

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ010819\  
 Data File : PQ036281.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Jan 2019 14:20  
 Operator : SM\SJ  
 Sample : K1075-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 09 01:16:22 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ010819.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 09 01:06:47 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2  | Resp#1    | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-----------------|--------|-------|-----------|----------|---------|-----------|
| -----                       |                 |        |       |           |          |         |           |
| System Monitoring Compounds |                 |        |       |           |          |         |           |
| 1)                          | SA Tetrachlo... | 4.410  | 3.724 | 83448036  | 45881555 | 18.254  | 18.956    |
| 2)                          | SA Decachlor... | 10.091 | 8.699 | -20943532 | 17803644 | N.D.    | 9.261     |
| Target Compounds            |                 |        |       |           |          |         |           |
| 3)                          | L1 AR-1016-1    | 5.508  | 4.832 | 18497463  | 9467959  | 132.199 | 121.989   |
| 4)                          | L1 AR-1016-2    | 5.599  | 4.832 | 2611840   | 9467959  | 12.235  | 83.134 #  |
| 5)                          | L1 AR-1016-3    | 5.599  | 4.999 | 2611840   | 1485390  | 21.053  | 25.675    |
| 6)                          | L1 AR-1016-4    | 5.722  | 5.036 | 11191329  | 1358626  | 110.519 | 28.822 #  |
| 7)                          | L1 AR-1016-5    | 6.010  | 5.196 | 11087459  | 10847178 | 111.033 | 178.305 # |
| 10)                         | L2 AR-1221-3    | 4.797  | 4.094 | 10128349  | 6142662  | 113.615 | 124.250   |
| 11)                         | L3 AR-1232-1    | 4.797  | 4.094 | 10128349  | 6142662  | 132.947 | 142.744   |
| 12)                         | L3 AR-1232-2    | 5.283  | 4.832 | 1343248   | 9467959  | 35.192  | 210.158 # |
| 13)                         | L3 AR-1232-3    | 5.599  | 4.999 | 2611840   | 1485390  | 32.458  | 65.541 #  |
| 14)                         | L3 AR-1232-4    | 5.722  | 5.036 | 11191329  | 1358626  | 291.162 | 66.010 #  |
| 15)                         | L3 AR-1232-5    | 5.847  | 5.196 | 3325733   | 10847178 | 116.114 | 494.618 # |
| 16)                         | L4 AR-1242-1    | 5.508  | 4.832 | 18497463  | 9467959  | 186.055 | 164.221   |
| 17)                         | L4 AR-1242-2    | 5.599  | 4.832 | 2611840   | 9467959  | 17.290  | 116.098 # |
| 18)                         | L4 AR-1242-3    | 5.599  | 4.999 | 2611840   | 1485390  | 29.449  | 34.749    |
| 19)                         | L4 AR-1242-4    | 5.722  | 5.036 | 11191329  | 1358626  | 153.624 | 31.927 #  |
| 20)                         | L4 AR-1242-5    | 6.440  | 5.608 | 28603756  | 13361617 | 360.454 | 245.990 # |
| 21)                         | L5 AR-1248-1    | 5.508  | 4.832 | 18497463  | 9467959  | 230.380 | 201.751   |
| 22)                         | L5 AR-1248-2    | 5.847  | 5.036 | 3325733   | 1358626  | 29.772  | 21.647 #  |
| 23)                         | L5 AR-1248-3    | 6.010  | 5.036 | 11087459  | 1358626  | 88.481  | 21.146 #  |
| 24)                         | L5 AR-1248-4    | 6.440  | 5.196 | 28603756  | 10847178 | 200.612 | 141.212 # |
| 25)                         | L5 AR-1248-5    | 6.440  | 5.640 | 28603756  | 1872265  | 209.287 | 24.533 #  |
| 26)                         | L6 AR-1254-1    | 6.385  | 5.608 | 2837044   | 13361617 | 20.870  | 127.753 # |
| 27)                         | L6 AR-1254-2    | 6.581  | 5.745 | 3361467   | 4258391  | 15.806  | 46.601 #  |
| 28)                         | L6 AR-1254-3    | 7.015  | 6.145 | 13121152  | 6309098  | 55.899  | 39.627 #  |
| 29)                         | L6 AR-1254-4    | 7.297  | 6.373 | 6771540   | 1670679  | 38.275  | 15.917 #  |
| 30)                         | L6 AR-1254-5    | 7.718  | 6.786 | 5996041   | 2855255  | 29.275  | 19.657 #  |
| 31)                         | L7 AR-1260-1    | 7.143  | 6.271 | 804009    | 2757600  | 4.223   | 23.158 #  |
| 32)                         | L7 AR-1260-2    | 7.429  | 6.461 | 12902029  | 2762464  | 56.220  | 19.242 #  |
| 33)                         | L7 AR-1260-3    | 7.787  | 6.612 | 1704713   | 1893557  | 12.106  | 14.341    |
| 34)                         | L7 AR-1260-4    | 8.014  | 0.000 | 2318649   | 0        | 13.448  | N.D. #    |
| 35)                         | L7 AR-1260-5    | 8.336  | 7.323 | 2714060   | 2066769  | 8.086   | 9.355     |
| 36)                         | L8 AR-1262-1    | 7.787  | 6.786 | 1704713   | 2855255  | 7.274   | 18.521 #  |
| 37)                         | L8 AR-1262-2    | 8.336  | 7.323 | 2714060   | 2066769  | 6.326   | 7.424     |
| 38)                         | L8 AR-1262-3    | 8.665  | 0.000 | 1952358   | 0        | 10.683  | N.D. #    |
| 39)                         | L8 AR-1262-4    | 8.665  | 0.000 | 1952358   | 0        | 9.294   | N.D. #    |
| 41)                         | L9 AR-1268-1    | 8.665  | 0.000 | 1952358   | 0        | 3.844   | N.D. #    |
| 42)                         | L9 AR-1268-2    | 8.665  | 0.000 | 1952358   | 0        | 4.083   | N.D. #    |
| -----                       |                 |        |       |           |          |         |           |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ010819\  
Data File : PQ036281.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Jan 2019 14:20  
Operator : SM\SJ  
Sample : K1075-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

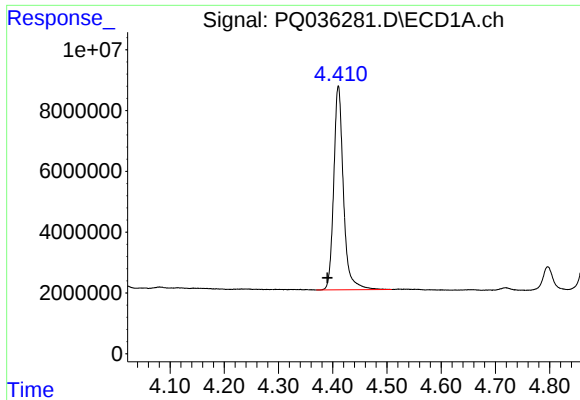
Instrument :  
ECD\_Q  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 09 01:16:22 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ010819.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 09 01:06:47 2019  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                                                              | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|-----------------------------------------------------------------------|------|------|--------|--------|-------|-------|
| -----                                                                 |      |      |        |        |       |       |
| (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int. |      |      |        |        |       |       |

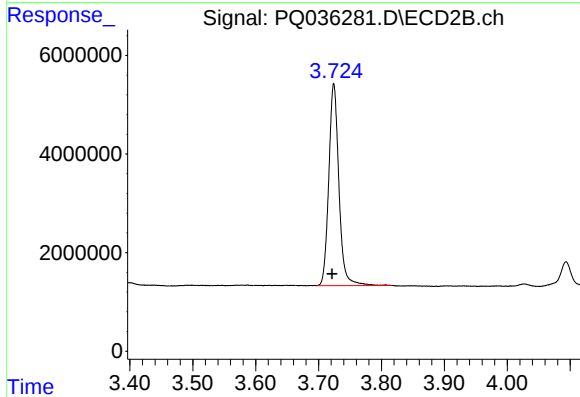




#1 Tetrachloro-m-xylene

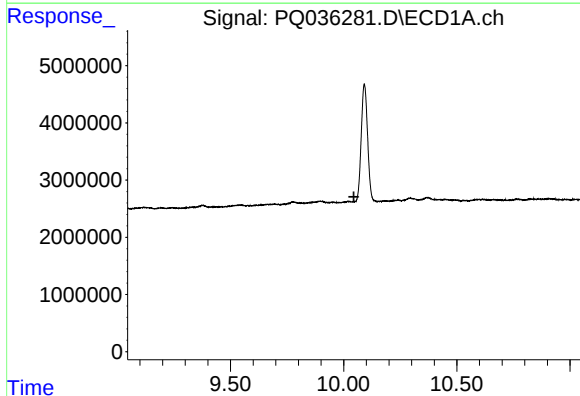
R.T.: 4.410 min  
Delta R.T.: 0.020 min  
Response: 83448036  
Conc: 18.25 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



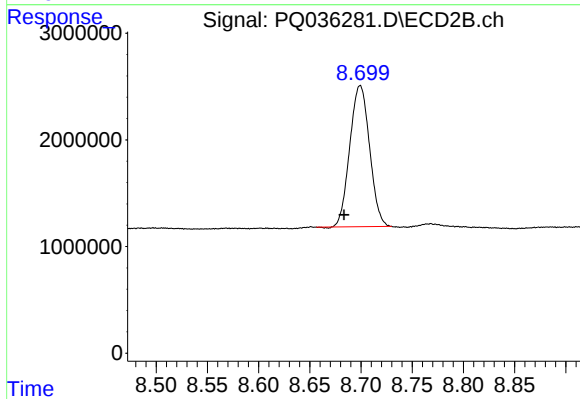
#1 Tetrachloro-m-xylene

R.T.: 3.724 min  
Delta R.T.: 0.003 min  
Response: 45881555  
Conc: 18.96 ng/ml



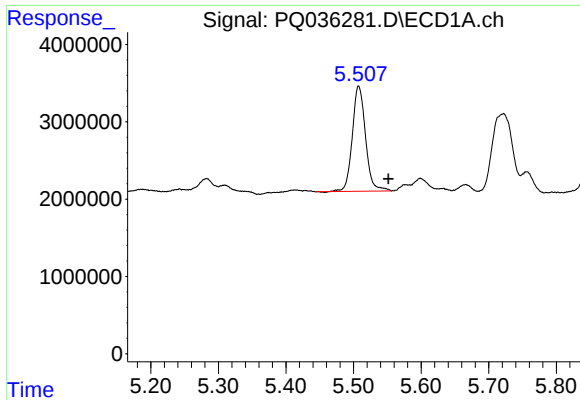
#2 Decachlorobiphenyl

R.T.: 10.091 min  
Delta R.T.: 0.046 min  
Response: -20943532  
Conc: N.D.



