

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ100919\  
 Data File : PQ044142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Oct 2019 09:13  
 Operator : HP\AJ  
 Sample : AR1248CCC400  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 AR1248307

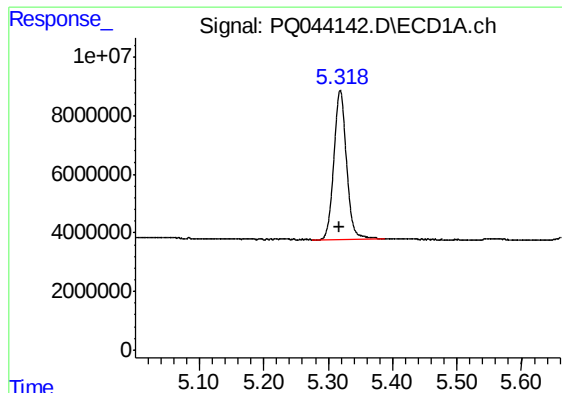
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 10 03:58:11 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ100819CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu Oct 10 02:55:10 2019  
 Response via : Initial Calibration  
 Integrator: 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... | 5.319  | 4.356 | 69408976 | 80622993 | 17.854   | 18.061     |
| 2)                          | SA Decachlor... | 11.602 | 9.806 | 212.3E6  | 237.2E6  | 39.621   | 39.657     |
| Target Compounds            |                 |        |       |          |          |          |            |
| 3)                          | L1 AR-1016-1    | 6.639  | 5.639 | 26293519 | 31427863 | 231.689  | 229.111    |
| 4)                          | L1 AR-1016-2    | 6.664  | 5.660 | 31149778 | 36957392 | 193.081  | 166.904    |
| 5)                          | L1 AR-1016-3    | 6.731  | 5.859 | 16644781 | 22159936 | 163.527  | 212.348 #  |
| 6)                          | L1 AR-1016-4    | 6.838  | 5.905 | 17001497 | 48642752 | 205.760  | 520.498 #  |
| 7)                          | L1 AR-1016-5    | 7.156  | 6.140 | 38543639 | 60768389 | 509.595  | 496.962    |
| 10)                         | L2 AR-1221-3    | 5.750  | 4.813 | 4058878  | 4177251  | 41.726   | 39.778     |
| 11)                         | L3 AR-1232-1    | 5.750  | 4.813 | 4058878  | 4177251  | 48.368   | 45.140     |
| 12)                         | L3 AR-1232-2    | 6.345  | 5.660 | 11986000 | 36957392 | 308.560  | 350.408    |
| 13)                         | L3 AR-1232-3    | 6.664  | 5.859 | 31149778 | 22159936 | 406.039  | 448.419    |
| 14)                         | L3 AR-1232-4    | 6.838  | 5.951 | 17001497 | 49732347 | 448.222  | 1054.510 # |
| 15)                         | L3 AR-1232-5    | 6.936  | 6.140 | 35510068 | 60768389 | 1259.428 | 1111.682   |
| 16)                         | L4 AR-1242-1    | 6.639  | 5.639 | 26293519 | 31427863 | 269.320  | 265.156    |
| 17)                         | L4 AR-1242-2    | 6.664  | 5.660 | 31149778 | 36957392 | 223.947  | 195.899    |
| 18)                         | L4 AR-1242-3    | 6.731  | 5.859 | 16644781 | 22159936 | 187.288  | 239.596 #  |
| 19)                         | L4 AR-1242-4    | 6.838  | 5.951 | 17001497 | 49732347 | 238.015  | 505.984 #  |
| 20)                         | L4 AR-1242-5    | 7.627  | 6.523 | 43416609 | 85566205 | 571.083  | 671.503    |
| 21)                         | L5 AR-1248-1    | 6.639  | 5.639 | 26293519 | 31427863 | 358.336  | 347.069    |
| 22)                         | L5 AR-1248-2    | 6.936  | 5.905 | 35510068 | 48642752 | 358.470  | 350.944    |
| 23)                         | L5 AR-1248-3    | 7.156  | 5.951 | 38543639 | 49732347 | 356.890  | 351.651    |
| 24)                         | L5 AR-1248-4    | 7.586  | 6.140 | 45341593 | 60768389 | 360.135  | 353.788    |
| 25)                         | L5 AR-1248-5    | 7.627  | 6.567 | 43416609 | 57936425 | 358.583  | 346.055    |
| 26)                         | L6 AR-1254-1    | 7.556  | 6.523 | 34960510 | 85566205 | 259.818  | 293.370    |
| 27)                         | L6 AR-1254-2    | 7.793  | 6.682 | 45952913 | 25642540 | 215.110  | 98.210 #   |
| 28)                         | L6 AR-1254-3    | 8.173  | 7.111 | 27510819 | 42483161 | 111.811  | 97.236     |
| 29)                         | L6 AR-1254-4    | 8.470  | 7.351 | 20601194 | 27028402 | 102.719  | 100.617    |
| 30)                         | L6 AR-1254-5    | 8.905  | 7.786 | 5004630  | 6451844  | 20.910   | 16.135     |
| 31)                         | L7 AR-1260-1    | 8.343  | 7.265 | 4063012  | 20123836 | 26.991   | 82.765 #   |
| 32)                         | L7 AR-1260-2    | 8.606  | 7.444 | 5234130  | 3104576  | 26.595   | 10.285 #   |
| 33)                         | L7 AR-1260-3    | 0.000  | 7.605 | 0        | 5065803  | N.D.     | 18.001 #   |
| 34)                         | L7 AR-1260-4    | 9.222  | 0.000 | 3534238  | 0        | 18.101   | N.D. #     |
| 35)                         | L7 AR-1260-5    | 9.583  | 8.338 | 2592850  | 3531016  | 5.671    | 5.509      |
| 36)                         | L8 AR-1262-1    | 0.000  | 7.786 | 0        | 6451844  | N.D.     | 33.061 #   |
| 37)                         | L8 AR-1262-2    | 9.583  | 8.338 | 2592850  | 3531016  | 4.502    | 4.463      |
| 43)                         | L9 AR-1268-3    | 10.285 | 0.000 | 2234977  | 0        | 3.894    | N.D. #     |
| 45)                         | L9 AR-1268-5    | 11.225 | 0.000 | 2229819  | 0        | 1.026    | N.D. #     |
| -----                       |                 |        |       |          |          |          |            |

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

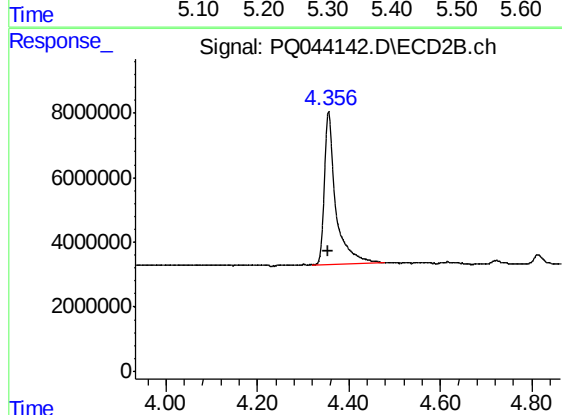




#1 Tetrachloro-m-xylene

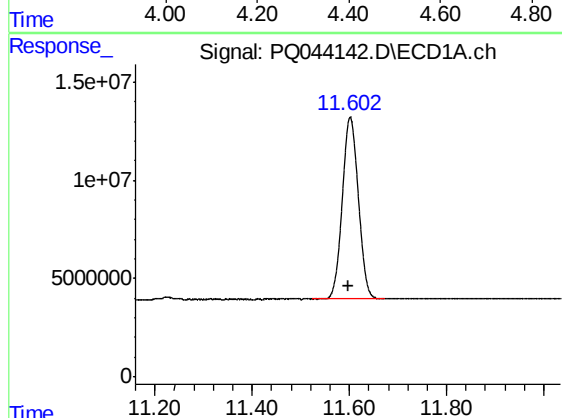
R.T.: 5.319 min  
Delta R.T.: 0.002 min  
Response: 69408976  
Conc: 17.85 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



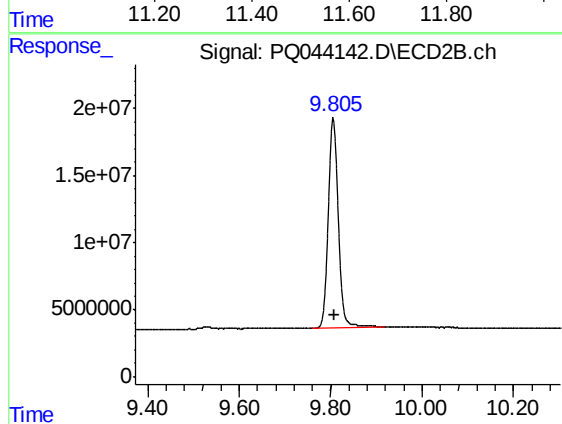
#1 Tetrachloro-m-xylene

R.T.: 4.356 min  
Delta R.T.: 0.000 min  
Response: 80622993  
Conc: 18.06 ng/ml



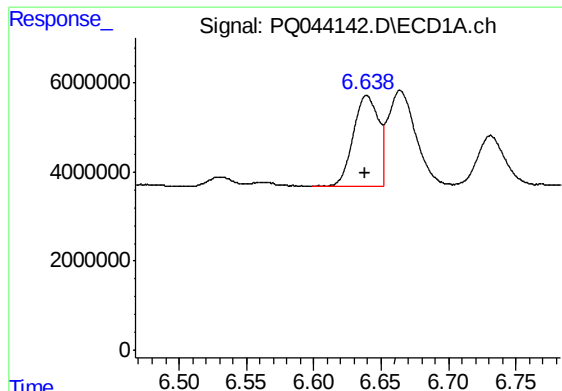
#2 Decachlorobiphenyl

R.T.: 11.602 min  
Delta R.T.: 0.003 min  
Response: 212270374  
Conc: 39.62 ng/ml



