

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR121919\  
 Data File : PR044039.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Dec 2019 16:00  
 Operator : SM\AJ  
 Sample : AR1254CCC400  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 19 16:21:04 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR121519CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Mon Dec 16 06:15:17 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... | 4.714  | 3.973  | 83188651 | 215.7E6  | 20.814   | 19.541    |
| 2)                          | SA Decachlor... | 10.619 | 9.059  | 218.1E6  | 473.0E6  | 45.707   | 46.890    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 3)                          | L1 AR-1016-1    | 5.890  | 5.063  | 773586   | 3897893  | 4.869    | 11.296 #  |
| 4)                          | L1 AR-1016-2    | 5.890  | 5.083  | 773586   | 2877862  | 3.403    | 5.983 #   |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.261  | 0        | 1755831  | N.D.     | 8.057 #   |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.300  | 0        | 72954464 | N.D.     | 404.094 # |
| 7)                          | L1 AR-1016-5    | 6.369  | 5.516  | 24543018 | 46803762 | 217.244  | 198.091   |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.277  | 0        | 3124605  | N.D.     | 38.298 #  |
| 11)                         | L3 AR-1232-1    | 0.000  | 4.277f | 0        | 3124605  | N.D.     | 13.541 #  |
| 12)                         | L3 AR-1232-2    | 0.000  | 5.083  | 0        | 2877862  | N.D.     | 13.218 #  |
| 13)                         | L3 AR-1232-3    | 5.890  | 5.261  | 773586   | 1755831  | 8.105    | 18.519 #  |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.343  | 0        | 22212560 | N.D.     | 256.525 # |
| 15)                         | L3 AR-1232-5    | 6.161  | 5.516  | 39727515 | 46803762 | 1160.352 | 475.977 # |
| 16)                         | L4 AR-1242-1    | 5.890  | 5.063  | 773586   | 3897893  | 6.114    | 13.549 #  |
| 17)                         | L4 AR-1242-2    | 5.890  | 5.083  | 773586   | 2877862  | 4.269    | 7.278 #   |
| 18)                         | L4 AR-1242-3    | 0.000  | 5.261  | 0        | 1755831  | N.D.     | 9.238 #   |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.343  | 0        | 22212560 | N.D.     | 121.494 # |
| 20)                         | L4 AR-1242-5    | 6.815  | 5.869  | 23914792 | 230.0E6  | 217.684  | 775.424 # |
| 21)                         | L5 AR-1248-1    | 5.890  | 5.063  | 773586   | 3897893  | 7.725    | 16.941 #  |
| 22)                         | L5 AR-1248-2    | 6.161  | 5.300  | 39727515 | 72954464 | 289.771  | 278.817   |
| 23)                         | L5 AR-1248-3    | 6.369  | 5.343  | 24543018 | 22212560 | 155.251  | 83.900 #  |
| 24)                         | L5 AR-1248-4    | 6.772  | 5.516  | 39061386 | 46803762 | 201.163  | 140.649 # |
| 25)                         | L5 AR-1248-5    | 6.815  | 5.910  | 23914792 | 28027983 | 130.412  | 68.563 #  |
| 26)                         | L6 AR-1254-1    | 6.746  | 5.869  | 78764418 | 230.0E6  | 412.147  | 382.009   |
| 27)                         | L6 AR-1254-2    | 6.963  | 6.015  | 127.5E6  | 208.8E6  | 418.073  | 384.728   |
| 28)                         | L6 AR-1254-3    | 7.333  | 6.421  | 142.1E6  | 358.3E6  | 412.051  | 375.812   |
| 29)                         | L6 AR-1254-4    | 7.617  | 6.648  | 108.6E6  | 266.4E6  | 414.566  | 401.579   |
| 30)                         | L6 AR-1254-5    | 8.037  | 7.068  | 133.2E6  | 338.5E6  | 470.130  | 389.046   |
| 31)                         | L7 AR-1260-1    | 7.494  | 6.551  | 54303290 | 153.7E6  | 234.910  | 281.164   |
| 32)                         | L7 AR-1260-2    | 7.749  | 6.738  | 63457194 | 164.9E6  | 222.399  | 205.415   |
| 33)                         | L7 AR-1260-3    | 8.102  | 6.892  | 13560217 | 143.6E6  | 60.391   | 215.079 # |
| 34)                         | L7 AR-1260-4    | 8.341  | 7.365  | 45223489 | 15625476 | 174.651  | 27.835 #  |
| 35)                         | L7 AR-1260-5    | 8.685  | 7.605  | 19967626 | 42869945 | 35.749   | 25.467 #  |
| 36)                         | L8 AR-1262-1    | 8.171  | 7.068  | 3778007  | 338.5E6  | 26.266   | 684.377 # |
| 37)                         | L8 AR-1262-2    | 8.685  | 7.605  | 19967626 | 42869945 | 28.126   | 19.715 #  |
| 38)                         | L8 AR-1262-3    | 9.039  | 7.953f | 13423339 | 36722573 | 29.140   | 42.516 #  |
| 39)                         | L8 AR-1262-4    | 9.090  | 7.953  | 2949511  | 36722573 | 8.650    | 25.826 #  |
| 41)                         | L9 AR-1268-1    | 9.039  | 7.953f | 13423339 | 36722573 | 16.669   | 15.019    |
| 42)                         | L9 AR-1268-2    | 9.090  | 7.953  | 2949511  | 36722573 | 4.003    | 17.557 #  |
| 43)                         | L9 AR-1268-3    | 0.000  | 8.166  | 0        | 3125453  | N.D.     | 1.736 #   |
| 45)                         | L9 AR-1268-5    | 0.000  | 8.783  | 0        | 3643954  | N.D.     | 0.747 #   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR121919\  
Data File : PR044039.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Dec 2019 16:00  
Operator : SM\AJ  
Sample : AR1254CCC400  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_R  
ClientSampleId :

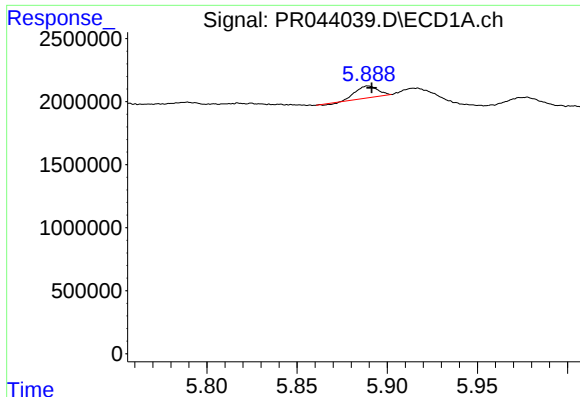
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 19 16:21:04 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR121519CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Mon Dec 16 06:15:17 2019  
Response via : Initial Calibration  
Integrator: 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.

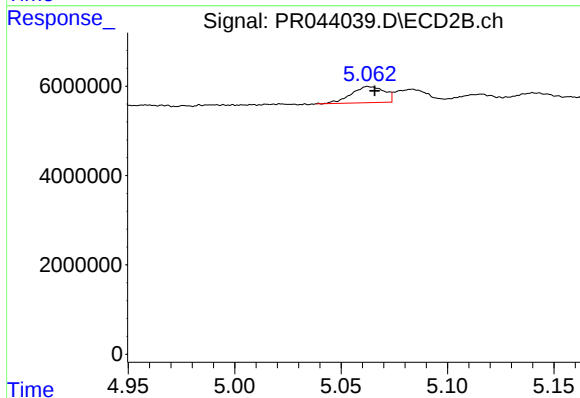




#3 AR-1016-1

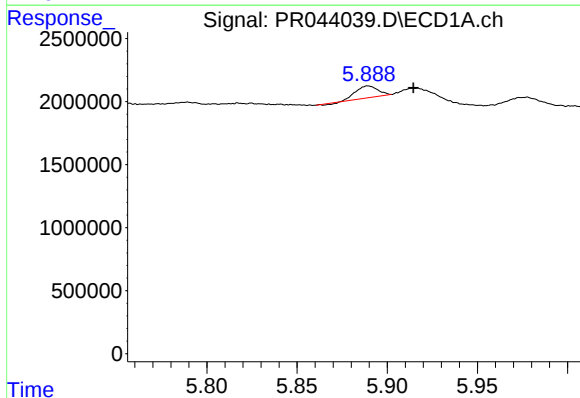
R.T.: 5.890 min  
Delta R.T.: -0.002 min  
Response: 773586  
Conc: 4.87 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



