

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ101019\  
 Data File : PQ044229.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Oct 2019 19:50  
 Operator : HP\AJ  
 Sample : AR1248CCC400  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 AR1248312

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 02:42:50 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... | 5.318  | 4.355 | 86927524 | 97908104 | 22.360   | 21.934     |
| 2)                          | SA Decachlor... | 11.601 | 9.802 | 188.7E6  | 217.0E6  | 35.214   | 36.283     |
| Target Compounds            |                 |        |       |          |          |          |            |
| 3)                          | L1 AR-1016-1    | 6.639  | 5.638 | 33488431 | 37715397 | 295.088  | 274.948    |
| 4)                          | L1 AR-1016-2    | 6.664  | 5.658 | 39801752 | 43984649 | 246.710  | 198.640    |
| 5)                          | L1 AR-1016-3    | 6.731  | 5.857 | 19830551 | 26083755 | 194.826  | 249.948 #  |
| 6)                          | L1 AR-1016-4    | 6.837  | 5.904 | 21402664 | 47714173 | 259.025  | 510.562 #  |
| 7)                          | L1 AR-1016-5    | 7.155  | 6.138 | 47993622 | 81374263 | 634.536  | 665.476    |
| 9)                          | L2 AR-1221-2    | 5.669  | 0.000 | 2273645  | 0        | 78.006   | N.D. #     |
| 10)                         | L2 AR-1221-3    | 5.749  | 4.812 | 5142162  | 4698693  | 52.862   | 44.744     |
| 11)                         | L3 AR-1232-1    | 5.749  | 4.812 | 5142162  | 4698693  | 61.277   | 50.775     |
| 12)                         | L3 AR-1232-2    | 6.344  | 5.658 | 15371934 | 43984649 | 395.725  | 417.036    |
| 13)                         | L3 AR-1232-3    | 6.664  | 5.857 | 39801752 | 26083755 | 518.818  | 527.820    |
| 14)                         | L3 AR-1232-4    | 6.837  | 5.949 | 21402664 | 57534785 | 564.253  | 1219.951 # |
| 15)                         | L3 AR-1232-5    | 6.935  | 6.138 | 44751698 | 81374263 | 1587.199 | 1488.641   |
| 16)                         | L4 AR-1242-1    | 6.639  | 5.638 | 33488431 | 37715397 | 343.016  | 318.204    |
| 17)                         | L4 AR-1242-2    | 6.664  | 5.658 | 39801752 | 43984649 | 286.149  | 233.148    |
| 18)                         | L4 AR-1242-3    | 6.731  | 5.857 | 19830551 | 26083755 | 223.134  | 282.021 #  |
| 19)                         | L4 AR-1242-4    | 6.837  | 5.949 | 21402664 | 57534785 | 299.629  | 585.367 #  |
| 20)                         | L4 AR-1242-5    | 7.625  | 6.521 | 57481496 | 116.6E6  | 756.087  | 915.225    |
| 21)                         | L5 AR-1248-1    | 6.639  | 5.638 | 33488431 | 37715397 | 456.390  | 416.505    |
| 22)                         | L5 AR-1248-2    | 6.935  | 5.904 | 44751698 | 47714173 | 451.763  | 344.245    |
| 23)                         | L5 AR-1248-3    | 7.155  | 5.949 | 47993622 | 57534785 | 444.391  | 406.821    |
| 24)                         | L5 AR-1248-4    | 7.585  | 6.138 | 56070474 | 81374263 | 445.351  | 473.753    |
| 25)                         | L5 AR-1248-5    | 7.625  | 6.565 | 57481496 | 87050091 | 474.747  | 519.952    |
| 26)                         | L6 AR-1254-1    | 7.555  | 6.521 | 45893990 | 116.6E6  | 341.073  | 399.849    |
| 27)                         | L6 AR-1254-2    | 7.792  | 6.680 | 61879223 | 56672695 | 289.662  | 217.055 #  |
| 28)                         | L6 AR-1254-3    | 8.172  | 7.109 | 39675996 | 47345409 | 161.253  | 108.365 #  |
| 29)                         | L6 AR-1254-4    | 8.468  | 7.348 | 30049413 | 30695849 | 149.828  | 114.270    |
| 30)                         | L6 AR-1254-5    | 8.904  | 7.783 | 5974984  | 7104798  | 24.964   | 17.768 #   |
| 31)                         | L7 AR-1260-1    | 8.346  | 7.262 | 10222366 | 23117335 | 67.908   | 95.077 #   |
| 32)                         | L7 AR-1260-2    | 8.604  | 7.439 | 9335795  | 5628573  | 47.435   | 18.647 #   |
| 33)                         | L7 AR-1260-3    | 0.000  | 7.602 | 0        | 8062356  | N.D.     | 28.649 #   |
| 34)                         | L7 AR-1260-4    | 9.217  | 8.130 | 3747190  | 3541045  | 19.191   | 14.076 #   |
| 35)                         | L7 AR-1260-5    | 9.582  | 8.336 | 3058242  | 5262080  | 6.689    | 8.210      |
| 36)                         | L8 AR-1262-1    | 0.000  | 7.783 | 0        | 7104798  | N.D.     | 36.407 #   |
| 37)                         | L8 AR-1262-2    | 9.582  | 8.336 | 3058242  | 5262080  | 5.311    | 6.651 #    |
| -----                       |                 |        |       |          |          |          |            |

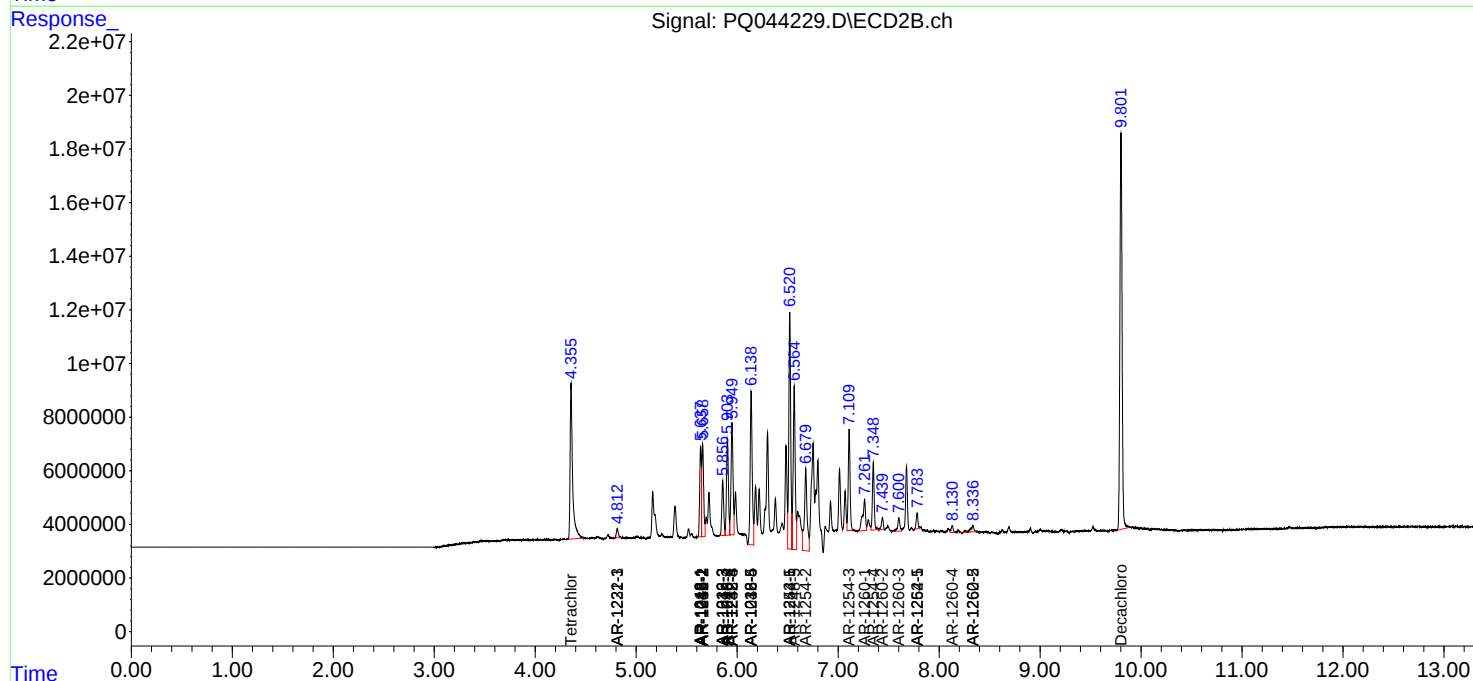
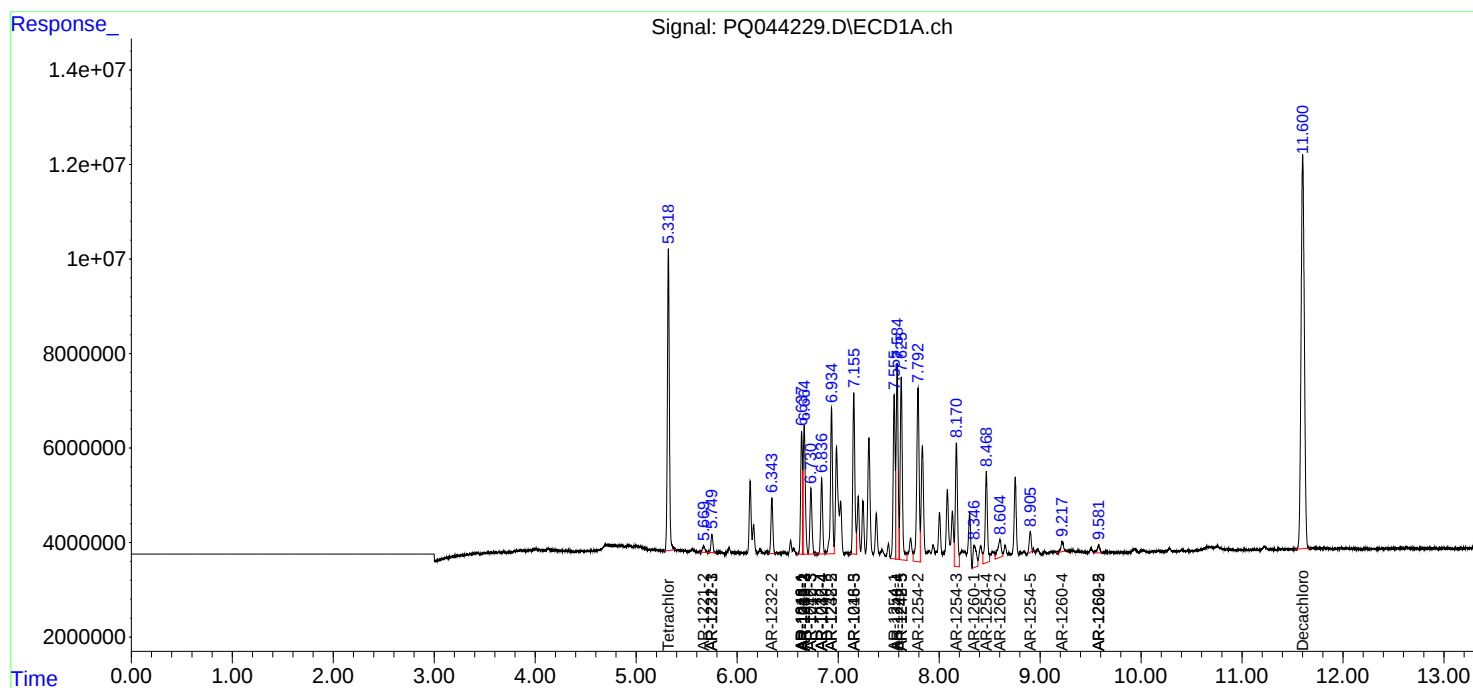
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

