

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ092519\  
 Data File : PQ043819.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Sep 2019 10:54  
 Operator : SM\AJ  
 Sample : MDL-AR1254-S-5  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 MDL-AR1254-S-5

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 24 12:26:54 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ092419CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Sep 24 07:41:41 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2  
 Signal #1 Info : 30Mx0.32mmx 0.5µm 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... | 5.231  | 4.408 | 48755287 | 26564786 | 25.989 | 26.688   |
| 2)                          | SA Decachlor... | 11.401 | 9.863 | 272.2E6  | 90940055 | 43.076 | 43.190   |
| Target Compounds            |                 |        |       |          |          |        |          |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 29.258 # |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 35.772 # |
| 7)                          | L1 AR-1016-5    | 0.000  | 6.189 | 0        | 548240   | N.D.   | 19.420 # |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.773 | 0        | 649403   | N.D.   | 67.014 # |
| 13)                         | L3 AR-1232-3    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 60.934 # |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 65.959 # |
| 15)                         | L3 AR-1232-5    | 6.841  | 6.189 | 1721894  | 548240   | 79.406 | 43.128 # |
| 18)                         | L4 AR-1242-3    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 30.525 # |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 30.242 # |
| 20)                         | L4 AR-1242-5    | 7.487  | 6.573 | 1808135  | 2712050  | 23.622 | 78.128 # |
| 22)                         | L5 AR-1248-2    | 6.841  | 5.955 | 1721894  | 778793   | 18.069 | 19.785   |
| 23)                         | L5 AR-1248-3    | 0.000  | 5.955 | 0        | 778793   | N.D.   | 18.884 # |
| 24)                         | L5 AR-1248-4    | 7.487  | 6.189 | 1808135  | 548240   | 12.940 | 11.001   |
| 25)                         | L5 AR-1248-5    | 7.487  | 6.616 | 1808135  | 519740   | 13.511 | 9.787 #  |
| 26)                         | L6 AR-1254-1    | 7.459  | 6.573 | 4761137  | 2712050  | 35.233 | 35.865   |
| 27)                         | L6 AR-1254-2    | 7.689  | 6.730 | 6451738  | 2596008  | 29.882 | 37.128   |
| 28)                         | L6 AR-1254-3    | 8.071  | 7.160 | 7934576  | 3560419  | 31.218 | 30.327   |
| 29)                         | L6 AR-1254-4    | 8.366  | 7.398 | 5985432  | 2289683  | 29.669 | 28.683   |
| 30)                         | L6 AR-1254-5    | 8.797  | 7.833 | 6958625  | 3535675  | 26.246 | 32.499   |
| 31)                         | L7 AR-1260-1    | 8.240  | 7.296 | 2382863  | 1788856  | 17.570 | 30.651 # |
| 32)                         | L7 AR-1260-2    | 8.503  | 7.489 | 3845475  | 1620065  | 21.525 | 21.475   |
| 33)                         | L7 AR-1260-3    | 0.000  | 7.653 | 0        | 1782371  | N.D.   | 25.876 # |
| 34)                         | L7 AR-1260-4    | 9.102  | 8.180 | 3465576  | 947275   | 18.794 | 15.922   |
| 35)                         | L7 AR-1260-5    | 0.000  | 8.365 | 0        | 1301575  | N.D.   | 8.497 #  |
| 36)                         | L8 AR-1262-1    | 0.000  | 7.906 | 0        | 611979   | N.D.   | 13.558 # |
| 37)                         | L8 AR-1262-2    | 0.000  | 8.365 | 0        | 1301575  | N.D.   | 6.211 #  |
| 38)                         | L8 AR-1262-3    | 0.000  | 8.741 | 0        | 956725   | N.D.   | 10.770 # |
| 39)                         | L8 AR-1262-4    | 0.000  | 8.741 | 0        | 956725   | N.D.   | 5.625 #  |
| 40)                         | L8 AR-1262-5    | 0.000  | 9.240 | 0        | 763954   | N.D.   | 7.479 #  |
| 41)                         | L9 AR-1268-1    | 0.000  | 8.741 | 0        | 956725   | N.D.   | 3.694 #  |
| 42)                         | L9 AR-1268-2    | 0.000  | 8.741 | 0        | 956725   | N.D.   | 3.917 #  |
| 43)                         | L9 AR-1268-3    | 10.133 | 8.957 | 2207960  | 791605   | 3.582  | 3.720    |
| 44)                         | L9 AR-1268-4    | 0.000  | 9.240 | 0        | 763954   | N.D.   | 6.537 #  |
| 45)                         | L9 AR-1268-5    | 11.037 | 9.582 | 3018648  | 800688   | 1.185  | 0.901    |
| -----                       |                 |        |       |          |          |        |          |

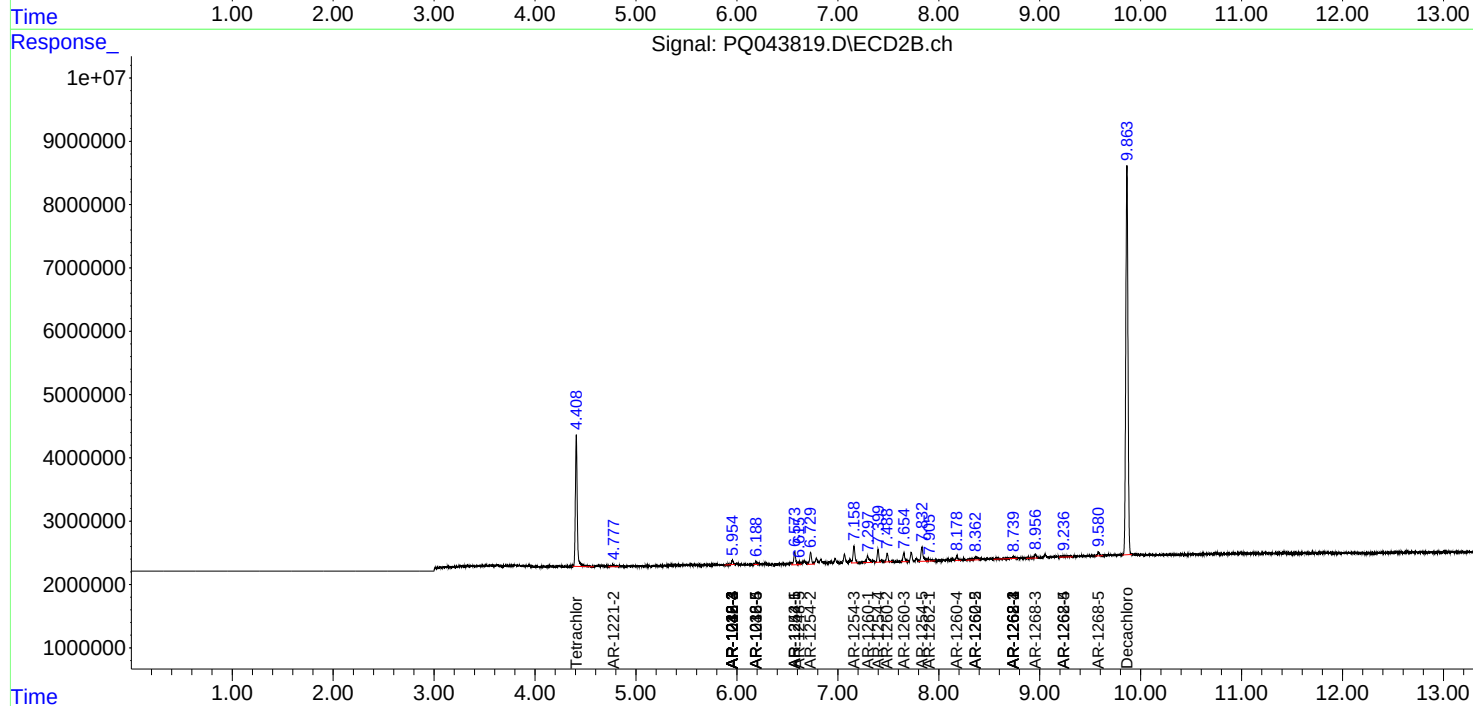
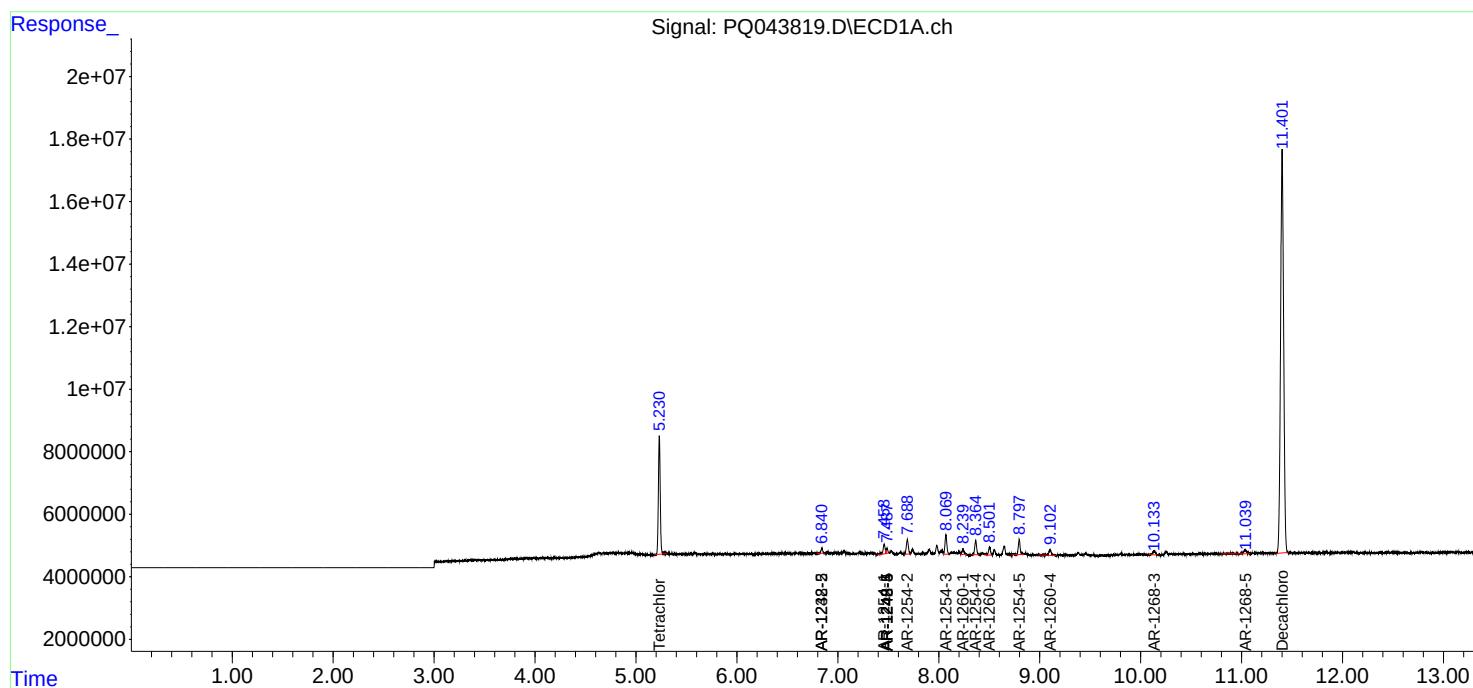
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

