

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO112219\  
 Data File : PO064008.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 22 Nov 2019 12:50  
 Operator : SM/AJ  
 Sample : K5684-15DL 4X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 5CDL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 22 13:12:26 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO111419.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Nov 15 01:29:03 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml     |
|-----------------------------|-----------------|-------|-------|---------|---------|---------|-----------|
| -----                       |                 |       |       |         |         |         |           |
| System Monitoring Compounds |                 |       |       |         |         |         |           |
| 1)                          | SA Tetrachlo... | 4.315 | 3.566 | 163873  | 118808  | 5.360   | 5.349     |
| 2)                          | SA Decachlor... | 9.942 | 8.535 | 122855  | 97549   | 3.023   | 3.335     |
| Target Compounds            |                 |       |       |         |         |         |           |
| 3)                          | L1 AR-1016-1    | 5.408 | 0.000 | 17351   | 0       | 12.493  | N.D. #    |
| 5)                          | L1 AR-1016-3    | 0.000 | 4.878 | 0       | 21076   | N.D.    | 28.305 #  |
| 6)                          | L1 AR-1016-4    | 5.635 | 4.878 | 8735    | 21076   | 8.493   | 33.830 #  |
| 7)                          | L1 AR-1016-5    | 5.951 | 0.000 | 15168   | 0       | 14.254  | N.D. #    |
| 13)                         | L3 AR-1232-3    | 0.000 | 4.878 | 0       | 21076   | N.D.    | 39.820 #  |
| 14)                         | L3 AR-1232-4    | 5.635 | 4.878 | 8735    | 21076   | 11.767  | 44.891 #  |
| 15)                         | L3 AR-1232-5    | 5.748 | 0.000 | 29416   | 0       | 50.182  | N.D. #    |
| 16)                         | L4 AR-1242-1    | 5.408 | 0.000 | 17351   | 0       | 16.399  | N.D. #    |
| 18)                         | L4 AR-1242-3    | 0.000 | 4.878 | 0       | 21076   | N.D.    | 36.787 #  |
| 19)                         | L4 AR-1242-4    | 5.635 | 4.878 | 8735    | 21076   | 11.122  | 36.914 #  |
| 20)                         | L4 AR-1242-5    | 6.394 | 5.440 | 47570   | 165022  | 45.778  | 212.016 # |
| 21)                         | L5 AR-1248-1    | 5.408 | 0.000 | 17351   | 0       | 19.867  | N.D. #    |
| 22)                         | L5 AR-1248-2    | 5.748 | 4.878 | 29416   | 21076   | 23.216  | 24.454    |
| 23)                         | L5 AR-1248-3    | 5.951 | 4.878 | 15168   | 21076   | 10.633  | 23.822 #  |
| 24)                         | L5 AR-1248-4    | 6.356 | 0.000 | 68778   | 0       | 39.736  | N.D. #    |
| 25)                         | L5 AR-1248-5    | 6.394 | 5.440 | 47570   | 165022  | 28.204  | 147.955 # |
| 26)                         | L6 AR-1254-1    | 6.325 | 5.440 | 224700  | 165022  | 128.618 | 93.139 #  |
| 27)                         | L6 AR-1254-2    | 6.543 | 5.586 | 514562  | 356010  | 184.582 | 225.786   |
| 28)                         | L6 AR-1254-3    | 6.908 | 5.989 | 771846  | 990368  | 245.856 | 369.349 # |
| 29)                         | L6 AR-1254-4    | 7.193 | 6.216 | 666505  | 483064  | 269.554 | 272.405   |
| 30)                         | L6 AR-1254-5    | 7.610 | 6.633 | 2386635 | 1833598 | 880.484 | 733.813   |
| 31)                         | L7 AR-1260-1    | 7.071 | 6.118 | 1083693 | 899717  | 536.985 | 572.919   |
| 32)                         | L7 AR-1260-2    | 7.327 | 6.305 | 1820327 | 1469270 | 722.528 | 746.913   |
| 33)                         | L7 AR-1260-3    | 7.685 | 6.459 | 1775874 | 1063084 | 876.472 | 596.070 # |
| 34)                         | L7 AR-1260-4    | 7.909 | 6.928 | 2038850 | 1320135 | 856.129 | 838.468   |
| 35)                         | L7 AR-1260-5    | 8.219 | 7.169 | 3358990 | 3314853 | 715.548 | 855.017   |
| 36)                         | L8 AR-1262-1    | 7.685 | 6.723 | 1775874 | 656550  | 551.599 | 627.962   |
| 37)                         | L8 AR-1262-2    | 8.219 | 7.169 | 3358990 | 3314853 | 570.156 | 698.866   |
| 38)                         | L8 AR-1262-3    | 8.519 | 7.452 | 2391127 | 1216864 | 583.551 | 649.257   |
| 39)                         | L8 AR-1262-4    | 8.605 | 7.516 | 1644442 | 2357151 | 525.826 | 667.666 # |
| 40)                         | L8 AR-1262-5    | 9.232 | 8.008 | 1216113 | 1013075 | 558.268 | 663.510   |
| 41)                         | L9 AR-1268-1    | 8.519 | 7.452 | 2391127 | 1216864 | 353.725 | 227.943 # |
| 42)                         | L9 AR-1268-2    | 8.605 | 7.516 | 1644442 | 2357151 | 262.061 | 472.998 # |
| 43)                         | L9 AR-1268-3    | 8.824 | 7.723 | 86083   | 63472   | 16.582  | 15.990    |
| 44)                         | L9 AR-1268-4    | 9.232 | 8.008 | 1216113 | 1013075 | 500.294 | 598.050   |
| 45)                         | L9 AR-1268-5    | 9.625 | 8.289 | 393405  | 329570  | 25.582  | 27.864    |
| -----                       |                 |       |       |         |         |         |           |

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

Instrument :

ECD\_O

ClientSampleId :

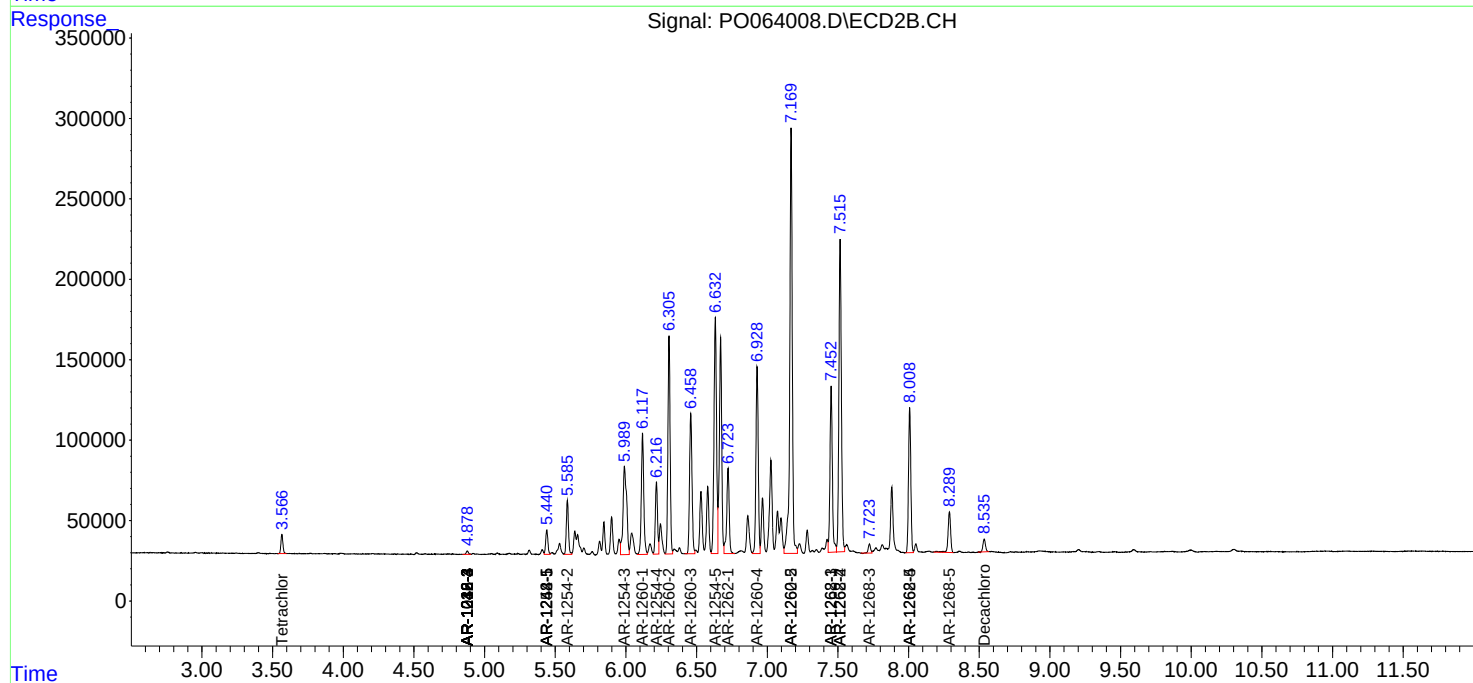
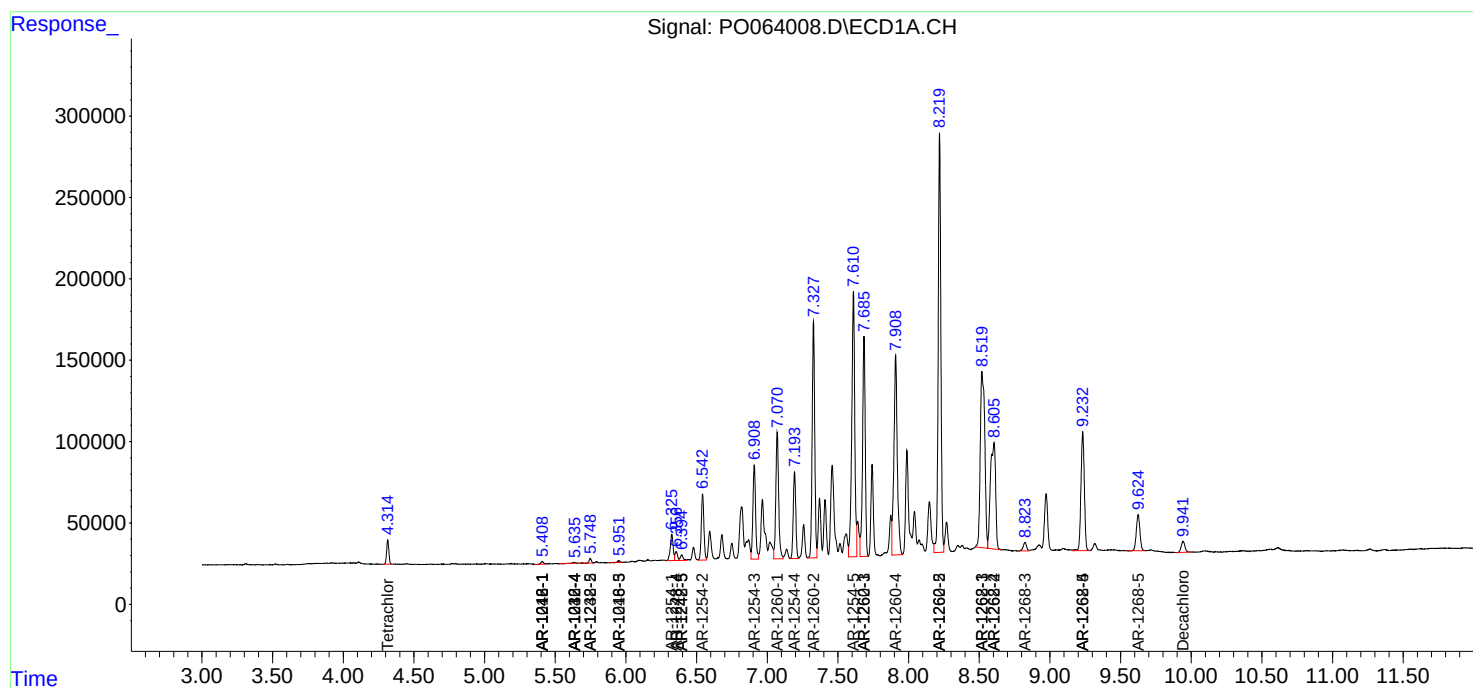
5CDL

