

Data Path : P:\HPCHEM1\ECD\_0\Data\P0020118\  
 Data File : P0041946.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 30 Jan 2018 17:15  
 Operator : SM/UA  
 Sample : J1370-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 15K-5B

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 31 00:21:34 2018  
 Quant Method : P:\HPCHEM1\ECD\_0\P0012318.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 23 01:50:31 2018  
 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...          | 4.119 | 3.362 | 3499023 | 5018445 | 18.129  | 17.288    |
| 2) SA Decachlor...          | 9.519 | 8.159 | 1723883 | 2036459 | 7.337   | 5.695     |
| Target Compounds            |       |       |         |         |         |           |
| 4) L1 AR-1016-2             | 5.402 | 0.000 | 621436  | 0       | 86.642  | N.D. #    |
| 5) L1 AR-1016-3             | 5.402 | 0.000 | 621436  | 0       | 104.281 | N.D. #    |
| 6) L1 AR-1016-4             | 5.670 | 4.776 | 394277  | 896173  | 65.148  | 96.172 #  |
| 7) L1 AR-1016-5             | 0.000 | 4.908 | 0       | 111576  | N.D.    | 11.254 #  |
| 9) L2 AR-1221-2             | 0.000 | 3.645 | 0       | 475678  | N.D.    | 251.474 # |
| 10) L2 AR-1221-3            | 0.000 | 3.775 | 0       | 552800  | N.D.    | 88.394 #  |
| 11) L3 AR-1232-1            | 0.000 | 3.775 | 0       | 552800  | N.D.    | 112.261 # |
| 12) L3 AR-1232-2            | 5.190 | 0.000 | 1323543 | 0       | 502.922 | N.D. #    |
| 13) L3 AR-1232-3            | 0.000 | 4.492 | 0       | 646847  | N.D.    | 156.863 # |
| 14) L3 AR-1232-4            | 5.402 | 0.000 | 621436  | 0       | 225.685 | N.D. #    |
| 15) L3 AR-1232-5            | 5.402 | 0.000 | 621436  | 0       | 295.952 | N.D. #    |
| 16) L4 AR-1242-1            | 0.000 | 4.035 | 0       | 353619  | N.D.    | 139.343 # |
| 18) L4 AR-1242-3            | 5.402 | 0.000 | 621436  | 0       | 169.051 | N.D. #    |
| 19) L4 AR-1242-4            | 5.670 | 0.000 | 394277  | 0       | 104.855 | N.D. #    |
| 20) L4 AR-1242-5            | 0.000 | 4.776 | 0       | 896173  | N.D.    | 154.991 # |
| 21) L5 AR-1248-1            | 5.670 | 4.776 | 394277  | 896173  | 54.522  | 81.977 #  |
| 22) L5 AR-1248-2            | 0.000 | 4.908 | 0       | 111576  | N.D.    | 11.475 #  |
| 23) L5 AR-1248-3            | 6.105 | 5.169 | 436068  | 1736458 | 47.687  | 102.383 # |
| 24) L5 AR-1248-4            | 6.105 | 5.169 | 436068  | 1736458 | 48.662  | 128.603 # |
| 25) L5 AR-1248-5            | 6.345 | 5.696 | 2840239 | 1583111 | 475.446 | 205.453 # |
| 26) L6 AR-1254-1            | 6.293 | 5.169 | 690694  | 1736458 | 49.066  | 93.884 #  |
| 27) L6 AR-1254-2            | 6.554 | 5.358 | 1141282 | 8060766 | 131.221 | 487.463 # |
| 28) L6 AR-1254-3            | 6.647 | 5.696 | 1191473 | 1583111 | 76.874  | 57.542 #  |
| 31) L7 AR-1260-1            | 0.000 | 5.822 | 0       | 831965  | N.D.    | 38.974 #  |
| 32) L7 AR-1260-2            | 7.054 | 6.003 | 590830  | 1203371 | 33.957  | 38.097    |
| 33) L7 AR-1260-3            | 7.338 | 6.153 | 289912  | 382663  | 14.444  | 14.661    |
| 34) L7 AR-1260-4            | 0.000 | 6.325 | 0       | 462011  | N.D.    | 13.550 #  |
| 35) L7 AR-1260-5            | 7.938 | 6.855 | 525783  | 497490  | 19.990  | 9.272 #   |
| 36) L8 AR-1262-1            | 0.000 | 6.003 | 0       | 1203371 | N.D.    | 54.180 #  |
| 37) L8 AR-1262-2            | 7.054 | 6.153 | 590830  | 382663  | 50.747  | 19.028 #  |
| 38) L8 AR-1262-3            | 7.338 | 6.325 | 289912  | 462011  | 25.195  | 12.465 #  |
| 40) L8 AR-1262-5            | 7.938 | 6.855 | 525783  | 497490  | 16.333  | 7.852 #   |
| 41) L9 AR-1268-1            | 8.216 | 7.128 | 487915  | 647111  | 12.912  | 8.830 #   |
| 42) L9 AR-1268-2            | 0.000 | 7.193 | 0       | 745839  | N.D.    | 11.536 #  |
| 43) L9 AR-1268-3            | 8.499 | 7.388 | 358453  | 652637  | 12.662  | 11.943    |
| 45) L9 AR-1268-5            | 9.229 | 7.945 | 957530  | 1286770 | 11.854  | 8.939     |

Data Path : P:\HPCHEM1\ECD\_0\Data\P0020118\  
Data File : P0041946.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 30 Jan 2018 17:15  
Operator : SM/UA  
Sample : J1370-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 31 00:21:34 2018  
Quant Method : P:\HPCHEM1\ECD\_0\P0012318.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 23 01:50:31 2018  
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 |
|----------|------|------|--------|--------|-------|-------|
| -----    |      |      |        |        |       |       |
| -----    |      |      |        |        |       |       |

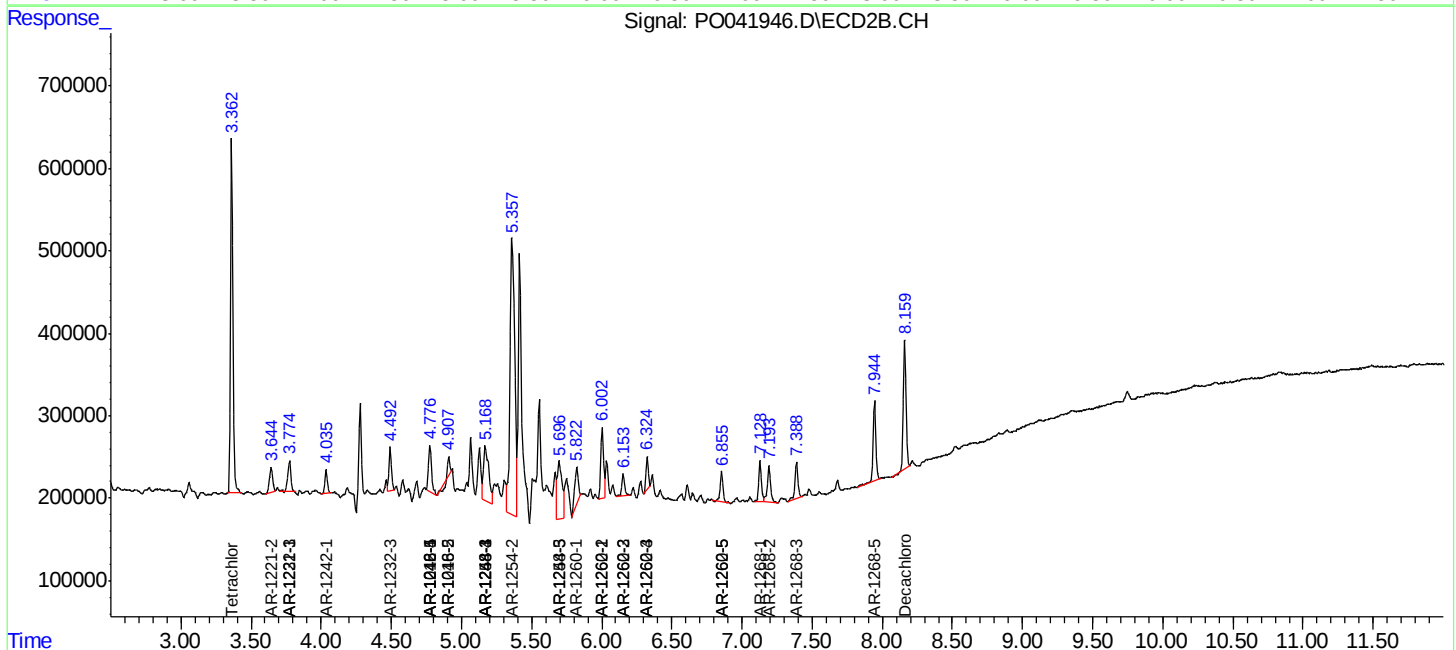
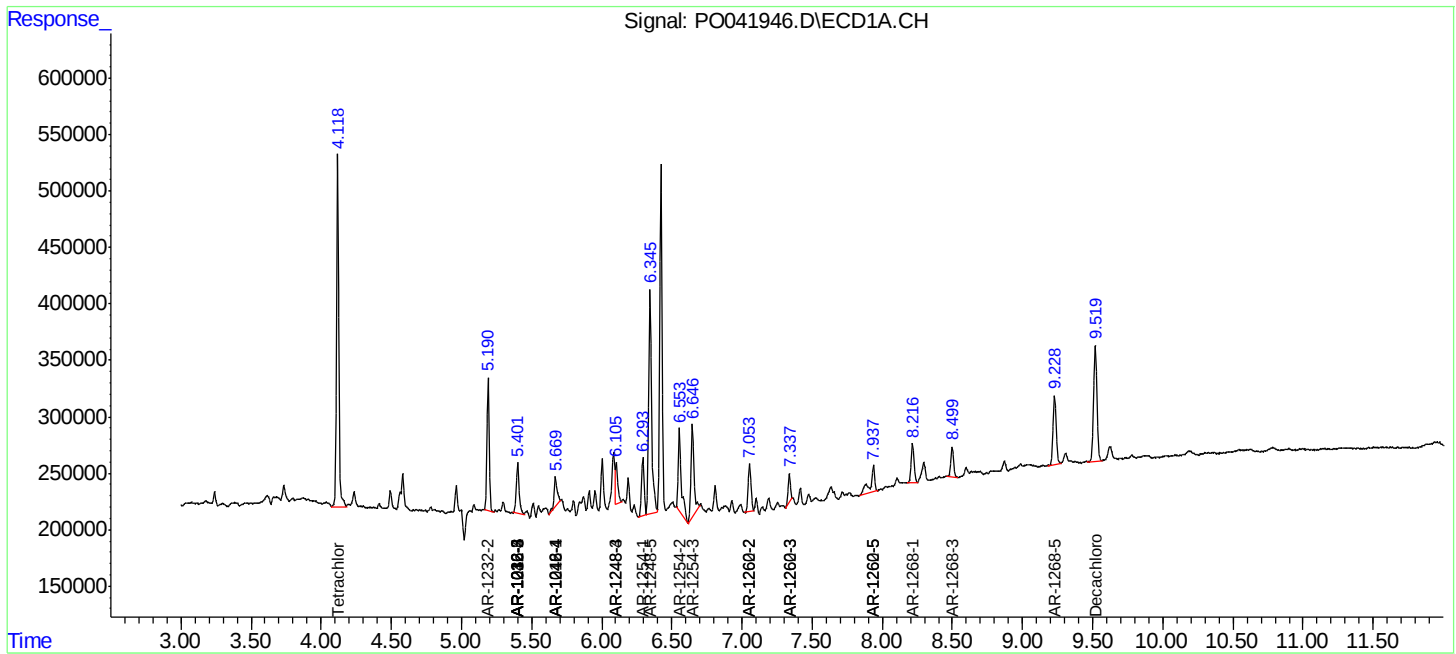
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

