

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ100621\  
 Data File : PQ054867.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Oct 2021 23:13  
 Operator : AJ\MA  
 Sample : M4077-04  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 00:51:47 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ091421.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Sep 15 05:25:53 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

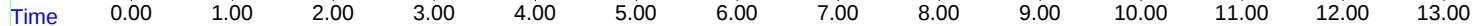
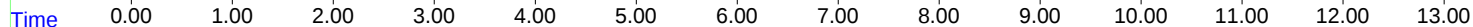
|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-----------------|--------|--------|----------|----------|---------|-----------|
| -----                       |                 |        |        |          |          |         |           |
| System Monitoring Compounds |                 |        |        |          |          |         |           |
| 1)                          | SA Tetrachlo... | 5.194  | 4.200  | 429.7E6  | 241.7E6  | 17.995  | 18.279    |
| 2)                          | SA Decachlor... | 11.354 | 9.524  | 293.3E6  | 223.9E6  | 17.377  | 16.524    |
| Target Compounds            |                 |        |        |          |          |         |           |
| 3)                          | L1 AR-1016-1    | 6.519  | 5.479  | 11249788 | 8719696  | 13.638  | 19.213 #  |
| 4)                          | L1 AR-1016-2    | 6.542  | 5.479  | 10595039 | 8719696  | 8.686   | 12.287 #  |
| 5)                          | L1 AR-1016-3    | 6.608  | 5.691  | 10608771 | 16707493 | 14.013  | 48.785 #  |
| 6)                          | L1 AR-1016-4    | 6.717  | 5.712f | 4749822  | 24309737 | 7.682   | 87.524 #  |
| 7)                          | L1 AR-1016-5    | 7.030  | 5.984f | 22793289 | 7266119  | 40.119  | 21.050 #  |
| 9)                          | L2 AR-1221-2    | 5.551  | 0.000  | 4340455  | 0        | 22.707  | N.D. #    |
| 10)                         | L2 AR-1221-3    | 5.640  | 4.644  | 5600850  | 3593048  | 9.345   | 11.248    |
| 11)                         | L3 AR-1232-1    | 5.640  | 4.644  | 5600850  | 3593048  | 12.104  | 15.020    |
| 12)                         | L3 AR-1232-2    | 6.227  | 5.479  | 17151139 | 8719696  | 60.593  | 28.087 #  |
| 13)                         | L3 AR-1232-3    | 6.542  | 5.691  | 10595039 | 16707493 | 20.150  | 115.941 # |
| 14)                         | L3 AR-1232-4    | 6.717  | 5.765  | 4749822  | 6387735  | 17.779  | 50.568 #  |
| 15)                         | L3 AR-1232-5    | 6.809  | 5.984f | 11212535 | 7266119  | 55.454  | 50.100    |
| 16)                         | L4 AR-1242-1    | 6.519  | 5.479  | 11249788 | 8719696  | 19.098  | 27.030 #  |
| 17)                         | L4 AR-1242-2    | 6.542  | 5.479  | 10595039 | 8719696  | 11.809  | 17.110 #  |
| 18)                         | L4 AR-1242-3    | 6.608  | 5.691  | 10608771 | 16707493 | 18.878  | 65.066 #  |
| 19)                         | L4 AR-1242-4    | 6.717  | 5.765  | 4749822  | 6387735  | 10.383  | 25.239 #  |
| 20)                         | L4 AR-1242-5    | 7.499  | 6.332  | 33230503 | 35868465 | 70.971  | 100.959 # |
| 21)                         | L5 AR-1248-1    | 6.519  | 5.479  | 11249788 | 8719696  | 22.477  | 33.327 #  |
| 22)                         | L5 AR-1248-2    | 6.809  | 5.712f | 11212535 | 24309737 | 17.258  | 68.252 #  |
| 23)                         | L5 AR-1248-3    | 7.030  | 5.765  | 22793289 | 6387735  | 31.873  | 17.963 #  |
| 24)                         | L5 AR-1248-4    | 7.473  | 5.984f | 51430680 | 7266119  | 65.012  | 16.915 #  |
| 25)                         | L5 AR-1248-5    | 7.499  | 6.376  | 33230503 | 14300085 | 41.411  | 33.378    |
| 26)                         | L6 AR-1254-1    | 7.438  | 6.332  | 87259708 | 35868465 | 100.174 | 47.083 #  |
| 27)                         | L6 AR-1254-2    | 7.658  | 6.492  | 68402297 | 23230446 | 51.138  | 33.197 #  |
| 28)                         | L6 AR-1254-3    | 8.043  | 6.911  | 192.0E6  | 68176304 | 137.875 | 61.842 #  |
| 29)                         | L6 AR-1254-4    | 8.335  | 7.151  | 54011663 | 38057326 | 50.700  | 50.333    |
| 30)                         | L6 AR-1254-5    | 8.761  | 7.576  | 28437910 | 20142699 | 24.744  | 18.200 #  |
| 31)                         | L7 AR-1260-1    | 8.216  | 7.044  | 107.2E6  | 30264706 | 108.070 | 40.301 #  |
| 32)                         | L7 AR-1260-2    | 8.461  | 7.247  | 133.7E6  | 52717851 | 113.626 | 50.940 #  |
| 33)                         | L7 AR-1260-3    | 0.000  | 7.399  | 0        | 80277972 | N.D.    | 90.797 #  |
| 34)                         | L7 AR-1260-4    | 9.069  | 0.000  | 8416377  | 0        | 9.010   | N.D. #    |
| 35)                         | L7 AR-1260-5    | 9.417  | 8.124  | 4037448  | 4775379  | 2.190   | 2.498     |
| 36)                         | L8 AR-1262-1    | 0.000  | 7.576  | 0        | 20142699 | N.D.    | 38.985 #  |
| 37)                         | L8 AR-1262-2    | 9.417  | 8.124  | 4037448  | 4775379  | 1.862   | 2.156     |
| 38)                         | L8 AR-1262-3    | 0.000  | 8.445f | 0        | 58592874 | N.D.    | 66.036 #  |
| 41)                         | L9 AR-1268-1    | 0.000  | 8.445f | 0        | 58592874 | N.D.    | 21.588 #  |
| -----                       |                 |        |        |          |          |         |           |

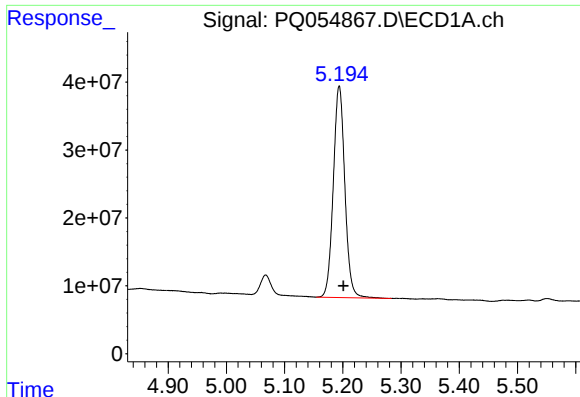
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Instrument :  
ECD\_Q  
ClientSampleId :

Instrument :  
ECD\_Q  
ClientSampleId :

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

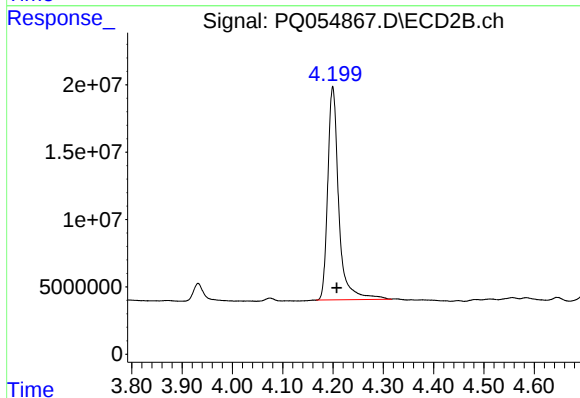




#1 Tetrachloro-m-xylene

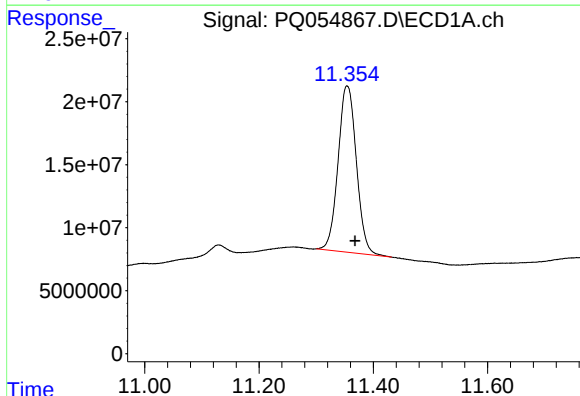
R.T.: 5.194 min  
Delta R.T.: -0.007 min  
Response: 429745197  
Conc: 17.99 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



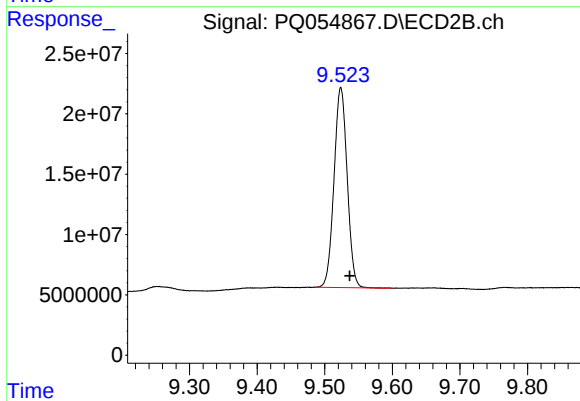
#1 Tetrachloro-m-xylene

R.T.: 4.200 min  
Delta R.T.: -0.007 min  
Response: 241650152  
Conc: 18.28 ng/ml



