

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR092019\  
 Data File : PR041322.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Sep 2019 22:39  
 Operator : SM\AJ  
 Sample : AR1254CCC400  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :  
 AR1254338

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 20 23:12:13 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR091019CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Sep 10 13:01:53 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... | 4.723  | 3.991  | 80756929 | 328.1E6  | 26.277   | 24.642    |
| 2)                          | SA Decachlor... | 10.639 | 9.110  | 98802045 | 302.9E6  | 35.501   | 30.988    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 3)                          | L1 AR-1016-1    | 5.899  | 5.090  | 547395   | 2869577  | 4.855    | 10.842 #  |
| 4)                          | L1 AR-1016-2    | 5.899  | 5.110  | 547395   | 1759599  | 3.440    | 4.794 #   |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.290  | 0        | 1655053  | N.D.     | 8.146 #   |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.328  | 0        | 75044505 | N.D.     | 459.508 # |
| 7)                          | L1 AR-1016-5    | 6.379  | 5.545  | 18673876 | 51729411 | 239.557  | 222.582   |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.296  | 0        | 2940201  | N.D.     | 38.288 #  |
| 12)                         | L3 AR-1232-2    | 0.000  | 5.110  | 0        | 1759599  | N.D.     | 13.545 #  |
| 13)                         | L3 AR-1232-3    | 5.899  | 5.290  | 547395   | 1655053  | 9.915    | 22.531 #  |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.370  | 0        | 21611359 | N.D.     | 325.360 # |
| 15)                         | L3 AR-1232-5    | 6.172  | 5.545  | 32318431 | 51729411 | 1548.496 | 627.757 # |
| 16)                         | L4 AR-1242-1    | 5.899  | 5.090  | 547395   | 2869577  | 7.367    | 16.517 #  |
| 17)                         | L4 AR-1242-2    | 5.899  | 5.110  | 547395   | 1759599  | 5.223    | 7.352 #   |
| 18)                         | L4 AR-1242-3    | 0.000  | 5.290  | 0        | 1655053  | N.D.     | 12.190 #  |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.370  | 0        | 21611359 | N.D.     | 157.163 # |
| 20)                         | L4 AR-1242-5    | 6.825  | 5.899  | 16862080 | 217.4E6  | 267.602  | 948.019 # |
| 21)                         | L5 AR-1248-1    | 5.899  | 5.090  | 547395   | 2869577  | 9.348    | 20.712 #  |
| 22)                         | L5 AR-1248-2    | 6.172  | 5.328  | 32318431 | 75044505 | 387.544  | 381.527   |
| 23)                         | L5 AR-1248-3    | 6.379  | 5.370  | 18673876 | 21611359 | 197.938  | 106.369 # |
| 24)                         | L5 AR-1248-4    | 6.782  | 5.545  | 27269243 | 51729411 | 233.332  | 196.219   |
| 25)                         | L5 AR-1248-5    | 6.825  | 5.941  | 16862080 | 26474035 | 153.760  | 83.771 #  |
| 26)                         | L6 AR-1254-1    | 6.756  | 5.899  | 58301982 | 217.4E6  | 475.633  | 454.138   |
| 27)                         | L6 AR-1254-2    | 6.973  | 6.046  | 87763785 | 186.4E6  | 458.388  | 422.086   |
| 28)                         | L6 AR-1254-3    | 7.342  | 6.453  | 89884928 | 294.3E6  | 415.352  | 391.278   |
| 29)                         | L6 AR-1254-4    | 7.627  | 6.681  | 63072683 | 196.3E6  | 387.188  | 375.487   |
| 30)                         | L6 AR-1254-5    | 8.047  | 7.101  | 64321527 | 234.0E6  | 352.137  | 366.227   |
| 31)                         | L7 AR-1260-1    | 7.505  | 6.584  | 33724649 | 138.1E6  | 218.462  | 271.018   |
| 32)                         | L7 AR-1260-2    | 7.759  | 6.770  | 36245373 | 117.3E6  | 197.021  | 184.516   |
| 33)                         | L7 AR-1260-3    | 8.111  | 6.927  | 7491953  | 111.0E6  | 53.966   | 192.425 # |
| 34)                         | L7 AR-1260-4    | 8.351  | 7.401  | 23627003 | 9977327  | 145.309  | 20.209 #  |
| 35)                         | L7 AR-1260-5    | 8.698  | 7.638  | 7879951  | 25130035 | 23.053   | 19.315    |
| 36)                         | L8 AR-1262-1    | 8.111  | 7.172  | 7491953  | 23103589 | 33.053   | 28.190    |
| 37)                         | L8 AR-1262-2    | 8.698  | 7.638  | 7879951  | 25130035 | 17.984   | 16.105    |
| 38)                         | L8 AR-1262-3    | 9.050  | 7.988f | 6053969  | 23427245 | 21.564   | 38.795 #  |
| 39)                         | L8 AR-1262-4    | 0.000  | 7.988  | 0        | 23427245 | N.D.     | 21.009 #  |
| 41)                         | L9 AR-1268-1    | 9.050  | 7.988f | 6053969  | 23427245 | 13.578   | 14.611    |
| 42)                         | L9 AR-1268-2    | 0.000  | 7.988  | 0        | 23427245 | N.D.     | 15.676 #  |
| 45)                         | L9 AR-1268-5    | 0.000  | 8.826  | 0        | 2322807  | N.D.     | 0.630 #   |
| -----                       |                 |        |        |          |          |          |           |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR092019\  
Data File : PR041322.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Sep 2019 22:39  
Operator : SM\AJ  
Sample : AR1254CCC400  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

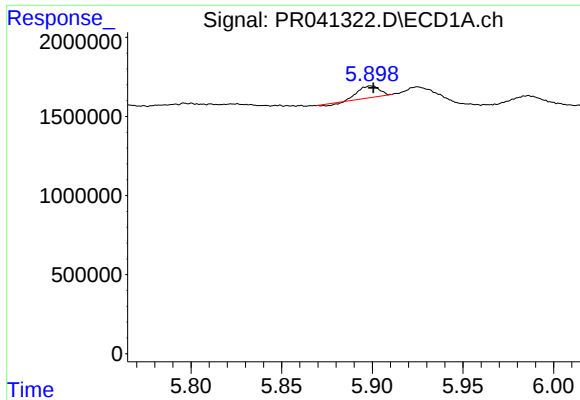
Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 20 23:12:13 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR091019CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Sep 10 13:01:53 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 |
|-----------------------------------------------------------------------|------|------|--------|--------|-------|-------|
| -----                                                                 |      |      |        |        |       |       |
| (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int. |      |      |        |        |       |       |

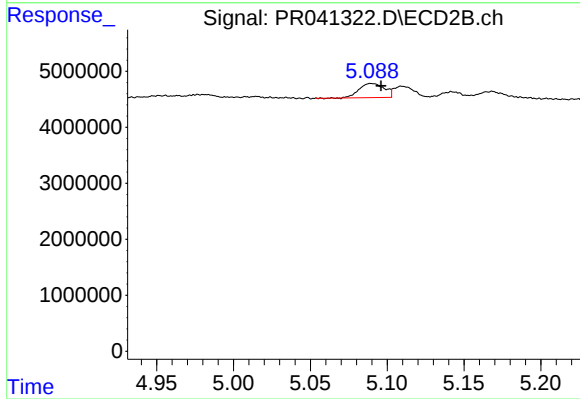




#3 AR-1016-1

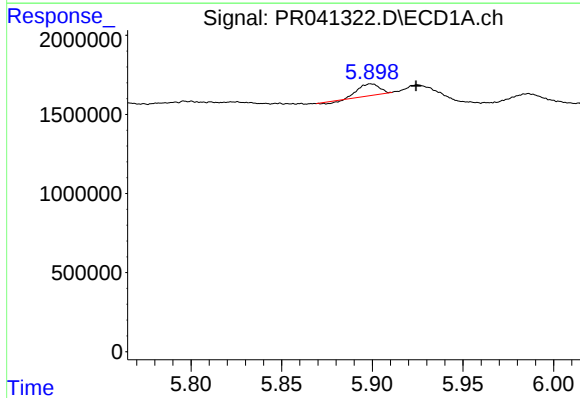
R.T.: 5.899 min  
Delta R.T.: -0.001 min  
Response: 547395  
Conc: 4.85 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



