

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ072519\  
 Data File : PQ041545.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 25 Jul 2019 15:56  
 Operator : SM\AJ  
 Sample : AR1242CCC400  
 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: Jul 26 00:53:06 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ072119CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jul 23 11:02:25 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... | 5.702  | 4.758  | 68332786 | 57857819 | 17.850  | 19.247    |
| 2)                          | SA Decachlor... | 12.107 | 10.521 | 430.4E6  | 221.9E6  | 41.605  | 48.691    |
| Target Compounds            |                 |        |        |          |          |         |           |
| 3)                          | L1 AR-1016-1    | 7.148  | 6.212  | 48239000 | 46173270 | 276.390 | 315.579   |
| 4)                          | L1 AR-1016-2    | 7.173  | 6.235  | 71534614 | 63574856 | 271.251 | 305.440   |
| 5)                          | L1 AR-1016-3    | 7.244  | 6.449  | 42475779 | 34263977 | 262.563 | 303.473   |
| 6)                          | L1 AR-1016-4    | 7.357  | 6.503  | 35964574 | 26589106 | 266.861 | 291.658   |
| 7)                          | L1 AR-1016-5    | 7.690  | 6.756  | 35963943 | 35292542 | 270.264 | 293.662   |
| 8)                          | L2 AR-1221-1    | 0.000  | 5.065  | 0        | 3513694  | N.D.    | 85.142 #  |
| 9)                          | L2 AR-1221-2    | 6.091  | 5.183  | 4804015  | 4744145  | 141.228 | 149.889   |
| 10)                         | L2 AR-1221-3    | 6.186  | 5.288  | 21964111 | 20077369 | 182.162 | 189.509   |
| 11)                         | L3 AR-1232-1    | 6.186  | 5.288  | 21964111 | 20077369 | 244.803 | 264.653   |
| 12)                         | L3 AR-1232-2    | 6.831  | 6.235  | 30221402 | 63574856 | 612.021 | 680.524   |
| 13)                         | L3 AR-1232-3    | 7.173  | 6.449  | 71534614 | 34263977 | 632.037 | 711.859   |
| 14)                         | L3 AR-1232-4    | 7.357  | 6.552  | 35964574 | 33674685 | 608.456 | 781.049 # |
| 15)                         | L3 AR-1232-5    | 7.462  | 6.756  | 28390166 | 35292542 | 769.279 | 729.613   |
| 16)                         | L4 AR-1242-1    | 7.148  | 6.212  | 48239000 | 46173270 | 385.114 | 437.502   |
| 17)                         | L4 AR-1242-2    | 7.173  | 6.235  | 71534614 | 63574856 | 375.640 | 409.984   |
| 18)                         | L4 AR-1242-3    | 7.244  | 6.449  | 42475779 | 34263977 | 359.253 | 410.580   |
| 19)                         | L4 AR-1242-4    | 7.357  | 6.552  | 35964574 | 33674685 | 366.918 | 413.441   |
| 20)                         | L4 AR-1242-5    | 8.179  | 7.165  | 48420339 | 51432905 | 365.225 | 412.025   |
| 21)                         | L5 AR-1248-1    | 7.148  | 6.212  | 48239000 | 46173270 | 520.050 | 574.880   |
| 22)                         | L5 AR-1248-2    | 7.462  | 6.503  | 28390166 | 26589106 | 230.706 | 237.371   |
| 23)                         | L5 AR-1248-3    | 7.690  | 6.552  | 35963943 | 33674685 | 229.018 | 291.739 # |
| 24)                         | L5 AR-1248-4    | 8.138  | 6.756  | 46555258 | 35292542 | 215.525 | 243.807   |
| 25)                         | L5 AR-1248-5    | 8.179  | 7.211  | 48420339 | 44940614 | 227.369 | 267.056   |
| 26)                         | L6 AR-1254-1    | 8.106  | 7.165  | 33081810 | 51432905 | 163.204 | 202.249   |
| 27)                         | L6 AR-1254-2    | 8.350  | 7.333  | 40137842 | 12033440 | 116.209 | 52.597 #  |
| 28)                         | L6 AR-1254-3    | 8.740  | 7.780  | 17407550 | 16603856 | 42.008  | 40.907    |
| 29)                         | L6 AR-1254-4    | 9.042  | 8.029  | 16305408 | 15641245 | 45.052  | 57.254 #  |
| 30)                         | L6 AR-1254-5    | 9.482  | 8.476  | 6010328  | 4834427  | 14.969  | 12.108    |
| 31)                         | L7 AR-1260-1    | 8.871  | 7.938  | 9367117  | 5553740  | 31.005  | 20.882 #  |
| 32)                         | L7 AR-1260-2    | 9.180  | 8.124  | 3854665  | 2167554  | 8.410   | 5.974 #   |
| 33)                         | L7 AR-1260-3    | 0.000  | 8.289  | 0        | 1930902  | N.D.    | 6.149 #   |
| 34)                         | L7 AR-1260-4    | 9.791  | 8.831  | 5886630  | 1791976  | 13.984  | 6.295 #   |
| 35)                         | L7 AR-1260-5    | 0.000  | 9.018  | 0        | 1641612  | N.D.    | 2.208 #   |
| 37)                         | L8 AR-1262-2    | 0.000  | 9.018  | 0        | 1641612  | N.D.    | 1.954 #   |
| 43)                         | L9 AR-1268-3    | 10.834 | 9.613  | 18897974 | 7609861  | 13.443  | 9.533 #   |
| 45)                         | L9 AR-1268-5    | 11.742 | 10.244 | 69607811 | 1686353  | 16.068  | 0.854 #   |
| -----                       |                 |        |        |          |          |         |           |

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

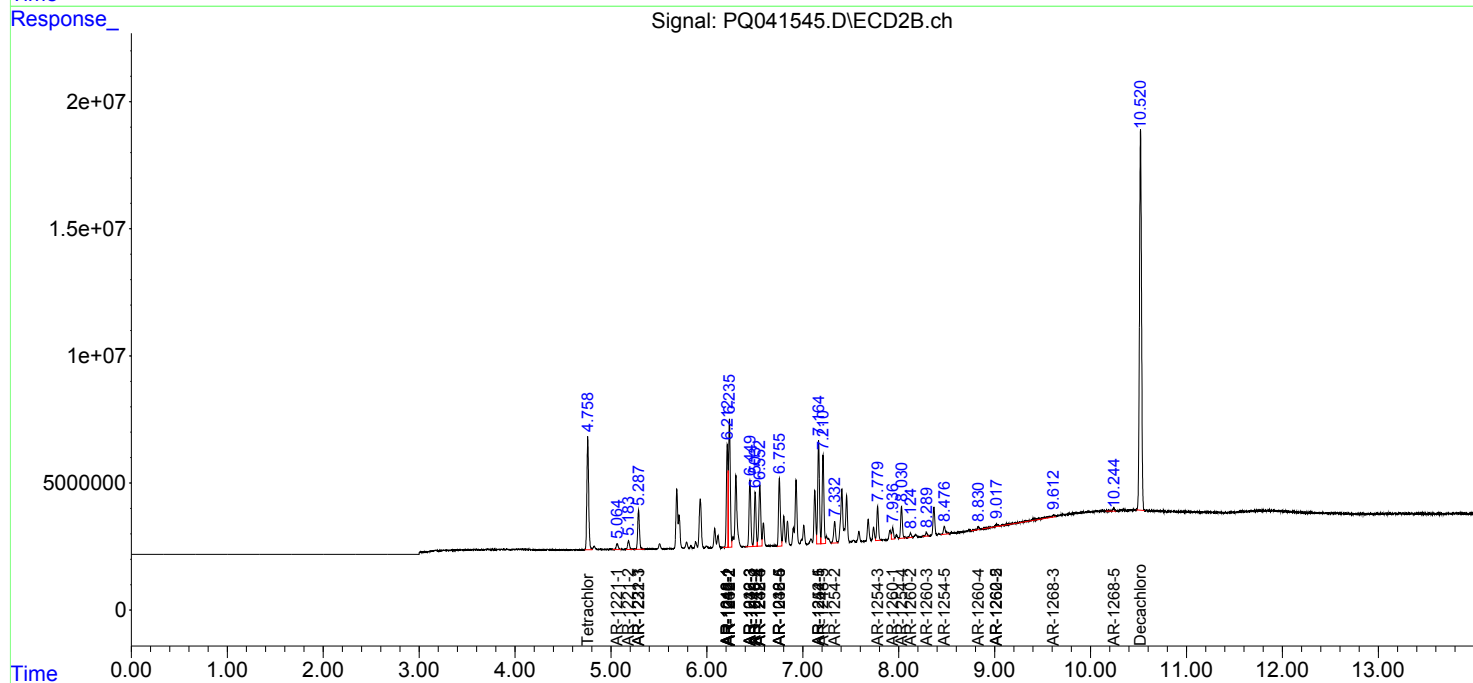
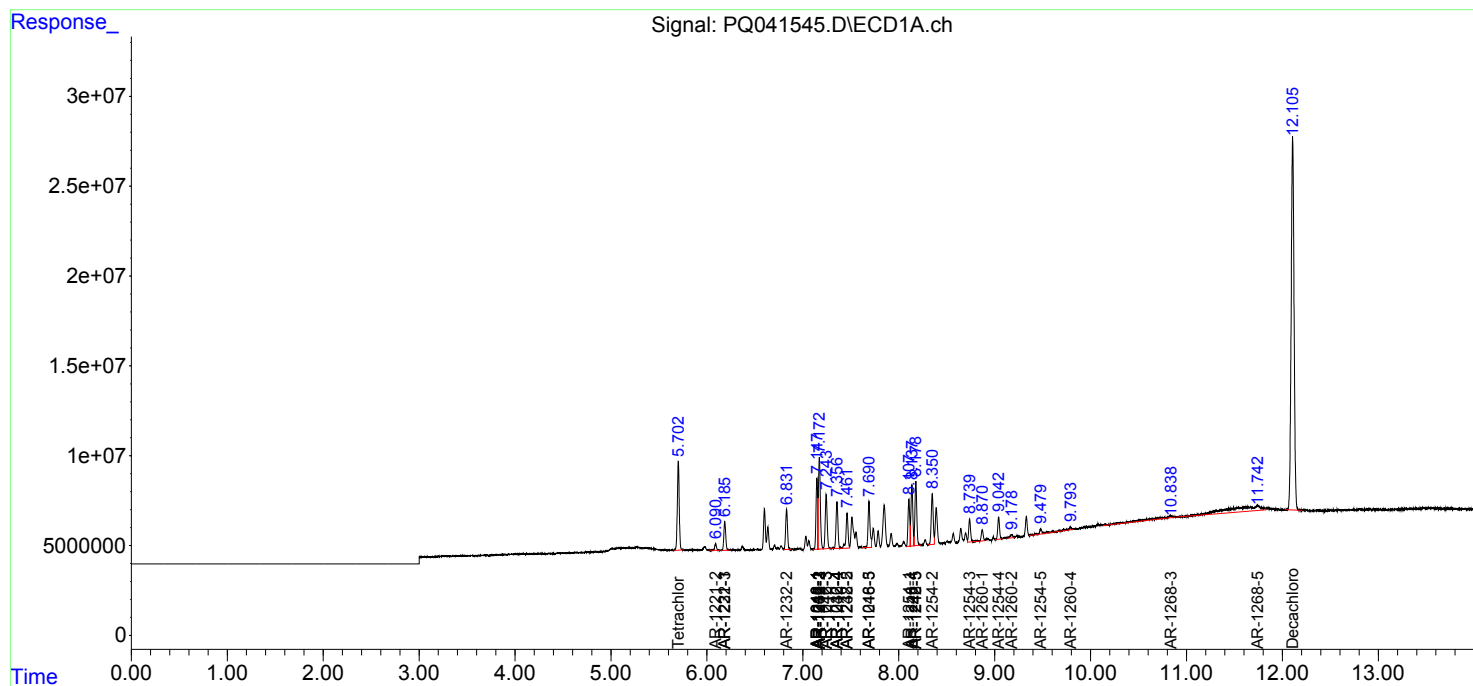
Instrument :  
ECD\_Q  
ClientSampleId :

