

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0062719\  
 Data File : P0057552.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 27 Jun 2019 17:29  
 Operator : SM/SJ  
 Sample : K3531-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 FK-GF-02-043-B

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 28 00:50:18 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0062419.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Mon Jun 24 14:02:43 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... | 4.218 | 3.549 | 797924 | 639505 | 20.313  | 18.187    |
| 2)                          | SA Decachlor... | 9.756 | 8.463 | 601278 | 416380 | 10.693  | 11.131    |
| Target Compounds            |                 |       |       |        |        |         |           |
| 3)                          | L1 AR-1016-1    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 56.782 #  |
| 4)                          | L1 AR-1016-2    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 38.994 #  |
| 6)                          | L1 AR-1016-4    | 0.000 | 4.913 | 0      | 100221 | N.D.    | 112.645 # |
| 7)                          | L1 AR-1016-5    | 5.804 | 5.001 | 242420 | 213296 | 177.357 | 186.708   |
| 10)                         | L2 AR-1221-3    | 4.670 | 0.000 | 31064  | 0      | 29.427  | N.D. #    |
| 11)                         | L3 AR-1232-1    | 4.670 | 0.000 | 31064  | 0      | 34.604  | N.D. #    |
| 12)                         | L3 AR-1232-2    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 92.140 #  |
| 14)                         | L3 AR-1232-4    | 0.000 | 4.913 | 0      | 100221 | N.D.    | 263.599 # |
| 15)                         | L3 AR-1232-5    | 0.000 | 5.001 | 0      | 213296 | N.D.    | 501.002 # |
| 16)                         | L4 AR-1242-1    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 71.735 #  |
| 17)                         | L4 AR-1242-2    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 48.729 #  |
| 19)                         | L4 AR-1242-4    | 0.000 | 4.913 | 0      | 100221 | N.D.    | 120.099 # |
| 20)                         | L4 AR-1242-5    | 6.373 | 5.412 | 66889  | 229161 | 51.550  | 228.827 # |
| 21)                         | L5 AR-1248-1    | 0.000 | 4.639 | 0      | 75917  | N.D.    | 81.873 #  |
| 22)                         | L5 AR-1248-2    | 0.000 | 4.913 | 0      | 100221 | N.D.    | 77.971 #  |
| 23)                         | L5 AR-1248-3    | 5.804 | 4.913 | 242420 | 100221 | 124.469 | 75.948 #  |
| 24)                         | L5 AR-1248-4    | 6.230 | 5.001 | 482285 | 213296 | 205.766 | 131.789 # |
| 25)                         | L5 AR-1248-5    | 6.373 | 5.412 | 66889  | 229161 | 29.787  | 148.174 # |
| 26)                         | L6 AR-1254-1    | 6.230 | 5.412 | 482285 | 229161 | 247.611 | 107.754 # |
| 27)                         | L6 AR-1254-2    | 6.443 | 5.548 | 323299 | 54641  | 103.729 | 29.357 #  |
| 28)                         | L6 AR-1254-3    | 6.811 | 5.962 | 209338 | 161575 | 63.319  | 53.658    |
| 29)                         | L6 AR-1254-4    | 7.061 | 6.213 | 75844  | 81789  | 27.947  | 45.437 #  |
| 30)                         | L6 AR-1254-5    | 7.524 | 6.584 | 116194 | 199308 | 41.559  | 73.570 #  |
| 31)                         | L7 AR-1260-1    | 6.960 | 6.073 | 123305 | 93395  | 44.492  | 43.637    |
| 32)                         | L7 AR-1260-2    | 7.215 | 6.260 | 645117 | 133097 | 174.990 | 48.511 #  |
| 33)                         | L7 AR-1260-3    | 7.571 | 6.411 | 130100 | 97381  | 42.822  | 39.885    |
| 34)                         | L7 AR-1260-4    | 7.796 | 6.877 | 129284 | 77673  | 42.629  | 37.306    |
| 35)                         | L7 AR-1260-5    | 8.103 | 7.118 | 240044 | 197502 | 38.385  | 38.939    |
| 36)                         | L8 AR-1262-1    | 7.571 | 6.620 | 130100 | 96417  | 28.626  | 25.758    |
| 37)                         | L8 AR-1262-2    | 8.103 | 7.118 | 240044 | 197502 | 33.504  | 33.239    |
| 38)                         | L8 AR-1262-3    | 8.408 | 7.397 | 149668 | 42293  | 30.482  | 16.535 #  |
| 39)                         | L8 AR-1262-4    | 8.458 | 7.461 | 97108  | 133907 | 23.869  | 30.383 #  |
| 40)                         | L8 AR-1262-5    | 9.083 | 7.954 | 64134  | 47044  | 25.433  | 25.760    |
| 41)                         | L9 AR-1268-1    | 8.408 | 7.397 | 149668 | 42293  | 17.750  | 6.177 #   |
| 42)                         | L9 AR-1268-2    | 8.458 | 7.461 | 97108  | 133907 | 12.162  | 21.097 #  |
| 44)                         | L9 AR-1268-4    | 9.083 | 7.954 | 64134  | 47044  | 24.891  | 23.482    |
| -----                       |                 |       |       |        |        |         |           |

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

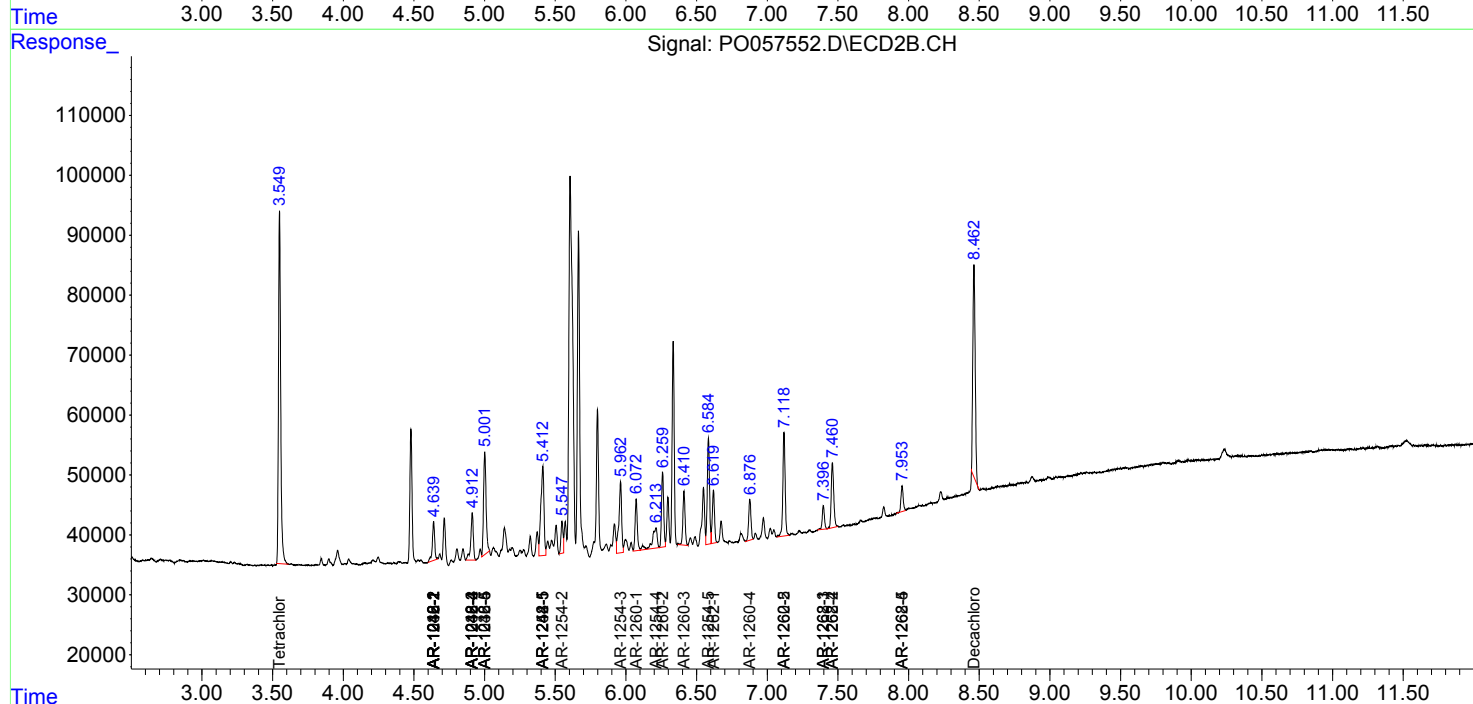
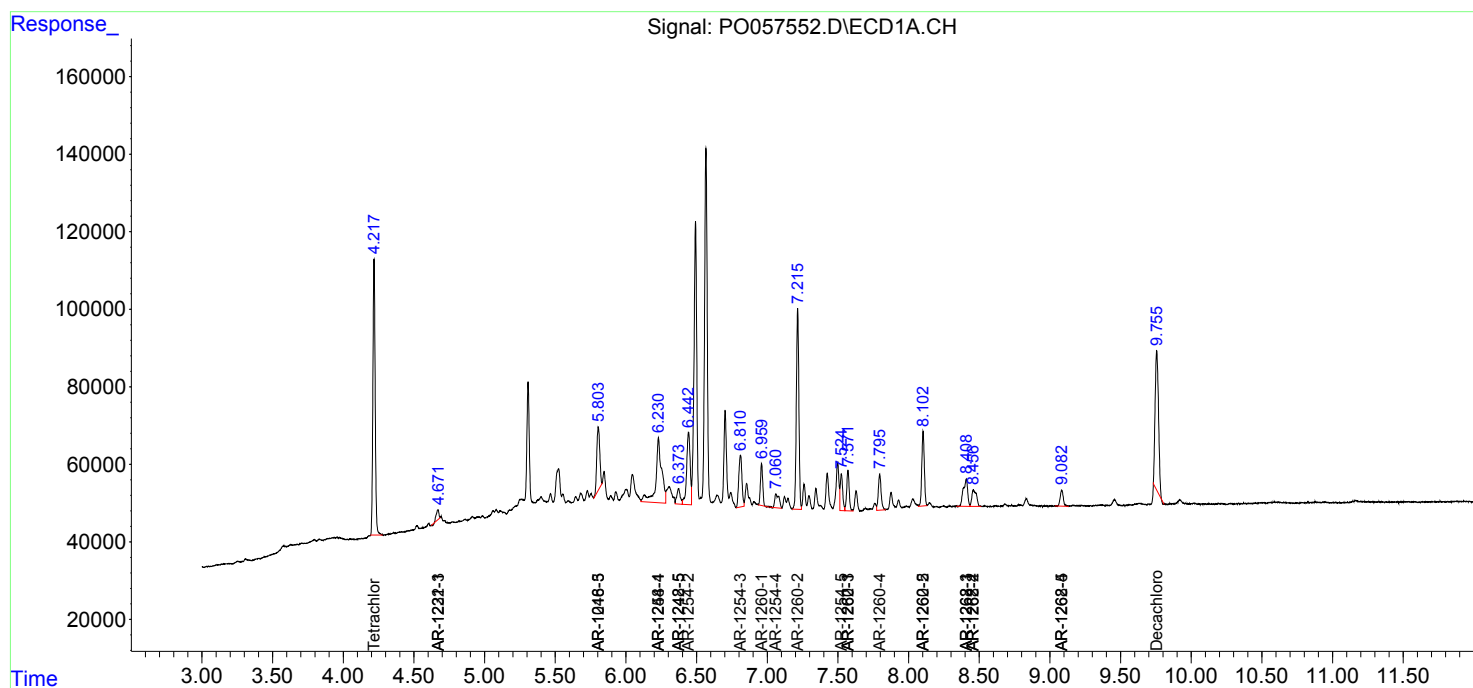
Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B

