

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR081619\  
 Data File : PR040418.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Aug 2019 13:08  
 Operator : SM\AJ  
 Sample : K3591-09  
 Misc : AR1232 MDL 25 PPB  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 16 23:51:50 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR081519.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu Aug 15 15:16:04 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...          | 3.756 | 4.599  | 13583787 | 67688715 | 11.055 | 10.975   |
| 2) SA Decachlor...          | 8.680 | 10.317 | 60493400 | 233.8E6  | 20.999 | 20.148   |
| Target Compounds            |       |        |          |          |        |          |
| 3) L1 AR-1016-1             | 4.821 | 5.751  | 729771   | 2729063  | 13.557 | 10.937   |
| 4) L1 AR-1016-2             | 4.837 | 5.775  | 903654   | 4798664  | 9.993  | 12.302   |
| 5) L1 AR-1016-3             | 0.000 | 5.836  | 0        | 3320406  | N.D.   | 13.556 # |
| 6) L1 AR-1016-4             | 0.000 | 5.932  | 0        | 2719647  | N.D.   | 13.725 # |
| 7) L1 AR-1016-5             | 5.259 | 6.220  | 579217   | 1920990  | 11.536 | 9.883    |
| 8) L2 AR-1221-1             | 0.000 | 4.801  | 0        | 897449   | N.D.   | 11.206 # |
| 9) L2 AR-1221-2             | 0.000 | 4.894  | 0        | 807834   | N.D.   | 12.869 # |
| 10) L2 AR-1221-3            | 4.123 | 4.965  | 775792   | 2844633  | 18.344 | 14.199   |
| 11) L3 AR-1232-1            | 4.123 | 4.965  | 775792   | 2844633  | 16.975 | 13.682   |
| 12) L3 AR-1232-2            | 4.837 | 5.489  | 903654   | 3166063  | 14.576 | 27.846 # |
| 13) L3 AR-1232-3            | 0.000 | 5.775  | 0        | 4798664  | N.D.   | 18.818 # |
| 14) L3 AR-1232-4            | 0.000 | 5.932  | 0        | 2719647  | N.D.   | 21.110 # |
| 15) L3 AR-1232-5            | 5.259 | 6.017  | 579217   | 1665019  | 19.165 | 18.312   |
| 16) L4 AR-1242-1            | 4.821 | 5.751  | 729771   | 2729063  | 14.434 | 11.289   |
| 17) L4 AR-1242-2            | 4.837 | 5.775  | 903654   | 4798664  | 10.603 | 12.943   |
| 18) L4 AR-1242-3            | 0.000 | 5.836  | 0        | 3320406  | N.D.   | 14.606 # |
| 19) L4 AR-1242-4            | 0.000 | 5.932  | 0        | 2719647  | N.D.   | 14.388 # |
| 20) L4 AR-1242-5            | 5.605 | 6.658  | 826673   | 3981086  | 13.463 | 17.299 # |
| 21) L5 AR-1248-1            | 4.821 | 5.751  | 729771   | 2729063  | 19.406 | 16.303   |
| 22) L5 AR-1248-2            | 0.000 | 6.017  | 0        | 1665019  | N.D.   | 6.797 #  |
| 23) L5 AR-1248-3            | 0.000 | 6.220  | 0        | 1920990  | N.D.   | 6.686 #  |
| 24) L5 AR-1248-4            | 5.259 | 6.621  | 579217   | 4164772  | 8.149  | 11.604 # |
| 25) L5 AR-1248-5            | 5.643 | 6.658  | 830337   | 3981086  | 10.743 | 11.501   |
| 26) L6 AR-1254-1            | 5.605 | 6.593  | 826673   | 3212278  | 6.089  | 8.137 #  |
| 27) L6 AR-1254-2            | 0.000 | 6.816  | 0        | 4173885  | N.D.   | 6.602 #  |
| 28) L6 AR-1254-3            | 0.000 | 7.173  | 0        | 830936   | N.D.   | 1.150 #  |
| 29) L6 AR-1254-4            | 0.000 | 7.453  | 0        | 155444   | N.D.   | 0.283 #  |
| 31) L7 AR-1260-1            | 0.000 | 7.332  | 0        | 1022944  | N.D.   | 2.485 #  |
| 43) L9 AR-1268-3            | 0.000 | 9.126  | 0        | 1263912  | N.D.   | 1.198 #  |
| 45) L9 AR-1268-5            | 0.000 | 9.978  | 0        | 1338956  | N.D.   | 0.339 #  |
| -----                       |       |        |          |          |        |          |

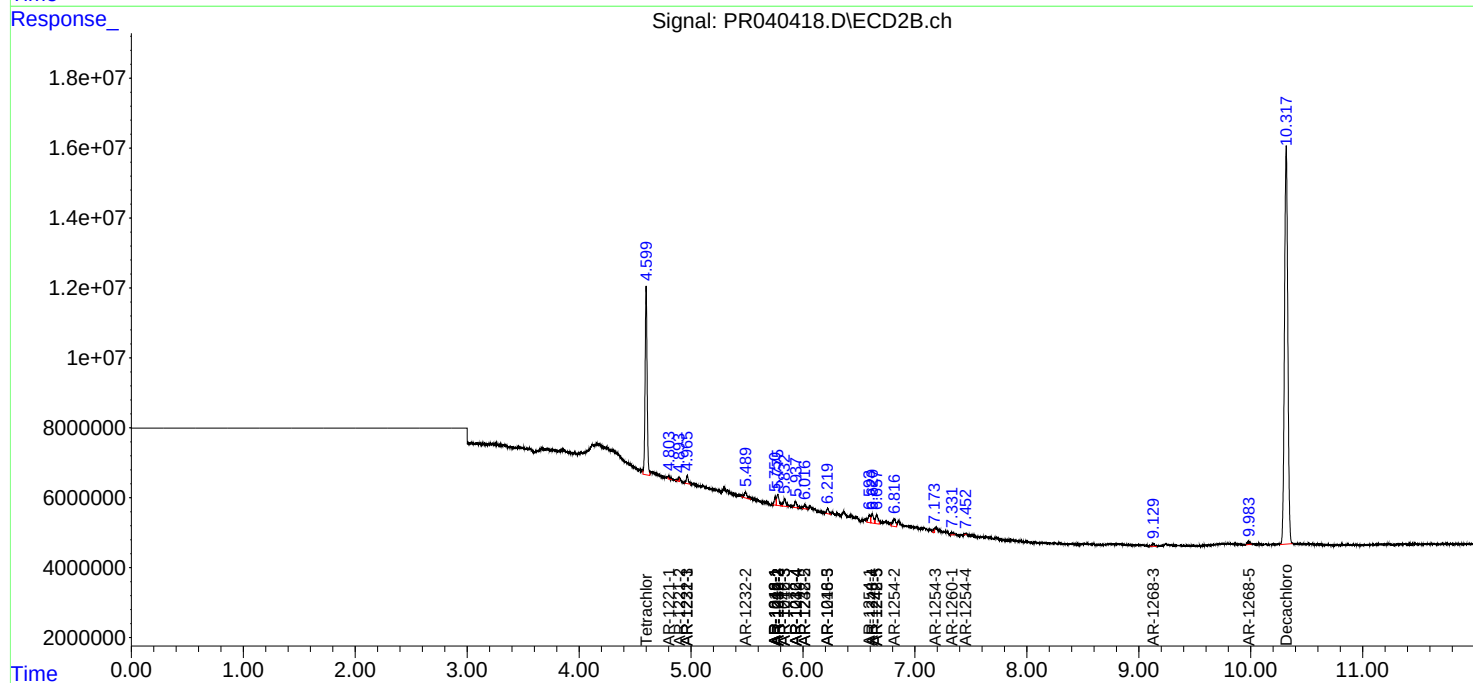
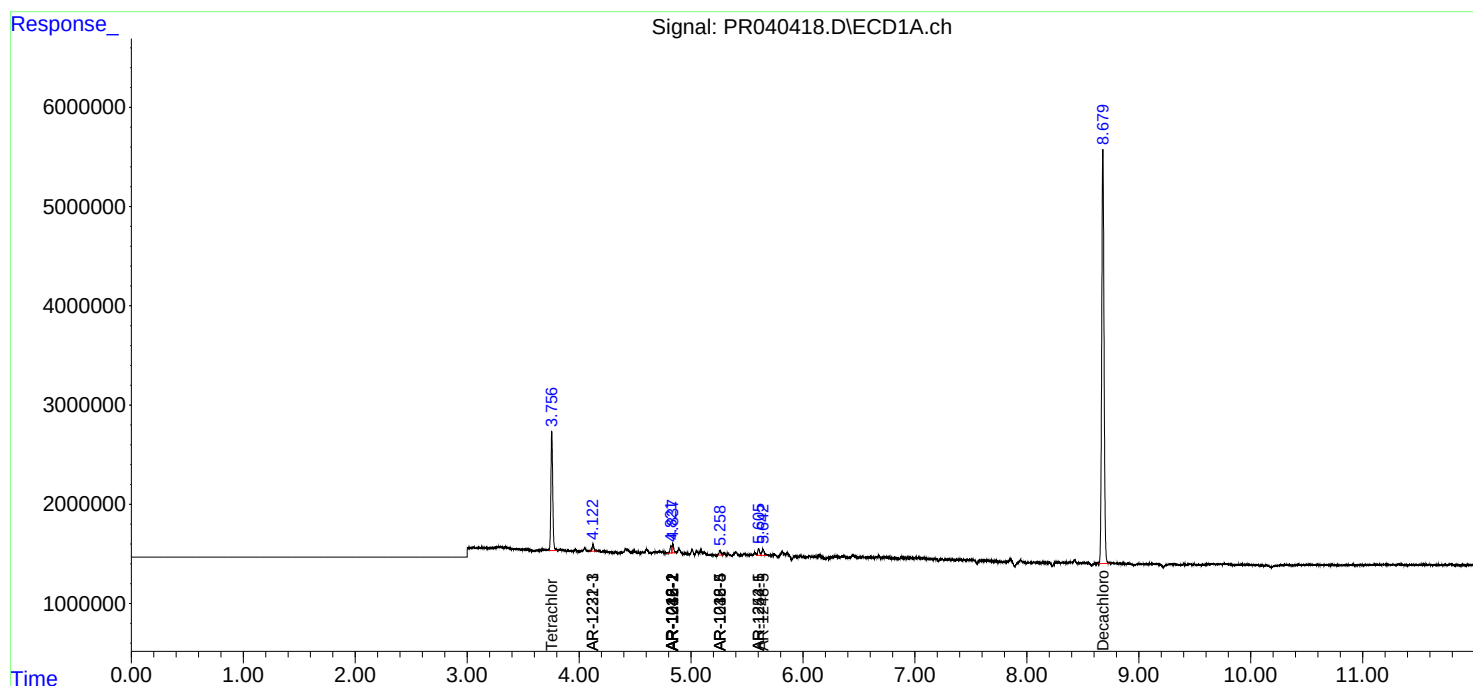
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