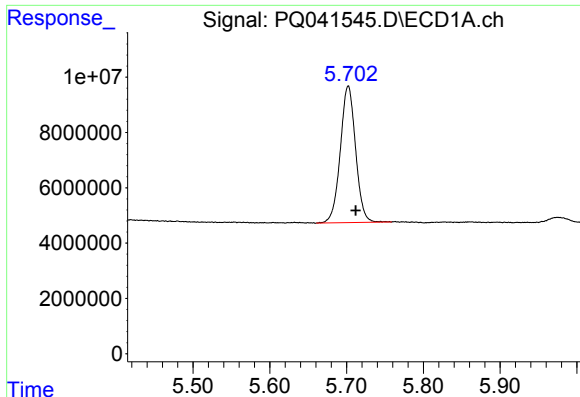
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ072519\  
Data File : PQ041545.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 25 Jul 2019 15:56  
Operator : SM\AJ  
Sample : AR1242CCC400  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_Q  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 26 00:53:06 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ072119CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jul 23 11:02:25 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

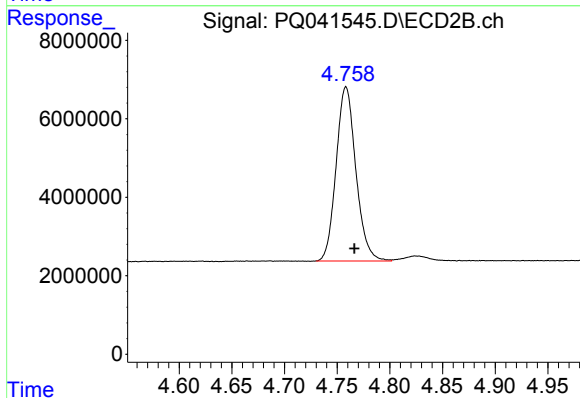




#1 Tetrachloro-m-xylene

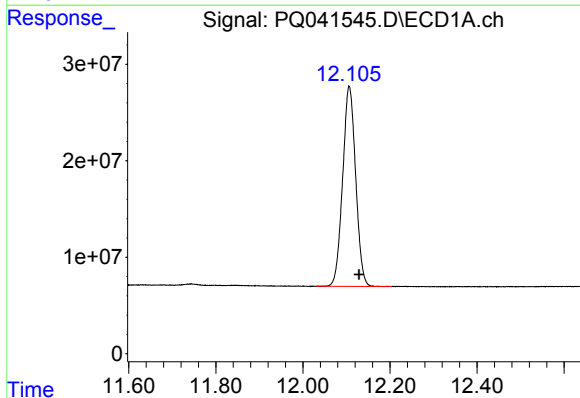
R.T.: 5.702 min  
Delta R.T.: -0.010 min  
Response: 68332786  
Conc: 17.85 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



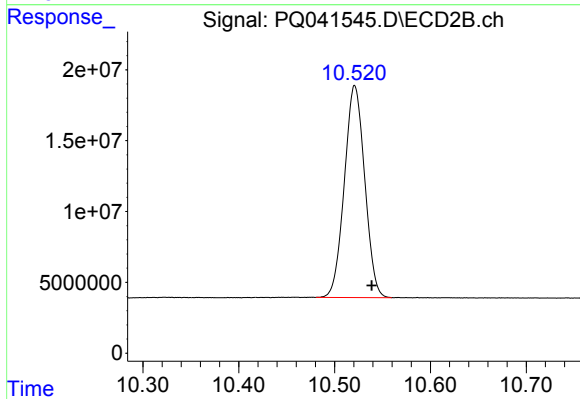
#1 Tetrachloro-m-xylene

R.T.: 4.758 min  
Delta R.T.: -0.008 min  
Response: 57857819  
Conc: 19.25 ng/ml



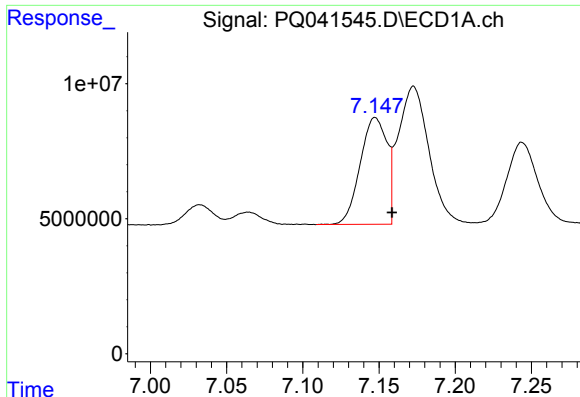
#2 Decachlorobiphenyl

R.T.: 12.107 min  
Delta R.T.: -0.023 min  
Response: 430355595  
Conc: 41.61 ng/ml



#2 Decachlorobiphenyl

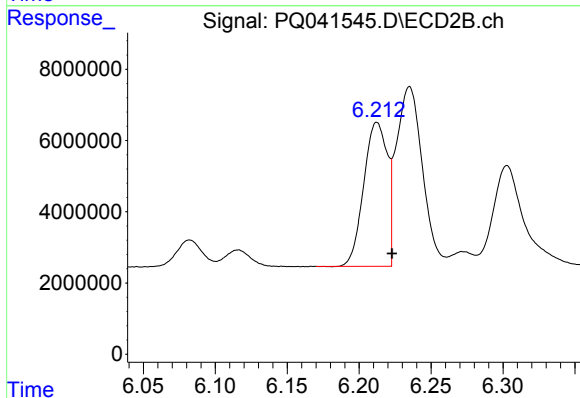
R.T.: 10.521 min  
Delta R.T.: -0.018 min  
Response: 221871747  
Conc: 48.69 ng/ml



#3 AR-1016-1

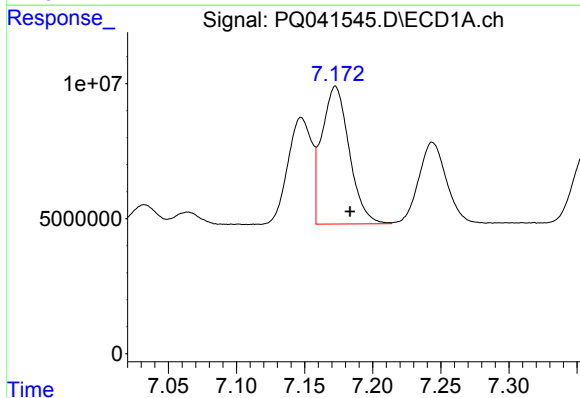
R.T.: 7.148 min  
Delta R.T.: -0.011 min  
Response: 48239000  
Conc: 276.39 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



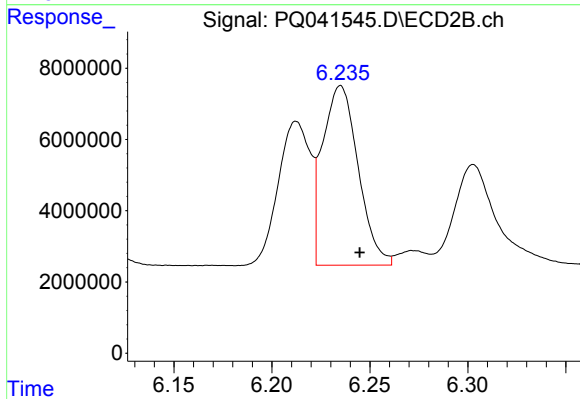
#3 AR-1016-1

R.T.: 6.212 min  
Delta R.T.: -0.010 min  
Response: 46173270  
Conc: 315.58 ng/ml



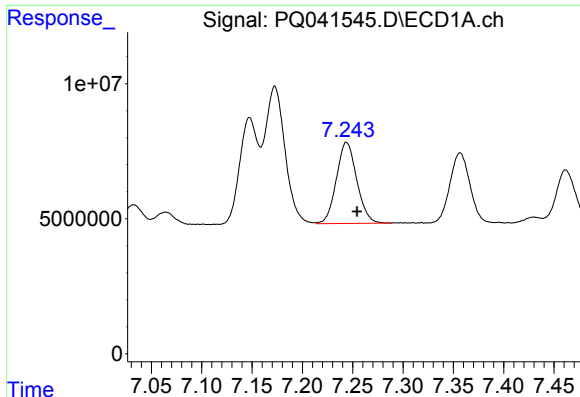
#4 AR-1016-2

R.T.: 7.173 min  
Delta R.T.: -0.011 min  
Response: 71534614  
Conc: 271.25 ng/ml