#2 Decachlorobiphenyl

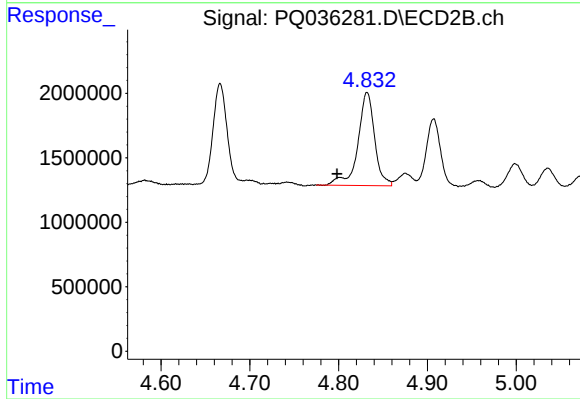
R.T.: 8.699 min  
Delta R.T.: 0.016 min  
Response: 17803644  
Conc: 9.26 ng/ml



#3 AR-1016-1

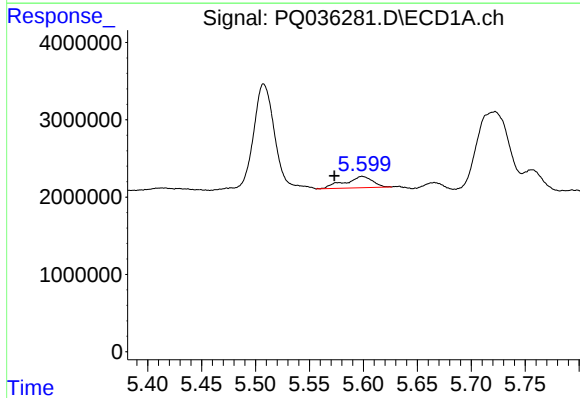
R.T.: 5.508 min  
Delta R.T.: -0.044 min  
Response: 18497463  
Conc: 132.20 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



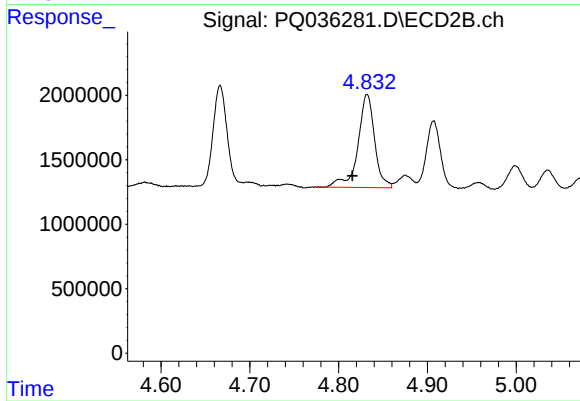
#3 AR-1016-1

R.T.: 4.832 min  
Delta R.T.: 0.034 min  
Response: 9467959  
Conc: 121.99 ng/ml



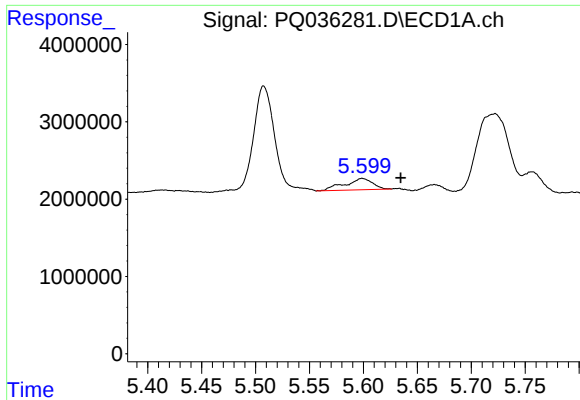
#4 AR-1016-2

R.T.: 5.599 min  
Delta R.T.: 0.026 min  
Response: 2611840  
Conc: 12.24 ng/ml



#4 AR-1016-2

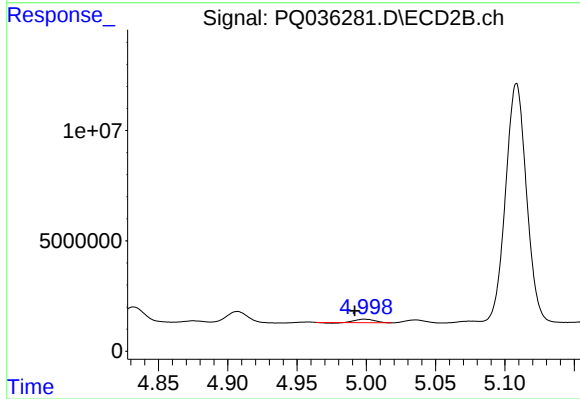
R.T.: 4.832 min  
Delta R.T.: 0.017 min  
Response: 9467959  
Conc: 83.13 ng/ml



#5 AR-1016-3

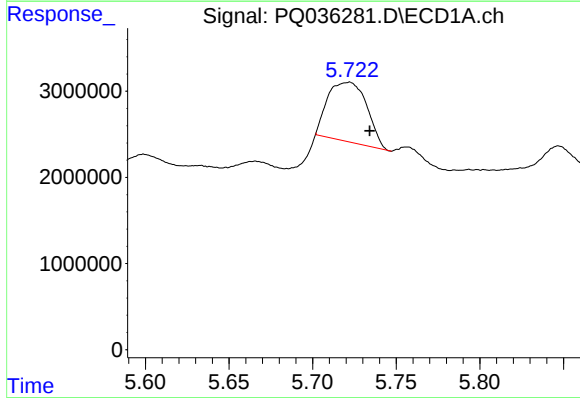
R.T.: 5.599 min  
Delta R.T.: -0.036 min  
Response: 2611840  
Conc: 21.05 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



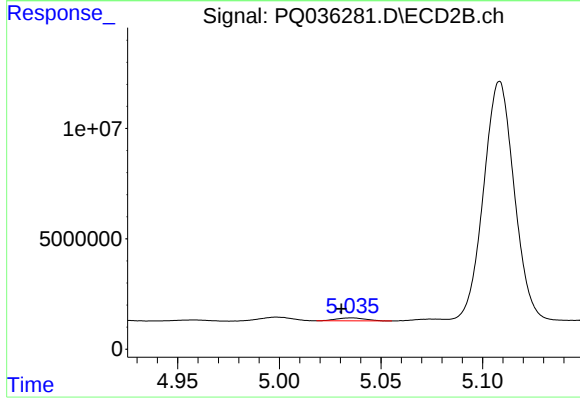
#5 AR-1016-3

R.T.: 4.999 min  
Delta R.T.: 0.007 min  
Response: 1485390  
Conc: 25.68 ng/ml



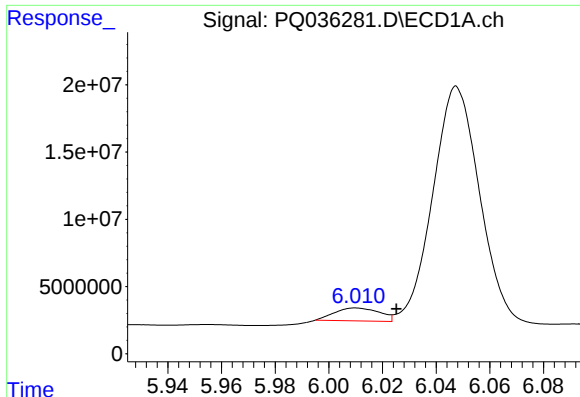
#6 AR-1016-4

R.T.: 5.722 min  
Delta R.T.: -0.013 min  
Response: 11191329  
Conc: 110.52 ng/ml



#6 AR-1016-4

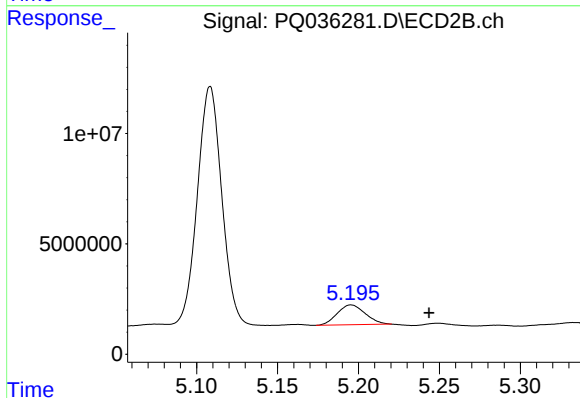
R.T.: 5.036 min  
Delta R.T.: 0.005 min  
Response: 1358626  
Conc: 28.82 ng/ml



#7 AR-1016-5

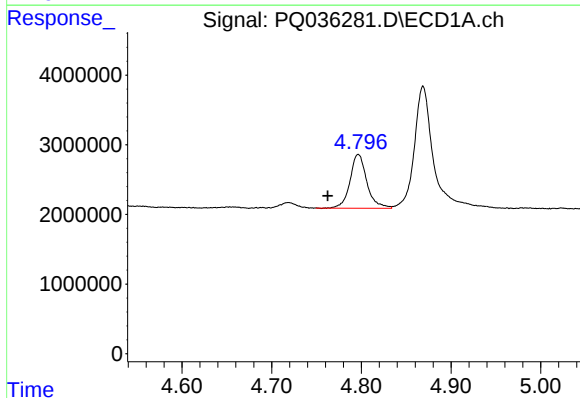
R.T.: 6.010 min  
Delta R.T.: -0.015 min  
Response: 11087459  
Conc: 111.03 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