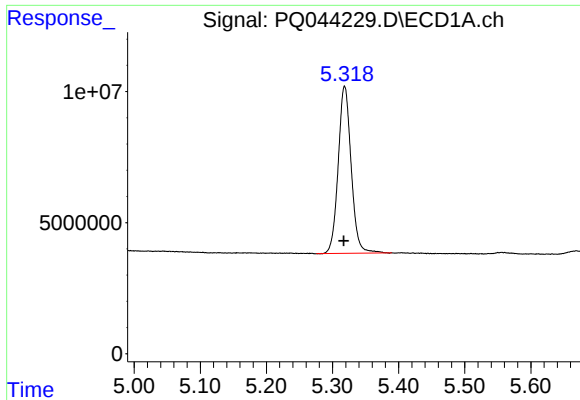
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ101019\  
Data File : PQ044229.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 Oct 2019 19:50  
Operator : HP\AJ  
Sample : AR1248CCC400  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 02:42:50 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

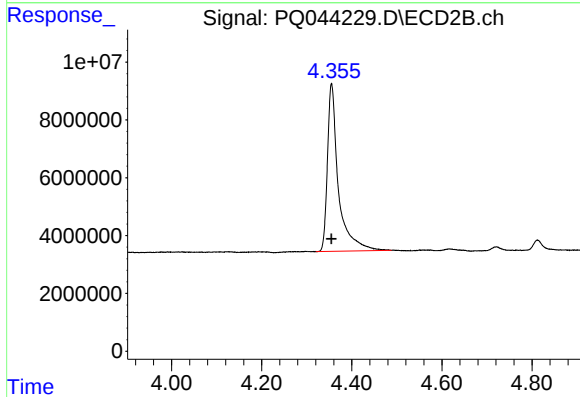




#1 Tetrachloro-m-xylene

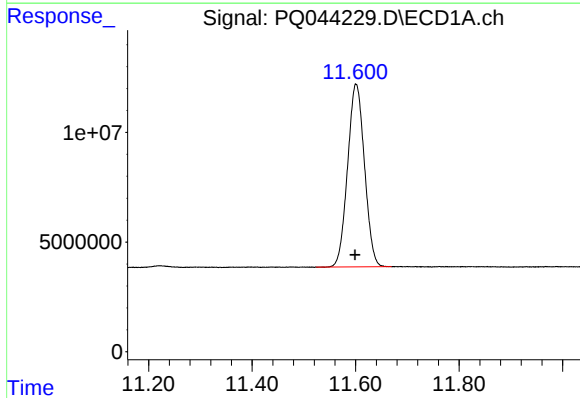
R.T.: 5.318 min  
Delta R.T.: 0.001 min  
Response: 86927524  
Conc: 22.36 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



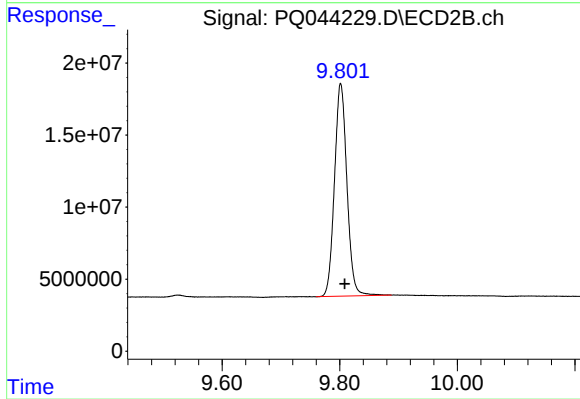
#1 Tetrachloro-m-xylene

R.T.: 4.355 min  
Delta R.T.: 0.000 min  
Response: 97908104  
Conc: 21.93 ng/ml



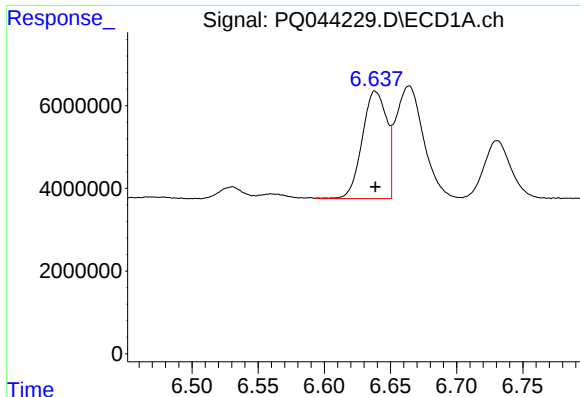
#2 Decachlorobiphenyl

R.T.: 11.601 min  
Delta R.T.: 0.002 min  
Response: 188659578  
Conc: 35.21 ng/ml



#2 Decachlorobiphenyl

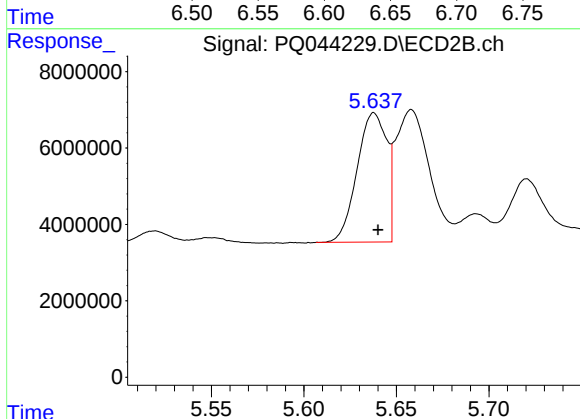
R.T.: 9.802 min  
Delta R.T.: -0.007 min  
Response: 217021910  
Conc: 36.28 ng/ml



#3 AR-1016-1

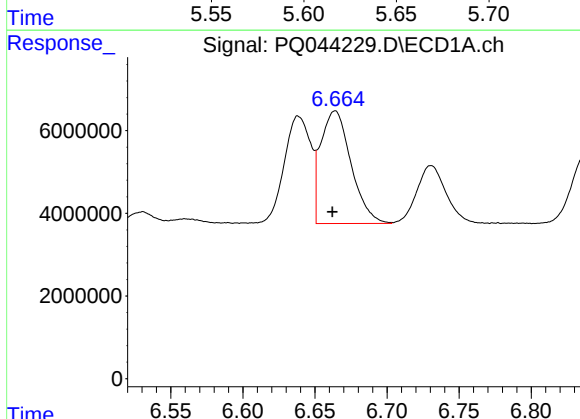
R.T.: 6.639 min  
Delta R.T.: 0.000 min  
Response: 33488431  
Conc: 295.09 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



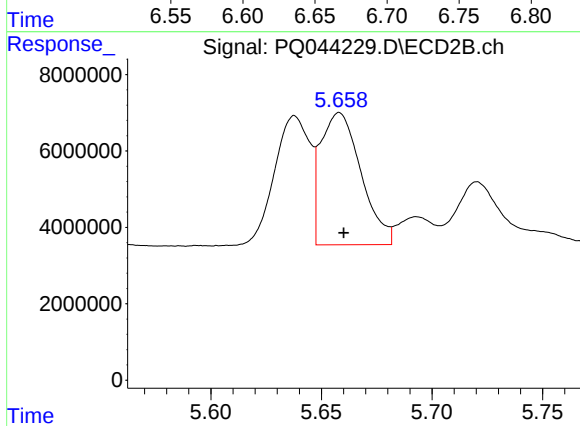
#3 AR-1016-1

R.T.: 5.638 min  
Delta R.T.: -0.002 min  
Response: 37715397  
Conc: 274.95 ng/ml



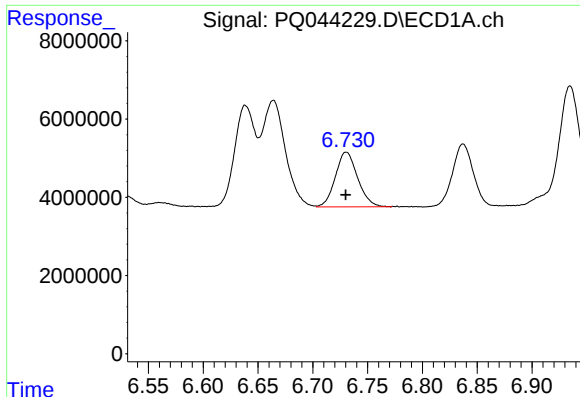
#4 AR-1016-2

R.T.: 6.664 min  
Delta R.T.: 0.002 min  
Response: 39801752  
Conc: 246.71 ng/ml



