

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
Data File : PD066235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2021 17:21
Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

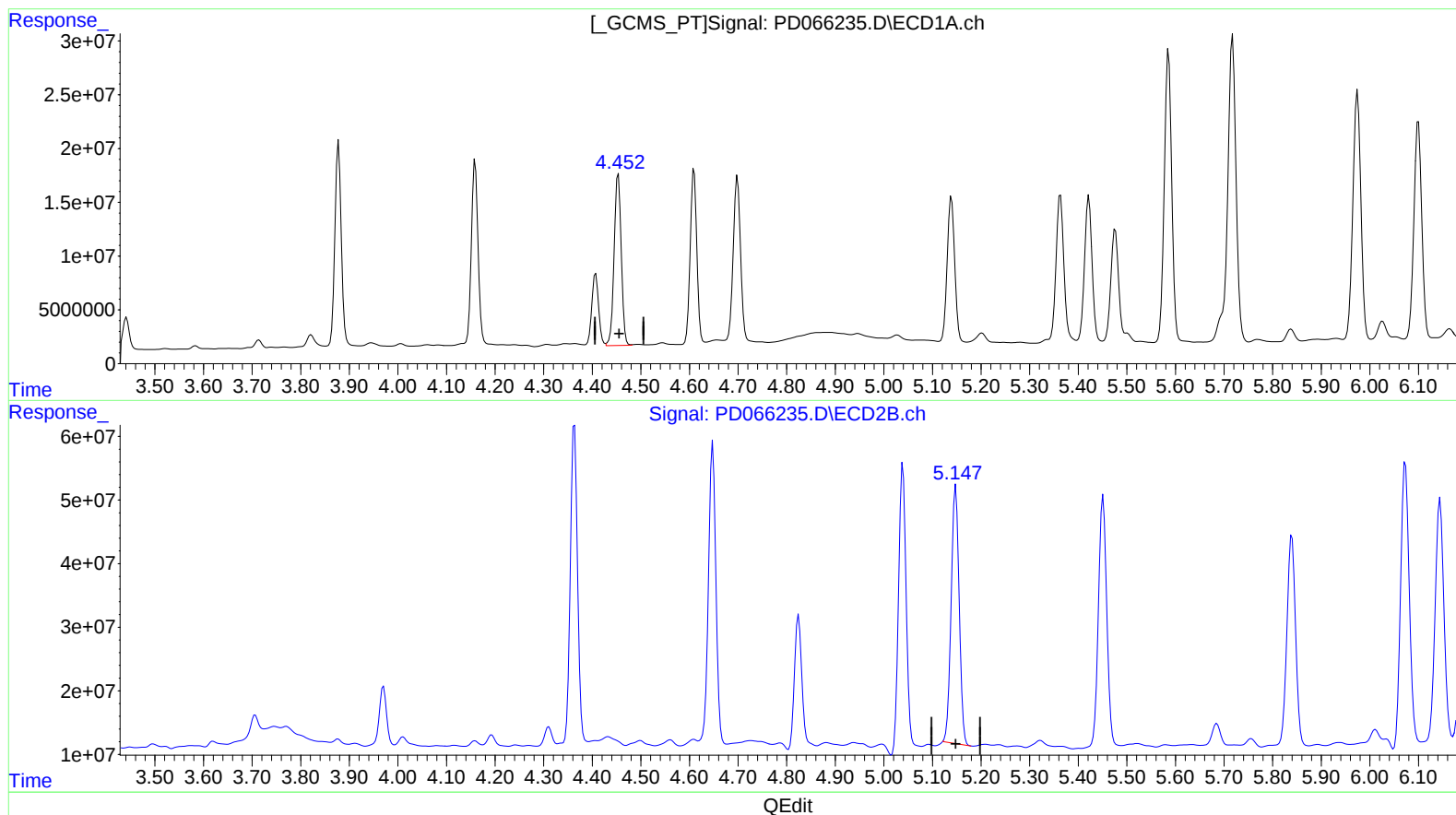
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
10/14/2021 2:16:24 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:29:29 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101321CLP.M
Quant Title : GC Extractables
QLast Update : Wed Oct 13 06:25:14 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(4) Heptachlor (MA)

4.454min 65.802 ng/ml

response 162931161

(4) Heptachlor #2 (MA)

5.148min 51.183 ng/ml

response 462364762

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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

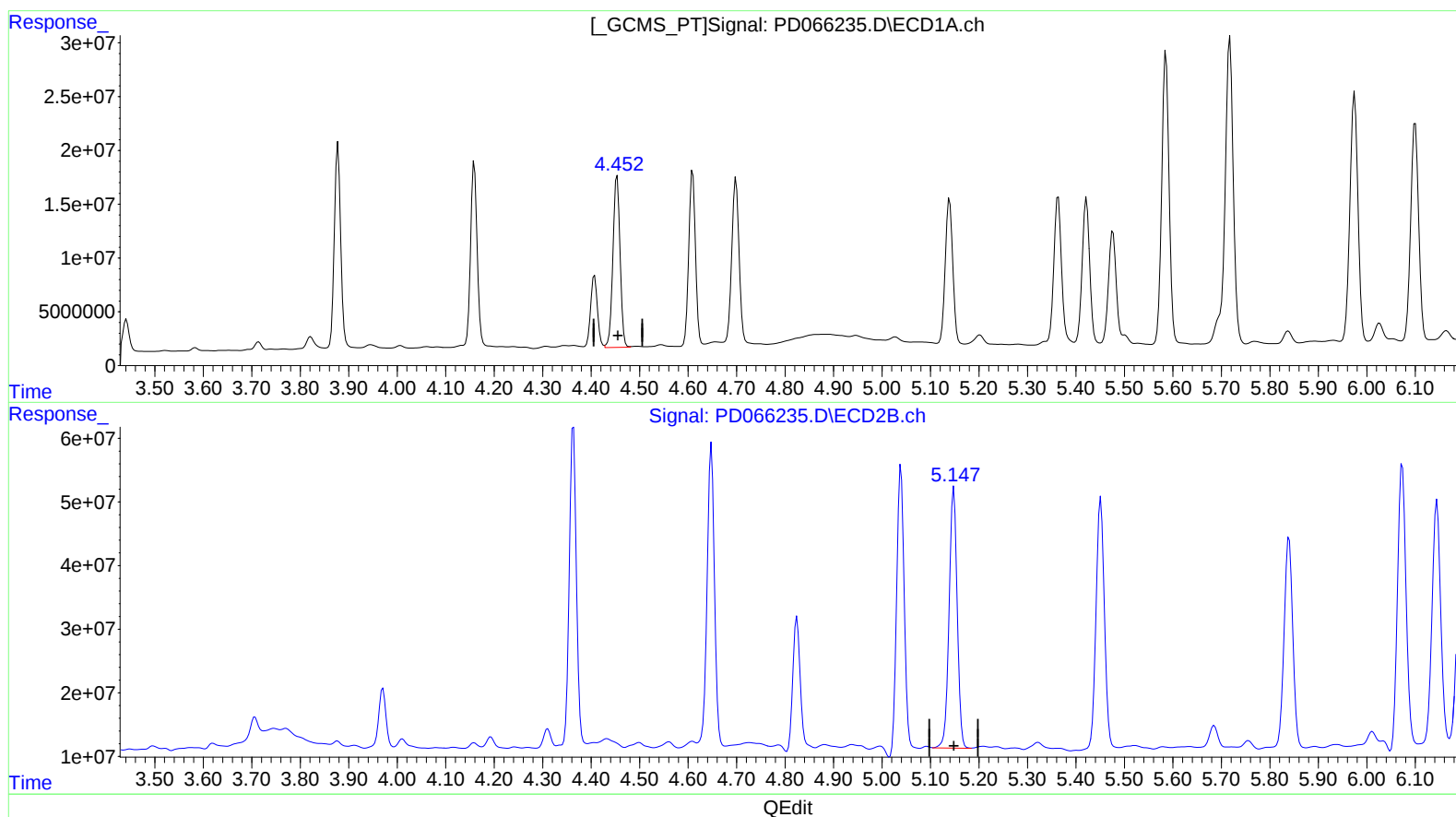
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
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mohammad
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(4) Heptachlor (MA)

