

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ052419\  
 Data File : PQ040173.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 May 2019 09:25  
 Operator : SM\AJ  
 Sample : K2846-19  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 BFHA1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 24 22:52:20 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ052219CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu May 23 04:10:58 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... | 5.608  | 4.739  | 68567061 | 40649994 | 20.931 | 18.927   |
| 2)                          | SA Decachlor... | 11.927 | 10.464 | 175.6E6  | 87508758 | 24.579 | 21.046   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 3)                          | L1 AR-1016-1    | 0.000  | 6.155  | 0        | 106848   | N.D.   | 0.833 #  |
| 4)                          | L1 AR-1016-2    | 0.000  | 6.245  | 0        | 468145   | N.D.   | 2.425 #  |
| 5)                          | L1 AR-1016-3    | 0.000  | 6.413  | 0        | 1274176  | N.D.   | 11.814 # |
| 6)                          | L1 AR-1016-4    | 0.000  | 6.519  | 0        | 1455356  | N.D.   | 17.092 # |
| 7)                          | L1 AR-1016-5    | 0.000  | 6.775  | 0        | 677841   | N.D.   | 5.887 #  |
| 9)                          | L2 AR-1221-2    | 0.000  | 5.159  | 0        | 1507008  | N.D.   | 92.524 # |
| 12)                         | L3 AR-1232-2    | 0.000  | 6.245  | 0        | 468145   | N.D.   | 7.804 #  |
| 13)                         | L3 AR-1232-3    | 0.000  | 6.413  | 0        | 1274176  | N.D.   | 36.231 # |
| 14)                         | L3 AR-1232-4    | 0.000  | 6.519  | 0        | 1455356  | N.D.   | 49.254 # |
| 15)                         | L3 AR-1232-5    | 0.000  | 6.775  | 0        | 677841   | N.D.   | 22.516 # |
| 16)                         | L4 AR-1242-1    | 0.000  | 6.155  | 0        | 106848   | N.D.   | 1.445 #  |
| 17)                         | L4 AR-1242-2    | 0.000  | 6.245  | 0        | 468145   | N.D.   | 4.397 #  |
| 18)                         | L4 AR-1242-3    | 0.000  | 6.413  | 0        | 1274176  | N.D.   | 21.122 # |
| 19)                         | L4 AR-1242-4    | 0.000  | 6.519  | 0        | 1455356  | N.D.   | 24.419 # |
| 20)                         | L4 AR-1242-5    | 0.000  | 7.174  | 0        | 805746   | N.D.   | 9.998 #  |
| 21)                         | L5 AR-1248-1    | 0.000  | 6.155  | 0        | 106848   | N.D.   | 1.854 #  |
| 22)                         | L5 AR-1248-2    | 0.000  | 6.519  | 0        | 1455356  | N.D.   | 16.553 # |
| 23)                         | L5 AR-1248-3    | 0.000  | 6.519  | 0        | 1455356  | N.D.   | 16.084 # |
| 24)                         | L5 AR-1248-4    | 0.000  | 6.775  | 0        | 677841   | N.D.   | 6.138 #  |
| 25)                         | L5 AR-1248-5    | 0.000  | 7.174  | 0        | 805746   | N.D.   | 7.097 #  |
| 26)                         | L6 AR-1254-1    | 0.000  | 7.174  | 0        | 805746   | N.D.   | 4.207 #  |
| 27)                         | L6 AR-1254-2    | 0.000  | 7.261  | 0        | 1548967  | N.D.   | 8.916 #  |
| 28)                         | L6 AR-1254-3    | 0.000  | 7.765  | 0        | 2652260  | N.D.   | 9.178 #  |
| 29)                         | L6 AR-1254-4    | 0.000  | 7.986  | 0        | 762298   | N.D.   | 4.269 #  |
| 30)                         | L6 AR-1254-5    | 0.000  | 8.448  | 0        | 401486   | N.D.   | 1.558 #  |
| 31)                         | L7 AR-1260-1    | 0.000  | 7.910  | 0        | 1221153  | N.D.   | 4.455 #  |
| 32)                         | L7 AR-1260-2    | 0.000  | 8.138  | 0        | 173243   | N.D.   | 0.501 #  |
| 33)                         | L7 AR-1260-3    | 0.000  | 8.258  | 0        | 51378    | N.D.   | 0.160 #  |
| 34)                         | L7 AR-1260-4    | 0.000  | 8.743  | 0        | 560805   | N.D.   | 2.064 #  |
| 35)                         | L7 AR-1260-5    | 0.000  | 8.980  | 0        | 689166   | N.D.   | 1.025 #  |
| 36)                         | L8 AR-1262-1    | 0.000  | 8.523  | 0        | 312744   | N.D.   | 2.754 #  |
| 37)                         | L8 AR-1262-2    | 0.000  | 8.980  | 0        | 689166   | N.D.   | 1.389 #  |
| 38)                         | L8 AR-1262-3    | 0.000  | 9.308  | 0        | 264220   | N.D.   | 1.257 #  |
| 39)                         | L8 AR-1262-4    | 0.000  | 9.347  | 0        | 29056    | N.D.   | 0.077 #  |
| 41)                         | L9 AR-1268-1    | 0.000  | 9.308  | 0        | 264220   | N.D.   | 0.579 #  |
| 42)                         | L9 AR-1268-2    | 0.000  | 9.347  | 0        | 29056    | N.D.   | 0.066 #  |
| 43)                         | L9 AR-1268-3    | 0.000  | 9.573  | 0        | 643831   | N.D.   | 1.715 #  |
| 45)                         | L9 AR-1268-5    | 0.000  | 10.197 | 0        | 756679   | N.D.   | 0.641 #  |
| -----                       |                 |        |        |          |          |        |          |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ052419\  
Data File : PQ040173.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2019 09:25  
Operator : SM\AJ  
Sample : K2846-19  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1

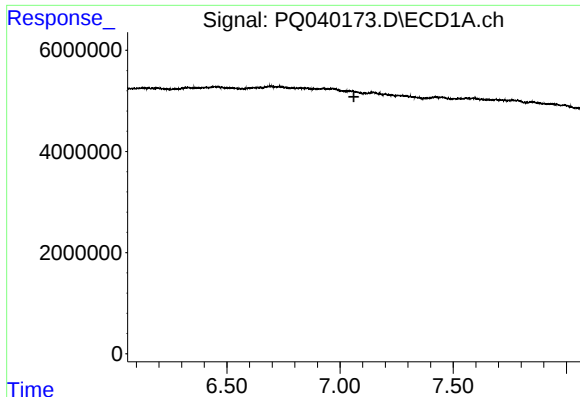
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 22:52:20 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ052219CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Thu May 23 04:10:58 2019  
Response via : Initial Calibration  
Integrator: 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 |
|----------|------|------|--------|--------|-------|-------|
|----------|------|------|--------|--------|-------|-------|

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

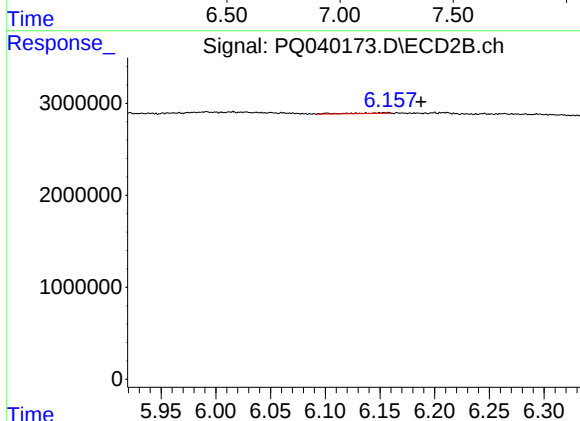




#3 AR-1016-1

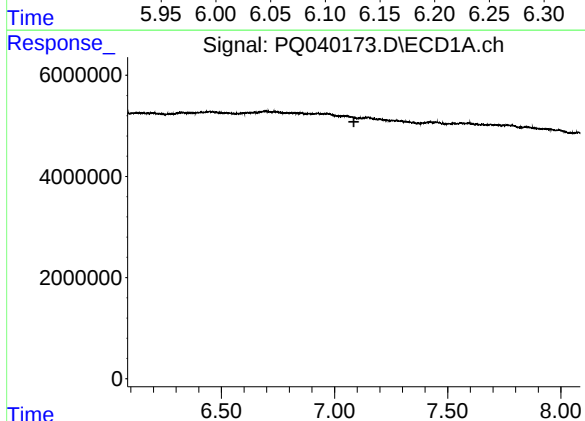
R.T.: 0.000 min  
Exp R.T.: 7.061 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



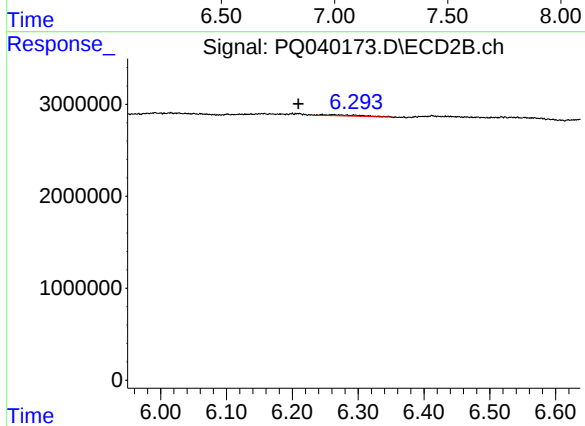
#3 AR-1016-1

R.T.: 6.155 min  
Delta R.T.: -0.033 min  
Response: 106848  
Conc: 0.83 ng/ml



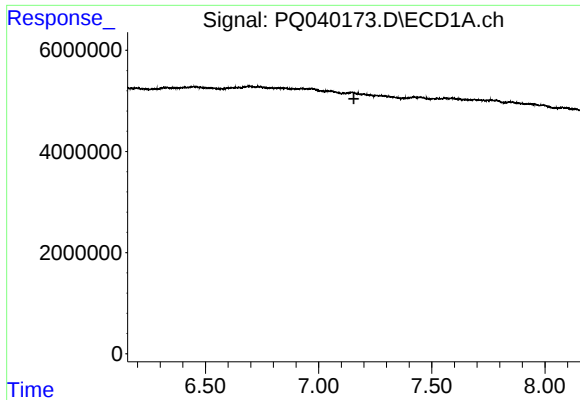
#4 AR-1016-2

R.T.: 0.000 min  
Exp R.T.: 7.085 min  
Response: 0  
Conc: N.D.