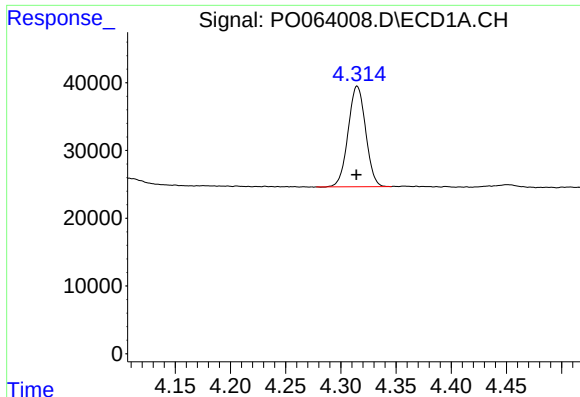
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO112219\  
Data File : P0064008.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 22 Nov 2019 12:50  
Operator : SM/AJ  
Sample : K5684-15DL 4X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampled :  
5CDL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 22 13:12:26 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO111419.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Nov 15 01:29:03 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

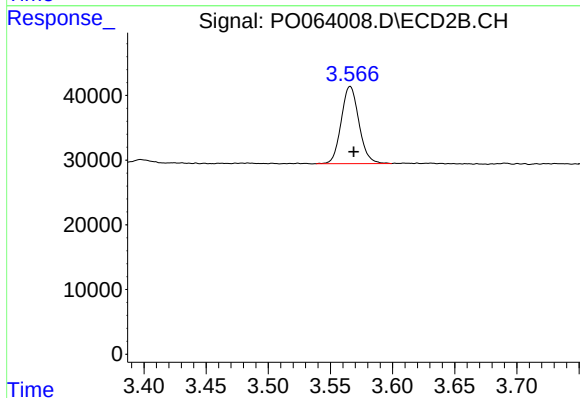




#1 Tetrachloro-m-xylene

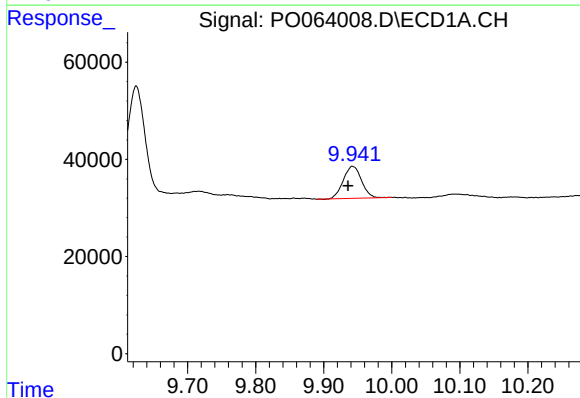
R.T.: 4.315 min  
Delta R.T.: 0.000 min  
Response: 163873  
Conc: 5.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



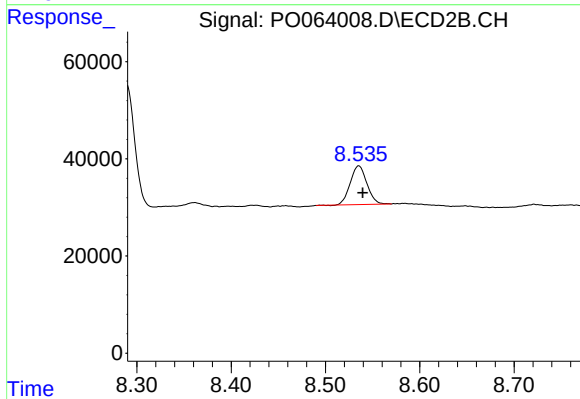
#1 Tetrachloro-m-xylene

R.T.: 3.566 min  
Delta R.T.: -0.003 min  
Response: 118808  
Conc: 5.35 ng/ml



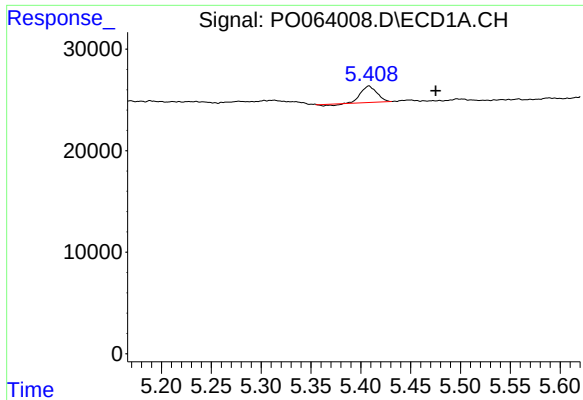
#2 Decachlorobiphenyl

R.T.: 9.942 min  
Delta R.T.: 0.006 min  
Response: 122855  
Conc: 3.02 ng/ml



#2 Decachlorobiphenyl

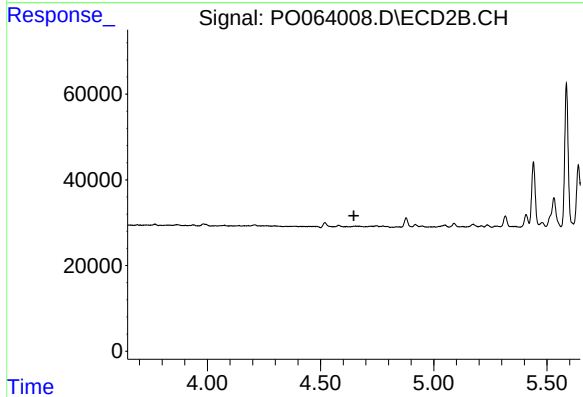
R.T.: 8.535 min  
Delta R.T.: -0.004 min  
Response: 97549  
Conc: 3.34 ng/ml



#3 AR-1016-1

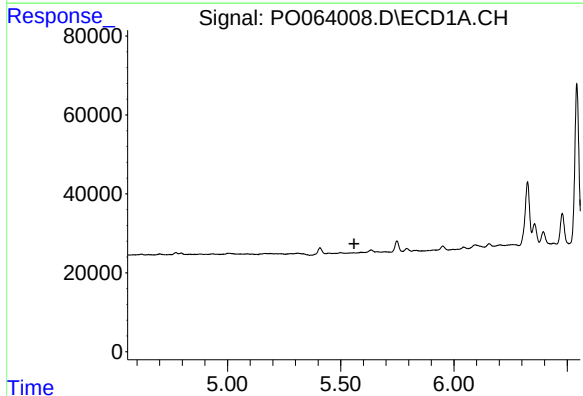
R.T.: 5.408 min  
Delta R.T.: -0.067 min  
Response: 17351  
Conc: 12.49 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



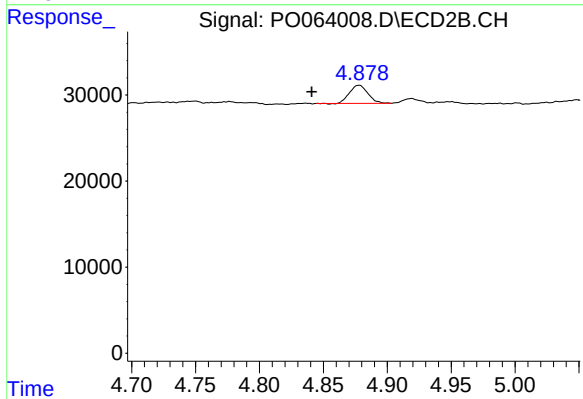
#3 AR-1016-1

R.T.: 0.000 min  
Exp R.T. : 4.647 min  
Response: 0  
Conc: N.D.



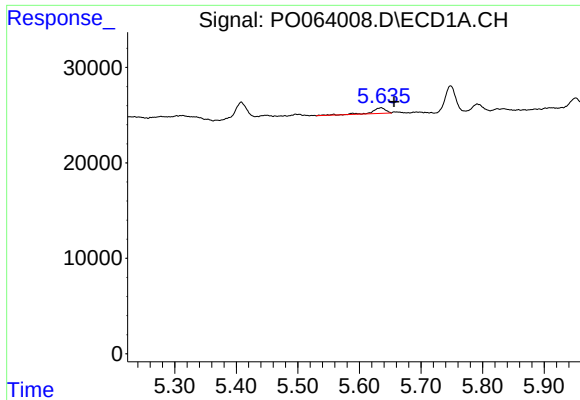
#5 AR-1016-3

R.T.: 0.000 min  
Exp R.T. : 5.558 min  
Response: 0  
Conc: N.D.