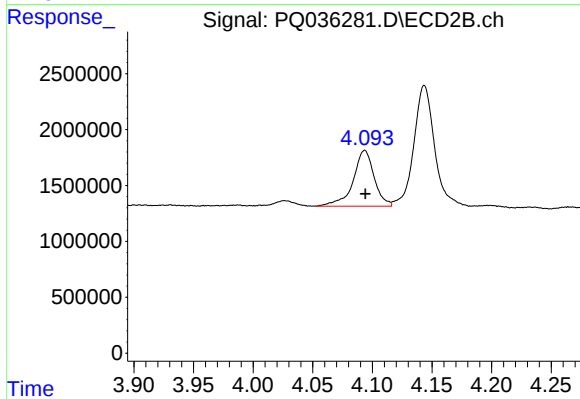
#7 AR-1016-5

R.T.: 5.196 min  
Delta R.T.: -0.048 min  
Response: 10847178  
Conc: 178.30 ng/ml



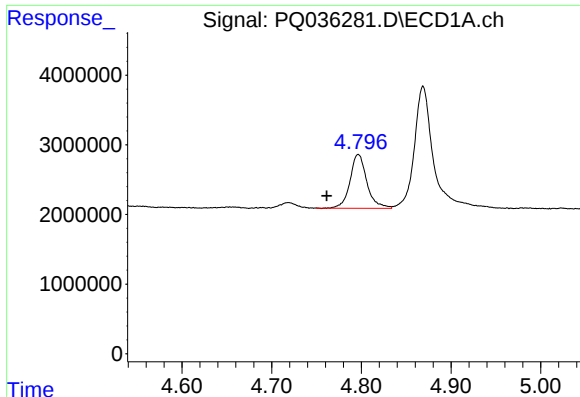
#10 AR-1221-3

R.T.: 4.797 min  
Delta R.T.: 0.034 min  
Response: 10128349  
Conc: 113.61 ng/ml



#10 AR-1221-3

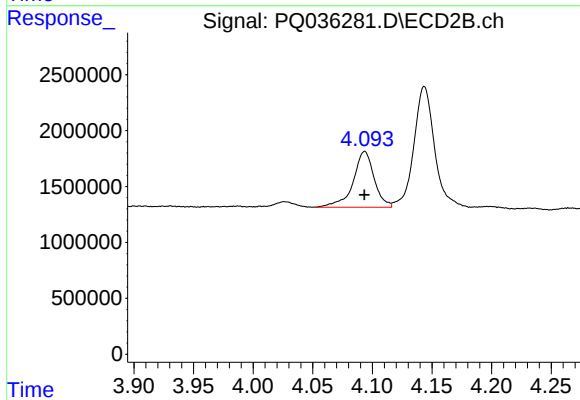
R.T.: 4.094 min  
Delta R.T.: 0.000 min  
Response: 6142662  
Conc: 124.25 ng/ml



#11 AR-1232-1

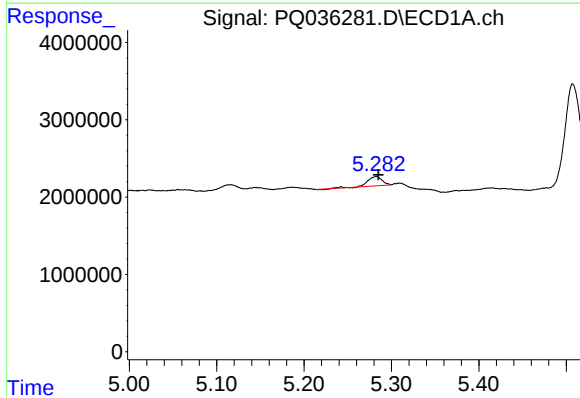
R.T.: 4.797 min  
Delta R.T.: 0.035 min  
Response: 10128349  
Conc: 132.95 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



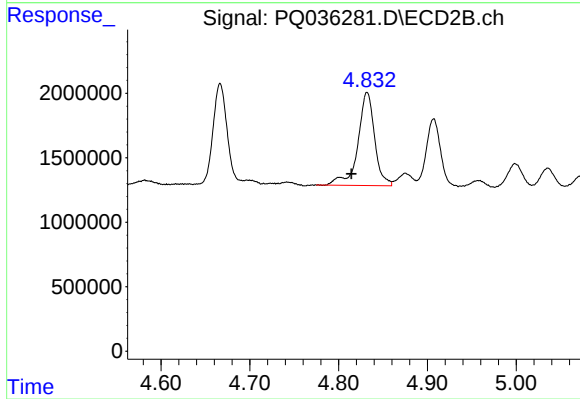
#11 AR-1232-1

R.T.: 4.094 min  
Delta R.T.: 0.000 min  
Response: 6142662  
Conc: 142.74 ng/ml



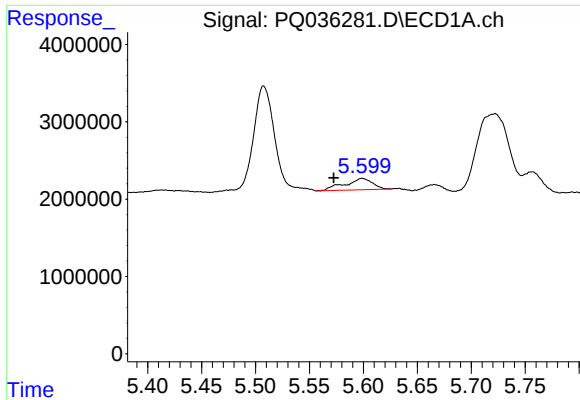
#12 AR-1232-2

R.T.: 5.283 min  
Delta R.T.: -0.002 min  
Response: 1343248  
Conc: 35.19 ng/ml



#12 AR-1232-2

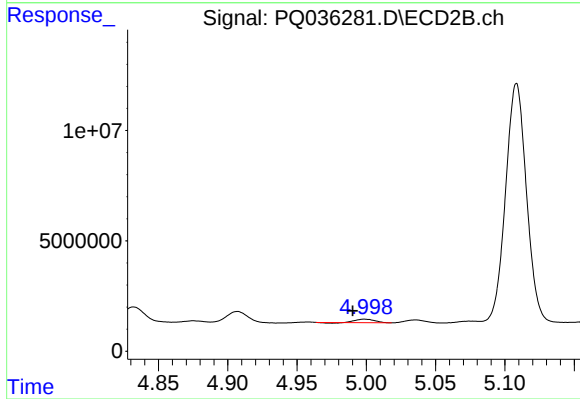
R.T.: 4.832 min  
Delta R.T.: 0.018 min  
Response: 9467959  
Conc: 210.16 ng/ml



#13 AR-1232-3

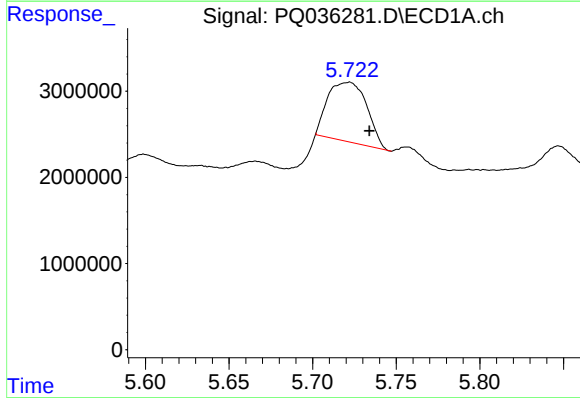
R.T.: 5.599 min  
Delta R.T.: 0.026 min  
Response: 2611840  
Conc: 32.46 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



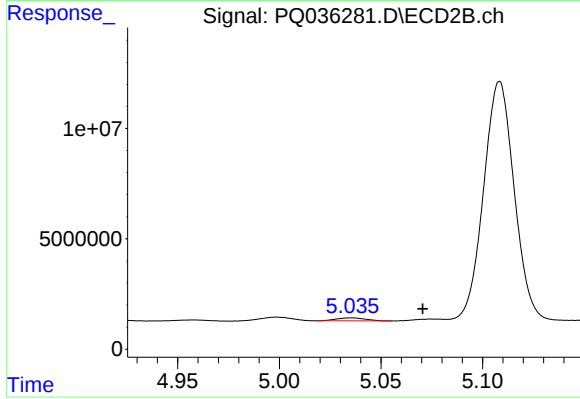
#13 AR-1232-3

R.T.: 4.999 min  
Delta R.T.: 0.009 min  
Response: 1485390  
Conc: 65.54 ng/ml



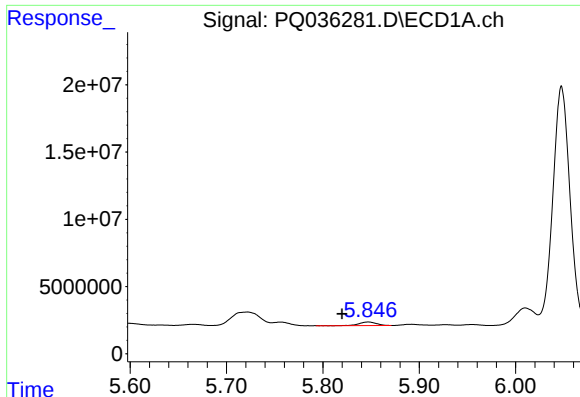
#14 AR-1232-4

R.T.: 5.722 min  
Delta R.T.: -0.012 min  
Response: 11191329  
Conc: 291.16 ng/ml



