

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR021519\  
 Data File : PR035531.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Feb 2019 02:30  
 Operator : SM\SJ  
 Sample : AR1242CCC400  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :  
 AR1242316

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 16 03:16:20 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR020119CLP.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Feb 02 01:45:00 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... | 4.426  | 3.499  | 48888789 | 98191893 | 31.527   | 32.012    |
| 2)                          | SA Decachlor... | 10.099 | 8.378  | 82078517 | 186.8E6  | 37.168   | 32.669    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 3)                          | L1 AR-1016-1    | 5.590  | 4.556  | 28455998 | 67424371 | 291.881  | 305.923   |
| 4)                          | L1 AR-1016-2    | 5.611  | 4.572  | 50445142 | 87091429 | 345.987  | 251.245 # |
| 5)                          | L1 AR-1016-3    | 5.673  | 4.745  | 28618838 | 51603455 | 319.123  | 293.316   |
| 6)                          | L1 AR-1016-4    | 5.772  | 4.786  | 23311238 | 38579186 | 310.224  | 284.495   |
| 7)                          | L1 AR-1016-5    | 6.063  | 4.994  | 23177300 | 55079379 | 307.963  | 282.908   |
| 8)                          | L2 AR-1221-1    | 4.632  | 3.707  | 2631435  | 5616244  | 143.584  | 133.513   |
| 9)                          | L2 AR-1221-2    | 4.721  | 3.792  | 3564352  | 7543662  | 278.602  | 241.754   |
| 10)                         | L2 AR-1221-3    | 4.798  | 3.864  | 15466294 | 32231706 | 335.368  | 300.564   |
| 11)                         | L3 AR-1232-1    | 4.798  | 3.864  | 15466294 | 32231706 | 462.897  | 405.461   |
| 12)                         | L3 AR-1232-2    | 5.323  | 4.572  | 22335196 | 87091429 | 1213.261 | 898.246 # |
| 13)                         | L3 AR-1232-3    | 5.611  | 4.745  | 50445142 | 51603455 | 1238.856 | 1036.443  |
| 14)                         | L3 AR-1232-4    | 5.772  | 4.827  | 23311238 | 49229456 | 1146.100 | 1107.376  |
| 15)                         | L3 AR-1232-5    | 5.859  | 4.994  | 19218853 | 55079379 | 1243.106 | 1076.408  |
| 16)                         | L4 AR-1242-1    | 5.590  | 4.556  | 28455998 | 67424371 | 519.819  | 540.070   |
| 17)                         | L4 AR-1242-2    | 5.611  | 4.572  | 50445142 | 87091429 | 617.037  | 442.937 # |
| 18)                         | L4 AR-1242-3    | 5.673  | 4.745  | 28618838 | 51603455 | 565.967  | 502.291   |
| 19)                         | L4 AR-1242-4    | 5.772  | 4.827  | 23311238 | 49229456 | 559.902  | 488.291   |
| 20)                         | L4 AR-1242-5    | 6.502  | 5.338  | 27114227 | 67844466 | 535.946  | 468.734   |
| 21)                         | L5 AR-1248-1    | 5.590  | 4.556  | 28455998 | 67424371 | 733.055  | 734.957   |
| 22)                         | L5 AR-1248-2    | 5.859  | 4.786  | 19218853 | 38579186 | 339.269  | 300.446   |
| 23)                         | L5 AR-1248-3    | 6.063  | 4.827  | 23177300 | 49229456 | 361.880  | 371.289   |
| 24)                         | L5 AR-1248-4    | 6.463  | 4.994  | 26897962 | 55079379 | 342.028  | 329.554   |
| 25)                         | L5 AR-1248-5    | 6.502  | 5.377  | 27114227 | 57754023 | 364.694  | 326.662   |
| 26)                         | L6 AR-1254-1    | 6.436  | 5.338  | 19200278 | 67844466 | 172.938  | 175.504   |
| 27)                         | L6 AR-1254-2    | 6.659  | 5.482  | 22055879 | 15302515 | 124.172  | 45.023 #  |
| 28)                         | L6 AR-1254-3    | 7.018  | 5.878  | 8698115  | 20722637 | 45.590   | 35.386    |
| 29)                         | L6 AR-1254-4    | 7.303  | 6.103  | 8457719  | 17803529 | 52.518   | 45.361    |
| 30)                         | L6 AR-1254-5    | 7.720  | 6.513  | 831112   | 5365230  | 5.038    | 9.704 #   |
| 31)                         | L7 AR-1260-1    | 7.196  | 6.019  | 1977873  | 7473149  | 11.500   | 16.532 #  |
| 32)                         | L7 AR-1260-2    | 7.430  | 6.189  | 2749260  | 2405478  | 11.355   | 3.964 #   |
| 33)                         | L7 AR-1260-3    | 7.720  | 6.412f | 831112   | 14959458 | 3.121    | 27.600 #  |
| 34)                         | L7 AR-1260-4    | 8.008  | 0.000  | 94215    | 0        | 0.500    | N.D. #    |
| 36)                         | L8 AR-1262-1    | 0.000  | 6.513f | 0        | 5365230  | N.D.     | 11.273 #  |
| 38)                         | L8 AR-1262-3    | 8.659  | 0.000  | 634826   | 0        | 3.113    | N.D. #    |
| 41)                         | L9 AR-1268-1    | 8.659  | 0.000  | 634826   | 0        | 1.078    | N.D. #    |
| 43)                         | L9 AR-1268-3    | 8.956  | 0.000  | 227307   | 0        | 0.510    | N.D. #    |
| 45)                         | L9 AR-1268-5    | 9.764  | 0.000  | 495887   | 0        | 0.415    | N.D. #    |
| -----                       |                 |        |        |          |          |          |           |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR021519\  
Data File : PR035531.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Feb 2019 02:30  
Operator : SM\SJ  
Sample : AR1242CCC400  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

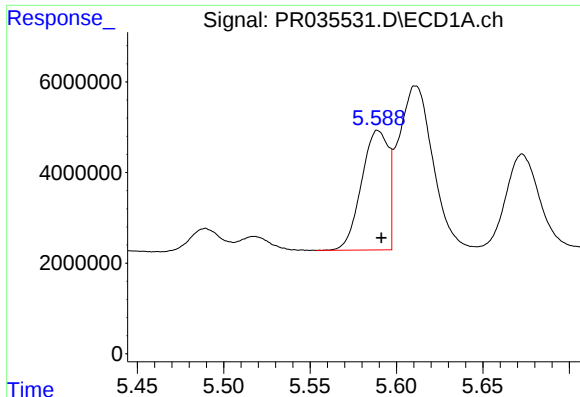
Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 16 03:16:20 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR020119CLP.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Feb 02 01:45:00 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. |      |      |        |        |       |       |

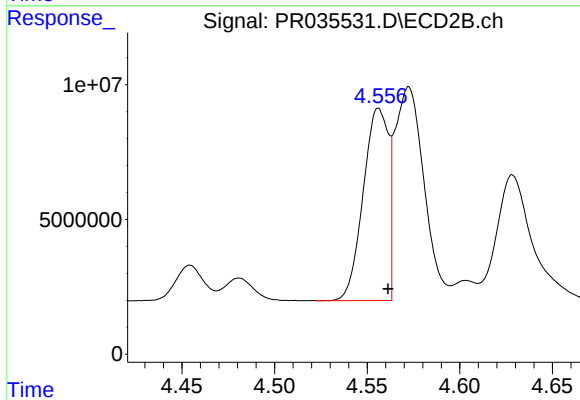




#3 AR-1016-1

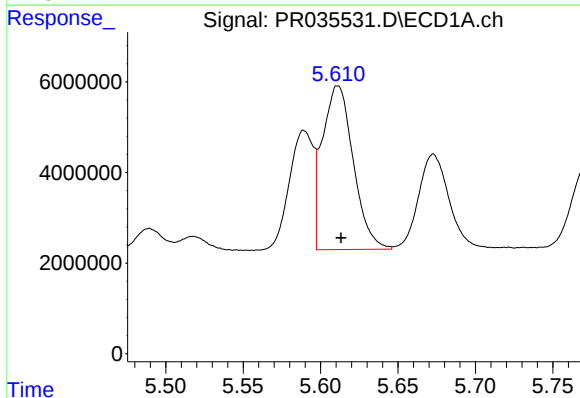
R.T.: 5.590 min  
Delta R.T.: -0.001 min  
Response: 28455998  
Conc: 291.88 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



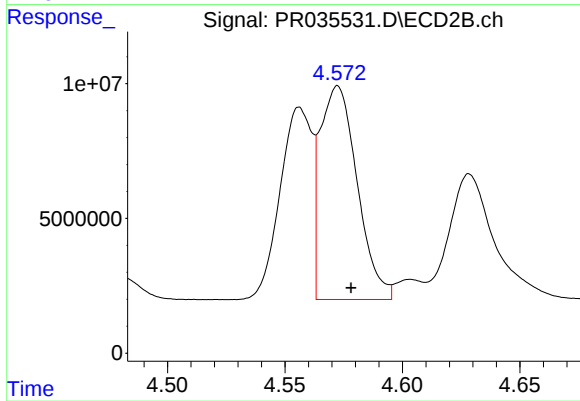
#3 AR-1016-1

R.T.: 4.556 min  
Delta R.T.: -0.005 min  
Response: 67424371  
Conc: 305.92 ng/ml



