

Data Path : P:\HPCHEM1\ECD\_0\Data\P0021518\  
 Data File : P0042429.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 15 Feb 2018 12:35  
 Operator : SM/UA  
 Sample : AR1242 LOQ  
 Misc : 100 PPB SOIL ECD\_0  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_0  
 ClientSampleId :  
 AR1242 LOQ

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 15 23:13:42 2018  
 Quant Method : P:\HPCHEM1\ECD\_0\P0021418.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu Feb 15 00:46:40 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...          | 4.109 | 3.356 | 4497137 | 6053750 | 29.069  | 26.655    |
| 2) SA Decachlor...          | 9.498 | 8.146 | 4671405 | 6880934 | 27.176  | 27.381    |
| Target Compounds            |       |       |         |         |         |           |
| 3) L1 AR-1016-1             | 4.976 | 4.177 | 456244  | 581508  | 98.000  | 86.417    |
| 4) L1 AR-1016-2             | 5.316 | 4.615 | 609283  | 527125  | 98.127  | 92.239    |
| 5) L1 AR-1016-3             | 5.410 | 4.653 | 509131  | 649742  | 94.629  | 88.777    |
| 6) L1 AR-1016-4             | 5.698 | 4.818 | 381157  | 721834  | 72.017  | 91.050 #  |
| 7) L1 AR-1016-5             | 5.835 | 5.156 | 553603  | 857220  | 98.575  | 108.274   |
| 9) L2 AR-1221-2             | 0.000 | 3.641 | 0       | 164891  | N.D.    | 85.460 #  |
| 10) L2 AR-1221-3            | 4.465 | 3.713 | 300416  | 424340  | 65.902  | 68.403    |
| 11) L3 AR-1232-1            | 4.465 | 3.713 | 300416  | 424340  | 91.425  | 97.354    |
| 12) L3 AR-1232-2            | 5.235 | 4.403 | 651406  | 2168621 | 261.922 | 246.328   |
| 13) L3 AR-1232-3            | 5.256 | 4.458 | 1028163 | 813035  | 257.910 | 238.071   |
| 14) L3 AR-1232-4            | 5.316 | 4.572 | 609283  | 643193  | 260.918 | 241.587   |
| 15) L3 AR-1232-5            | 5.410 | 4.615 | 509131  | 527125  | 261.993 | 277.443   |
| 16) L4 AR-1242-1            | 4.790 | 3.996 | 328507  | 600340  | 114.374 | 94.165    |
| 17) L4 AR-1242-2            | 5.256 | 4.403 | 1028163 | 2168621 | 154.991 | 143.745   |
| 18) L4 AR-1242-3            | 5.410 | 4.572 | 509131  | 643193  | 151.088 | 143.284   |
| 19) L4 AR-1242-4            | 5.698 | 4.653 | 381157  | 649742  | 111.744 | 141.706 # |
| 20) L4 AR-1242-5            | 5.835 | 4.818 | 553603  | 721834  | 144.228 | 144.999   |
| 21) L5 AR-1248-1            | 5.698 | 4.818 | 381157  | 721834  | 58.843  | 74.942 #  |
| 22) L5 AR-1248-2            | 5.835 | 4.958 | 553603  | 765572  | 98.043  | 87.388    |
| 23) L5 AR-1248-3            | 6.090 | 5.156 | 570207  | 857220  | 69.840  | 58.224    |
| 24) L5 AR-1248-4            | 6.128 | 5.194 | 596627  | 745766  | 75.960  | 62.832    |
| 25) L5 AR-1248-5            | 6.280 | 5.686 | 366723  | 243116  | 68.555  | 32.833 #  |
| 26) L6 AR-1254-1            | 6.280 | 5.156 | 366723  | 857220  | 27.834  | 51.292 #  |
| 27) L6 AR-1254-2            | 0.000 | 5.298 | 0       | 180647  | N.D.    | 12.024 #  |
| 28) L6 AR-1254-3            | 6.635 | 5.686 | 432503  | 243116  | 28.655  | 9.913 #   |
| 29) L6 AR-1254-4            | 0.000 | 5.911 | 0       | 456392  | N.D.    | 22.401 #  |
| 30) L6 AR-1254-5            | 0.000 | 6.215 | 0       | 223499  | N.D.    | 19.292 #  |
| 32) L7 AR-1260-2            | 0.000 | 5.992 | 0       | 503304  | N.D.    | 17.775 #  |
| 36) L8 AR-1262-1            | 0.000 | 5.992 | 0       | 503304  | N.D.    | 27.038 #  |
| 45) L9 AR-1268-5            | 0.000 | 7.938 | 0       | 26134   | N.D.    | 77.105 #  |
| -----                       |       |       |         |         |         |           |

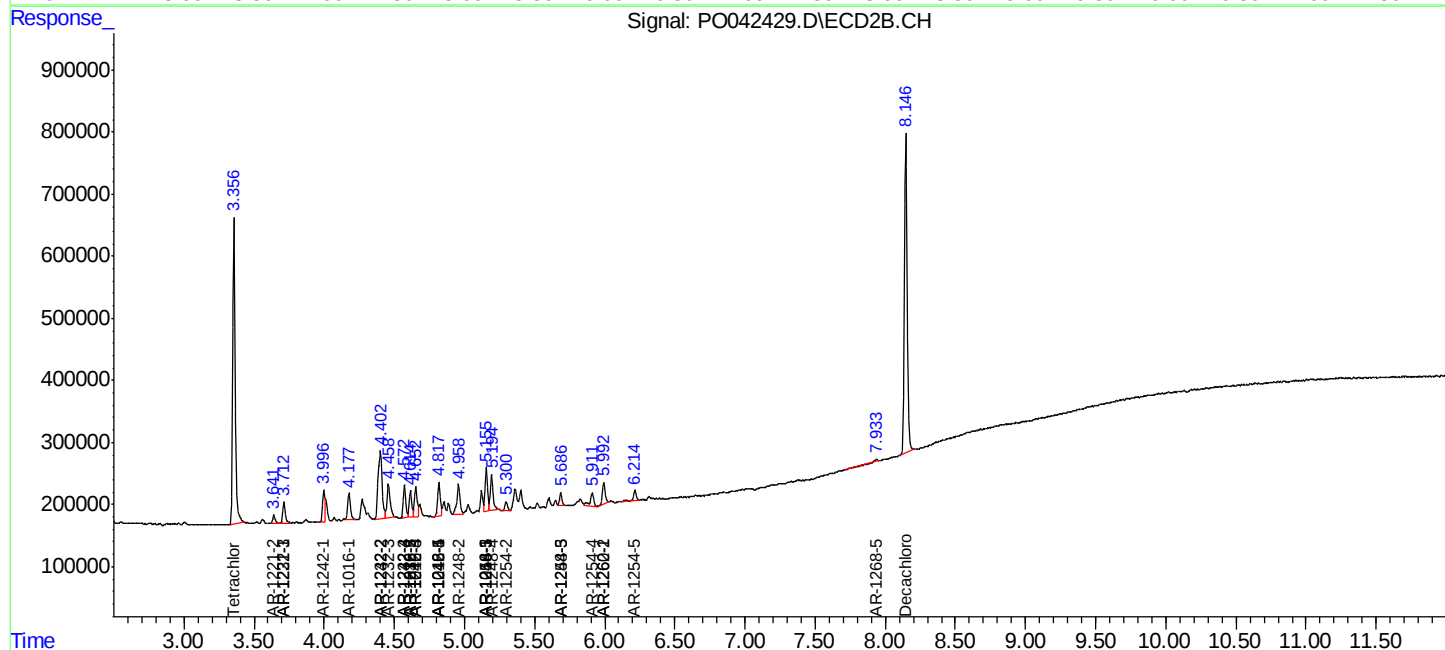
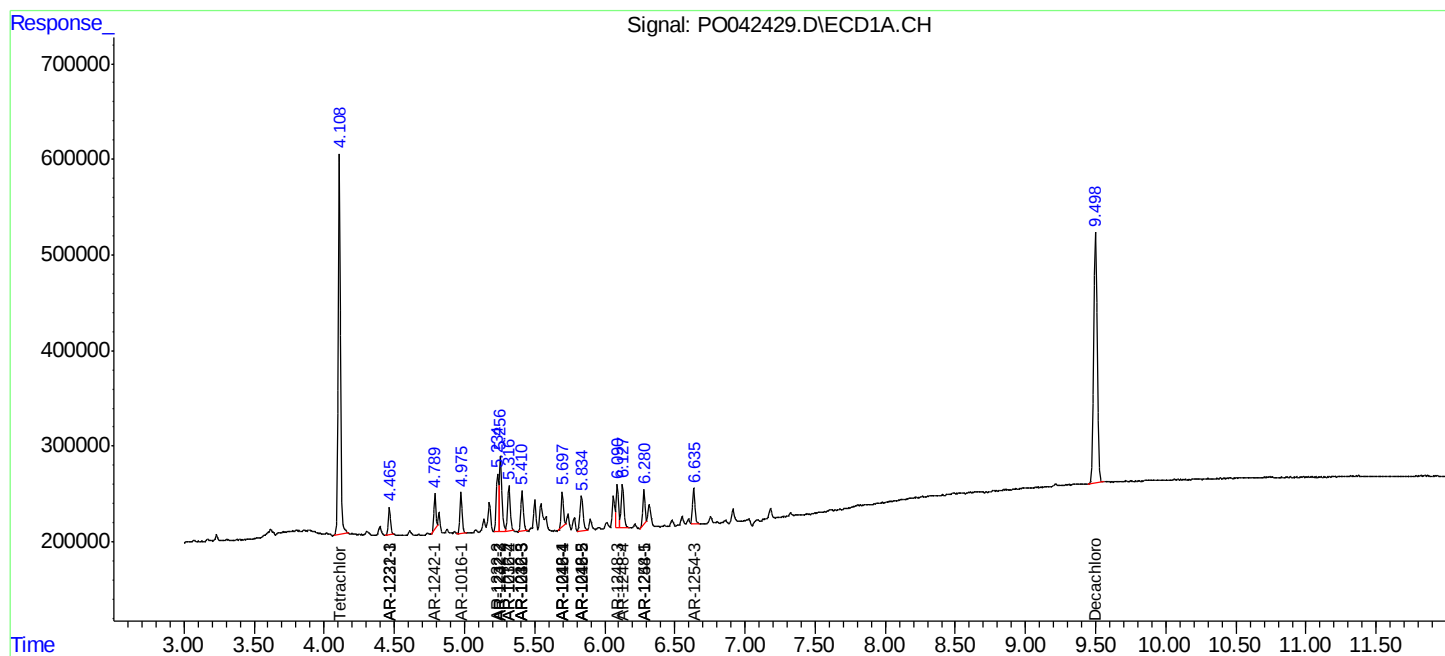
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