#4 AR-1016-2

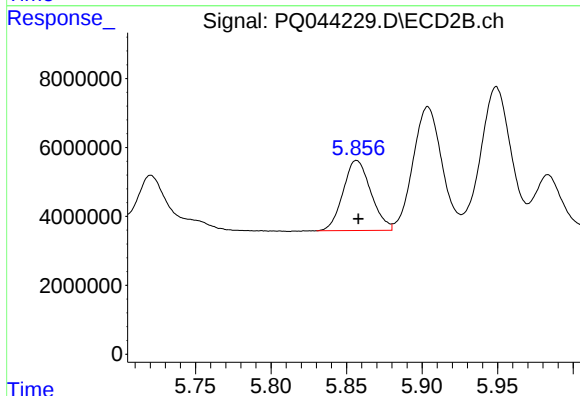
R.T.: 5.658 min  
Delta R.T.: -0.002 min  
Response: 43984649  
Conc: 198.64 ng/ml



#5 AR-1016-3

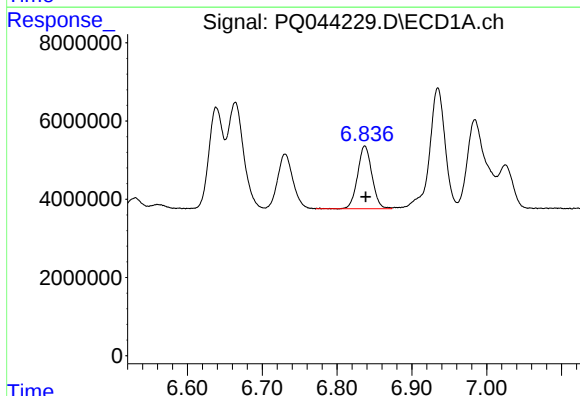
R.T.: 6.731 min  
Delta R.T.: 0.000 min  
Response: 19830551  
Conc: 194.83 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



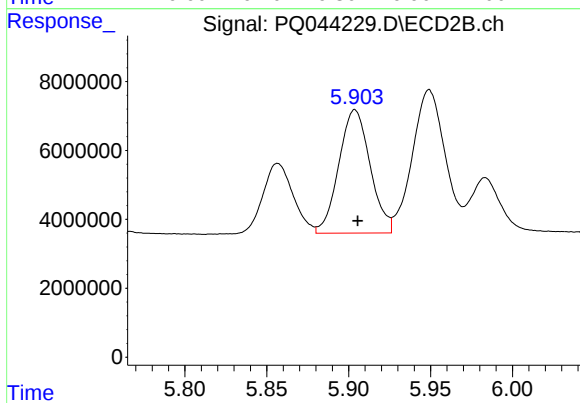
#5 AR-1016-3

R.T.: 5.857 min  
Delta R.T.: -0.001 min  
Response: 26083755  
Conc: 249.95 ng/ml



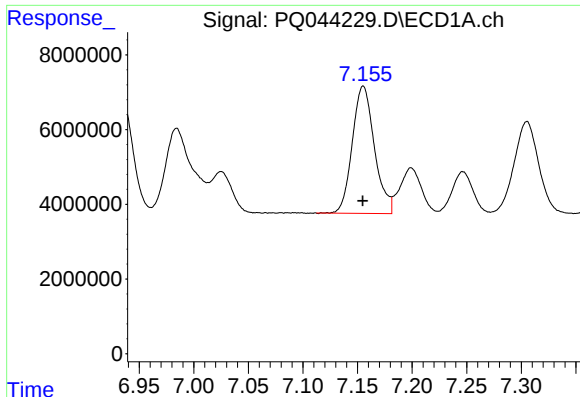
#6 AR-1016-4

R.T.: 6.837 min  
Delta R.T.: -0.001 min  
Response: 21402664  
Conc: 259.02 ng/ml



#6 AR-1016-4

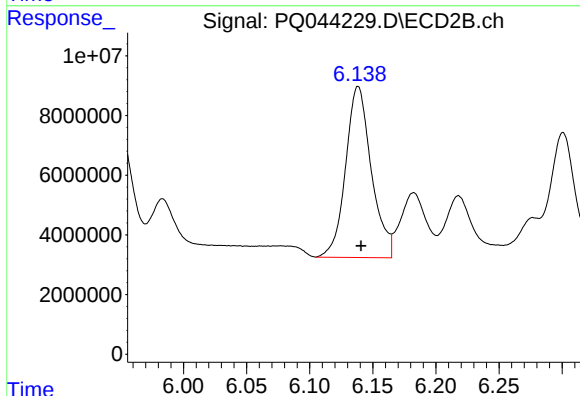
R.T.: 5.904 min  
Delta R.T.: -0.002 min  
Response: 47714173  
Conc: 510.56 ng/ml



#7 AR-1016-5

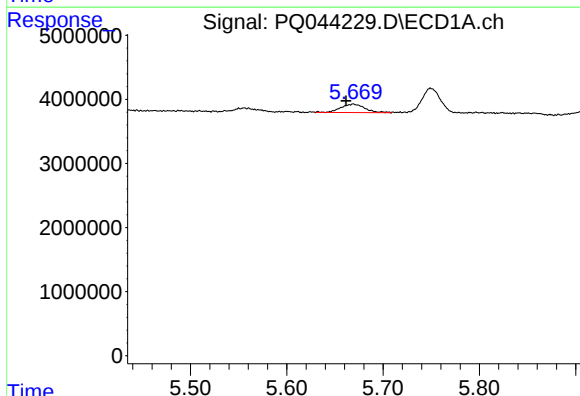
R.T.: 7.155 min  
Delta R.T.: 0.000 min  
Response: 47993622  
Conc: 634.54 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



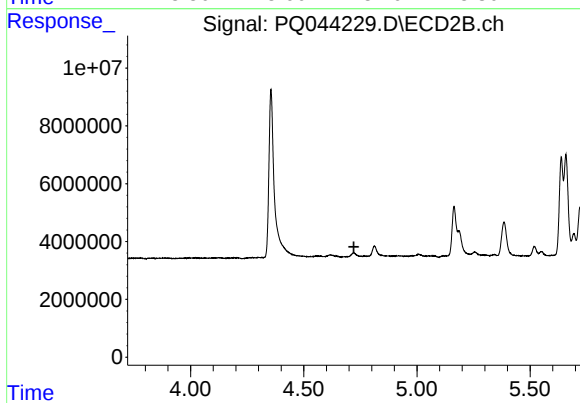
#7 AR-1016-5

R.T.: 6.138 min  
Delta R.T.: -0.002 min  
Response: 81374263  
Conc: 665.48 ng/ml



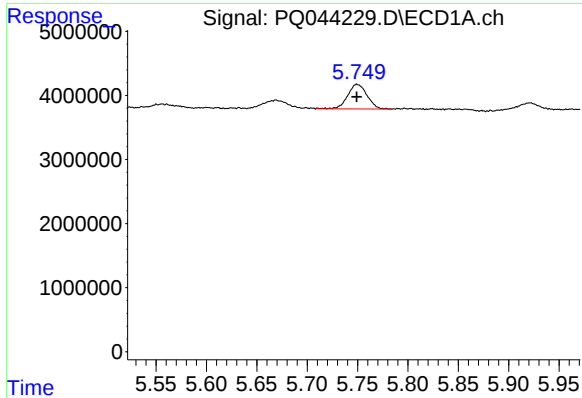
#9 AR-1221-2

R.T.: 5.669 min  
Delta R.T.: 0.008 min  
Response: 2273645  
Conc: 78.01 ng/ml



#9 AR-1221-2

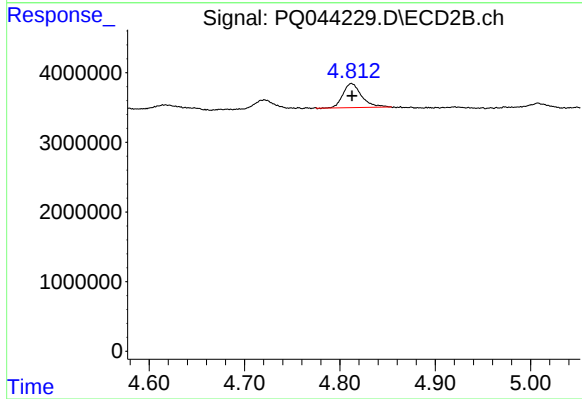
R.T.: 0.000 min  
Exp R.T.: 4.722 min  
Response: 0  
Conc: N.D.