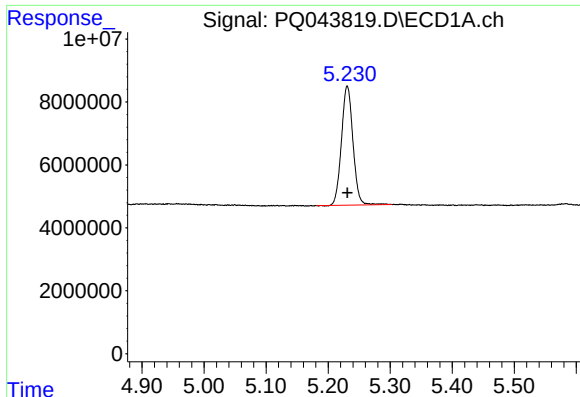
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ092519\  
Data File : PQ043819.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Sep 2019 10:54  
Operator : SM\AJ  
Sample : MDL-AR1254-S-5  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 24 12:26:54 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ092419CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Sep 24 07:41:41 2019  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2  
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

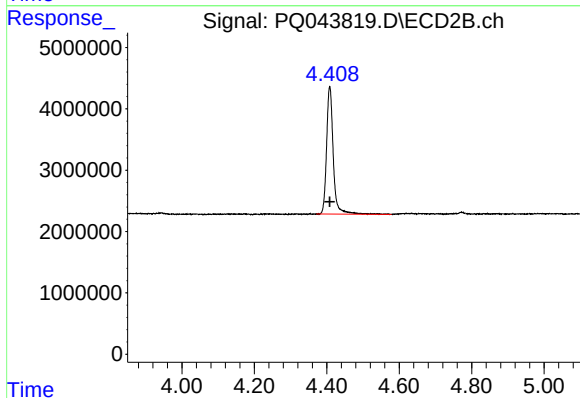




#1 Tetrachloro-m-xylene

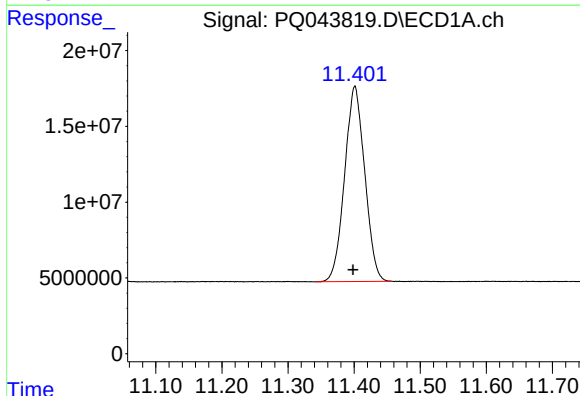
R.T.: 5.231 min  
Delta R.T.: 0.000 min  
Response: 48755287  
Conc: 25.99 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



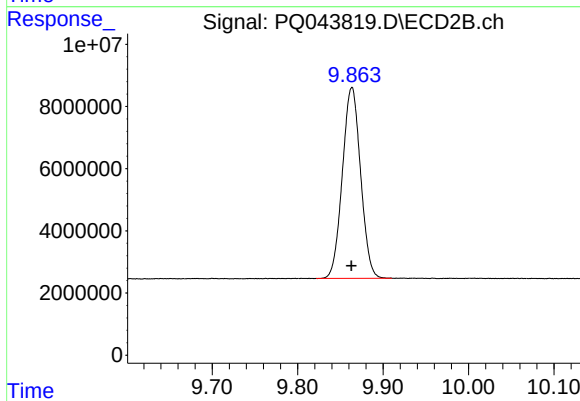
#1 Tetrachloro-m-xylene

R.T.: 4.408 min  
Delta R.T.: 0.000 min  
Response: 26564786  
Conc: 26.69 ng/ml



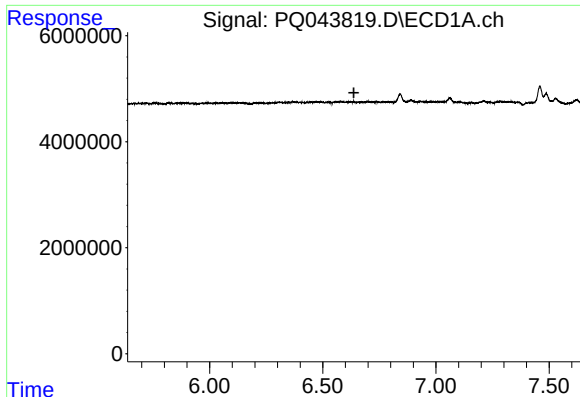
#2 Decachlorobiphenyl

R.T.: 11.401 min  
Delta R.T.: 0.002 min  
Response: 272231494  
Conc: 43.08 ng/ml



#2 Decachlorobiphenyl

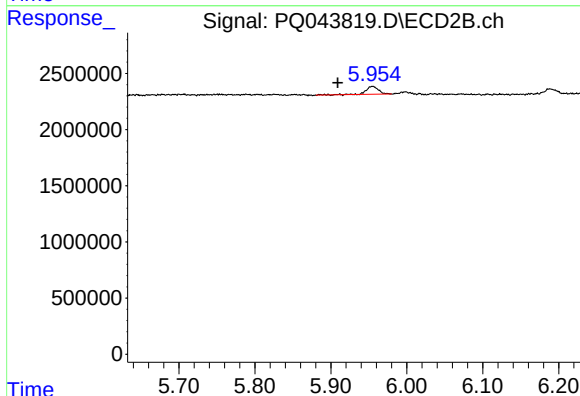
R.T.: 9.863 min  
Delta R.T.: 0.000 min  
Response: 90940055  
Conc: 43.19 ng/ml



#5 AR-1016-3

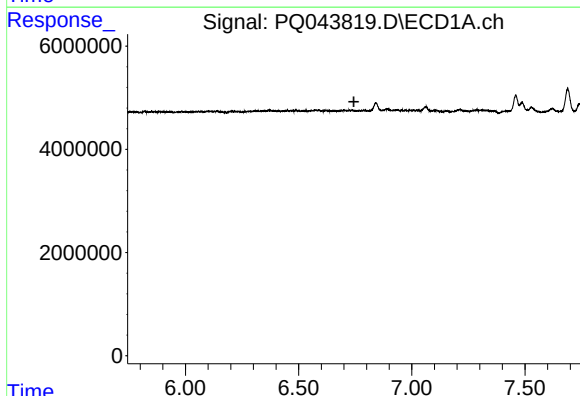
R.T.: 0.000 min  
Exp R.T.: 6.637 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



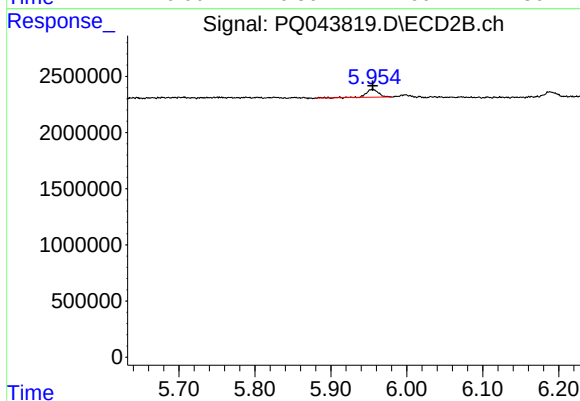
#5 AR-1016-3

R.T.: 5.955 min  
Delta R.T.: 0.046 min  
Response: 778793  
Conc: 29.26 ng/ml



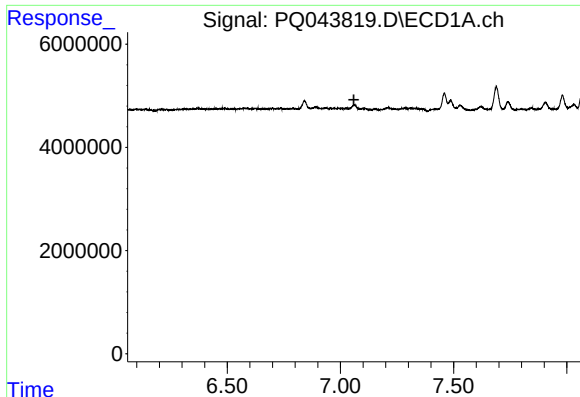
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 6.744 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