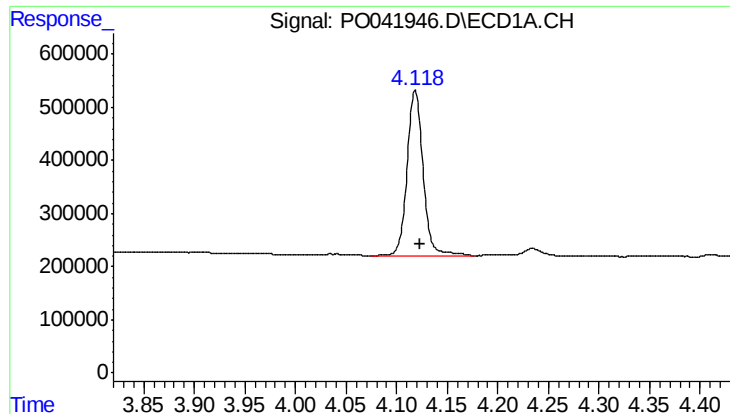
Data Path : P:\HPCHEM1\ECD\_0\Data\PO020118\  
Data File : PO041946.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 30 Jan 2018 17:15  
Operator : SM/UA  
Sample : J1370-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampled :  
15K-5B

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 31 00:21:34 2018  
Quant Method : P:\HPCHEM1\ECD\_0\PO012318.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 23 01:50:31 2018  
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

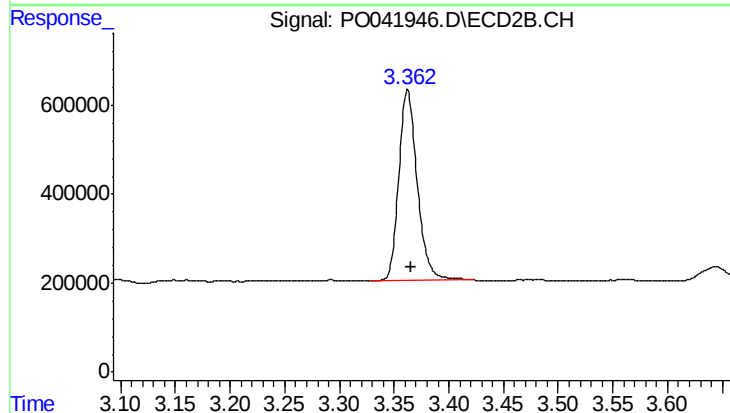




#1 Tetrachloro-m-xylene

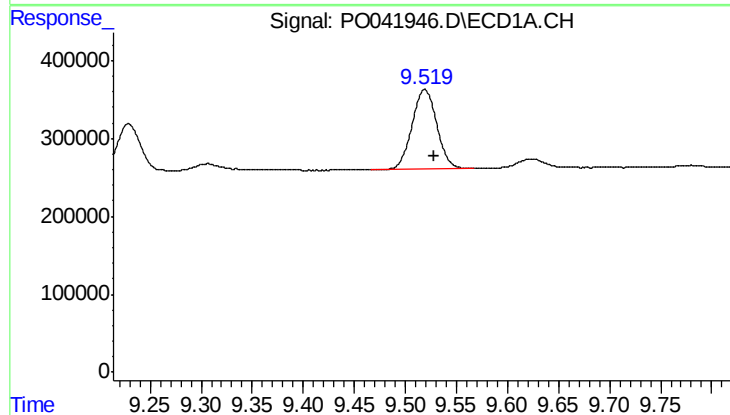
R.T.: 4.119 min  
Delta R.T.: -0.005 min  
Response: 3499023  
Conc: 18.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



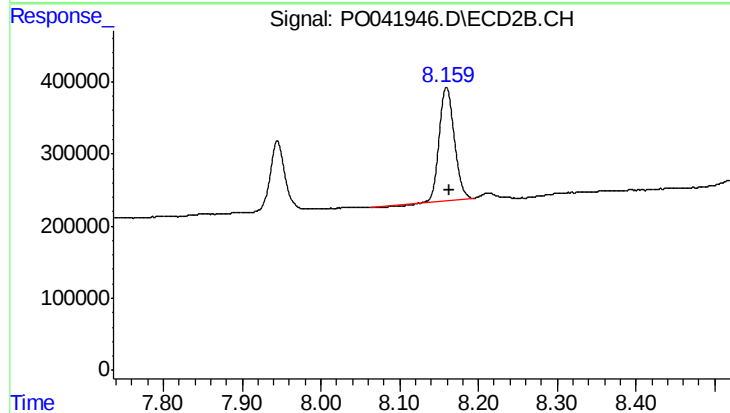
#1 Tetrachloro-m-xylene

R.T.: 3.362 min  
Delta R.T.: -0.004 min  
Response: 5018445  
Conc: 17.29 ng/ml



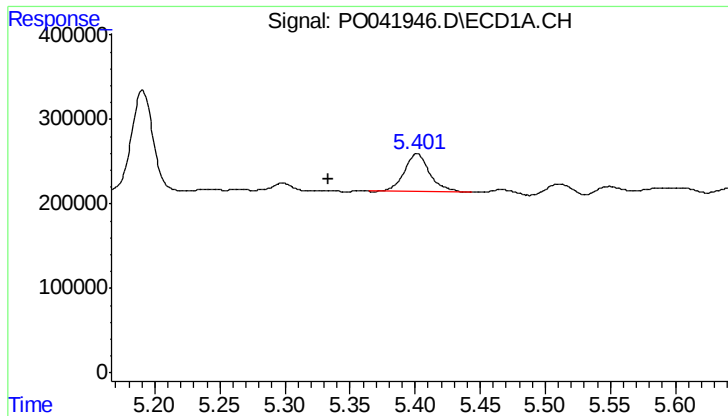
#2 Decachlorobiphenyl

R.T.: 9.519 min  
Delta R.T.: -0.010 min  
Response: 1723883  
Conc: 7.34 ng/ml



#2 Decachlorobiphenyl

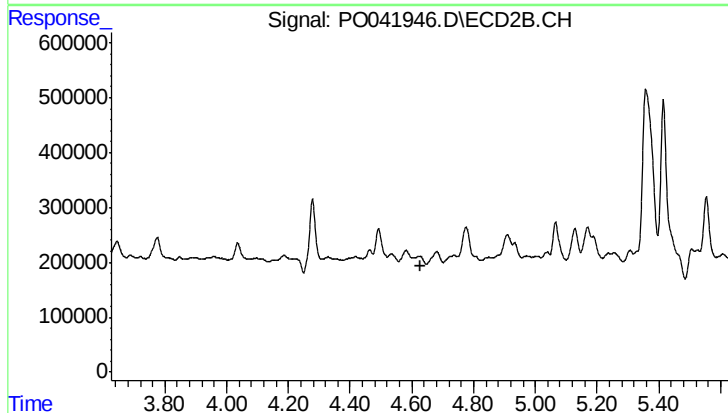
R.T.: 8.159 min  
Delta R.T.: -0.003 min  
Response: 2036459  
Conc: 5.69 ng/ml



#4 AR-1016-2

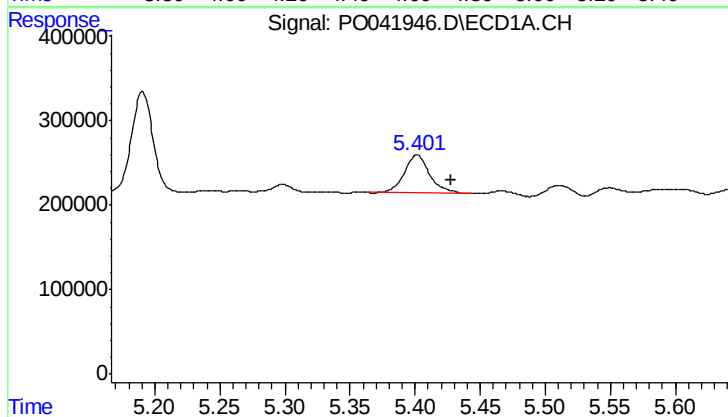
R.T.: 5.402 min  
Delta R.T.: 0.068 min  
Response: 621436  
Conc: 86.64 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



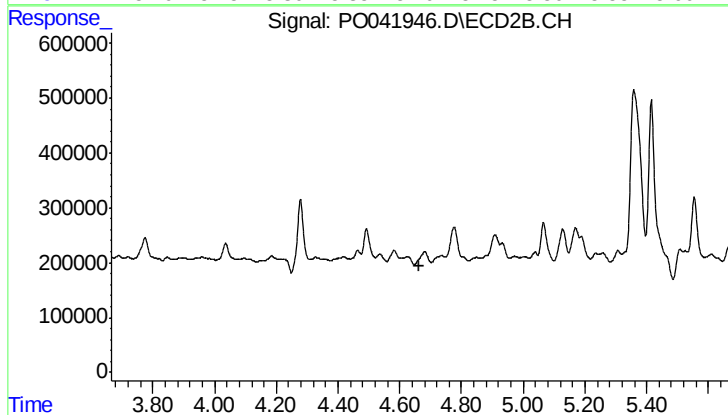
#4 AR-1016-2

R.T.: 0.000 min  
Exp R.T.: 4.627 min  
Response: 0  
Conc: N.D.



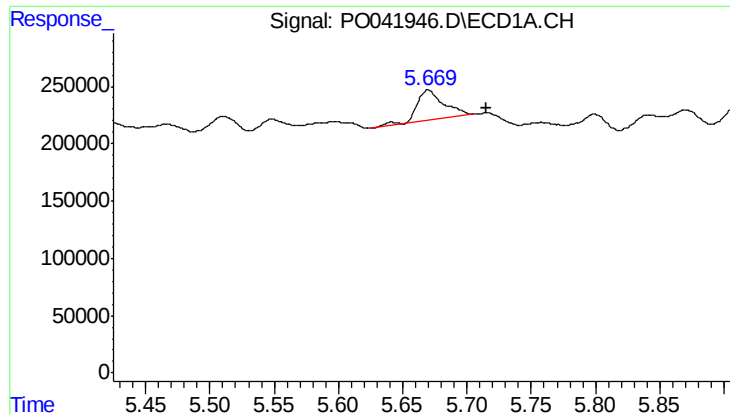
#5 AR-1016-3

R.T.: 5.402 min  
Delta R.T.: -0.027 min  
Response: 621436  
Conc: 104.28 ng/ml



#5 AR-1016-3

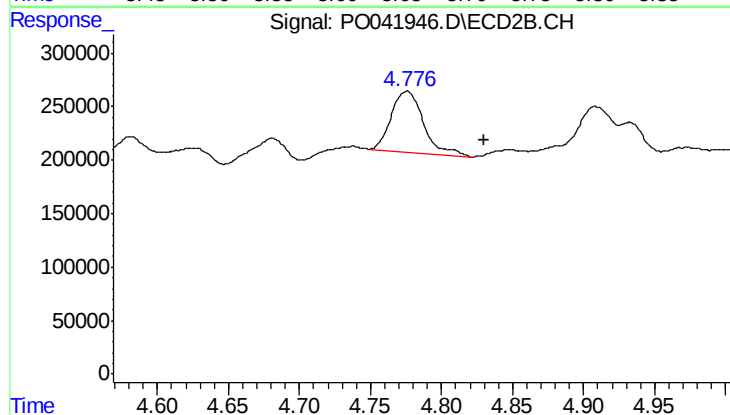
R.T.: 0.000 min  
Exp R.T.: 4.665 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

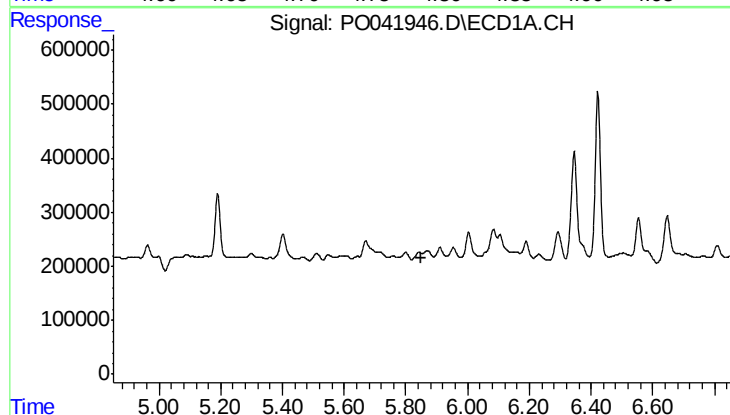
R.T.: 5.670 min  
Delta R.T.: -0.046 min  
Response: 394277  
Conc: 65.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



