

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ111419\  
 Data File : PQ045026.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Nov 2019 20:08  
 Operator : SM\AJ  
 Sample : K5824-19  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 C0AZ1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 15 03:39:43 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ110719CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Nov 08 03:35:55 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... | 5.101  | 4.307 | 117.5E6 | 74561436 | 14.806 | 15.813   |
| 2)                          | SA Decachlor... | 11.161 | 9.717 | 161.4E6 | 160.1E6  | 23.304 | 23.601   |
|                             |                 |        |       |         |          |        |          |
| Target Compounds            |                 |        |       |         |          |        |          |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.852 | 0       | 1196523  | N.D.   | 9.271 #  |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.852 | 0       | 1196523  | N.D.   | 11.019 # |
| 7)                          | L1 AR-1016-5    | 0.000  | 6.083 | 0       | 514748   | N.D.   | 3.369 #  |
| 8)                          | L2 AR-1221-1    | 0.000  | 4.636 | 0       | 1403929  | N.D.   | 26.174 # |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.671 | 0       | 991554   | N.D.   | 25.115 # |
| 10)                         | L2 AR-1221-3    | 0.000  | 4.816 | 0       | 409499   | N.D.   | 3.133 #  |
| 11)                         | L3 AR-1232-1    | 0.000  | 4.816 | 0       | 409499   | N.D.   | 3.550 #  |
| 13)                         | L3 AR-1232-3    | 0.000  | 5.852 | 0       | 1196523  | N.D.   | 20.205 # |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.899 | 0       | 1467035  | N.D.   | 24.404 # |
| 15)                         | L3 AR-1232-5    | 6.711  | 6.083 | 1484266 | 514748   | 22.374 | 7.067 #  |
| 18)                         | L4 AR-1242-3    | 0.000  | 5.852 | 0       | 1196523  | N.D.   | 10.765 # |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.899 | 0       | 1467035  | N.D.   | 12.303 # |
| 20)                         | L4 AR-1242-5    | 0.000  | 6.468 | 0       | 2211702  | N.D.   | 13.469 # |
| 22)                         | L5 AR-1248-2    | 6.711  | 5.852 | 1484266 | 1196523  | 6.060  | 7.029    |
| 23)                         | L5 AR-1248-3    | 0.000  | 5.899 | 0       | 1467035  | N.D.   | 8.203 #  |
| 24)                         | L5 AR-1248-4    | 7.321  | 6.083 | 2209682 | 514748   | 7.296  | 2.365 #  |
| 25)                         | L5 AR-1248-5    | 0.000  | 6.515 | 0       | 648837   | N.D.   | 2.910 #  |
| 26)                         | L6 AR-1254-1    | 7.321  | 6.468 | 2209682 | 2211702  | 6.829  | 6.080    |
| 27)                         | L6 AR-1254-2    | 7.551  | 6.625 | 3884685 | 2685228  | 7.824  | 8.337    |
| 28)                         | L6 AR-1254-3    | 7.933  | 7.053 | 5300345 | 8338504  | 9.958  | 15.033 # |
| 29)                         | L6 AR-1254-4    | 8.225  | 7.291 | 4123935 | 5558883  | 10.676 | 15.553 # |
| 30)                         | L6 AR-1254-5    | 8.655  | 7.724 | 3964053 | 7098448  | 9.176  | 14.196 # |
| 31)                         | L7 AR-1260-1    | 8.101  | 7.188 | 2893990 | 5292261  | 9.266  | 17.274 # |
| 32)                         | L7 AR-1260-2    | 8.363  | 7.383 | 2620463 | 4342686  | 6.400  | 10.998 # |
| 33)                         | L7 AR-1260-3    | 8.790  | 7.543 | 1364717 | 2827614  | 4.180  | 8.254 #  |
| 34)                         | L7 AR-1260-4    | 8.957  | 8.028 | 2206383 | 1225176  | 5.802  | 3.995 #  |
| 35)                         | L7 AR-1260-5    | 0.000  | 8.275 | 0       | 2050435  | N.D.   | 2.620 #  |
| 36)                         | L8 AR-1262-1    | 8.790  | 7.724 | 1364717 | 7098448  | 6.542  | 28.047 # |
| 37)                         | L8 AR-1262-2    | 0.000  | 8.275 | 0       | 2050435  | N.D.   | 2.078 #  |
| 38)                         | L8 AR-1262-3    | 9.638  | 8.563 | 2024340 | 3133518  | 3.319  | 8.132 #  |
| 39)                         | L8 AR-1262-4    | 0.000  | 8.632 | 0       | 2118234  | N.D.   | 2.875 #  |
| 41)                         | L9 AR-1268-1    | 9.638  | 8.563 | 2024340 | 3133518  | 1.813  | 2.606 #  |
| 42)                         | L9 AR-1268-2    | 0.000  | 8.632 | 0       | 2118234  | N.D.   | 1.902 #  |
| 43)                         | L9 AR-1268-3    | 0.000  | 8.838 | 0       | 1901366  | N.D.   | 2.044 #  |
| 45)                         | L9 AR-1268-5    | 0.000  | 9.450 | 0       | 1722572  | N.D.   | 0.570 #  |
| -----                       |                 |        |       |         |          |        |          |

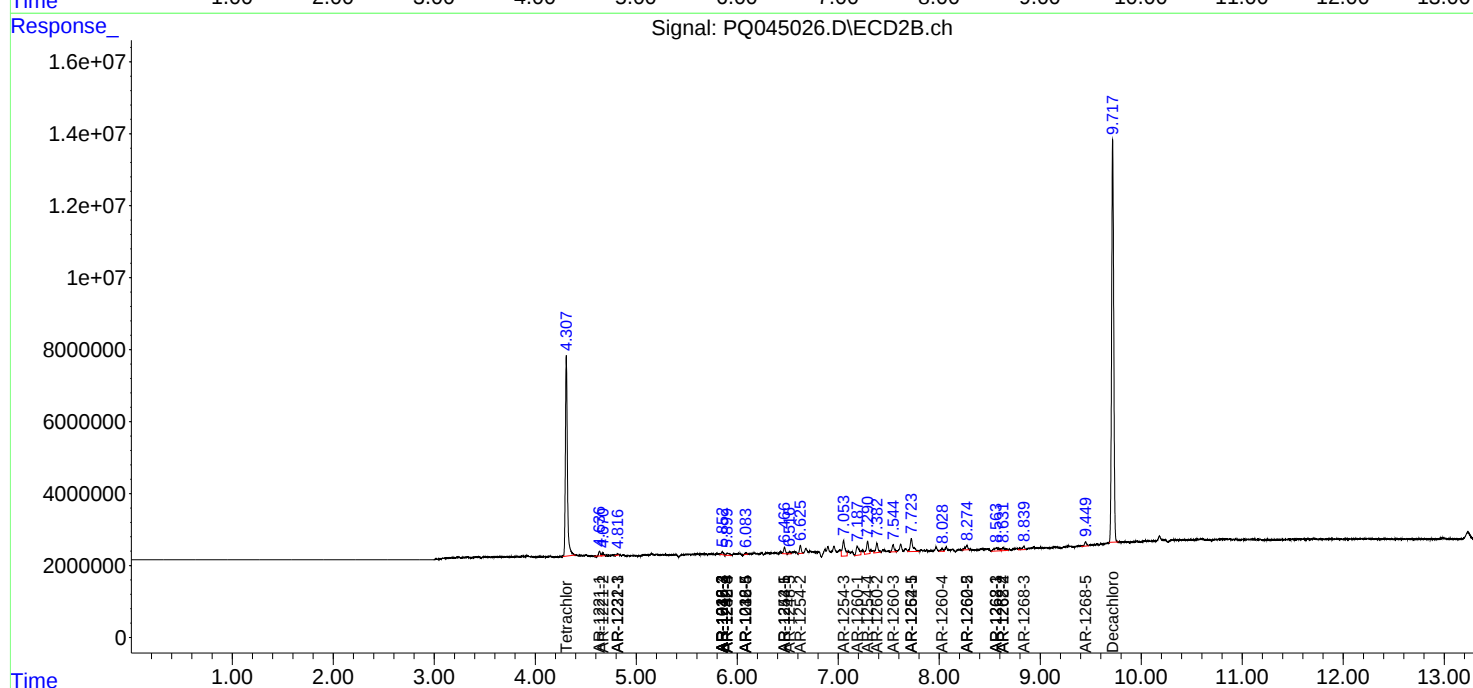
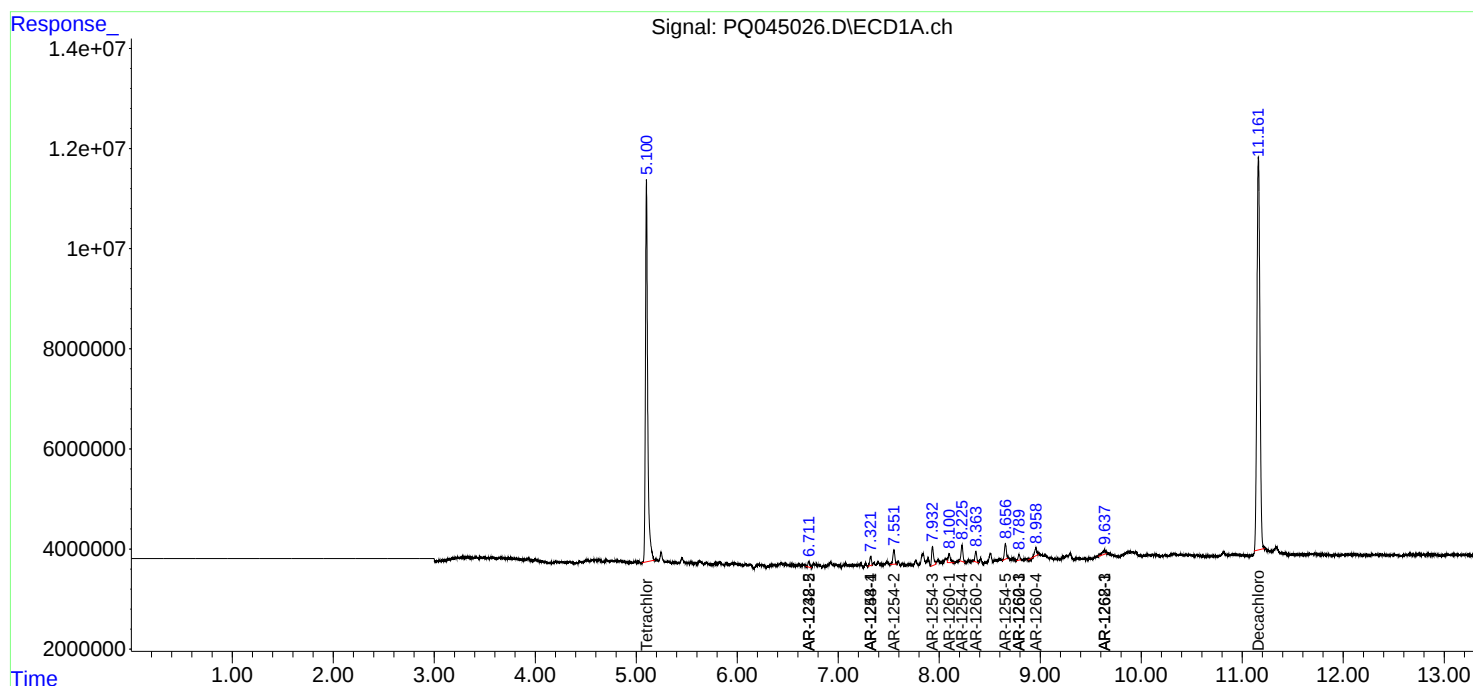
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

