

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR021919\  
 Data File : PR035665.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2019 04:25  
 Operator : SM\SJ  
 Sample : K1493-12 5X  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 20 06:07:06 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR021919CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Feb 20 02:45:09 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... | 4.432  | 3.508  | 2369640  | 6755976  | 2.662   | 3.492 #  |
| 2)                          | SA Decachlor... | 10.103 | 8.382  | 6884885  | 19824972 | 3.362   | 3.461    |
| Target Compounds            |                 |        |        |          |          |         |          |
| 3)                          | L1 AR-1016-1    | 5.653f | 0.000  | 535078   | 0        | 7.925   | N.D. #   |
| 4)                          | L1 AR-1016-2    | 5.653f | 0.000  | 535078   | 0        | 4.906   | N.D. #   |
| 5)                          | L1 AR-1016-3    | 5.673  | 0.000  | 185307   | 0        | 2.779   | N.D. #   |
| 7)                          | L1 AR-1016-5    | 6.013f | 0.000  | 1023450  | 0        | 17.250  | N.D. #   |
| 12)                         | L3 AR-1232-2    | 5.306  | 0.000  | 1798973  | 0        | 106.727 | N.D. #   |
| 13)                         | L3 AR-1232-3    | 5.653f | 0.000  | 535078   | 0        | 16.021  | N.D. #   |
| 15)                         | L3 AR-1232-5    | 5.907f | 0.000  | 309049   | 0        | 19.586  | N.D. #   |
| 16)                         | L4 AR-1242-1    | 5.653f | 0.000  | 535078   | 0        | 13.164  | N.D. #   |
| 17)                         | L4 AR-1242-2    | 5.653f | 0.000  | 535078   | 0        | 8.377   | N.D. #   |
| 18)                         | L4 AR-1242-3    | 5.673  | 0.000  | 185307   | 0        | 4.662   | N.D. #   |
| 20)                         | L4 AR-1242-5    | 6.510  | 5.344  | 1999094  | 4000612  | 45.337  | 32.832 # |
| 21)                         | L5 AR-1248-1    | 5.653f | 0.000  | 535078   | 0        | 19.732  | N.D. #   |
| 22)                         | L5 AR-1248-2    | 5.907f | 0.000  | 309049   | 0        | 7.114   | N.D. #   |
| 23)                         | L5 AR-1248-3    | 6.013f | 0.000  | 1023450  | 0        | 20.034  | N.D. #   |
| 24)                         | L5 AR-1248-4    | 6.484  | 0.000  | 1279716  | 0        | 19.517  | N.D. #   |
| 25)                         | L5 AR-1248-5    | 6.510  | 5.344f | 1999094  | 4000612  | 31.320  | 26.820   |
| 26)                         | L6 AR-1254-1    | 6.439  | 5.344  | 1986279  | 4000612  | 32.954  | 18.135 # |
| 27)                         | L6 AR-1254-2    | 6.654  | 5.487  | 3398699  | 5167422  | 33.777  | 26.160   |
| 28)                         | L6 AR-1254-3    | 7.017  | 5.895  | 2804869  | 9588038  | 23.972  | 26.977   |
| 29)                         | L6 AR-1254-4    | 7.302  | 6.106  | 12841792 | 6915108  | 143.170 | 26.756 # |
| 30)                         | L6 AR-1254-5    | 7.720  | 6.516  | 7445287  | 10863361 | 71.393  | 30.159 # |
| 31)                         | L7 AR-1260-1    | 7.182  | 6.009  | 3966742  | 10300553 | 25.965  | 25.774   |
| 32)                         | L7 AR-1260-2    | 7.437  | 6.194  | 3933552  | 12388123 | 20.751  | 21.786   |
| 33)                         | L7 AR-1260-3    | 7.720  | 6.344  | 7445287  | 9193401  | 29.074  | 18.680 # |
| 34)                         | L7 AR-1260-4    | 8.020  | 6.808  | 8042903  | 9672270  | 47.305  | 22.690 # |
| 35)                         | L7 AR-1260-5    | 8.335  | 7.049  | 6085550  | 17427323 | 17.311  | 13.990   |
| 36)                         | L8 AR-1262-1    | 7.793  | 6.553  | 4128862  | 9509702  | 29.932  | 19.942 # |
| 37)                         | L8 AR-1262-2    | 8.335  | 7.049  | 6085550  | 17427323 | 24.108  | 19.468   |
| 38)                         | L8 AR-1262-3    | 8.658  | 7.326  | 3724445  | 3723328  | 21.124  | 9.551 #  |
| 39)                         | L8 AR-1262-4    | 8.712  | 7.389  | 3673587  | 14030232 | 27.792  | 21.722   |
| 40)                         | L8 AR-1262-5    | 9.375  | 7.881  | 1657686  | 4102127  | 17.798  | 13.086 # |
| 41)                         | L9 AR-1268-1    | 8.658  | 7.326  | 3724445  | 3723328  | 7.819   | 2.038 #  |
| 42)                         | L9 AR-1268-2    | 8.712  | 7.389  | 3673587  | 14030232 | 8.615   | 8.812    |
| 43)                         | L9 AR-1268-3    | 0.000  | 7.594  | 0        | 3318750  | N.D.    | 2.395 #  |
| 44)                         | L9 AR-1268-4    | 9.375  | 7.881  | 1657686  | 4102127  | 10.326  | 7.461 #  |
| 45)                         | L9 AR-1268-5    | 0.000  | 8.151  | 0        | 5491526  | N.D.    | 1.331 #  |
| -----                       |                 |        |        |          |          |         |          |

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

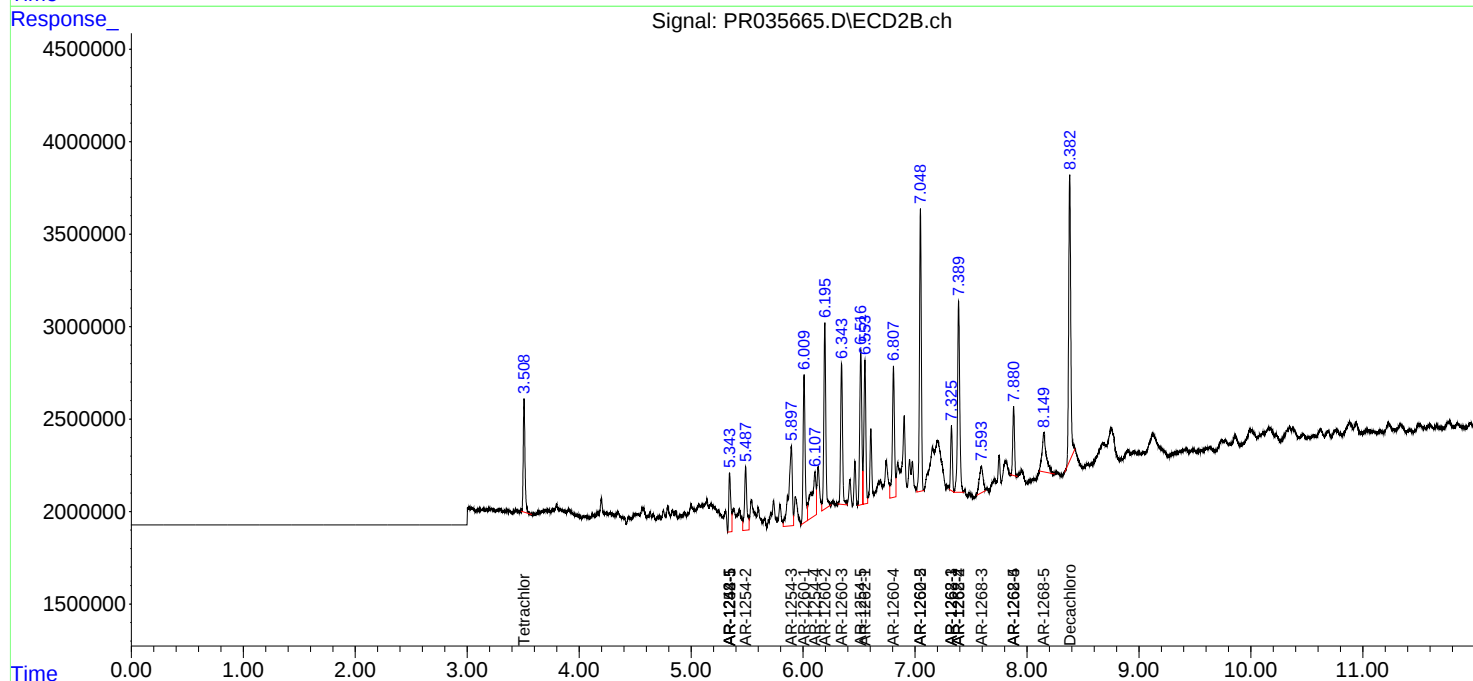
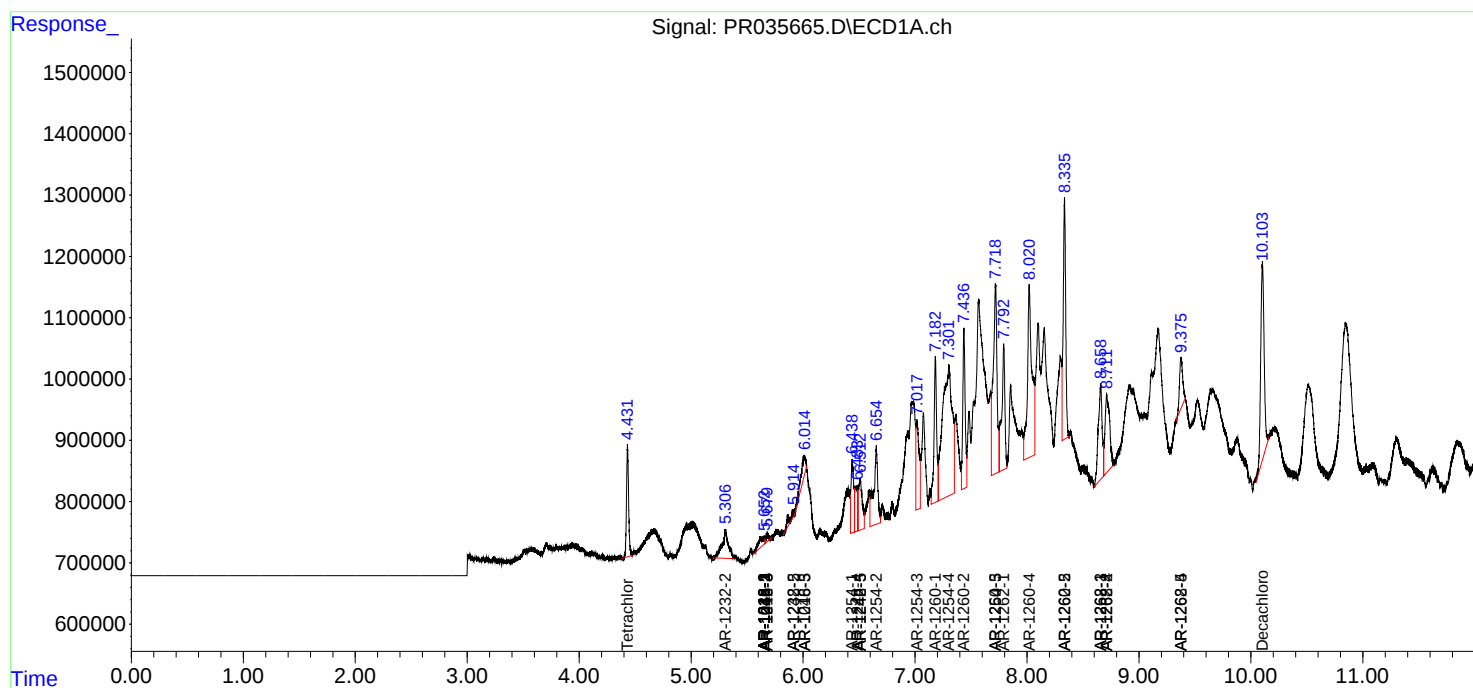
Instrument :  
ECD\_R  
ClientSampleId :

