

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR083018\  
 Data File : PR031667.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Aug 2018 20:16  
 Operator : SM\SJ  
 Sample : AR1221ICC500  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 31 07:18:25 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR083018.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Aug 31 07:18:17 2018  
 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... | 4.526  | 3.661 | 687.9E6  | 1205.2E6 | 51.778  | 50.140    |
| 2)                          | SA Decachlor... | 10.276 | 8.522 | 1803.9E6 | 1170.8E6 | 66.852  | 67.127    |
| Target Compounds            |                 |        |       |          |          |         |           |
| 3)                          | L1 AR-1016-1    | 5.225  | 4.309 | 16882768 | 39738007 | 45.189  | 50.609    |
| 4)                          | L1 AR-1016-2    | 5.418  | 4.711 | 16583726 | 41261168 | 44.475  | 36.497    |
| 5)                          | L1 AR-1016-3    | 5.684  | 4.728 | 24856807 | 90332312 | 40.613  | 47.731    |
| 6)                          | L1 AR-1016-4    | 5.769  | 4.784 | 23727008 | 55317331 | 45.732  | 47.360    |
| 7)                          | L1 AR-1016-5    | 6.161  | 5.147 | 4197371  | 19349491 | 9.479   | 17.817 #  |
| 8)                          | L2 AR-1221-1    | 4.729  | 3.866 | 81538928 | 160.8E6  | 500.000 | 500.000   |
| 9)                          | L2 AR-1221-2    | 4.815  | 3.950 | 61804435 | 125.8E6  | 500.000 | 500.000   |
| 10)                         | L2 AR-1221-3    | 4.891  | 4.023 | 192.5E6  | 376.9E6  | 500.000 | 500.000   |
| 11)                         | L3 AR-1232-1    | 5.706  | 4.497 | 34738051 | 41269261 | 95.036  | 117.495   |
| 12)                         | L3 AR-1232-2    | 5.867  | 4.607 | 14907015 | 17277720 | 88.127  | 149.755 # |
| 13)                         | L3 AR-1232-3    | 6.001  | 4.977 | 4359883  | 12401296 | 92.786  | 32.852 #  |
| 14)                         | L3 AR-1232-4    | 6.305  | 5.295 | 7574764  | 18715763 | 156.243 | 40.235 #  |
| 16)                         | L4 AR-1242-1    | 5.256  | 4.330 | 11212231 | 23236434 | 71.382  | 69.612    |
| 17)                         | L4 AR-1242-2    | 6.001  | 4.899 | 4359883  | 32876035 | 14.709  | 44.321 #  |
| 18)                         | L4 AR-1242-3    | 6.219  | 4.977 | 2631537  | 12401296 | 16.891  | 48.220 #  |
| 19)                         | L4 AR-1242-4    | 6.219  | 5.295 | 2631537  | 18715763 | 22.161  | 75.018 #  |
| 20)                         | L4 AR-1242-5    | 6.305  | 5.702 | 7574764  | 8520218  | 19.810  | 14.687 #  |
| 21)                         | L5 AR-1248-1    | 5.955  | 4.938 | 5311164  | 11552086 | 10.467  | 10.439    |
| 22)                         | L5 AR-1248-2    | 6.532  | 5.489 | 9034614  | 20889812 | 16.842  | 9.179 #   |
| 23)                         | L5 AR-1248-3    | 6.562  | 5.526 | 8824073  | 17281923 | 12.107  | 10.845    |
| 24)                         | L5 AR-1248-4    | 6.599  | 5.702 | 7148421  | 8520218  | 10.361  | 5.907 #   |
| 25)                         | L5 AR-1248-5    | 6.794  | 0.000 | 3941969  | 0        | 8.332   | N.D. #    |
| 26)                         | L6 AR-1254-1    | 6.759  | 0.000 | 7957349  | 0        | 6.009   | N.D. #    |
| 28)                         | L6 AR-1254-3    | 7.121  | 0.000 | 3387791  | 0        | 2.284   | N.D. #    |
| 29)                         | L6 AR-1254-4    | 7.403  | 0.000 | 16902384 | 0        | 14.110  | N.D. #    |
| 32)                         | L7 AR-1260-2    | 7.482  | 6.380 | 20986356 | 12264656 | 15.850  | 4.401 #   |
| 33)                         | L7 AR-1260-3    | 7.850  | 0.000 | 55100088 | 0        | 35.696  | N.D. #    |
| 35)                         | L7 AR-1260-5    | 8.376  | 0.000 | 4671516  | 0        | 1.803   | N.D. #    |
| 36)                         | L8 AR-1262-1    | 7.121  | 0.000 | 3387791  | 0        | 5.724   | N.D. #    |
| 38)                         | L8 AR-1262-3    | 8.196  | 0.000 | 20165733 | 0        | 38.927  | N.D. #    |
| 39)                         | L8 AR-1262-4    | 8.838  | 0.000 | 6273850  | 0        | 4.100   | N.D. #    |
| 41)                         | L9 AR-1268-1    | 7.850  | 0.000 | 55100088 | 0        | 95.076  | N.D. #    |
| 42)                         | L9 AR-1268-2    | 8.196  | 0.000 | 20165733 | 0        | 24.941  | N.D. #    |
| 43)                         | L9 AR-1268-3    | 0.000  | 7.721 | 0        | 40410646 | N.D.    | 18.645 #  |
| 44)                         | L9 AR-1268-4    | 9.087  | 7.811 | 43406927 | 34199350 | 14.685  | 52.889 #  |
| 45)                         | L9 AR-1268-5    | 9.935  | 8.288 | 24251057 | 20312158 | 2.753   | 3.366     |
| -----                       |                 |        |       |          |          |         |           |

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

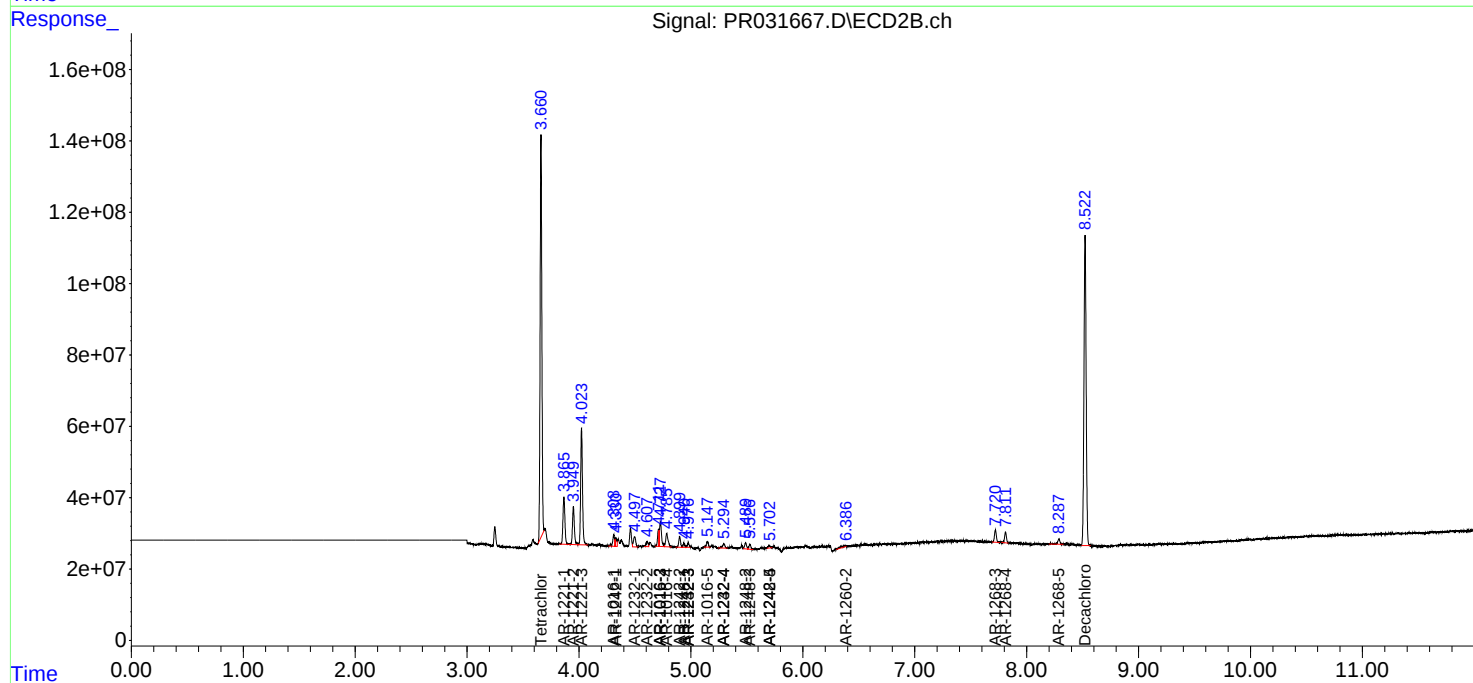
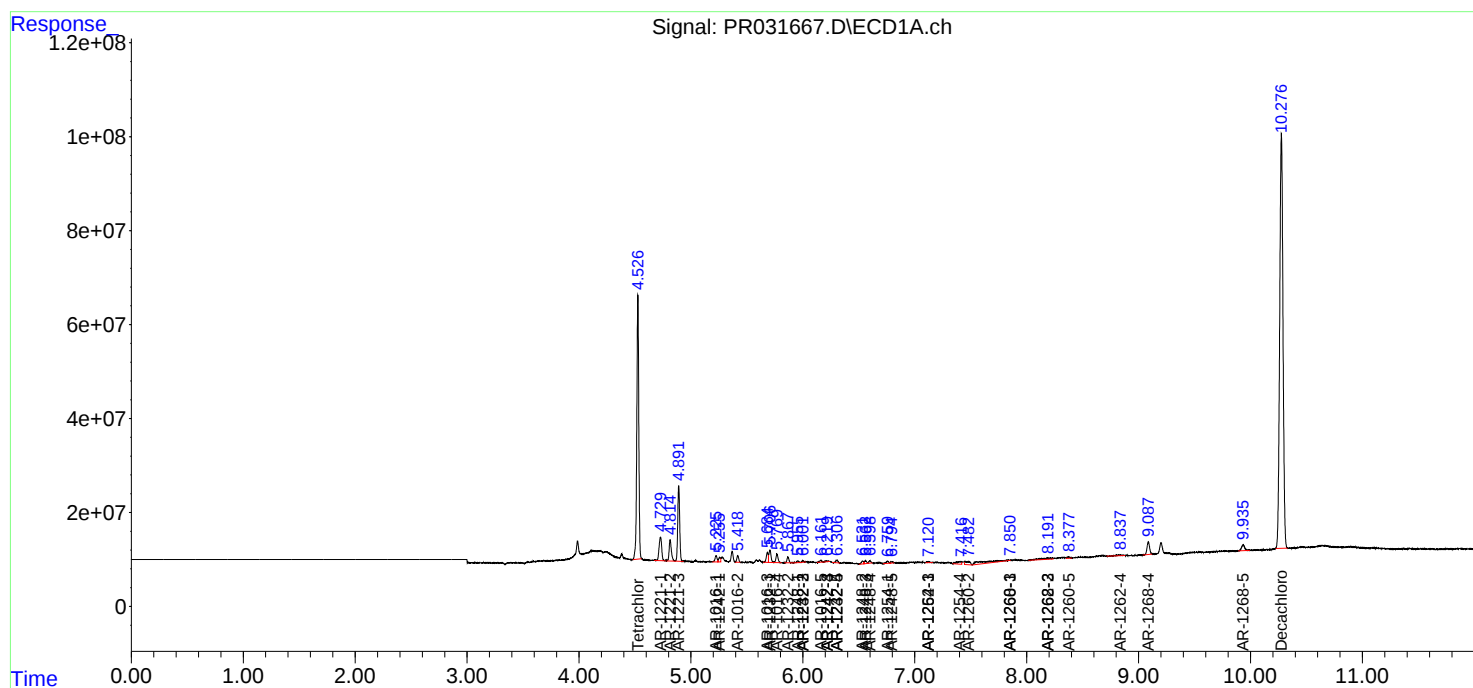
Instrument :  
ECD\_R  
ClientSampleId :