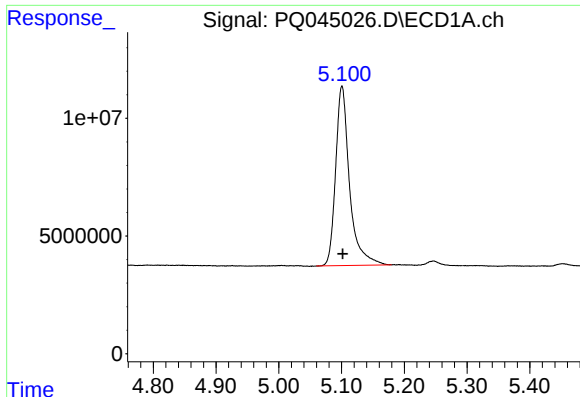
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ111419\  
Data File : PQ045026.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Nov 2019 20:08  
Operator : SM\AJ  
Sample : K5824-19  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 15 03:39:43 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ110719CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Nov 08 03:35:55 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

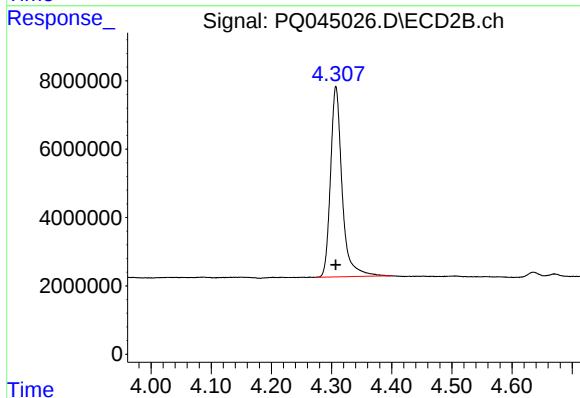




#1 Tetrachloro-m-xylene

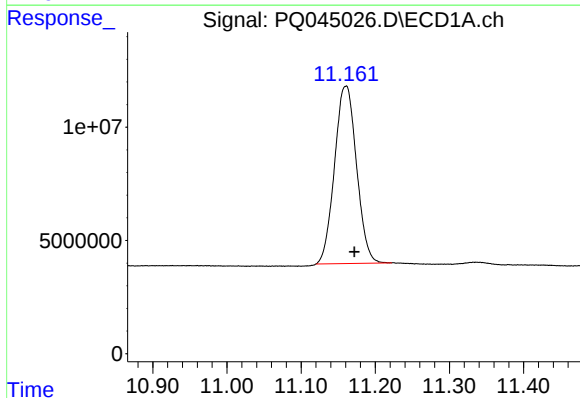
R.T.: 5.101 min  
Delta R.T.: -0.001 min  
Response: 117531078  
Conc: 14.81 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



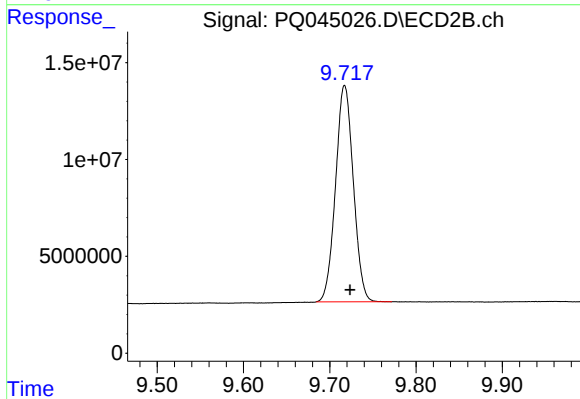
#1 Tetrachloro-m-xylene

R.T.: 4.307 min  
Delta R.T.: 0.000 min  
Response: 74561436  
Conc: 15.81 ng/ml



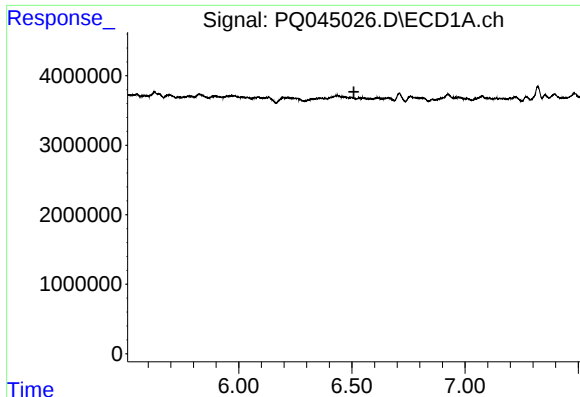
#2 Decachlorobiphenyl

R.T.: 11.161 min  
Delta R.T.: -0.011 min  
Response: 161403751  
Conc: 23.30 ng/ml



#2 Decachlorobiphenyl

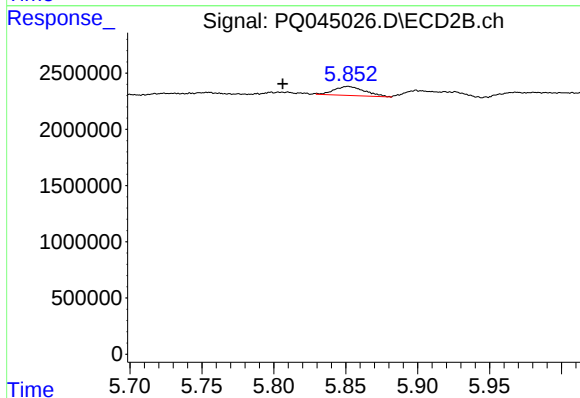
R.T.: 9.717 min  
Delta R.T.: -0.006 min  
Response: 160138353  
Conc: 23.60 ng/ml



#5 AR-1016-3

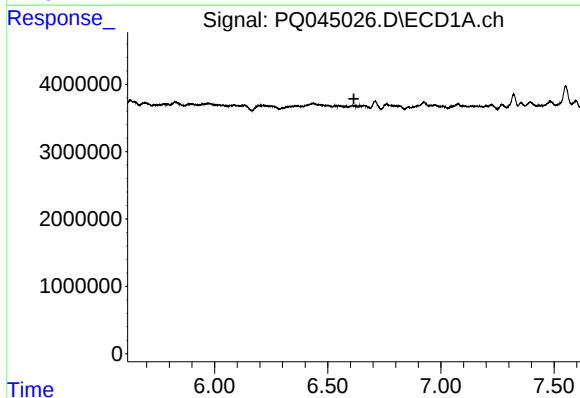
R.T.: 0.000 min  
Exp R.T.: 6.509 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



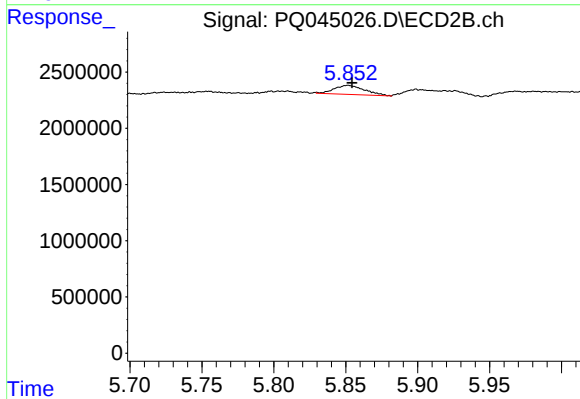
#5 AR-1016-3

R.T.: 5.852 min  
Delta R.T.: 0.045 min  
Response: 1196523  
Conc: 9.27 ng/ml



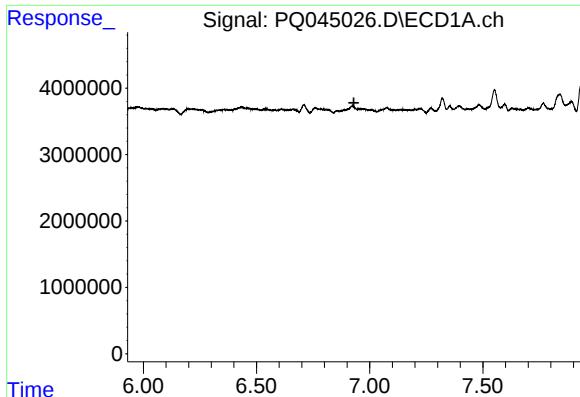
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 6.615 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