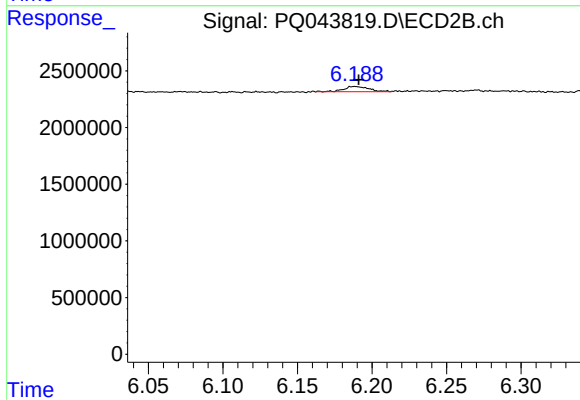
R.T.: 5.955 min  
Delta R.T.: 0.000 min  
Response: 778793  
Conc: 35.77 ng/ml



#7 AR-1016-5

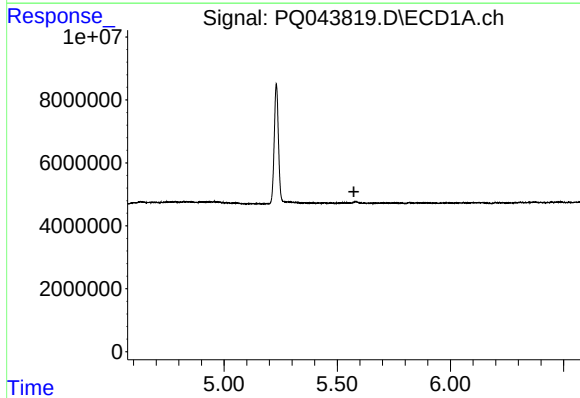
R.T.: 0.000 min  
Exp R.T.: 7.060 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



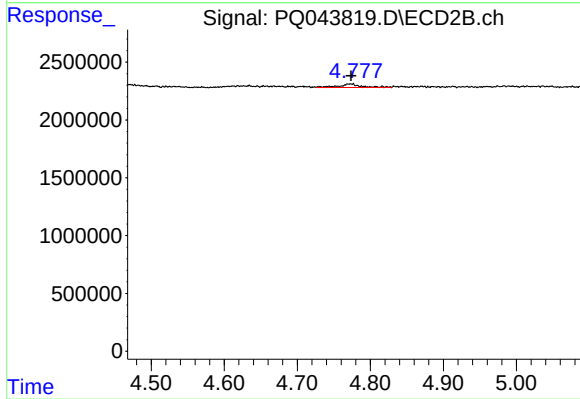
#7 AR-1016-5

R.T.: 6.189 min  
Delta R.T.: -0.002 min  
Response: 548240  
Conc: 19.42 ng/ml



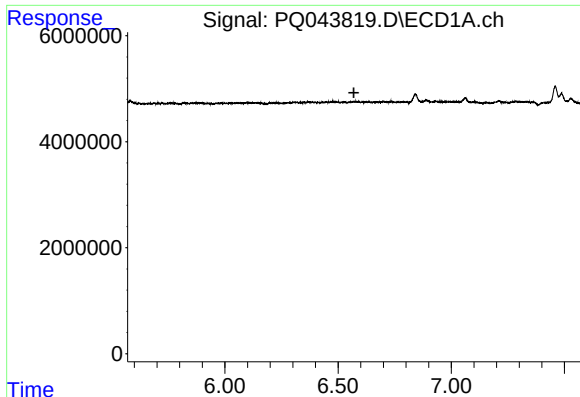
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T.: 5.573 min  
Response: 0  
Conc: N.D.



#9 AR-1221-2

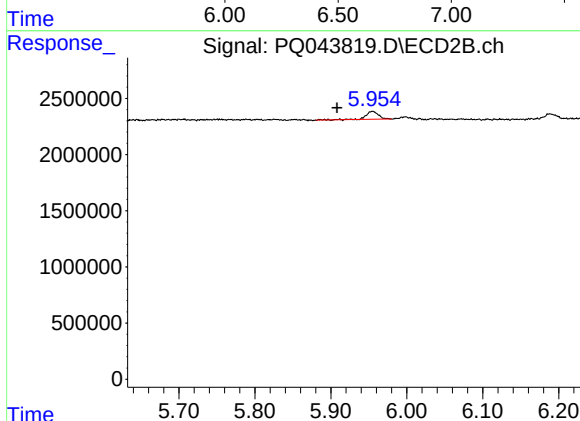
R.T.: 4.773 min  
Delta R.T.: -0.001 min  
Response: 649403  
Conc: 67.01 ng/ml



#13 AR-1232-3

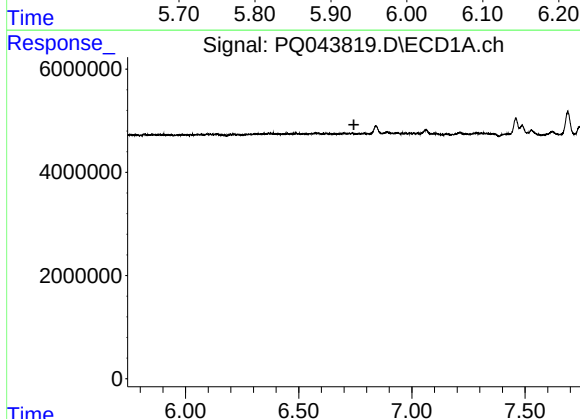
R.T.: 0.000 min  
Exp R.T.: 6.570 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



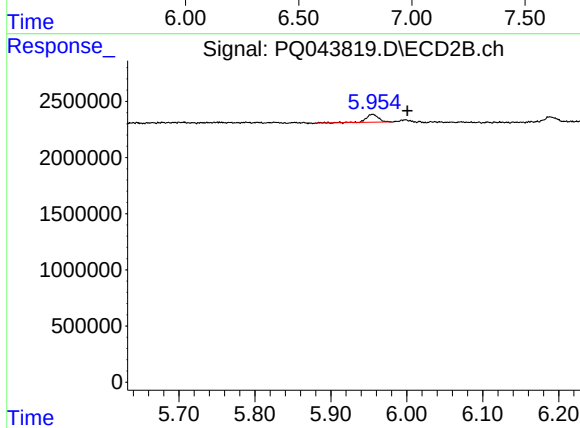
#13 AR-1232-3

R.T.: 5.955 min  
Delta R.T.: 0.047 min  
Response: 778793  
Conc: 60.93 ng/ml



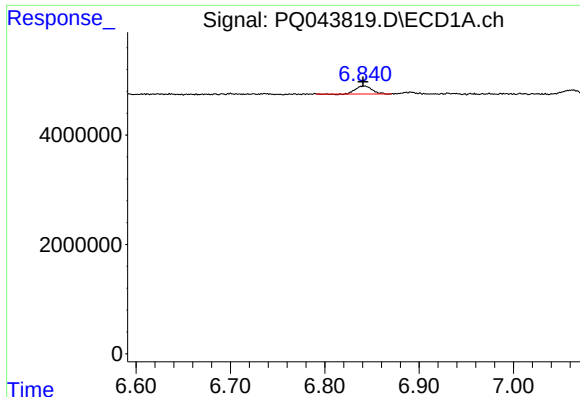
#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T.: 6.744 min  
Response: 0  
Conc: N.D.



#14 AR-1232-4

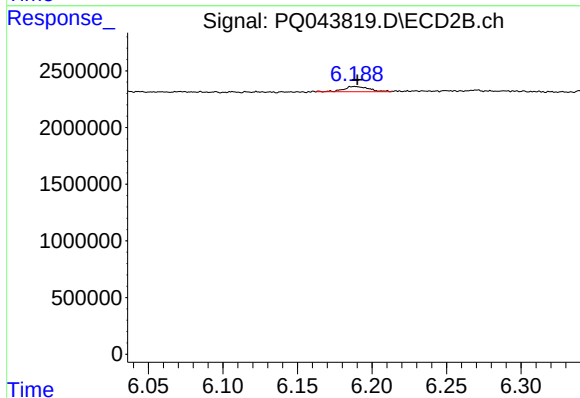
R.T.: 5.955 min  
Delta R.T.: -0.046 min  
Response: 778793  
Conc: 65.96 ng/ml



#15 AR-1232-5

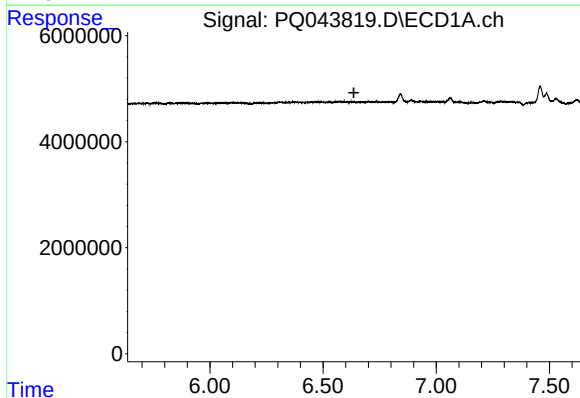
R.T.: 6.841 min  
Delta R.T.: 0.000 min  
Response: 1721894  
Conc: 79.41 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



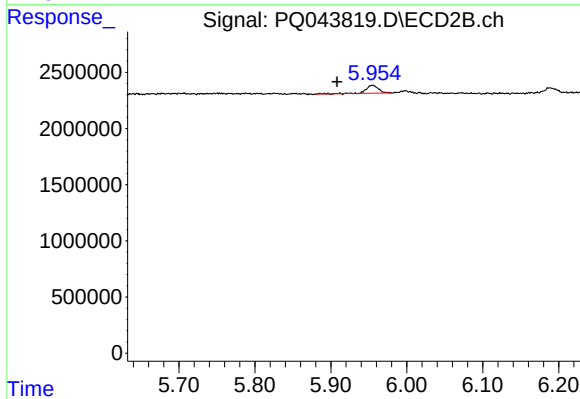
#15 AR-1232-5

R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 548240  
Conc: 43.13 ng/ml



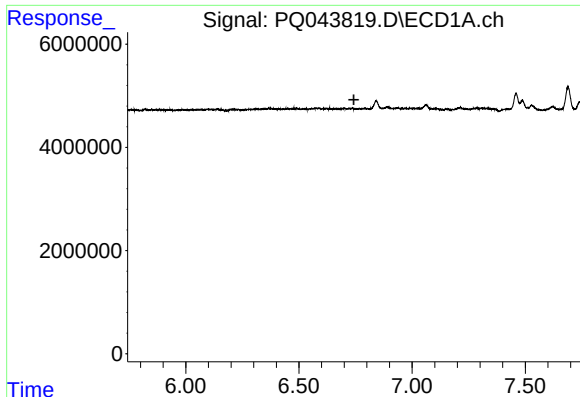
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T. : 6.636 min  
Response: 0  
Conc: N.D.