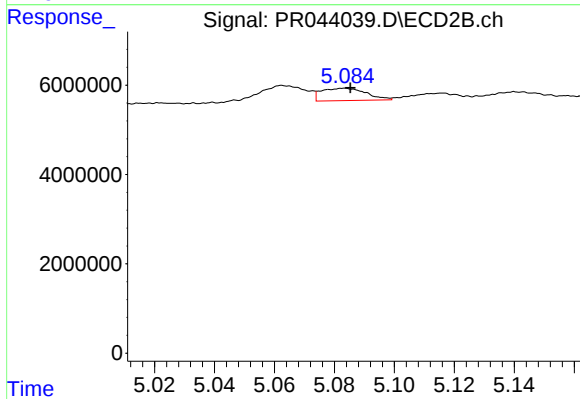
#3 AR-1016-1

R.T.: 5.063 min  
Delta R.T.: -0.003 min  
Response: 3897893  
Conc: 11.30 ng/ml



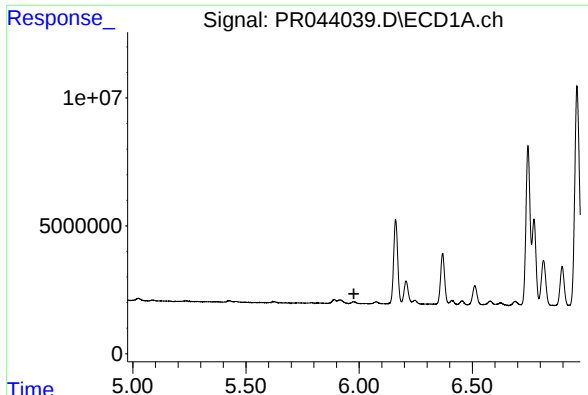
#4 AR-1016-2

R.T.: 5.890 min  
Delta R.T.: -0.025 min  
Response: 773586  
Conc: 3.40 ng/ml



#4 AR-1016-2

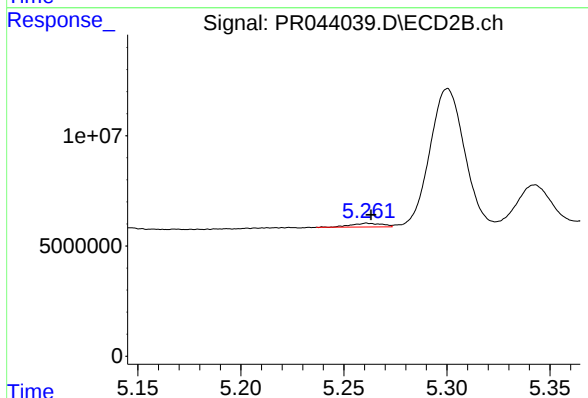
R.T.: 5.083 min  
Delta R.T.: -0.002 min  
Response: 2877862  
Conc: 5.98 ng/ml



#5 AR-1016-3

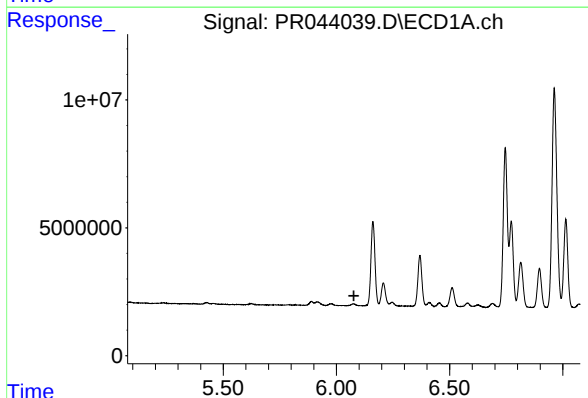
R.T.: 0.000 min  
Exp R.T.: 5.977 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



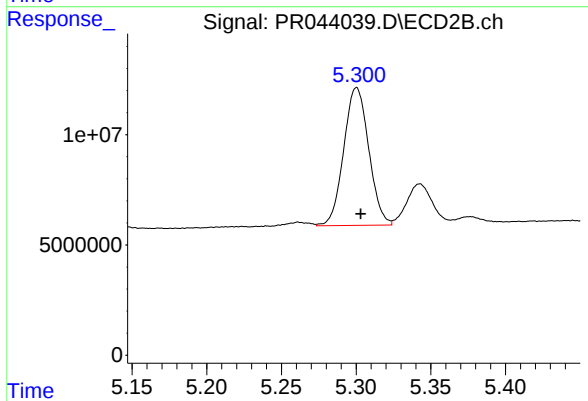
#5 AR-1016-3

R.T.: 5.261 min  
Delta R.T.: -0.002 min  
Response: 1755831  
Conc: 8.06 ng/ml



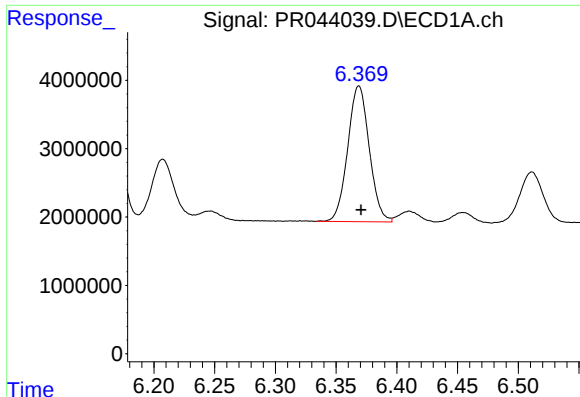
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 6.077 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

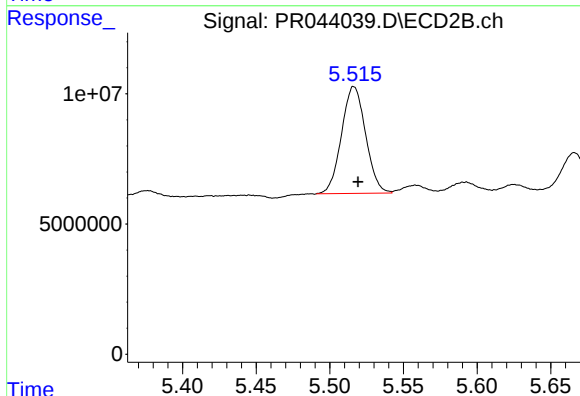
R.T.: 5.300 min  
Delta R.T.: -0.003 min  
Response: 72954464  
Conc: 404.09 ng/ml



#7 AR-1016-5

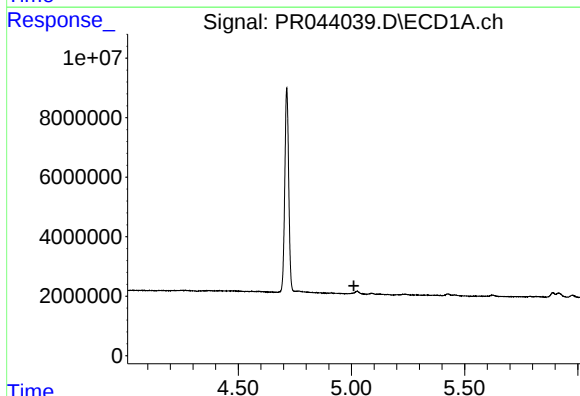
R.T.: 6.369 min  
Delta R.T.: -0.002 min  
Response: 24543018  
Conc: 217.24 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



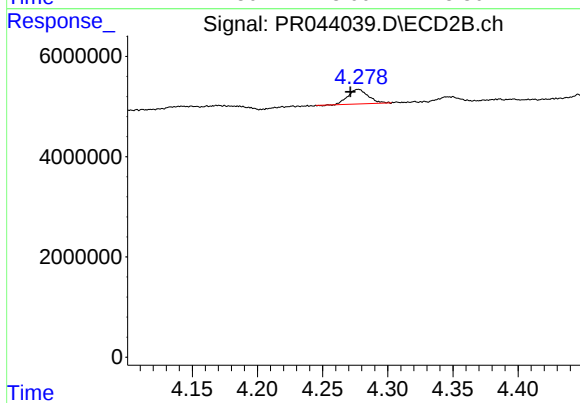
#7 AR-1016-5

R.T.: 5.516 min  
Delta R.T.: -0.003 min  
Response: 46803762  
Conc: 198.09 ng/ml



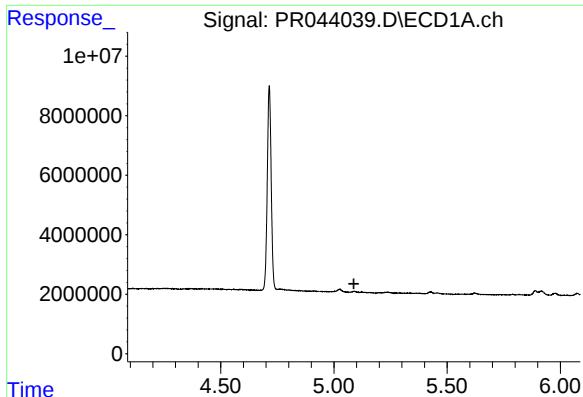
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T. : 5.011 min  
Response: 0  
Conc: N.D.



#9 AR-1221-2

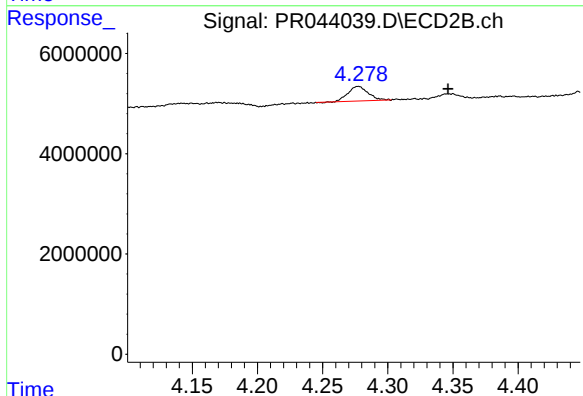
R.T.: 4.277 min  
Delta R.T.: 0.006 min  
Response: 3124605  
Conc: 38.30 ng/ml



#11 AR-1232-1

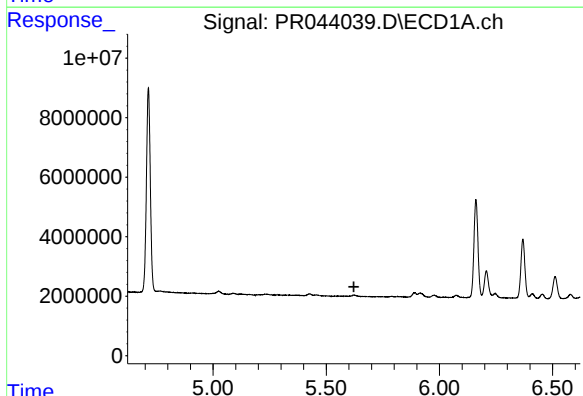
R.T.: 0.000 min  
Exp R.T.: 5.088 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