#2 Decachlorobiphenyl

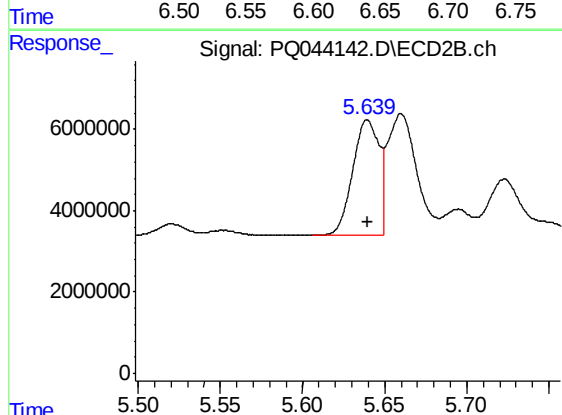
R.T.: 9.806 min  
Delta R.T.: -0.003 min  
Response: 237203989  
Conc: 39.66 ng/ml



#3 AR-1016-1

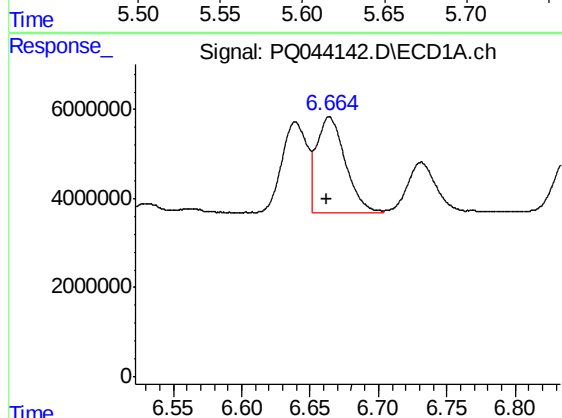
R.T.: 6.639 min  
Delta R.T.: 0.000 min  
Response: 26293519  
Conc: 231.69 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



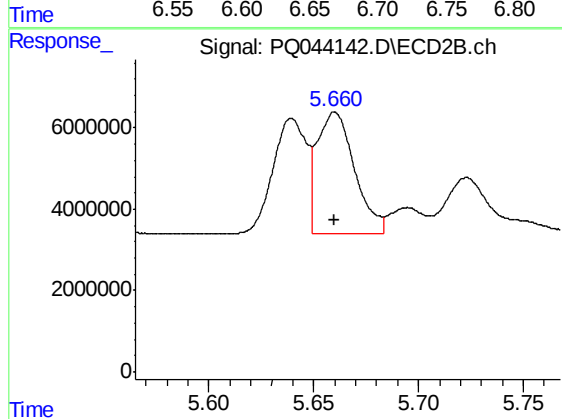
#3 AR-1016-1

R.T.: 5.639 min  
Delta R.T.: 0.000 min  
Response: 31427863  
Conc: 229.11 ng/ml



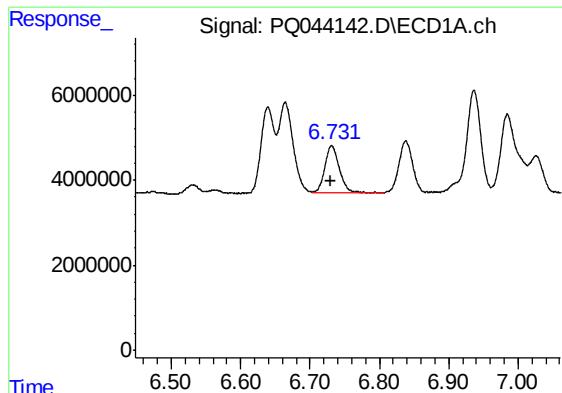
#4 AR-1016-2

R.T.: 6.664 min  
Delta R.T.: 0.002 min  
Response: 31149778  
Conc: 193.08 ng/ml



#4 AR-1016-2

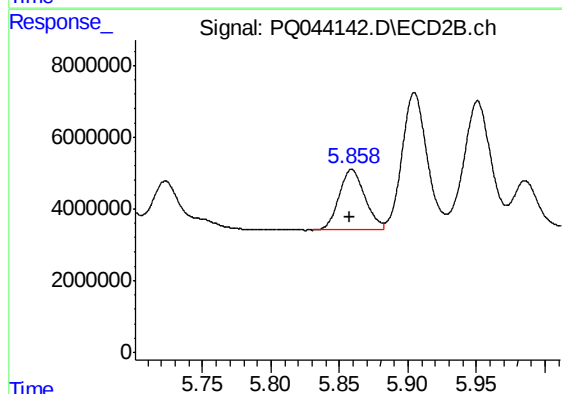
R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 36957392  
Conc: 166.90 ng/ml



#5 AR-1016-3

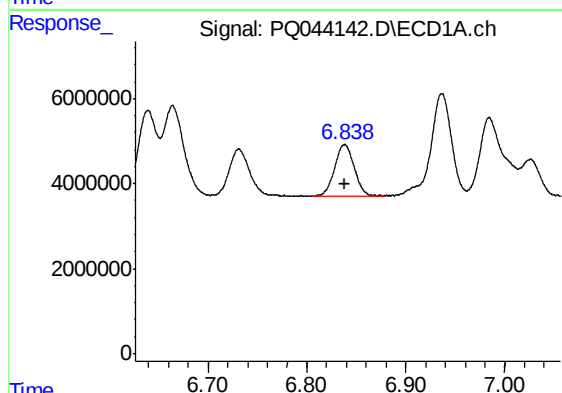
R.T.: 6.731 min  
Delta R.T.: 0.000 min  
Response: 16644781  
Conc: 163.53 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



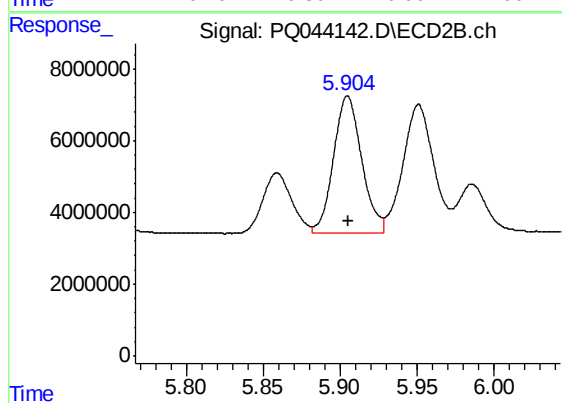
#5 AR-1016-3

R.T.: 5.859 min  
Delta R.T.: 0.001 min  
Response: 22159936  
Conc: 212.35 ng/ml



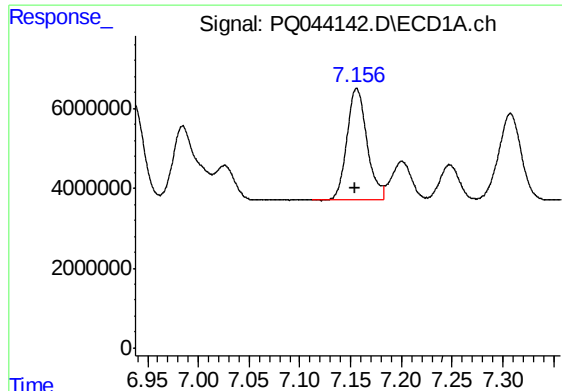
#6 AR-1016-4

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 17001497  
Conc: 205.76 ng/ml



#6 AR-1016-4

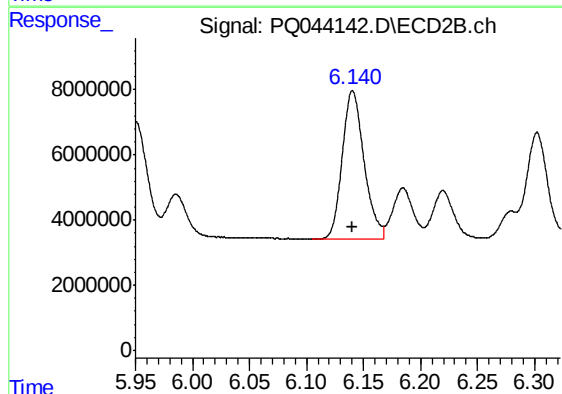
R.T.: 5.905 min  
Delta R.T.: 0.000 min  
Response: 48642752  
Conc: 520.50 ng/ml