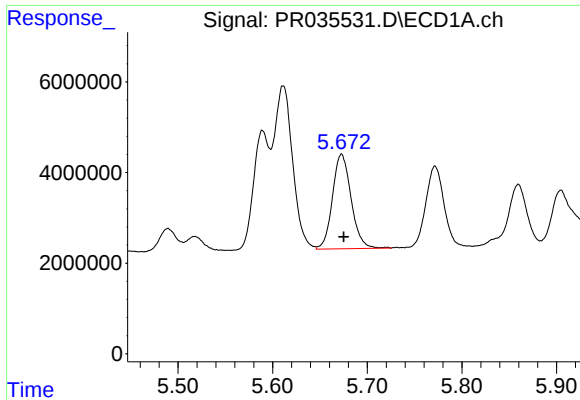
#4 AR-1016-2

R.T.: 5.611 min  
Delta R.T.: -0.002 min  
Response: 50445142  
Conc: 345.99 ng/ml



#4 AR-1016-2

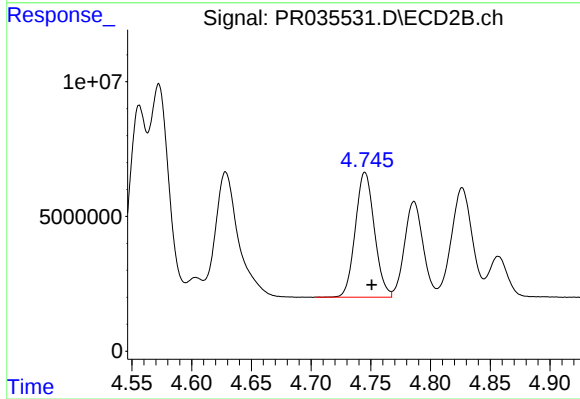
R.T.: 4.572 min  
Delta R.T.: -0.006 min  
Response: 87091429  
Conc: 251.24 ng/ml



#5 AR-1016-3

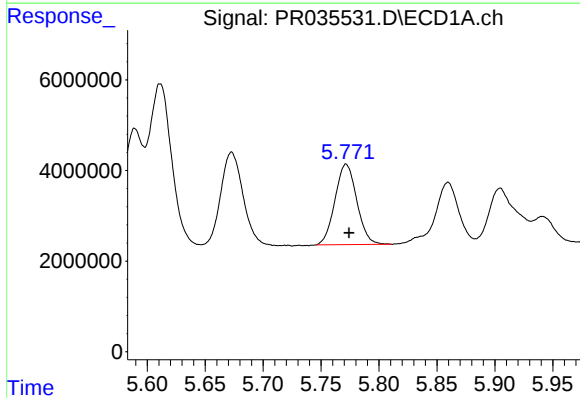
R.T.: 5.673 min  
Delta R.T.: -0.002 min  
Response: 28618838  
Conc: 319.12 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



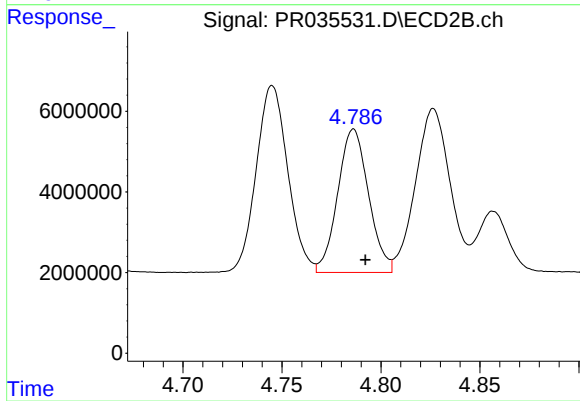
#5 AR-1016-3

R.T.: 4.745 min  
Delta R.T.: -0.006 min  
Response: 51603455  
Conc: 293.32 ng/ml



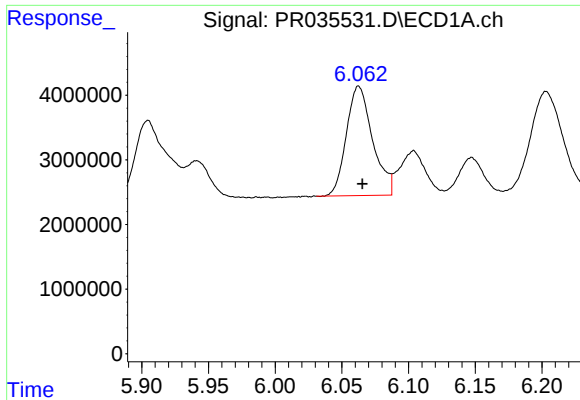
#6 AR-1016-4

R.T.: 5.772 min  
Delta R.T.: -0.003 min  
Response: 23311238  
Conc: 310.22 ng/ml



#6 AR-1016-4

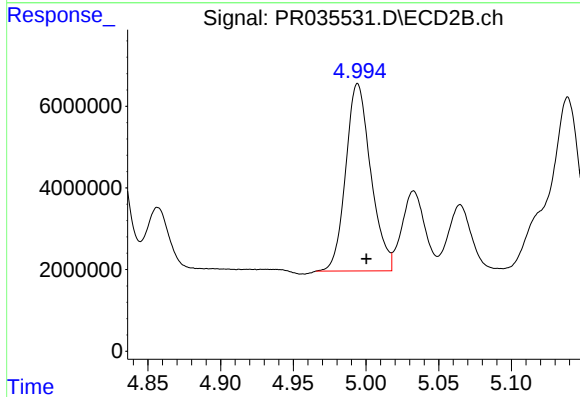
R.T.: 4.786 min  
Delta R.T.: -0.006 min  
Response: 38579186  
Conc: 284.50 ng/ml



#7 AR-1016-5

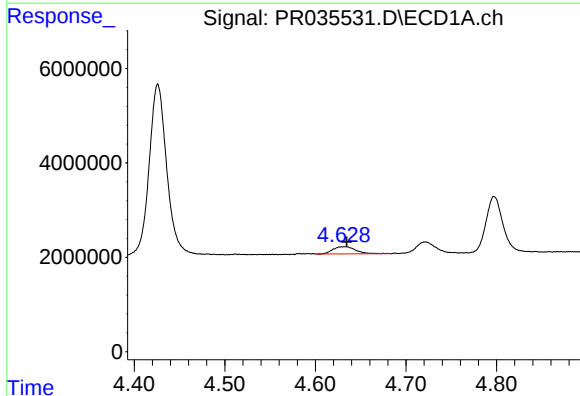
R.T.: 6.063 min  
Delta R.T.: -0.003 min  
Response: 23177300  
Conc: 307.96 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



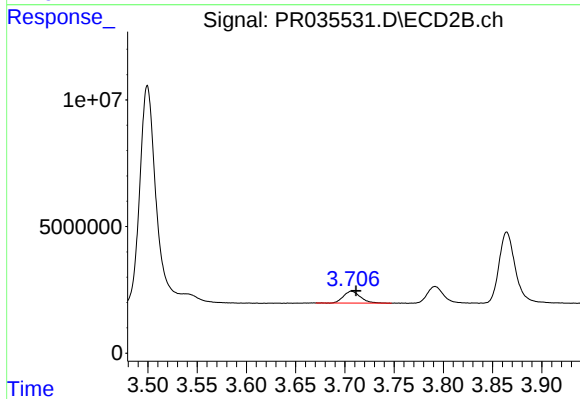
#7 AR-1016-5

R.T.: 4.994 min  
Delta R.T.: -0.006 min  
Response: 55079379  
Conc: 282.91 ng/ml



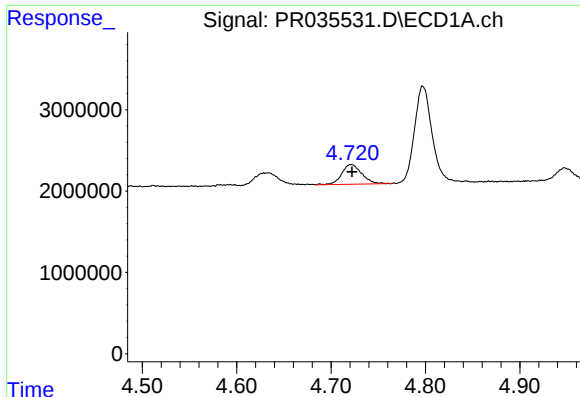
#8 AR-1221-1

R.T.: 4.632 min  
Delta R.T.: -0.003 min  
Response: 2631435  
Conc: 143.58 ng/ml



#8 AR-1221-1

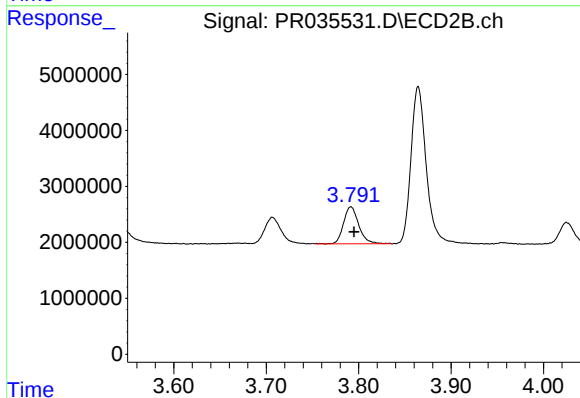
R.T.: 3.707 min  
Delta R.T.: -0.005 min  
Response: 5616244  
Conc: 133.51 ng/ml