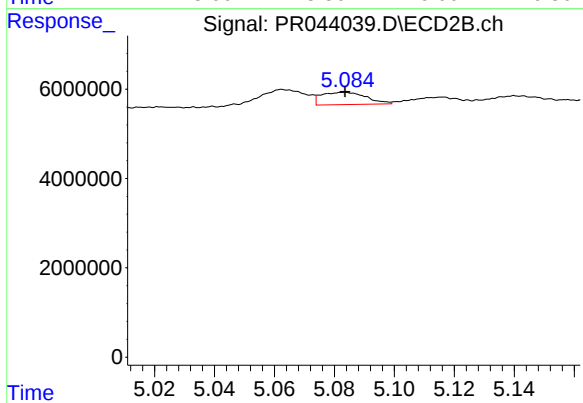
#11 AR-1232-1

R.T.: 4.277 min  
Delta R.T.: -0.069 min  
Response: 3124605  
Conc: 13.54 ng/ml



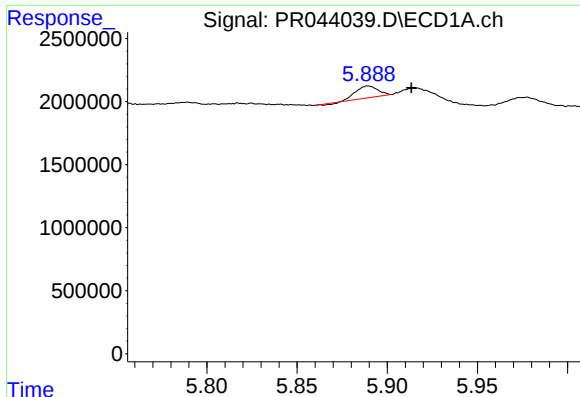
#12 AR-1232-2

R.T.: 0.000 min  
Exp R.T.: 5.622 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

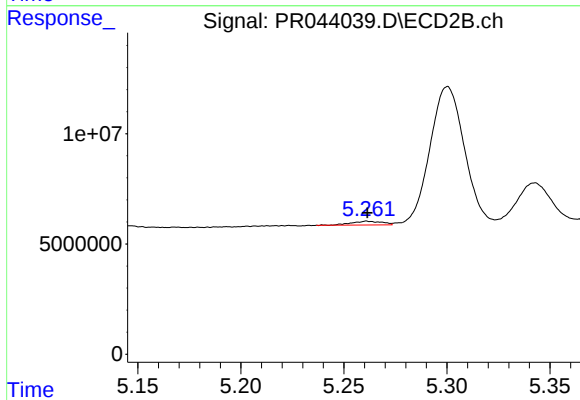
R.T.: 5.083 min  
Delta R.T.: 0.000 min  
Response: 2877862  
Conc: 13.22 ng/ml



#13 AR-1232-3

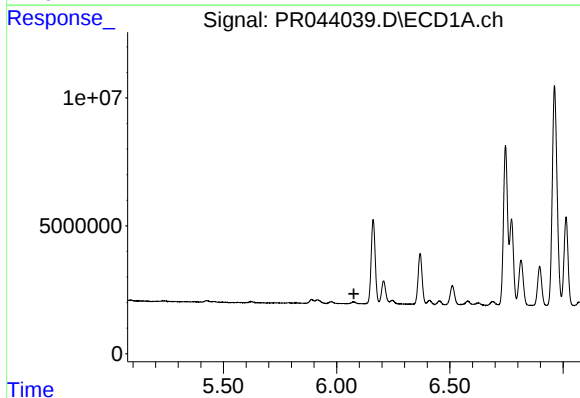
R.T.: 5.890 min  
Delta R.T.: -0.024 min  
Response: 773586  
Conc: 8.10 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



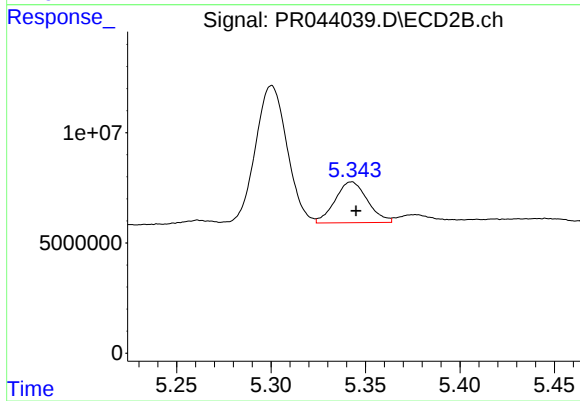
#13 AR-1232-3

R.T.: 5.261 min  
Delta R.T.: 0.000 min  
Response: 1755831  
Conc: 18.52 ng/ml



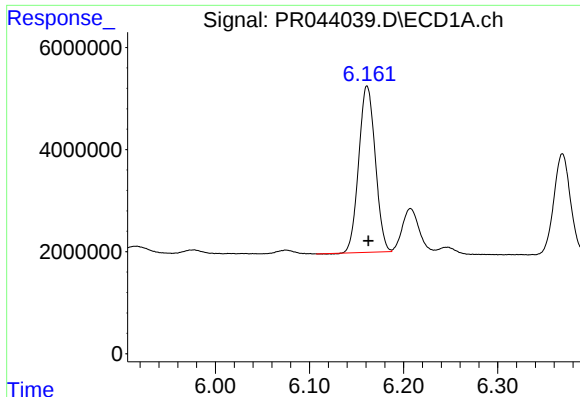
#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T. : 6.076 min  
Response: 0  
Conc: N.D.



#14 AR-1232-4

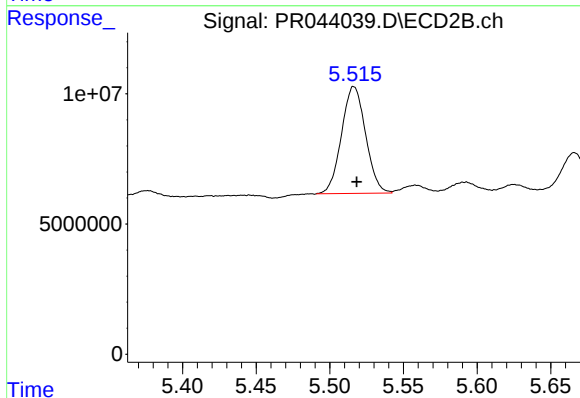
R.T.: 5.343 min  
Delta R.T.: -0.002 min  
Response: 22212560  
Conc: 256.53 ng/ml



#15 AR-1232-5

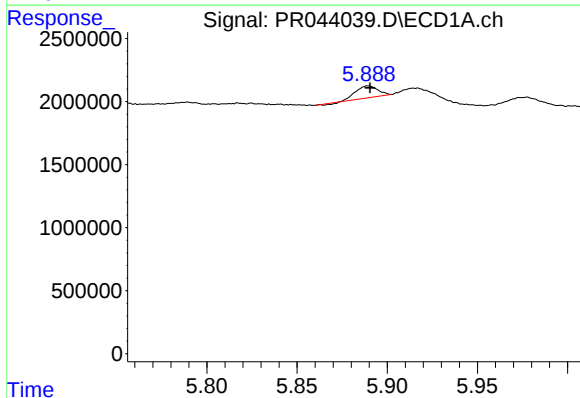
R.T.: 6.161 min  
Delta R.T.: -0.001 min  
Response: 39727515  
Conc: 1160.35 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



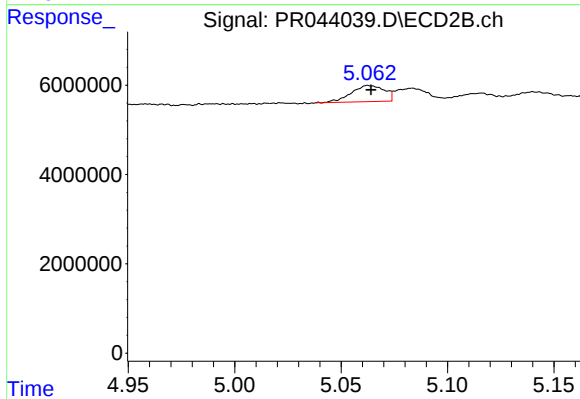
#15 AR-1232-5

R.T.: 5.516 min  
Delta R.T.: -0.002 min  
Response: 46803762  
Conc: 475.98 ng/ml



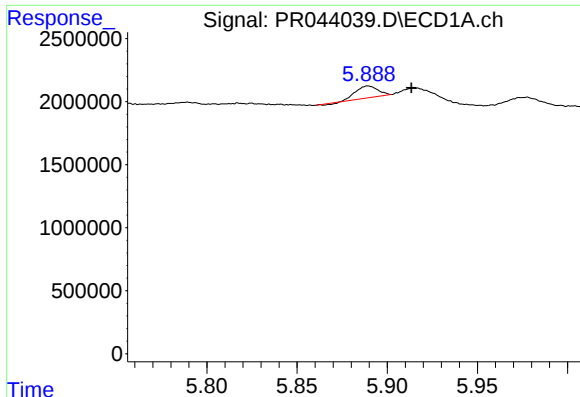
#16 AR-1242-1

R.T.: 5.890 min  
Delta R.T.: 0.000 min  
Response: 773586  
Conc: 6.11 ng/ml



#16 AR-1242-1

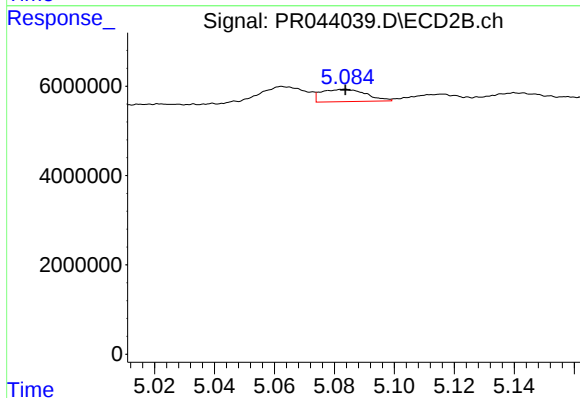
R.T.: 5.063 min  
Delta R.T.: 0.000 min  
Response: 3897893  
Conc: 13.55 ng/ml