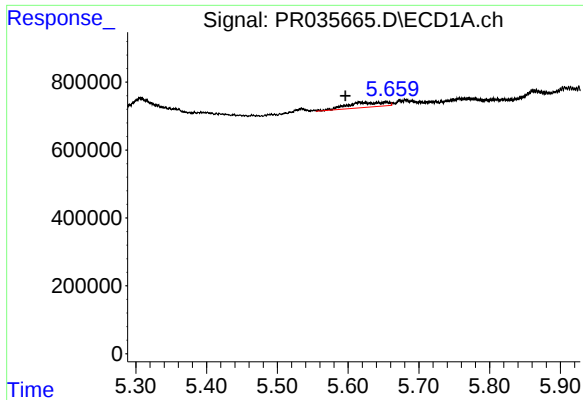
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR021919\  
Data File : PR035665.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2019 04:25  
Operator : SM\SJ  
Sample : K1493-12 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
ECD\_R  
ClientSampled :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 20 06:07:06 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR021919CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Feb 20 02:45:09 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

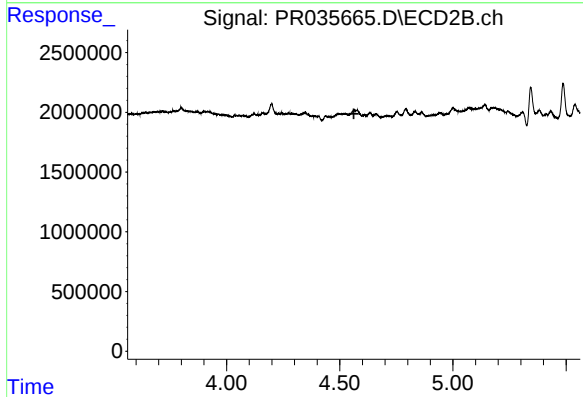




#3 AR-1016-1

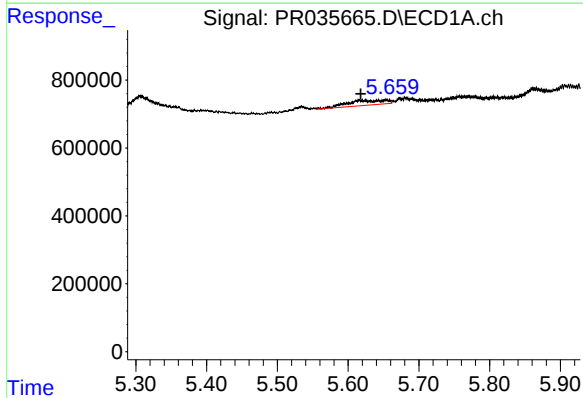
R.T.: 5.653 min  
Delta R.T.: 0.057 min  
Response: 535078  
Conc: 7.92 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



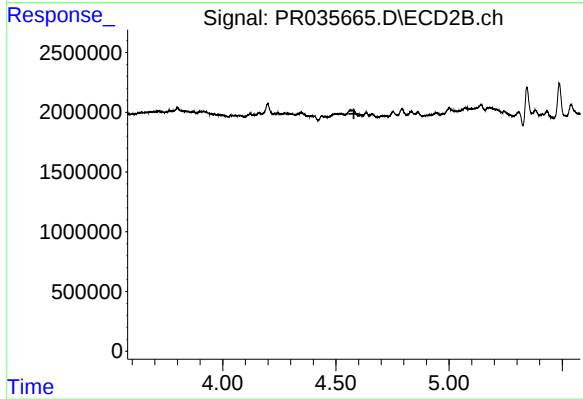
#3 AR-1016-1

R.T.: 0.000 min  
Exp R.T. : 4.562 min  
Response: 0  
Conc: N.D.



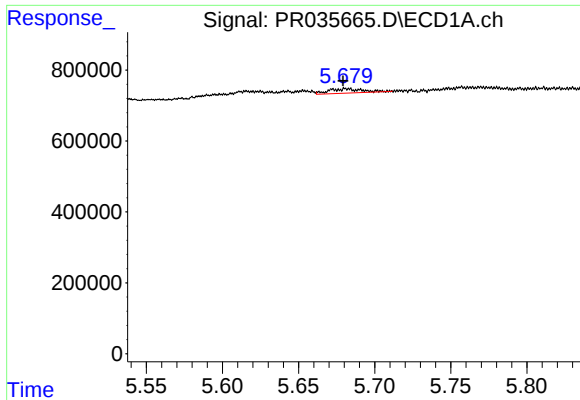
#4 AR-1016-2

R.T.: 5.653 min  
Delta R.T.: 0.036 min  
Response: 535078  
Conc: 4.91 ng/ml



#4 AR-1016-2

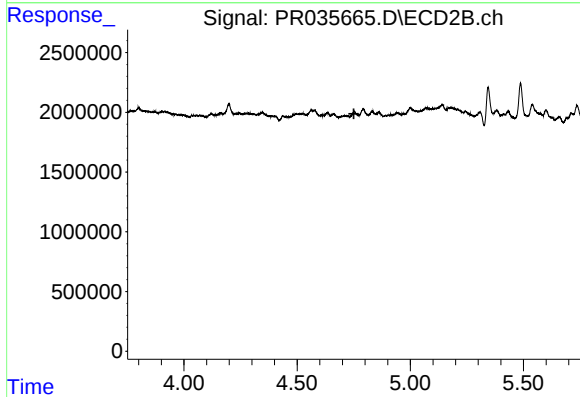
R.T.: 0.000 min  
Exp R.T. : 4.580 min  
Response: 0  
Conc: N.D.



#5 AR-1016-3

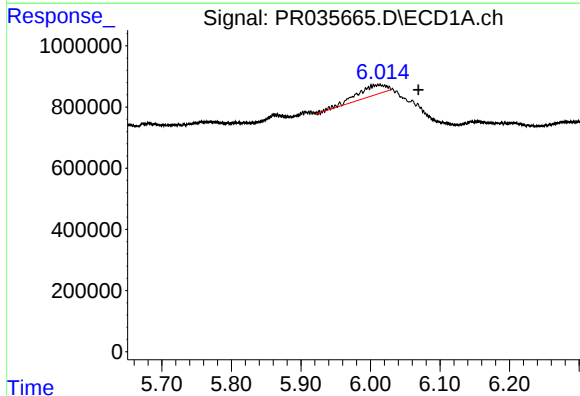
R.T.: 5.673 min  
Delta R.T.: -0.007 min  
Response: 185307  
Conc: 2.78 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



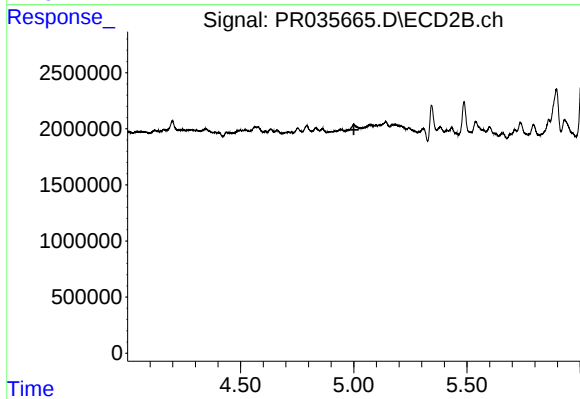
#5 AR-1016-3

R.T.: 0.000 min  
Exp R.T. : 4.751 min  
Response: 0  
Conc: N.D.