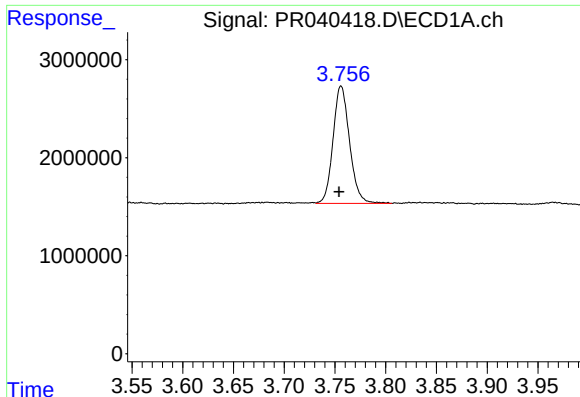
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR081619\  
Data File : PR040418.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Aug 2019 13:08  
Operator : SM\AJ  
Sample : K3591-09  
Misc : AR1232 MDL 25 PPB  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_R  
ClientSampled :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 16 23:51:50 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR081519.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Thu Aug 15 15:16:04 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

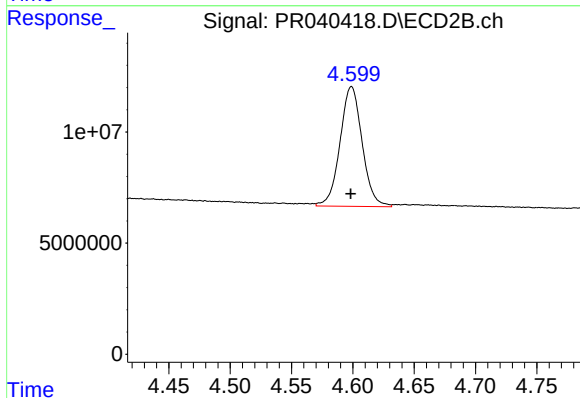




#1 Tetrachloro-m-xylene

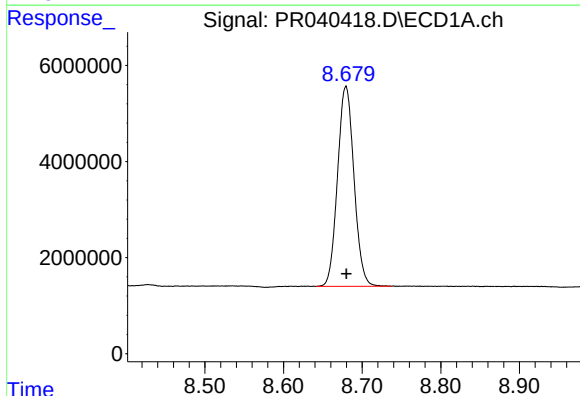
R.T.: 3.756 min  
Delta R.T.: 0.002 min  
Response: 13583787  
Conc: 11.05 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



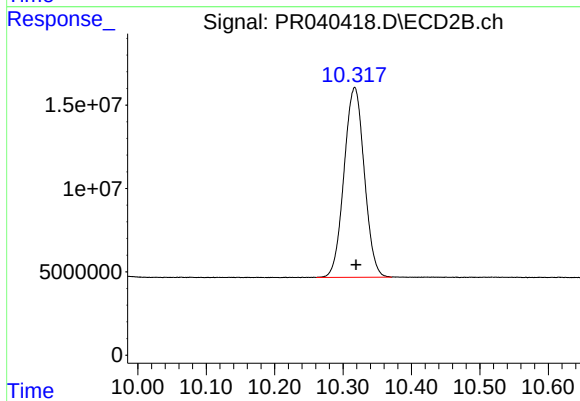
#1 Tetrachloro-m-xylene

R.T.: 4.599 min  
Delta R.T.: 0.000 min  
Response: 67688715  
Conc: 10.97 ng/ml



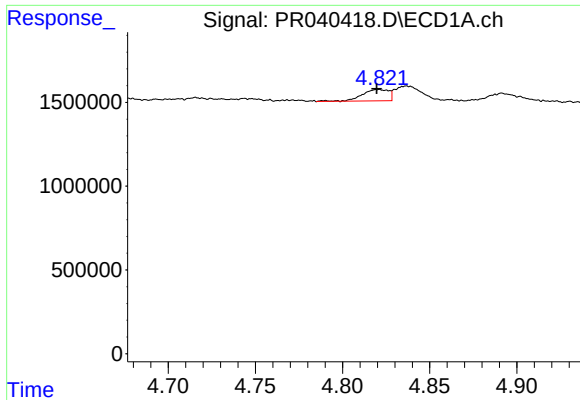
#2 Decachlorobiphenyl

R.T.: 8.680 min  
Delta R.T.: 0.000 min  
Response: 60493400  
Conc: 21.00 ng/ml



#2 Decachlorobiphenyl

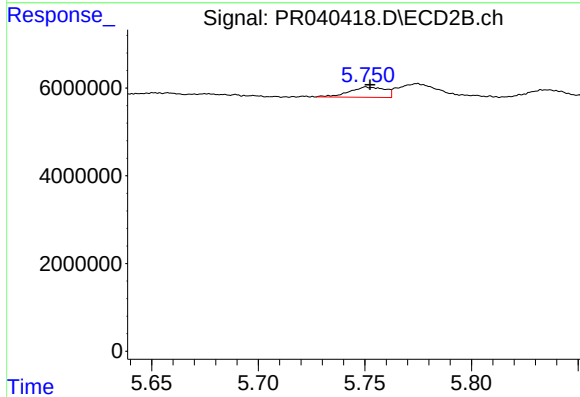
R.T.: 10.317 min  
Delta R.T.: -0.002 min  
Response: 233845372  
Conc: 20.15 ng/ml



#3 AR-1016-1

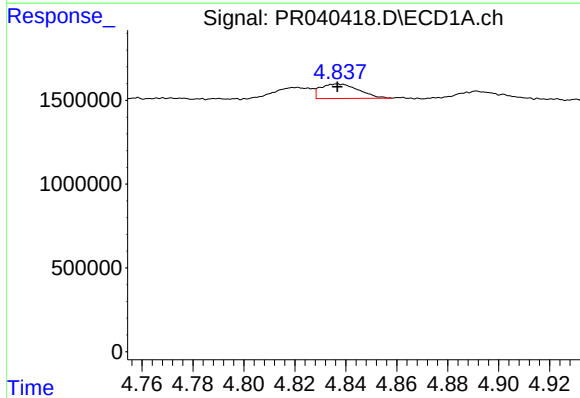
R.T.: 4.821 min  
Delta R.T.: 0.001 min  
Response: 729771  
Conc: 13.56 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