#4 AR-1016-2

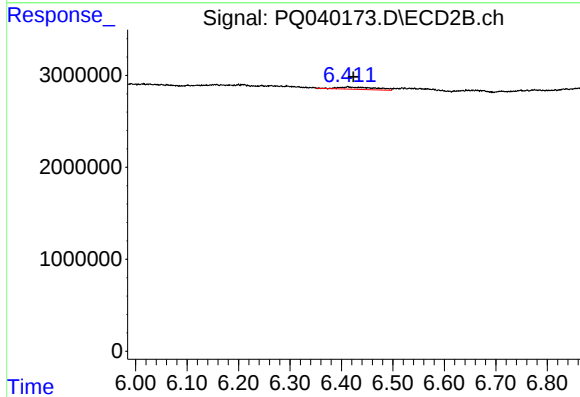
R.T.: 6.245 min  
Delta R.T.: 0.036 min  
Response: 468145  
Conc: 2.43 ng/ml



#5 AR-1016-3

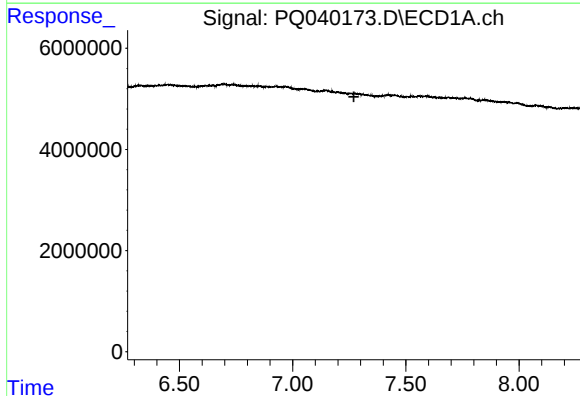
R.T.: 0.000 min  
Exp R.T.: 7.156 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



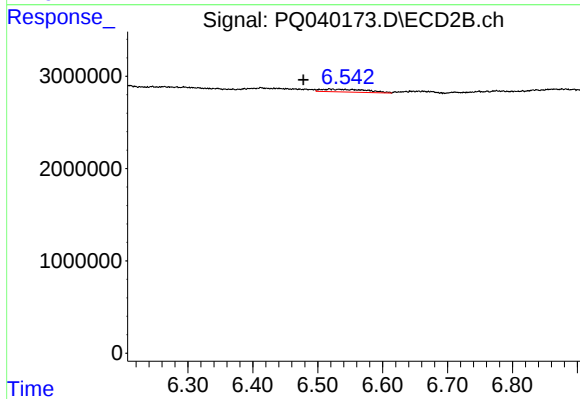
#5 AR-1016-3

R.T.: 6.413 min  
Delta R.T.: -0.011 min  
Response: 1274176  
Conc: 11.81 ng/ml



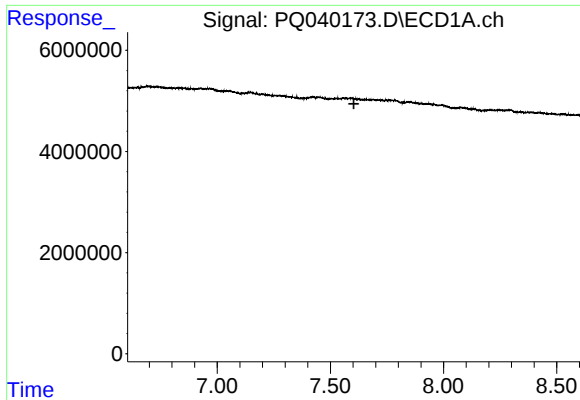
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 7.271 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

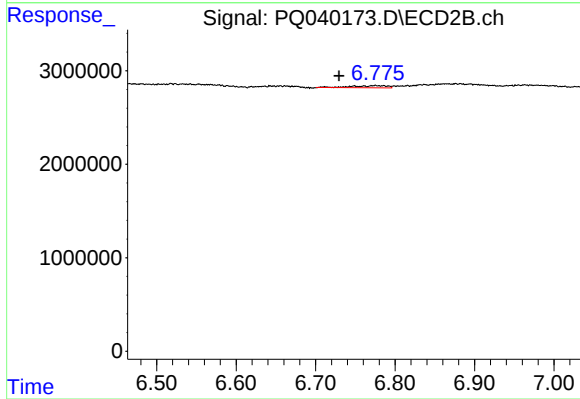
R.T.: 6.519 min  
Delta R.T.: 0.041 min  
Response: 1455356  
Conc: 17.09 ng/ml



#7 AR-1016-5

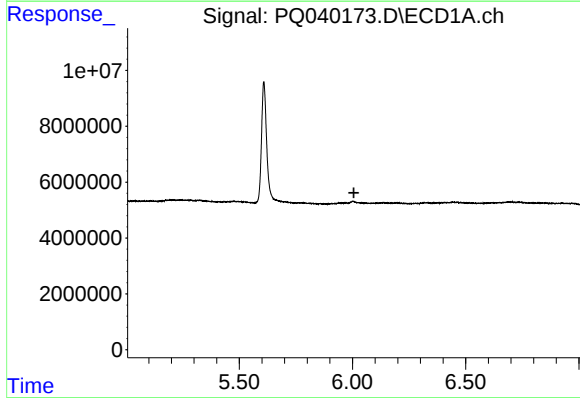
R.T.: 0.000 min  
Exp R.T.: 7.604 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



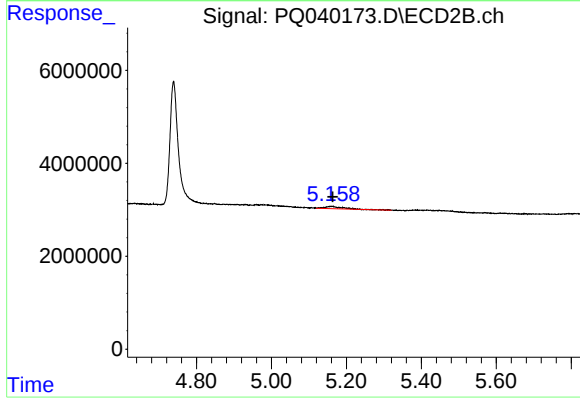
#7 AR-1016-5

R.T.: 6.775 min  
Delta R.T.: 0.046 min  
Response: 677841  
Conc: 5.89 ng/ml



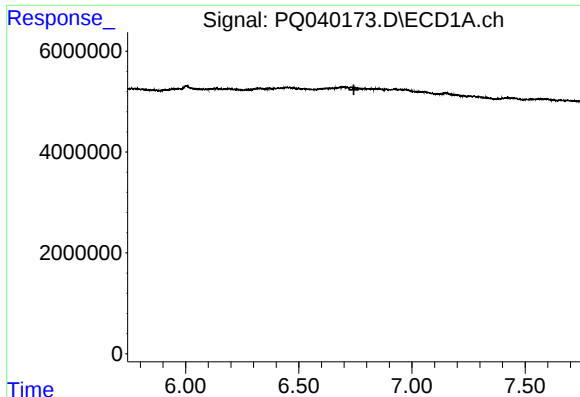
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T.: 6.006 min  
Response: 0  
Conc: N.D.