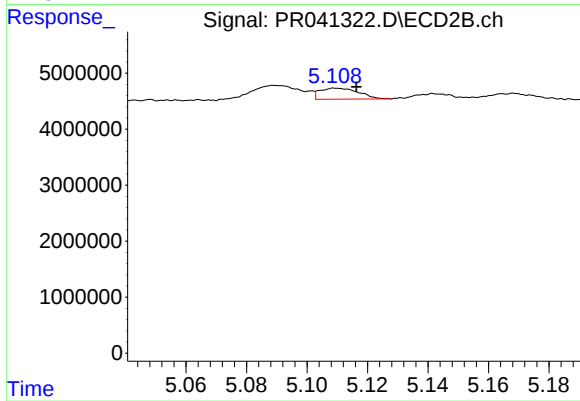
#3 AR-1016-1

R.T.: 5.090 min  
Delta R.T.: -0.006 min  
Response: 2869577  
Conc: 10.84 ng/ml



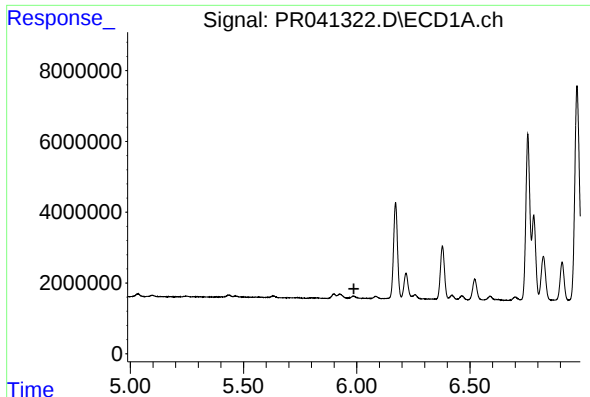
#4 AR-1016-2

R.T.: 5.899 min  
Delta R.T.: -0.025 min  
Response: 547395  
Conc: 3.44 ng/ml



#4 AR-1016-2

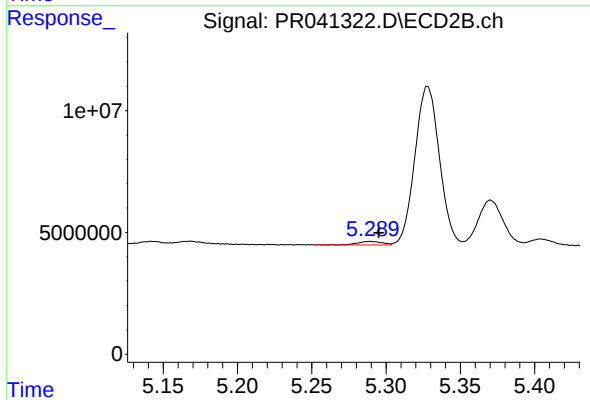
R.T.: 5.110 min  
Delta R.T.: -0.007 min  
Response: 1759599  
Conc: 4.79 ng/ml



#5 AR-1016-3

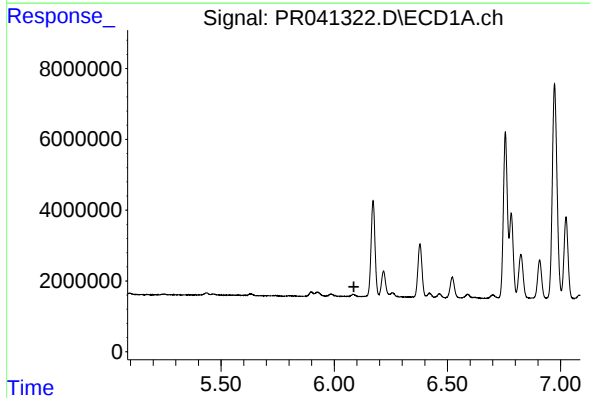
R.T.: 0.000 min  
Exp R.T.: 5.987 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



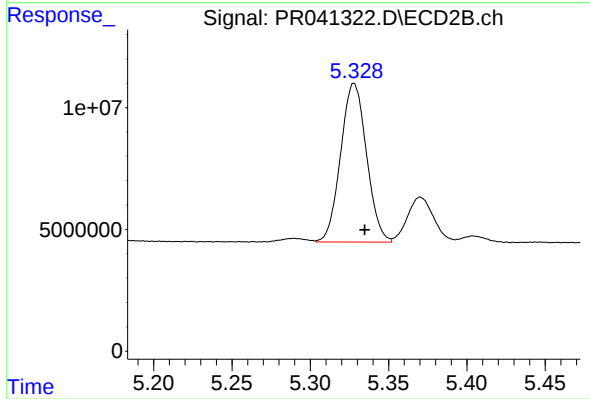
#5 AR-1016-3

R.T.: 5.290 min  
Delta R.T.: -0.005 min  
Response: 1655053  
Conc: 8.15 ng/ml



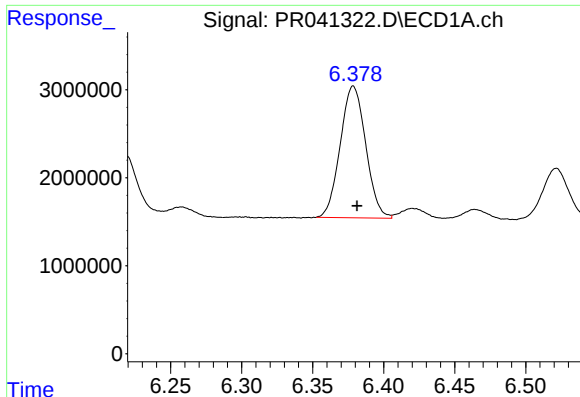
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 6.087 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

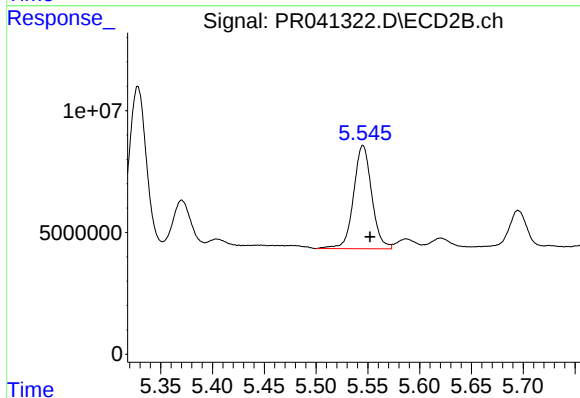
R.T.: 5.328 min  
Delta R.T.: -0.007 min  
Response: 75044505  
Conc: 459.51 ng/ml



#7 AR-1016-5

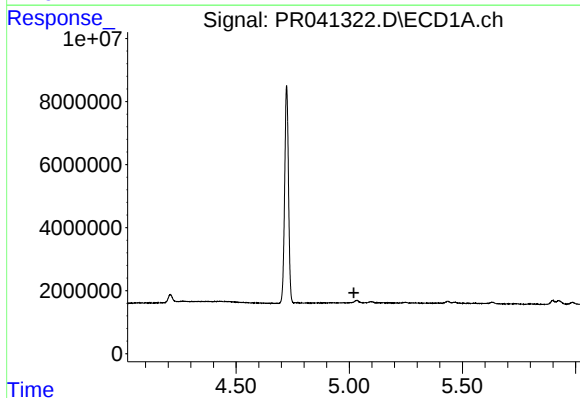
R.T.: 6.379 min  
Delta R.T.: -0.003 min  
Response: 18673876  
Conc: 239.56 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



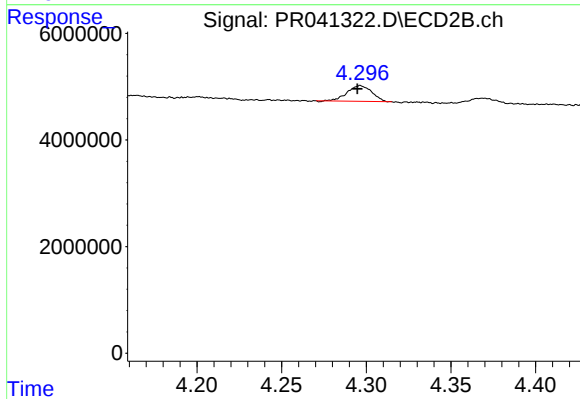
#7 AR-1016-5

R.T.: 5.545 min  
Delta R.T.: -0.007 min  
Response: 51729411  
Conc: 222.58 ng/ml



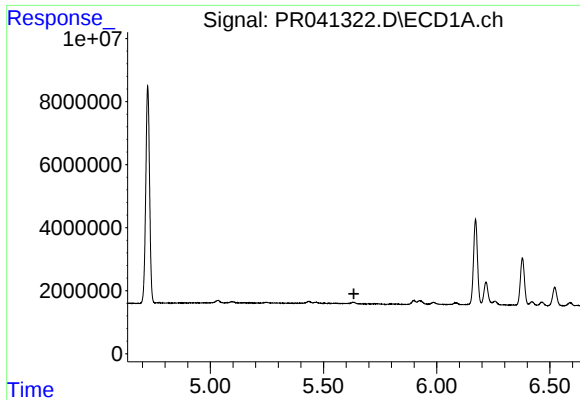
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T. : 5.020 min  
Response: 0  
Conc: N.D.