#4 AR-1016-2

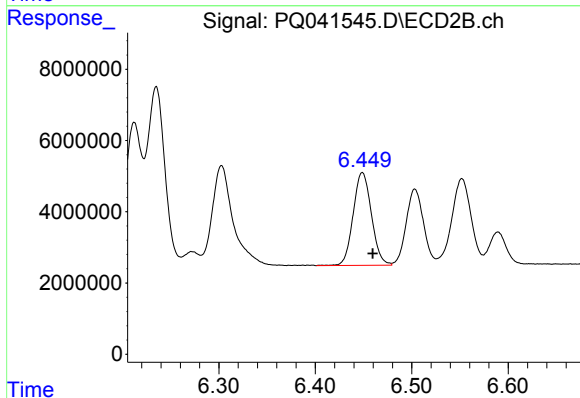
R.T.: 6.235 min  
Delta R.T.: -0.010 min  
Response: 63574856  
Conc: 305.44 ng/ml



#5 AR-1016-3

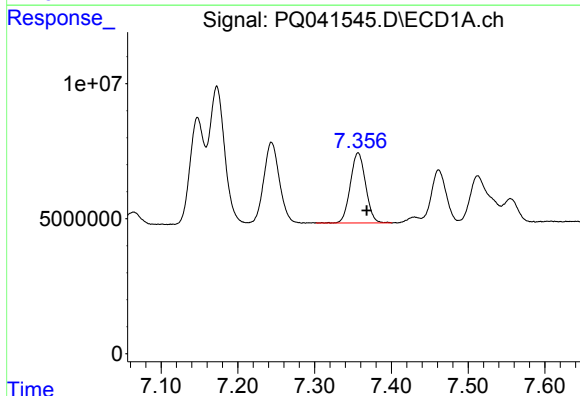
R.T.: 7.244 min  
Delta R.T.: -0.011 min  
Response: 42475779  
Conc: 262.56 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



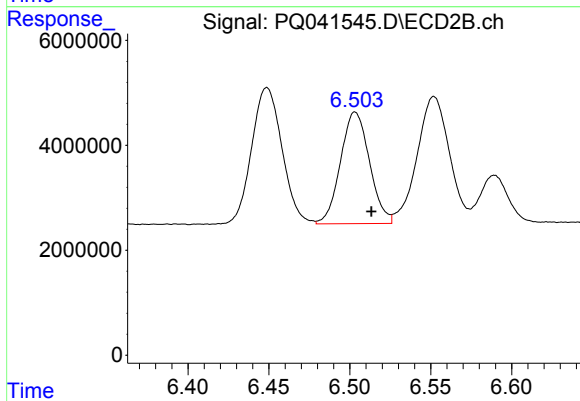
#5 AR-1016-3

R.T.: 6.449 min  
Delta R.T.: -0.011 min  
Response: 34263977  
Conc: 303.47 ng/ml



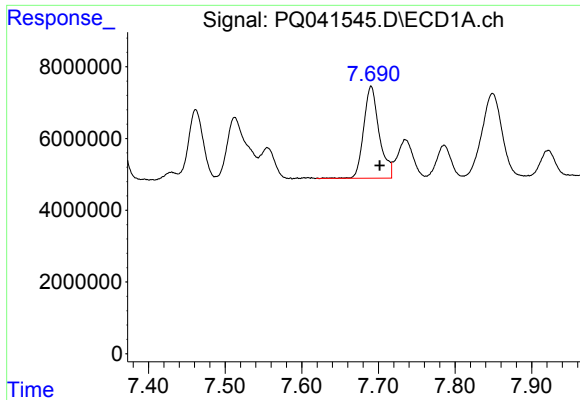
#6 AR-1016-4

R.T.: 7.357 min  
Delta R.T.: -0.011 min  
Response: 35964574  
Conc: 266.86 ng/ml



#6 AR-1016-4

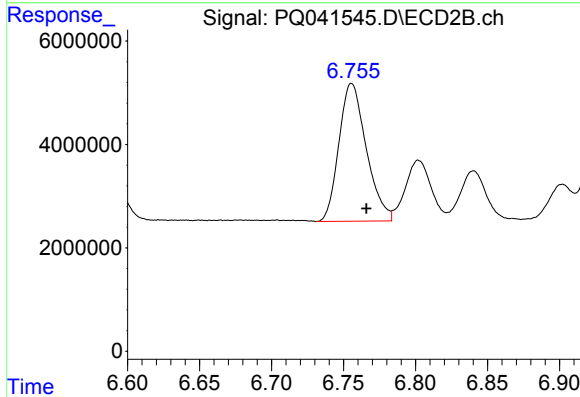
R.T.: 6.503 min  
Delta R.T.: -0.010 min  
Response: 26589106  
Conc: 291.66 ng/ml



#7 AR-1016-5

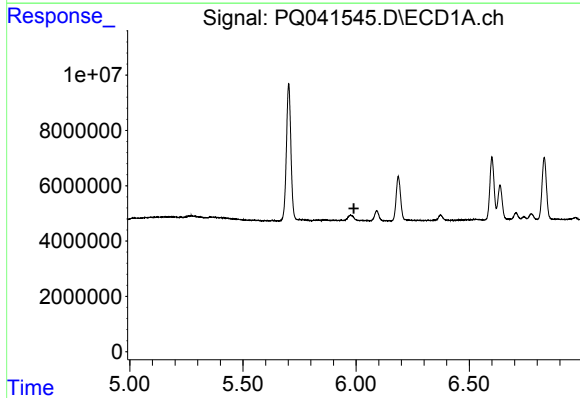
R.T.: 7.690 min  
Delta R.T.: -0.011 min  
Response: 35963943  
Conc: 270.26 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



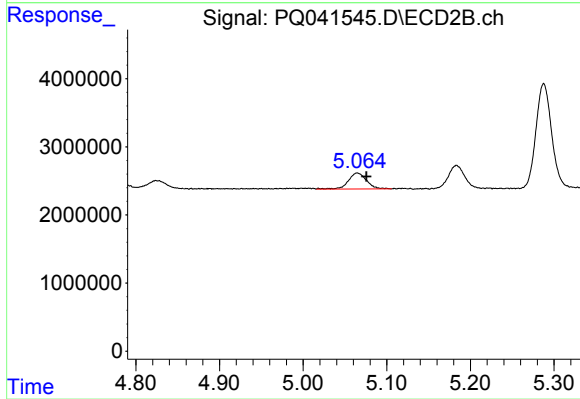
#7 AR-1016-5

R.T.: 6.756 min  
Delta R.T.: -0.010 min  
Response: 35292542  
Conc: 293.66 ng/ml



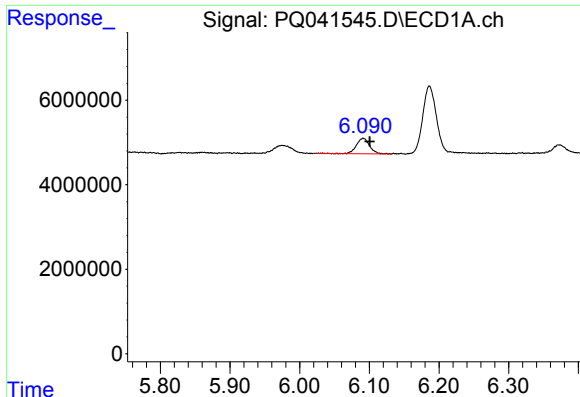
#8 AR-1221-1

R.T.: 0.000 min  
Exp R.T. : 5.990 min  
Response: 0  
Conc: N.D.



#8 AR-1221-1

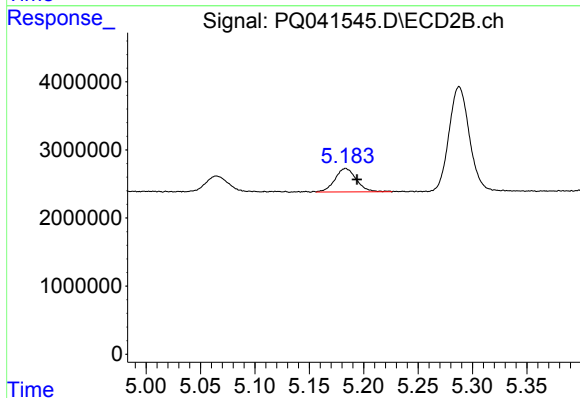
R.T.: 5.065 min  
Delta R.T.: -0.011 min  
Response: 3513694  
Conc: 85.14 ng/ml



#9 AR-1221-2

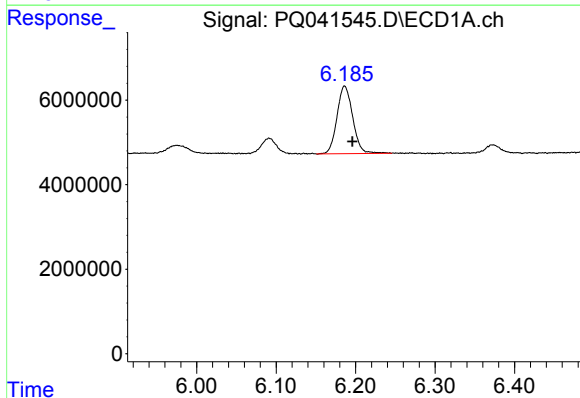
R.T.: 6.091 min  
Delta R.T.: -0.010 min  
Response: 4804015  
Conc: 141.23 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



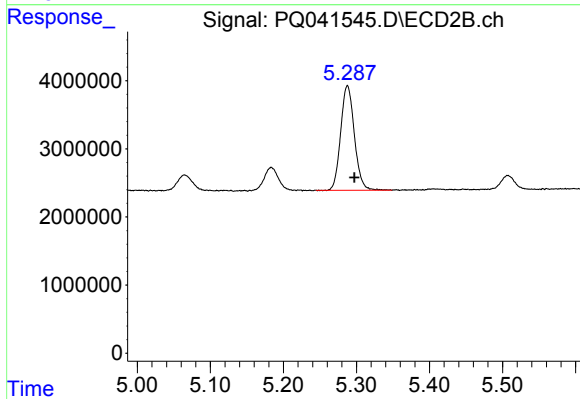
#9 AR-1221-2

R.T.: 5.183 min  
Delta R.T.: -0.010 min  
Response: 4744145  
Conc: 149.89 ng/ml



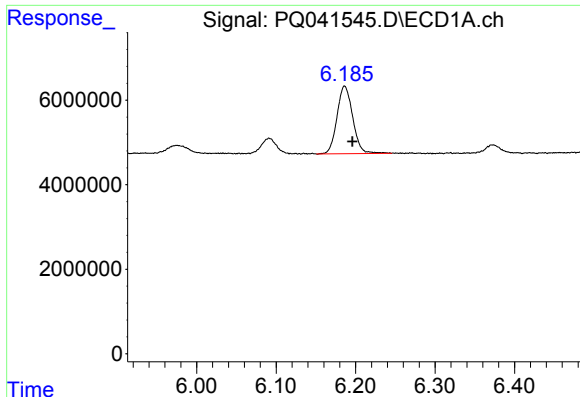
#10 AR-1221-3

R.T.: 6.186 min  
Delta R.T.: -0.010 min  
Response: 21964111  
Conc: 182.16 ng/ml



