

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR082019\  
 Data File : PR040450.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Aug 2019 09:49  
 Operator : SM\AJ  
 Sample : K3591-01  
 Misc : AR1232 LOD 40 PPB  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 21 00:13:48 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR081919.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Aug 20 09:47:16 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

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... | 3.732 | 4.575  | 30611222 | 153.4E6  | 17.505  | 18.314   |
| 2)                          | SA Decachlor... | 8.653 | 10.283 | 60312288 | 257.4E6  | 21.873  | 19.762   |
| Target Compounds            |                 |       |        |          |          |         |          |
| 3)                          | L1 AR-1016-1    | 4.814 | 5.729  | 4672577  | 9666532  | 69.989  | 30.750 # |
| 4)                          | L1 AR-1016-2    | 4.814 | 5.752  | 4672577  | 14073511 | 42.438  | 30.433 # |
| 5)                          | L1 AR-1016-3    | 4.988 | 5.813  | 1434713  | 11330671 | 27.668  | 37.751 # |
| 6)                          | L1 AR-1016-4    | 5.029 | 5.911  | 956932   | 7154041  | 22.707  | 30.411 # |
| 7)                          | L1 AR-1016-5    | 5.237 | 6.199  | 1780265  | 6895632  | 30.234  | 29.765   |
| 8)                          | L2 AR-1221-1    | 3.941 | 4.781  | 827905   | 4371604  | 42.605  | 50.460   |
| 9)                          | L2 AR-1221-2    | 4.027 | 4.870  | 1089896  | 4735884  | 69.680  | 73.149   |
| 10)                         | L2 AR-1221-3    | 4.101 | 4.944  | 2786001  | 10825458 | 58.149  | 51.572   |
| 11)                         | L3 AR-1232-1    | 4.101 | 4.944  | 2786001  | 10825458 | 51.685  | 43.914   |
| 12)                         | L3 AR-1232-2    | 4.814 | 5.466  | 4672577  | 6863340  | 64.537  | 54.591   |
| 13)                         | L3 AR-1232-3    | 4.988 | 5.752  | 1434713  | 14073511 | 44.651  | 49.105   |
| 14)                         | L3 AR-1232-4    | 5.069 | 5.911  | 1024620  | 7154041  | 35.602  | 49.822 # |
| 15)                         | L3 AR-1232-5    | 5.237 | 5.996  | 1780265  | 4325688  | 54.144  | 44.707   |
| 16)                         | L4 AR-1242-1    | 4.814 | 5.729  | 4672577  | 9666532  | 84.785  | 36.592 # |
| 17)                         | L4 AR-1242-2    | 4.814 | 5.752  | 4672577  | 14073511 | 48.209  | 35.707 # |
| 18)                         | L4 AR-1242-3    | 4.988 | 5.813  | 1434713  | 11330671 | 31.958  | 43.434 # |
| 19)                         | L4 AR-1242-4    | 5.069 | 5.911  | 1024620  | 7154041  | 23.143  | 34.093 # |
| 20)                         | L4 AR-1242-5    | 5.581 | 6.636  | 1739886  | 7888902  | 27.299  | 33.781   |
| 21)                         | L5 AR-1248-1    | 4.814 | 5.729  | 4672577  | 9666532  | 111.465 | 51.354 # |
| 22)                         | L5 AR-1248-2    | 5.029 | 5.996  | 956932   | 4325688  | 16.326  | 17.053   |
| 23)                         | L5 AR-1248-3    | 5.069 | 6.199  | 1024620  | 6895632  | 16.744  | 23.003 # |
| 24)                         | L5 AR-1248-4    | 5.237 | 6.598  | 1780265  | 7148248  | 22.857  | 19.325   |
| 25)                         | L5 AR-1248-5    | 5.622 | 6.636  | 1544167  | 7888902  | 18.510  | 22.478   |
| 26)                         | L6 AR-1254-1    | 5.581 | 6.570  | 1739886  | 6211451  | 14.062  | 17.940 # |
| 27)                         | L6 AR-1254-2    | 5.792 | 6.794  | 1485377  | 6706473  | 13.653  | 12.222   |
| 28)                         | L6 AR-1254-3    | 0.000 | 7.152  | 0        | 3948304  | N.D.    | 6.348 #  |
| 29)                         | L6 AR-1254-4    | 0.000 | 7.432  | 0        | 2240439  | N.D.    | 4.659 #  |
| 31)                         | L7 AR-1260-1    | 0.000 | 7.273  | 0        | 932402   | N.D.    | 2.167 #  |
| 35)                         | L7 AR-1260-5    | 0.000 | 8.464  | 0        | 2931954  | N.D.    | 2.565 #  |
| 37)                         | L8 AR-1262-2    | 0.000 | 8.464  | 0        | 2931954  | N.D.    | 2.146 #  |
| 38)                         | L8 AR-1262-3    | 0.000 | 8.799  | 0        | 660842   | N.D.    | 0.721 #  |
| 39)                         | L8 AR-1262-4    | 0.000 | 8.819  | 0        | 182859   | N.D.    | 0.260 #  |
| 41)                         | L9 AR-1268-1    | 0.000 | 8.799  | 0        | 660842   | N.D.    | 0.431 #  |
| 42)                         | L9 AR-1268-2    | 0.000 | 8.819  | 0        | 182859   | N.D.    | 0.125 #  |
| 43)                         | L9 AR-1268-3    | 0.000 | 9.103  | 0        | 4279255  | N.D.    | 3.463 #  |
| 45)                         | L9 AR-1268-5    | 0.000 | 9.952  | 0        | 2142571  | N.D.    | 0.461 #  |
| -----                       |                 |       |        |          |          |         |          |

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

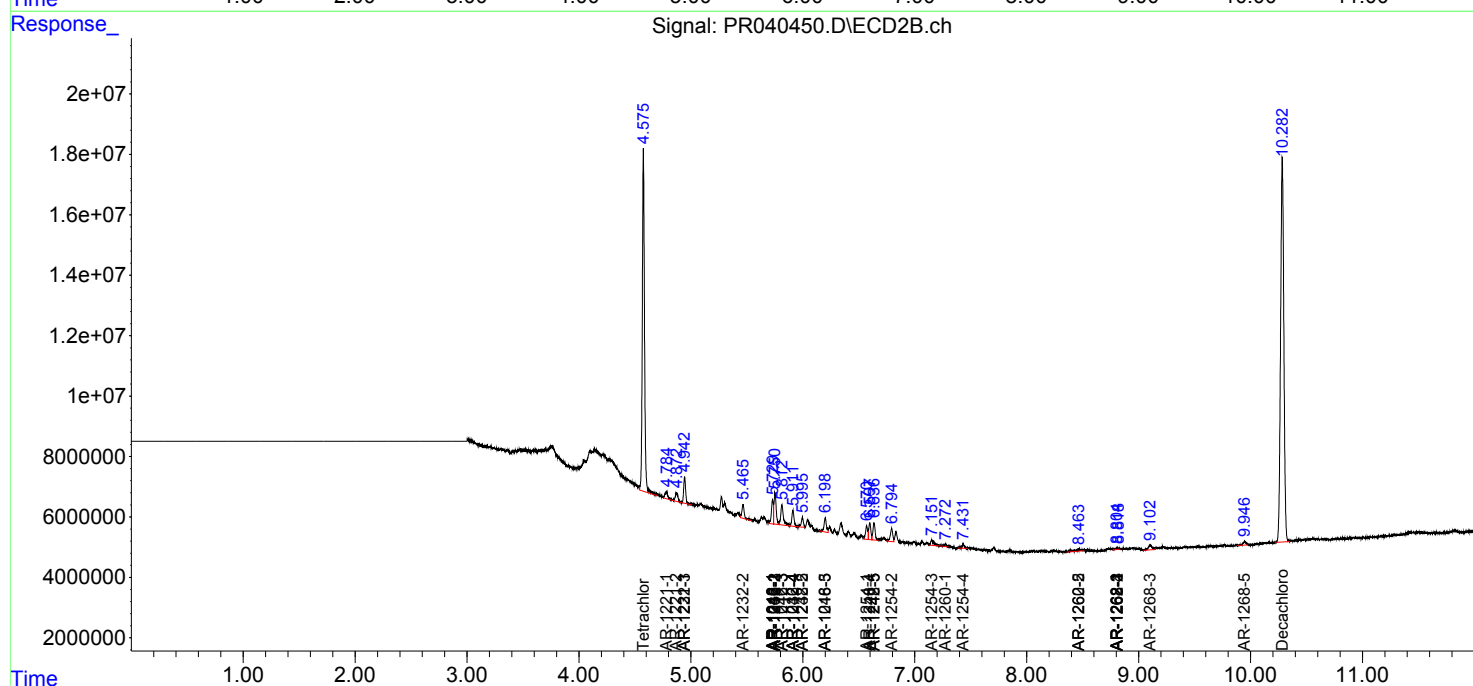
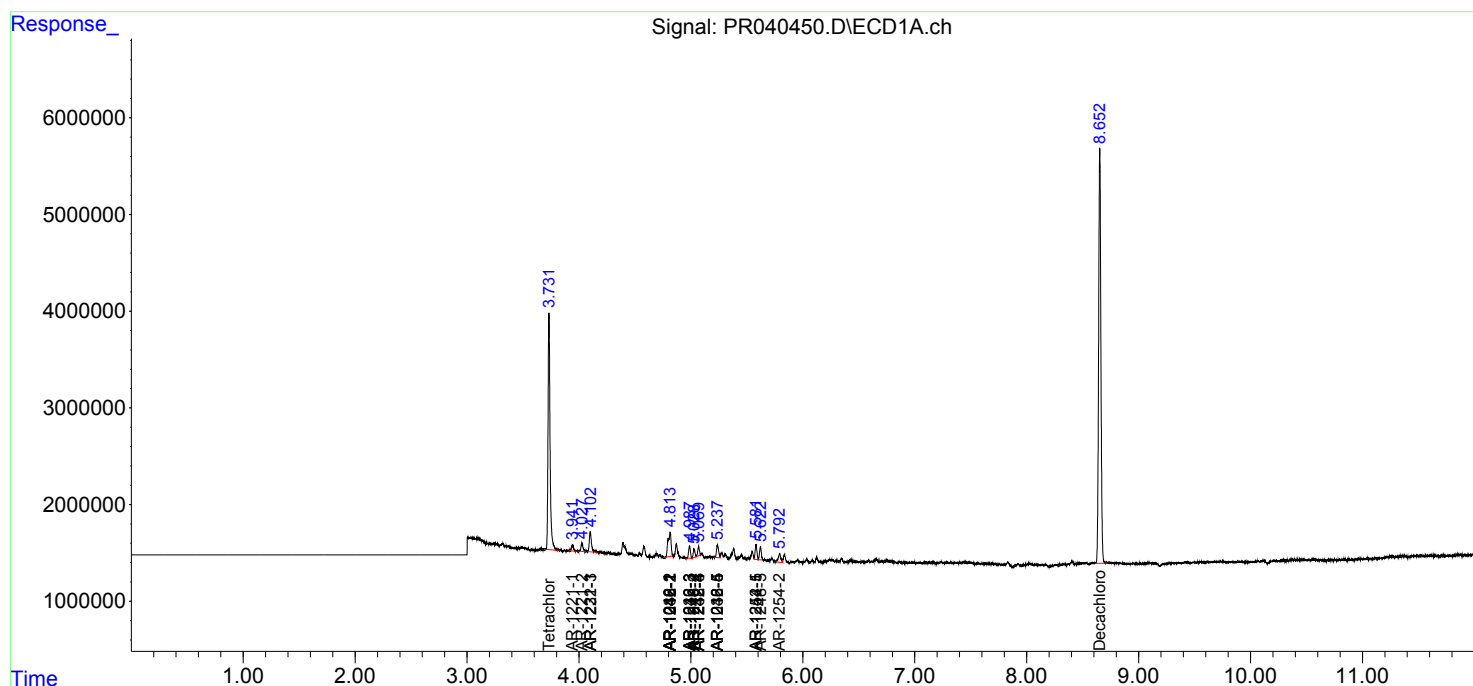
Instrument :  
ECD\_R  
ClientSampleId :