#9 AR-1221-2

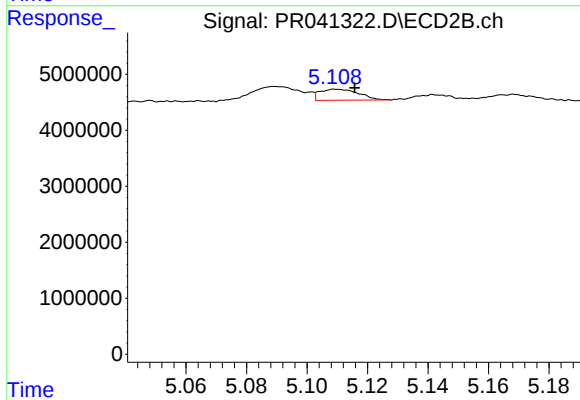
R.T.: 4.296 min  
Delta R.T.: 0.002 min  
Response: 2940201  
Conc: 38.29 ng/ml



#12 AR-1232-2

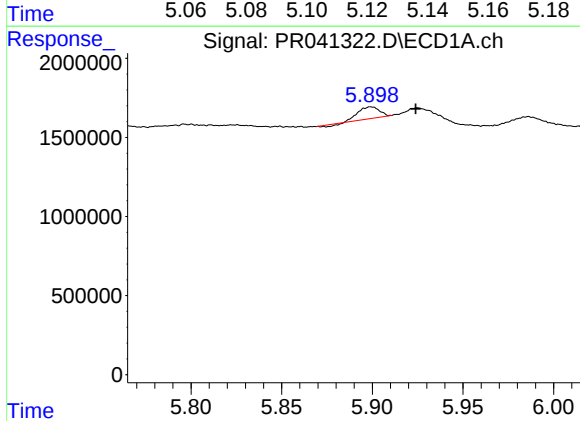
R.T.: 0.000 min  
Exp R.T.: 5.634 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



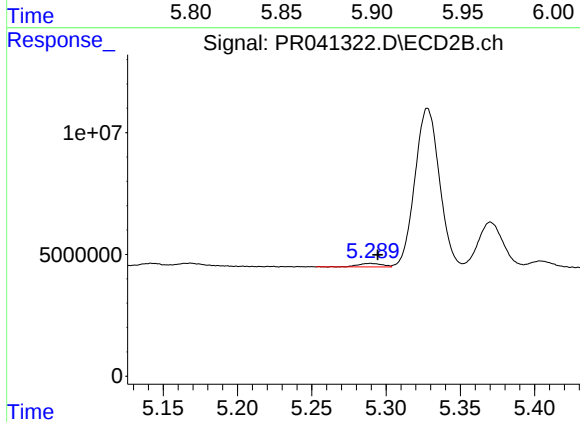
#12 AR-1232-2

R.T.: 5.110 min  
Delta R.T.: -0.006 min  
Response: 1759599  
Conc: 13.55 ng/ml



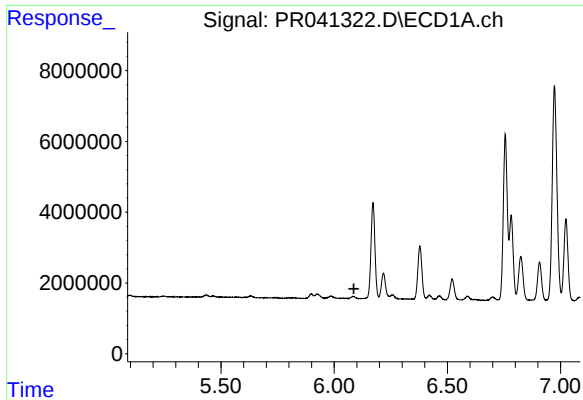
#13 AR-1232-3

R.T.: 5.899 min  
Delta R.T.: -0.025 min  
Response: 547395  
Conc: 9.91 ng/ml



#13 AR-1232-3

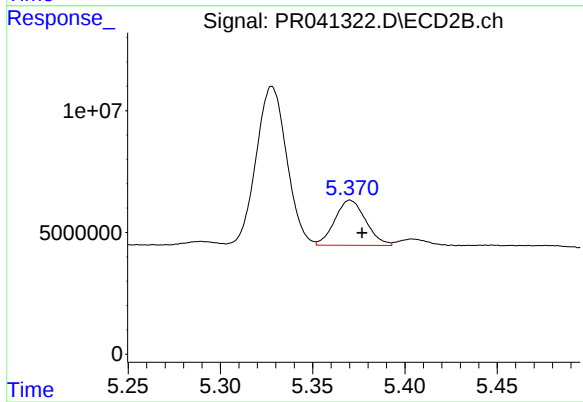
R.T.: 5.290 min  
Delta R.T.: -0.005 min  
Response: 1655053  
Conc: 22.53 ng/ml



#14 AR-1232-4

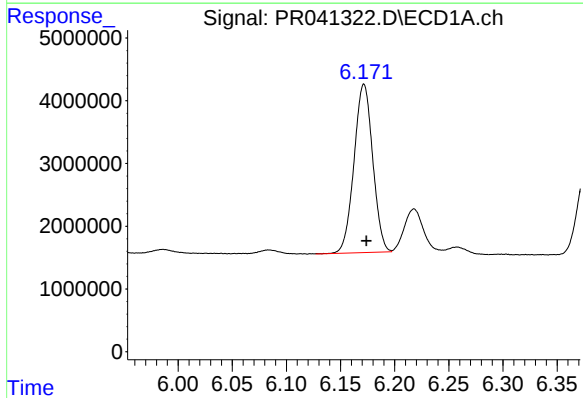
R.T.: 0.000 min  
Exp R.T.: 6.087 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



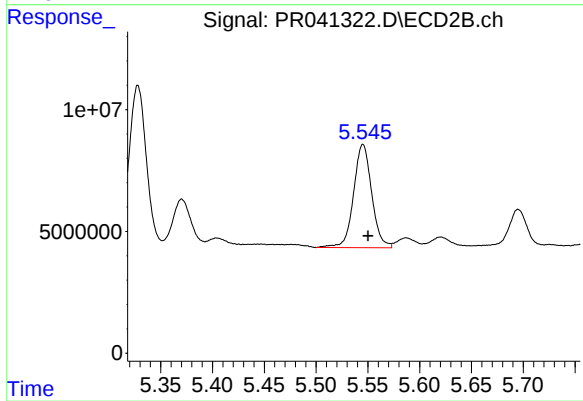
#14 AR-1232-4

R.T.: 5.370 min  
Delta R.T.: -0.007 min  
Response: 21611359  
Conc: 325.36 ng/ml



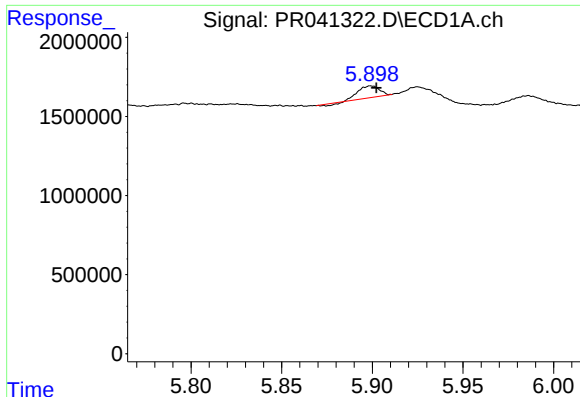
#15 AR-1232-5

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 32318431  
Conc: 1548.50 ng/ml



#15 AR-1232-5

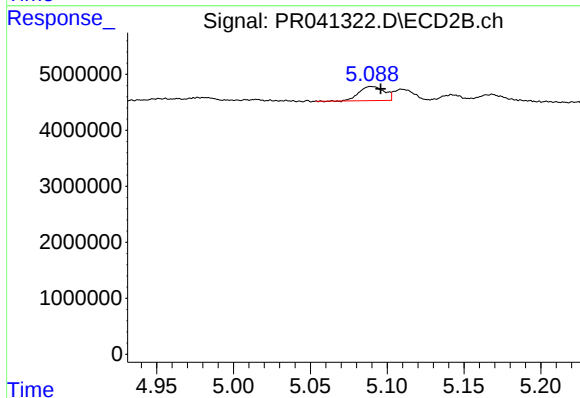
R.T.: 5.545 min  
Delta R.T.: -0.005 min  
Response: 51729411  
Conc: 627.76 ng/ml



#16 AR-1242-1

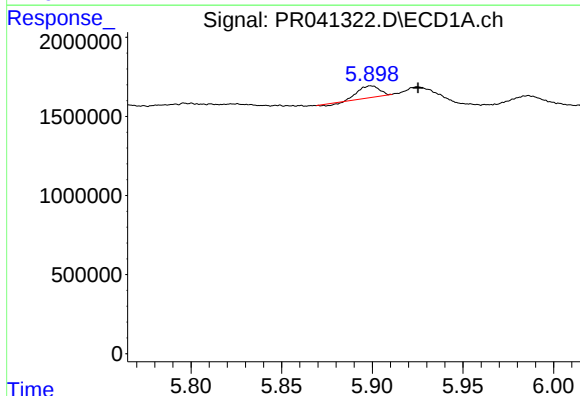
R.T.: 5.899 min  
Delta R.T.: -0.003 min  
Response: 547395  
Conc: 7.37 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