#10 AR-1221-3

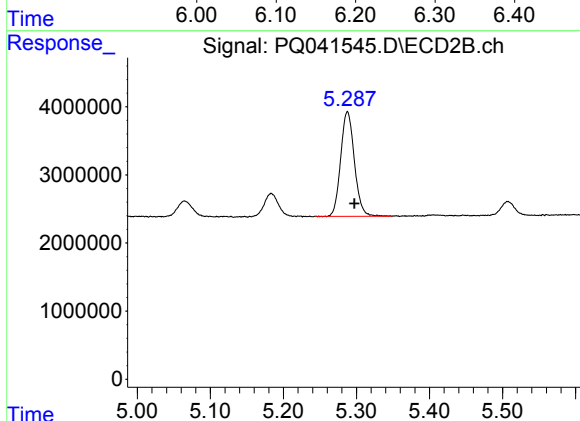
R.T.: 5.288 min  
Delta R.T.: -0.009 min  
Response: 20077369  
Conc: 189.51 ng/ml



#11 AR-1232-1

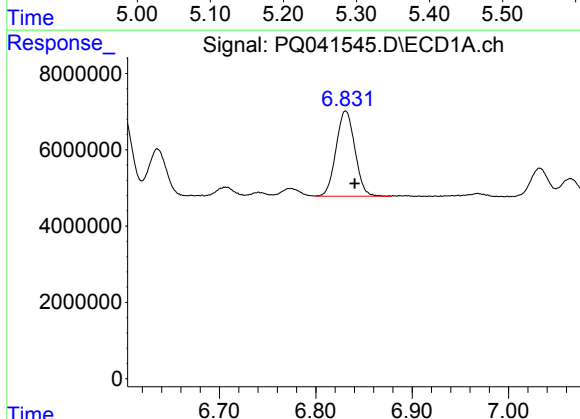
R.T.: 6.186 min  
Delta R.T.: -0.010 min  
Response: 21964111  
Conc: 244.80 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



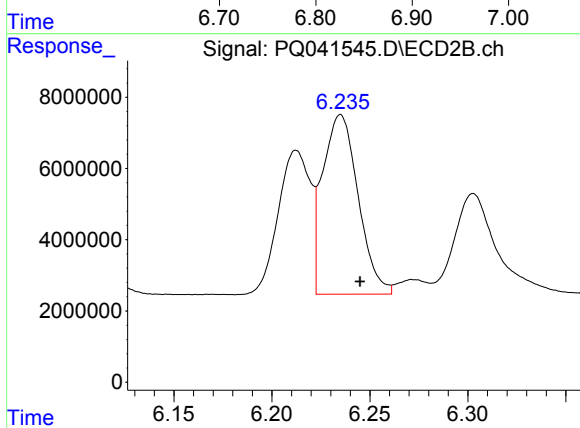
#11 AR-1232-1

R.T.: 5.288 min  
Delta R.T.: -0.009 min  
Response: 20077369  
Conc: 264.65 ng/ml



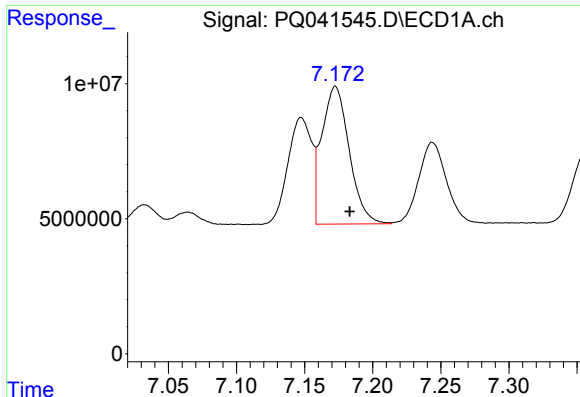
#12 AR-1232-2

R.T.: 6.831 min  
Delta R.T.: -0.009 min  
Response: 30221402  
Conc: 612.02 ng/ml



#12 AR-1232-2

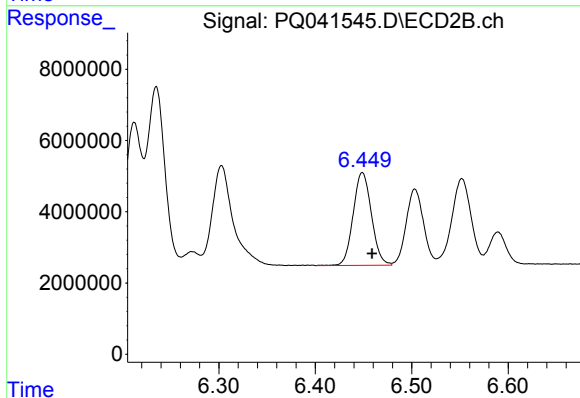
R.T.: 6.235 min  
Delta R.T.: -0.010 min  
Response: 63574856  
Conc: 680.52 ng/ml



#13 AR-1232-3

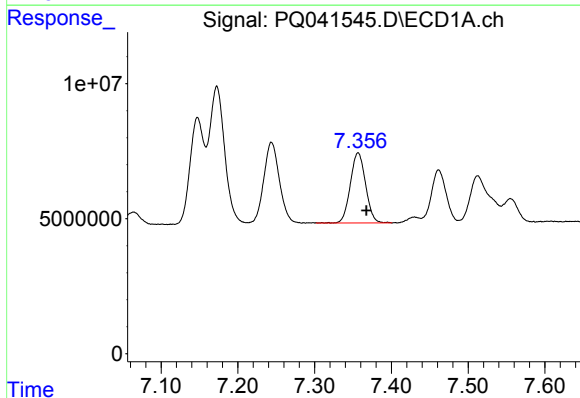
R.T.: 7.173 min  
Delta R.T.: -0.011 min  
Response: 71534614  
Conc: 632.04 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



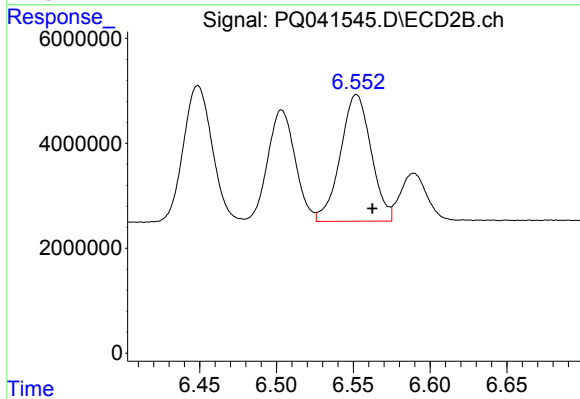
#13 AR-1232-3

R.T.: 6.449 min  
Delta R.T.: -0.010 min  
Response: 34263977  
Conc: 711.86 ng/ml



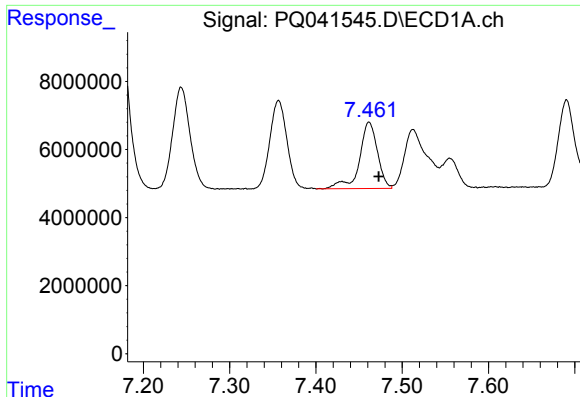
#14 AR-1232-4

R.T.: 7.357 min  
Delta R.T.: -0.011 min  
Response: 35964574  
Conc: 608.46 ng/ml



#14 AR-1232-4

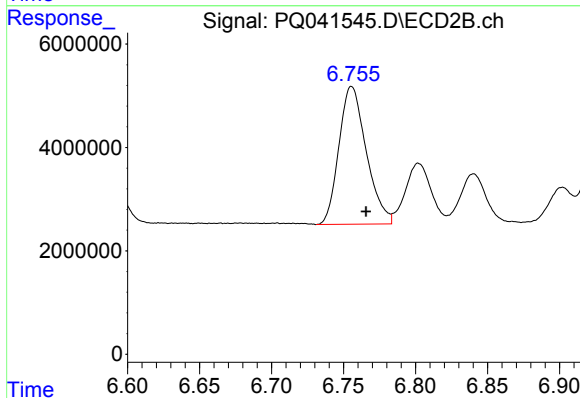
R.T.: 6.552 min  
Delta R.T.: -0.010 min  
Response: 33674685  
Conc: 781.05 ng/ml



#15 AR-1232-5

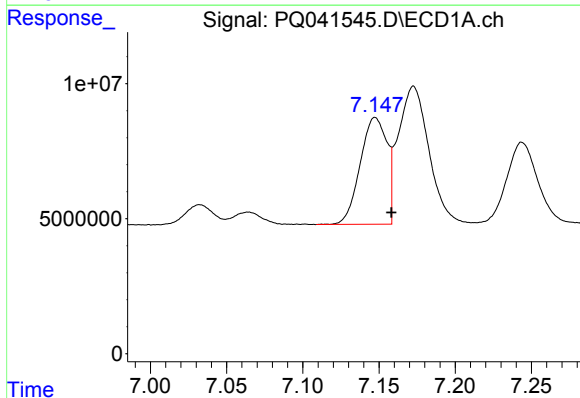
R.T.: 7.462 min  
Delta R.T.: -0.011 min  
Response: 28390166  
Conc: 769.28 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



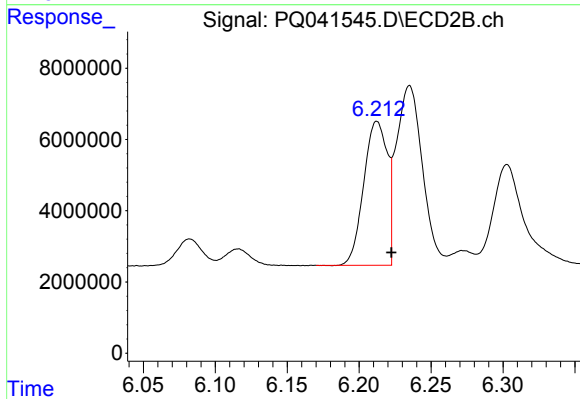
#15 AR-1232-5

R.T.: 6.756 min  
Delta R.T.: -0.010 min  
Response: 35292542  
Conc: 729.61 ng/ml