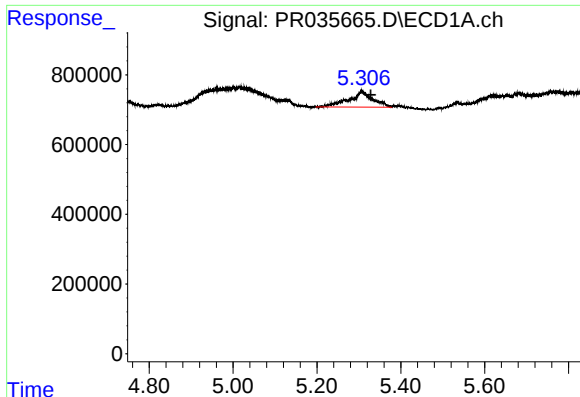
#7 AR-1016-5

R.T.: 6.013 min  
Delta R.T.: -0.056 min  
Response: 1023450  
Conc: 17.25 ng/ml



#7 AR-1016-5

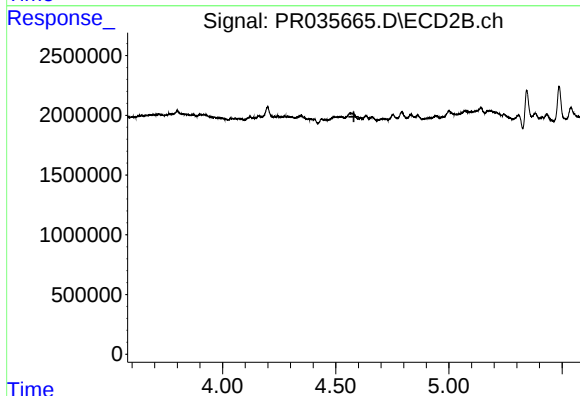
R.T.: 0.000 min  
Exp R.T. : 5.000 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

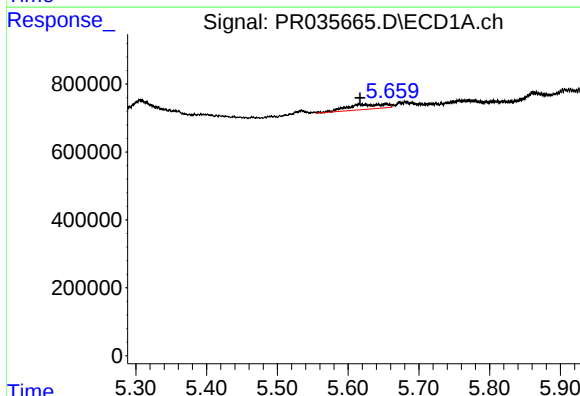
R.T.: 5.306 min  
Delta R.T.: -0.022 min  
Response: 1798973  
Conc: 106.73 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



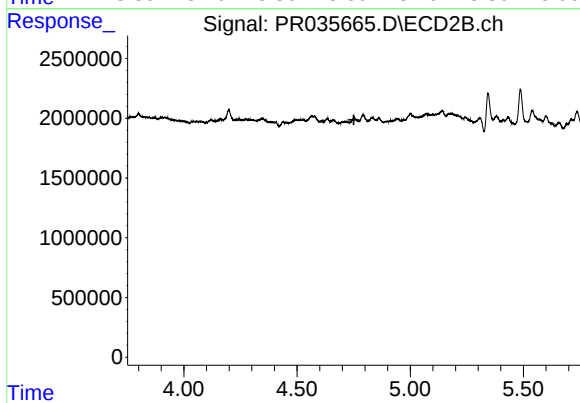
#12 AR-1232-2

R.T.: 0.000 min  
Exp R.T. : 4.580 min  
Response: 0  
Conc: N.D.



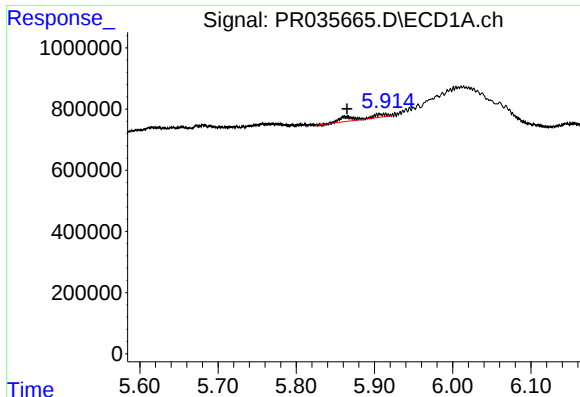
#13 AR-1232-3

R.T.: 5.653 min  
Delta R.T.: 0.037 min  
Response: 535078  
Conc: 16.02 ng/ml



#13 AR-1232-3

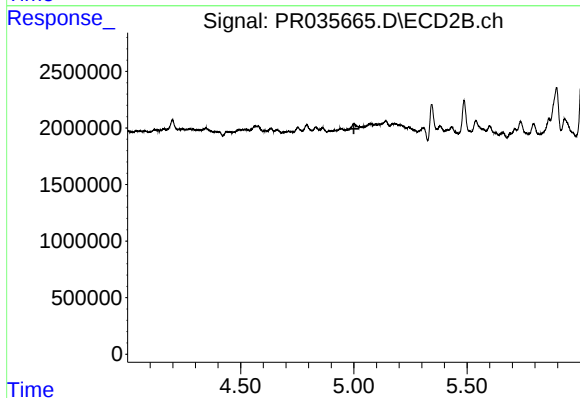
R.T.: 0.000 min  
Exp R.T. : 4.751 min  
Response: 0  
Conc: N.D.



#15 AR-1232-5

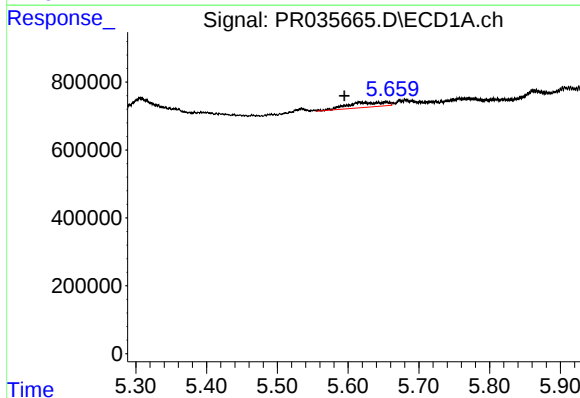
R.T.: 5.907 min  
Delta R.T.: 0.042 min  
Response: 309049  
Conc: 19.59 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



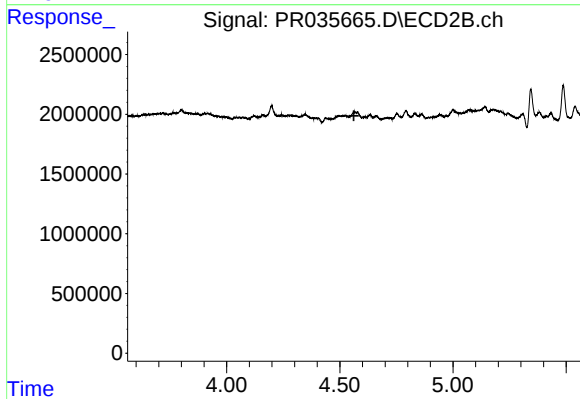
#15 AR-1232-5

R.T.: 0.000 min  
Exp R.T. : 5.000 min  
Response: 0  
Conc: N.D.



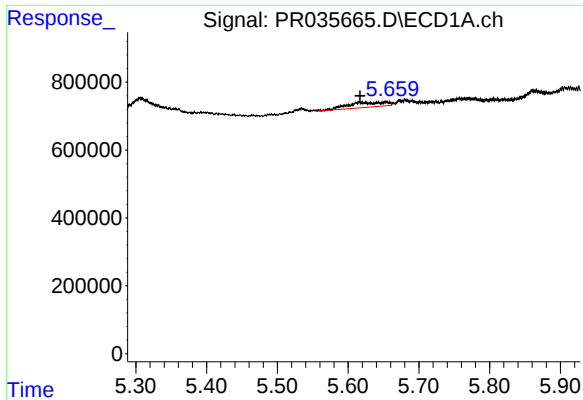
#16 AR-1242-1

R.T.: 5.653 min  
Delta R.T.: 0.059 min  
Response: 535078  
Conc: 13.16 ng/ml



#16 AR-1242-1

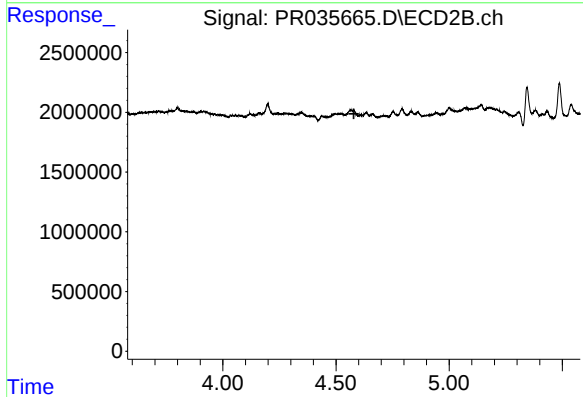
R.T.: 0.000 min  
Exp R.T. : 4.562 min  
Response: 0  
Conc: N.D.



#17 AR-1242-2

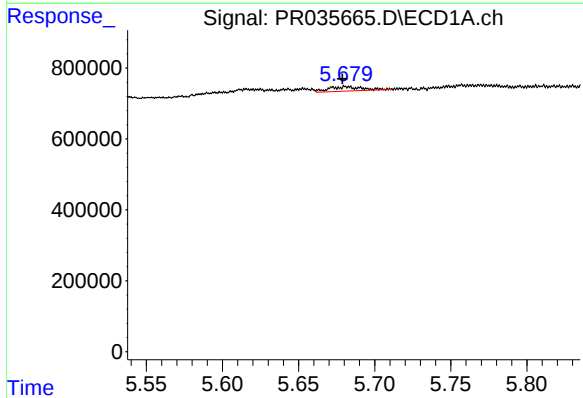
R.T.: 5.653 min  
Delta R.T.: 0.037 min  
Response: 535078  
Conc: 8.38 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



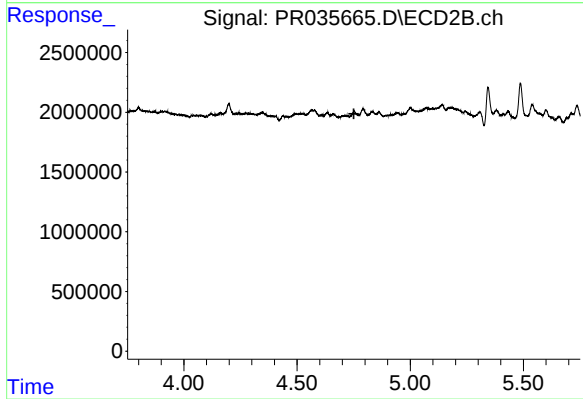
#17 AR-1242-2

R.T.: 0.000 min  
Exp R.T. : 4.579 min  
Response: 0  
Conc: N.D.