#9 AR-1221-2

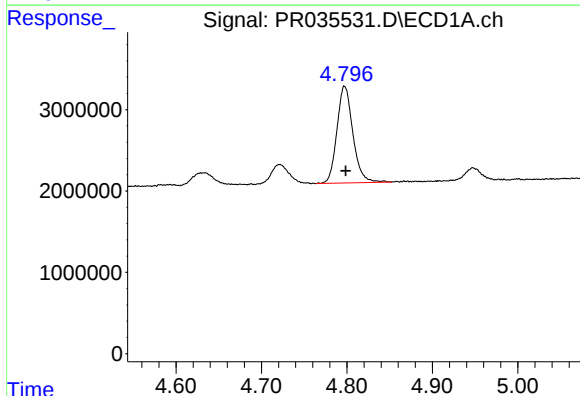
R.T.: 4.721 min  
Delta R.T.: 0.000 min  
Response: 3564352  
Conc: 278.60 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



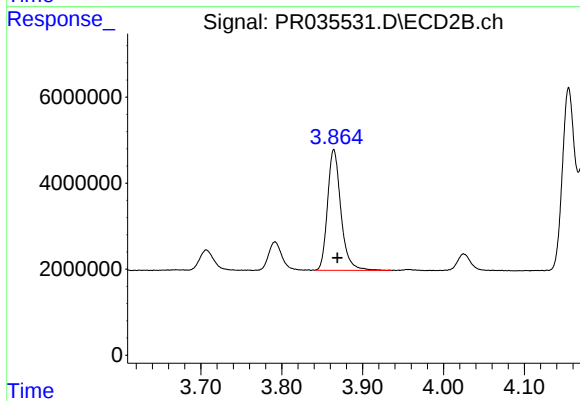
#9 AR-1221-2

R.T.: 3.792 min  
Delta R.T.: -0.003 min  
Response: 7543662  
Conc: 241.75 ng/ml



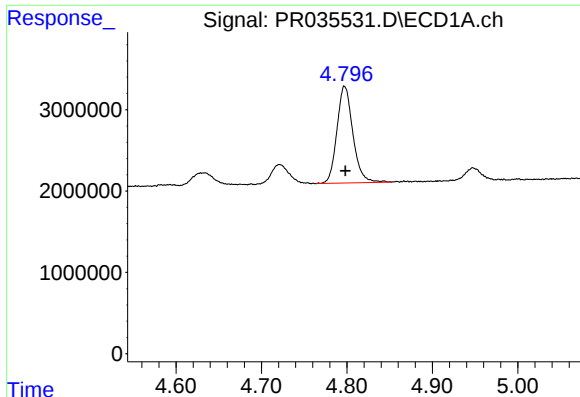
#10 AR-1221-3

R.T.: 4.798 min  
Delta R.T.: -0.001 min  
Response: 15466294  
Conc: 335.37 ng/ml



#10 AR-1221-3

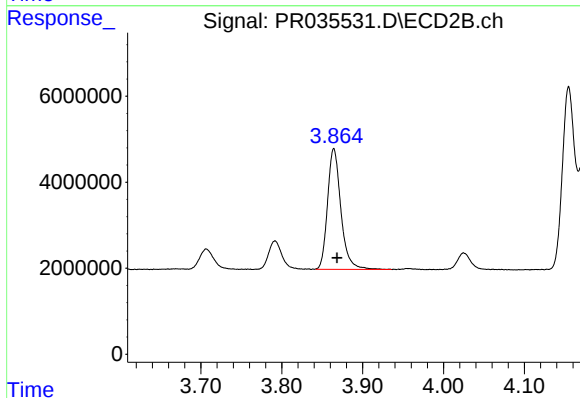
R.T.: 3.864 min  
Delta R.T.: -0.004 min  
Response: 32231706  
Conc: 300.56 ng/ml



#11 AR-1232-1

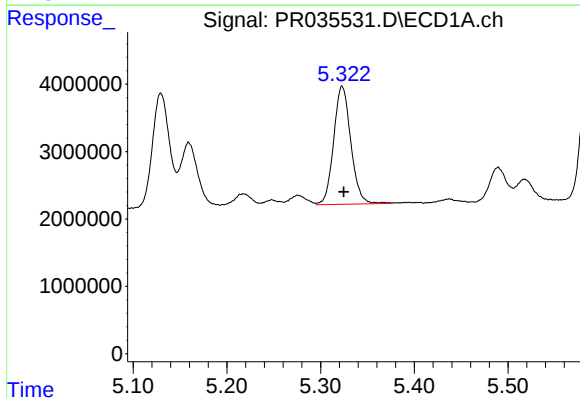
R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 15466294  
Conc: 462.90 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



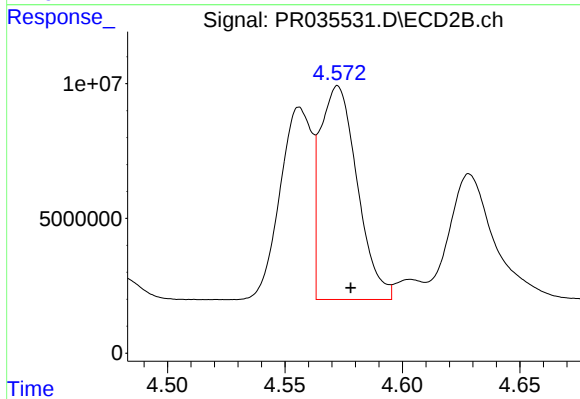
#11 AR-1232-1

R.T.: 3.864 min  
Delta R.T.: -0.004 min  
Response: 32231706  
Conc: 405.46 ng/ml



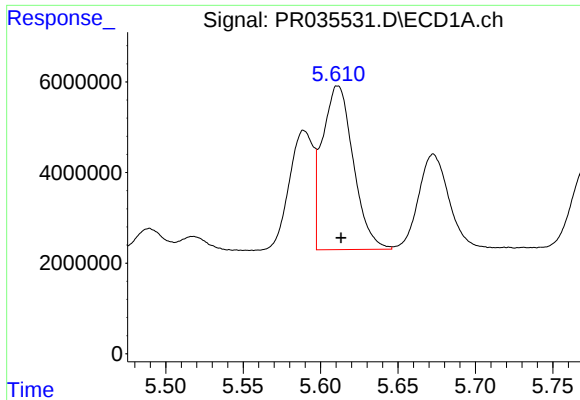
#12 AR-1232-2

R.T.: 5.323 min  
Delta R.T.: -0.001 min  
Response: 22335196  
Conc: 1213.26 ng/ml



#12 AR-1232-2

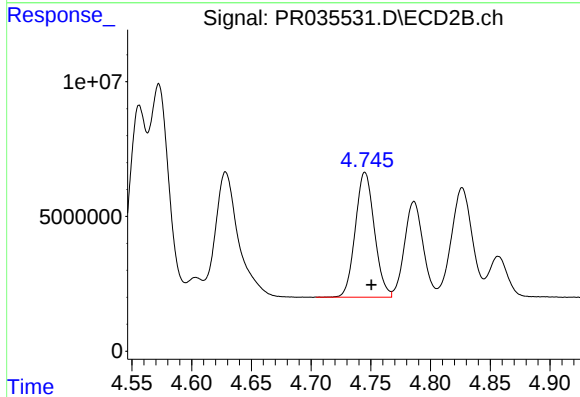
R.T.: 4.572 min  
Delta R.T.: -0.006 min  
Response: 87091429  
Conc: 898.25 ng/ml



#13 AR-1232-3

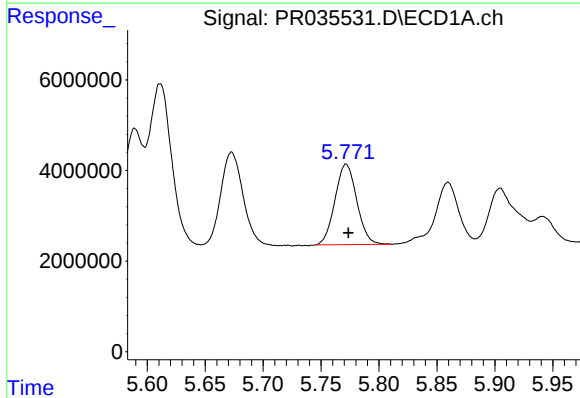
R.T.: 5.611 min  
Delta R.T.: -0.002 min  
Response: 50445142  
Conc: 1238.86 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



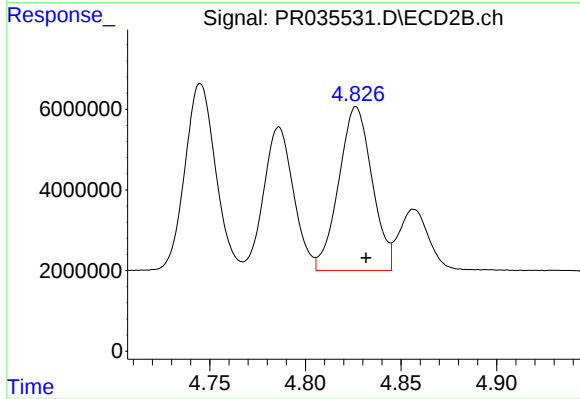
#13 AR-1232-3

R.T.: 4.745 min  
Delta R.T.: -0.005 min  
Response: 51603455  
Conc: 1036.44 ng/ml