#7 AR-1016-5

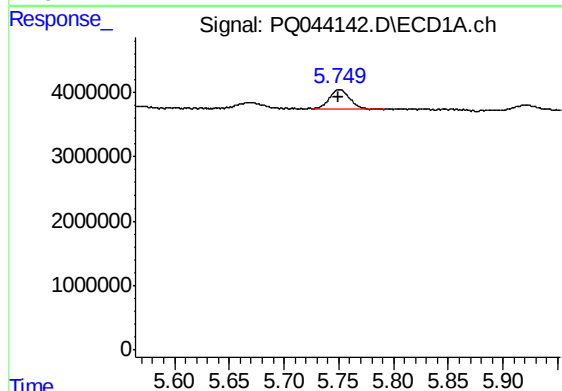
R.T.: 7.156 min  
Delta R.T.: 0.001 min  
Response: 38543639  
Conc: 509.60 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



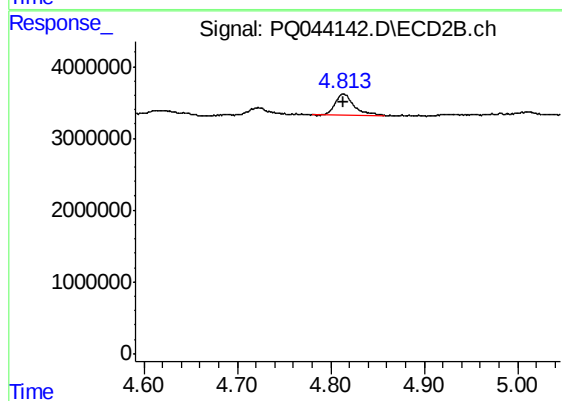
#7 AR-1016-5

R.T.: 6.140 min  
Delta R.T.: 0.000 min  
Response: 60768389  
Conc: 496.96 ng/ml



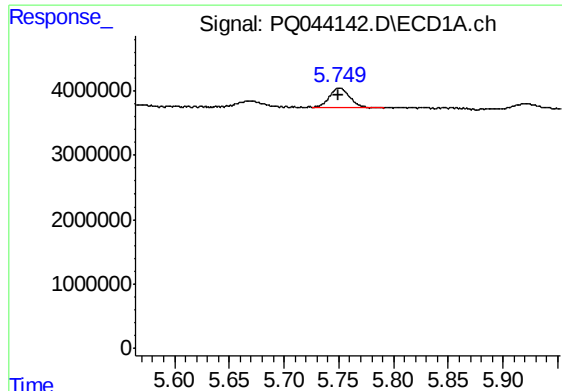
#10 AR-1221-3

R.T.: 5.750 min  
Delta R.T.: 0.001 min  
Response: 4058878  
Conc: 41.73 ng/ml



#10 AR-1221-3

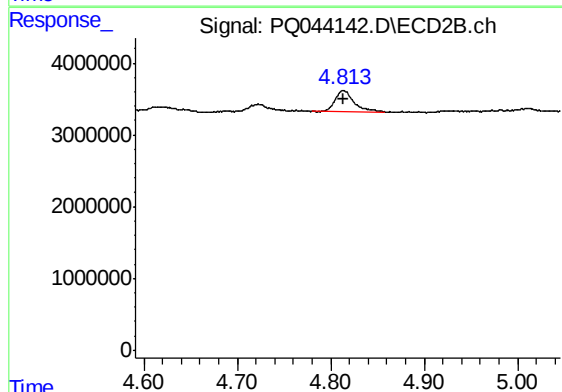
R.T.: 4.813 min  
Delta R.T.: 0.000 min  
Response: 4177251  
Conc: 39.78 ng/ml



#11 AR-1232-1

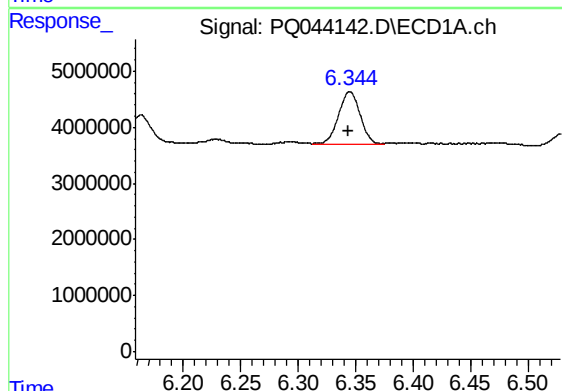
R.T.: 5.750 min  
Delta R.T.: 0.000 min  
Response: 4058878  
Conc: 48.37 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



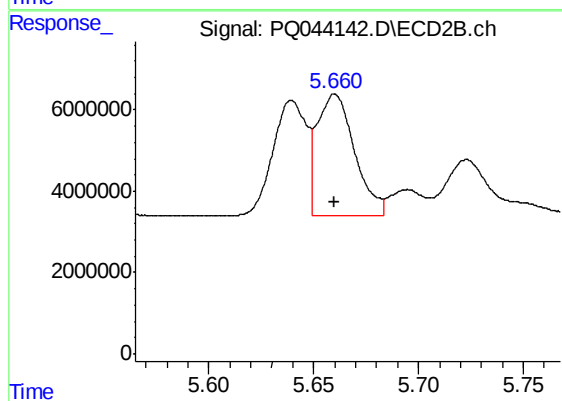
#11 AR-1232-1

R.T.: 4.813 min  
Delta R.T.: 0.000 min  
Response: 4177251  
Conc: 45.14 ng/ml



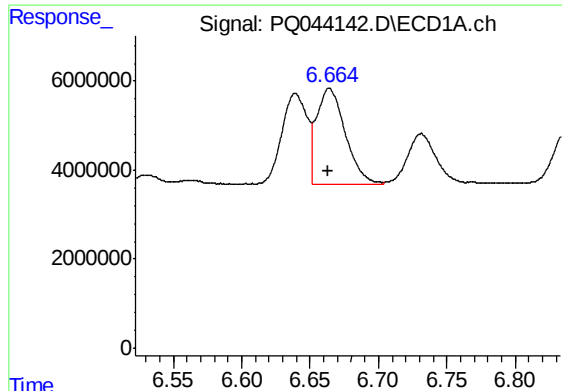
#12 AR-1232-2

R.T.: 6.345 min  
Delta R.T.: 0.000 min  
Response: 11986000  
Conc: 308.56 ng/ml



#12 AR-1232-2

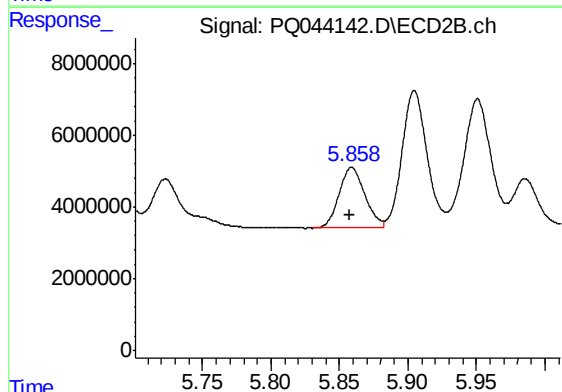
R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 36957392  
Conc: 350.41 ng/ml



#13 AR-1232-3

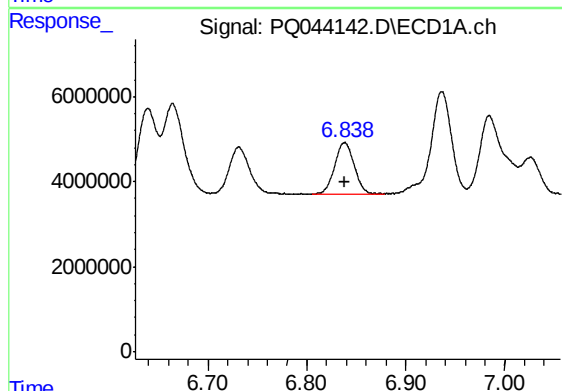
R.T.: 6.664 min  
Delta R.T.: 0.000 min  
Response: 31149778  
Conc: 406.04 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



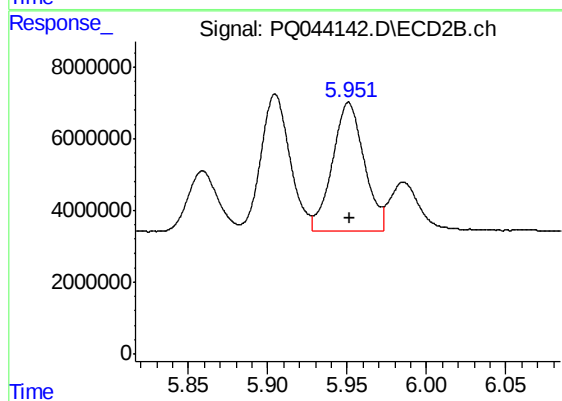
#13 AR-1232-3

R.T.: 5.859 min  
Delta R.T.: 0.001 min  
Response: 22159936  
Conc: 448.42 ng/ml



