

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ101518\  
 Data File : PQ033193.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Oct 2018 05:39  
 Operator : SM\SJ  
 Sample : MDL-AR1268-S-5  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 16 06:59:36 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ100918CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Oct 10 08:14:42 2018  
 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... | 4.571  | 3.852 | 43454310 | 32676044 | 21.182 | 21.009   |
| 2)                          | SA Decachlor... | 10.404 | 8.903 | 74966039 | 64940302 | 39.658 | 40.397   |
| Target Compounds            |                 |        |       |          |          |        |          |
| 3)                          | L1 AR-1016-1    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.615 #  |
| 4)                          | L1 AR-1016-2    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.442 #  |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.188 | 0        | 91026    | N.D.   | 2.194 #  |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.192 | 0        | 47320    | N.D.   | 1.381 #  |
| 7)                          | L1 AR-1016-5    | 0.000  | 5.369 | 0        | 16376    | N.D.   | 0.358 #  |
| 8)                          | L2 AR-1221-1    | 0.000  | 4.071 | 0        | 23937    | N.D.   | 1.295 #  |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.158 | 0        | 402060   | N.D.   | 30.397 # |
| 12)                         | L3 AR-1232-2    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.936 #  |
| 13)                         | L3 AR-1232-3    | 0.000  | 5.188 | 0        | 91026    | N.D.   | 4.648 #  |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.220 | 0        | 27416    | N.D.   | 1.597 #  |
| 15)                         | L3 AR-1232-5    | 0.000  | 5.369 | 0        | 16376    | N.D.   | 0.840 #  |
| 16)                         | L4 AR-1242-1    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.723 #  |
| 17)                         | L4 AR-1242-2    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.521 #  |
| 18)                         | L4 AR-1242-3    | 0.000  | 5.188 | 0        | 91026    | N.D.   | 2.485 #  |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.220 | 0        | 27416    | N.D.   | 0.744 #  |
| 21)                         | L5 AR-1248-1    | 0.000  | 4.948 | 0        | 35186    | N.D.   | 0.859 #  |
| 22)                         | L5 AR-1248-2    | 0.000  | 5.192 | 0        | 47320    | N.D.   | 0.861 #  |
| 23)                         | L5 AR-1248-3    | 0.000  | 5.220 | 0        | 27416    | N.D.   | 0.490 #  |
| 24)                         | L5 AR-1248-4    | 0.000  | 5.369 | 0        | 16376    | N.D.   | 0.237 #  |
| 28)                         | L6 AR-1254-3    | 0.000  | 6.348 | 0        | 57233    | N.D.   | 0.344 #  |
| 30)                         | L6 AR-1254-5    | 7.969  | 6.981 | 1428849  | 1291372  | 10.794 | 8.792    |
| 31)                         | L7 AR-1260-1    | 0.000  | 6.422 | 0        | 109946   | N.D.   | 1.171 #  |
| 32)                         | L7 AR-1260-2    | 0.000  | 6.611 | 0        | 44424    | N.D.   | 0.381 #  |
| 33)                         | L7 AR-1260-3    | 7.969  | 0.000 | 1428849  | 0        | 18.344 | N.D. #   |
| 34)                         | L7 AR-1260-4    | 8.221  | 7.237 | 1722099  | 1815032  | 17.012 | 23.612 # |
| 35)                         | L7 AR-1260-5    | 0.000  | 7.503 | 0        | 134317   | N.D.   | 0.699 #  |
| 36)                         | L8 AR-1262-1    | 7.969  | 6.981 | 1428849  | 1291372  | 10.601 | 10.049   |
| 37)                         | L8 AR-1262-2    | 0.000  | 7.503 | 0        | 134317   | N.D.   | 0.561 #  |
| 38)                         | L8 AR-1262-3    | 8.850  | 7.764 | 7908226  | 7551244  | 47.810 | 81.067 # |
| 39)                         | L8 AR-1262-4    | 8.949  | 7.829 | 6746111  | 6640504  | 98.987 | 38.143 # |
| 40)                         | L8 AR-1262-5    | 9.628  | 8.333 | 1191593  | 2110487  | 13.620 | 26.154 # |
| 41)                         | L9 AR-1268-1    | 8.850  | 7.764 | 7908226  | 7551244  | 21.565 | 22.087   |
| 42)                         | L9 AR-1268-2    | 8.949  | 7.829 | 6746111  | 6640504  | 20.241 | 21.489   |
| 43)                         | L9 AR-1268-3    | 9.181  | 8.063 | 5874003  | 51048    | 20.843 | 0.200 #  |
| 44)                         | L9 AR-1268-4    | 9.628  | 8.333 | 1191593  | 2110487  | 9.863  | 19.133 # |
| 45)                         | L9 AR-1268-5    | 10.057 | 8.637 | 19334730 | 17089030 | 20.911 | 20.431   |
| -----                       |                 |        |       |          |          |        |          |

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

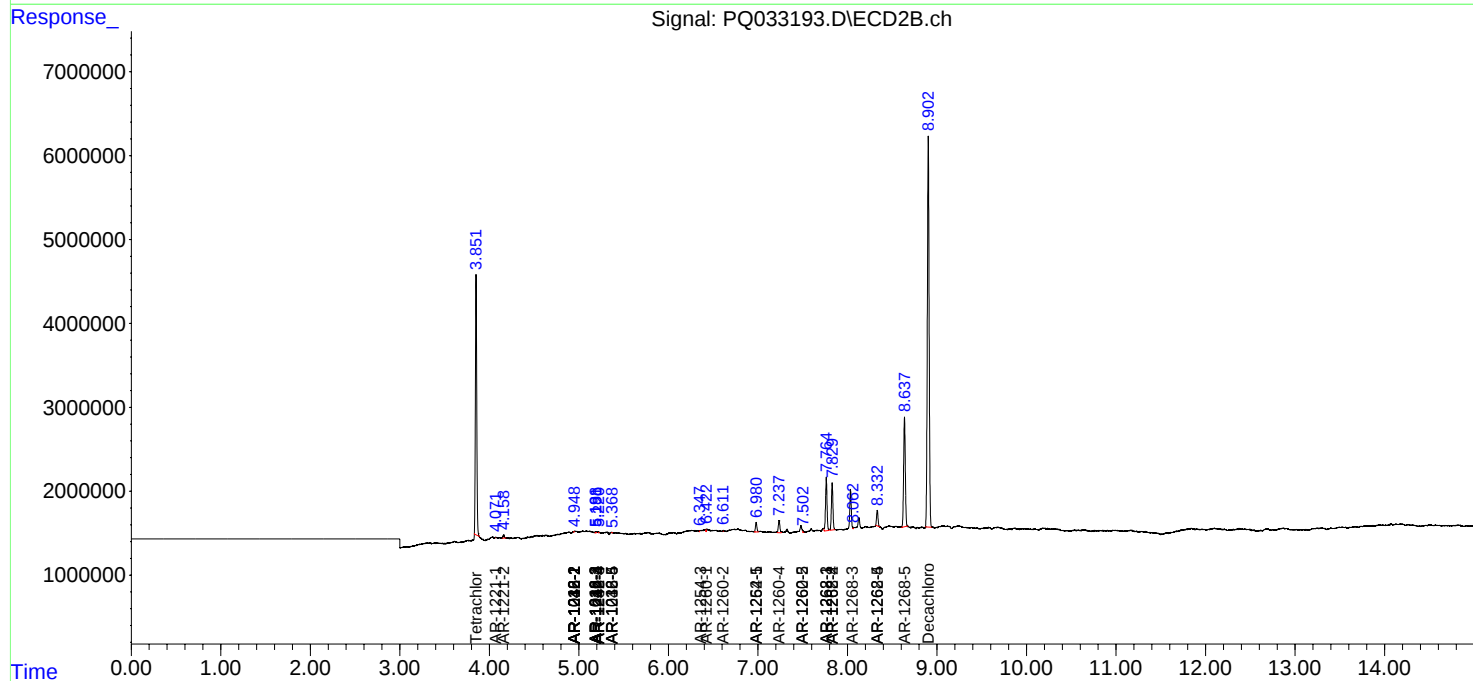
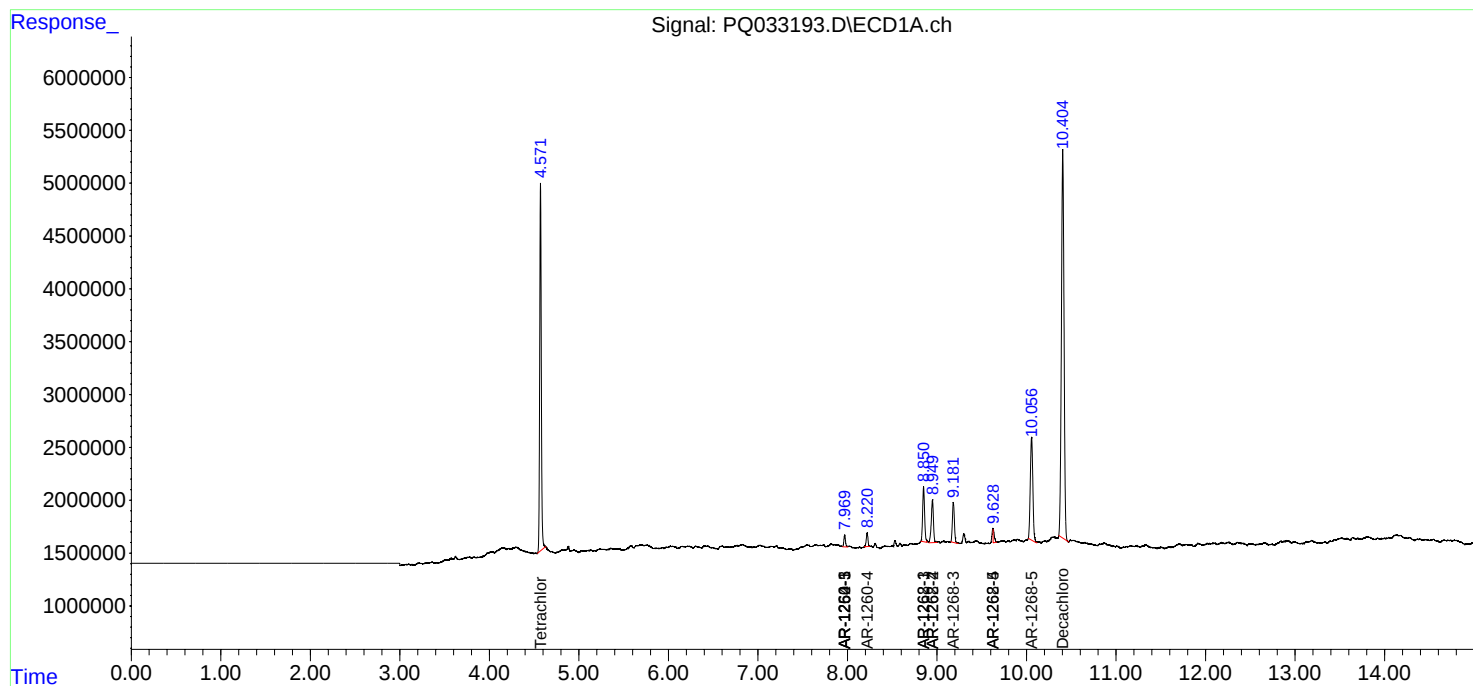
Instrument :  
ECD\_Q  
ClientSampleId :

