

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ081418\  
 Data File : PQ031111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Aug 2018 17:35  
 Operator : SM\SJ  
 Sample : J4452-04DL 1000X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 15 12:08:40 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ080918CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Mon Aug 13 07:57:53 2018  
 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 |              |        |       |          |          |          |            |
| Target Compounds            |              |        |       |          |          |          |            |
| 4)                          | L1 AR-1016-2 | 5.514  | 5.009 | 911013   | 11864598 | 18.295   | 163.154 #  |
| 5)                          | L1 AR-1016-3 | 5.806  | 5.009 | 11931787 | 11864598 | 167.305  | 109.830 #  |
| 6)                          | L1 AR-1016-4 | 5.806  | 5.009 | 11931787 | 11864598 | 177.333  | 165.405    |
| 7)                          | L1 AR-1016-5 | 6.263  | 5.444 | 5379572  | 5990070  | 94.636   | 93.835     |
| 11)                         | L3 AR-1232-1 | 5.806  | 0.000 | 11931787 | 0        | 264.824  | N.D. #     |
| 12)                         | L3 AR-1232-2 | 5.968  | 5.009 | 2591183  | 11864598 | 113.186  | 288.664 #  |
| 13)                         | L3 AR-1232-3 | 6.056  | 5.268 | 5618853  | 5178013  | 386.280  | 299.281    |
| 14)                         | L3 AR-1232-4 | 6.639  | 5.594 | 37162874 | 3803034  | 1170.095 | 236.032 #  |
| 15)                         | L3 AR-1232-5 | 6.706  | 5.838 | 8295885  | 8332233  | 284.437  | 391.395 #  |
| 17)                         | L4 AR-1242-2 | 6.102  | 5.189 | 3859660  | 2901595  | 104.261  | 69.420 #   |
| 18)                         | L4 AR-1242-3 | 6.304  | 5.226 | 2114263  | 6526719  | 113.006  | 199.161 #  |
| 19)                         | L4 AR-1242-4 | 6.348  | 6.014 | 1959606  | 4102687  | 143.070  | 99.392 #   |
| 20)                         | L4 AR-1242-5 | 6.405  | 6.059 | 5415075  | 3033147  | 115.866  | 86.442 #   |
| 21)                         | L5 AR-1248-1 | 6.056  | 5.226 | 5618853  | 6526719  | 86.815   | 96.383     |
| 22)                         | L5 AR-1248-2 | 6.639  | 5.797 | 37162874 | 38033523 | 533.164  | 278.780 #  |
| 23)                         | L5 AR-1248-3 | 6.639  | 5.838 | 37162874 | 8332233  | 409.075  | 89.971 #   |
| 24)                         | L5 AR-1248-4 | 6.706  | 6.014 | 8295885  | 4102687  | 95.239   | 51.423 #   |
| 25)                         | L5 AR-1248-5 | 6.907  | 6.360 | 7979935  | 106.4E6  | 138.554  | 1472.947 # |
| 26)                         | L6 AR-1254-1 | 6.856  | 5.943 | 47874652 | 47742217 | 299.427  | 336.961    |
| 27)                         | L6 AR-1254-2 | 7.140  | 6.261 | 13562433 | 16971686 | 137.846  | 141.928    |
| 28)                         | L6 AR-1254-3 | 7.227  | 6.578 | 36730499 | 21705988 | 205.429  | 122.084 #  |
| 29)                         | L6 AR-1254-4 | 7.511  | 6.901 | 23713682 | 19918266 | 181.416  | 185.813    |
| 30)                         | L6 AR-1254-5 | 7.775  | 6.998 | 65887044 | 227.5E6  | 657.010  | 1031.102 # |
| 31)                         | L7 AR-1260-1 | 7.389  | 6.481 | 97420159 | 119.7E6  | 777.741  | 804.527    |
| 32)                         | L7 AR-1260-2 | 7.644  | 6.666 | 146.8E6  | 182.5E6  | 972.399  | 1024.299   |
| 33)                         | L7 AR-1260-3 | 7.930  | 6.823 | 205.3E6  | 133.7E6  | 1142.609 | 778.034 #  |
| 34)                         | L7 AR-1260-4 | 8.237  | 7.296 | 94125198 | 84090880 | 729.375  | 608.051    |
| 35)                         | L7 AR-1260-5 | 8.570  | 7.535 | 187.7E6  | 281.1E6  | 728.588  | 878.749    |
| 36)                         | L8 AR-1262-1 | 7.283  | 6.360 | 49125444 | 106.4E6  | 617.306  | 891.919 #  |
| 37)                         | L8 AR-1262-2 | 8.062  | 7.087 | 42000598 | 59391504 | 570.628  | 619.602    |
| 38)                         | L8 AR-1262-3 | 8.322  | 7.394 | 35835869 | 56072009 | 406.117  | 582.477 #  |
| 39)                         | L8 AR-1262-4 | 8.968  | 7.819 | 52923913 | 30272350 | 350.331  | 178.812 #  |
| 40)                         | L8 AR-1262-5 | 9.677  | 8.392 | 32508841 | 39206421 | 326.016  | 342.804    |
| 41)                         | L9 AR-1268-1 | 8.004  | 7.033 | 60757842 | 92929460 | 828.985  | 1058.689 # |
| 42)                         | L9 AR-1268-2 | 8.237  | 7.884 | 94125198 | 180.1E6  | 950.500  | 376.651 #  |
| 43)                         | L9 AR-1268-3 | 8.915  | 8.081 | 113.0E6  | 4155950  | 267.756  | 10.628 #   |
| 44)                         | L9 AR-1268-4 | 0.000  | 8.209 | 0        | 11274089 | N.D.     | 115.424 #  |
| 45)                         | L9 AR-1268-5 | 10.109 | 8.702 | 5532883  | 6070087  | 6.182    | 5.569      |
| -----                       |              |        |       |          |          |          |            |

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

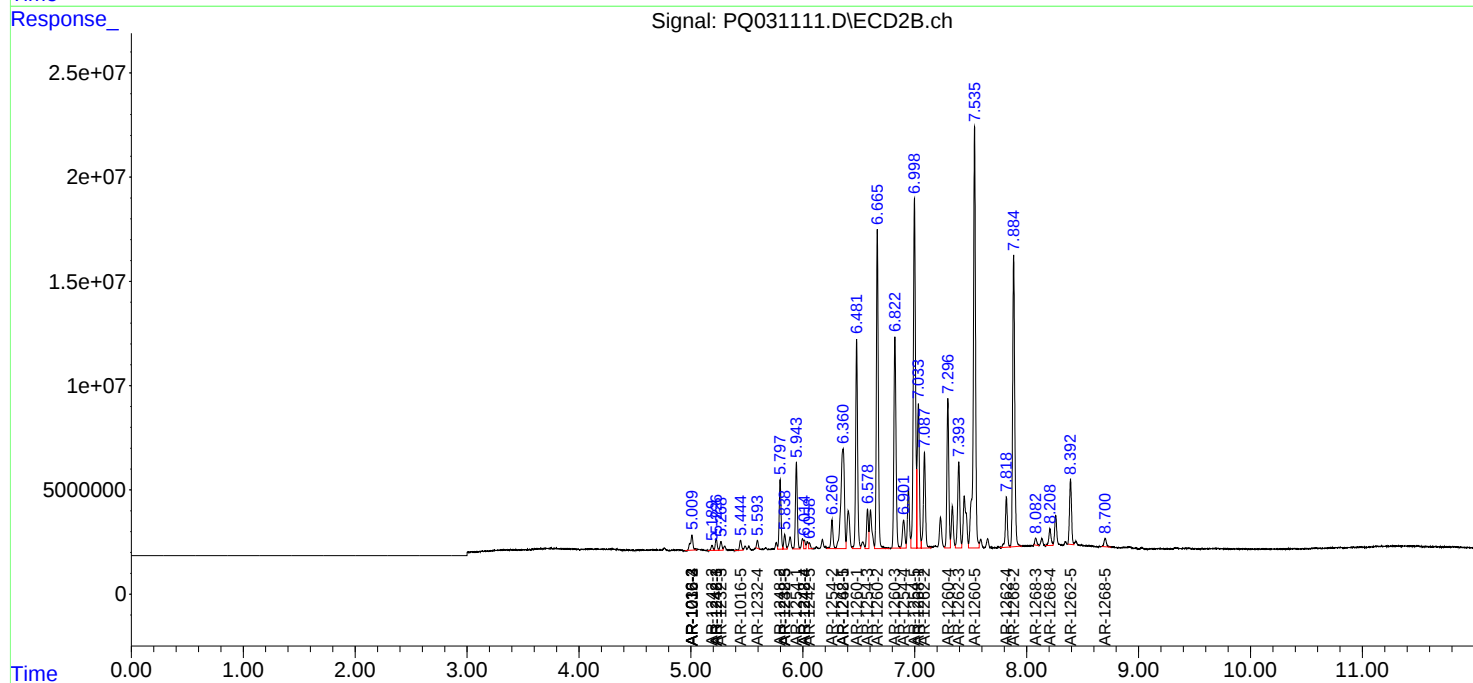
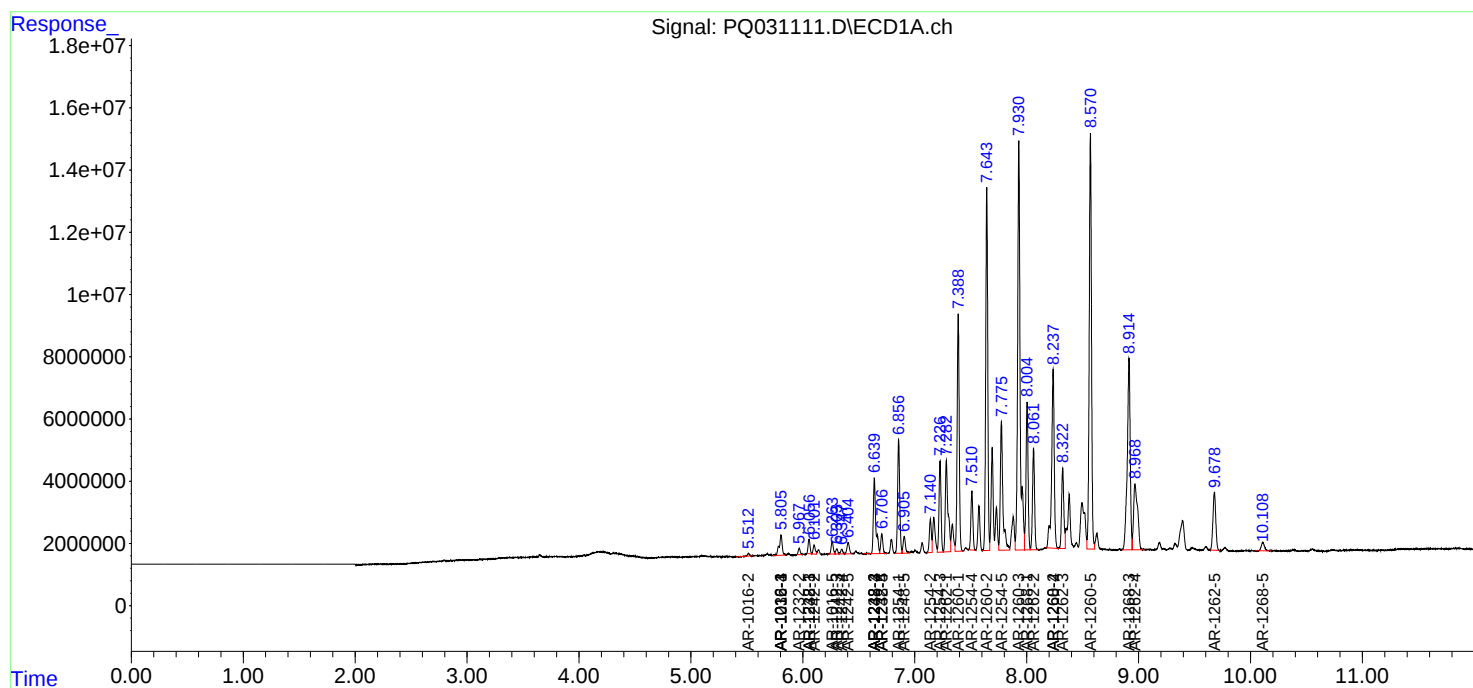
Instrument :  
ECD\_Q  
ClientSampleId :