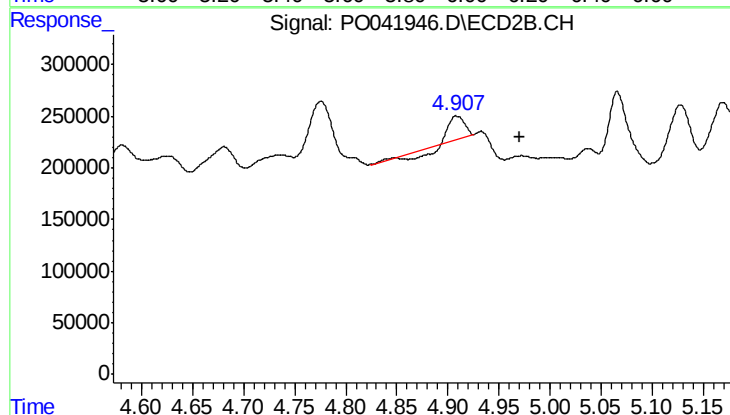
#6 AR-1016-4

R.T.: 4.776 min  
Delta R.T.: -0.054 min  
Response: 896173  
Conc: 96.17 ng/ml



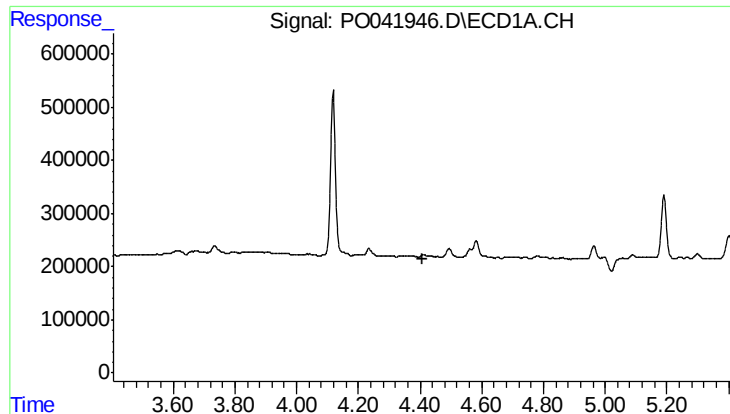
#7 AR-1016-5

R.T.: 0.000 min  
Exp R.T.: 5.852 min  
Response: 0  
Conc: N.D.



#7 AR-1016-5

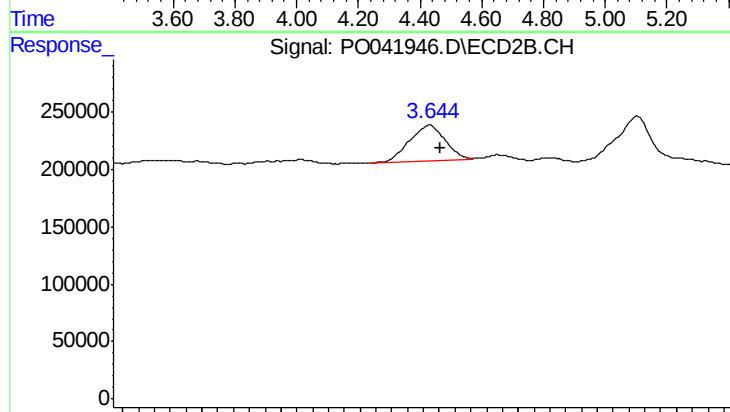
R.T.: 4.908 min  
Delta R.T.: -0.062 min  
Response: 111576  
Conc: 11.25 ng/ml



#9 AR-1221-2

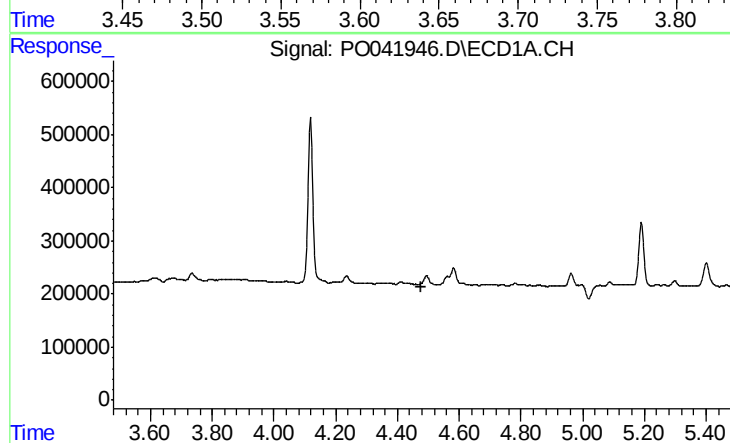
R.T.: 0.000 min  
Exp R.T.: 4.406 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



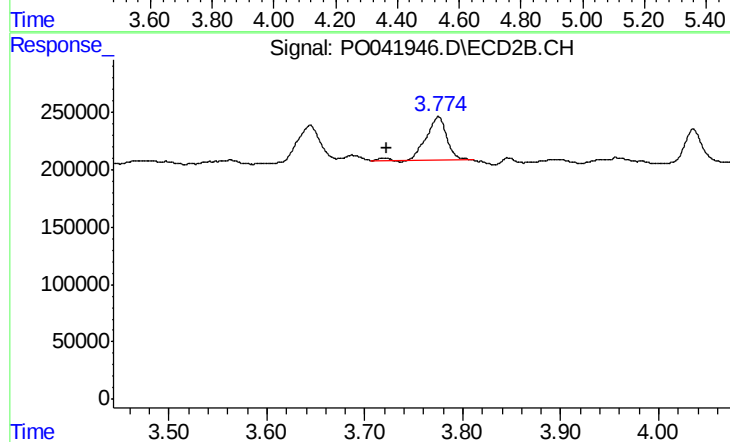
#9 AR-1221-2

R.T.: 3.645 min  
Delta R.T.: -0.006 min  
Response: 475678  
Conc: 251.47 ng/ml



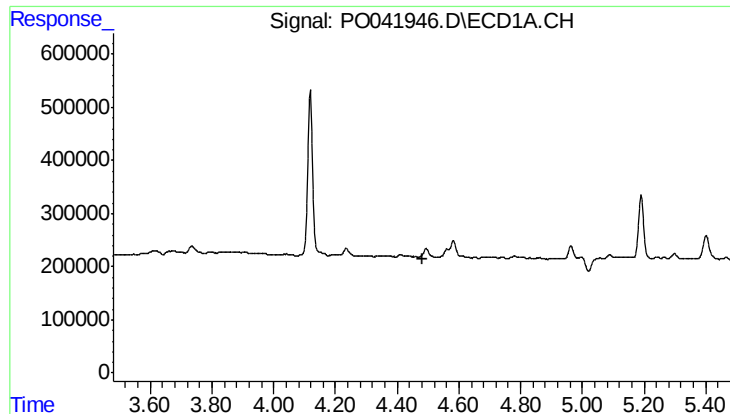
#10 AR-1221-3

R.T.: 0.000 min  
Exp R.T.: 4.479 min  
Response: 0  
Conc: N.D.



#10 AR-1221-3

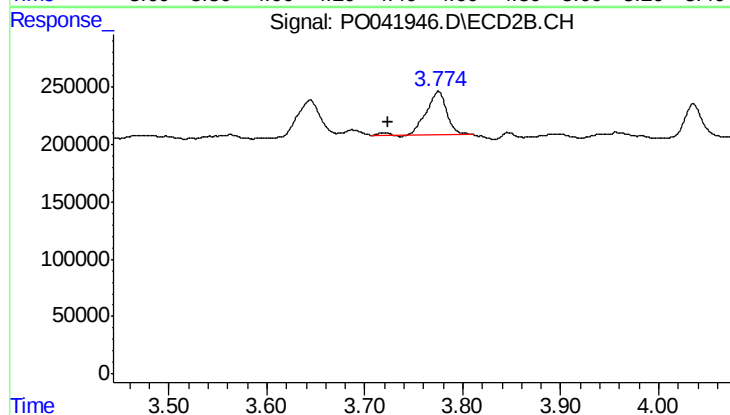
R.T.: 3.775 min  
Delta R.T.: 0.053 min  
Response: 552800  
Conc: 88.39 ng/ml



#11 AR-1232-1

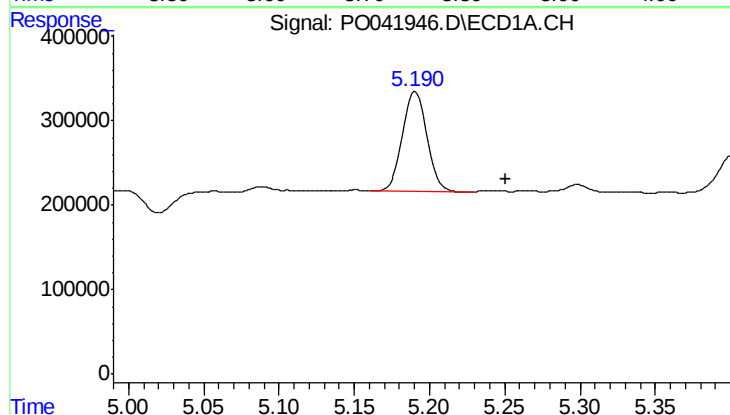
R.T.: 0.000 min  
Exp R.T.: 4.480 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



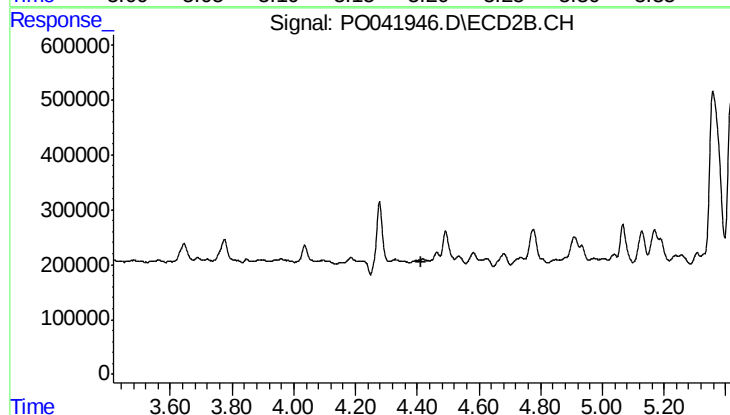
#11 AR-1232-1

R.T.: 3.775 min  
Delta R.T.: 0.051 min  
Response: 552800  
Conc: 112.26 ng/ml



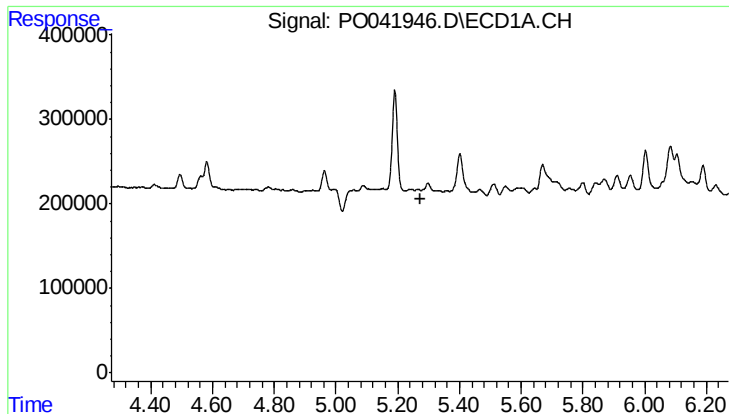
#12 AR-1232-2

R.T.: 5.190 min  
Delta R.T.: -0.061 min  
Response: 1323543  
Conc: 502.92 ng/ml



#12 AR-1232-2

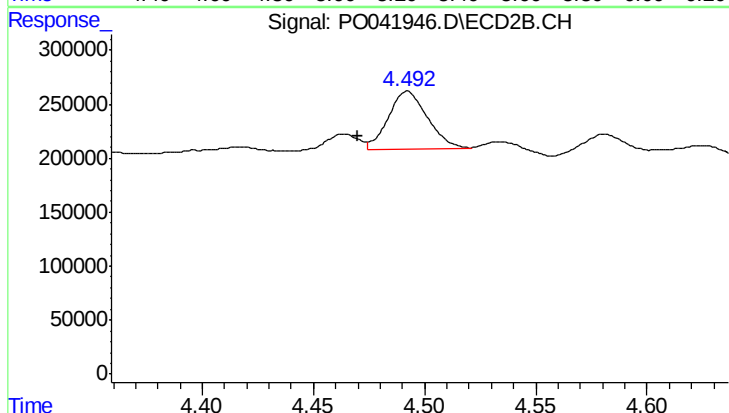
R.T.: 0.000 min  
Exp R.T.: 4.415 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