#10 AR-1221-3

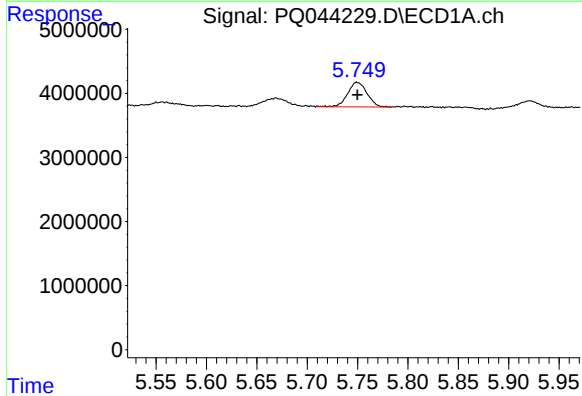
R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 5142162  
Conc: 52.86 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



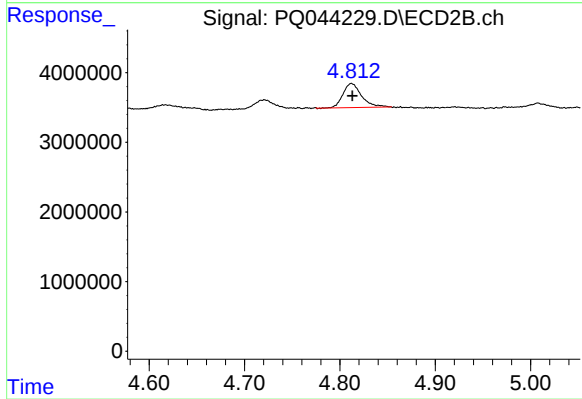
#10 AR-1221-3

R.T.: 4.812 min  
Delta R.T.: 0.000 min  
Response: 4698693  
Conc: 44.74 ng/ml



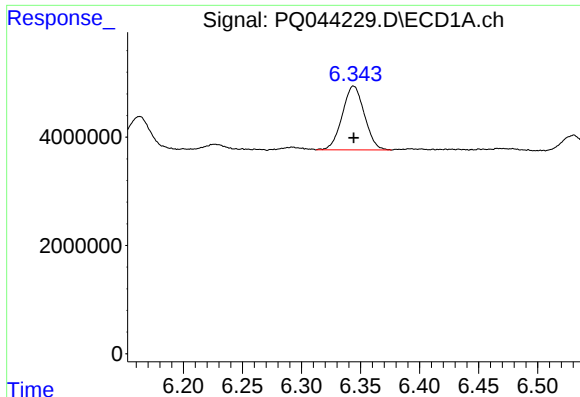
#11 AR-1232-1

R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 5142162  
Conc: 61.28 ng/ml



#11 AR-1232-1

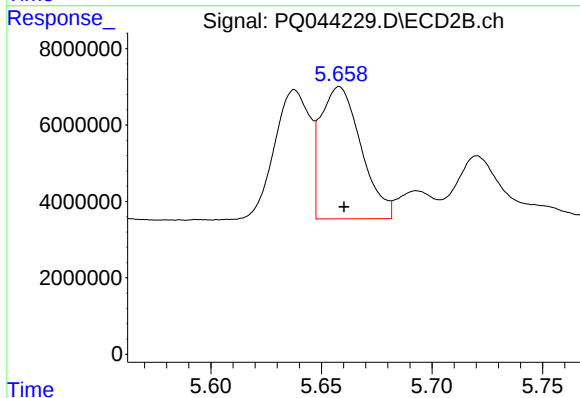
R.T.: 4.812 min  
Delta R.T.: 0.000 min  
Response: 4698693  
Conc: 50.77 ng/ml



#12 AR-1232-2

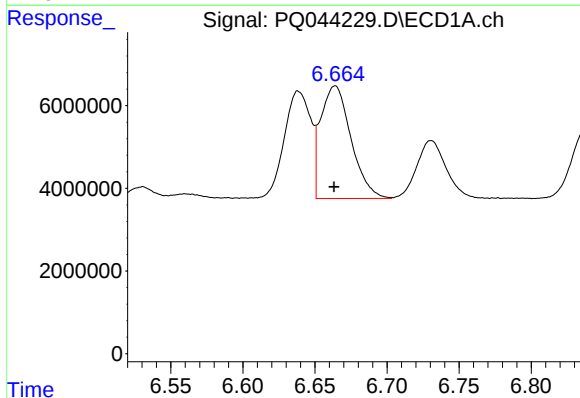
R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 15371934  
Conc: 395.73 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



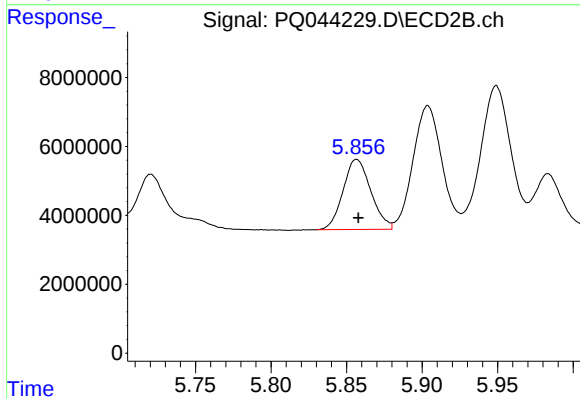
#12 AR-1232-2

R.T.: 5.658 min  
Delta R.T.: -0.002 min  
Response: 43984649  
Conc: 417.04 ng/ml



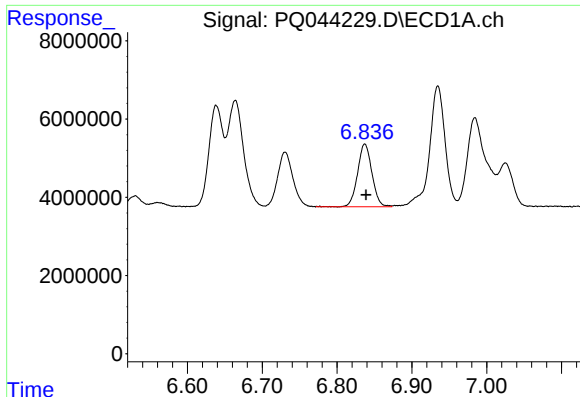
#13 AR-1232-3

R.T.: 6.664 min  
Delta R.T.: 0.000 min  
Response: 39801752  
Conc: 518.82 ng/ml



#13 AR-1232-3

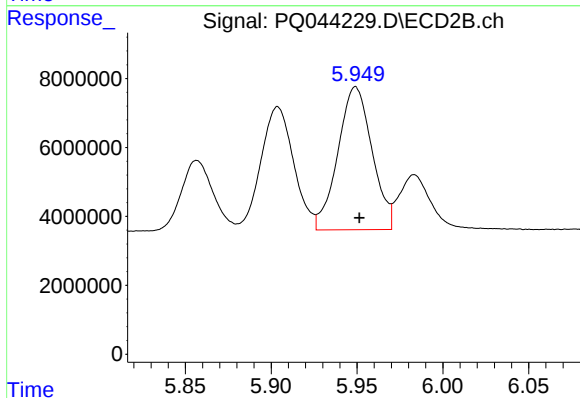
R.T.: 5.857 min  
Delta R.T.: -0.001 min  
Response: 26083755  
Conc: 527.82 ng/ml



#14 AR-1232-4

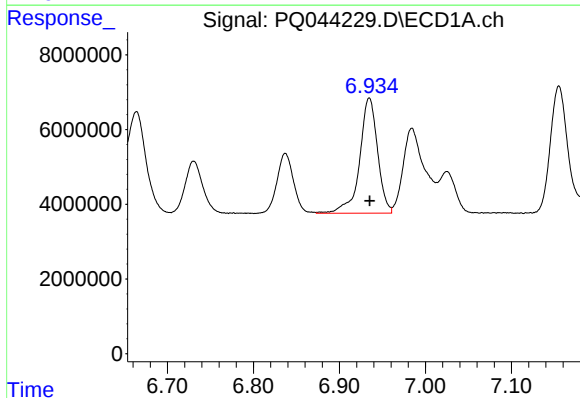
R.T.: 6.837 min  
Delta R.T.: -0.002 min  
Response: 21402664  
Conc: 564.25 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



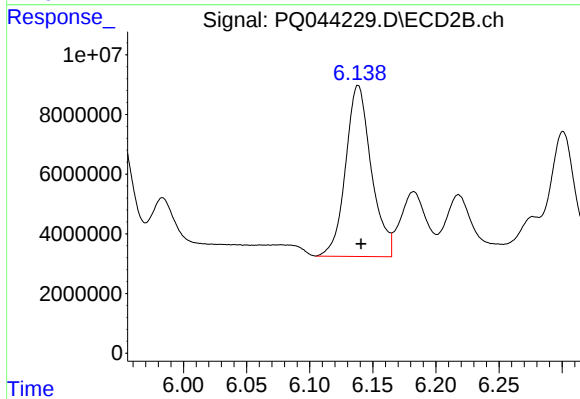
#14 AR-1232-4

R.T.: 5.949 min  
Delta R.T.: -0.002 min  
Response: 57534785  
Conc: 1219.95 ng/ml



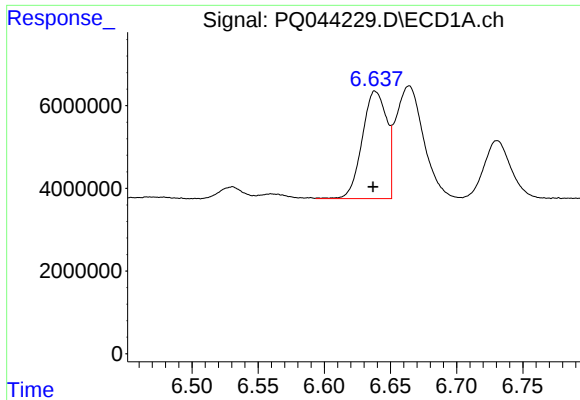
#15 AR-1232-5

R.T.: 6.935 min  
Delta R.T.: 0.000 min  
Response: 44751698  
Conc: 1587.20 ng/ml



#15 AR-1232-5

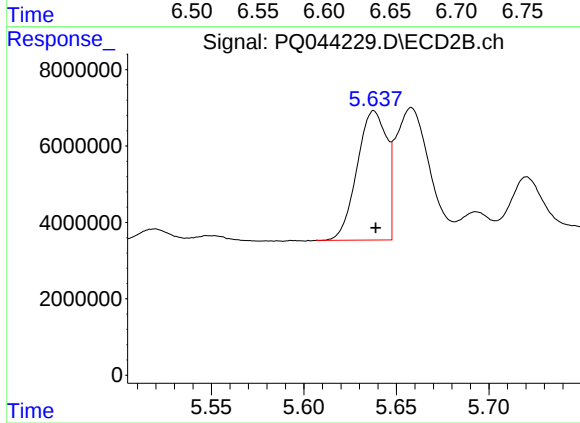
R.T.: 6.138 min  
Delta R.T.: -0.002 min  
Response: 81374263  
Conc: 1488.64 ng/ml