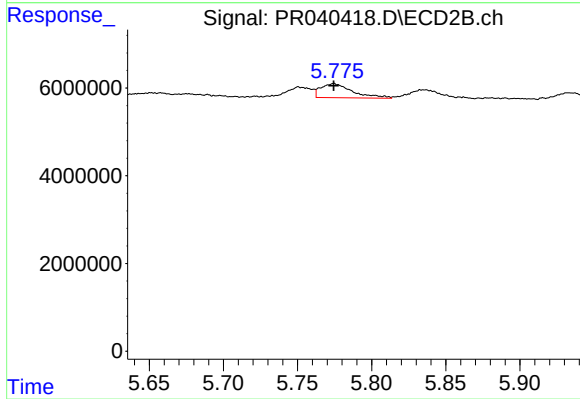
#3 AR-1016-1

R.T.: 5.751 min  
Delta R.T.: -0.002 min  
Response: 2729063  
Conc: 10.94 ng/ml



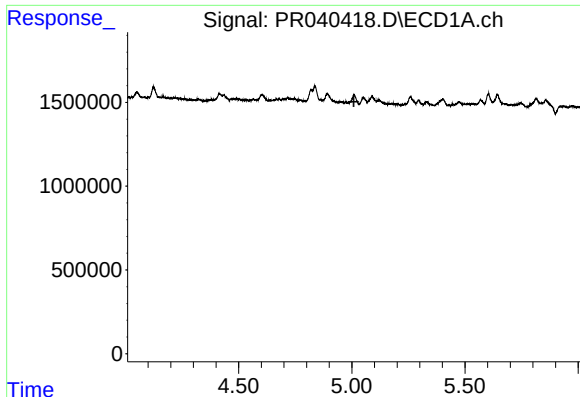
#4 AR-1016-2

R.T.: 4.837 min  
Delta R.T.: 0.000 min  
Response: 903654  
Conc: 9.99 ng/ml



#4 AR-1016-2

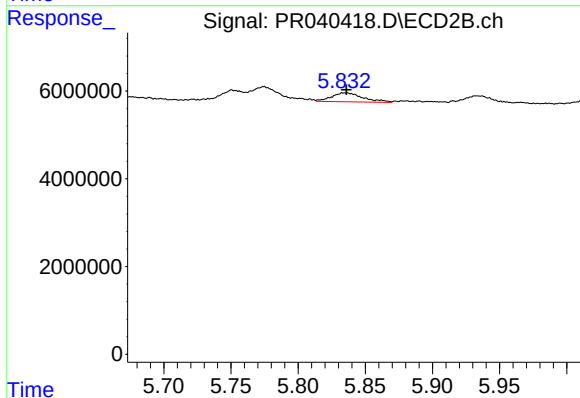
R.T.: 5.775 min  
Delta R.T.: 0.000 min  
Response: 4798664  
Conc: 12.30 ng/ml



#5 AR-1016-3

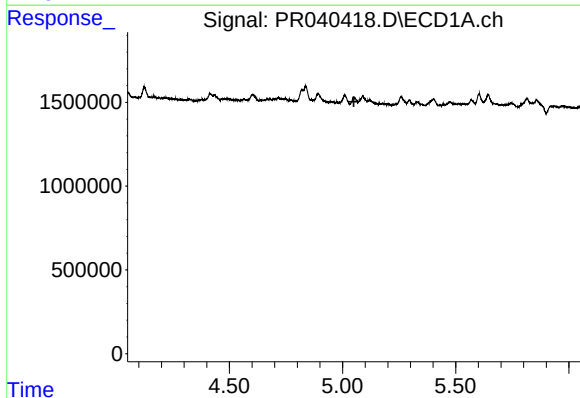
R.T.: 0.000 min  
Exp R.T.: 5.009 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



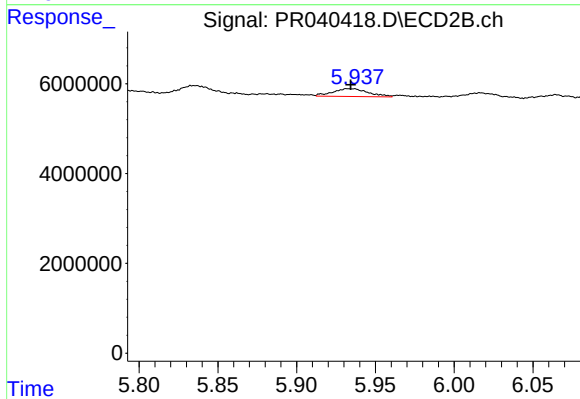
#5 AR-1016-3

R.T.: 5.836 min  
Delta R.T.: 0.000 min  
Response: 3320406  
Conc: 13.56 ng/ml



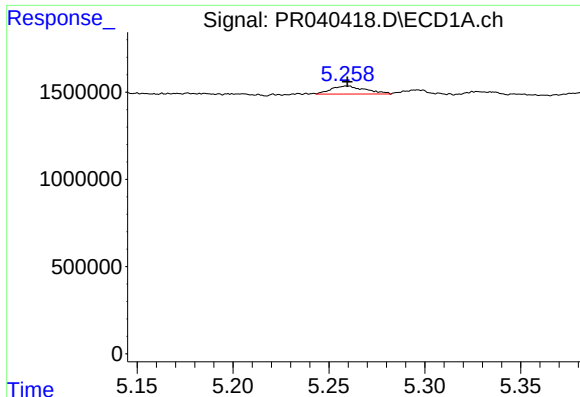
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 5.050 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

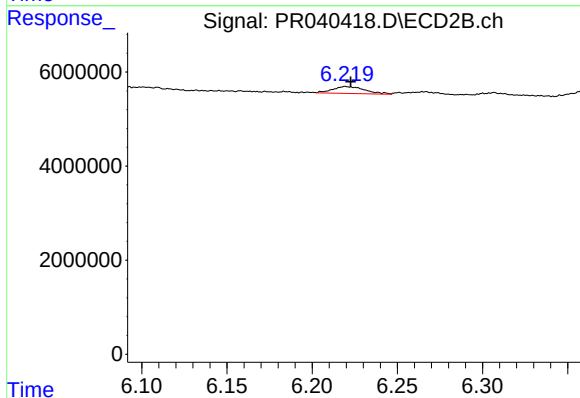
R.T.: 5.932 min  
Delta R.T.: -0.002 min  
Response: 2719647  
Conc: 13.73 ng/ml



#7 AR-1016-5

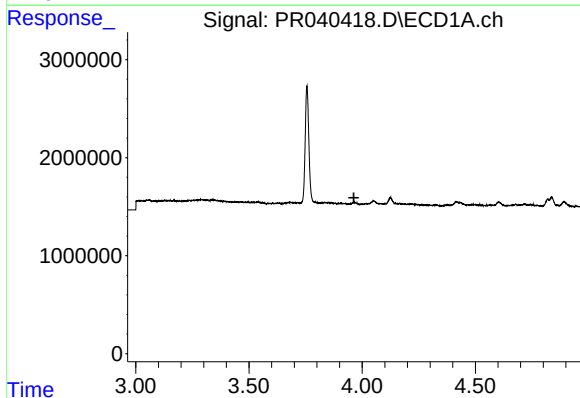
R.T.: 5.259 min  
Delta R.T.: 0.000 min  
Response: 579217  
Conc: 11.54 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



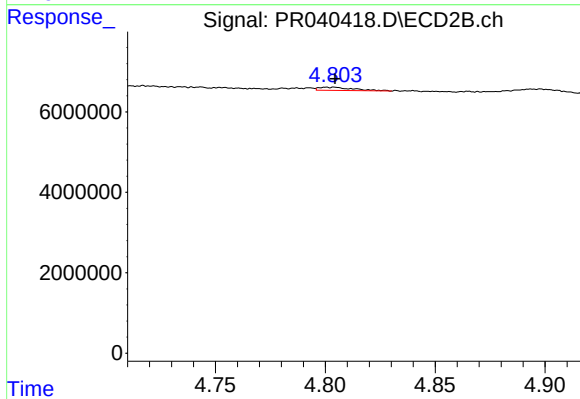
#7 AR-1016-5

R.T.: 6.220 min  
Delta R.T.: -0.003 min  
Response: 1920990  
Conc: 9.88 ng/ml



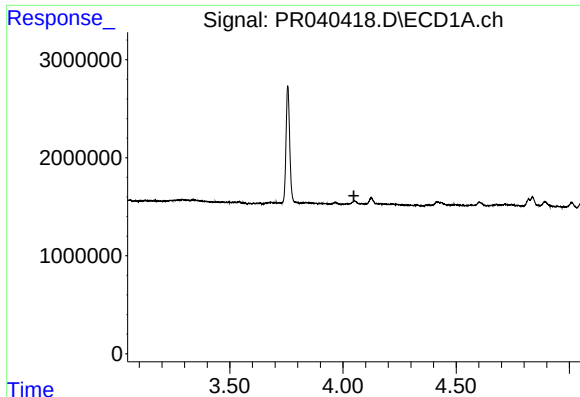
#8 AR-1221-1

R.T.: 0.000 min  
Exp R.T. : 3.963 min  
Response: 0  
Conc: N.D.