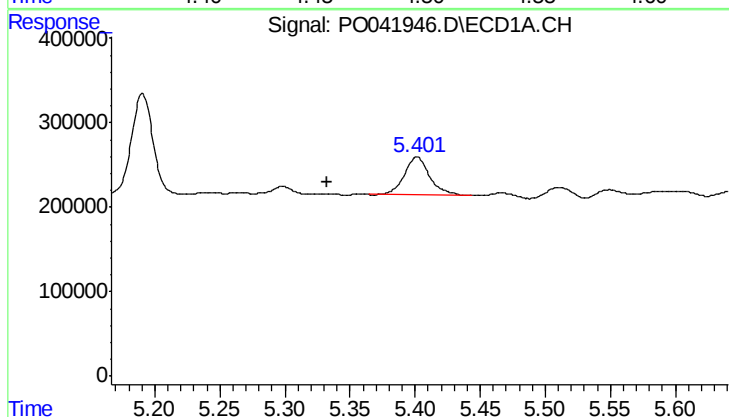
R.T.: 0.000 min  
Exp R.T.: 5.272 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



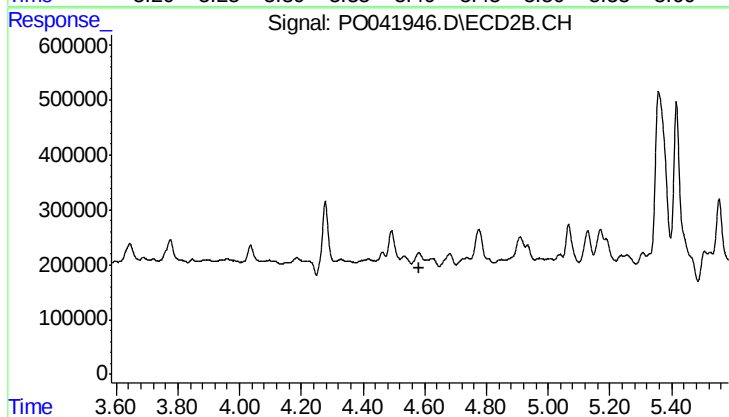
#13 AR-1232-3

R.T.: 4.492 min  
Delta R.T.: 0.022 min  
Response: 646847  
Conc: 156.86 ng/ml



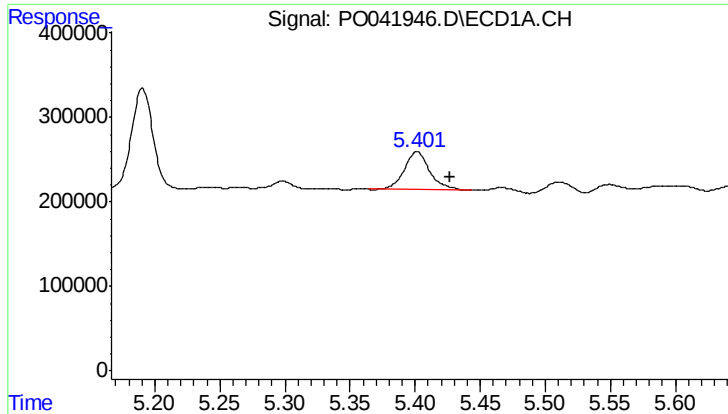
#14 AR-1232-4

R.T.: 5.402 min  
Delta R.T.: 0.069 min  
Response: 621436  
Conc: 225.69 ng/ml



#14 AR-1232-4

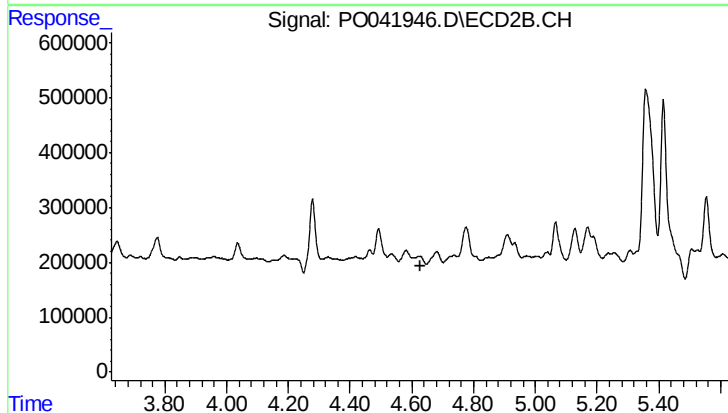
R.T.: 0.000 min  
Exp R.T.: 4.584 min  
Response: 0  
Conc: N.D.



#15 AR-1232-5

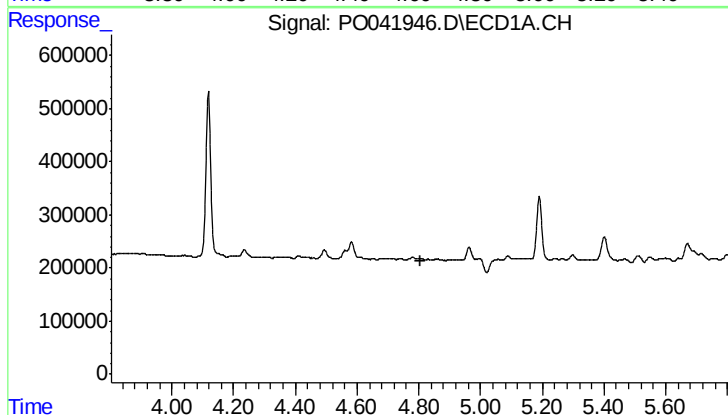
R.T.: 5.402 min  
Delta R.T.: -0.026 min  
Response: 621436  
Conc: 295.95 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



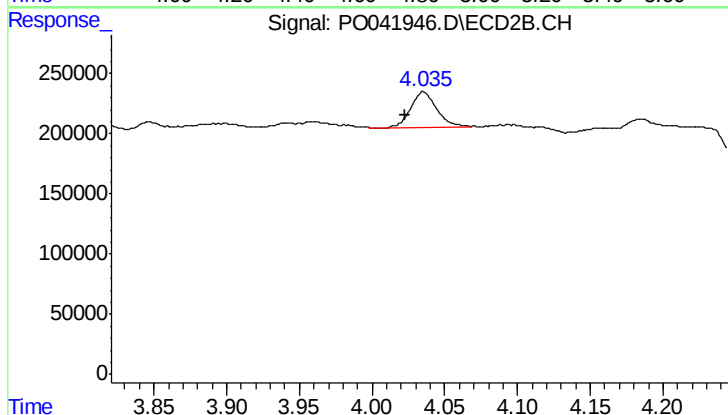
#15 AR-1232-5

R.T.: 0.000 min  
Exp R.T.: 4.626 min  
Response: 0  
Conc: N.D.



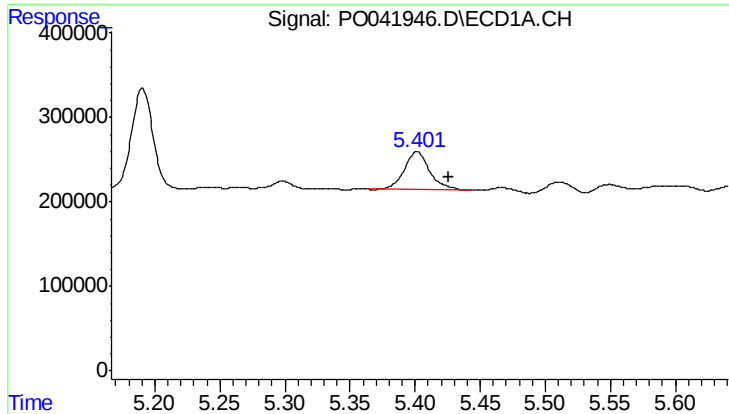
#16 AR-1242-1

R.T.: 0.000 min  
Exp R.T.: 4.804 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

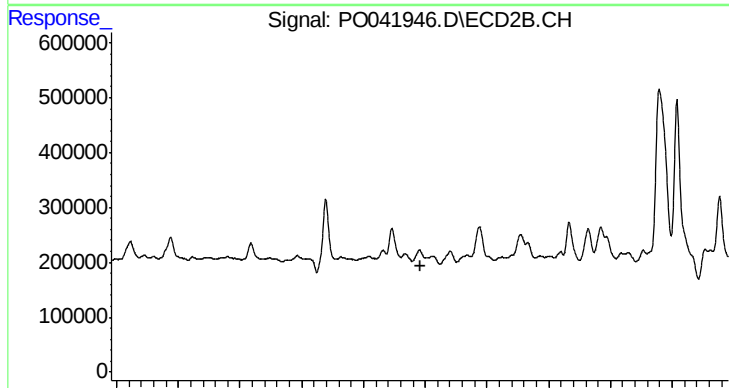
R.T.: 4.035 min  
Delta R.T.: 0.013 min  
Response: 353619  
Conc: 139.34 ng/ml



#18 AR-1242-3

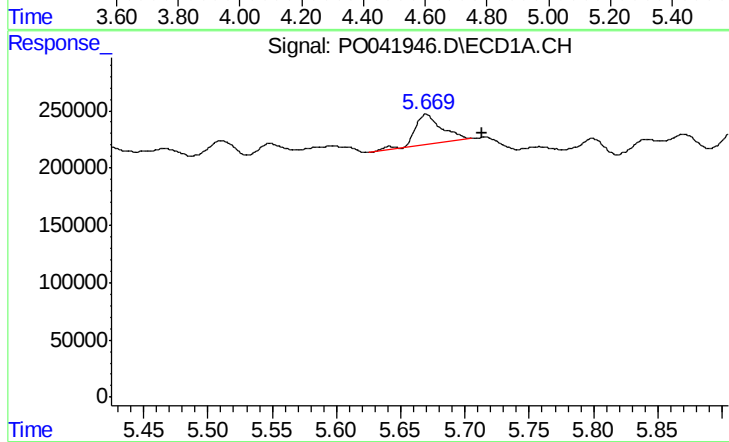
R.T.: 5.402 min  
Delta R.T.: -0.024 min  
Response: 621436  
Conc: 169.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



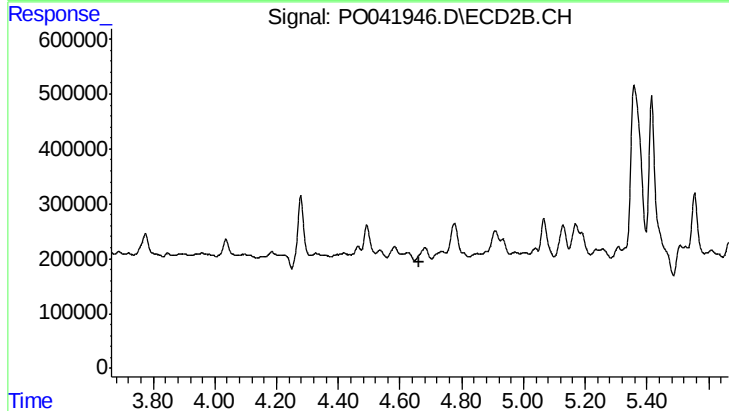
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T.: 4.583 min  
Response: 0  
Conc: N.D.



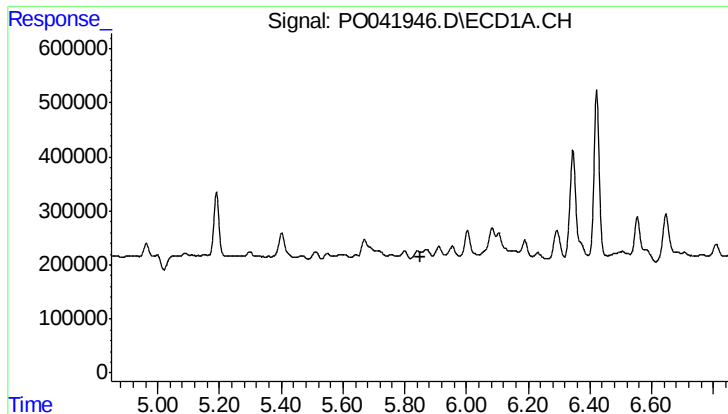
#19 AR-1242-4

R.T.: 5.670 min  
Delta R.T.: -0.044 min  
Response: 394277  
Conc: 104.86 ng/ml



#19 AR-1242-4

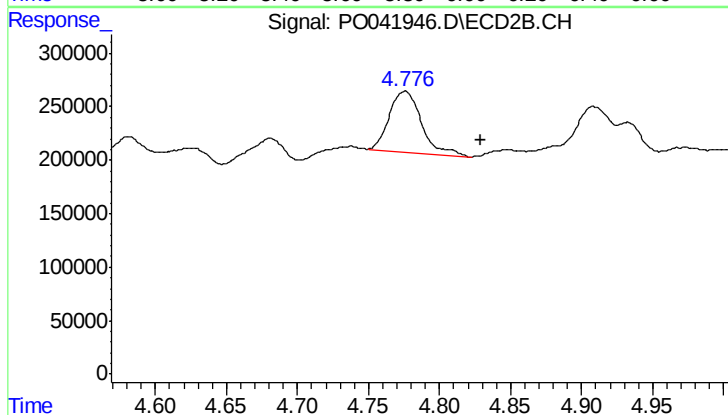
R.T.: 0.000 min  
Exp R.T.: 4.664 min  
Response: 0  
Conc: N.D.