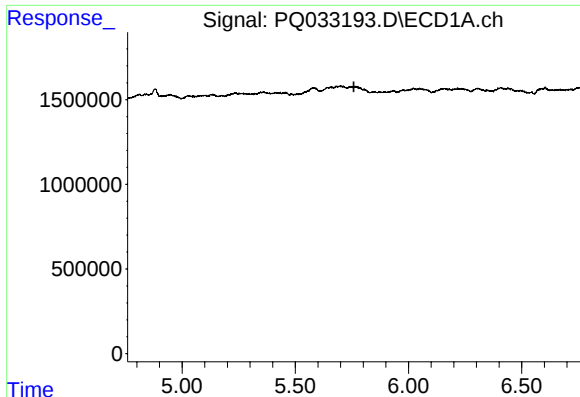
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ101518\  
Data File : PQ033193.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Oct 2018 05:39  
Operator : SM\SJ  
Sample : MDL-AR1268-S-5  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 16 06:59:36 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ100918CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Oct 10 08:14:42 2018  
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

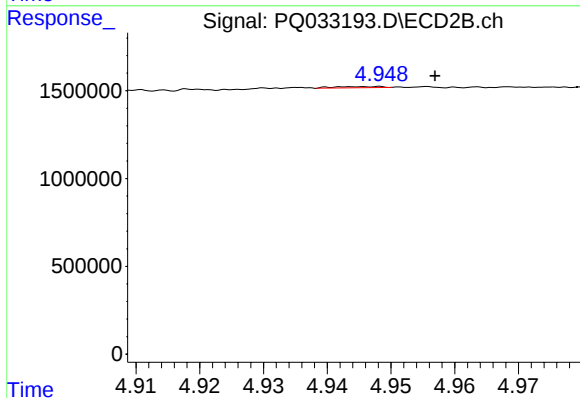




#3 AR-1016-1

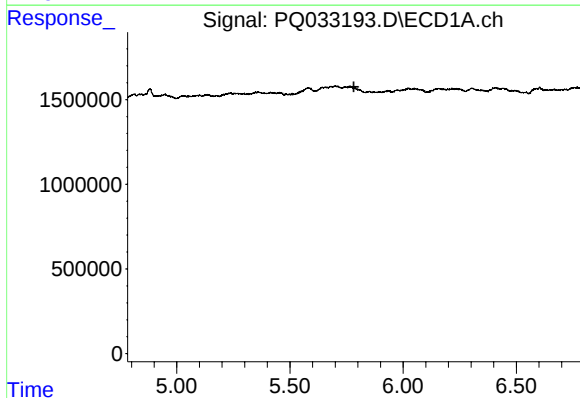
R.T.: 0.000 min  
Exp R.T.: 5.759 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



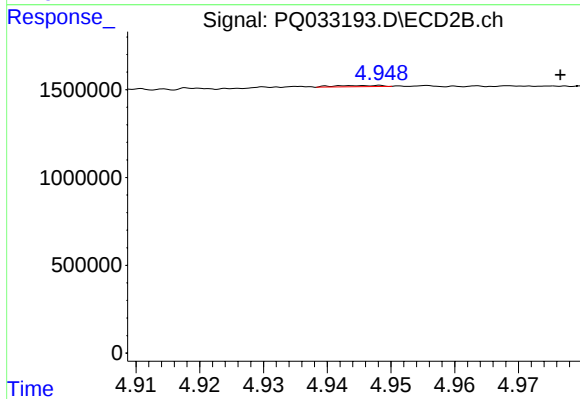
#3 AR-1016-1

R.T.: 4.948 min  
Delta R.T.: -0.009 min  
Response: 35186  
Conc: 0.61 ng/ml



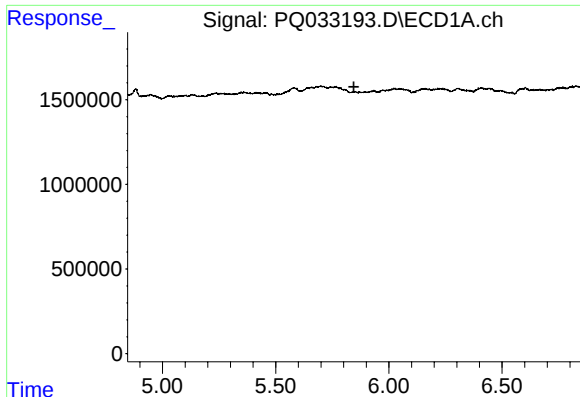
#4 AR-1016-2

R.T.: 0.000 min  
Exp R.T.: 5.782 min  
Response: 0  
Conc: N.D.



#4 AR-1016-2

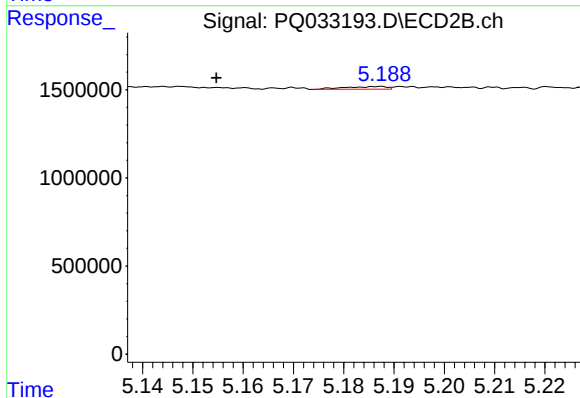
R.T.: 4.948 min  
Delta R.T.: -0.028 min  
Response: 35186  
Conc: 0.44 ng/ml



#5 AR-1016-3

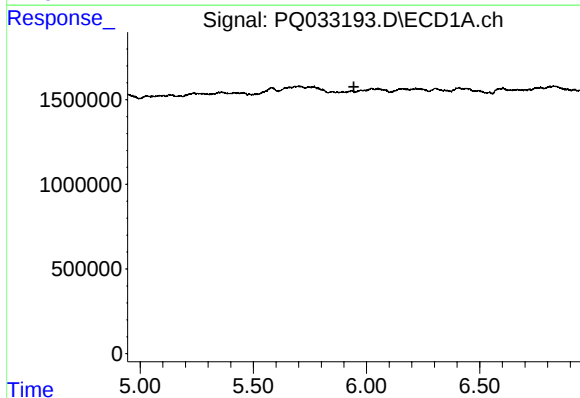
R.T.: 0.000 min  
Exp R.T.: 5.845 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



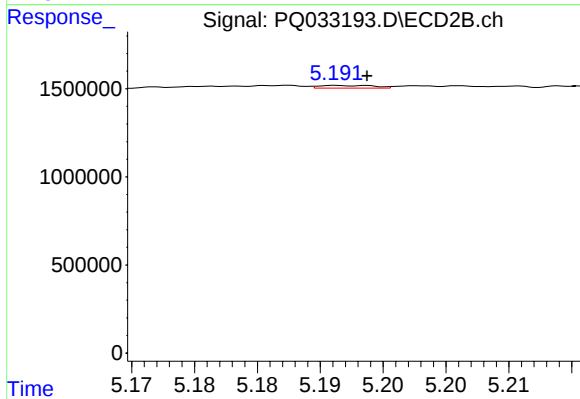
#5 AR-1016-3

R.T.: 5.188 min  
Delta R.T.: 0.033 min  
Response: 91026  
Conc: 2.19 ng/ml



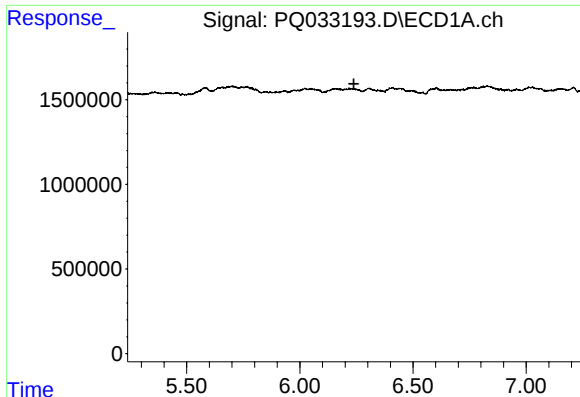
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 5.944 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