#9 AR-1221-2

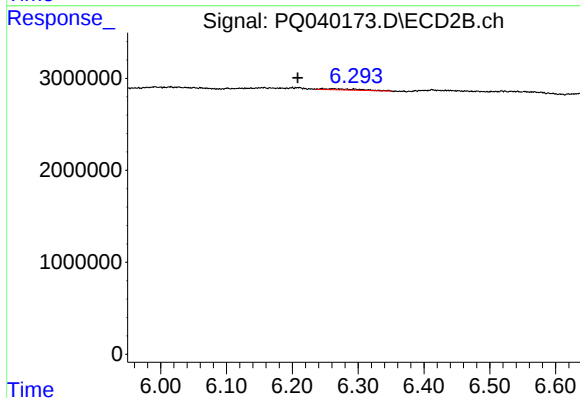
R.T.: 5.159 min  
Delta R.T.: -0.004 min  
Response: 1507008  
Conc: 92.52 ng/ml



#12 AR-1232-2

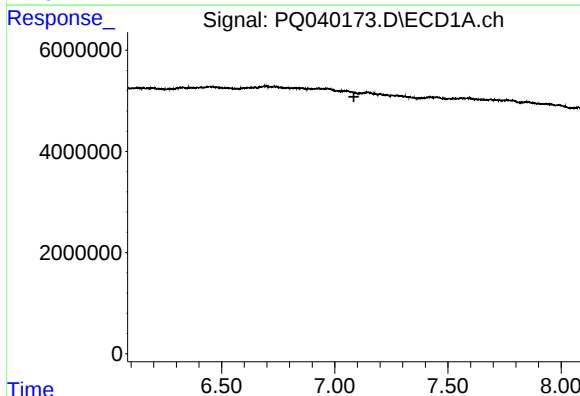
R.T.: 0.000 min  
Exp R.T.: 6.743 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



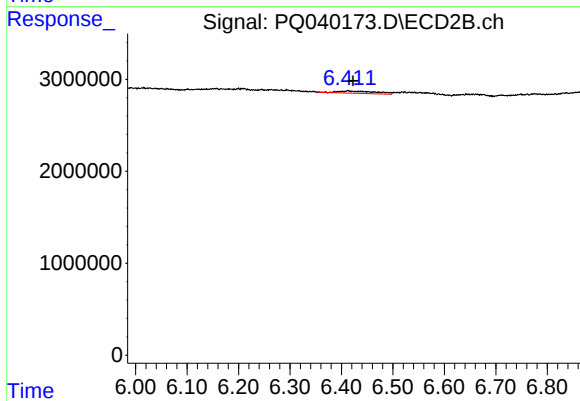
#12 AR-1232-2

R.T.: 6.245 min  
Delta R.T.: 0.037 min  
Response: 468145  
Conc: 7.80 ng/ml



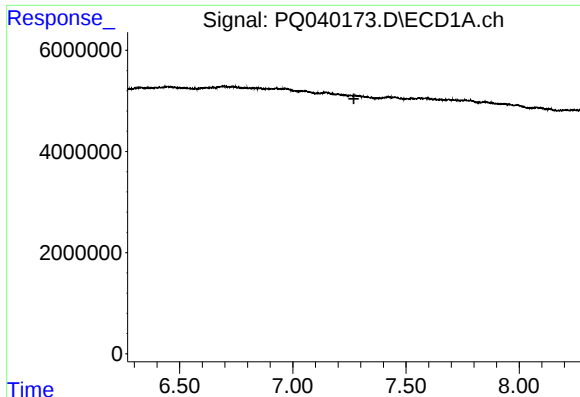
#13 AR-1232-3

R.T.: 0.000 min  
Exp R.T.: 7.084 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

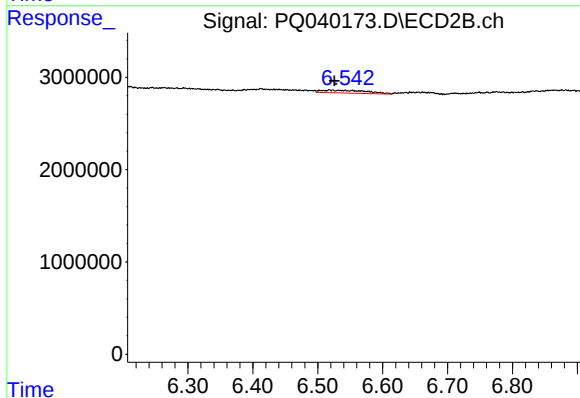
R.T.: 6.413 min  
Delta R.T.: -0.010 min  
Response: 1274176  
Conc: 36.23 ng/ml



#14 AR-1232-4

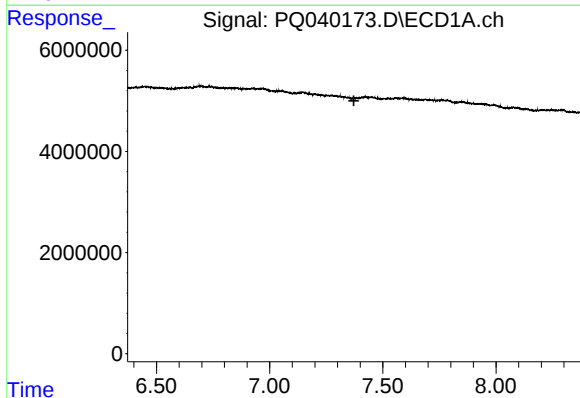
R.T.: 0.000 min  
Exp R.T.: 7.270 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



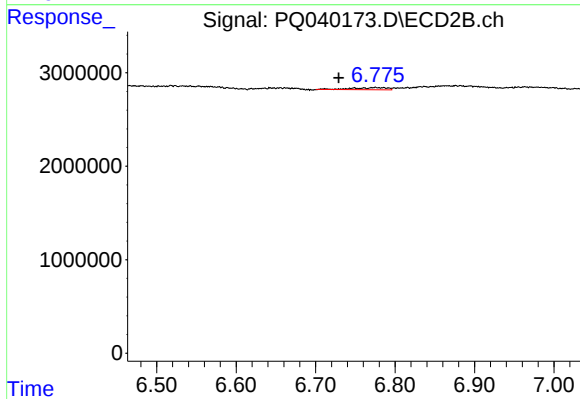
#14 AR-1232-4

R.T.: 6.519 min  
Delta R.T.: -0.006 min  
Response: 1455356  
Conc: 49.25 ng/ml



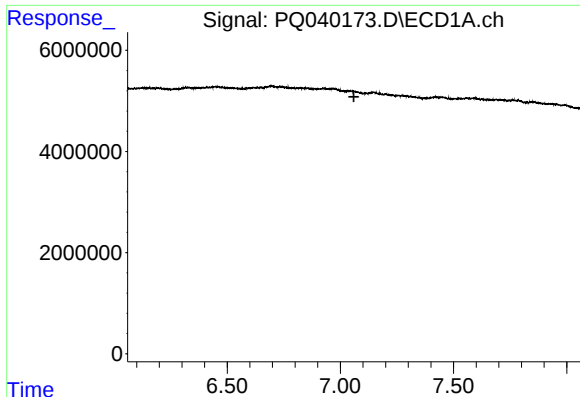
#15 AR-1232-5

R.T.: 0.000 min  
Exp R.T.: 7.372 min  
Response: 0  
Conc: N.D.



#15 AR-1232-5

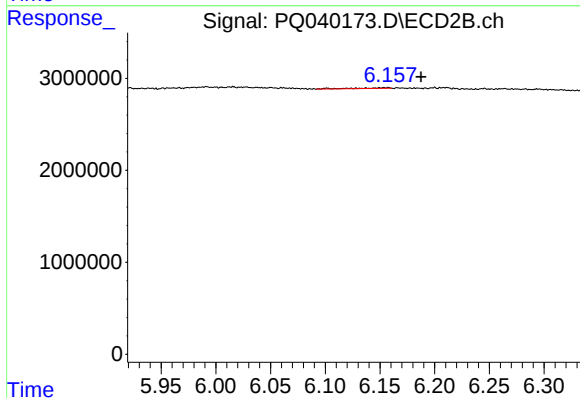
R.T.: 6.775 min  
Delta R.T.: 0.046 min  
Response: 677841  
Conc: 22.52 ng/ml



#16 AR-1242-1

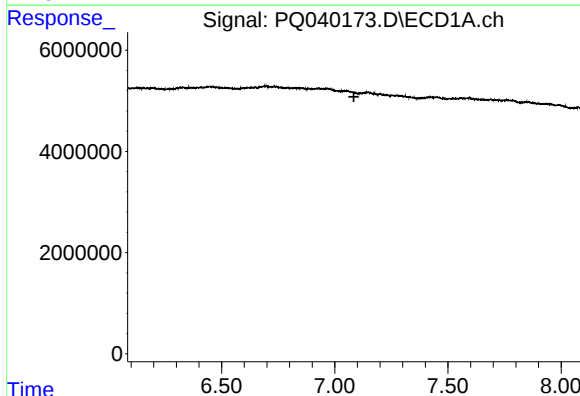
R.T.: 0.000 min  
Exp R.T.: 7.060 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



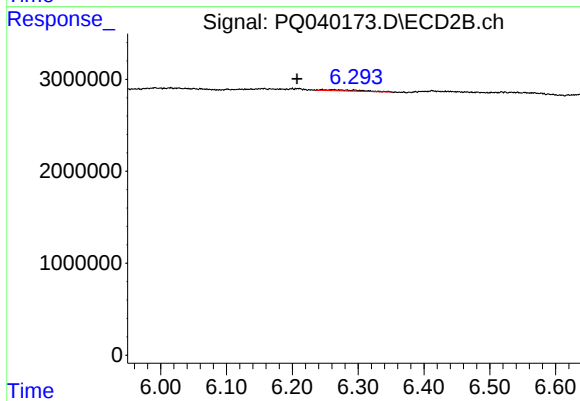
#16 AR-1242-1

R.T.: 6.155 min  
Delta R.T.: -0.033 min  
Response: 106848  
Conc: 1.44 ng/ml



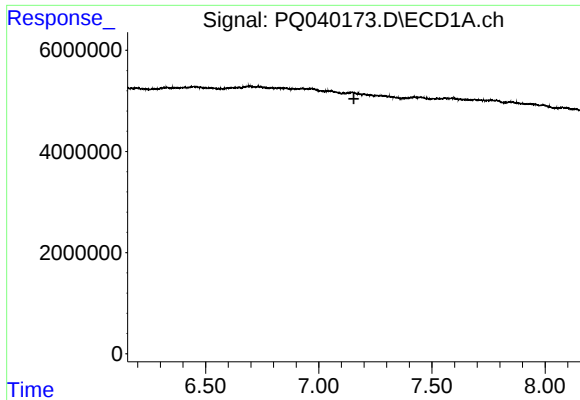
#17 AR-1242-2

R.T.: 0.000 min  
Exp R.T.: 7.085 min  
Response: 0  
Conc: N.D.