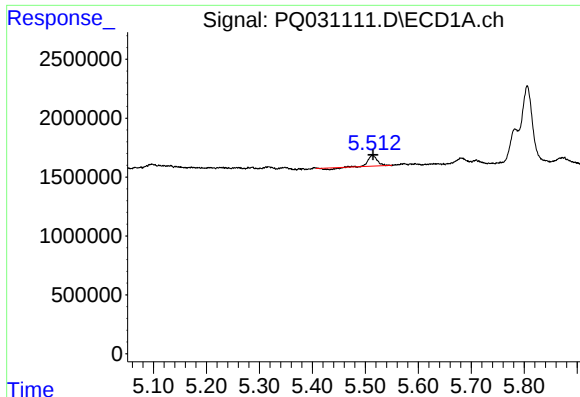
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ081418\  
Data File : PQ031111.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Aug 2018 17:35  
Operator : SM\SJ  
Sample : J4452-04DL 1000X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 15 12:08:40 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ080918CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Mon Aug 13 07:57:53 2018  
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

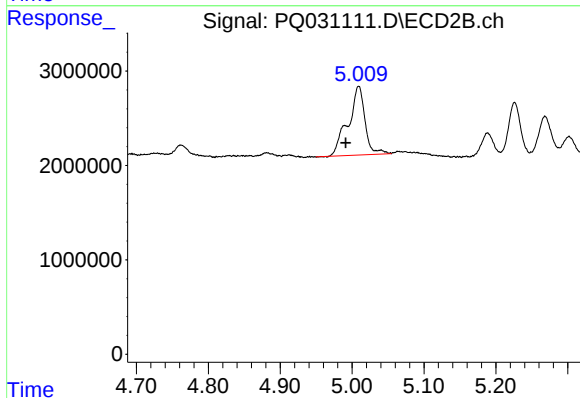




#4 AR-1016-2

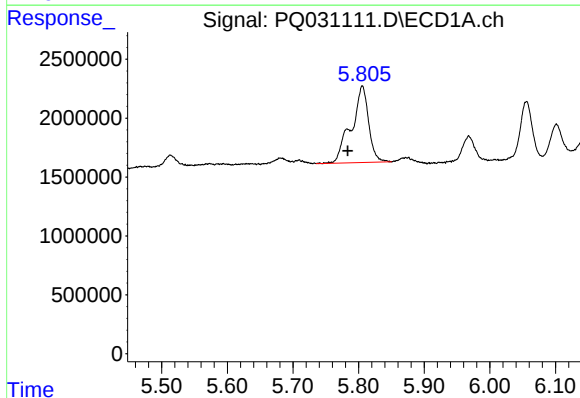
R.T.: 5.514 min  
Delta R.T.: -0.001 min  
Response: 911013  
Conc: 18.29 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



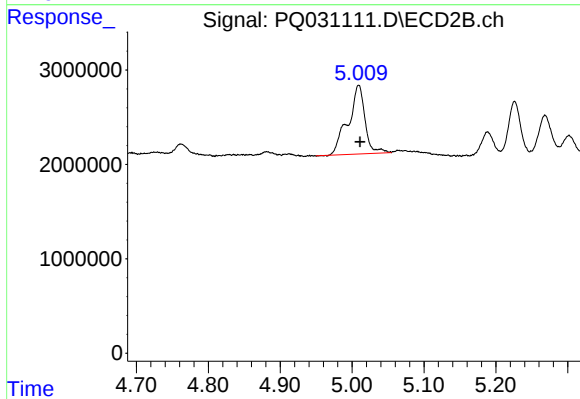
#4 AR-1016-2

R.T.: 5.009 min  
Delta R.T.: 0.018 min  
Response: 11864598  
Conc: 163.15 ng/ml



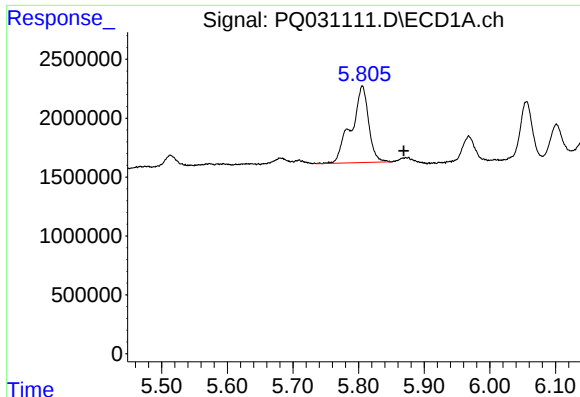
#5 AR-1016-3

R.T.: 5.806 min  
Delta R.T.: 0.022 min  
Response: 11931787  
Conc: 167.31 ng/ml



#5 AR-1016-3

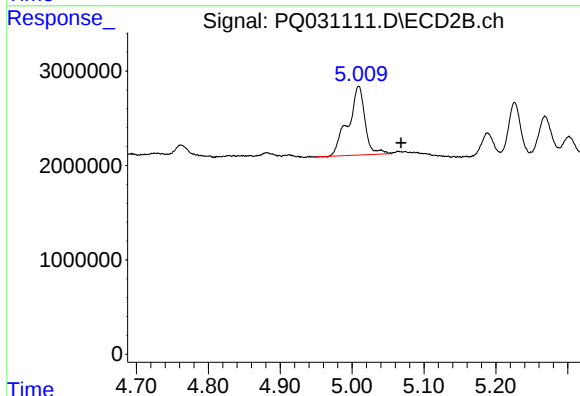
R.T.: 5.009 min  
Delta R.T.: -0.002 min  
Response: 11864598  
Conc: 109.83 ng/ml



#6 AR-1016-4

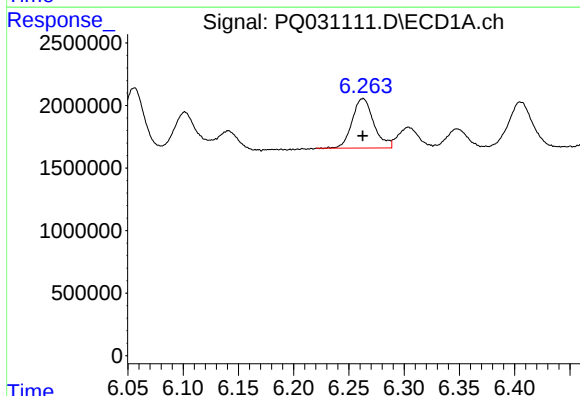
R.T.: 5.806 min  
Delta R.T.: -0.063 min  
Response: 11931787  
Conc: 177.33 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



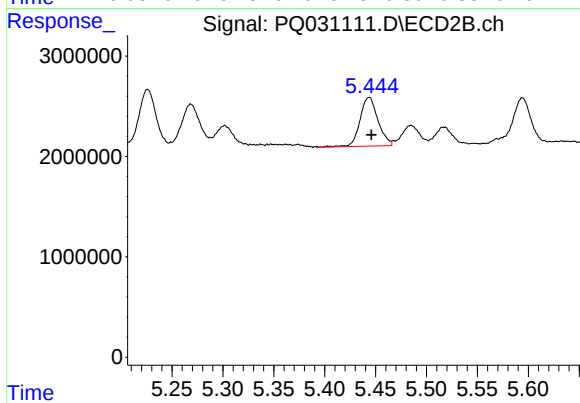
#6 AR-1016-4

R.T.: 5.009 min  
Delta R.T.: -0.059 min  
Response: 11864598  
Conc: 165.41 ng/ml



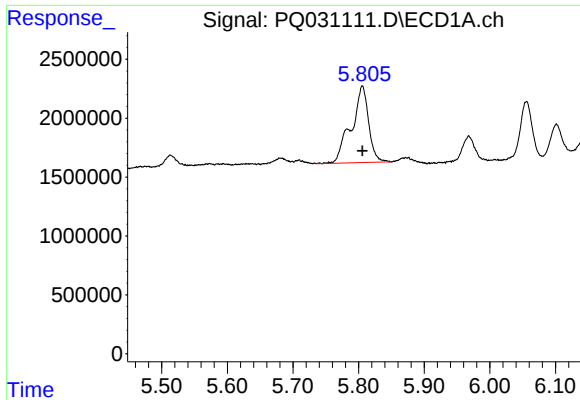
#7 AR-1016-5

R.T.: 6.263 min  
Delta R.T.: 0.000 min  
Response: 5379572  
Conc: 94.64 ng/ml



#7 AR-1016-5

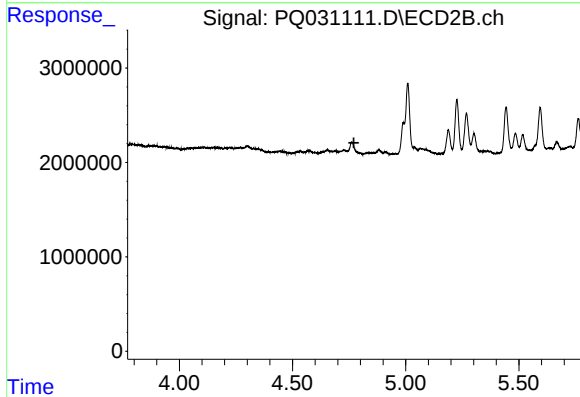
R.T.: 5.444 min  
Delta R.T.: -0.002 min  
Response: 5990070  
Conc: 93.84 ng/ml