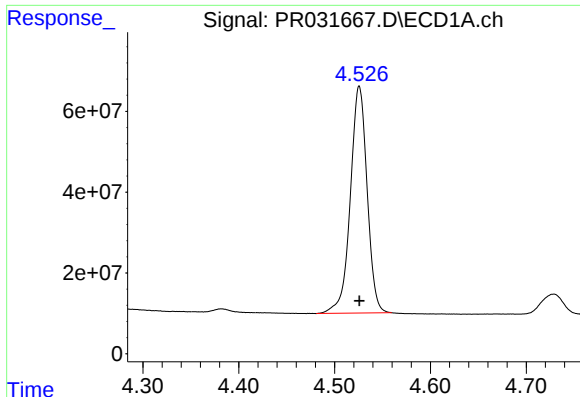
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR083018\  
Data File : PR031667.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Aug 2018 20:16  
Operator : SM\SJ  
Sample : AR1221ICC500  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_R  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 31 07:18:25 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR083018.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Aug 31 07:18:17 2018  
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

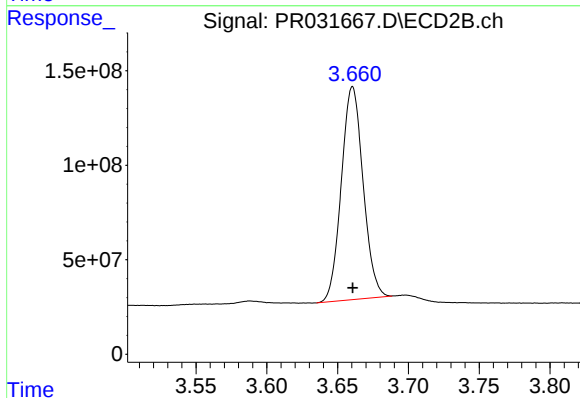




#1 Tetrachloro-m-xylene

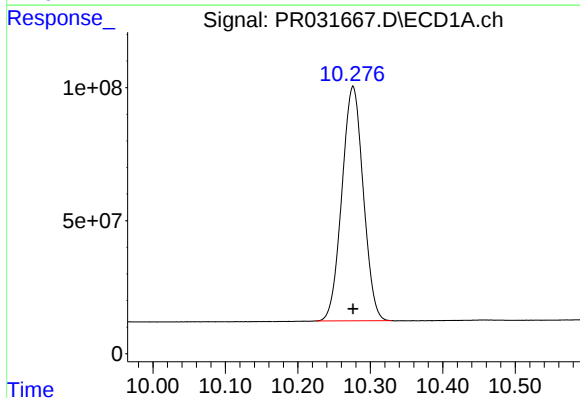
R.T.: 4.526 min  
Delta R.T.: 0.000 min  
Response: 687859406  
Conc: 51.78 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



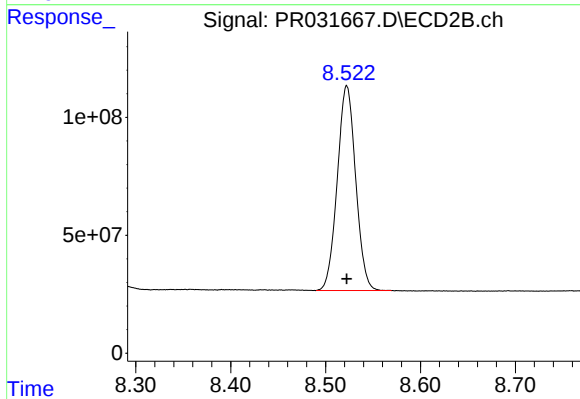
#1 Tetrachloro-m-xylene

R.T.: 3.661 min  
Delta R.T.: 0.000 min  
Response: 1205242497  
Conc: 50.14 ng/ml



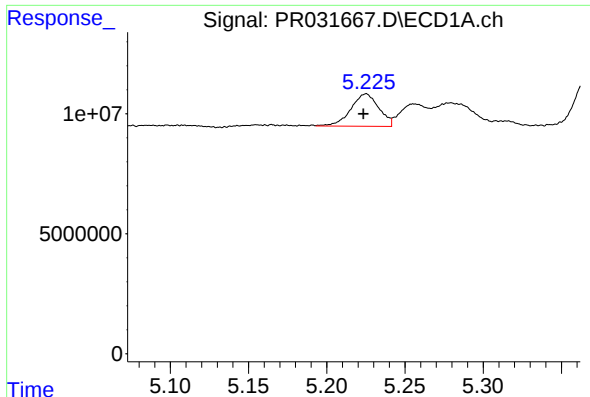
#2 Decachlorobiphenyl

R.T.: 10.276 min  
Delta R.T.: 0.000 min  
Response: 1803944325  
Conc: 66.85 ng/ml



#2 Decachlorobiphenyl

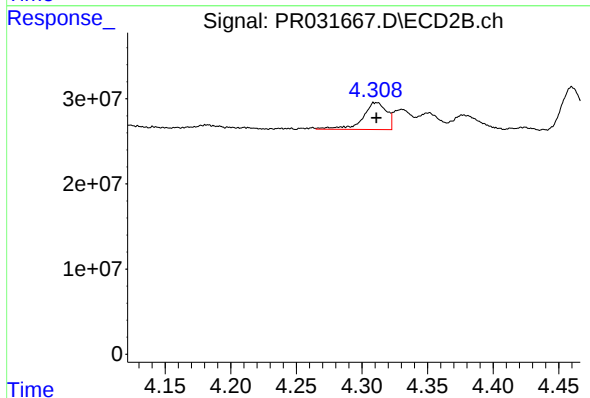
R.T.: 8.522 min  
Delta R.T.: 0.000 min  
Response: 1170818145  
Conc: 67.13 ng/ml



#3 AR-1016-1

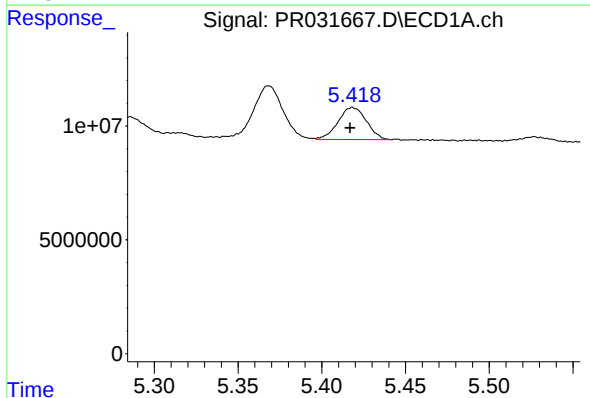
R.T.: 5.225 min  
Delta R.T.: 0.002 min  
Response: 16882768  
Conc: 45.19 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



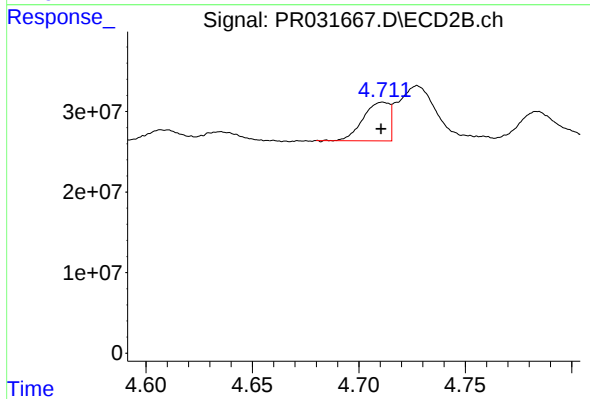
#3 AR-1016-1

R.T.: 4.309 min  
Delta R.T.: -0.002 min  
Response: 39738007  
Conc: 50.61 ng/ml



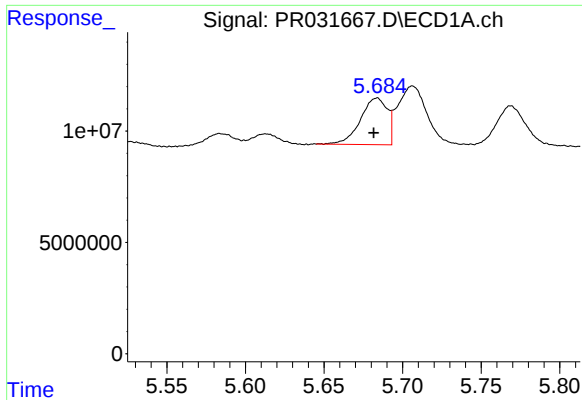
#4 AR-1016-2

R.T.: 5.418 min  
Delta R.T.: 0.001 min  
Response: 16583726  
Conc: 44.48 ng/ml



#4 AR-1016-2

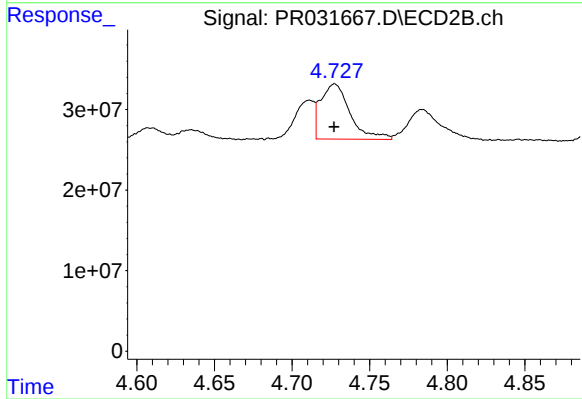
R.T.: 4.711 min  
Delta R.T.: 0.000 min  
Response: 41261168  
Conc: 36.50 ng/ml