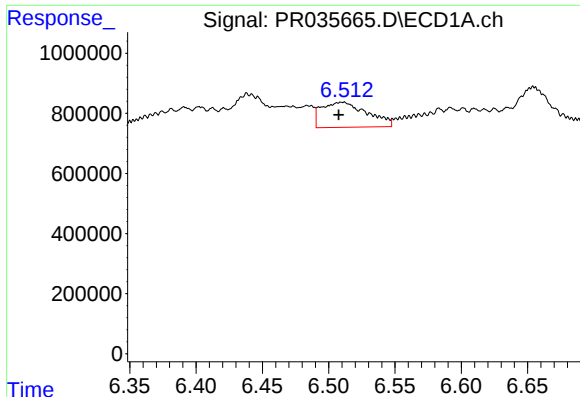
#18 AR-1242-3

R.T.: 5.673 min  
Delta R.T.: -0.006 min  
Response: 185307  
Conc: 4.66 ng/ml



#18 AR-1242-3

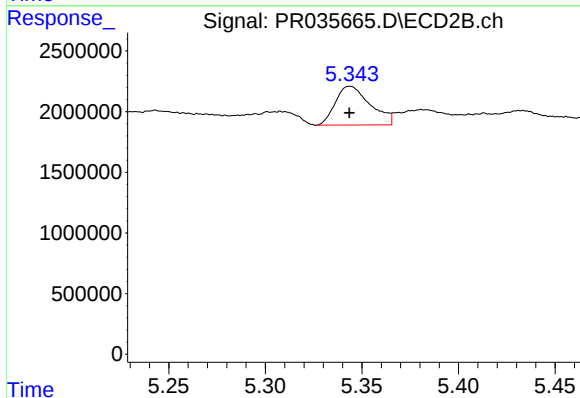
R.T.: 0.000 min  
Exp R.T. : 4.751 min  
Response: 0  
Conc: N.D.



#20 AR-1242-5

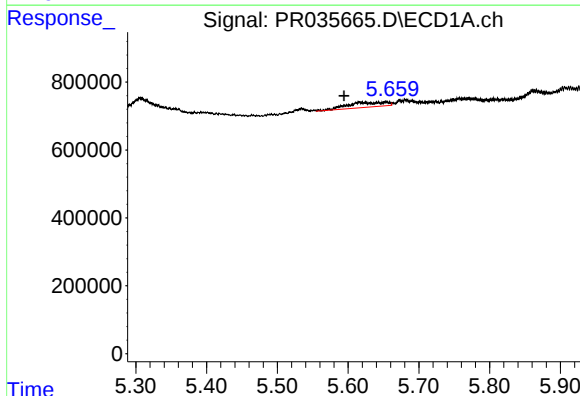
R.T.: 6.510 min  
Delta R.T.: 0.003 min  
Response: 1999094  
Conc: 45.34 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



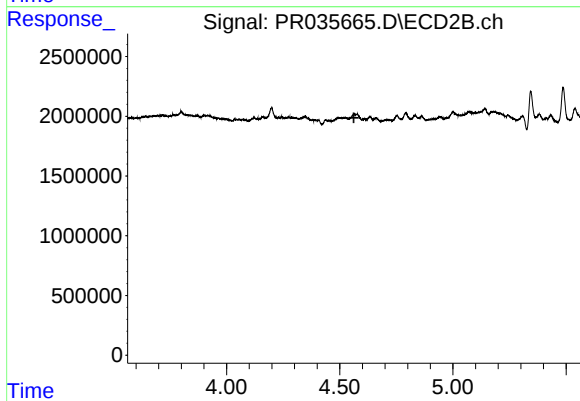
#20 AR-1242-5

R.T.: 5.344 min  
Delta R.T.: 0.000 min  
Response: 4000612  
Conc: 32.83 ng/ml



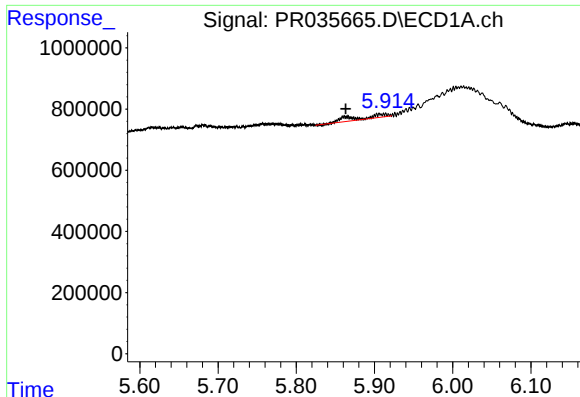
#21 AR-1248-1

R.T.: 5.653 min  
Delta R.T.: 0.059 min  
Response: 535078  
Conc: 19.73 ng/ml



#21 AR-1248-1

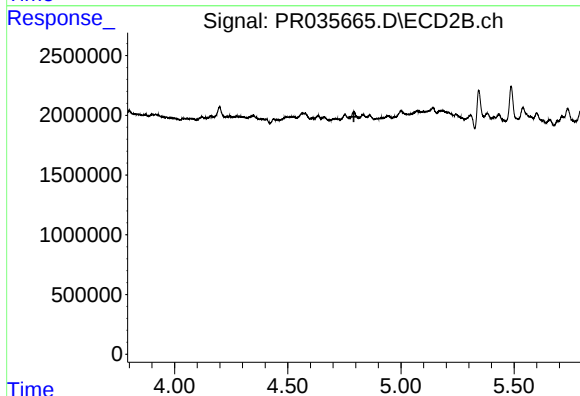
R.T.: 0.000 min  
Exp R.T.: 4.562 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

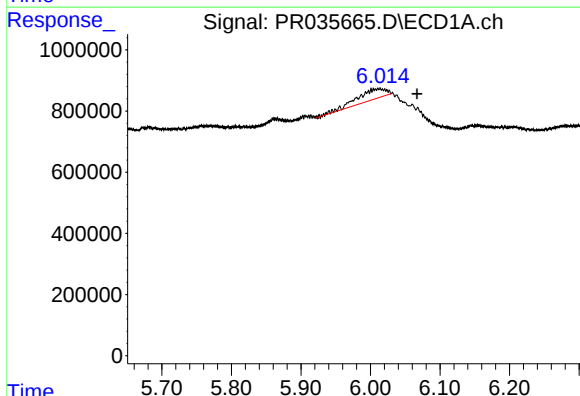
R.T.: 5.907 min  
Delta R.T.: 0.044 min  
Response: 309049  
Conc: 7.11 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



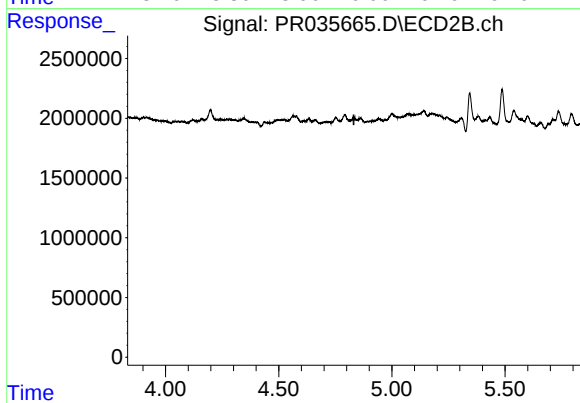
#22 AR-1248-2

R.T.: 0.000 min  
Exp R.T. : 4.792 min  
Response: 0  
Conc: N.D.



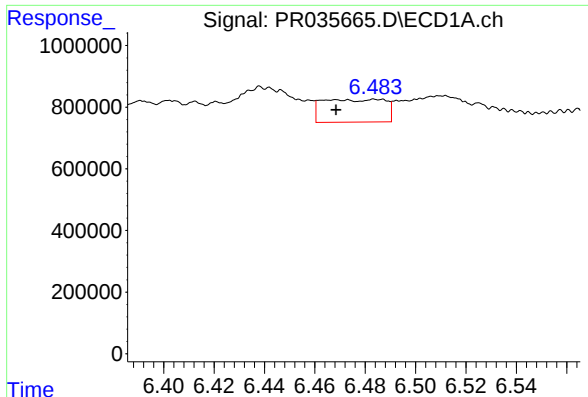
#23 AR-1248-3

R.T.: 6.013 min  
Delta R.T.: -0.055 min  
Response: 1023450  
Conc: 20.03 ng/ml



#23 AR-1248-3

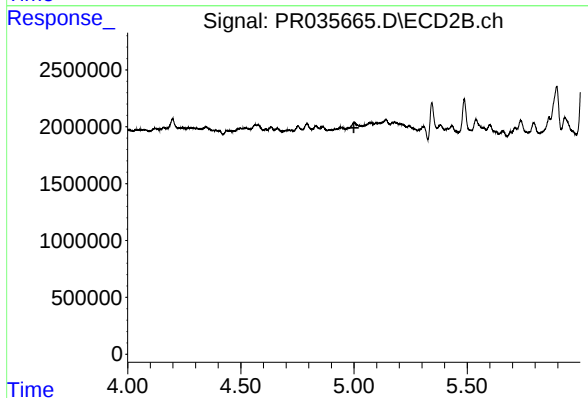
R.T.: 0.000 min  
Exp R.T. : 4.832 min  
Response: 0  
Conc: N.D.