#16 AR-1242-1

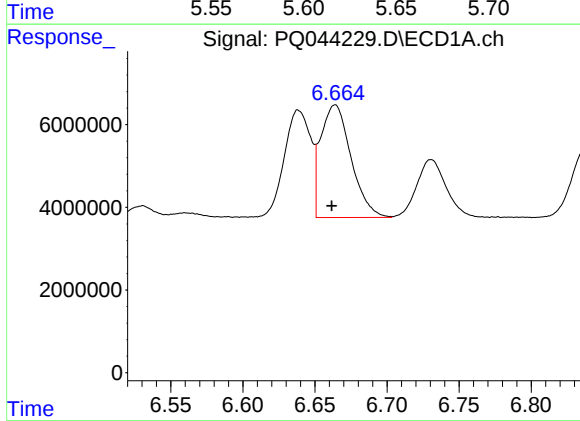
R.T.: 6.639 min  
Delta R.T.: 0.002 min  
Response: 33488431  
Conc: 343.02 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



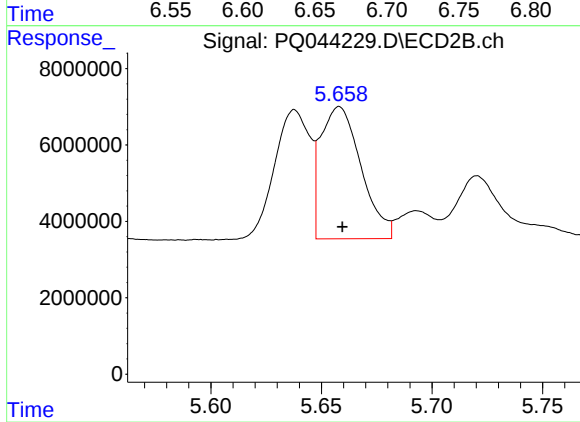
#16 AR-1242-1

R.T.: 5.638 min  
Delta R.T.: 0.000 min  
Response: 37715397  
Conc: 318.20 ng/ml



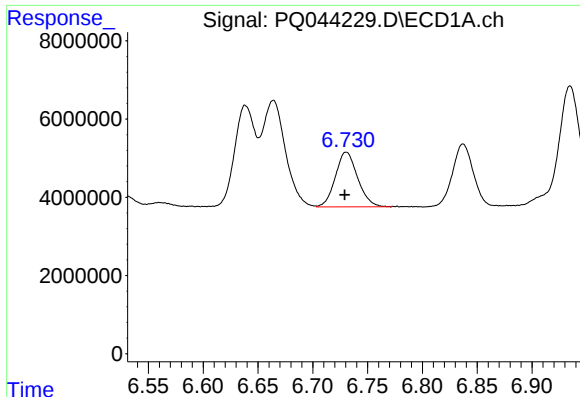
#17 AR-1242-2

R.T.: 6.664 min  
Delta R.T.: 0.002 min  
Response: 39801752  
Conc: 286.15 ng/ml



#17 AR-1242-2

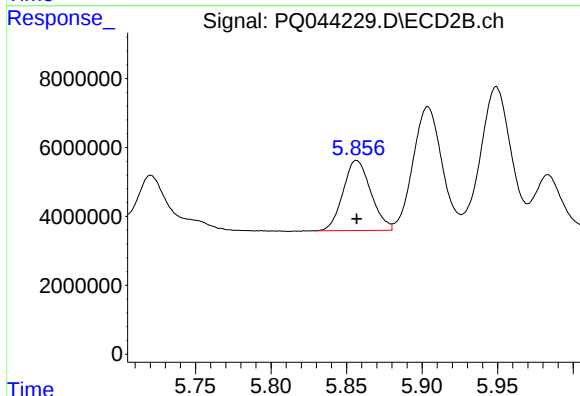
R.T.: 5.658 min  
Delta R.T.: -0.001 min  
Response: 43984649  
Conc: 233.15 ng/ml



#18 AR-1242-3

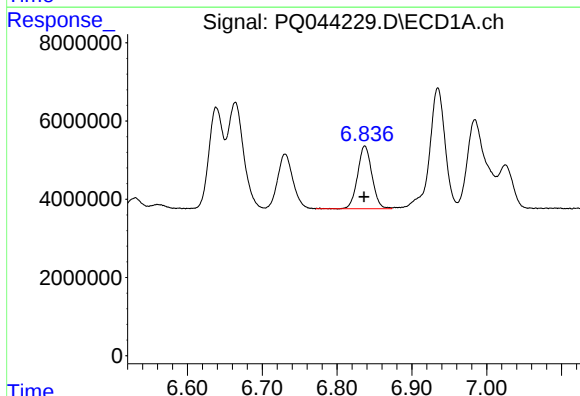
R.T.: 6.731 min  
Delta R.T.: 0.002 min  
Response: 19830551  
Conc: 223.13 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



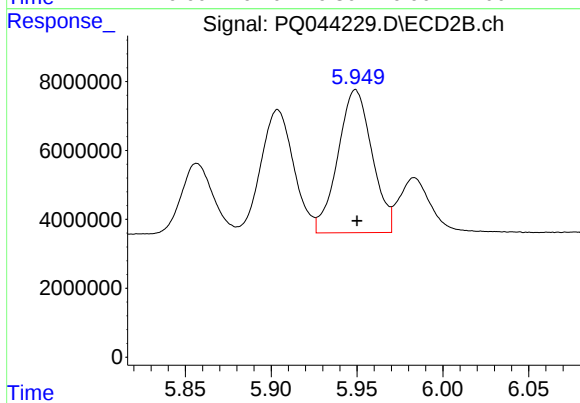
#18 AR-1242-3

R.T.: 5.857 min  
Delta R.T.: 0.000 min  
Response: 26083755  
Conc: 282.02 ng/ml



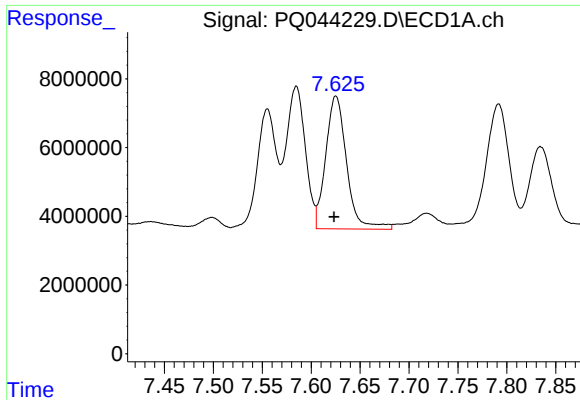
#19 AR-1242-4

R.T.: 6.837 min  
Delta R.T.: 0.001 min  
Response: 21402664  
Conc: 299.63 ng/ml



#19 AR-1242-4

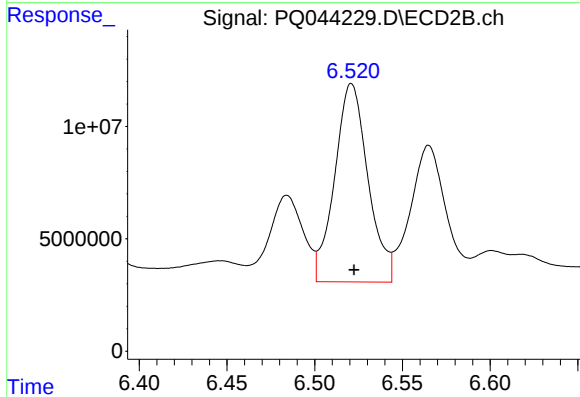
R.T.: 5.949 min  
Delta R.T.: 0.000 min  
Response: 57534785  
Conc: 585.37 ng/ml



#20 AR-1242-5

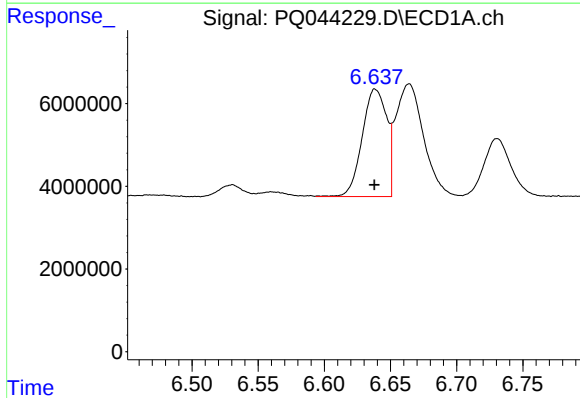
R.T.: 7.625 min  
Delta R.T.: 0.002 min  
Response: 57481496  
Conc: 756.09 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



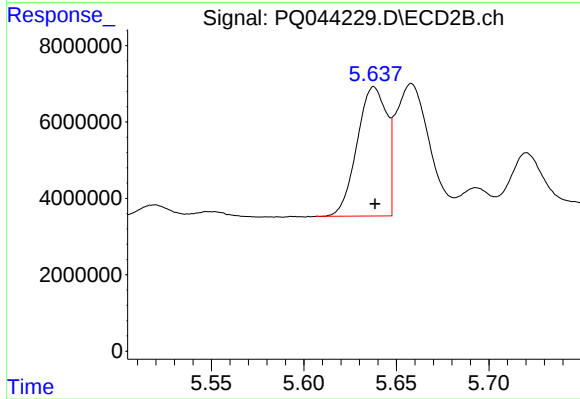
#20 AR-1242-5

R.T.: 6.521 min  
Delta R.T.: -0.002 min  
Response: 116622582  
Conc: 915.23 ng/ml



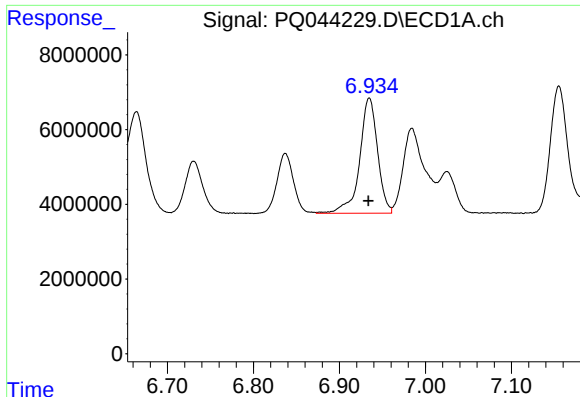
#21 AR-1248-1

R.T.: 6.639 min  
Delta R.T.: 0.000 min  
Response: 33488431  
Conc: 456.39 ng/ml