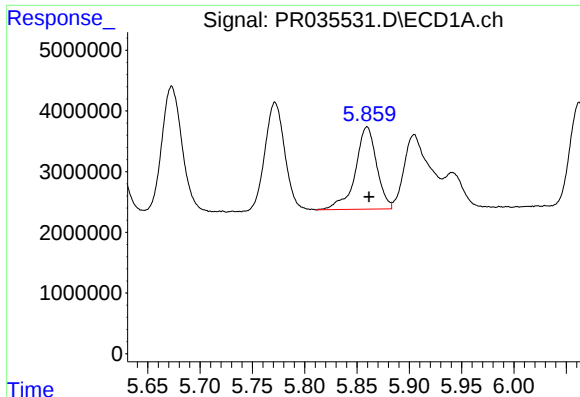
#14 AR-1232-4

R.T.: 5.772 min  
Delta R.T.: -0.002 min  
Response: 23311238  
Conc: 1146.10 ng/ml



#14 AR-1232-4

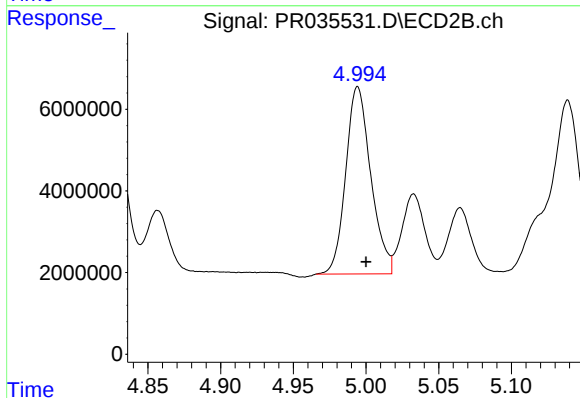
R.T.: 4.827 min  
Delta R.T.: -0.005 min  
Response: 49229456  
Conc: 1107.38 ng/ml



#15 AR-1232-5

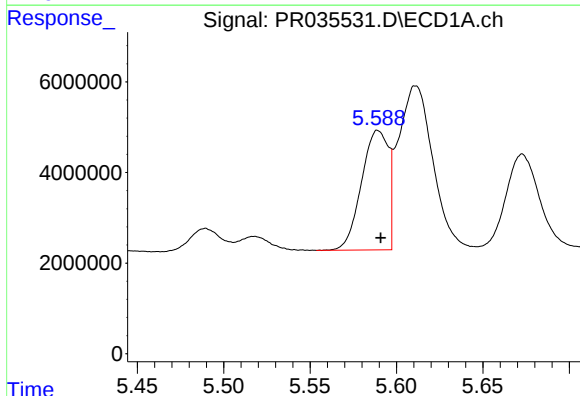
R.T.: 5.859 min  
Delta R.T.: -0.002 min  
Response: 19218853  
Conc: 1243.11 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



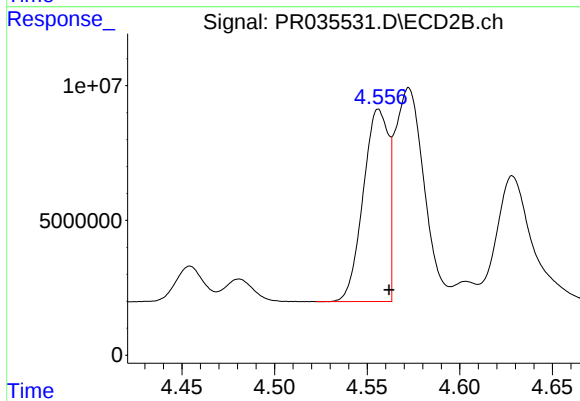
#15 AR-1232-5

R.T.: 4.994 min  
Delta R.T.: -0.006 min  
Response: 55079379  
Conc: 1076.41 ng/ml



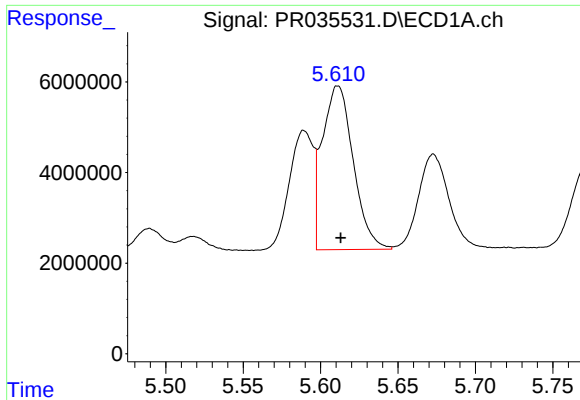
#16 AR-1242-1

R.T.: 5.590 min  
Delta R.T.: -0.001 min  
Response: 28455998  
Conc: 519.82 ng/ml



#16 AR-1242-1

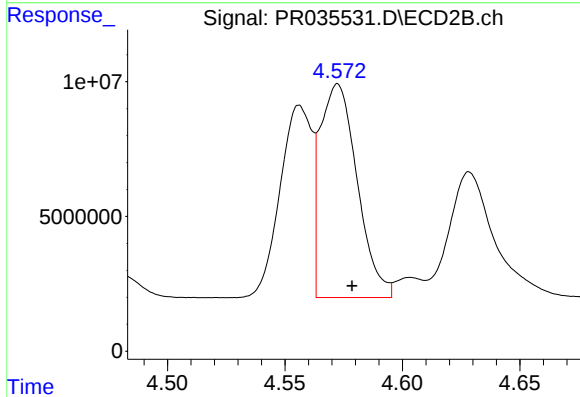
R.T.: 4.556 min  
Delta R.T.: -0.006 min  
Response: 67424371  
Conc: 540.07 ng/ml



#17 AR-1242-2

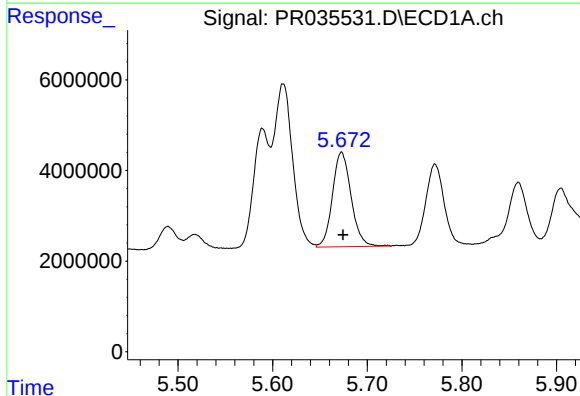
R.T.: 5.611 min  
Delta R.T.: -0.002 min  
Response: 50445142  
Conc: 617.04 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



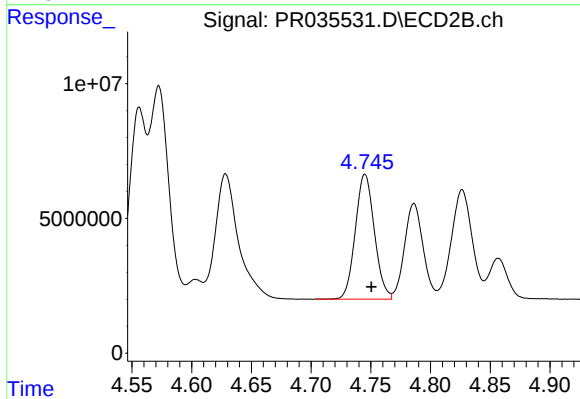
#17 AR-1242-2

R.T.: 4.572 min  
Delta R.T.: -0.006 min  
Response: 87091429  
Conc: 442.94 ng/ml



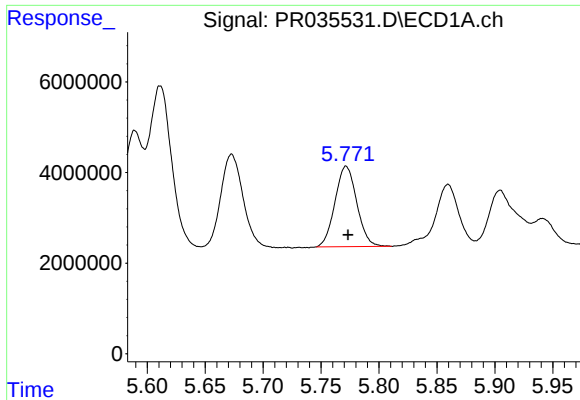
#18 AR-1242-3

R.T.: 5.673 min  
Delta R.T.: -0.002 min  
Response: 28618838  
Conc: 565.97 ng/ml



#18 AR-1242-3

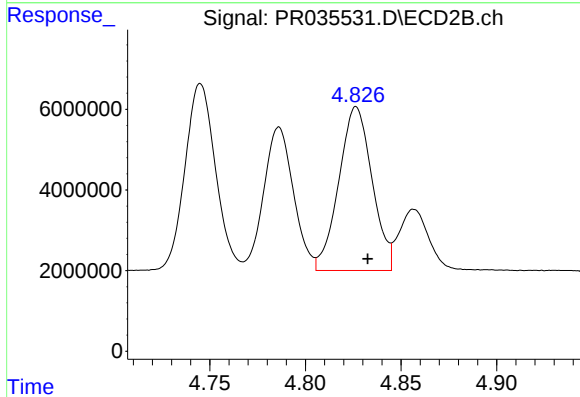
R.T.: 4.745 min  
Delta R.T.: -0.005 min  
Response: 51603455  
Conc: 502.29 ng/ml