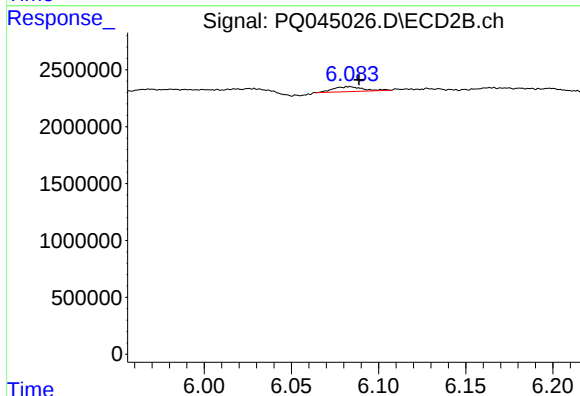
R.T.: 5.852 min  
Delta R.T.: -0.003 min  
Response: 1196523  
Conc: 11.02 ng/ml



#7 AR-1016-5

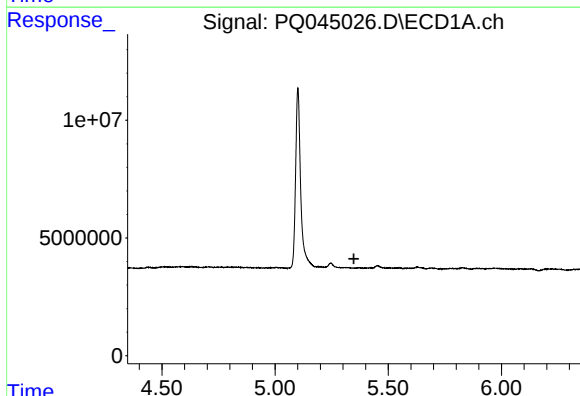
R.T.: 0.000 min  
Exp R.T.: 6.930 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



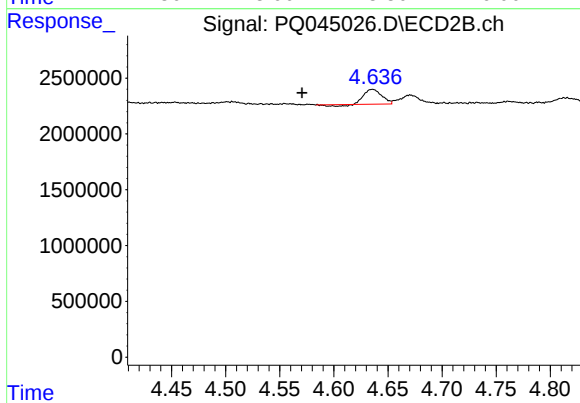
#7 AR-1016-5

R.T.: 6.083 min  
Delta R.T.: -0.005 min  
Response: 514748  
Conc: 3.37 ng/ml



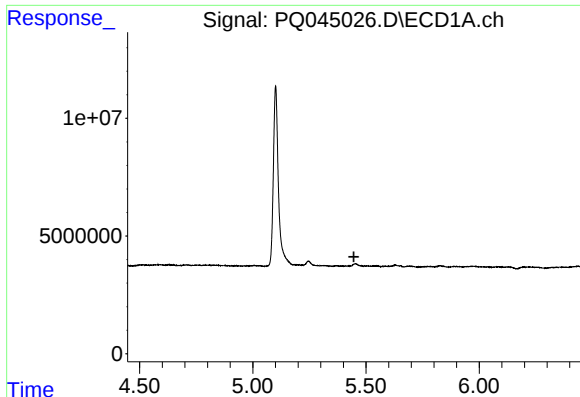
#8 AR-1221-1

R.T.: 0.000 min  
Exp R.T.: 5.348 min  
Response: 0  
Conc: N.D.



#8 AR-1221-1

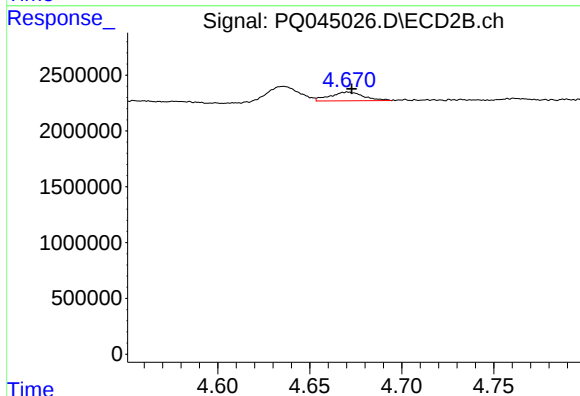
R.T.: 4.636 min  
Delta R.T.: 0.065 min  
Response: 1403929  
Conc: 26.17 ng/ml



#9 AR-1221-2

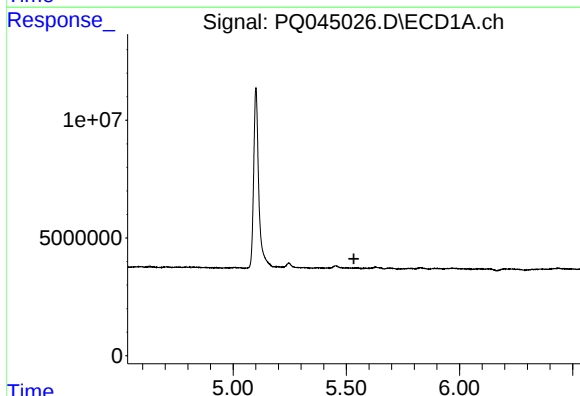
R.T.: 0.000 min  
Exp R.T.: 5.446 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



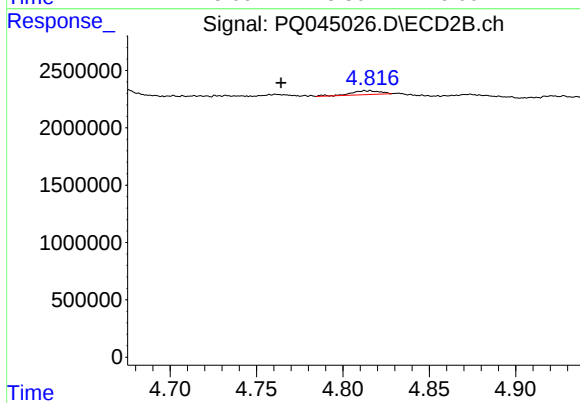
#9 AR-1221-2

R.T.: 4.671 min  
Delta R.T.: -0.002 min  
Response: 991554  
Conc: 25.12 ng/ml



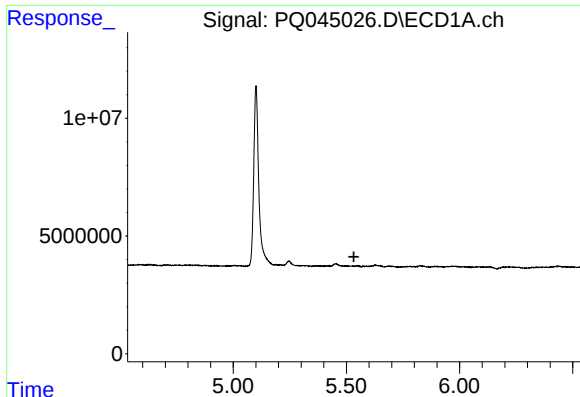
#10 AR-1221-3

R.T.: 0.000 min  
Exp R.T.: 5.533 min  
Response: 0  
Conc: N.D.



#10 AR-1221-3

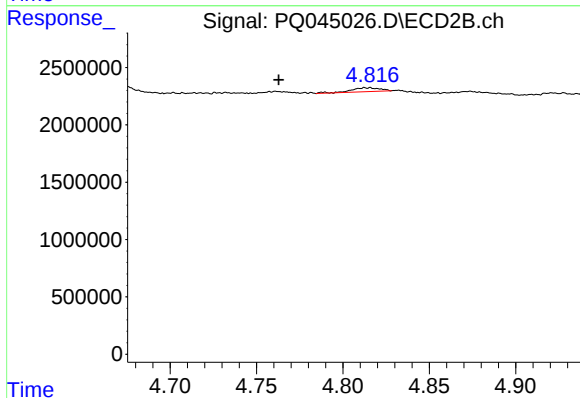
R.T.: 4.816 min  
Delta R.T.: 0.052 min  
Response: 409499  
Conc: 3.13 ng/ml



#11 AR-1232-1

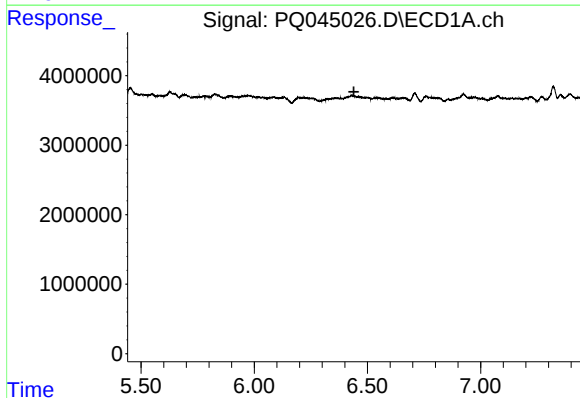
R.T.: 0.000 min  
Exp R.T.: 5.533 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



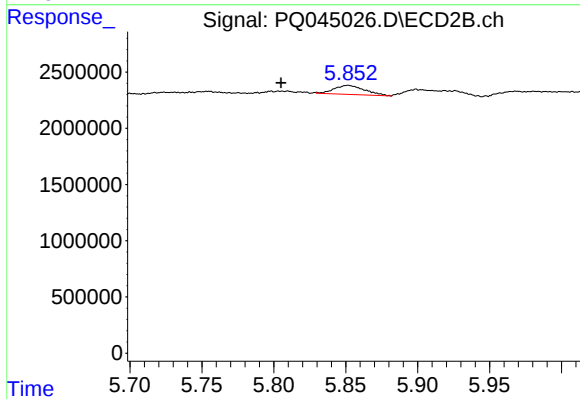
#11 AR-1232-1

R.T.: 4.816 min  
Delta R.T.: 0.053 min  
Response: 409499  
Conc: 3.55 ng/ml



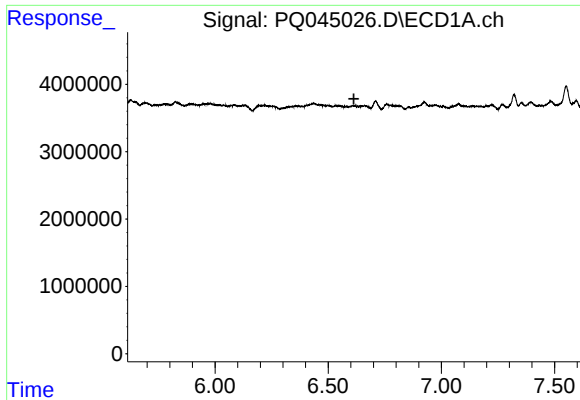
#13 AR-1232-3

R.T.: 0.000 min  
Exp R.T.: 6.440 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