4.454min 65.802 ng/ml

response 162931161

(4) Heptachlor #2 (MA)

5.147min 52.957 ng/ml m

response 478394242

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

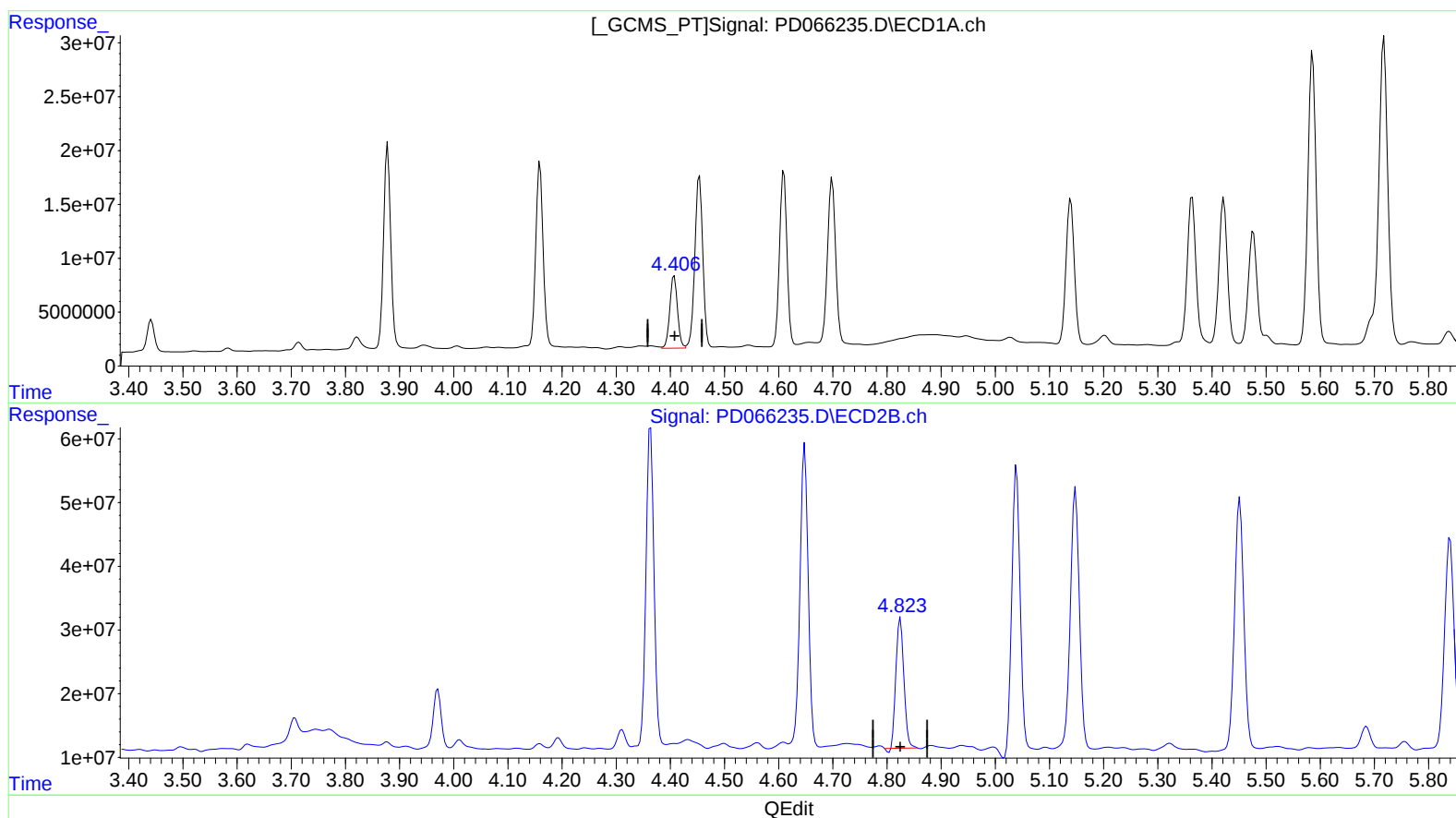
Instrument :
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ClientSampleId :
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(6) beta-BHC (B)

4.407min 42.247 ng/ml

response 66128554

(6) beta-BHC #2 (B)

4.825min 45.143 ng/ml

response 207553945

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Acq On : 13 Oct 2021 17:21
Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