#14 AR-1232-4

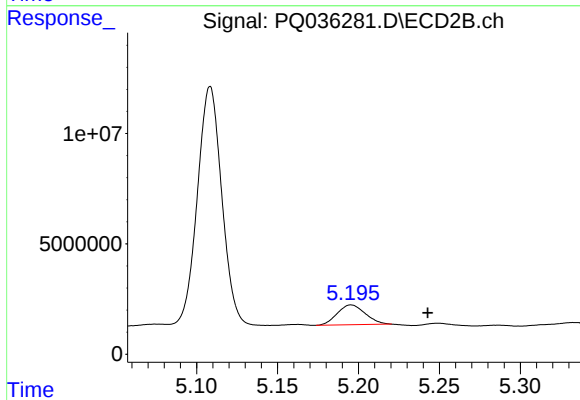
R.T.: 5.036 min  
Delta R.T.: -0.035 min  
Response: 1358626  
Conc: 66.01 ng/ml



#15 AR-1232-5

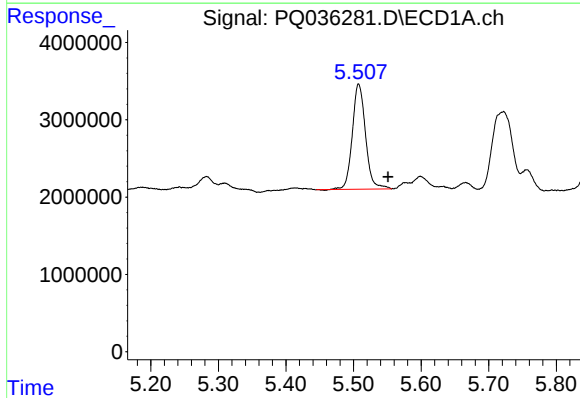
R.T.: 5.847 min  
Delta R.T.: 0.027 min  
Response: 3325733  
Conc: 116.11 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



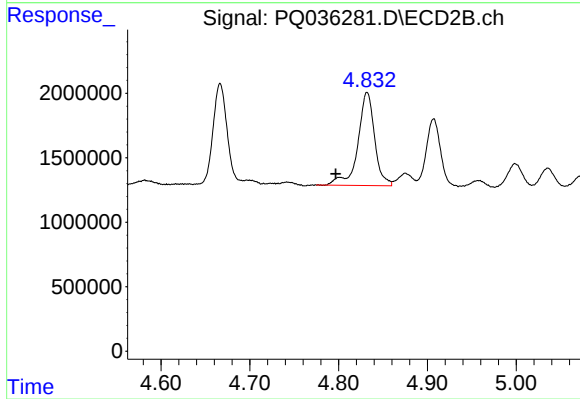
#15 AR-1232-5

R.T.: 5.196 min  
Delta R.T.: -0.047 min  
Response: 10847178  
Conc: 494.62 ng/ml



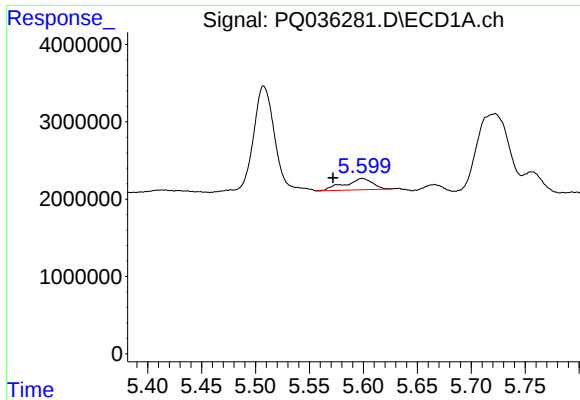
#16 AR-1242-1

R.T.: 5.508 min  
Delta R.T.: -0.043 min  
Response: 18497463  
Conc: 186.05 ng/ml



#16 AR-1242-1

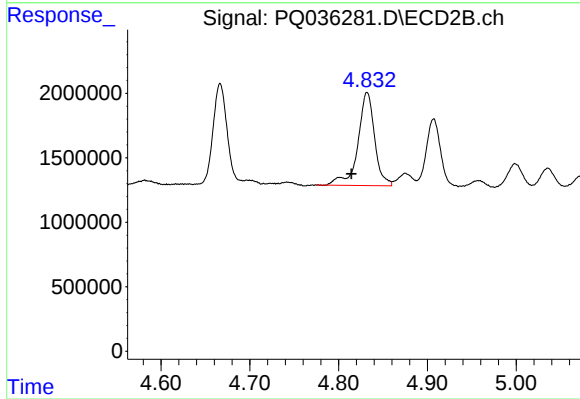
R.T.: 4.832 min  
Delta R.T.: 0.035 min  
Response: 9467959  
Conc: 164.22 ng/ml



#17 AR-1242-2

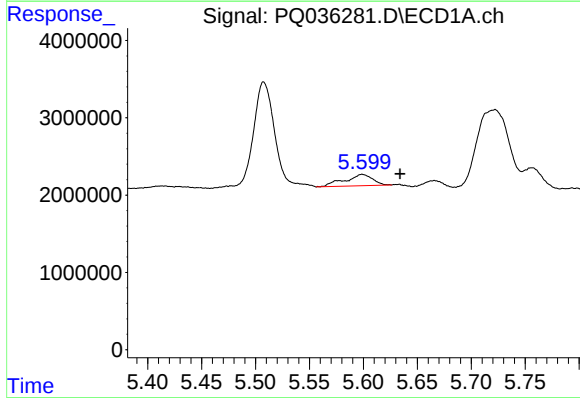
R.T.: 5.599 min  
Delta R.T.: 0.027 min  
Response: 2611840  
Conc: 17.29 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



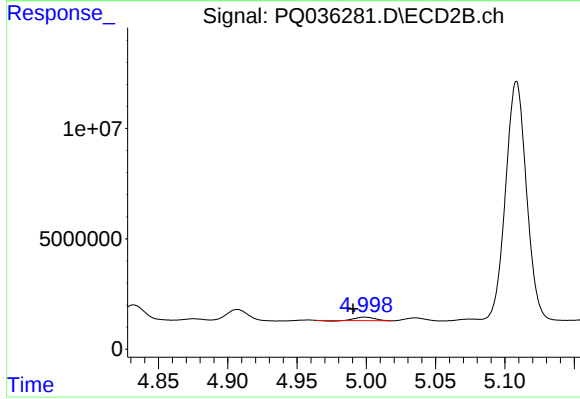
#17 AR-1242-2

R.T.: 4.832 min  
Delta R.T.: 0.018 min  
Response: 9467959  
Conc: 116.10 ng/ml



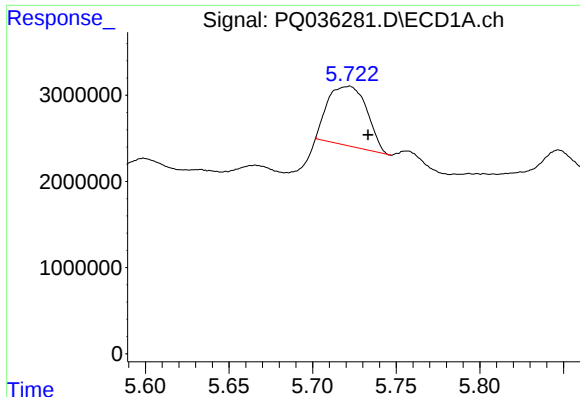
#18 AR-1242-3

R.T.: 5.599 min  
Delta R.T.: -0.035 min  
Response: 2611840  
Conc: 29.45 ng/ml



#18 AR-1242-3

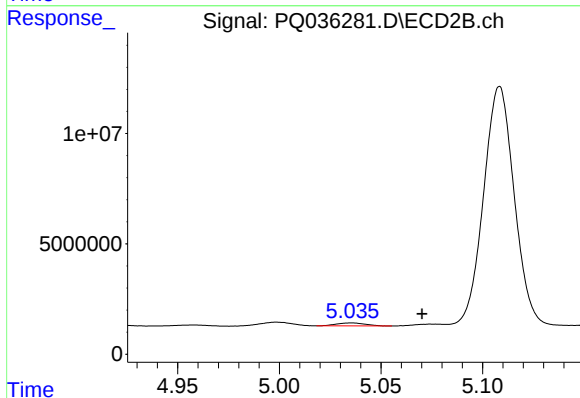
R.T.: 4.999 min  
Delta R.T.: 0.008 min  
Response: 1485390  
Conc: 34.75 ng/ml



#19 AR-1242-4

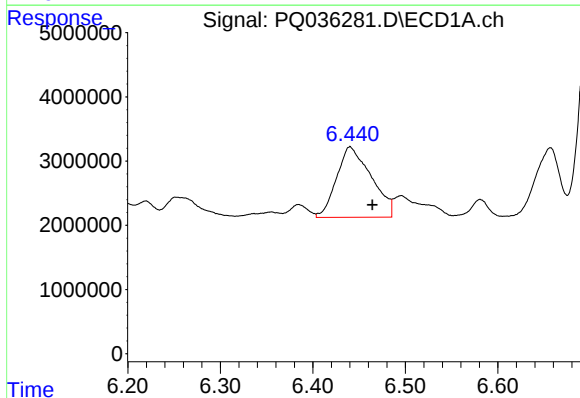
R.T.: 5.722 min  
Delta R.T.: -0.011 min  
Response: 11191329  
Conc: 153.62 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