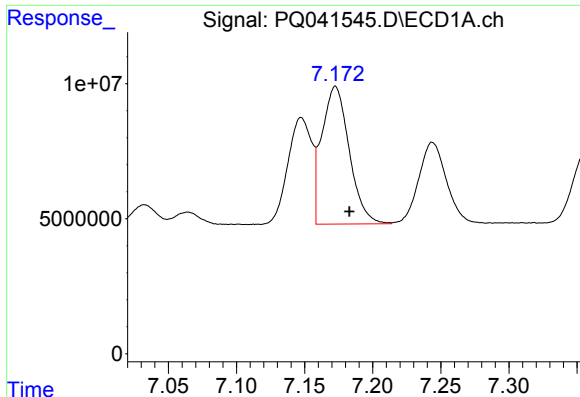
#16 AR-1242-1

R.T.: 7.148 min  
Delta R.T.: -0.010 min  
Response: 48239000  
Conc: 385.11 ng/ml



#16 AR-1242-1

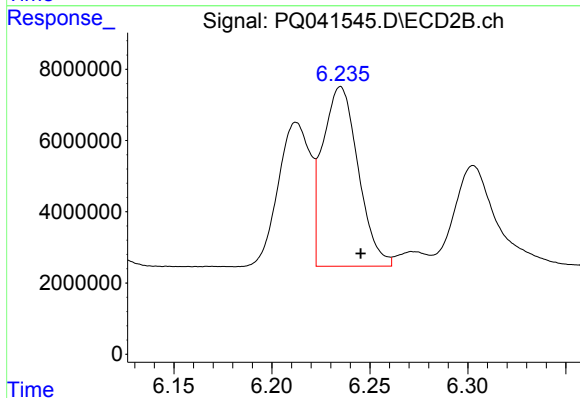
R.T.: 6.212 min  
Delta R.T.: -0.010 min  
Response: 46173270  
Conc: 437.50 ng/ml



#17 AR-1242-2

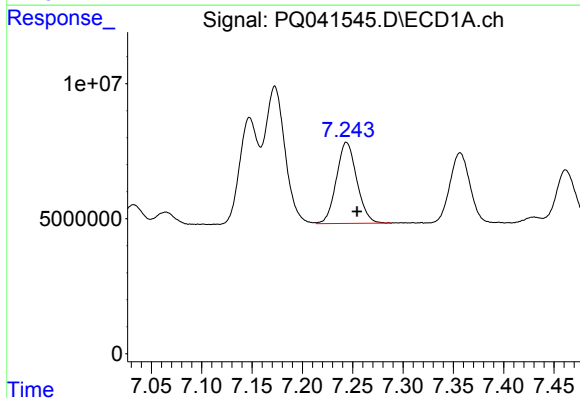
R.T.: 7.173 min  
Delta R.T.: -0.010 min  
Response: 71534614  
Conc: 375.64 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



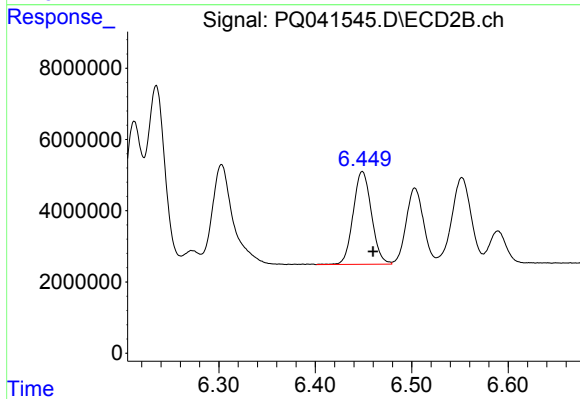
#17 AR-1242-2

R.T.: 6.235 min  
Delta R.T.: -0.010 min  
Response: 63574856  
Conc: 409.98 ng/ml



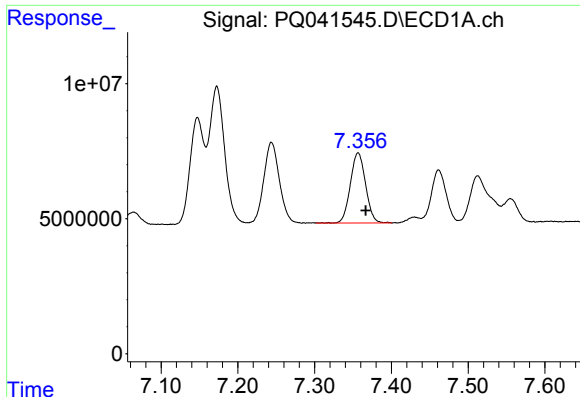
#18 AR-1242-3

R.T.: 7.244 min  
Delta R.T.: -0.010 min  
Response: 42475779  
Conc: 359.25 ng/ml



#18 AR-1242-3

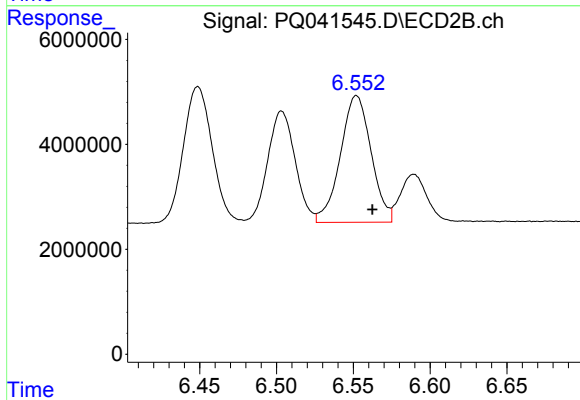
R.T.: 6.449 min  
Delta R.T.: -0.011 min  
Response: 34263977  
Conc: 410.58 ng/ml



#19 AR-1242-4

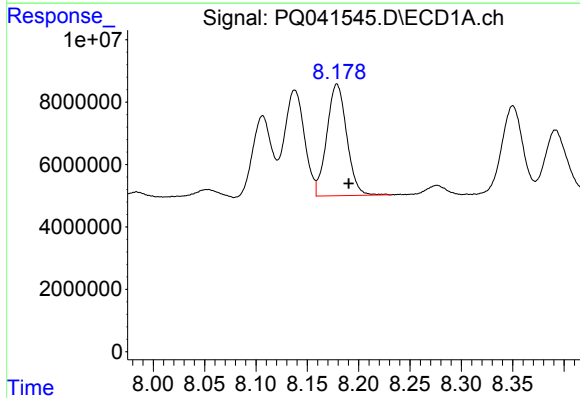
R.T.: 7.357 min  
Delta R.T.: -0.010 min  
Response: 35964574  
Conc: 366.92 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



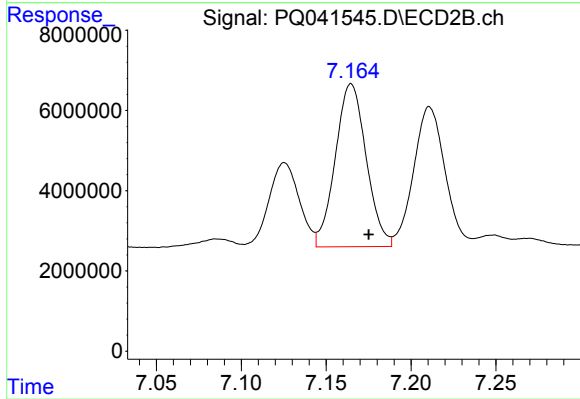
#19 AR-1242-4

R.T.: 6.552 min  
Delta R.T.: -0.010 min  
Response: 33674685  
Conc: 413.44 ng/ml



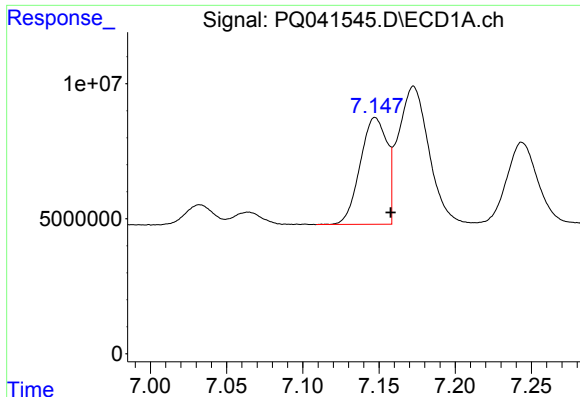
#20 AR-1242-5

R.T.: 8.179 min  
Delta R.T.: -0.011 min  
Response: 48420339  
Conc: 365.23 ng/ml



#20 AR-1242-5

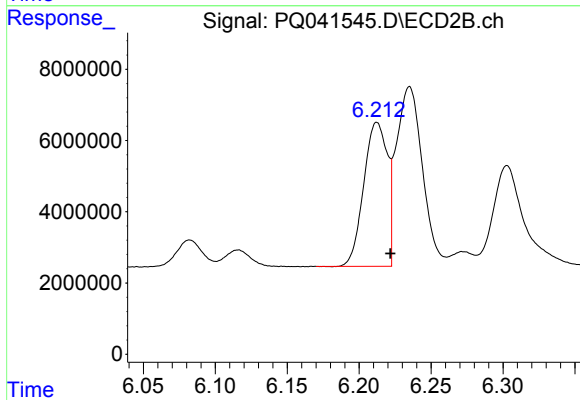
R.T.: 7.165 min  
Delta R.T.: -0.010 min  
Response: 51432905  
Conc: 412.02 ng/ml



#21 AR-1248-1

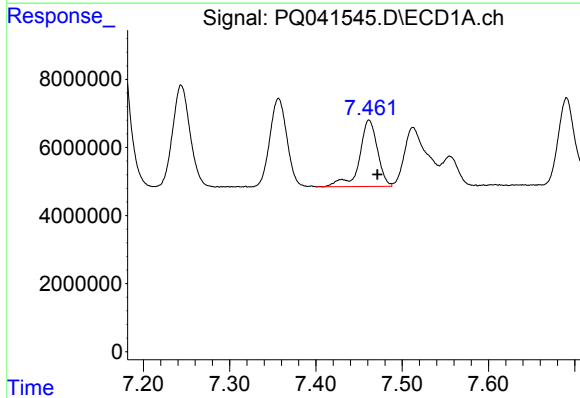
R.T.: 7.148 min  
Delta R.T.: -0.010 min  
Response: 48239000  
Conc: 520.05 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