#8 AR-1221-1

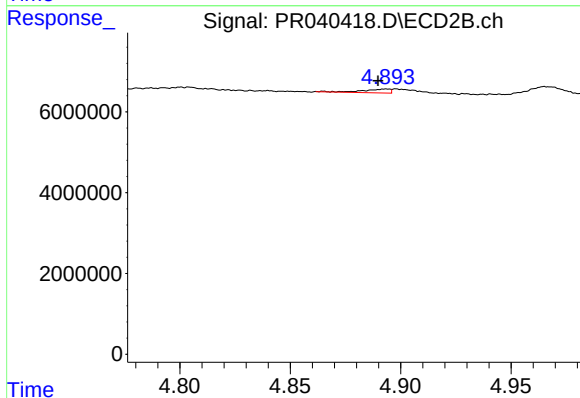
R.T.: 4.801 min  
Delta R.T.: -0.004 min  
Response: 897449  
Conc: 11.21 ng/ml



#9 AR-1221-2

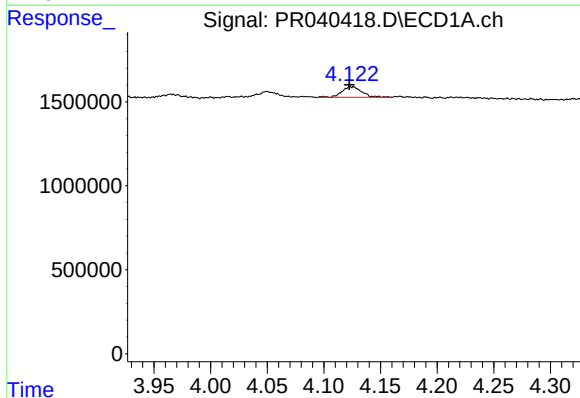
R.T.: 0.000 min  
Exp R.T.: 4.048 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



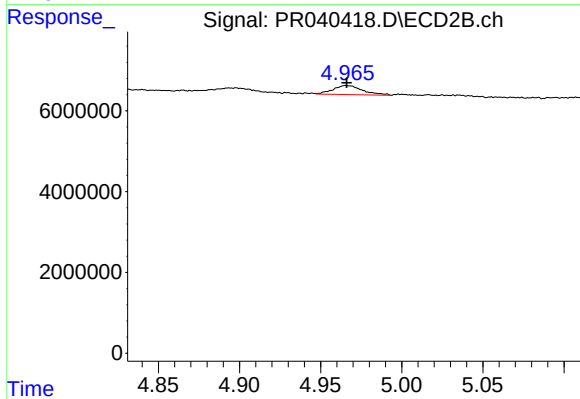
#9 AR-1221-2

R.T.: 4.894 min  
Delta R.T.: 0.004 min  
Response: 807834  
Conc: 12.87 ng/ml



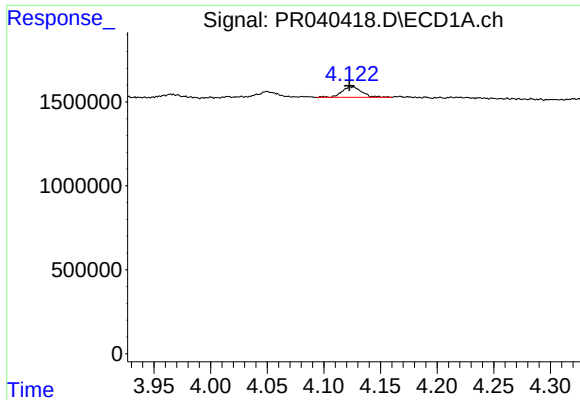
#10 AR-1221-3

R.T.: 4.123 min  
Delta R.T.: 0.000 min  
Response: 775792  
Conc: 18.34 ng/ml



#10 AR-1221-3

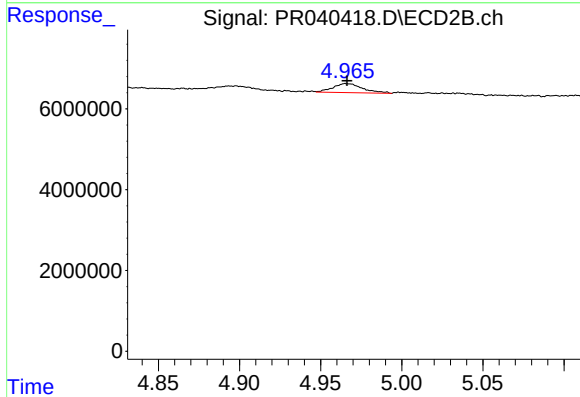
R.T.: 4.965 min  
Delta R.T.: 0.000 min  
Response: 2844633  
Conc: 14.20 ng/ml



#11 AR-1232-1

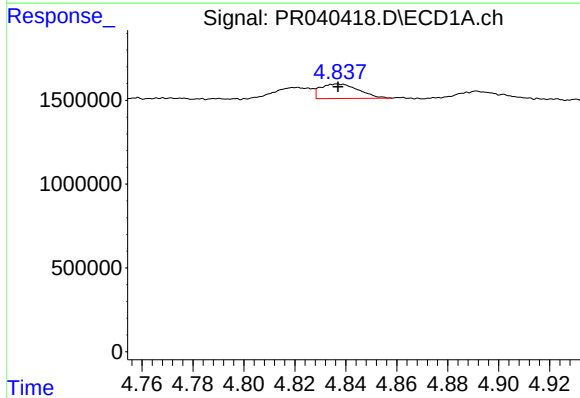
R.T.: 4.123 min  
Delta R.T.: 0.000 min  
Response: 775792  
Conc: 16.97 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



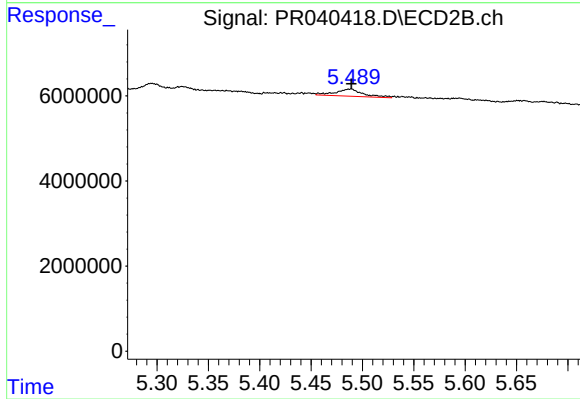
#11 AR-1232-1

R.T.: 4.965 min  
Delta R.T.: -0.001 min  
Response: 2844633  
Conc: 13.68 ng/ml



#12 AR-1232-2

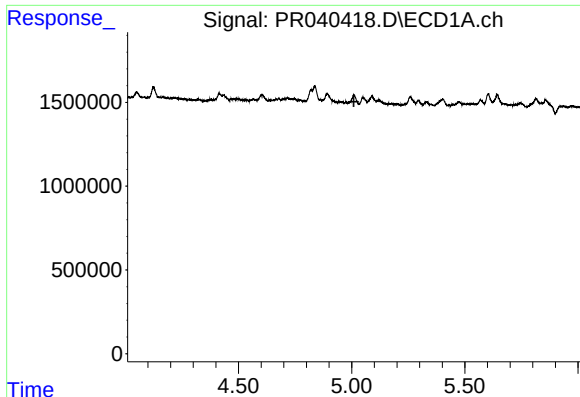
R.T.: 4.837 min  
Delta R.T.: 0.000 min  
Response: 903654  
Conc: 14.58 ng/ml