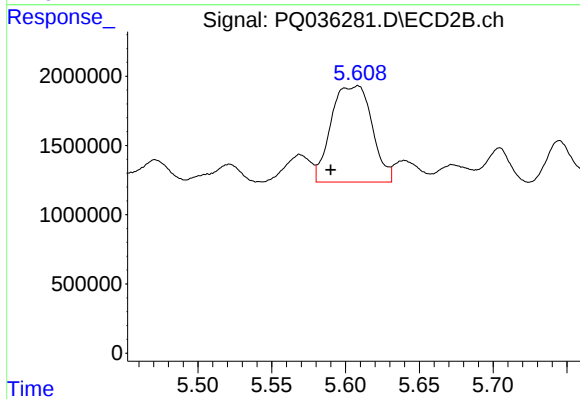
#19 AR-1242-4

R.T.: 5.036 min  
Delta R.T.: -0.035 min  
Response: 1358626  
Conc: 31.93 ng/ml



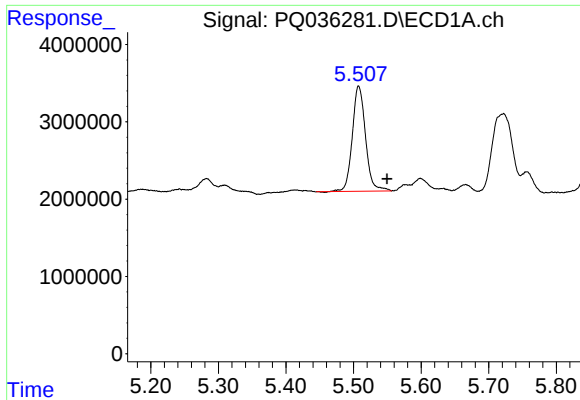
#20 AR-1242-5

R.T.: 6.440 min  
Delta R.T.: -0.024 min  
Response: 28603756  
Conc: 360.45 ng/ml



#20 AR-1242-5

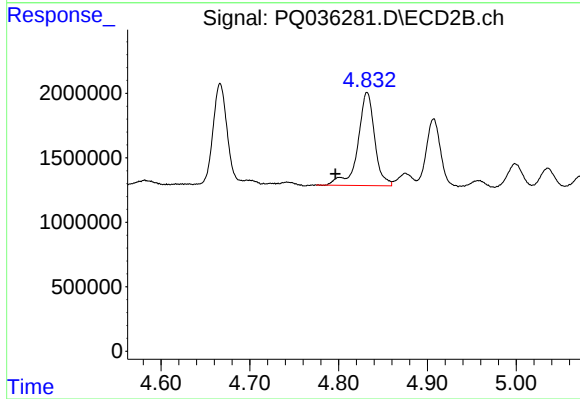
R.T.: 5.608 min  
Delta R.T.: 0.018 min  
Response: 13361617  
Conc: 245.99 ng/ml



#21 AR-1248-1

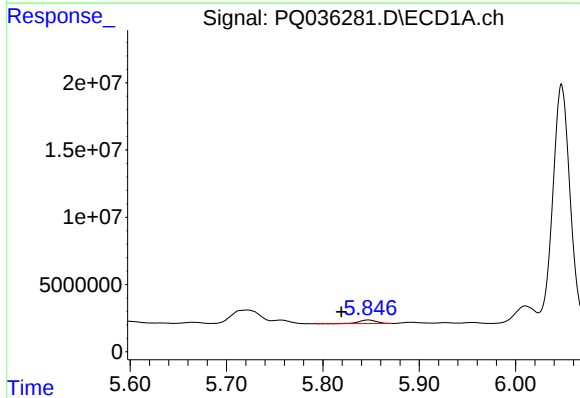
R.T.: 5.508 min  
Delta R.T.: -0.042 min  
Response: 18497463  
Conc: 230.38 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



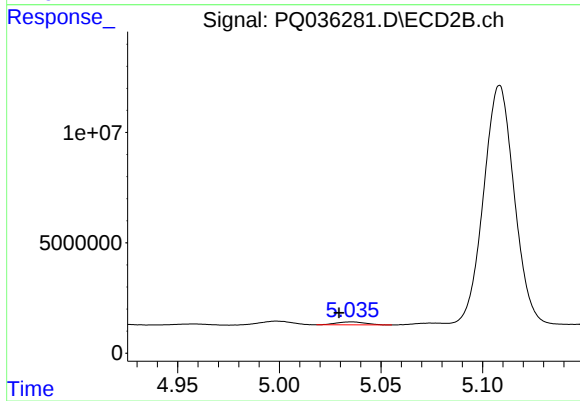
#21 AR-1248-1

R.T.: 4.832 min  
Delta R.T.: 0.036 min  
Response: 9467959  
Conc: 201.75 ng/ml



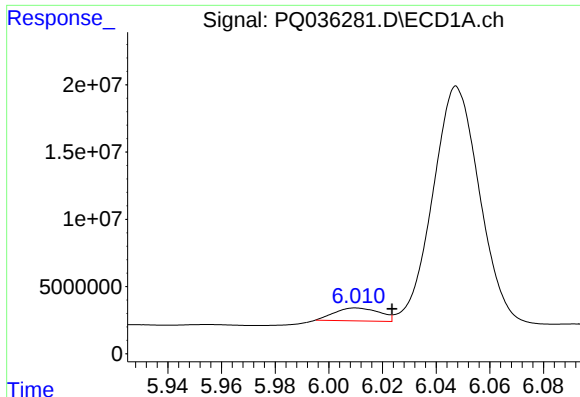
#22 AR-1248-2

R.T.: 5.847 min  
Delta R.T.: 0.028 min  
Response: 3325733  
Conc: 29.77 ng/ml



#22 AR-1248-2

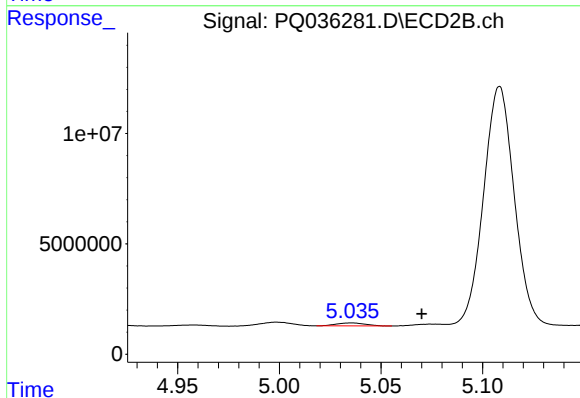
R.T.: 5.036 min  
Delta R.T.: 0.006 min  
Response: 1358626  
Conc: 21.65 ng/ml



#23 AR-1248-3

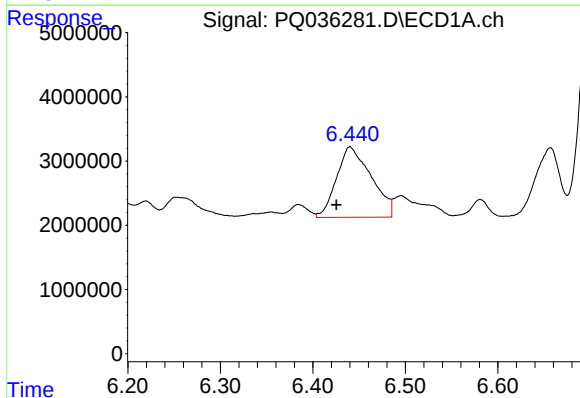
R.T.: 6.010 min  
Delta R.T.: -0.013 min  
Response: 11087459  
Conc: 88.48 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



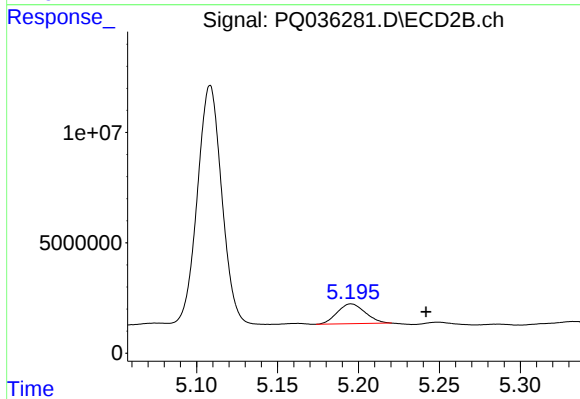
#23 AR-1248-3

R.T.: 5.036 min  
Delta R.T.: -0.034 min  
Response: 1358626  
Conc: 21.15 ng/ml



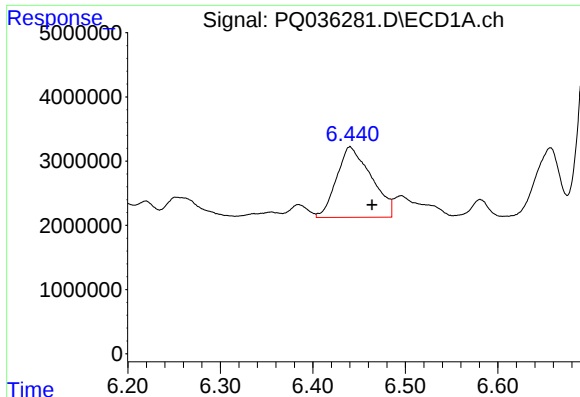
#24 AR-1248-4

R.T.: 6.440 min  
Delta R.T.: 0.015 min  
Response: 28603756  
Conc: 200.61 ng/ml



#24 AR-1248-4

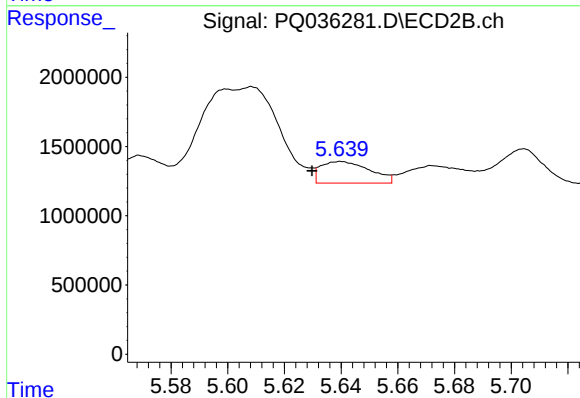
R.T.: 5.196 min  
Delta R.T.: -0.046 min  
Response: 10847178  
Conc: 141.21 ng/ml