#17 AR-1242-2

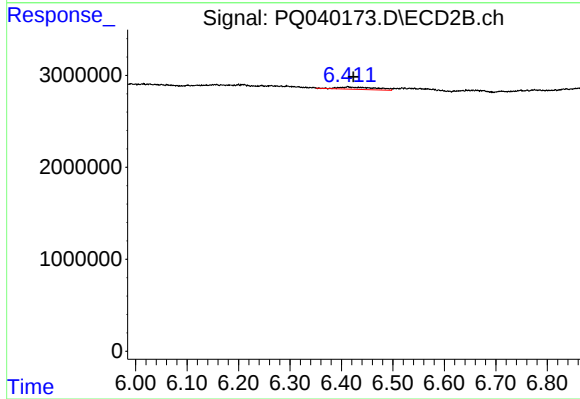
R.T.: 6.245 min  
Delta R.T.: 0.038 min  
Response: 468145  
Conc: 4.40 ng/ml



#18 AR-1242-3

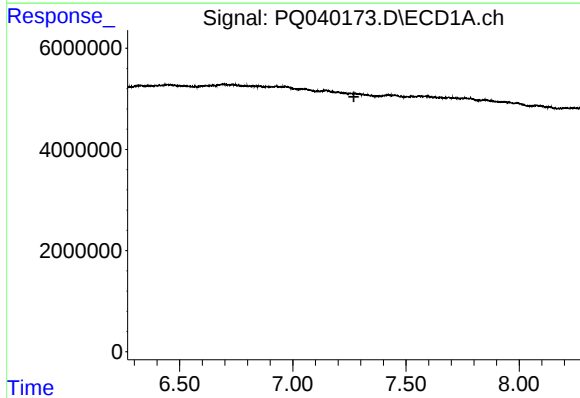
R.T.: 0.000 min  
Exp R.T.: 7.155 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



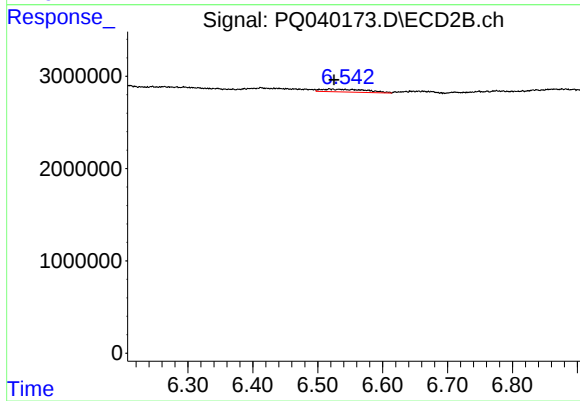
#18 AR-1242-3

R.T.: 6.413 min  
Delta R.T.: -0.011 min  
Response: 1274176  
Conc: 21.12 ng/ml



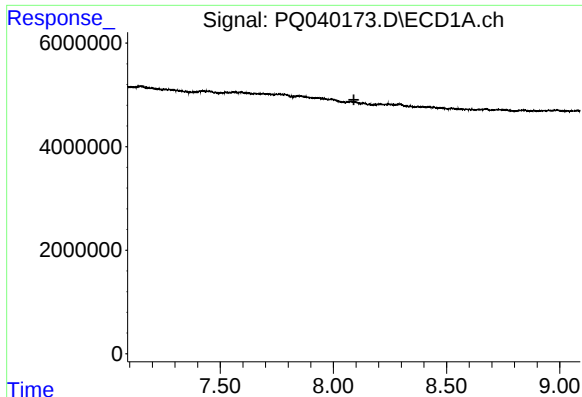
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 7.270 min  
Response: 0  
Conc: N.D.



#19 AR-1242-4

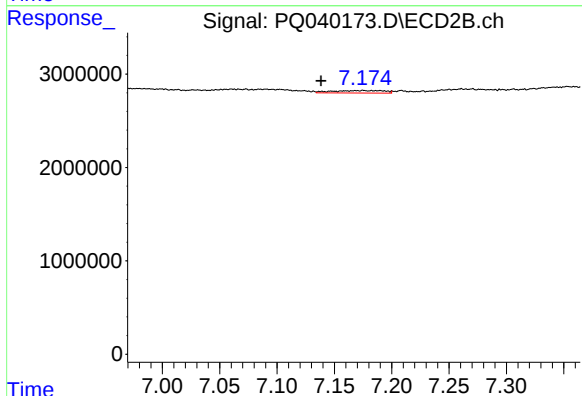
R.T.: 6.519 min  
Delta R.T.: -0.006 min  
Response: 1455356  
Conc: 24.42 ng/ml



#20 AR-1242-5

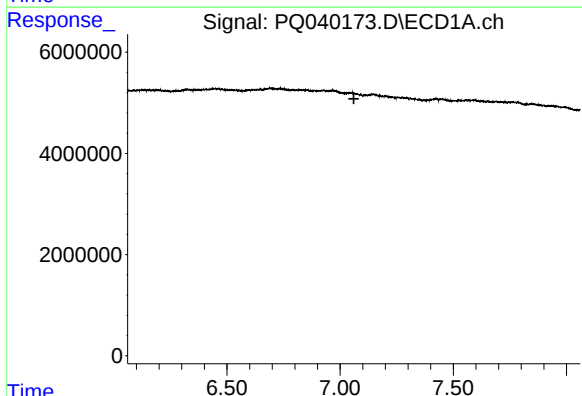
R.T.: 0.000 min  
Exp R.T.: 8.090 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



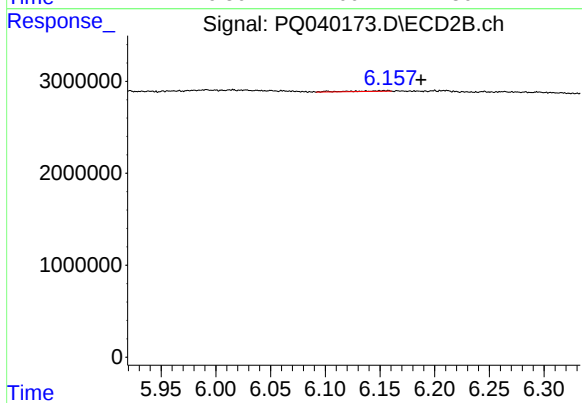
#20 AR-1242-5

R.T.: 7.174 min  
Delta R.T.: 0.036 min  
Response: 805746  
Conc: 10.00 ng/ml



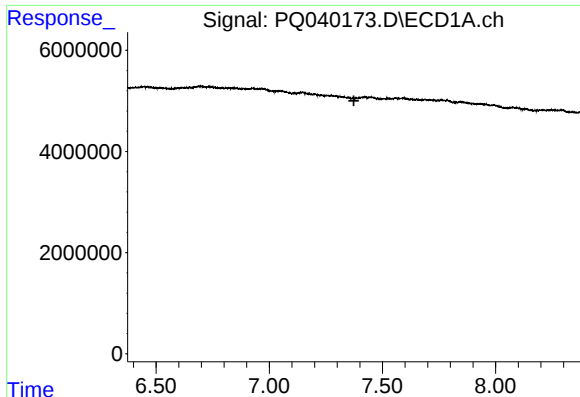
#21 AR-1248-1

R.T.: 0.000 min  
Exp R.T.: 7.061 min  
Response: 0  
Conc: N.D.



#21 AR-1248-1

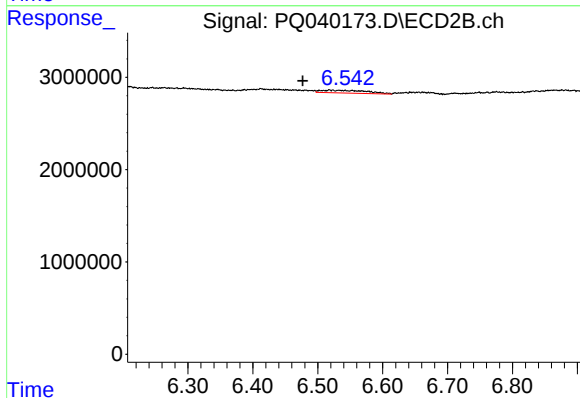
R.T.: 6.155 min  
Delta R.T.: -0.033 min  
Response: 106848  
Conc: 1.85 ng/ml



#22 AR-1248-2

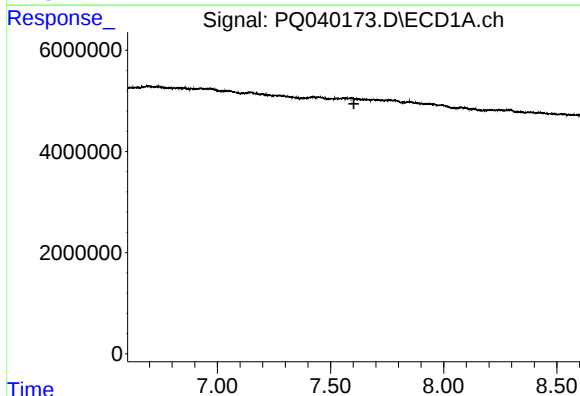
R.T.: 0.000 min  
Exp R.T.: 7.374 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