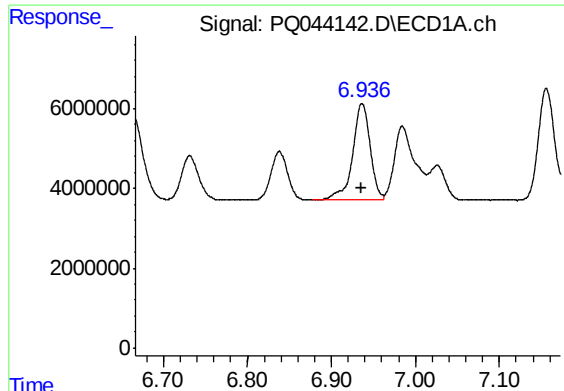
#14 AR-1232-4

R.T.: 6.838 min  
Delta R.T.: 0.000 min  
Response: 17001497  
Conc: 448.22 ng/ml



#14 AR-1232-4

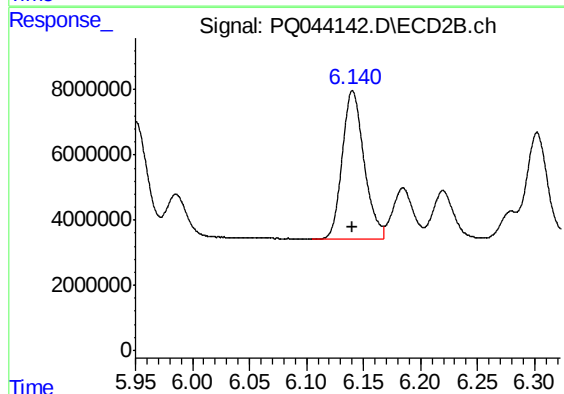
R.T.: 5.951 min  
Delta R.T.: 0.000 min  
Response: 49732347  
Conc: 1054.51 ng/ml



#15 AR-1232-5

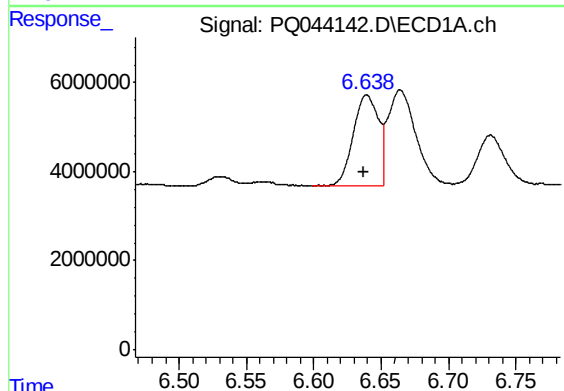
R.T.: 6.936 min  
Delta R.T.: 0.001 min  
Response: 35510068  
Conc: 1259.43 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



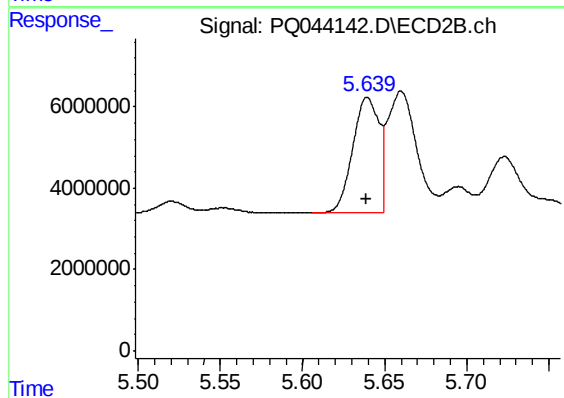
#15 AR-1232-5

R.T.: 6.140 min  
Delta R.T.: 0.000 min  
Response: 60768389  
Conc: 1111.68 ng/ml



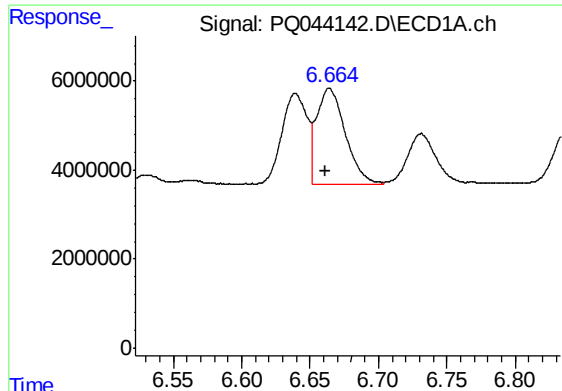
#16 AR-1242-1

R.T.: 6.639 min  
Delta R.T.: 0.002 min  
Response: 26293519  
Conc: 269.32 ng/ml



#16 AR-1242-1

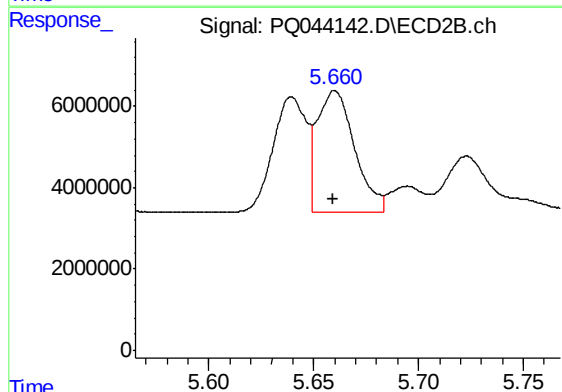
R.T.: 5.639 min  
Delta R.T.: 0.000 min  
Response: 31427863  
Conc: 265.16 ng/ml



#17 AR-1242-2

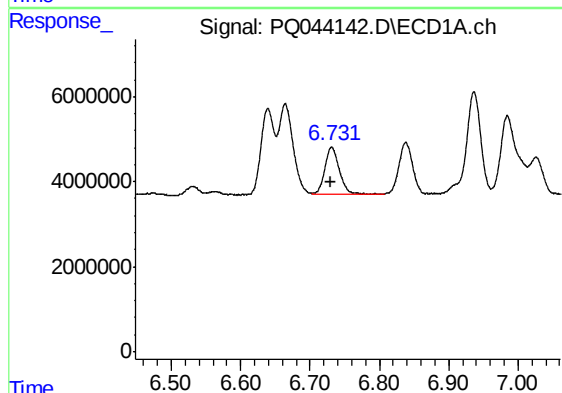
R.T.: 6.664 min  
Delta R.T.: 0.002 min  
Response: 31149778  
Conc: 223.95 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



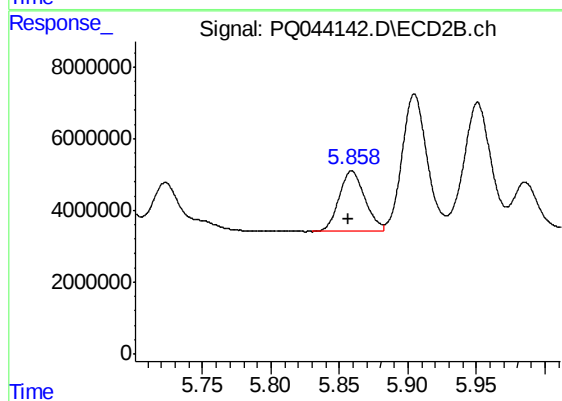
#17 AR-1242-2

R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 36957392  
Conc: 195.90 ng/ml



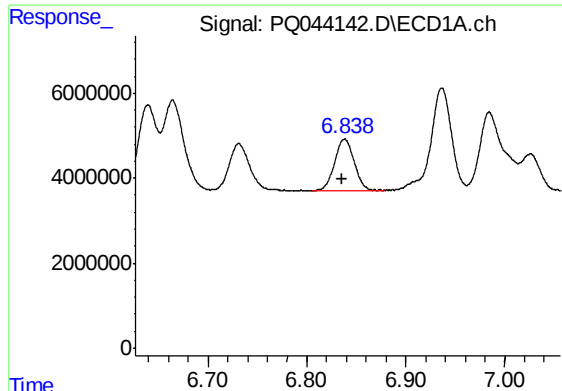
#18 AR-1242-3

R.T.: 6.731 min  
Delta R.T.: 0.002 min  
Response: 16644781  
Conc: 187.29 ng/ml



#18 AR-1242-3

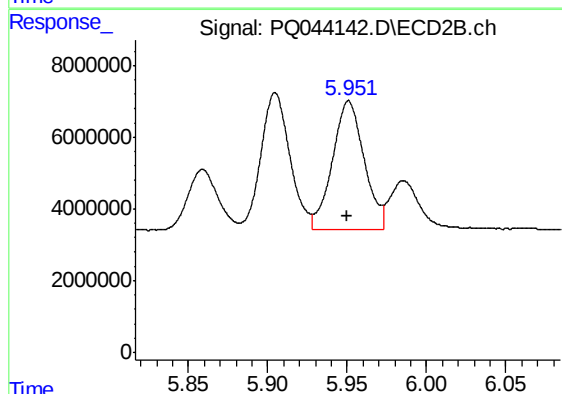
R.T.: 5.859 min  
Delta R.T.: 0.002 min  
Response: 22159936  
Conc: 239.60 ng/ml



#19 AR-1242-4

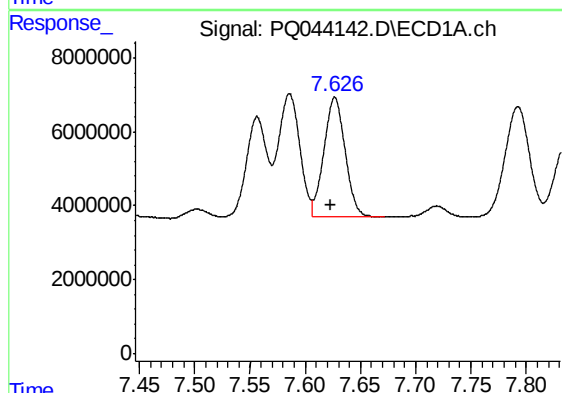
R.T.: 6.838 min  
Delta R.T.: 0.002 min  
Response: 17001497  
Conc: 238.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