#18 AR-1242-3

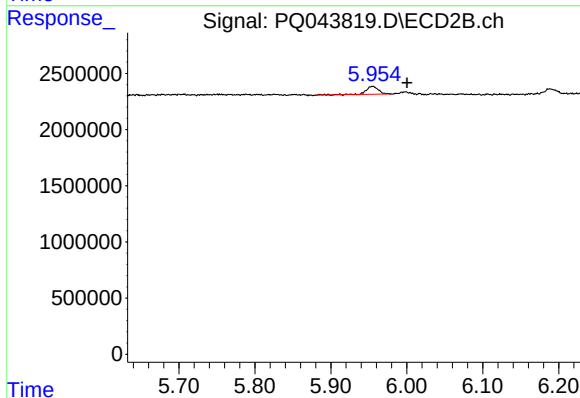
R.T.: 5.955 min  
Delta R.T.: 0.047 min  
Response: 778793  
Conc: 30.53 ng/ml



#19 AR-1242-4

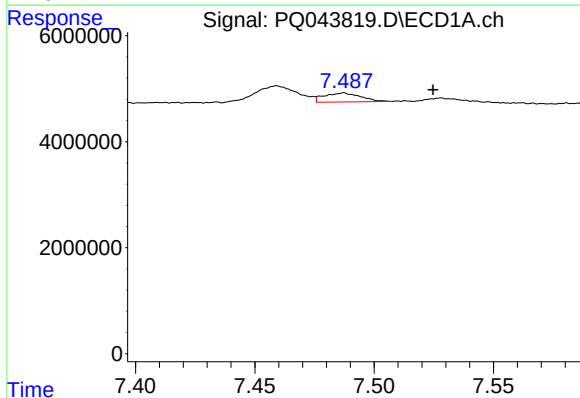
R.T.: 0.000 min  
Exp R.T.: 6.743 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



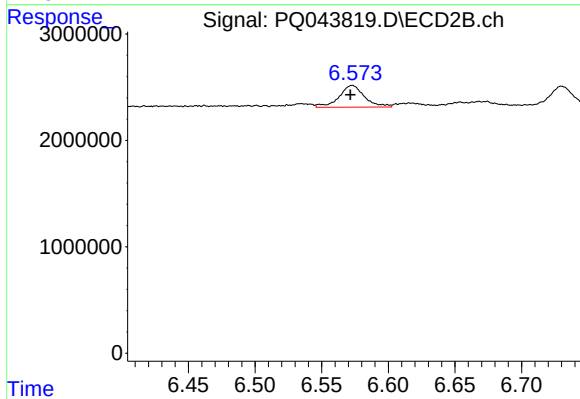
#19 AR-1242-4

R.T.: 5.955 min  
Delta R.T.: -0.045 min  
Response: 778793  
Conc: 30.24 ng/ml



#20 AR-1242-5

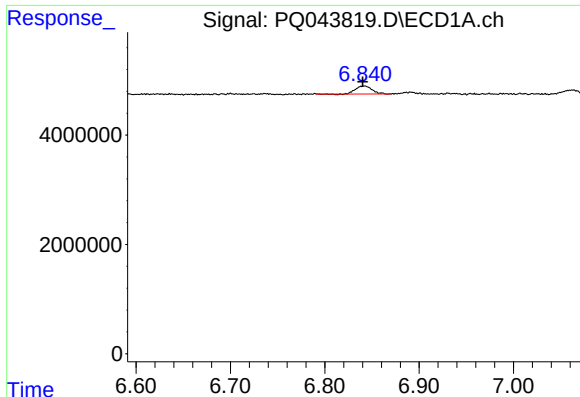
R.T.: 7.487 min  
Delta R.T.: -0.038 min  
Response: 1808135  
Conc: 23.62 ng/ml



#20 AR-1242-5

R.T.: 6.573 min  
Delta R.T.: 0.001 min  
Response: 2712050  
Conc: 78.13 ng/ml

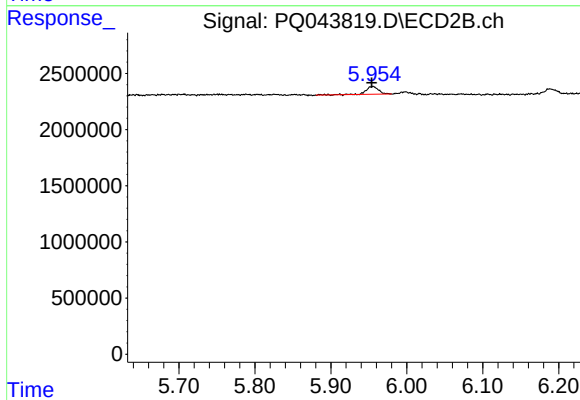




#22 AR-1248-2

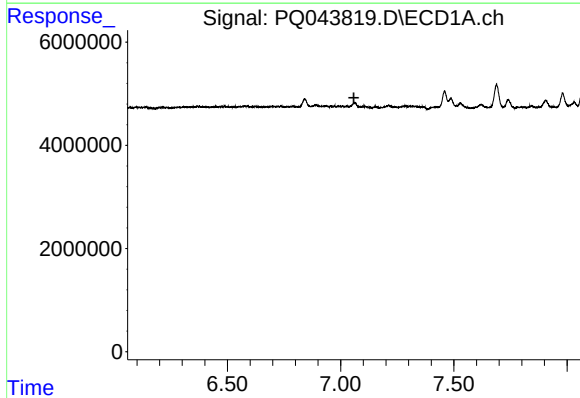
R.T.: 6.841 min  
Delta R.T.: 0.001 min  
Response: 1721894  
Conc: 18.07 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



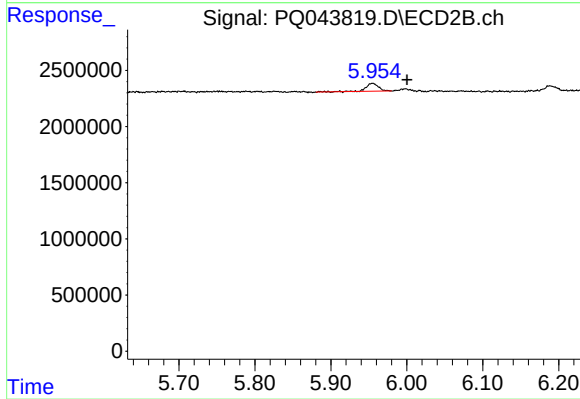
#22 AR-1248-2

R.T.: 5.955 min  
Delta R.T.: 0.001 min  
Response: 778793  
Conc: 19.79 ng/ml



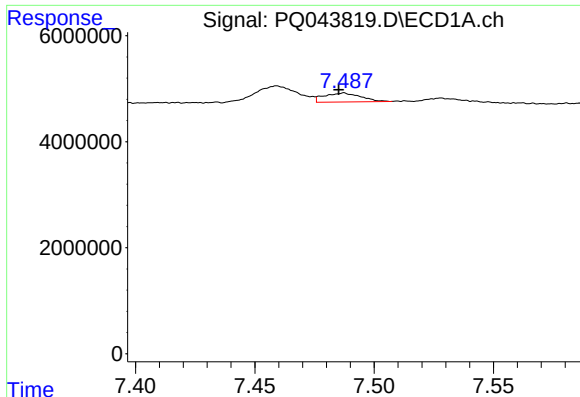
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T. : 7.058 min  
Response: 0  
Conc: N.D.