#24 AR-1248-4

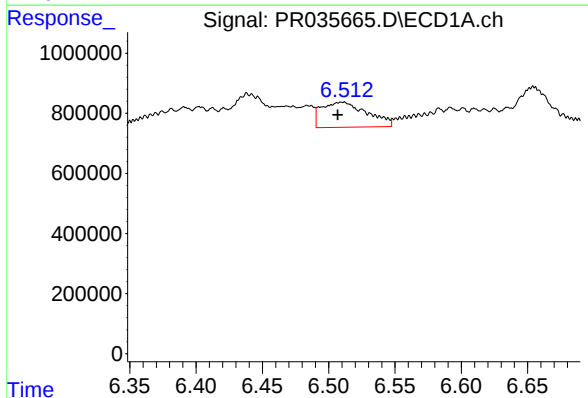
R.T.: 6.484 min  
Delta R.T.: 0.016 min  
Response: 1279716  
Conc: 19.52 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



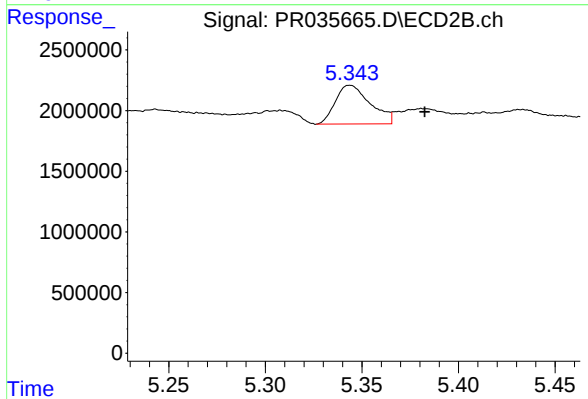
#24 AR-1248-4

R.T.: 0.000 min  
Exp R.T. : 5.000 min  
Response: 0  
Conc: N.D.



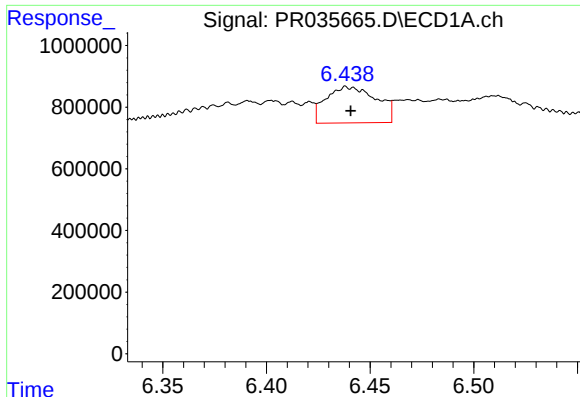
#25 AR-1248-5

R.T.: 6.510 min  
Delta R.T.: 0.004 min  
Response: 1999094  
Conc: 31.32 ng/ml



#25 AR-1248-5

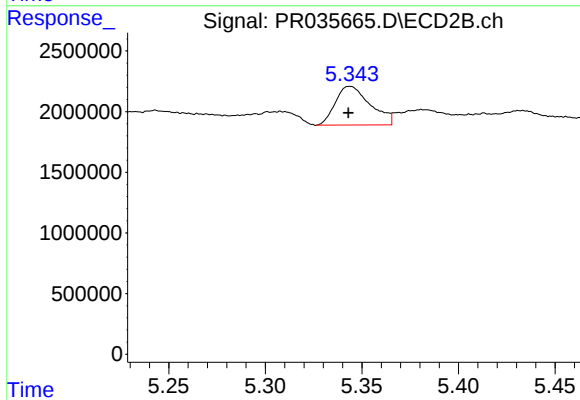
R.T.: 5.344 min  
Delta R.T.: -0.039 min  
Response: 4000612  
Conc: 26.82 ng/ml



#26 AR-1254-1

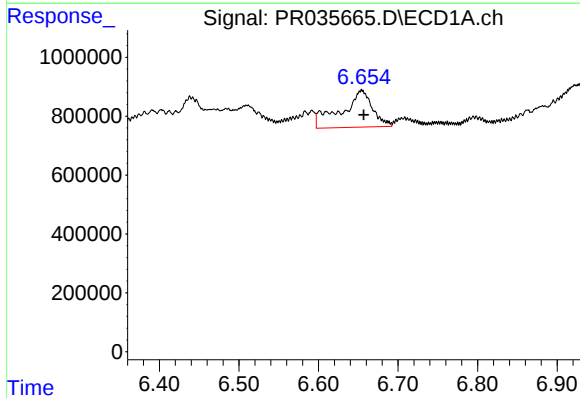
R.T.: 6.439 min  
Delta R.T.: -0.002 min  
Response: 1986279  
Conc: 32.95 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



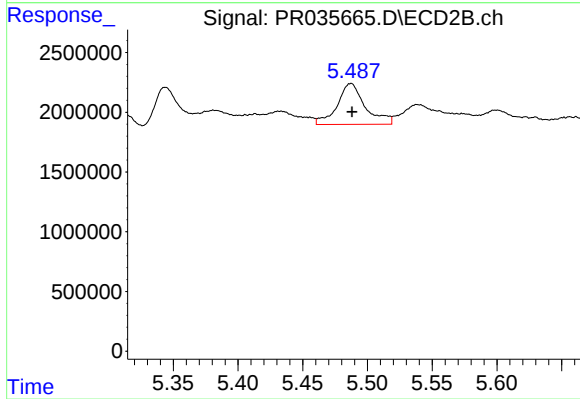
#26 AR-1254-1

R.T.: 5.344 min  
Delta R.T.: 0.000 min  
Response: 4000612  
Conc: 18.13 ng/ml



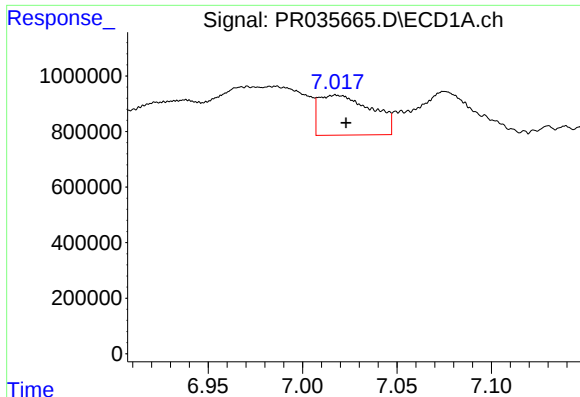
#27 AR-1254-2

R.T.: 6.654 min  
Delta R.T.: -0.003 min  
Response: 3398699  
Conc: 33.78 ng/ml



#27 AR-1254-2

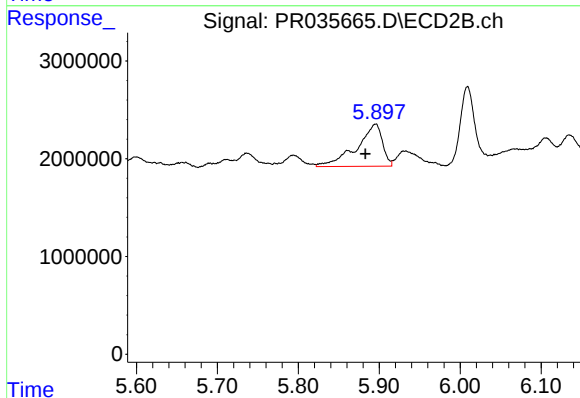
R.T.: 5.487 min  
Delta R.T.: 0.000 min  
Response: 5167422  
Conc: 26.16 ng/ml



#28 AR-1254-3

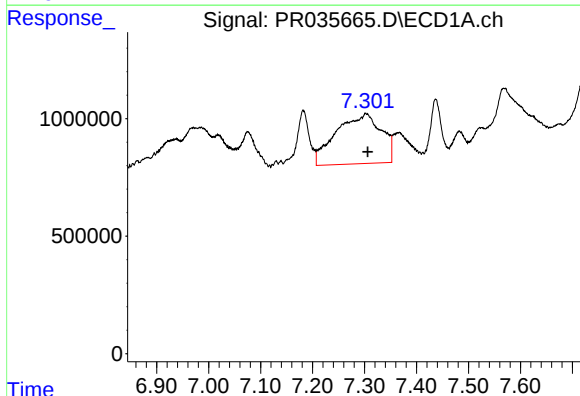
R.T.: 7.017 min  
Delta R.T.: -0.006 min  
Response: 2804869  
Conc: 23.97 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



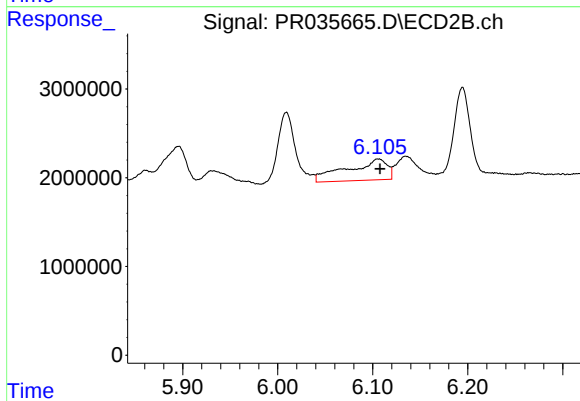
#28 AR-1254-3

R.T.: 5.895 min  
Delta R.T.: 0.012 min  
Response: 9588038  
Conc: 26.98 ng/ml



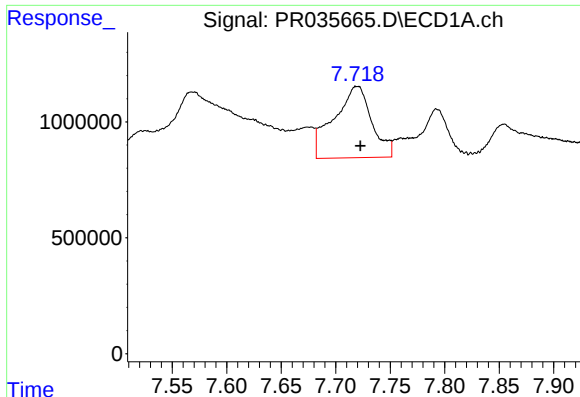
#29 AR-1254-4

R.T.: 7.302 min  
Delta R.T.: -0.004 min  
Response: 12841792  
Conc: 143.17 ng/ml