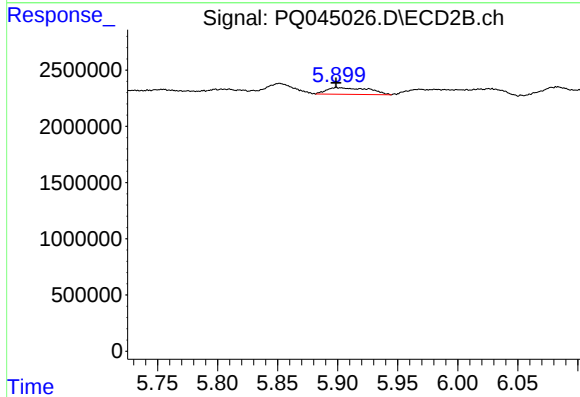
R.T.: 5.852 min  
Delta R.T.: 0.047 min  
Response: 1196523  
Conc: 20.20 ng/ml



#14 AR-1232-4

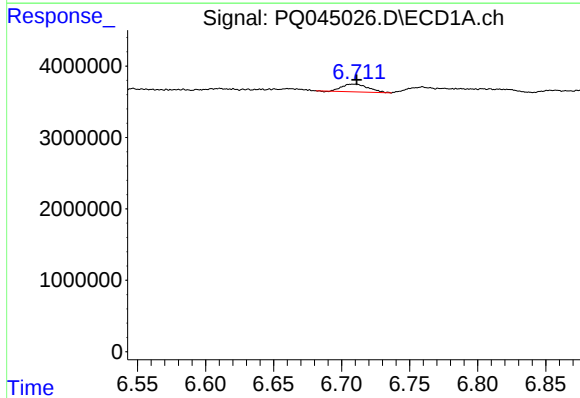
R.T.: 0.000 min  
Exp R.T.: 6.614 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



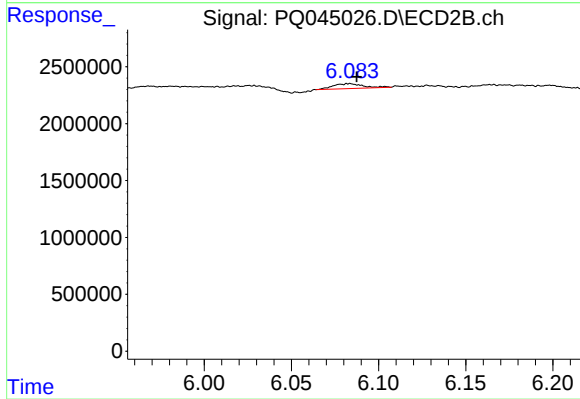
#14 AR-1232-4

R.T.: 5.899 min  
Delta R.T.: 0.000 min  
Response: 1467035  
Conc: 24.40 ng/ml



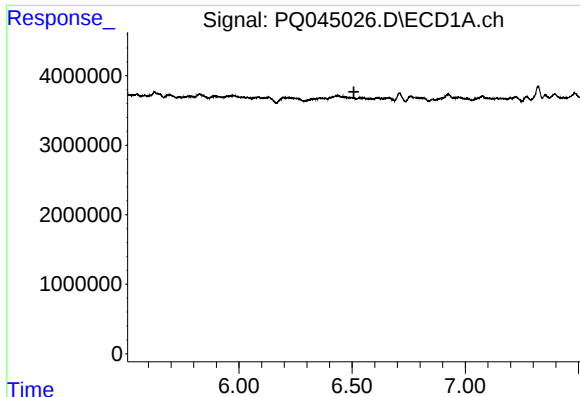
#15 AR-1232-5

R.T.: 6.711 min  
Delta R.T.: 0.000 min  
Response: 1484266  
Conc: 22.37 ng/ml



#15 AR-1232-5

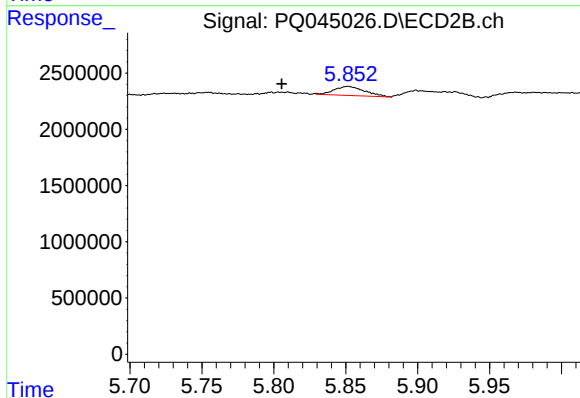
R.T.: 6.083 min  
Delta R.T.: -0.004 min  
Response: 514748  
Conc: 7.07 ng/ml



#18 AR-1242-3

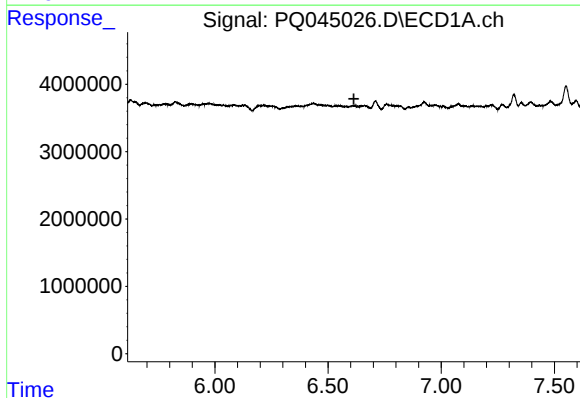
R.T.: 0.000 min  
Exp R.T.: 6.508 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



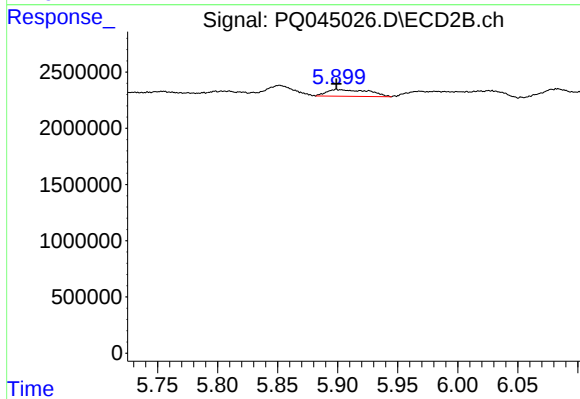
#18 AR-1242-3

R.T.: 5.852 min  
Delta R.T.: 0.046 min  
Response: 1196523  
Conc: 10.77 ng/ml



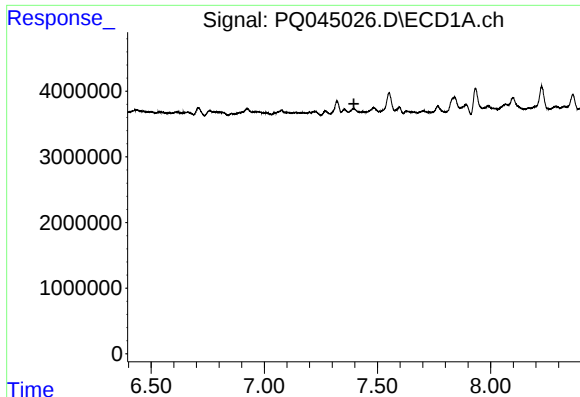
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 6.614 min  
Response: 0  
Conc: N.D.



#19 AR-1242-4

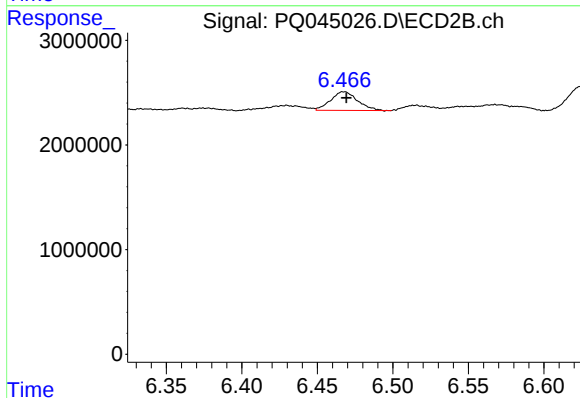
R.T.: 5.899 min  
Delta R.T.: 0.000 min  
Response: 1467035  
Conc: 12.30 ng/ml



#20 AR-1242-5

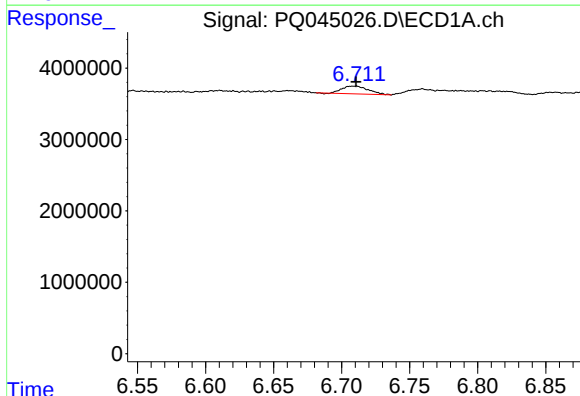
R.T.: 0.000 min  
Exp R.T.: 7.396 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