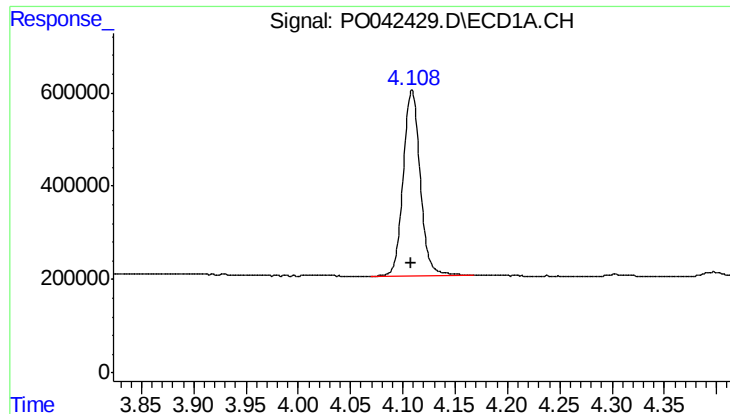
Data Path : P:\HPCHEM1\ECD\_0\Data\PO021518\  
Data File : PO042429.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 15 Feb 2018 12:35  
Operator : SM/UA  
Sample : AR1242 LOQ  
Misc : 100 PPB SOIL ECD\_0  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 15 23:13:42 2018  
Quant Method : P:\HPCHEM1\ECD\_0\PO021418.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Thu Feb 15 00:46:40 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

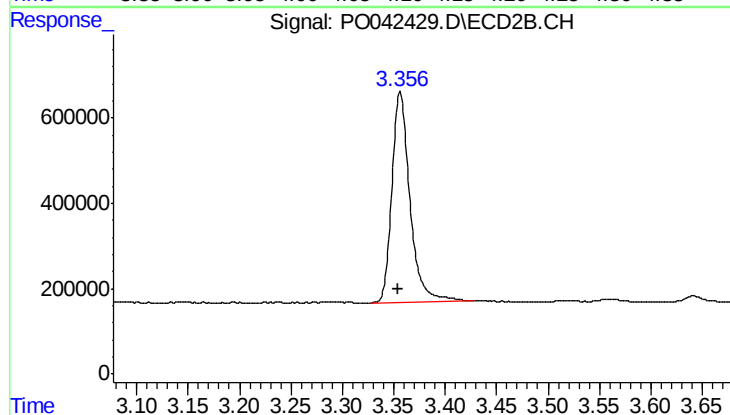




#1 Tetrachloro-m-xylene

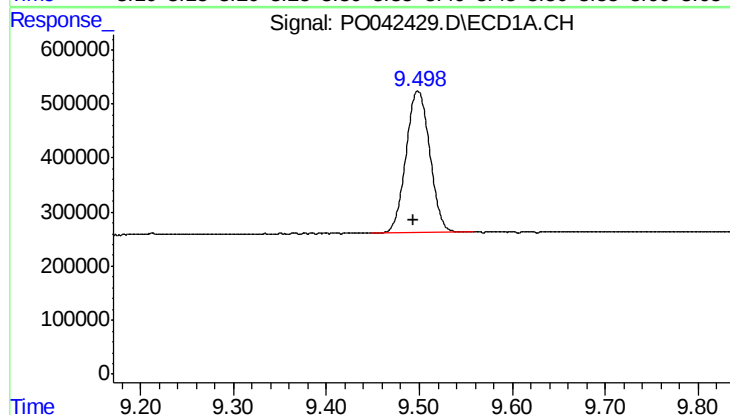
R.T.: 4.109 min  
Delta R.T.: 0.001 min  
Response: 4497137  
Conc: 29.07 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



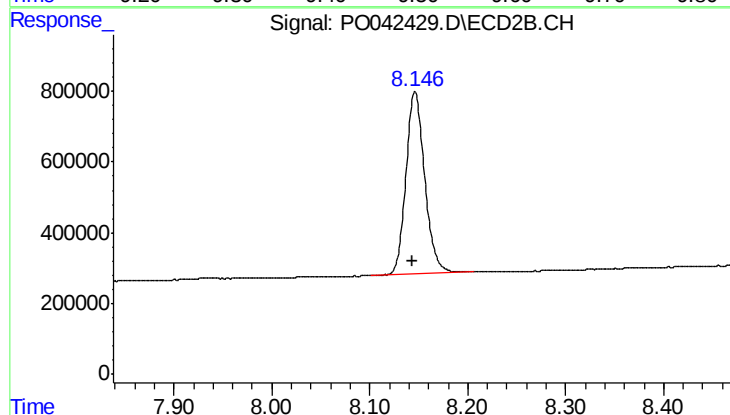
#1 Tetrachloro-m-xylene

R.T.: 3.356 min  
Delta R.T.: 0.002 min  
Response: 6053750  
Conc: 26.66 ng/ml



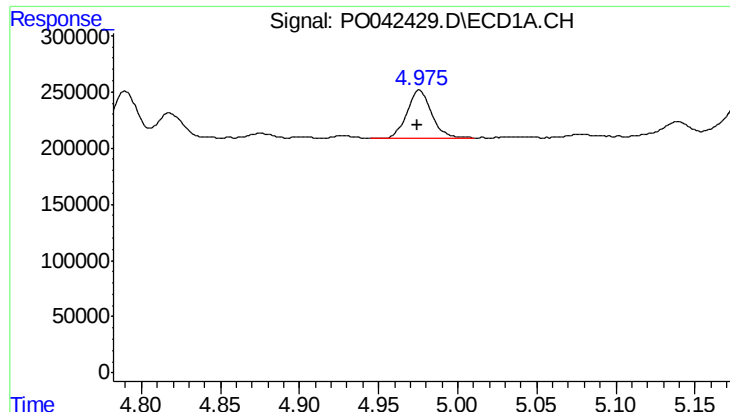
#2 Decachlorobiphenyl

R.T.: 9.498 min  
Delta R.T.: 0.004 min  
Response: 4671405  
Conc: 27.18 ng/ml



#2 Decachlorobiphenyl

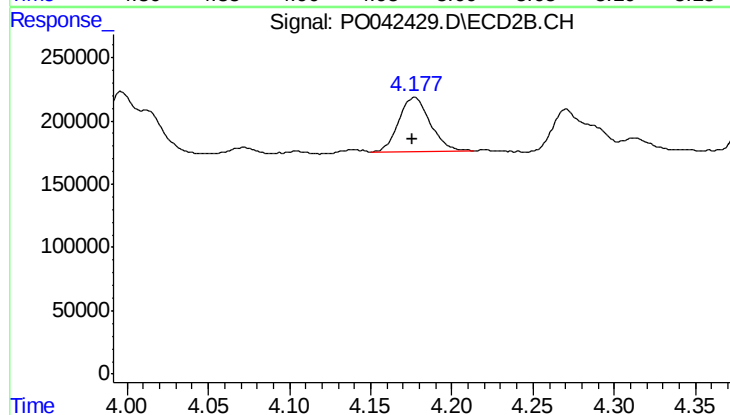
R.T.: 8.146 min  
Delta R.T.: 0.003 min  
Response: 6880934  
Conc: 27.38 ng/ml



#3 AR-1016-1

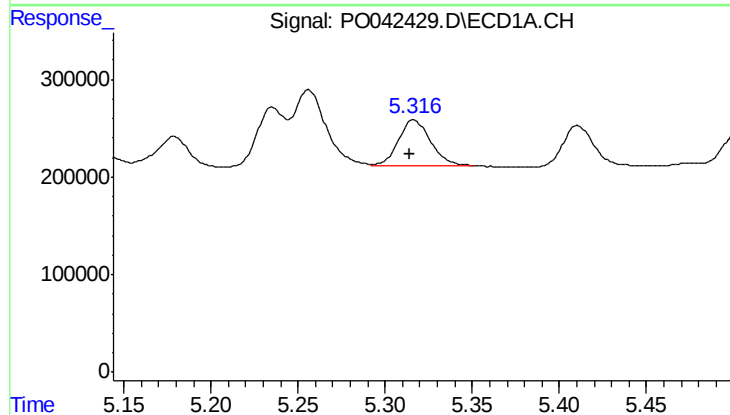
R.T.: 4.976 min  
Delta R.T.: 0.001 min  
Response: 456244  
Conc: 98.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



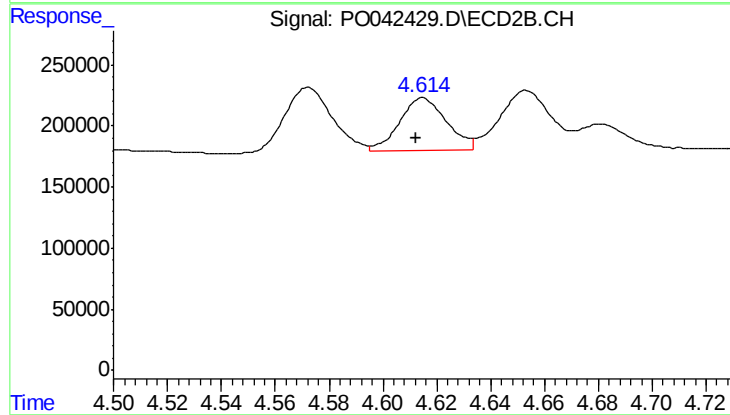
#3 AR-1016-1

R.T.: 4.177 min  
Delta R.T.: 0.002 min  
Response: 581508  
Conc: 86.42 ng/ml



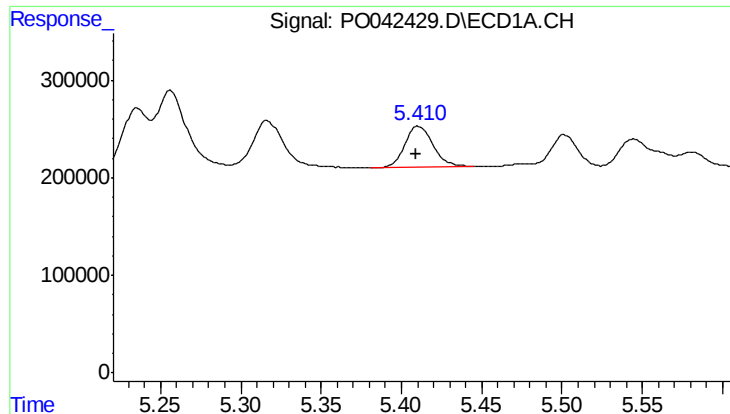
#4 AR-1016-2

R.T.: 5.316 min  
Delta R.T.: 0.002 min  
Response: 609283  
Conc: 98.13 ng/ml



#4 AR-1016-2

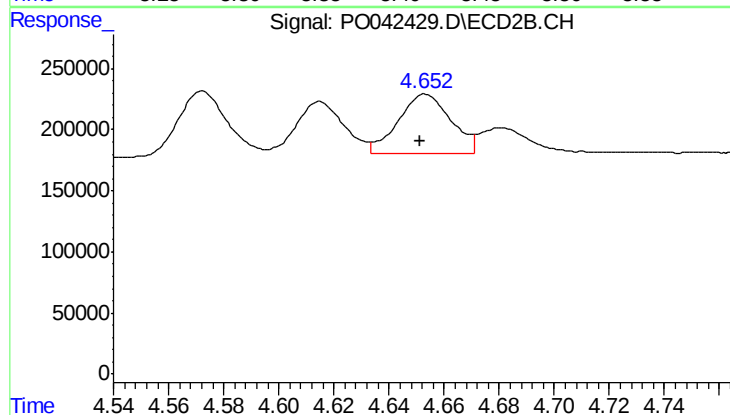
R.T.: 4.615 min  
Delta R.T.: 0.003 min  
Response: 527125  
Conc: 92.24 ng/ml