#21 AR-1248-1

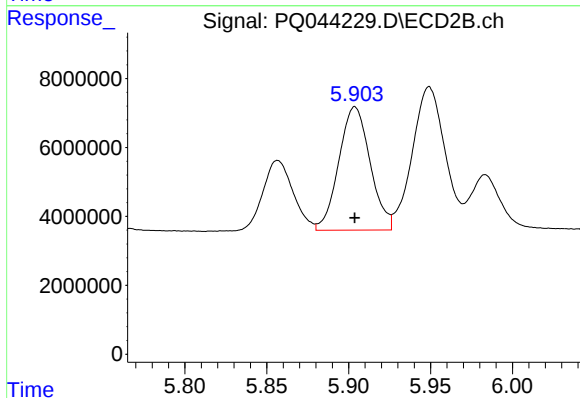
R.T.: 5.638 min  
Delta R.T.: 0.000 min  
Response: 37715397  
Conc: 416.50 ng/ml



#22 AR-1248-2

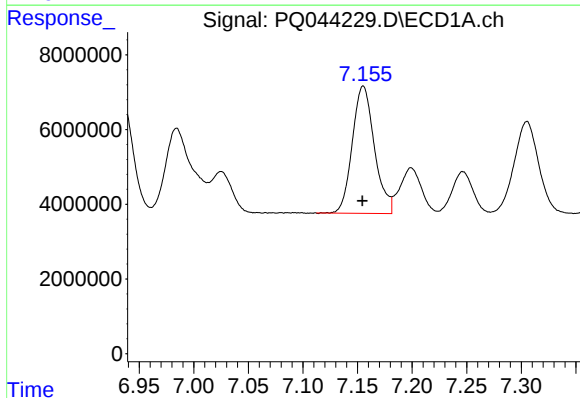
R.T.: 6.935 min  
Delta R.T.: 0.000 min  
Response: 44751698  
Conc: 451.76 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



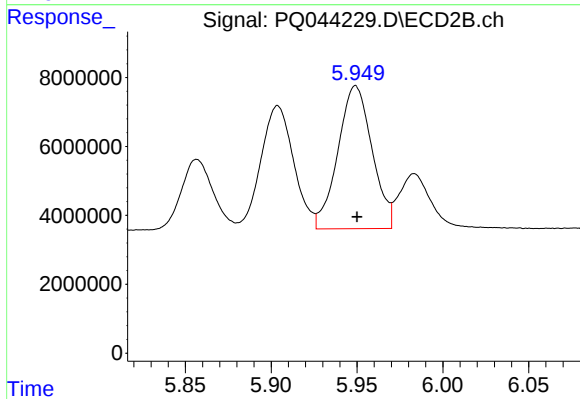
#22 AR-1248-2

R.T.: 5.904 min  
Delta R.T.: 0.000 min  
Response: 47714173  
Conc: 344.24 ng/ml



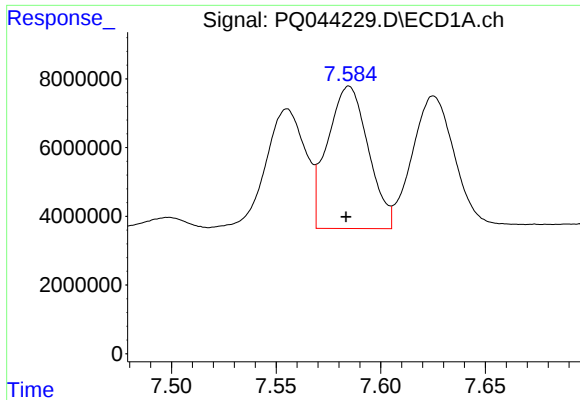
#23 AR-1248-3

R.T.: 7.155 min  
Delta R.T.: 0.000 min  
Response: 47993622  
Conc: 444.39 ng/ml



#23 AR-1248-3

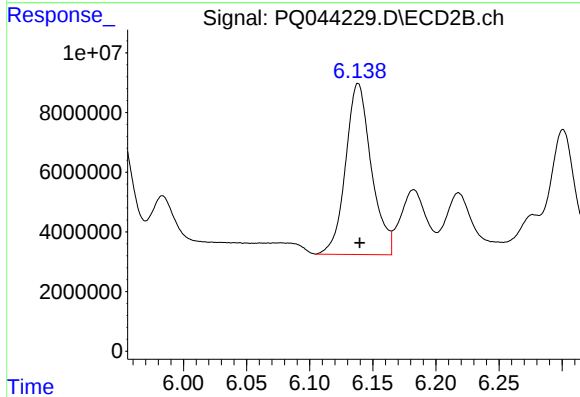
R.T.: 5.949 min  
Delta R.T.: 0.000 min  
Response: 57534785  
Conc: 406.82 ng/ml



#24 AR-1248-4

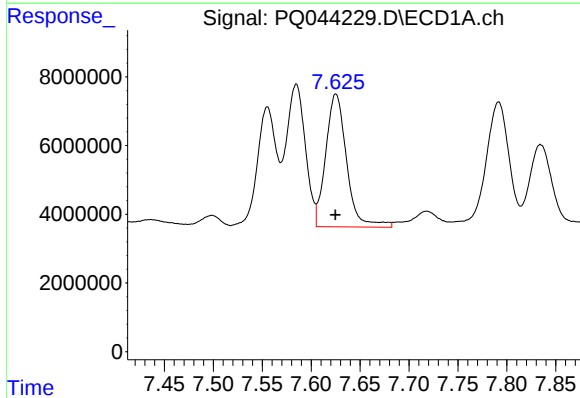
R.T.: 7.585 min  
Delta R.T.: 0.001 min  
Response: 56070474  
Conc: 445.35 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



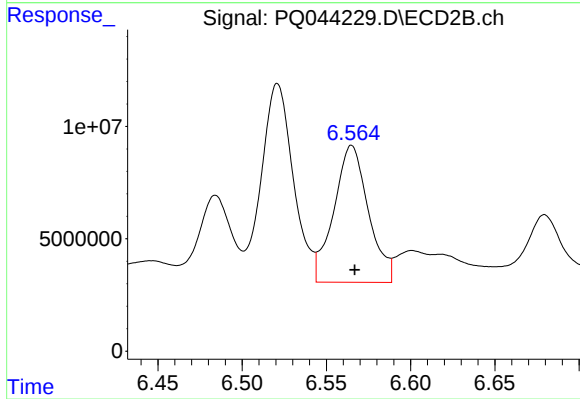
#24 AR-1248-4

R.T.: 6.138 min  
Delta R.T.: -0.001 min  
Response: 81374263  
Conc: 473.75 ng/ml



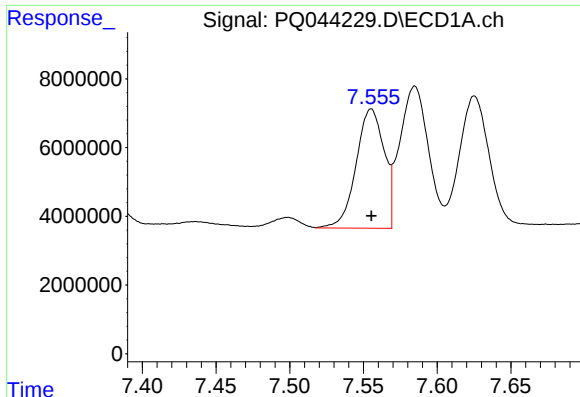
#25 AR-1248-5

R.T.: 7.625 min  
Delta R.T.: 0.000 min  
Response: 57481496  
Conc: 474.75 ng/ml



#25 AR-1248-5

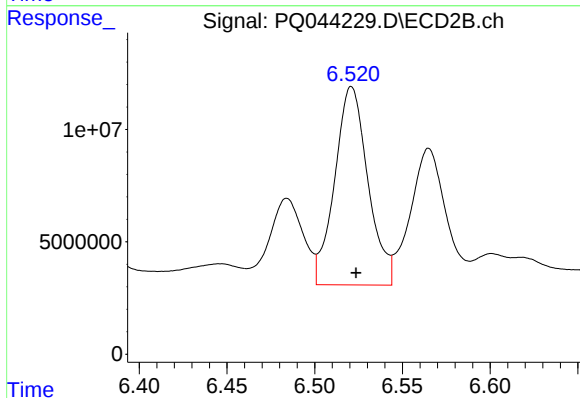
R.T.: 6.565 min  
Delta R.T.: -0.002 min  
Response: 87050091  
Conc: 519.95 ng/ml



#26 AR-1254-1

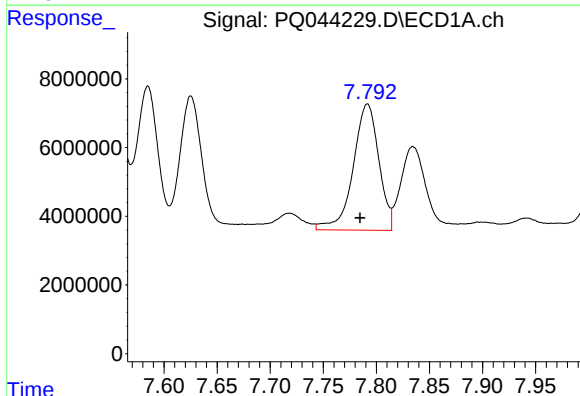
R.T.: 7.555 min  
Delta R.T.: 0.000 min  
Response: 45893990  
Conc: 341.07 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