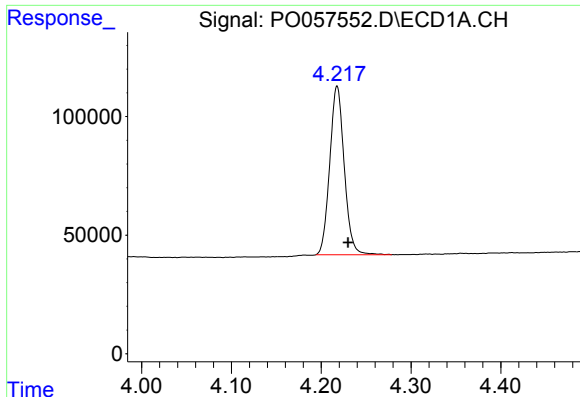
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0062719\  
Data File : P0057552.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 27 Jun 2019 17:29  
Operator : SM/SJ  
Sample : K3531-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 28 00:50:18 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0062419.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Mon Jun 24 14:02:43 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

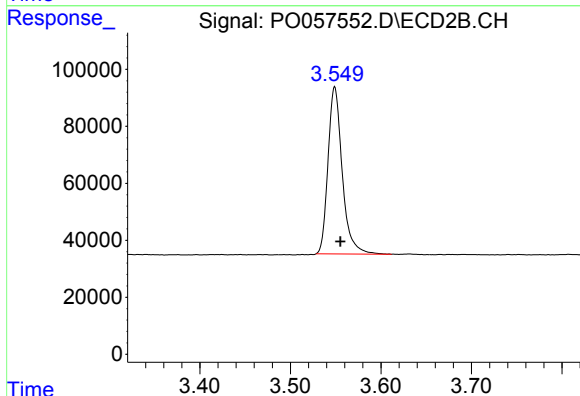




#1 Tetrachloro-m-xylene

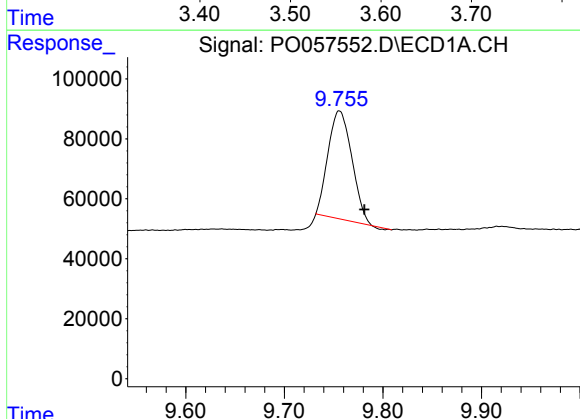
R.T.: 4.218 min  
Delta R.T.: -0.012 min  
Response: 797924  
Conc: 20.31 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



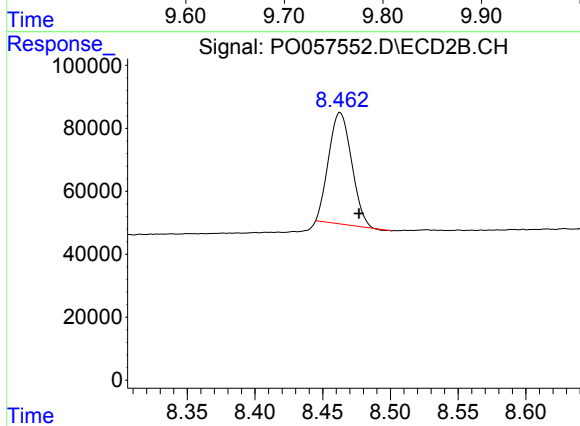
#1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: -0.006 min  
Response: 639505  
Conc: 18.19 ng/ml



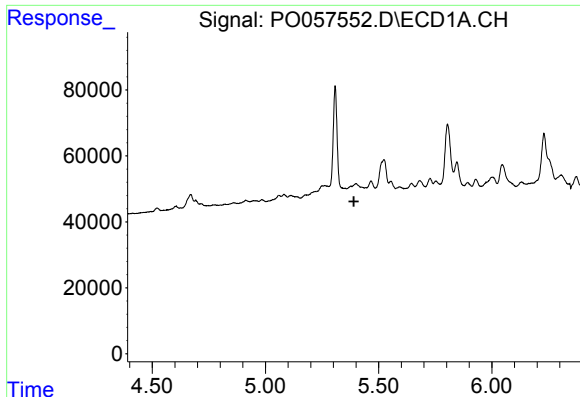
#2 Decachlorobiphenyl

R.T.: 9.756 min  
Delta R.T.: -0.025 min  
Response: 601278  
Conc: 10.69 ng/ml



#2 Decachlorobiphenyl

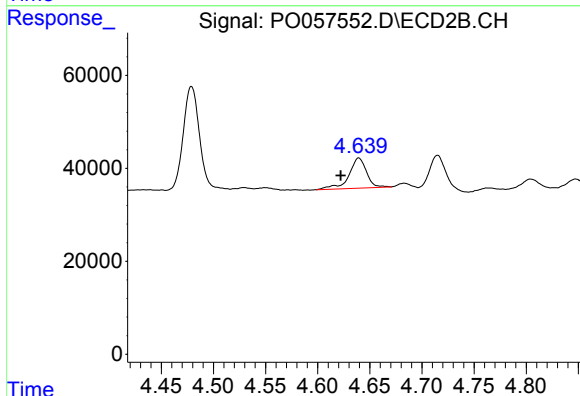
R.T.: 8.463 min  
Delta R.T.: -0.014 min  
Response: 416380  
Conc: 11.13 ng/ml



#3 AR-1016-1

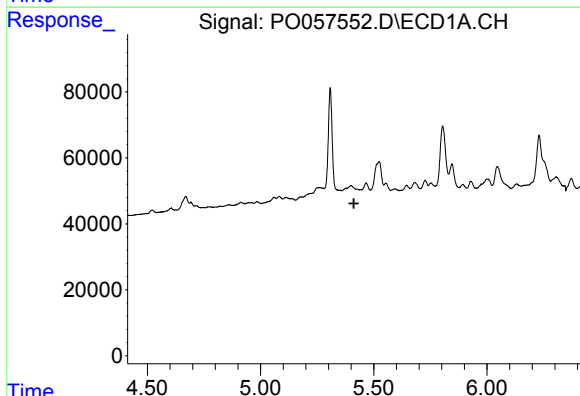
R.T.: 0.000 min  
Exp R.T.: 5.391 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



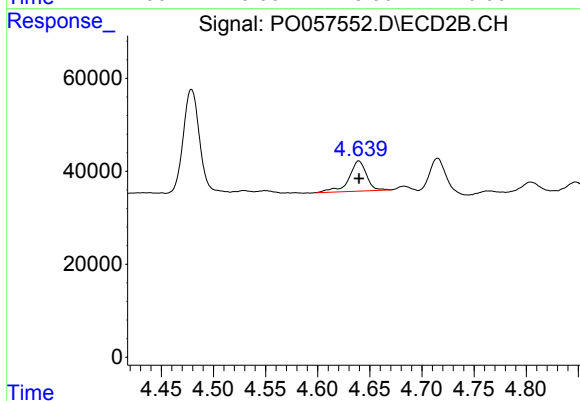
#3 AR-1016-1

R.T.: 4.639 min  
Delta R.T.: 0.017 min  
Response: 75917  
Conc: 56.78 ng/ml



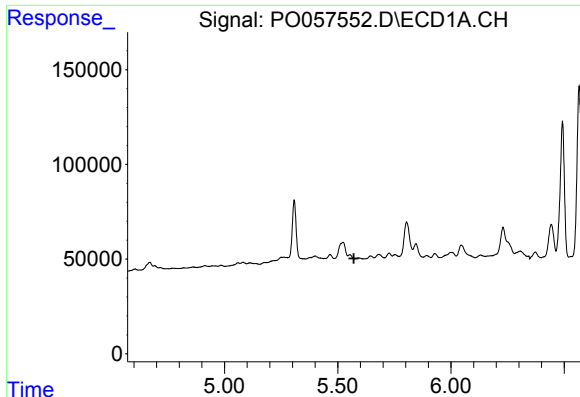
#4 AR-1016-2

R.T.: 0.000 min  
Exp R.T.: 5.412 min  
Response: 0  
Conc: N.D.