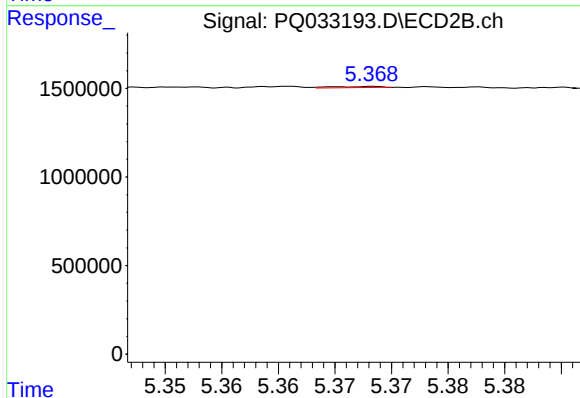
R.T.: 5.192 min  
Delta R.T.: -0.002 min  
Response: 47320  
Conc: 1.38 ng/ml



#7 AR-1016-5

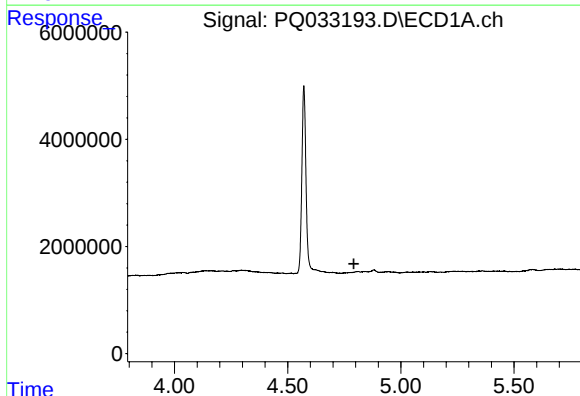
R.T.: 0.000 min  
Exp R.T. : 6.238 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



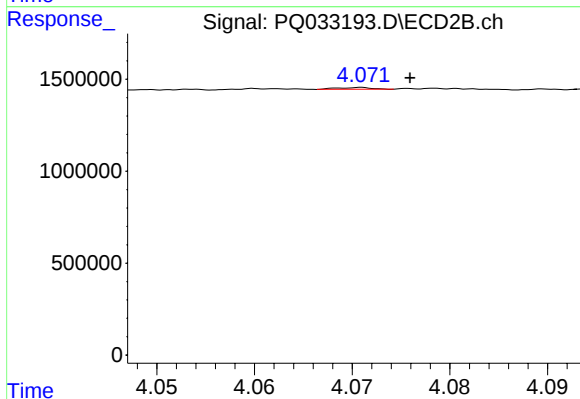
#7 AR-1016-5

R.T.: 5.369 min  
Delta R.T.: -0.042 min  
Response: 16376  
Conc: 0.36 ng/ml



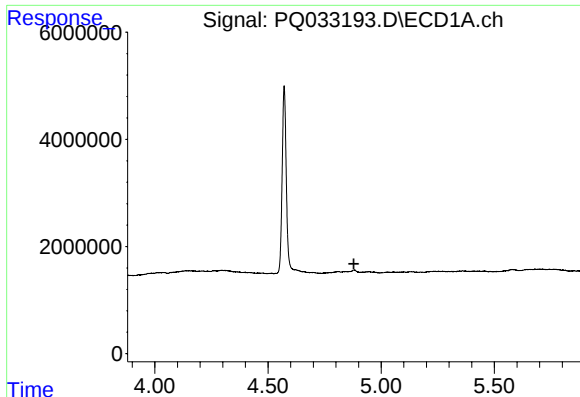
#8 AR-1221-1

R.T.: 0.000 min  
Exp R.T. : 4.792 min  
Response: 0  
Conc: N.D.



#8 AR-1221-1

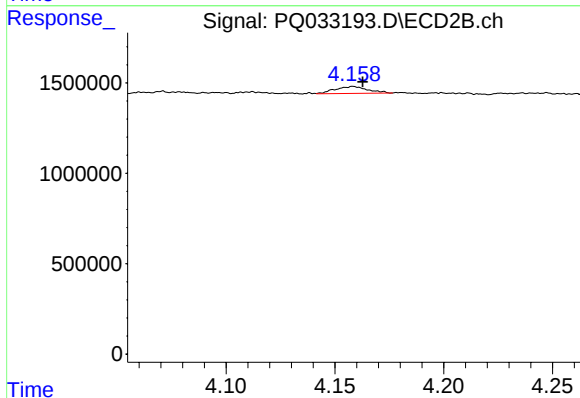
R.T.: 4.071 min  
Delta R.T.: -0.005 min  
Response: 23937  
Conc: 1.30 ng/ml



#9 AR-1221-2

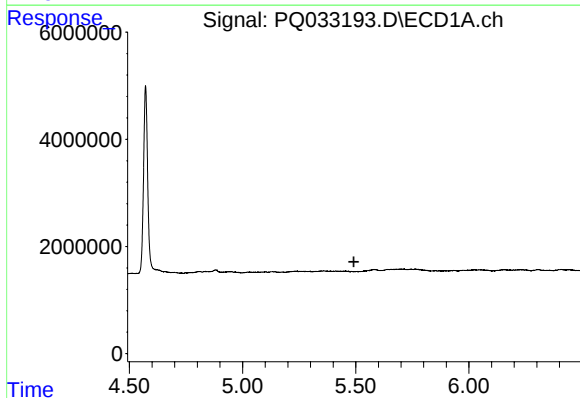
R.T.: 0.000 min  
Exp R.T.: 4.879 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



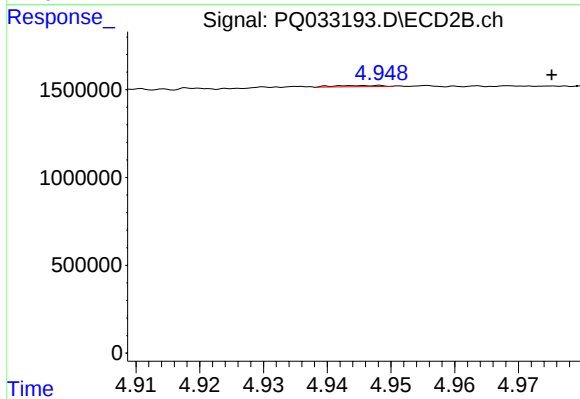
#9 AR-1221-2

R.T.: 4.158 min  
Delta R.T.: -0.004 min  
Response: 402060  
Conc: 30.40 ng/ml



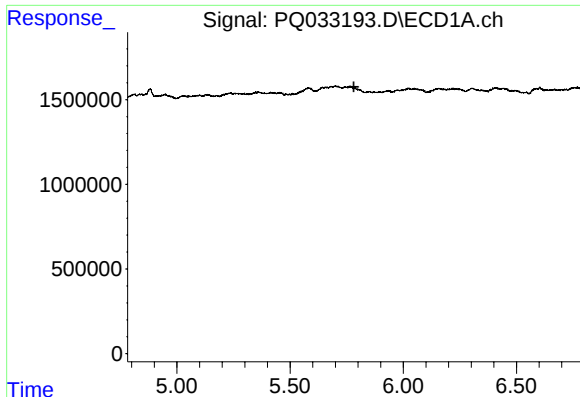
#12 AR-1232-2

R.T.: 0.000 min  
Exp R.T.: 5.491 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

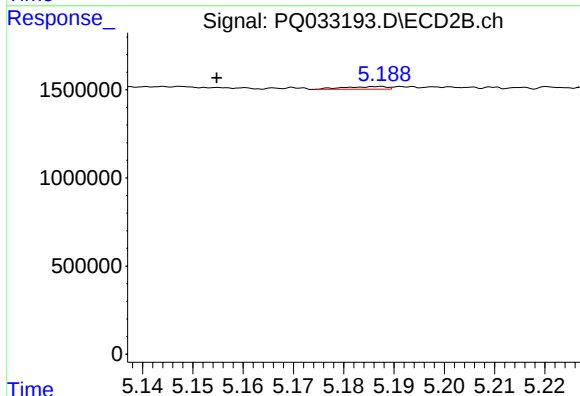
R.T.: 4.948 min  
Delta R.T.: -0.027 min  
Response: 35186  
Conc: 0.94 ng/ml



#13 AR-1232-3

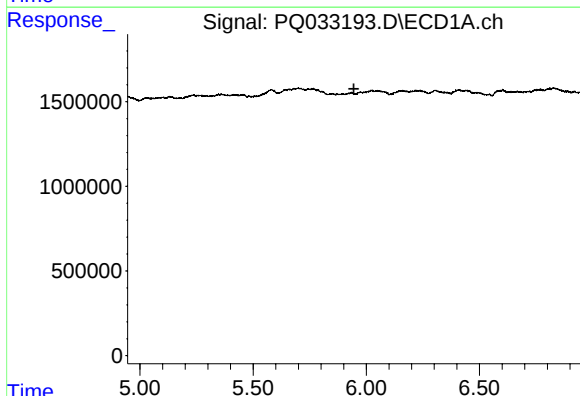
R.T.: 0.000 min  
Exp R.T.: 5.782 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



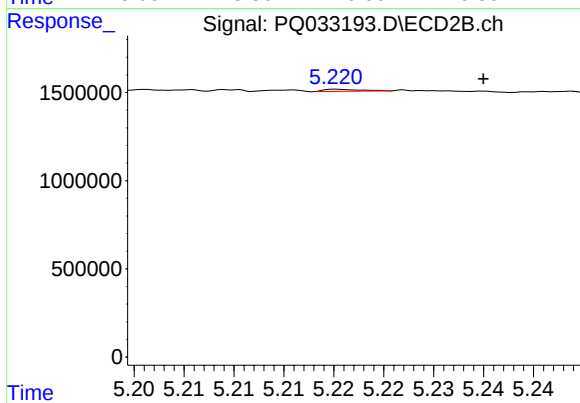
#13 AR-1232-3

R.T.: 5.188 min  
Delta R.T.: 0.033 min  
Response: 91026  
Conc: 4.65 ng/ml



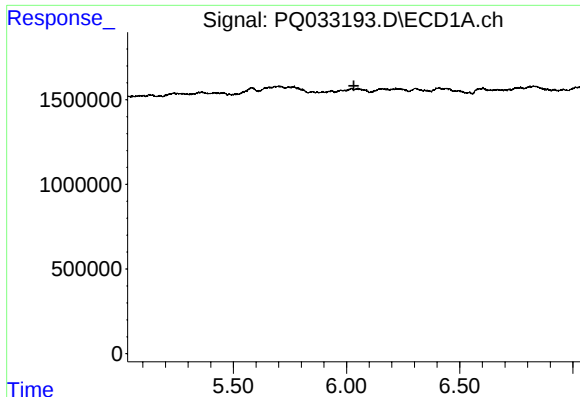
#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T.: 5.945 min  
Response: 0  
Conc: N.D.