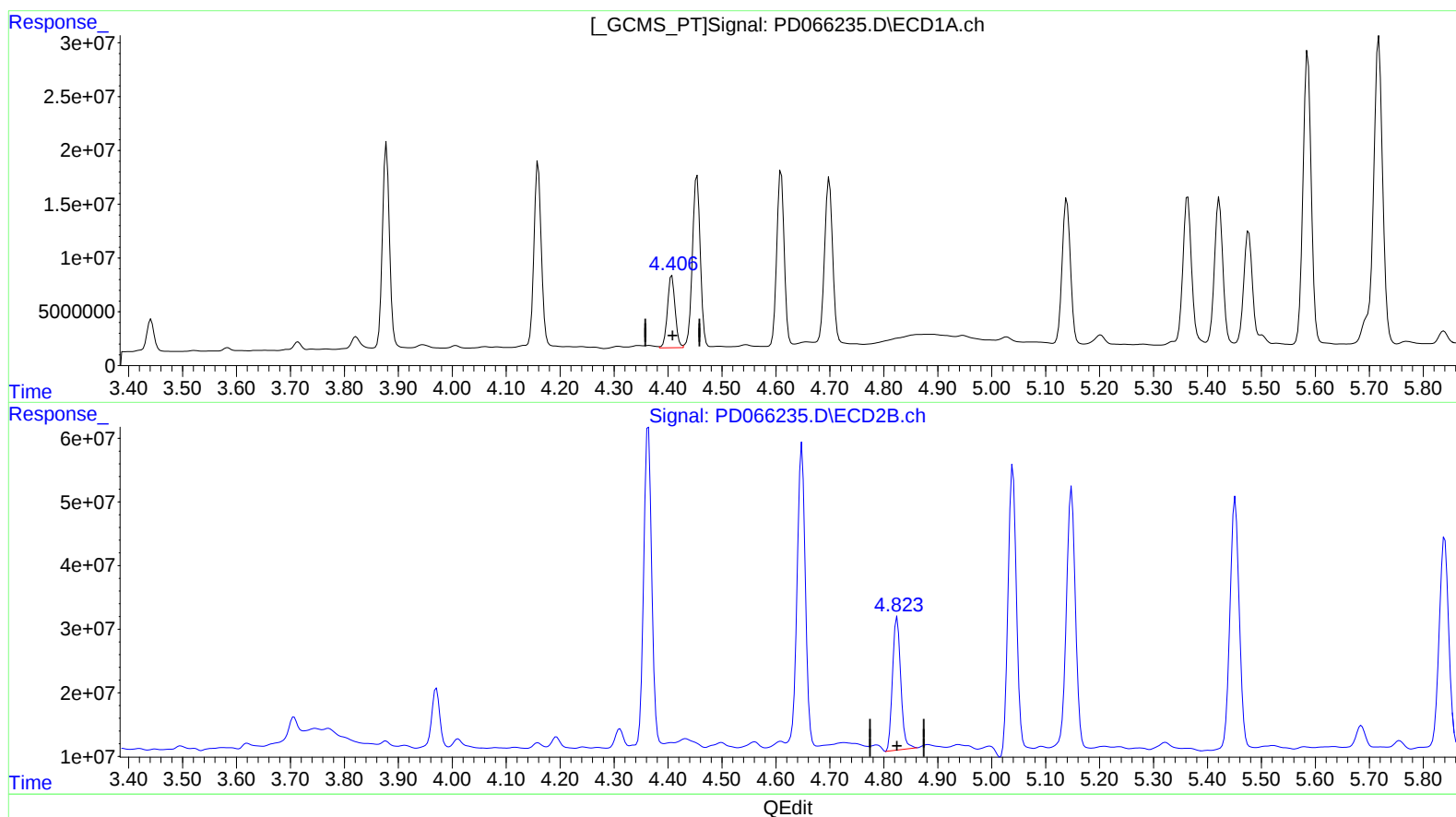
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(6) beta-BHC (B)

4.407min 42.247 ng/ml

response 66128554

(6) beta-BHC #2 (B)

4.823min 48.259 ng/ml m

response 221881220

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

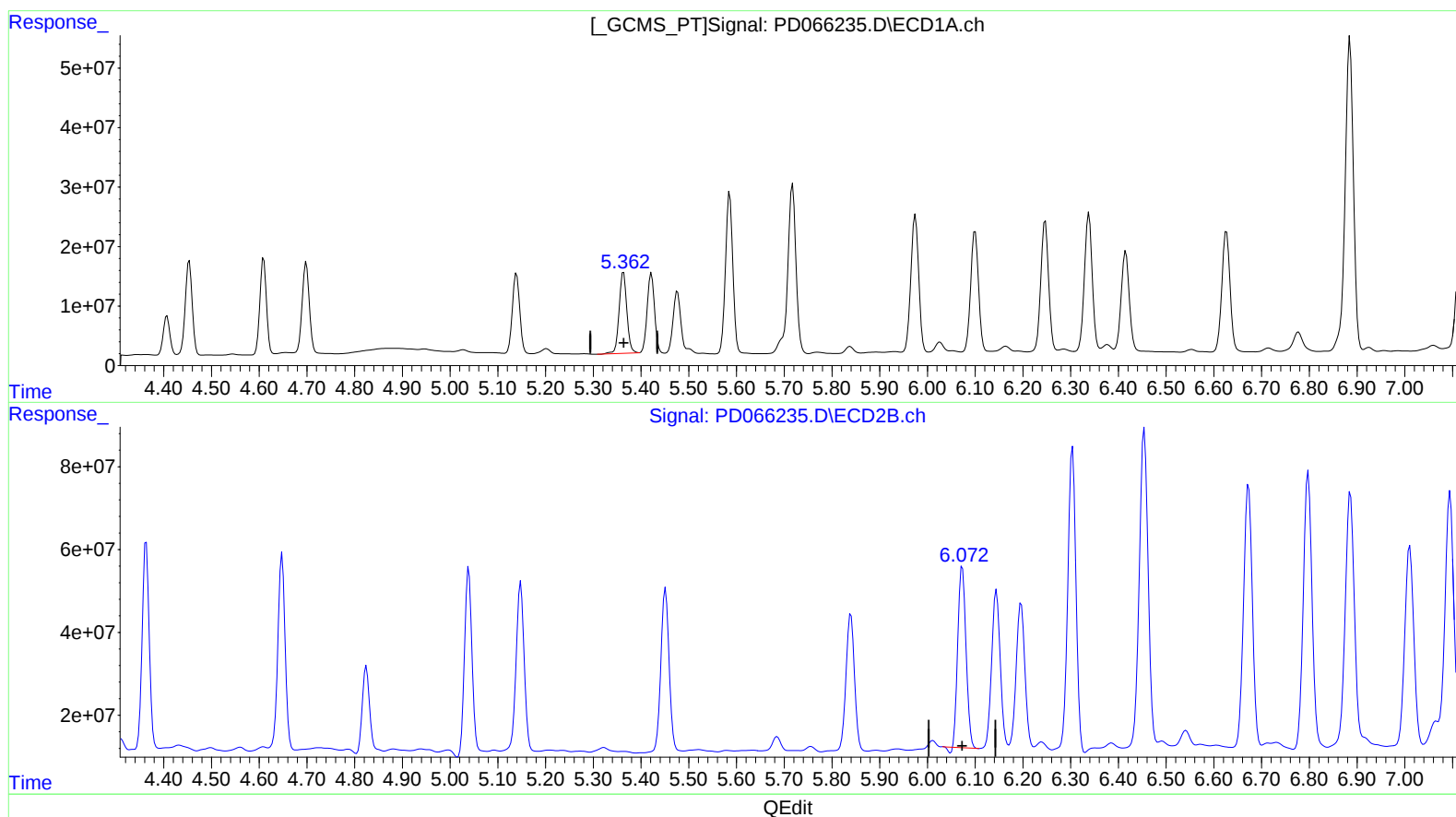
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ClientSampleId :
C00R0MSD