#4 AR-1016-2

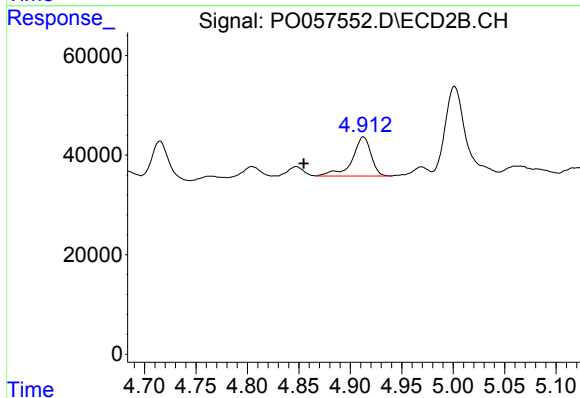
R.T.: 4.639 min  
Delta R.T.: 0.000 min  
Response: 75917  
Conc: 38.99 ng/ml



#6 AR-1016-4

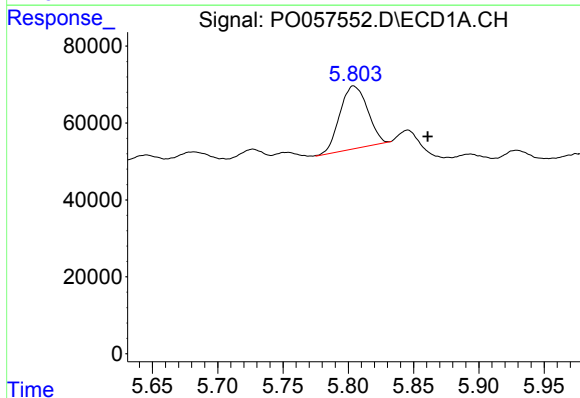
R.T.: 0.000 min  
Exp R.T.: 5.571 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



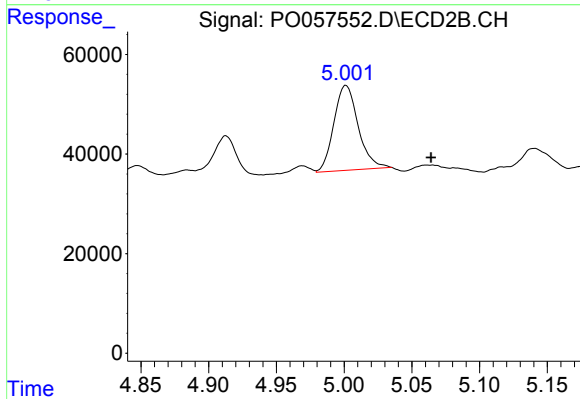
#6 AR-1016-4

R.T.: 4.913 min  
Delta R.T.: 0.058 min  
Response: 100221  
Conc: 112.65 ng/ml



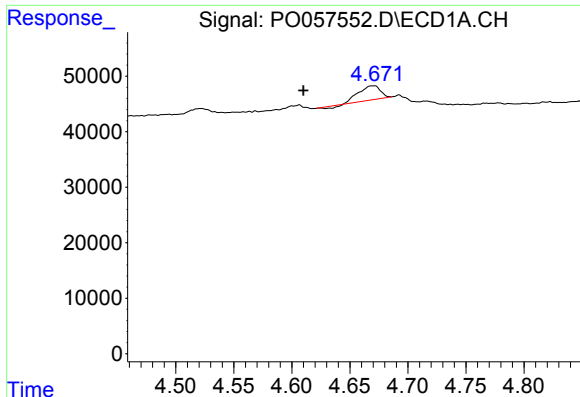
#7 AR-1016-5

R.T.: 5.804 min  
Delta R.T.: -0.057 min  
Response: 242420  
Conc: 177.36 ng/ml



#7 AR-1016-5

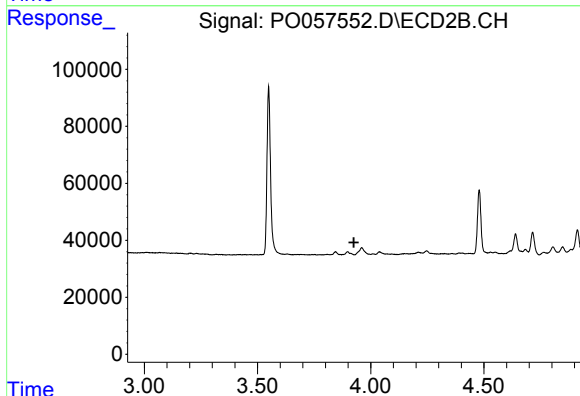
R.T.: 5.001 min  
Delta R.T.: -0.063 min  
Response: 213296  
Conc: 186.71 ng/ml



#10 AR-1221-3

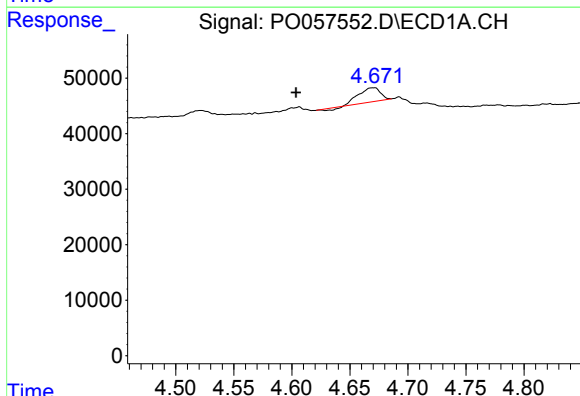
R.T.: 4.670 min  
Delta R.T.: 0.060 min  
Response: 31064  
Conc: 29.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



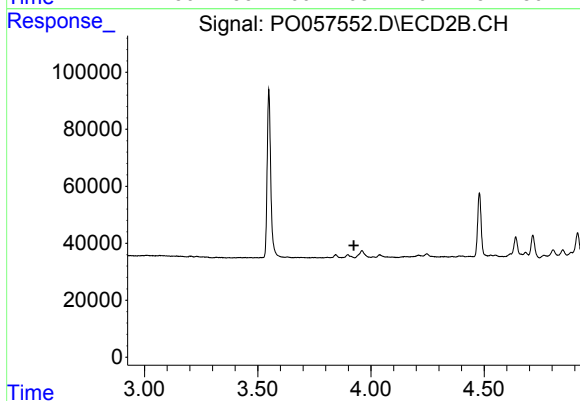
#10 AR-1221-3

R.T.: 0.000 min  
Exp R.T. : 3.925 min  
Response: 0  
Conc: N.D.



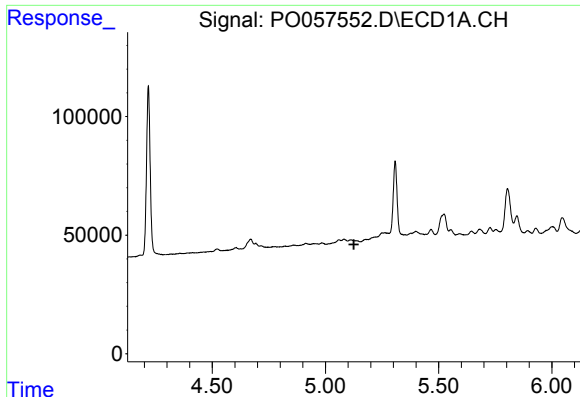
#11 AR-1232-1

R.T.: 4.670 min  
Delta R.T.: 0.067 min  
Response: 31064  
Conc: 34.60 ng/ml



#11 AR-1232-1

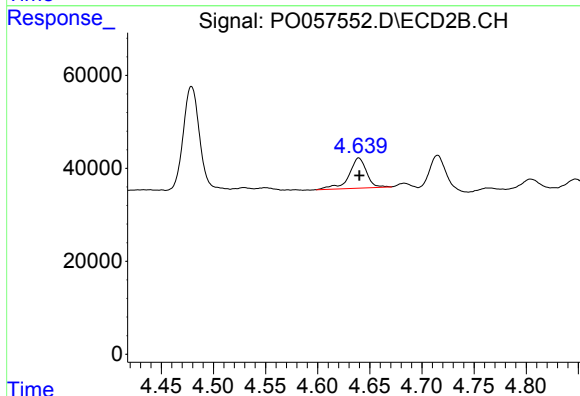
R.T.: 0.000 min  
Exp R.T. : 3.924 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

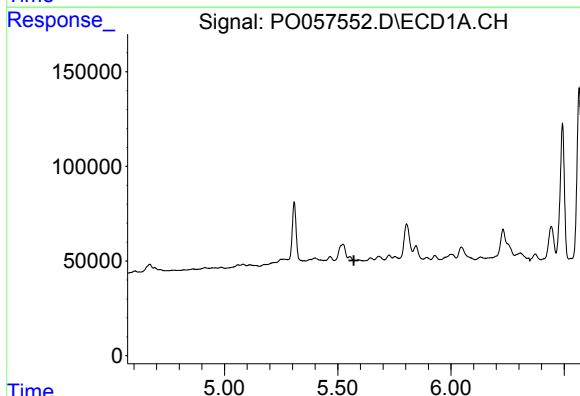
R.T.: 0.000 min  
Exp R.T.: 5.125 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



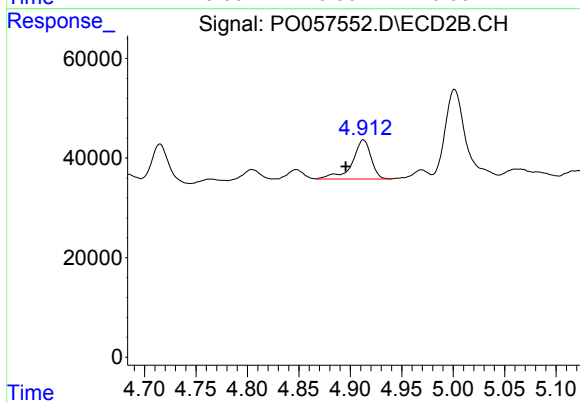
#12 AR-1232-2

R.T.: 4.639 min  
Delta R.T.: 0.000 min  
Response: 75917  
Conc: 92.14 ng/ml



#14 AR-1232-4

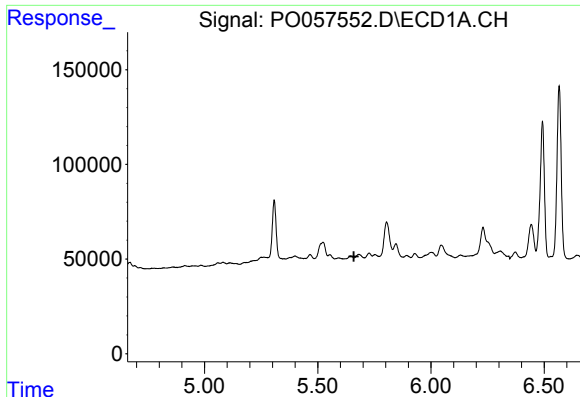
R.T.: 0.000 min  
Exp R.T.: 5.572 min  
Response: 0  
Conc: N.D.