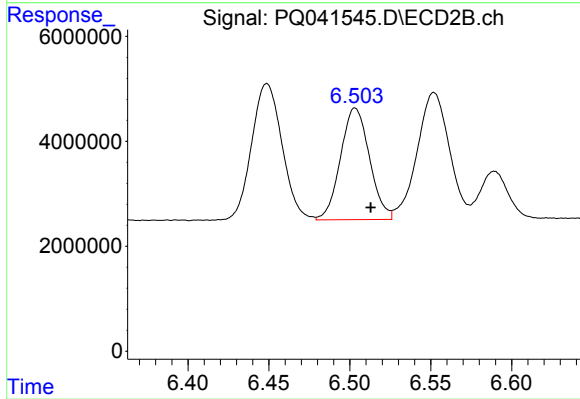
#21 AR-1248-1

R.T.: 6.212 min  
Delta R.T.: -0.009 min  
Response: 46173270  
Conc: 574.88 ng/ml



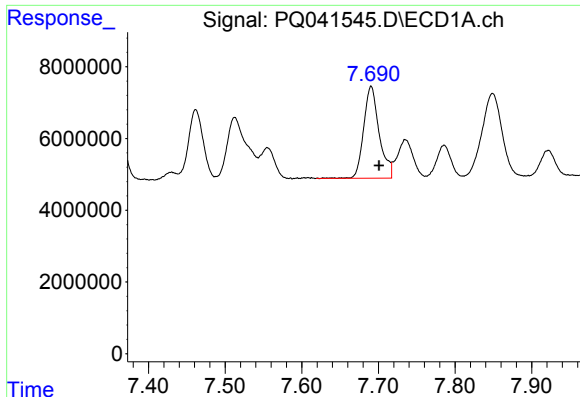
#22 AR-1248-2

R.T.: 7.462 min  
Delta R.T.: -0.009 min  
Response: 28390166  
Conc: 230.71 ng/ml



#22 AR-1248-2

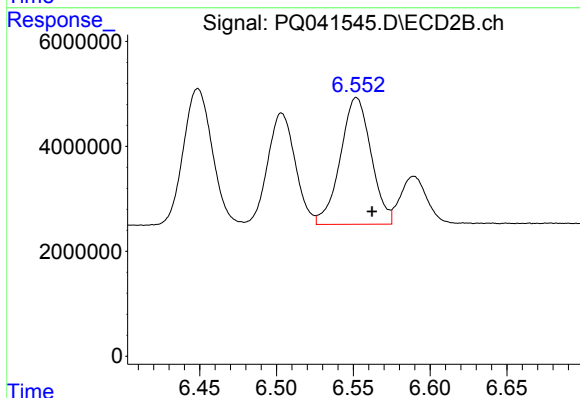
R.T.: 6.503 min  
Delta R.T.: -0.010 min  
Response: 26589106  
Conc: 237.37 ng/ml



#23 AR-1248-3

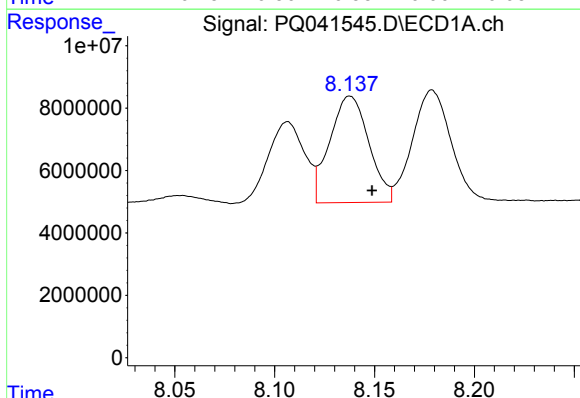
R.T.: 7.690 min  
Delta R.T.: -0.010 min  
Response: 35963943  
Conc: 229.02 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



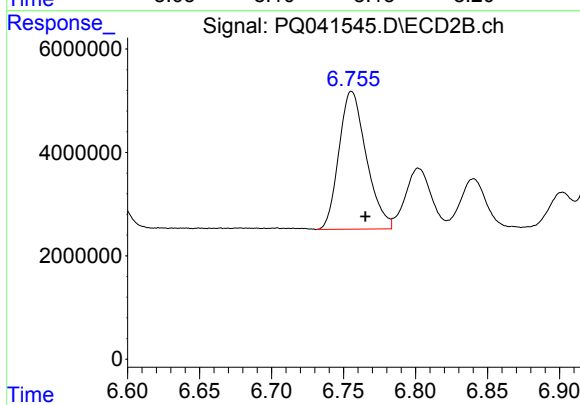
#23 AR-1248-3

R.T.: 6.552 min  
Delta R.T.: -0.010 min  
Response: 33674685  
Conc: 291.74 ng/ml



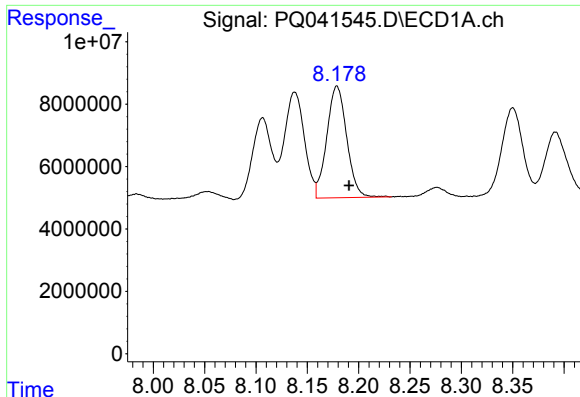
#24 AR-1248-4

R.T.: 8.138 min  
Delta R.T.: -0.011 min  
Response: 46555258  
Conc: 215.52 ng/ml



#24 AR-1248-4

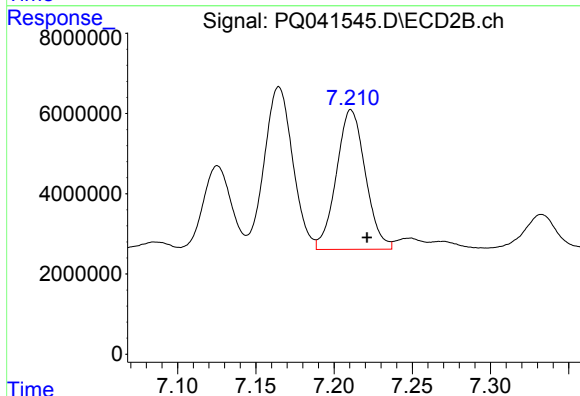
R.T.: 6.756 min  
Delta R.T.: -0.009 min  
Response: 35292542  
Conc: 243.81 ng/ml



#25 AR-1248-5

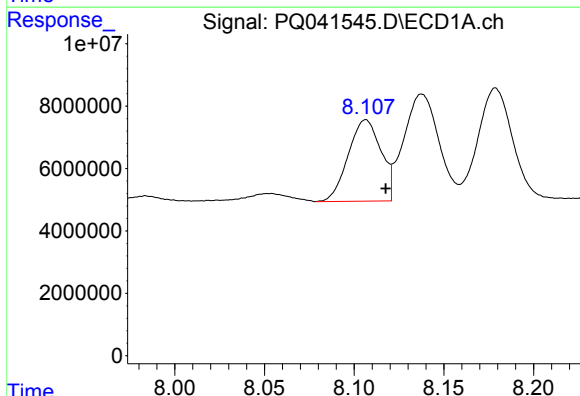
R.T.: 8.179 min  
Delta R.T.: -0.012 min  
Response: 48420339  
Conc: 227.37 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



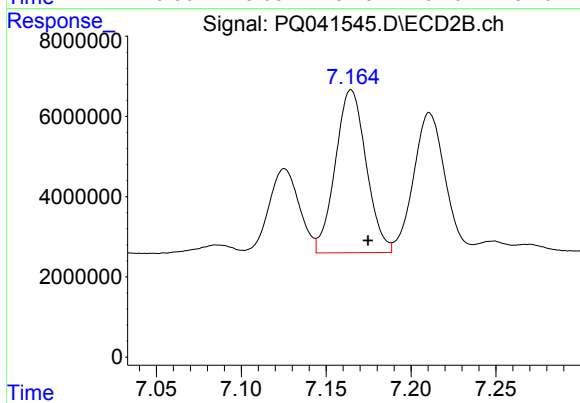
#25 AR-1248-5

R.T.: 7.211 min  
Delta R.T.: -0.010 min  
Response: 44940614  
Conc: 267.06 ng/ml



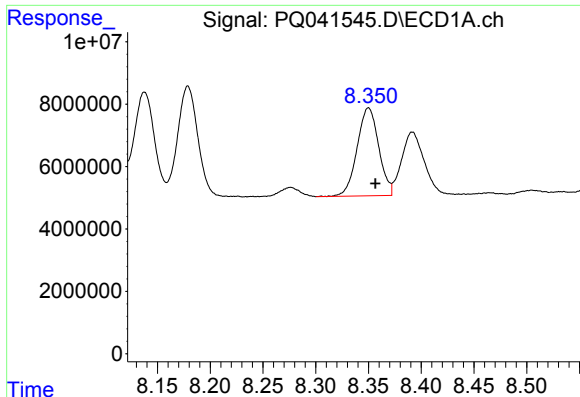
#26 AR-1254-1

R.T.: 8.106 min  
Delta R.T.: -0.011 min  
Response: 33081810  
Conc: 163.20 ng/ml



#26 AR-1254-1

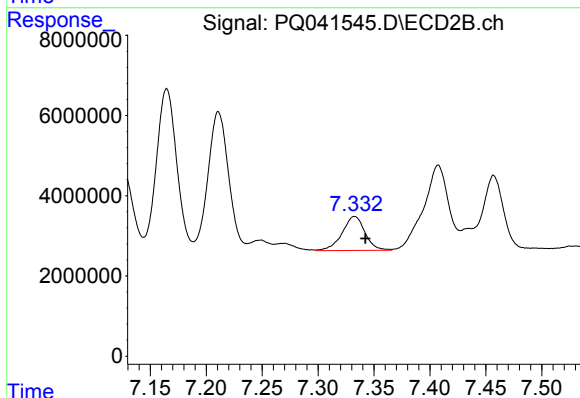
R.T.: 7.165 min  
Delta R.T.: -0.010 min  
Response: 51432905  
Conc: 202.25 ng/ml