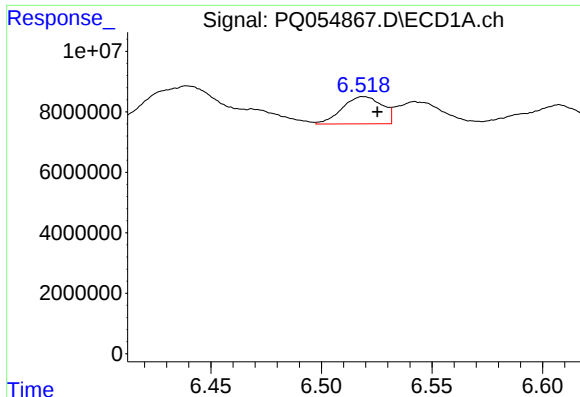
#2 Decachlorobiphenyl

R.T.: 11.354 min  
Delta R.T.: -0.014 min  
Response: 293290567  
Conc: 17.38 ng/ml



#2 Decachlorobiphenyl

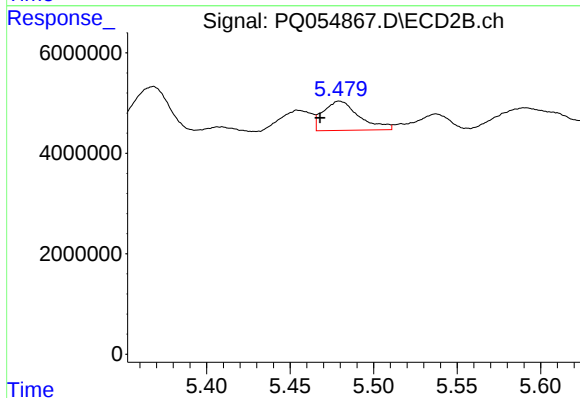
R.T.: 9.524 min  
Delta R.T.: -0.013 min  
Response: 223935593  
Conc: 16.52 ng/ml



#3 AR-1016-1

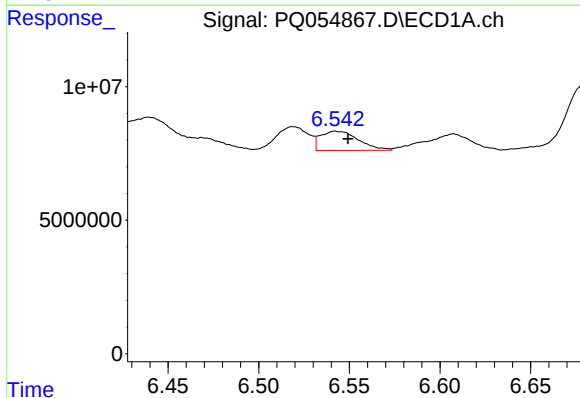
R.T.: 6.519 min  
Delta R.T.: -0.006 min  
Response: 11249788  
Conc: 13.64 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



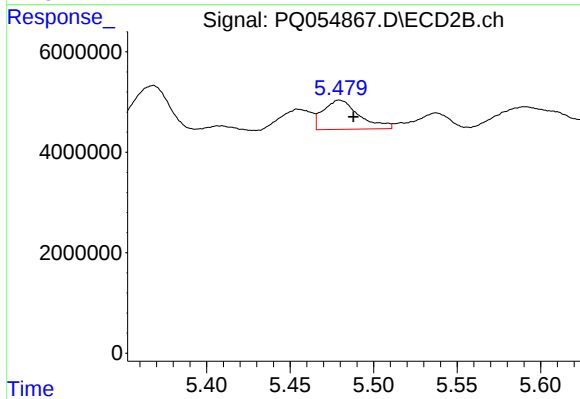
#3 AR-1016-1

R.T.: 5.479 min  
Delta R.T.: 0.011 min  
Response: 8719696  
Conc: 19.21 ng/ml



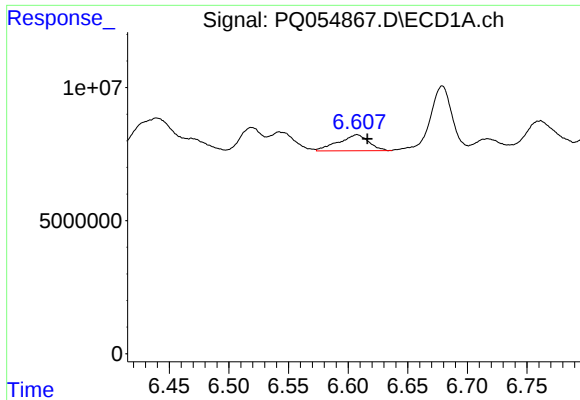
#4 AR-1016-2

R.T.: 6.542 min  
Delta R.T.: -0.007 min  
Response: 10595039  
Conc: 8.69 ng/ml



#4 AR-1016-2

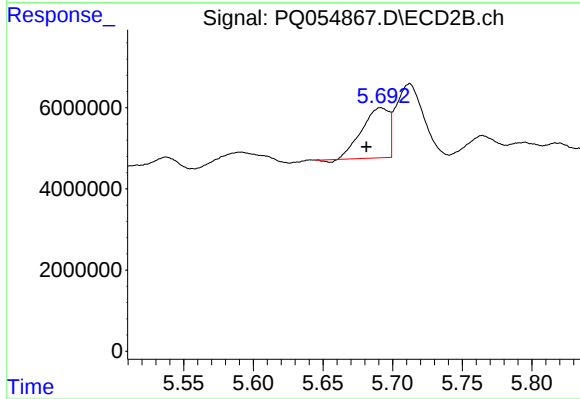
R.T.: 5.479 min  
Delta R.T.: -0.008 min  
Response: 8719696  
Conc: 12.29 ng/ml



#5 AR-1016-3

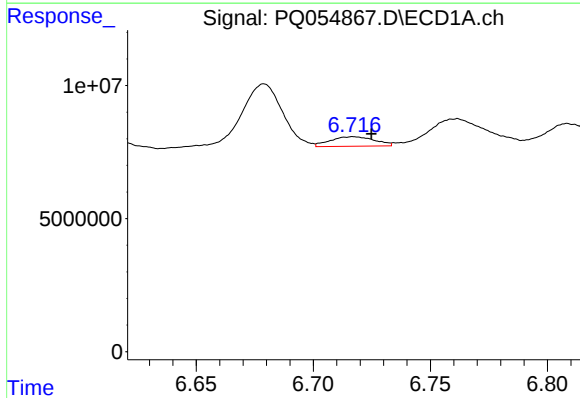
R.T.: 6.608 min  
Delta R.T.: -0.009 min  
Response: 10608771  
Conc: 14.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



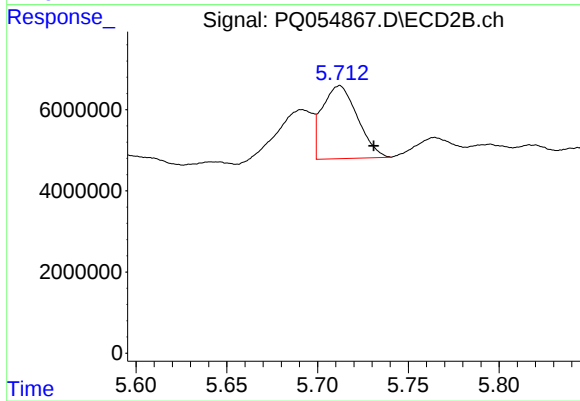
#5 AR-1016-3

R.T.: 5.691 min  
Delta R.T.: 0.010 min  
Response: 16707493  
Conc: 48.78 ng/ml



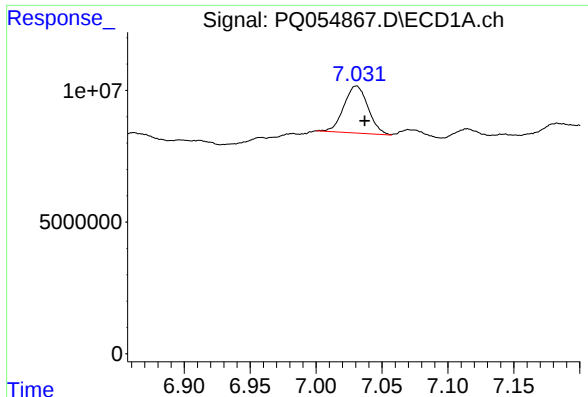
#6 AR-1016-4

R.T.: 6.717 min  
Delta R.T.: -0.008 min  
Response: 4749822  
Conc: 7.68 ng/ml



#6 AR-1016-4

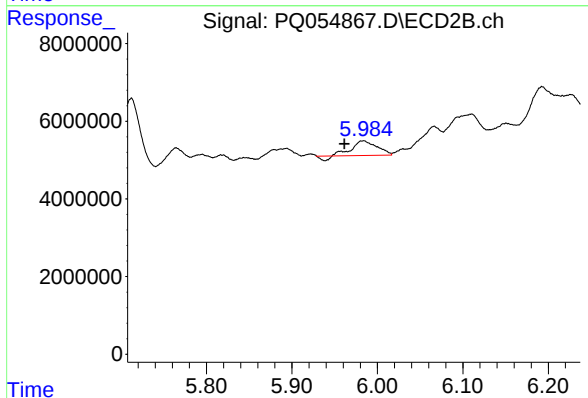
R.T.: 5.712 min  
Delta R.T.: -0.019 min  
Response: 24309737  
Conc: 87.52 ng/ml