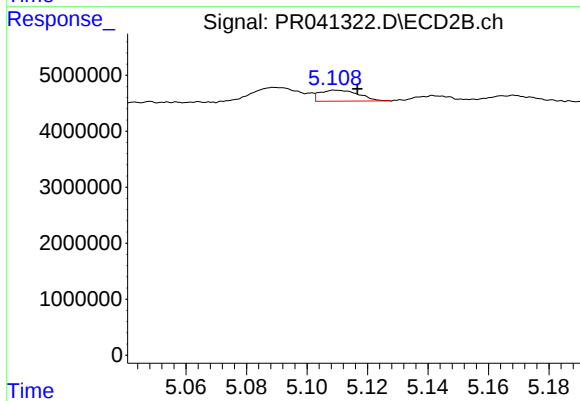
#16 AR-1242-1

R.T.: 5.090 min  
Delta R.T.: -0.006 min  
Response: 2869577  
Conc: 16.52 ng/ml



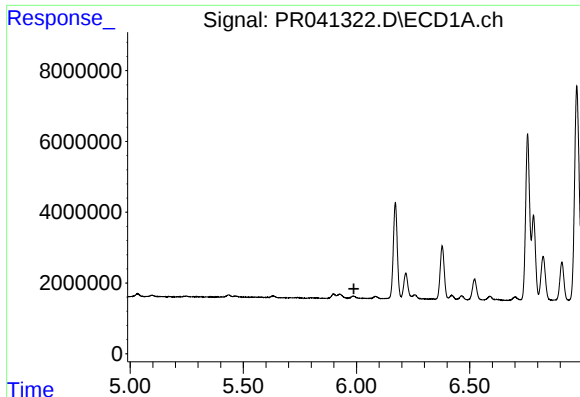
#17 AR-1242-2

R.T.: 5.899 min  
Delta R.T.: -0.026 min  
Response: 547395  
Conc: 5.22 ng/ml



#17 AR-1242-2

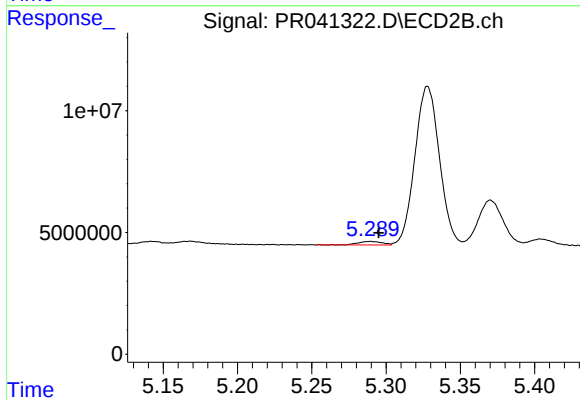
R.T.: 5.110 min  
Delta R.T.: -0.007 min  
Response: 1759599  
Conc: 7.35 ng/ml



#18 AR-1242-3

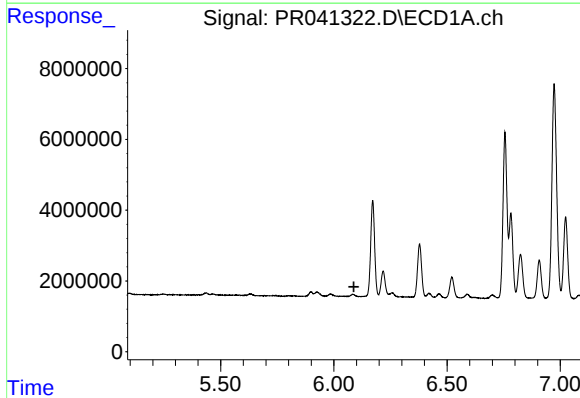
R.T.: 0.000 min  
Exp R.T.: 5.989 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



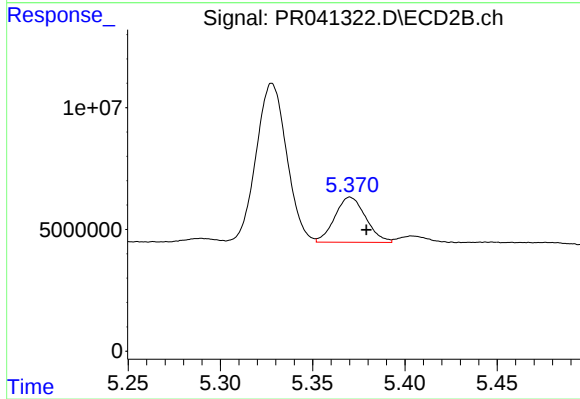
#18 AR-1242-3

R.T.: 5.290 min  
Delta R.T.: -0.006 min  
Response: 1655053  
Conc: 12.19 ng/ml



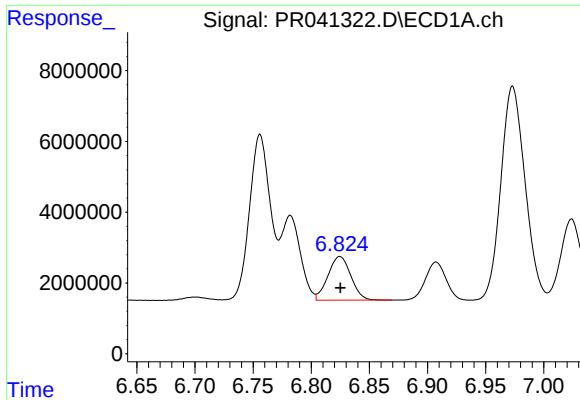
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 6.088 min  
Response: 0  
Conc: N.D.



#19 AR-1242-4

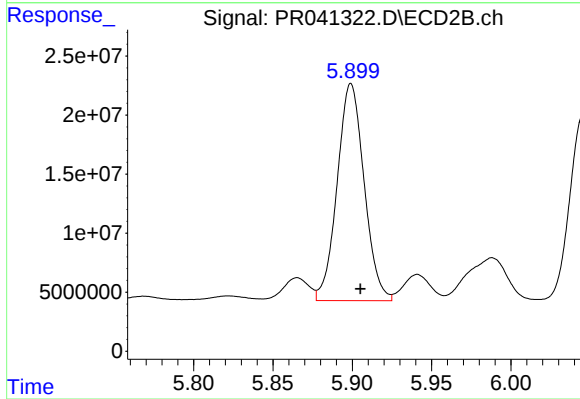
R.T.: 5.370 min  
Delta R.T.: -0.009 min  
Response: 21611359  
Conc: 157.16 ng/ml



#20 AR-1242-5

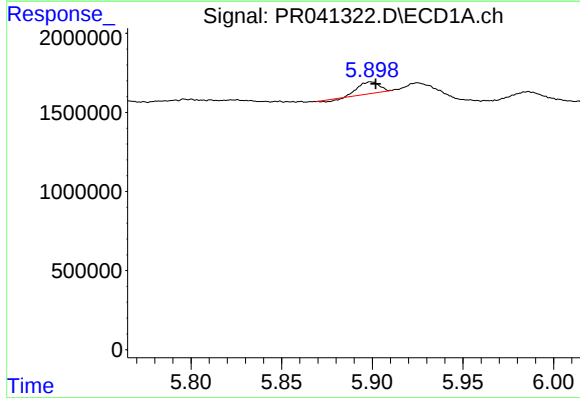
R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 16862080  
Conc: 267.60 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



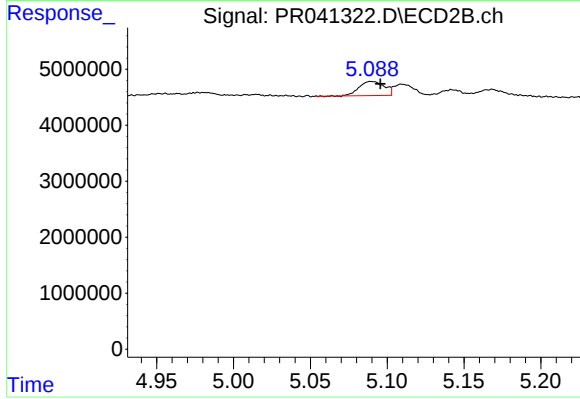
#20 AR-1242-5

R.T.: 5.899 min  
Delta R.T.: -0.006 min  
Response: 217424338  
Conc: 948.02 ng/ml



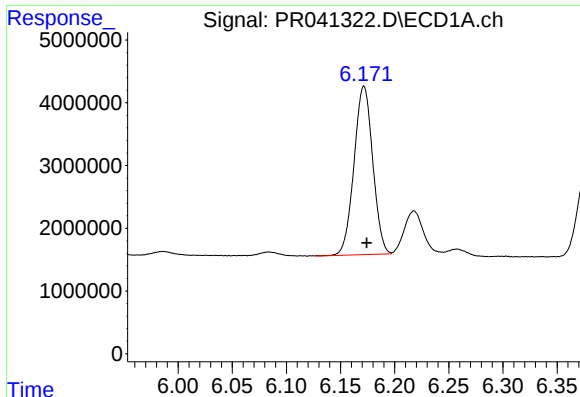
#21 AR-1248-1

R.T.: 5.899 min  
Delta R.T.: -0.002 min  
Response: 547395  
Conc: 9.35 ng/ml



#21 AR-1248-1

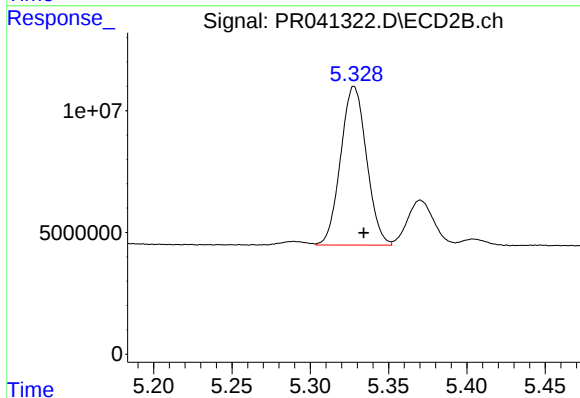
R.T.: 5.090 min  
Delta R.T.: -0.006 min  
Response: 2869577  
Conc: 20.71 ng/ml