Manual Integrations
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(10) trans-Chlordane (B)

5.363min 58.691 ng/ml

response 153710574

(10) trans-Chlordane #2 (B)

6.073min 53.140 ng/ml

response 521021556

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Acq On : 13 Oct 2021 17:21
Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

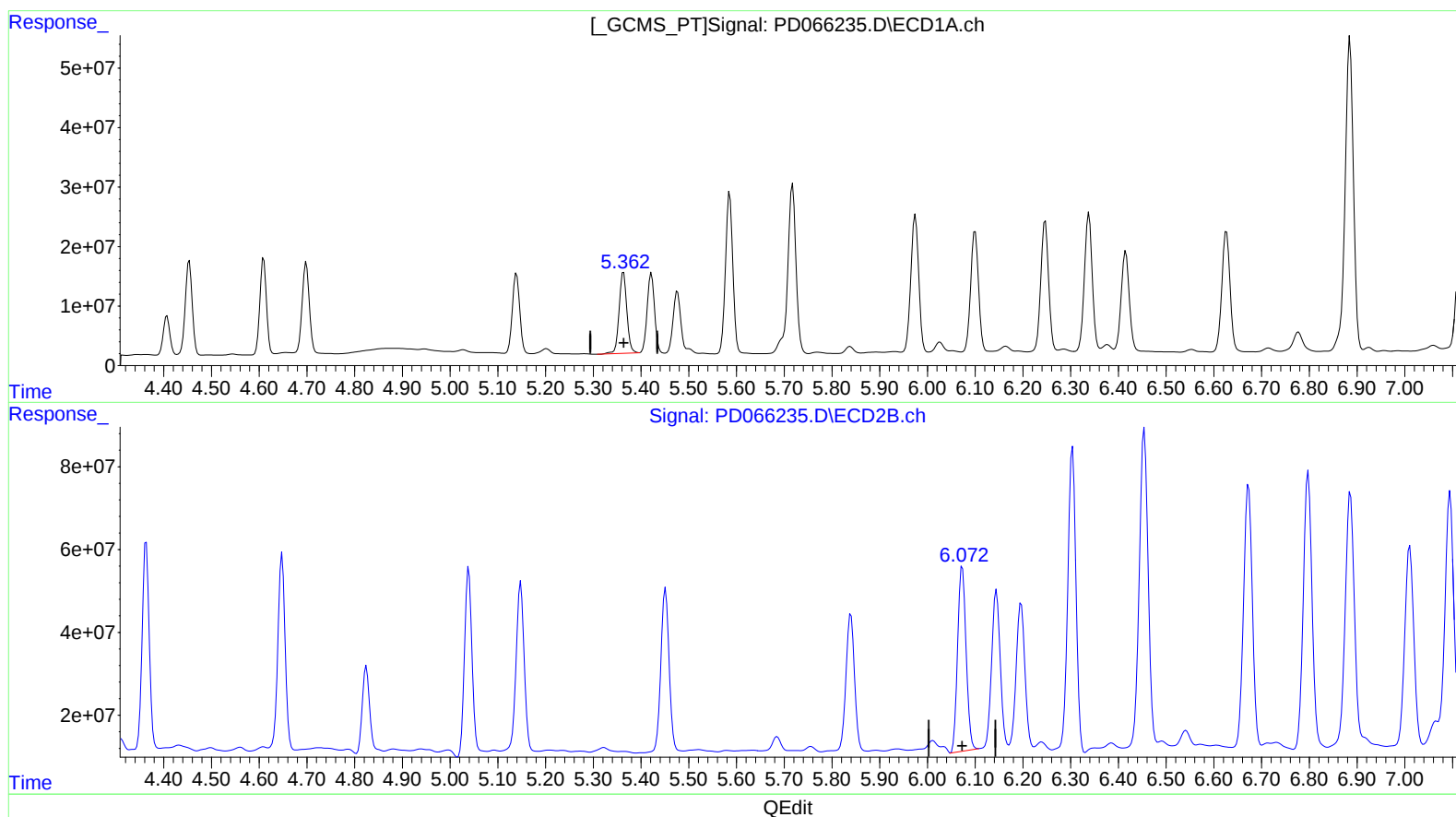
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(10) trans-Chlordane (B)

5.363min 58.691 ng/ml

response 153710574

(10) trans-Chlordane #2 (B)