#17 AR-1242-2

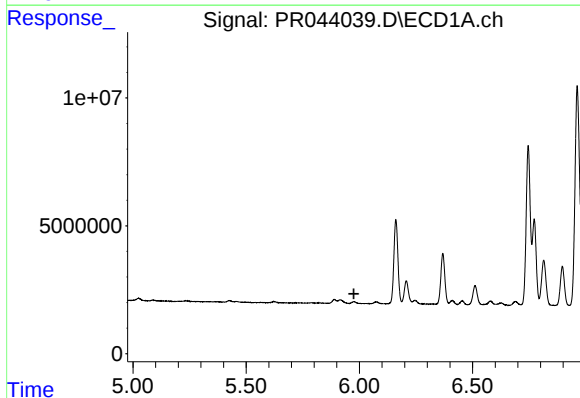
R.T.: 5.890 min  
Delta R.T.: -0.024 min  
Response: 773586  
Conc: 4.27 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



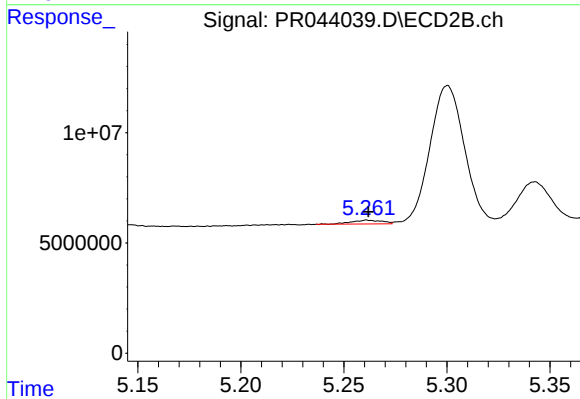
#17 AR-1242-2

R.T.: 5.083 min  
Delta R.T.: 0.000 min  
Response: 2877862  
Conc: 7.28 ng/ml



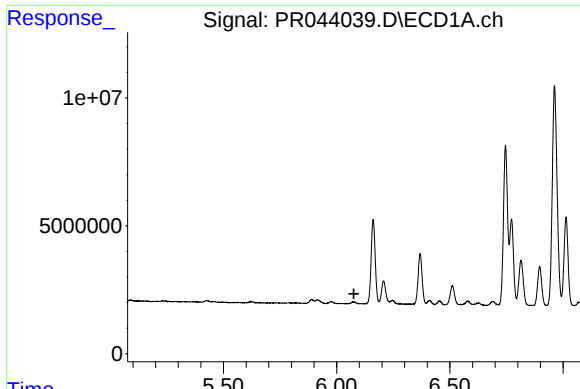
#18 AR-1242-3

R.T.: 0.000 min  
Exp R.T. : 5.976 min  
Response: 0  
Conc: N.D.



#18 AR-1242-3

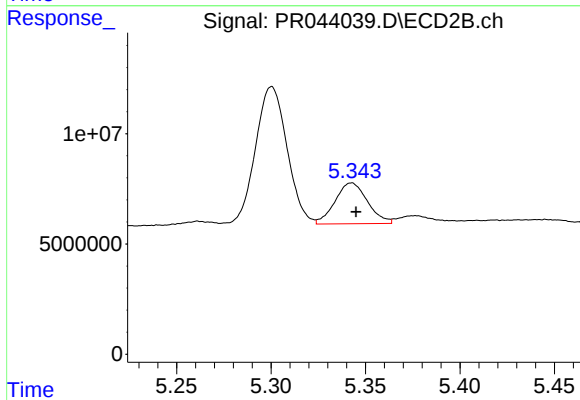
R.T.: 5.261 min  
Delta R.T.: 0.000 min  
Response: 1755831  
Conc: 9.24 ng/ml



#19 AR-1242-4

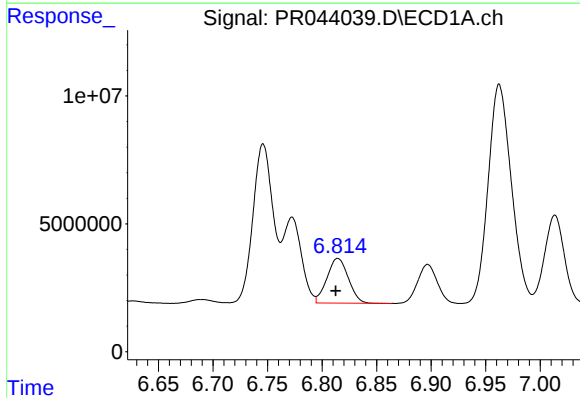
R.T.: 0.000 min  
Exp R.T.: 6.076 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



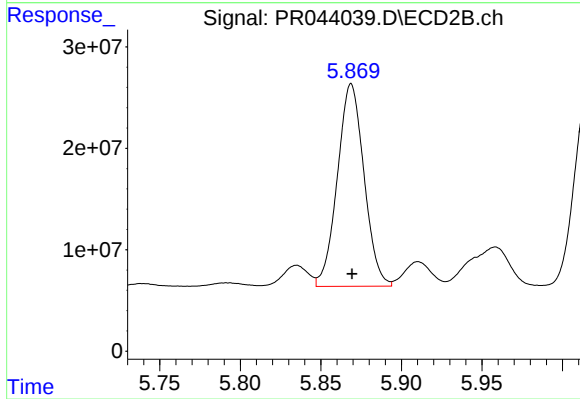
#19 AR-1242-4

R.T.: 5.343 min  
Delta R.T.: -0.002 min  
Response: 22212560  
Conc: 121.49 ng/ml



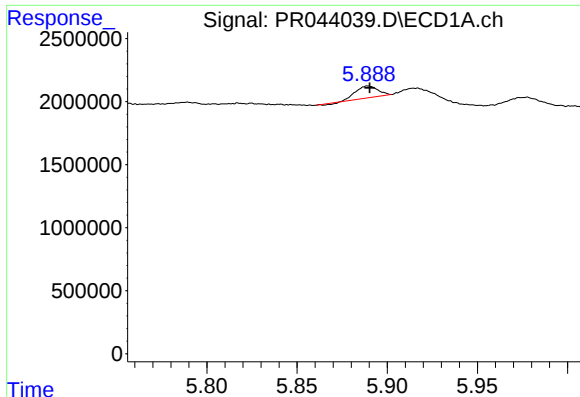
#20 AR-1242-5

R.T.: 6.815 min  
Delta R.T.: 0.002 min  
Response: 23914792  
Conc: 217.68 ng/ml



#20 AR-1242-5

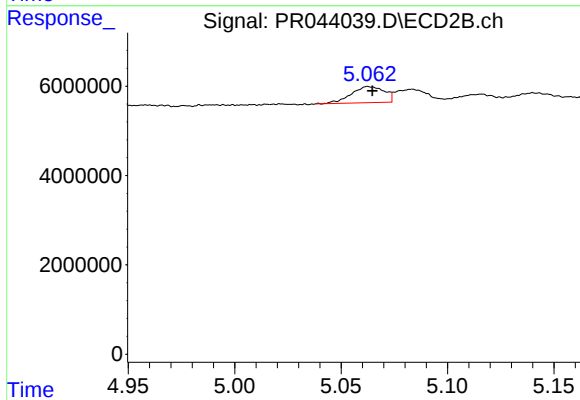
R.T.: 5.869 min  
Delta R.T.: 0.000 min  
Response: 230020293  
Conc: 775.42 ng/ml



#21 AR-1248-1

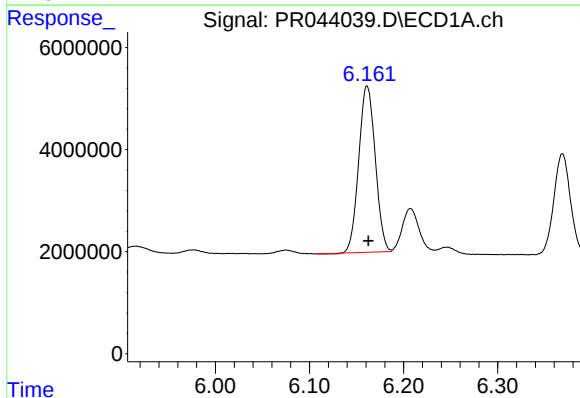
R.T.: 5.890 min  
Delta R.T.: 0.000 min  
Response: 773586  
Conc: 7.72 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



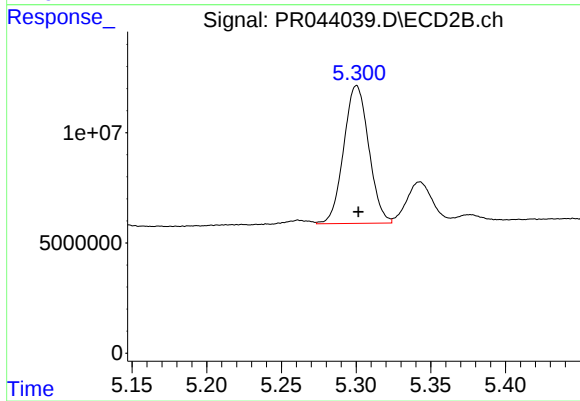
#21 AR-1248-1

R.T.: 5.063 min  
Delta R.T.: -0.002 min  
Response: 3897893  
Conc: 16.94 ng/ml



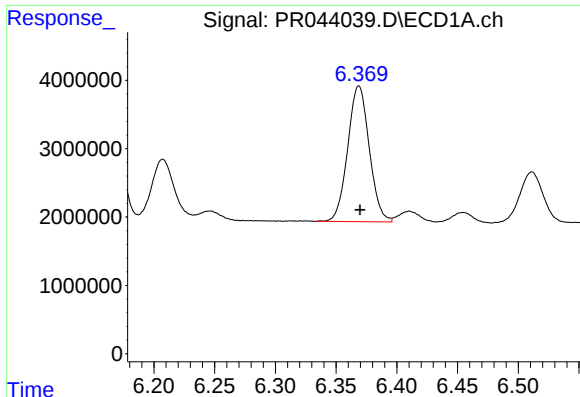
#22 AR-1248-2

R.T.: 6.161 min  
Delta R.T.: -0.001 min  
Response: 39727515  
Conc: 289.77 ng/ml