#7 AR-1016-5

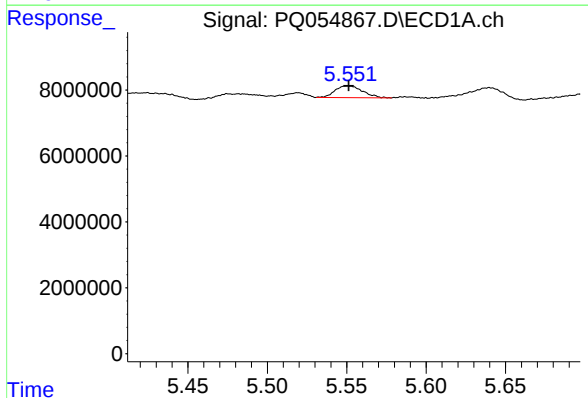
R.T.: 7.030 min  
Delta R.T.: -0.006 min  
Response: 22793289  
Conc: 40.12 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



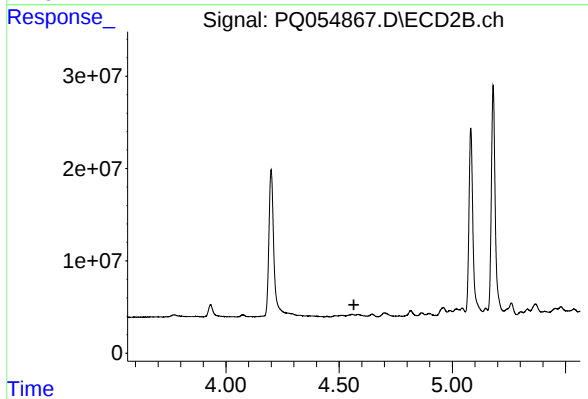
#7 AR-1016-5

R.T.: 5.984 min  
Delta R.T.: 0.022 min  
Response: 7266119  
Conc: 21.05 ng/ml



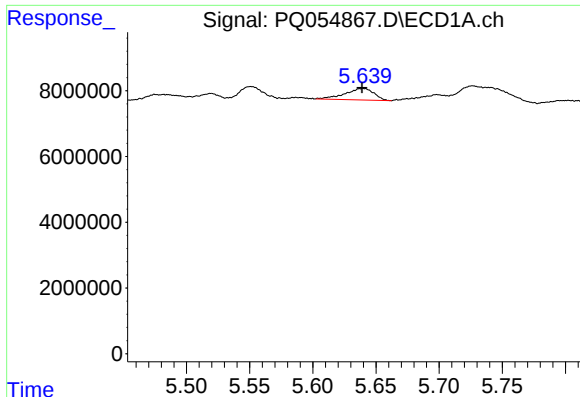
#9 AR-1221-2

R.T.: 5.551 min  
Delta R.T.: 0.000 min  
Response: 4340455  
Conc: 22.71 ng/ml



#9 AR-1221-2

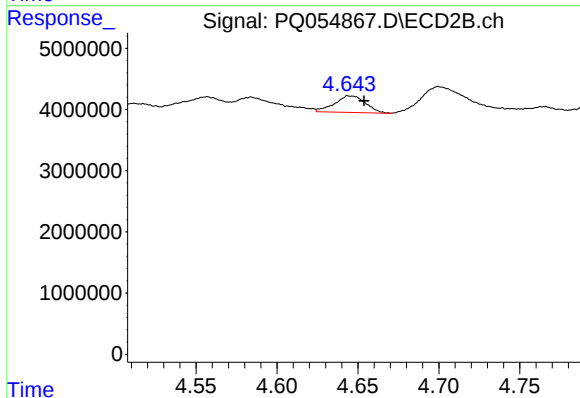
R.T.: 0.000 min  
Exp R.T.: 4.565 min  
Response: 0  
Conc: N.D.



#10 AR-1221-3

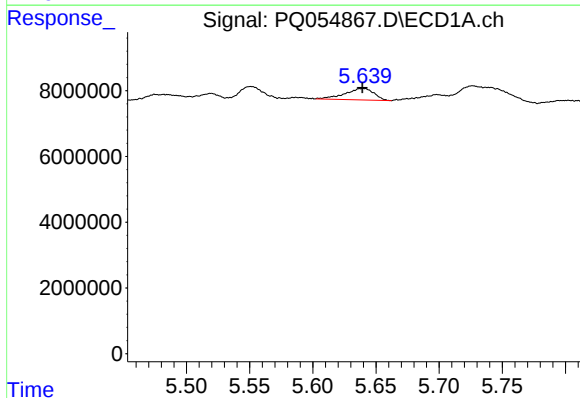
R.T.: 5.640 min  
Delta R.T.: 0.000 min  
Response: 5600850  
Conc: 9.34 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



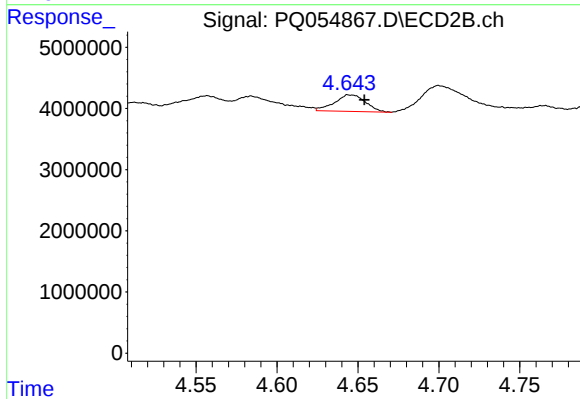
#10 AR-1221-3

R.T.: 4.644 min  
Delta R.T.: -0.010 min  
Response: 3593048  
Conc: 11.25 ng/ml



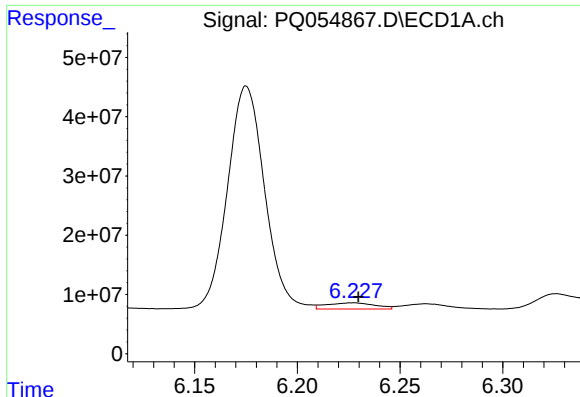
#11 AR-1232-1

R.T.: 5.640 min  
Delta R.T.: 0.000 min  
Response: 5600850  
Conc: 12.10 ng/ml



#11 AR-1232-1

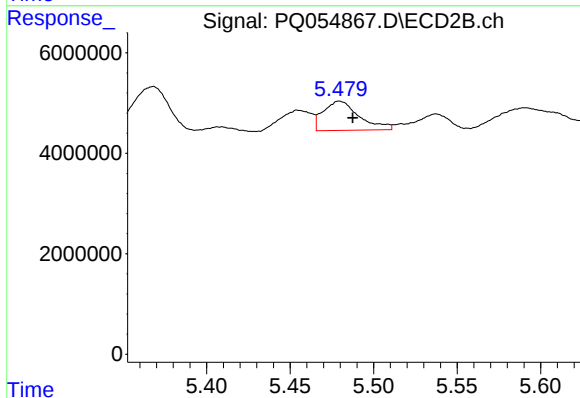
R.T.: 4.644 min  
Delta R.T.: -0.010 min  
Response: 3593048  
Conc: 15.02 ng/ml



#12 AR-1232-2

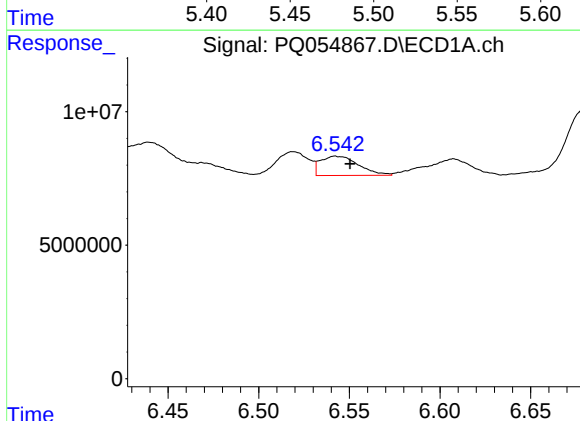
R.T.: 6.227 min  
Delta R.T.: -0.003 min  
Response: 17151139  
Conc: 60.59 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



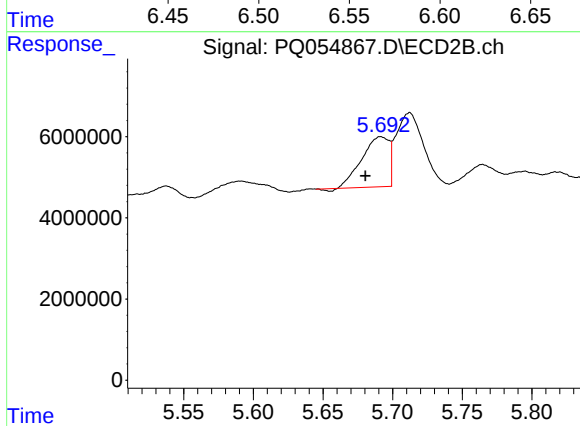
#12 AR-1232-2

R.T.: 5.479 min  
Delta R.T.: -0.008 min  
Response: 8719696  
Conc: 28.09 ng/ml



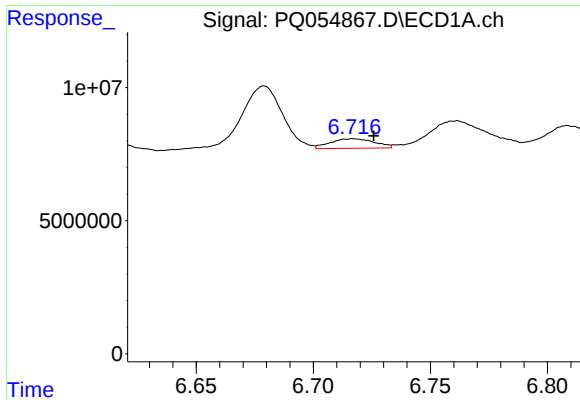
#13 AR-1232-3

R.T.: 6.542 min  
Delta R.T.: -0.008 min  
Response: 10595039  
Conc: 20.15 ng/ml