6.072min 56.221 ng/ml m

response 551224914

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

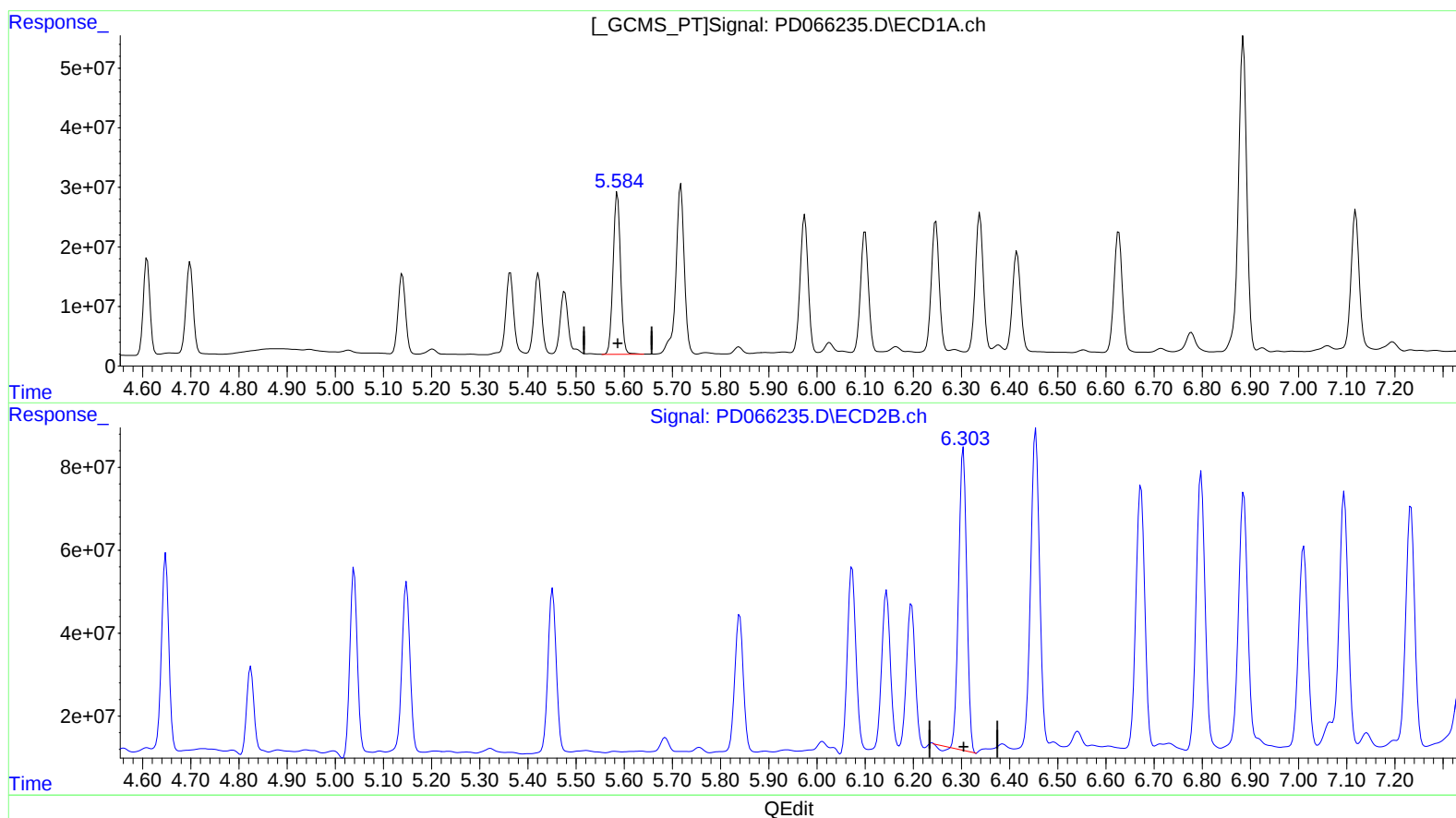
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
5.586min 122.436 ng/ml
response 291353926

(12) 4,4'-DDE #2 (B)
6.304min 90.278 ng/ml
response 849526681

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

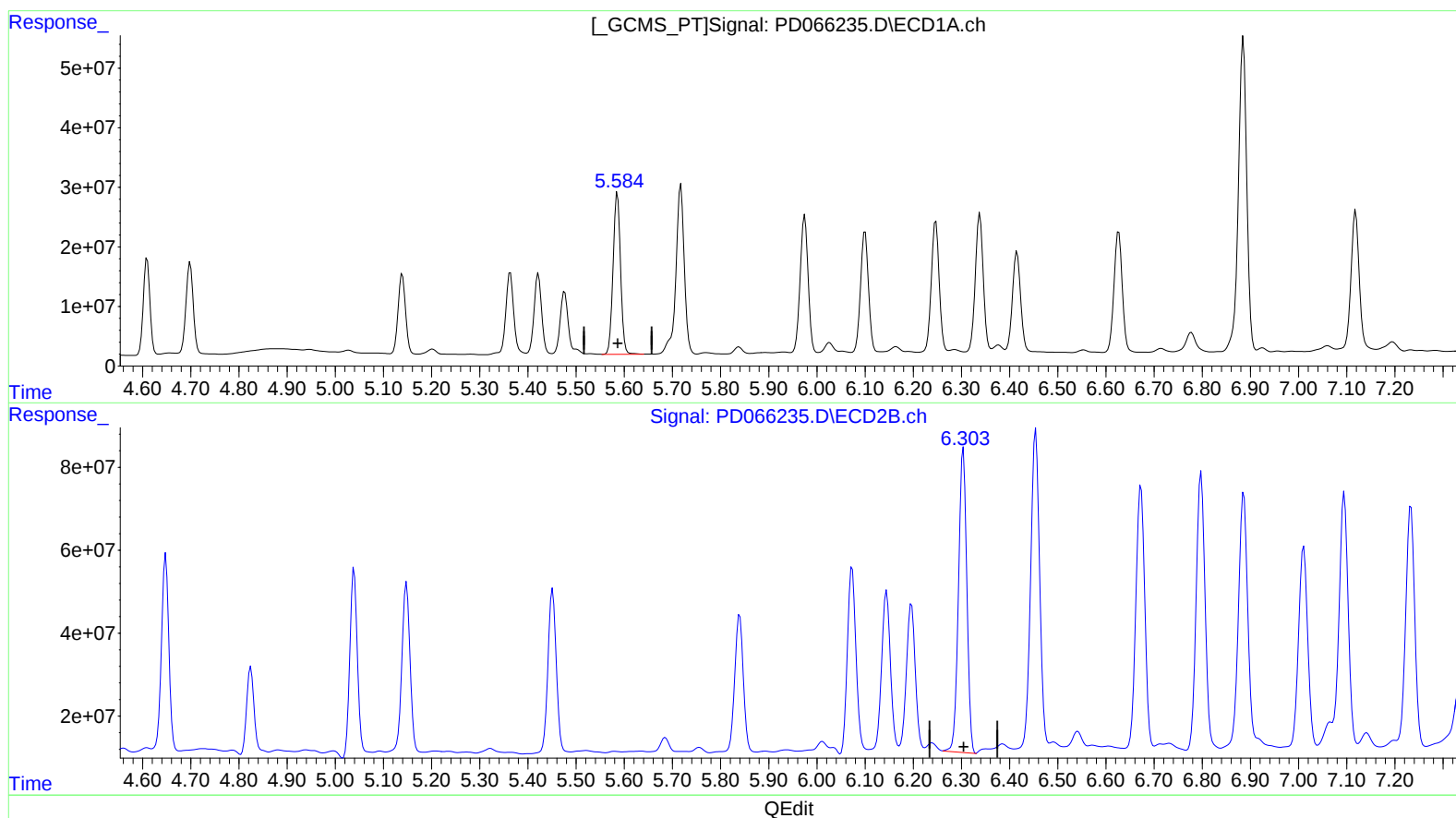
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
10/14/2021 2:16:24 PM

Integration File signal 1: autoint1.e
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Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
5.586min 122.436 ng/ml
response 291353926