#5 AR-1016-3

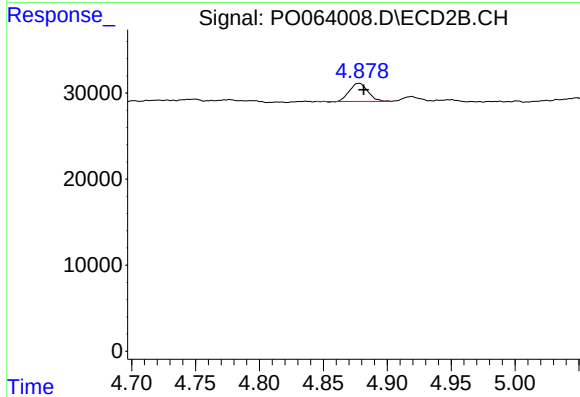
R.T.: 4.878 min  
Delta R.T.: 0.037 min  
Response: 21076  
Conc: 28.30 ng/ml



#6 AR-1016-4

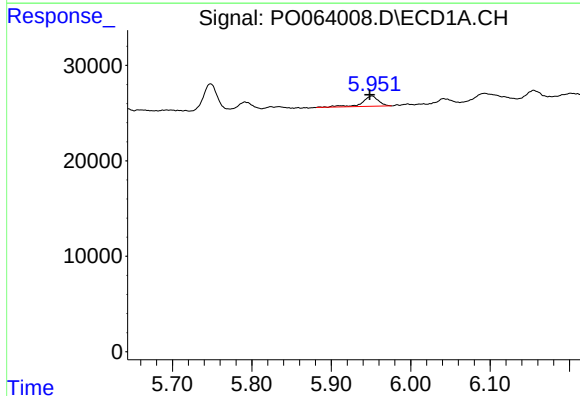
R.T.: 5.635 min  
Delta R.T.: -0.021 min  
Response: 8735  
Conc: 8.49 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



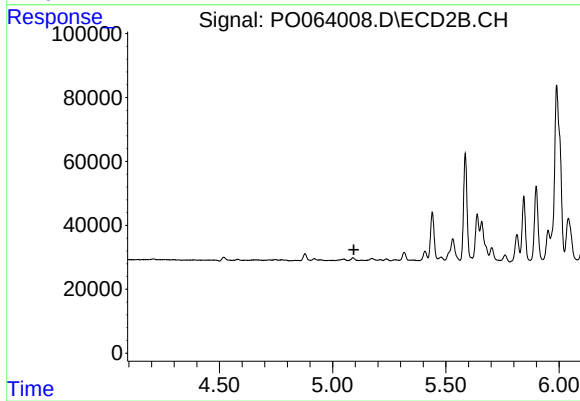
#6 AR-1016-4

R.T.: 4.878 min  
Delta R.T.: -0.004 min  
Response: 21076  
Conc: 33.83 ng/ml



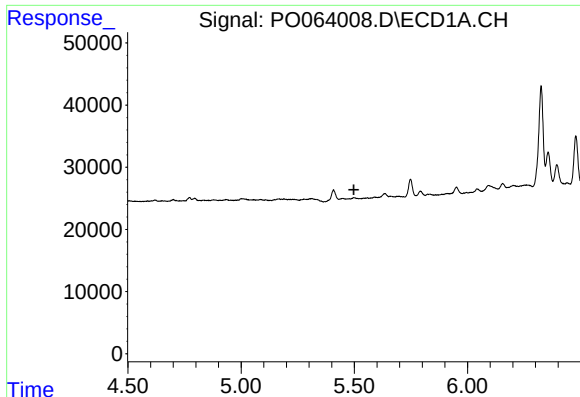
#7 AR-1016-5

R.T.: 5.951 min  
Delta R.T.: 0.002 min  
Response: 15168  
Conc: 14.25 ng/ml



#7 AR-1016-5

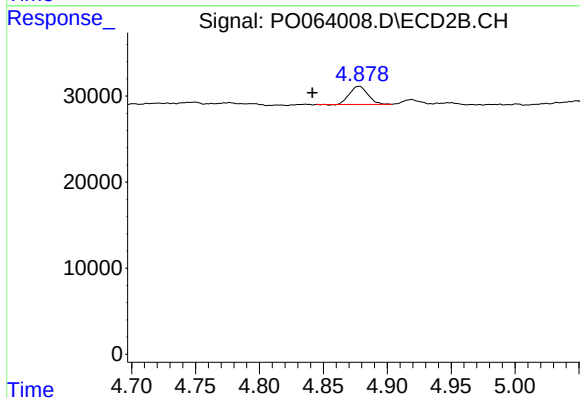
R.T.: 0.000 min  
Exp R.T.: 5.094 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

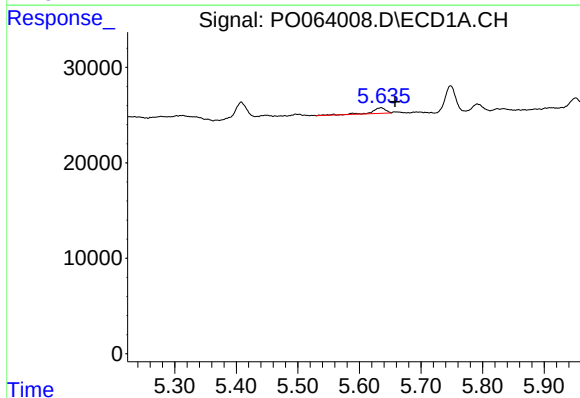
R.T.: 0.000 min  
Exp R.T.: 5.498 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



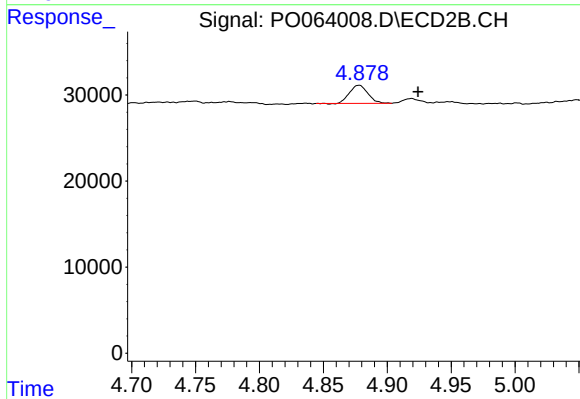
#13 AR-1232-3

R.T.: 4.878 min  
Delta R.T.: 0.036 min  
Response: 21076  
Conc: 39.82 ng/ml



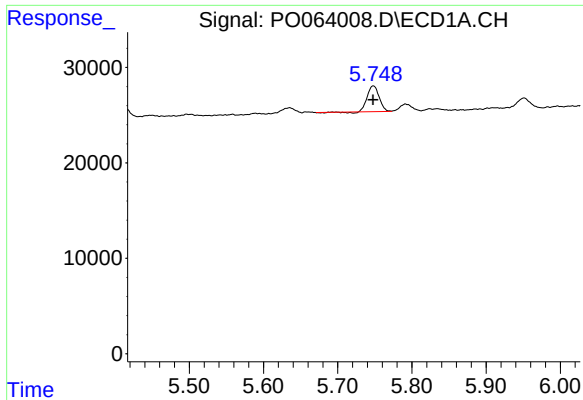
#14 AR-1232-4

R.T.: 5.635 min  
Delta R.T.: -0.022 min  
Response: 8735  
Conc: 11.77 ng/ml



#14 AR-1232-4

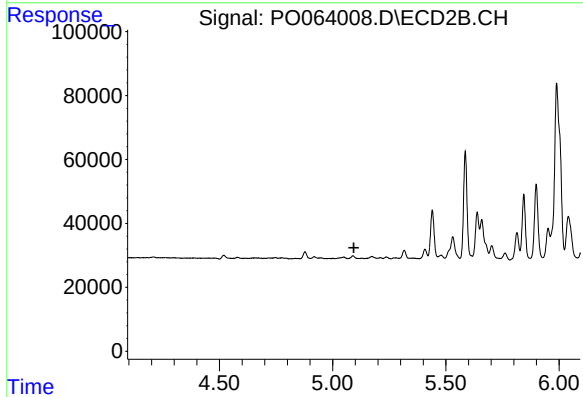
R.T.: 4.878 min  
Delta R.T.: -0.046 min  
Response: 21076  
Conc: 44.89 ng/ml



#15 AR-1232-5

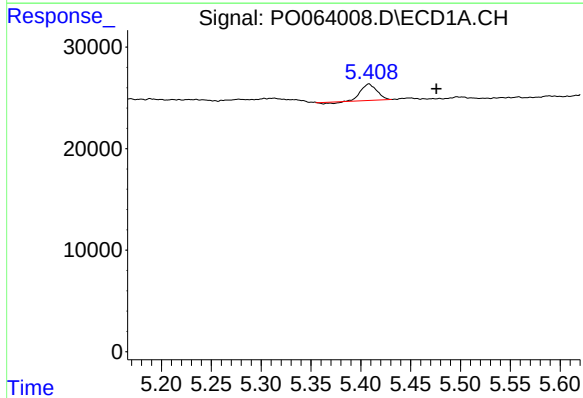
R.T.: 5.748 min  
Delta R.T.: 0.000 min  
Response: 29416  
Conc: 50.18 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



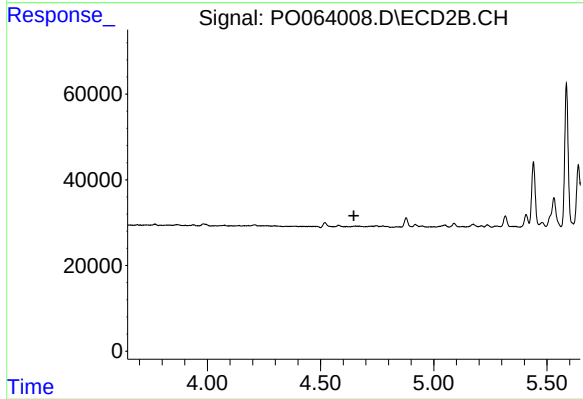
#15 AR-1232-5

R.T.: 0.000 min  
Exp R.T. : 5.094 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

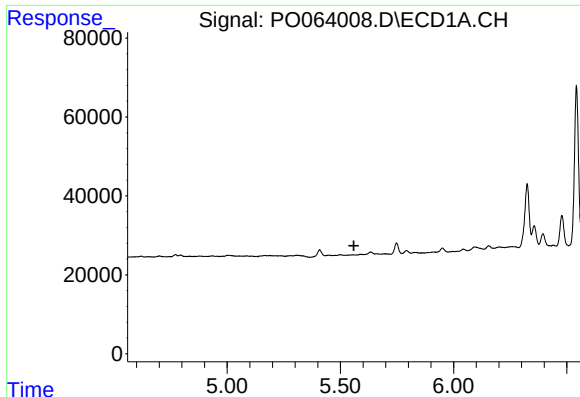
R.T.: 5.408 min  
Delta R.T.: -0.068 min  
Response: 17351  
Conc: 16.40 ng/ml



#16 AR-1242-1

R.T.: 0.000 min  
Exp R.T. : 4.647 min  
Response: 0  
Conc: N.D.