#14 AR-1232-4

R.T.: 4.913 min  
Delta R.T.: 0.017 min  
Response: 100221  
Conc: 263.60 ng/ml

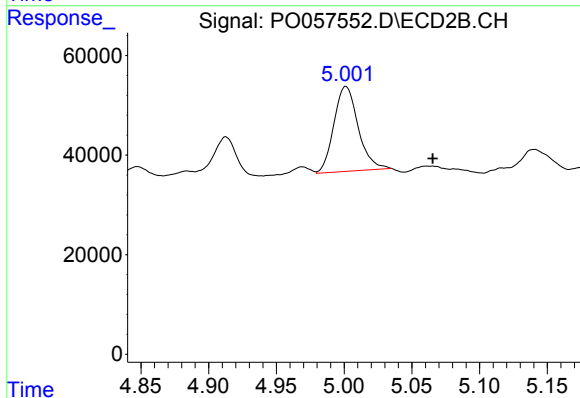




#15 AR-1232-5

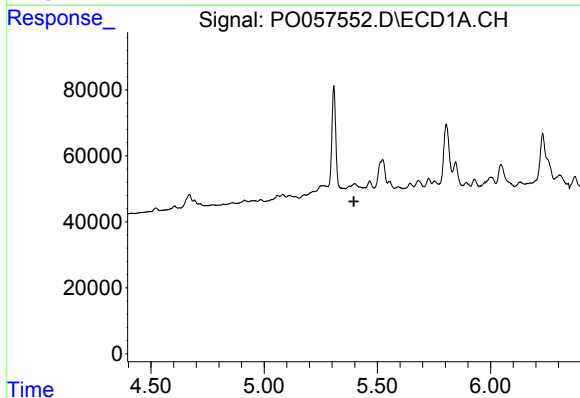
R.T.: 0.000 min  
Exp R.T.: 5.660 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



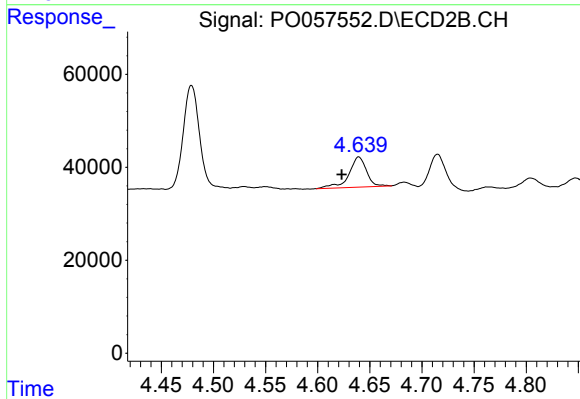
#15 AR-1232-5

R.T.: 5.001 min  
Delta R.T.: -0.064 min  
Response: 213296  
Conc: 501.00 ng/ml



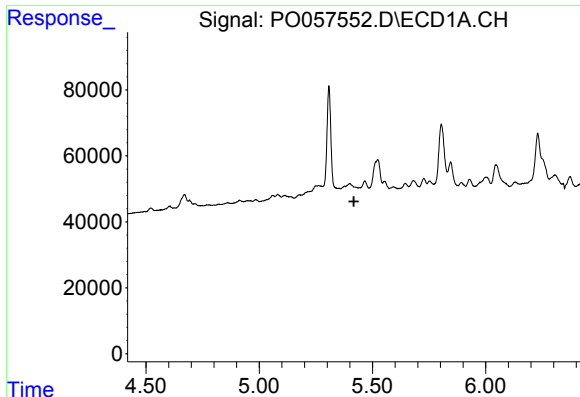
#16 AR-1242-1

R.T.: 0.000 min  
Exp R.T.: 5.397 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

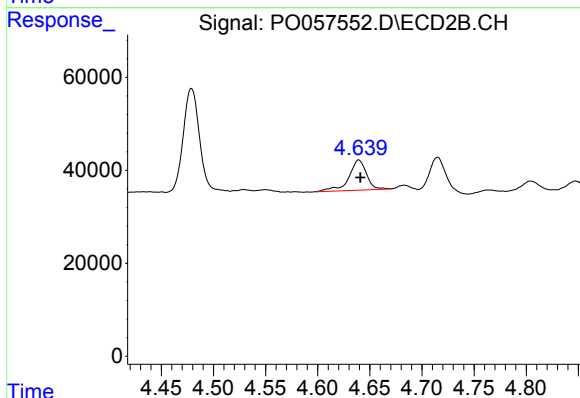
R.T.: 4.639 min  
Delta R.T.: 0.016 min  
Response: 75917  
Conc: 71.73 ng/ml



#17 AR-1242-2

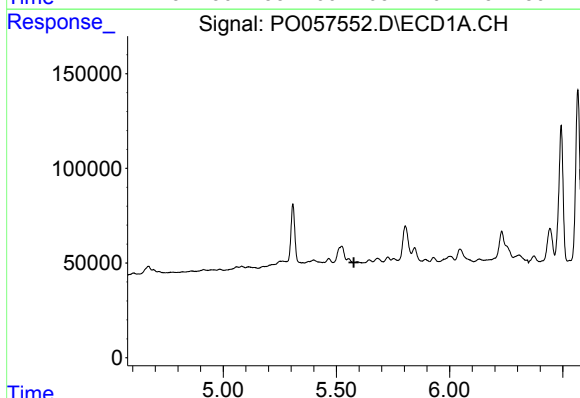
R.T.: 0.000 min  
Exp R.T.: 5.418 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



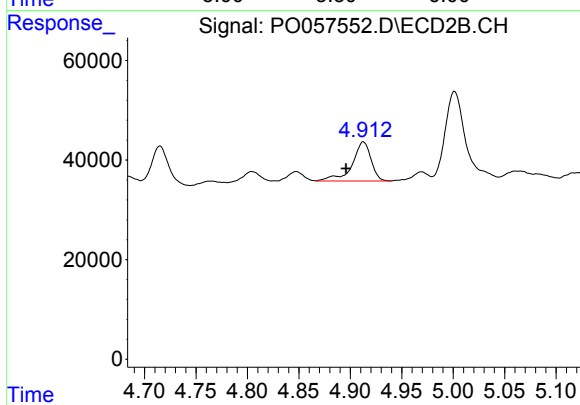
#17 AR-1242-2

R.T.: 4.639 min  
Delta R.T.: -0.002 min  
Response: 75917  
Conc: 48.73 ng/ml



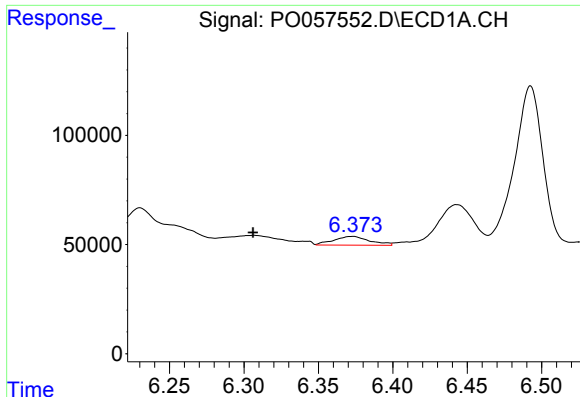
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 5.577 min  
Response: 0  
Conc: N.D.



#19 AR-1242-4

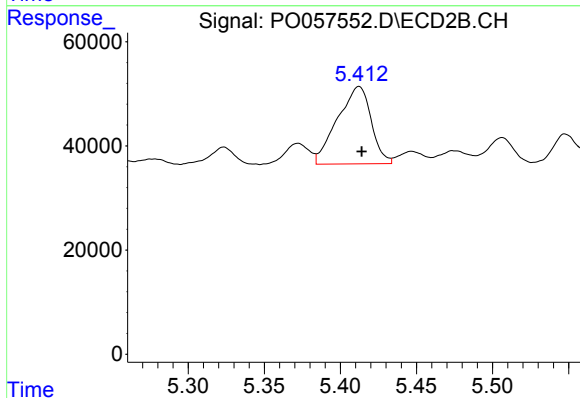
R.T.: 4.913 min  
Delta R.T.: 0.017 min  
Response: 100221  
Conc: 120.10 ng/ml



#20 AR-1242-5

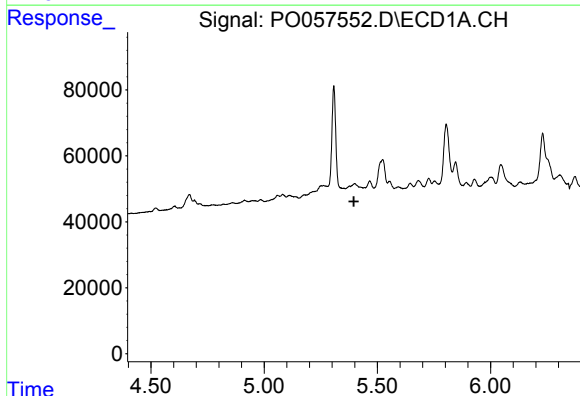
R.T.: 6.373 min  
Delta R.T.: 0.067 min  
Response: 66889  
Conc: 51.55 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



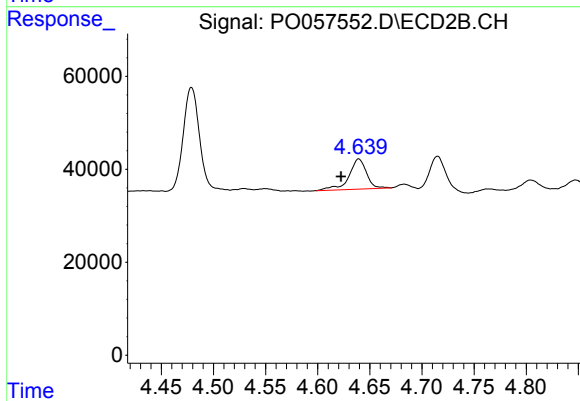
#20 AR-1242-5

R.T.: 5.412 min  
Delta R.T.: -0.002 min  
Response: 229161  
Conc: 228.83 ng/ml



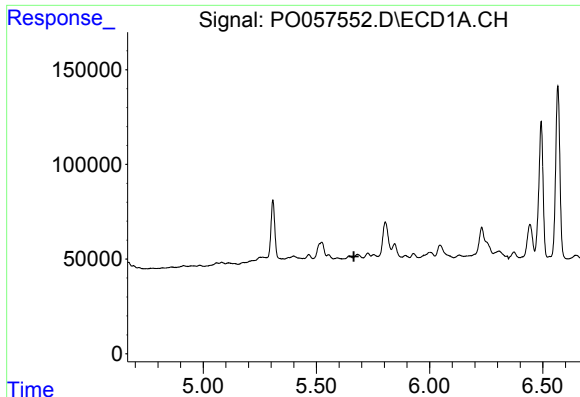
#21 AR-1248-1

R.T.: 0.000 min  
Exp R.T. : 5.396 min  
Response: 0  
Conc: N.D.