#25 AR-1248-5

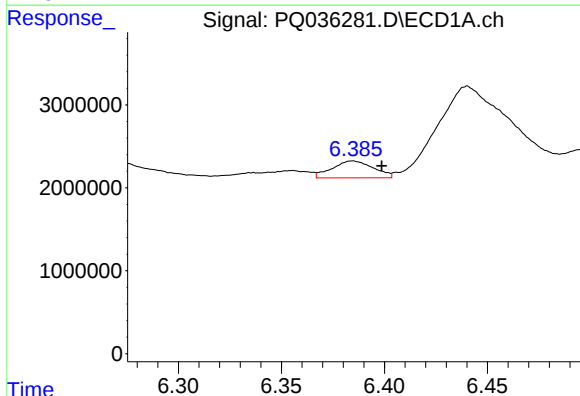
R.T.: 6.440 min  
Delta R.T.: -0.024 min  
Response: 28603756  
Conc: 209.29 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



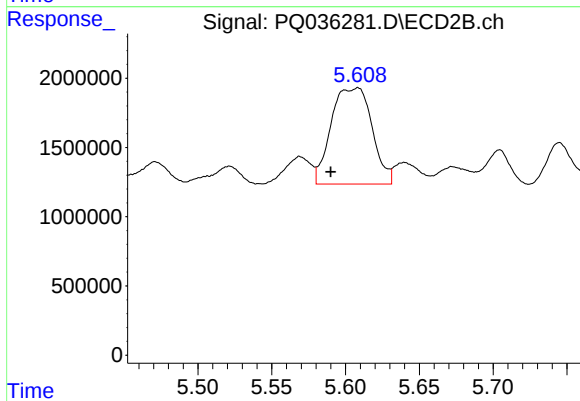
#25 AR-1248-5

R.T.: 5.640 min  
Delta R.T.: 0.010 min  
Response: 1872265  
Conc: 24.53 ng/ml



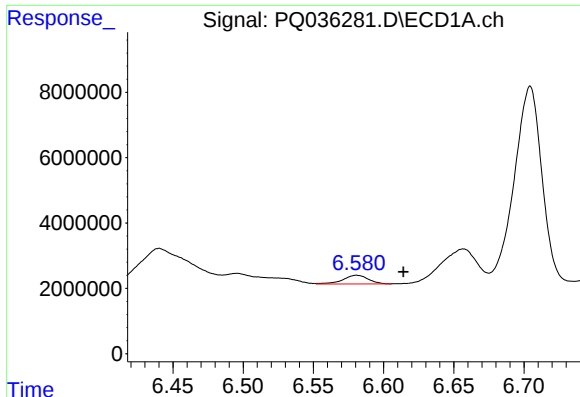
#26 AR-1254-1

R.T.: 6.385 min  
Delta R.T.: -0.014 min  
Response: 2837044  
Conc: 20.87 ng/ml



#26 AR-1254-1

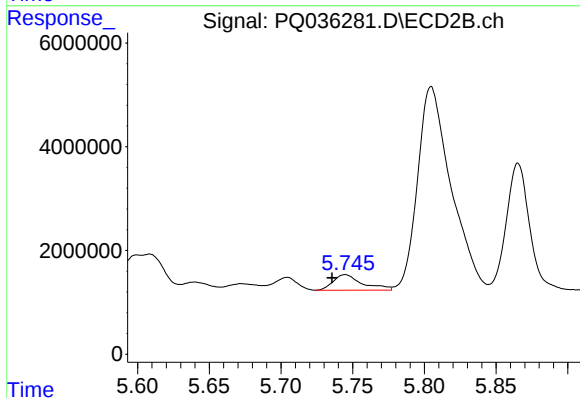
R.T.: 5.608 min  
Delta R.T.: 0.018 min  
Response: 13361617  
Conc: 127.75 ng/ml



#27 AR-1254-2

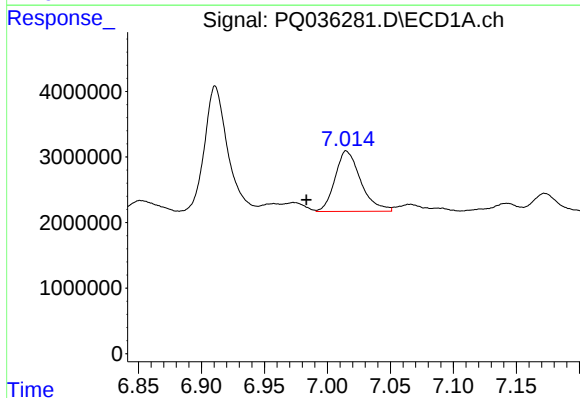
R.T.: 6.581 min  
Delta R.T.: -0.033 min  
Response: 3361467  
Conc: 15.81 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



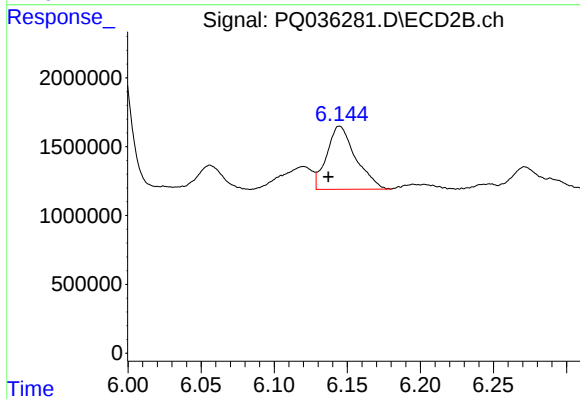
#27 AR-1254-2

R.T.: 5.745 min  
Delta R.T.: 0.009 min  
Response: 4258391  
Conc: 46.60 ng/ml



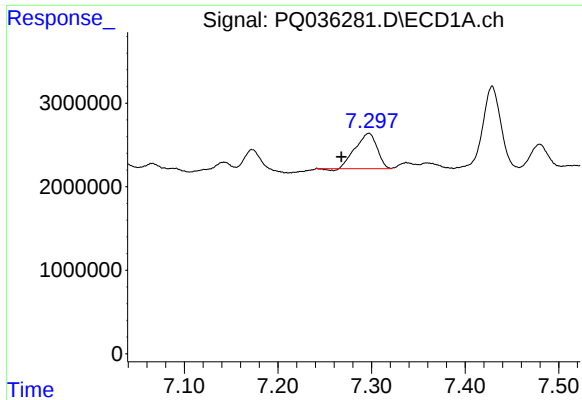
#28 AR-1254-3

R.T.: 7.015 min  
Delta R.T.: 0.032 min  
Response: 13121152  
Conc: 55.90 ng/ml



#28 AR-1254-3

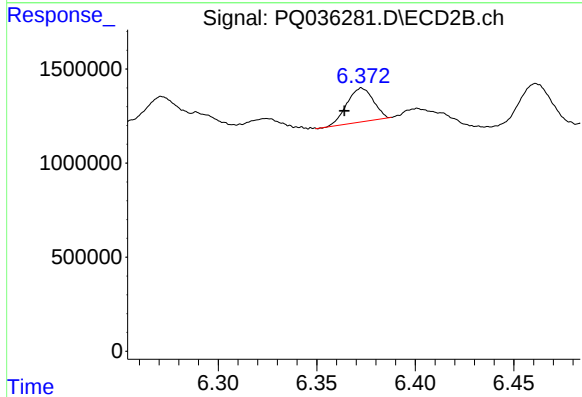
R.T.: 6.145 min  
Delta R.T.: 0.008 min  
Response: 6309098  
Conc: 39.63 ng/ml



#29 AR-1254-4

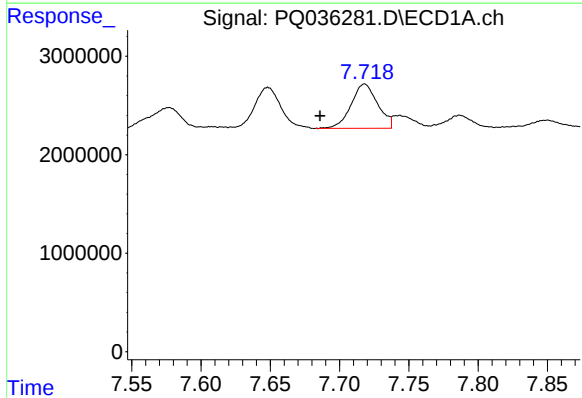
R.T.: 7.297 min  
Delta R.T.: 0.029 min  
Response: 6771540  
Conc: 38.28 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



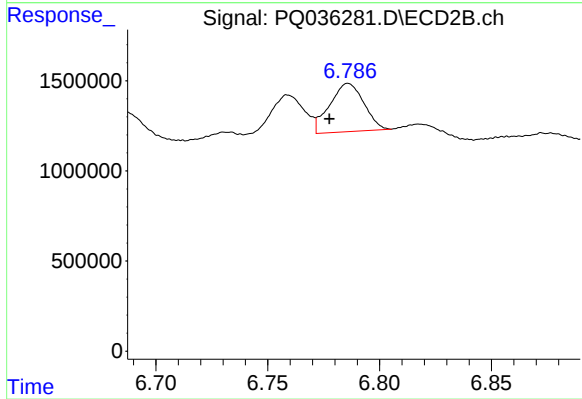
#29 AR-1254-4

R.T.: 6.373 min  
Delta R.T.: 0.009 min  
Response: 1670679  
Conc: 15.92 ng/ml



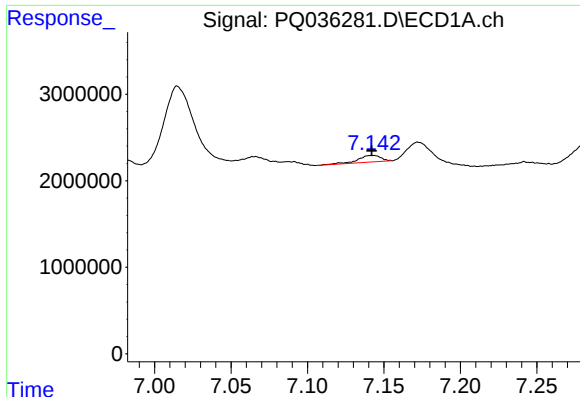
#30 AR-1254-5

R.T.: 7.718 min  
Delta R.T.: 0.032 min  
Response: 5996041  
Conc: 29.28 ng/ml



#30 AR-1254-5

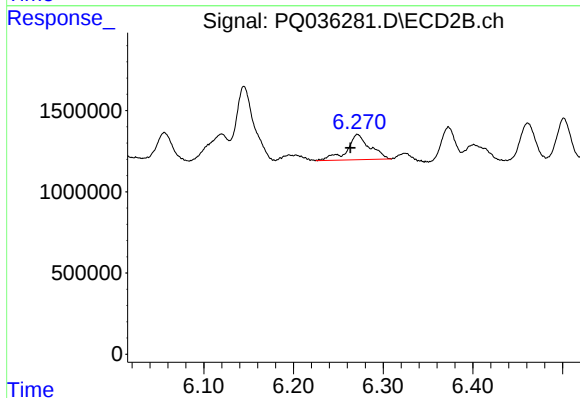
R.T.: 6.786 min  
Delta R.T.: 0.008 min  
Response: 2855255  
Conc: 19.66 ng/ml