#11 AR-1232-1

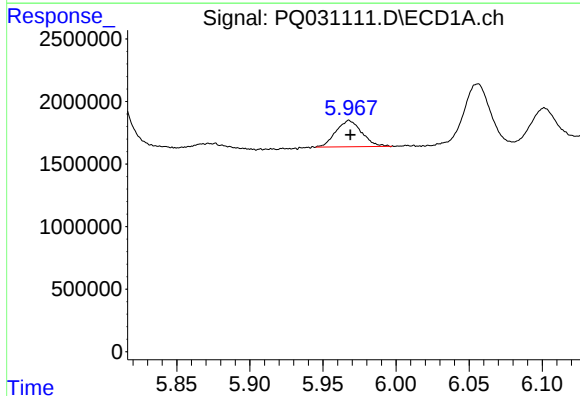
R.T.: 5.806 min  
Delta R.T.: 0.000 min  
Response: 11931787  
Conc: 264.82 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



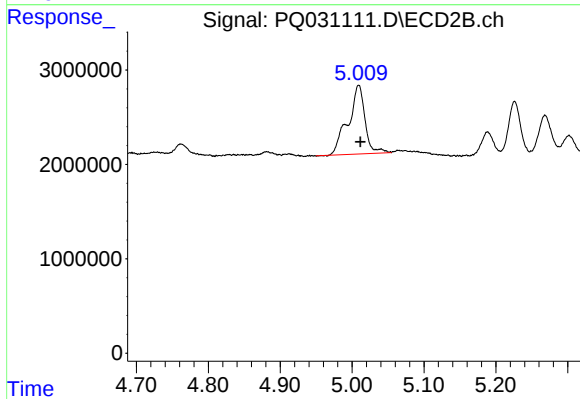
#11 AR-1232-1

R.T.: 0.000 min  
Exp R.T. : 4.771 min  
Response: 0  
Conc: N.D.



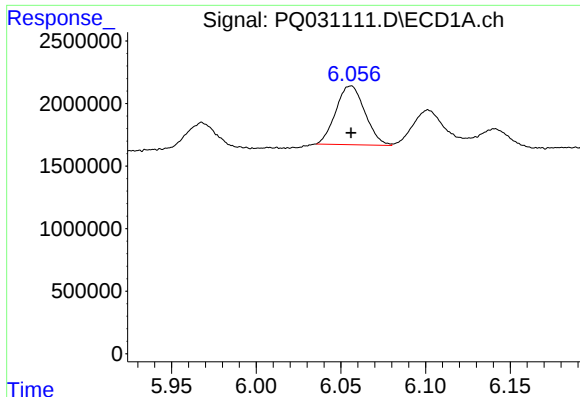
#12 AR-1232-2

R.T.: 5.968 min  
Delta R.T.: 0.000 min  
Response: 2591183  
Conc: 113.19 ng/ml



#12 AR-1232-2

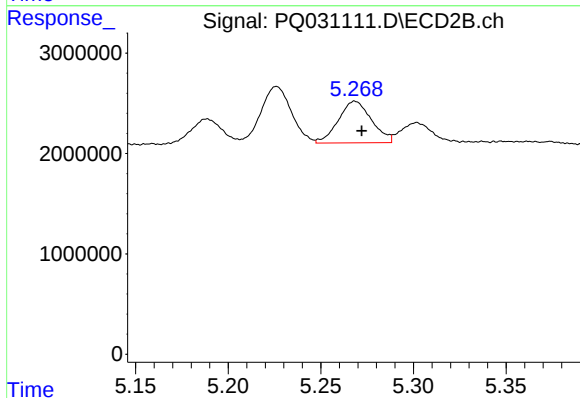
R.T.: 5.009 min  
Delta R.T.: -0.002 min  
Response: 11864598  
Conc: 288.66 ng/ml



#13 AR-1232-3

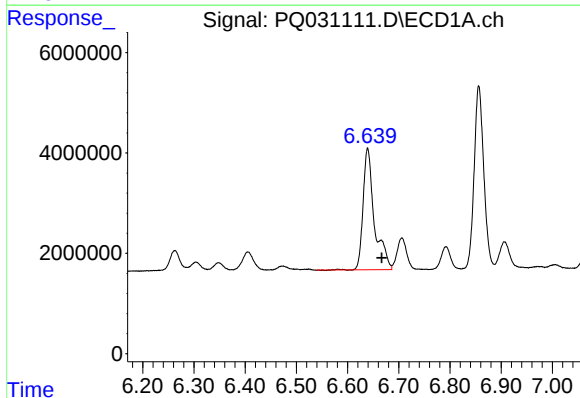
R.T.: 6.056 min  
Delta R.T.: 0.000 min  
Response: 5618853  
Conc: 386.28 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



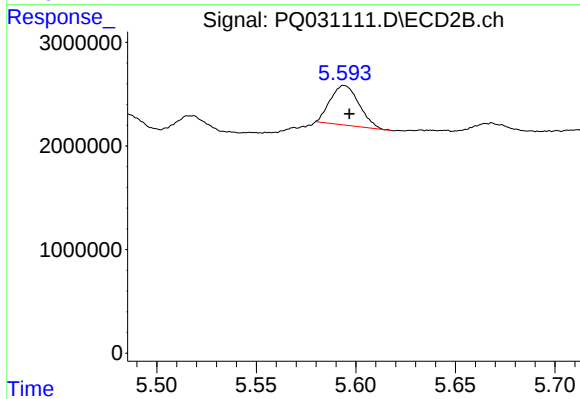
#13 AR-1232-3

R.T.: 5.268 min  
Delta R.T.: -0.004 min  
Response: 5178013  
Conc: 299.28 ng/ml



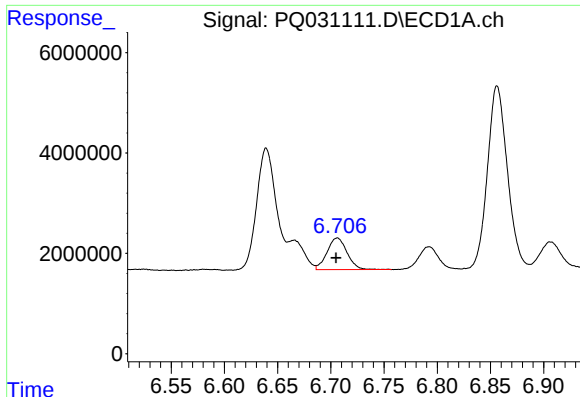
#14 AR-1232-4

R.T.: 6.639 min  
Delta R.T.: -0.028 min  
Response: 37162874  
Conc: 1170.09 ng/ml



#14 AR-1232-4

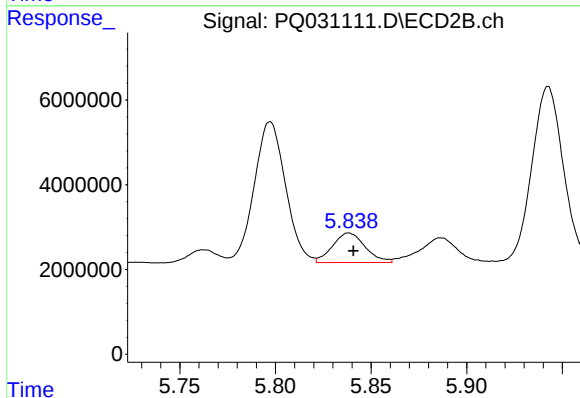
R.T.: 5.594 min  
Delta R.T.: -0.002 min  
Response: 3803034  
Conc: 236.03 ng/ml



#15 AR-1232-5

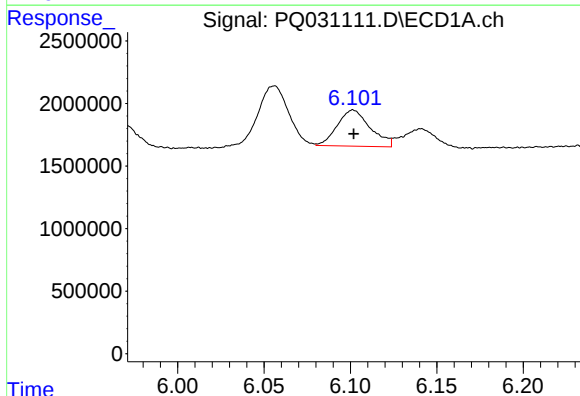
R.T.: 6.706 min  
Delta R.T.: 0.001 min  
Response: 8295885  
Conc: 284.44 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



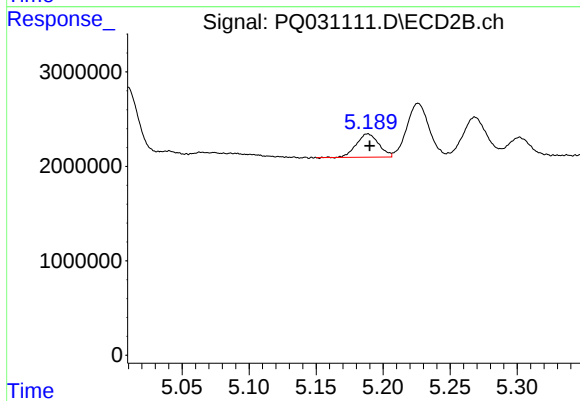
#15 AR-1232-5

R.T.: 5.838 min  
Delta R.T.: -0.002 min  
Response: 8332233  
Conc: 391.39 ng/ml