#5 AR-1016-3

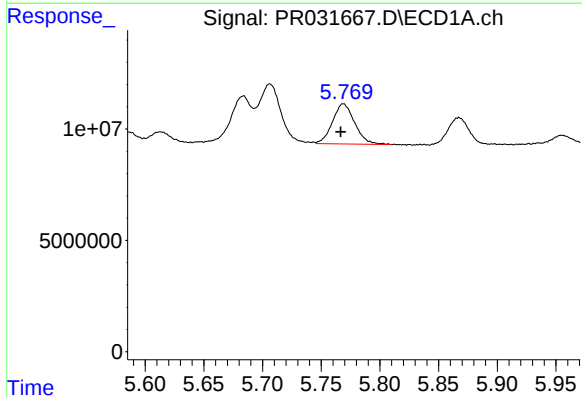
R.T.: 5.684 min  
Delta R.T.: 0.002 min  
Response: 24856807  
Conc: 40.61 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



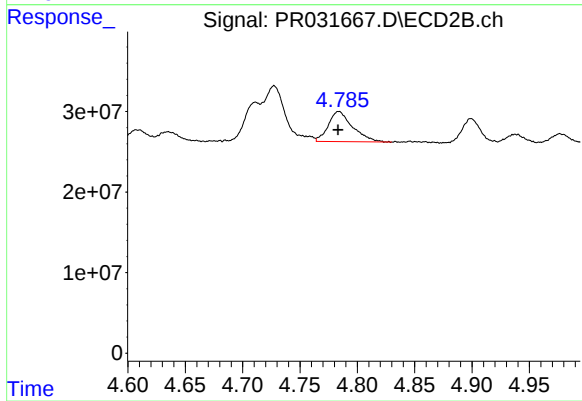
#5 AR-1016-3

R.T.: 4.728 min  
Delta R.T.: 0.000 min  
Response: 90332312  
Conc: 47.73 ng/ml



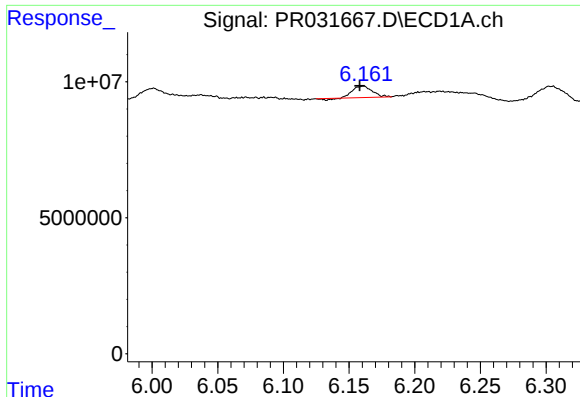
#6 AR-1016-4

R.T.: 5.769 min  
Delta R.T.: 0.002 min  
Response: 23727008  
Conc: 45.73 ng/ml



#6 AR-1016-4

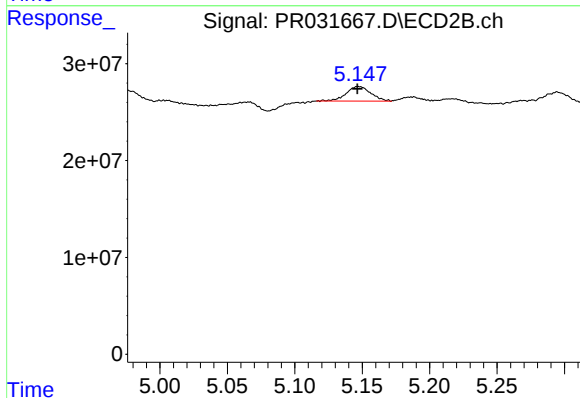
R.T.: 4.784 min  
Delta R.T.: 0.000 min  
Response: 55317331  
Conc: 47.36 ng/ml



#7 AR-1016-5

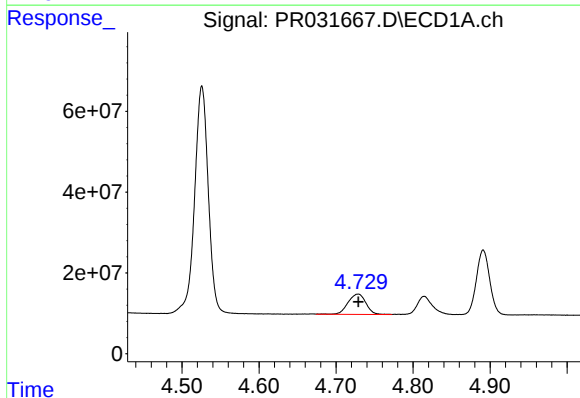
R.T.: 6.161 min  
Delta R.T.: 0.003 min  
Response: 4197371  
Conc: 9.48 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



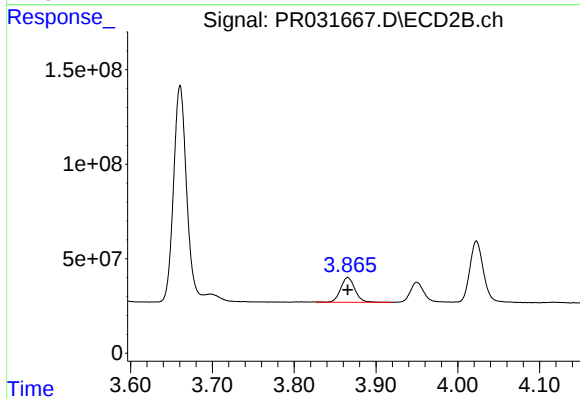
#7 AR-1016-5

R.T.: 5.147 min  
Delta R.T.: 0.000 min  
Response: 19349491  
Conc: 17.82 ng/ml



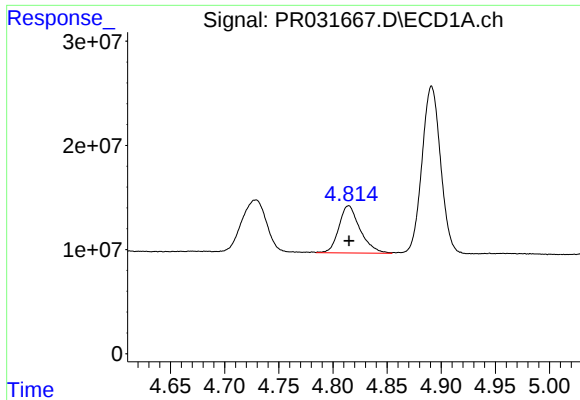
#8 AR-1221-1

R.T.: 4.729 min  
Delta R.T.: 0.000 min  
Response: 81538928  
Conc: 500.00 ng/ml



#8 AR-1221-1

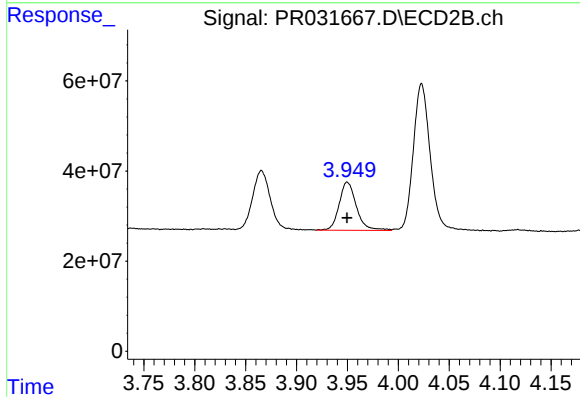
R.T.: 3.866 min  
Delta R.T.: 0.000 min  
Response: 160765090  
Conc: 500.00 ng/ml



#9 AR-1221-2

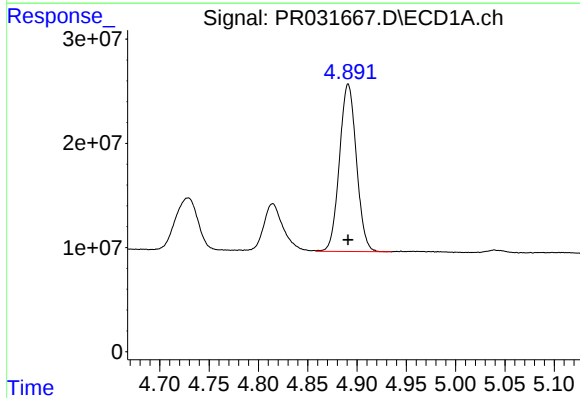
R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 61804435  
Conc: 500.00 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



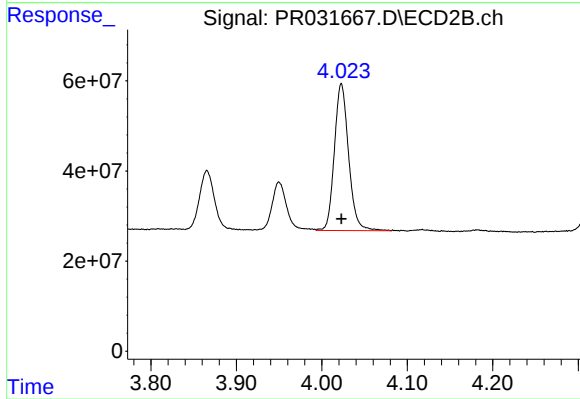
#9 AR-1221-2

R.T.: 3.950 min  
Delta R.T.: 0.000 min  
Response: 125794216  
Conc: 500.00 ng/ml