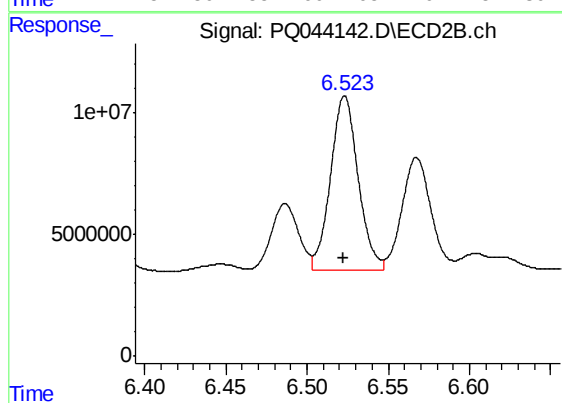
#19 AR-1242-4

R.T.: 5.951 min  
Delta R.T.: 0.001 min  
Response: 49732347  
Conc: 505.98 ng/ml



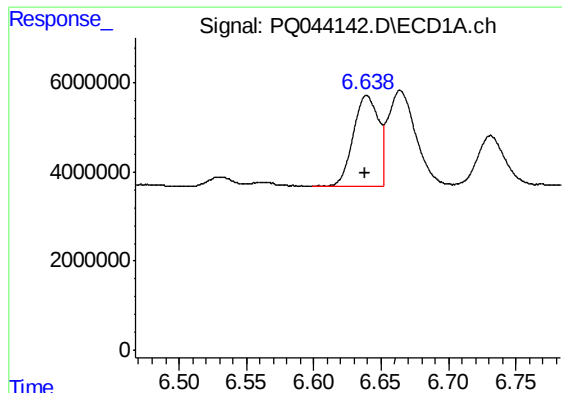
#20 AR-1242-5

R.T.: 7.627 min  
Delta R.T.: 0.003 min  
Response: 43416609  
Conc: 571.08 ng/ml



#20 AR-1242-5

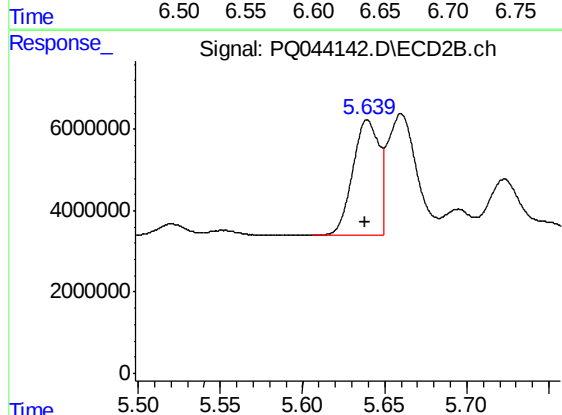
R.T.: 6.523 min  
Delta R.T.: 0.000 min  
Response: 85566205  
Conc: 671.50 ng/ml



#21 AR-1248-1

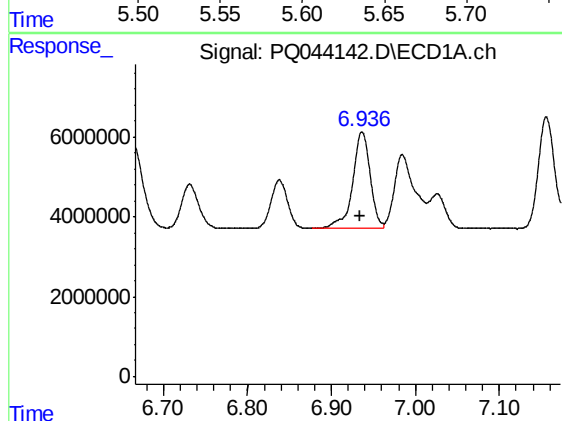
R.T.: 6.639 min  
Delta R.T.: 0.001 min  
Response: 26293519  
Conc: 358.34 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



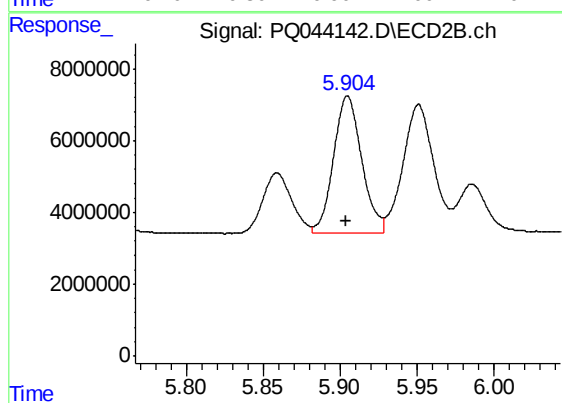
#21 AR-1248-1

R.T.: 5.639 min  
Delta R.T.: 0.000 min  
Response: 31427863  
Conc: 347.07 ng/ml



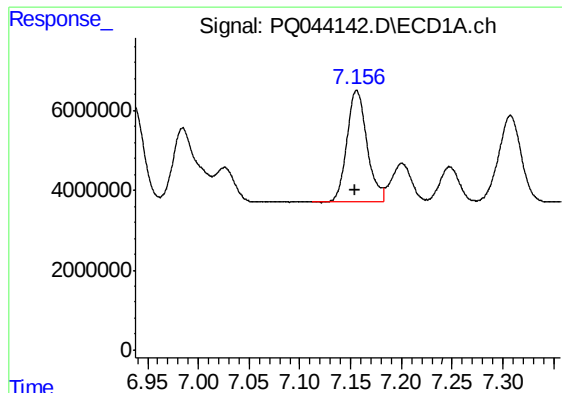
#22 AR-1248-2

R.T.: 6.936 min  
Delta R.T.: 0.003 min  
Response: 35510068  
Conc: 358.47 ng/ml



#22 AR-1248-2

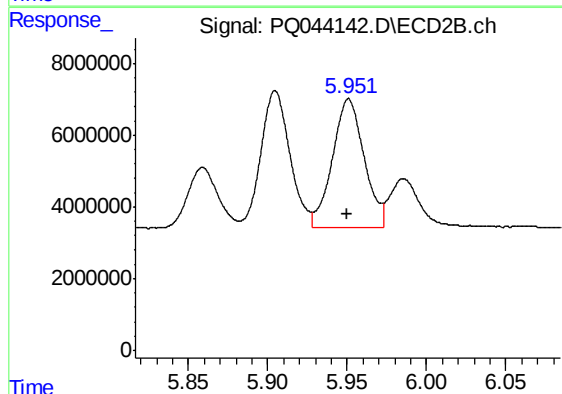
R.T.: 5.905 min  
Delta R.T.: 0.000 min  
Response: 48642752  
Conc: 350.94 ng/ml



#23 AR-1248-3

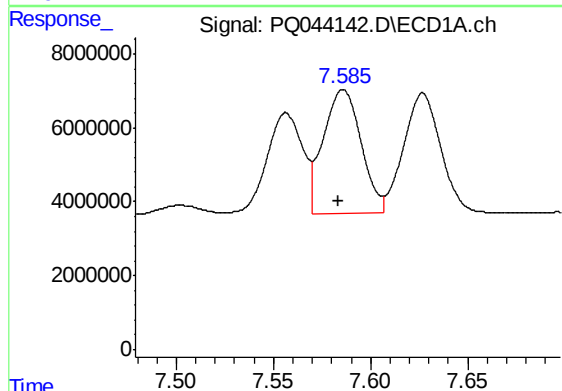
R.T.: 7.156 min  
Delta R.T.: 0.001 min  
Response: 38543639  
Conc: 356.89 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



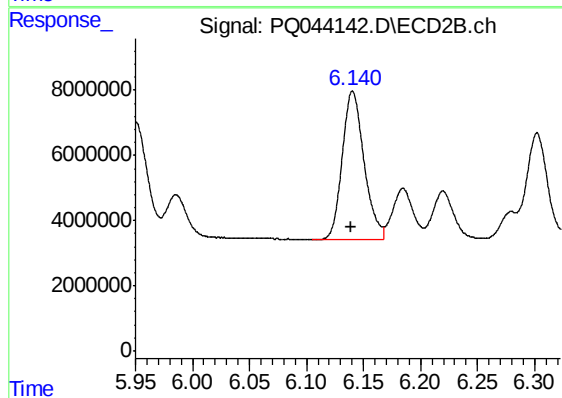
#23 AR-1248-3

R.T.: 5.951 min  
Delta R.T.: 0.000 min  
Response: 49732347  
Conc: 351.65 ng/ml