#12 AR-1232-2

R.T.: 5.489 min  
Delta R.T.: 0.000 min  
Response: 3166063  
Conc: 27.85 ng/ml

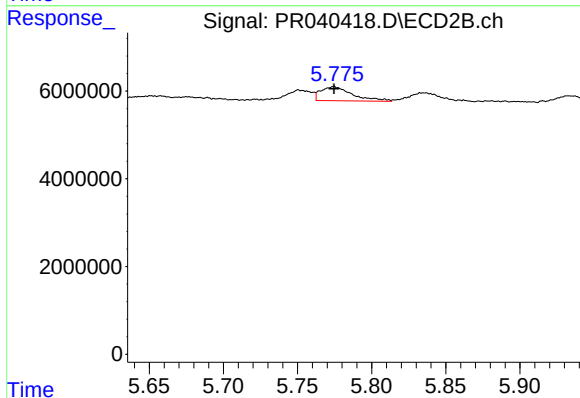




#13 AR-1232-3

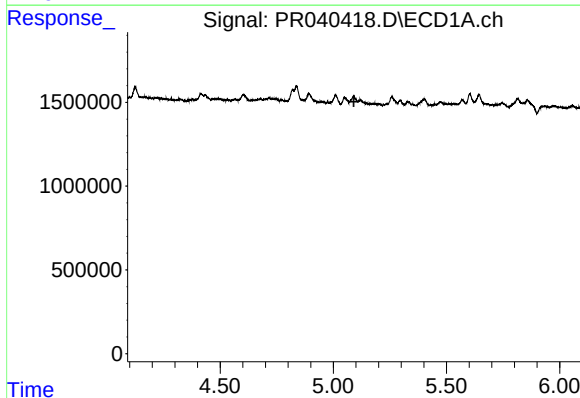
R.T.: 0.000 min  
Exp R.T.: 5.010 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



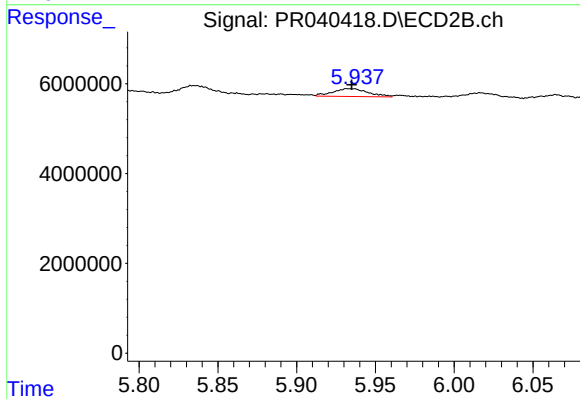
#13 AR-1232-3

R.T.: 5.775 min  
Delta R.T.: 0.000 min  
Response: 4798664  
Conc: 18.82 ng/ml



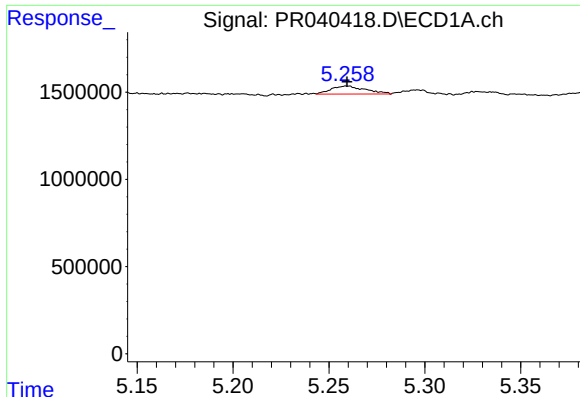
#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T.: 5.091 min  
Response: 0  
Conc: N.D.



#14 AR-1232-4

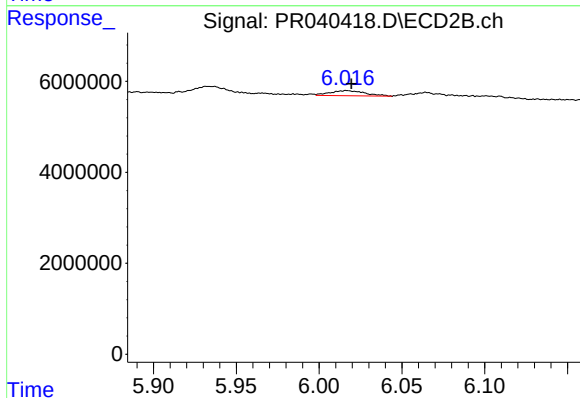
R.T.: 5.932 min  
Delta R.T.: -0.003 min  
Response: 2719647  
Conc: 21.11 ng/ml



#15 AR-1232-5

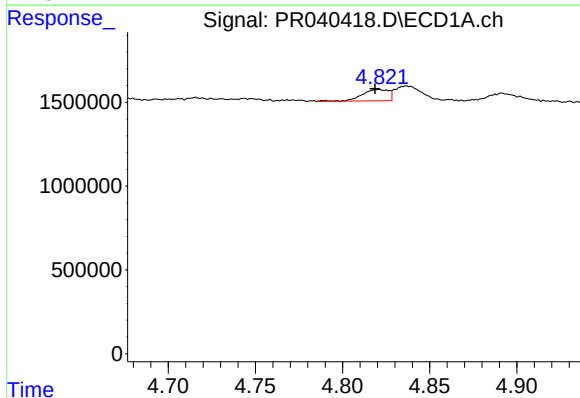
R.T.: 5.259 min  
Delta R.T.: 0.000 min  
Response: 579217  
Conc: 19.17 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



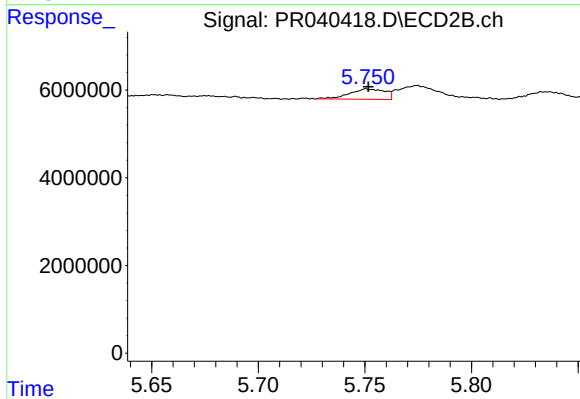
#15 AR-1232-5

R.T.: 6.017 min  
Delta R.T.: -0.003 min  
Response: 1665019  
Conc: 18.31 ng/ml



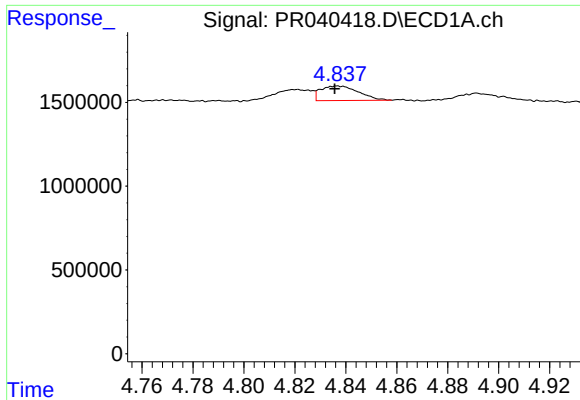
#16 AR-1242-1

R.T.: 4.821 min  
Delta R.T.: 0.002 min  
Response: 729771  
Conc: 14.43 ng/ml



#16 AR-1242-1

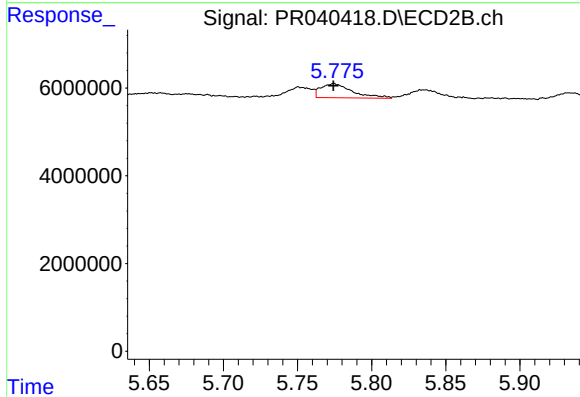
R.T.: 5.751 min  
Delta R.T.: -0.001 min  
Response: 2729063  
Conc: 11.29 ng/ml



#17 AR-1242-2

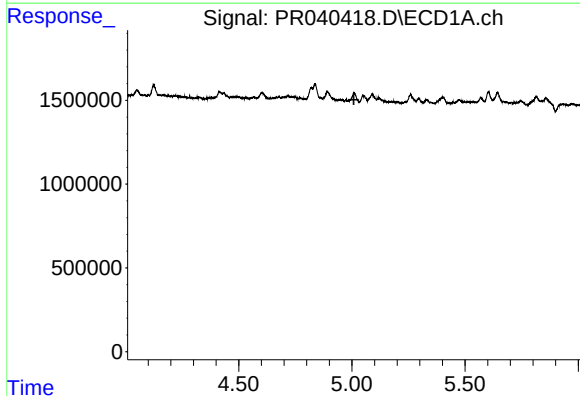
R.T.: 4.837 min  
Delta R.T.: 0.001 min  
Response: 903654  
Conc: 10.60 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