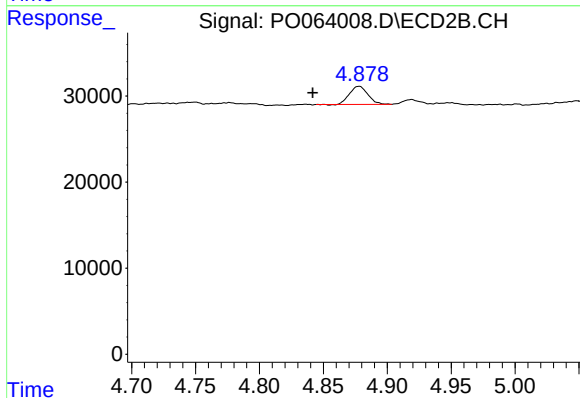




#18 AR-1242-3

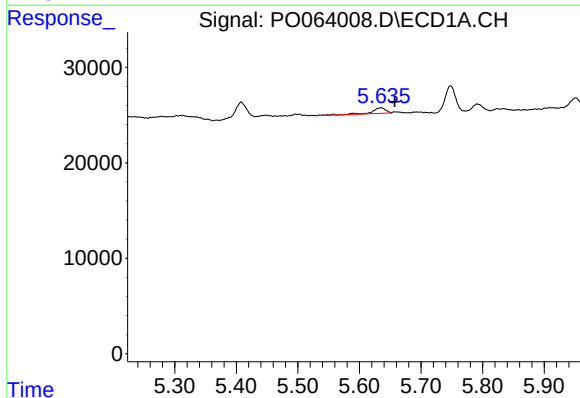
R.T.: 0.000 min  
Exp R.T.: 5.560 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



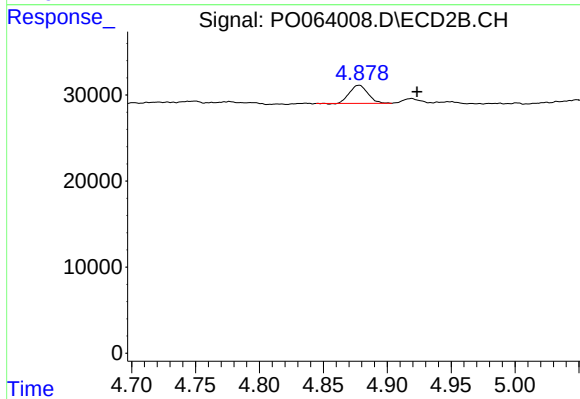
#18 AR-1242-3

R.T.: 4.878 min  
Delta R.T.: 0.036 min  
Response: 21076  
Conc: 36.79 ng/ml



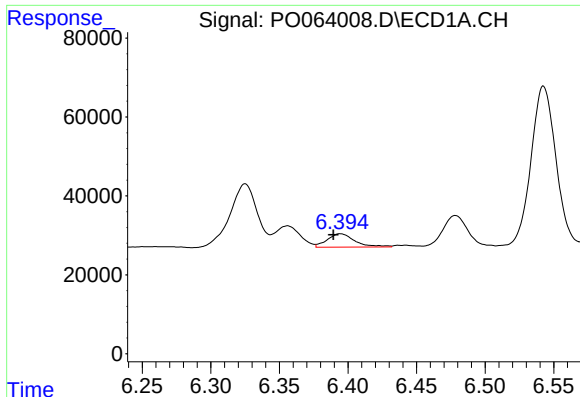
#19 AR-1242-4

R.T.: 5.635 min  
Delta R.T.: -0.022 min  
Response: 8735  
Conc: 11.12 ng/ml



#19 AR-1242-4

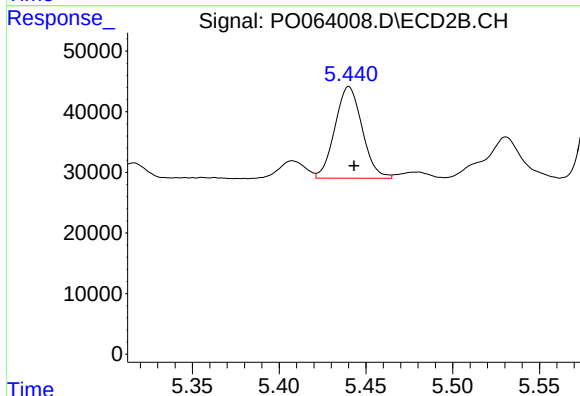
R.T.: 4.878 min  
Delta R.T.: -0.045 min  
Response: 21076  
Conc: 36.91 ng/ml



#20 AR-1242-5

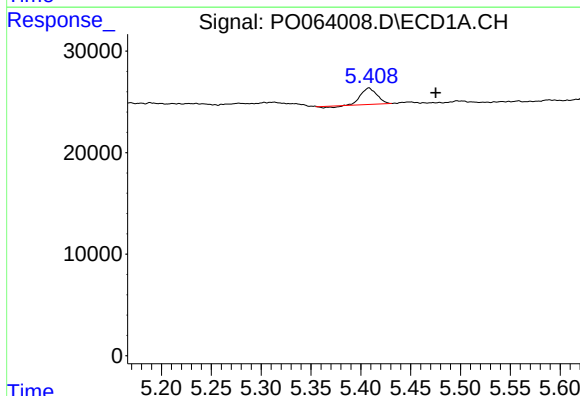
R.T.: 6.394 min  
Delta R.T.: 0.005 min  
Response: 47570  
Conc: 45.78 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



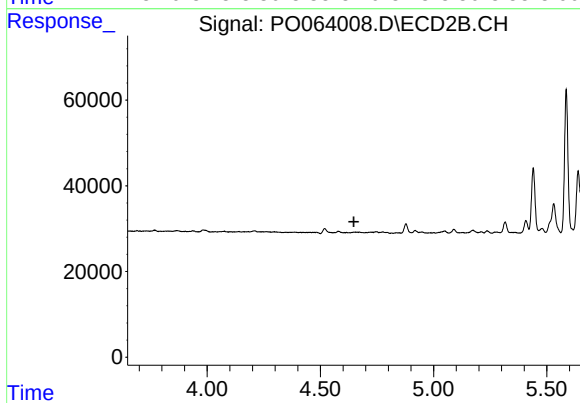
#20 AR-1242-5

R.T.: 5.440 min  
Delta R.T.: -0.003 min  
Response: 165022  
Conc: 212.02 ng/ml



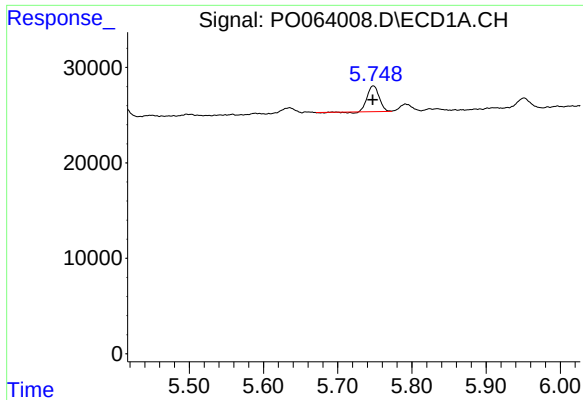
#21 AR-1248-1

R.T.: 5.408 min  
Delta R.T.: -0.067 min  
Response: 17351  
Conc: 19.87 ng/ml



#21 AR-1248-1

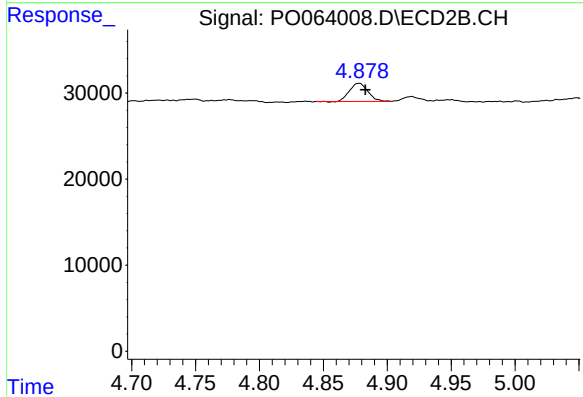
R.T.: 0.000 min  
Exp R.T.: 4.648 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

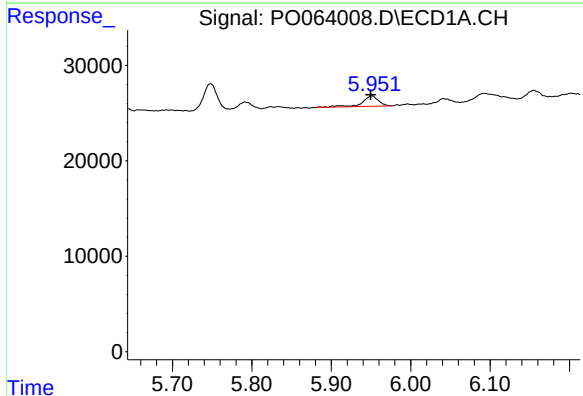
R.T.: 5.748 min  
Delta R.T.: 0.000 min  
Response: 29416  
Conc: 23.22 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