#5 AR-1016-3

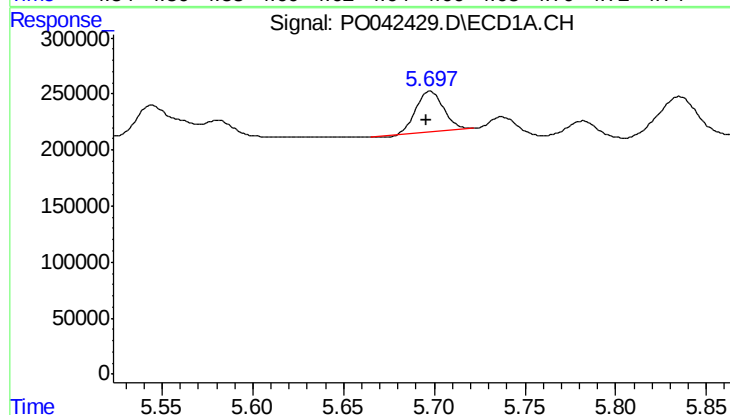
R.T.: 5.410 min  
Delta R.T.: 0.000 min  
Response: 509131  
Conc: 94.63 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



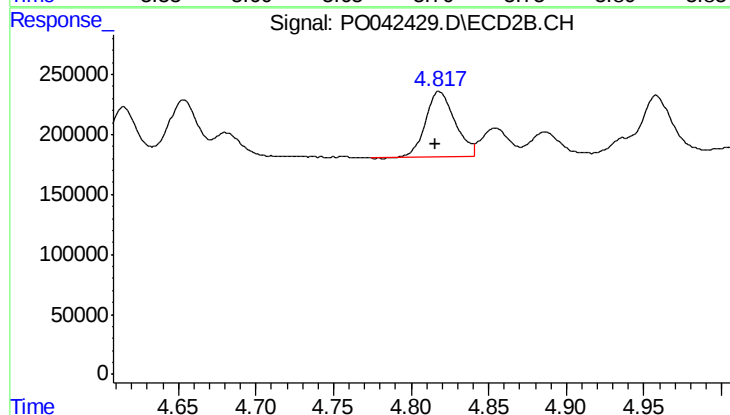
#5 AR-1016-3

R.T.: 4.653 min  
Delta R.T.: 0.002 min  
Response: 649742  
Conc: 88.78 ng/ml



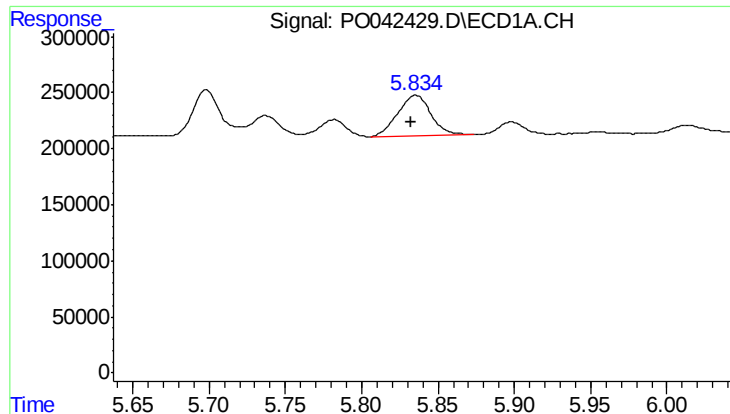
#6 AR-1016-4

R.T.: 5.698 min  
Delta R.T.: 0.002 min  
Response: 381157  
Conc: 72.02 ng/ml



#6 AR-1016-4

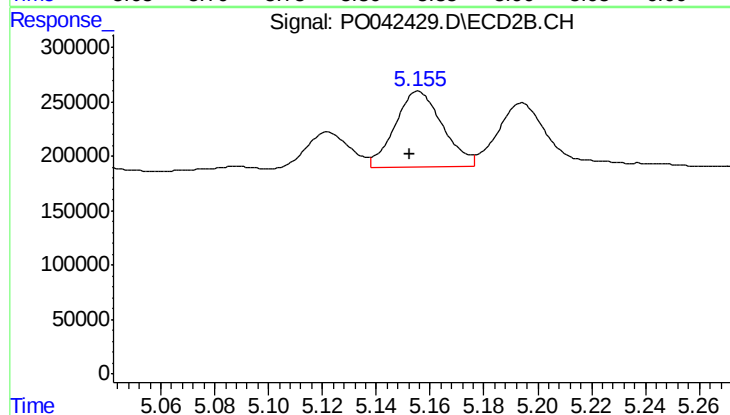
R.T.: 4.818 min  
Delta R.T.: 0.002 min  
Response: 721834  
Conc: 91.05 ng/ml



#7 AR-1016-5

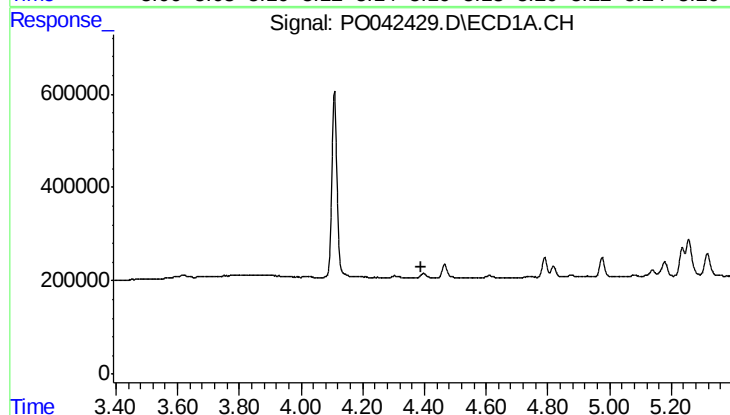
R.T.: 5.835 min  
Delta R.T.: 0.002 min  
Response: 553603  
Conc: 98.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



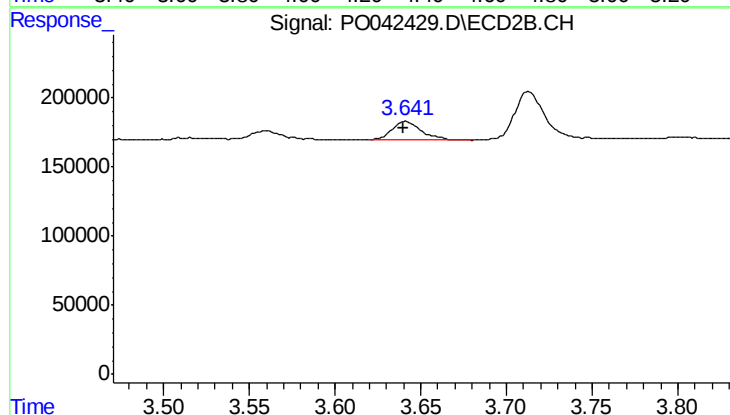
#7 AR-1016-5

R.T.: 5.156 min  
Delta R.T.: 0.003 min  
Response: 857220  
Conc: 108.27 ng/ml



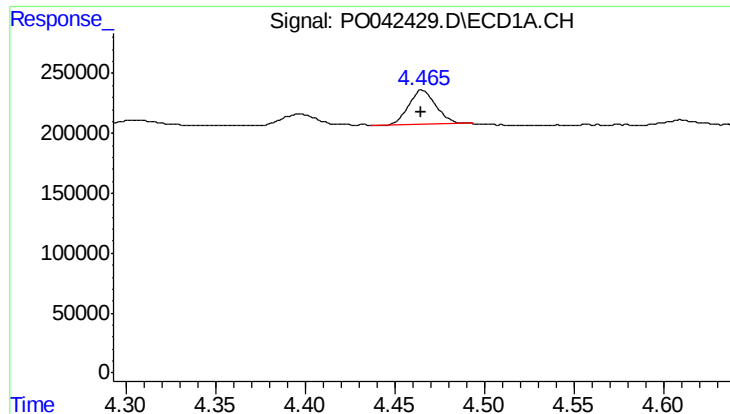
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T.: 4.392 min  
Response: 0  
Conc: N.D.