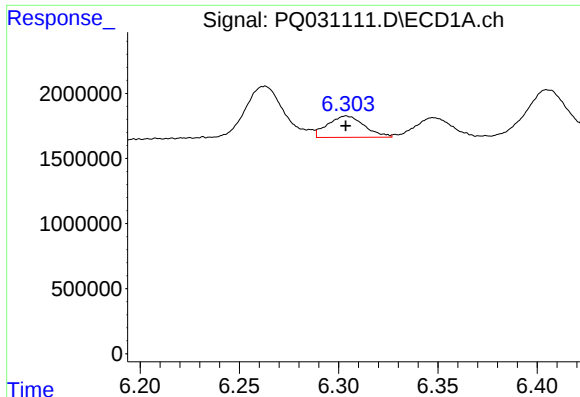
#17 AR-1242-2

R.T.: 6.102 min  
Delta R.T.: 0.000 min  
Response: 3859660  
Conc: 104.26 ng/ml



#17 AR-1242-2

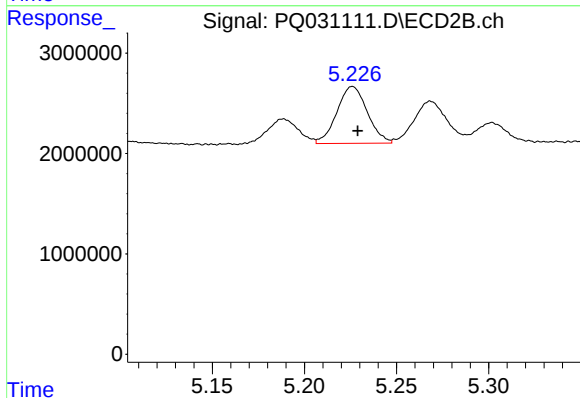
R.T.: 5.189 min  
Delta R.T.: -0.002 min  
Response: 2901595  
Conc: 69.42 ng/ml



#18 AR-1242-3

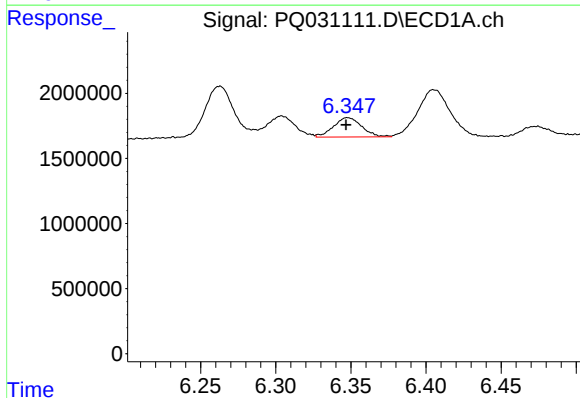
R.T.: 6.304 min  
Delta R.T.: 0.000 min  
Response: 2114263  
Conc: 113.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



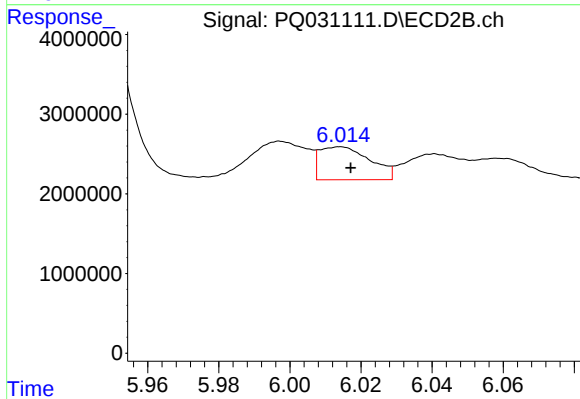
#18 AR-1242-3

R.T.: 5.226 min  
Delta R.T.: -0.003 min  
Response: 6526719  
Conc: 199.16 ng/ml



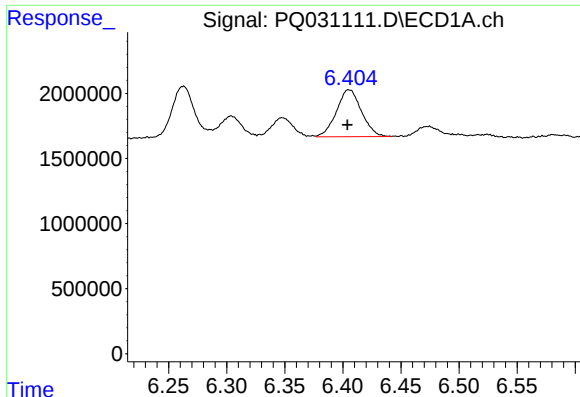
#19 AR-1242-4

R.T.: 6.348 min  
Delta R.T.: 0.001 min  
Response: 1959606  
Conc: 143.07 ng/ml



#19 AR-1242-4

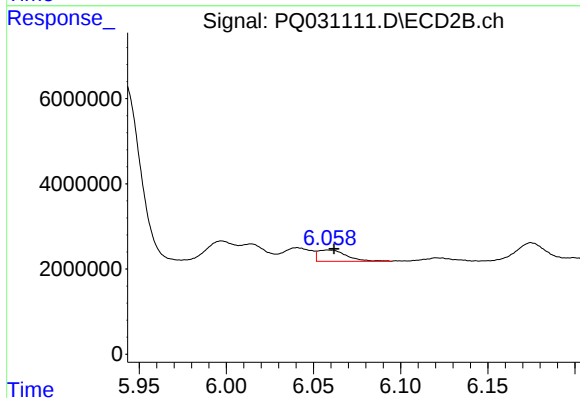
R.T.: 6.014 min  
Delta R.T.: -0.003 min  
Response: 4102687  
Conc: 99.39 ng/ml



#20 AR-1242-5

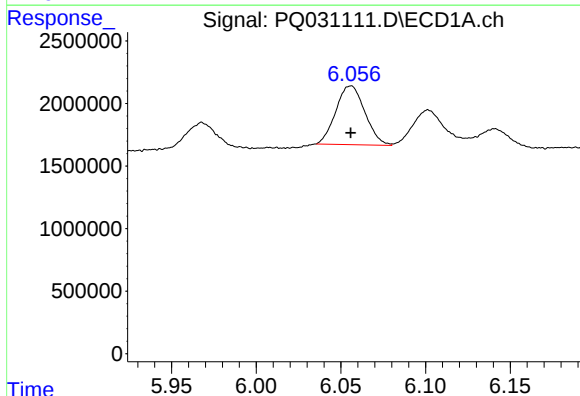
R.T.: 6.405 min  
Delta R.T.: 0.002 min  
Response: 5415075  
Conc: 115.87 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



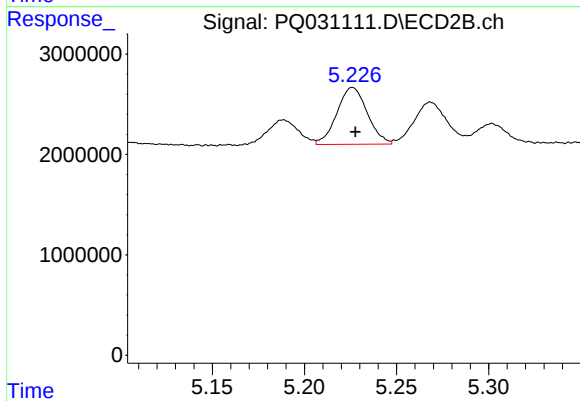
#20 AR-1242-5

R.T.: 6.059 min  
Delta R.T.: -0.003 min  
Response: 3033147  
Conc: 86.44 ng/ml



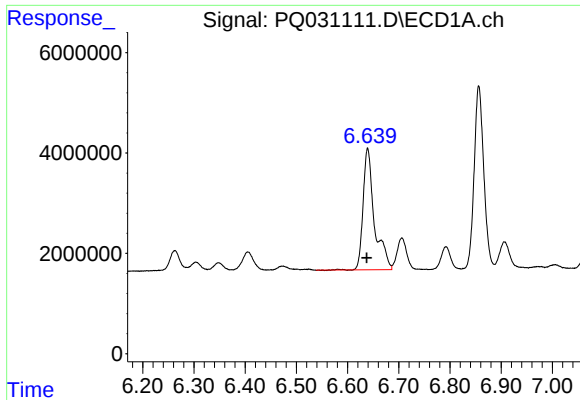
#21 AR-1248-1

R.T.: 6.056 min  
Delta R.T.: 0.000 min  
Response: 5618853  
Conc: 86.81 ng/ml



#21 AR-1248-1

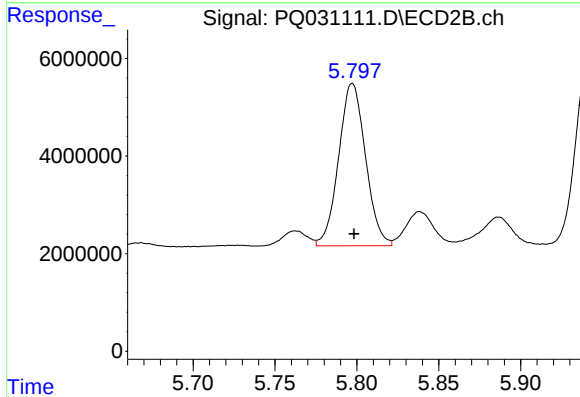
R.T.: 5.226 min  
Delta R.T.: -0.002 min  
Response: 6526719  
Conc: 96.38 ng/ml



#22 AR-1248-2

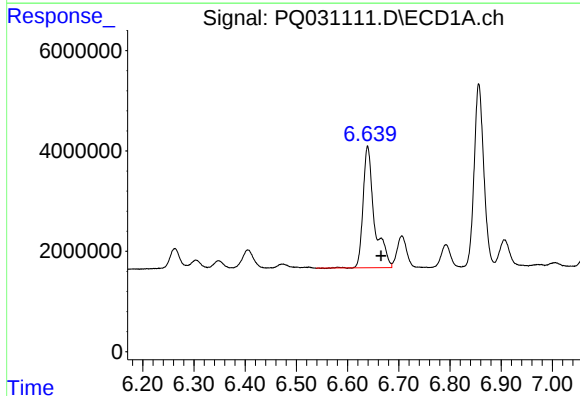
R.T.: 6.639 min  
Delta R.T.: 0.002 min  
Response: 37162874  
Conc: 533.16 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



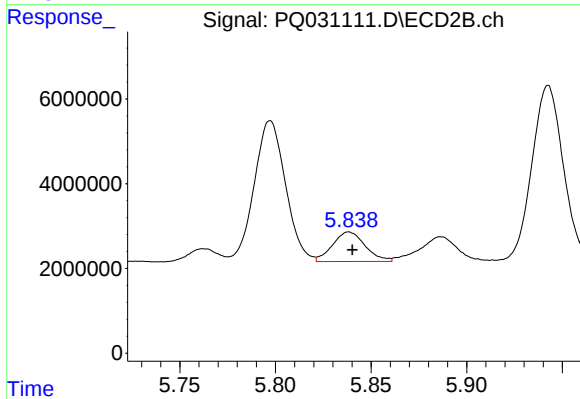
#22 AR-1248-2

R.T.: 5.797 min  
Delta R.T.: -0.001 min  
Response: 38033523  
Conc: 278.78 ng/ml