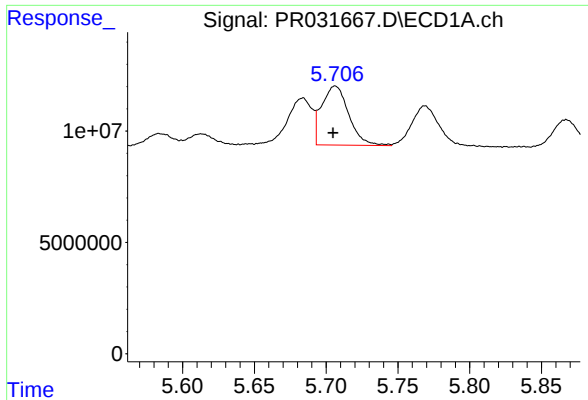
#10 AR-1221-3

R.T.: 4.891 min  
Delta R.T.: 0.000 min  
Response: 192519832  
Conc: 500.00 ng/ml



#10 AR-1221-3

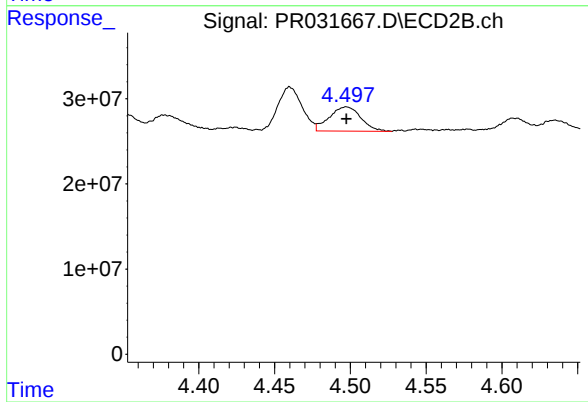
R.T.: 4.023 min  
Delta R.T.: 0.000 min  
Response: 376936525  
Conc: 500.00 ng/ml



#11 AR-1232-1

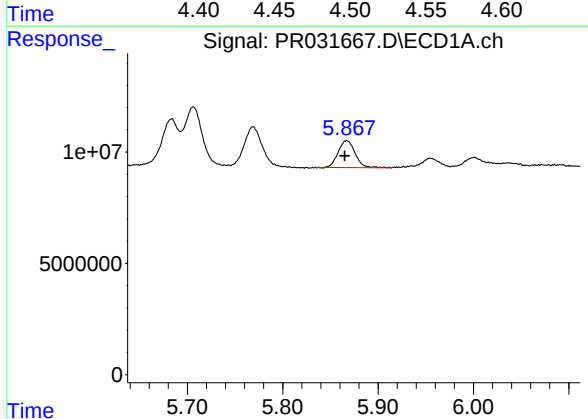
R.T.: 5.706 min  
Delta R.T.: 0.002 min  
Response: 34738051  
Conc: 95.04 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



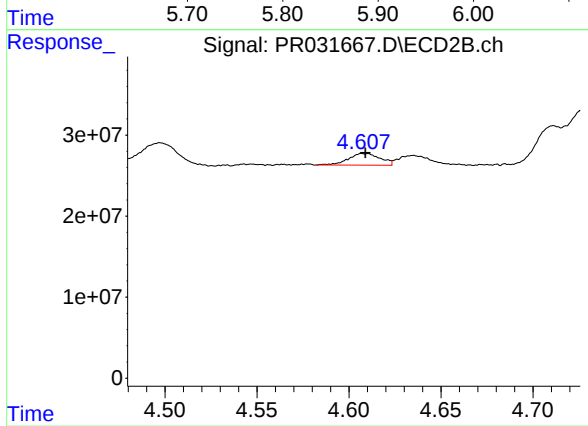
#11 AR-1232-1

R.T.: 4.497 min  
Delta R.T.: 0.000 min  
Response: 41269261  
Conc: 117.50 ng/ml



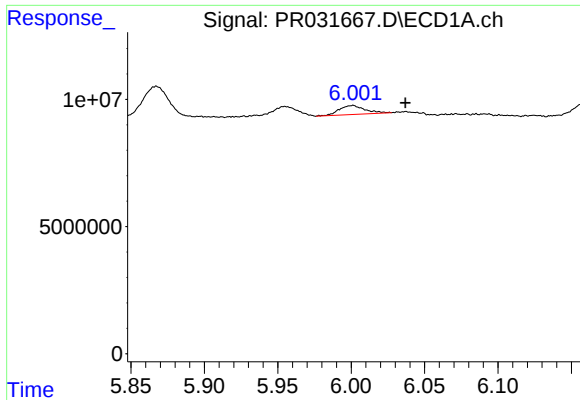
#12 AR-1232-2

R.T.: 5.867 min  
Delta R.T.: 0.002 min  
Response: 14907015  
Conc: 88.13 ng/ml



#12 AR-1232-2

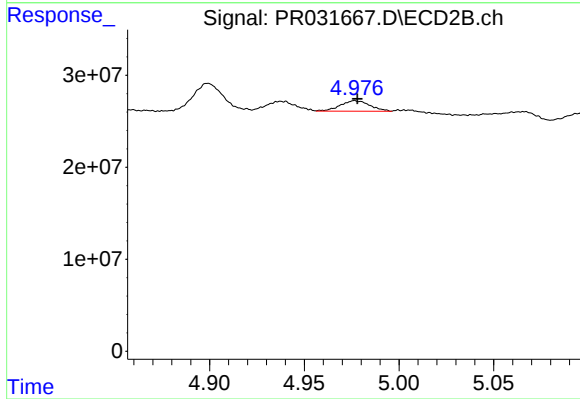
R.T.: 4.607 min  
Delta R.T.: -0.002 min  
Response: 17277720  
Conc: 149.75 ng/ml



#13 AR-1232-3

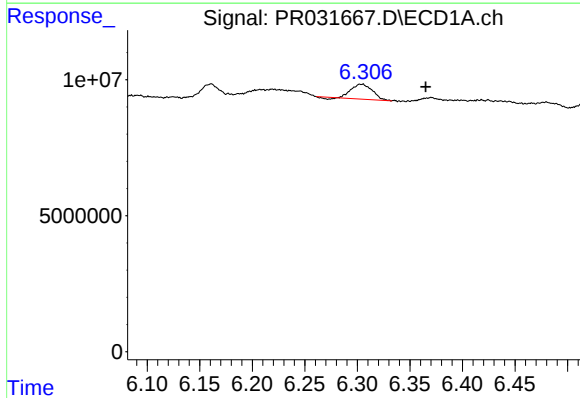
R.T.: 6.001 min  
Delta R.T.: -0.036 min  
Response: 4359883  
Conc: 92.79 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



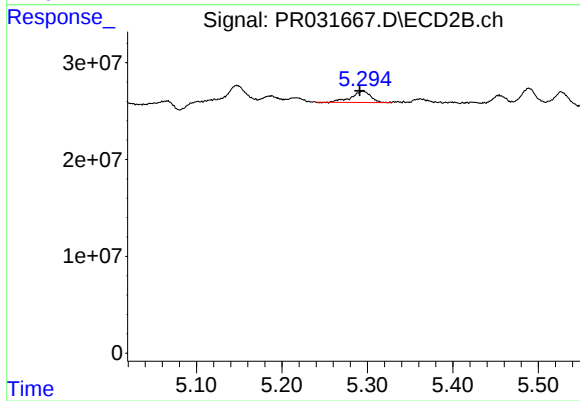
#13 AR-1232-3

R.T.: 4.977 min  
Delta R.T.: -0.001 min  
Response: 12401296  
Conc: 32.85 ng/ml



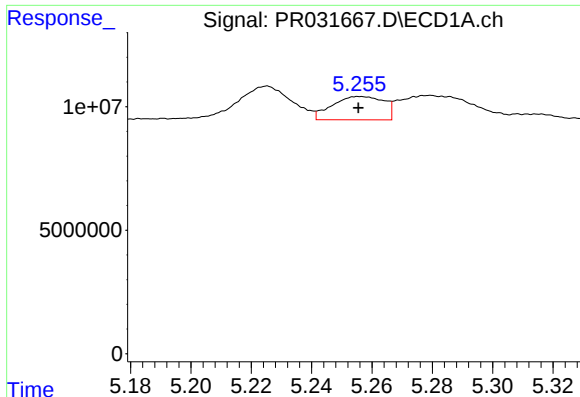
#14 AR-1232-4

R.T.: 6.305 min  
Delta R.T.: -0.059 min  
Response: 7574764  
Conc: 156.24 ng/ml



#14 AR-1232-4

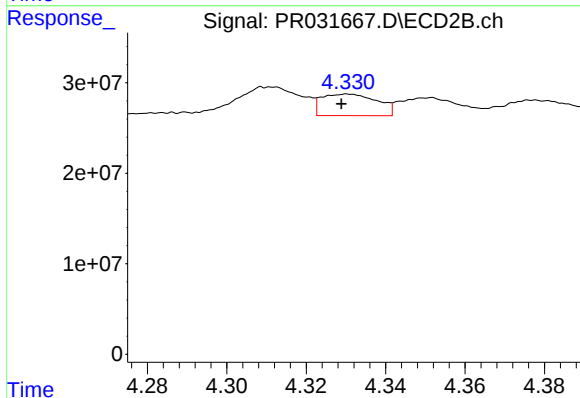
R.T.: 5.295 min  
Delta R.T.: 0.003 min  
Response: 18715763  
Conc: 40.23 ng/ml



#16 AR-1242-1

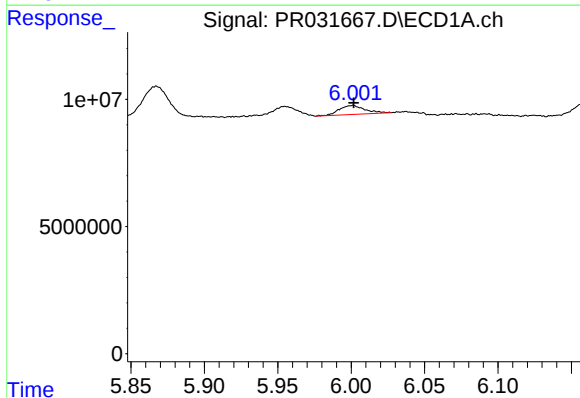
R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 11212231  
Conc: 71.38 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