#14 AR-1232-4

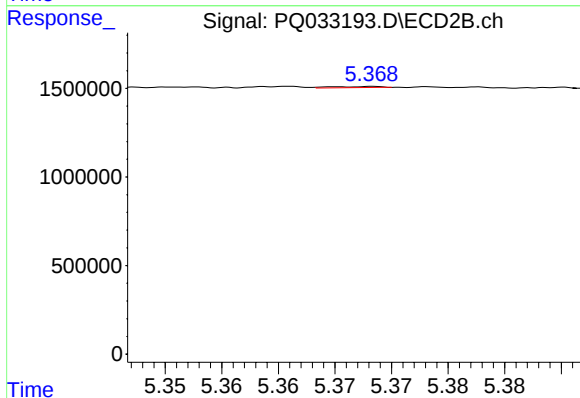
R.T.: 5.220 min  
Delta R.T.: -0.015 min  
Response: 27416  
Conc: 1.60 ng/ml



#15 AR-1232-5

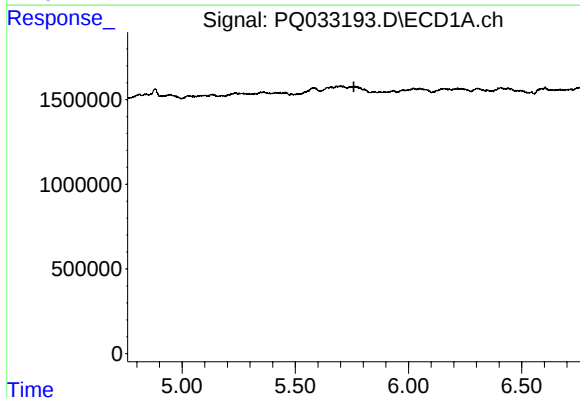
R.T.: 0.000 min  
Exp R.T.: 6.032 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



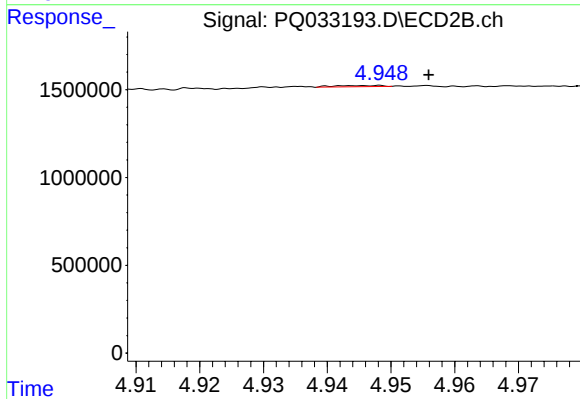
#15 AR-1232-5

R.T.: 5.369 min  
Delta R.T.: -0.040 min  
Response: 16376  
Conc: 0.84 ng/ml



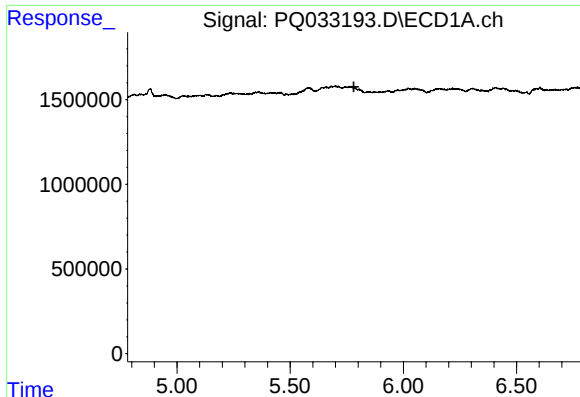
#16 AR-1242-1

R.T.: 0.000 min  
Exp R.T.: 5.758 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

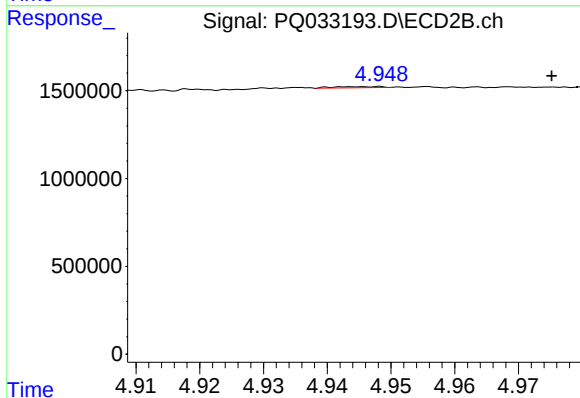
R.T.: 4.948 min  
Delta R.T.: -0.008 min  
Response: 35186  
Conc: 0.72 ng/ml



#17 AR-1242-2

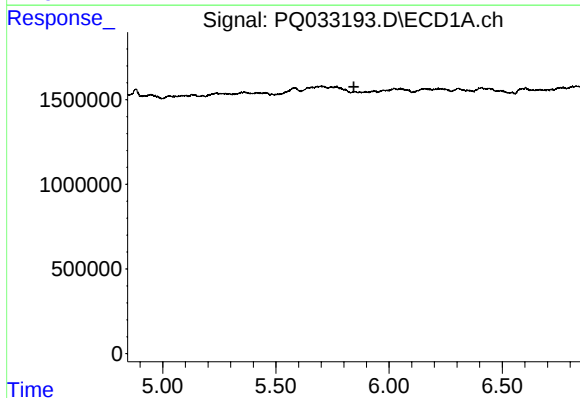
R.T.: 0.000 min  
Exp R.T.: 5.781 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



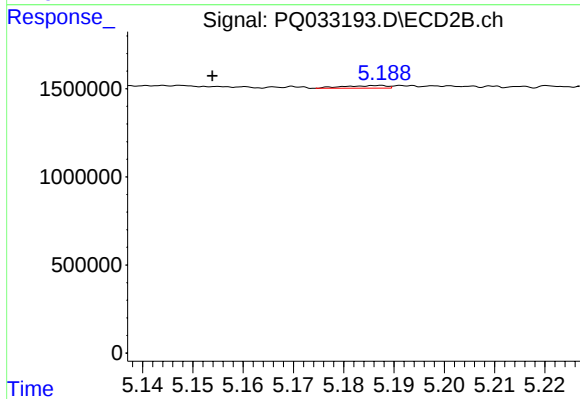
#17 AR-1242-2

R.T.: 4.948 min  
Delta R.T.: -0.027 min  
Response: 35186  
Conc: 0.52 ng/ml



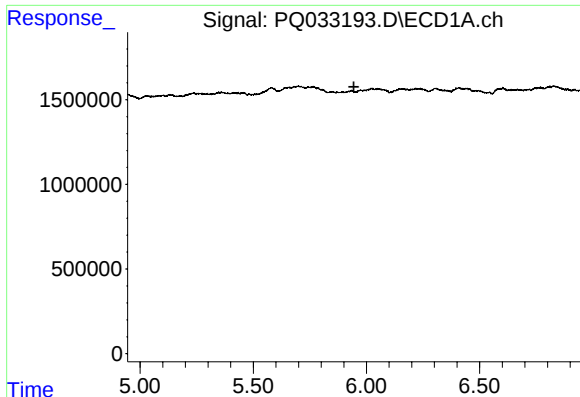
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T.: 5.844 min  
Response: 0  
Conc: N.D.