#9 AR-1221-2

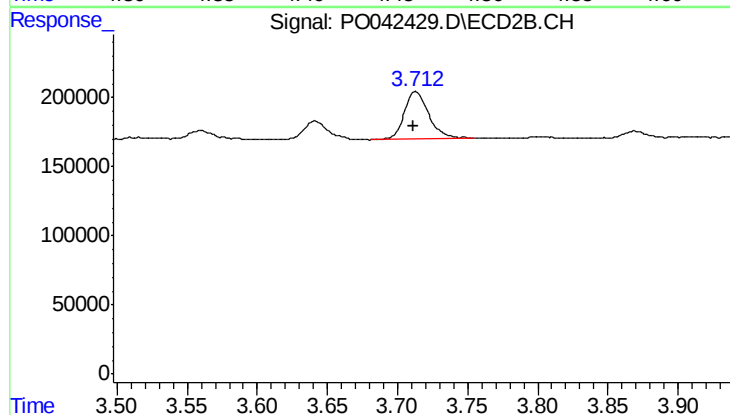
R.T.: 3.641 min  
Delta R.T.: 0.000 min  
Response: 164891  
Conc: 85.46 ng/ml



#10 AR-1221-3

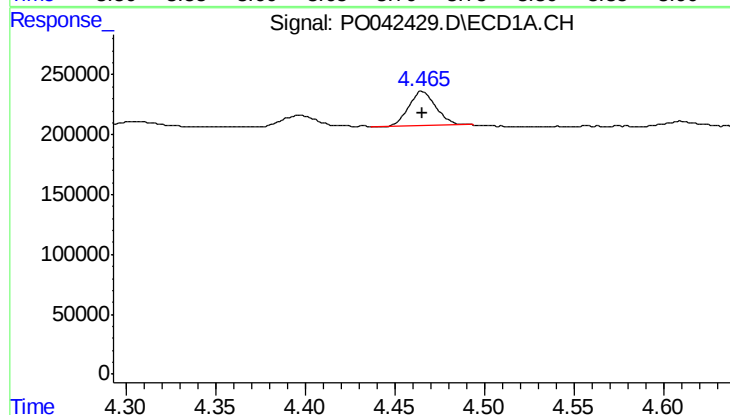
R.T.: 4.465 min  
Delta R.T.: 0.000 min  
Response: 300416  
Conc: 65.90 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



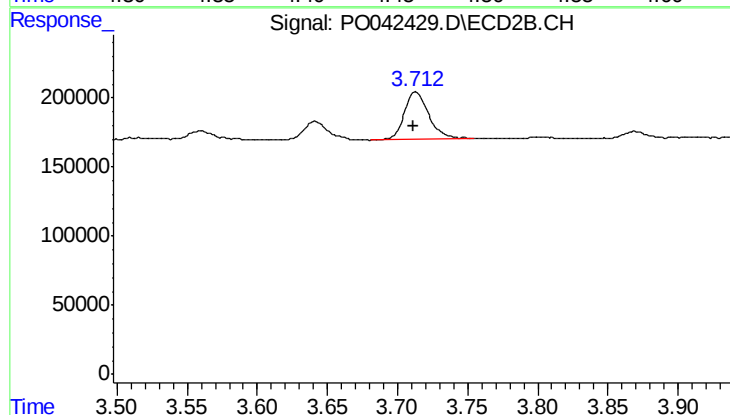
#10 AR-1221-3

R.T.: 3.713 min  
Delta R.T.: 0.001 min  
Response: 424340  
Conc: 68.40 ng/ml



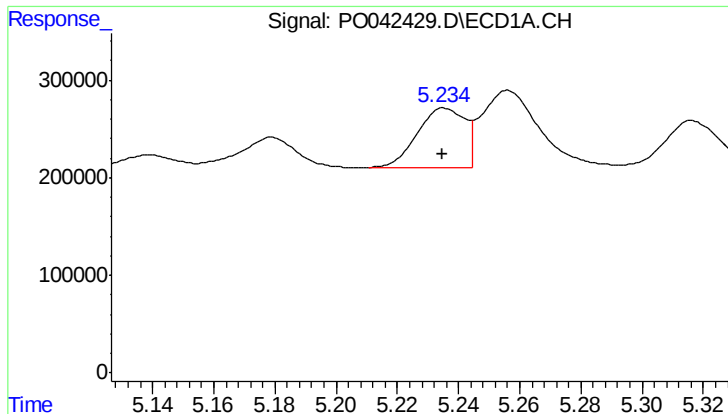
#11 AR-1232-1

R.T.: 4.465 min  
Delta R.T.: 0.000 min  
Response: 300416  
Conc: 91.42 ng/ml



#11 AR-1232-1

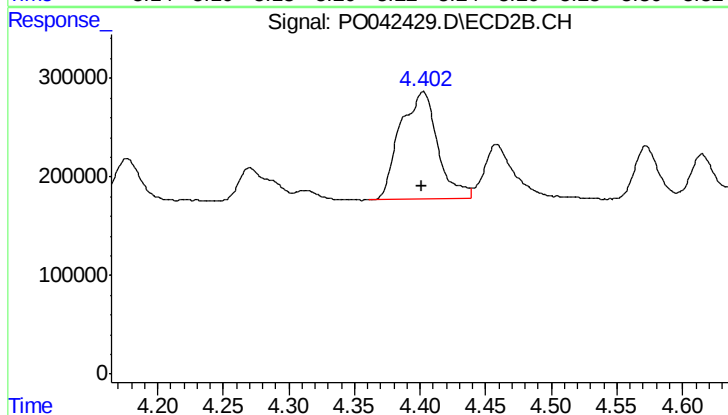
R.T.: 3.713 min  
Delta R.T.: 0.001 min  
Response: 424340  
Conc: 97.35 ng/ml



#12 AR-1232-2

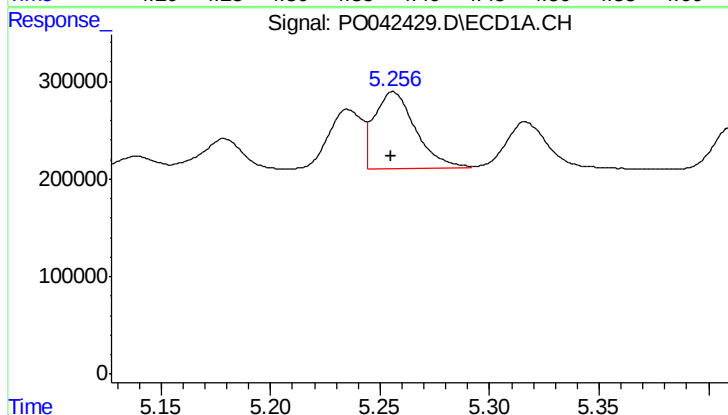
R.T.: 5.235 min  
Delta R.T.: 0.000 min  
Response: 651406  
Conc: 261.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



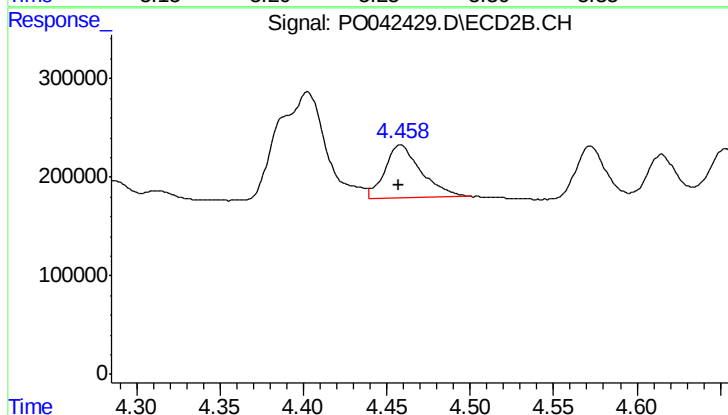
#12 AR-1232-2

R.T.: 4.403 min  
Delta R.T.: 0.001 min  
Response: 2168621  
Conc: 246.33 ng/ml



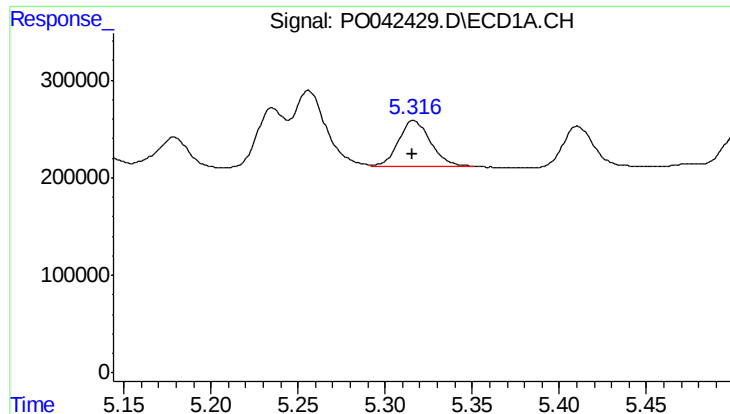
#13 AR-1232-3

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 1028163  
Conc: 257.91 ng/ml



#13 AR-1232-3

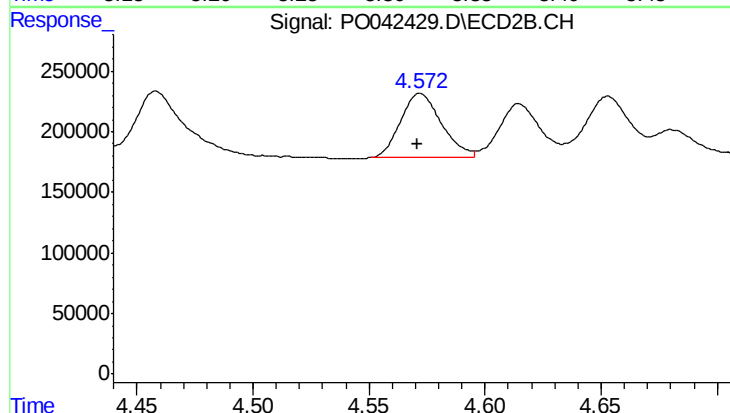
R.T.: 4.458 min  
Delta R.T.: 0.000 min  
Response: 813035  
Conc: 238.07 ng/ml



#14 AR-1232-4

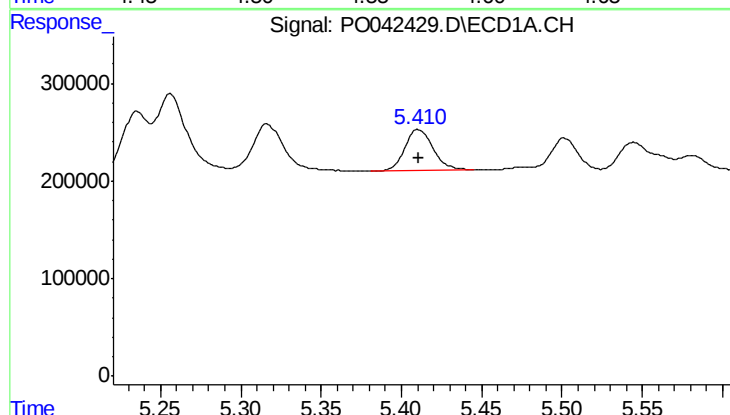
R.T.: 5.316 min  
Delta R.T.: 0.000 min  
Response: 609283  
Conc: 260.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