#19 AR-1242-4

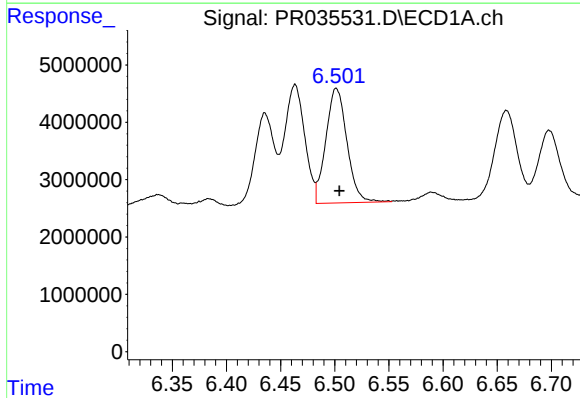
R.T.: 5.772 min  
Delta R.T.: -0.002 min  
Response: 23311238  
Conc: 559.90 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



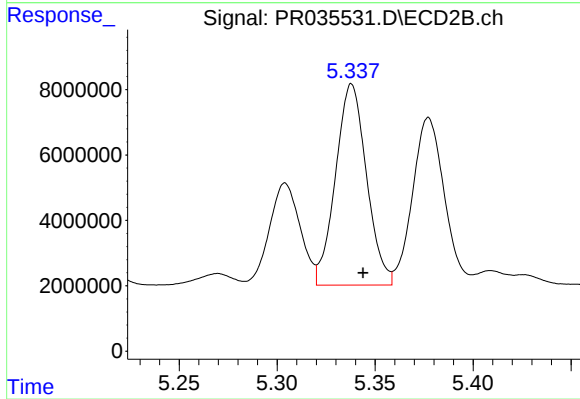
#19 AR-1242-4

R.T.: 4.827 min  
Delta R.T.: -0.006 min  
Response: 49229456  
Conc: 488.29 ng/ml



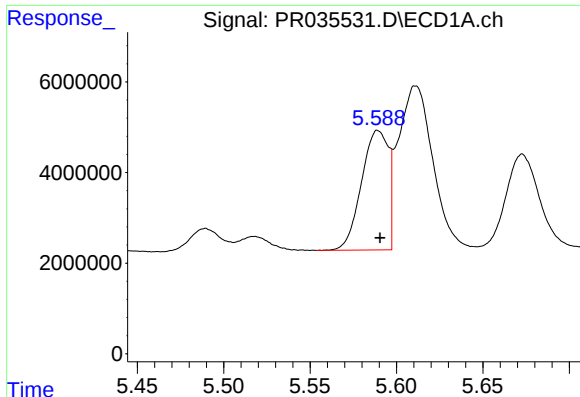
#20 AR-1242-5

R.T.: 6.502 min  
Delta R.T.: -0.003 min  
Response: 27114227  
Conc: 535.95 ng/ml



#20 AR-1242-5

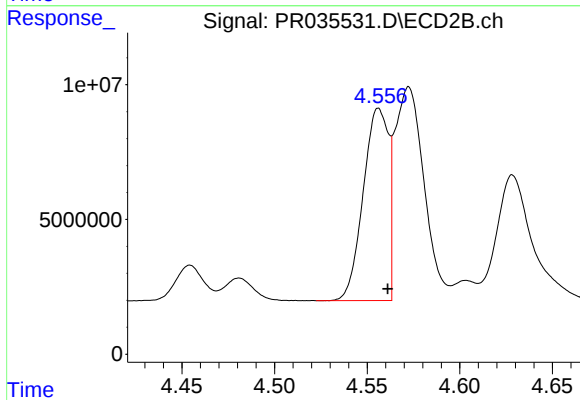
R.T.: 5.338 min  
Delta R.T.: -0.006 min  
Response: 67844466  
Conc: 468.73 ng/ml



#21 AR-1248-1

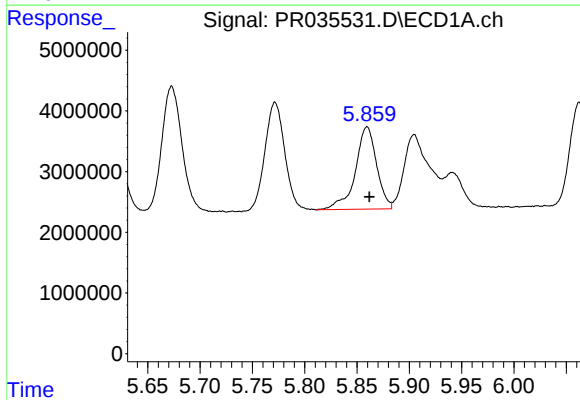
R.T.: 5.590 min  
Delta R.T.: 0.000 min  
Response: 28455998  
Conc: 733.05 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



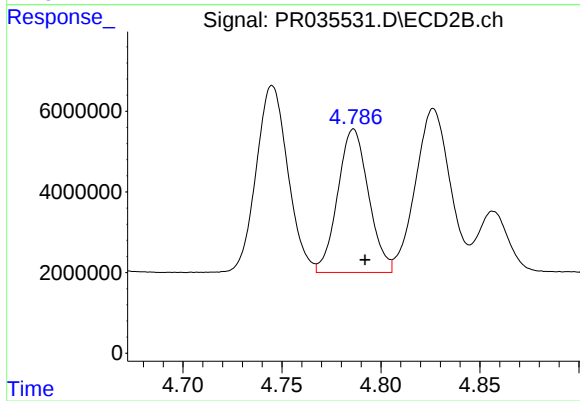
#21 AR-1248-1

R.T.: 4.556 min  
Delta R.T.: -0.005 min  
Response: 67424371  
Conc: 734.96 ng/ml



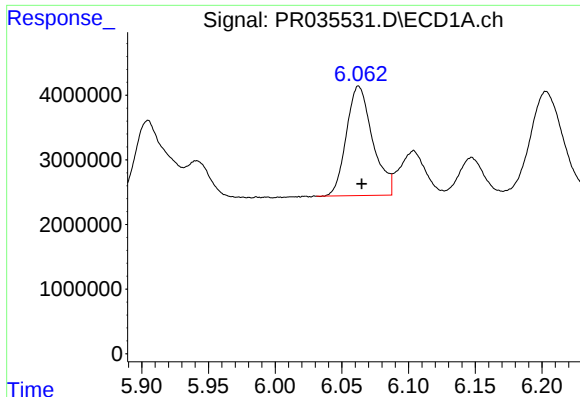
#22 AR-1248-2

R.T.: 5.859 min  
Delta R.T.: -0.002 min  
Response: 19218853  
Conc: 339.27 ng/ml



#22 AR-1248-2

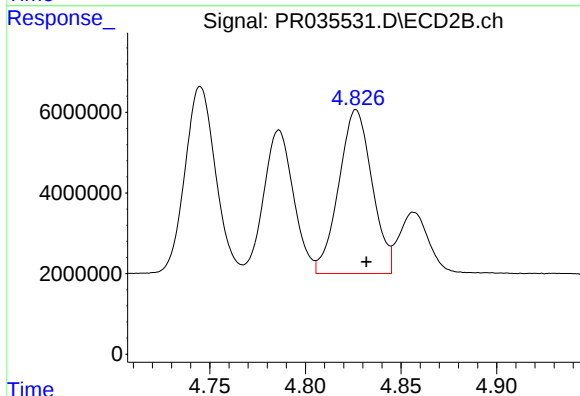
R.T.: 4.786 min  
Delta R.T.: -0.006 min  
Response: 38579186  
Conc: 300.45 ng/ml



#23 AR-1248-3

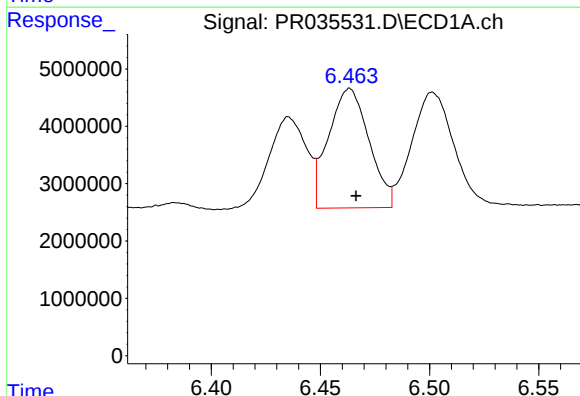
R.T.: 6.063 min  
Delta R.T.: -0.002 min  
Response: 23177300  
Conc: 361.88 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



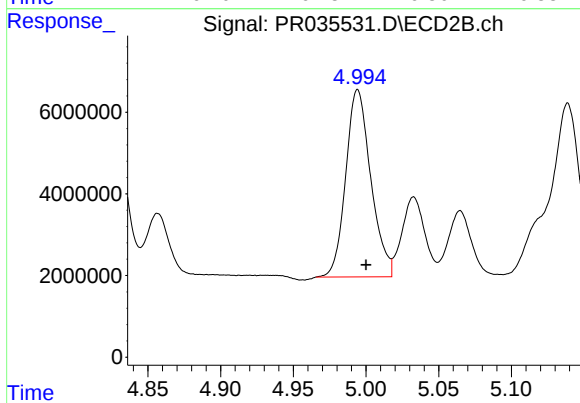
#23 AR-1248-3

R.T.: 4.827 min  
Delta R.T.: -0.005 min  
Response: 49229456  
Conc: 371.29 ng/ml