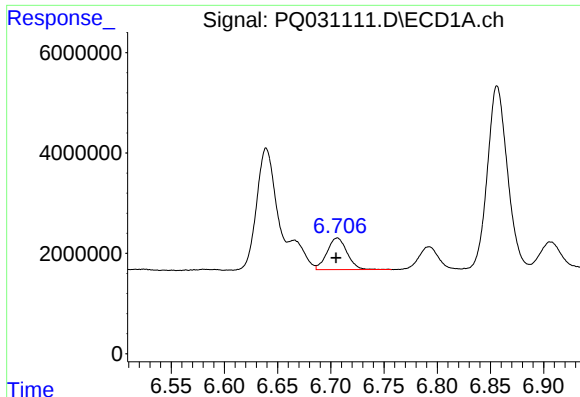
#23 AR-1248-3

R.T.: 6.639 min  
Delta R.T.: -0.026 min  
Response: 37162874  
Conc: 409.07 ng/ml



#23 AR-1248-3

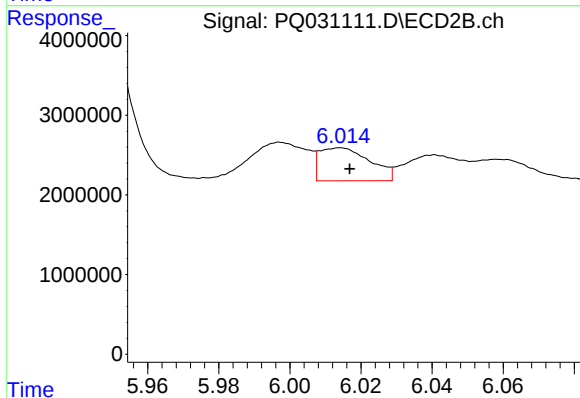
R.T.: 5.838 min  
Delta R.T.: -0.002 min  
Response: 8332233  
Conc: 89.97 ng/ml



#24 AR-1248-4

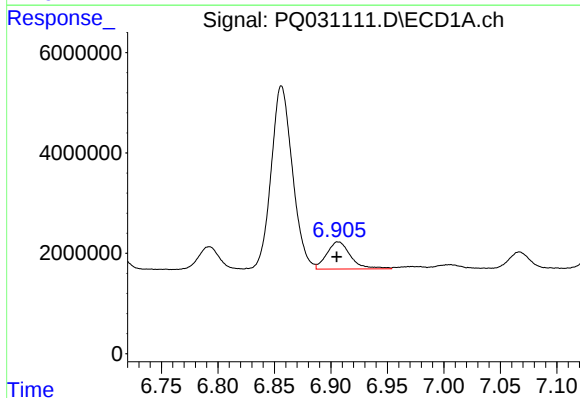
R.T.: 6.706 min  
Delta R.T.: 0.001 min  
Response: 8295885  
Conc: 95.24 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



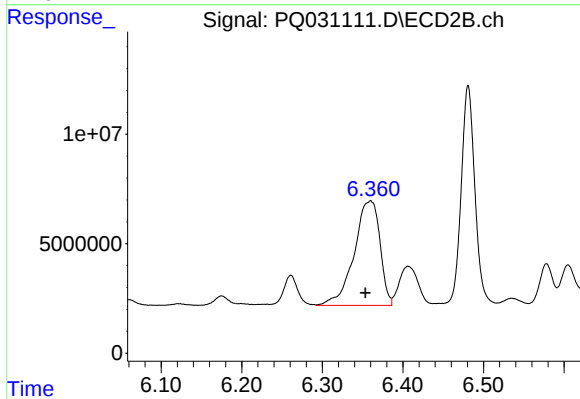
#24 AR-1248-4

R.T.: 6.014 min  
Delta R.T.: -0.003 min  
Response: 4102687  
Conc: 51.42 ng/ml



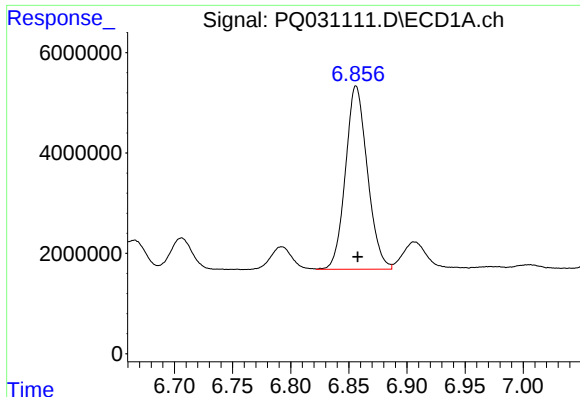
#25 AR-1248-5

R.T.: 6.907 min  
Delta R.T.: 0.001 min  
Response: 7979935  
Conc: 138.55 ng/ml



#25 AR-1248-5

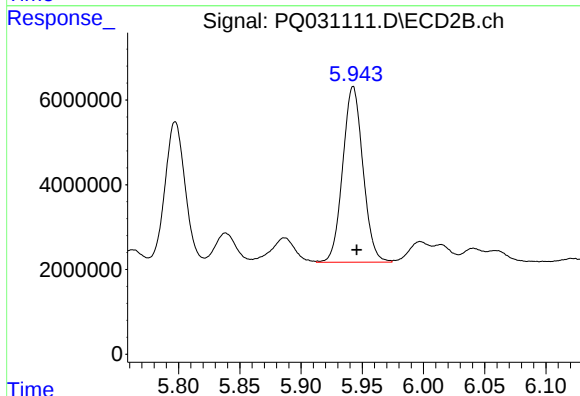
R.T.: 6.360 min  
Delta R.T.: 0.006 min  
Response: 106355285  
Conc: 1472.95 ng/ml



#26 AR-1254-1

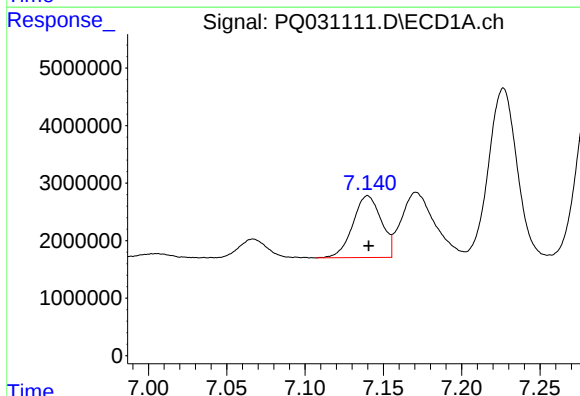
R.T.: 6.856 min  
Delta R.T.: -0.001 min  
Response: 47874652  
Conc: 299.43 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



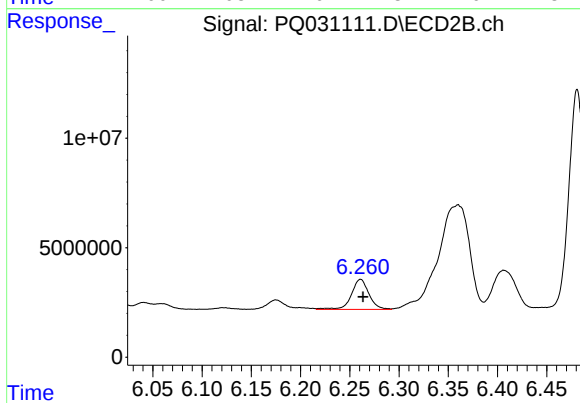
#26 AR-1254-1

R.T.: 5.943 min  
Delta R.T.: -0.003 min  
Response: 47742217  
Conc: 336.96 ng/ml



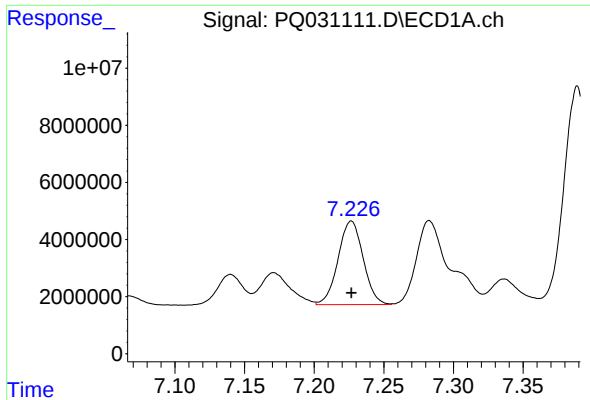
#27 AR-1254-2

R.T.: 7.140 min  
Delta R.T.: 0.000 min  
Response: 13562433  
Conc: 137.85 ng/ml



#27 AR-1254-2

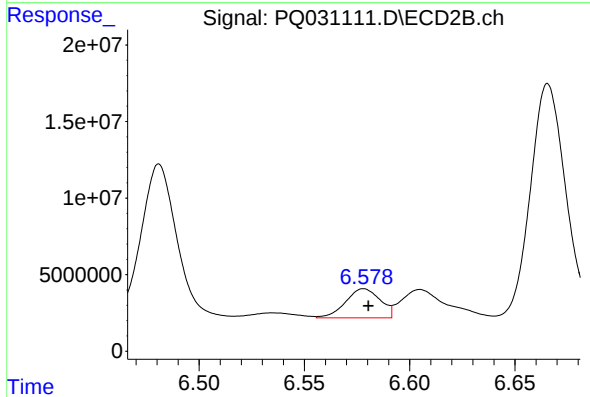
R.T.: 6.261 min  
Delta R.T.: -0.002 min  
Response: 16971686  
Conc: 141.93 ng/ml



#28 AR-1254-3

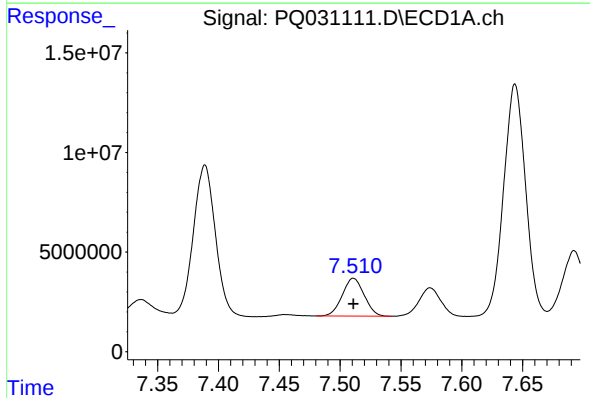
R.T.: 7.227 min  
Delta R.T.: 0.000 min  
Response: 36730499  
Conc: 205.43 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