#23 AR-1248-3

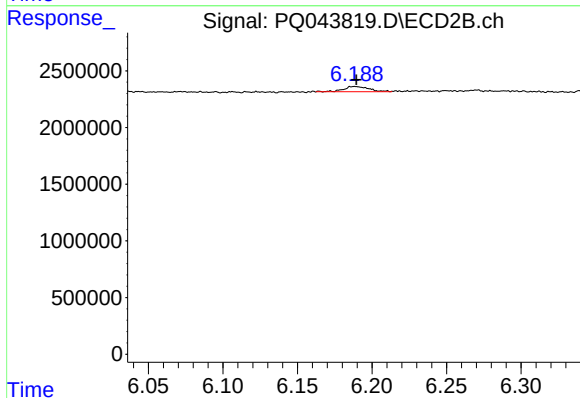
R.T.: 5.955 min  
Delta R.T.: -0.046 min  
Response: 778793  
Conc: 18.88 ng/ml



#24 AR-1248-4

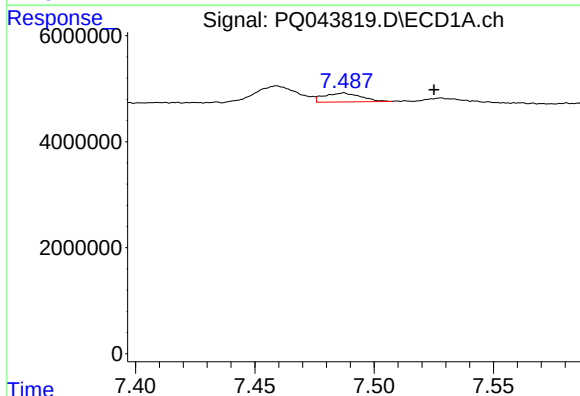
R.T.: 7.487 min  
Delta R.T.: 0.002 min  
Response: 1808135  
Conc: 12.94 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



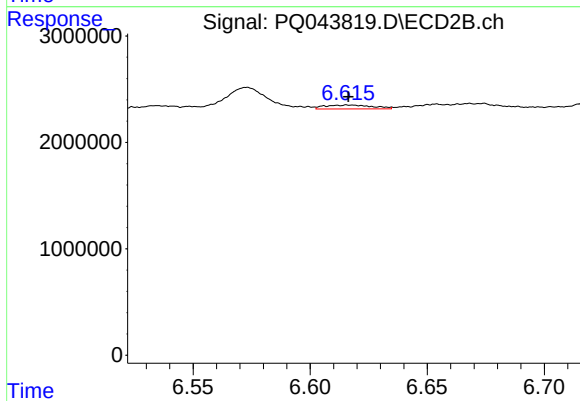
#24 AR-1248-4

R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 548240  
Conc: 11.00 ng/ml



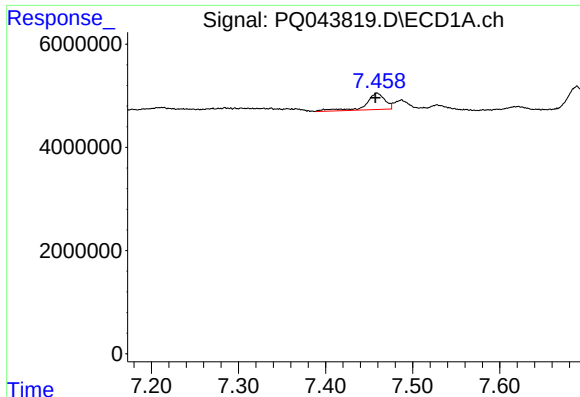
#25 AR-1248-5

R.T.: 7.487 min  
Delta R.T.: -0.038 min  
Response: 1808135  
Conc: 13.51 ng/ml



#25 AR-1248-5

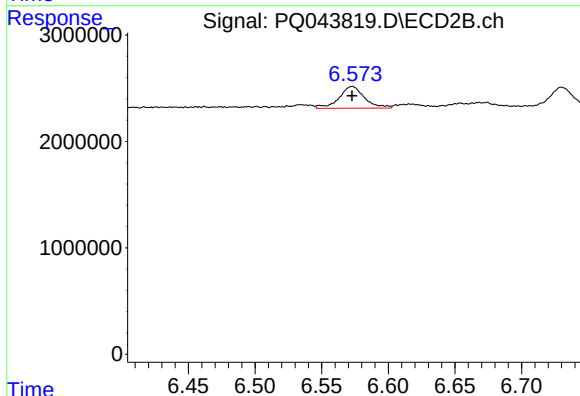
R.T.: 6.616 min  
Delta R.T.: 0.000 min  
Response: 519740  
Conc: 9.79 ng/ml



#26 AR-1254-1

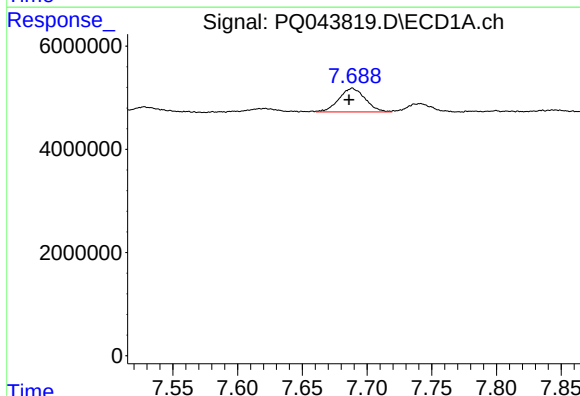
R.T.: 7.459 min  
Delta R.T.: 0.002 min  
Response: 4761137  
Conc: 35.23 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



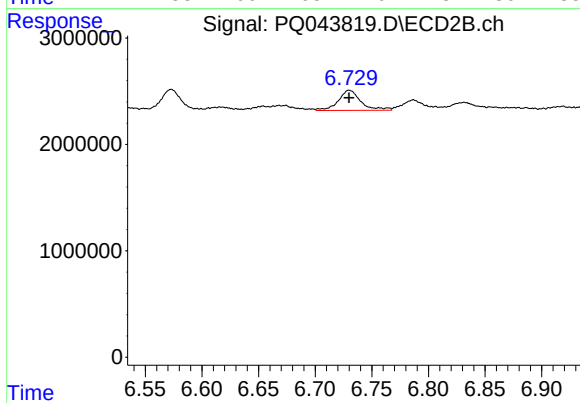
#26 AR-1254-1

R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 2712050  
Conc: 35.87 ng/ml



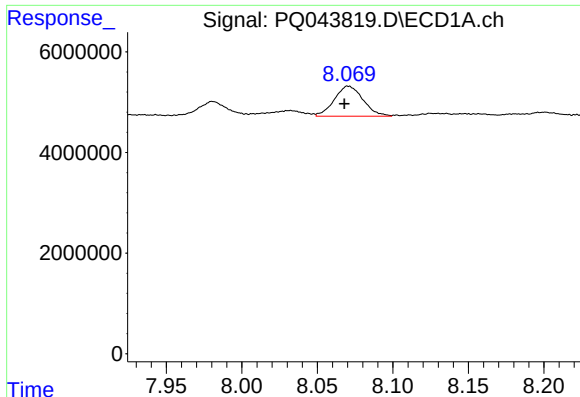
#27 AR-1254-2

R.T.: 7.689 min  
Delta R.T.: 0.003 min  
Response: 6451738  
Conc: 29.88 ng/ml



#27 AR-1254-2

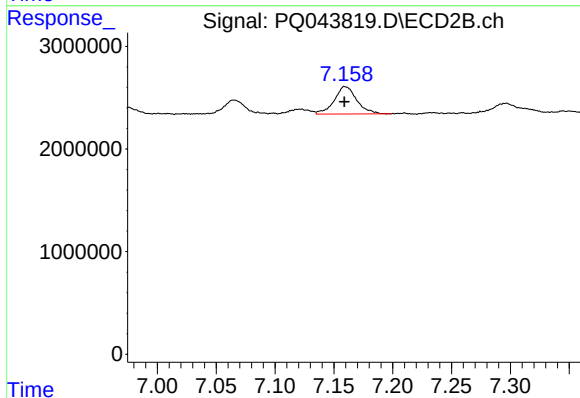
R.T.: 6.730 min  
Delta R.T.: 0.000 min  
Response: 2596008  
Conc: 37.13 ng/ml



#28 AR-1254-3

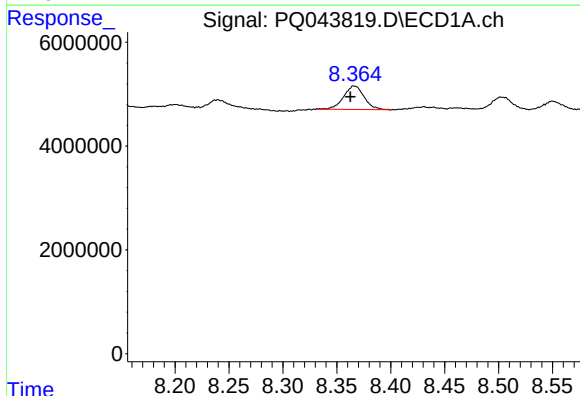
R.T.: 8.071 min  
Delta R.T.: 0.003 min  
Response: 7934576  
Conc: 31.22 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



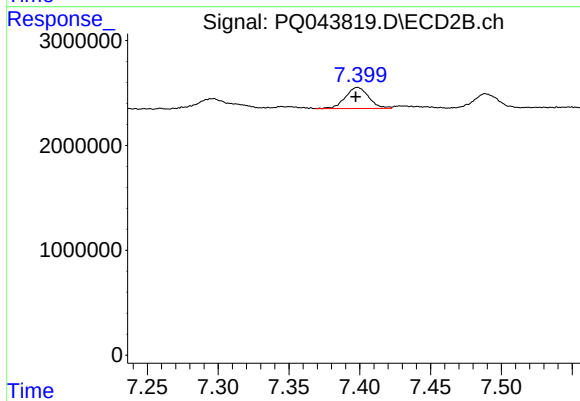
#28 AR-1254-3

R.T.: 7.160 min  
Delta R.T.: 0.001 min  
Response: 3560419  
Conc: 30.33 ng/ml



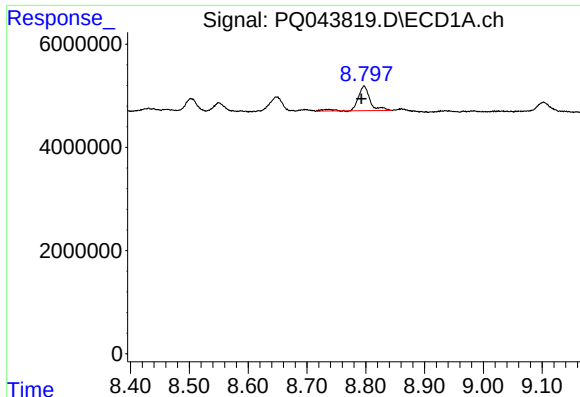
#29 AR-1254-4

R.T.: 8.366 min  
Delta R.T.: 0.004 min  
Response: 5985432  
Conc: 29.67 ng/ml



#29 AR-1254-4

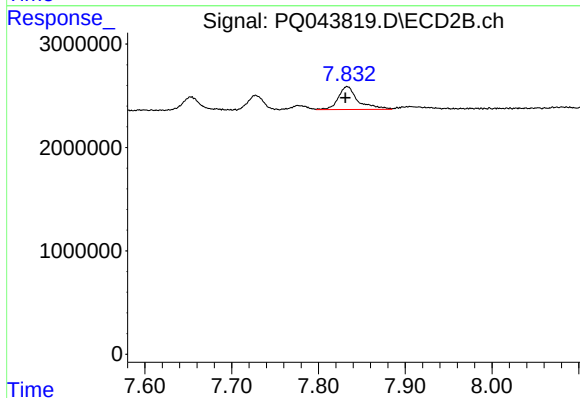
R.T.: 7.398 min  
Delta R.T.: 0.001 min  
Response: 2289683  
Conc: 28.68 ng/ml