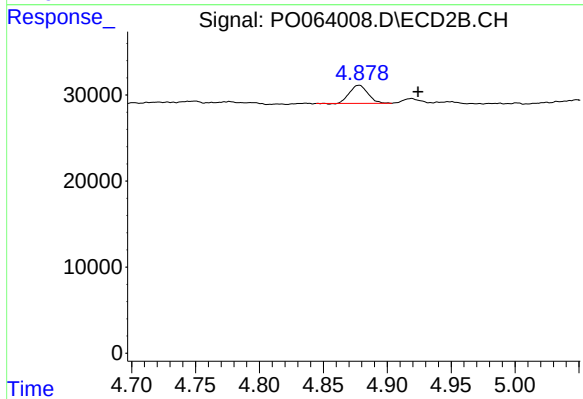
#22 AR-1248-2

R.T.: 4.878 min  
Delta R.T.: -0.005 min  
Response: 21076  
Conc: 24.45 ng/ml



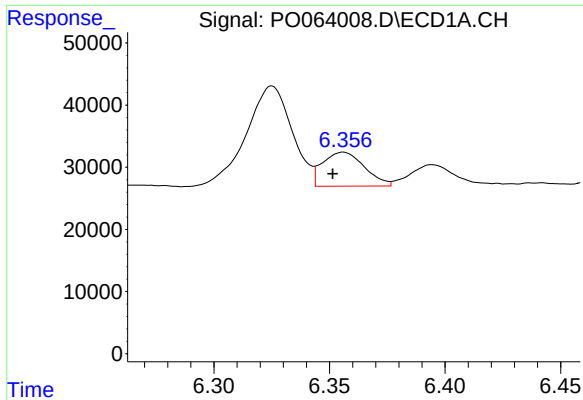
#23 AR-1248-3

R.T.: 5.951 min  
Delta R.T.: 0.002 min  
Response: 15168  
Conc: 10.63 ng/ml



#23 AR-1248-3

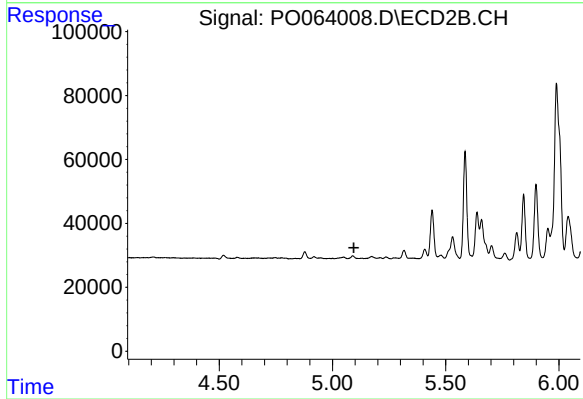
R.T.: 4.878 min  
Delta R.T.: -0.046 min  
Response: 21076  
Conc: 23.82 ng/ml



#24 AR-1248-4

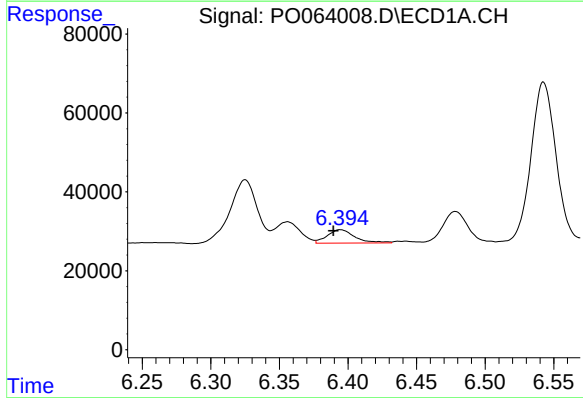
R.T.: 6.356 min  
Delta R.T.: 0.005 min  
Response: 68778  
Conc: 39.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



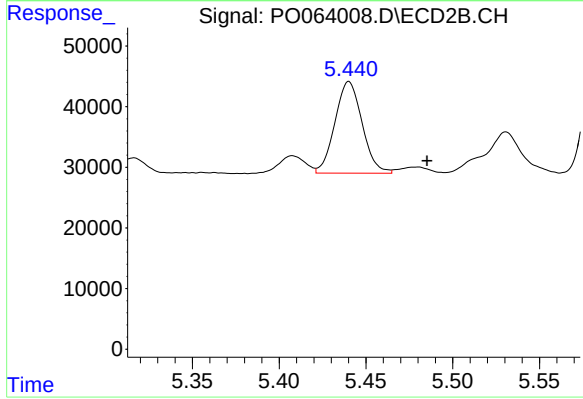
#24 AR-1248-4

R.T.: 0.000 min  
Exp R.T. : 5.095 min  
Response: 0  
Conc: N.D.



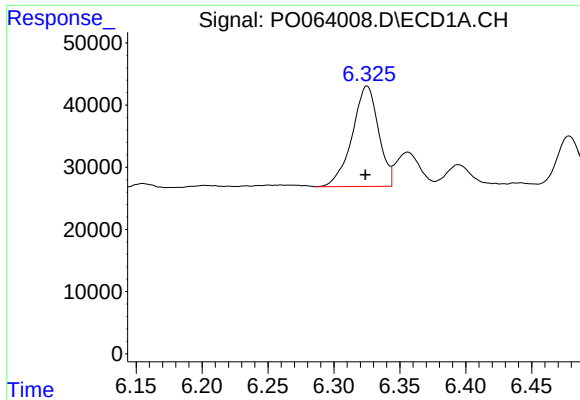
#25 AR-1248-5

R.T.: 6.394 min  
Delta R.T.: 0.005 min  
Response: 47570  
Conc: 28.20 ng/ml



#25 AR-1248-5

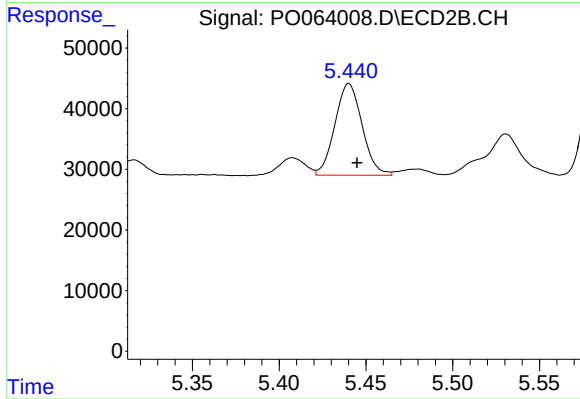
R.T.: 5.440 min  
Delta R.T.: -0.045 min  
Response: 165022  
Conc: 147.96 ng/ml



#26 AR-1254-1

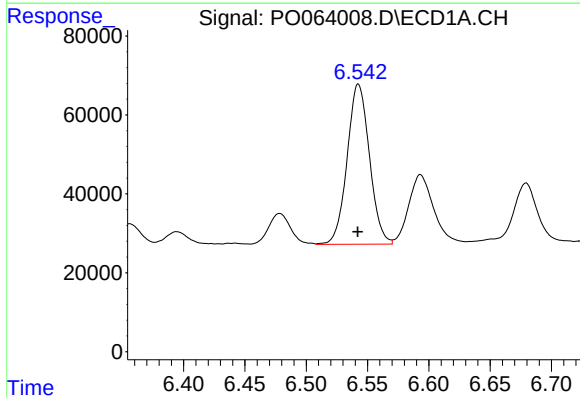
R.T.: 6.325 min  
Delta R.T.: 0.001 min  
Response: 224700  
Conc: 128.62 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



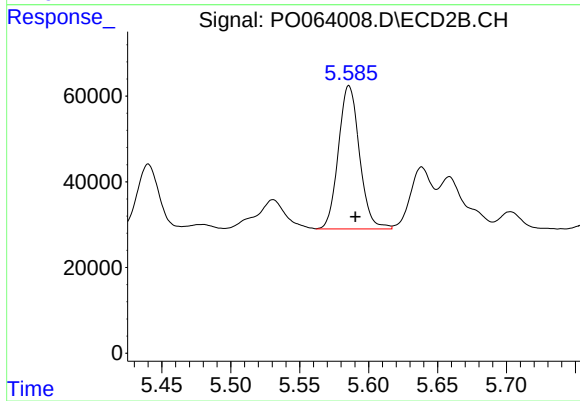
#26 AR-1254-1

R.T.: 5.440 min  
Delta R.T.: -0.005 min  
Response: 165022  
Conc: 93.14 ng/ml



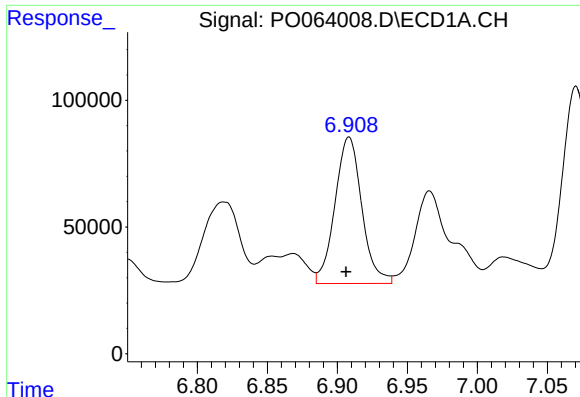
#27 AR-1254-2

R.T.: 6.543 min  
Delta R.T.: 0.000 min  
Response: 514562  
Conc: 184.58 ng/ml



#27 AR-1254-2

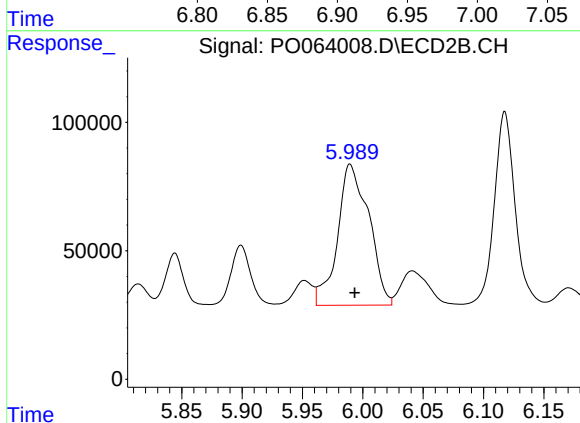
R.T.: 5.586 min  
Delta R.T.: -0.005 min  
Response: 356010  
Conc: 225.79 ng/ml



#28 AR-1254-3

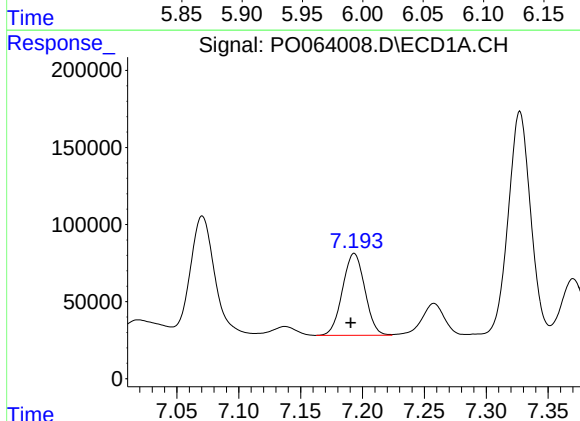
R.T.: 6.908 min  
Delta R.T.: 0.002 min  
Response: 771846  
Conc: 245.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