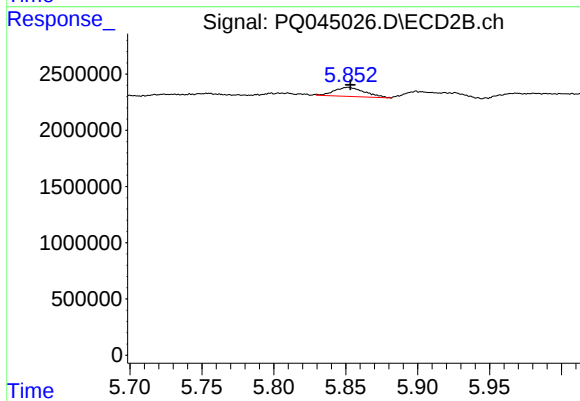
#20 AR-1242-5

R.T.: 6.468 min  
Delta R.T.: -0.002 min  
Response: 2211702  
Conc: 13.47 ng/ml



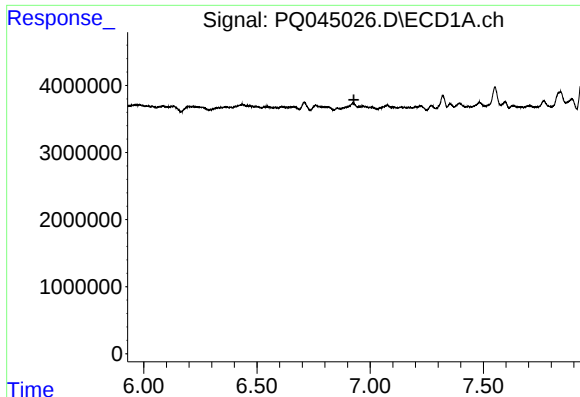
#22 AR-1248-2

R.T.: 6.711 min  
Delta R.T.: 0.000 min  
Response: 1484266  
Conc: 6.06 ng/ml



#22 AR-1248-2

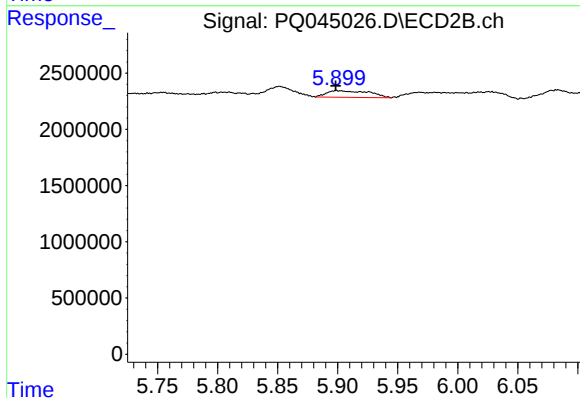
R.T.: 5.852 min  
Delta R.T.: -0.002 min  
Response: 1196523  
Conc: 7.03 ng/ml



#23 AR-1248-3

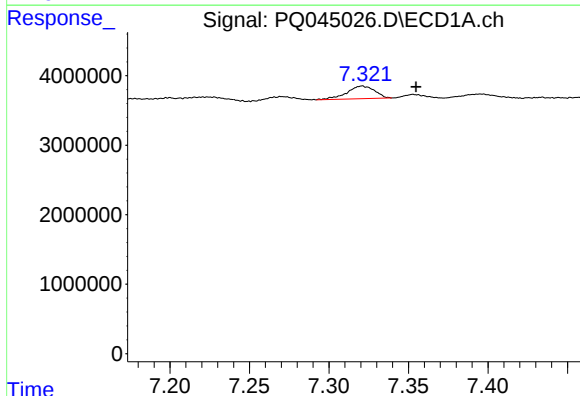
R.T.: 0.000 min  
Exp R.T.: 6.928 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



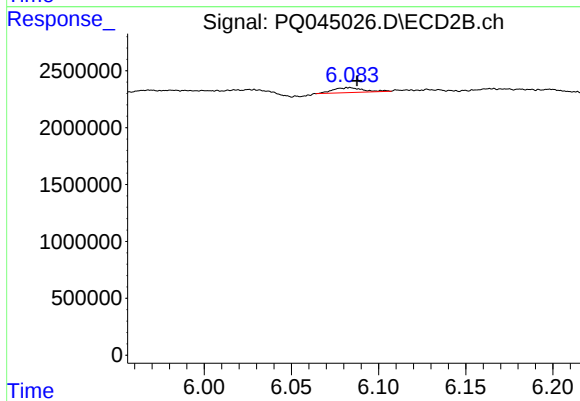
#23 AR-1248-3

R.T.: 5.899 min  
Delta R.T.: 0.000 min  
Response: 1467035  
Conc: 8.20 ng/ml



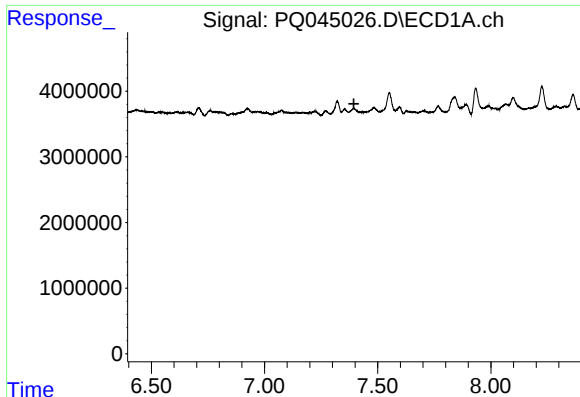
#24 AR-1248-4

R.T.: 7.321 min  
Delta R.T.: -0.034 min  
Response: 2209682  
Conc: 7.30 ng/ml



#24 AR-1248-4

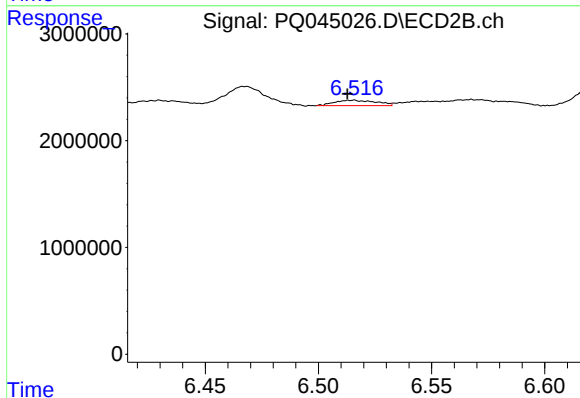
R.T.: 6.083 min  
Delta R.T.: -0.004 min  
Response: 514748  
Conc: 2.36 ng/ml



#25 AR-1248-5

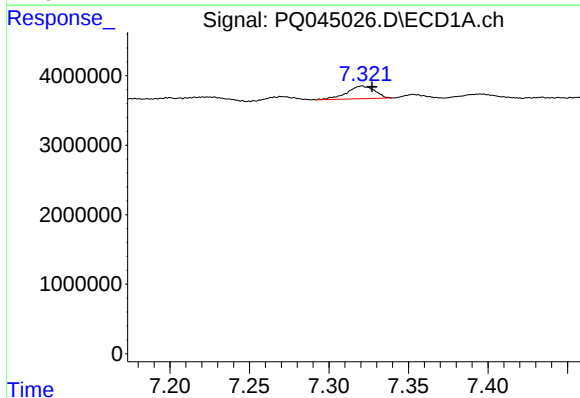
R.T.: 0.000 min  
Exp R.T.: 7.395 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



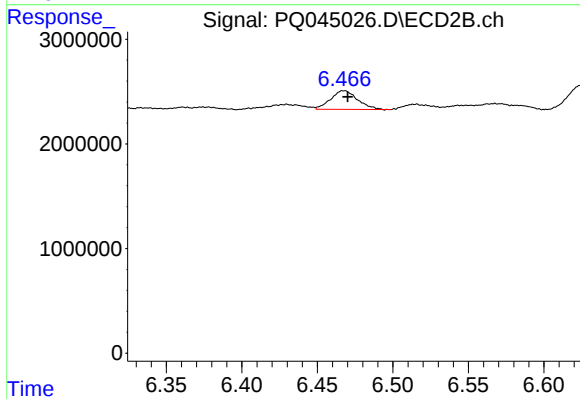
#25 AR-1248-5

R.T.: 6.515 min  
Delta R.T.: 0.002 min  
Response: 648837  
Conc: 2.91 ng/ml



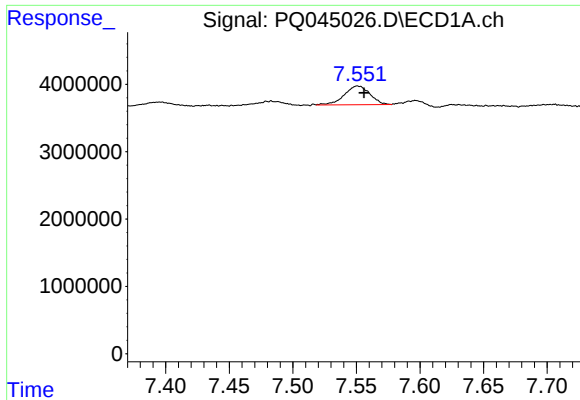
#26 AR-1254-1

R.T.: 7.321 min  
Delta R.T.: -0.006 min  
Response: 2209682  
Conc: 6.83 ng/ml



#26 AR-1254-1

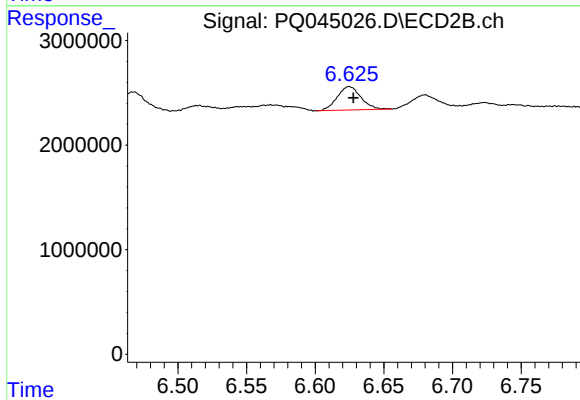
R.T.: 6.468 min  
Delta R.T.: -0.002 min  
Response: 2211702  
Conc: 6.08 ng/ml