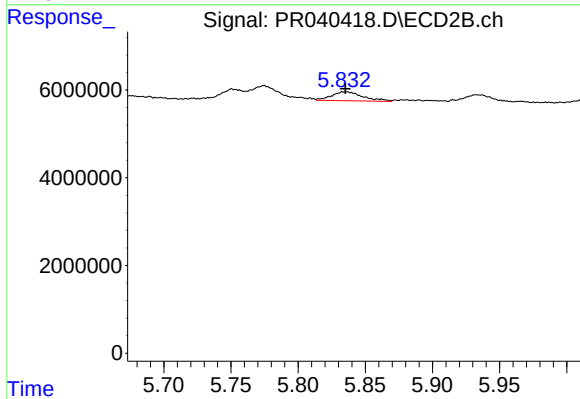
#17 AR-1242-2

R.T.: 5.775 min  
Delta R.T.: 0.000 min  
Response: 4798664  
Conc: 12.94 ng/ml



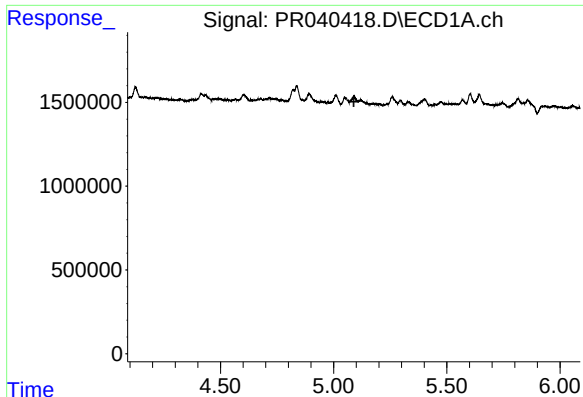
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T. : 5.009 min  
Response: 0  
Conc: N.D.



#18 AR-1242-3

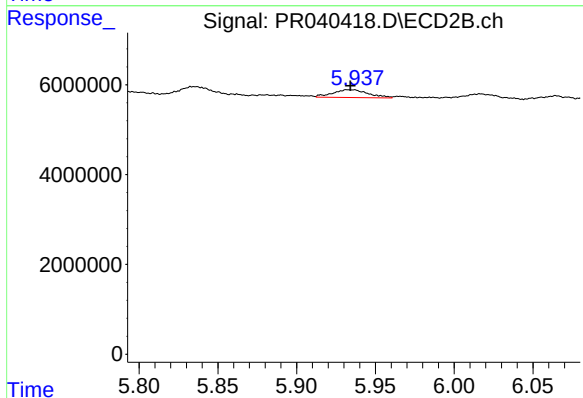
R.T.: 5.836 min  
Delta R.T.: 0.001 min  
Response: 3320406  
Conc: 14.61 ng/ml



#19 AR-1242-4

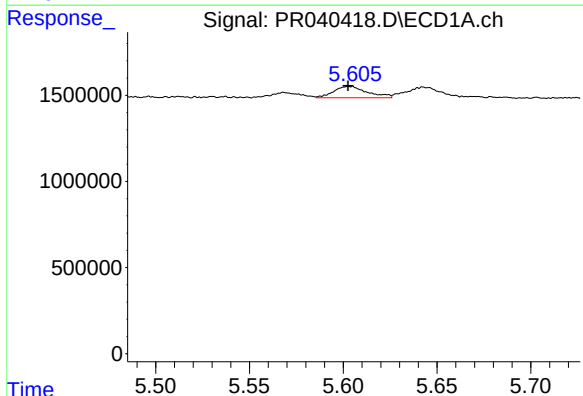
R.T.: 0.000 min  
Exp R.T.: 5.090 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



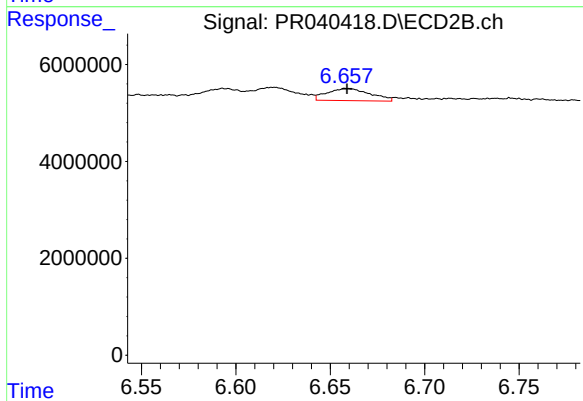
#19 AR-1242-4

R.T.: 5.932 min  
Delta R.T.: -0.002 min  
Response: 2719647  
Conc: 14.39 ng/ml



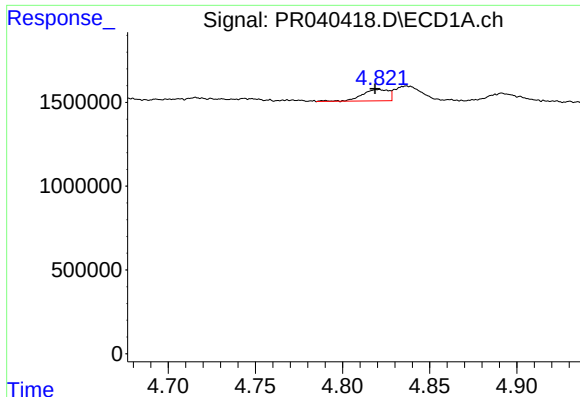
#20 AR-1242-5

R.T.: 5.605 min  
Delta R.T.: 0.002 min  
Response: 826673  
Conc: 13.46 ng/ml



#20 AR-1242-5

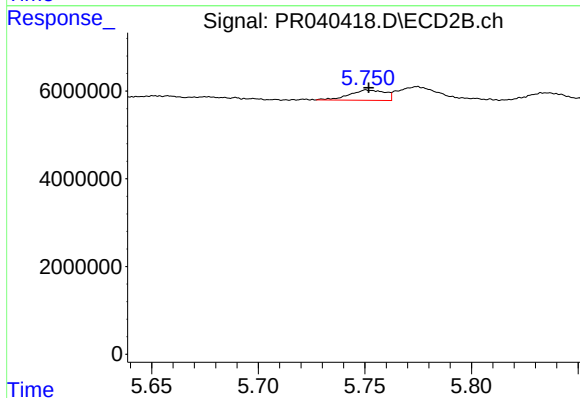
R.T.: 6.658 min  
Delta R.T.: -0.001 min  
Response: 3981086  
Conc: 17.30 ng/ml



#21 AR-1248-1

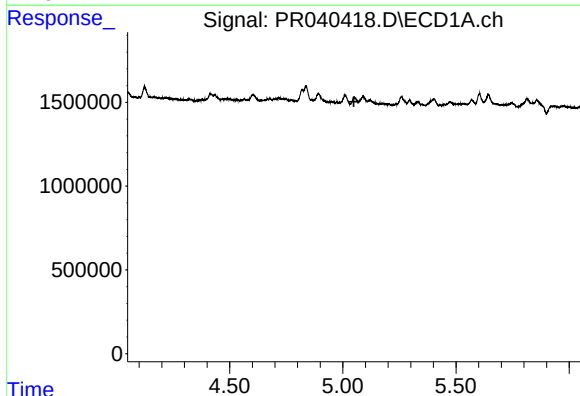
R.T.: 4.821 min  
Delta R.T.: 0.002 min  
Response: 729771  
Conc: 19.41 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



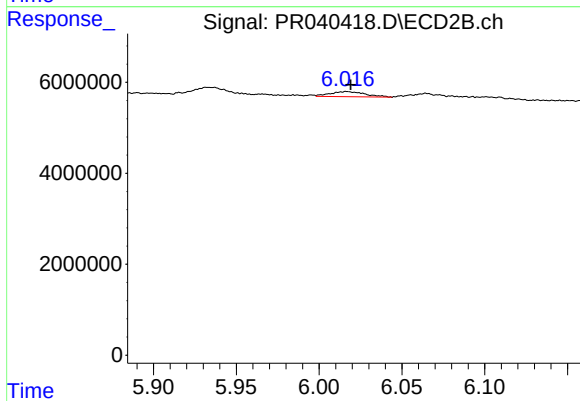
#21 AR-1248-1

R.T.: 5.751 min  
Delta R.T.: -0.001 min  
Response: 2729063  
Conc: 16.30 ng/ml



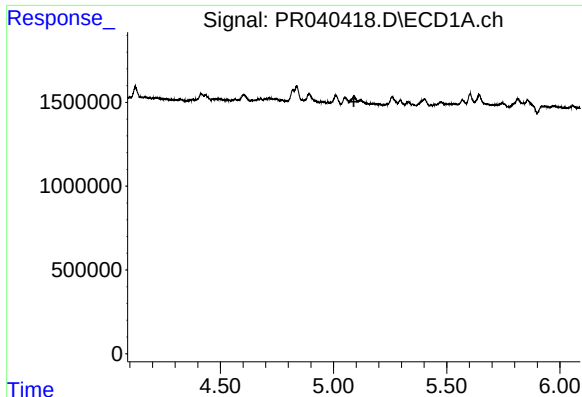
#22 AR-1248-2

R.T.: 0.000 min  
Exp R.T. : 5.049 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