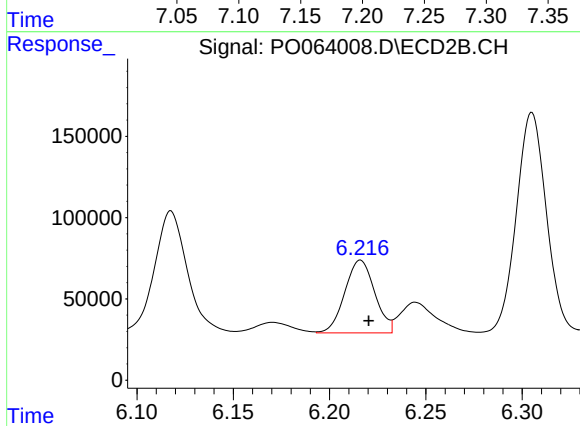
#28 AR-1254-3

R.T.: 5.989 min  
Delta R.T.: -0.004 min  
Response: 990368  
Conc: 369.35 ng/ml



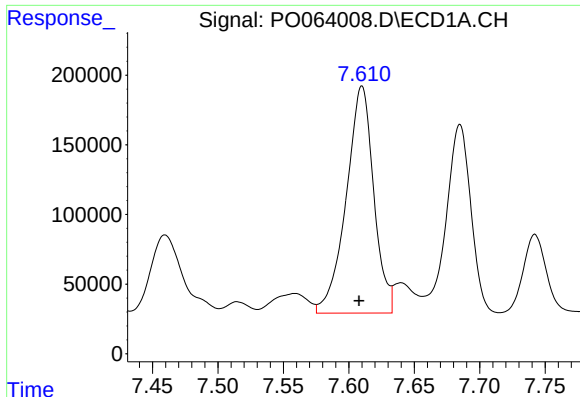
#29 AR-1254-4

R.T.: 7.193 min  
Delta R.T.: 0.003 min  
Response: 666505  
Conc: 269.55 ng/ml



#29 AR-1254-4

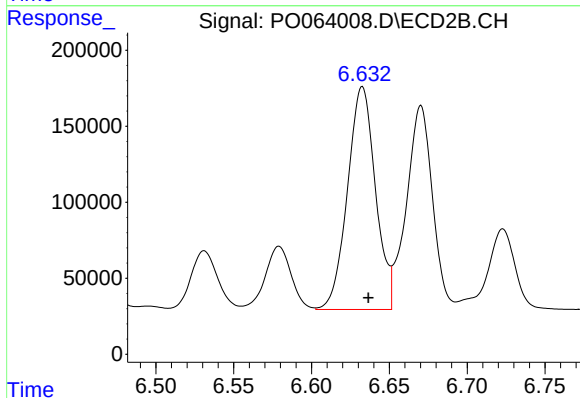
R.T.: 6.216 min  
Delta R.T.: -0.004 min  
Response: 483064  
Conc: 272.40 ng/ml



#30 AR-1254-5

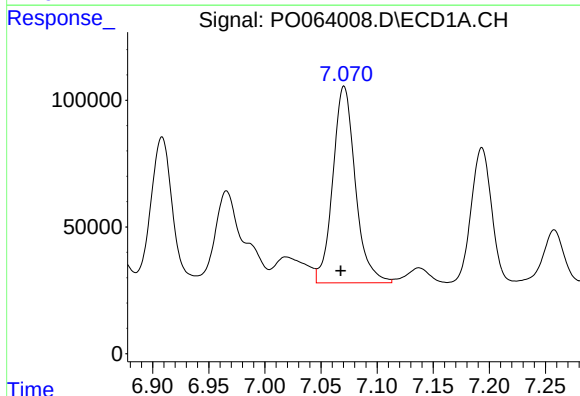
R.T.: 7.610 min  
Delta R.T.: 0.002 min  
Response: 2386635  
Conc: 880.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



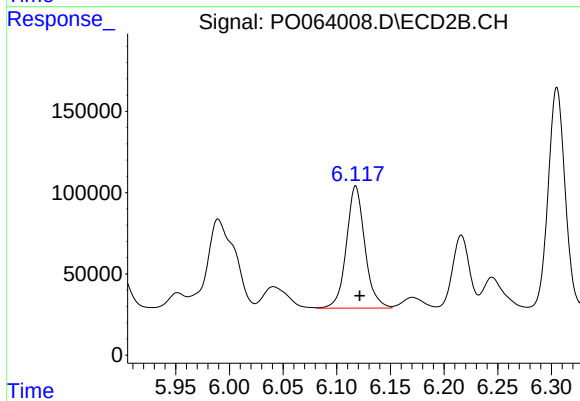
#30 AR-1254-5

R.T.: 6.633 min  
Delta R.T.: -0.004 min  
Response: 1833598  
Conc: 733.81 ng/ml



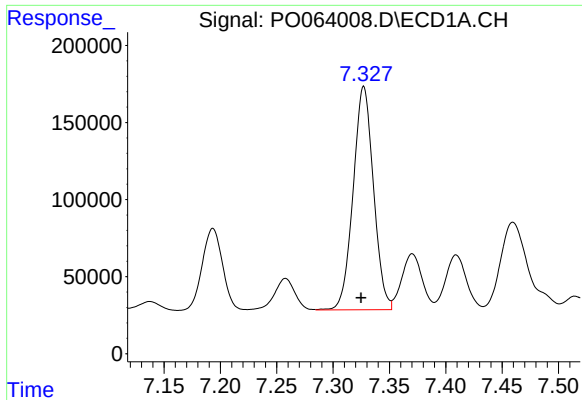
#31 AR-1260-1

R.T.: 7.071 min  
Delta R.T.: 0.003 min  
Response: 1083693  
Conc: 536.99 ng/ml



#31 AR-1260-1

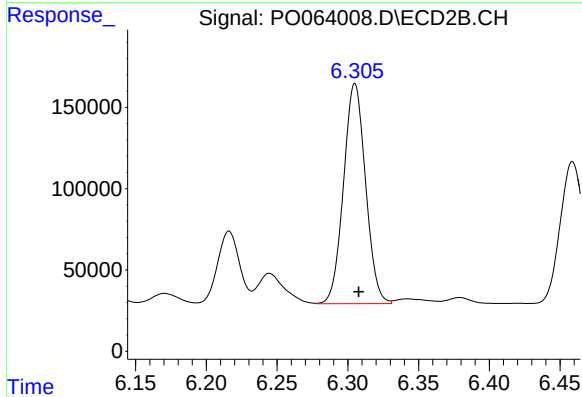
R.T.: 6.118 min  
Delta R.T.: -0.004 min  
Response: 899717  
Conc: 572.92 ng/ml



#32 AR-1260-2

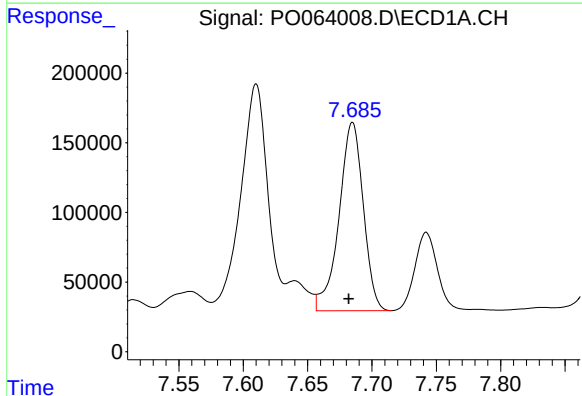
R.T.: 7.327 min  
Delta R.T.: 0.002 min  
Response: 1820327  
Conc: 722.53 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



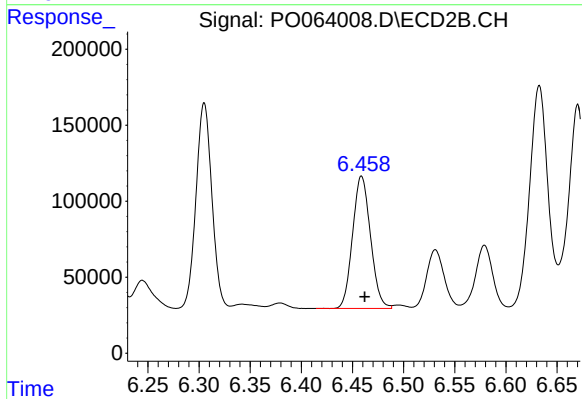
#32 AR-1260-2

R.T.: 6.305 min  
Delta R.T.: -0.003 min  
Response: 1469270  
Conc: 746.91 ng/ml



#33 AR-1260-3

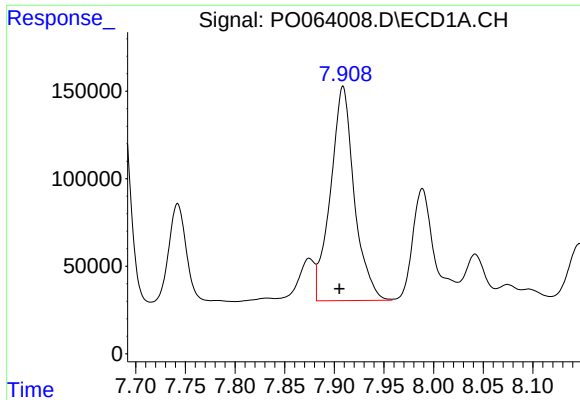
R.T.: 7.685 min  
Delta R.T.: 0.003 min  
Response: 1775874  
Conc: 876.47 ng/ml



#33 AR-1260-3

R.T.: 6.459 min  
Delta R.T.: -0.003 min  
Response: 1063084  
Conc: 596.07 ng/ml