#22 AR-1248-2

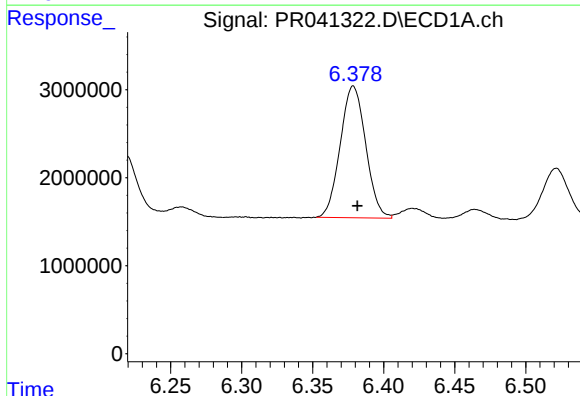
R.T.: 6.172 min  
Delta R.T.: -0.003 min  
Response: 32318431  
Conc: 387.54 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



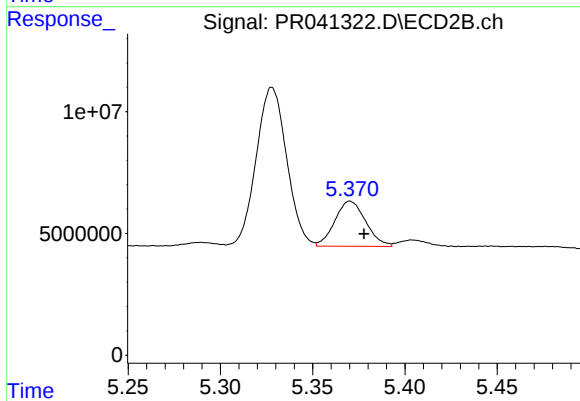
#22 AR-1248-2

R.T.: 5.328 min  
Delta R.T.: -0.006 min  
Response: 75044505  
Conc: 381.53 ng/ml



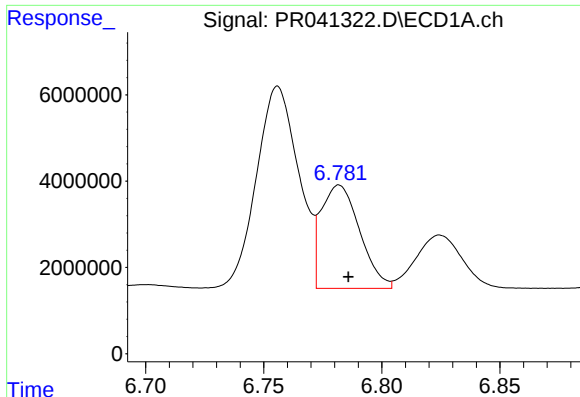
#23 AR-1248-3

R.T.: 6.379 min  
Delta R.T.: -0.003 min  
Response: 18673876  
Conc: 197.94 ng/ml



#23 AR-1248-3

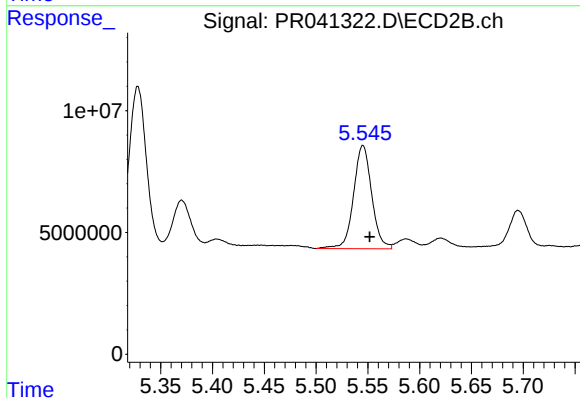
R.T.: 5.370 min  
Delta R.T.: -0.007 min  
Response: 21611359  
Conc: 106.37 ng/ml



#24 AR-1248-4

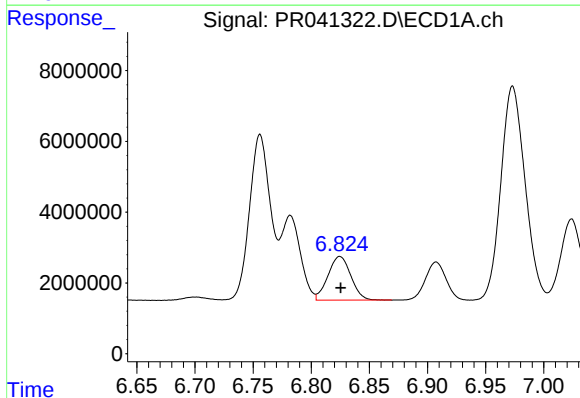
R.T.: 6.782 min  
Delta R.T.: -0.004 min  
Response: 27269243  
Conc: 233.33 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



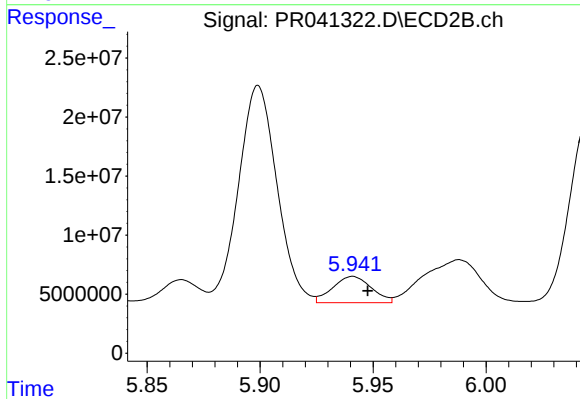
#24 AR-1248-4

R.T.: 5.545 min  
Delta R.T.: -0.007 min  
Response: 51729411  
Conc: 196.22 ng/ml



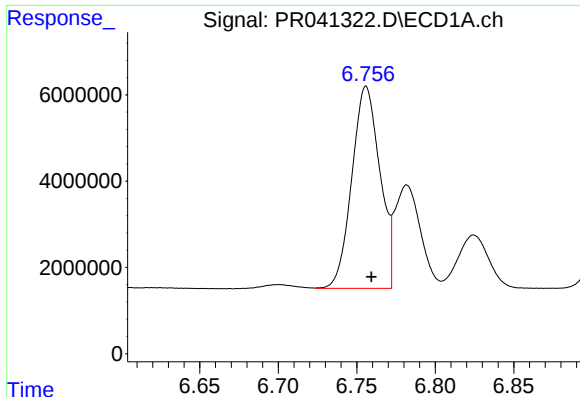
#25 AR-1248-5

R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 16862080  
Conc: 153.76 ng/ml



#25 AR-1248-5

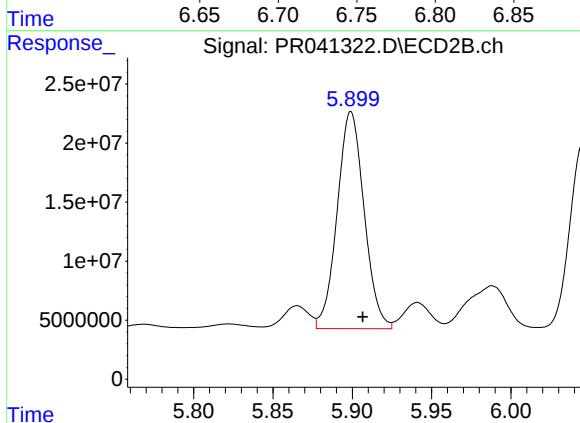
R.T.: 5.941 min  
Delta R.T.: -0.007 min  
Response: 26474035  
Conc: 83.77 ng/ml



#26 AR-1254-1

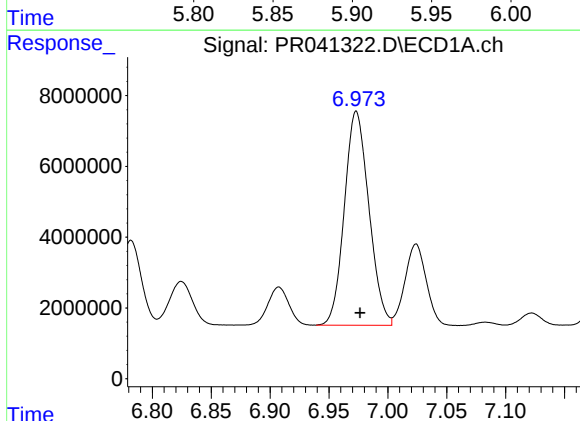
R.T.: 6.756 min  
Delta R.T.: -0.003 min  
Response: 58301982  
Conc: 475.63 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



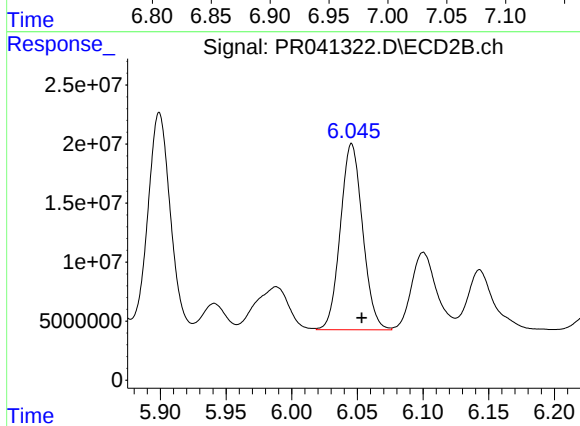
#26 AR-1254-1

R.T.: 5.899 min  
Delta R.T.: -0.007 min  
Response: 217424338  
Conc: 454.14 ng/ml