#31 AR-1260-1

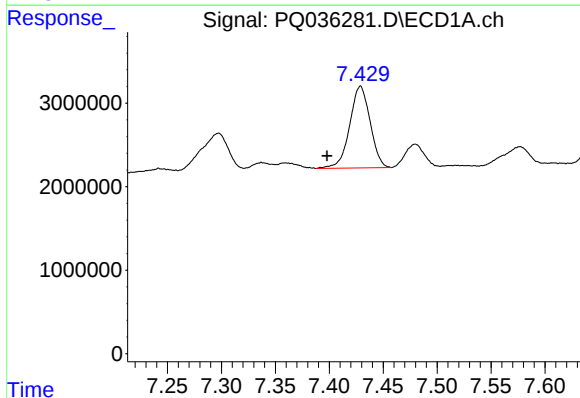
R.T.: 7.143 min  
Delta R.T.: 0.000 min  
Response: 804009  
Conc: 4.22 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



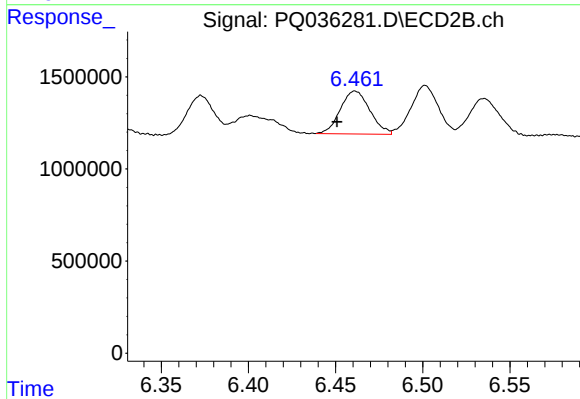
#31 AR-1260-1

R.T.: 6.271 min  
Delta R.T.: 0.008 min  
Response: 2757600  
Conc: 23.16 ng/ml



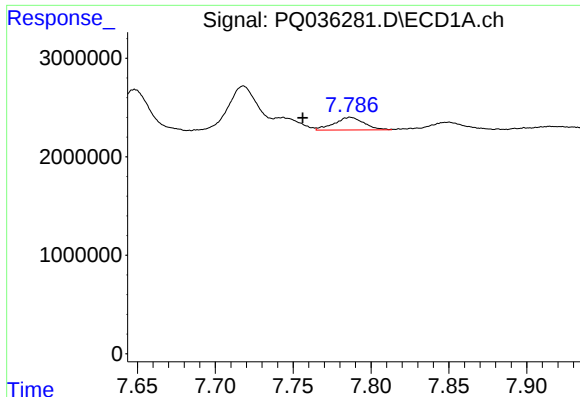
#32 AR-1260-2

R.T.: 7.429 min  
Delta R.T.: 0.031 min  
Response: 12902029  
Conc: 56.22 ng/ml



#32 AR-1260-2

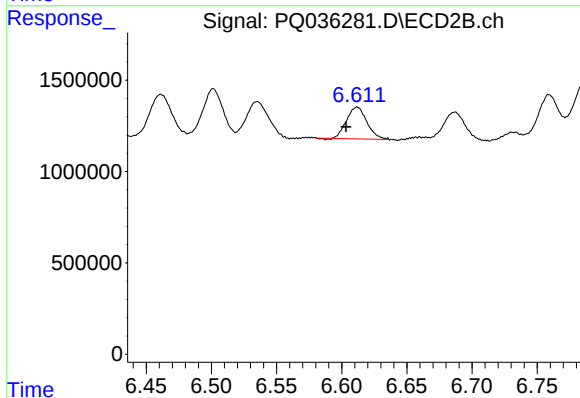
R.T.: 6.461 min  
Delta R.T.: 0.011 min  
Response: 2762464  
Conc: 19.24 ng/ml



#33 AR-1260-3

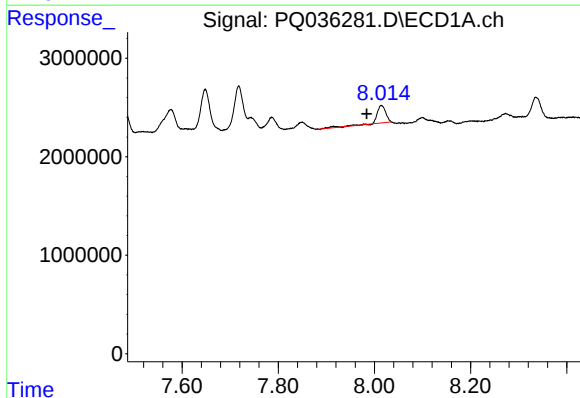
R.T.: 7.787 min  
Delta R.T.: 0.031 min  
Response: 1704713  
Conc: 12.11 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



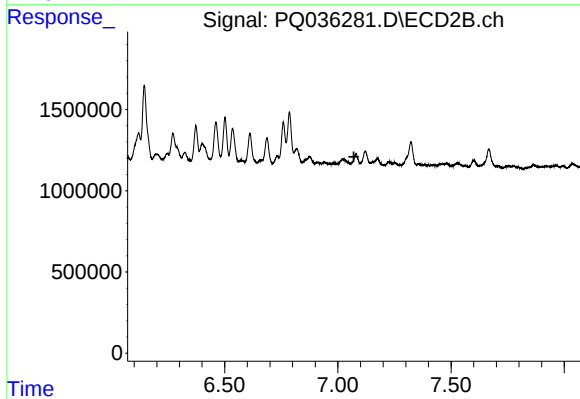
#33 AR-1260-3

R.T.: 6.612 min  
Delta R.T.: 0.008 min  
Response: 1893557  
Conc: 14.34 ng/ml



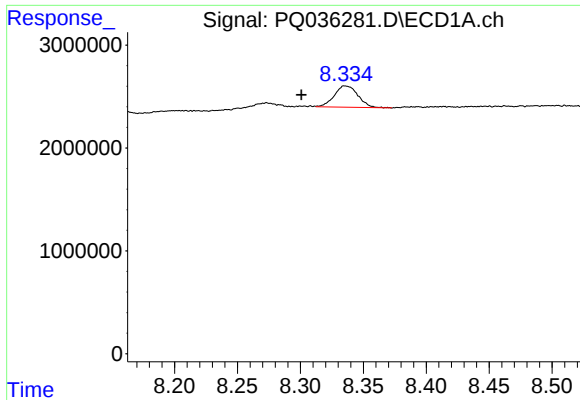
#34 AR-1260-4

R.T.: 8.014 min  
Delta R.T.: 0.030 min  
Response: 2318649  
Conc: 13.45 ng/ml



#34 AR-1260-4

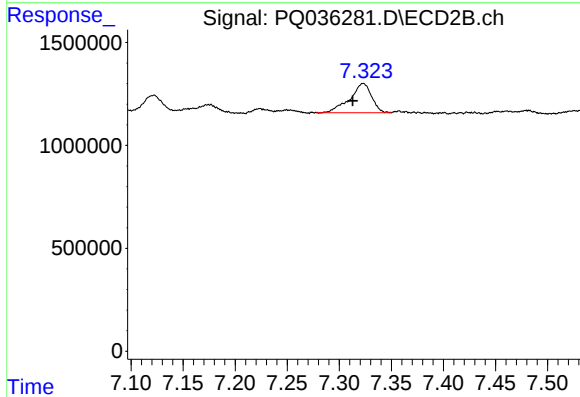
R.T.: 0.000 min  
Exp R.T.: 7.071 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

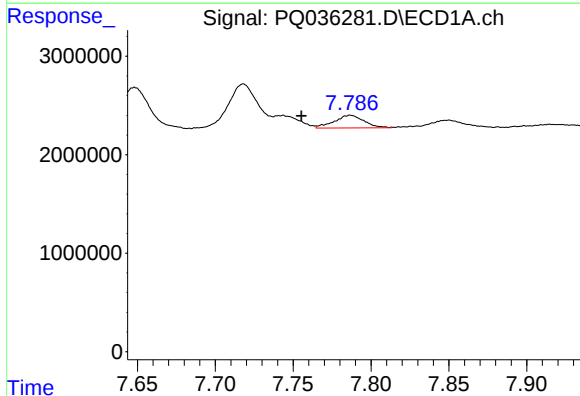
R.T.: 8.336 min  
Delta R.T.: 0.035 min  
Response: 2714060  
Conc: 8.09 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