(12) 4,4'-DDE #2 (B)
6.303min 93.697 ng/ml m
response 881700118

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

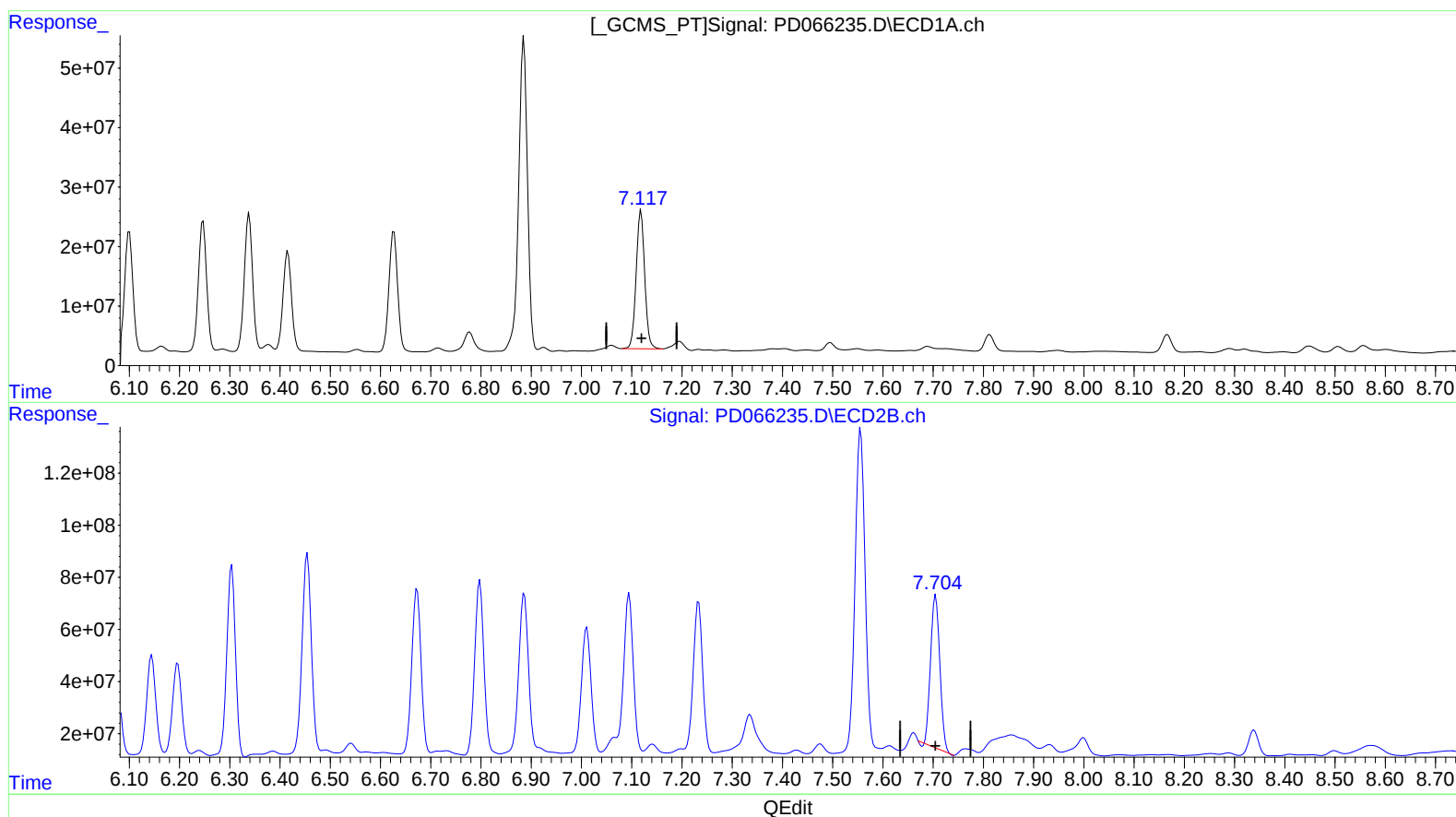
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
7.119min 107.737 ng/ml
response 274949366

(21) Endrin ketone #2 (B)
7.705min 93.627 ng/ml
response 746557646

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Operator : AR\AJ
Sample : M4029-05MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

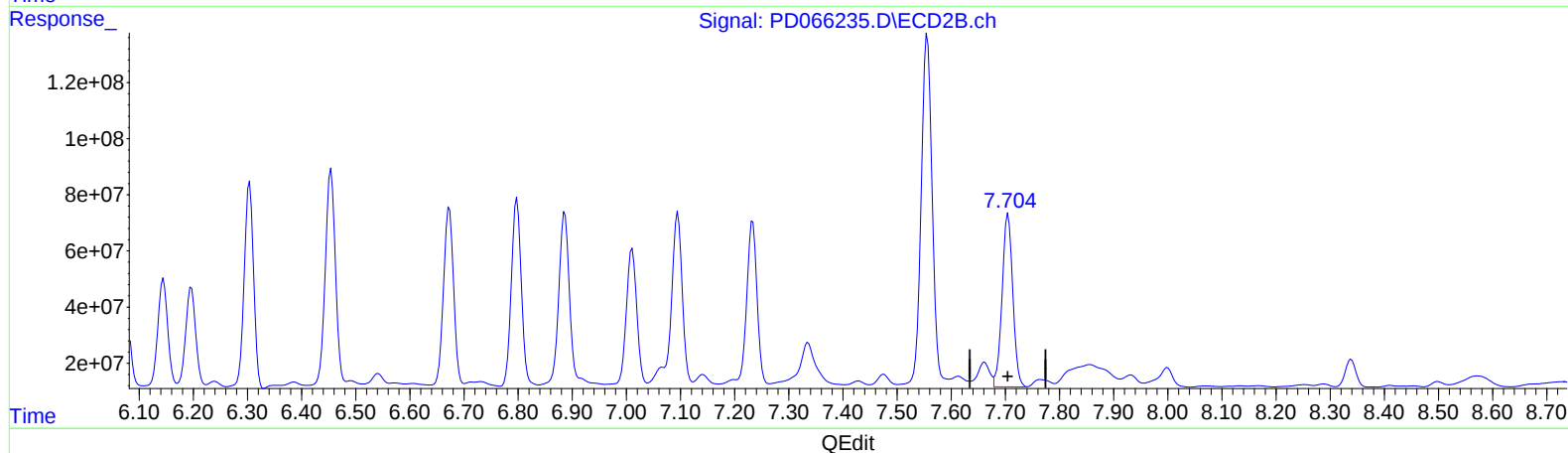
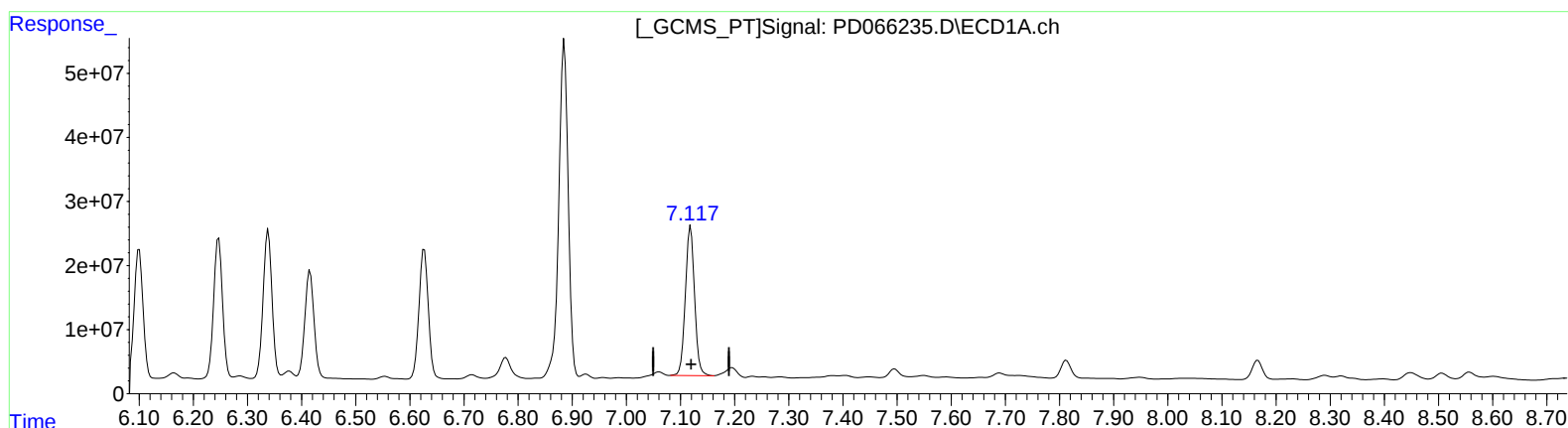
Instrument :
ECD_D
ClientSampleId :
C00R0MSD