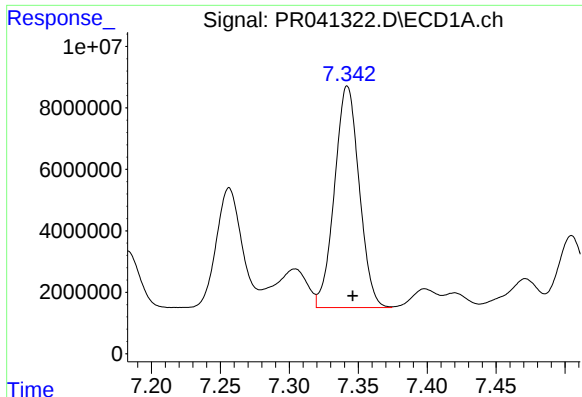
#27 AR-1254-2

R.T.: 6.973 min  
Delta R.T.: -0.003 min  
Response: 87763785  
Conc: 458.39 ng/ml



#27 AR-1254-2

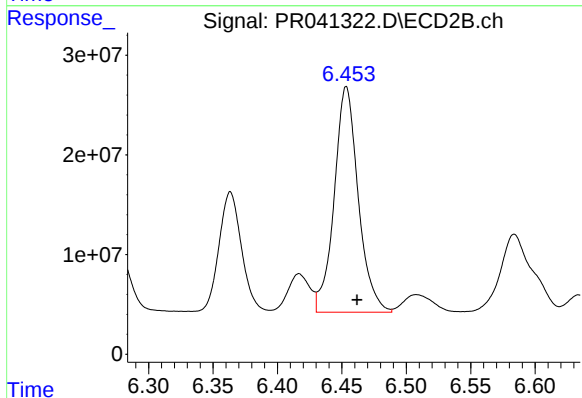
R.T.: 6.046 min  
Delta R.T.: -0.008 min  
Response: 186379188  
Conc: 422.09 ng/ml



#28 AR-1254-3

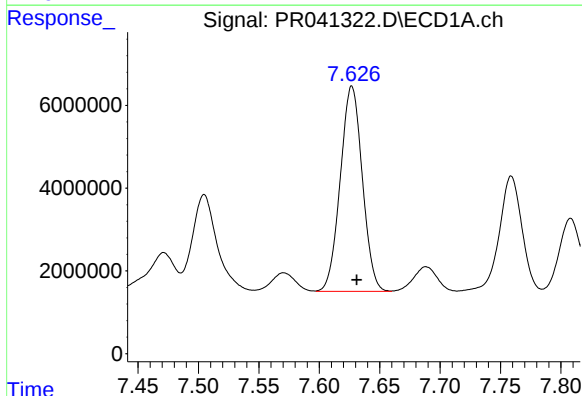
R.T.: 7.342 min  
Delta R.T.: -0.004 min  
Response: 89884928  
Conc: 415.35 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



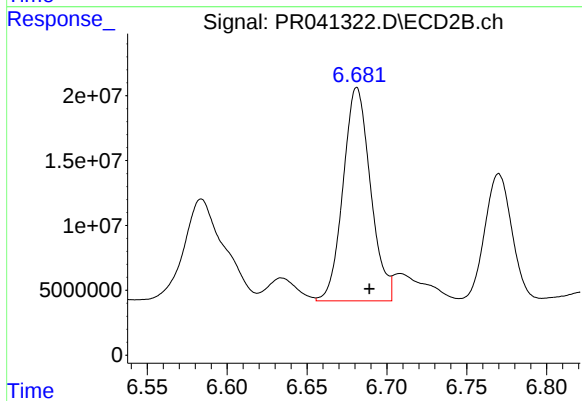
#28 AR-1254-3

R.T.: 6.453 min  
Delta R.T.: -0.008 min  
Response: 294344821  
Conc: 391.28 ng/ml



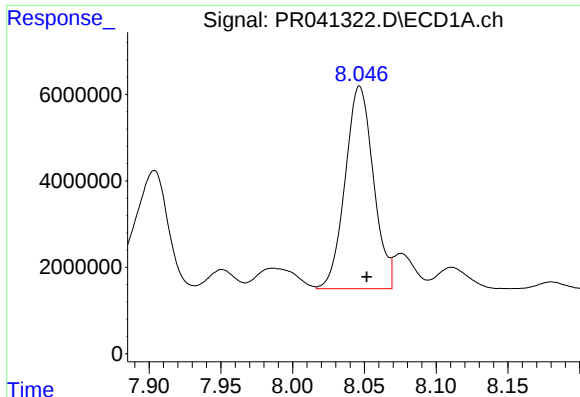
#29 AR-1254-4

R.T.: 7.627 min  
Delta R.T.: -0.004 min  
Response: 63072683  
Conc: 387.19 ng/ml



#29 AR-1254-4

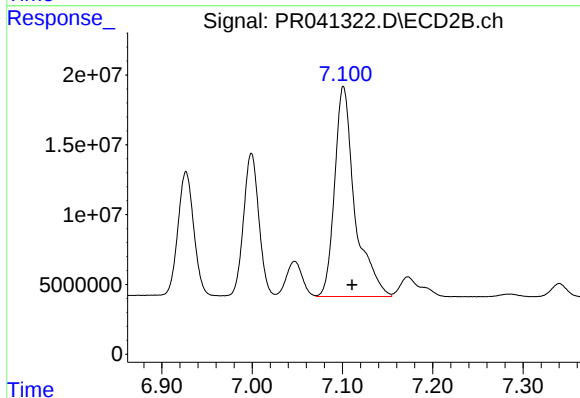
R.T.: 6.681 min  
Delta R.T.: -0.008 min  
Response: 196345797  
Conc: 375.49 ng/ml



#30 AR-1254-5

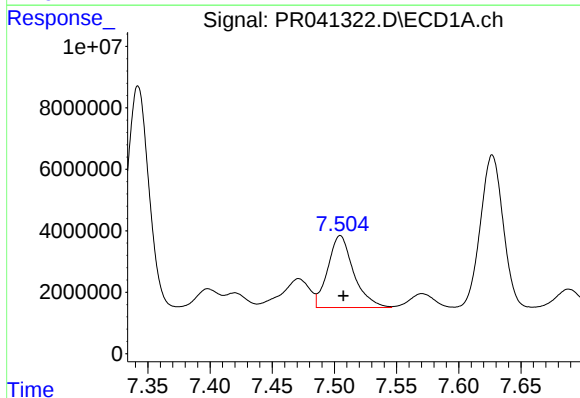
R.T.: 8.047 min  
Delta R.T.: -0.005 min  
Response: 64321527  
Conc: 352.14 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



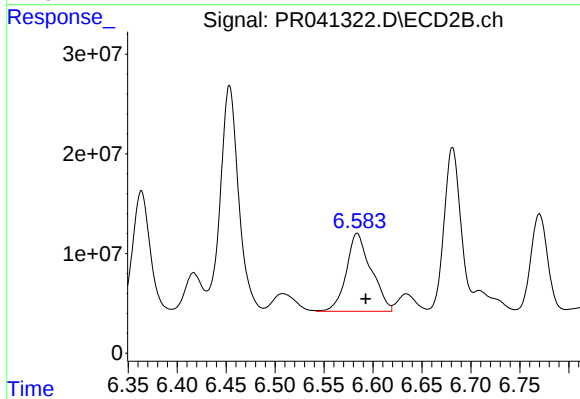
#30 AR-1254-5

R.T.: 7.101 min  
Delta R.T.: -0.009 min  
Response: 233982578  
Conc: 366.23 ng/ml



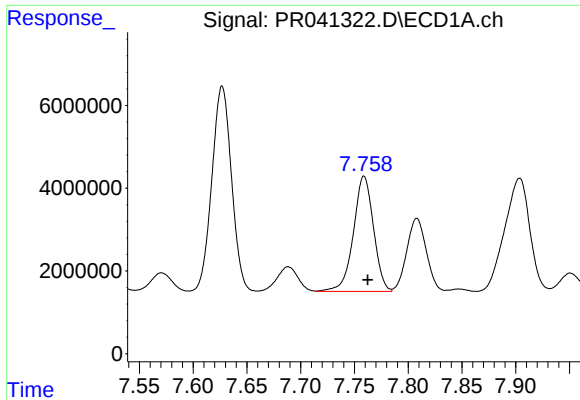
#31 AR-1260-1

R.T.: 7.505 min  
Delta R.T.: -0.002 min  
Response: 33724649  
Conc: 218.46 ng/ml



#31 AR-1260-1

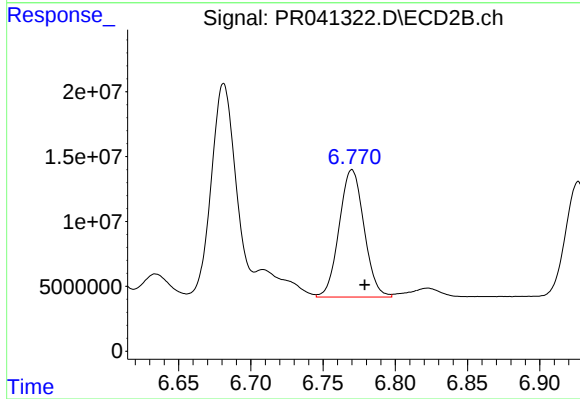
R.T.: 6.584 min  
Delta R.T.: -0.009 min  
Response: 138069336  
Conc: 271.02 ng/ml