#22 AR-1248-2

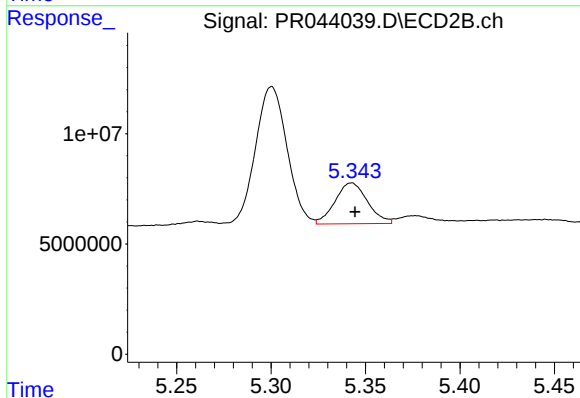
R.T.: 5.300 min  
Delta R.T.: -0.001 min  
Response: 72954464  
Conc: 278.82 ng/ml



#23 AR-1248-3

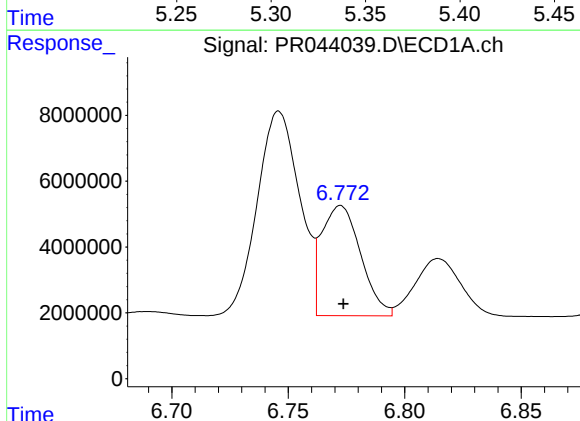
R.T.: 6.369 min  
Delta R.T.: -0.001 min  
Response: 24543018  
Conc: 155.25 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



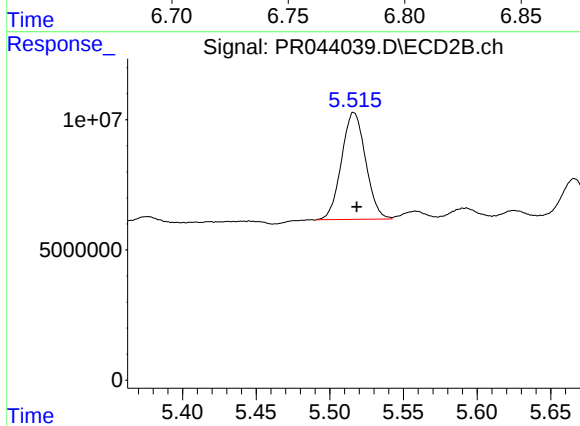
#23 AR-1248-3

R.T.: 5.343 min  
Delta R.T.: -0.002 min  
Response: 22212560  
Conc: 83.90 ng/ml



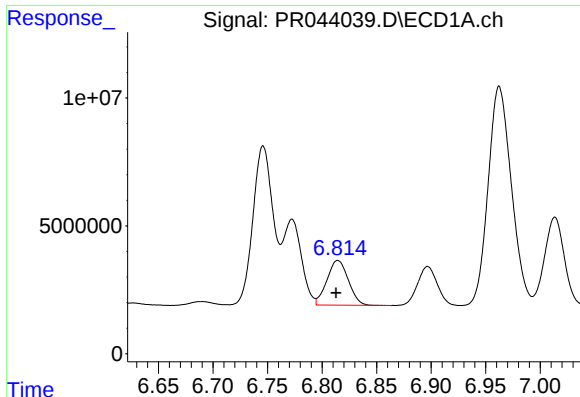
#24 AR-1248-4

R.T.: 6.772 min  
Delta R.T.: -0.001 min  
Response: 39061386  
Conc: 201.16 ng/ml



#24 AR-1248-4

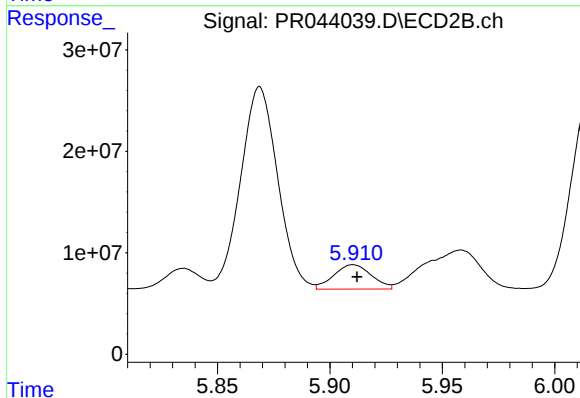
R.T.: 5.516 min  
Delta R.T.: -0.002 min  
Response: 46803762  
Conc: 140.65 ng/ml



#25 AR-1248-5

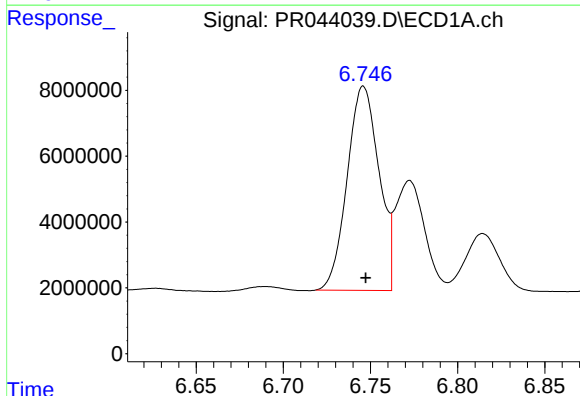
R.T.: 6.815 min  
Delta R.T.: 0.002 min  
Response: 23914792  
Conc: 130.41 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



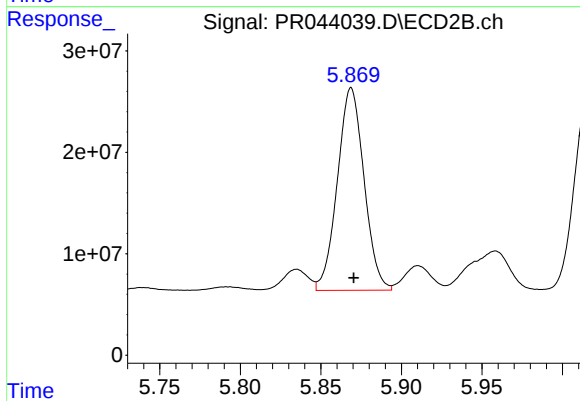
#25 AR-1248-5

R.T.: 5.910 min  
Delta R.T.: -0.002 min  
Response: 28027983  
Conc: 68.56 ng/ml



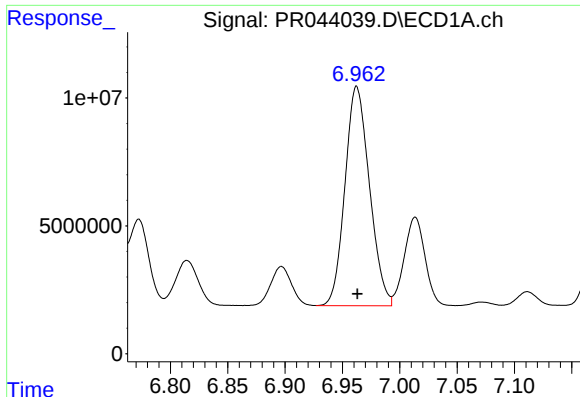
#26 AR-1254-1

R.T.: 6.746 min  
Delta R.T.: -0.001 min  
Response: 78764418  
Conc: 412.15 ng/ml



#26 AR-1254-1

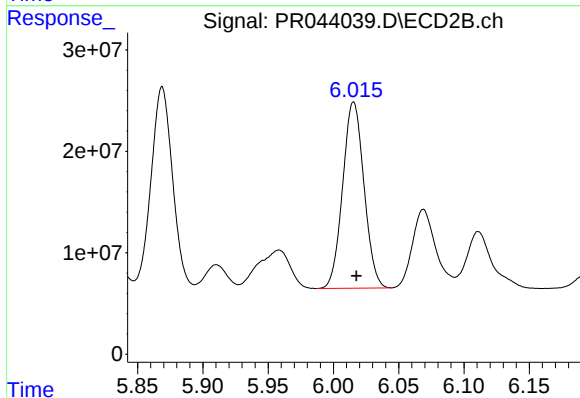
R.T.: 5.869 min  
Delta R.T.: -0.002 min  
Response: 230020293  
Conc: 382.01 ng/ml



#27 AR-1254-2

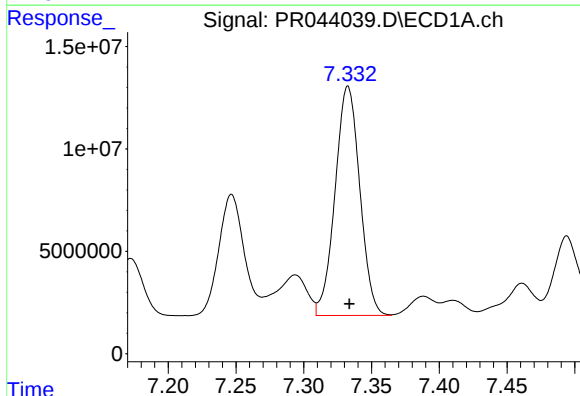
R.T.: 6.963 min  
Delta R.T.: 0.000 min  
Response: 127457573  
Conc: 418.07 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