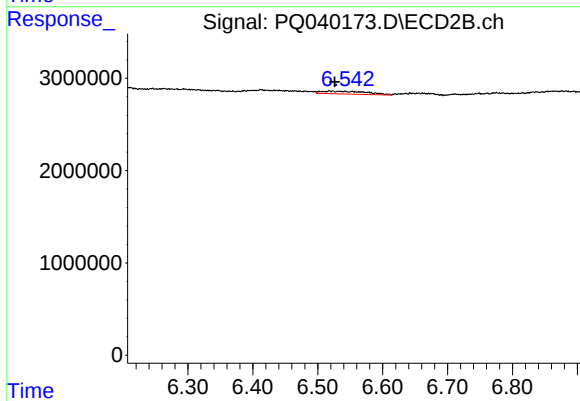
#22 AR-1248-2

R.T.: 6.519 min  
Delta R.T.: 0.042 min  
Response: 1455356  
Conc: 16.55 ng/ml



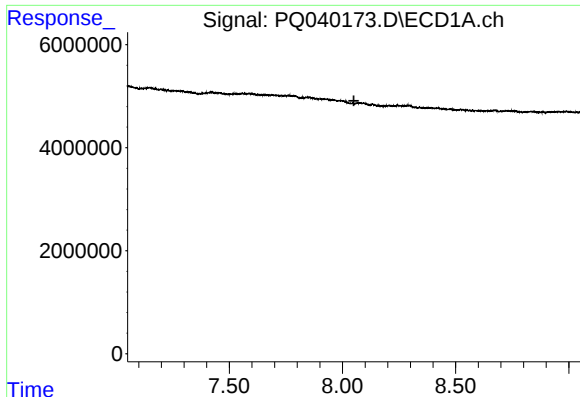
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T.: 7.603 min  
Response: 0  
Conc: N.D.



#23 AR-1248-3

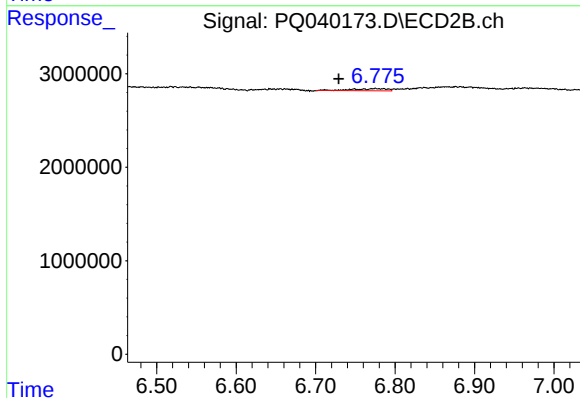
R.T.: 6.519 min  
Delta R.T.: -0.007 min  
Response: 1455356  
Conc: 16.08 ng/ml



#24 AR-1248-4

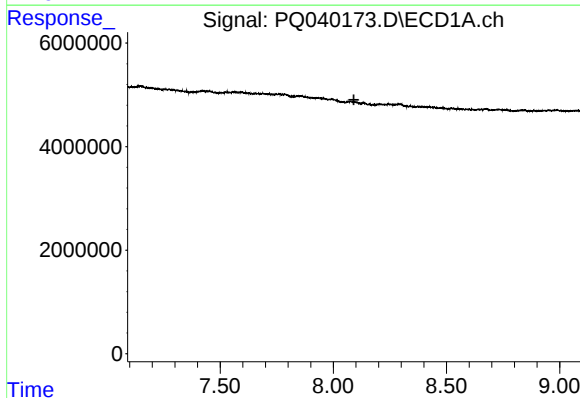
R.T.: 0.000 min  
Exp R.T.: 8.050 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



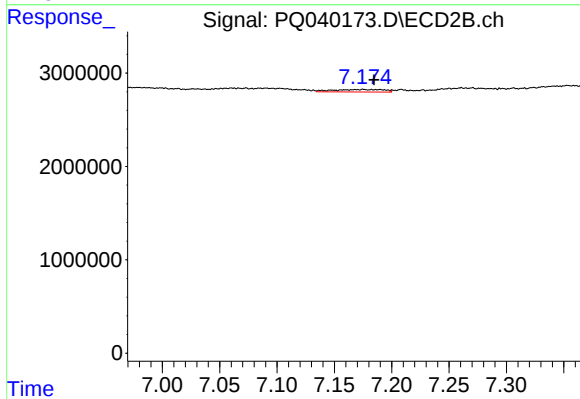
#24 AR-1248-4

R.T.: 6.775 min  
Delta R.T.: 0.046 min  
Response: 677841  
Conc: 6.14 ng/ml



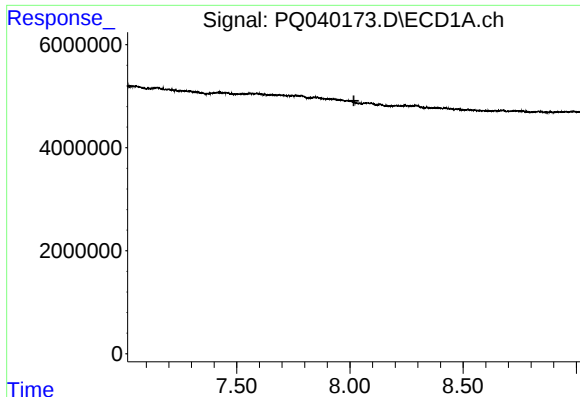
#25 AR-1248-5

R.T.: 0.000 min  
Exp R.T.: 8.091 min  
Response: 0  
Conc: N.D.



#25 AR-1248-5

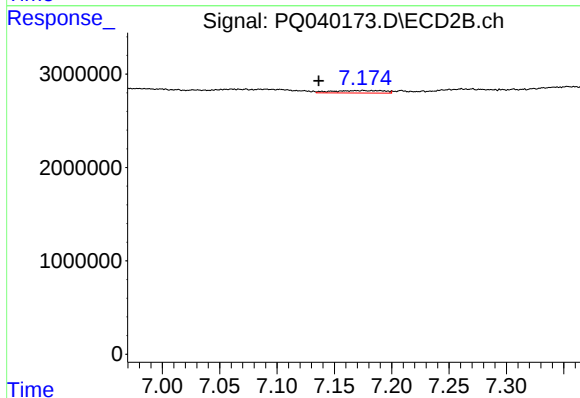
R.T.: 7.174 min  
Delta R.T.: -0.010 min  
Response: 805746  
Conc: 7.10 ng/ml



#26 AR-1254-1

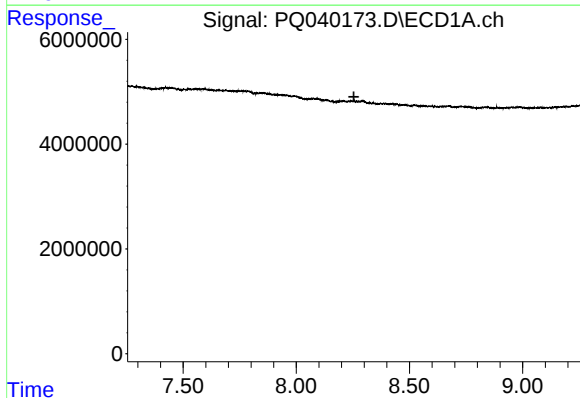
R.T.: 0.000 min  
Exp R.T.: 8.017 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



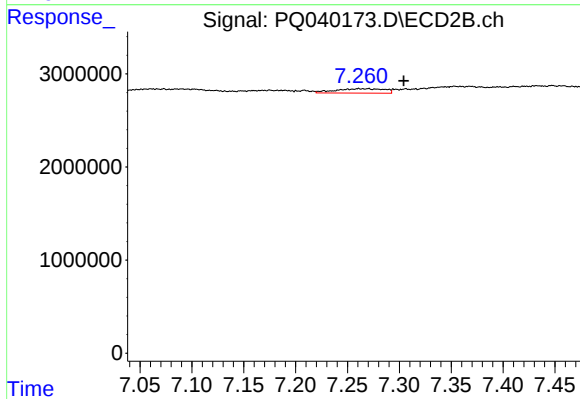
#26 AR-1254-1

R.T.: 7.174 min  
Delta R.T.: 0.038 min  
Response: 805746  
Conc: 4.21 ng/ml



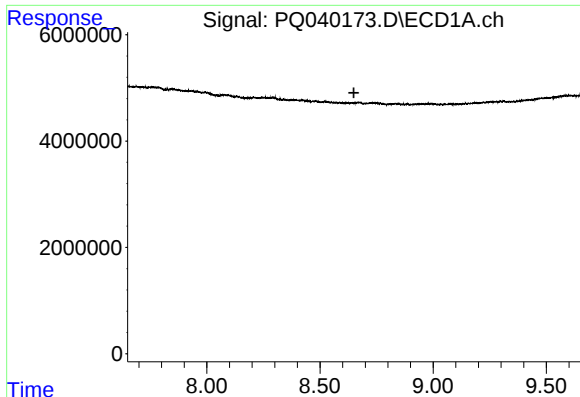
#27 AR-1254-2

R.T.: 0.000 min  
Exp R.T.: 8.254 min  
Response: 0  
Conc: N.D.