Manual Integrations
APPROVED

mohammad
10/14/2021 2:16:24 PM

Integration File signal 1: autoint1.e
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
7.119min 107.737 ng/ml
response 274949366

(21) Endrin ketone #2 (B)
7.704min 105.701 ng/ml m
response 842830402

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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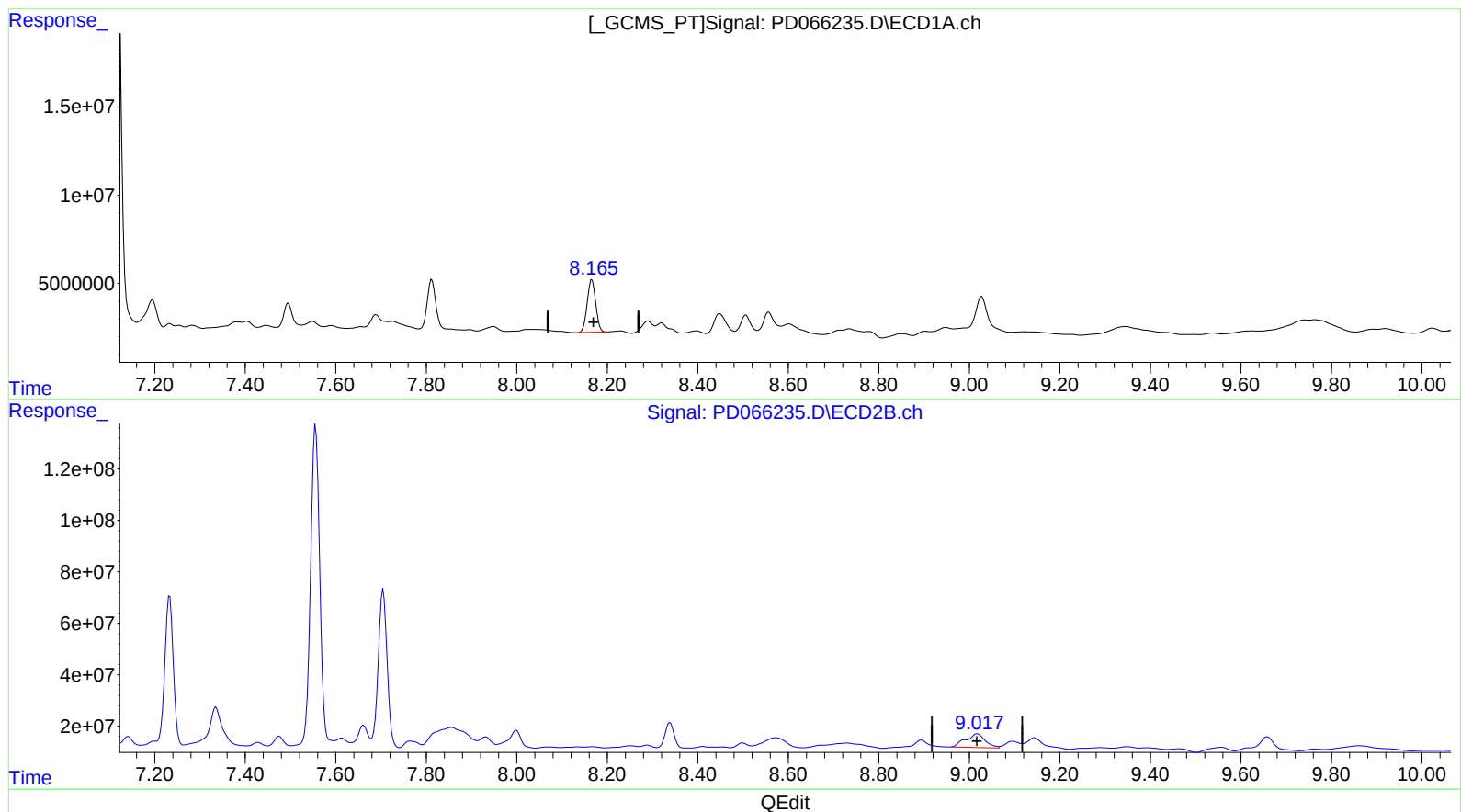
Instrument :
 ECD_D
 ClientSampleId :
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Manual Integrations
 APPROVED

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(27) Decachlorobiphenyl (SA)

8.166min 19.174 ng/ml

response 38785383

(27) Decachlorobiphenyl #2 (SA)