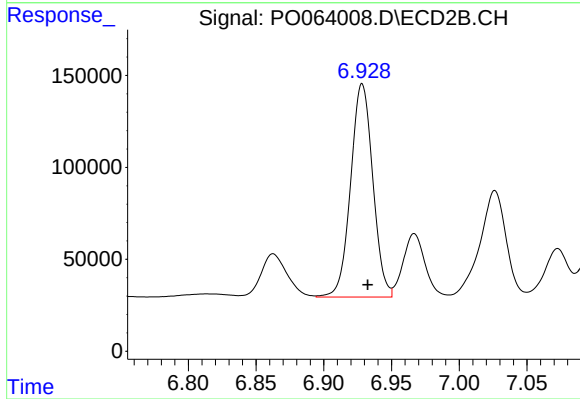




#34 AR-1260-4

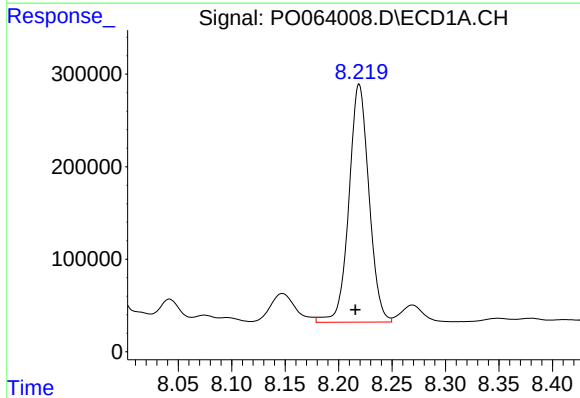
R.T.: 7.909 min  
Delta R.T.: 0.004 min  
Response: 2038850  
Conc: 856.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



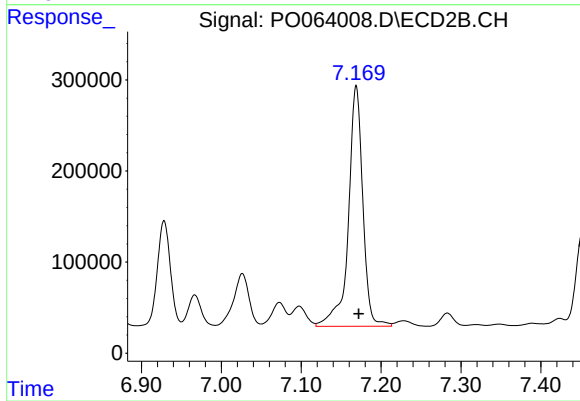
#34 AR-1260-4

R.T.: 6.928 min  
Delta R.T.: -0.004 min  
Response: 1320135  
Conc: 838.47 ng/ml



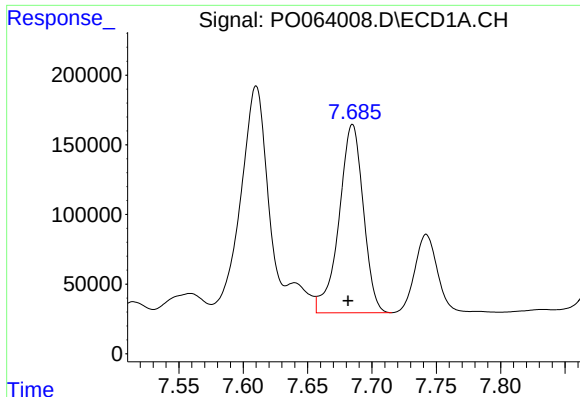
#35 AR-1260-5

R.T.: 8.219 min  
Delta R.T.: 0.004 min  
Response: 3358990  
Conc: 715.55 ng/ml



#35 AR-1260-5

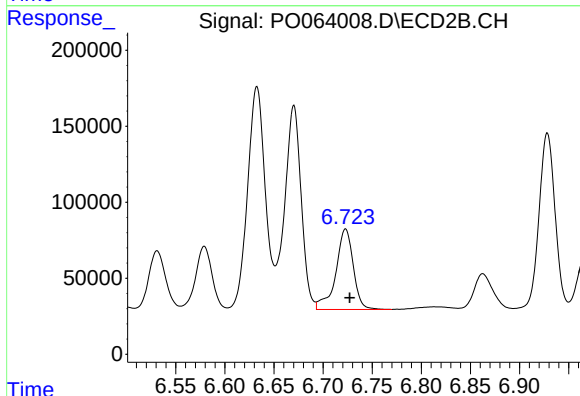
R.T.: 7.169 min  
Delta R.T.: -0.003 min  
Response: 3314853  
Conc: 855.02 ng/ml



#36 AR-1262-1

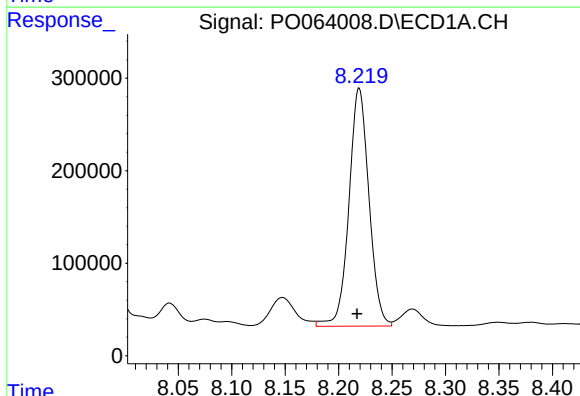
R.T.: 7.685 min  
Delta R.T.: 0.003 min  
Response: 1775874  
Conc: 551.60 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



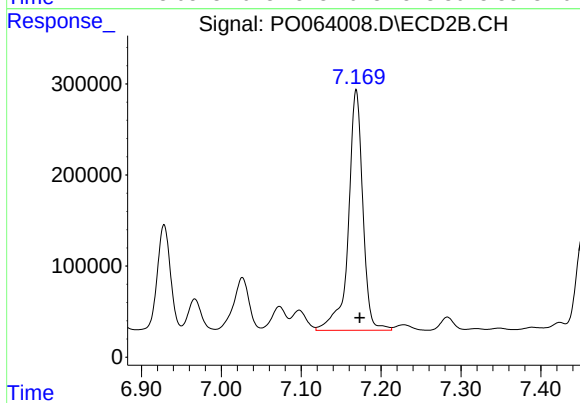
#36 AR-1262-1

R.T.: 6.723 min  
Delta R.T.: -0.004 min  
Response: 656550  
Conc: 627.96 ng/ml



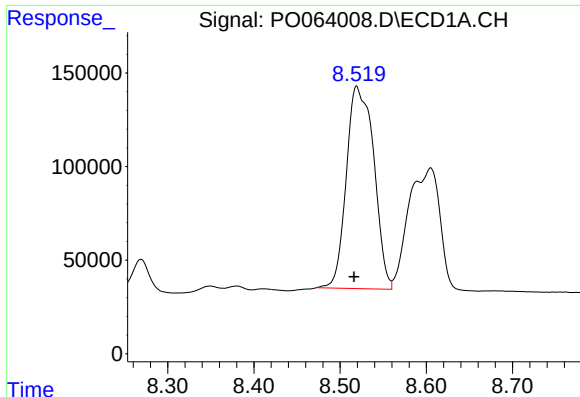
#37 AR-1262-2

R.T.: 8.219 min  
Delta R.T.: 0.002 min  
Response: 3358990  
Conc: 570.16 ng/ml



#37 AR-1262-2

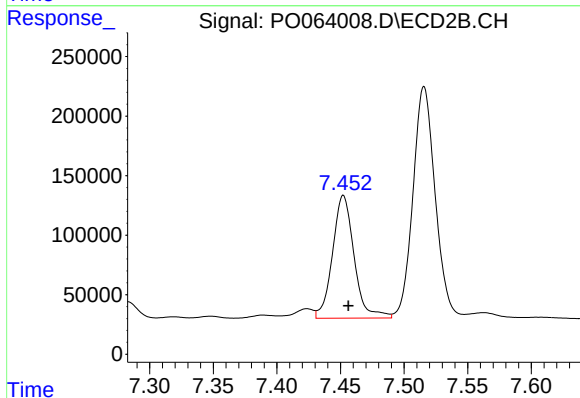
R.T.: 7.169 min  
Delta R.T.: -0.004 min  
Response: 3314853  
Conc: 698.87 ng/ml



#38 AR-1262-3

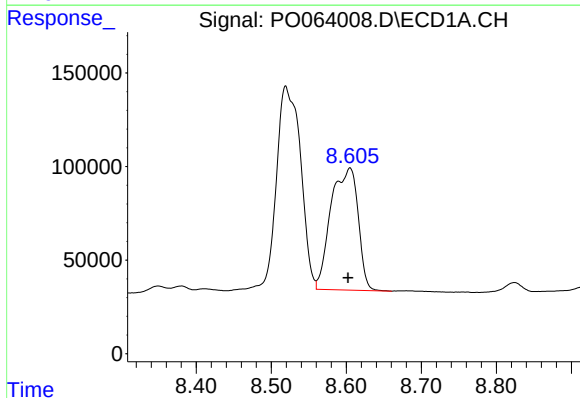
R.T.: 8.519 min  
Delta R.T.: 0.003 min  
Response: 2391127  
Conc: 583.55 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



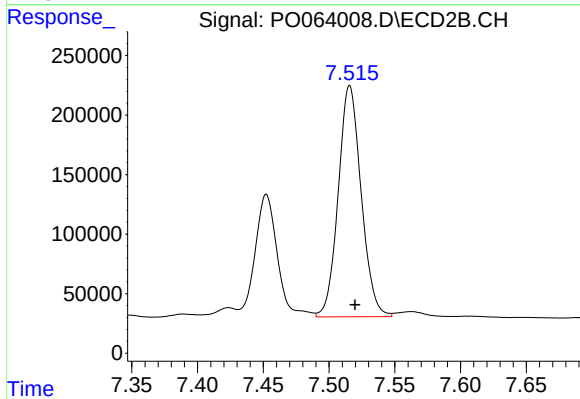
#38 AR-1262-3

R.T.: 7.452 min  
Delta R.T.: -0.004 min  
Response: 1216864  
Conc: 649.26 ng/ml



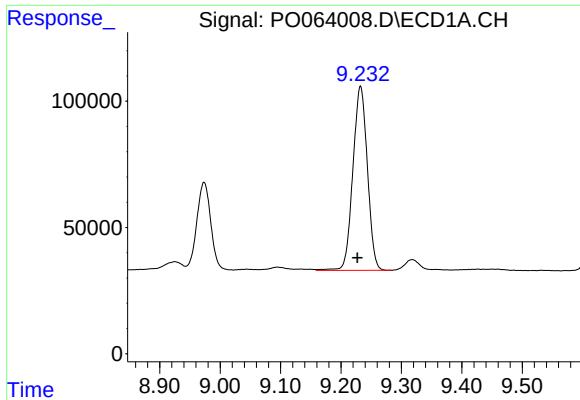
#39 AR-1262-4

R.T.: 8.605 min  
Delta R.T.: 0.002 min  
Response: 1644442  
Conc: 525.83 ng/ml



#39 AR-1262-4

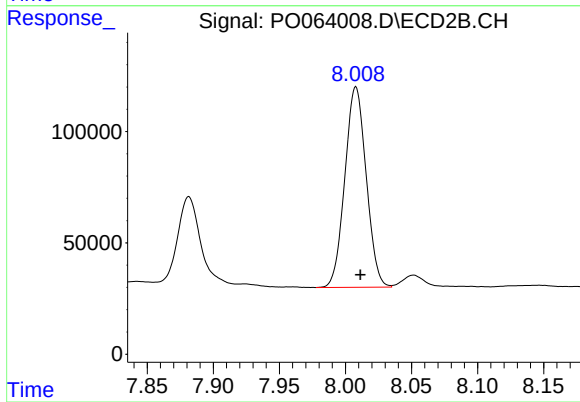
R.T.: 7.516 min  
Delta R.T.: -0.004 min  
Response: 2357151  
Conc: 667.67 ng/ml