#27 AR-1254-2

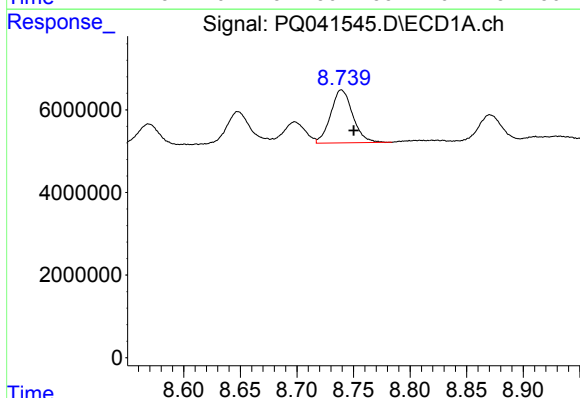
R.T.: 8.350 min  
Delta R.T.: -0.006 min  
Response: 40137842  
Conc: 116.21 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



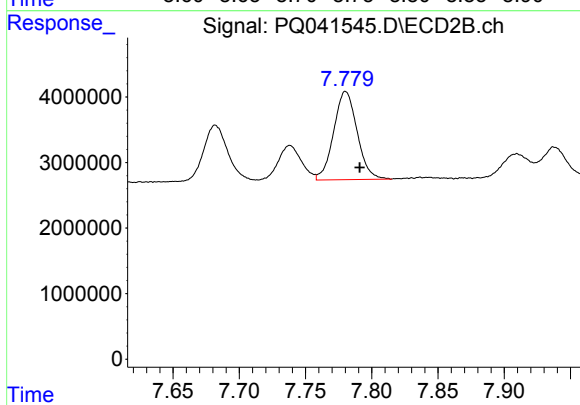
#27 AR-1254-2

R.T.: 7.333 min  
Delta R.T.: -0.010 min  
Response: 12033440  
Conc: 52.60 ng/ml



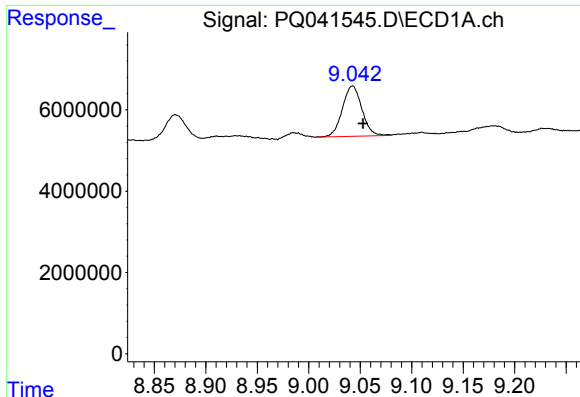
#28 AR-1254-3

R.T.: 8.740 min  
Delta R.T.: -0.011 min  
Response: 17407550  
Conc: 42.01 ng/ml



#28 AR-1254-3

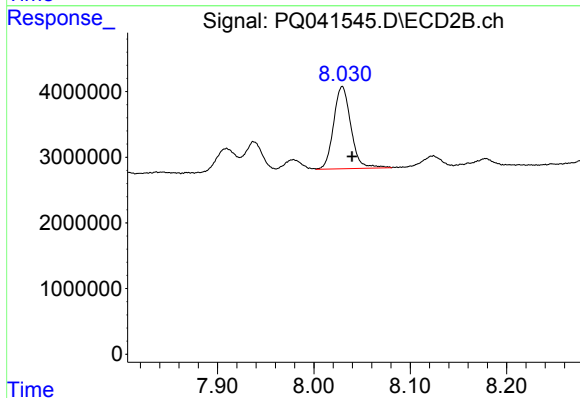
R.T.: 7.780 min  
Delta R.T.: -0.011 min  
Response: 16603856  
Conc: 40.91 ng/ml



#29 AR-1254-4

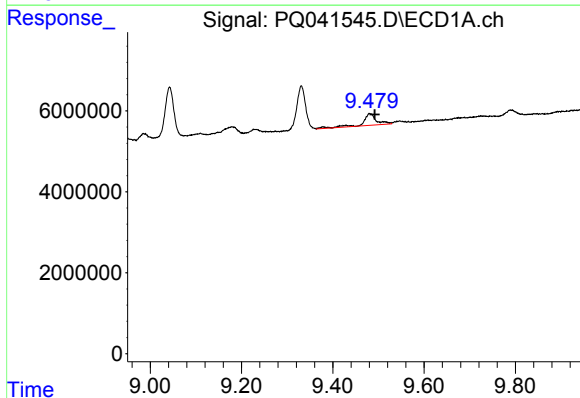
R.T.: 9.042 min  
Delta R.T.: -0.010 min  
Response: 16305408  
Conc: 45.05 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



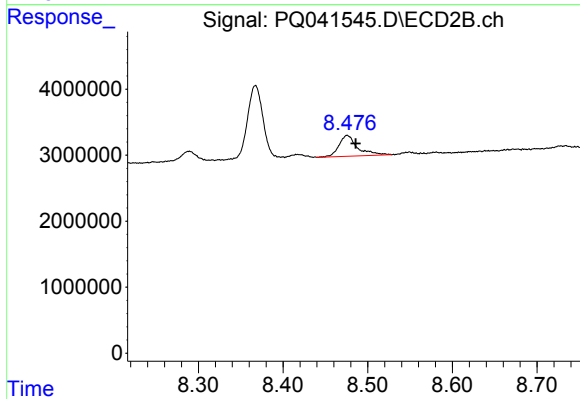
#29 AR-1254-4

R.T.: 8.029 min  
Delta R.T.: -0.010 min  
Response: 15641245  
Conc: 57.25 ng/ml



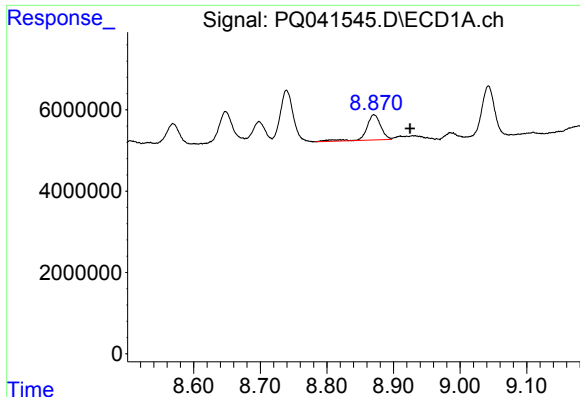
#30 AR-1254-5

R.T.: 9.482 min  
Delta R.T.: -0.010 min  
Response: 6010328  
Conc: 14.97 ng/ml



#30 AR-1254-5

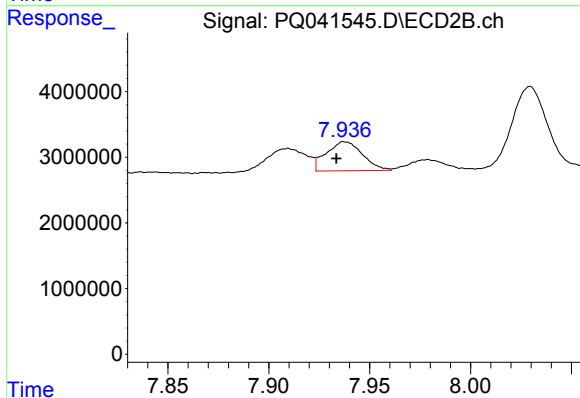
R.T.: 8.476 min  
Delta R.T.: -0.010 min  
Response: 4834427  
Conc: 12.11 ng/ml



#31 AR-1260-1

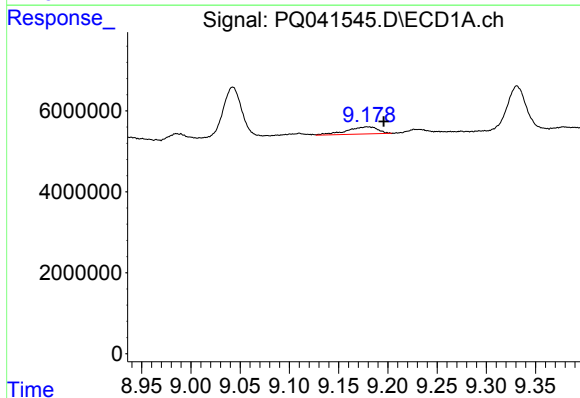
R.T.: 8.871 min  
Delta R.T.: -0.054 min  
Response: 9367117  
Conc: 31.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



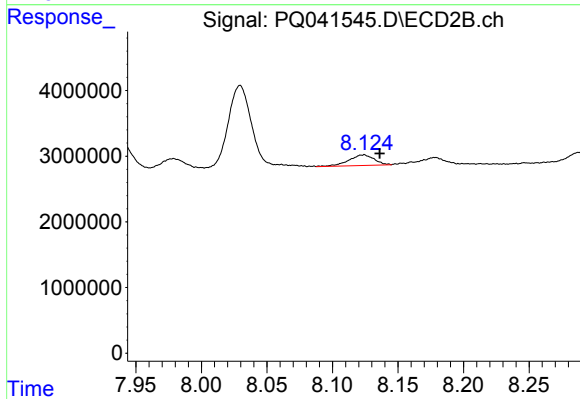
#31 AR-1260-1

R.T.: 7.938 min  
Delta R.T.: 0.004 min  
Response: 5553740  
Conc: 20.88 ng/ml



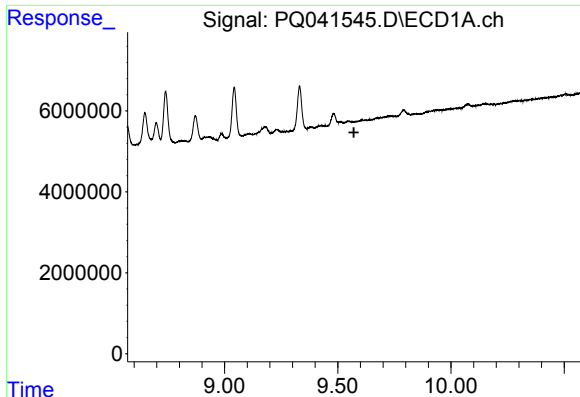
#32 AR-1260-2

R.T.: 9.180 min  
Delta R.T.: -0.016 min  
Response: 3854665  
Conc: 8.41 ng/ml



#32 AR-1260-2

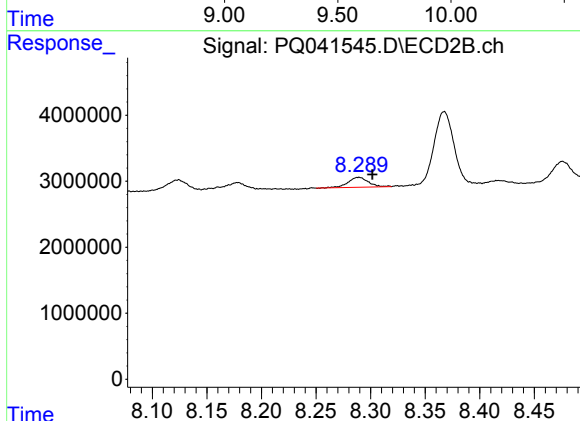
R.T.: 8.124 min  
Delta R.T.: -0.012 min  
Response: 2167554  
Conc: 5.97 ng/ml