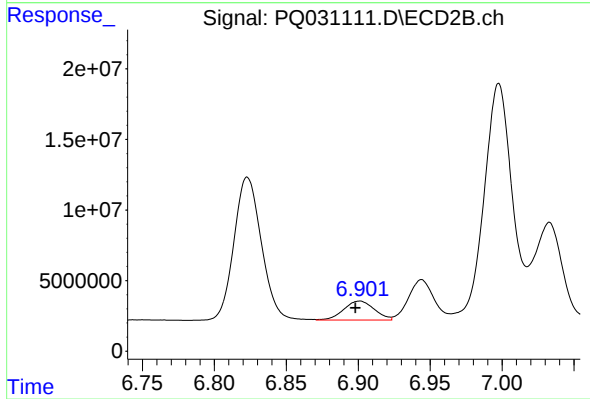
#28 AR-1254-3

R.T.: 6.578 min  
Delta R.T.: -0.002 min  
Response: 21705988  
Conc: 122.08 ng/ml



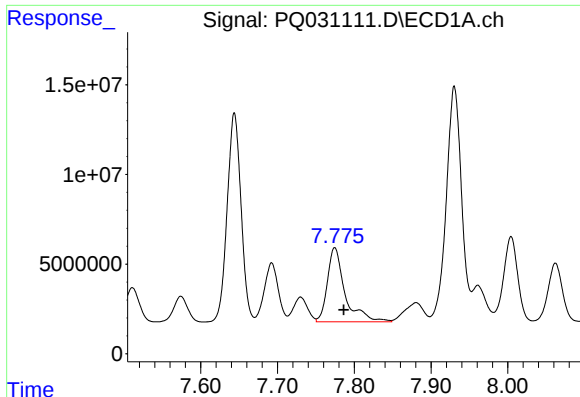
#29 AR-1254-4

R.T.: 7.511 min  
Delta R.T.: 0.000 min  
Response: 23713682  
Conc: 181.42 ng/ml



#29 AR-1254-4

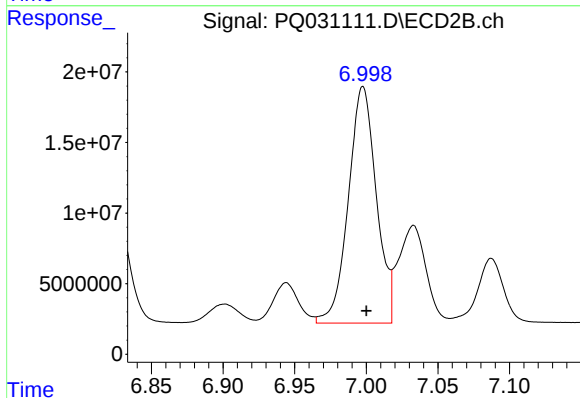
R.T.: 6.901 min  
Delta R.T.: 0.003 min  
Response: 19918266  
Conc: 185.81 ng/ml



#30 AR-1254-5

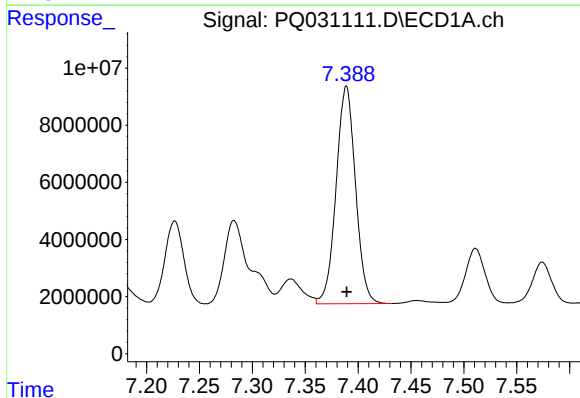
R.T.: 7.775 min  
Delta R.T.: -0.011 min  
Response: 65887044  
Conc: 657.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



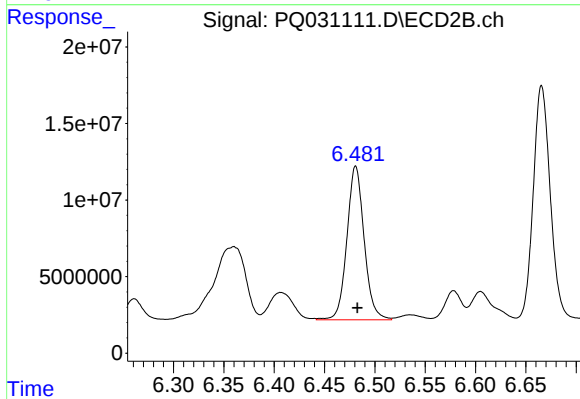
#30 AR-1254-5

R.T.: 6.998 min  
Delta R.T.: -0.002 min  
Response: 227478287  
Conc: 1031.10 ng/ml



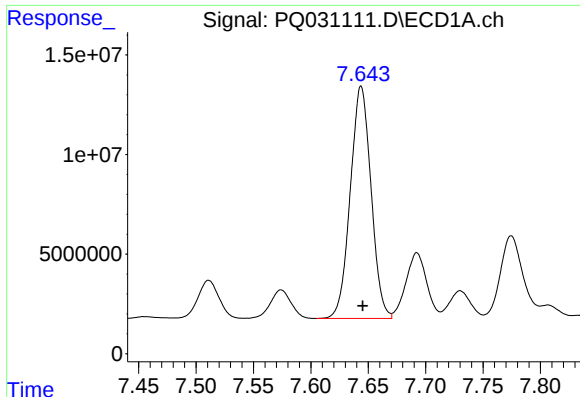
#31 AR-1260-1

R.T.: 7.389 min  
Delta R.T.: 0.000 min  
Response: 97420159  
Conc: 777.74 ng/ml



#31 AR-1260-1

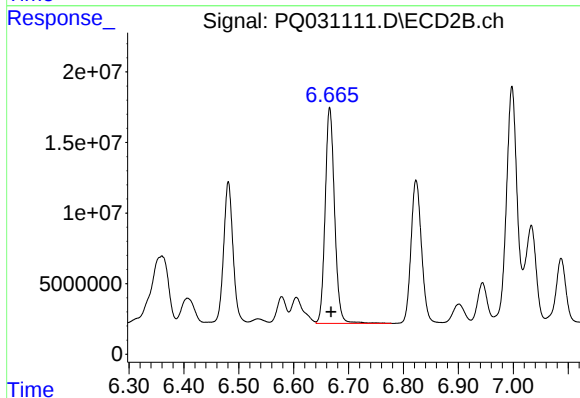
R.T.: 6.481 min  
Delta R.T.: -0.002 min  
Response: 119651729  
Conc: 804.53 ng/ml



#32 AR-1260-2

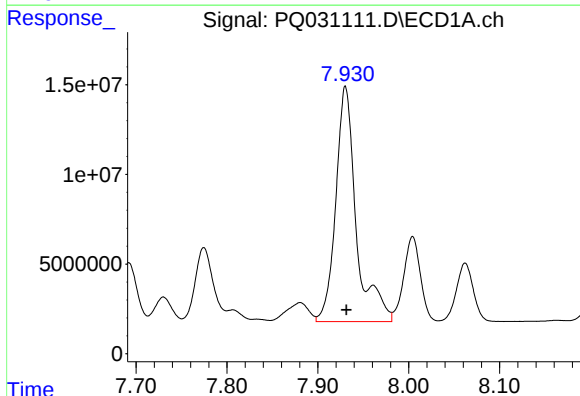
R.T.: 7.644 min  
Delta R.T.: -0.001 min  
Response: 146791701  
Conc: 972.40 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



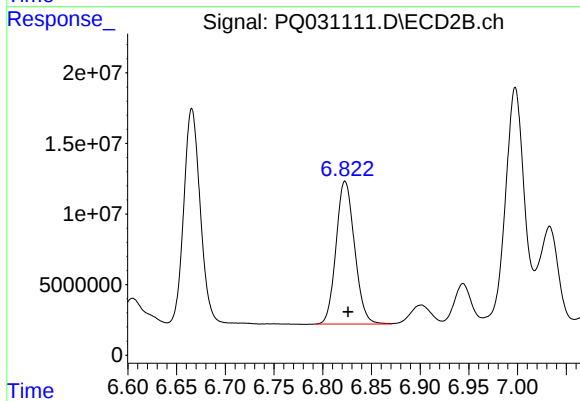
#32 AR-1260-2

R.T.: 6.666 min  
Delta R.T.: -0.002 min  
Response: 182545373  
Conc: 1024.30 ng/ml



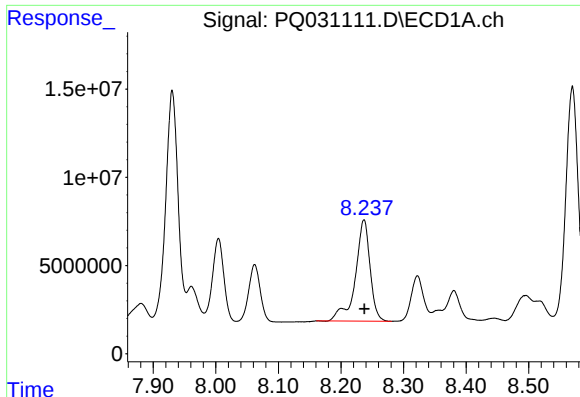
#33 AR-1260-3

R.T.: 7.930 min  
Delta R.T.: 0.000 min  
Response: 205271125  
Conc: 1142.61 ng/ml



#33 AR-1260-3

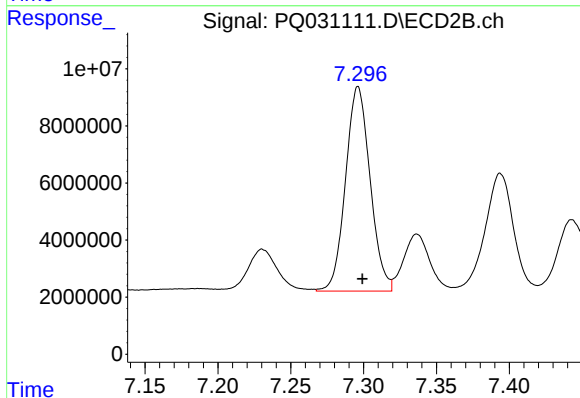
R.T.: 6.823 min  
Delta R.T.: -0.003 min  
Response: 133747906  
Conc: 778.03 ng/ml