#29 AR-1254-4

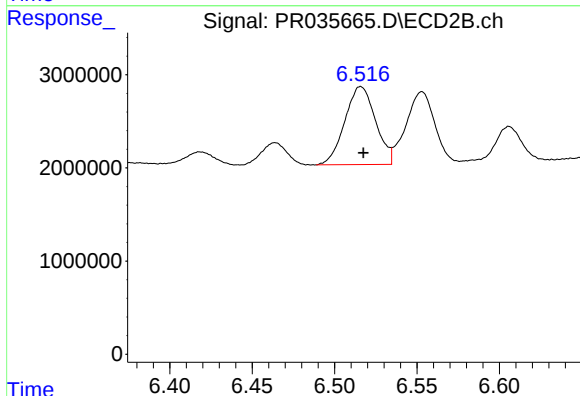
R.T.: 6.106 min  
Delta R.T.: -0.002 min  
Response: 6915108  
Conc: 26.76 ng/ml



#30 AR-1254-5

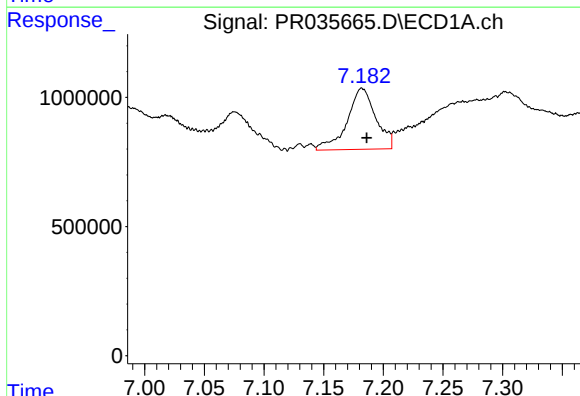
R.T.: 7.720 min  
Delta R.T.: -0.003 min  
Response: 7445287  
Conc: 71.39 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



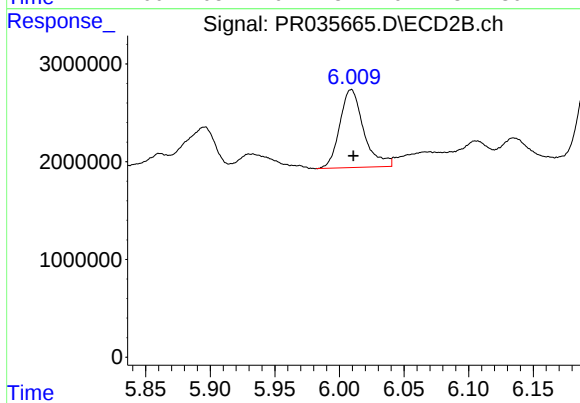
#30 AR-1254-5

R.T.: 6.516 min  
Delta R.T.: -0.001 min  
Response: 10863361  
Conc: 30.16 ng/ml



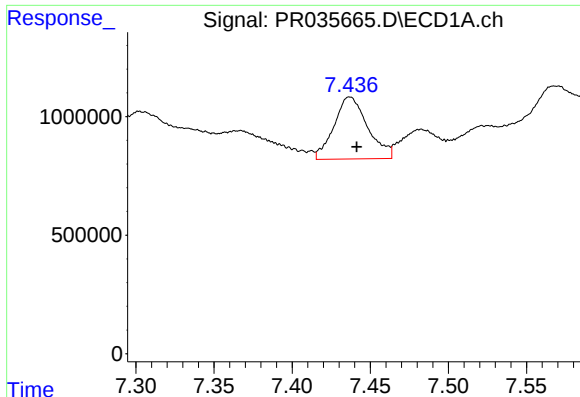
#31 AR-1260-1

R.T.: 7.182 min  
Delta R.T.: -0.004 min  
Response: 3966742  
Conc: 25.96 ng/ml



#31 AR-1260-1

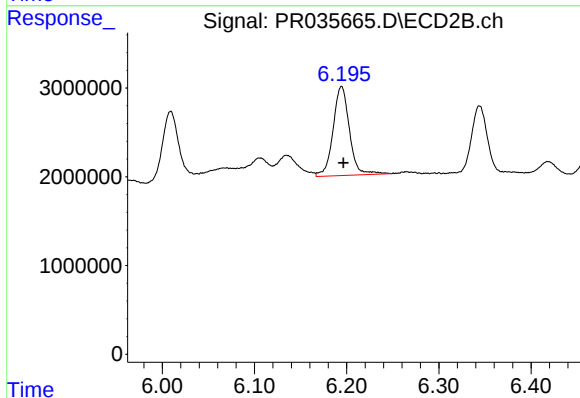
R.T.: 6.009 min  
Delta R.T.: -0.002 min  
Response: 10300553  
Conc: 25.77 ng/ml



#32 AR-1260-2

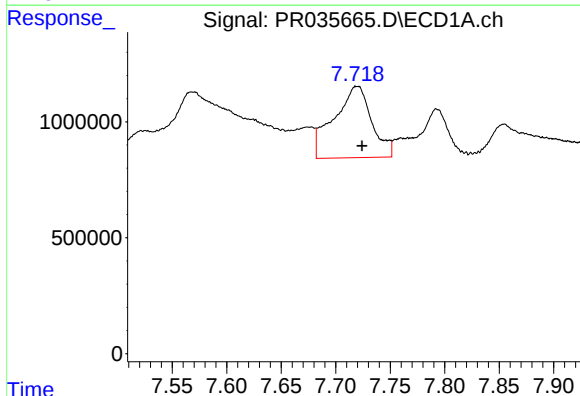
R.T.: 7.437 min  
Delta R.T.: -0.004 min  
Response: 3933552  
Conc: 20.75 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



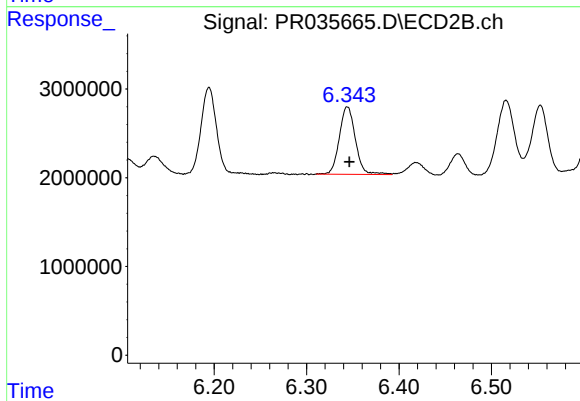
#32 AR-1260-2

R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 12388123  
Conc: 21.79 ng/ml



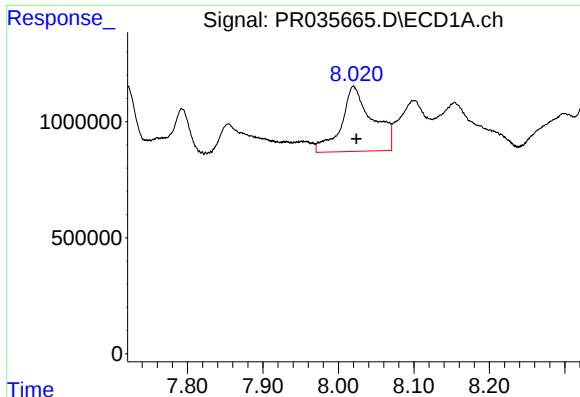
#33 AR-1260-3

R.T.: 7.720 min  
Delta R.T.: -0.005 min  
Response: 7445287  
Conc: 29.07 ng/ml



#33 AR-1260-3

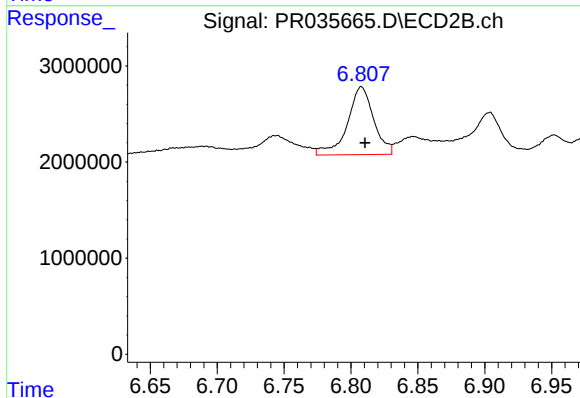
R.T.: 6.344 min  
Delta R.T.: -0.002 min  
Response: 9193401  
Conc: 18.68 ng/ml



#34 AR-1260-4

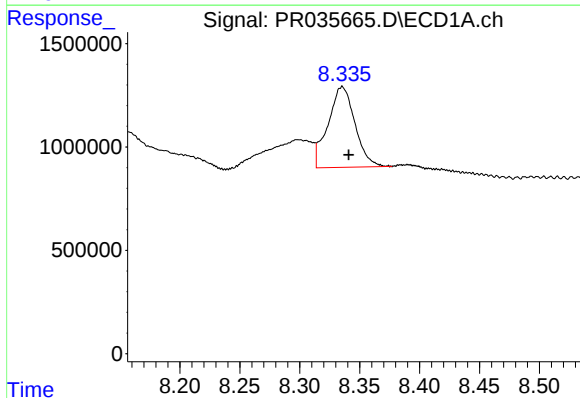
R.T.: 8.020 min  
Delta R.T.: -0.004 min  
Response: 8042903  
Conc: 47.30 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