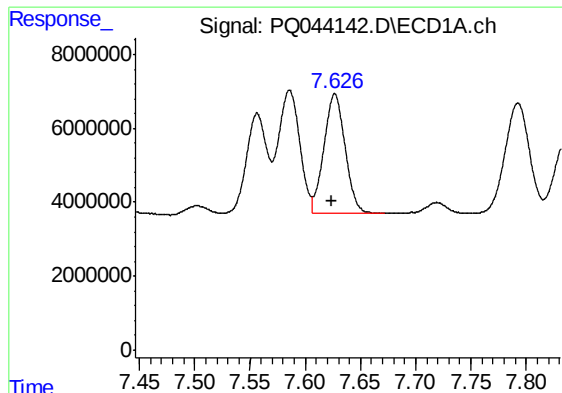
#24 AR-1248-4

R.T.: 7.586 min  
Delta R.T.: 0.002 min  
Response: 45341593  
Conc: 360.13 ng/ml



#24 AR-1248-4

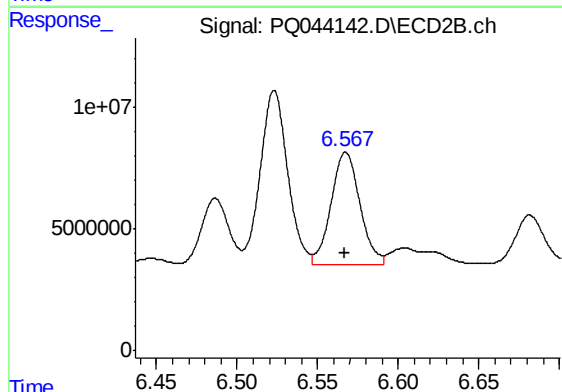
R.T.: 6.140 min  
Delta R.T.: 0.000 min  
Response: 60768389  
Conc: 353.79 ng/ml



#25 AR-1248-5

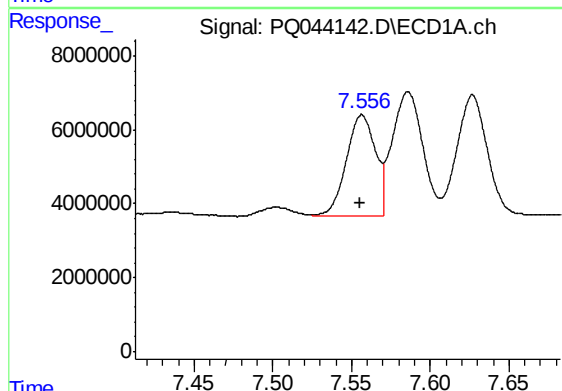
R.T.: 7.627 min  
Delta R.T.: 0.002 min  
Response: 43416609  
Conc: 358.58 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



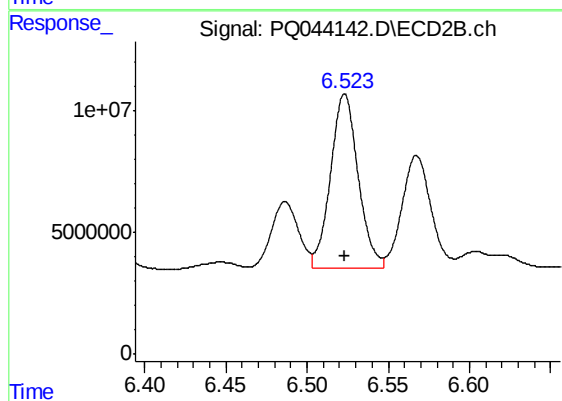
#25 AR-1248-5

R.T.: 6.567 min  
Delta R.T.: 0.000 min  
Response: 57936425  
Conc: 346.06 ng/ml



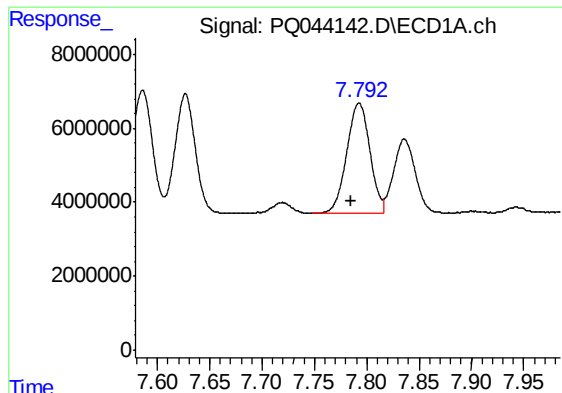
#26 AR-1254-1

R.T.: 7.556 min  
Delta R.T.: 0.001 min  
Response: 34960510  
Conc: 259.82 ng/ml



#26 AR-1254-1

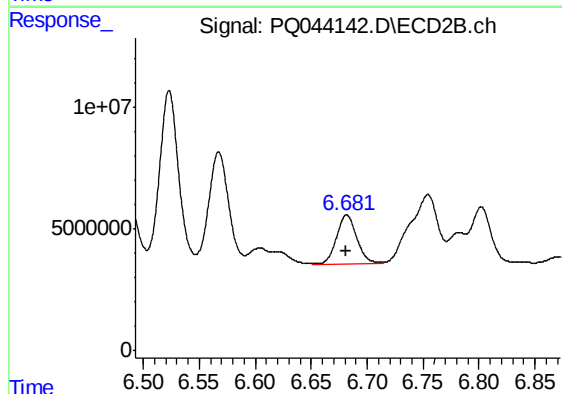
R.T.: 6.523 min  
Delta R.T.: 0.000 min  
Response: 85566205  
Conc: 293.37 ng/ml



#27 AR-1254-2

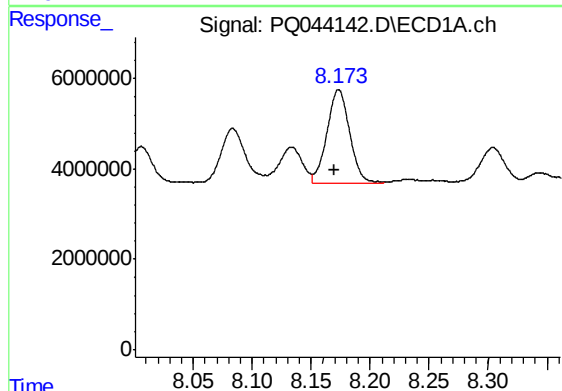
R.T.: 7.793 min  
Delta R.T.: 0.008 min  
Response: 45952913  
Conc: 215.11 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



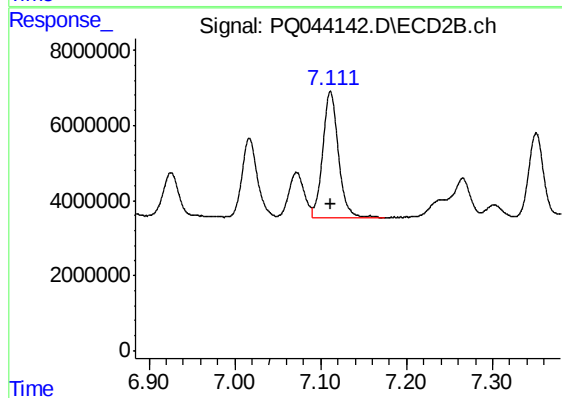
#27 AR-1254-2

R.T.: 6.682 min  
Delta R.T.: 0.000 min  
Response: 25642540  
Conc: 98.21 ng/ml



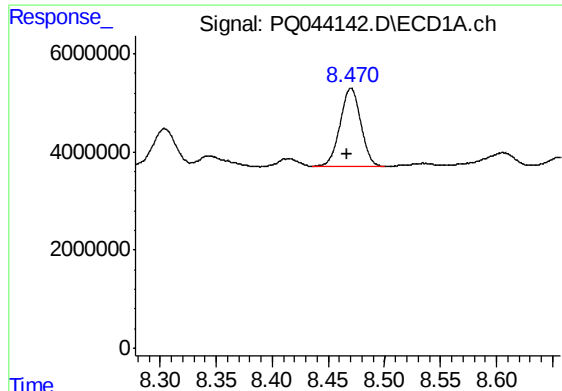
#28 AR-1254-3

R.T.: 8.173 min  
Delta R.T.: 0.003 min  
Response: 27510819  
Conc: 111.81 ng/ml



#28 AR-1254-3

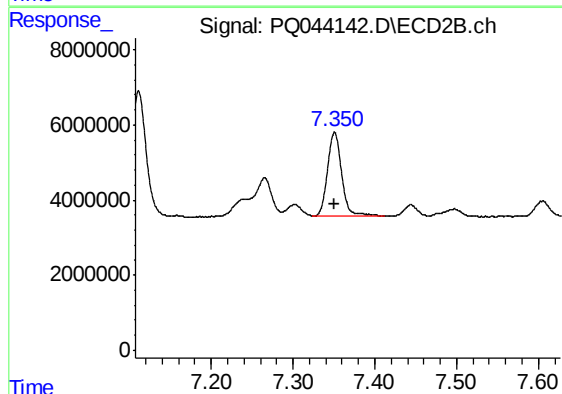
R.T.: 7.111 min  
Delta R.T.: 0.000 min  
Response: 42483161  
Conc: 97.24 ng/ml