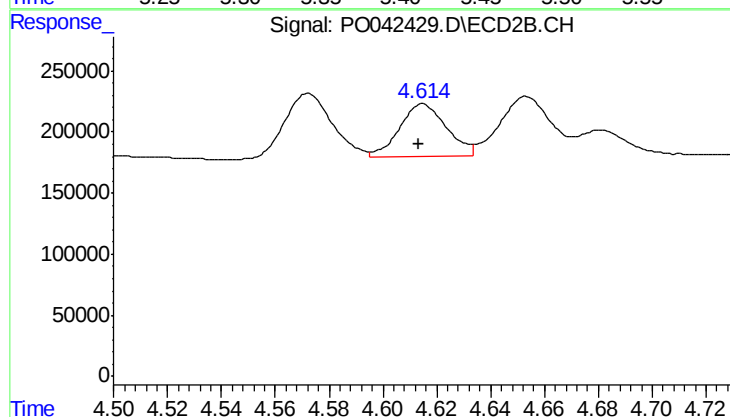
#14 AR-1232-4

R.T.: 4.572 min  
Delta R.T.: 0.001 min  
Response: 643193  
Conc: 241.59 ng/ml



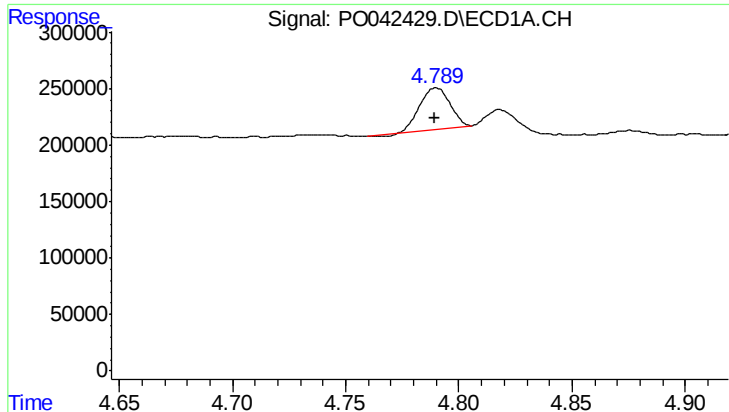
#15 AR-1232-5

R.T.: 5.410 min  
Delta R.T.: 0.000 min  
Response: 509131  
Conc: 261.99 ng/ml



#15 AR-1232-5

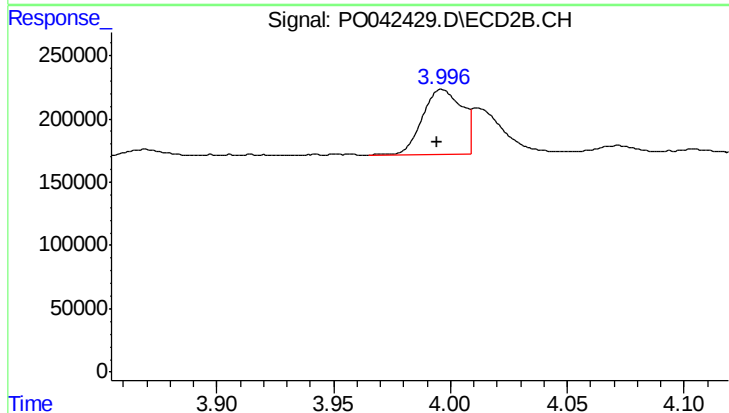
R.T.: 4.615 min  
Delta R.T.: 0.001 min  
Response: 527125  
Conc: 277.44 ng/ml



#16 AR-1242-1

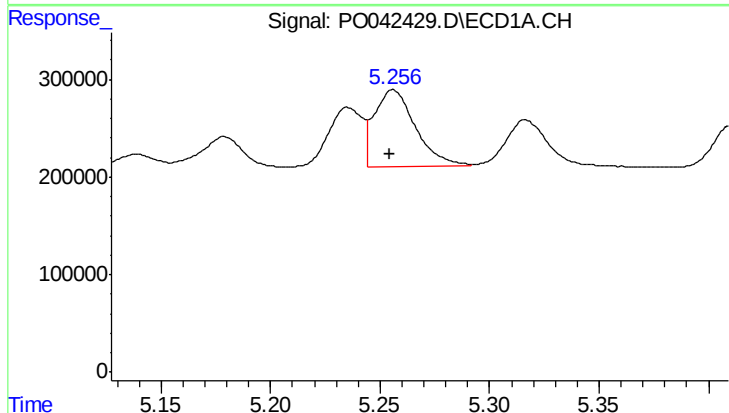
R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 328507  
Conc: 114.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



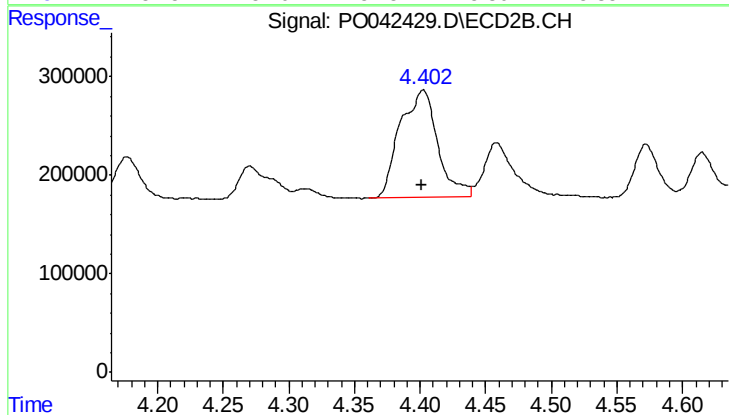
#16 AR-1242-1

R.T.: 3.996 min  
Delta R.T.: 0.002 min  
Response: 600340  
Conc: 94.17 ng/ml



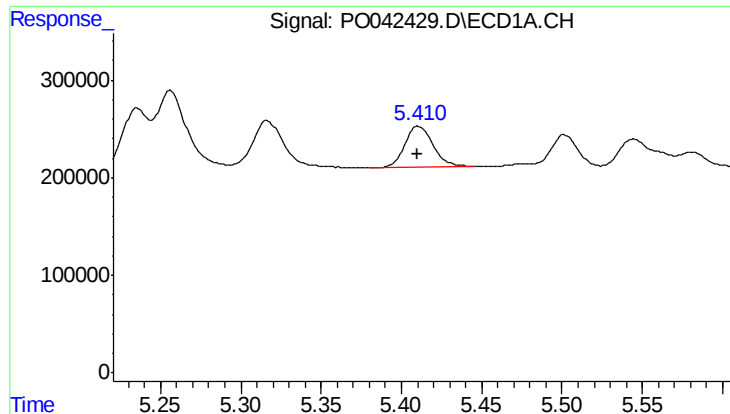
#17 AR-1242-2

R.T.: 5.256 min  
Delta R.T.: 0.001 min  
Response: 1028163  
Conc: 154.99 ng/ml



#17 AR-1242-2

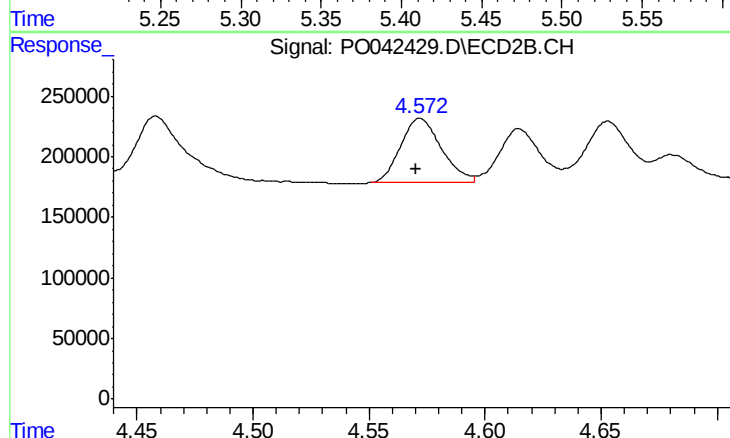
R.T.: 4.403 min  
Delta R.T.: 0.002 min  
Response: 2168621  
Conc: 143.74 ng/ml



#18 AR-1242-3

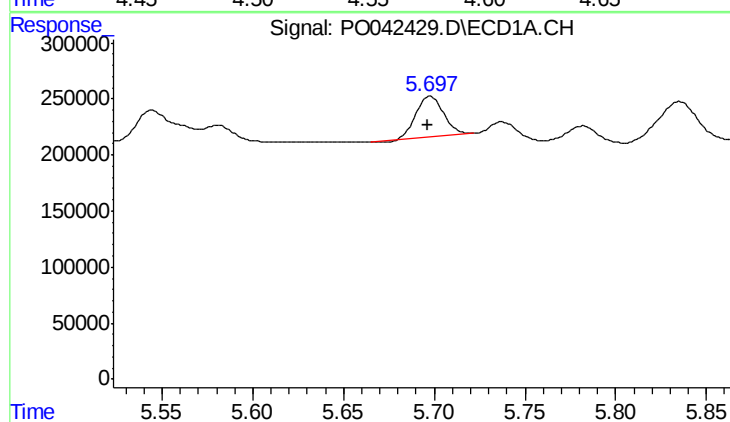
R.T.: 5.410 min  
Delta R.T.: 0.000 min  
Response: 509131  
Conc: 151.09 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