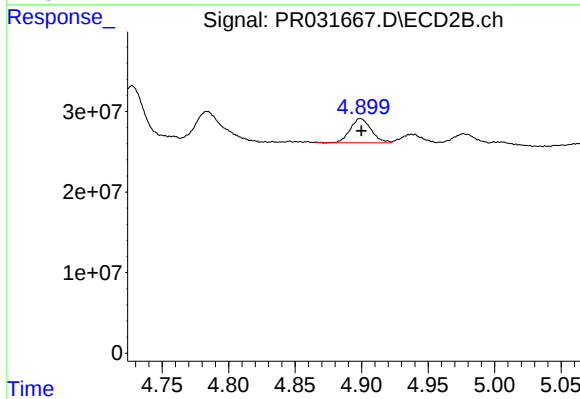
#16 AR-1242-1

R.T.: 4.330 min  
Delta R.T.: 0.002 min  
Response: 23236434  
Conc: 69.61 ng/ml



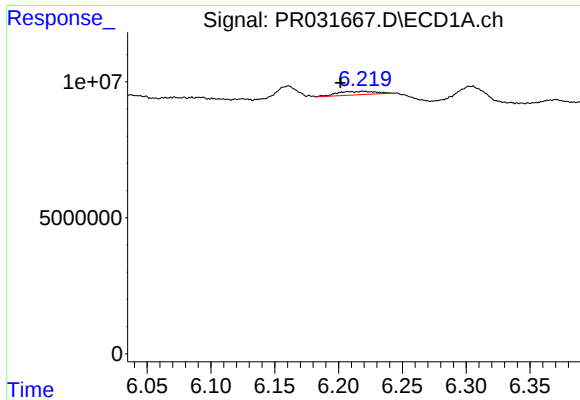
#17 AR-1242-2

R.T.: 6.001 min  
Delta R.T.: 0.000 min  
Response: 4359883  
Conc: 14.71 ng/ml



#17 AR-1242-2

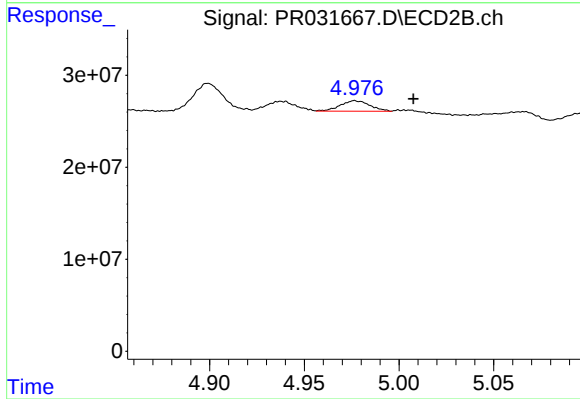
R.T.: 4.899 min  
Delta R.T.: 0.000 min  
Response: 32876035  
Conc: 44.32 ng/ml



#18 AR-1242-3

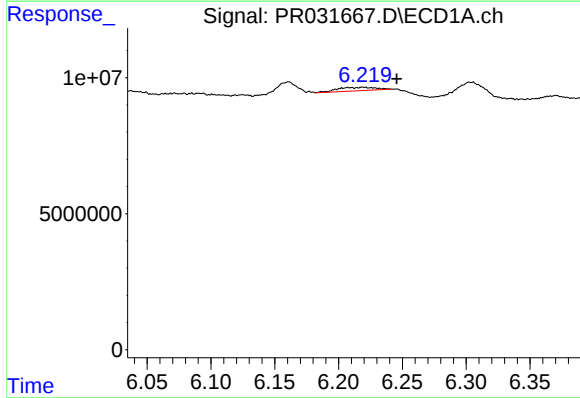
R.T.: 6.219 min  
Delta R.T.: 0.018 min  
Response: 2631537  
Conc: 16.89 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



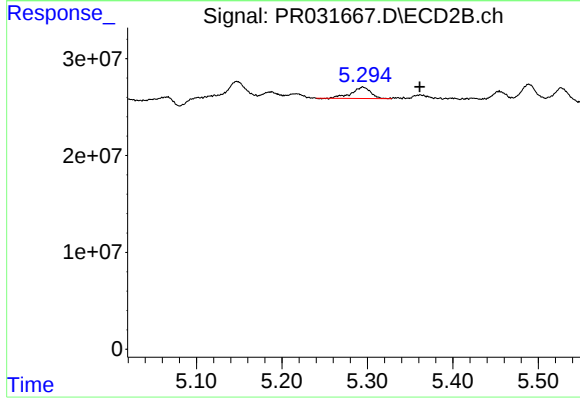
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: -0.031 min  
Response: 12401296  
Conc: 48.22 ng/ml



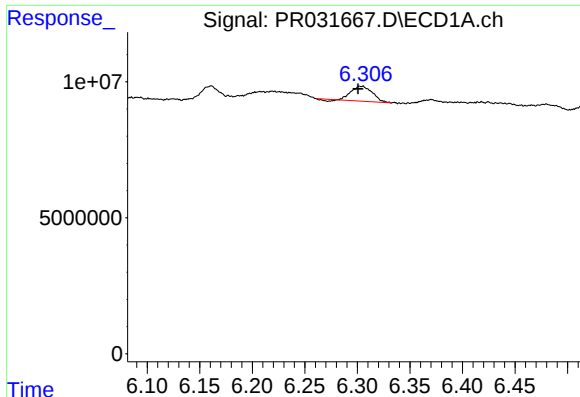
#19 AR-1242-4

R.T.: 6.219 min  
Delta R.T.: -0.027 min  
Response: 2631537  
Conc: 22.16 ng/ml



#19 AR-1242-4

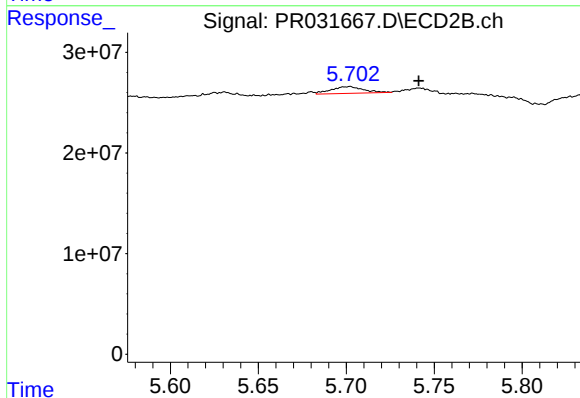
R.T.: 5.295 min  
Delta R.T.: -0.067 min  
Response: 18715763  
Conc: 75.02 ng/ml



#20 AR-1242-5

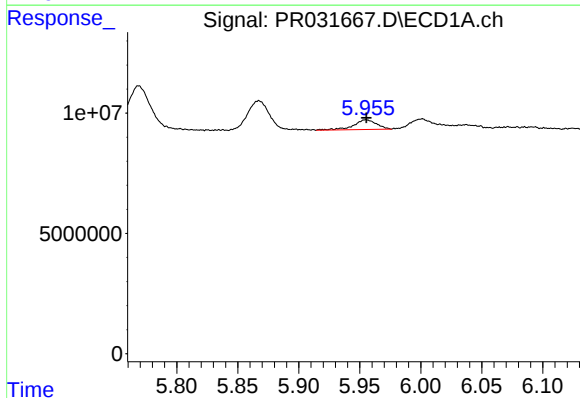
R.T.: 6.305 min  
Delta R.T.: 0.005 min  
Response: 7574764  
Conc: 19.81 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



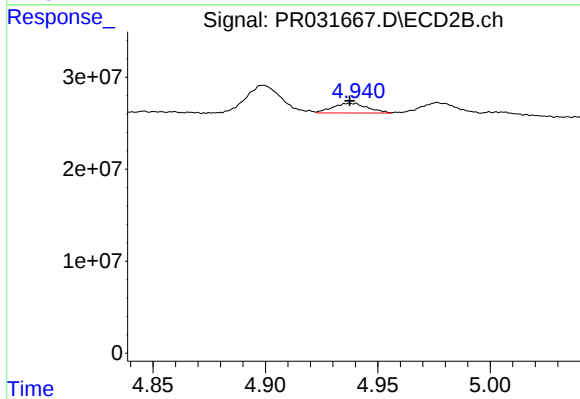
#20 AR-1242-5

R.T.: 5.702 min  
Delta R.T.: -0.039 min  
Response: 8520218  
Conc: 14.69 ng/ml



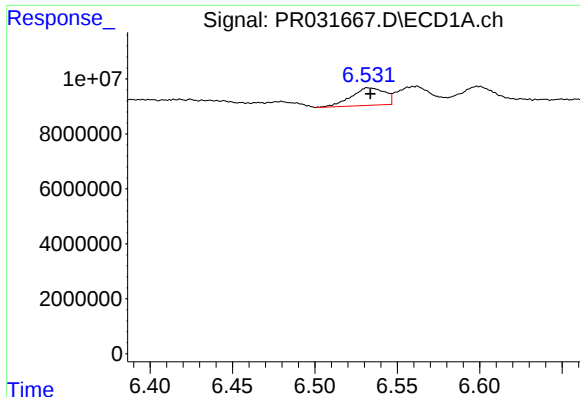
#21 AR-1248-1

R.T.: 5.955 min  
Delta R.T.: 0.000 min  
Response: 5311164  
Conc: 10.47 ng/ml



#21 AR-1248-1

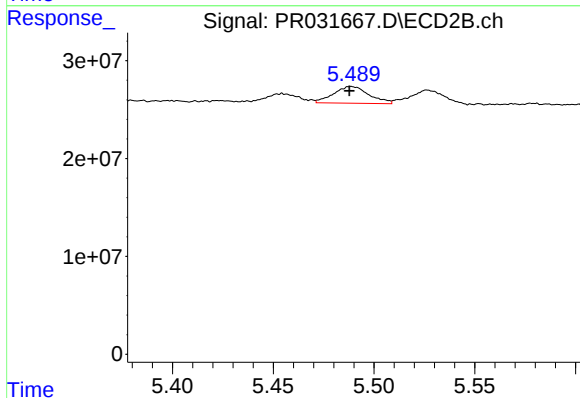
R.T.: 4.938 min  
Delta R.T.: 0.000 min  
Response: 11552086  
Conc: 10.44 ng/ml