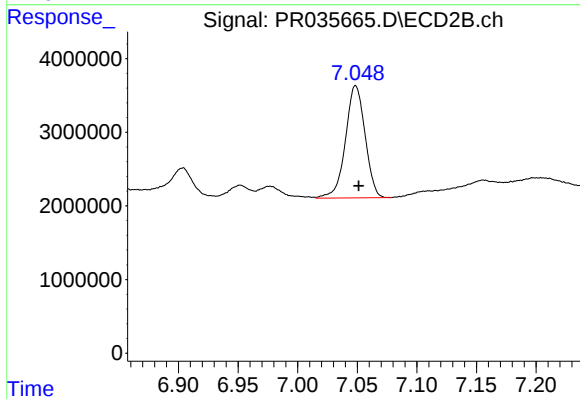
#34 AR-1260-4

R.T.: 6.808 min  
Delta R.T.: -0.003 min  
Response: 9672270  
Conc: 22.69 ng/ml



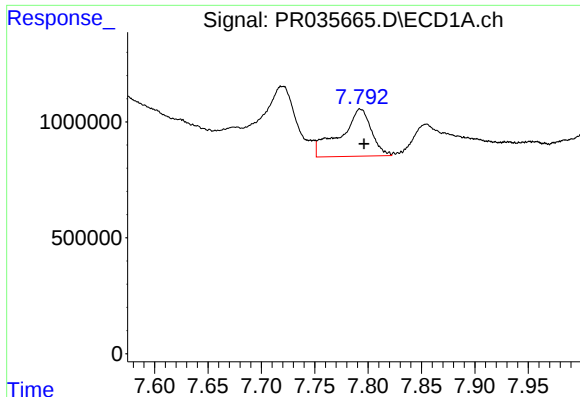
#35 AR-1260-5

R.T.: 8.335 min  
Delta R.T.: -0.006 min  
Response: 6085550  
Conc: 17.31 ng/ml



#35 AR-1260-5

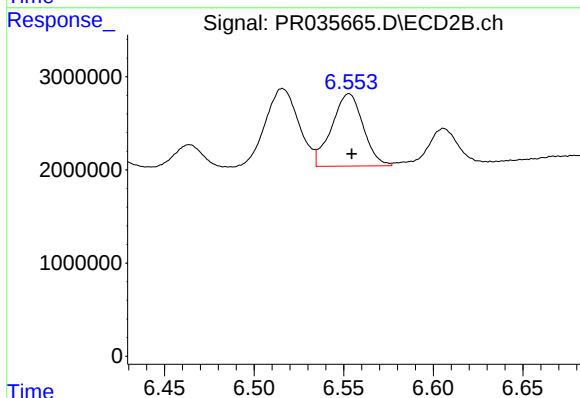
R.T.: 7.049 min  
Delta R.T.: -0.003 min  
Response: 17427323  
Conc: 13.99 ng/ml



#36 AR-1262-1

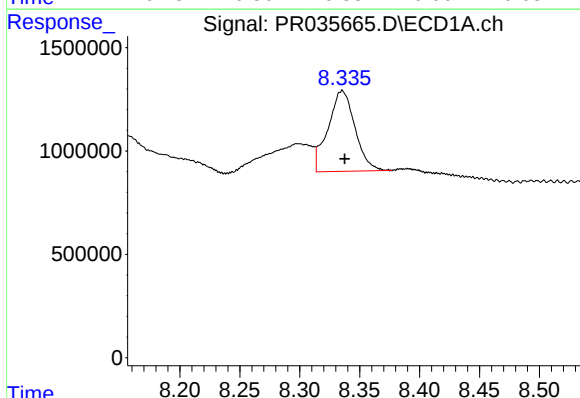
R.T.: 7.793 min  
Delta R.T.: -0.003 min  
Response: 4128862  
Conc: 29.93 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



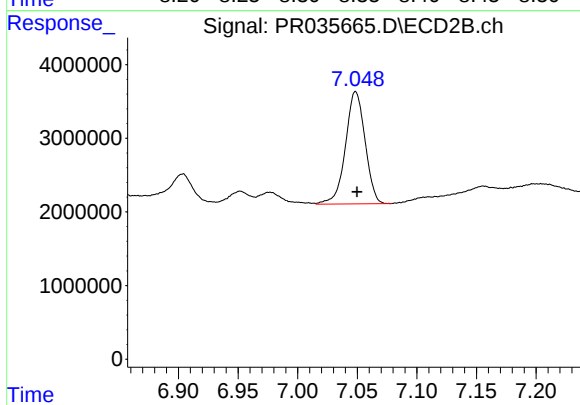
#36 AR-1262-1

R.T.: 6.553 min  
Delta R.T.: -0.002 min  
Response: 9509702  
Conc: 19.94 ng/ml



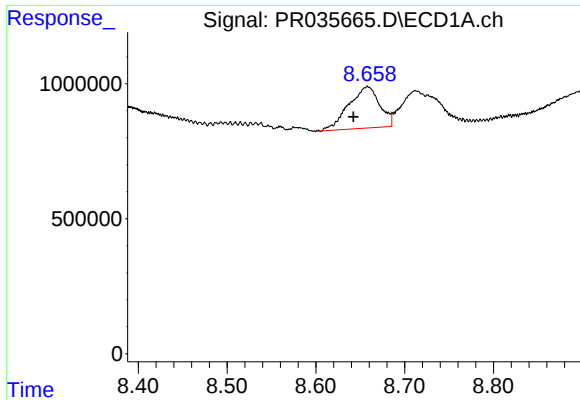
#37 AR-1262-2

R.T.: 8.335 min  
Delta R.T.: -0.002 min  
Response: 6085550  
Conc: 24.11 ng/ml



#37 AR-1262-2

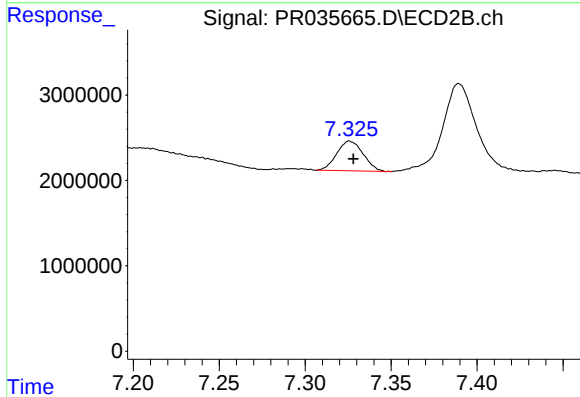
R.T.: 7.049 min  
Delta R.T.: -0.001 min  
Response: 17427323  
Conc: 19.47 ng/ml



#38 AR-1262-3

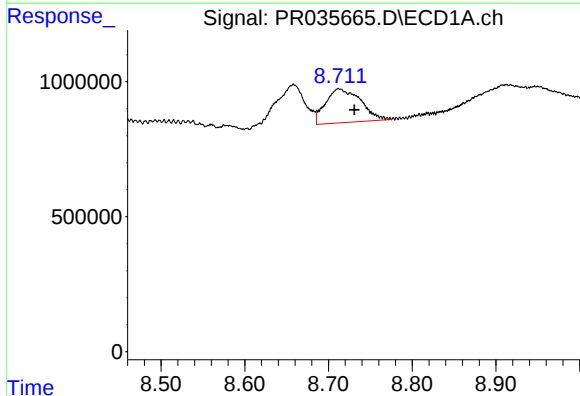
R.T.: 8.658 min  
Delta R.T.: 0.016 min  
Response: 3724445  
Conc: 21.12 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



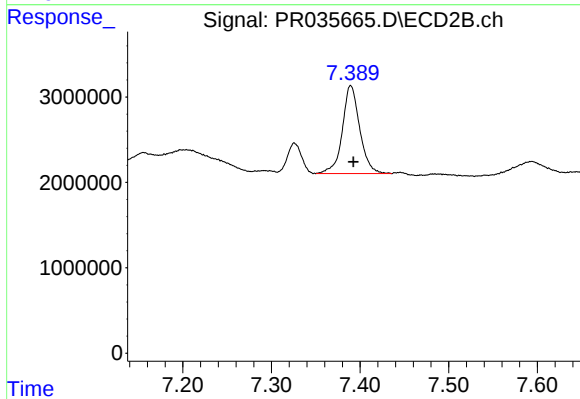
#38 AR-1262-3

R.T.: 7.326 min  
Delta R.T.: -0.002 min  
Response: 3723328  
Conc: 9.55 ng/ml



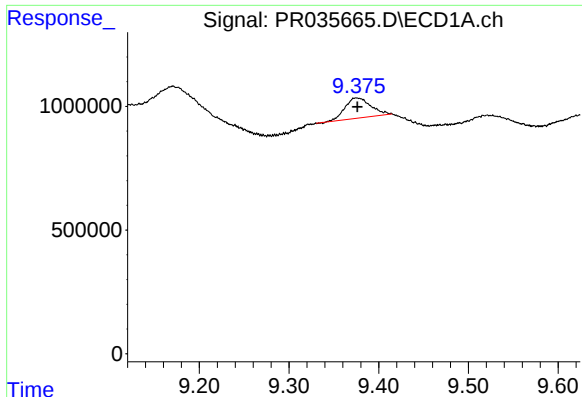
#39 AR-1262-4

R.T.: 8.712 min  
Delta R.T.: -0.019 min  
Response: 3673587  
Conc: 27.79 ng/ml



#39 AR-1262-4

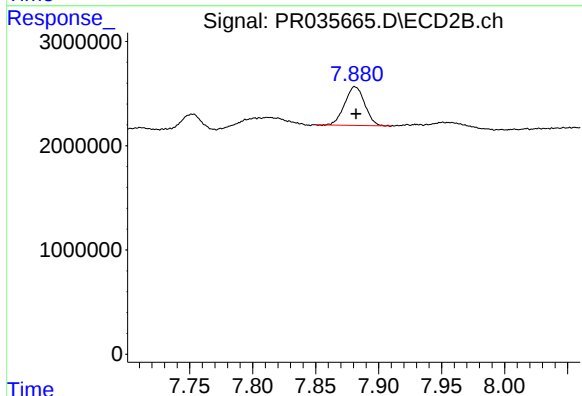
R.T.: 7.389 min  
Delta R.T.: -0.003 min  
Response: 14030232  
Conc: 21.72 ng/ml