#20 AR-1242-5

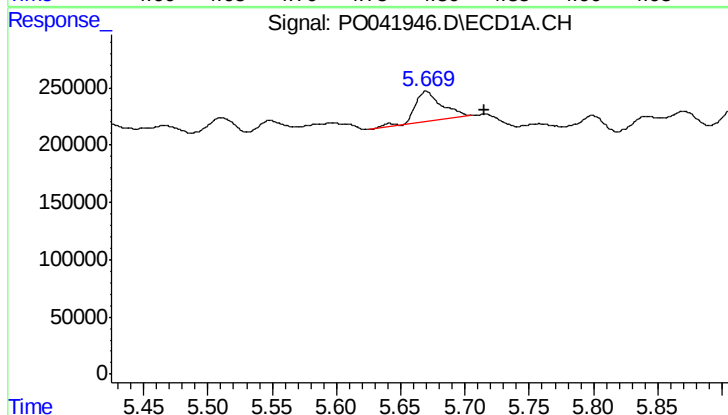
R.T.: 0.000 min  
Exp R.T.: 5.850 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



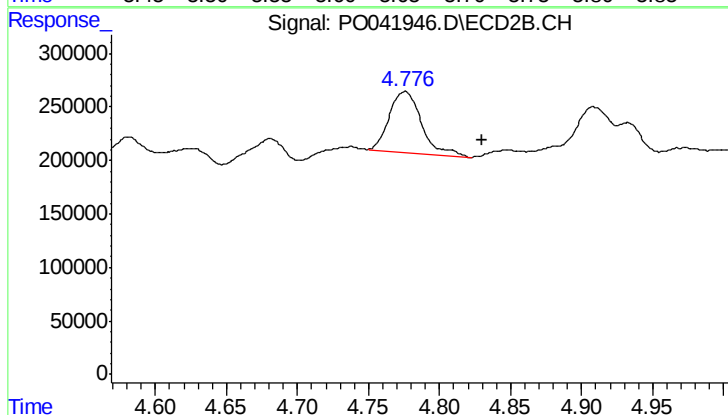
#20 AR-1242-5

R.T.: 4.776 min  
Delta R.T.: -0.053 min  
Response: 896173  
Conc: 154.99 ng/ml



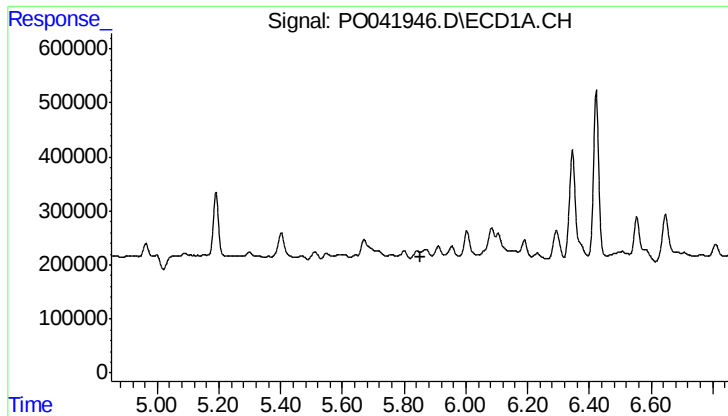
#21 AR-1248-1

R.T.: 5.670 min  
Delta R.T.: -0.045 min  
Response: 394277  
Conc: 54.52 ng/ml



#21 AR-1248-1

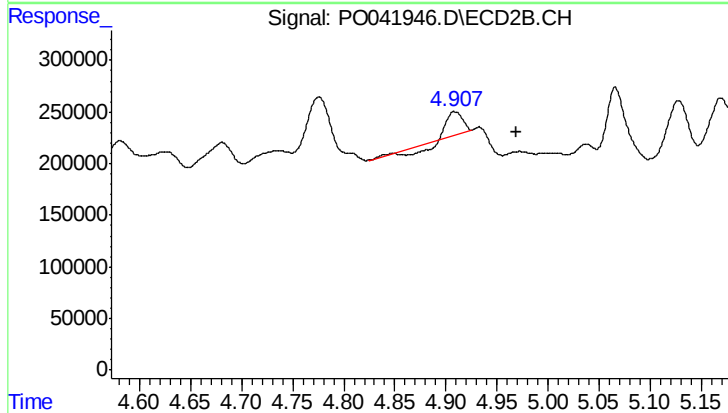
R.T.: 4.776 min  
Delta R.T.: -0.053 min  
Response: 896173  
Conc: 81.98 ng/ml



#22 AR-1248-2

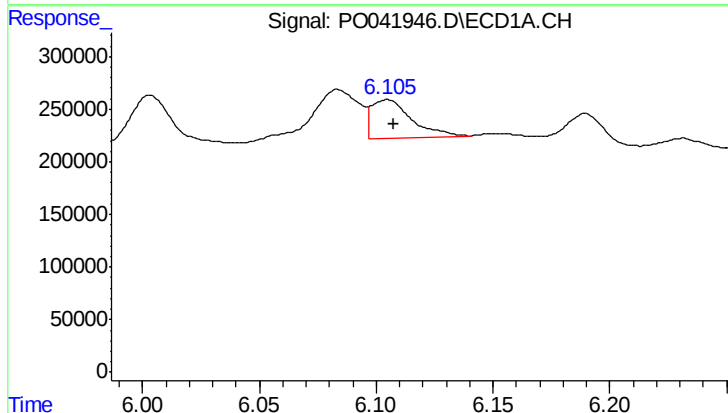
R.T.: 0.000 min  
Exp R.T.: 5.851 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



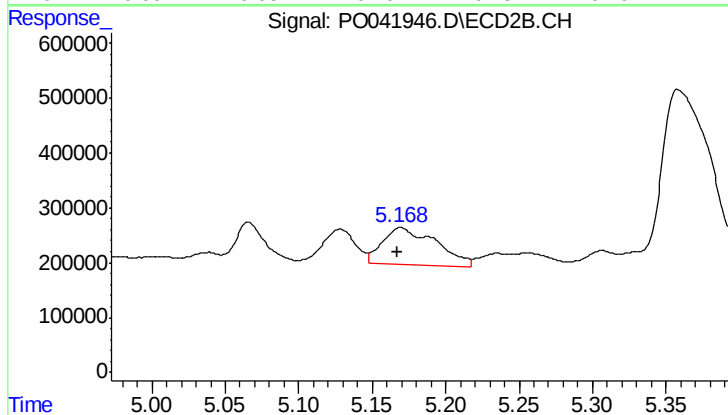
#22 AR-1248-2

R.T.: 4.908 min  
Delta R.T.: -0.061 min  
Response: 111576  
Conc: 11.47 ng/ml



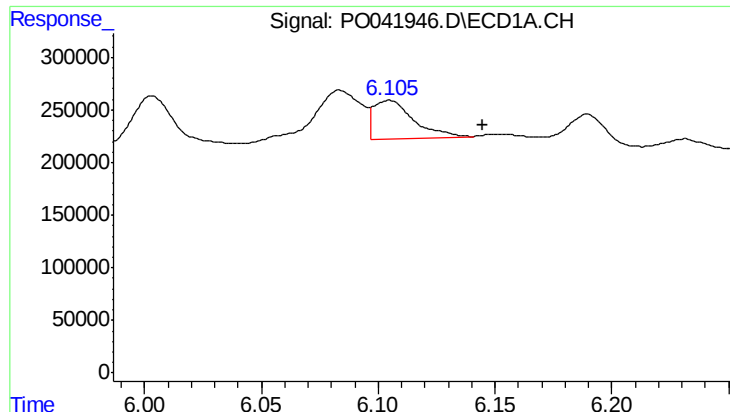
#23 AR-1248-3

R.T.: 6.105 min  
Delta R.T.: -0.003 min  
Response: 436068  
Conc: 47.69 ng/ml



#23 AR-1248-3

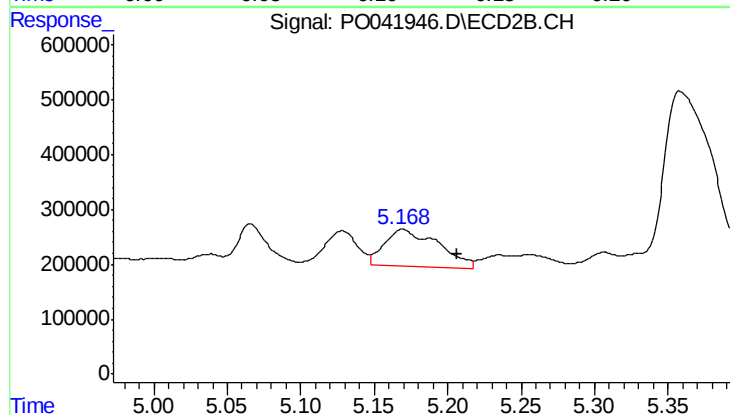
R.T.: 5.169 min  
Delta R.T.: 0.002 min  
Response: 1736458  
Conc: 102.38 ng/ml



#24 AR-1248-4

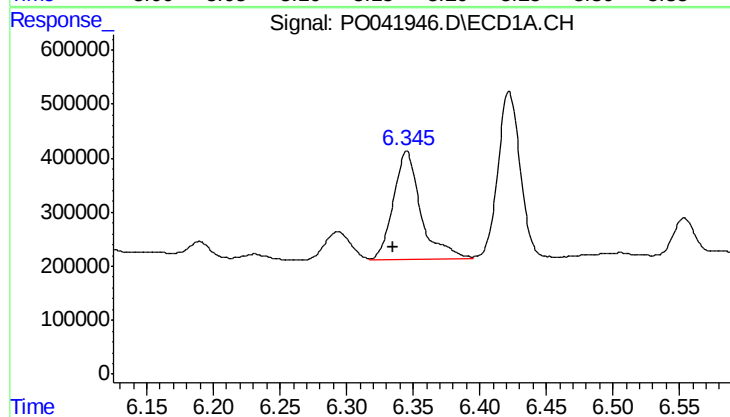
R.T.: 6.105 min  
Delta R.T.: -0.040 min  
Response: 436068  
Conc: 48.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



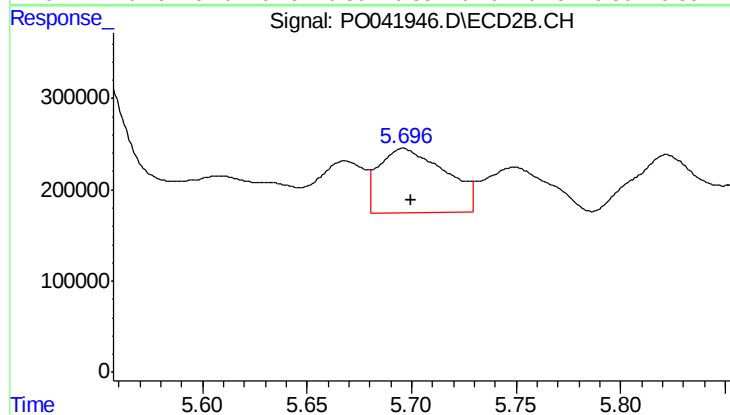
#24 AR-1248-4

R.T.: 5.169 min  
Delta R.T.: -0.037 min  
Response: 1736458  
Conc: 128.60 ng/ml