#30 AR-1254-5

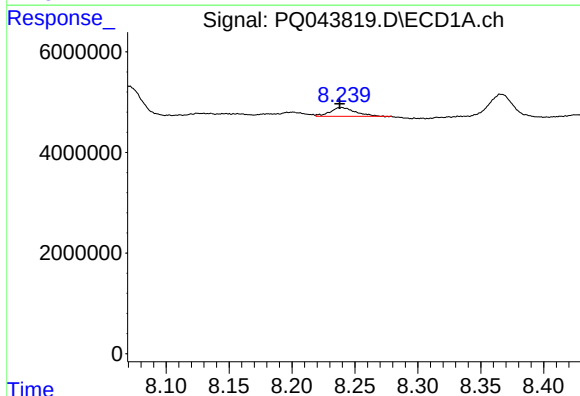
R.T.: 8.797 min  
Delta R.T.: 0.004 min  
Response: 6958625  
Conc: 26.25 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



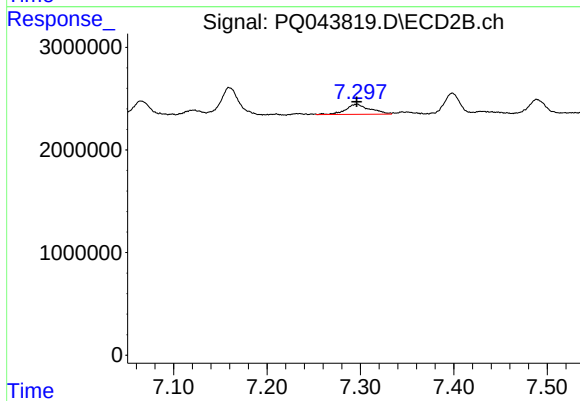
#30 AR-1254-5

R.T.: 7.833 min  
Delta R.T.: 0.002 min  
Response: 3535675  
Conc: 32.50 ng/ml



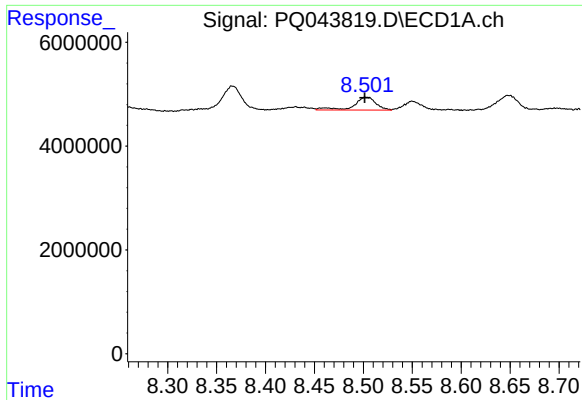
#31 AR-1260-1

R.T.: 8.240 min  
Delta R.T.: 0.002 min  
Response: 2382863  
Conc: 17.57 ng/ml



#31 AR-1260-1

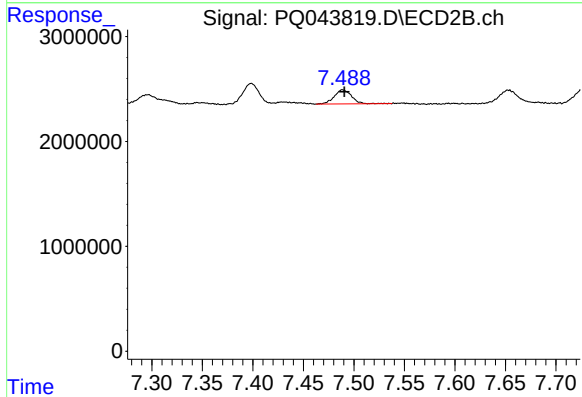
R.T.: 7.296 min  
Delta R.T.: 0.000 min  
Response: 1788856  
Conc: 30.65 ng/ml



#32 AR-1260-2

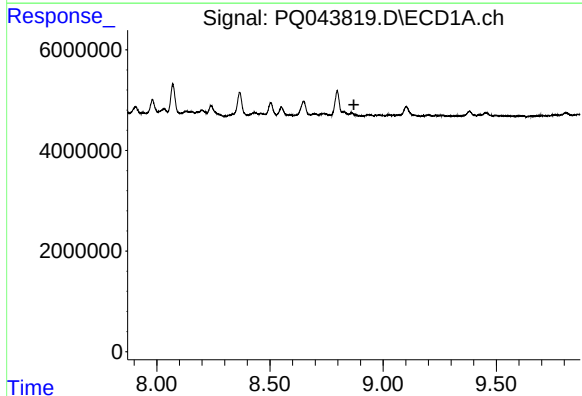
R.T.: 8.503 min  
Delta R.T.: 0.002 min  
Response: 3845475  
Conc: 21.52 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



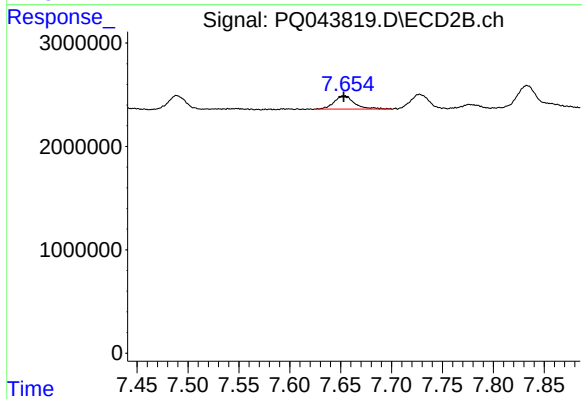
#32 AR-1260-2

R.T.: 7.489 min  
Delta R.T.: -0.001 min  
Response: 1620065  
Conc: 21.47 ng/ml



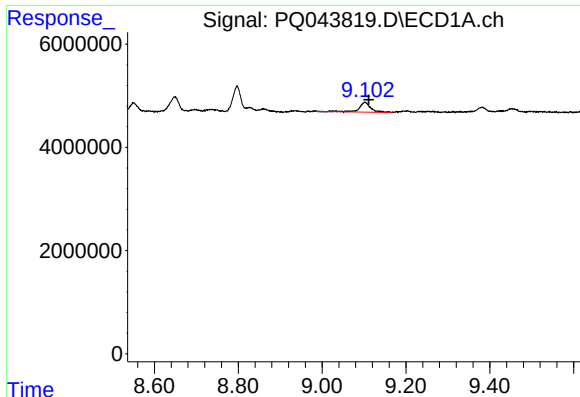
#33 AR-1260-3

R.T.: 0.000 min  
Exp R.T. : 8.871 min  
Response: 0  
Conc: N.D.



#33 AR-1260-3

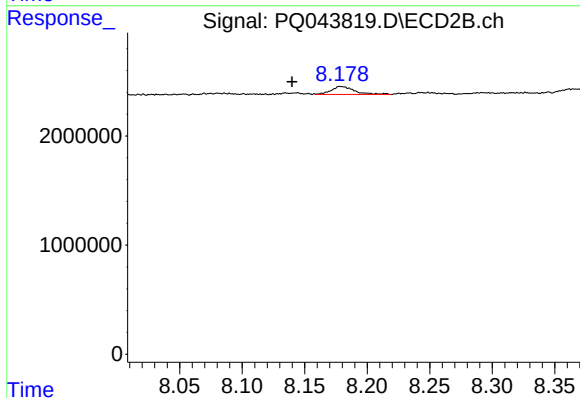
R.T.: 7.653 min  
Delta R.T.: 0.000 min  
Response: 1782371  
Conc: 25.88 ng/ml



#34 AR-1260-4

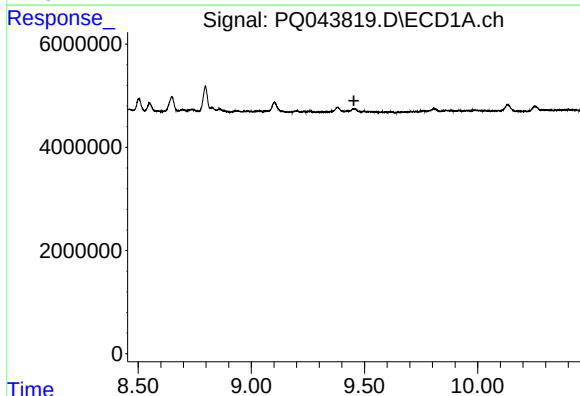
R.T.: 9.102 min  
Delta R.T.: -0.009 min  
Response: 3465576  
Conc: 18.79 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