#34 AR-1260-4

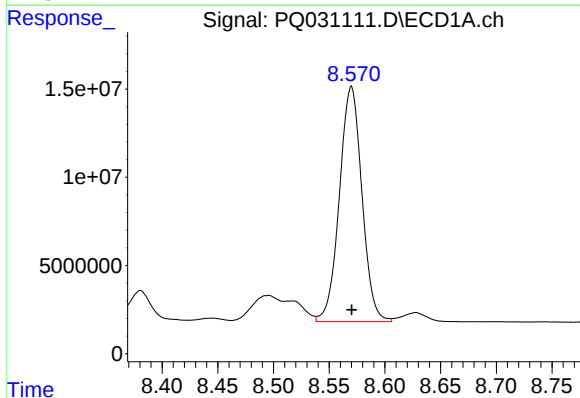
R.T.: 8.237 min  
Delta R.T.: 0.000 min  
Response: 94125198  
Conc: 729.38 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



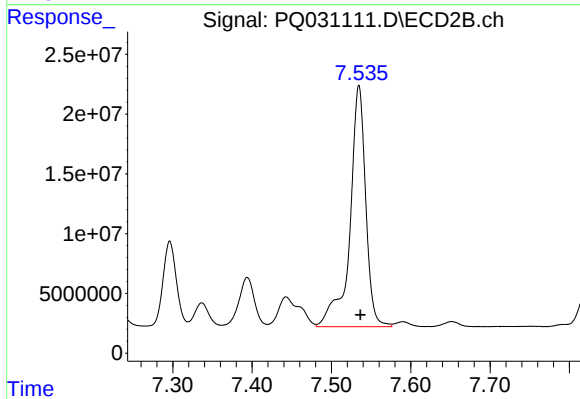
#34 AR-1260-4

R.T.: 7.296 min  
Delta R.T.: -0.003 min  
Response: 84090880  
Conc: 608.05 ng/ml



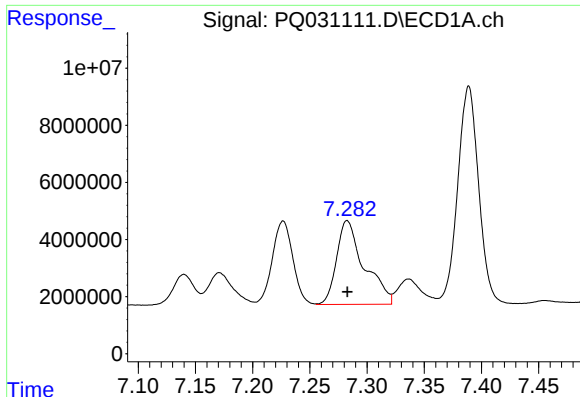
#35 AR-1260-5

R.T.: 8.570 min  
Delta R.T.: 0.000 min  
Response: 187659839  
Conc: 728.59 ng/ml



#35 AR-1260-5

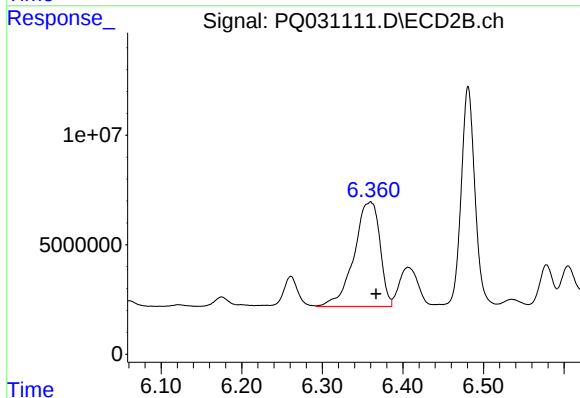
R.T.: 7.535 min  
Delta R.T.: -0.002 min  
Response: 281076478  
Conc: 878.75 ng/ml



#36 AR-1262-1

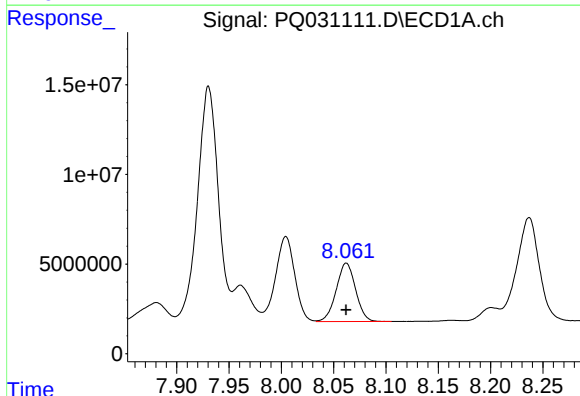
R.T.: 7.283 min  
Delta R.T.: 0.000 min  
Response: 49125444  
Conc: 617.31 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



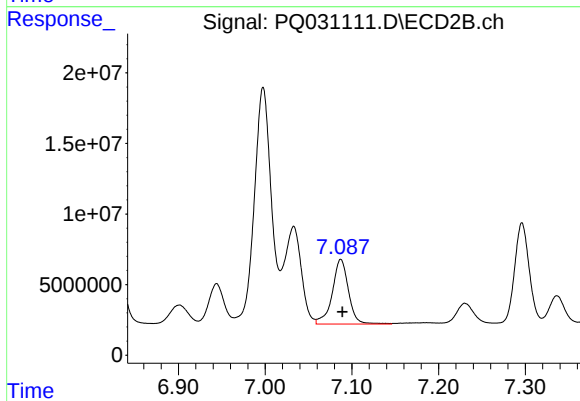
#36 AR-1262-1

R.T.: 6.360 min  
Delta R.T.: -0.007 min  
Response: 106355285  
Conc: 891.92 ng/ml



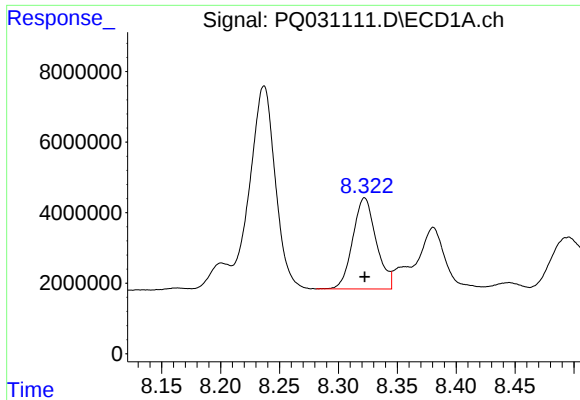
#37 AR-1262-2

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 42000598  
Conc: 570.63 ng/ml



#37 AR-1262-2

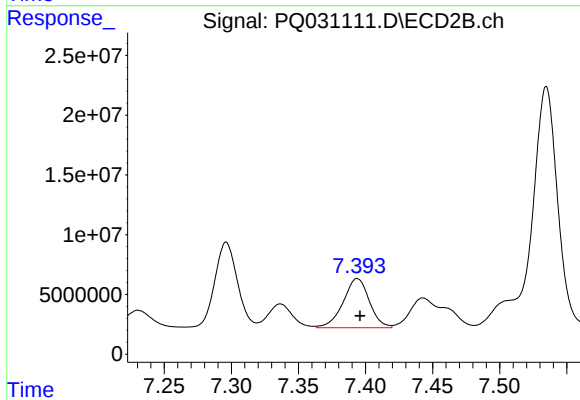
R.T.: 7.087 min  
Delta R.T.: -0.002 min  
Response: 59391504  
Conc: 619.60 ng/ml



#38 AR-1262-3

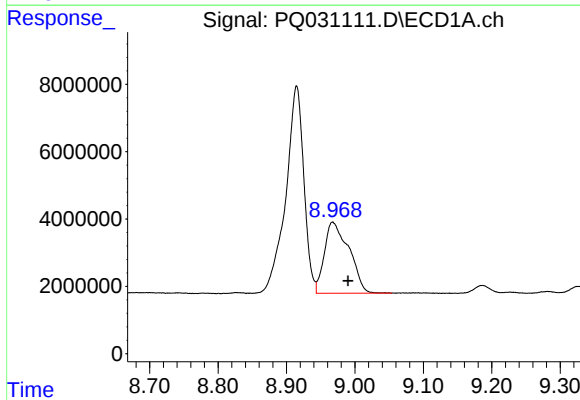
R.T.: 8.322 min  
Delta R.T.: 0.000 min  
Response: 35835869  
Conc: 406.12 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



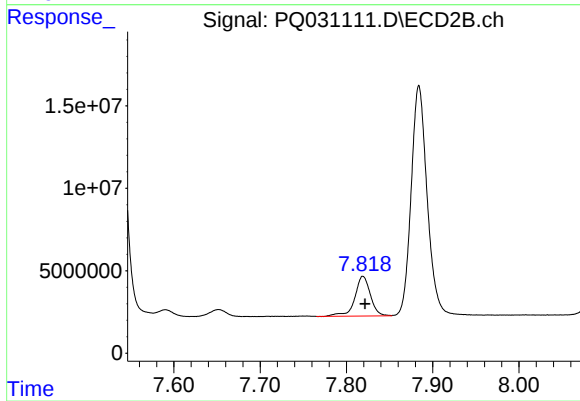
#38 AR-1262-3

R.T.: 7.394 min  
Delta R.T.: -0.002 min  
Response: 56072009  
Conc: 582.48 ng/ml



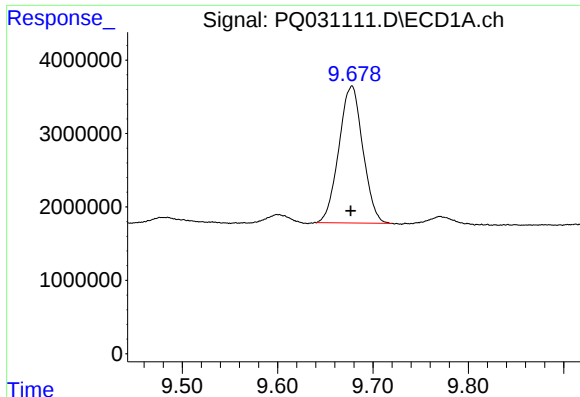
#39 AR-1262-4

R.T.: 8.968 min  
Delta R.T.: -0.022 min  
Response: 52923913  
Conc: 350.33 ng/ml