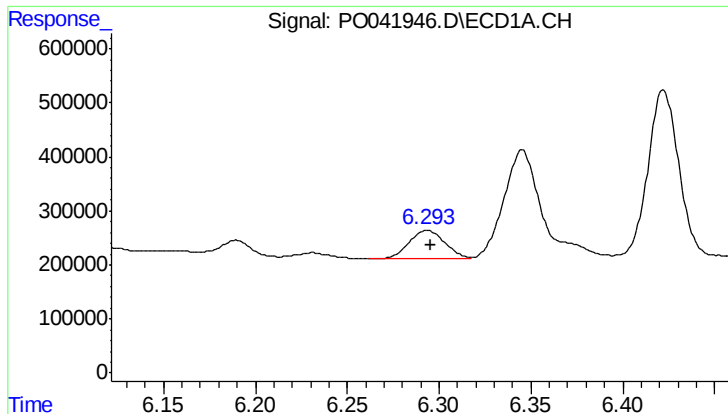
#25 AR-1248-5

R.T.: 6.345 min  
Delta R.T.: 0.010 min  
Response: 2840239  
Conc: 475.45 ng/ml



#25 AR-1248-5

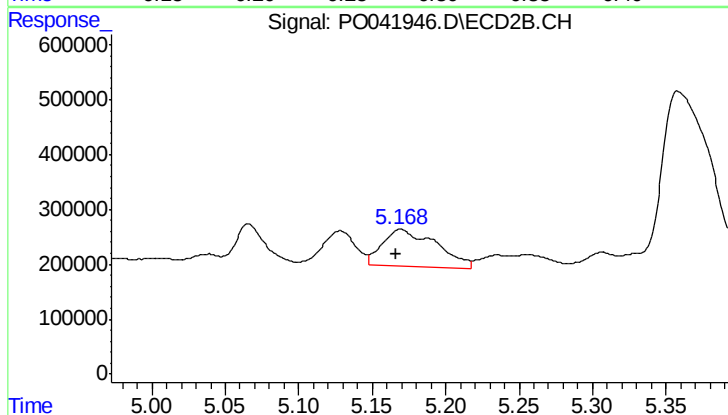
R.T.: 5.696 min  
Delta R.T.: -0.004 min  
Response: 1583111  
Conc: 205.45 ng/ml



#26 AR-1254-1

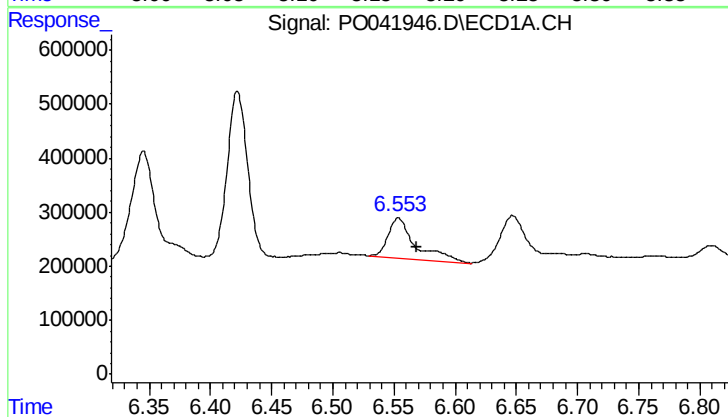
R.T.: 6.293 min  
Delta R.T.: -0.002 min  
Response: 690694  
Conc: 49.07 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



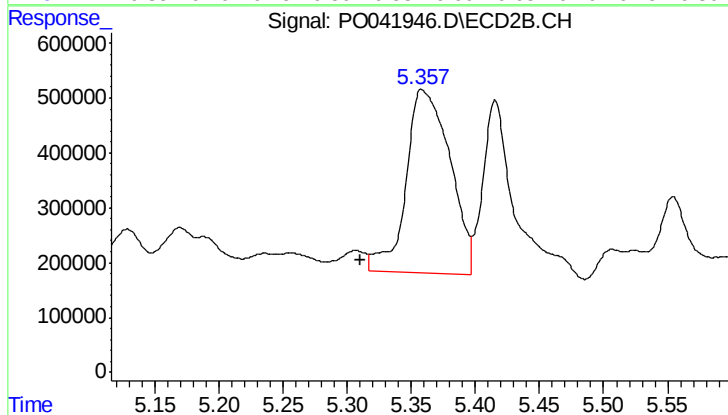
#26 AR-1254-1

R.T.: 5.169 min  
Delta R.T.: 0.002 min  
Response: 1736458  
Conc: 93.88 ng/ml



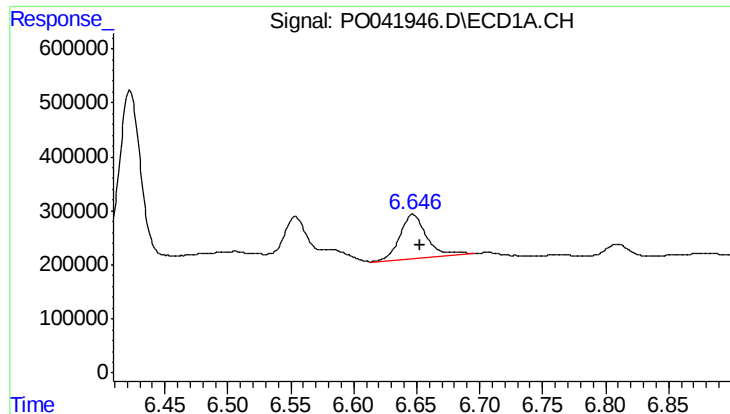
#27 AR-1254-2

R.T.: 6.554 min  
Delta R.T.: -0.015 min  
Response: 1141282  
Conc: 131.22 ng/ml



#27 AR-1254-2

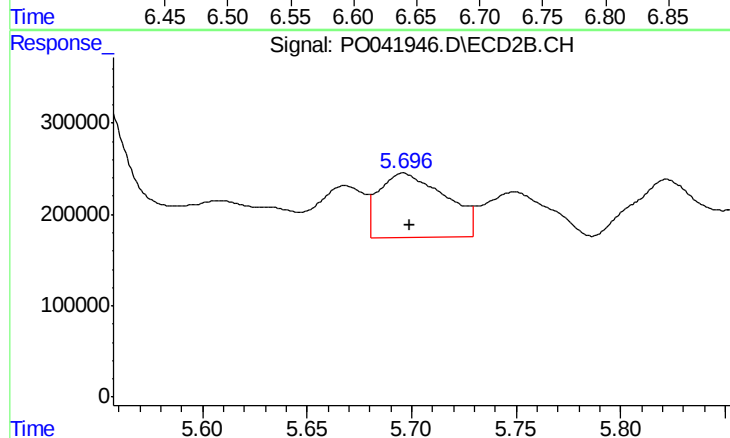
R.T.: 5.358 min  
Delta R.T.: 0.048 min  
Response: 8060766  
Conc: 487.46 ng/ml



#28 AR-1254-3

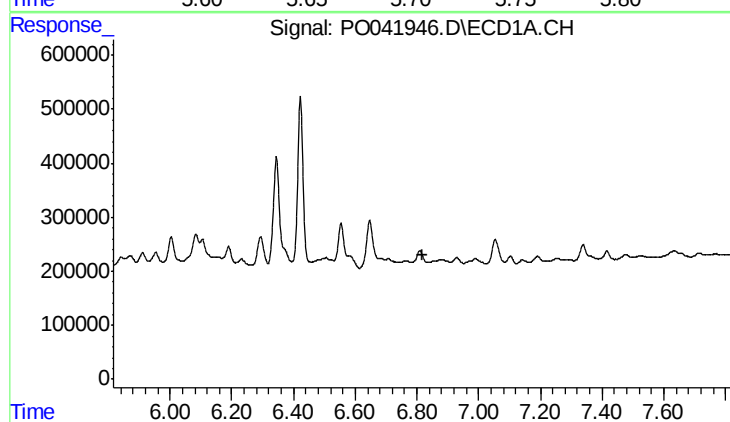
R.T.: 6.647 min  
Delta R.T.: -0.005 min  
Response: 1191473  
Conc: 76.87 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



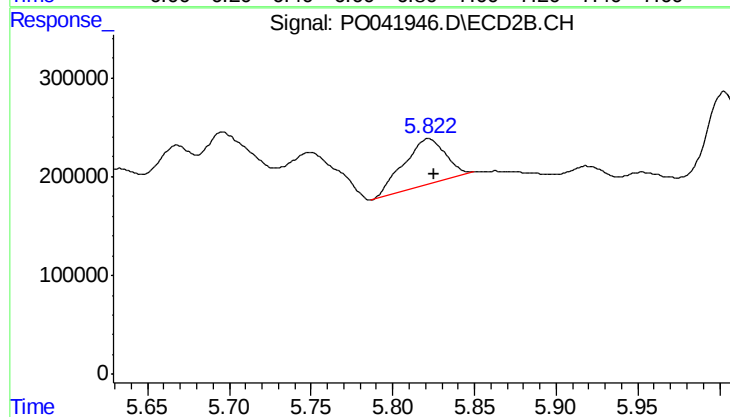
#28 AR-1254-3

R.T.: 5.696 min  
Delta R.T.: -0.003 min  
Response: 1583111  
Conc: 57.54 ng/ml



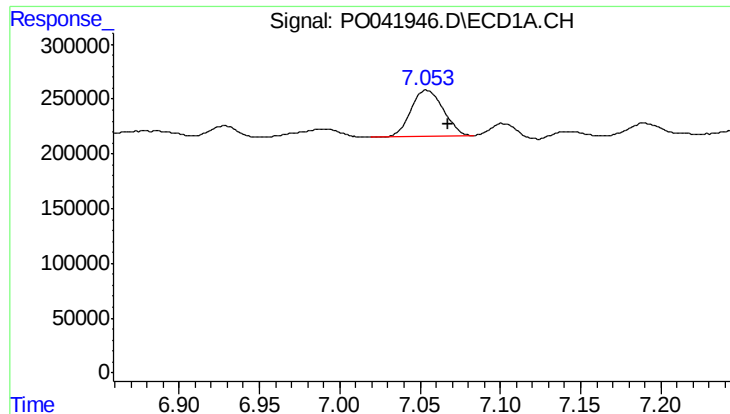
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T.: 6.816 min  
Response: 0  
Conc: N.D.



#31 AR-1260-1

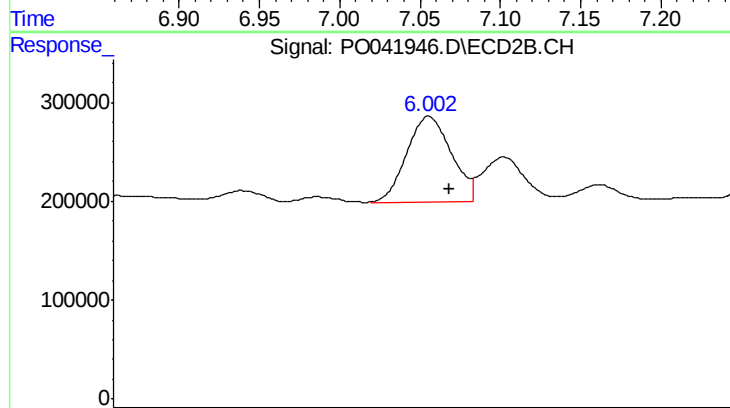
R.T.: 5.822 min  
Delta R.T.: -0.004 min  
Response: 831965  
Conc: 38.97 ng/ml



#32 AR-1260-2

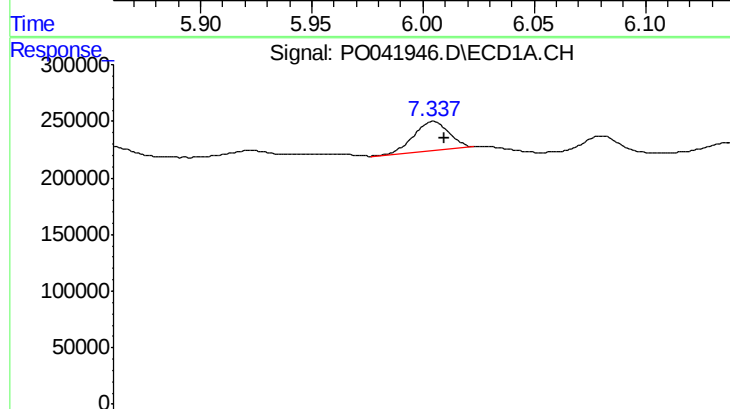
R.T.: 7.054 min  
Delta R.T.: -0.014 min  
Response: 590830  
Conc: 33.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