#29 AR-1254-4

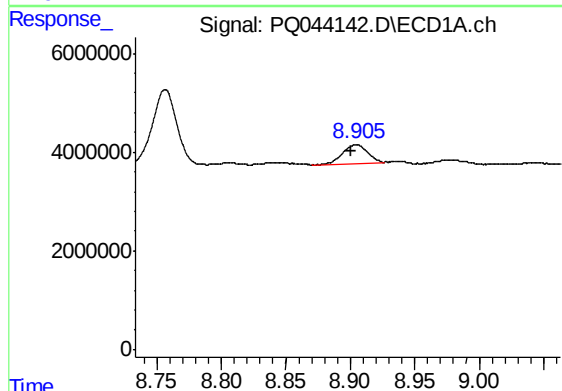
R.T.: 8.470 min  
Delta R.T.: 0.004 min  
Response: 20601194  
Conc: 102.72 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



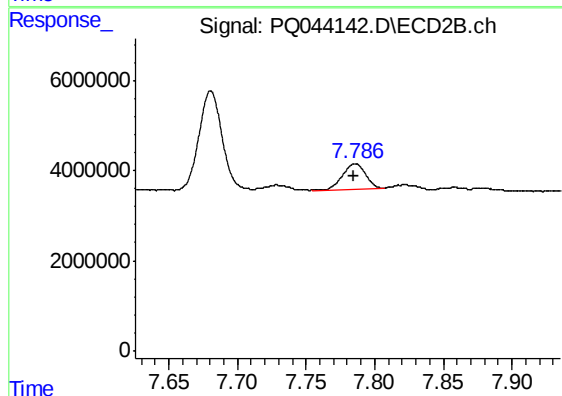
#29 AR-1254-4

R.T.: 7.351 min  
Delta R.T.: 0.000 min  
Response: 27028402  
Conc: 100.62 ng/ml



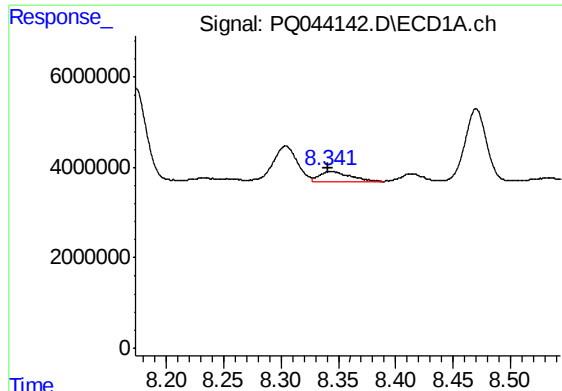
#30 AR-1254-5

R.T.: 8.905 min  
Delta R.T.: 0.004 min  
Response: 5004630  
Conc: 20.91 ng/ml



#30 AR-1254-5

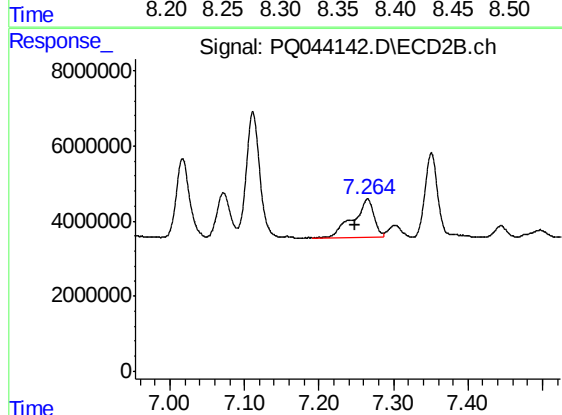
R.T.: 7.786 min  
Delta R.T.: 0.001 min  
Response: 6451844  
Conc: 16.14 ng/ml



#31 AR-1260-1

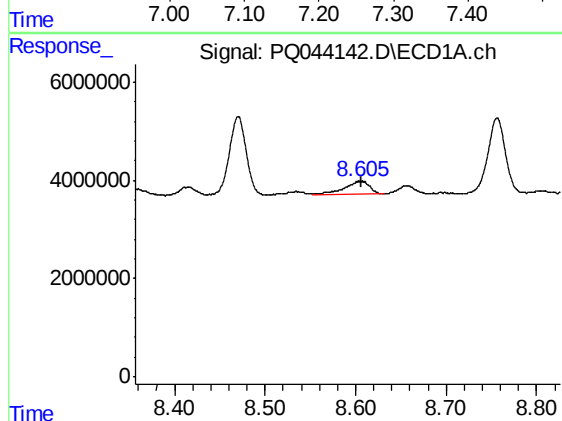
R.T.: 8.343 min  
Delta R.T.: 0.001 min  
Response: 4063012  
Conc: 26.99 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



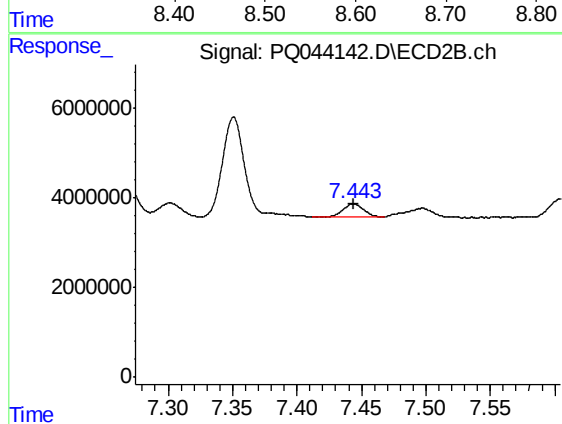
#31 AR-1260-1

R.T.: 7.265 min  
Delta R.T.: 0.017 min  
Response: 20123836  
Conc: 82.77 ng/ml



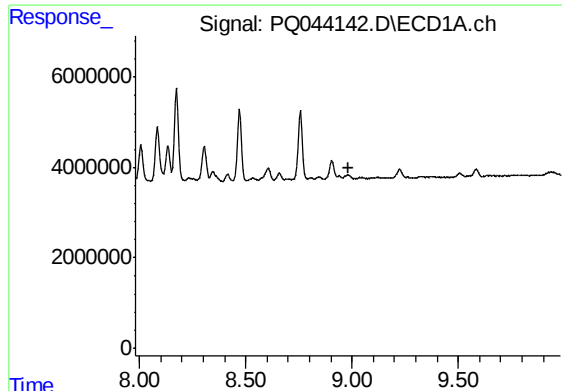
#32 AR-1260-2

R.T.: 8.606 min  
Delta R.T.: -0.001 min  
Response: 5234130  
Conc: 26.59 ng/ml



#32 AR-1260-2

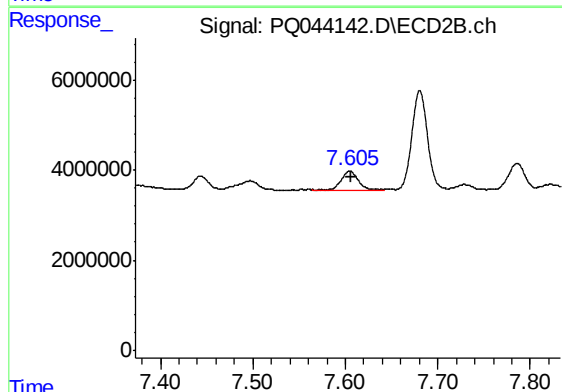
R.T.: 7.444 min  
Delta R.T.: 0.000 min  
Response: 3104576  
Conc: 10.28 ng/ml



#33 AR-1260-3

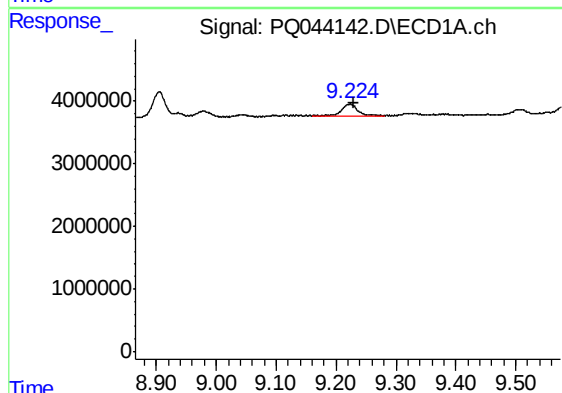
R.T.: 0.000 min  
Exp R.T. : 8.981 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