#13 AR-1232-3

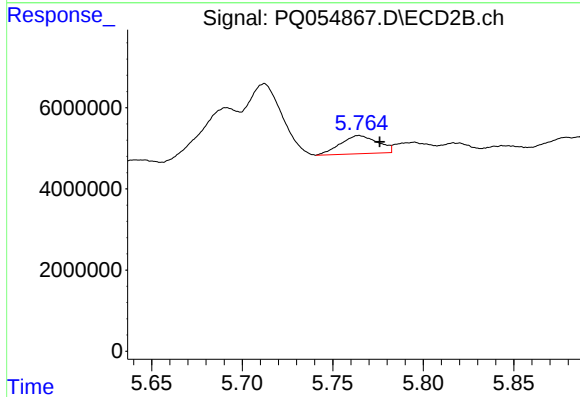
R.T.: 5.691 min  
Delta R.T.: 0.011 min  
Response: 16707493  
Conc: 115.94 ng/ml



#14 AR-1232-4

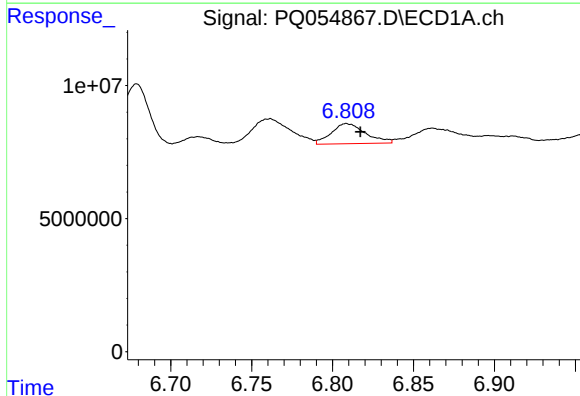
R.T.: 6.717 min  
Delta R.T.: -0.009 min  
Response: 4749822  
Conc: 17.78 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



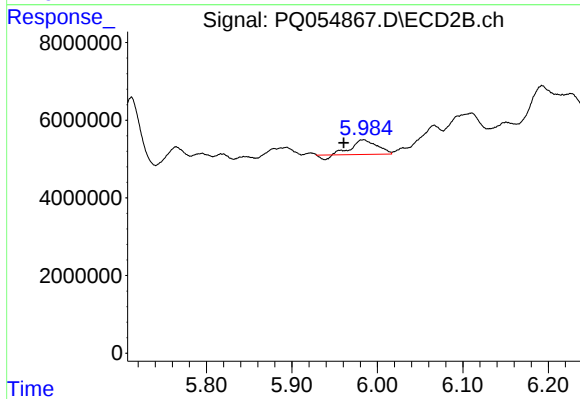
#14 AR-1232-4

R.T.: 5.765 min  
Delta R.T.: -0.011 min  
Response: 6387735  
Conc: 50.57 ng/ml



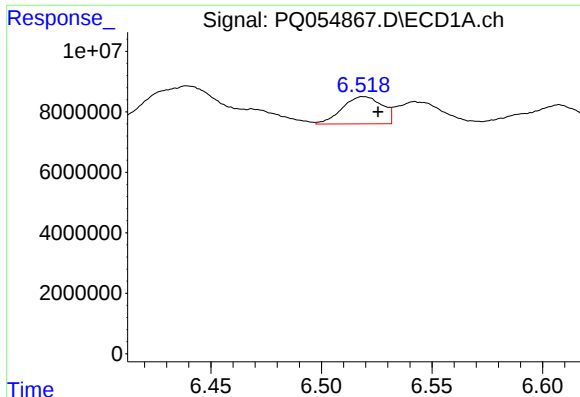
#15 AR-1232-5

R.T.: 6.809 min  
Delta R.T.: -0.009 min  
Response: 11212535  
Conc: 55.45 ng/ml



#15 AR-1232-5

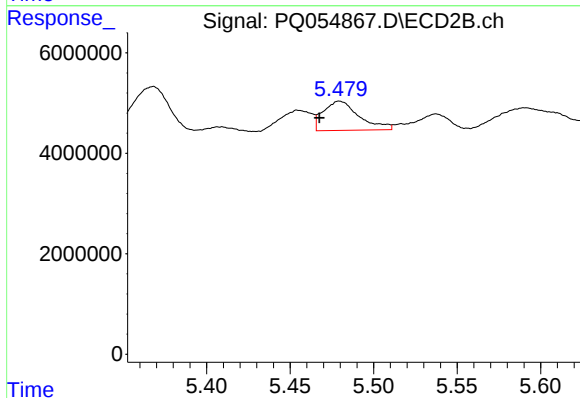
R.T.: 5.984 min  
Delta R.T.: 0.023 min  
Response: 7266119  
Conc: 50.10 ng/ml



#16 AR-1242-1

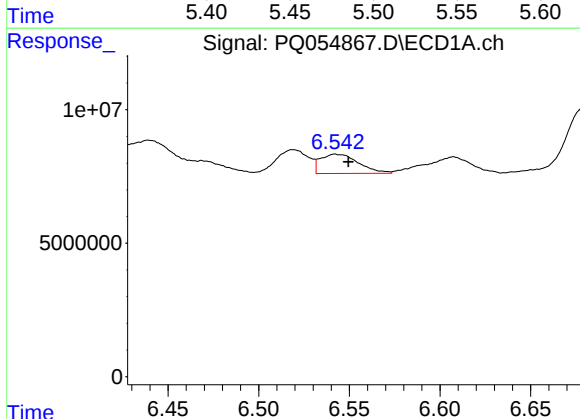
R.T.: 6.519 min  
Delta R.T.: -0.007 min  
Response: 11249788  
Conc: 19.10 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



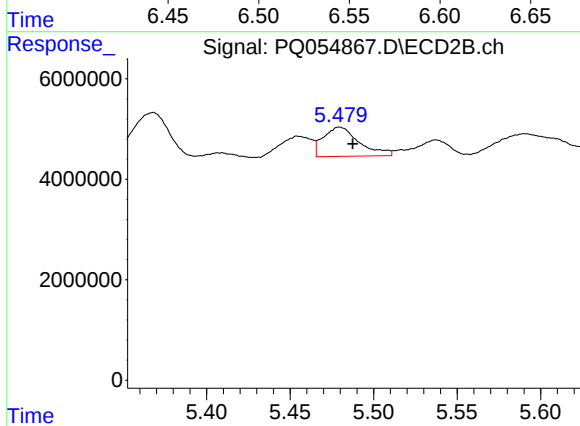
#16 AR-1242-1

R.T.: 5.479 min  
Delta R.T.: 0.012 min  
Response: 8719696  
Conc: 27.03 ng/ml



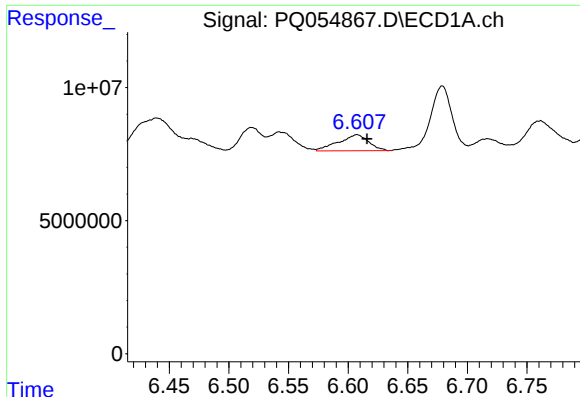
#17 AR-1242-2

R.T.: 6.542 min  
Delta R.T.: -0.007 min  
Response: 10595039  
Conc: 11.81 ng/ml



#17 AR-1242-2

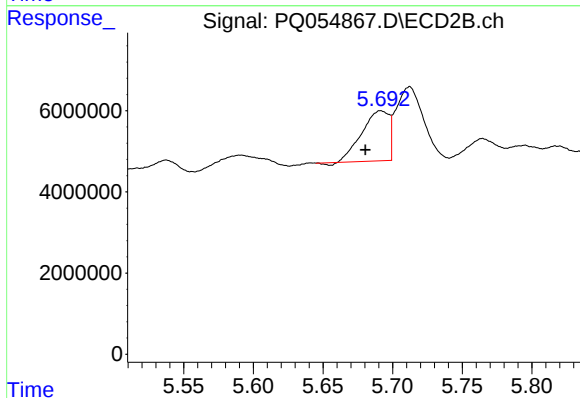
R.T.: 5.479 min  
Delta R.T.: -0.008 min  
Response: 8719696  
Conc: 17.11 ng/ml



#18 AR-1242-3

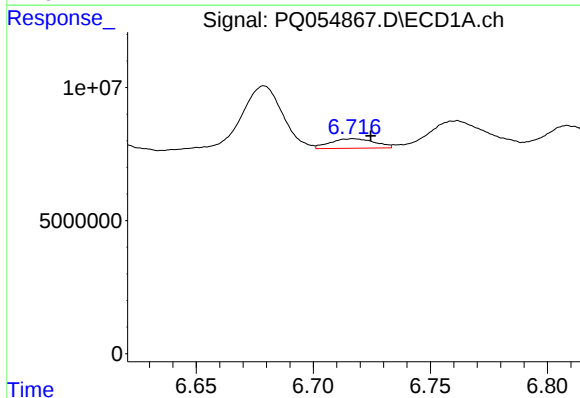
R.T.: 6.608 min  
Delta R.T.: -0.008 min  
Response: 10608771  
Conc: 18.88 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