#22 AR-1248-2

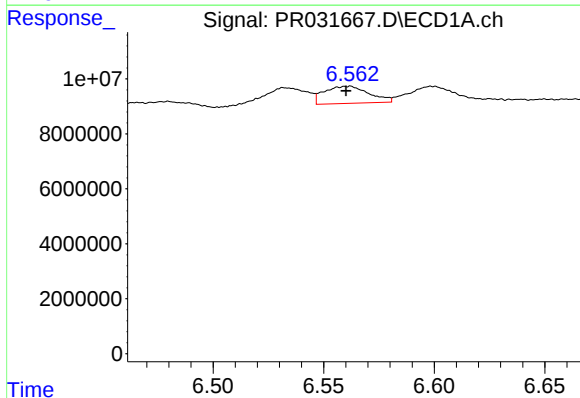
R.T.: 6.532 min  
Delta R.T.: -0.002 min  
Response: 9034614  
Conc: 16.84 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



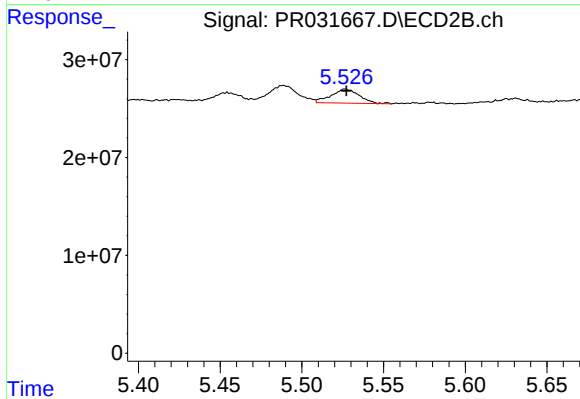
#22 AR-1248-2

R.T.: 5.489 min  
Delta R.T.: 0.000 min  
Response: 20889812  
Conc: 9.18 ng/ml



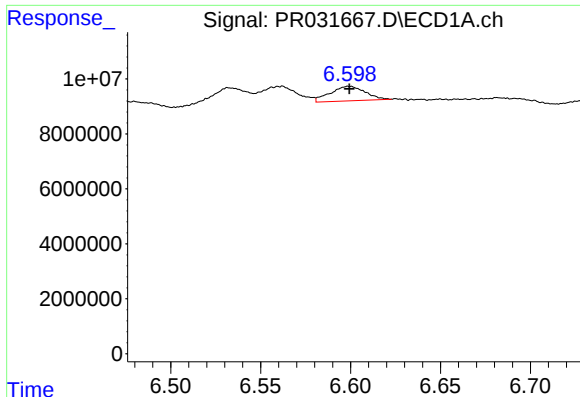
#23 AR-1248-3

R.T.: 6.562 min  
Delta R.T.: 0.002 min  
Response: 8824073  
Conc: 12.11 ng/ml



#23 AR-1248-3

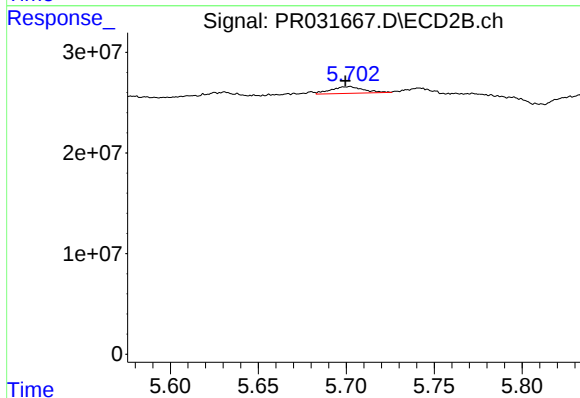
R.T.: 5.526 min  
Delta R.T.: -0.001 min  
Response: 17281923  
Conc: 10.84 ng/ml



#24 AR-1248-4

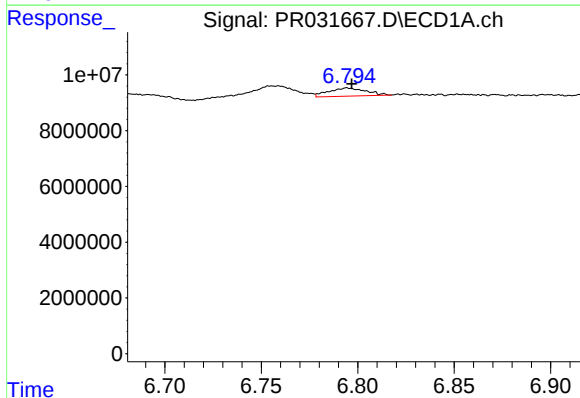
R.T.: 6.599 min  
Delta R.T.: 0.000 min  
Response: 7148421  
Conc: 10.36 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



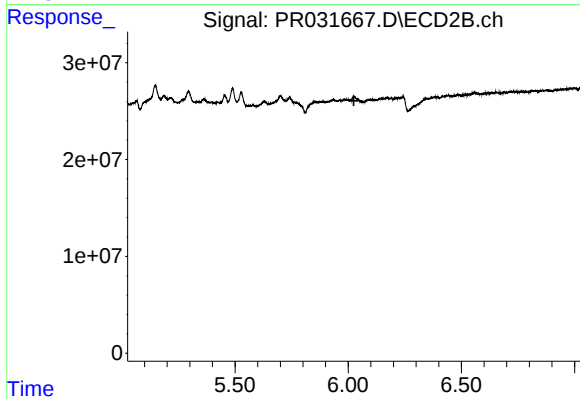
#24 AR-1248-4

R.T.: 5.702 min  
Delta R.T.: 0.003 min  
Response: 8520218  
Conc: 5.91 ng/ml



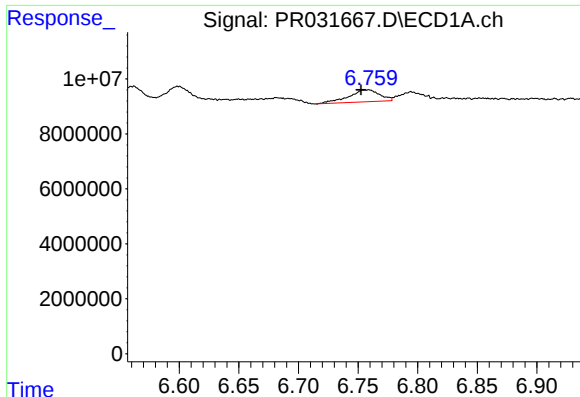
#25 AR-1248-5

R.T.: 6.794 min  
Delta R.T.: -0.003 min  
Response: 3941969  
Conc: 8.33 ng/ml



#25 AR-1248-5

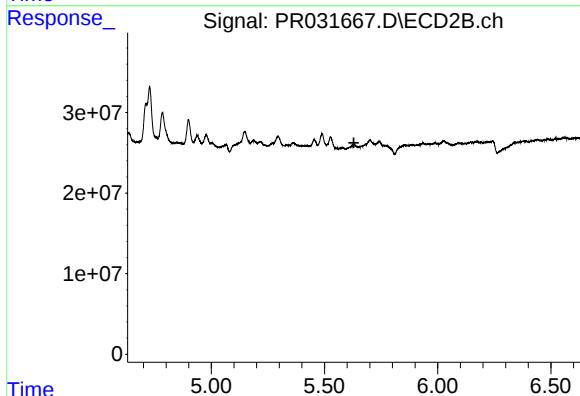
R.T.: 0.000 min  
Exp R.T.: 6.025 min  
Response: 0  
Conc: N.D.



#26 AR-1254-1

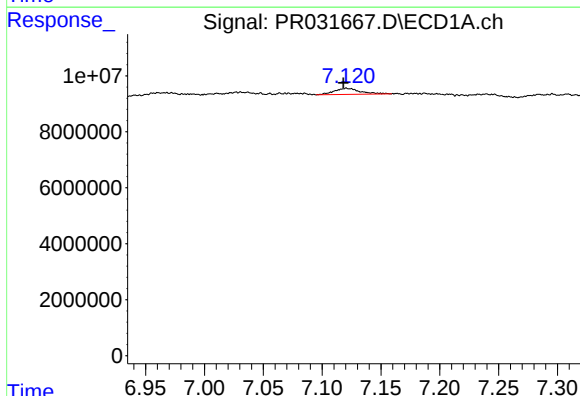
R.T.: 6.759 min  
Delta R.T.: 0.007 min  
Response: 7957349  
Conc: 6.01 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



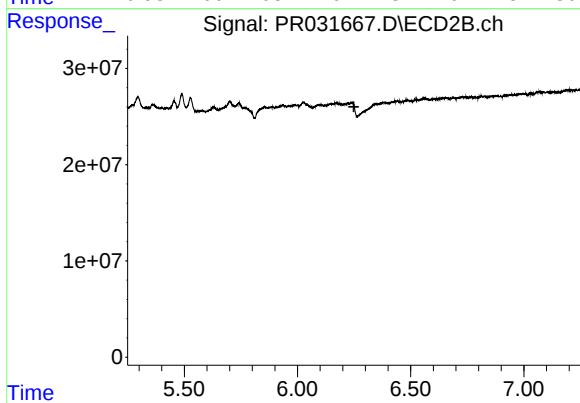
#26 AR-1254-1

R.T.: 0.000 min  
Exp R.T. : 5.630 min  
Response: 0  
Conc: N.D.



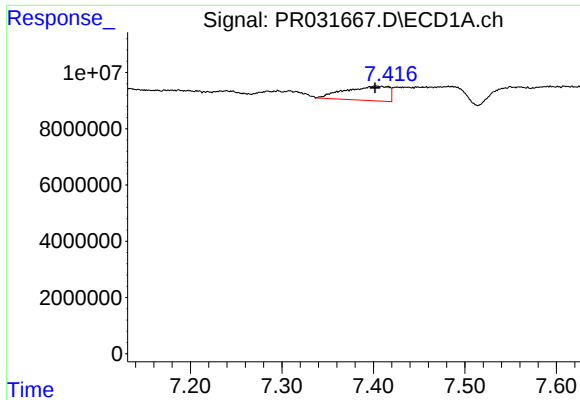
#28 AR-1254-3

R.T.: 7.121 min  
Delta R.T.: 0.003 min  
Response: 3387791  
Conc: 2.28 ng/ml



#28 AR-1254-3

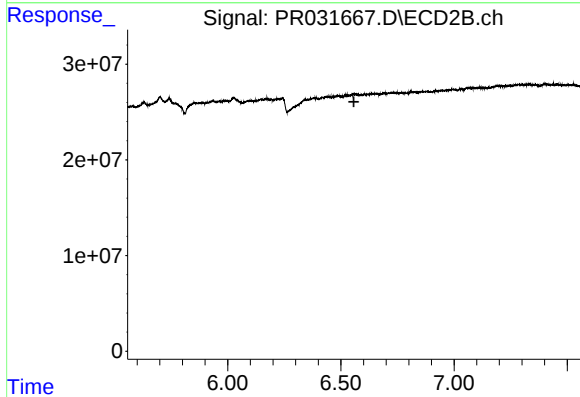
R.T.: 0.000 min  
Exp R.T. : 6.249 min  
Response: 0  
Conc: N.D.