#40 AR-1262-5

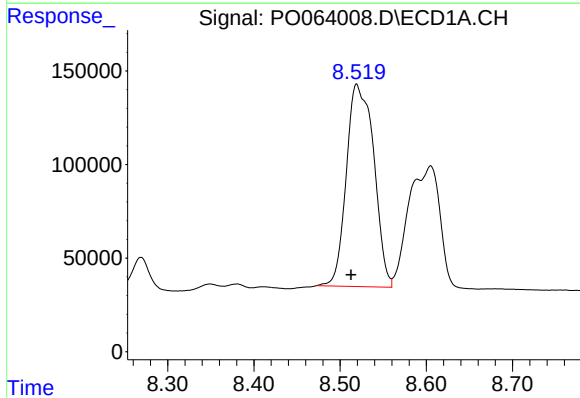
R.T.: 9.232 min  
Delta R.T.: 0.005 min  
Response: 1216113  
Conc: 558.27 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



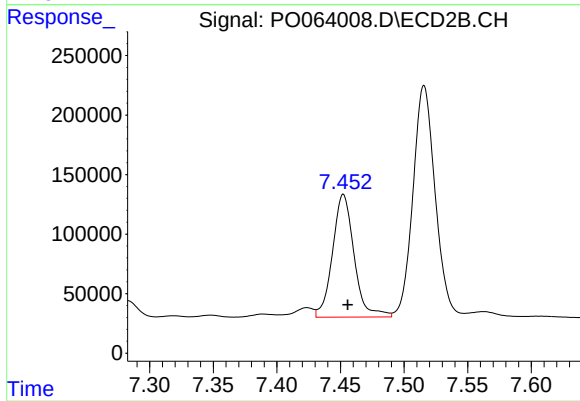
#40 AR-1262-5

R.T.: 8.008 min  
Delta R.T.: -0.003 min  
Response: 1013075  
Conc: 663.51 ng/ml



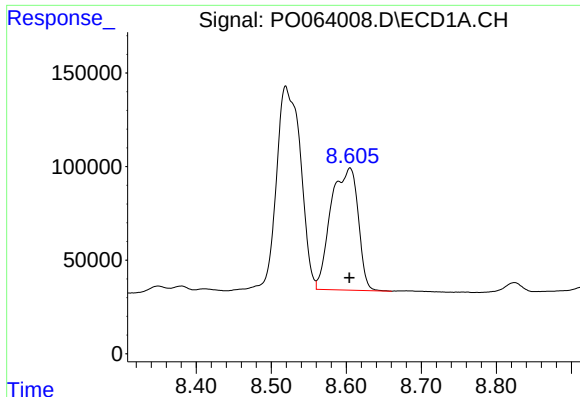
#41 AR-1268-1

R.T.: 8.519 min  
Delta R.T.: 0.006 min  
Response: 2391127  
Conc: 353.73 ng/ml



#41 AR-1268-1

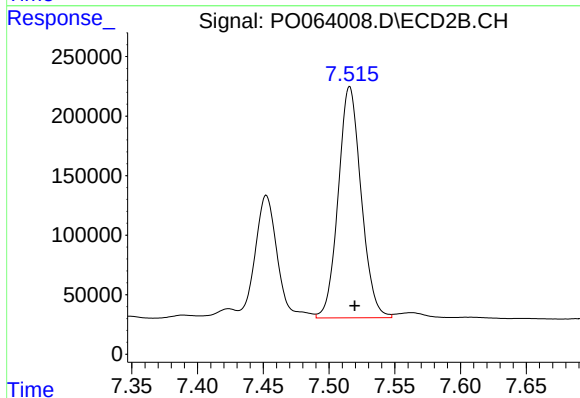
R.T.: 7.452 min  
Delta R.T.: -0.004 min  
Response: 1216864  
Conc: 227.94 ng/ml



#42 AR-1268-2

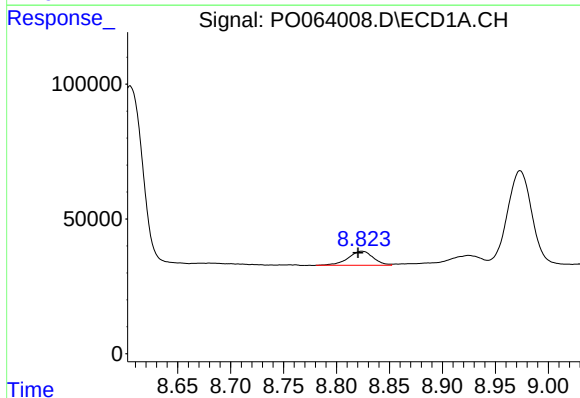
R.T.: 8.605 min  
Delta R.T.: 0.001 min  
Response: 1644442  
Conc: 262.06 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



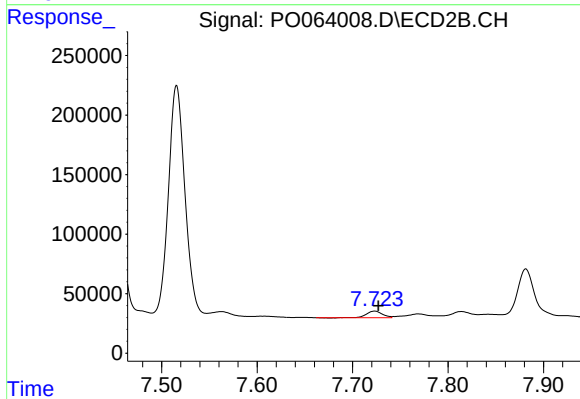
#42 AR-1268-2

R.T.: 7.516 min  
Delta R.T.: -0.004 min  
Response: 2357151  
Conc: 473.00 ng/ml



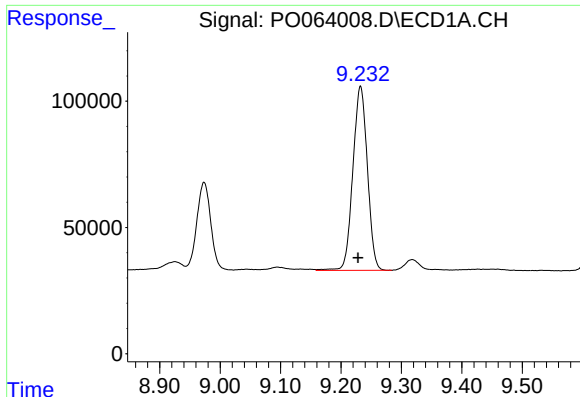
#43 AR-1268-3

R.T.: 8.824 min  
Delta R.T.: 0.004 min  
Response: 86083  
Conc: 16.58 ng/ml



#43 AR-1268-3

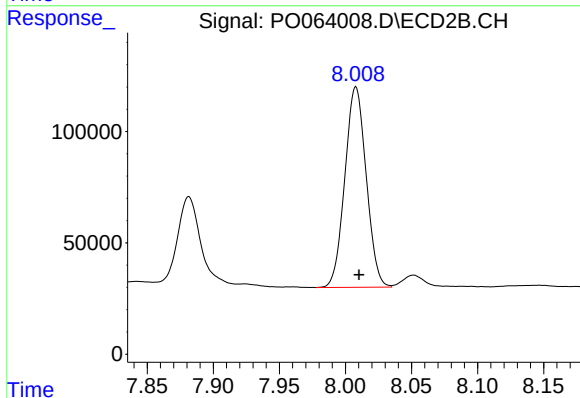
R.T.: 7.723 min  
Delta R.T.: -0.004 min  
Response: 63472  
Conc: 15.99 ng/ml



#44 AR-1268-4

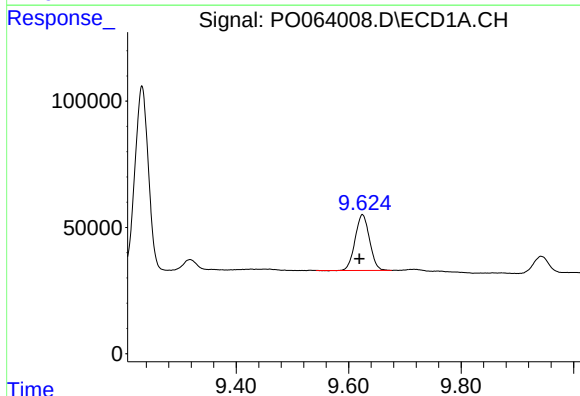
R.T.: 9.232 min  
Delta R.T.: 0.004 min  
Response: 1216113  
Conc: 500.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
5CDL



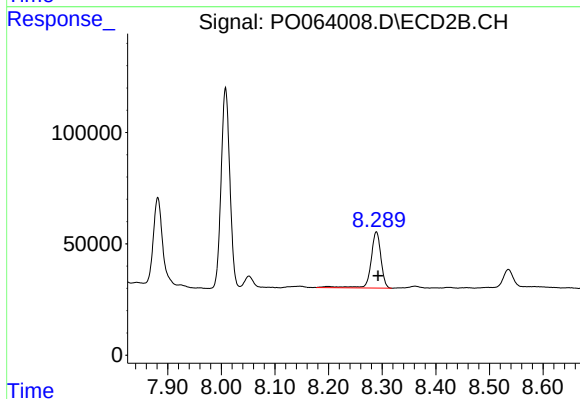
#44 AR-1268-4

R.T.: 8.008 min  
Delta R.T.: -0.002 min  
Response: 1013075  
Conc: 598.05 ng/ml



#45 AR-1268-5

R.T.: 9.625 min  
Delta R.T.: 0.005 min  
Response: 393405  
Conc: 25.58 ng/ml



#45 AR-1268-5

R.T.: 8.289 min  
Delta R.T.: -0.003 min  
Response: 329570  
Conc: 27.86 ng/ml