#27 AR-1254-2

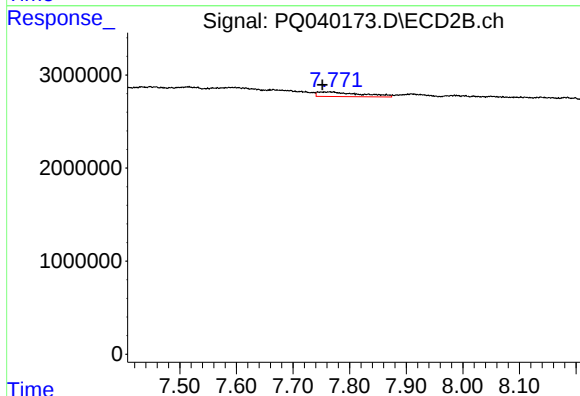
R.T.: 7.261 min  
Delta R.T.: -0.043 min  
Response: 1548967  
Conc: 8.92 ng/ml



#28 AR-1254-3

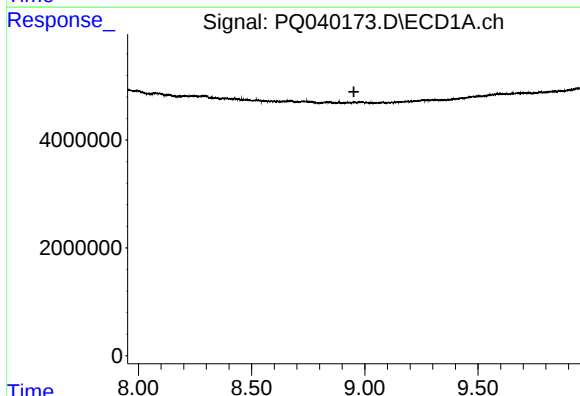
R.T.: 0.000 min  
Exp R.T.: 8.650 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



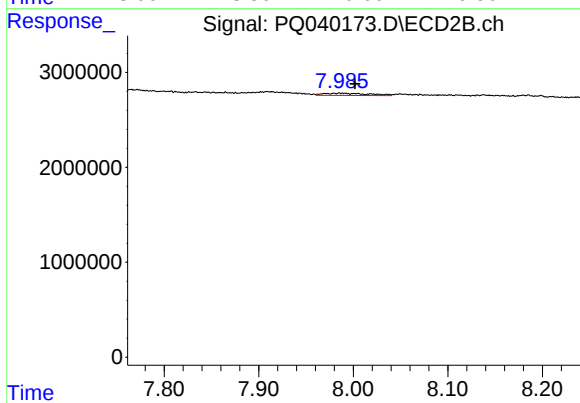
#28 AR-1254-3

R.T.: 7.765 min  
Delta R.T.: 0.013 min  
Response: 2652260  
Conc: 9.18 ng/ml



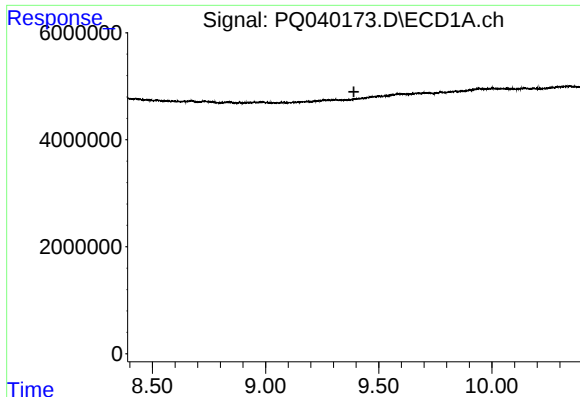
#29 AR-1254-4

R.T.: 0.000 min  
Exp R.T.: 8.952 min  
Response: 0  
Conc: N.D.



#29 AR-1254-4

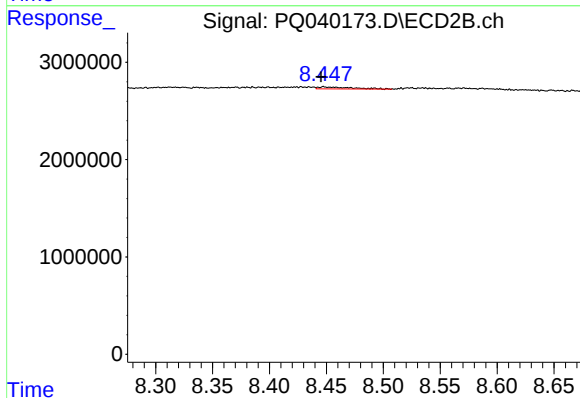
R.T.: 7.986 min  
Delta R.T.: -0.016 min  
Response: 762298  
Conc: 4.27 ng/ml



#30 AR-1254-5

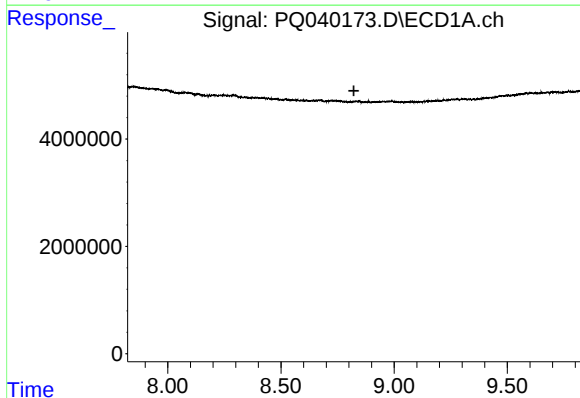
R.T.: 0.000 min  
Exp R.T.: 9.390 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



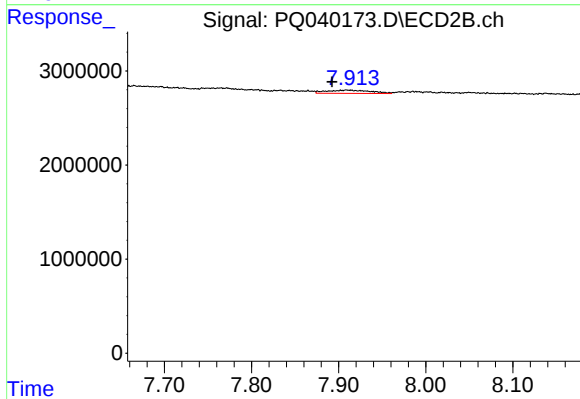
#30 AR-1254-5

R.T.: 8.448 min  
Delta R.T.: 0.002 min  
Response: 401486  
Conc: 1.56 ng/ml



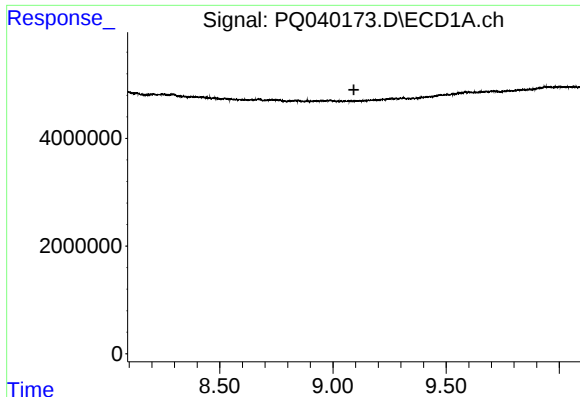
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T.: 8.822 min  
Response: 0  
Conc: N.D.



#31 AR-1260-1

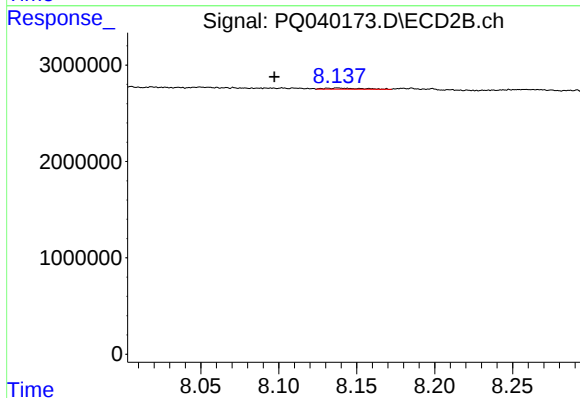
R.T.: 7.910 min  
Delta R.T.: 0.018 min  
Response: 1221153  
Conc: 4.45 ng/ml



#32 AR-1260-2

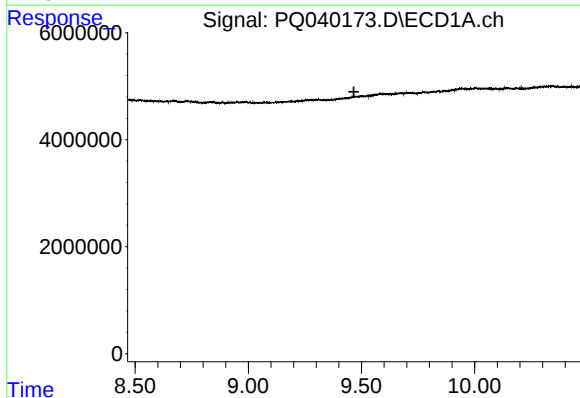
R.T.: 0.000 min  
Exp R.T.: 9.093 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