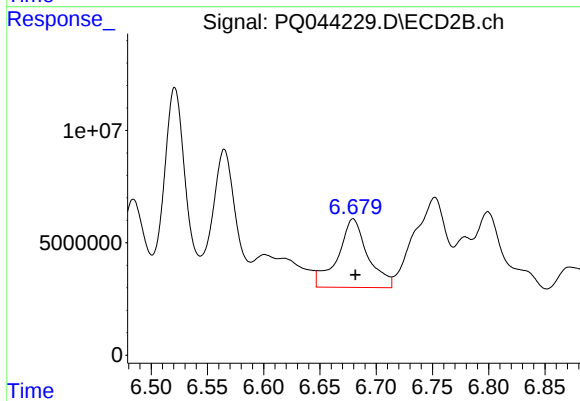
#26 AR-1254-1

R.T.: 6.521 min  
Delta R.T.: -0.003 min  
Response: 116622582  
Conc: 399.85 ng/ml



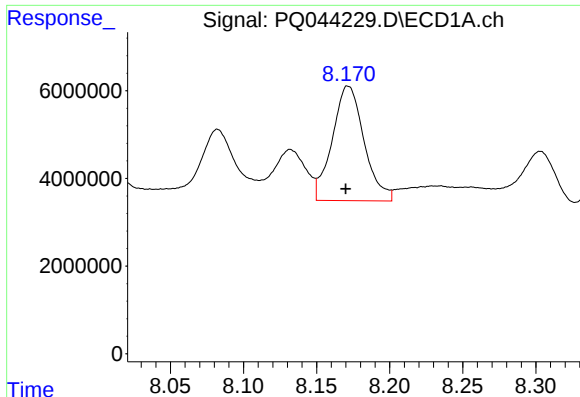
#27 AR-1254-2

R.T.: 7.792 min  
Delta R.T.: 0.007 min  
Response: 61879223  
Conc: 289.66 ng/ml



#27 AR-1254-2

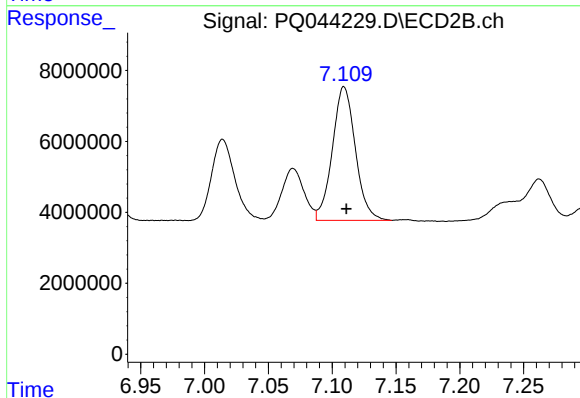
R.T.: 6.680 min  
Delta R.T.: -0.002 min  
Response: 56672695  
Conc: 217.05 ng/ml



#28 AR-1254-3

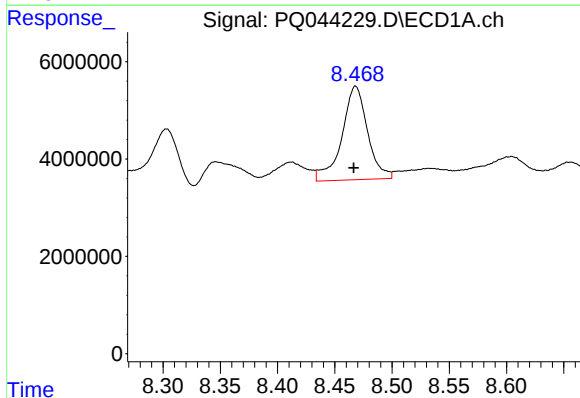
R.T.: 8.172 min  
Delta R.T.: 0.002 min  
Response: 39675996  
Conc: 161.25 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



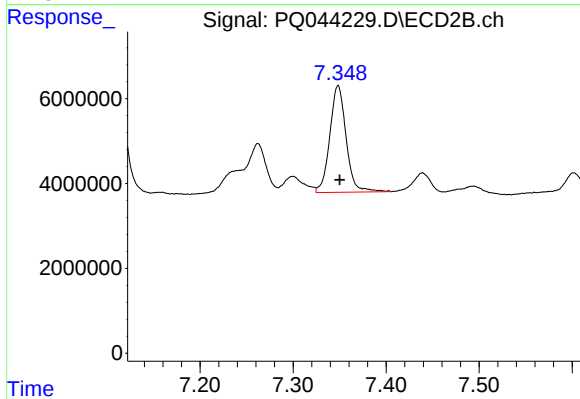
#28 AR-1254-3

R.T.: 7.109 min  
Delta R.T.: -0.002 min  
Response: 47345409  
Conc: 108.36 ng/ml



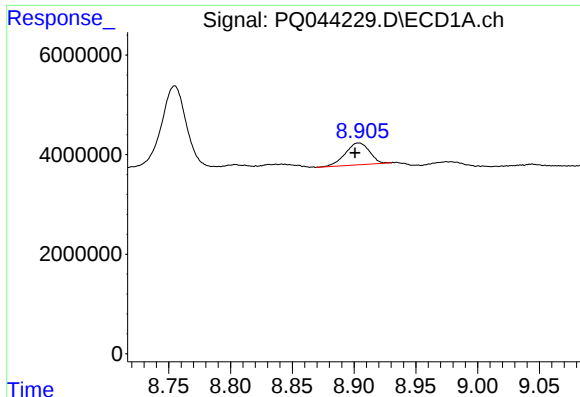
#29 AR-1254-4

R.T.: 8.468 min  
Delta R.T.: 0.002 min  
Response: 30049413  
Conc: 149.83 ng/ml



#29 AR-1254-4

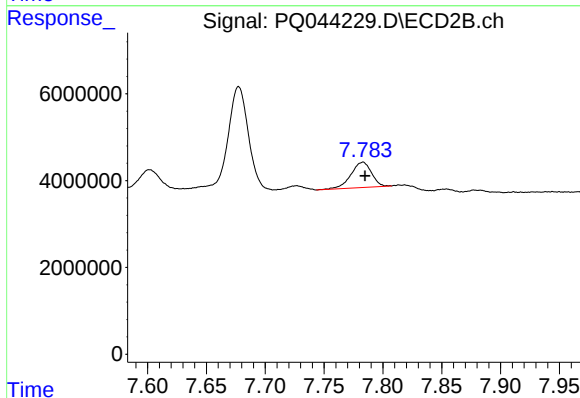
R.T.: 7.348 min  
Delta R.T.: -0.002 min  
Response: 30695849  
Conc: 114.27 ng/ml



#30 AR-1254-5

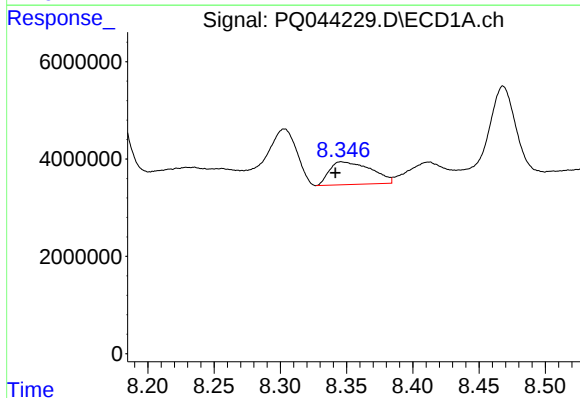
R.T.: 8.904 min  
Delta R.T.: 0.003 min  
Response: 5974984  
Conc: 24.96 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



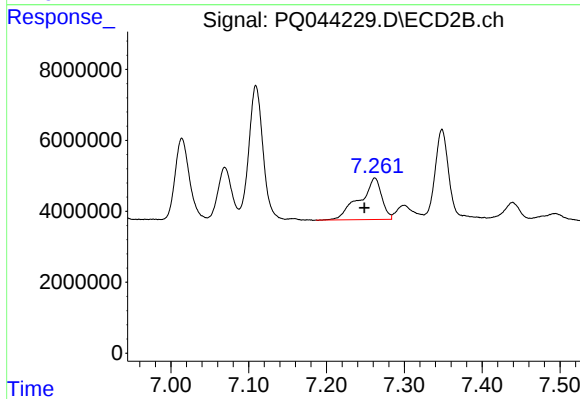
#30 AR-1254-5

R.T.: 7.783 min  
Delta R.T.: -0.002 min  
Response: 7104798  
Conc: 17.77 ng/ml



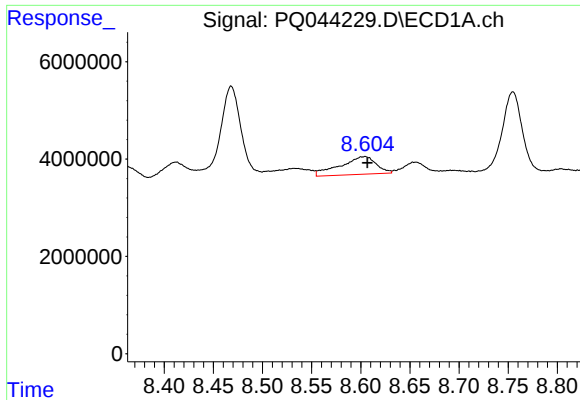
#31 AR-1260-1

R.T.: 8.346 min  
Delta R.T.: 0.005 min  
Response: 10222366  
Conc: 67.91 ng/ml



#31 AR-1260-1

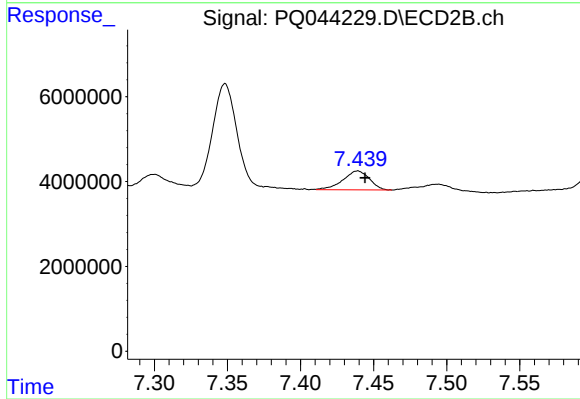
R.T.: 7.262 min  
Delta R.T.: 0.014 min  
Response: 23117335  
Conc: 95.08 ng/ml