#27 AR-1254-2

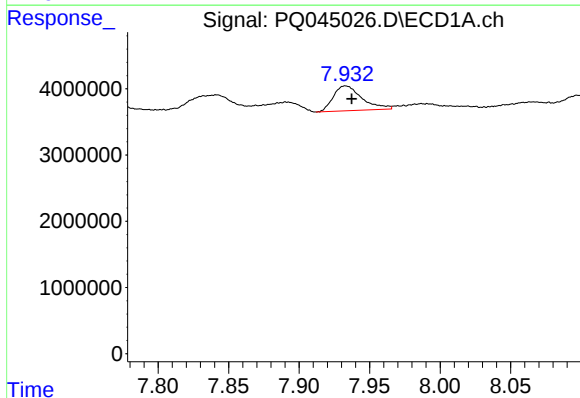
R.T.: 7.551 min  
Delta R.T.: -0.005 min  
Response: 3884685  
Conc: 7.82 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



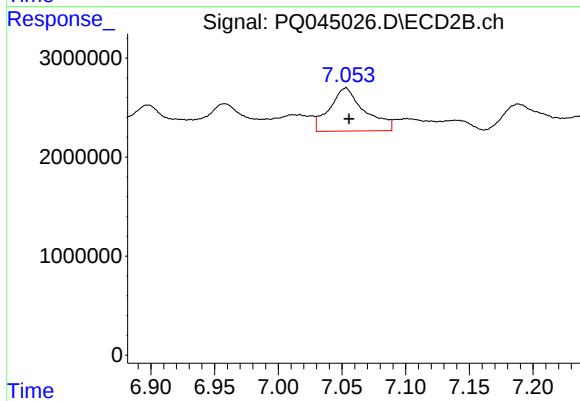
#27 AR-1254-2

R.T.: 6.625 min  
Delta R.T.: -0.003 min  
Response: 2685228  
Conc: 8.34 ng/ml



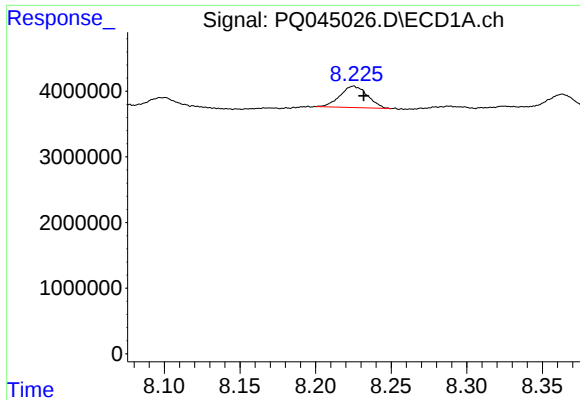
#28 AR-1254-3

R.T.: 7.933 min  
Delta R.T.: -0.004 min  
Response: 5300345  
Conc: 9.96 ng/ml



#28 AR-1254-3

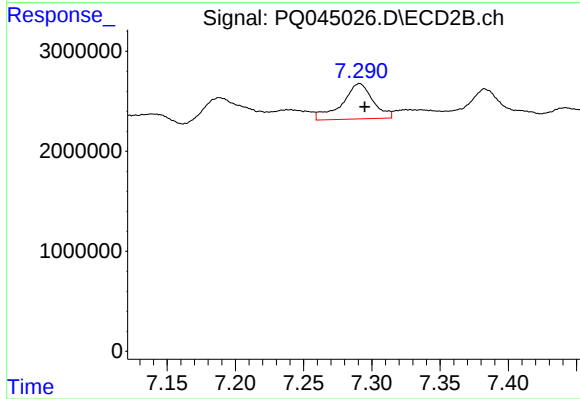
R.T.: 7.053 min  
Delta R.T.: -0.003 min  
Response: 8338504  
Conc: 15.03 ng/ml



#29 AR-1254-4

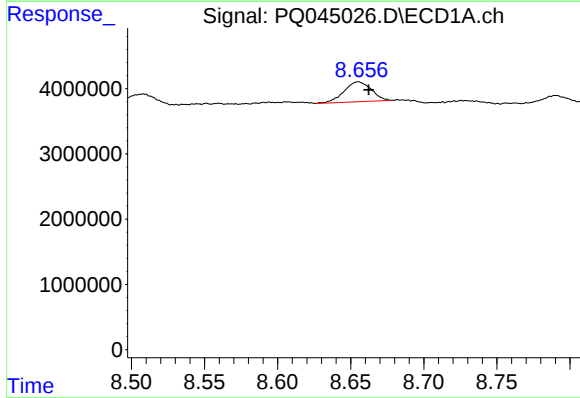
R.T.: 8.225 min  
Delta R.T.: -0.007 min  
Response: 4123935  
Conc: 10.68 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



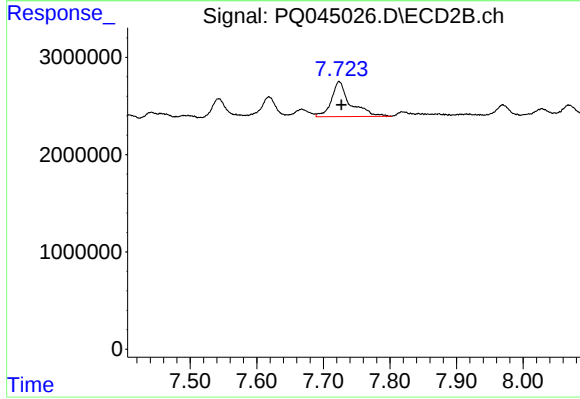
#29 AR-1254-4

R.T.: 7.291 min  
Delta R.T.: -0.004 min  
Response: 5558883  
Conc: 15.55 ng/ml



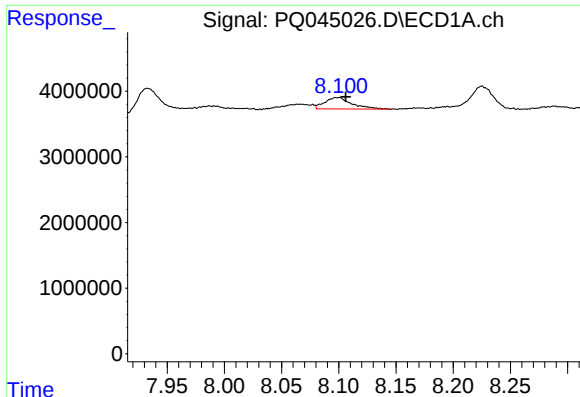
#30 AR-1254-5

R.T.: 8.655 min  
Delta R.T.: -0.007 min  
Response: 3964053  
Conc: 9.18 ng/ml



#30 AR-1254-5

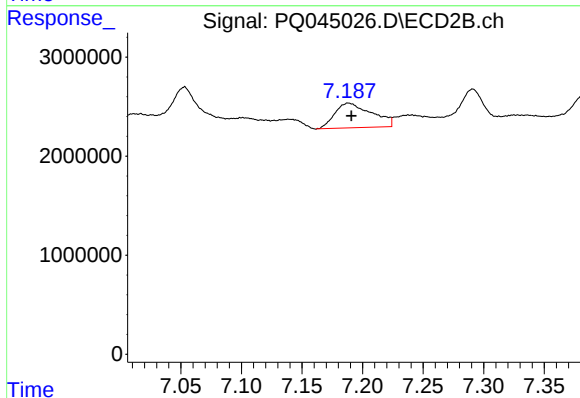
R.T.: 7.724 min  
Delta R.T.: -0.004 min  
Response: 7098448  
Conc: 14.20 ng/ml



#31 AR-1260-1

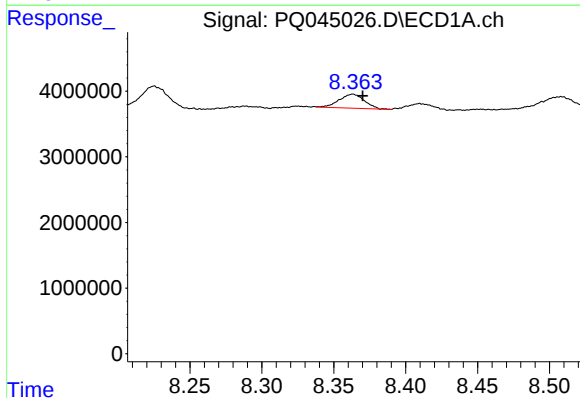
R.T.: 8.101 min  
Delta R.T.: -0.006 min  
Response: 2893990  
Conc: 9.27 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



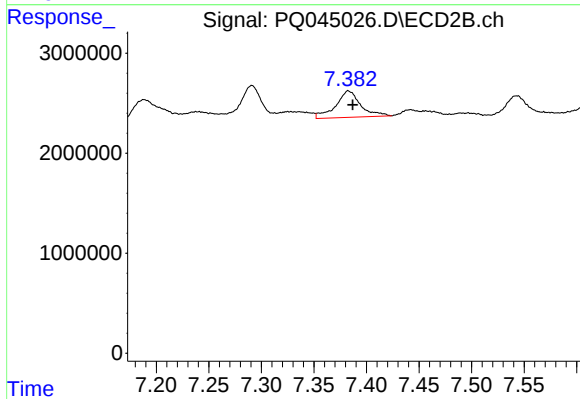
#31 AR-1260-1

R.T.: 7.188 min  
Delta R.T.: -0.002 min  
Response: 5292261  
Conc: 17.27 ng/ml



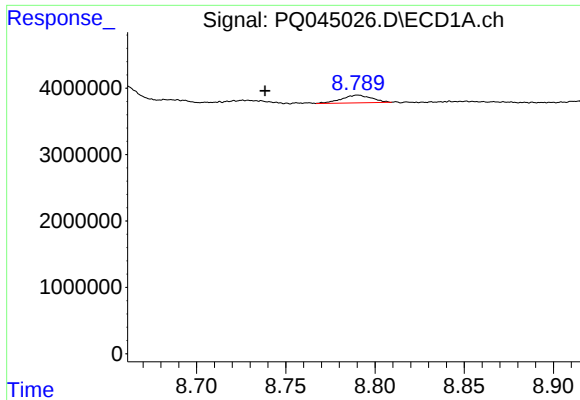
#32 AR-1260-2

R.T.: 8.363 min  
Delta R.T.: -0.007 min  
Response: 2620463  
Conc: 6.40 ng/ml



#32 AR-1260-2

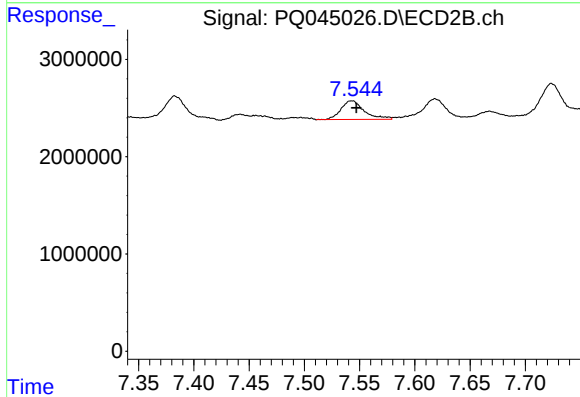
R.T.: 7.383 min  
Delta R.T.: -0.004 min  
Response: 4342686  
Conc: 11.00 ng/ml