#18 AR-1242-3

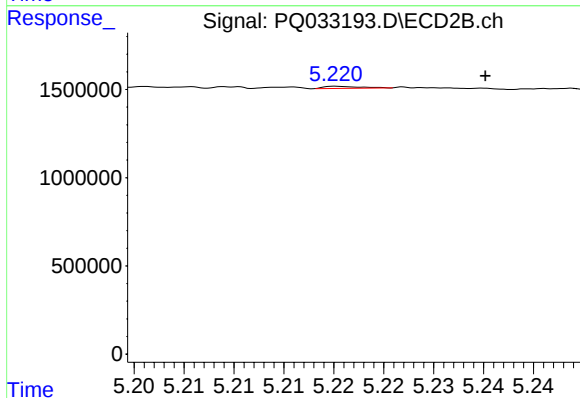
R.T.: 5.188 min  
Delta R.T.: 0.034 min  
Response: 91026  
Conc: 2.48 ng/ml



#19 AR-1242-4

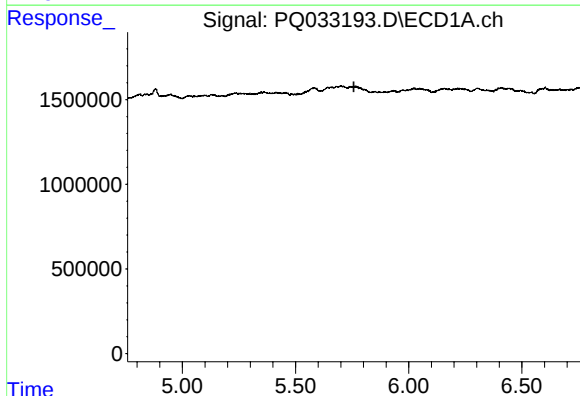
R.T.: 0.000 min  
Exp R.T.: 5.944 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



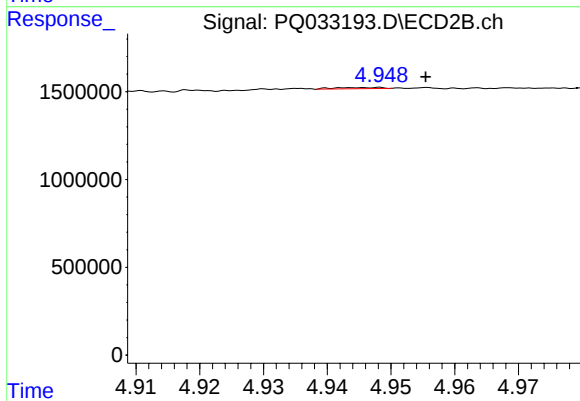
#19 AR-1242-4

R.T.: 5.220 min  
Delta R.T.: -0.015 min  
Response: 27416  
Conc: 0.74 ng/ml



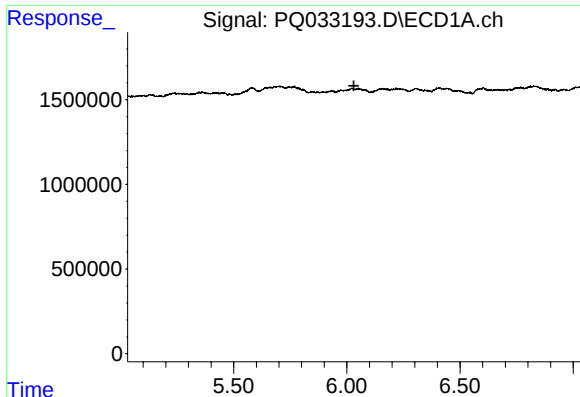
#21 AR-1248-1

R.T.: 0.000 min  
Exp R.T.: 5.758 min  
Response: 0  
Conc: N.D.



#21 AR-1248-1

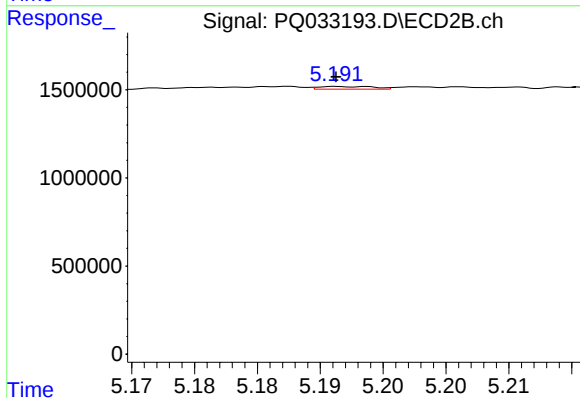
R.T.: 4.948 min  
Delta R.T.: -0.007 min  
Response: 35186  
Conc: 0.86 ng/ml



#22 AR-1248-2

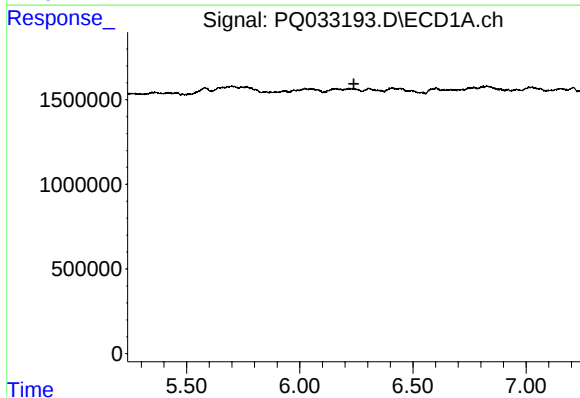
R.T.: 0.000 min  
Exp R.T.: 6.031 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



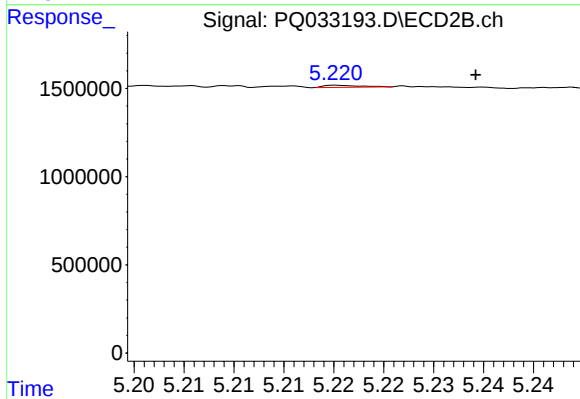
#22 AR-1248-2

R.T.: 5.192 min  
Delta R.T.: 0.000 min  
Response: 47320  
Conc: 0.86 ng/ml



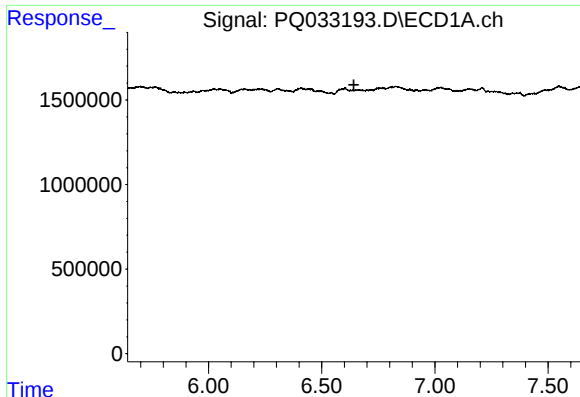
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T.: 6.239 min  
Response: 0  
Conc: N.D.



#23 AR-1248-3

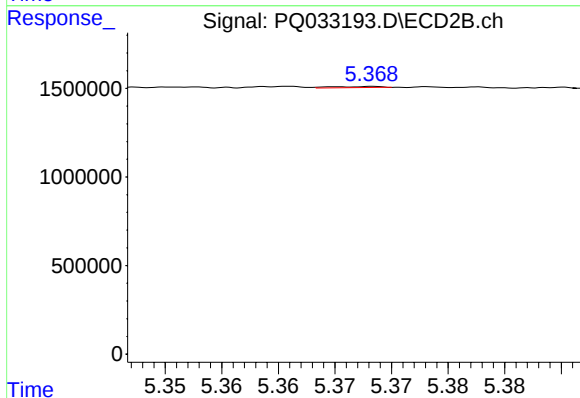
R.T.: 5.220 min  
Delta R.T.: -0.014 min  
Response: 27416  
Conc: 0.49 ng/ml



#24 AR-1248-4

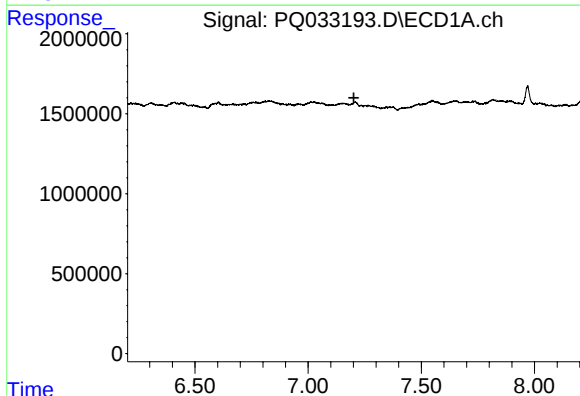
R.T.: 0.000 min  
Exp R.T.: 6.642 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



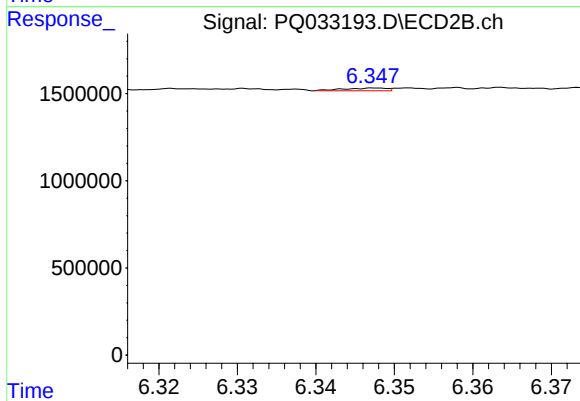
#24 AR-1248-4

R.T.: 5.369 min  
Delta R.T.: -0.039 min  
Response: 16376  
Conc: 0.24 ng/ml



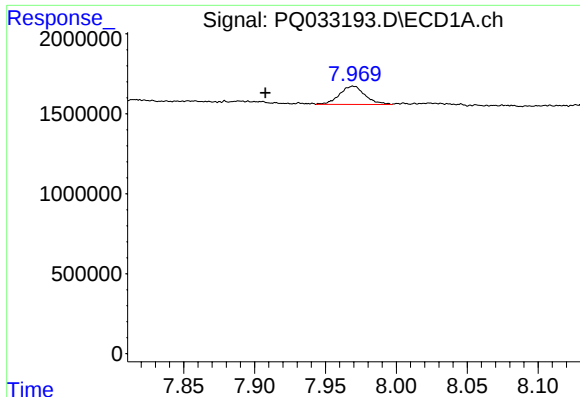
#28 AR-1254-3

R.T.: 0.000 min  
Exp R.T.: 7.202 min  
Response: 0  
Conc: N.D.