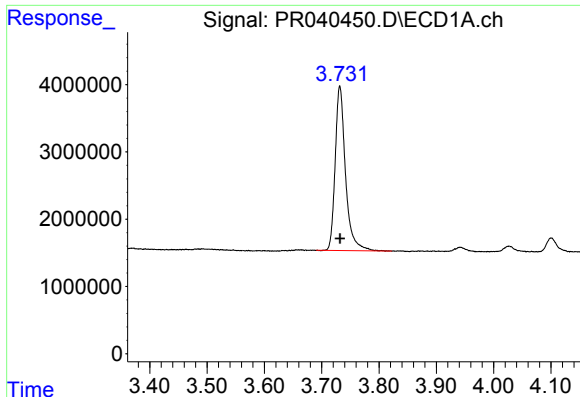
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR082019\  
Data File : PR040450.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Aug 2019 09:49  
Operator : SM\AJ  
Sample : K3591-01  
Misc : AR1232 LOD 40 PPB  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_R  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 21 00:13:48 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR081919.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Aug 20 09:47:16 2019  
Response via : Initial Calibration  
Integrator: ChemStation

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

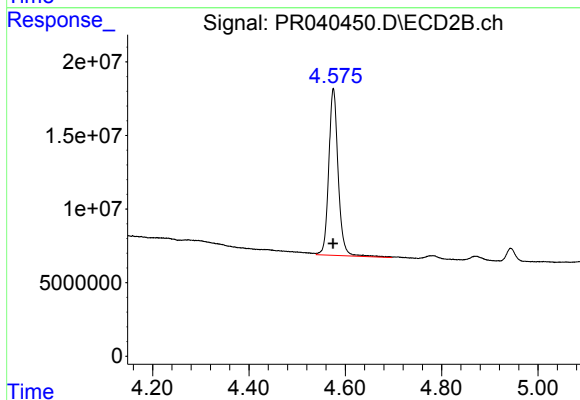




#1 Tetrachloro-m-xylene

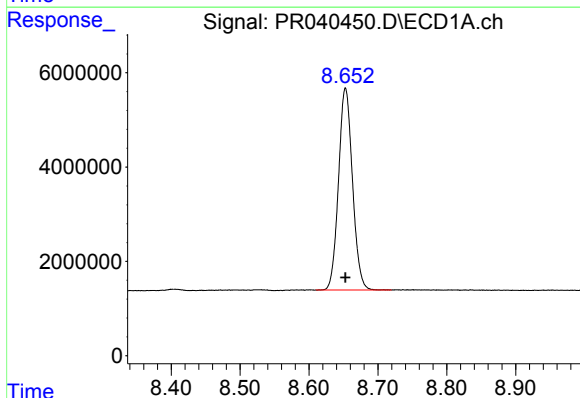
R.T.: 3.732 min  
Delta R.T.: 0.000 min  
Response: 30611222  
Conc: 17.51 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



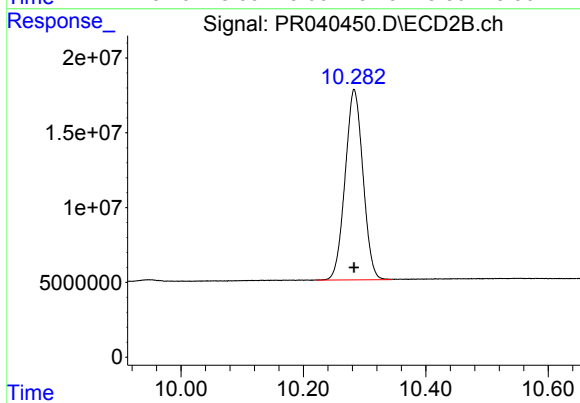
#1 Tetrachloro-m-xylene

R.T.: 4.575 min  
Delta R.T.: 0.000 min  
Response: 153354924  
Conc: 18.31 ng/ml



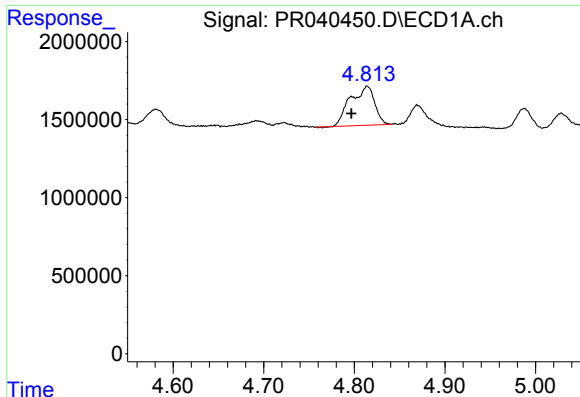
#2 Decachlorobiphenyl

R.T.: 8.653 min  
Delta R.T.: 0.000 min  
Response: 60312288  
Conc: 21.87 ng/ml



#2 Decachlorobiphenyl

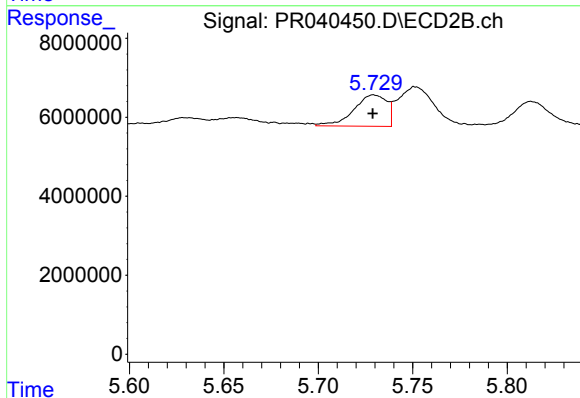
R.T.: 10.283 min  
Delta R.T.: 0.000 min  
Response: 257429763  
Conc: 19.76 ng/ml



#3 AR-1016-1

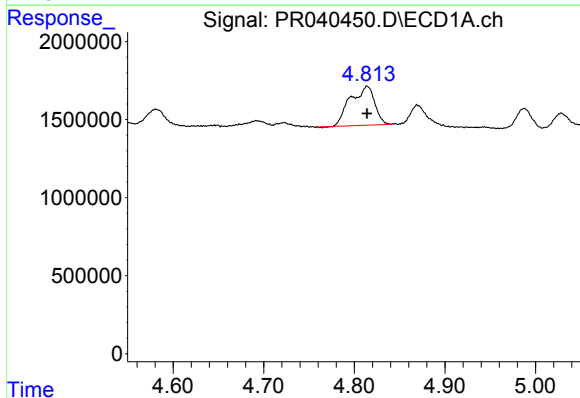
R.T.: 4.814 min  
Delta R.T.: 0.017 min  
Response: 4672577  
Conc: 69.99 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



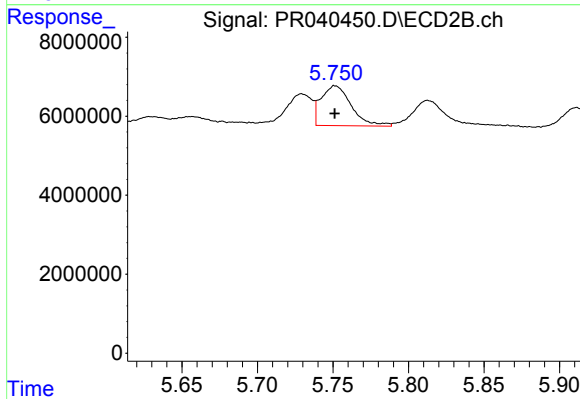
#3 AR-1016-1

R.T.: 5.729 min  
Delta R.T.: 0.000 min  
Response: 9666532  
Conc: 30.75 ng/ml



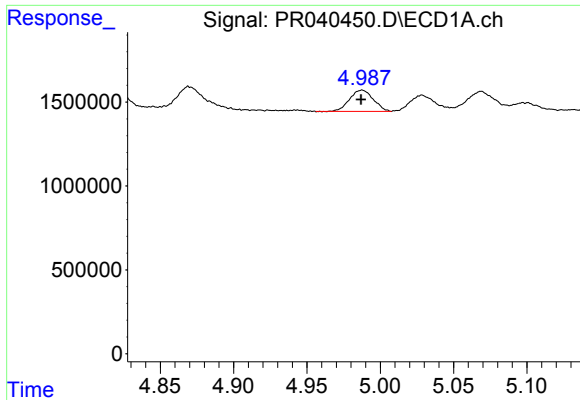
#4 AR-1016-2

R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 4672577  
Conc: 42.44 ng/ml