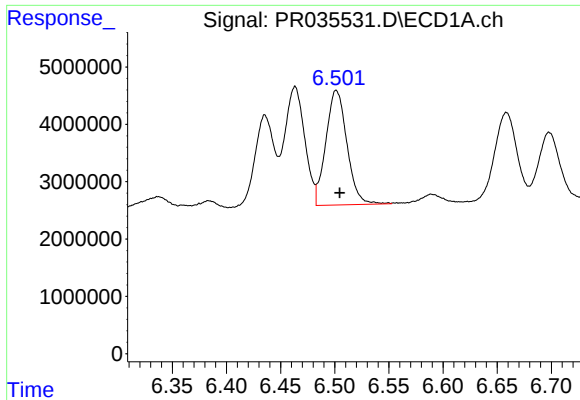
#24 AR-1248-4

R.T.: 6.463 min  
Delta R.T.: -0.003 min  
Response: 26897962  
Conc: 342.03 ng/ml



#24 AR-1248-4

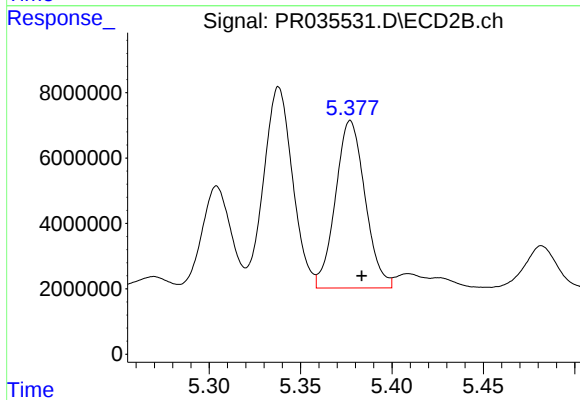
R.T.: 4.994 min  
Delta R.T.: -0.006 min  
Response: 55079379  
Conc: 329.55 ng/ml



#25 AR-1248-5

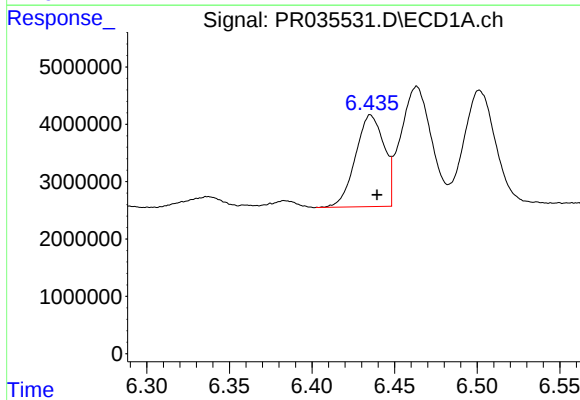
R.T.: 6.502 min  
Delta R.T.: -0.003 min  
Response: 27114227  
Conc: 364.69 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



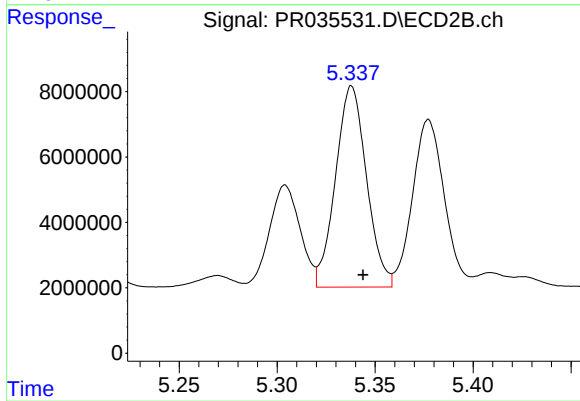
#25 AR-1248-5

R.T.: 5.377 min  
Delta R.T.: -0.006 min  
Response: 57754023  
Conc: 326.66 ng/ml



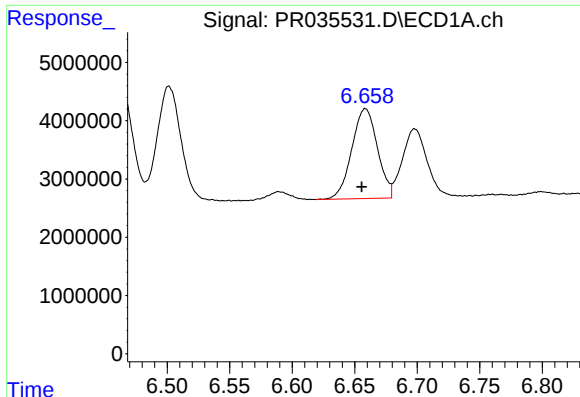
#26 AR-1254-1

R.T.: 6.436 min  
Delta R.T.: -0.004 min  
Response: 19200278  
Conc: 172.94 ng/ml



#26 AR-1254-1

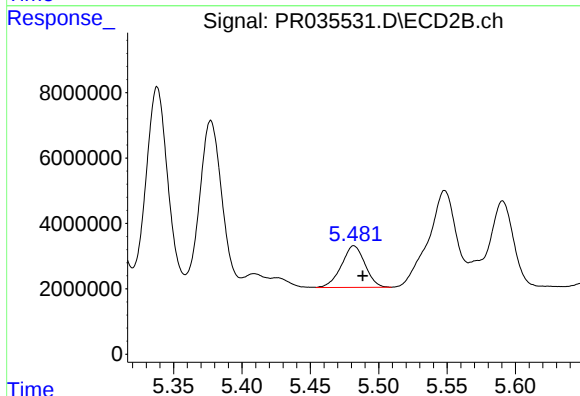
R.T.: 5.338 min  
Delta R.T.: -0.006 min  
Response: 67844466  
Conc: 175.50 ng/ml



#27 AR-1254-2

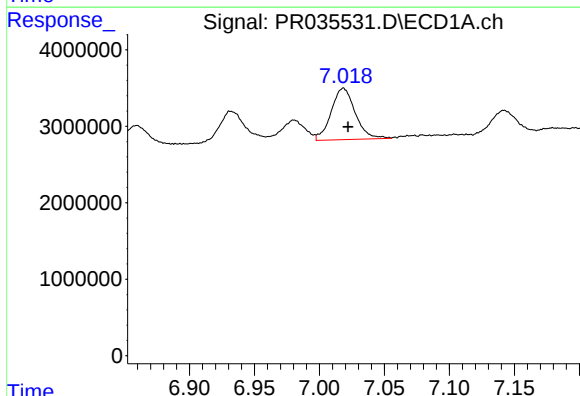
R.T.: 6.659 min  
Delta R.T.: 0.003 min  
Response: 22055879  
Conc: 124.17 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



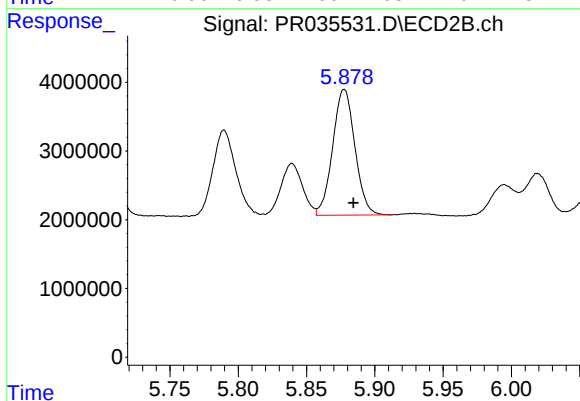
#27 AR-1254-2

R.T.: 5.482 min  
Delta R.T.: -0.007 min  
Response: 15302515  
Conc: 45.02 ng/ml



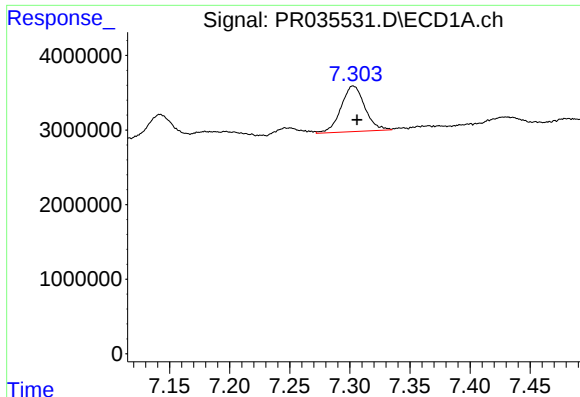
#28 AR-1254-3

R.T.: 7.018 min  
Delta R.T.: -0.004 min  
Response: 8698115  
Conc: 45.59 ng/ml



#28 AR-1254-3

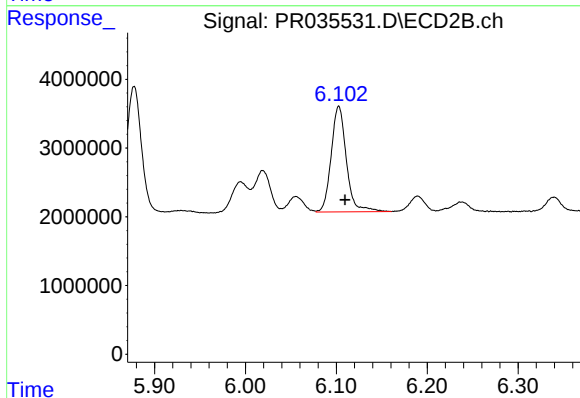
R.T.: 5.878 min  
Delta R.T.: -0.007 min  
Response: 20722637  
Conc: 35.39 ng/ml