#28 AR-1254-3

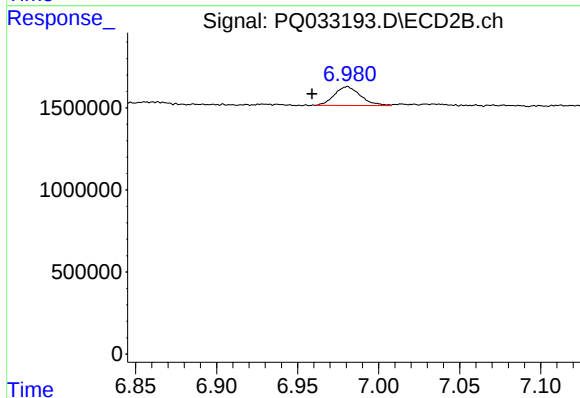
R.T.: 6.348 min  
Delta R.T.: 0.034 min  
Response: 57233  
Conc: 0.34 ng/ml



#30 AR-1254-5

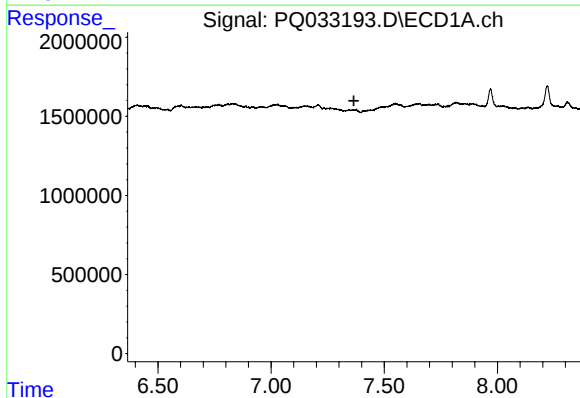
R.T.: 7.969 min  
Delta R.T.: 0.062 min  
Response: 1428849  
Conc: 10.79 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



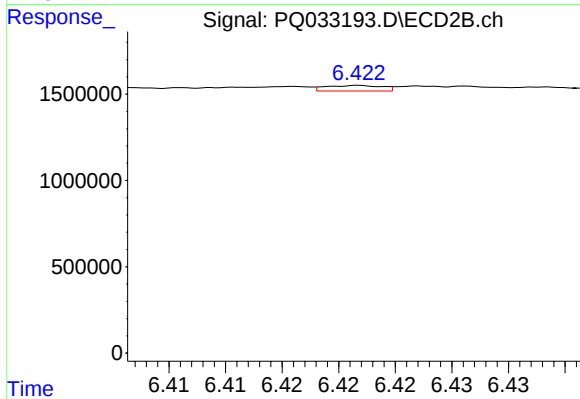
#30 AR-1254-5

R.T.: 6.981 min  
Delta R.T.: 0.022 min  
Response: 1291372  
Conc: 8.79 ng/ml



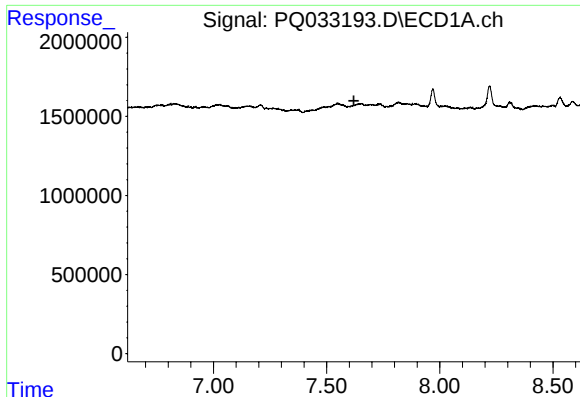
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T. : 7.366 min  
Response: 0  
Conc: N.D.



#31 AR-1260-1

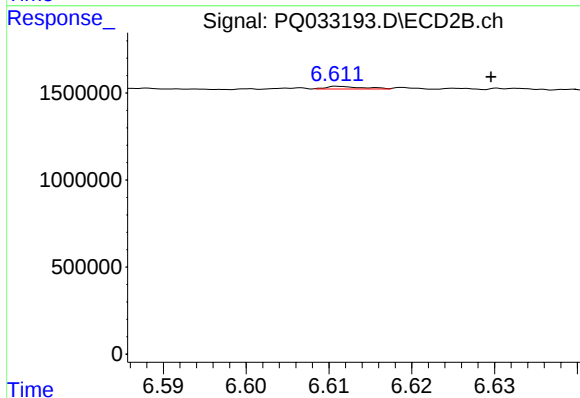
R.T.: 6.422 min  
Delta R.T.: -0.022 min  
Response: 109946  
Conc: 1.17 ng/ml



#32 AR-1260-2

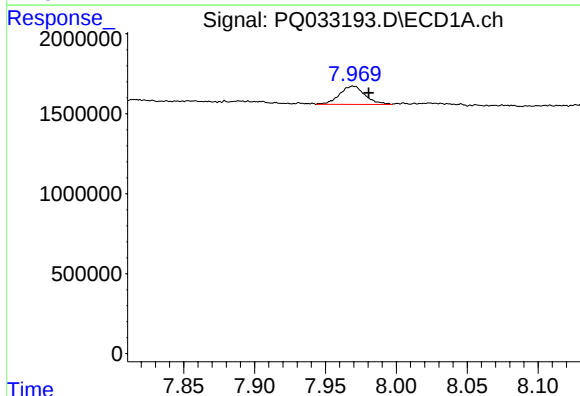
R.T.: 0.000 min  
Exp R.T.: 7.620 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



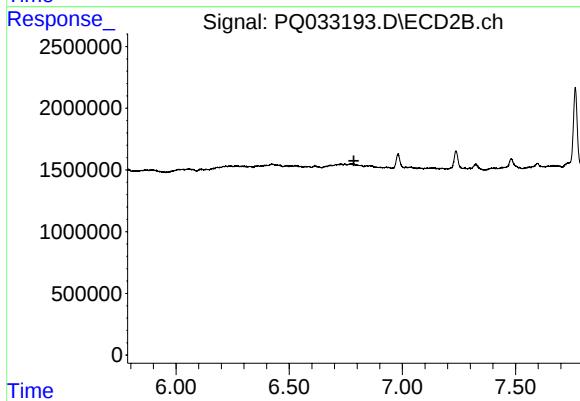
#32 AR-1260-2

R.T.: 6.611 min  
Delta R.T.: -0.018 min  
Response: 44424  
Conc: 0.38 ng/ml



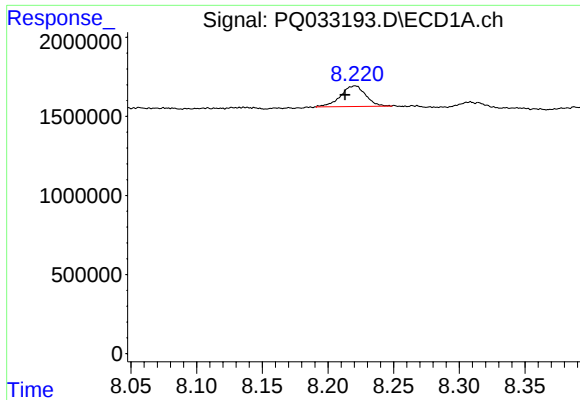
#33 AR-1260-3

R.T.: 7.969 min  
Delta R.T.: -0.011 min  
Response: 1428849  
Conc: 18.34 ng/ml



#33 AR-1260-3

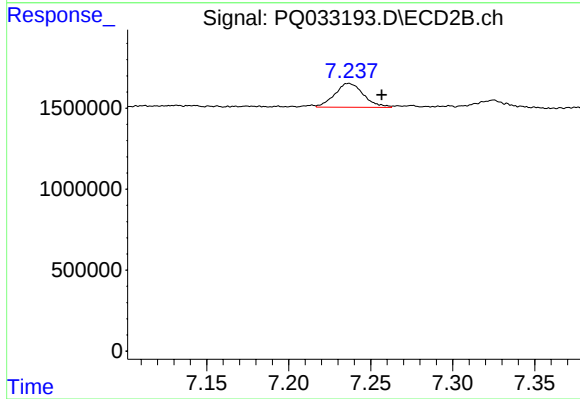
R.T.: 0.000 min  
Exp R.T.: 6.785 min  
Response: 0  
Conc: N.D.