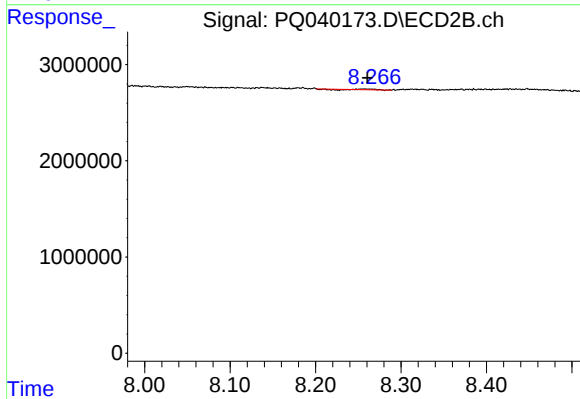
#32 AR-1260-2

R.T.: 8.138 min  
Delta R.T.: 0.041 min  
Response: 173243  
Conc: 0.50 ng/ml



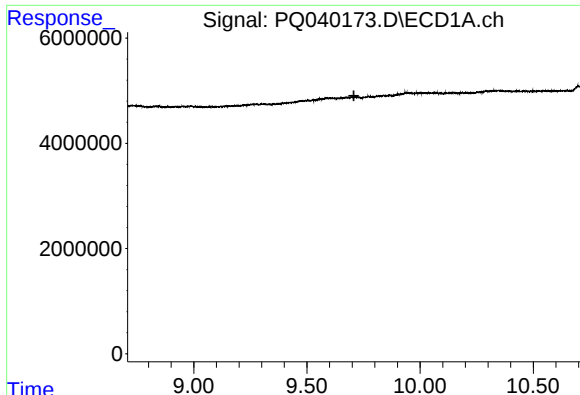
#33 AR-1260-3

R.T.: 0.000 min  
Exp R.T.: 9.467 min  
Response: 0  
Conc: N.D.



#33 AR-1260-3

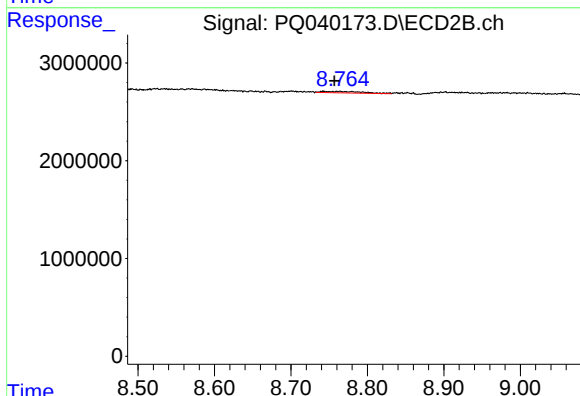
R.T.: 8.258 min  
Delta R.T.: -0.002 min  
Response: 51378  
Conc: 0.16 ng/ml



#34 AR-1260-4

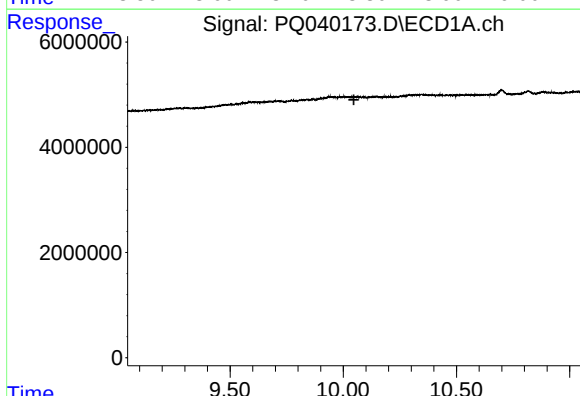
R.T.: 0.000 min  
Exp R.T.: 9.707 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



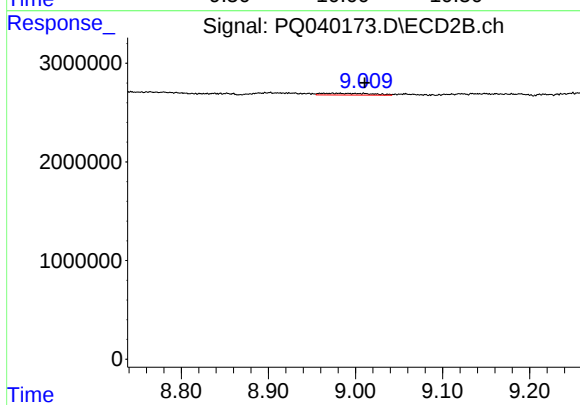
#34 AR-1260-4

R.T.: 8.743 min  
Delta R.T.: -0.014 min  
Response: 560805  
Conc: 2.06 ng/ml



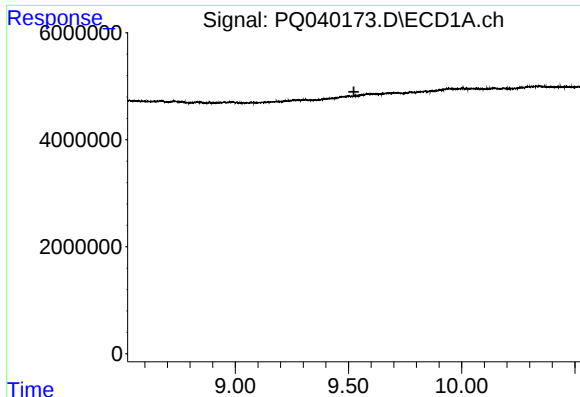
#35 AR-1260-5

R.T.: 0.000 min  
Exp R.T.: 10.047 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

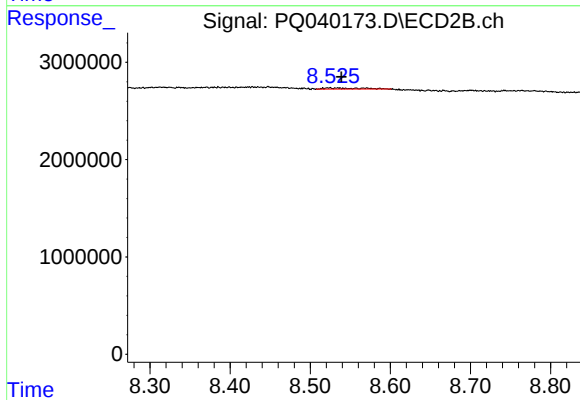
R.T.: 8.980 min  
Delta R.T.: -0.031 min  
Response: 689166  
Conc: 1.03 ng/ml



#36 AR-1262-1

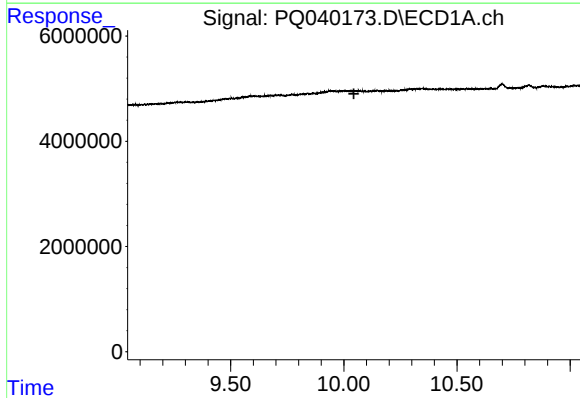
R.T.: 0.000 min  
Exp R.T.: 9.524 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



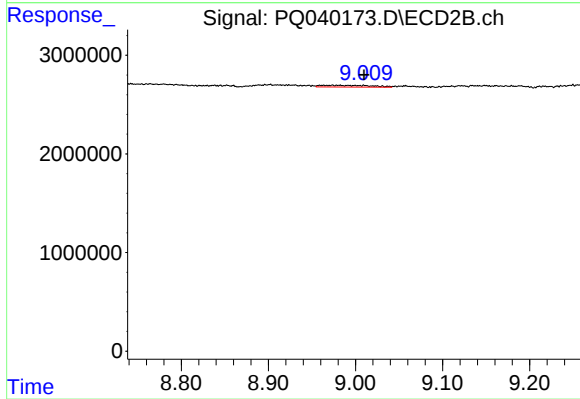
#36 AR-1262-1

R.T.: 8.523 min  
Delta R.T.: -0.016 min  
Response: 312744  
Conc: 2.75 ng/ml



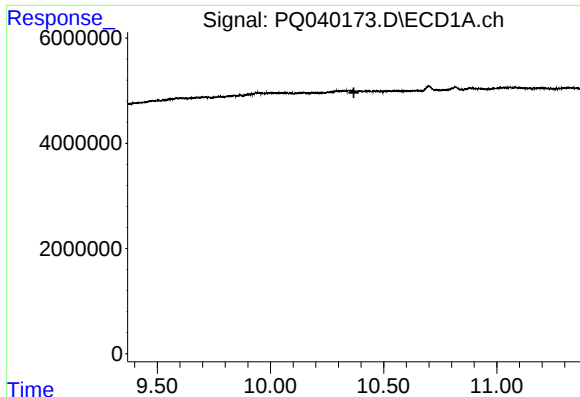
#37 AR-1262-2

R.T.: 0.000 min  
Exp R.T.: 10.045 min  
Response: 0  
Conc: N.D.