#29 AR-1254-4

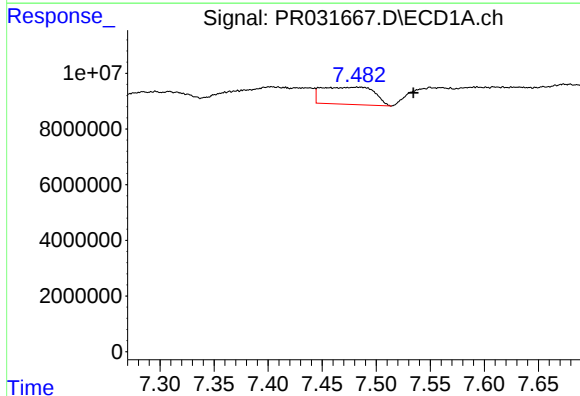
R.T.: 7.403 min  
Delta R.T.: 0.001 min  
Response: 16902384  
Conc: 14.11 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



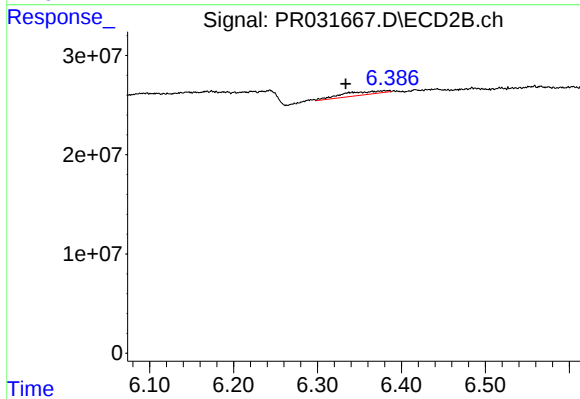
#29 AR-1254-4

R.T.: 0.000 min  
Exp R.T. : 6.558 min  
Response: 0  
Conc: N.D.



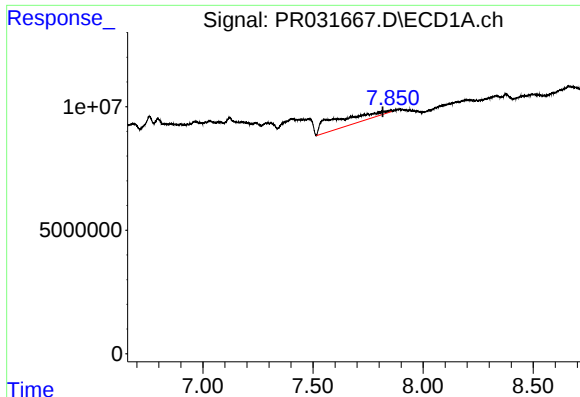
#32 AR-1260-2

R.T.: 7.482 min  
Delta R.T.: -0.052 min  
Response: 20986356  
Conc: 15.85 ng/ml



#32 AR-1260-2

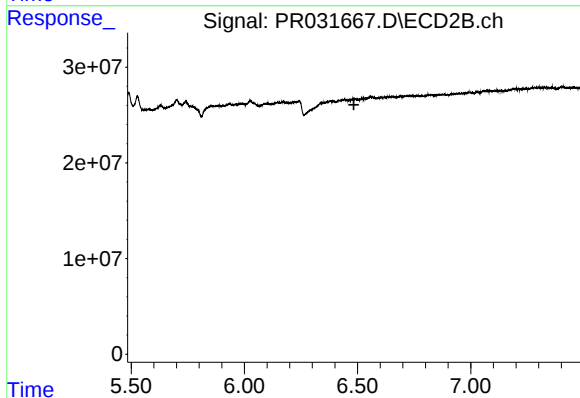
R.T.: 6.380 min  
Delta R.T.: 0.046 min  
Response: 12264656  
Conc: 4.40 ng/ml



#33 AR-1260-3

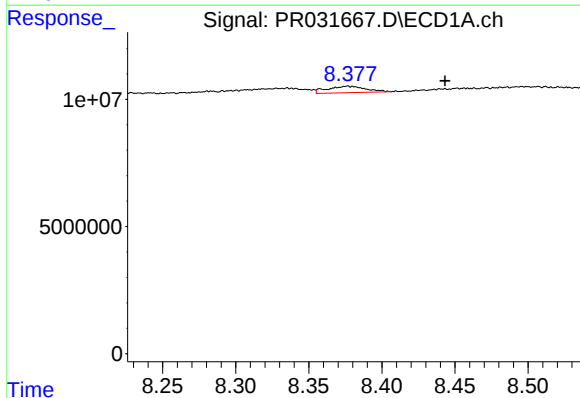
R.T.: 7.850 min  
Delta R.T.: 0.033 min  
Response: 55100088  
Conc: 35.70 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



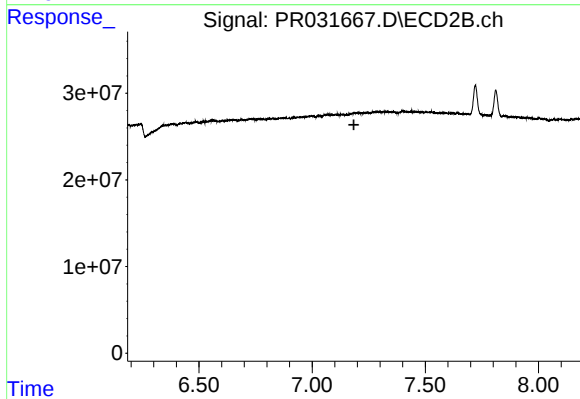
#33 AR-1260-3

R.T.: 0.000 min  
Exp R.T. : 6.484 min  
Response: 0  
Conc: N.D.



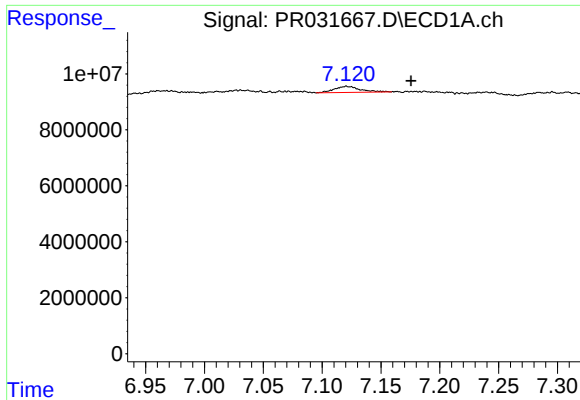
#35 AR-1260-5

R.T.: 8.376 min  
Delta R.T.: -0.067 min  
Response: 4671516  
Conc: 1.80 ng/ml



#35 AR-1260-5

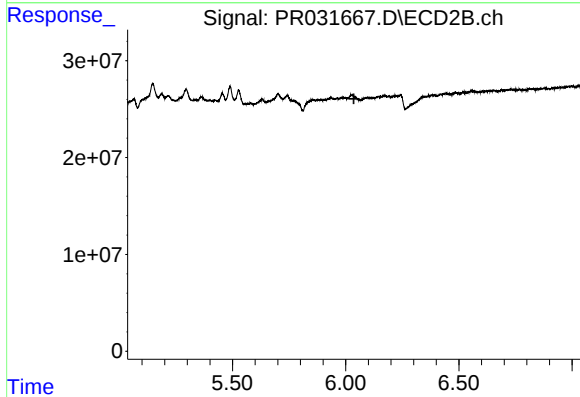
R.T.: 0.000 min  
Exp R.T. : 7.184 min  
Response: 0  
Conc: N.D.



#36 AR-1262-1

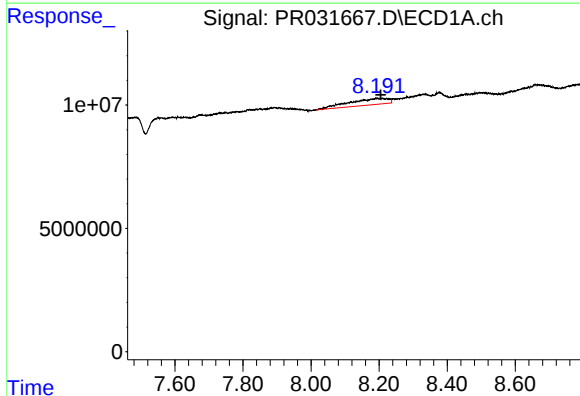
R.T.: 7.121 min  
Delta R.T.: -0.055 min  
Response: 3387791  
Conc: 5.72 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



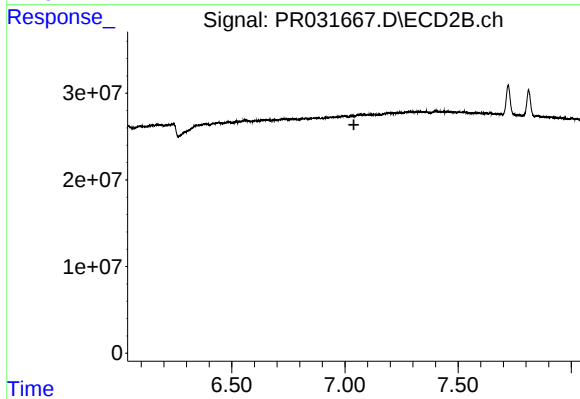
#36 AR-1262-1

R.T.: 0.000 min  
Exp R.T. : 6.036 min  
Response: 0  
Conc: N.D.