#34 AR-1260-4

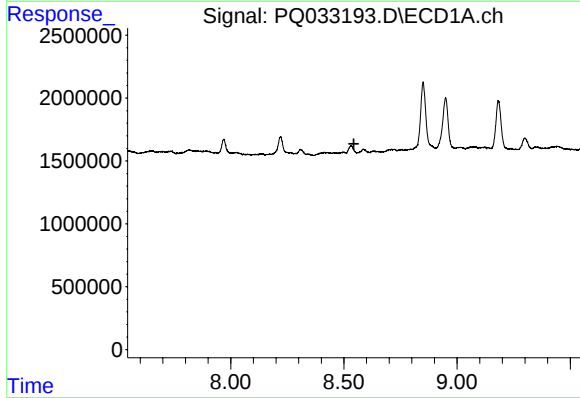
R.T.: 8.221 min  
Delta R.T.: 0.008 min  
Response: 1722099  
Conc: 17.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



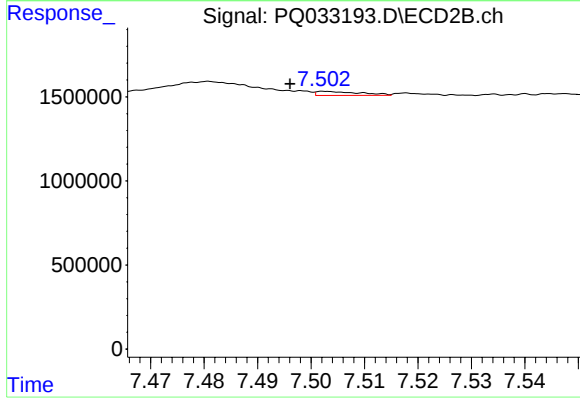
#34 AR-1260-4

R.T.: 7.237 min  
Delta R.T.: -0.020 min  
Response: 1815032  
Conc: 23.61 ng/ml



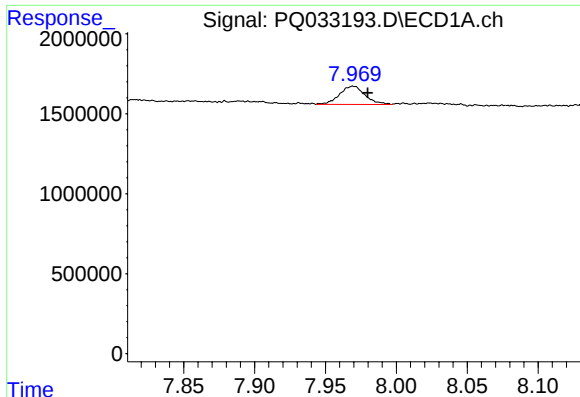
#35 AR-1260-5

R.T.: 0.000 min  
Exp R.T. : 8.544 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

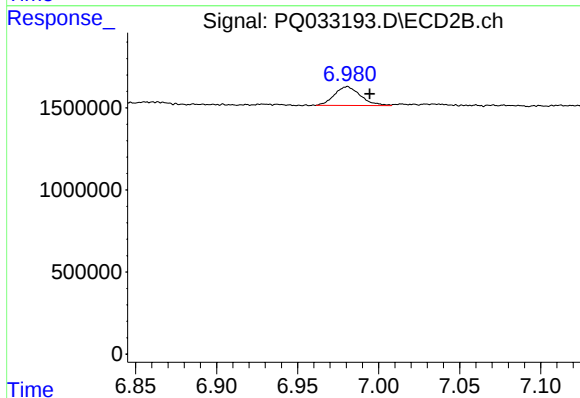
R.T.: 7.503 min  
Delta R.T.: 0.007 min  
Response: 134317  
Conc: 0.70 ng/ml



#36 AR-1262-1

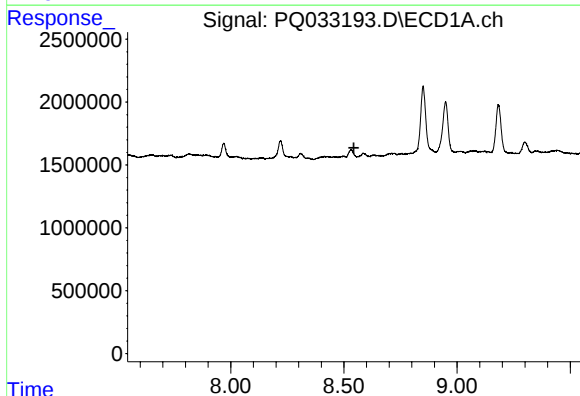
R.T.: 7.969 min  
Delta R.T.: -0.010 min  
Response: 1428849  
Conc: 10.60 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



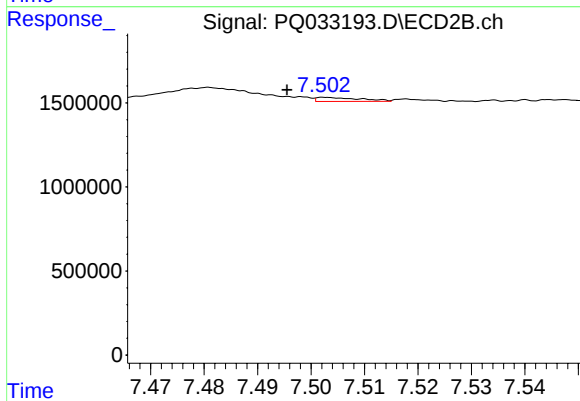
#36 AR-1262-1

R.T.: 6.981 min  
Delta R.T.: -0.013 min  
Response: 1291372  
Conc: 10.05 ng/ml



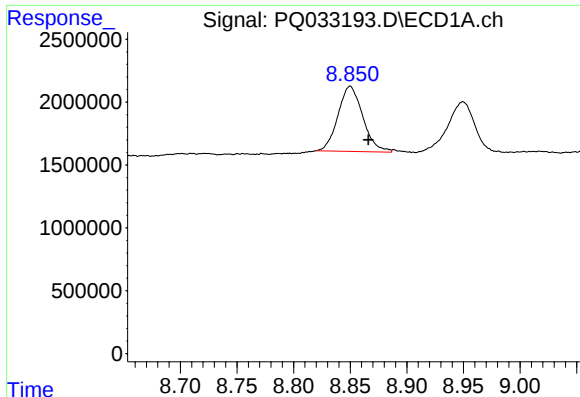
#37 AR-1262-2

R.T.: 0.000 min  
Exp R.T. : 8.544 min  
Response: 0  
Conc: N.D.



#37 AR-1262-2

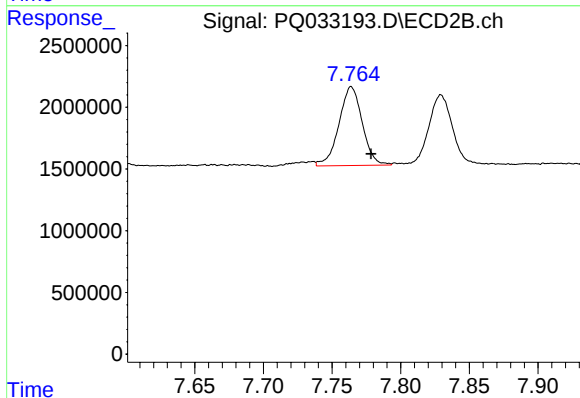
R.T.: 7.503 min  
Delta R.T.: 0.007 min  
Response: 134317  
Conc: 0.56 ng/ml



#38 AR-1262-3

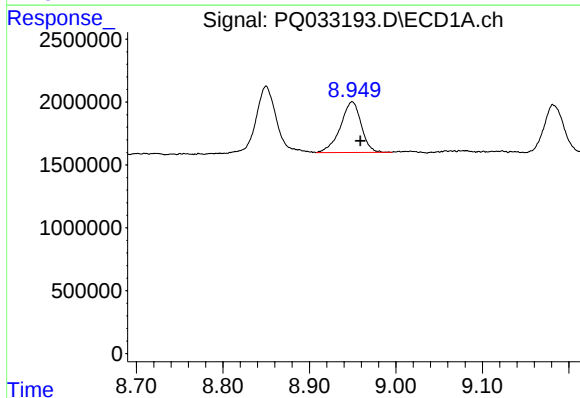
R.T.: 8.850 min  
Delta R.T.: -0.016 min  
Response: 7908226  
Conc: 47.81 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



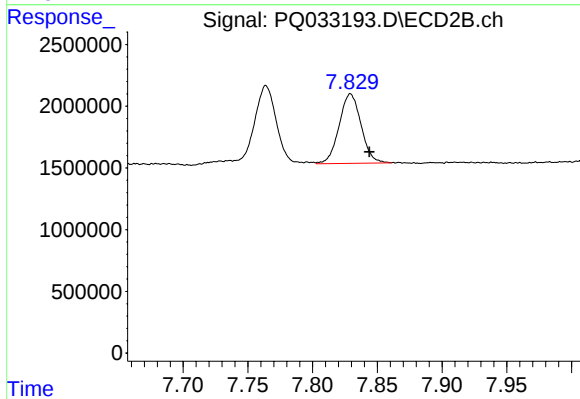
#38 AR-1262-3

R.T.: 7.764 min  
Delta R.T.: -0.015 min  
Response: 7551244  
Conc: 81.07 ng/ml



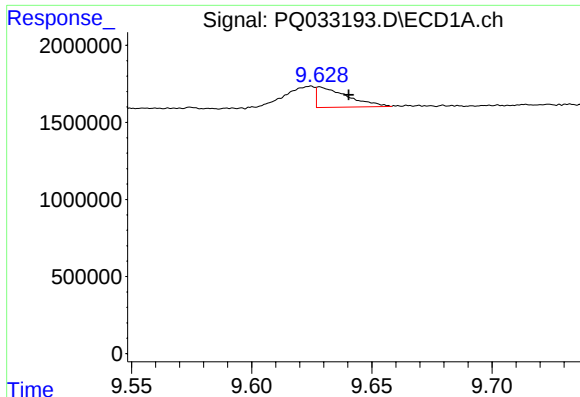
#39 AR-1262-4

R.T.: 8.949 min  
Delta R.T.: -0.009 min  
Response: 6746111  
Conc: 98.99 ng/ml



#39 AR-1262-4

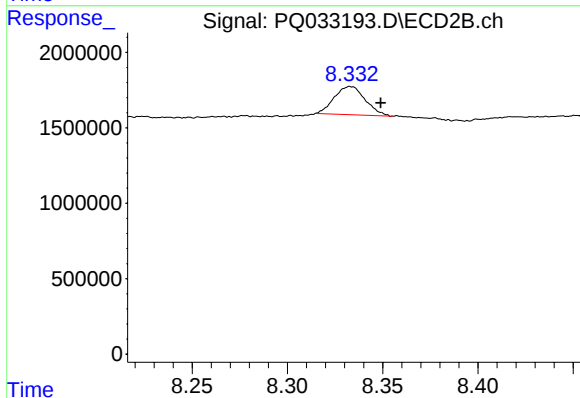
R.T.: 7.829 min  
Delta R.T.: -0.014 min  
Response: 6640504  
Conc: 38.14 ng/ml