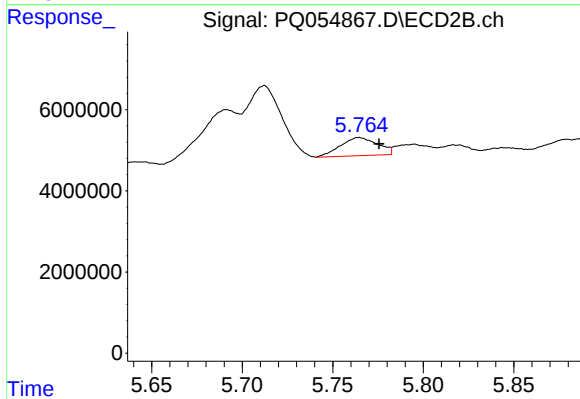
#18 AR-1242-3

R.T.: 5.691 min  
Delta R.T.: 0.011 min  
Response: 16707493  
Conc: 65.07 ng/ml



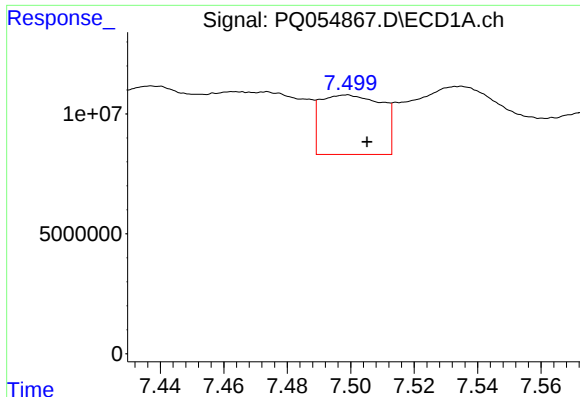
#19 AR-1242-4

R.T.: 6.717 min  
Delta R.T.: -0.007 min  
Response: 4749822  
Conc: 10.38 ng/ml



#19 AR-1242-4

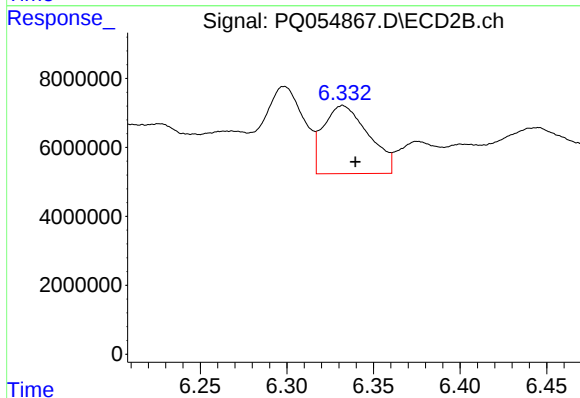
R.T.: 5.765 min  
Delta R.T.: -0.011 min  
Response: 6387735  
Conc: 25.24 ng/ml



#20 AR-1242-5

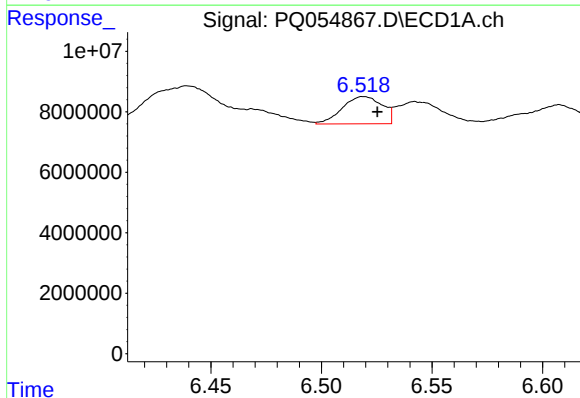
R.T.: 7.499 min  
Delta R.T.: -0.007 min  
Response: 33230503  
Conc: 70.97 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



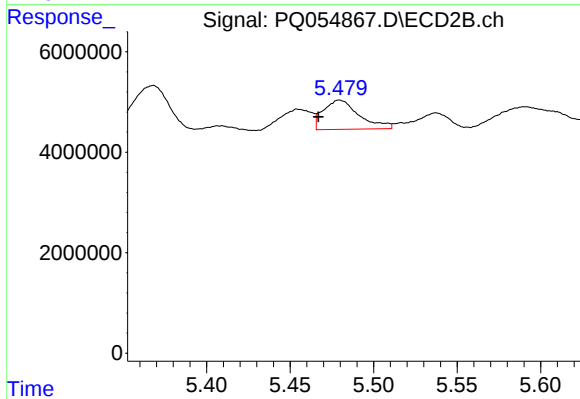
#20 AR-1242-5

R.T.: 6.332 min  
Delta R.T.: -0.007 min  
Response: 35868465  
Conc: 100.96 ng/ml



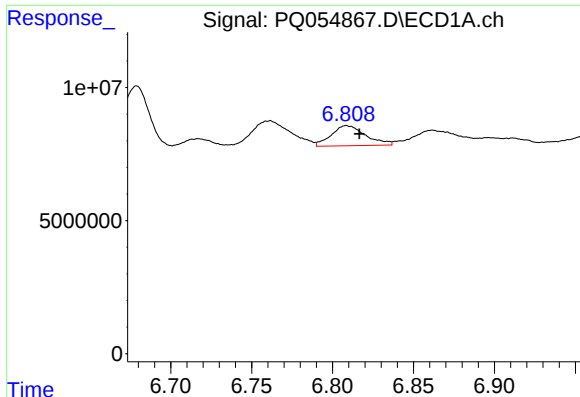
#21 AR-1248-1

R.T.: 6.519 min  
Delta R.T.: -0.006 min  
Response: 11249788  
Conc: 22.48 ng/ml



#21 AR-1248-1

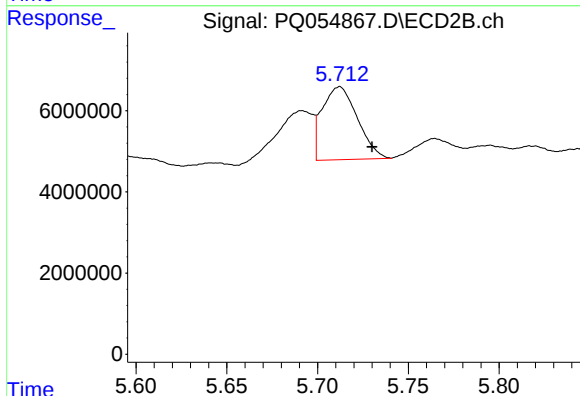
R.T.: 5.479 min  
Delta R.T.: 0.012 min  
Response: 8719696  
Conc: 33.33 ng/ml



#22 AR-1248-2

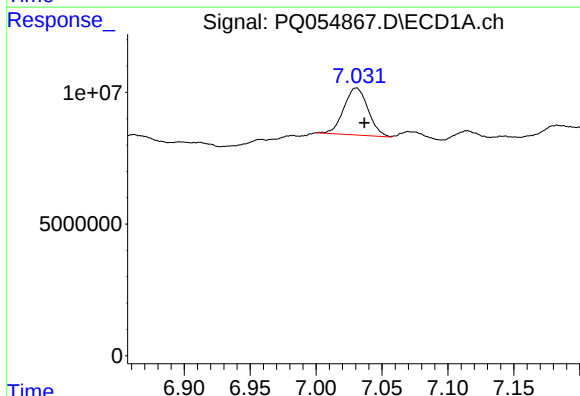
R.T.: 6.809 min  
Delta R.T.: -0.008 min  
Response: 11212535  
Conc: 17.26 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



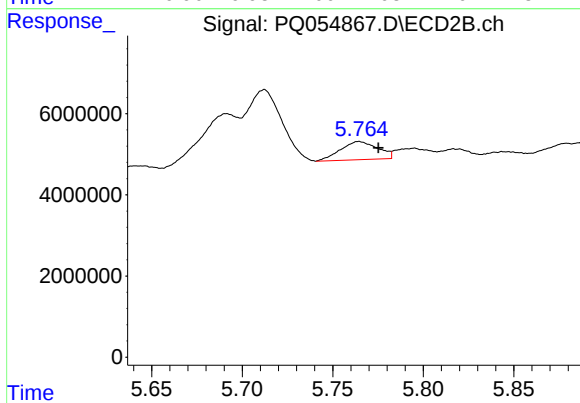
#22 AR-1248-2

R.T.: 5.712 min  
Delta R.T.: -0.018 min  
Response: 24309737  
Conc: 68.25 ng/ml



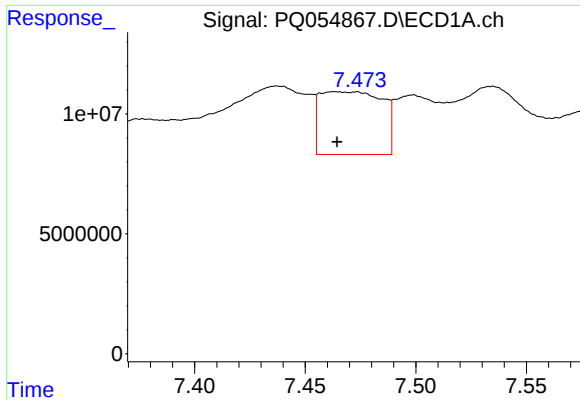
#23 AR-1248-3

R.T.: 7.030 min  
Delta R.T.: -0.006 min  
Response: 22793289  
Conc: 31.87 ng/ml