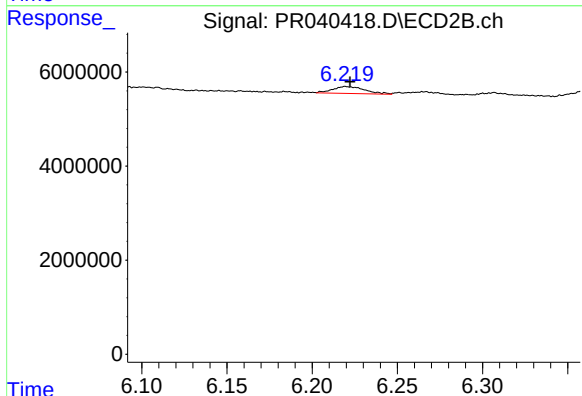
R.T.: 6.017 min  
Delta R.T.: -0.003 min  
Response: 1665019  
Conc: 6.80 ng/ml



#23 AR-1248-3

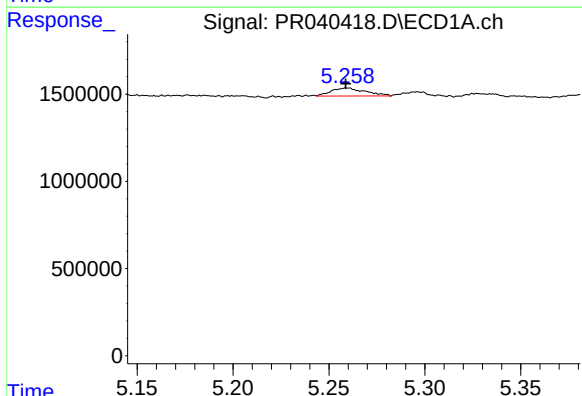
R.T.: 0.000 min  
Exp R.T.: 5.090 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



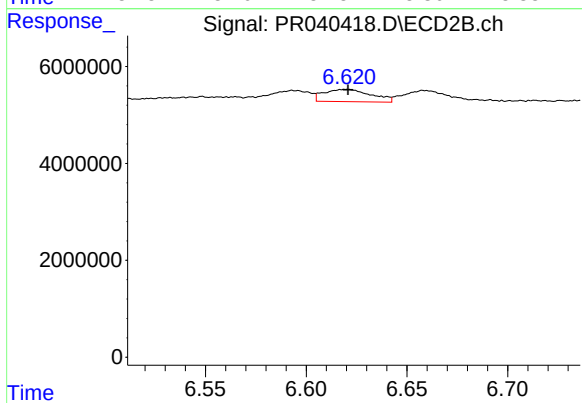
#23 AR-1248-3

R.T.: 6.220 min  
Delta R.T.: -0.003 min  
Response: 1920990  
Conc: 6.69 ng/ml



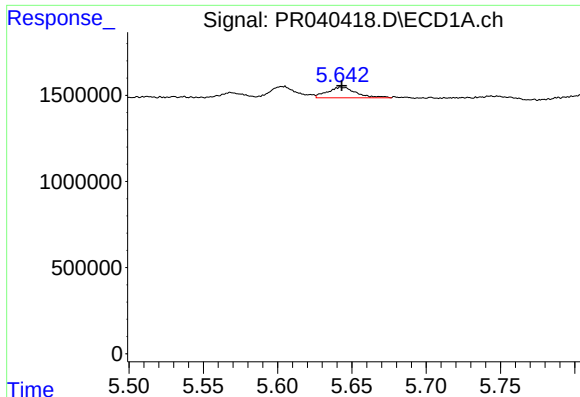
#24 AR-1248-4

R.T.: 5.259 min  
Delta R.T.: 0.000 min  
Response: 579217  
Conc: 8.15 ng/ml



#24 AR-1248-4

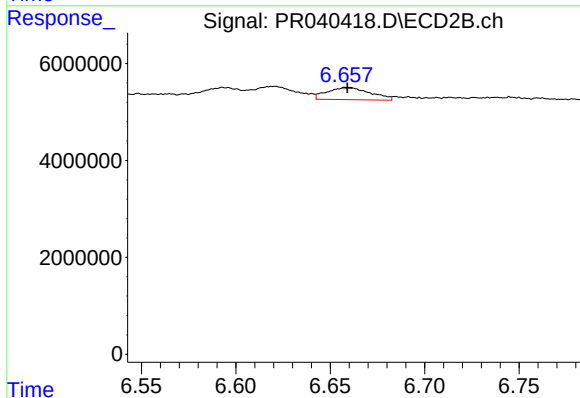
R.T.: 6.621 min  
Delta R.T.: 0.000 min  
Response: 4164772  
Conc: 11.60 ng/ml



#25 AR-1248-5

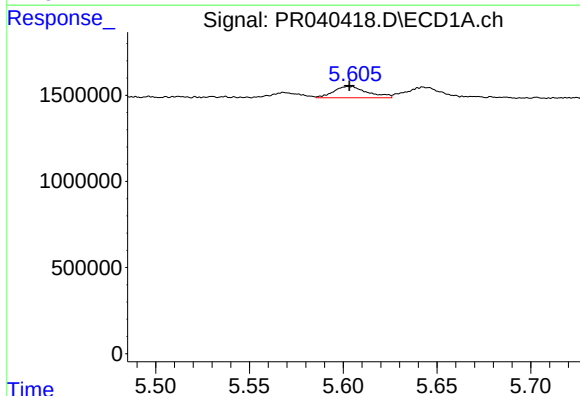
R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 830337  
Conc: 10.74 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



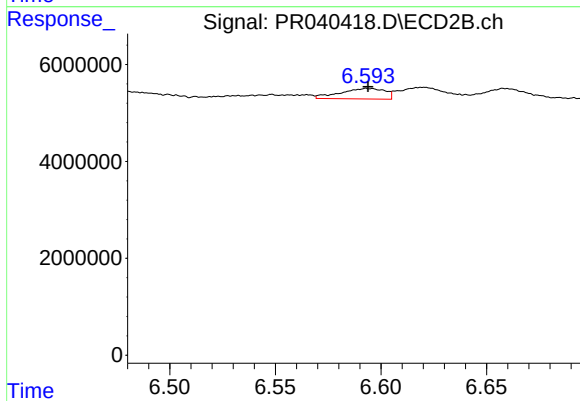
#25 AR-1248-5

R.T.: 6.658 min  
Delta R.T.: -0.001 min  
Response: 3981086  
Conc: 11.50 ng/ml



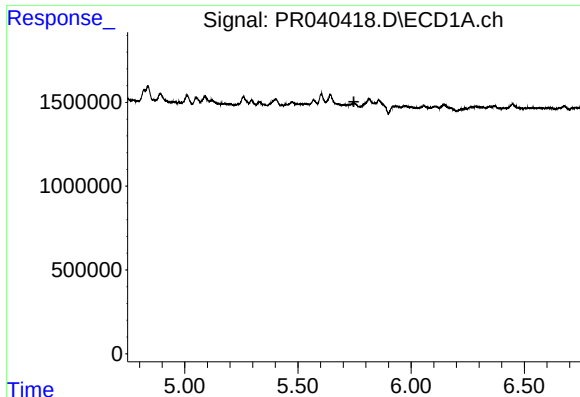
#26 AR-1254-1

R.T.: 5.605 min  
Delta R.T.: 0.002 min  
Response: 826673  
Conc: 6.09 ng/ml



#26 AR-1254-1

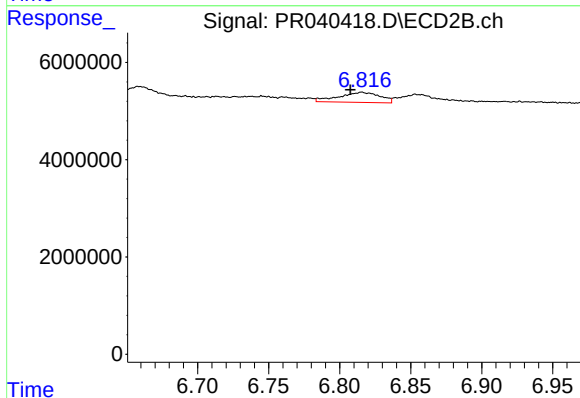
R.T.: 6.593 min  
Delta R.T.: 0.000 min  
Response: 3212278  
Conc: 8.14 ng/ml



#27 AR-1254-2

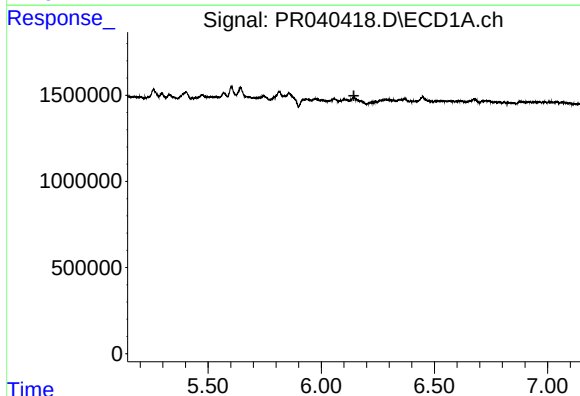
R.T.: 0.000 min  
Exp R.T.: 5.747 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