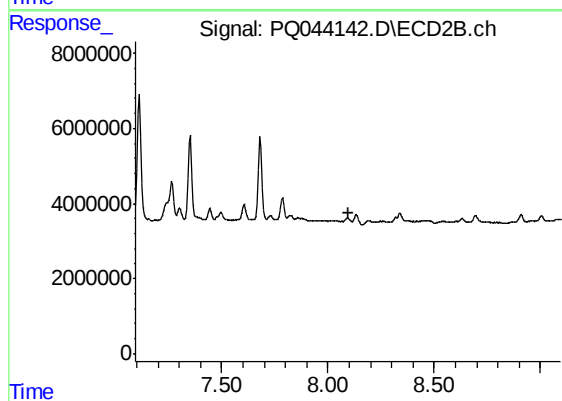
#33 AR-1260-3

R.T.: 7.605 min  
Delta R.T.: 0.000 min  
Response: 5065803  
Conc: 18.00 ng/ml



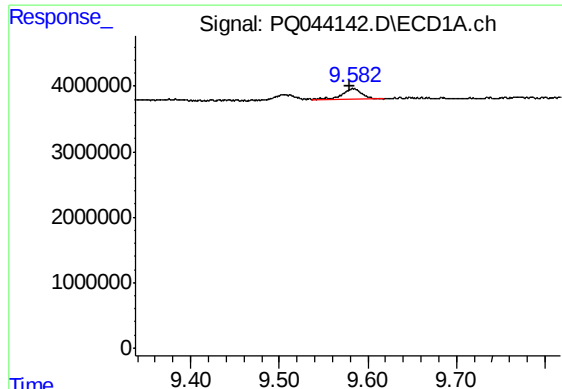
#34 AR-1260-4

R.T.: 9.222 min  
Delta R.T.: -0.007 min  
Response: 3534238  
Conc: 18.10 ng/ml



#34 AR-1260-4

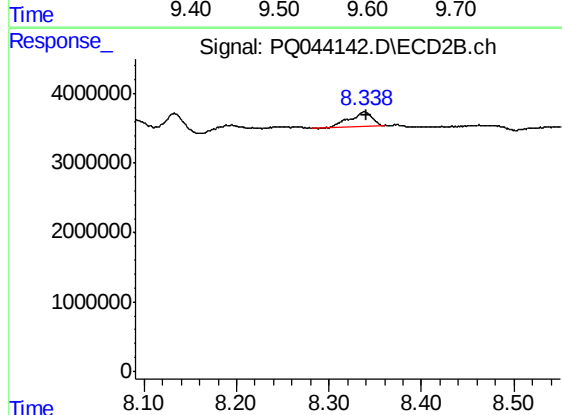
R.T.: 0.000 min  
Exp R.T. : 8.094 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

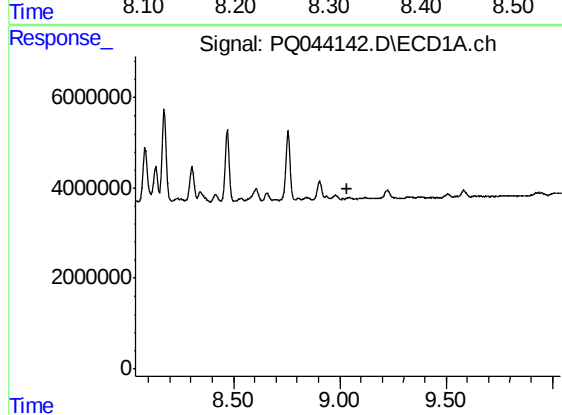
R.T.: 9.583 min  
Delta R.T.: 0.003 min  
Response: 2592850  
Conc: 5.67 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



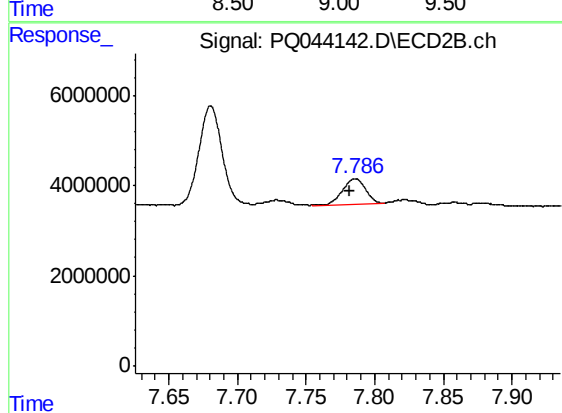
#35 AR-1260-5

R.T.: 8.338 min  
Delta R.T.: -0.002 min  
Response: 3531016  
Conc: 5.51 ng/ml



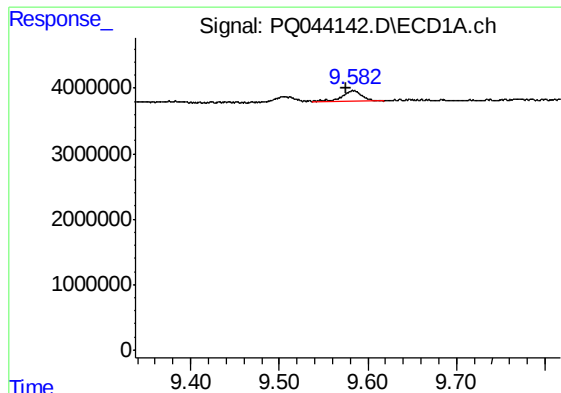
#36 AR-1262-1

R.T.: 0.000 min  
Exp R.T. : 9.038 min  
Response: 0  
Conc: N.D.



#36 AR-1262-1

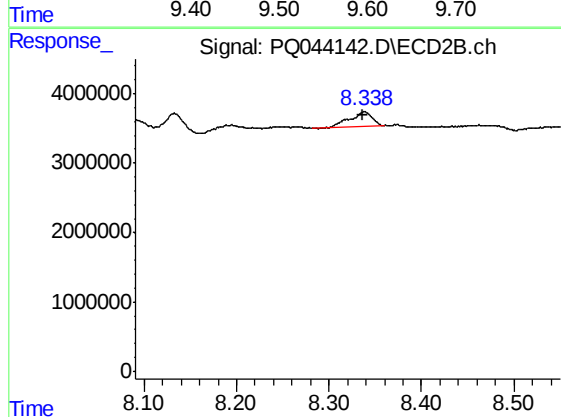
R.T.: 7.786 min  
Delta R.T.: 0.004 min  
Response: 6451844  
Conc: 33.06 ng/ml



#37 AR-1262-2

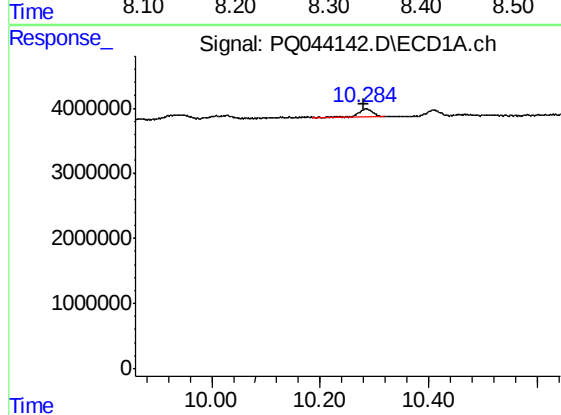
R.T.: 9.583 min  
Delta R.T.: 0.007 min  
Response: 2592850  
Conc: 4.50 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



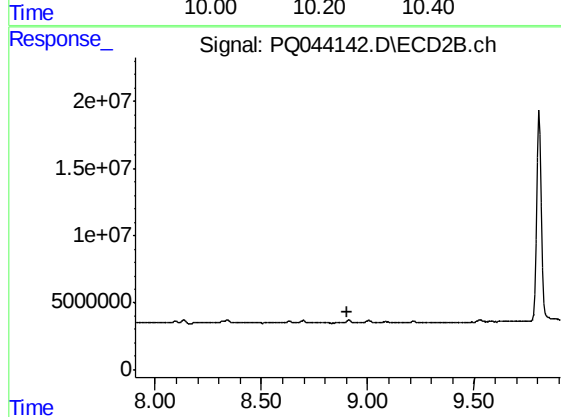
#37 AR-1262-2

R.T.: 8.338 min  
Delta R.T.: 0.002 min  
Response: 3531016  
Conc: 4.46 ng/ml



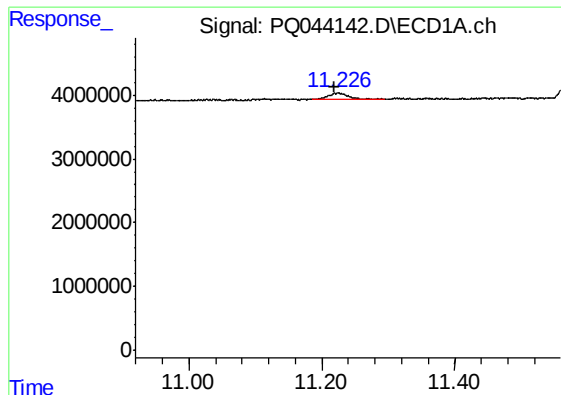
#43 AR-1268-3

R.T.: 10.285 min  
Delta R.T.: 0.005 min  
Response: 2234977  
Conc: 3.89 ng/ml



#43 AR-1268-3

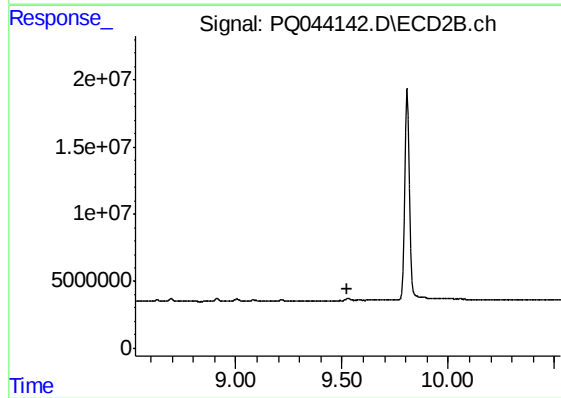
R.T.: 0.000 min  
Exp R.T. : 8.907 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 11.225 min  
Delta R.T.: 0.005 min  
Response: 2229819  
Conc: 1.03 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248307



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T. : 9.527 min  
Response: 0  
Conc: N.D.