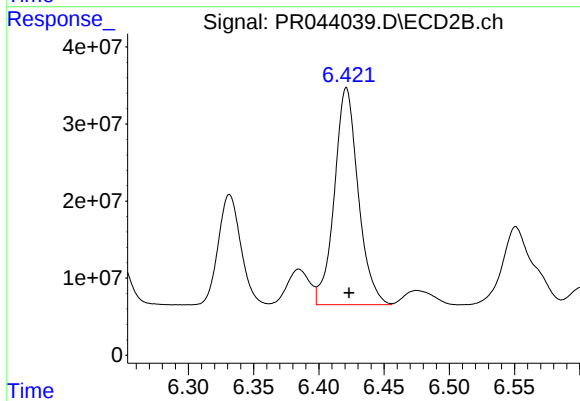
#27 AR-1254-2

R.T.: 6.015 min  
Delta R.T.: -0.002 min  
Response: 208778995  
Conc: 384.73 ng/ml



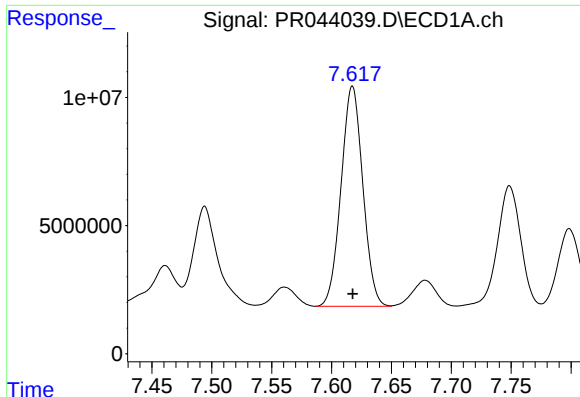
#28 AR-1254-3

R.T.: 7.333 min  
Delta R.T.: -0.001 min  
Response: 142095436  
Conc: 412.05 ng/ml



#28 AR-1254-3

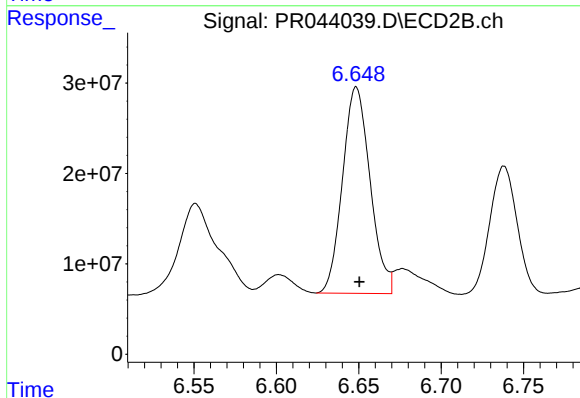
R.T.: 6.421 min  
Delta R.T.: -0.002 min  
Response: 358302106  
Conc: 375.81 ng/ml



#29 AR-1254-4

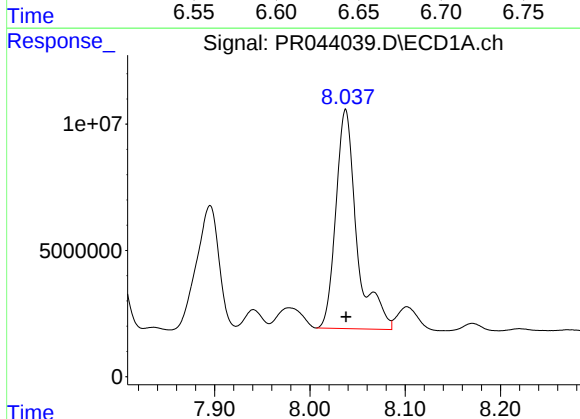
R.T.: 7.617 min  
Delta R.T.: 0.000 min  
Response: 108608013  
Conc: 414.57 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



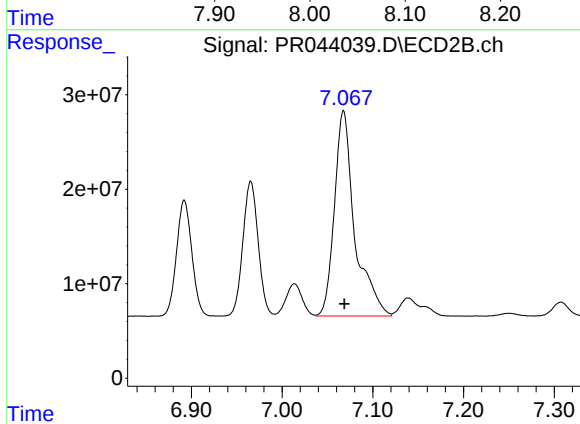
#29 AR-1254-4

R.T.: 6.648 min  
Delta R.T.: -0.002 min  
Response: 266357138  
Conc: 401.58 ng/ml



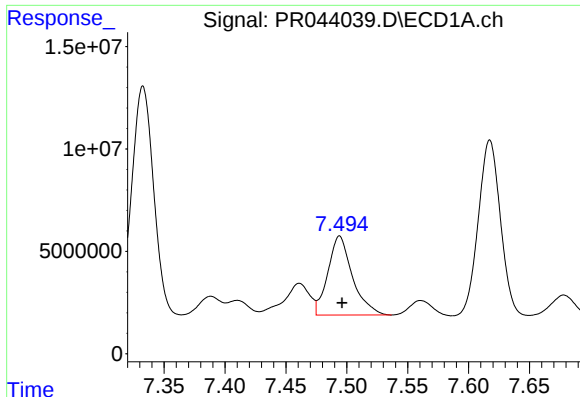
#30 AR-1254-5

R.T.: 8.037 min  
Delta R.T.: 0.000 min  
Response: 133226091  
Conc: 470.13 ng/ml



#30 AR-1254-5

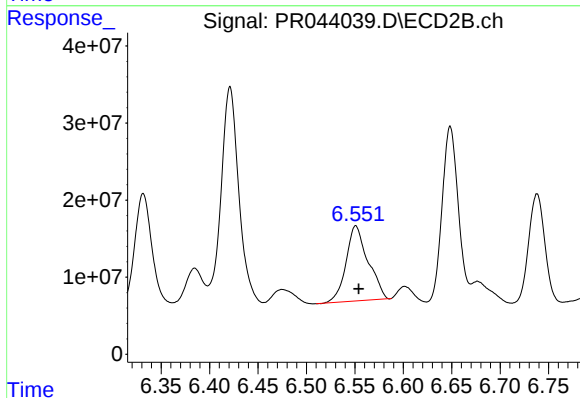
R.T.: 7.068 min  
Delta R.T.: -0.001 min  
Response: 338548721  
Conc: 389.05 ng/ml



#31 AR-1260-1

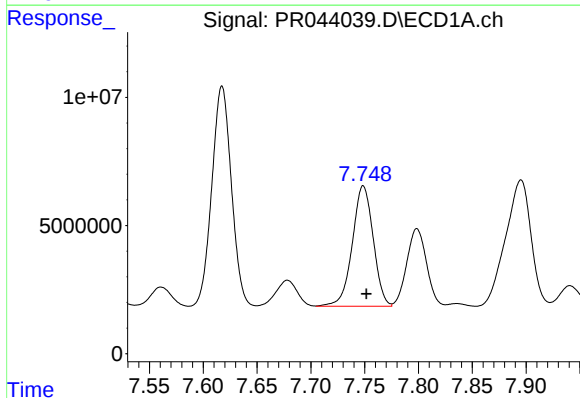
R.T.: 7.494 min  
Delta R.T.: -0.002 min  
Response: 54303290  
Conc: 234.91 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



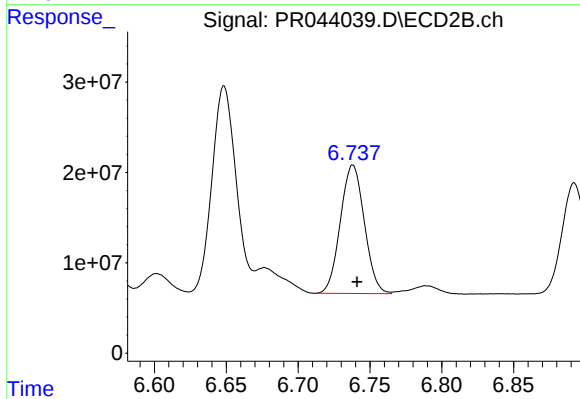
#31 AR-1260-1

R.T.: 6.551 min  
Delta R.T.: -0.003 min  
Response: 153655100  
Conc: 281.16 ng/ml



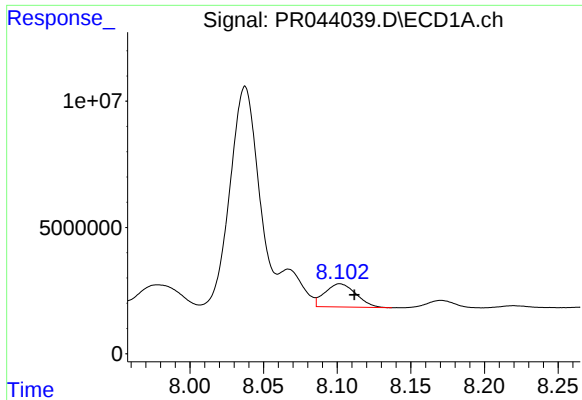
#32 AR-1260-2

R.T.: 7.749 min  
Delta R.T.: -0.003 min  
Response: 63457194  
Conc: 222.40 ng/ml