#4 AR-1016-2

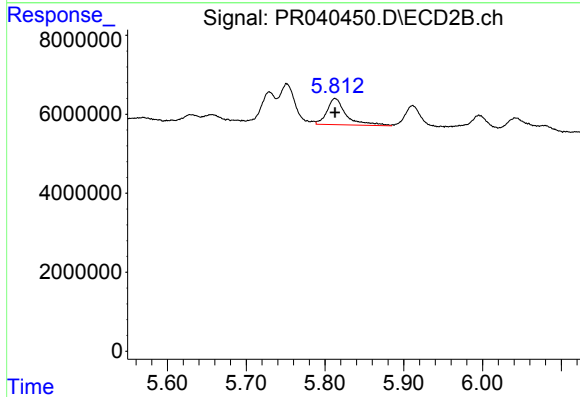
R.T.: 5.752 min  
Delta R.T.: 0.000 min  
Response: 14073511  
Conc: 30.43 ng/ml



#5 AR-1016-3

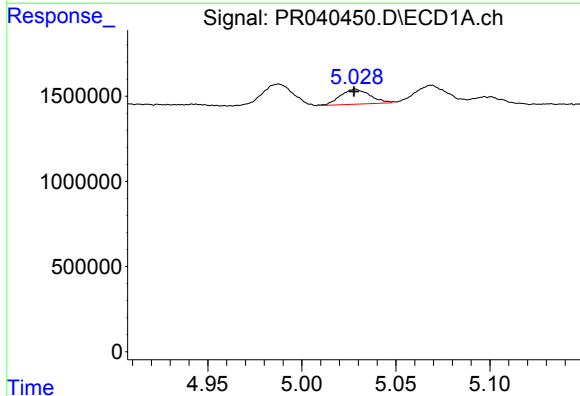
R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 1434713  
Conc: 27.67 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



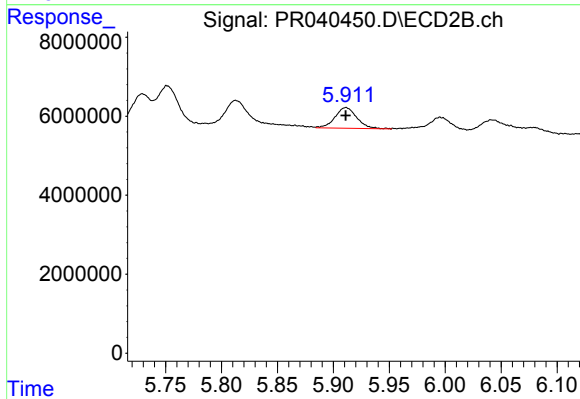
#5 AR-1016-3

R.T.: 5.813 min  
Delta R.T.: 0.000 min  
Response: 11330671  
Conc: 37.75 ng/ml



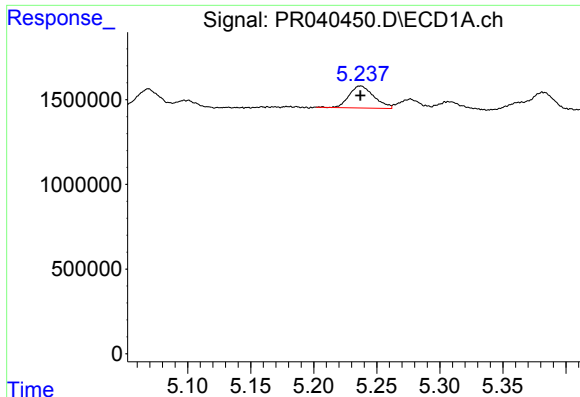
#6 AR-1016-4

R.T.: 5.029 min  
Delta R.T.: 0.000 min  
Response: 956932  
Conc: 22.71 ng/ml



#6 AR-1016-4

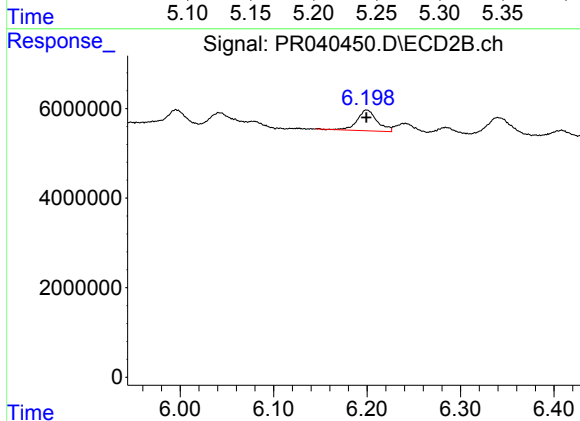
R.T.: 5.911 min  
Delta R.T.: 0.000 min  
Response: 7154041  
Conc: 30.41 ng/ml



#7 AR-1016-5

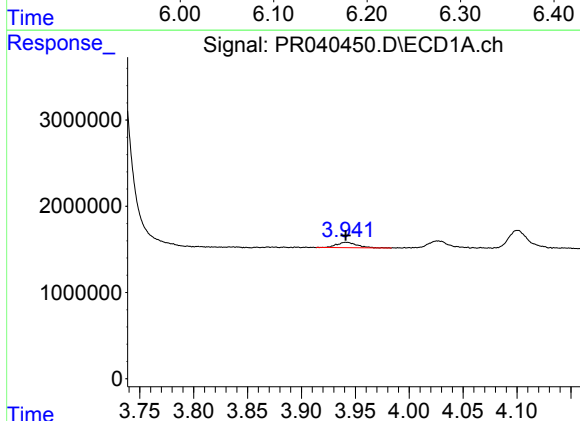
R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 1780265  
Conc: 30.23 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



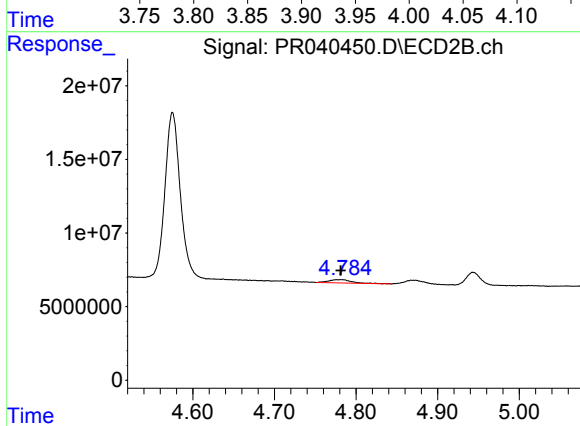
#7 AR-1016-5

R.T.: 6.199 min  
Delta R.T.: 0.000 min  
Response: 6895632  
Conc: 29.76 ng/ml



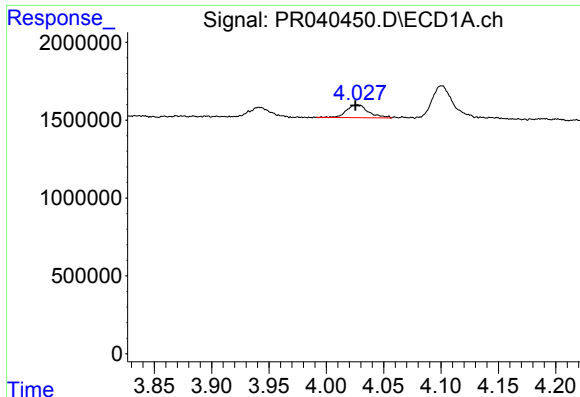
#8 AR-1221-1

R.T.: 3.941 min  
Delta R.T.: 0.000 min  
Response: 827905  
Conc: 42.60 ng/ml



#8 AR-1221-1

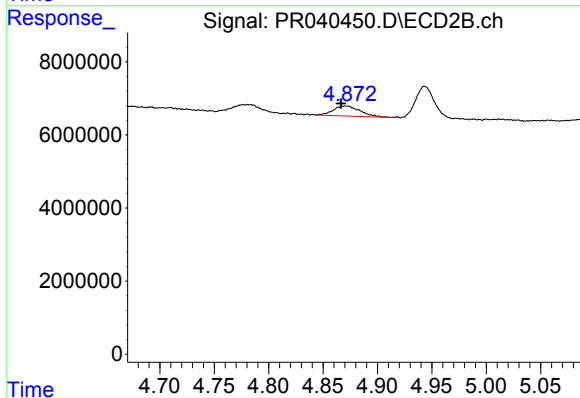
R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 4371604  
Conc: 50.46 ng/ml



#9 AR-1221-2

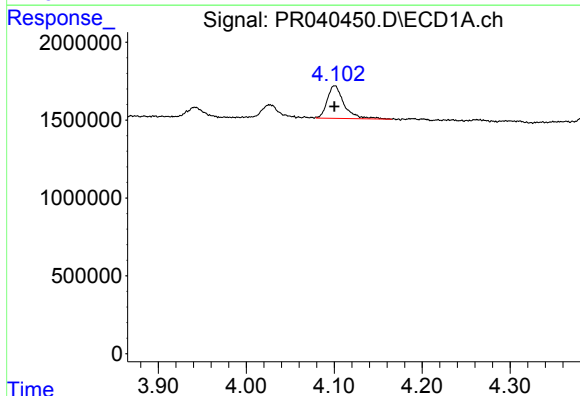
R.T.: 4.027 min  
Delta R.T.: 0.001 min  
Response: 1089896  
Conc: 69.68 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