#23 AR-1248-3

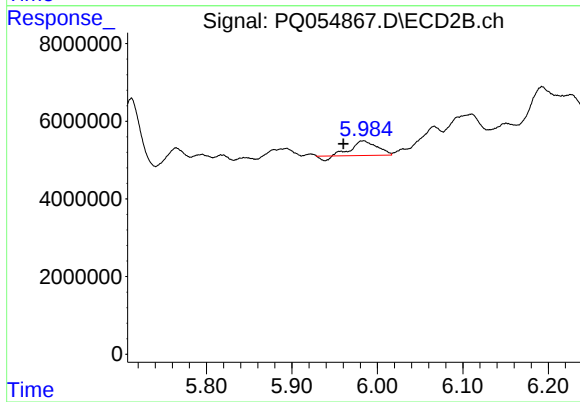
R.T.: 5.765 min  
Delta R.T.: -0.011 min  
Response: 6387735  
Conc: 17.96 ng/ml



#24 AR-1248-4

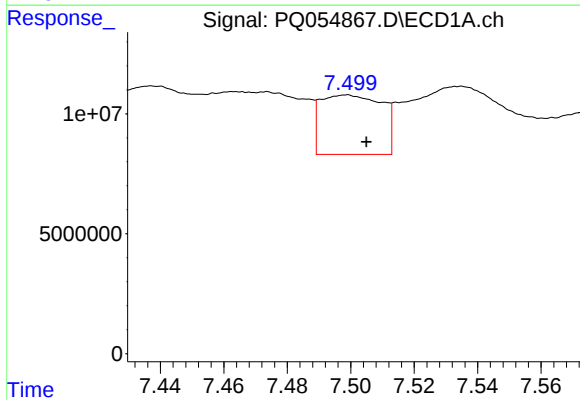
R.T.: 7.473 min  
Delta R.T.: 0.009 min  
Response: 51430680  
Conc: 65.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



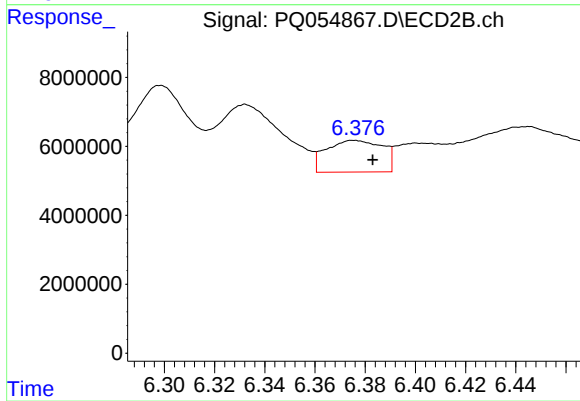
#24 AR-1248-4

R.T.: 5.984 min  
Delta R.T.: 0.024 min  
Response: 7266119  
Conc: 16.92 ng/ml



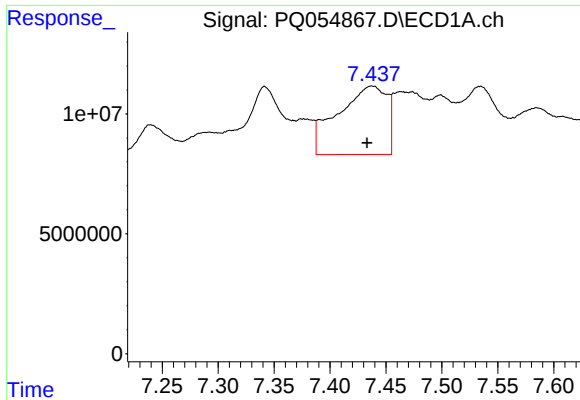
#25 AR-1248-5

R.T.: 7.499 min  
Delta R.T.: -0.006 min  
Response: 33230503  
Conc: 41.41 ng/ml



#25 AR-1248-5

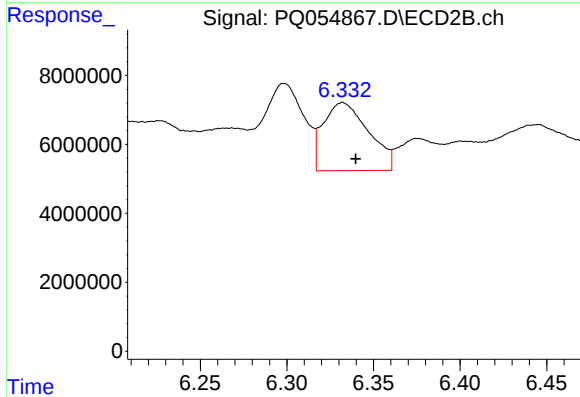
R.T.: 6.376 min  
Delta R.T.: -0.007 min  
Response: 14300085  
Conc: 33.38 ng/ml



#26 AR-1254-1

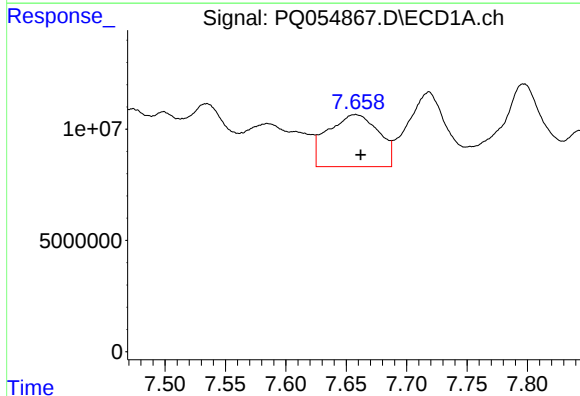
R.T.: 7.438 min  
Delta R.T.: 0.004 min  
Response: 87259708  
Conc: 100.17 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



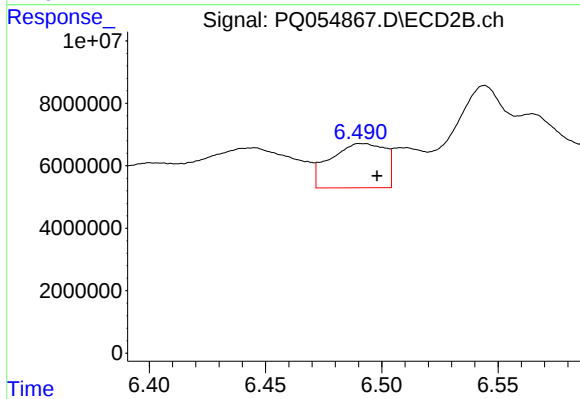
#26 AR-1254-1

R.T.: 6.332 min  
Delta R.T.: -0.007 min  
Response: 35868465  
Conc: 47.08 ng/ml



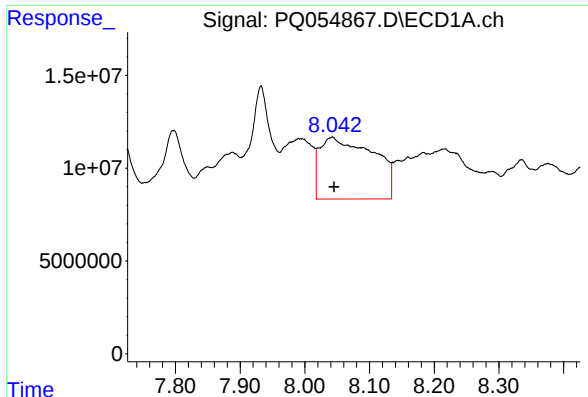
#27 AR-1254-2

R.T.: 7.658 min  
Delta R.T.: -0.004 min  
Response: 68402297  
Conc: 51.14 ng/ml



#27 AR-1254-2

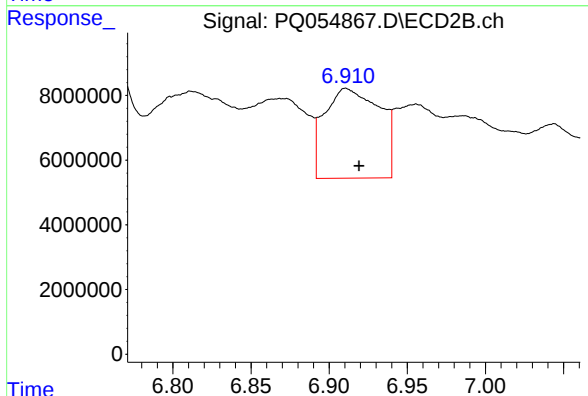
R.T.: 6.492 min  
Delta R.T.: -0.006 min  
Response: 23230446  
Conc: 33.20 ng/ml



#28 AR-1254-3

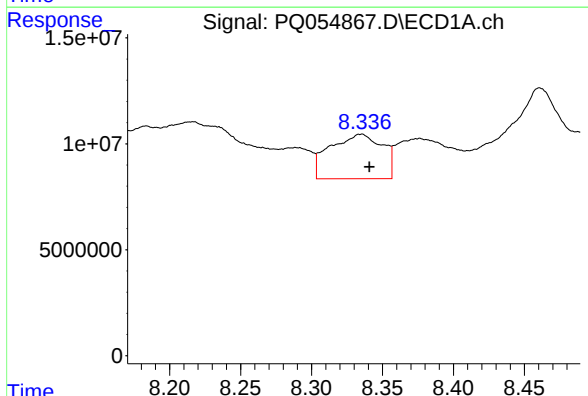
R.T.: 8.043 min  
Delta R.T.: -0.003 min  
Response: 192024990  
Conc: 137.88 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