#21 AR-1248-1

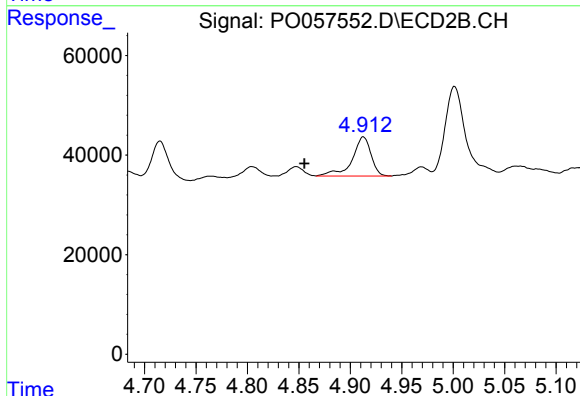
R.T.: 4.639 min  
Delta R.T.: 0.017 min  
Response: 75917  
Conc: 81.87 ng/ml



#22 AR-1248-2

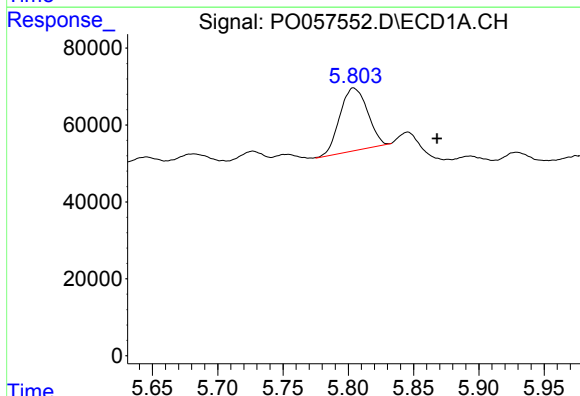
R.T.: 0.000 min  
Exp R.T.: 5.666 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



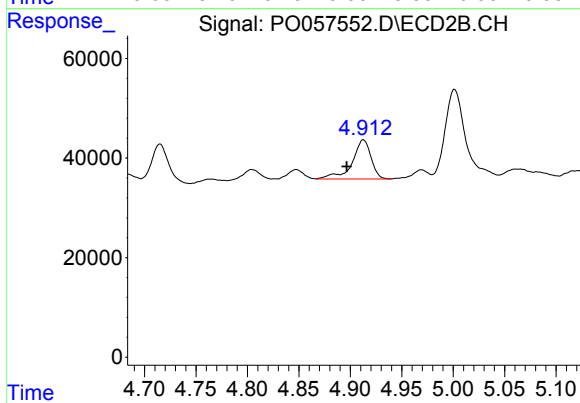
#22 AR-1248-2

R.T.: 4.913 min  
Delta R.T.: 0.057 min  
Response: 100221  
Conc: 77.97 ng/ml



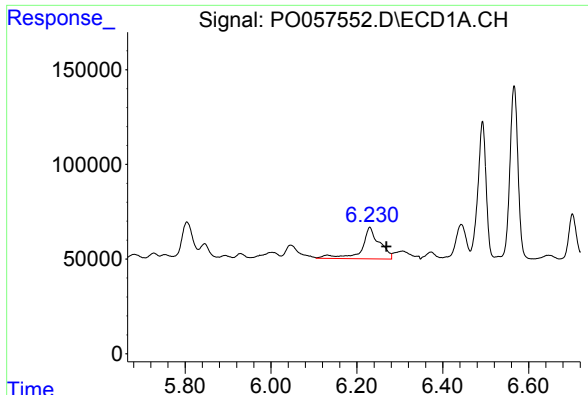
#23 AR-1248-3

R.T.: 5.804 min  
Delta R.T.: -0.064 min  
Response: 242420  
Conc: 124.47 ng/ml



#23 AR-1248-3

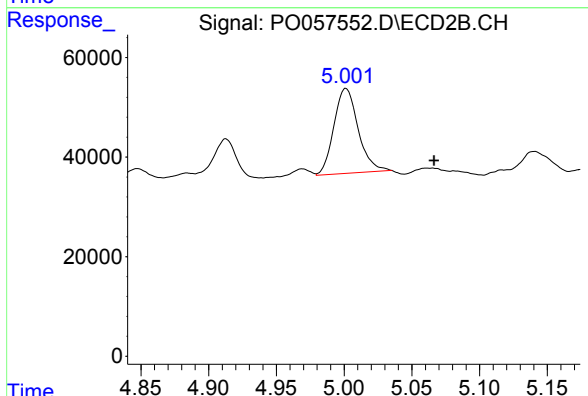
R.T.: 4.913 min  
Delta R.T.: 0.016 min  
Response: 100221  
Conc: 75.95 ng/ml



#24 AR-1248-4

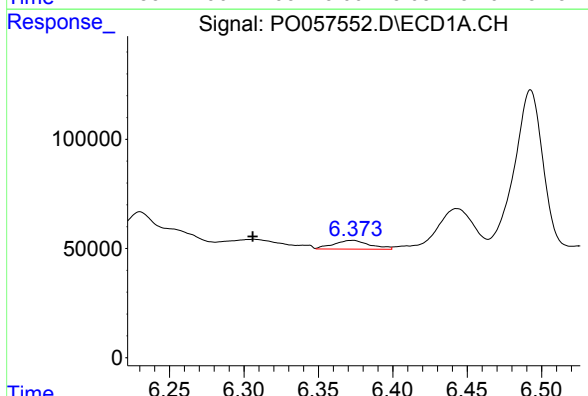
R.T.: 6.230 min  
Delta R.T.: -0.039 min  
Response: 482285  
Conc: 205.77 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



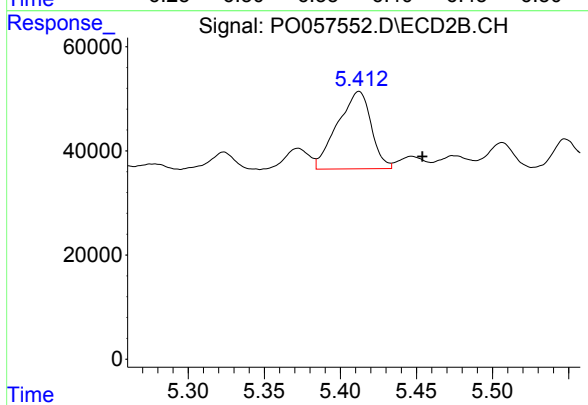
#24 AR-1248-4

R.T.: 5.001 min  
Delta R.T.: -0.065 min  
Response: 213296  
Conc: 131.79 ng/ml



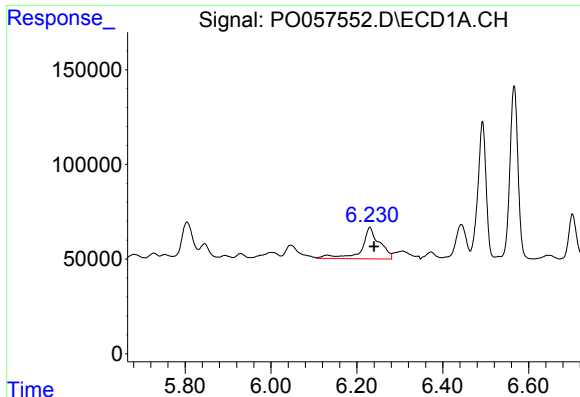
#25 AR-1248-5

R.T.: 6.373 min  
Delta R.T.: 0.067 min  
Response: 66889  
Conc: 29.79 ng/ml



#25 AR-1248-5

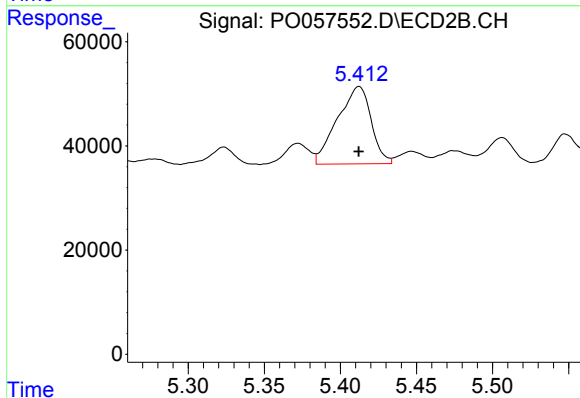
R.T.: 5.412 min  
Delta R.T.: -0.042 min  
Response: 229161  
Conc: 148.17 ng/ml



#26 AR-1254-1

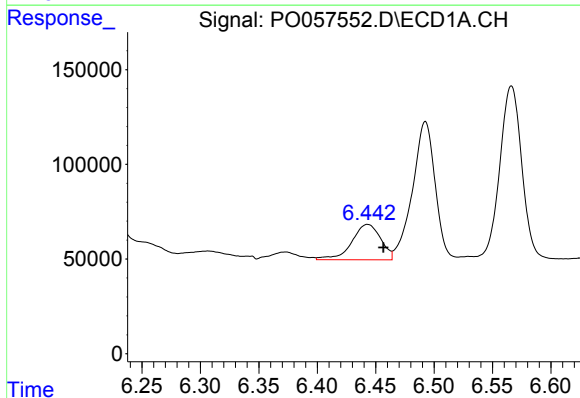
R.T.: 6.230 min  
Delta R.T.: -0.010 min  
Response: 482285  
Conc: 247.61 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
FK-GF-02-043-B