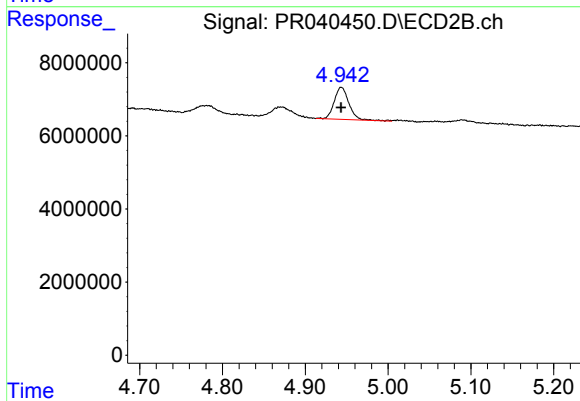
#9 AR-1221-2

R.T.: 4.870 min  
Delta R.T.: 0.004 min  
Response: 4735884  
Conc: 73.15 ng/ml



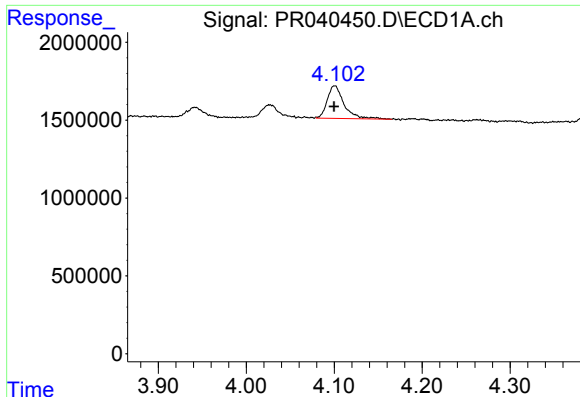
#10 AR-1221-3

R.T.: 4.101 min  
Delta R.T.: 0.000 min  
Response: 2786001  
Conc: 58.15 ng/ml



#10 AR-1221-3

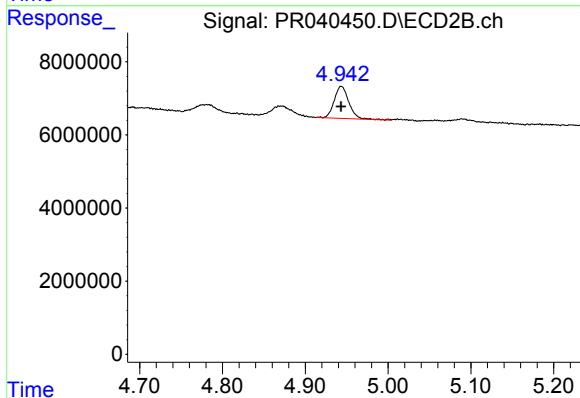
R.T.: 4.944 min  
Delta R.T.: 0.000 min  
Response: 10825458  
Conc: 51.57 ng/ml



#11 AR-1232-1

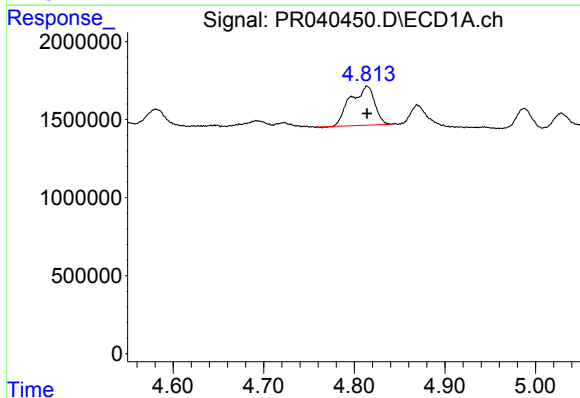
R.T.: 4.101 min  
Delta R.T.: 0.001 min  
Response: 2786001  
Conc: 51.68 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



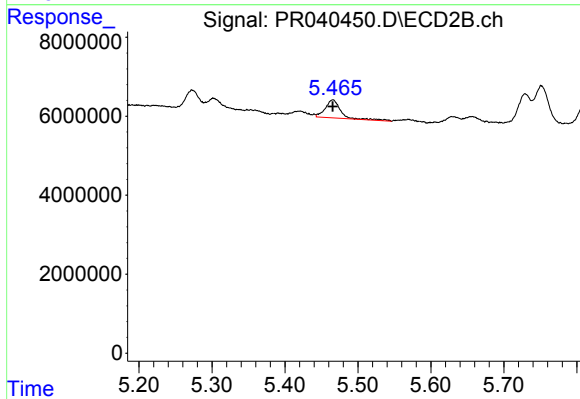
#11 AR-1232-1

R.T.: 4.944 min  
Delta R.T.: 0.000 min  
Response: 10825458  
Conc: 43.91 ng/ml



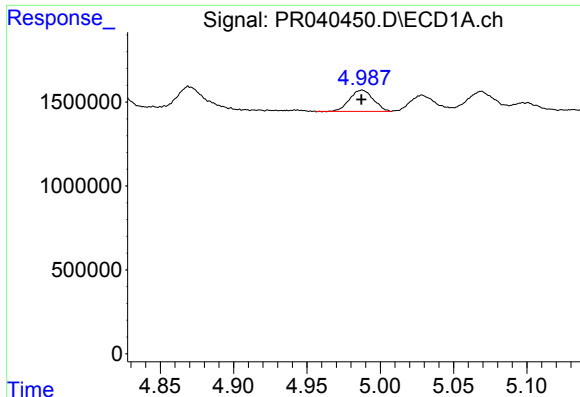
#12 AR-1232-2

R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 4672577  
Conc: 64.54 ng/ml



#12 AR-1232-2

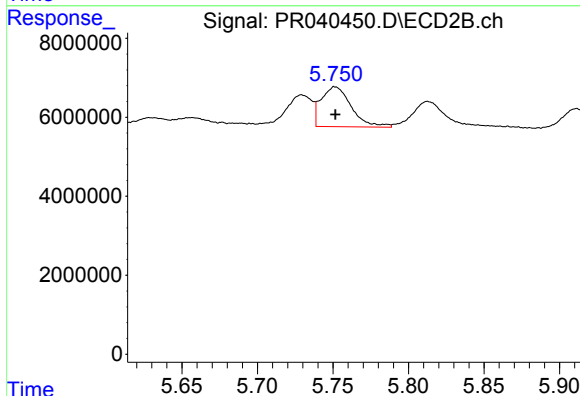
R.T.: 5.466 min  
Delta R.T.: 0.000 min  
Response: 6863340  
Conc: 54.59 ng/ml



#13 AR-1232-3

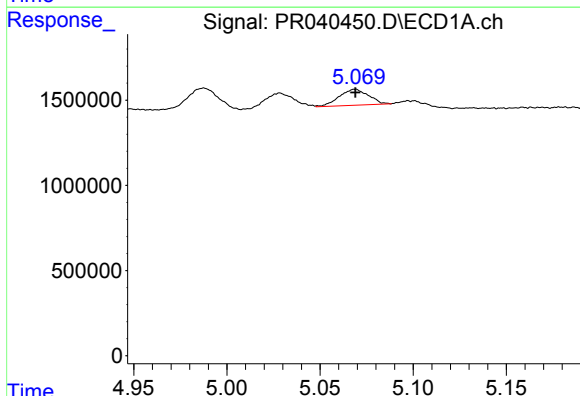
R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 1434713  
Conc: 44.65 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



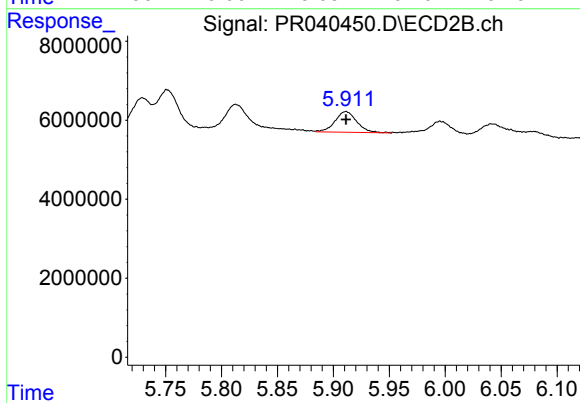
#13 AR-1232-3

R.T.: 5.752 min  
Delta R.T.: 0.000 min  
Response: 14073511  
Conc: 49.11 ng/ml



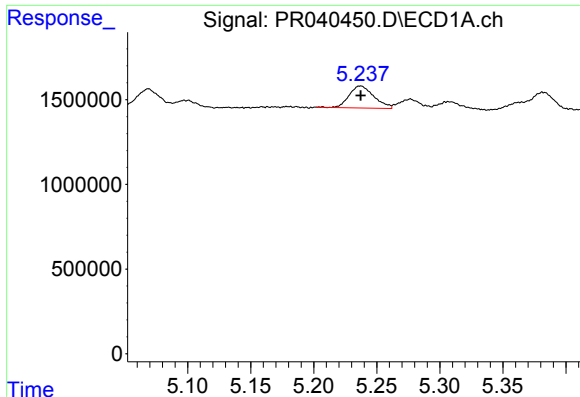
#14 AR-1232-4

R.T.: 5.069 min  
Delta R.T.: 0.000 min  
Response: 1024620  
Conc: 35.60 ng/ml



#14 AR-1232-4

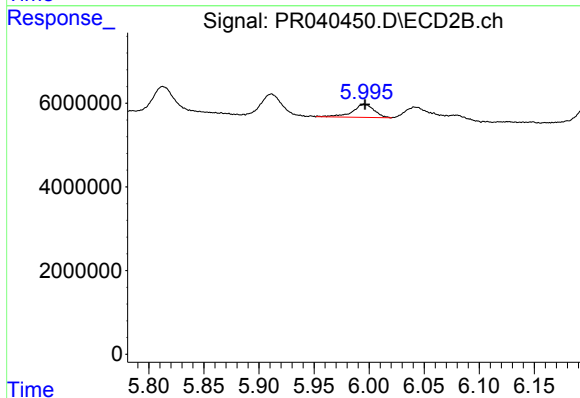
R.T.: 5.911 min  
Delta R.T.: 0.000 min  
Response: 7154041  
Conc: 49.82 ng/ml



#15 AR-1232-5

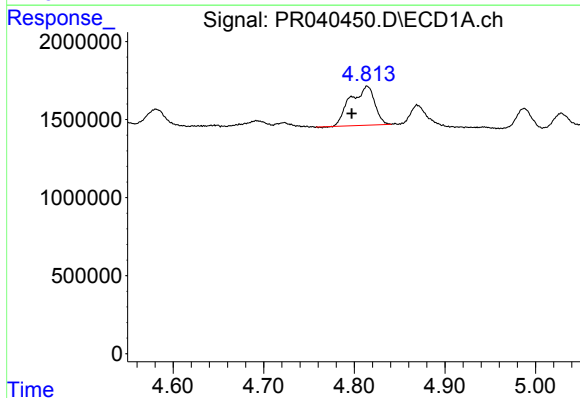
R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 1780265  
Conc: 54.14 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