#32 AR-1260-2

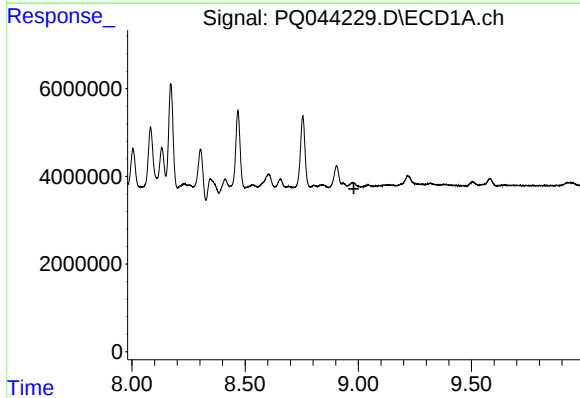
R.T.: 8.604 min  
Delta R.T.: -0.003 min  
Response: 9335795  
Conc: 47.44 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



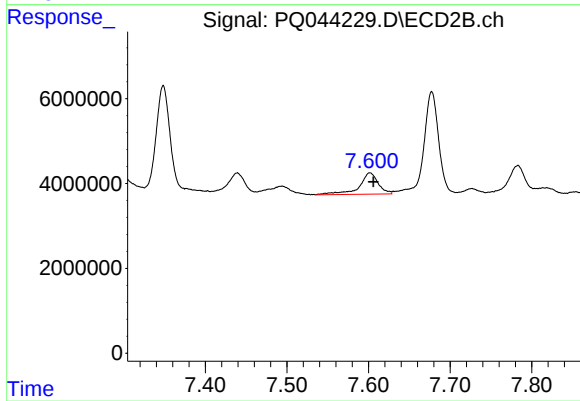
#32 AR-1260-2

R.T.: 7.439 min  
Delta R.T.: -0.005 min  
Response: 5628573  
Conc: 18.65 ng/ml



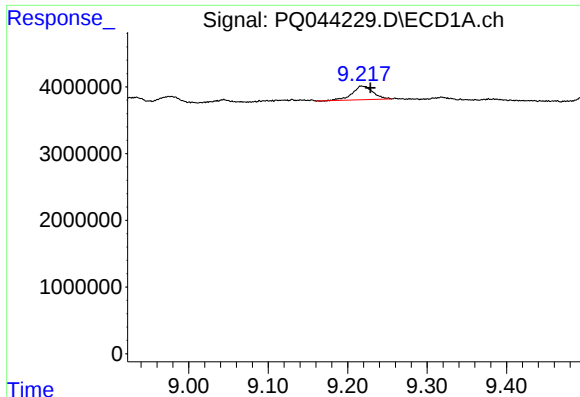
#33 AR-1260-3

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



#33 AR-1260-3

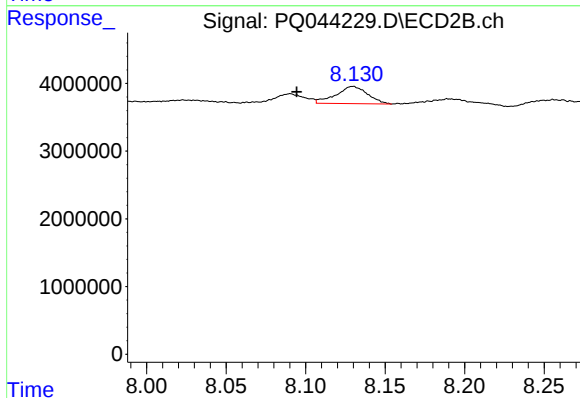
R.T.: 7.602 min  
Delta R.T.: -0.005 min  
Response: 8062356  
Conc: 28.65 ng/ml



#34 AR-1260-4

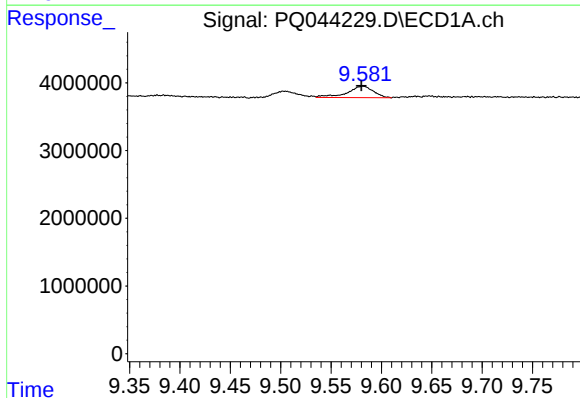
R.T.: 9.217 min  
Delta R.T.: -0.011 min  
Response: 3747190  
Conc: 19.19 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



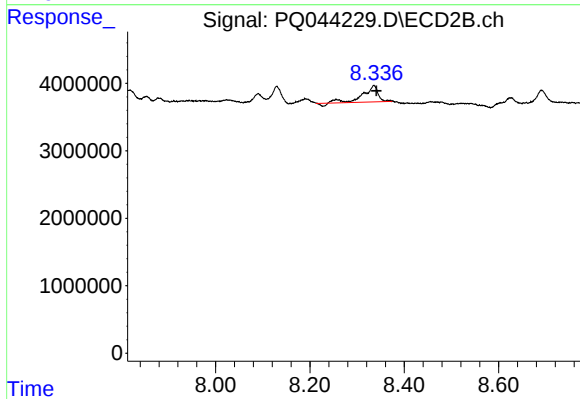
#34 AR-1260-4

R.T.: 8.130 min  
Delta R.T.: 0.035 min  
Response: 3541045  
Conc: 14.08 ng/ml



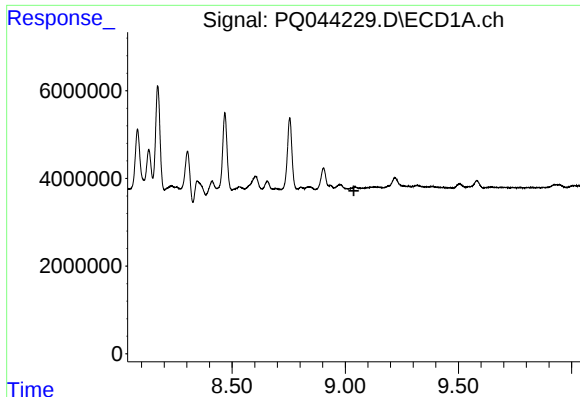
#35 AR-1260-5

R.T.: 9.582 min  
Delta R.T.: 0.002 min  
Response: 3058242  
Conc: 6.69 ng/ml



#35 AR-1260-5

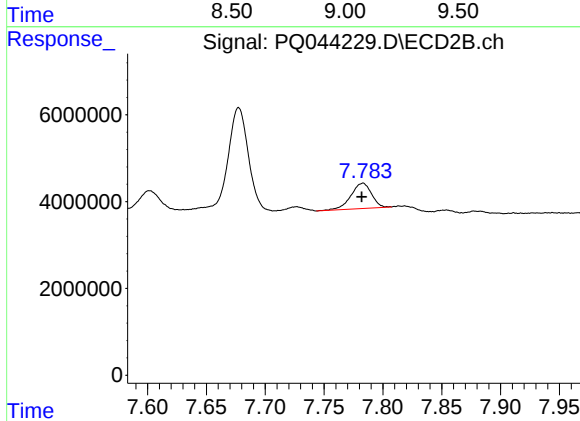
R.T.: 8.336 min  
Delta R.T.: -0.005 min  
Response: 5262080  
Conc: 8.21 ng/ml



#36 AR-1262-1

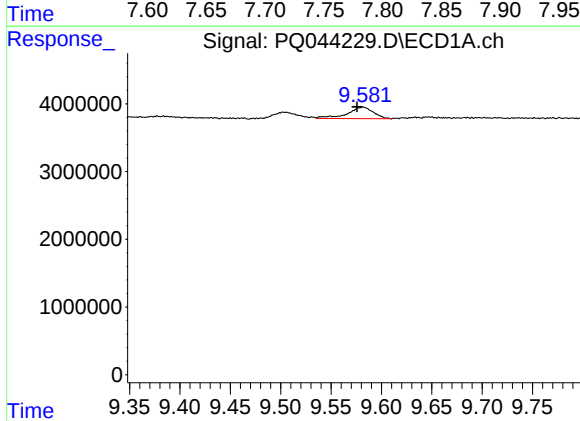
R.T.: 0.000 min  
Exp R.T.: 9.038 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
AR1248312



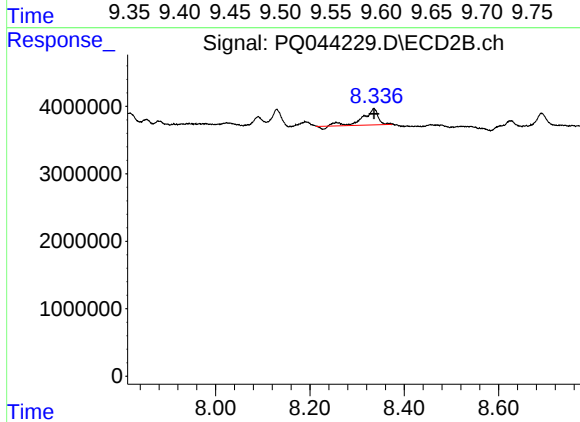
#36 AR-1262-1

R.T.: 7.783 min  
Delta R.T.: 0.000 min  
Response: 7104798  
Conc: 36.41 ng/ml



#37 AR-1262-2

R.T.: 9.582 min  
Delta R.T.: 0.006 min  
Response: 3058242  
Conc: 5.31 ng/ml



#37 AR-1262-2

R.T.: 8.336 min  
Delta R.T.: 0.000 min  
Response: 5262080  
Conc: 6.65 ng/ml