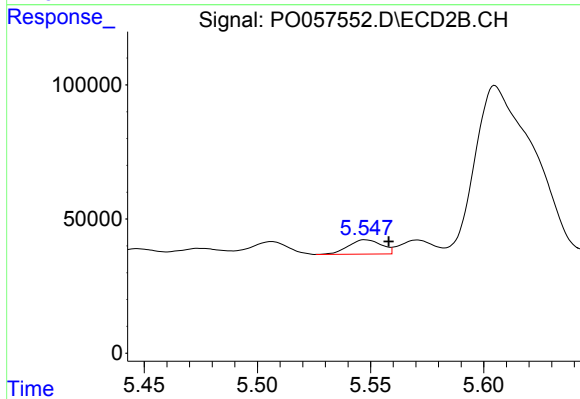
#26 AR-1254-1

R.T.: 5.412 min  
Delta R.T.: 0.000 min  
Response: 229161  
Conc: 107.75 ng/ml



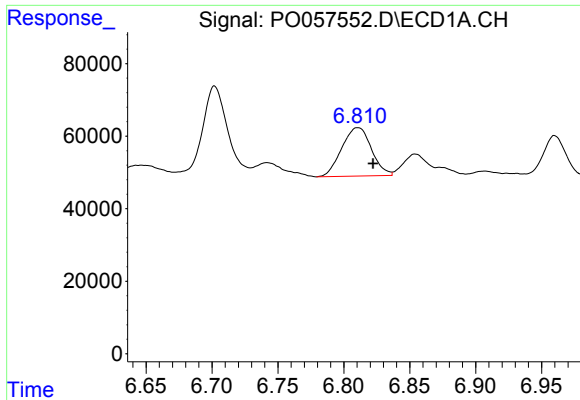
#27 AR-1254-2

R.T.: 6.443 min  
Delta R.T.: -0.014 min  
Response: 323299  
Conc: 103.73 ng/ml



#27 AR-1254-2

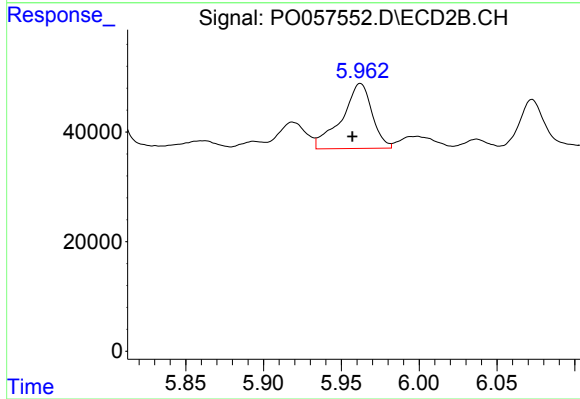
R.T.: 5.548 min  
Delta R.T.: -0.010 min  
Response: 54641  
Conc: 29.36 ng/ml



#28 AR-1254-3

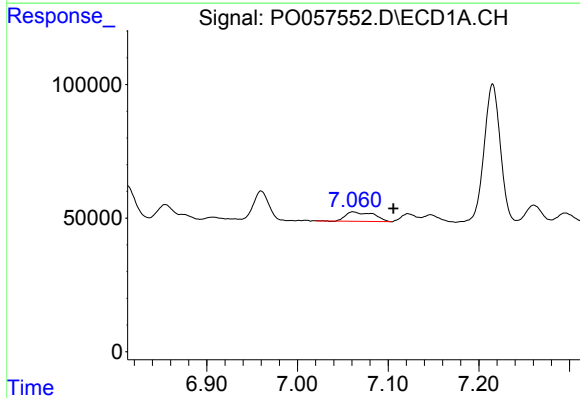
R.T.: 6.811 min  
Delta R.T.: -0.012 min  
Response: 209338  
Conc: 63.32 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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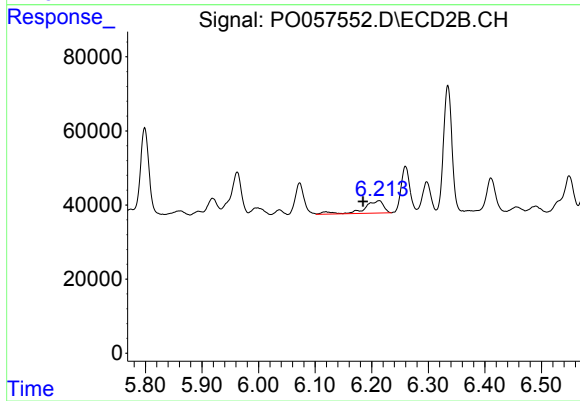
#28 AR-1254-3

R.T.: 5.962 min  
Delta R.T.: 0.005 min  
Response: 161575  
Conc: 53.66 ng/ml



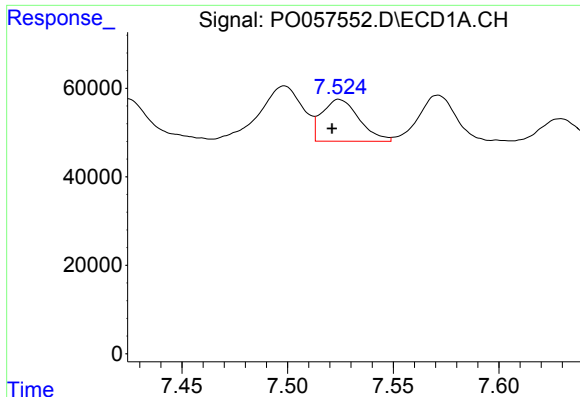
#29 AR-1254-4

R.T.: 7.061 min  
Delta R.T.: -0.045 min  
Response: 75844  
Conc: 27.95 ng/ml



#29 AR-1254-4

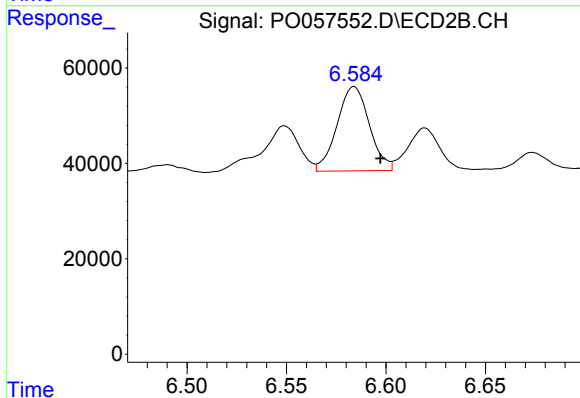
R.T.: 6.213 min  
Delta R.T.: 0.028 min  
Response: 81789  
Conc: 45.44 ng/ml



#30 AR-1254-5

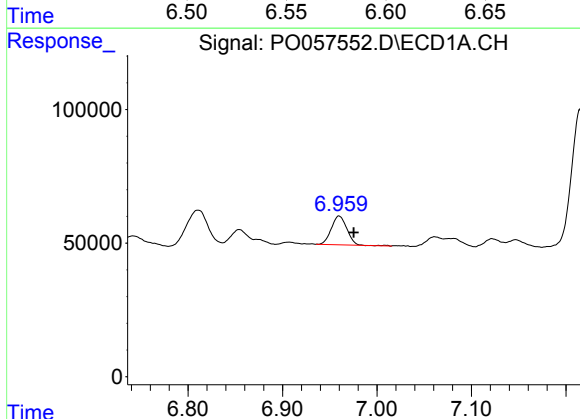
R.T.: 7.524 min  
Delta R.T.: 0.003 min  
Response: 116194  
Conc: 41.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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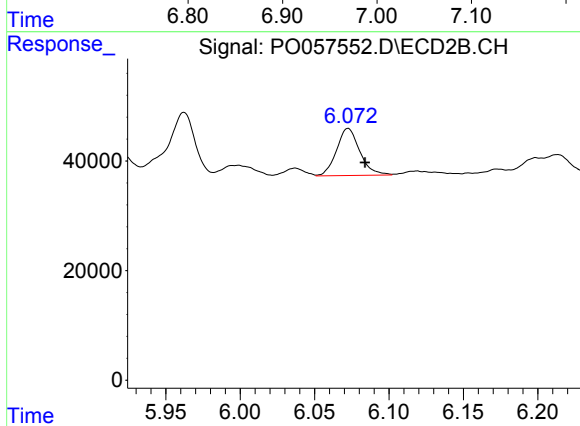
#30 AR-1254-5

R.T.: 6.584 min  
Delta R.T.: -0.013 min  
Response: 199308  
Conc: 73.57 ng/ml



#31 AR-1260-1

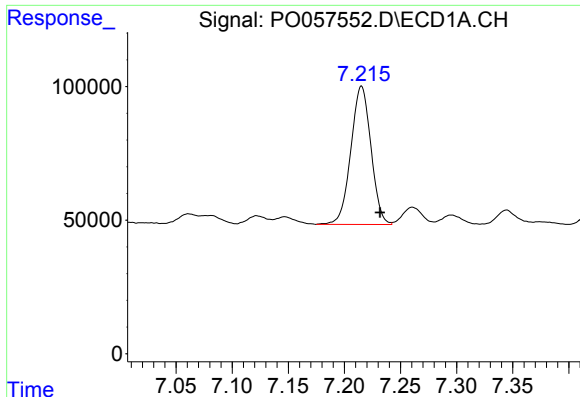
R.T.: 6.960 min  
Delta R.T.: -0.016 min  
Response: 123305  
Conc: 44.49 ng/ml