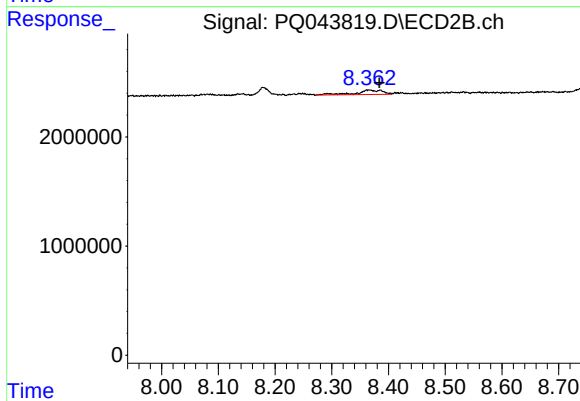
#34 AR-1260-4

R.T.: 8.180 min  
Delta R.T.: 0.040 min  
Response: 947275  
Conc: 15.92 ng/ml



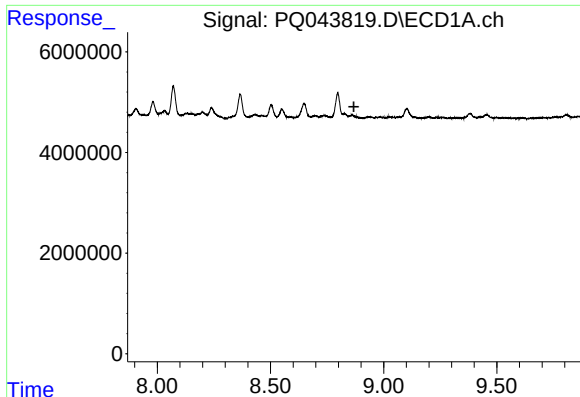
#35 AR-1260-5

R.T.: 0.000 min  
Exp R.T. : 9.453 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

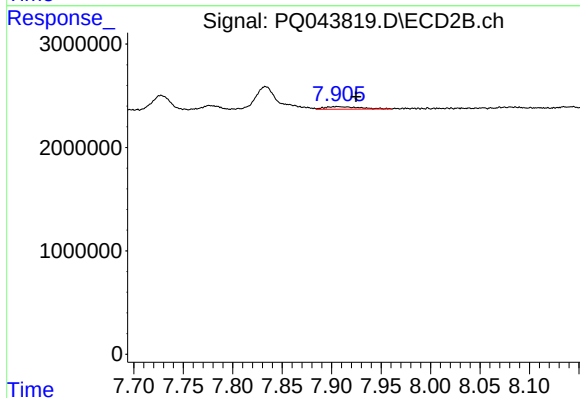
R.T.: 8.365 min  
Delta R.T.: -0.019 min  
Response: 1301575  
Conc: 8.50 ng/ml



#36 AR-1262-1

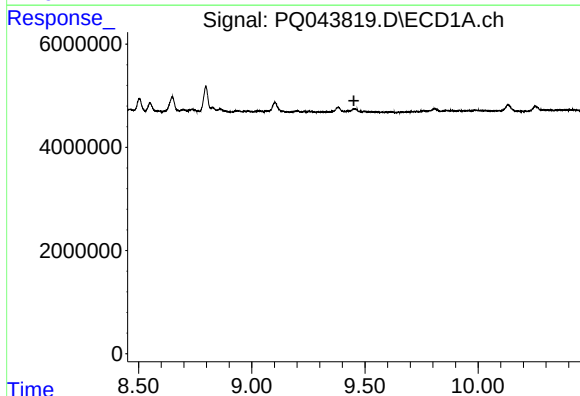
R.T.: 0.000 min  
Exp R.T. : 8.869 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



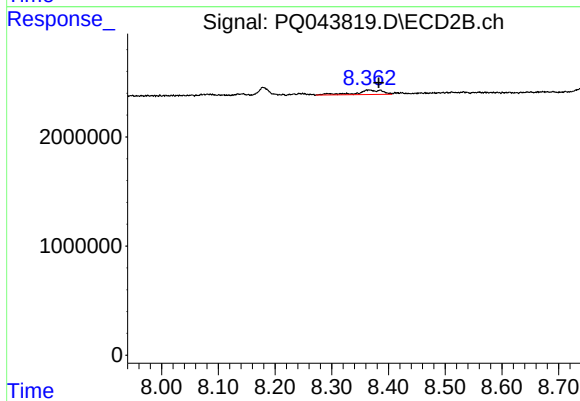
#36 AR-1262-1

R.T.: 7.906 min  
Delta R.T.: -0.019 min  
Response: 611979  
Conc: 13.56 ng/ml



#37 AR-1262-2

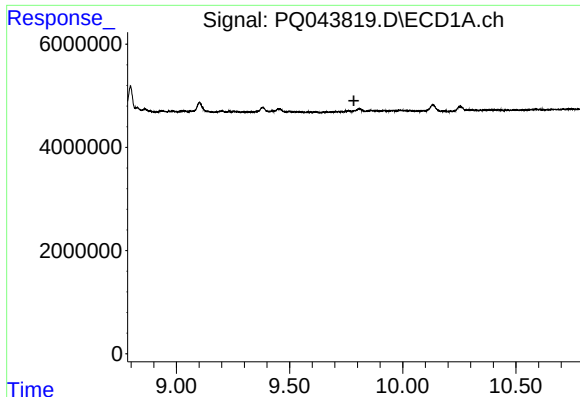
R.T.: 0.000 min  
Exp R.T. : 9.451 min  
Response: 0  
Conc: N.D.



#37 AR-1262-2

R.T.: 8.365 min  
Delta R.T.: -0.018 min  
Response: 1301575  
Conc: 6.21 ng/ml

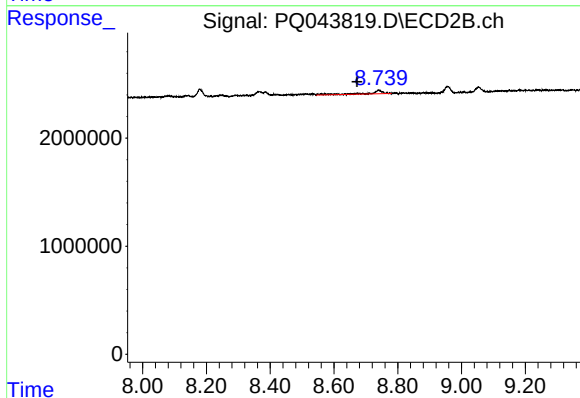




#38 AR-1262-3

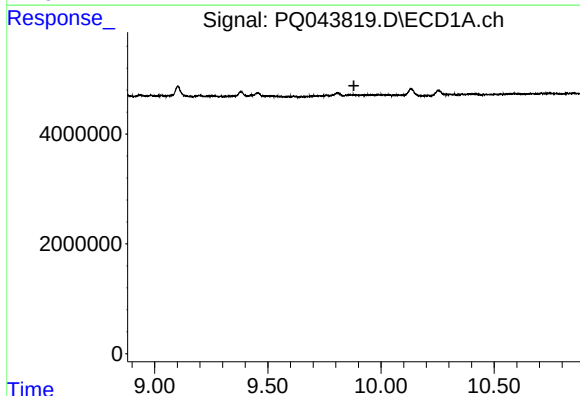
R.T.: 0.000 min  
Exp R.T. : 9.784 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



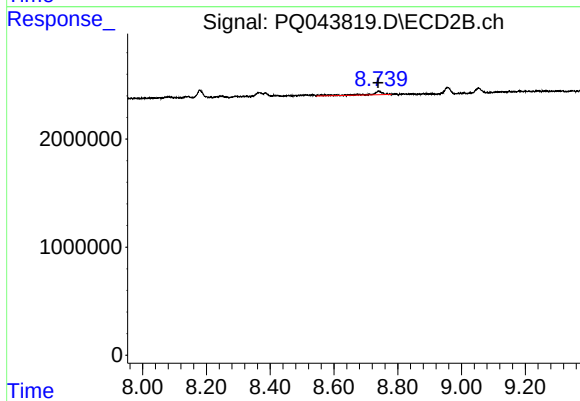
#38 AR-1262-3

R.T.: 8.741 min  
Delta R.T.: 0.068 min  
Response: 956725  
Conc: 10.77 ng/ml



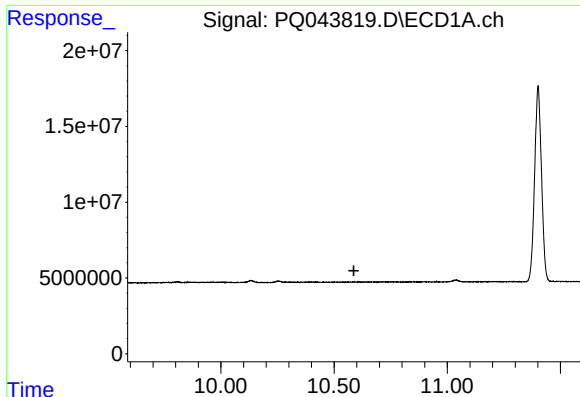
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T. : 9.880 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

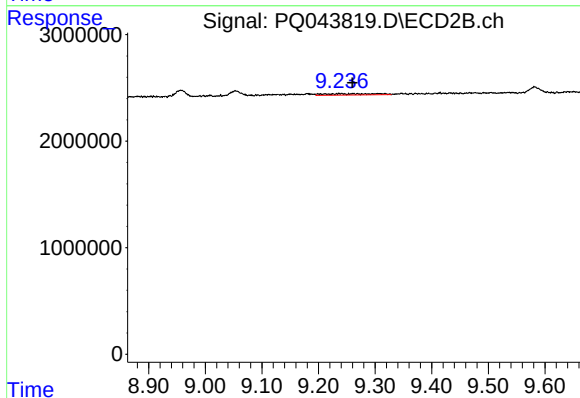
R.T.: 8.741 min  
Delta R.T.: 0.002 min  
Response: 956725  
Conc: 5.63 ng/ml