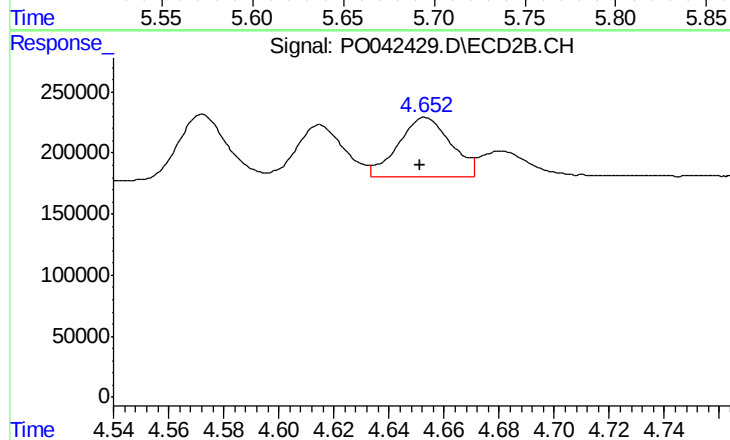
#18 AR-1242-3

R.T.: 4.572 min  
Delta R.T.: 0.002 min  
Response: 643193  
Conc: 143.28 ng/ml



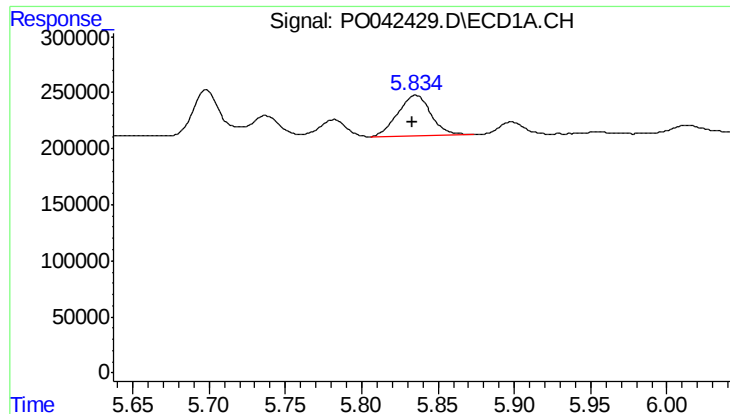
#19 AR-1242-4

R.T.: 5.698 min  
Delta R.T.: 0.001 min  
Response: 381157  
Conc: 111.74 ng/ml



#19 AR-1242-4

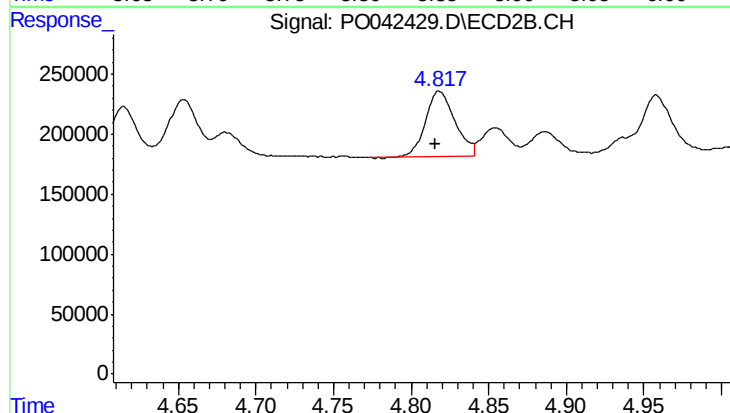
R.T.: 4.653 min  
Delta R.T.: 0.001 min  
Response: 649742  
Conc: 141.71 ng/ml



#20 AR-1242-5

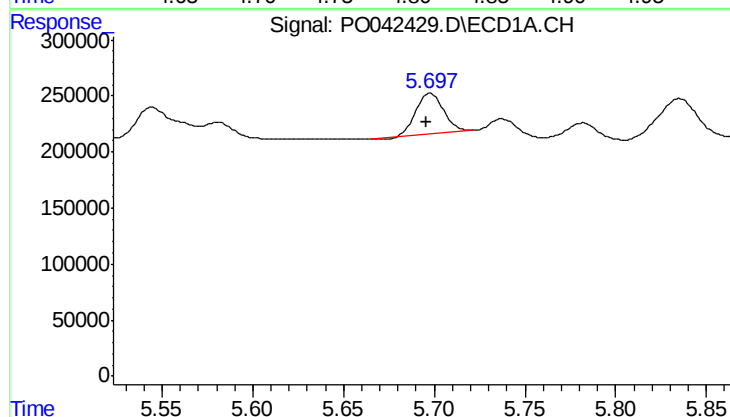
R.T.: 5.835 min  
Delta R.T.: 0.002 min  
Response: 553603  
Conc: 144.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



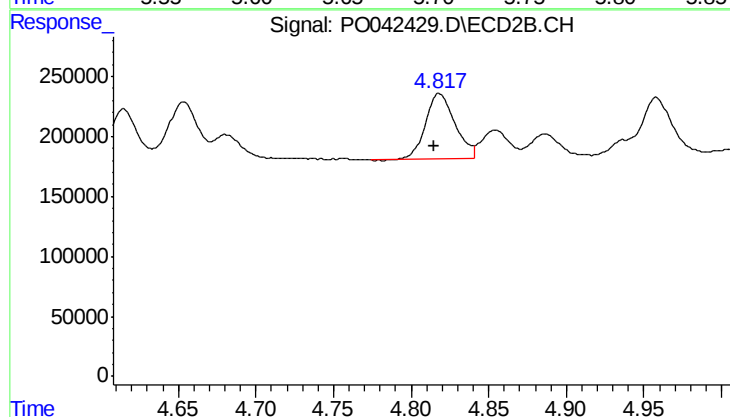
#20 AR-1242-5

R.T.: 4.818 min  
Delta R.T.: 0.002 min  
Response: 721834  
Conc: 145.00 ng/ml



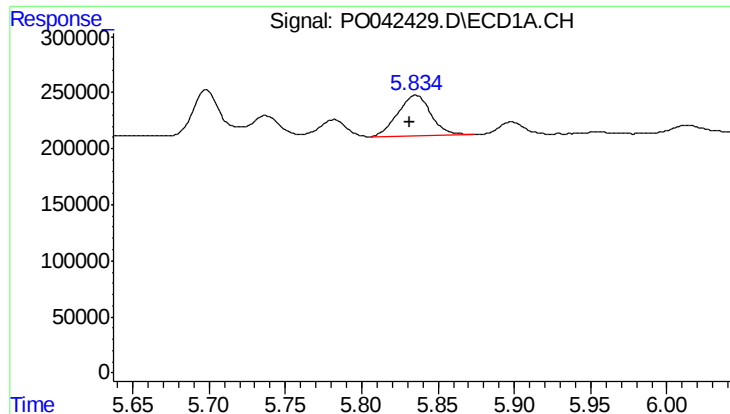
#21 AR-1248-1

R.T.: 5.698 min  
Delta R.T.: 0.002 min  
Response: 381157  
Conc: 58.84 ng/ml



#21 AR-1248-1

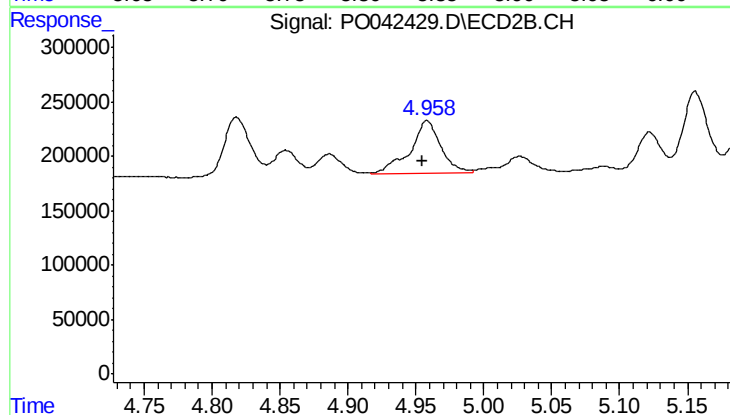
R.T.: 4.818 min  
Delta R.T.: 0.003 min  
Response: 721834  
Conc: 74.94 ng/ml



#22 AR-1248-2

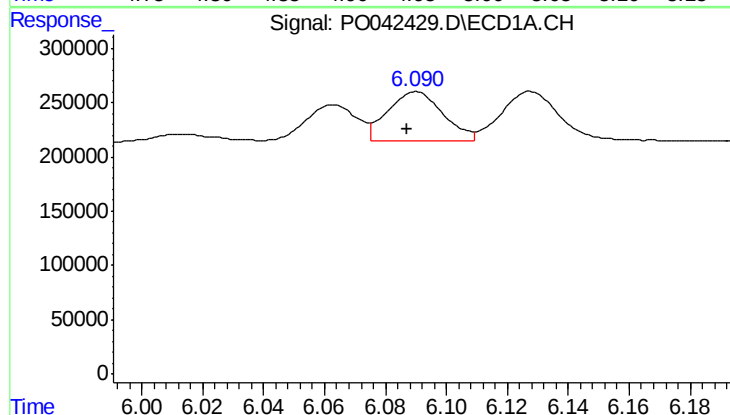
R.T.: 5.835 min  
Delta R.T.: 0.004 min  
Response: 553603  
Conc: 98.04 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



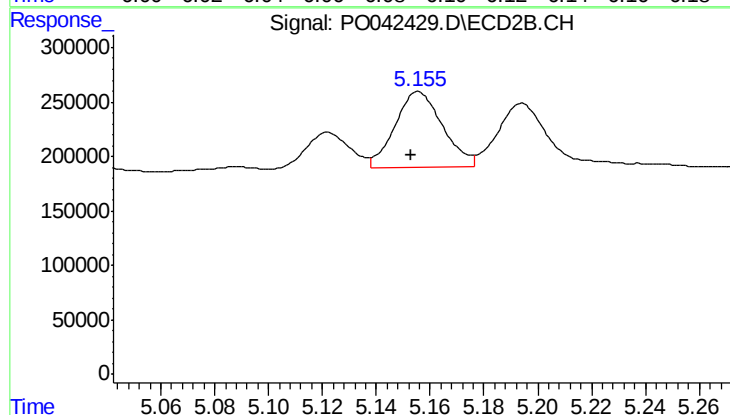
#22 AR-1248-2

R.T.: 4.958 min  
Delta R.T.: 0.003 min  
Response: 765572  
Conc: 87.39 ng/ml



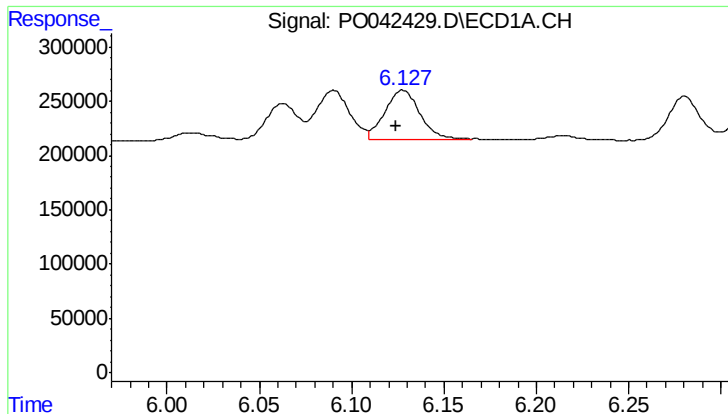
#23 AR-1248-3

R.T.: 6.090 min  
Delta R.T.: 0.003 min  
Response: 570207  
Conc: 69.84 ng/ml



#23 AR-1248-3

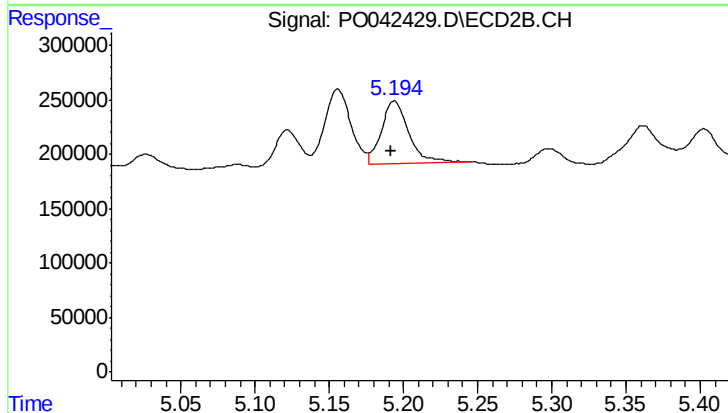
R.T.: 5.156 min  
Delta R.T.: 0.003 min  
Response: 857220  
Conc: 58.22 ng/ml