#40 AR-1262-5

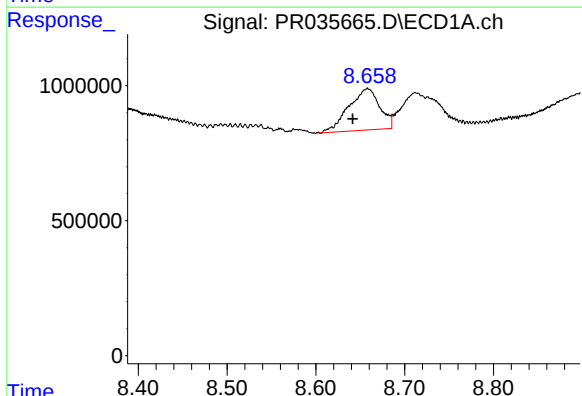
R.T.: 9.375 min  
Delta R.T.: -0.001 min  
Response: 1657686  
Conc: 17.80 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



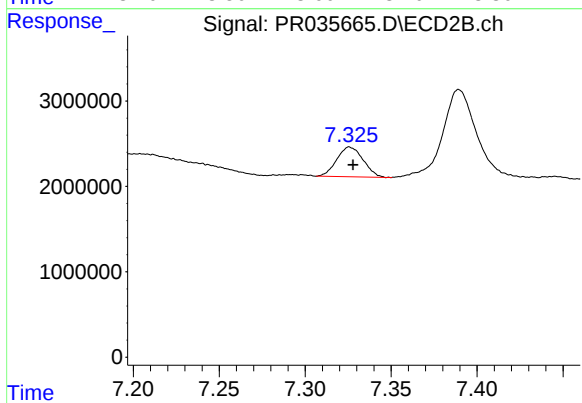
#40 AR-1262-5

R.T.: 7.881 min  
Delta R.T.: 0.000 min  
Response: 4102127  
Conc: 13.09 ng/ml



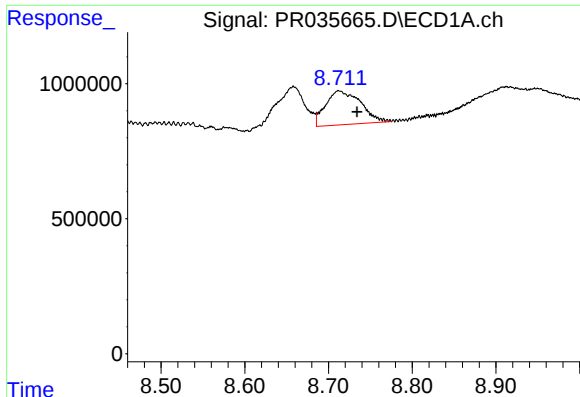
#41 AR-1268-1

R.T.: 8.658 min  
Delta R.T.: 0.017 min  
Response: 3724445  
Conc: 7.82 ng/ml



#41 AR-1268-1

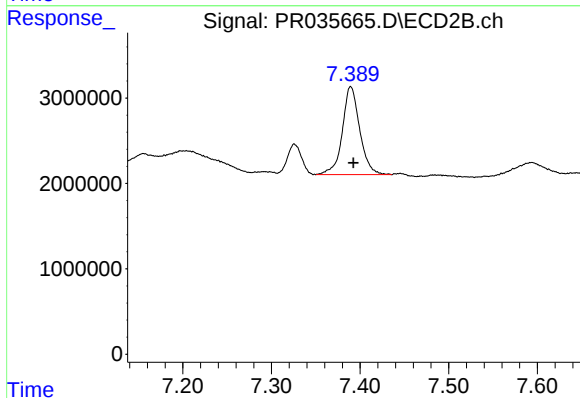
R.T.: 7.326 min  
Delta R.T.: -0.002 min  
Response: 3723328  
Conc: 2.04 ng/ml



#42 AR-1268-2

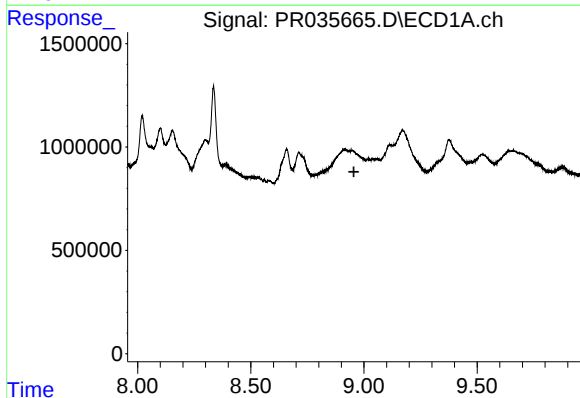
R.T.: 8.712 min  
Delta R.T.: -0.022 min  
Response: 3673587  
Conc: 8.62 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



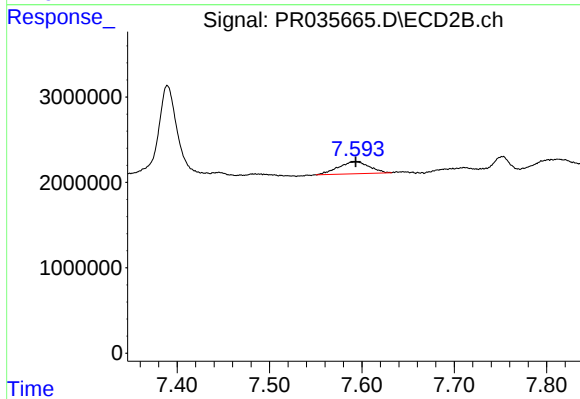
#42 AR-1268-2

R.T.: 7.389 min  
Delta R.T.: -0.003 min  
Response: 14030232  
Conc: 8.81 ng/ml



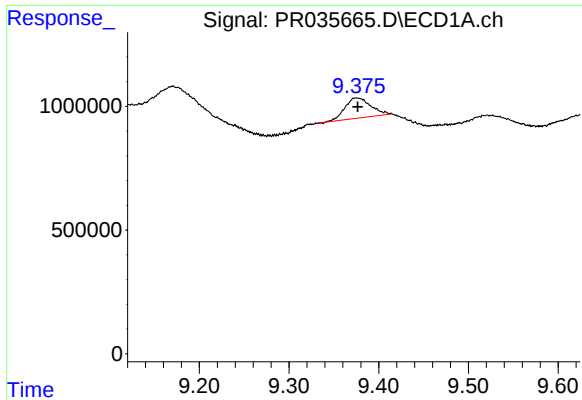
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T. : 8.955 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

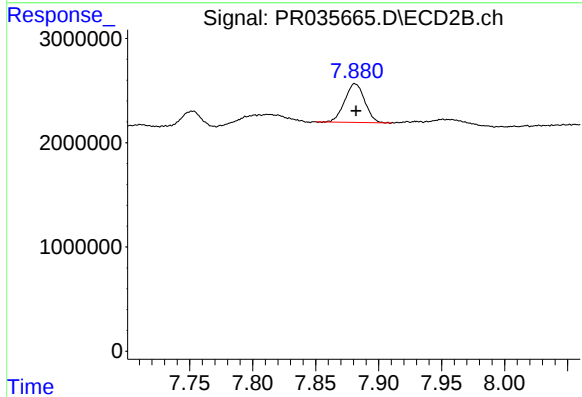
R.T.: 7.594 min  
Delta R.T.: 0.000 min  
Response: 3318750  
Conc: 2.39 ng/ml



#44 AR-1268-4

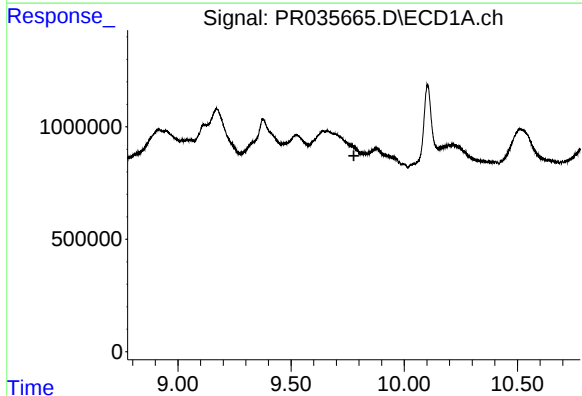
R.T.: 9.375 min  
Delta R.T.: -0.002 min  
Response: 1657686  
Conc: 10.33 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



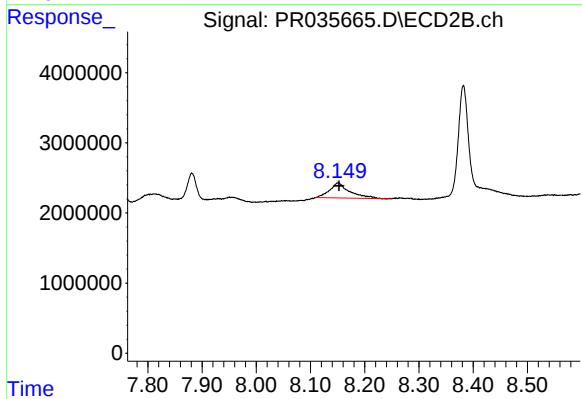
#44 AR-1268-4

R.T.: 7.881 min  
Delta R.T.: 0.000 min  
Response: 4102127  
Conc: 7.46 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T. : 9.778 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 8.151 min  
Delta R.T.: -0.002 min  
Response: 5491526  
Conc: 1.33 ng/ml