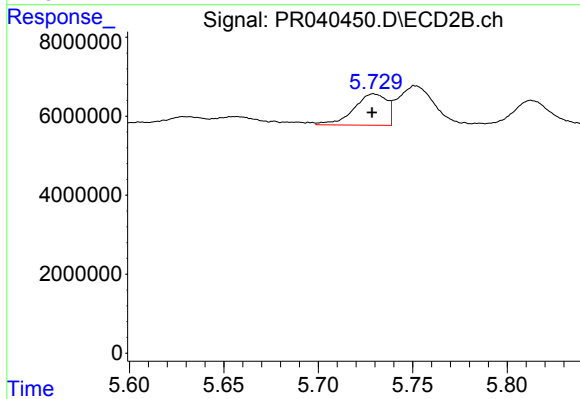
#15 AR-1232-5

R.T.: 5.996 min  
Delta R.T.: 0.000 min  
Response: 4325688  
Conc: 44.71 ng/ml



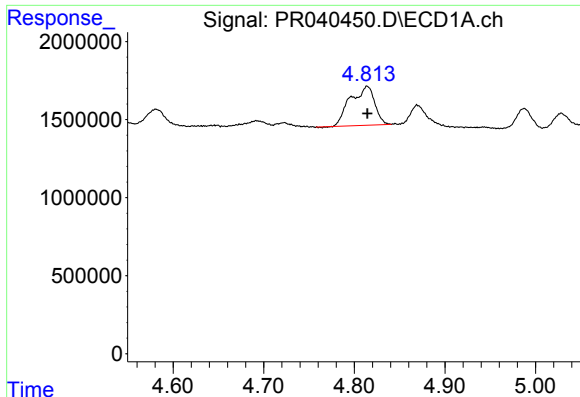
#16 AR-1242-1

R.T.: 4.814 min  
Delta R.T.: 0.017 min  
Response: 4672577  
Conc: 84.78 ng/ml



#16 AR-1242-1

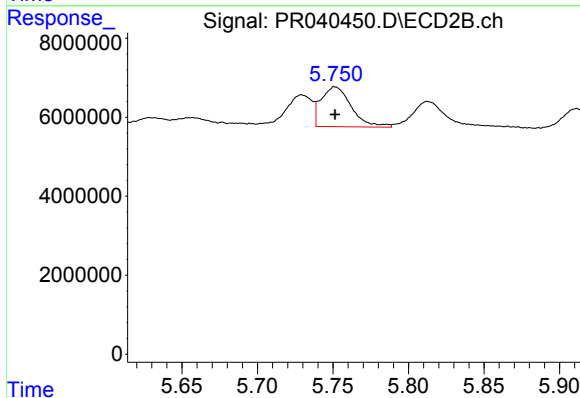
R.T.: 5.729 min  
Delta R.T.: 0.001 min  
Response: 9666532  
Conc: 36.59 ng/ml



#17 AR-1242-2

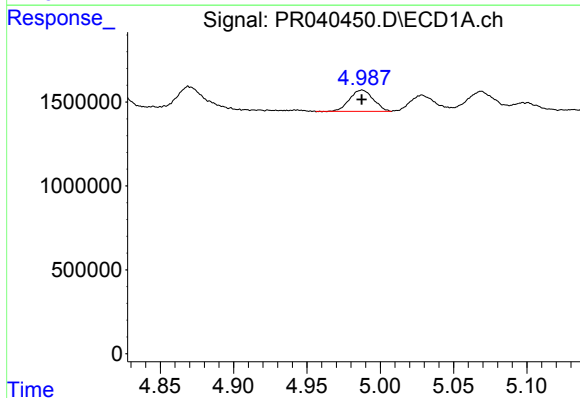
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 4672577  
Conc: 48.21 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



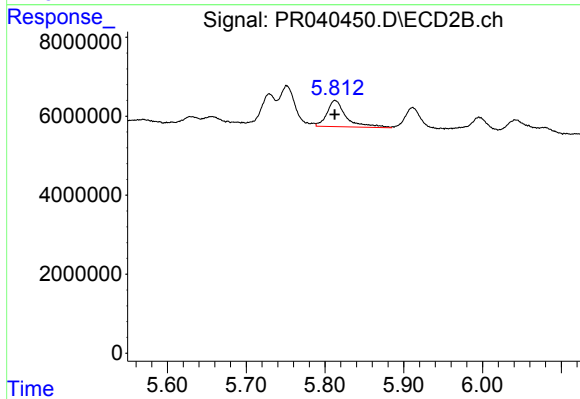
#17 AR-1242-2

R.T.: 5.752 min  
Delta R.T.: 0.000 min  
Response: 14073511  
Conc: 35.71 ng/ml



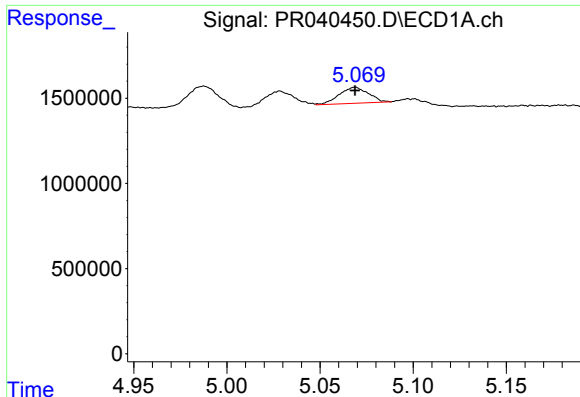
#18 AR-1242-3

R.T.: 4.988 min  
Delta R.T.: 0.000 min  
Response: 1434713  
Conc: 31.96 ng/ml



#18 AR-1242-3

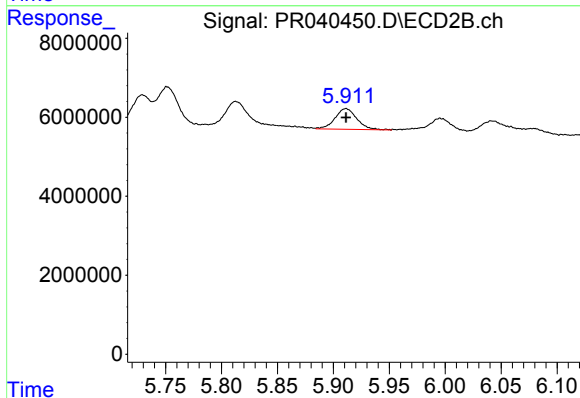
R.T.: 5.813 min  
Delta R.T.: 0.000 min  
Response: 11330671  
Conc: 43.43 ng/ml



#19 AR-1242-4

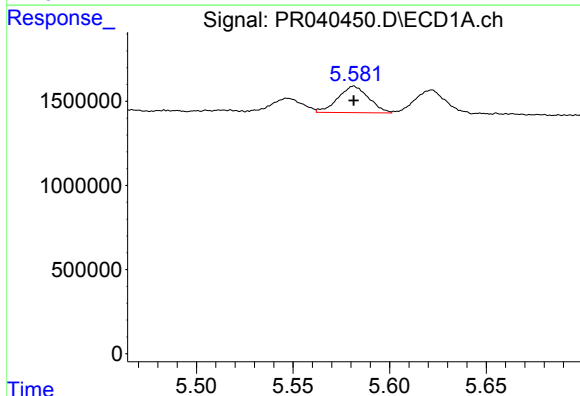
R.T.: 5.069 min  
Delta R.T.: 0.000 min  
Response: 1024620  
Conc: 23.14 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



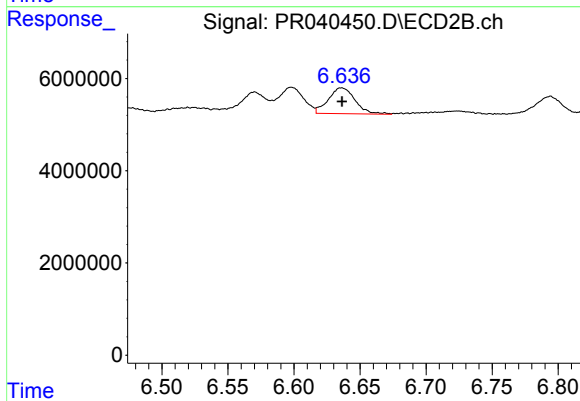
#19 AR-1242-4

R.T.: 5.911 min  
Delta R.T.: 0.000 min  
Response: 7154041  
Conc: 34.09 ng/ml



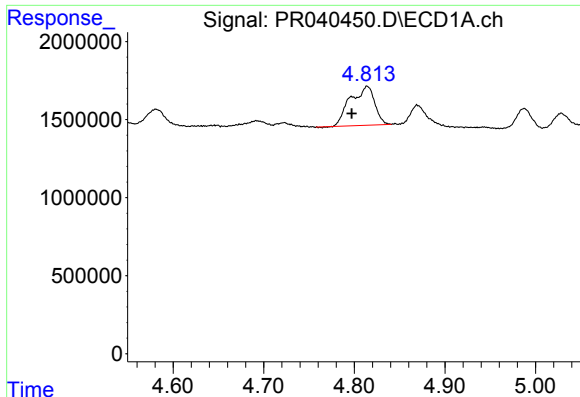
#20 AR-1242-5

R.T.: 5.581 min  
Delta R.T.: 0.000 min  
Response: 1739886  
Conc: 27.30 ng/ml



#20 AR-1242-5

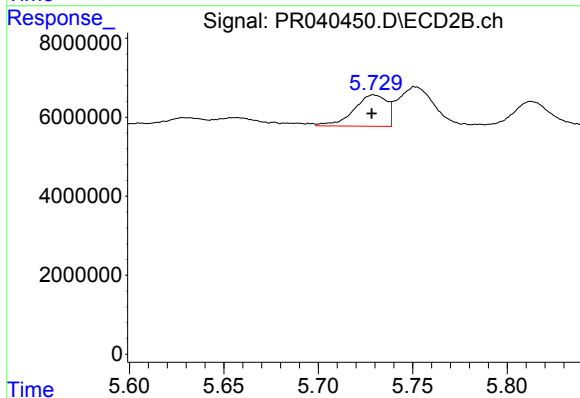
R.T.: 6.636 min  
Delta R.T.: 0.000 min  
Response: 7888902  
Conc: 33.78 ng/ml