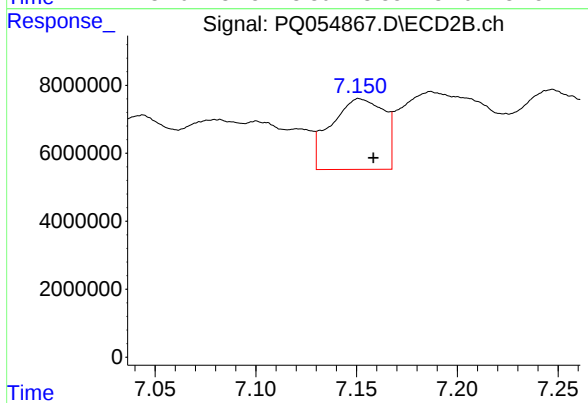
#28 AR-1254-3

R.T.: 6.911 min  
Delta R.T.: -0.009 min  
Response: 68176304  
Conc: 61.84 ng/ml



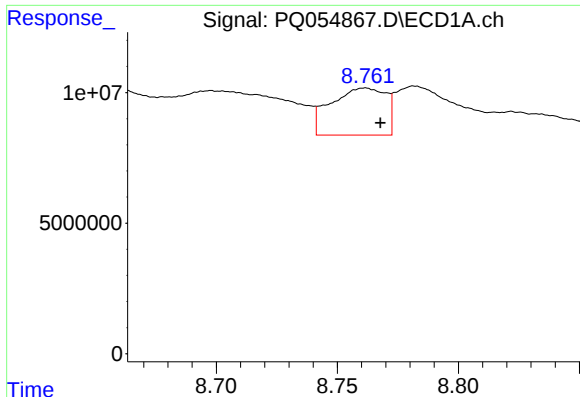
#29 AR-1254-4

R.T.: 8.335 min  
Delta R.T.: -0.006 min  
Response: 54011663  
Conc: 50.70 ng/ml



#29 AR-1254-4

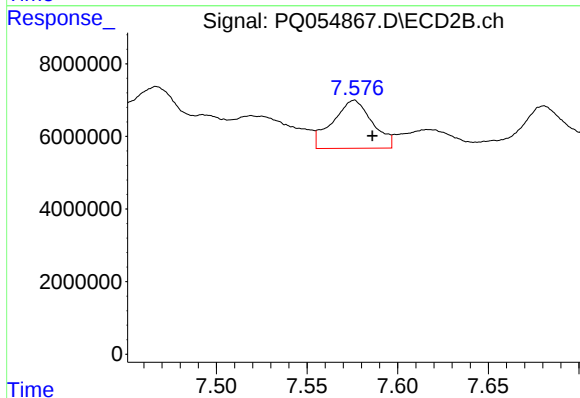
R.T.: 7.151 min  
Delta R.T.: -0.007 min  
Response: 38057326  
Conc: 50.33 ng/ml



#30 AR-1254-5

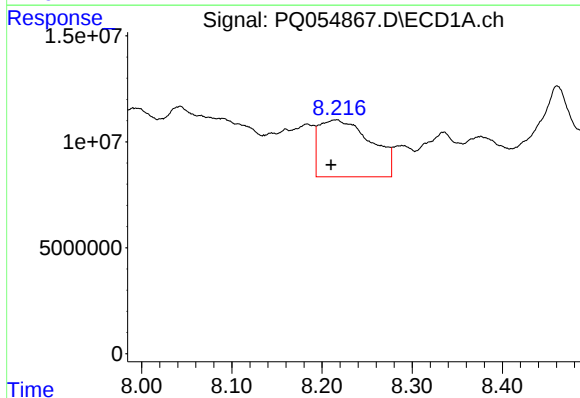
R.T.: 8.761 min  
Delta R.T.: -0.006 min  
Response: 28437910  
Conc: 24.74 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



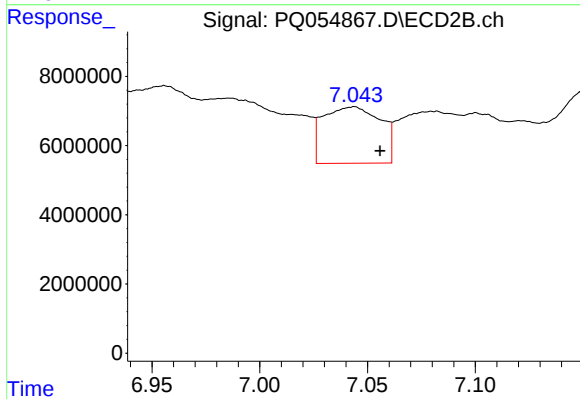
#30 AR-1254-5

R.T.: 7.576 min  
Delta R.T.: -0.010 min  
Response: 20142699  
Conc: 18.20 ng/ml



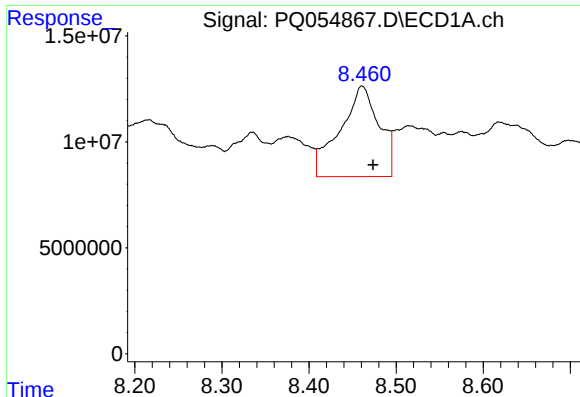
#31 AR-1260-1

R.T.: 8.216 min  
Delta R.T.: 0.006 min  
Response: 107247530  
Conc: 108.07 ng/ml



#31 AR-1260-1

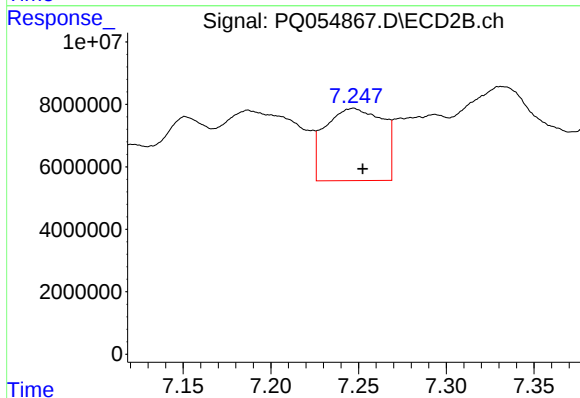
R.T.: 7.044 min  
Delta R.T.: -0.012 min  
Response: 30264706  
Conc: 40.30 ng/ml



#32 AR-1260-2

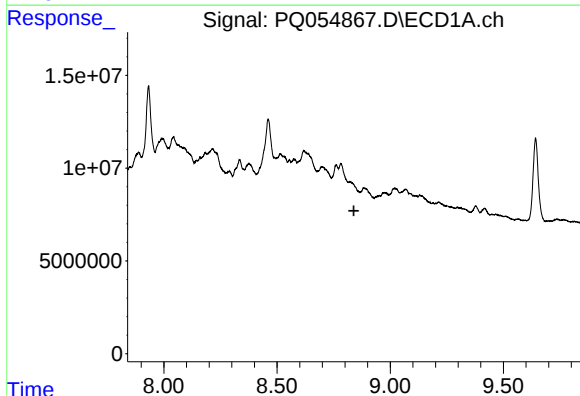
R.T.: 8.461 min  
Delta R.T.: -0.013 min  
Response: 133704836  
Conc: 113.63 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



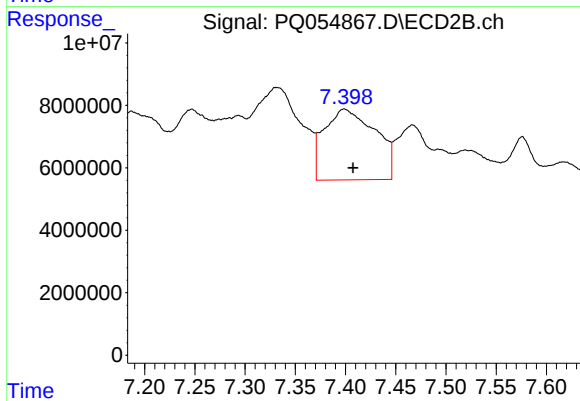
#32 AR-1260-2

R.T.: 7.247 min  
Delta R.T.: -0.005 min  
Response: 52717851  
Conc: 50.94 ng/ml



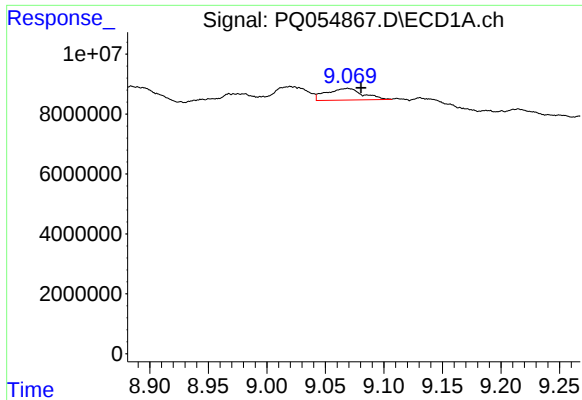
#33 AR-1260-3

R.T.: 0.000 min  
Exp R.T. : 8.839 min  
Response: 0  
Conc: N.D.