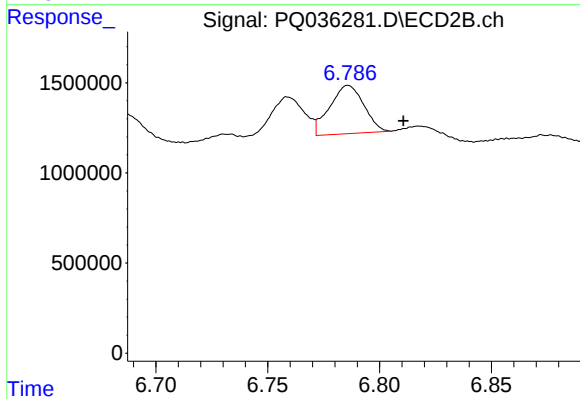
#35 AR-1260-5

R.T.: 7.323 min  
Delta R.T.: 0.010 min  
Response: 2066769  
Conc: 9.35 ng/ml



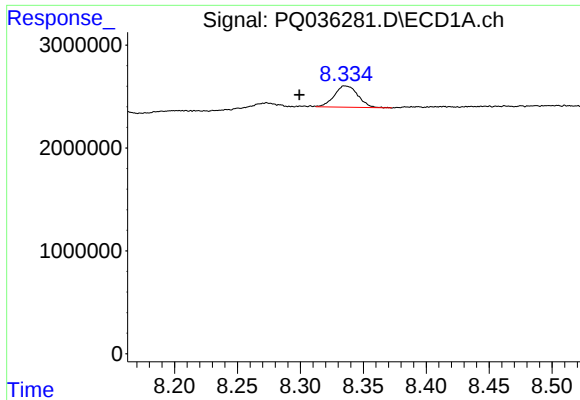
#36 AR-1262-1

R.T.: 7.787 min  
Delta R.T.: 0.031 min  
Response: 1704713  
Conc: 7.27 ng/ml



#36 AR-1262-1

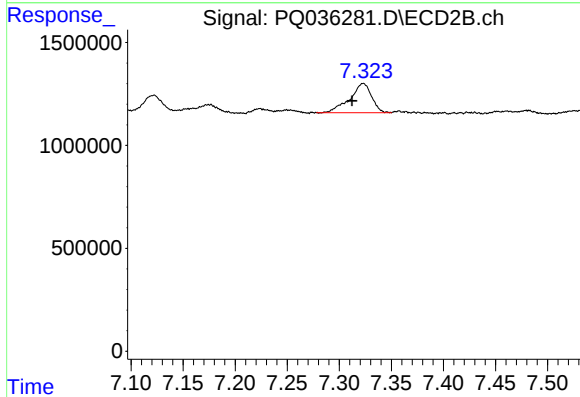
R.T.: 6.786 min  
Delta R.T.: -0.025 min  
Response: 2855255  
Conc: 18.52 ng/ml



#37 AR-1262-2

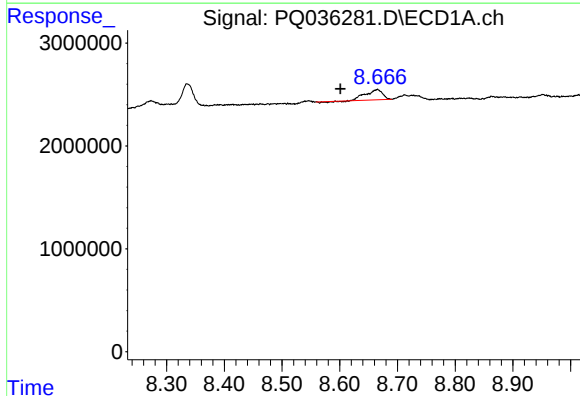
R.T.: 8.336 min  
Delta R.T.: 0.037 min  
Response: 2714060  
Conc: 6.33 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



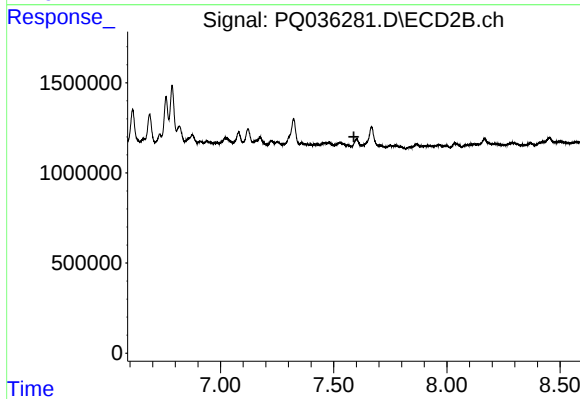
#37 AR-1262-2

R.T.: 7.323 min  
Delta R.T.: 0.011 min  
Response: 2066769  
Conc: 7.42 ng/ml



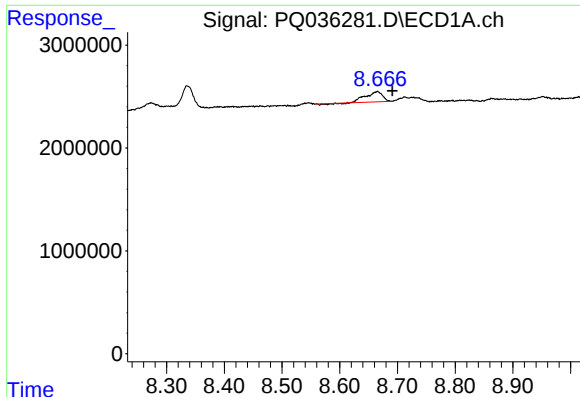
#38 AR-1262-3

R.T.: 8.665 min  
Delta R.T.: 0.064 min  
Response: 1952358  
Conc: 10.68 ng/ml



#38 AR-1262-3

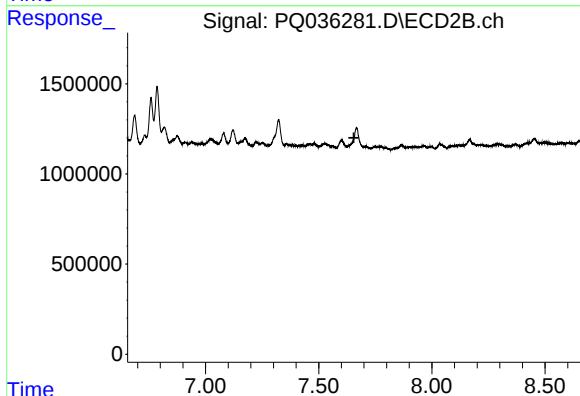
R.T.: 0.000 min  
Exp R.T.: 7.589 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

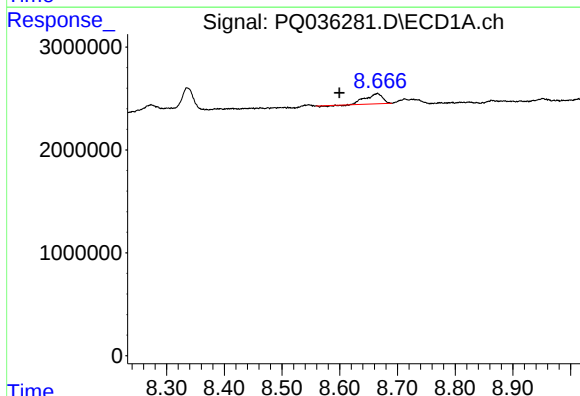
R.T.: 8.665 min  
Delta R.T.: -0.026 min  
Response: 1952358  
Conc: 9.29 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



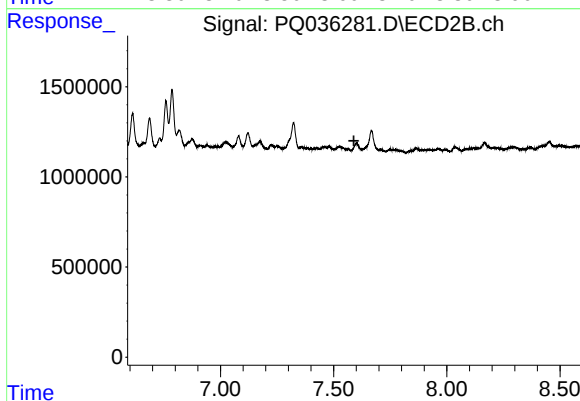
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T. : 7.656 min  
Response: 0  
Conc: N.D.



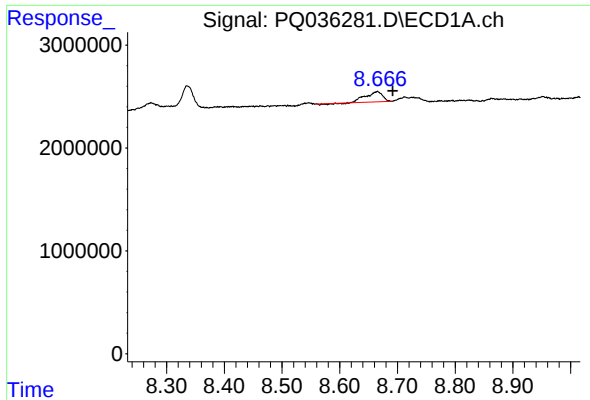
#41 AR-1268-1

R.T.: 8.665 min  
Delta R.T.: 0.066 min  
Response: 1952358  
Conc: 3.84 ng/ml



#41 AR-1268-1

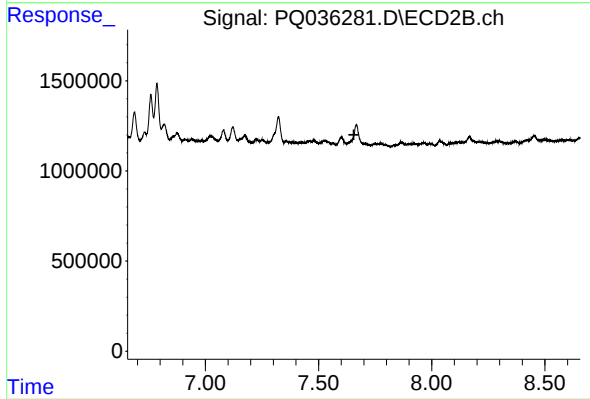
R.T.: 0.000 min  
Exp R.T. : 7.590 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

R.T.: 8.665 min  
Delta R.T.: -0.026 min  
Response: 1952358  
Conc: 4.08 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T. : 7.656 min  
Response: 0  
Conc: N.D.