9.018min 32.934 ng/ml

response 159748646

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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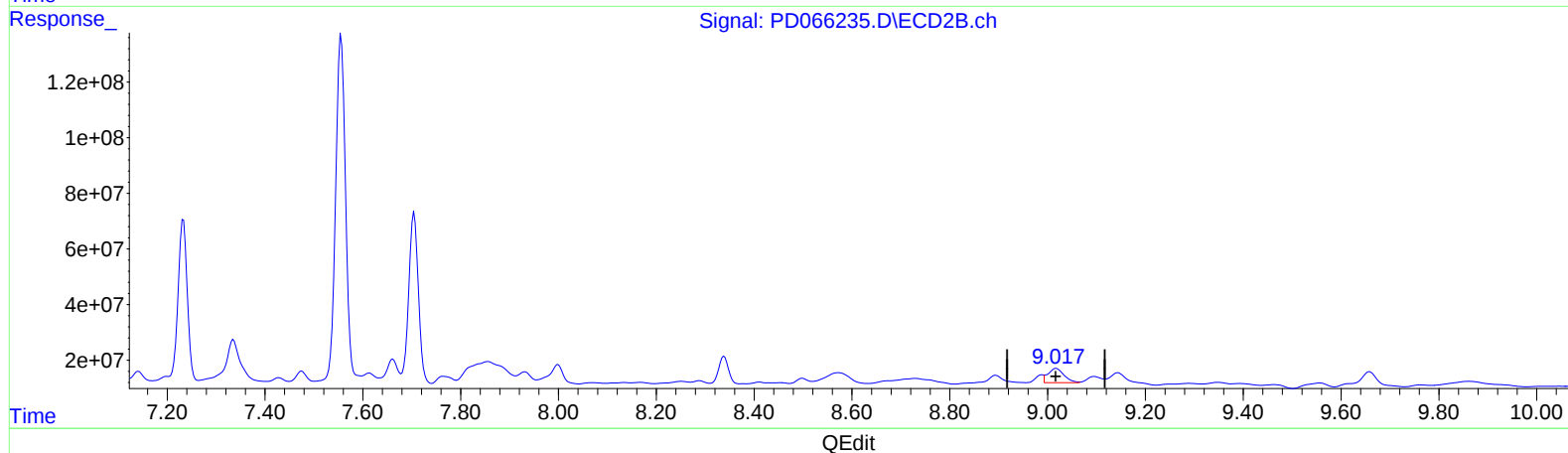
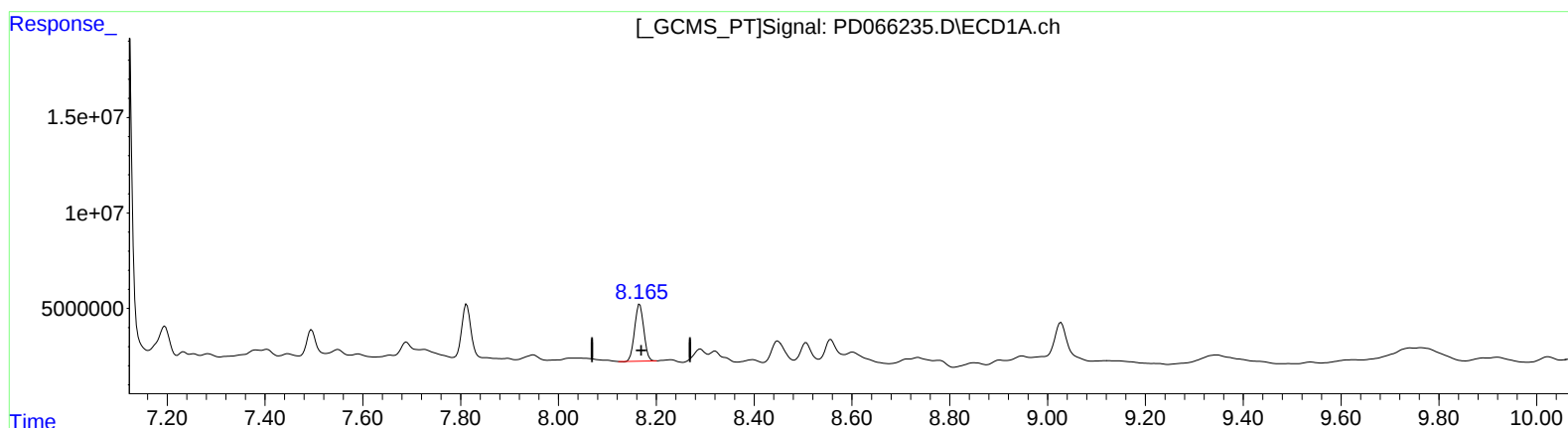
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Manual Integrations
 APPROVED

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(27) Decachlorobiphenyl (SA)

8.166min 19.174 ng/ml

response 38785383

(27) Decachlorobiphenyl #2 (SA)

9.017min 23.827 ng/ml m

response 115574968

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101421\
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Manual Integrations
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 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.441	3.971	28685482	94193075	15.065	13.947
27) SA Decachlor...	8.166	9.017	38785383	115.6E6	19.174	23.827m
Target Compounds						
2) A alpha-BHC	3.878	4.363	172.4E6	532.5E6	58.103	50.043
3) MA gamma-BHC...	4.159	4.648	170.3E6	513.5E6	56.072	52.836
4) MA Heptachlor	4.454	5.147	162.9E6	478.4E6	65.802	52.957m
5) MB Aldrin	4.699	5.451	166.9E6	473.7E6	58.114	49.625
6) B beta-BHC	4.407	4.823	66128554	221.9E6	42.247	48.259m
7) B delta-BHC	4.610	5.039	157.0E6	495.8E6	59.532	47.497
8) B Heptachlo...	5.139	5.840	143.1E6	408.5E6	56.052	57.076
9) A Endosulfan I	5.476	6.196	105.2E6	436.4E6	45.356	48.324
10) B trans-Chl...	5.363	6.072	153.7E6	551.2E6	58.691	56.221m
11) B cis-Chlor...	5.422	6.145	142.9E6	475.3E6	55.179	49.410
12) B 4,4'-DDE	5.586	6.303	291.4E6	881.7E6	122.436	93.697m
13) MA Dieldrin	5.718	6.454	346.5E6	985.5E6	134.843	103.753
14) MA Endrin	5.975	6.673	264.8E6	812.8E6	135.306	102.291
15) B Endosulfa...	6.247	6.886	244.3E6	825.4E6	108.979	99.982
16) A 4,4'-DDD	6.100	6.798	228.5E6	846.0E6	114.395	112.268
17) MA 4,4'-DDT	6.338	7.095	257.4E6	813.8E6	144.845	107.202 #
18) B Endrin al...	6.416	7.011	189.4E6	639.0E6	119.098	109.622
19) B Endosulfa...	6.627	7.233	241.3E6	755.2E6	118.975	99.470
20) A Methoxychlor	6.885	7.556	634.6E6	1732.9E6	614.526	511.524
21) B Endrin ke...	7.119	7.704	274.9E6	842.8E6	107.737	105.701m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

10/14/21