#31 AR-1260-1

R.T.: 6.073 min  
Delta R.T.: -0.011 min  
Response: 93395  
Conc: 43.64 ng/ml

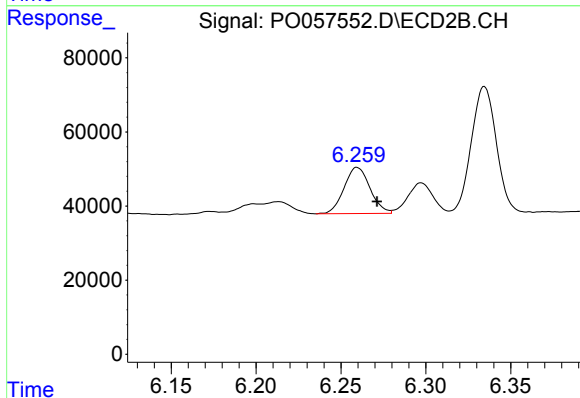




#32 AR-1260-2

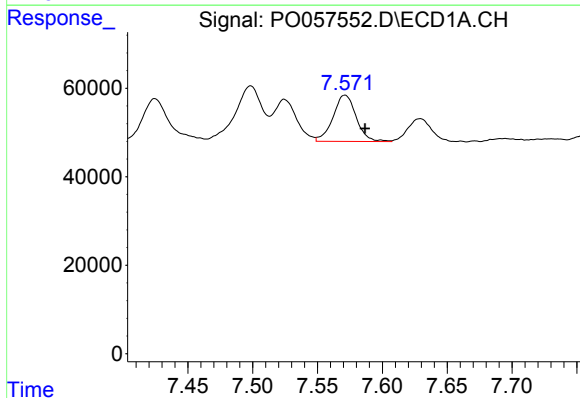
R.T.: 7.215 min  
Delta R.T.: -0.017 min  
Response: 645117  
Conc: 174.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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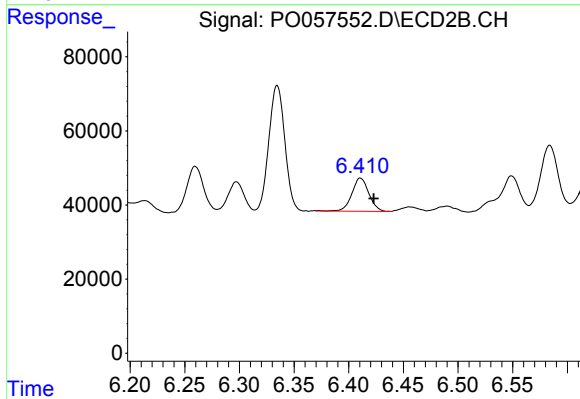
#32 AR-1260-2

R.T.: 6.260 min  
Delta R.T.: -0.012 min  
Response: 133097  
Conc: 48.51 ng/ml



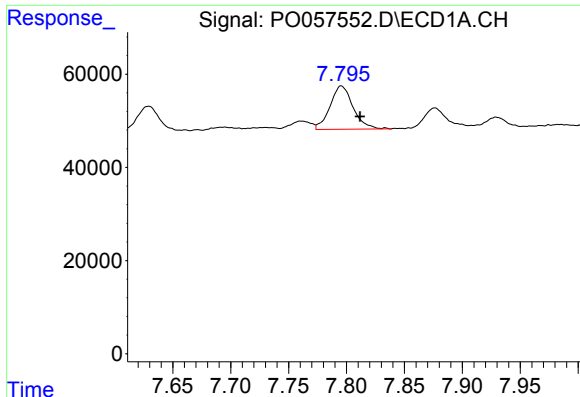
#33 AR-1260-3

R.T.: 7.571 min  
Delta R.T.: -0.015 min  
Response: 130100  
Conc: 42.82 ng/ml



#33 AR-1260-3

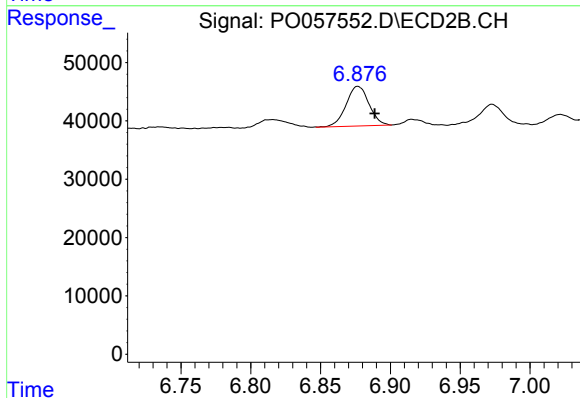
R.T.: 6.411 min  
Delta R.T.: -0.012 min  
Response: 97381  
Conc: 39.89 ng/ml



#34 AR-1260-4

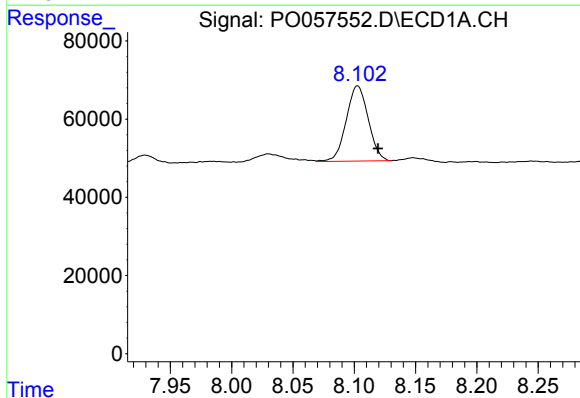
R.T.: 7.796 min  
Delta R.T.: -0.016 min  
Response: 129284  
Conc: 42.63 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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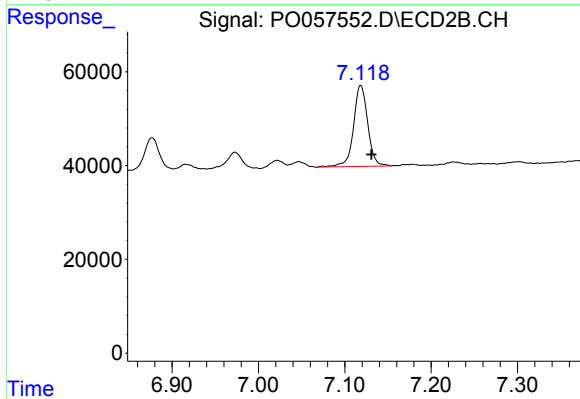
#34 AR-1260-4

R.T.: 6.877 min  
Delta R.T.: -0.012 min  
Response: 77673  
Conc: 37.31 ng/ml



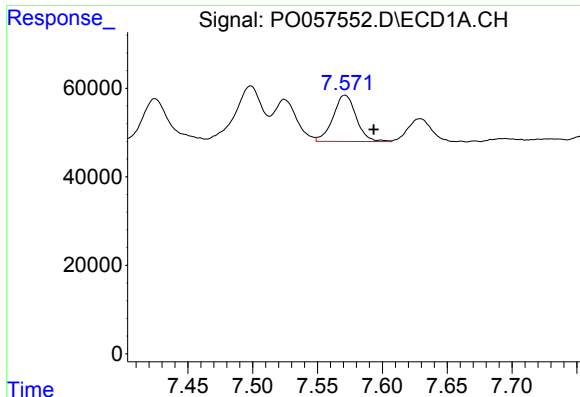
#35 AR-1260-5

R.T.: 8.103 min  
Delta R.T.: -0.017 min  
Response: 240044  
Conc: 38.39 ng/ml



#35 AR-1260-5

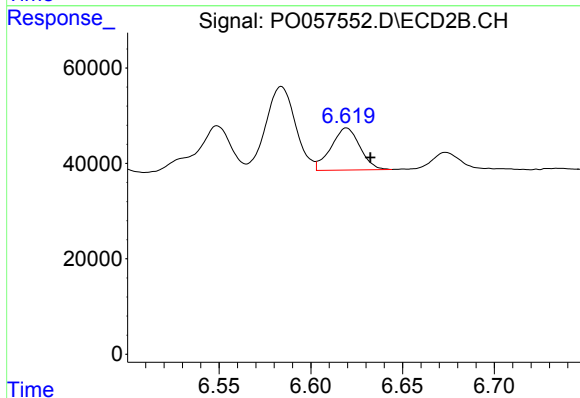
R.T.: 7.118 min  
Delta R.T.: -0.012 min  
Response: 197502  
Conc: 38.94 ng/ml



#36 AR-1262-1

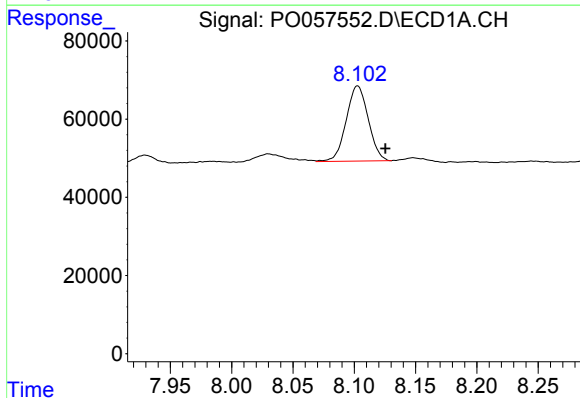
R.T.: 7.571 min  
Delta R.T.: -0.022 min  
Response: 130100  
Conc: 28.63 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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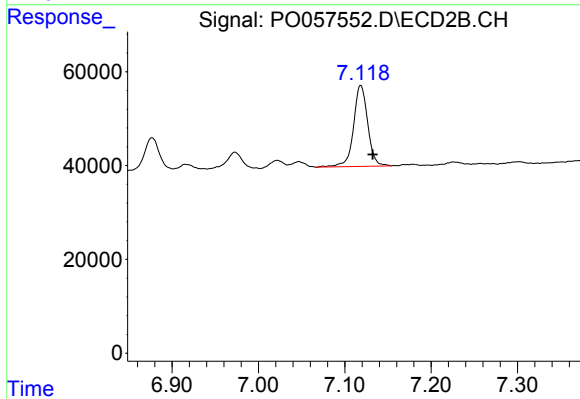
#36 AR-1262-1

R.T.: 6.620 min  
Delta R.T.: -0.013 min  
Response: 96417  
Conc: 25.76 ng/ml



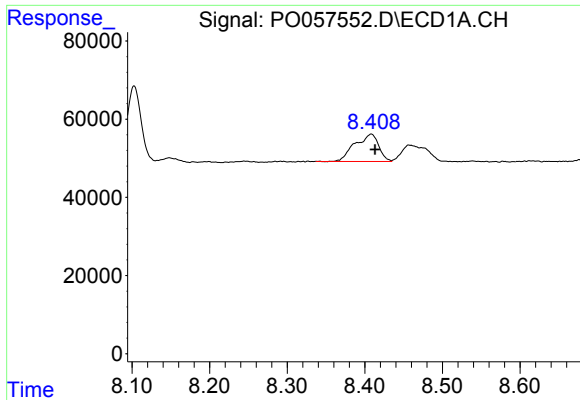
#37 AR-1262-2

R.T.: 8.103 min  
Delta R.T.: -0.023 min  
Response: 240044  
Conc: 33.50 ng/ml



#37 AR-1262-2

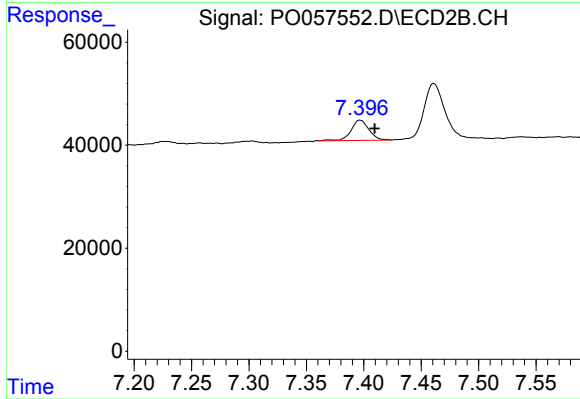
R.T.: 7.118 min  
Delta R.T.: -0.014 min  
Response: 197502  
Conc: 33.24 ng/ml