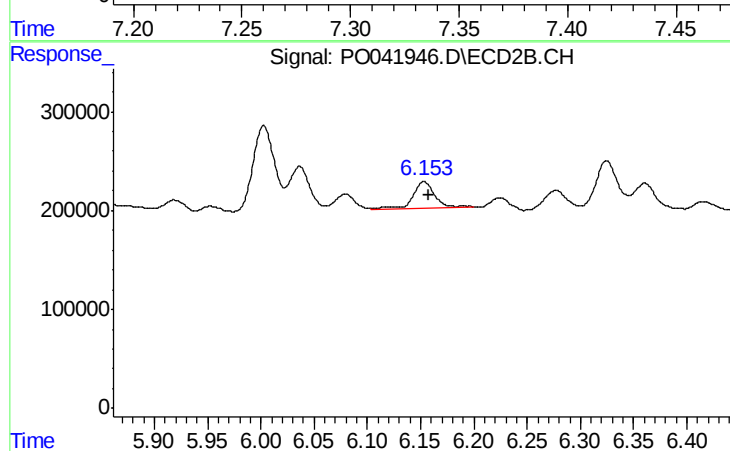
#32 AR-1260-2

R.T.: 6.003 min  
Delta R.T.: -0.009 min  
Response: 1203371  
Conc: 38.10 ng/ml



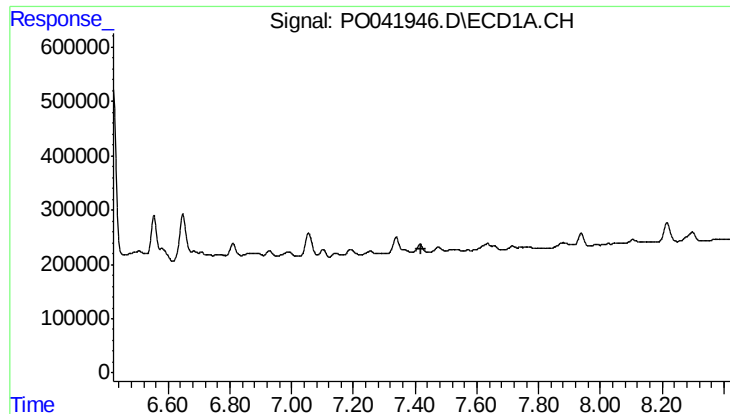
#33 AR-1260-3

R.T.: 7.338 min  
Delta R.T.: -0.005 min  
Response: 289912  
Conc: 14.44 ng/ml



#33 AR-1260-3

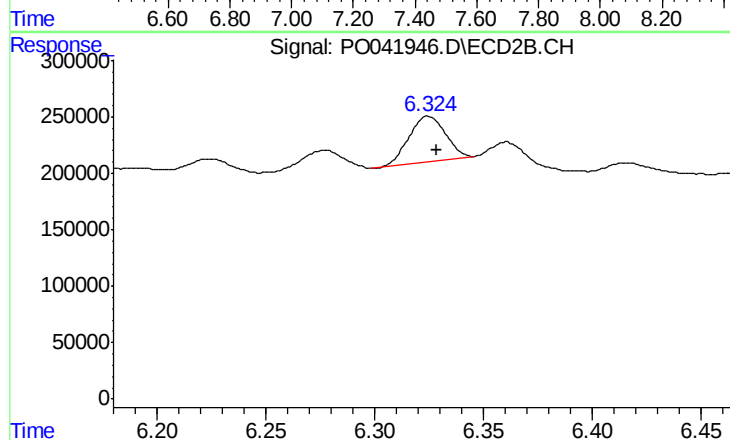
R.T.: 6.153 min  
Delta R.T.: -0.004 min  
Response: 382663  
Conc: 14.66 ng/ml



#34 AR-1260-4

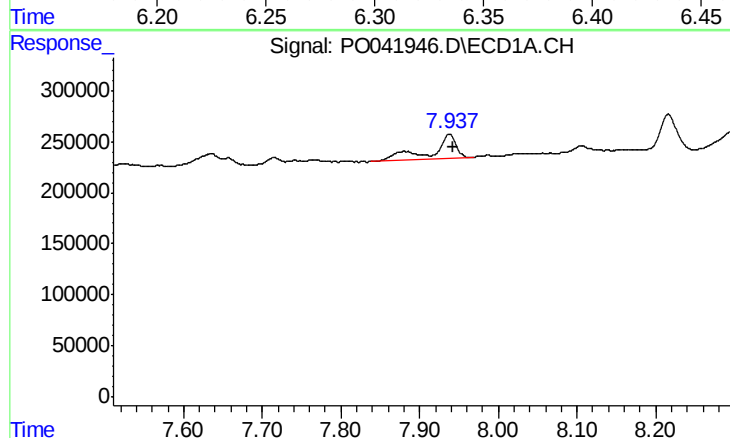
R.T.: 0.000 min  
Exp R.T.: 7.422 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



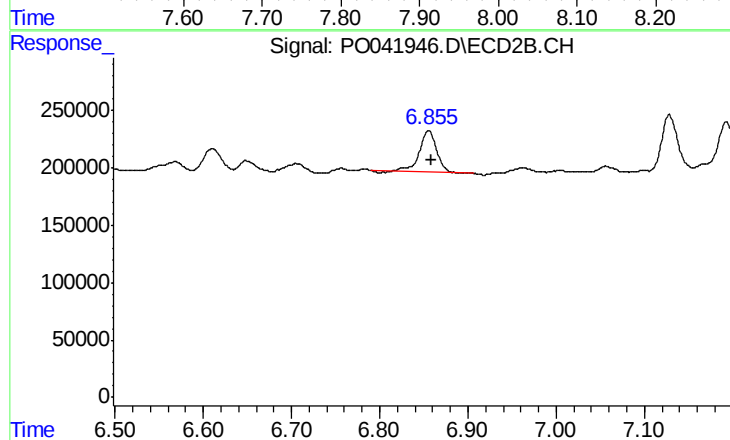
#34 AR-1260-4

R.T.: 6.325 min  
Delta R.T.: -0.004 min  
Response: 462011  
Conc: 13.55 ng/ml



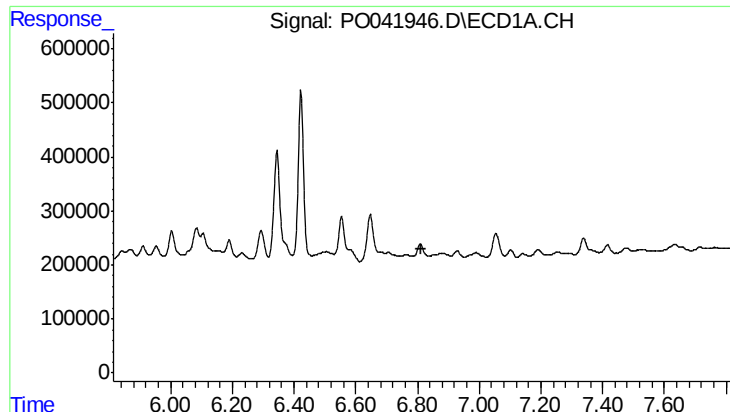
#35 AR-1260-5

R.T.: 7.938 min  
Delta R.T.: -0.005 min  
Response: 525783  
Conc: 19.99 ng/ml



#35 AR-1260-5

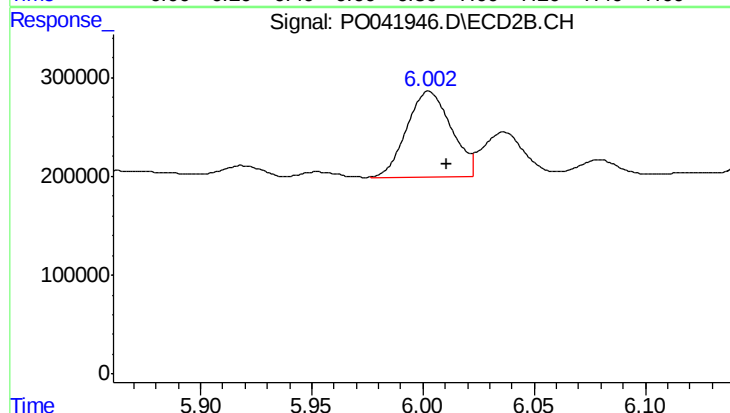
R.T.: 6.855 min  
Delta R.T.: -0.003 min  
Response: 497490  
Conc: 9.27 ng/ml



#36 AR-1262-1

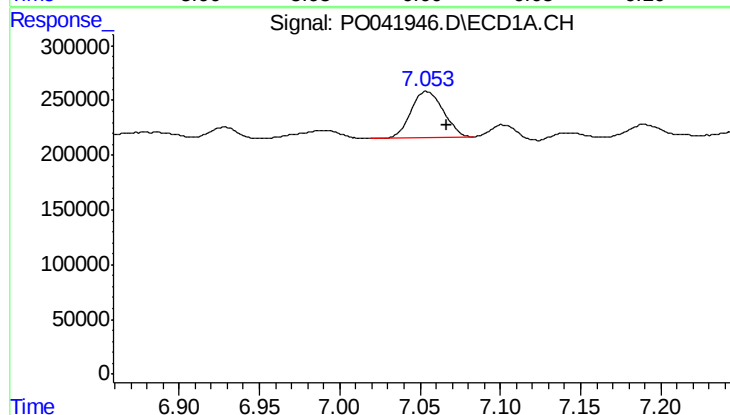
R.T.: 0.000 min  
Exp R.T.: 6.814 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



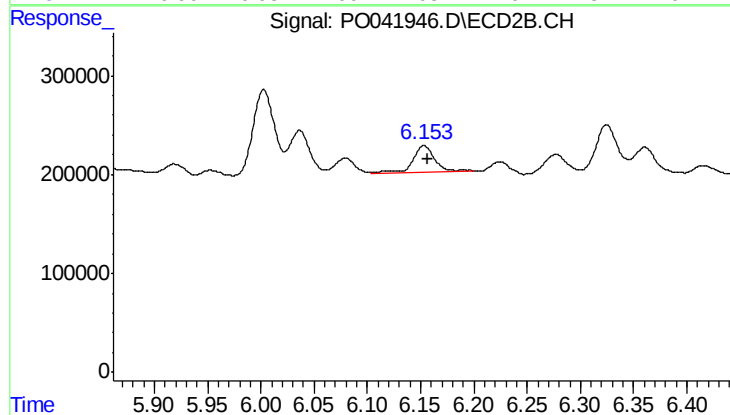
#36 AR-1262-1

R.T.: 6.003 min  
Delta R.T.: -0.008 min  
Response: 1203371  
Conc: 54.18 ng/ml



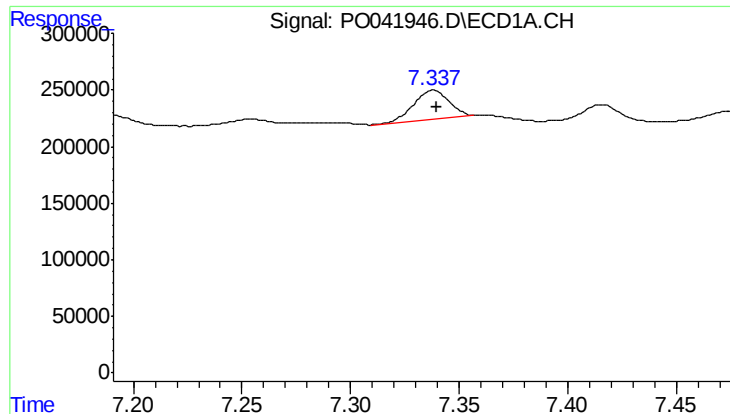
#37 AR-1262-2

R.T.: 7.054 min  
Delta R.T.: -0.013 min  
Response: 590830  
Conc: 50.75 ng/ml



#37 AR-1262-2

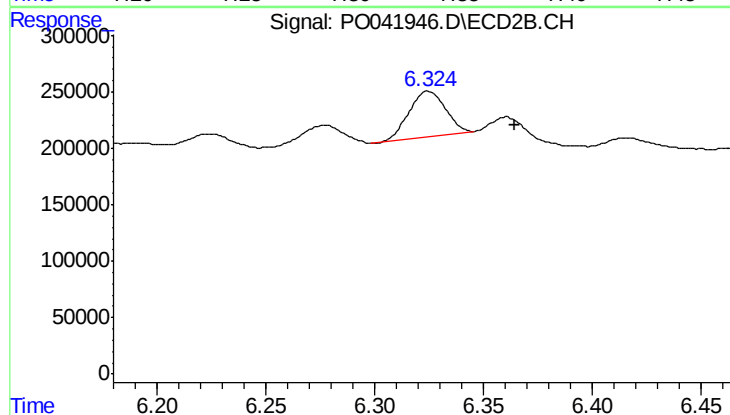
R.T.: 6.153 min  
Delta R.T.: -0.004 min  
Response: 382663  
Conc: 19.03 ng/ml