#32 AR-1260-2

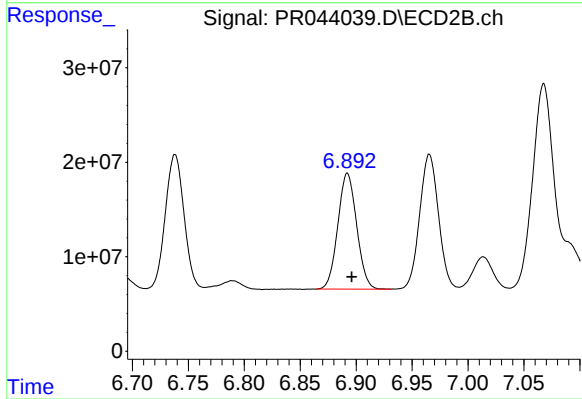
R.T.: 6.738 min  
Delta R.T.: -0.003 min  
Response: 164852974  
Conc: 205.41 ng/ml



#33 AR-1260-3

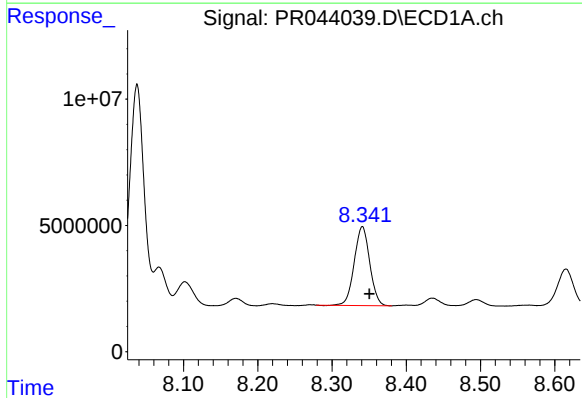
R.T.: 8.102 min  
Delta R.T.: -0.010 min  
Response: 13560217  
Conc: 60.39 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



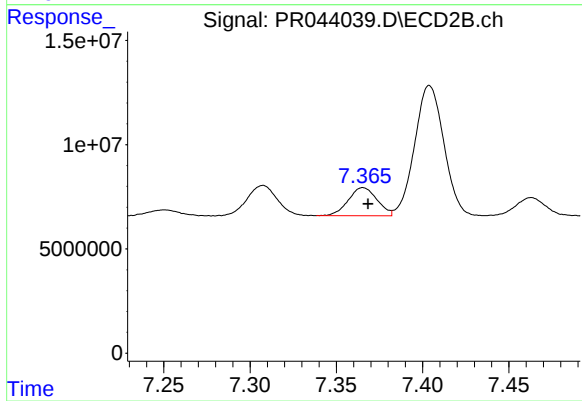
#33 AR-1260-3

R.T.: 6.892 min  
Delta R.T.: -0.004 min  
Response: 143642455  
Conc: 215.08 ng/ml



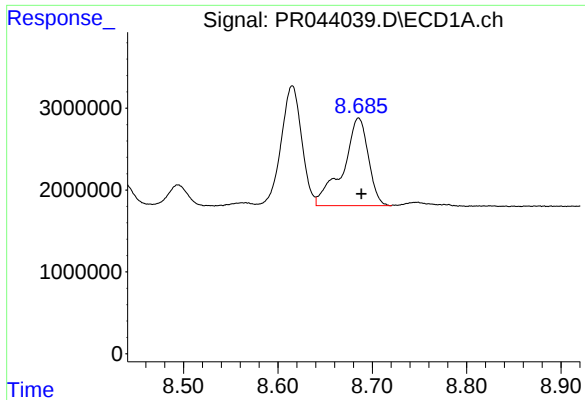
#34 AR-1260-4

R.T.: 8.341 min  
Delta R.T.: -0.009 min  
Response: 45223489  
Conc: 174.65 ng/ml



#34 AR-1260-4

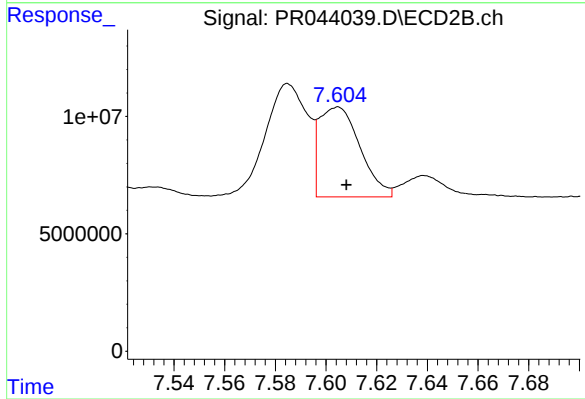
R.T.: 7.365 min  
Delta R.T.: -0.003 min  
Response: 15625476  
Conc: 27.83 ng/ml



#35 AR-1260-5

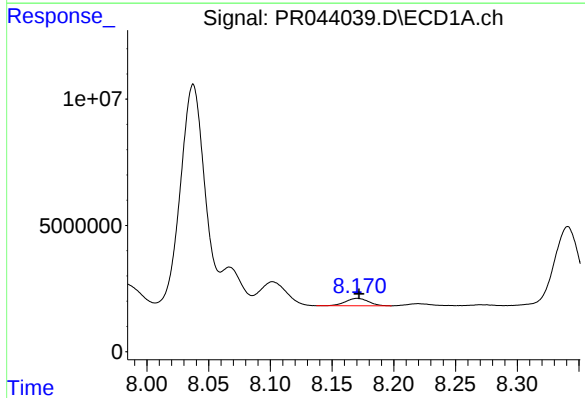
R.T.: 8.685 min  
Delta R.T.: -0.003 min  
Response: 19967626  
Conc: 35.75 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



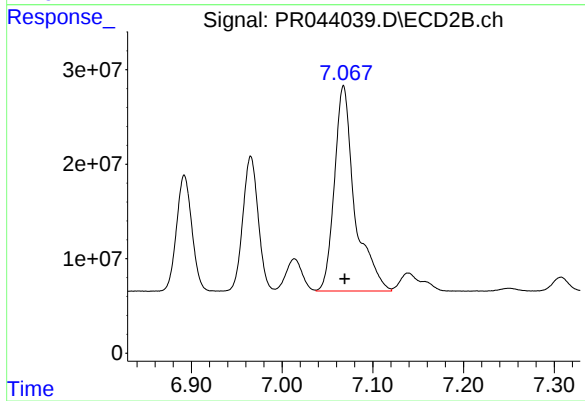
#35 AR-1260-5

R.T.: 7.605 min  
Delta R.T.: -0.004 min  
Response: 42869945  
Conc: 25.47 ng/ml



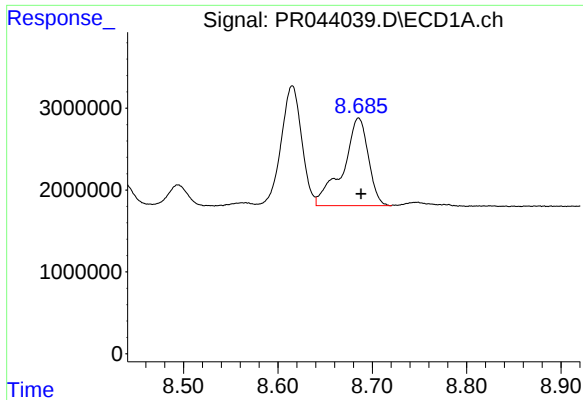
#36 AR-1262-1

R.T.: 8.171 min  
Delta R.T.: -0.001 min  
Response: 3778007  
Conc: 26.27 ng/ml



#36 AR-1262-1

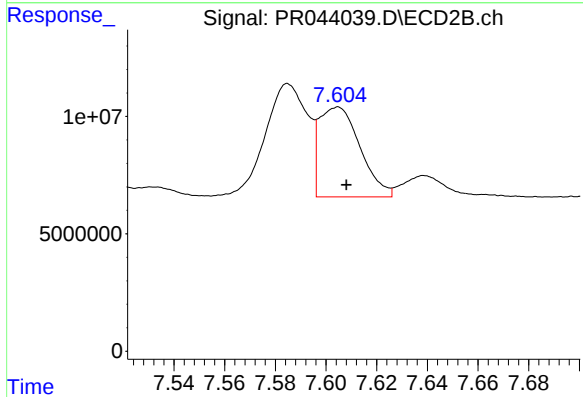
R.T.: 7.068 min  
Delta R.T.: -0.001 min  
Response: 338548721  
Conc: 684.38 ng/ml



#37 AR-1262-2

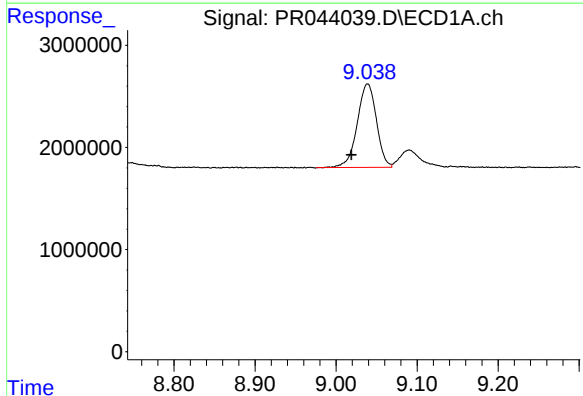
R.T.: 8.685 min  
Delta R.T.: -0.003 min  
Response: 19967626  
Conc: 28.13 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



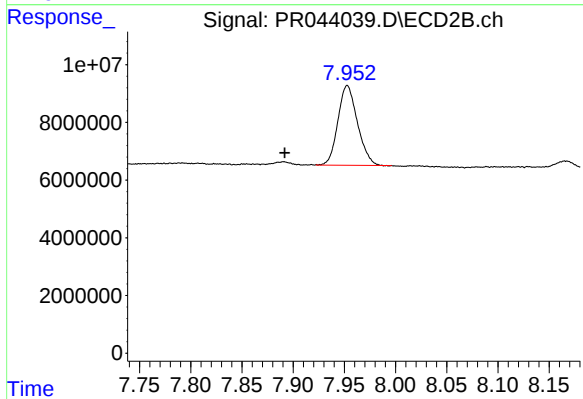
#37 AR-1262-2

R.T.: 7.605 min  
Delta R.T.: -0.003 min  
Response: 42869945  
Conc: 19.72 ng/ml