#33 AR-1260-3

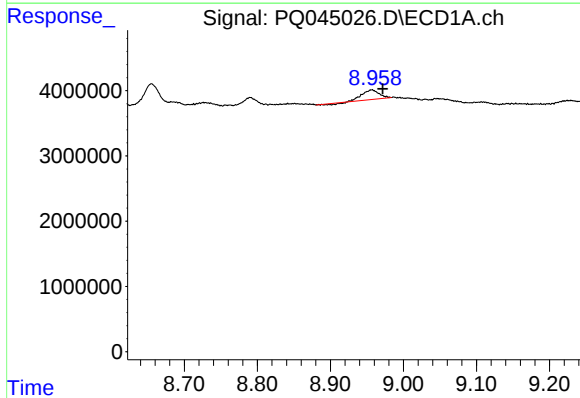
R.T.: 8.790 min  
Delta R.T.: 0.052 min  
Response: 1364717  
Conc: 4.18 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



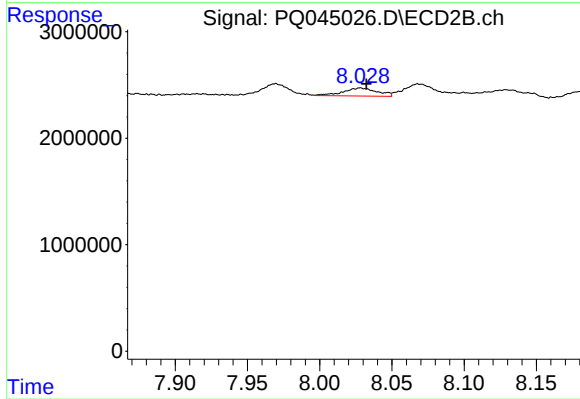
#33 AR-1260-3

R.T.: 7.543 min  
Delta R.T.: -0.004 min  
Response: 2827614  
Conc: 8.25 ng/ml



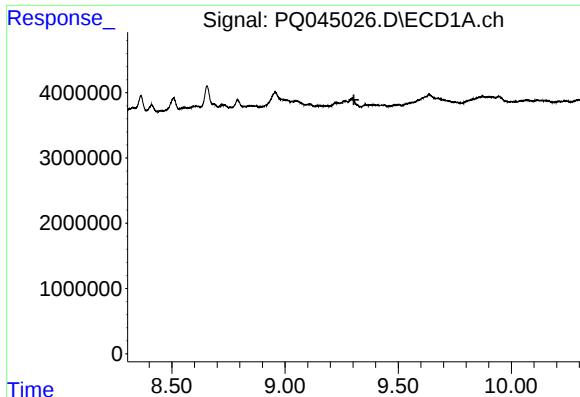
#34 AR-1260-4

R.T.: 8.957 min  
Delta R.T.: -0.015 min  
Response: 2206383  
Conc: 5.80 ng/ml



#34 AR-1260-4

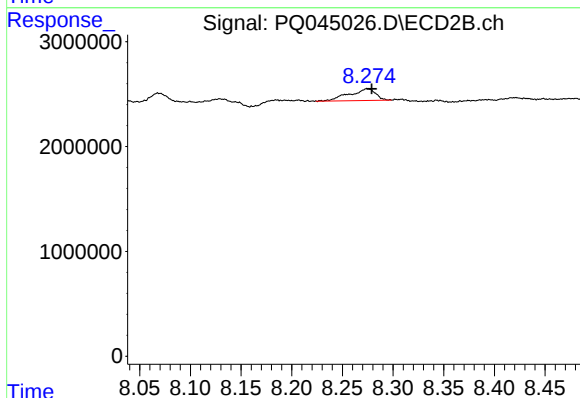
R.T.: 8.028 min  
Delta R.T.: -0.004 min  
Response: 1225176  
Conc: 4.00 ng/ml



#35 AR-1260-5

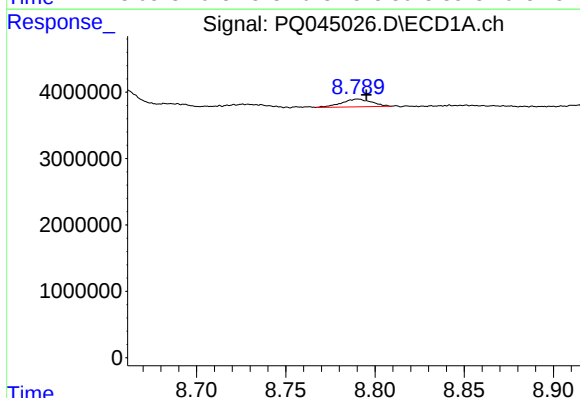
R.T.: 0.000 min  
Exp R.T.: 9.304 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



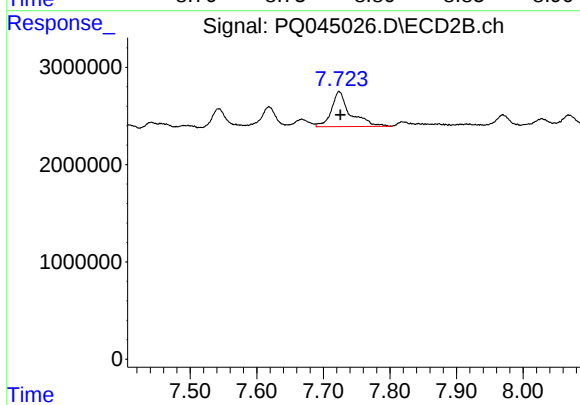
#35 AR-1260-5

R.T.: 8.275 min  
Delta R.T.: -0.004 min  
Response: 2050435  
Conc: 2.62 ng/ml



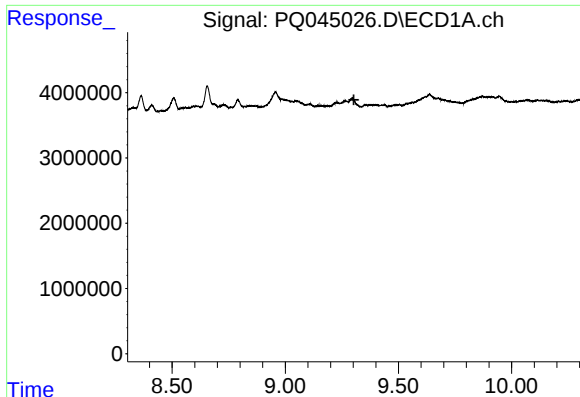
#36 AR-1262-1

R.T.: 8.790 min  
Delta R.T.: -0.005 min  
Response: 1364717  
Conc: 6.54 ng/ml



#36 AR-1262-1

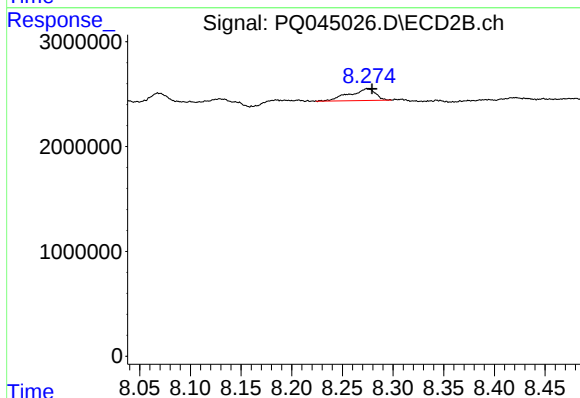
R.T.: 7.724 min  
Delta R.T.: -0.002 min  
Response: 7098448  
Conc: 28.05 ng/ml



#37 AR-1262-2

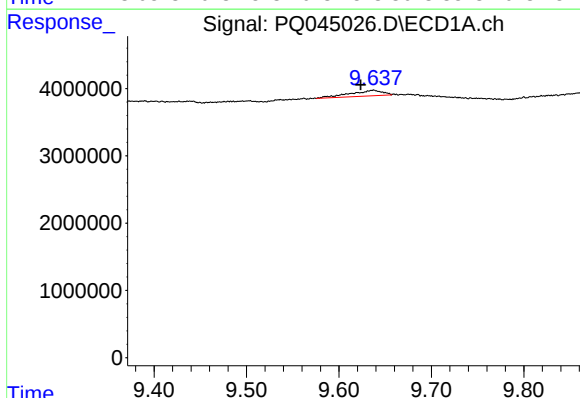
R.T.: 0.000 min  
Exp R.T.: 9.303 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