#39 AR-1262-4

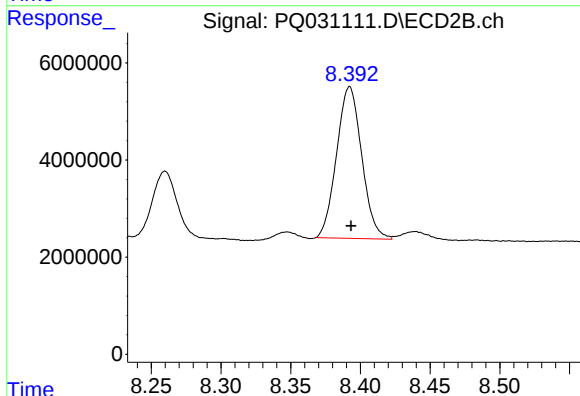
R.T.: 7.819 min  
Delta R.T.: -0.003 min  
Response: 30272350  
Conc: 178.81 ng/ml



#40 AR-1262-5

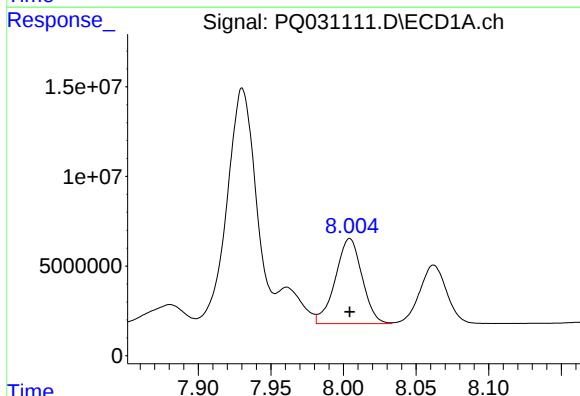
R.T.: 9.677 min  
Delta R.T.: 0.000 min  
Response: 32508841  
Conc: 326.02 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



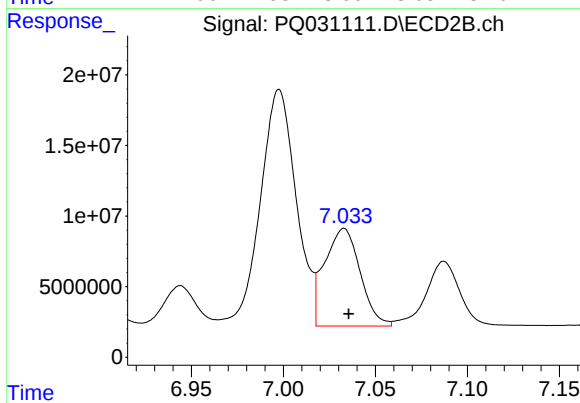
#40 AR-1262-5

R.T.: 8.392 min  
Delta R.T.: -0.001 min  
Response: 39206421  
Conc: 342.80 ng/ml



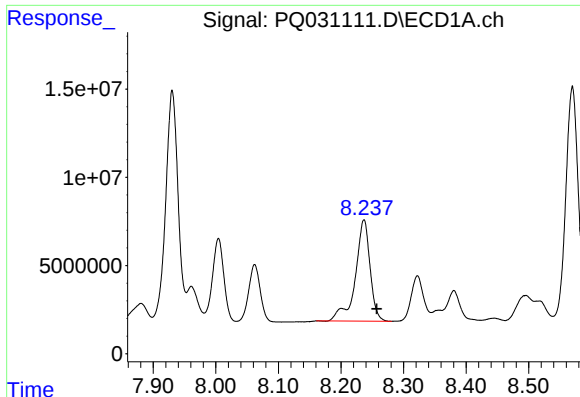
#41 AR-1268-1

R.T.: 8.004 min  
Delta R.T.: 0.000 min  
Response: 60757842  
Conc: 828.99 ng/ml



#41 AR-1268-1

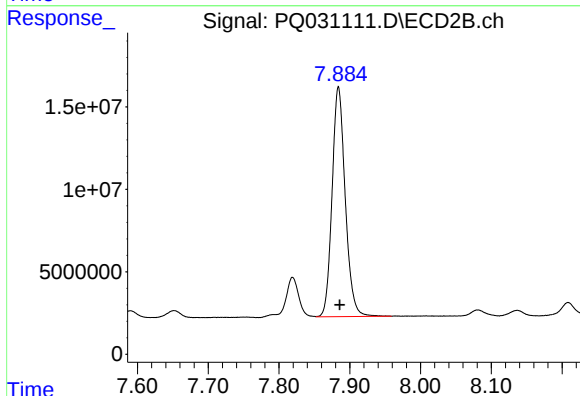
R.T.: 7.033 min  
Delta R.T.: -0.003 min  
Response: 92929460  
Conc: 1058.69 ng/ml



#42 AR-1268-2

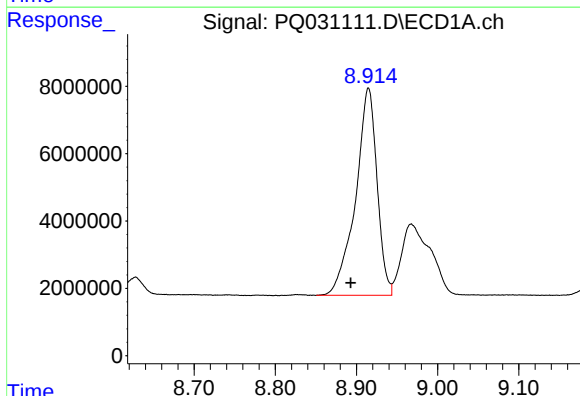
R.T.: 8.237 min  
Delta R.T.: -0.020 min  
Response: 94125198  
Conc: 950.50 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



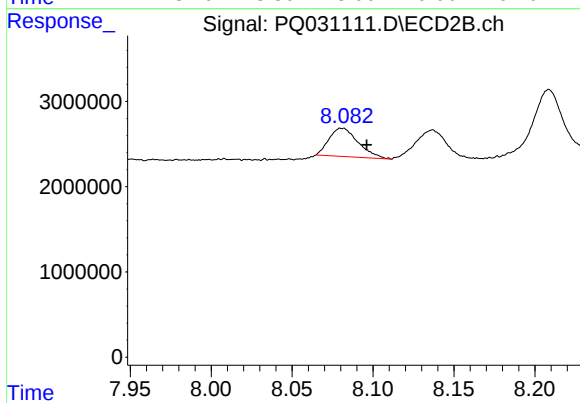
#42 AR-1268-2

R.T.: 7.884 min  
Delta R.T.: -0.002 min  
Response: 180111042  
Conc: 376.65 ng/ml



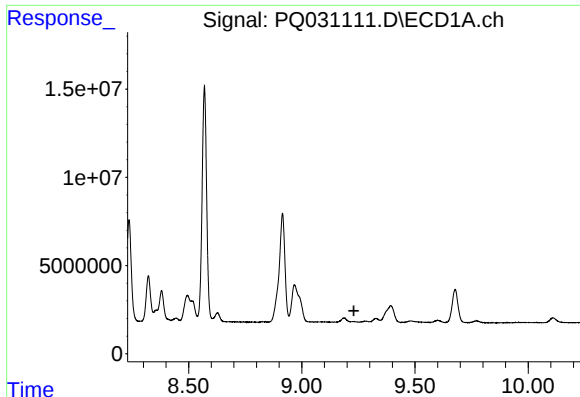
#43 AR-1268-3

R.T.: 8.915 min  
Delta R.T.: 0.022 min  
Response: 113049389  
Conc: 267.76 ng/ml



#43 AR-1268-3

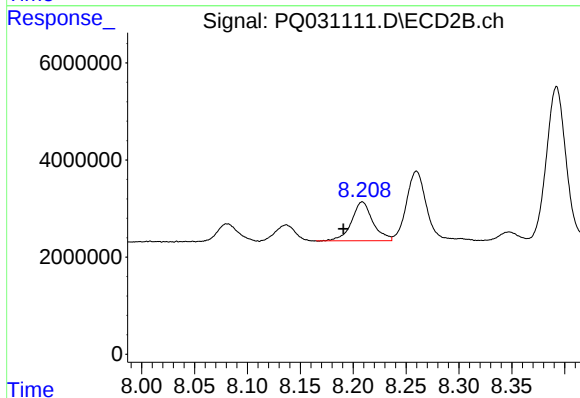
R.T.: 8.081 min  
Delta R.T.: -0.015 min  
Response: 4155950  
Conc: 10.63 ng/ml



#44 AR-1268-4

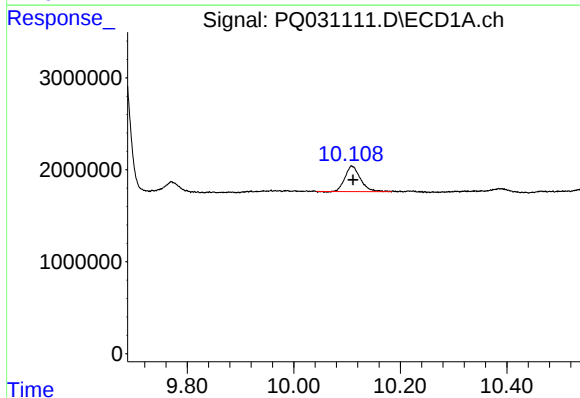
R.T.: 0.000 min  
Exp R.T.: 9.230 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



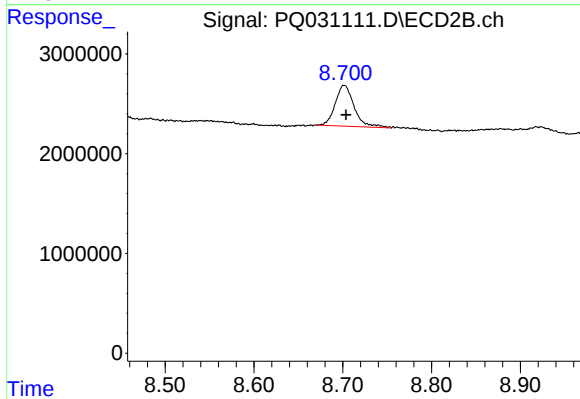
#44 AR-1268-4

R.T.: 8.209 min  
Delta R.T.: 0.018 min  
Response: 11274089  
Conc: 115.42 ng/ml



#45 AR-1268-5

R.T.: 10.109 min  
Delta R.T.: -0.002 min  
Response: 5532883  
Conc: 6.18 ng/ml



#45 AR-1268-5

R.T.: 8.702 min  
Delta R.T.: -0.002 min  
Response: 6070087  
Conc: 5.57 ng/ml