#38 AR-1262-3

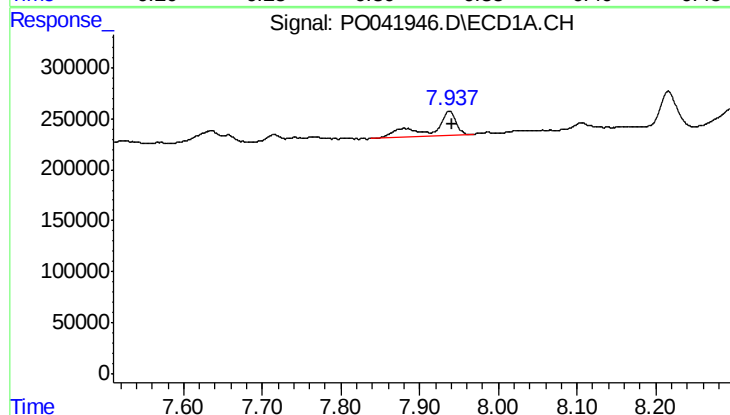
R.T.: 7.338 min  
Delta R.T.: -0.001 min  
Response: 289912  
Conc: 25.20 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



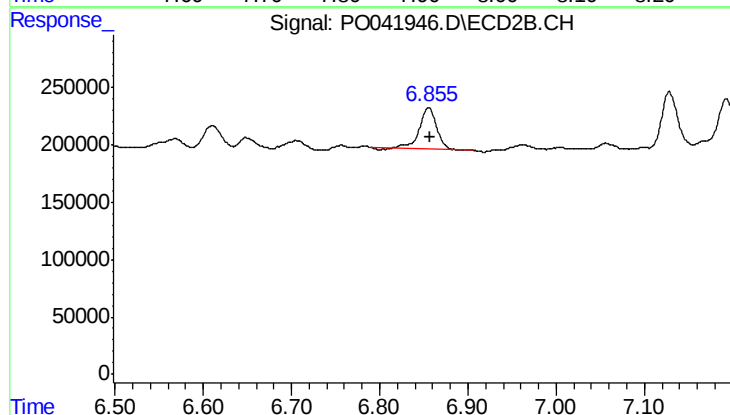
#38 AR-1262-3

R.T.: 6.325 min  
Delta R.T.: -0.040 min  
Response: 462011  
Conc: 12.47 ng/ml



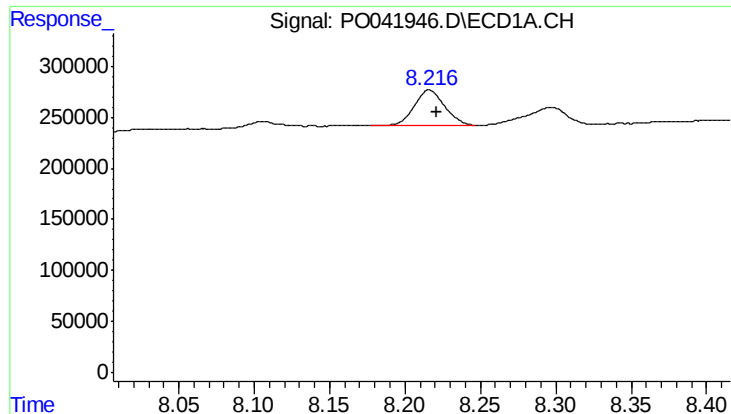
#40 AR-1262-5

R.T.: 7.938 min  
Delta R.T.: -0.003 min  
Response: 525783  
Conc: 16.33 ng/ml



#40 AR-1262-5

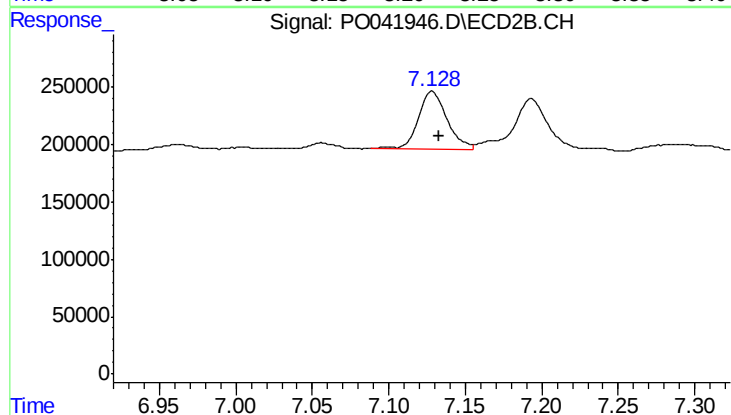
R.T.: 6.855 min  
Delta R.T.: -0.002 min  
Response: 497490  
Conc: 7.85 ng/ml



#41 AR-1268-1

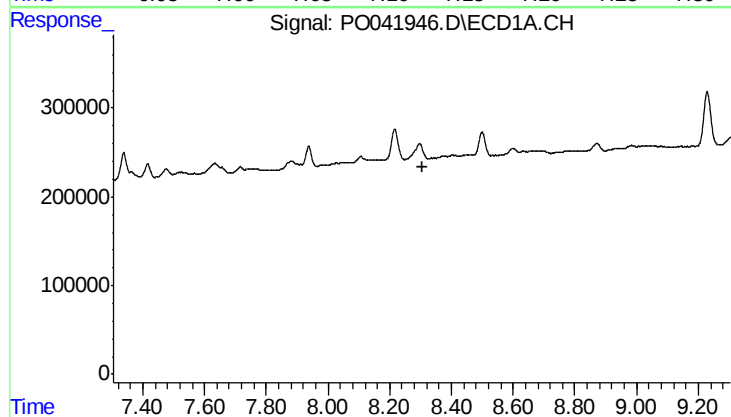
R.T.: 8.216 min  
Delta R.T.: -0.005 min  
Response: 487915  
Conc: 12.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



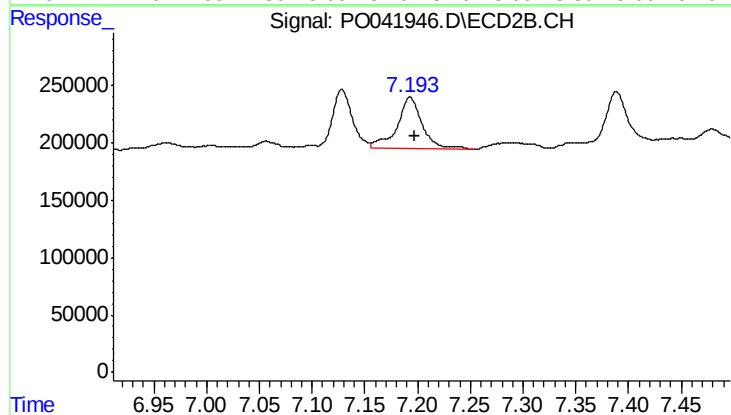
#41 AR-1268-1

R.T.: 7.128 min  
Delta R.T.: -0.004 min  
Response: 647111  
Conc: 8.83 ng/ml



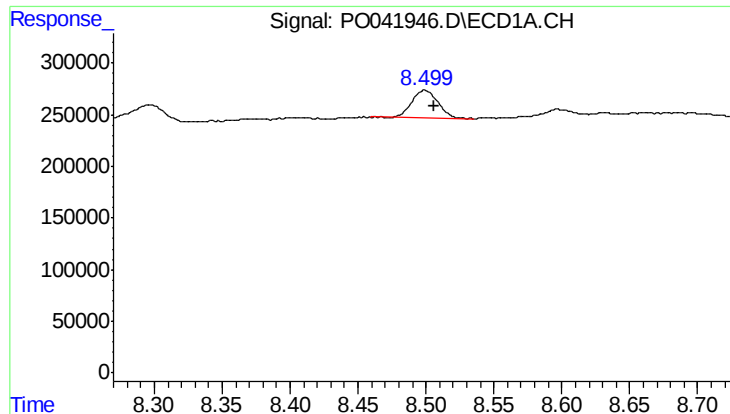
#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T.: 8.305 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

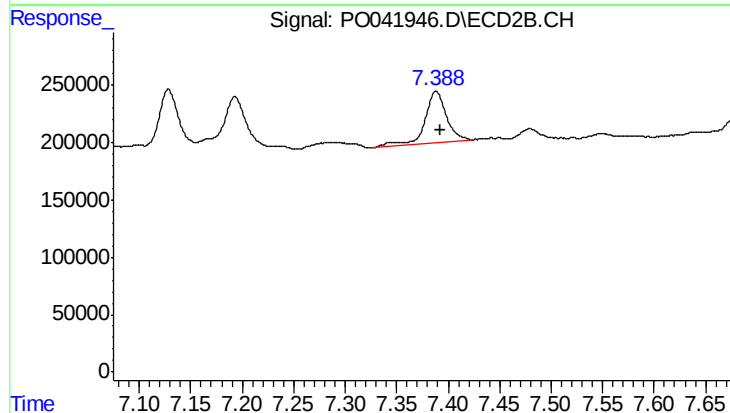
R.T.: 7.193 min  
Delta R.T.: -0.005 min  
Response: 745839  
Conc: 11.54 ng/ml



#43 AR-1268-3

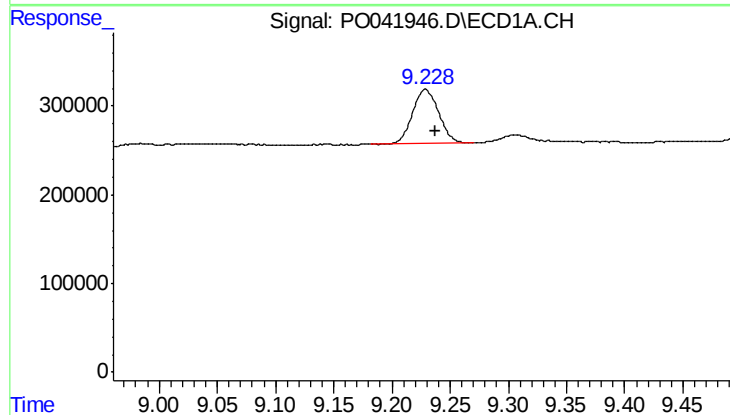
R.T.: 8.499 min  
Delta R.T.: -0.007 min  
Response: 358453  
Conc: 12.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
15K-5B



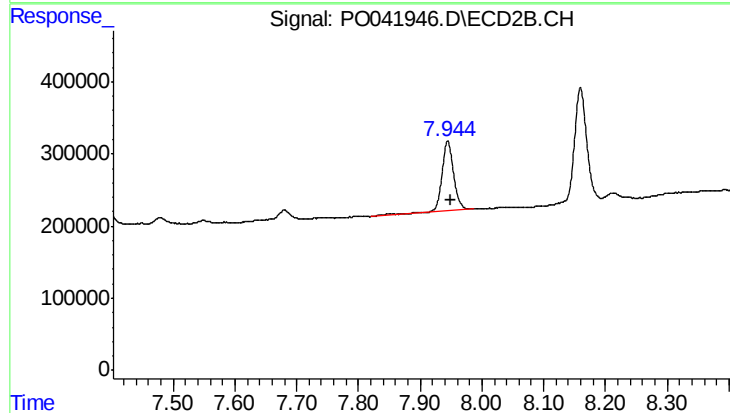
#43 AR-1268-3

R.T.: 7.388 min  
Delta R.T.: -0.004 min  
Response: 652637  
Conc: 11.94 ng/ml



#45 AR-1268-5

R.T.: 9.229 min  
Delta R.T.: -0.008 min  
Response: 957530  
Conc: 11.85 ng/ml



#45 AR-1268-5

R.T.: 7.945 min  
Delta R.T.: -0.004 min  
Response: 1286770  
Conc: 8.94 ng/ml