#40 AR-1262-5

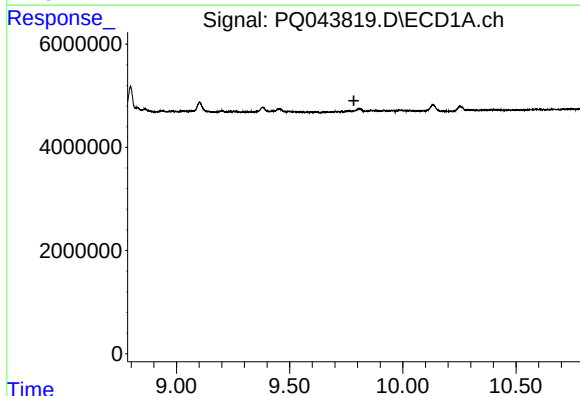
R.T.: 0.000 min  
Exp R.T.: 10.587 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



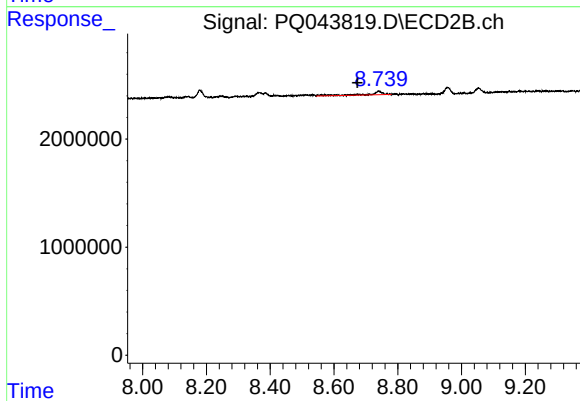
#40 AR-1262-5

R.T.: 9.240 min  
Delta R.T.: -0.020 min  
Response: 763954  
Conc: 7.48 ng/ml



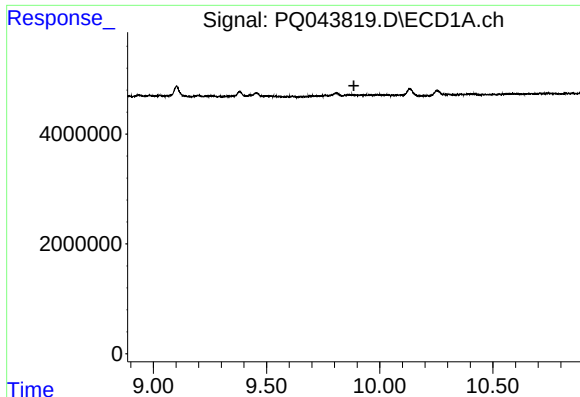
#41 AR-1268-1

R.T.: 0.000 min  
Exp R.T.: 9.784 min  
Response: 0  
Conc: N.D.



#41 AR-1268-1

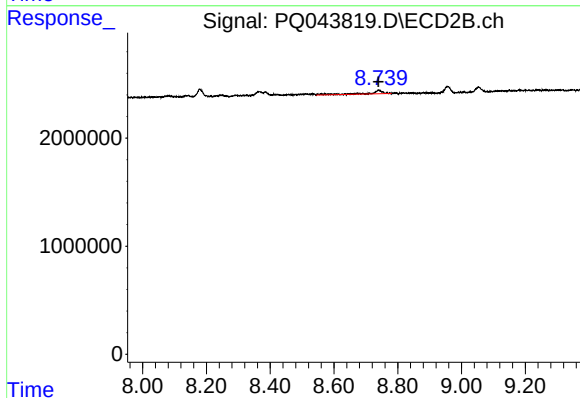
R.T.: 8.741 min  
Delta R.T.: 0.067 min  
Response: 956725  
Conc: 3.69 ng/ml



#42 AR-1268-2

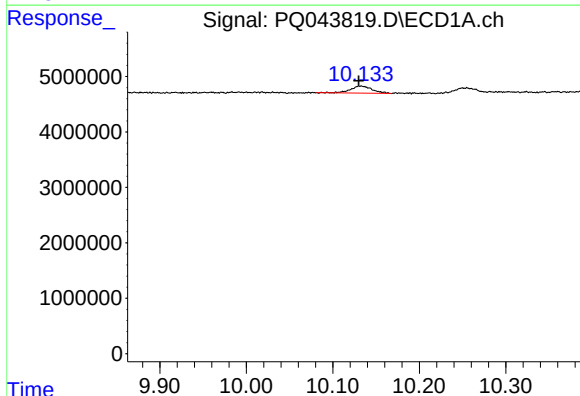
R.T.: 0.000 min  
Exp R.T.: 9.886 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



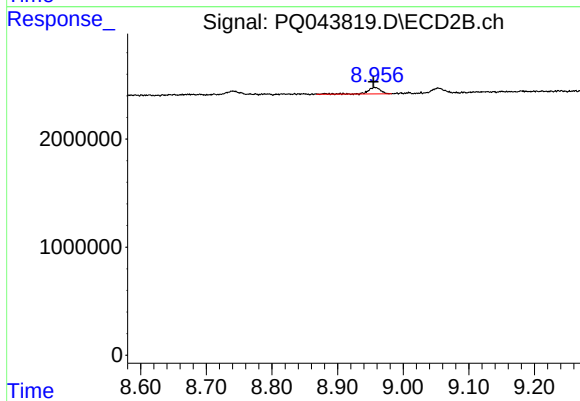
#42 AR-1268-2

R.T.: 8.741 min  
Delta R.T.: 0.001 min  
Response: 956725  
Conc: 3.92 ng/ml



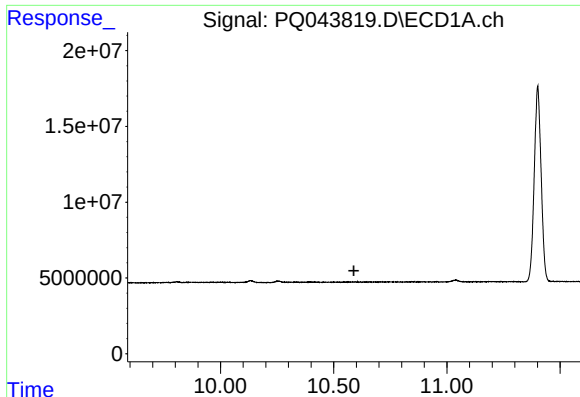
#43 AR-1268-3

R.T.: 10.133 min  
Delta R.T.: 0.003 min  
Response: 2207960  
Conc: 3.58 ng/ml



#43 AR-1268-3

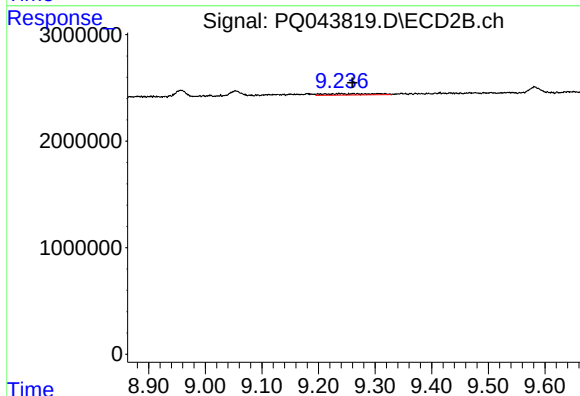
R.T.: 8.957 min  
Delta R.T.: 0.002 min  
Response: 791605  
Conc: 3.72 ng/ml



#44 AR-1268-4

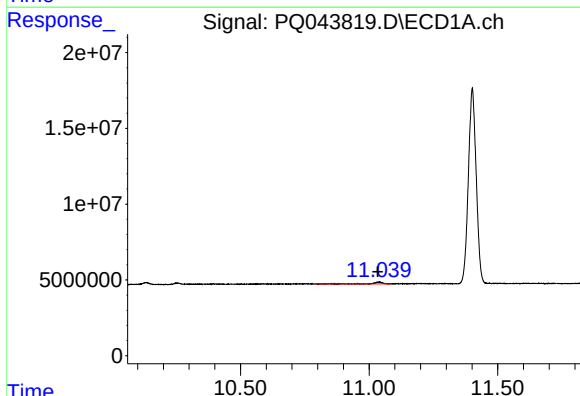
R.T.: 0.000 min  
Exp R.T.: 10.589 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
MDL-AR1254-S-5



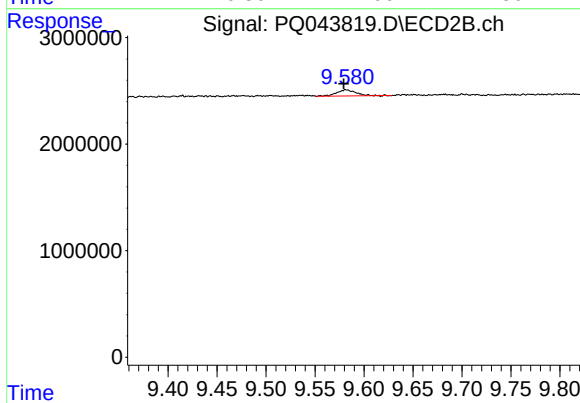
#44 AR-1268-4

R.T.: 9.240 min  
Delta R.T.: -0.020 min  
Response: 763954  
Conc: 6.54 ng/ml



#45 AR-1268-5

R.T.: 11.037 min  
Delta R.T.: 0.004 min  
Response: 3018648  
Conc: 1.19 ng/ml



#45 AR-1268-5

R.T.: 9.582 min  
Delta R.T.: 0.003 min  
Response: 800688  
Conc: 0.90 ng/ml