#29 AR-1254-4

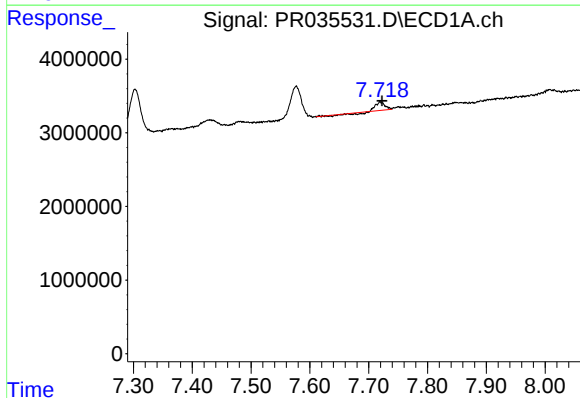
R.T.: 7.303 min  
Delta R.T.: -0.003 min  
Response: 8457719  
Conc: 52.52 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



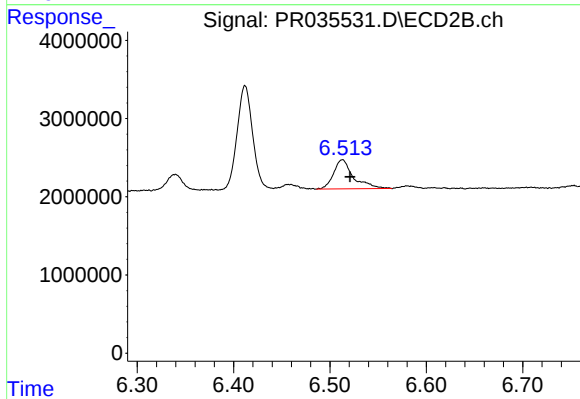
#29 AR-1254-4

R.T.: 6.103 min  
Delta R.T.: -0.007 min  
Response: 17803529  
Conc: 45.36 ng/ml



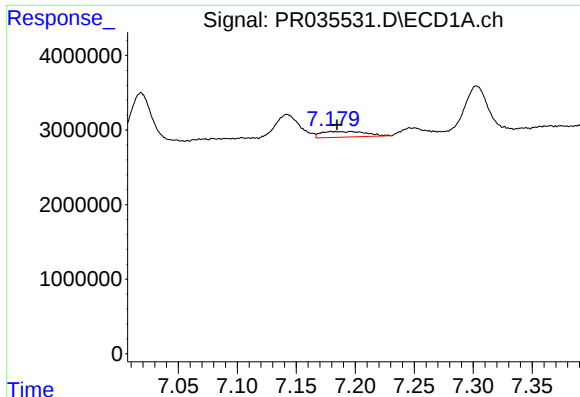
#30 AR-1254-5

R.T.: 7.720 min  
Delta R.T.: -0.002 min  
Response: 831112  
Conc: 5.04 ng/ml



#30 AR-1254-5

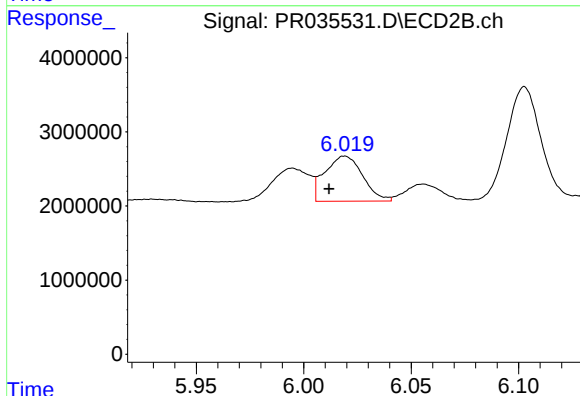
R.T.: 6.513 min  
Delta R.T.: -0.008 min  
Response: 5365230  
Conc: 9.70 ng/ml



#31 AR-1260-1

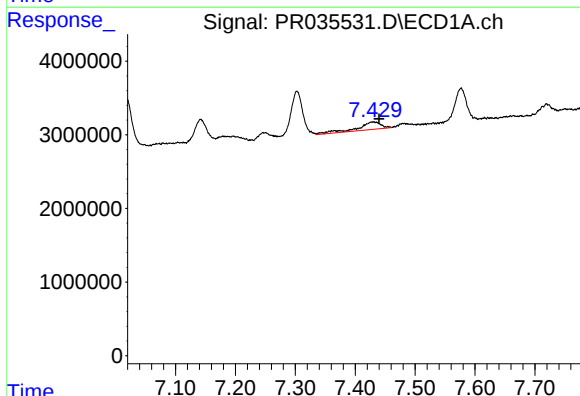
R.T.: 7.196 min  
Delta R.T.: 0.012 min  
Response: 1977873  
Conc: 11.50 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



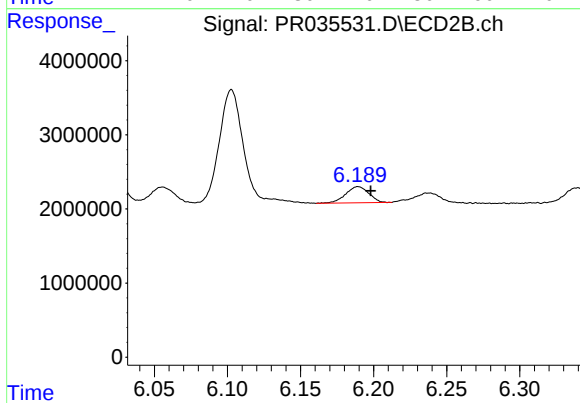
#31 AR-1260-1

R.T.: 6.019 min  
Delta R.T.: 0.007 min  
Response: 7473149  
Conc: 16.53 ng/ml



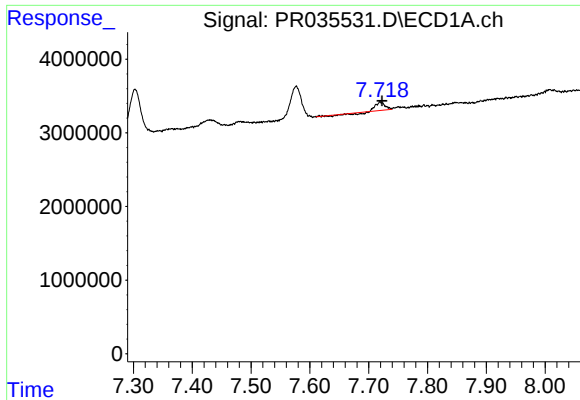
#32 AR-1260-2

R.T.: 7.430 min  
Delta R.T.: -0.010 min  
Response: 2749260  
Conc: 11.36 ng/ml



#32 AR-1260-2

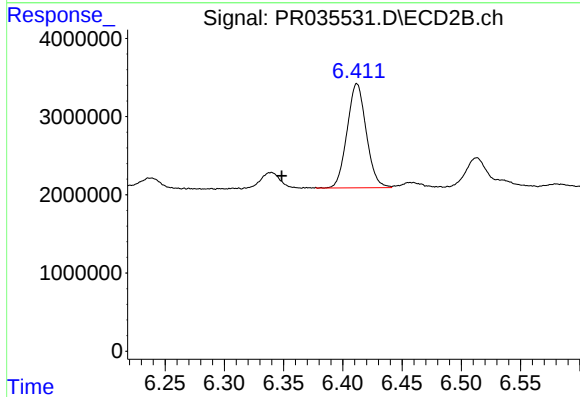
R.T.: 6.189 min  
Delta R.T.: -0.009 min  
Response: 2405478  
Conc: 3.96 ng/ml



#33 AR-1260-3

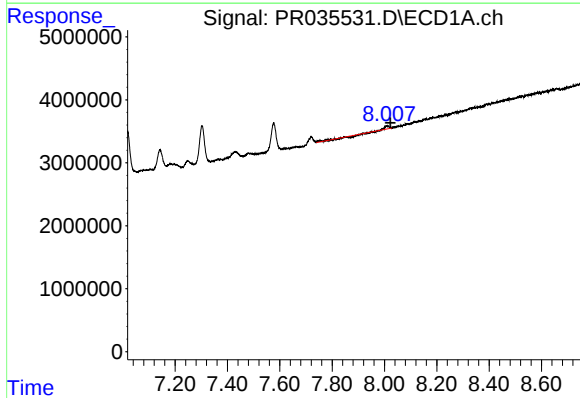
R.T.: 7.720 min  
Delta R.T.: -0.002 min  
Response: 831112  
Conc: 3.12 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