#32 AR-1260-2

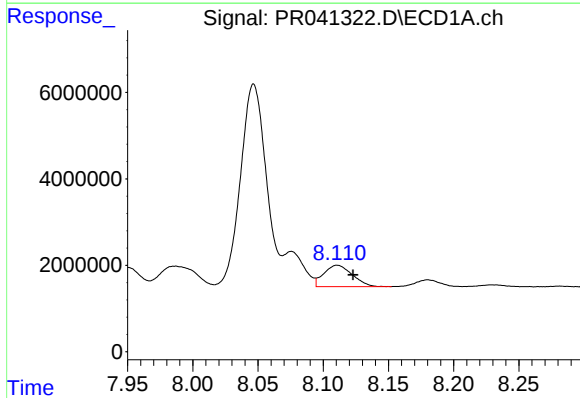
R.T.: 7.759 min  
Delta R.T.: -0.004 min  
Response: 36245373  
Conc: 197.02 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



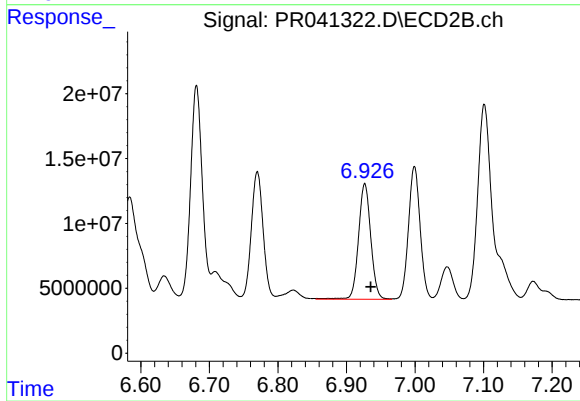
#32 AR-1260-2

R.T.: 6.770 min  
Delta R.T.: -0.009 min  
Response: 117299537  
Conc: 184.52 ng/ml



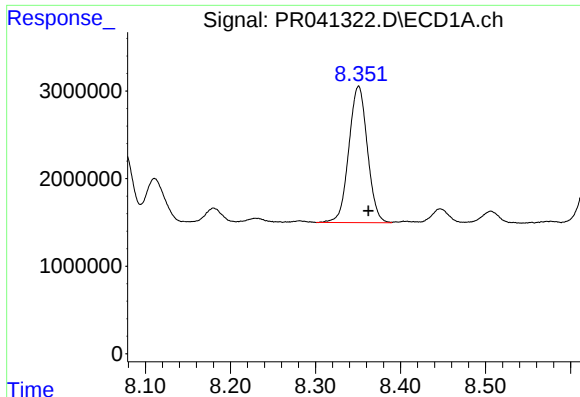
#33 AR-1260-3

R.T.: 8.111 min  
Delta R.T.: -0.012 min  
Response: 7491953  
Conc: 53.97 ng/ml



#33 AR-1260-3

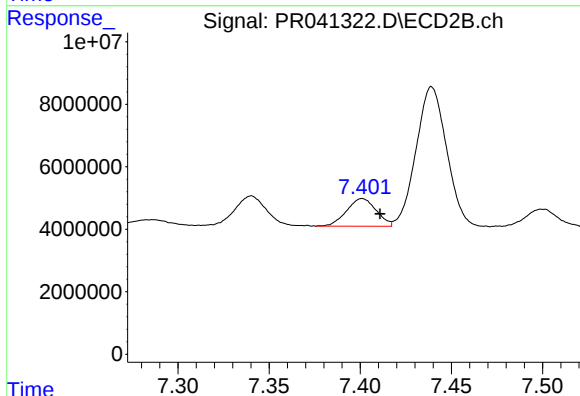
R.T.: 6.927 min  
Delta R.T.: -0.009 min  
Response: 110981767  
Conc: 192.42 ng/ml



#34 AR-1260-4

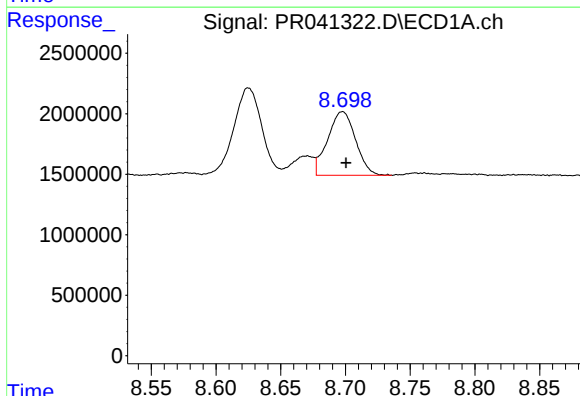
R.T.: 8.351 min  
Delta R.T.: -0.011 min  
Response: 23627003  
Conc: 145.31 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



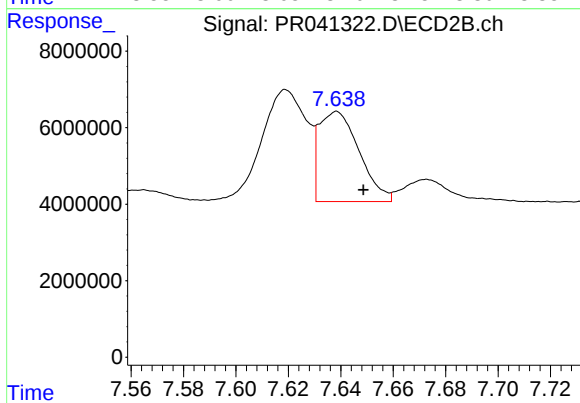
#34 AR-1260-4

R.T.: 7.401 min  
Delta R.T.: -0.010 min  
Response: 9977327  
Conc: 20.21 ng/ml



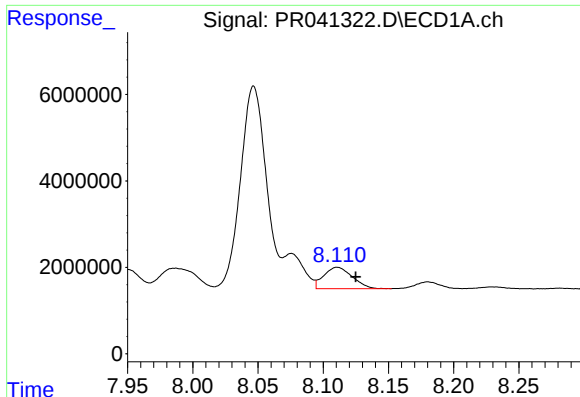
#35 AR-1260-5

R.T.: 8.698 min  
Delta R.T.: -0.003 min  
Response: 7879951  
Conc: 23.05 ng/ml



#35 AR-1260-5

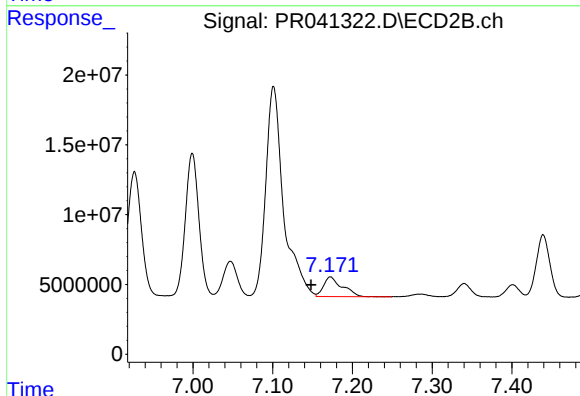
R.T.: 7.638 min  
Delta R.T.: -0.010 min  
Response: 25130035  
Conc: 19.31 ng/ml



#36 AR-1262-1

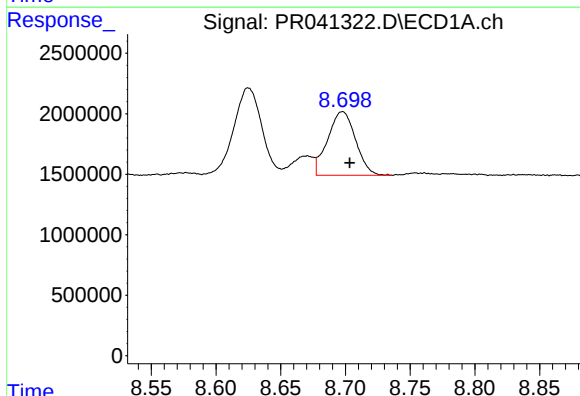
R.T.: 8.111 min  
Delta R.T.: -0.014 min  
Response: 7491953  
Conc: 33.05 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