#21 AR-1248-1

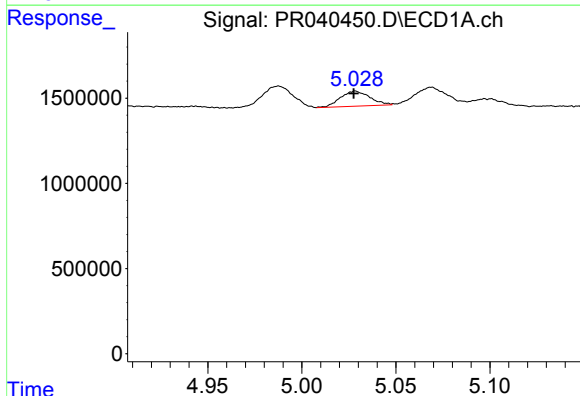
R.T.: 4.814 min  
Delta R.T.: 0.017 min  
Response: 4672577  
Conc: 111.47 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



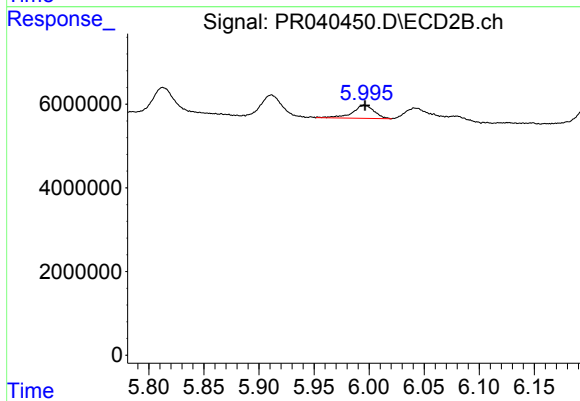
#21 AR-1248-1

R.T.: 5.729 min  
Delta R.T.: 0.001 min  
Response: 9666532  
Conc: 51.35 ng/ml



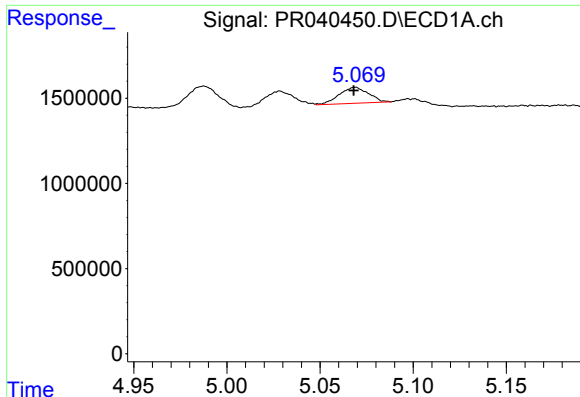
#22 AR-1248-2

R.T.: 5.029 min  
Delta R.T.: 0.001 min  
Response: 956932  
Conc: 16.33 ng/ml



#22 AR-1248-2

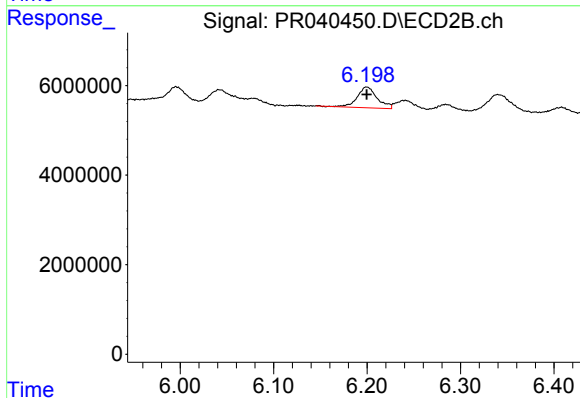
R.T.: 5.996 min  
Delta R.T.: 0.000 min  
Response: 4325688  
Conc: 17.05 ng/ml



#23 AR-1248-3

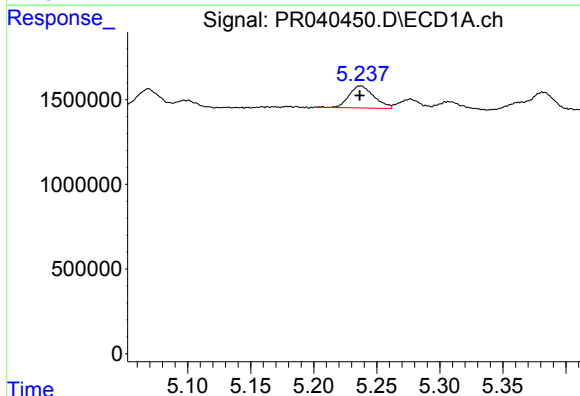
R.T.: 5.069 min  
Delta R.T.: 0.000 min  
Response: 1024620  
Conc: 16.74 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



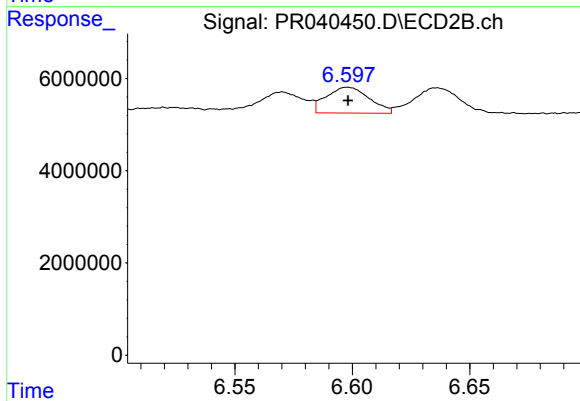
#23 AR-1248-3

R.T.: 6.199 min  
Delta R.T.: 0.000 min  
Response: 6895632  
Conc: 23.00 ng/ml



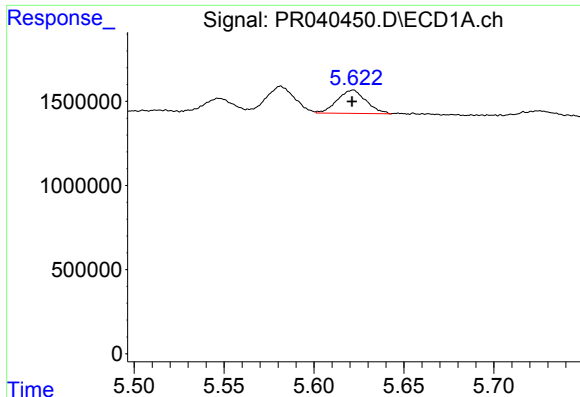
#24 AR-1248-4

R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 1780265  
Conc: 22.86 ng/ml



#24 AR-1248-4

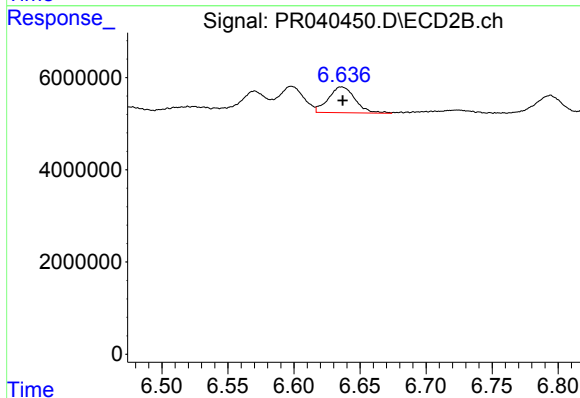
R.T.: 6.598 min  
Delta R.T.: 0.000 min  
Response: 7148248  
Conc: 19.33 ng/ml



#25 AR-1248-5

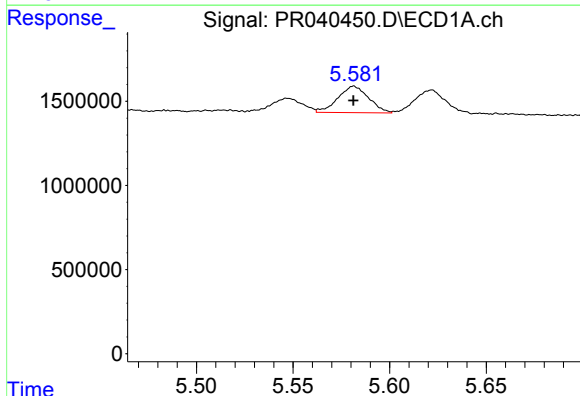
R.T.: 5.622 min  
Delta R.T.: 0.000 min  
Response: 1544167  
Conc: 18.51 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



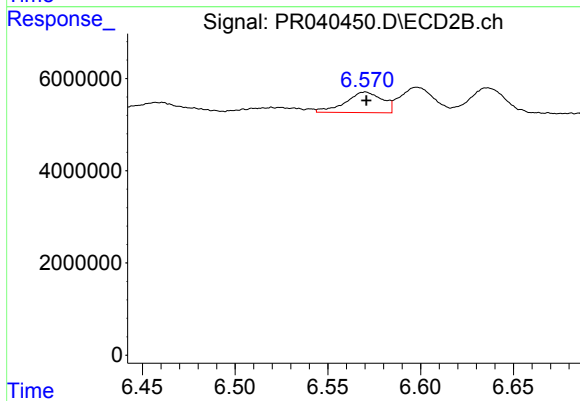
#25 AR-1248-5

R.T.: 6.636 min  
Delta R.T.: -0.001 min  
Response: 7888902  
Conc: 22.48 ng/ml



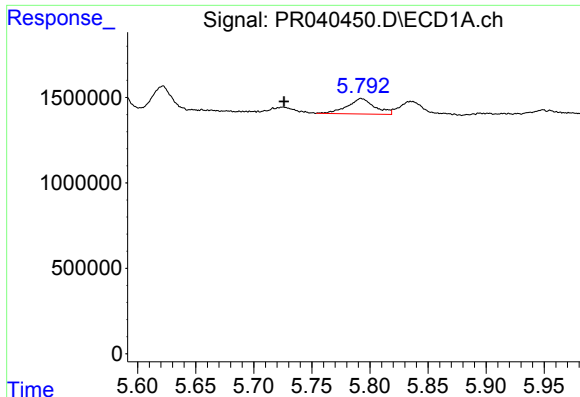
#26 AR-1254-1

R.T.: 5.581 min  
Delta R.T.: 0.000 min  
Response: 1739886  
Conc: 14.06 ng/ml



#26 AR-1254-1

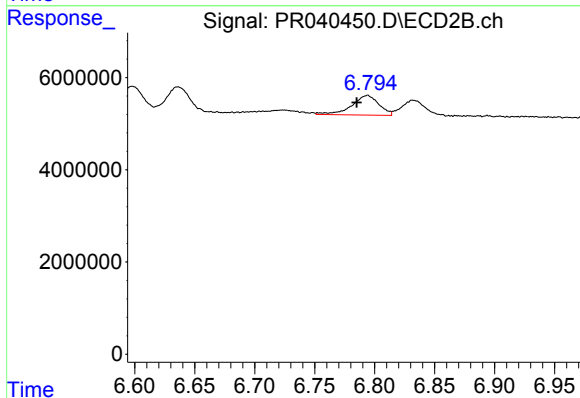
R.T.: 6.570 min  
Delta R.T.: 0.000 min  
Response: 6211451  
Conc: 17.94 ng/ml