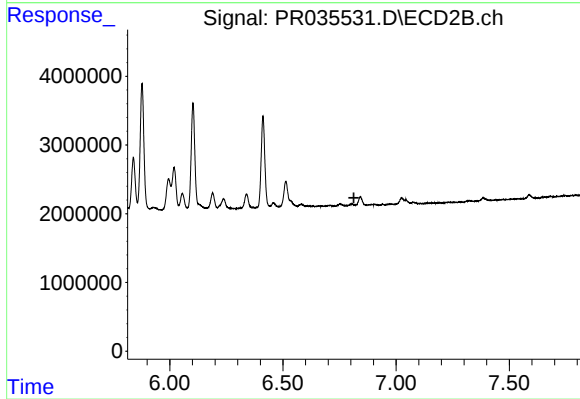
#33 AR-1260-3

R.T.: 6.412 min  
Delta R.T.: 0.063 min  
Response: 14959458  
Conc: 27.60 ng/ml



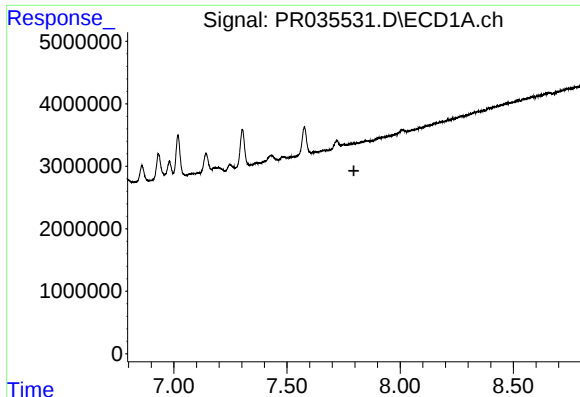
#34 AR-1260-4

R.T.: 8.008 min  
Delta R.T.: -0.015 min  
Response: 94215  
Conc: 0.50 ng/ml



#34 AR-1260-4

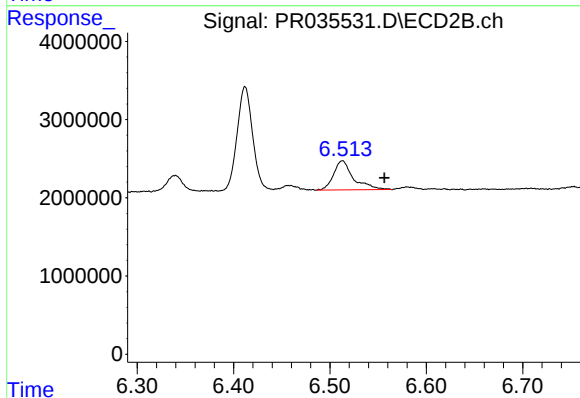
R.T.: 0.000 min  
Exp R.T.: 6.814 min  
Response: 0  
Conc: N.D.



#36 AR-1262-1

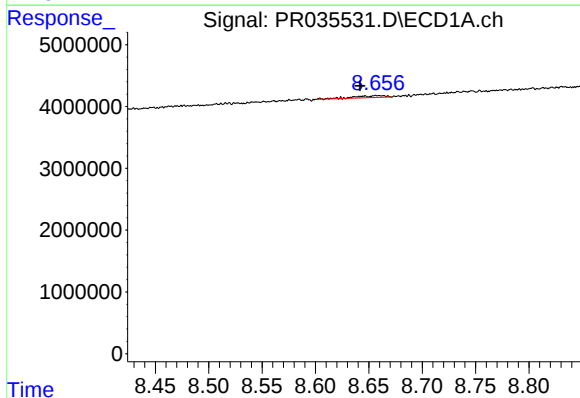
R.T.: 0.000 min  
Exp R.T.: 7.795 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



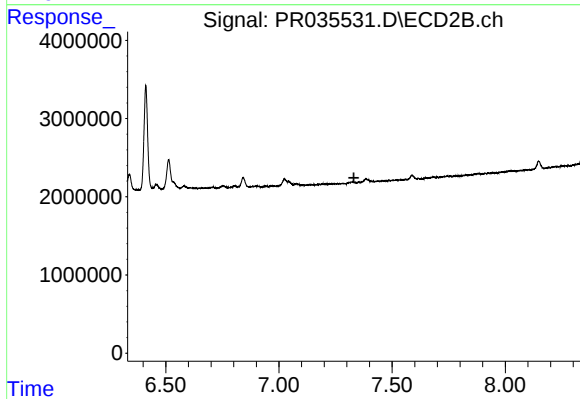
#36 AR-1262-1

R.T.: 6.513 min  
Delta R.T.: -0.043 min  
Response: 5365230  
Conc: 11.27 ng/ml



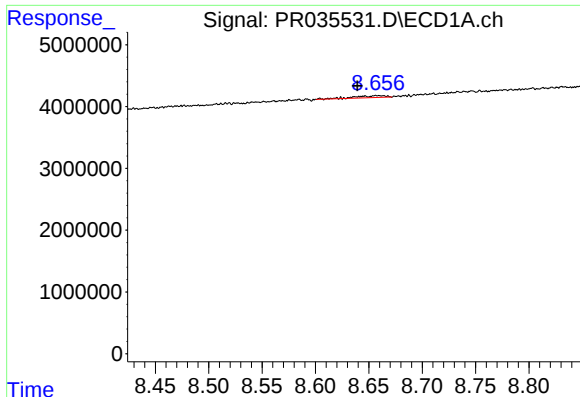
#38 AR-1262-3

R.T.: 8.659 min  
Delta R.T.: 0.017 min  
Response: 634826  
Conc: 3.11 ng/ml



#38 AR-1262-3

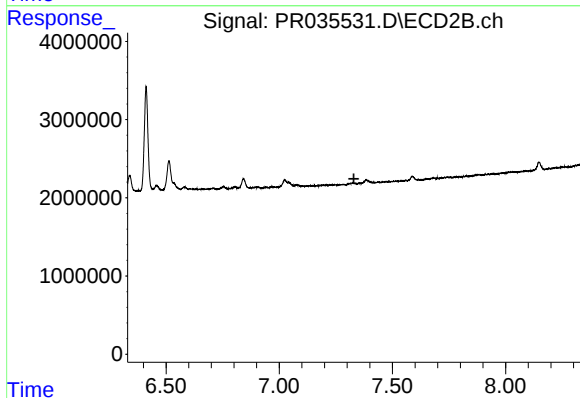
R.T.: 0.000 min  
Exp R.T.: 7.331 min  
Response: 0  
Conc: N.D.



#41 AR-1268-1

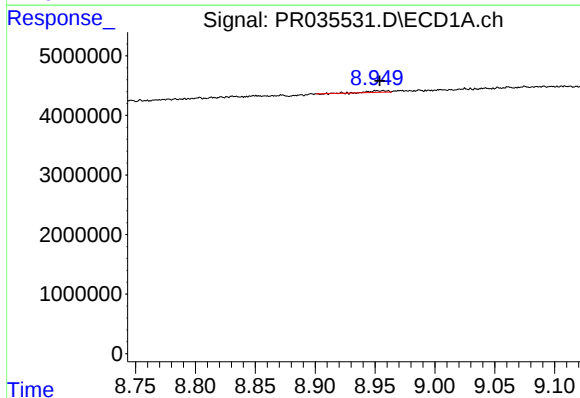
R.T.: 8.659 min  
Delta R.T.: 0.019 min  
Response: 634826  
Conc: 1.08 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



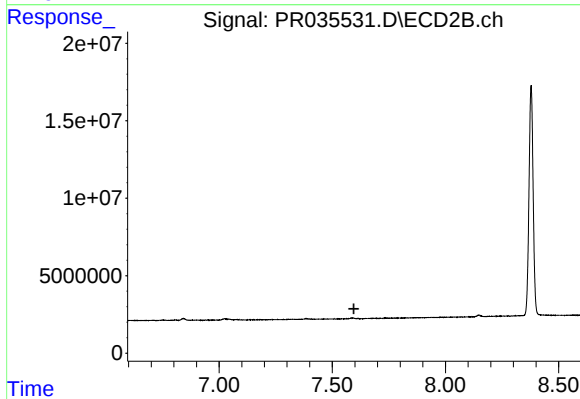
#41 AR-1268-1

R.T.: 0.000 min  
Exp R.T. : 7.330 min  
Response: 0  
Conc: N.D.



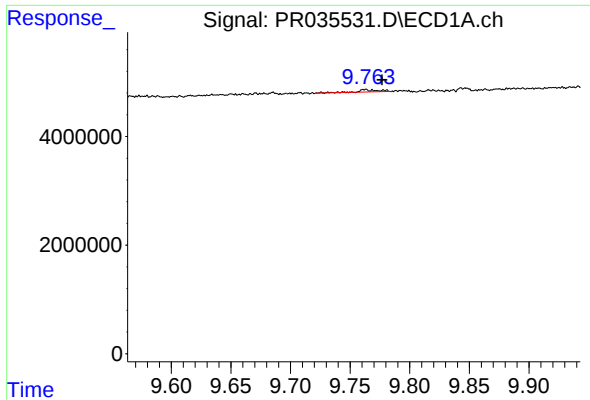
#43 AR-1268-3

R.T.: 8.956 min  
Delta R.T.: 0.002 min  
Response: 227307  
Conc: 0.51 ng/ml



#43 AR-1268-3

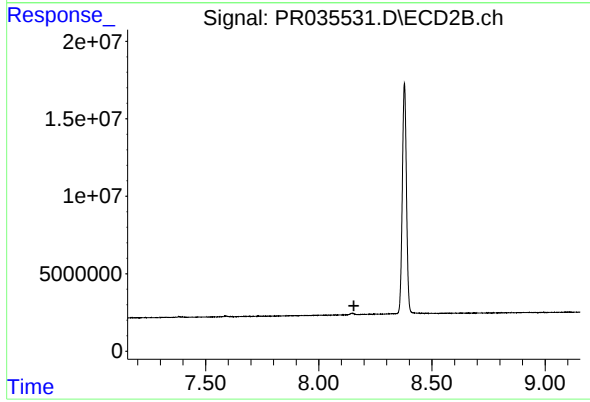
R.T.: 0.000 min  
Exp R.T. : 7.595 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 9.764 min  
Delta R.T.: -0.013 min  
Response: 495887  
Conc: 0.41 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :  
AR1242316



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T. : 8.155 min  
Response: 0  
Conc: N.D.