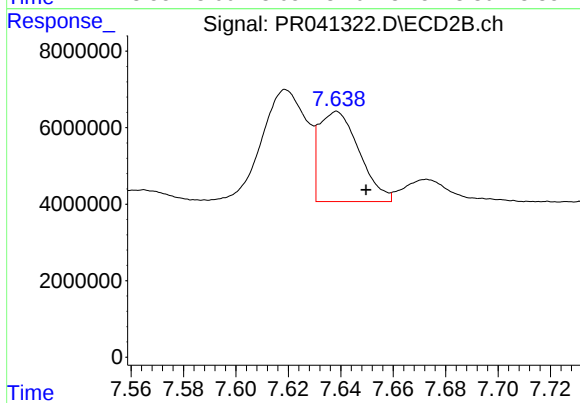
#36 AR-1262-1

R.T.: 7.172 min  
Delta R.T.: 0.024 min  
Response: 23103589  
Conc: 28.19 ng/ml



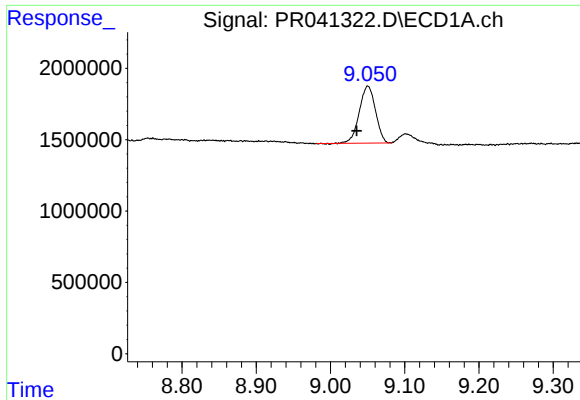
#37 AR-1262-2

R.T.: 8.698 min  
Delta R.T.: -0.006 min  
Response: 7879951  
Conc: 17.98 ng/ml



#37 AR-1262-2

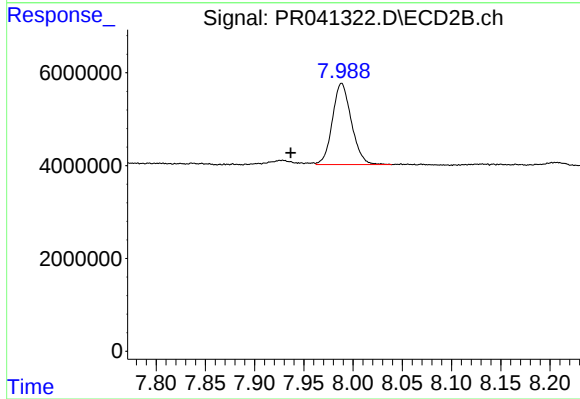
R.T.: 7.638 min  
Delta R.T.: -0.011 min  
Response: 25130035  
Conc: 16.11 ng/ml



#38 AR-1262-3

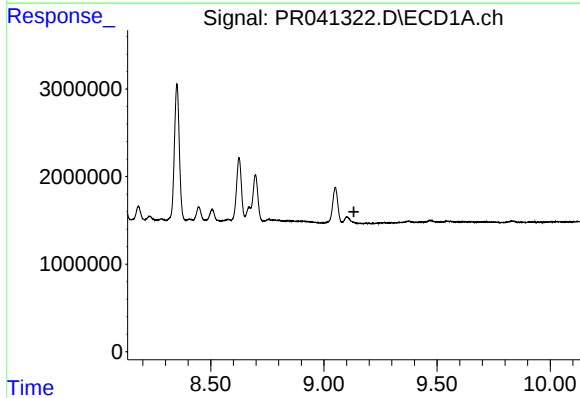
R.T.: 9.050 min  
Delta R.T.: 0.015 min  
Response: 6053969  
Conc: 21.56 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



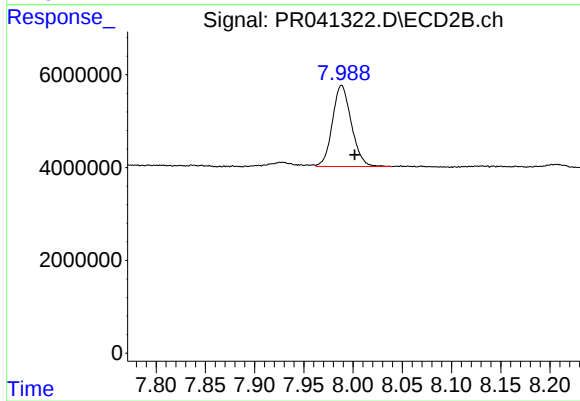
#38 AR-1262-3

R.T.: 7.988 min  
Delta R.T.: 0.051 min  
Response: 23427245  
Conc: 38.79 ng/ml



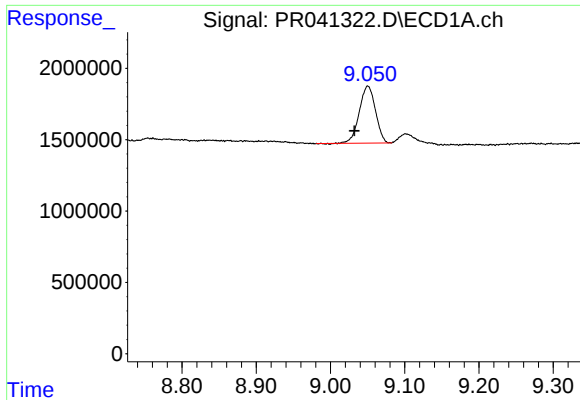
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T. : 9.132 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

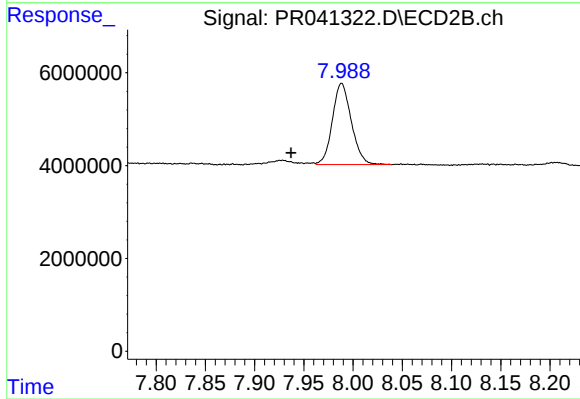
R.T.: 7.988 min  
Delta R.T.: -0.013 min  
Response: 23427245  
Conc: 21.01 ng/ml



#41 AR-1268-1

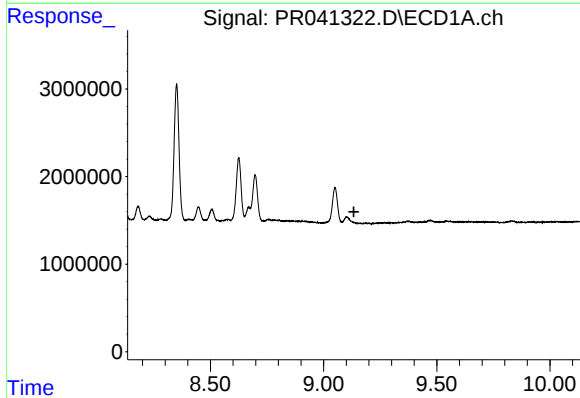
R.T.: 9.050 min  
Delta R.T.: 0.018 min  
Response: 6053969  
Conc: 13.58 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



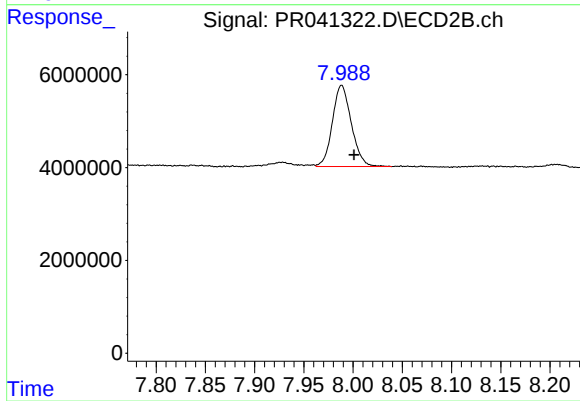
#41 AR-1268-1

R.T.: 7.988 min  
Delta R.T.: 0.051 min  
Response: 23427245  
Conc: 14.61 ng/ml



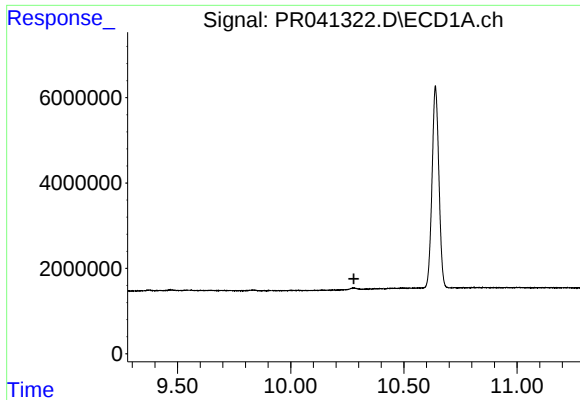
#42 AR-1268-2

R.T.: 0.000 min  
Exp R.T. : 9.134 min  
Response: 0  
Conc: N.D.



#42 AR-1268-2

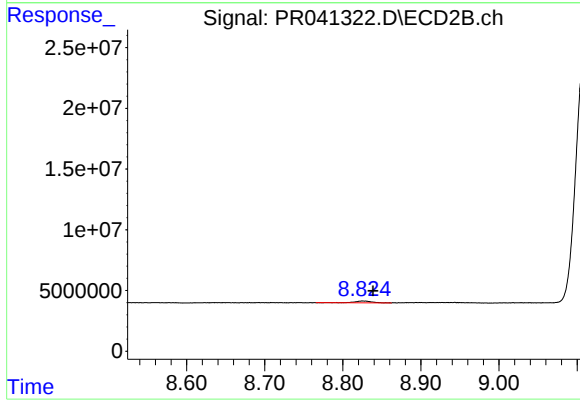
R.T.: 7.988 min  
Delta R.T.: -0.013 min  
Response: 23427245  
Conc: 15.68 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 10.279 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1254338



#45 AR-1268-5

R.T.: 8.826 min  
Delta R.T.: -0.013 min  
Response: 2322807  
Conc: 0.63 ng/ml