#27 AR-1254-2

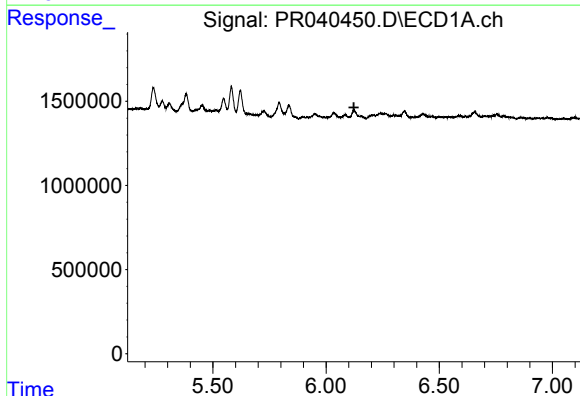
R.T.: 5.792 min  
Delta R.T.: 0.066 min  
Response: 1485377  
Conc: 13.65 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



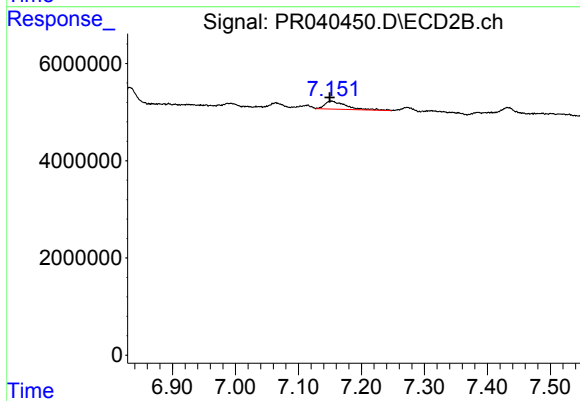
#27 AR-1254-2

R.T.: 6.794 min  
Delta R.T.: 0.009 min  
Response: 6706473  
Conc: 12.22 ng/ml



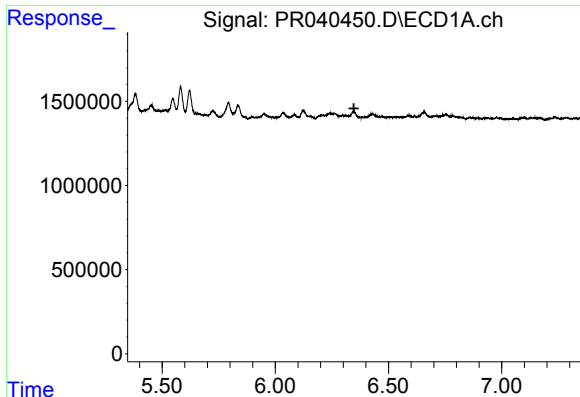
#28 AR-1254-3

R.T.: 0.000 min  
Exp R.T. : 6.123 min  
Response: 0  
Conc: N.D.



#28 AR-1254-3

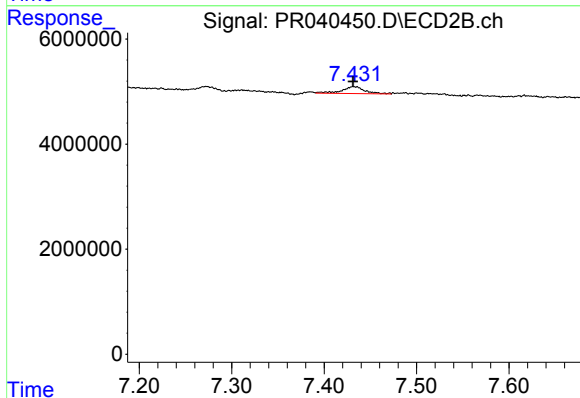
R.T.: 7.152 min  
Delta R.T.: 0.002 min  
Response: 3948304  
Conc: 6.35 ng/ml



#29 AR-1254-4

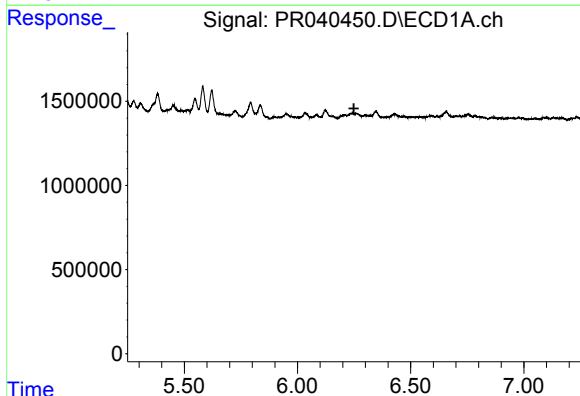
R.T.: 0.000 min  
Exp R.T.: 6.347 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



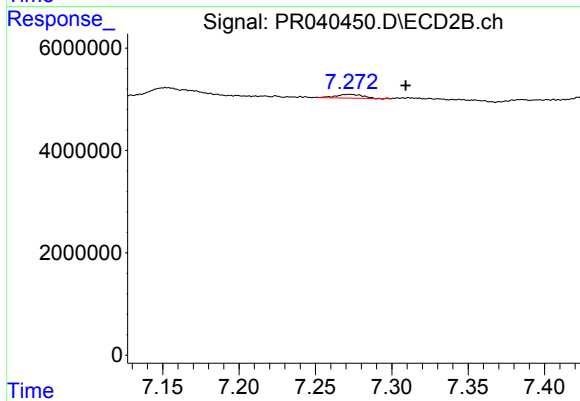
#29 AR-1254-4

R.T.: 7.432 min  
Delta R.T.: 0.000 min  
Response: 2240439  
Conc: 4.66 ng/ml



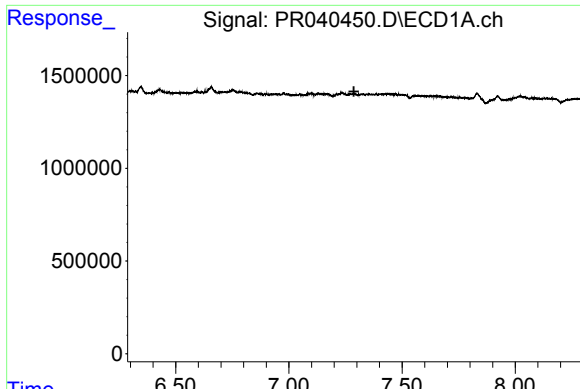
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T.: 6.249 min  
Response: 0  
Conc: N.D.



#31 AR-1260-1

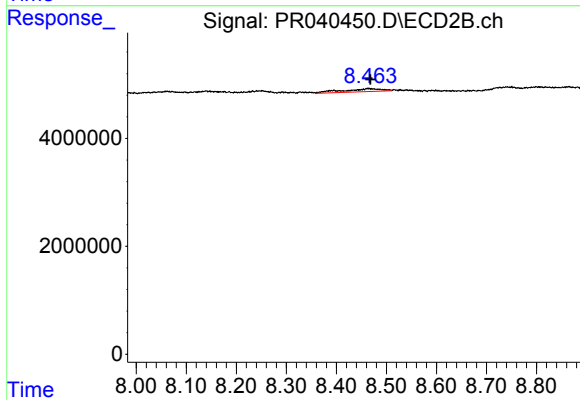
R.T.: 7.273 min  
Delta R.T.: -0.036 min  
Response: 932402  
Conc: 2.17 ng/ml



#35 AR-1260-5

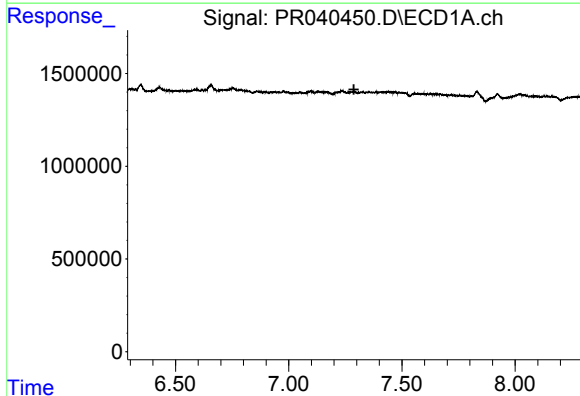
R.T.: 0.000 min  
Exp R.T.: 7.287 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



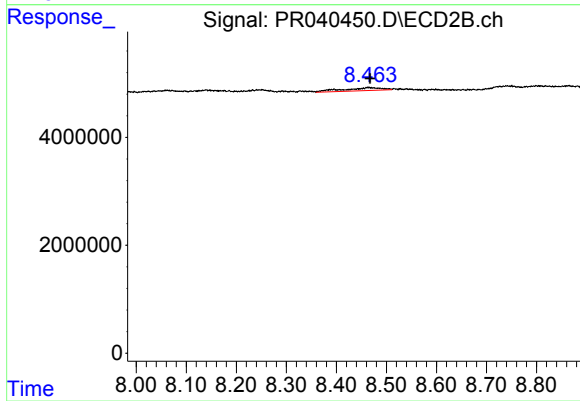
#35 AR-1260-5

R.T.: 8.464 min  
Delta R.T.: -0.004 min  
Response: 2931954  
Conc: 2.57 ng/ml



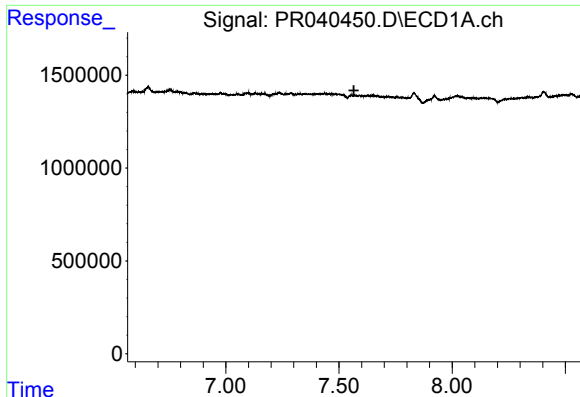
#37 AR-1262-2

R.T.: 0.000 min  
Exp R.T.: 7.288 min  
Response: 0  
Conc: N.D.