#37 AR-1262-2

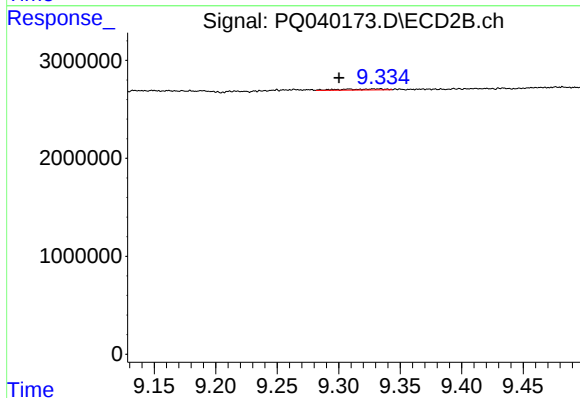
R.T.: 8.980 min  
Delta R.T.: -0.030 min  
Response: 689166  
Conc: 1.39 ng/ml



#38 AR-1262-3

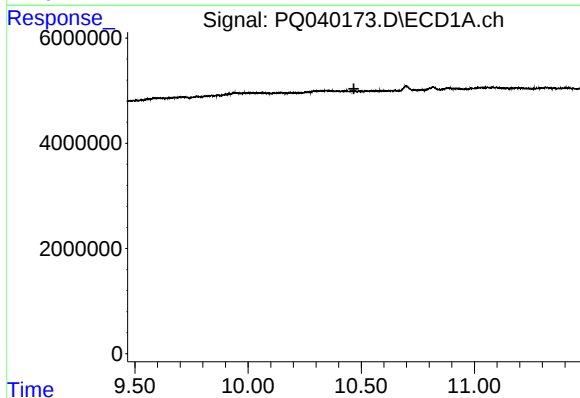
R.T.: 0.000 min  
Exp R.T.: 10.369 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



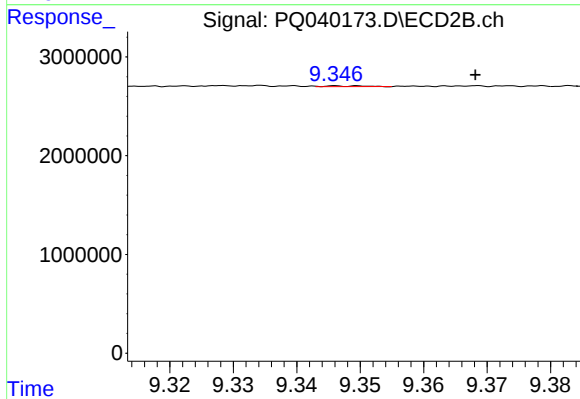
#38 AR-1262-3

R.T.: 9.308 min  
Delta R.T.: 0.008 min  
Response: 264220  
Conc: 1.26 ng/ml



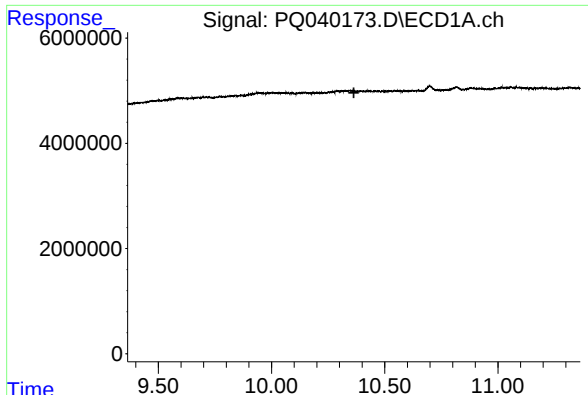
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T.: 10.467 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

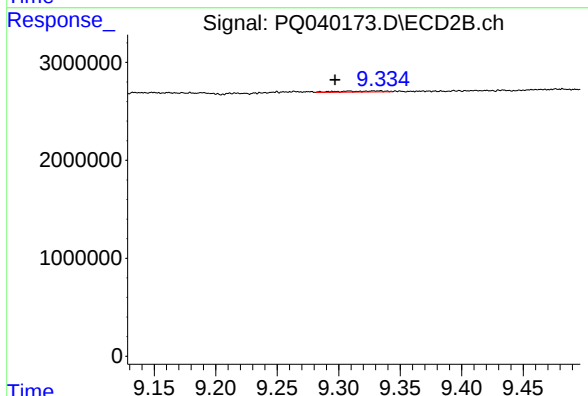
R.T.: 9.347 min  
Delta R.T.: -0.021 min  
Response: 29056  
Conc: 0.08 ng/ml



#41 AR-1268-1

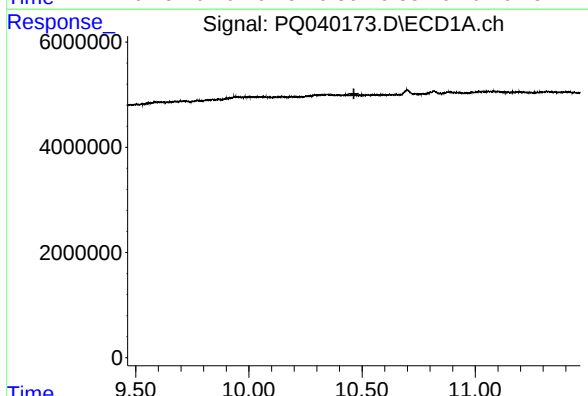
R.T.: 0.000 min  
Exp R.T.: 10.364 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



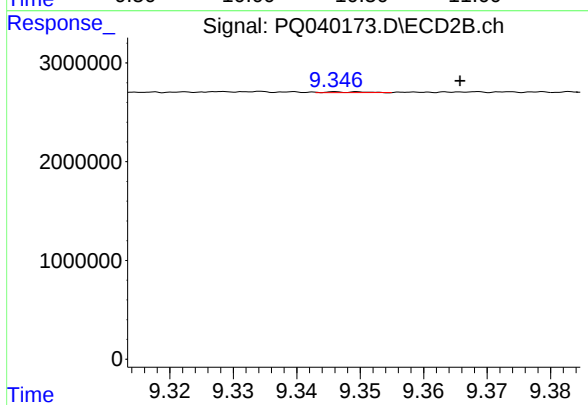
#41 AR-1268-1

R.T.: 9.308 min  
Delta R.T.: 0.011 min  
Response: 264220  
Conc: 0.58 ng/ml



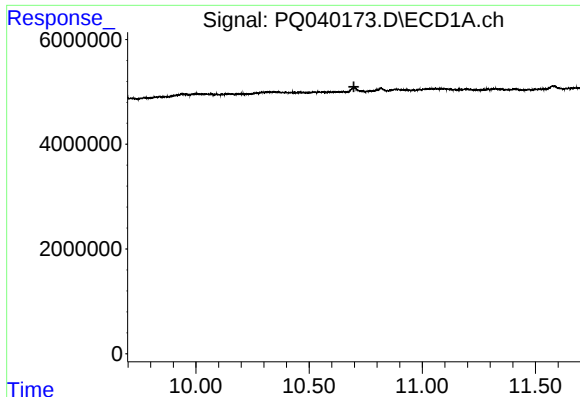
#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T.: 10.464 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

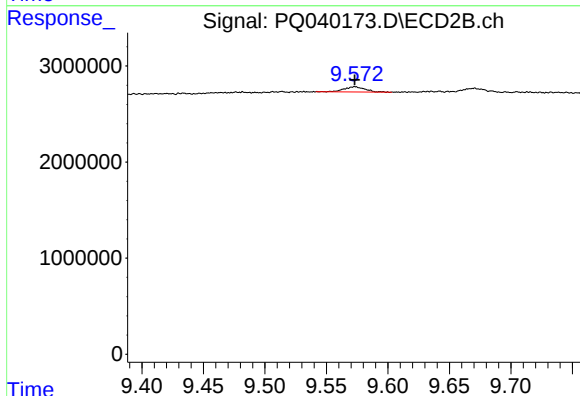
R.T.: 9.347 min  
Delta R.T.: -0.019 min  
Response: 29056  
Conc: 0.07 ng/ml



#43 AR-1268-3

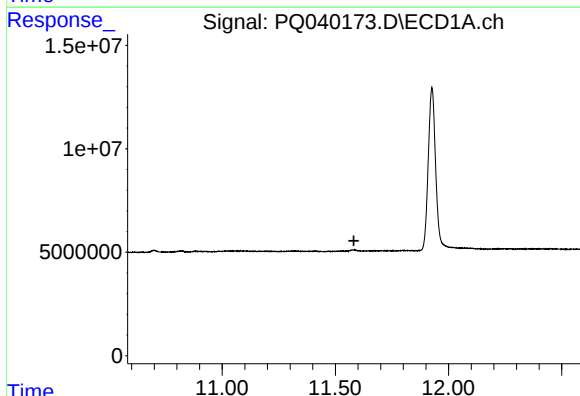
R.T.: 0.000 min  
Exp R.T.: 10.698 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
BFHA1



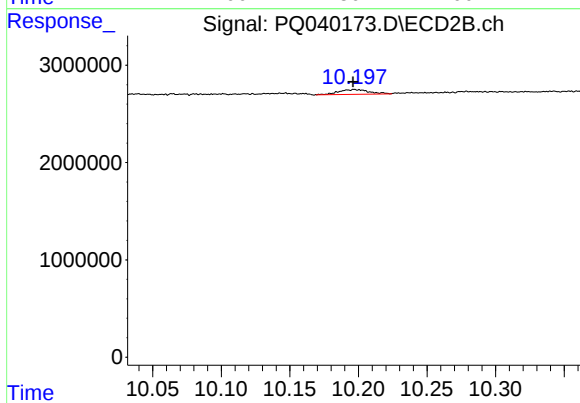
#43 AR-1268-3

R.T.: 9.573 min  
Delta R.T.: 0.000 min  
Response: 643831  
Conc: 1.72 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 11.582 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 10.197 min  
Delta R.T.: 0.001 min  
Response: 756679  
Conc: 0.64 ng/ml