#38 AR-1262-3

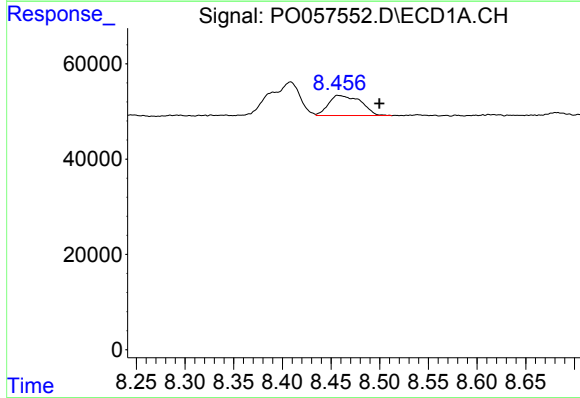
R.T.: 8.408 min  
Delta R.T.: -0.005 min  
Response: 149668  
Conc: 30.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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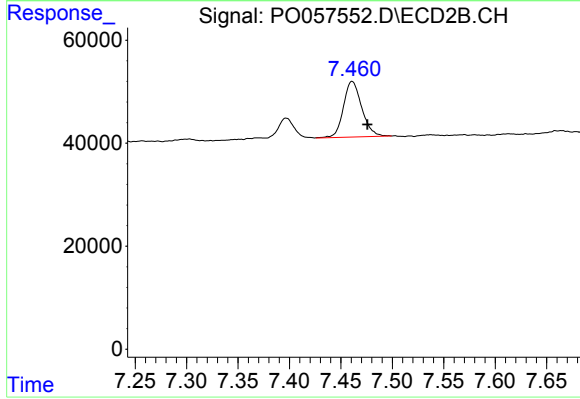
#38 AR-1262-3

R.T.: 7.397 min  
Delta R.T.: -0.013 min  
Response: 42293  
Conc: 16.53 ng/ml



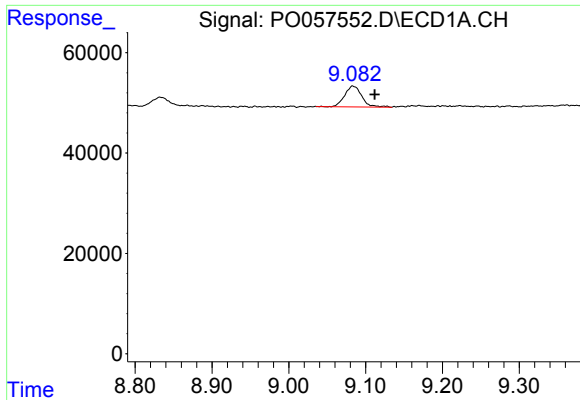
#39 AR-1262-4

R.T.: 8.458 min  
Delta R.T.: -0.042 min  
Response: 97108  
Conc: 23.87 ng/ml



#39 AR-1262-4

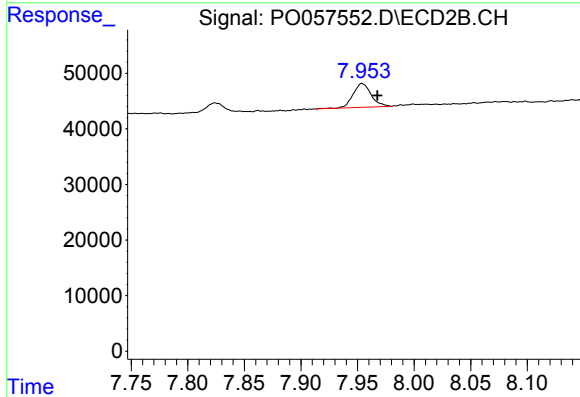
R.T.: 7.461 min  
Delta R.T.: -0.015 min  
Response: 133907  
Conc: 30.38 ng/ml



#40 AR-1262-5

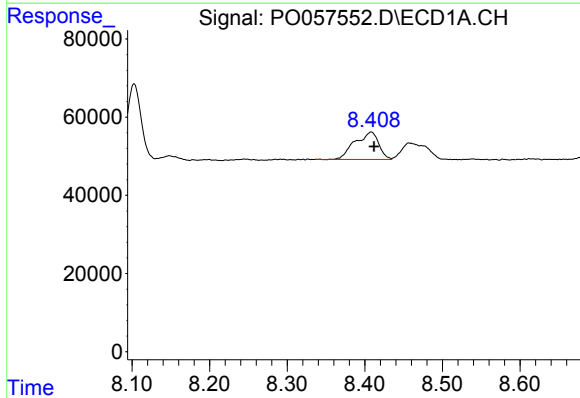
R.T.: 9.083 min  
Delta R.T.: -0.029 min  
Response: 64134  
Conc: 25.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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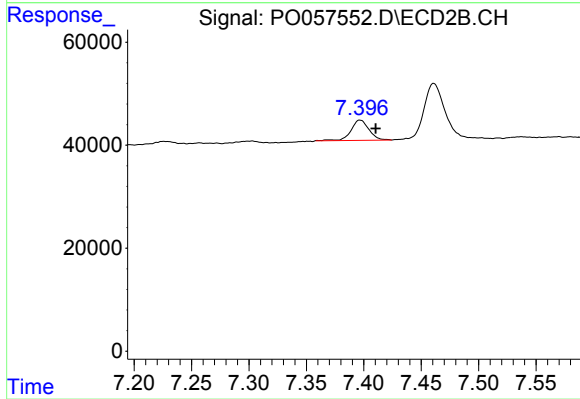
#40 AR-1262-5

R.T.: 7.954 min  
Delta R.T.: -0.013 min  
Response: 47044  
Conc: 25.76 ng/ml



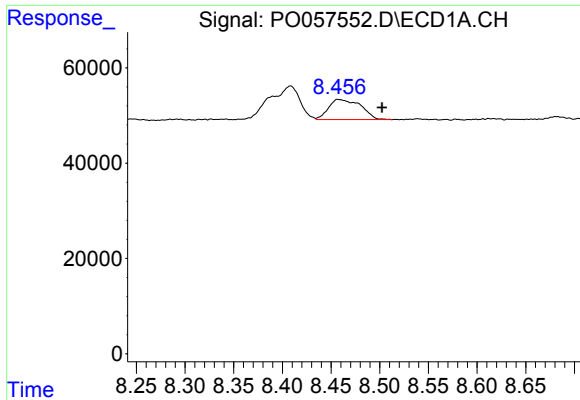
#41 AR-1268-1

R.T.: 8.408 min  
Delta R.T.: -0.004 min  
Response: 149668  
Conc: 17.75 ng/ml



#41 AR-1268-1

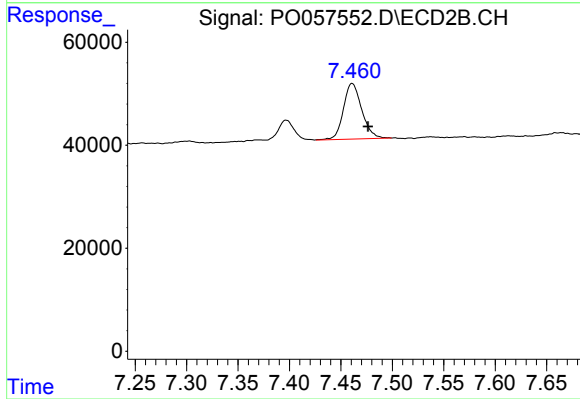
R.T.: 7.397 min  
Delta R.T.: -0.013 min  
Response: 42293  
Conc: 6.18 ng/ml



#42 AR-1268-2

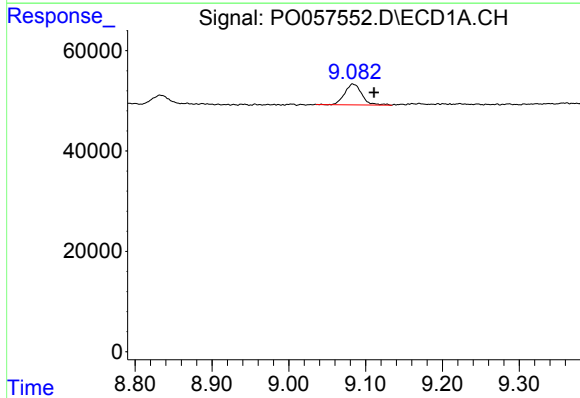
R.T.: 8.458 min  
Delta R.T.: -0.045 min  
Response: 97108  
Conc: 12.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
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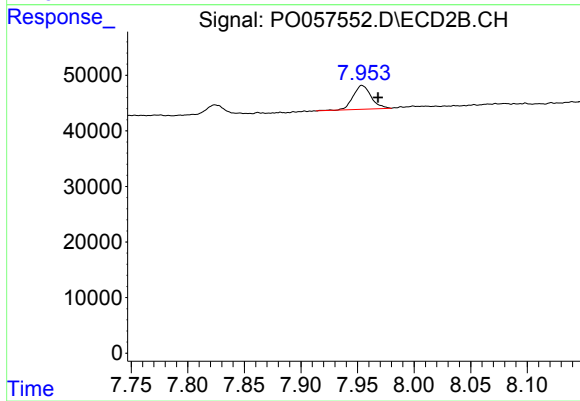
#42 AR-1268-2

R.T.: 7.461 min  
Delta R.T.: -0.015 min  
Response: 133907  
Conc: 21.10 ng/ml



#44 AR-1268-4

R.T.: 9.083 min  
Delta R.T.: -0.028 min  
Response: 64134  
Conc: 24.89 ng/ml



#44 AR-1268-4

R.T.: 7.954 min  
Delta R.T.: -0.014 min  
Response: 47044  
Conc: 23.48 ng/ml