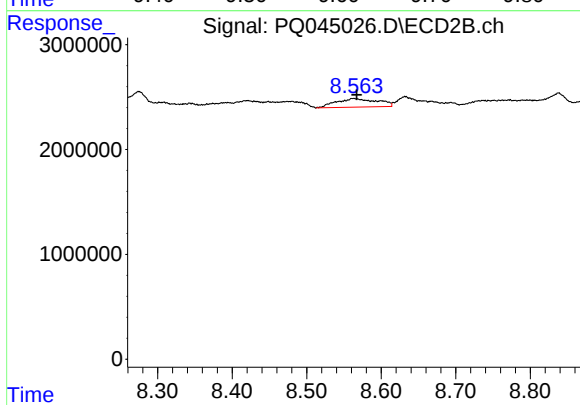
#37 AR-1262-2

R.T.: 8.275 min  
Delta R.T.: -0.004 min  
Response: 2050435  
Conc: 2.08 ng/ml



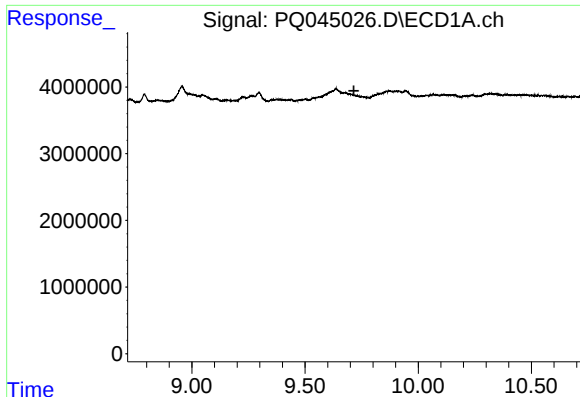
#38 AR-1262-3

R.T.: 9.638 min  
Delta R.T.: 0.014 min  
Response: 2024340  
Conc: 3.32 ng/ml



#38 AR-1262-3

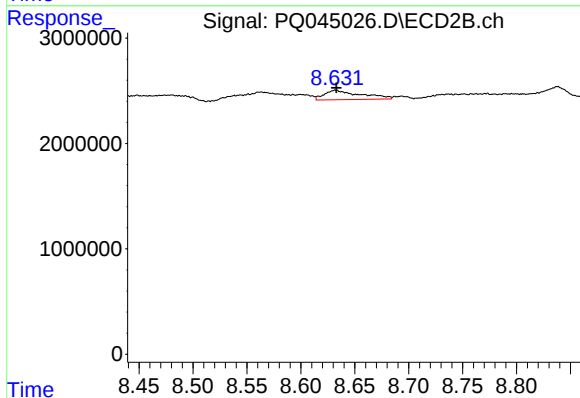
R.T.: 8.563 min  
Delta R.T.: -0.005 min  
Response: 3133518  
Conc: 8.13 ng/ml



#39 AR-1262-4

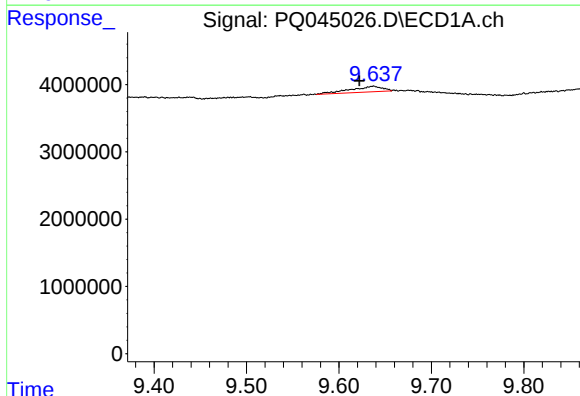
R.T.: 0.000 min  
Exp R.T.: 9.716 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



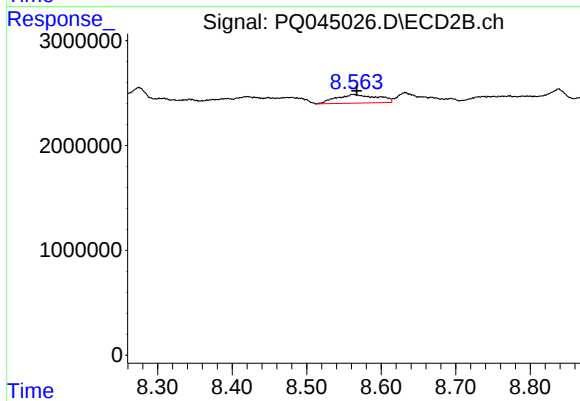
#39 AR-1262-4

R.T.: 8.632 min  
Delta R.T.: 0.000 min  
Response: 2118234  
Conc: 2.88 ng/ml



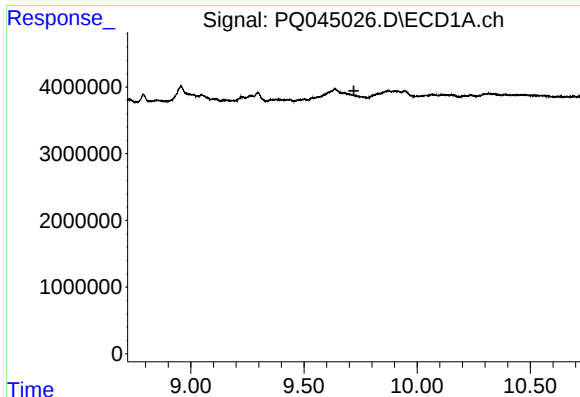
#41 AR-1268-1

R.T.: 9.638 min  
Delta R.T.: 0.016 min  
Response: 2024340  
Conc: 1.81 ng/ml



#41 AR-1268-1

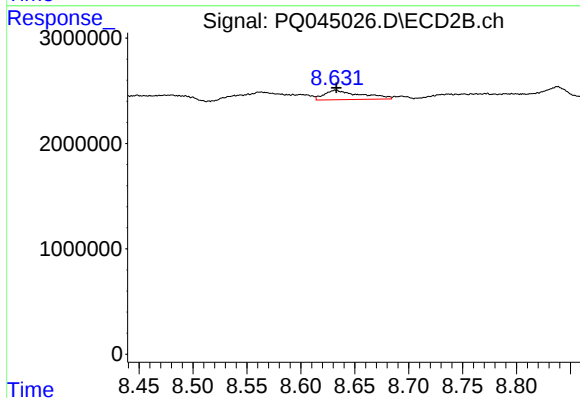
R.T.: 8.563 min  
Delta R.T.: -0.005 min  
Response: 3133518  
Conc: 2.61 ng/ml



#42 AR-1268-2

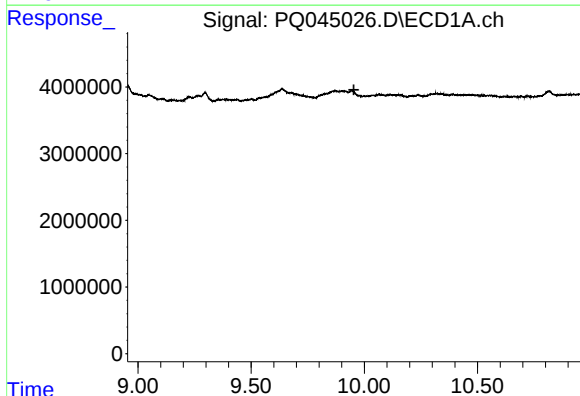
R.T.: 0.000 min  
Exp R.T.: 9.720 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



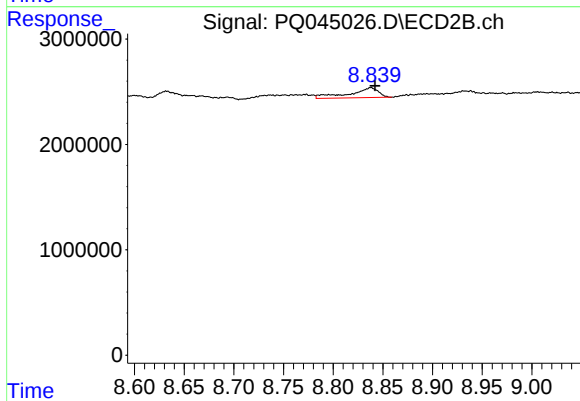
#42 AR-1268-2

R.T.: 8.632 min  
Delta R.T.: 0.000 min  
Response: 2118234  
Conc: 1.90 ng/ml



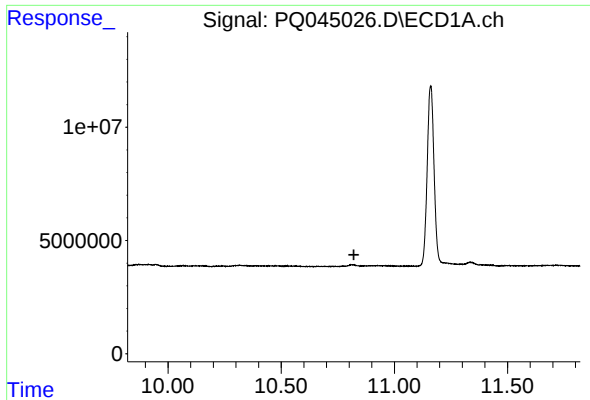
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T.: 9.954 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

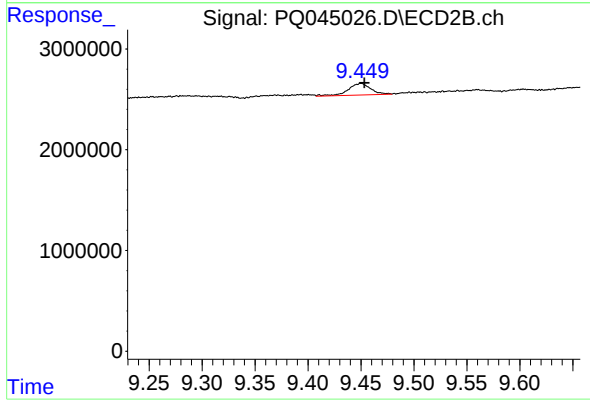
R.T.: 8.838 min  
Delta R.T.: -0.004 min  
Response: 1901366  
Conc: 2.04 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 10.821 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
C0AZ1



#45 AR-1268-5

R.T.: 9.450 min  
Delta R.T.: -0.003 min  
Response: 1722572  
Conc: 0.57 ng/ml