#24 AR-1248-4

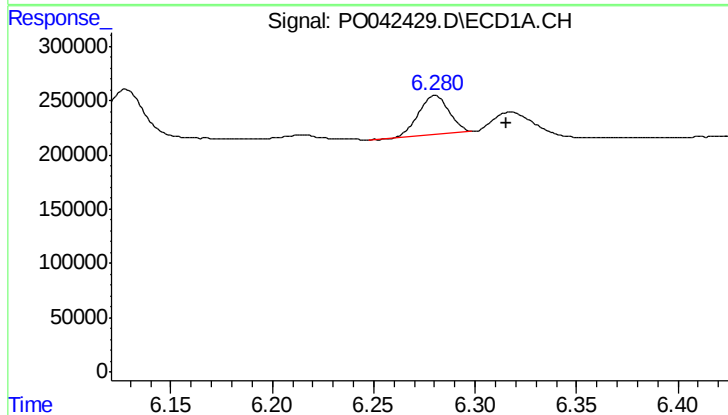
R.T.: 6.128 min  
Delta R.T.: 0.004 min  
Response: 596627  
Conc: 75.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



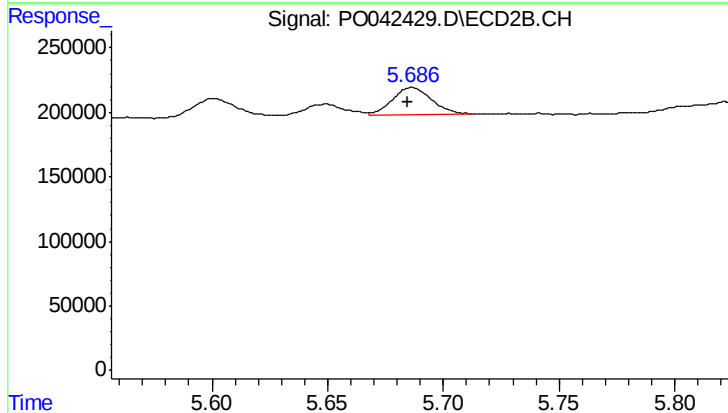
#24 AR-1248-4

R.T.: 5.194 min  
Delta R.T.: 0.003 min  
Response: 745766  
Conc: 62.83 ng/ml



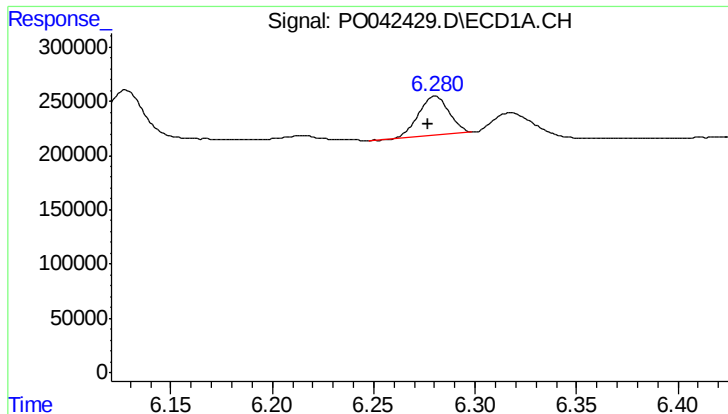
#25 AR-1248-5

R.T.: 6.280 min  
Delta R.T.: -0.035 min  
Response: 366723  
Conc: 68.55 ng/ml



#25 AR-1248-5

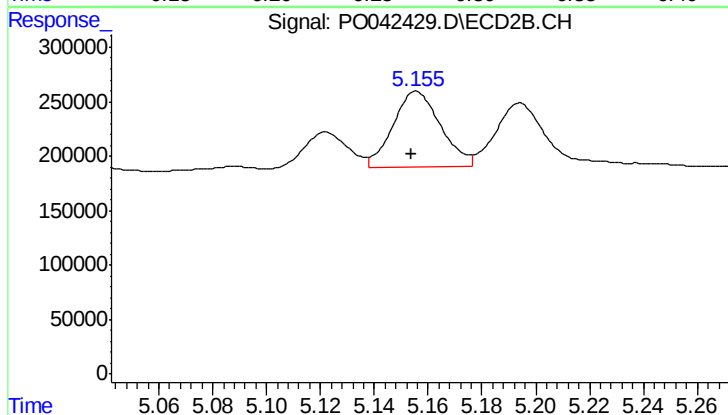
R.T.: 5.686 min  
Delta R.T.: 0.002 min  
Response: 243116  
Conc: 32.83 ng/ml



#26 AR-1254-1

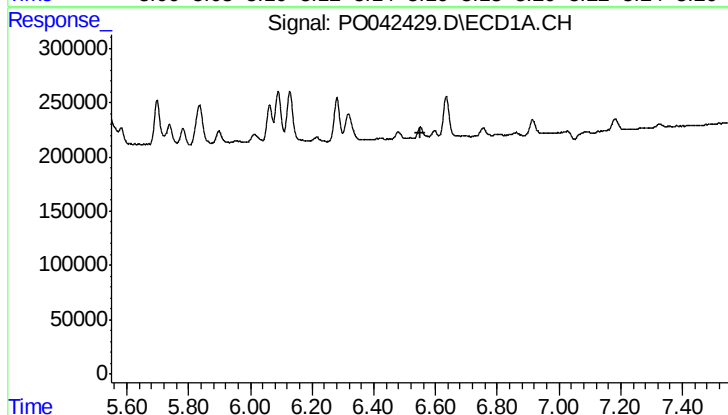
R.T.: 6.280 min  
Delta R.T.: 0.003 min  
Response: 366723  
Conc: 27.83 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



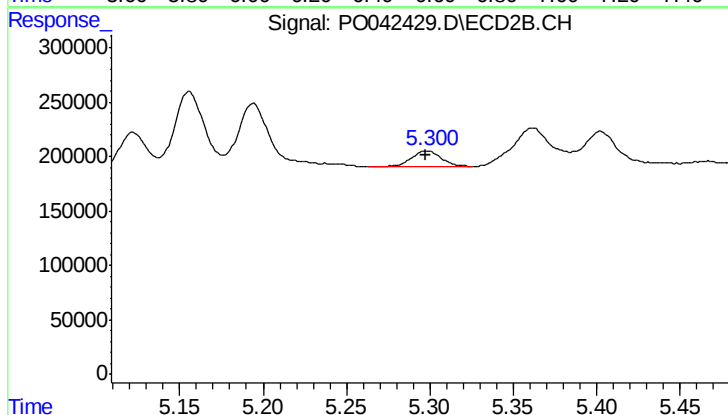
#26 AR-1254-1

R.T.: 5.156 min  
Delta R.T.: 0.002 min  
Response: 857220  
Conc: 51.29 ng/ml



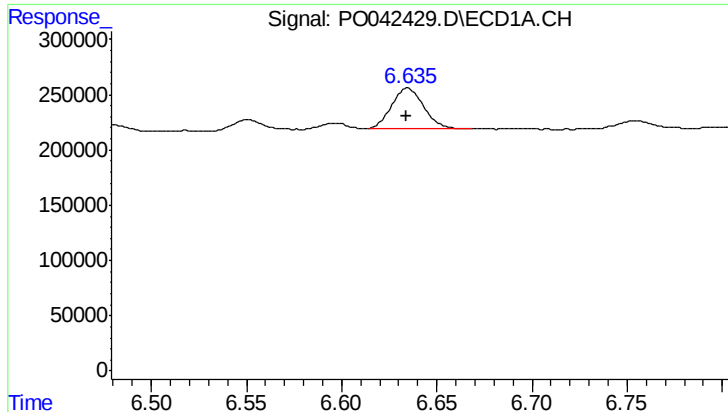
#27 AR-1254-2

R.T.: 0.000 min  
Exp R.T.: 6.549 min  
Response: 0  
Conc: N.D.



#27 AR-1254-2

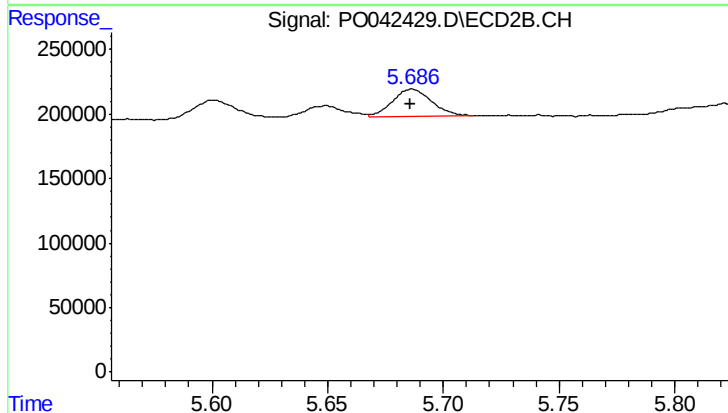
R.T.: 5.298 min  
Delta R.T.: 0.000 min  
Response: 180647  
Conc: 12.02 ng/ml



#28 AR-1254-3

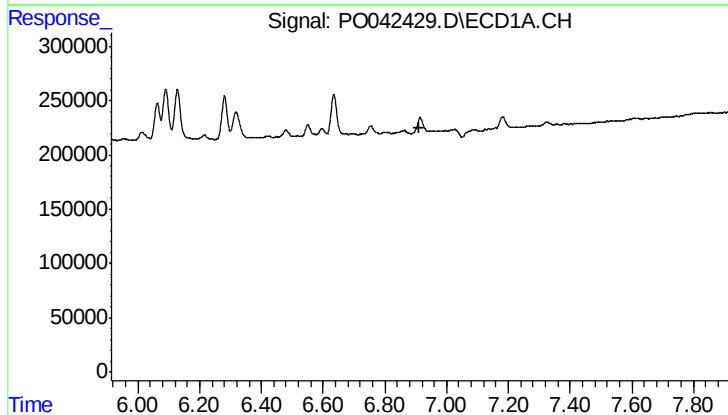
R.T.: 6.635 min  
Delta R.T.: 0.000 min  
Response: 432503  
Conc: 28.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