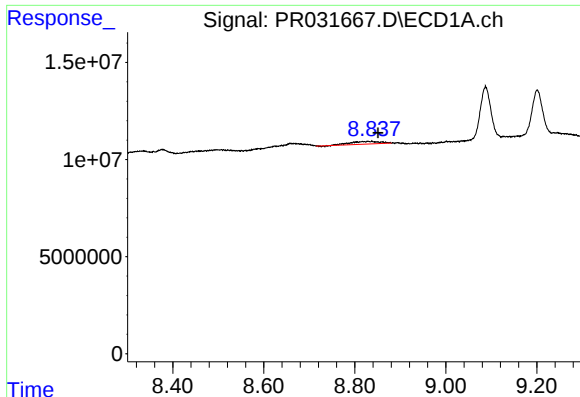
#38 AR-1262-3

R.T.: 8.196 min  
Delta R.T.: -0.008 min  
Response: 20165733  
Conc: 38.93 ng/ml



#38 AR-1262-3

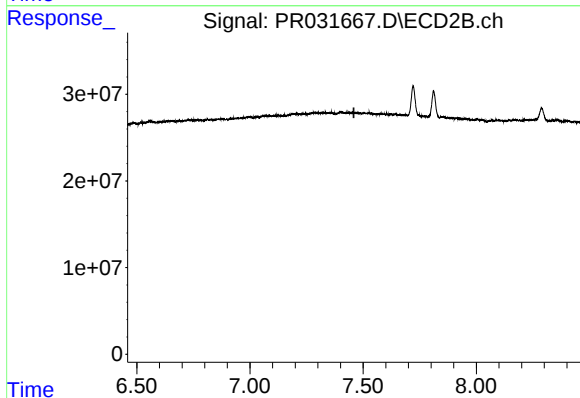
R.T.: 0.000 min  
Exp R.T. : 7.040 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

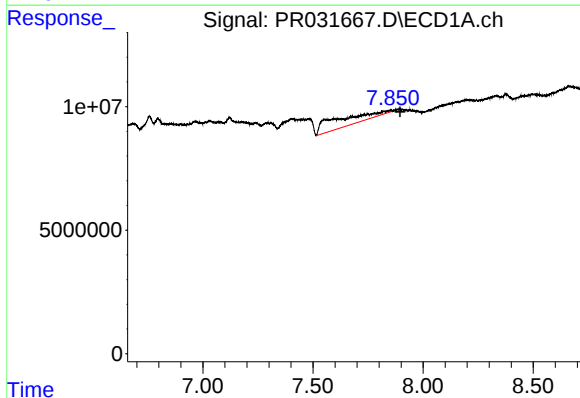
R.T.: 8.838 min  
Delta R.T.: -0.013 min  
Response: 6273850  
Conc: 4.10 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



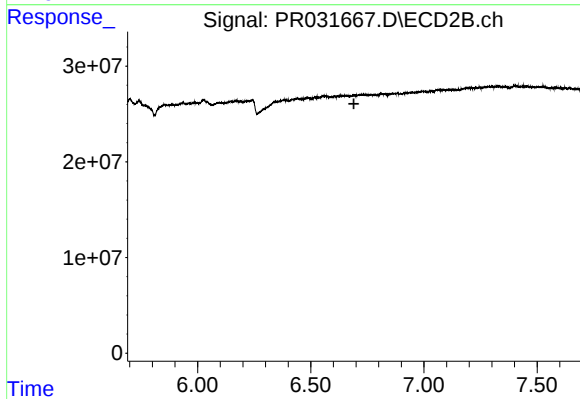
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T. : 7.459 min  
Response: 0  
Conc: N.D.



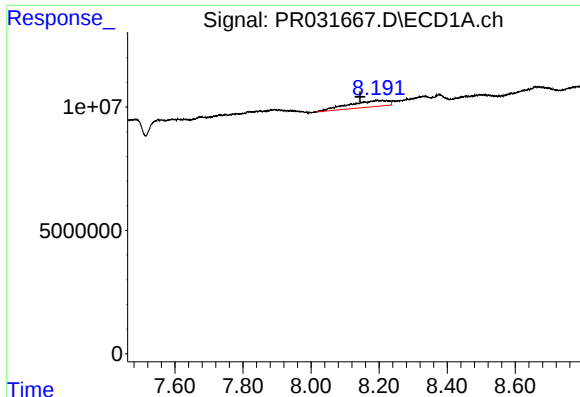
#41 AR-1268-1

R.T.: 7.850 min  
Delta R.T.: -0.046 min  
Response: 55100088  
Conc: 95.08 ng/ml



#41 AR-1268-1

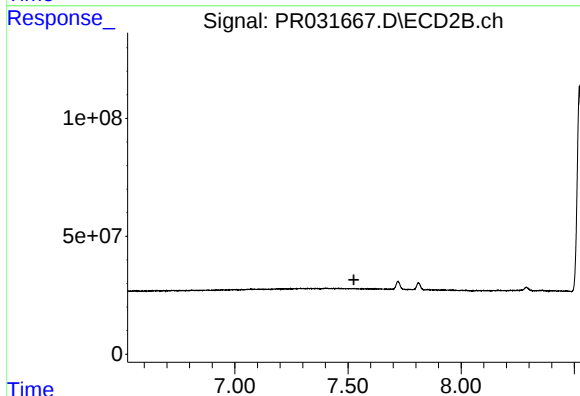
R.T.: 0.000 min  
Exp R.T. : 6.691 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

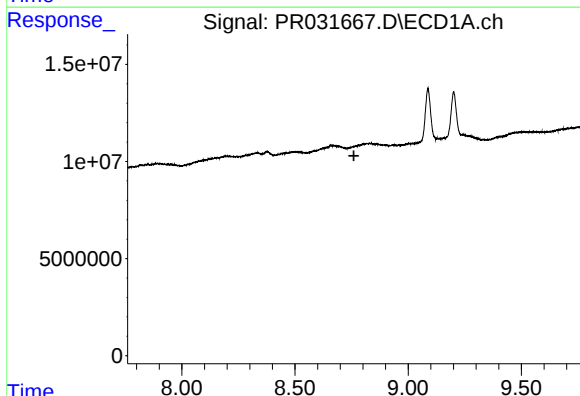
R.T.: 8.196 min  
Delta R.T.: 0.052 min  
Response: 20165733  
Conc: 24.94 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



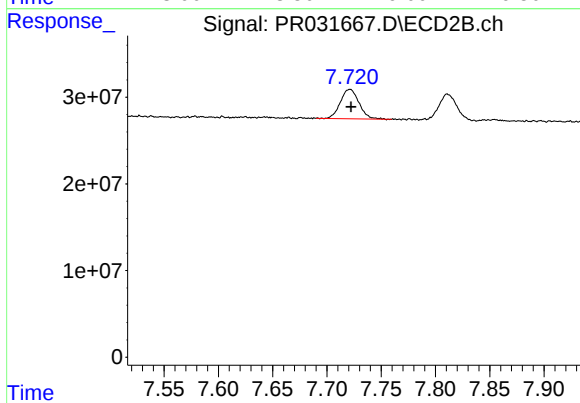
#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T. : 7.526 min  
Response: 0  
Conc: N.D.



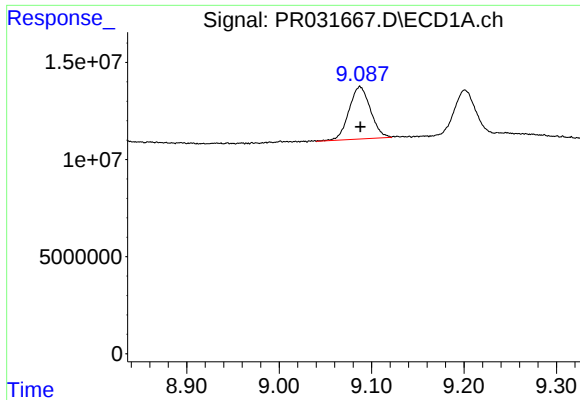
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T. : 8.760 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

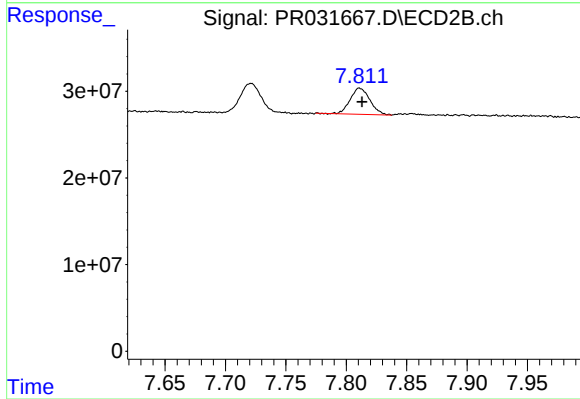
R.T.: 7.721 min  
Delta R.T.: -0.001 min  
Response: 40410646  
Conc: 18.65 ng/ml



#44 AR-1268-4

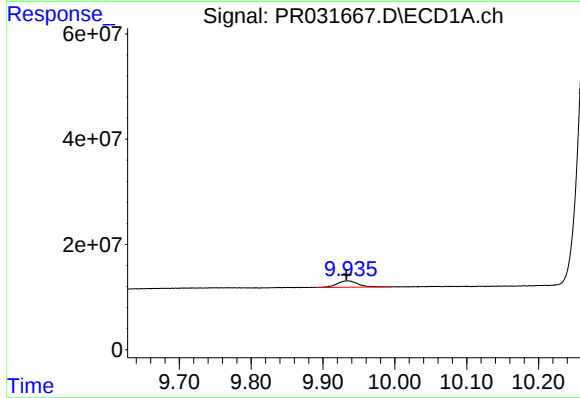
R.T.: 9.087 min  
Delta R.T.: 0.000 min  
Response: 43406927  
Conc: 14.68 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



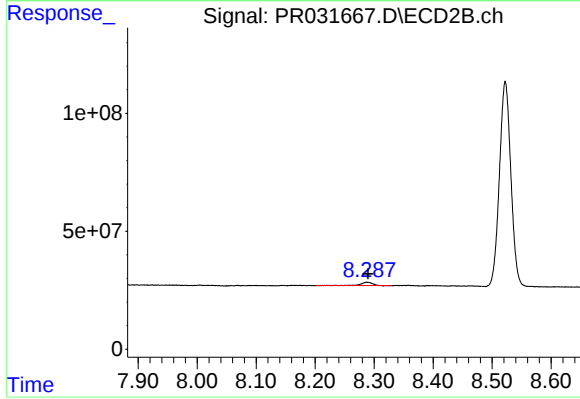
#44 AR-1268-4

R.T.: 7.811 min  
Delta R.T.: -0.002 min  
Response: 34199350  
Conc: 52.89 ng/ml



#45 AR-1268-5

R.T.: 9.935 min  
Delta R.T.: 0.002 min  
Response: 24251057  
Conc: 2.75 ng/ml



#45 AR-1268-5

R.T.: 8.288 min  
Delta R.T.: -0.002 min  
Response: 20312158  
Conc: 3.37 ng/ml