#37 AR-1262-2

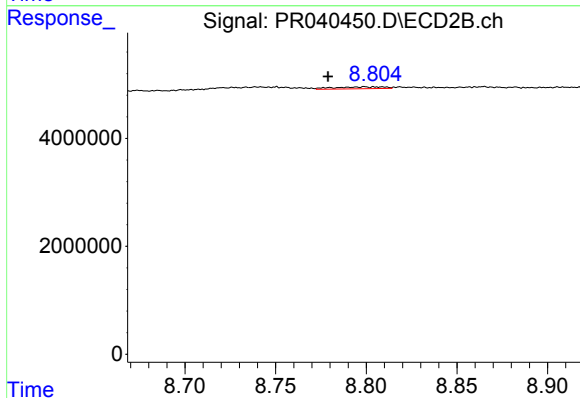
R.T.: 8.464 min  
Delta R.T.: -0.003 min  
Response: 2931954  
Conc: 2.15 ng/ml



#38 AR-1262-3

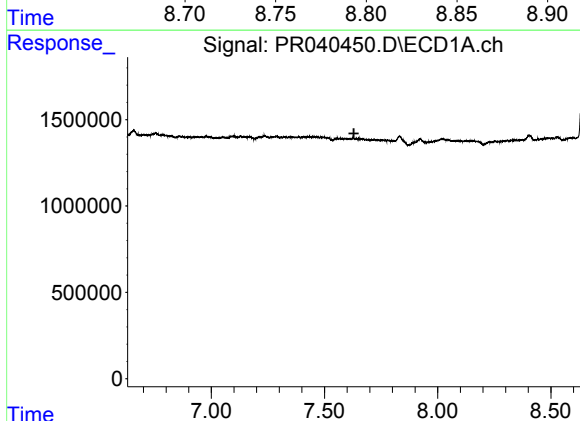
R.T.: 0.000 min  
Exp R.T.: 7.566 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



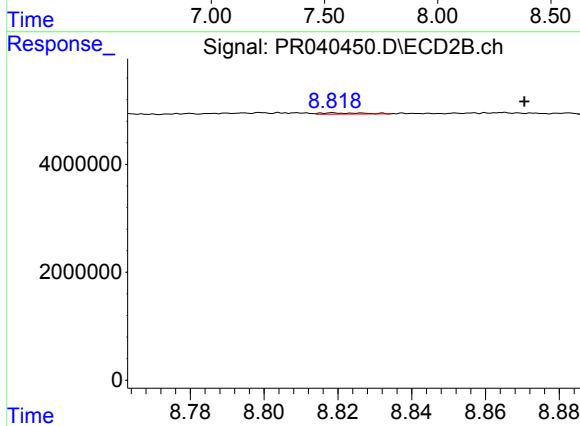
#38 AR-1262-3

R.T.: 8.799 min  
Delta R.T.: 0.020 min  
Response: 660842  
Conc: 0.72 ng/ml



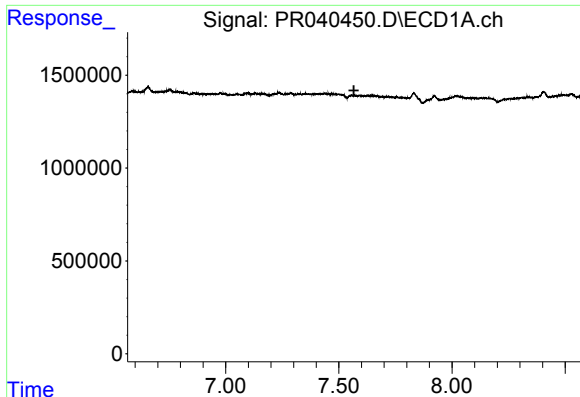
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T.: 7.630 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

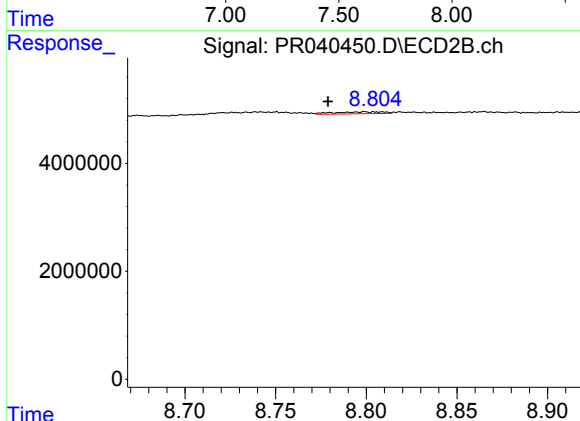
R.T.: 8.819 min  
Delta R.T.: -0.052 min  
Response: 182859  
Conc: 0.26 ng/ml



#41 AR-1268-1

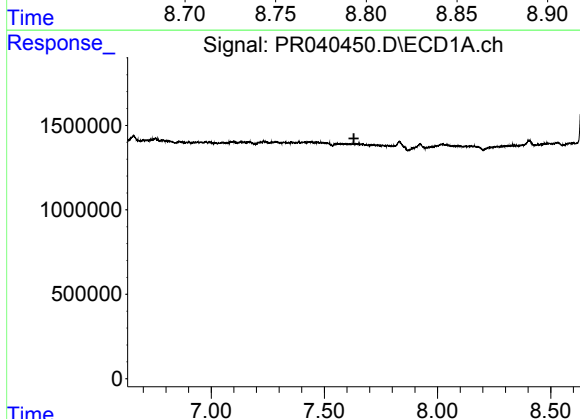
R.T.: 0.000 min  
Exp R.T.: 7.567 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



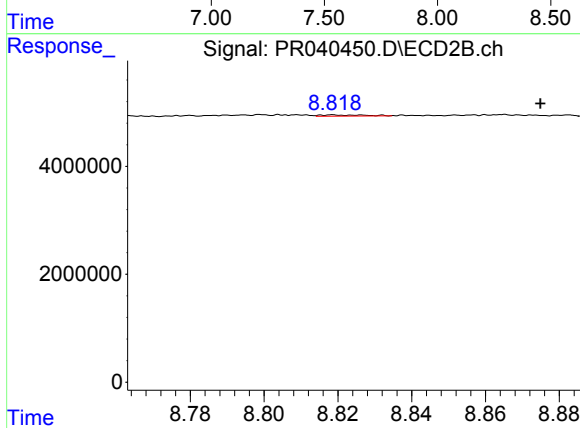
#41 AR-1268-1

R.T.: 8.799 min  
Delta R.T.: 0.020 min  
Response: 660842  
Conc: 0.43 ng/ml



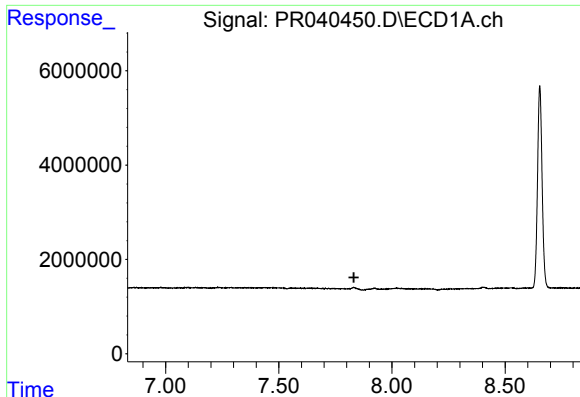
#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T.: 7.630 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

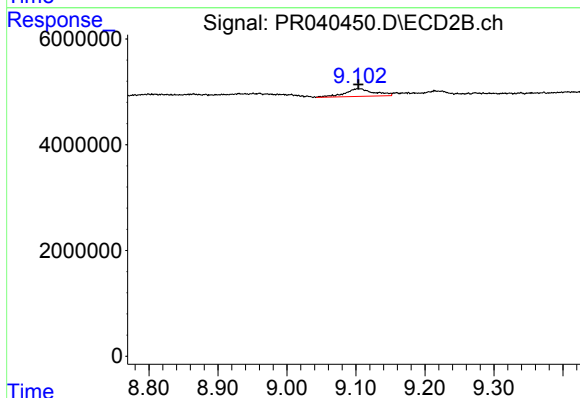
R.T.: 8.819 min  
Delta R.T.: -0.056 min  
Response: 182859  
Conc: 0.13 ng/ml



#43 AR-1268-3

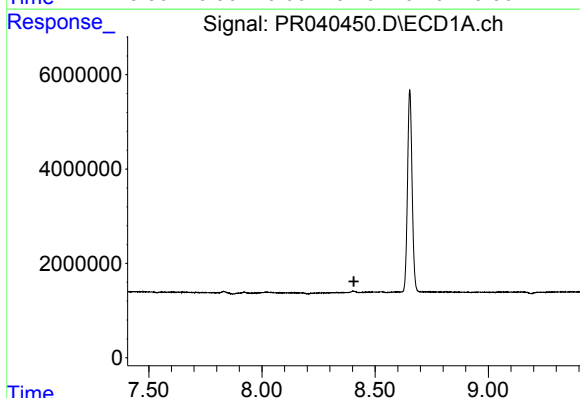
R.T.: 0.000 min  
Exp R.T.: 7.832 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



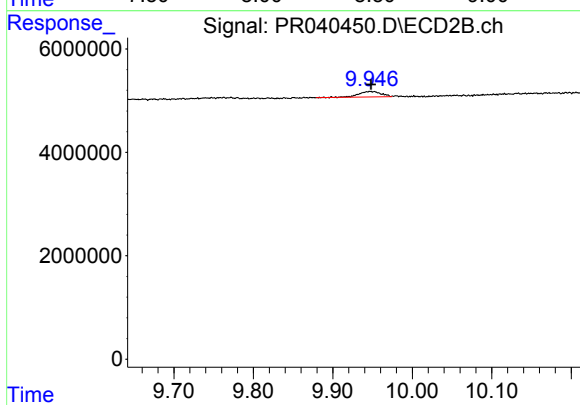
#43 AR-1268-3

R.T.: 9.103 min  
Delta R.T.: 0.000 min  
Response: 4279255  
Conc: 3.46 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 8.406 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 9.952 min  
Delta R.T.: 0.004 min  
Response: 2142571  
Conc: 0.46 ng/ml