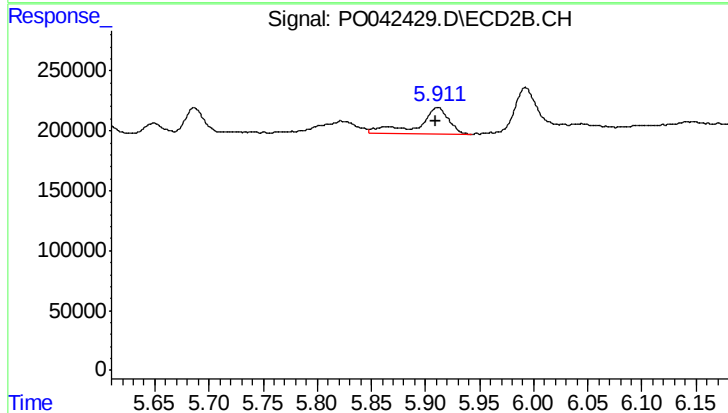
#28 AR-1254-3

R.T.: 5.686 min  
Delta R.T.: 0.000 min  
Response: 243116  
Conc: 9.91 ng/ml



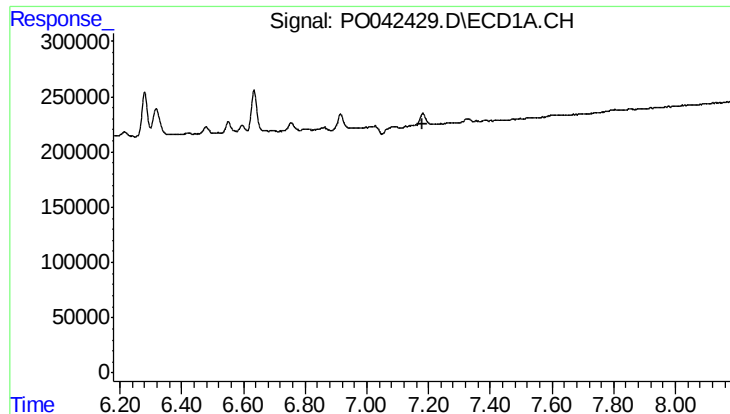
#29 AR-1254-4

R.T.: 0.000 min  
Exp R.T.: 6.913 min  
Response: 0  
Conc: N.D.



#29 AR-1254-4

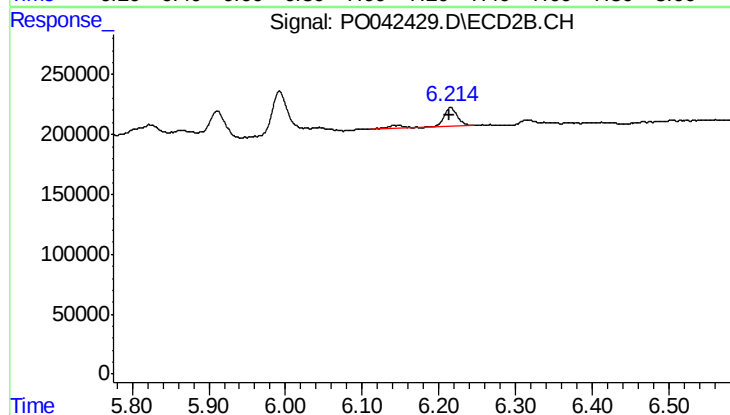
R.T.: 5.911 min  
Delta R.T.: 0.002 min  
Response: 456392  
Conc: 22.40 ng/ml



#30 AR-1254-5

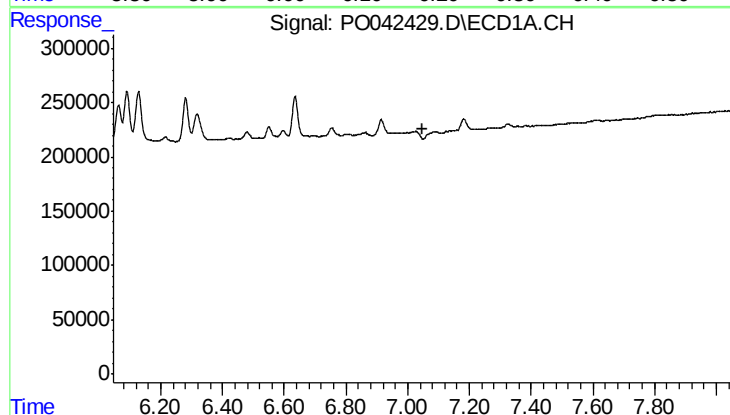
R.T.: 0.000 min  
Exp R.T.: 7.179 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



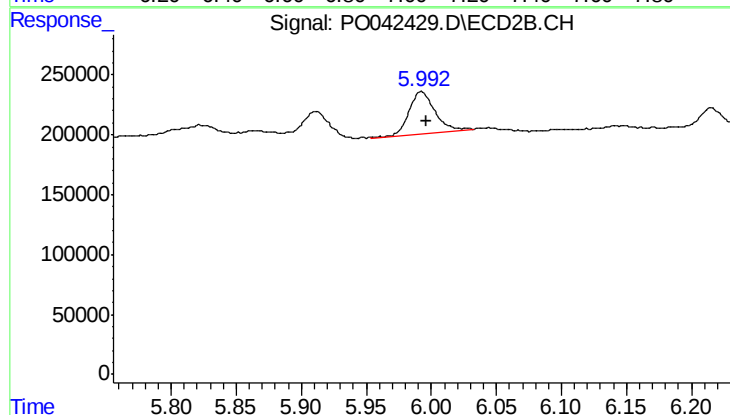
#30 AR-1254-5

R.T.: 6.215 min  
Delta R.T.: 0.001 min  
Response: 223499  
Conc: 19.29 ng/ml



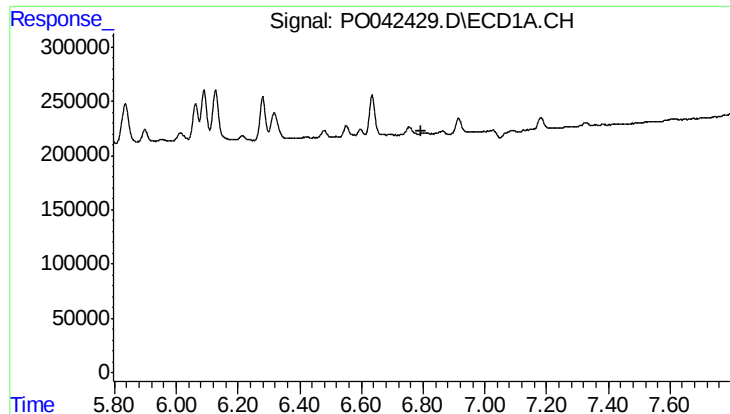
#32 AR-1260-2

R.T.: 0.000 min  
Exp R.T.: 7.046 min  
Response: 0  
Conc: N.D.



#32 AR-1260-2

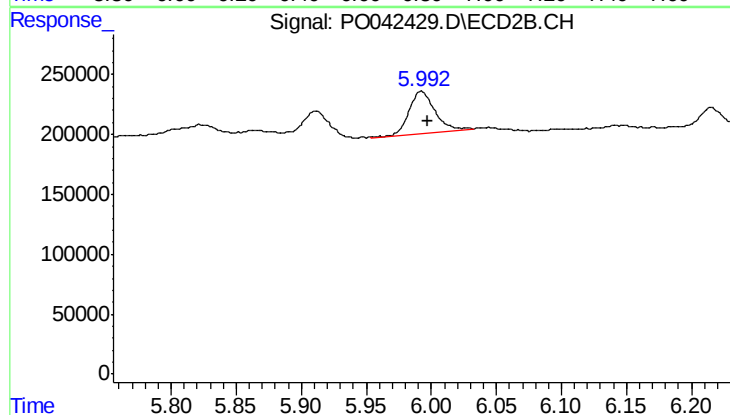
R.T.: 5.992 min  
Delta R.T.: -0.004 min  
Response: 503304  
Conc: 17.78 ng/ml



#36 AR-1262-1

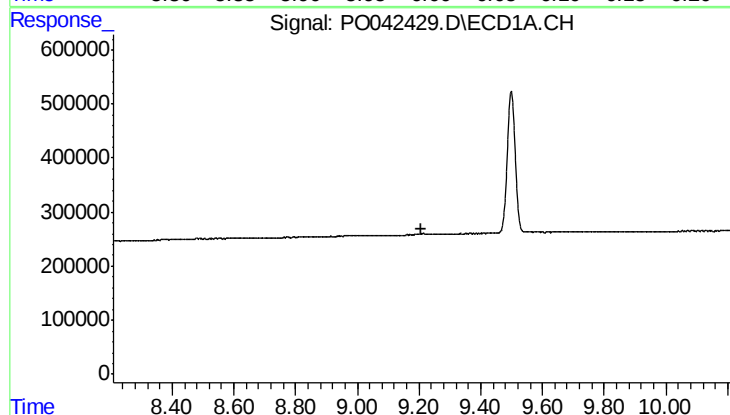
R.T.: 0.000 min  
Exp R.T.: 6.796 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242 LOQ



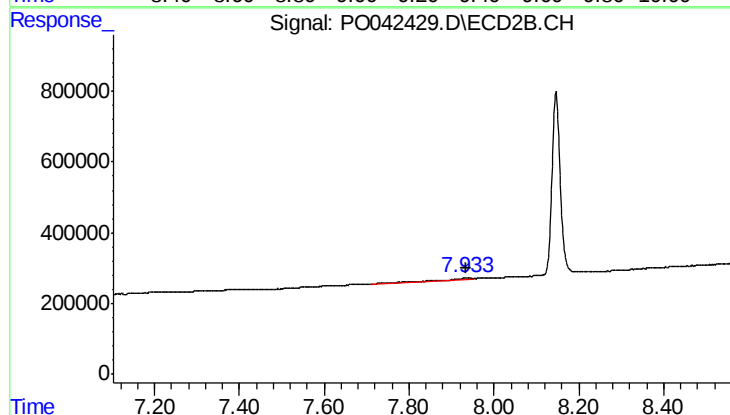
#36 AR-1262-1

R.T.: 5.992 min  
Delta R.T.: -0.004 min  
Response: 503304  
Conc: 27.04 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 9.209 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 7.938 min  
Delta R.T.: 0.005 min  
Response: 26134  
Conc: 77.11 ng/ml