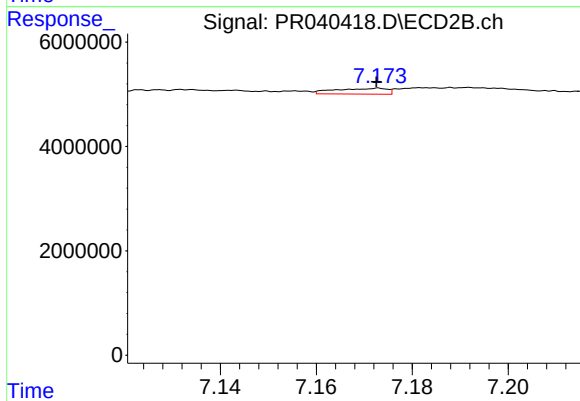
#27 AR-1254-2

R.T.: 6.816 min  
Delta R.T.: 0.008 min  
Response: 4173885  
Conc: 6.60 ng/ml



#28 AR-1254-3

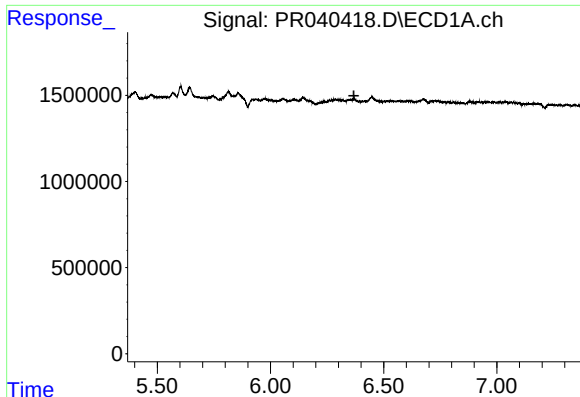
R.T.: 0.000 min  
Exp R.T.: 6.144 min  
Response: 0  
Conc: N.D.



#28 AR-1254-3

R.T.: 7.173 min  
Delta R.T.: 0.000 min  
Response: 830936  
Conc: 1.15 ng/ml

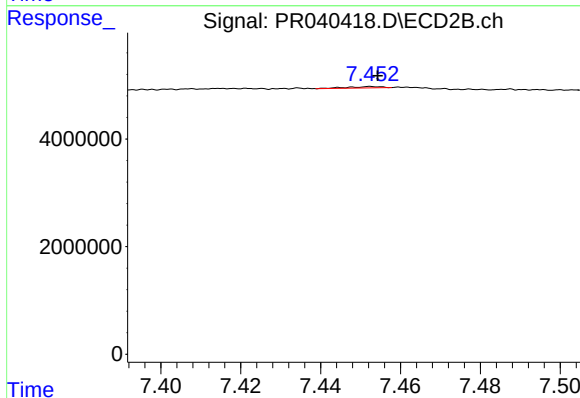




#29 AR-1254-4

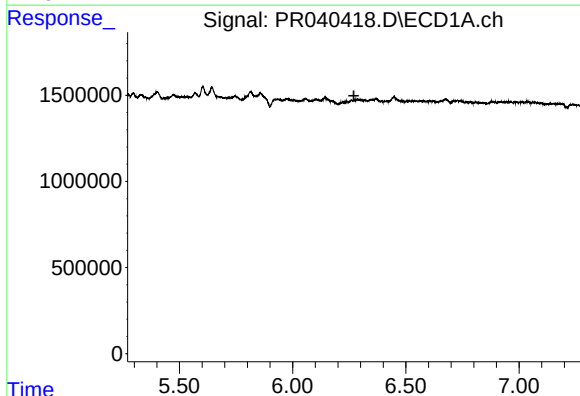
R.T.: 0.000 min  
Exp R.T.: 6.368 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



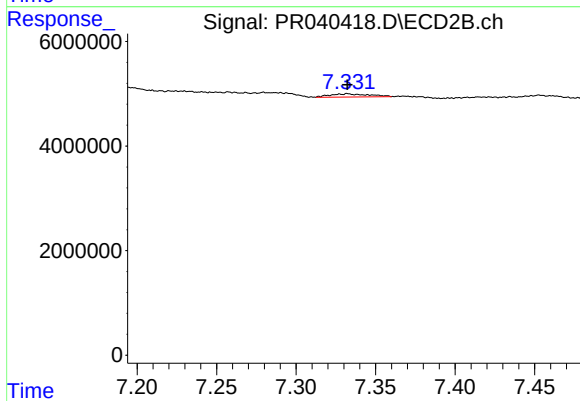
#29 AR-1254-4

R.T.: 7.453 min  
Delta R.T.: -0.002 min  
Response: 155444  
Conc: 0.28 ng/ml



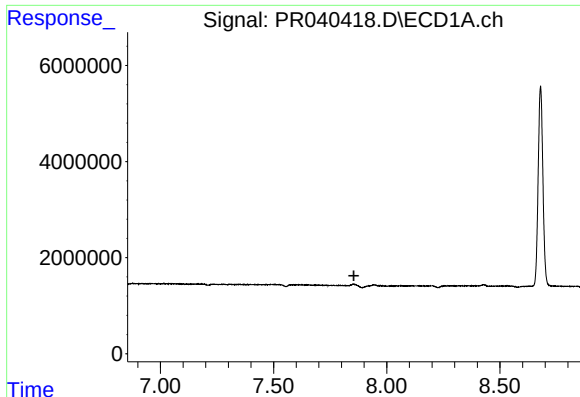
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T.: 6.271 min  
Response: 0  
Conc: N.D.



#31 AR-1260-1

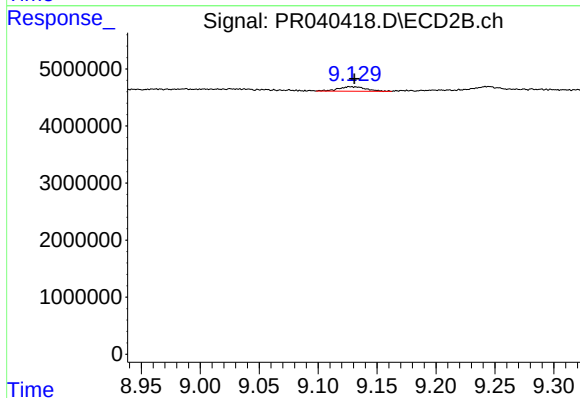
R.T.: 7.332 min  
Delta R.T.: 0.000 min  
Response: 1022944  
Conc: 2.49 ng/ml



#43 AR-1268-3

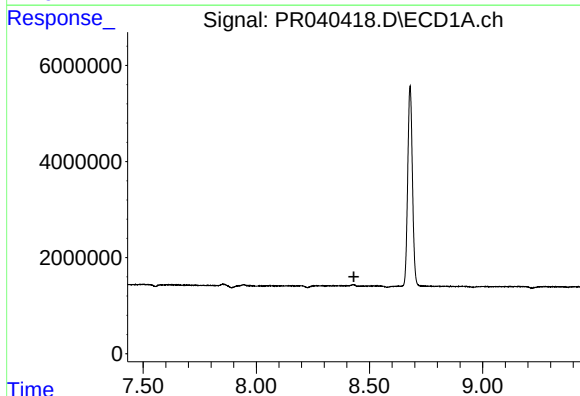
R.T.: 0.000 min  
Exp R.T. : 7.855 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



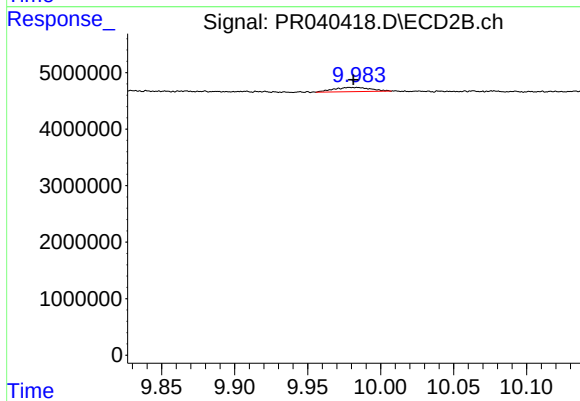
#43 AR-1268-3

R.T.: 9.126 min  
Delta R.T.: -0.005 min  
Response: 1263912  
Conc: 1.20 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T. : 8.431 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 9.978 min  
Delta R.T.: -0.003 min  
Response: 1338956  
Conc: 0.34 ng/ml