#33 AR-1260-3

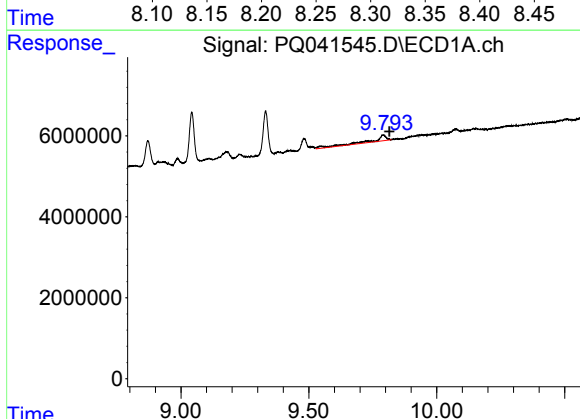
R.T.: 0.000 min  
Exp R.T.: 9.571 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



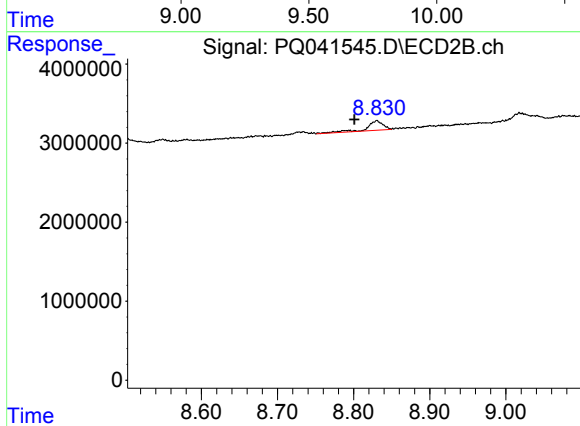
#33 AR-1260-3

R.T.: 8.289 min  
Delta R.T.: -0.012 min  
Response: 1930902  
Conc: 6.15 ng/ml



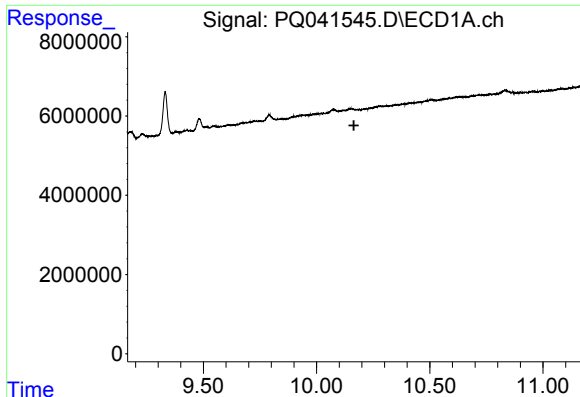
#34 AR-1260-4

R.T.: 9.791 min  
Delta R.T.: -0.025 min  
Response: 5886630  
Conc: 13.98 ng/ml



#34 AR-1260-4

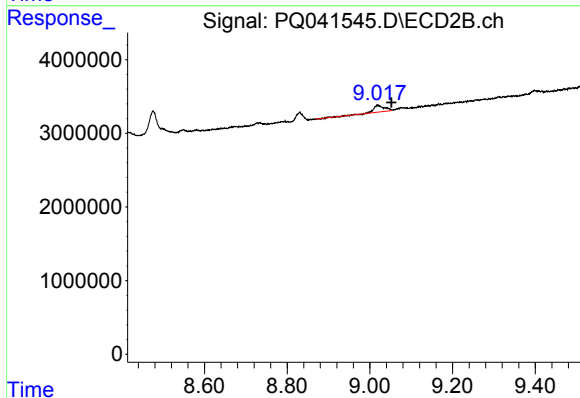
R.T.: 8.831 min  
Delta R.T.: 0.029 min  
Response: 1791976  
Conc: 6.29 ng/ml



#35 AR-1260-5

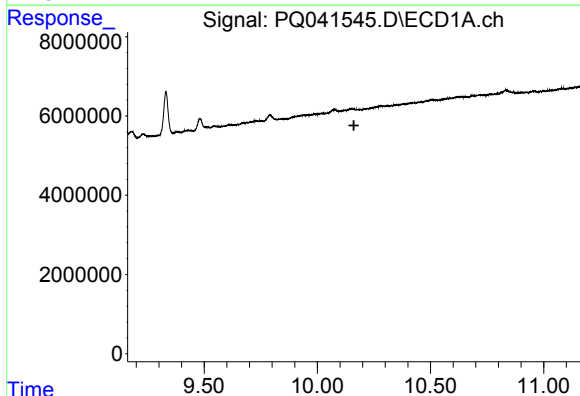
R.T.: 0.000 min  
Exp R.T.: 10.165 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



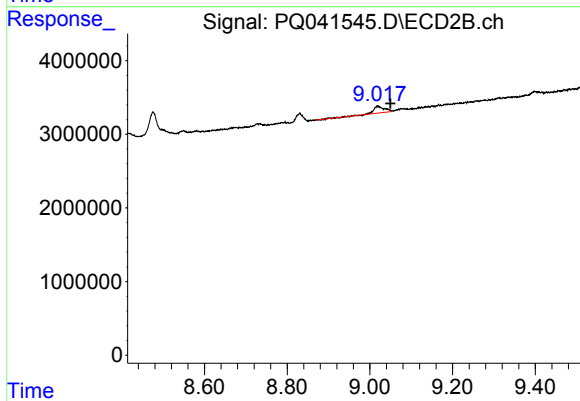
#35 AR-1260-5

R.T.: 9.018 min  
Delta R.T.: -0.034 min  
Response: 1641612  
Conc: 2.21 ng/ml



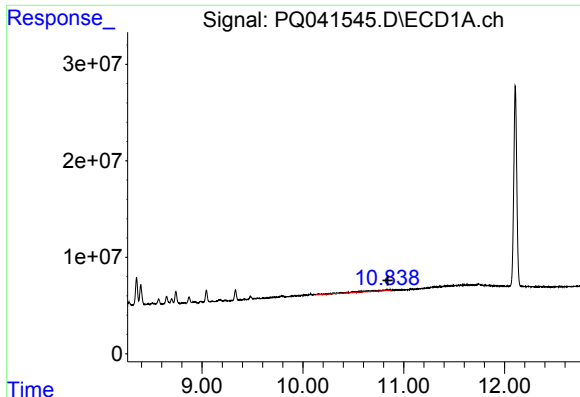
#37 AR-1262-2

R.T.: 0.000 min  
Exp R.T.: 10.161 min  
Response: 0  
Conc: N.D.



#37 AR-1262-2

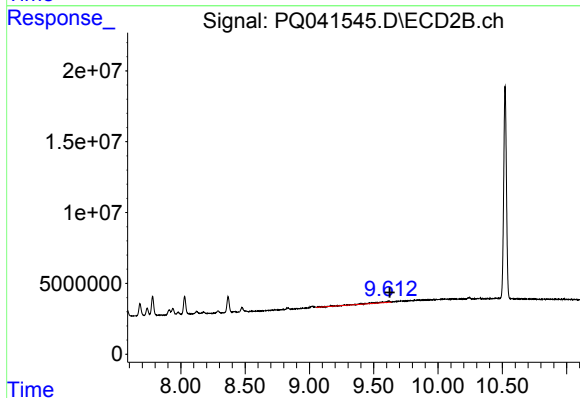
R.T.: 9.018 min  
Delta R.T.: -0.032 min  
Response: 1641612  
Conc: 1.95 ng/ml



#43 AR-1268-3

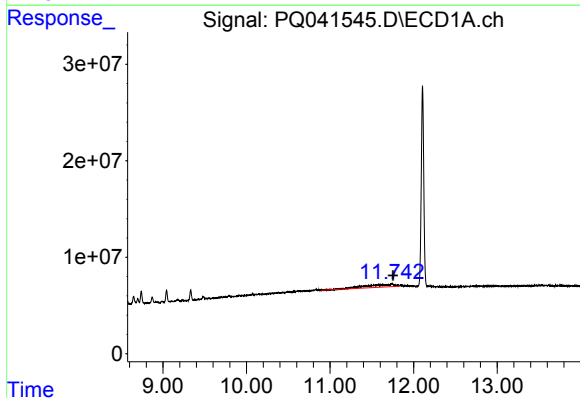
R.T.: 10.834 min  
Delta R.T.: -0.009 min  
Response: 18897974  
Conc: 13.44 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



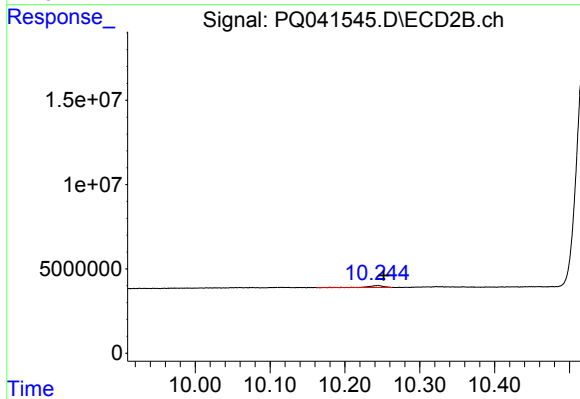
#43 AR-1268-3

R.T.: 9.613 min  
Delta R.T.: -0.011 min  
Response: 7609861  
Conc: 9.53 ng/ml



#45 AR-1268-5

R.T.: 11.742 min  
Delta R.T.: -0.014 min  
Response: 69607811  
Conc: 16.07 ng/ml



#45 AR-1268-5

R.T.: 10.244 min  
Delta R.T.: -0.008 min  
Response: 1686353  
Conc: 0.85 ng/ml