#40 AR-1262-5

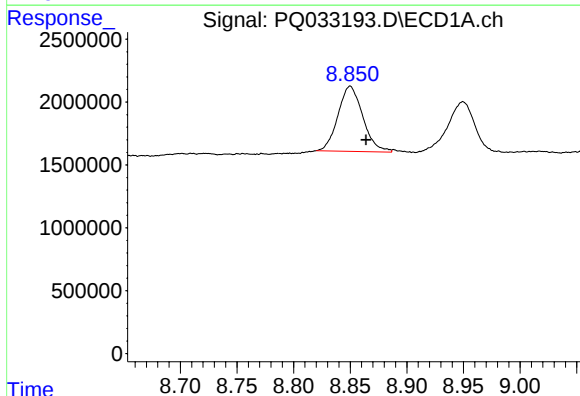
R.T.: 9.628 min  
Delta R.T.: -0.012 min  
Response: 1191593  
Conc: 13.62 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



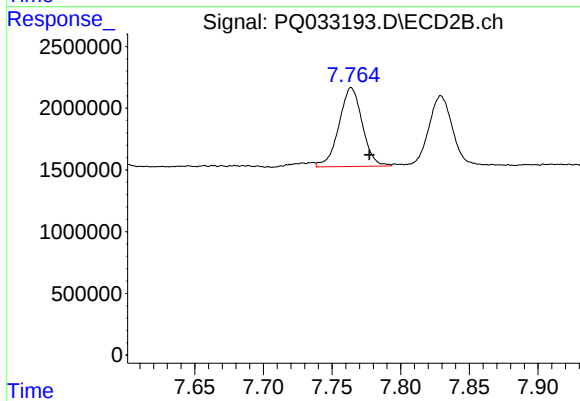
#40 AR-1262-5

R.T.: 8.333 min  
Delta R.T.: -0.016 min  
Response: 2110487  
Conc: 26.15 ng/ml



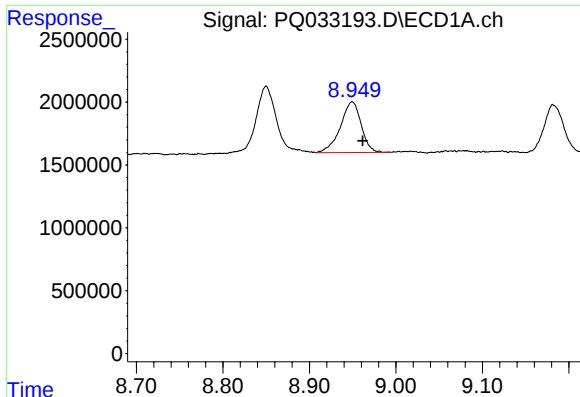
#41 AR-1268-1

R.T.: 8.850 min  
Delta R.T.: -0.014 min  
Response: 7908226  
Conc: 21.56 ng/ml



#41 AR-1268-1

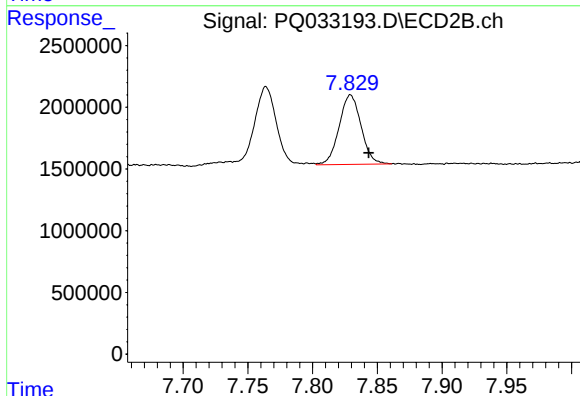
R.T.: 7.764 min  
Delta R.T.: -0.013 min  
Response: 7551244  
Conc: 22.09 ng/ml



#42 AR-1268-2

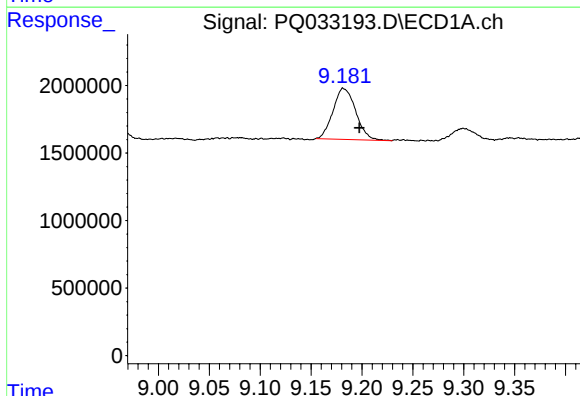
R.T.: 8.949 min  
Delta R.T.: -0.012 min  
Response: 6746111  
Conc: 20.24 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



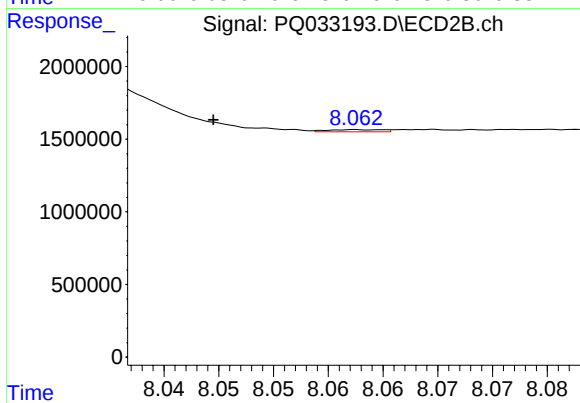
#42 AR-1268-2

R.T.: 7.829 min  
Delta R.T.: -0.014 min  
Response: 6640504  
Conc: 21.49 ng/ml



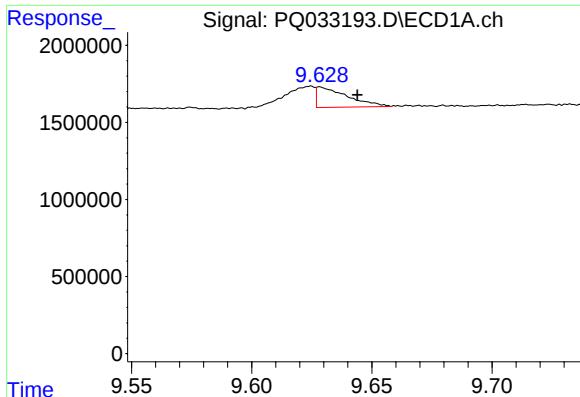
#43 AR-1268-3

R.T.: 9.181 min  
Delta R.T.: -0.016 min  
Response: 5874003  
Conc: 20.84 ng/ml



#43 AR-1268-3

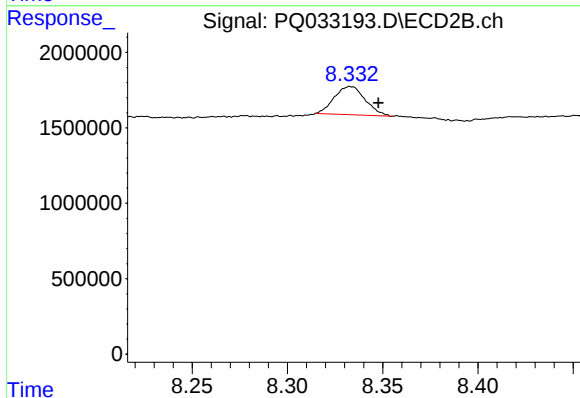
R.T.: 8.063 min  
Delta R.T.: 0.013 min  
Response: 51048  
Conc: 0.20 ng/ml



#44 AR-1268-4

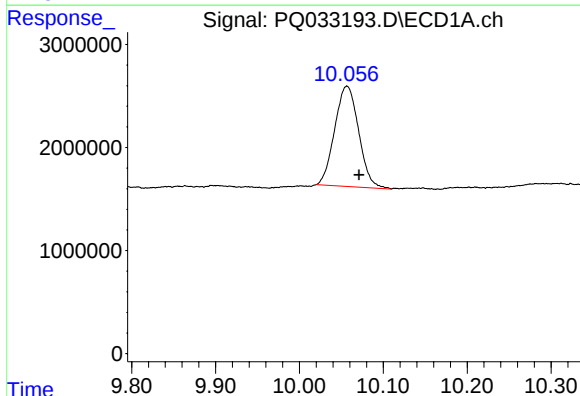
R.T.: 9.628 min  
Delta R.T.: -0.015 min  
Response: 1191593  
Conc: 9.86 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



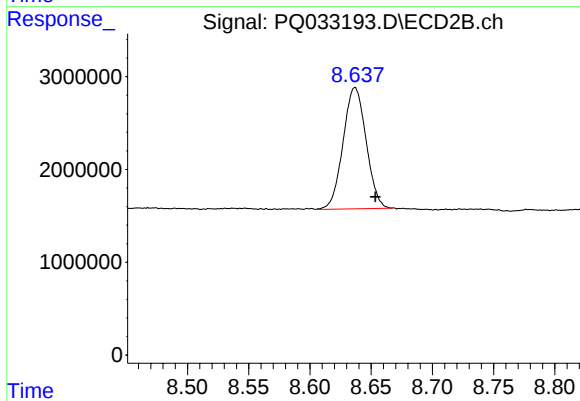
#44 AR-1268-4

R.T.: 8.333 min  
Delta R.T.: -0.015 min  
Response: 2110487  
Conc: 19.13 ng/ml



#45 AR-1268-5

R.T.: 10.057 min  
Delta R.T.: -0.014 min  
Response: 19334730  
Conc: 20.91 ng/ml



#45 AR-1268-5

R.T.: 8.637 min  
Delta R.T.: -0.016 min  
Response: 17089030  
Conc: 20.43 ng/ml