#33 AR-1260-3

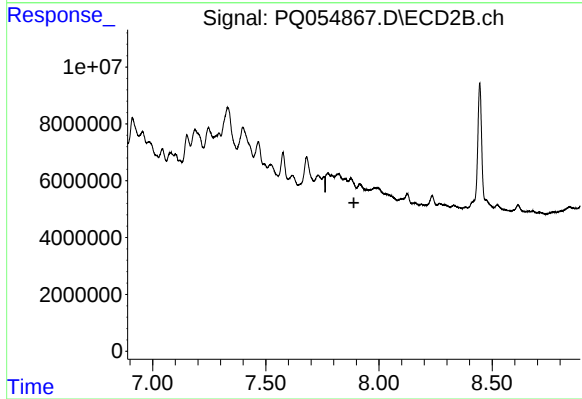
R.T.: 7.399 min  
Delta R.T.: -0.009 min  
Response: 80277972  
Conc: 90.80 ng/ml



#34 AR-1260-4

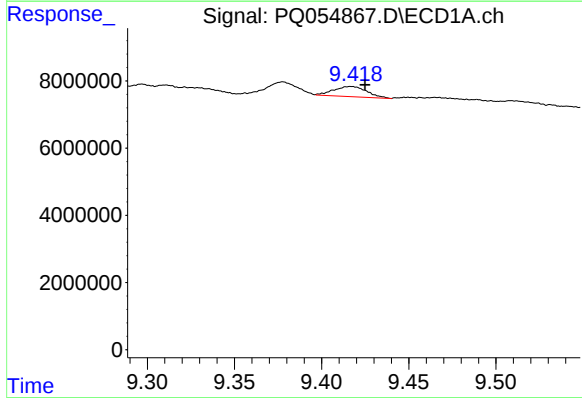
R.T.: 9.069 min  
Delta R.T.: -0.012 min  
Response: 8416377  
Conc: 9.01 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :



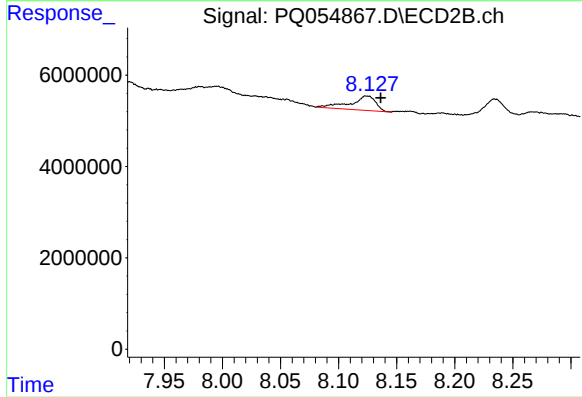
#34 AR-1260-4

R.T.: 0.000 min  
Exp R.T. : 7.889 min  
Response: 0  
Conc: N.D.



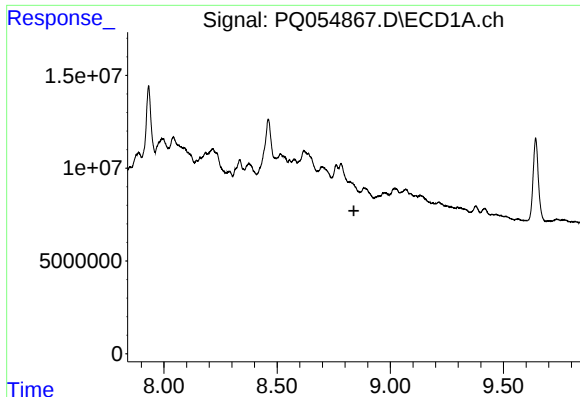
#35 AR-1260-5

R.T.: 9.417 min  
Delta R.T.: -0.008 min  
Response: 4037448  
Conc: 2.19 ng/ml



#35 AR-1260-5

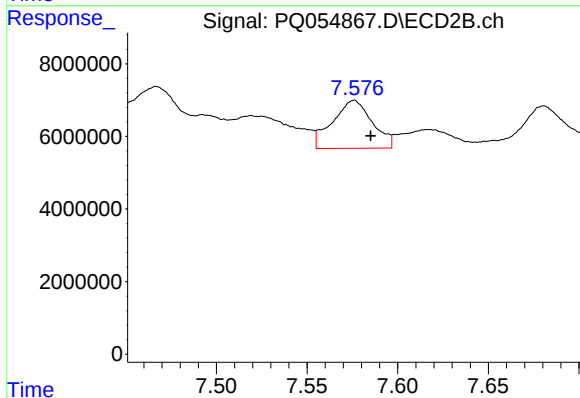
R.T.: 8.124 min  
Delta R.T.: -0.012 min  
Response: 4775379  
Conc: 2.50 ng/ml



#36 AR-1262-1

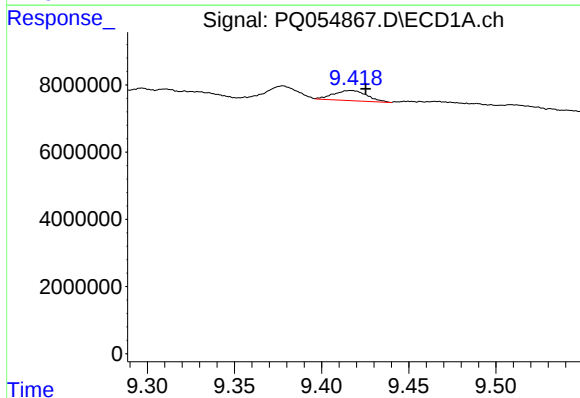
R.T.: 0.000 min  
Exp R.T.: 8.839 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



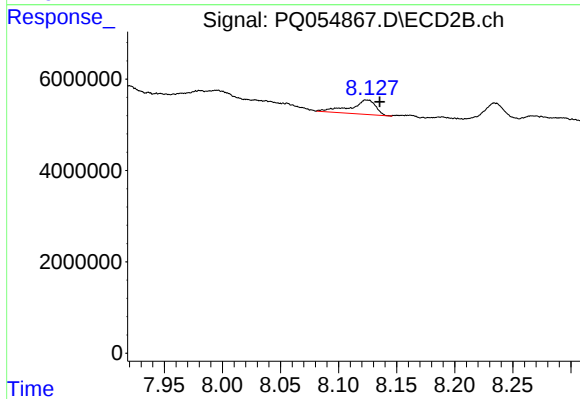
#36 AR-1262-1

R.T.: 7.576 min  
Delta R.T.: -0.009 min  
Response: 20142699  
Conc: 38.98 ng/ml



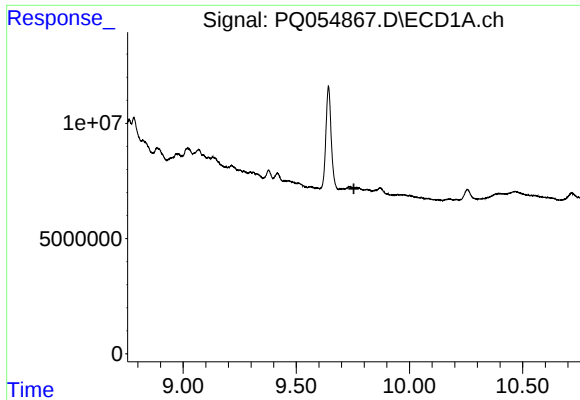
#37 AR-1262-2

R.T.: 9.417 min  
Delta R.T.: -0.009 min  
Response: 4037448  
Conc: 1.86 ng/ml



#37 AR-1262-2

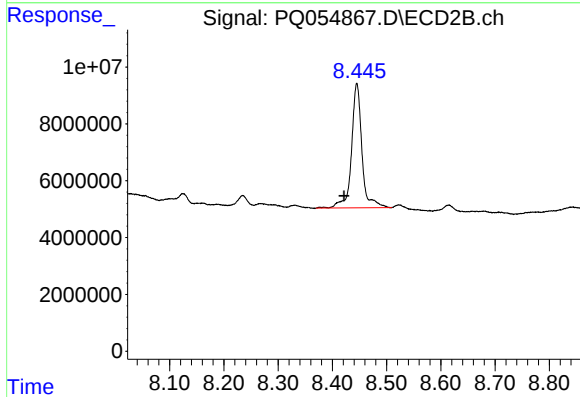
R.T.: 8.124 min  
Delta R.T.: -0.011 min  
Response: 4775379  
Conc: 2.16 ng/ml



#38 AR-1262-3

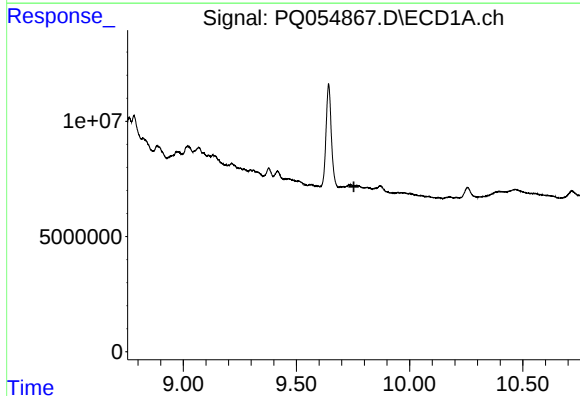
R.T.: 0.000 min  
Exp R.T. : 9.755 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :



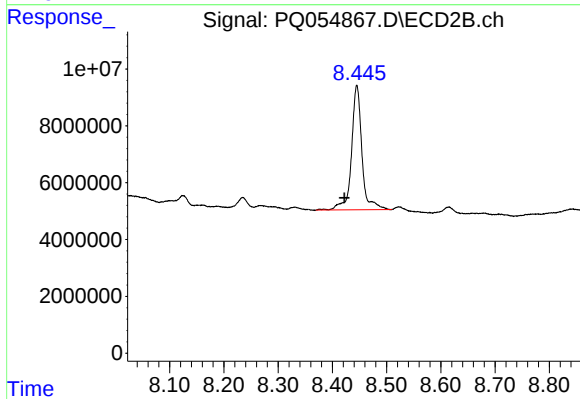
#38 AR-1262-3

R.T.: 8.445 min  
Delta R.T.: 0.023 min  
Response: 58592874  
Conc: 66.04 ng/ml



#41 AR-1268-1

R.T.: 0.000 min  
Exp R.T. : 9.754 min  
Response: 0  
Conc: N.D.



#41 AR-1268-1

R.T.: 8.445 min  
Delta R.T.: 0.023 min  
Response: 58592874  
Conc: 21.59 ng/ml