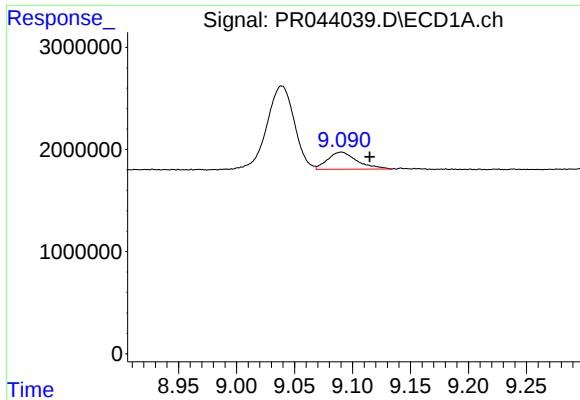
#38 AR-1262-3

R.T.: 9.039 min  
Delta R.T.: 0.020 min  
Response: 13423339  
Conc: 29.14 ng/ml



#38 AR-1262-3

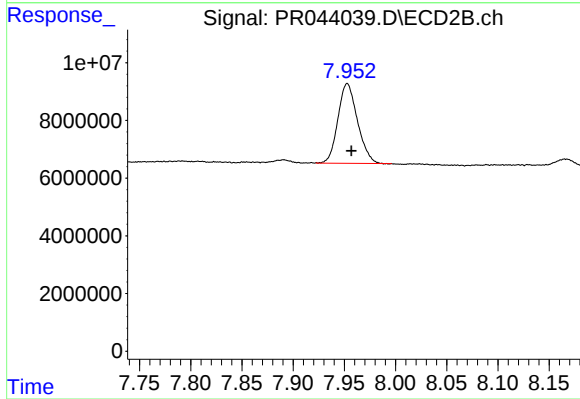
R.T.: 7.953 min  
Delta R.T.: 0.061 min  
Response: 36722573  
Conc: 42.52 ng/ml



#39 AR-1262-4

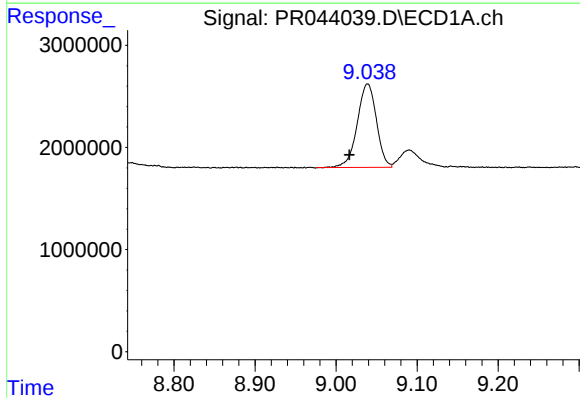
R.T.: 9.090 min  
Delta R.T.: -0.025 min  
Response: 2949511  
Conc: 8.65 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



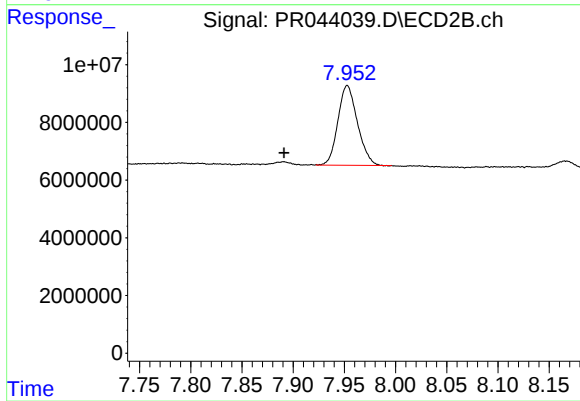
#39 AR-1262-4

R.T.: 7.953 min  
Delta R.T.: -0.004 min  
Response: 36722573  
Conc: 25.83 ng/ml



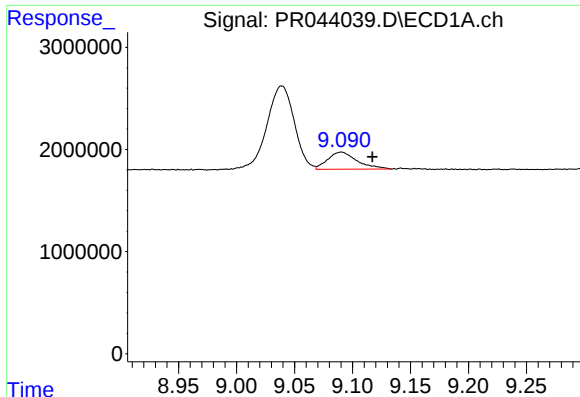
#41 AR-1268-1

R.T.: 9.039 min  
Delta R.T.: 0.022 min  
Response: 13423339  
Conc: 16.67 ng/ml



#41 AR-1268-1

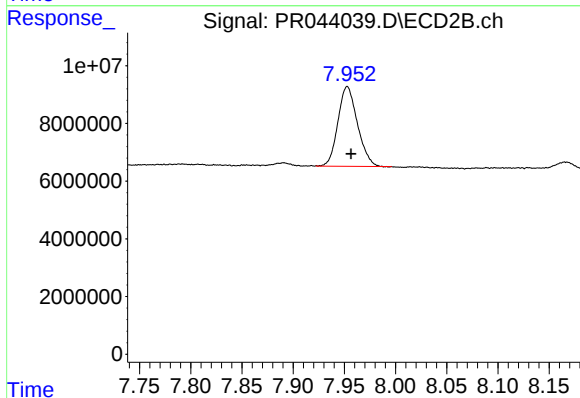
R.T.: 7.953 min  
Delta R.T.: 0.062 min  
Response: 36722573  
Conc: 15.02 ng/ml



#42 AR-1268-2

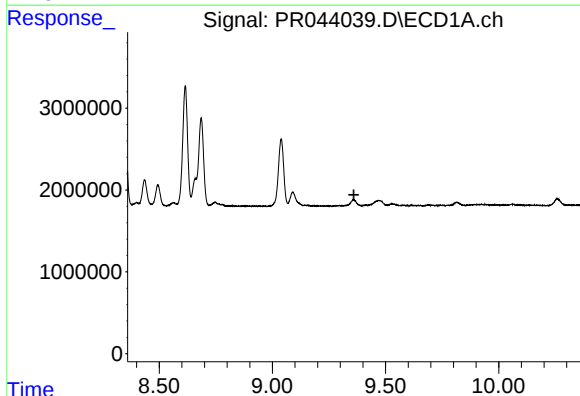
R.T.: 9.090 min  
Delta R.T.: -0.027 min  
Response: 2949511  
Conc: 4.00 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



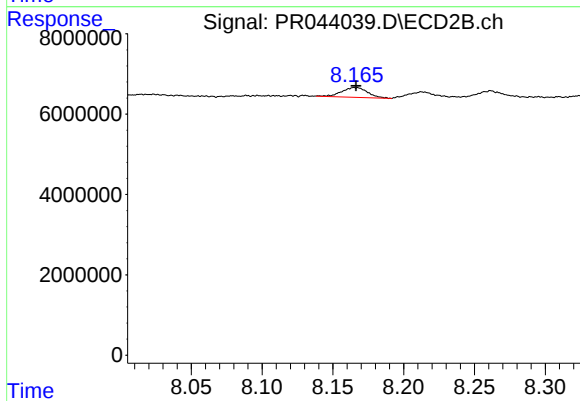
#42 AR-1268-2

R.T.: 7.953 min  
Delta R.T.: -0.004 min  
Response: 36722573  
Conc: 17.56 ng/ml



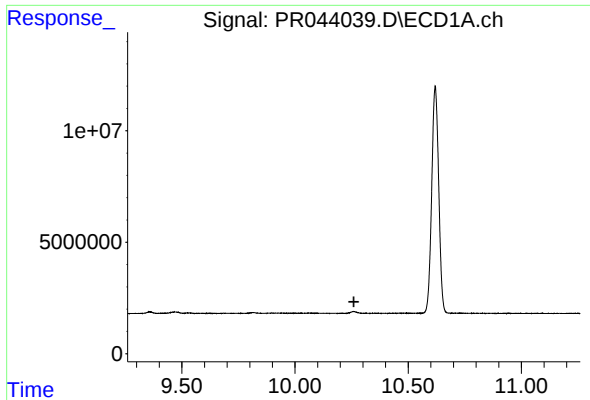
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T. : 9.360 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

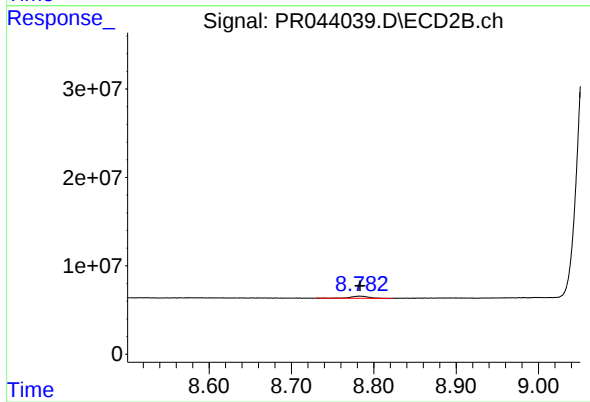
R.T.: 8.166 min  
Delta R.T.: 0.000 min  
Response: 3125453  
Conc: 1.74 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 10.260 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :



#45 AR-1268-5

R.T.: 8.783 min  
Delta R.T.: 0.000 min  
Response: 3643954  
Conc: 0.75 ng/ml