Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_R\Data\PR062723\
Data File : PR062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2023 10:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_R
**ClientSampleId :**

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 15:05:45 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_R\Method\PR061923.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Jun 19 13:30:08 2023
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml | |
|---|---|---|---|---|---|---|---|---|
| | **System Monitoring Compounds** | | | | | | | |
| 1) | SA Tetrachlo... | 3.689 | 2.961 | 118.6E6 | 149.5E6 | 53.932 | 54.410 | |
| 2) | SA Decachlor... | 9.623 | 8.245 | 76992445 | 171.6E6 | 53.210 | 48.382 | |
| | **Target Compounds** | | | | | | | |
| 3) | L1 AR-1016-1 | 4.919 | 4.085 | 39790339 | 53975416 | 534.397 | 531.339 | |
| 4) | L1 AR-1016-2 | 4.941 | 4.104 | 57727165 | 76048989 | 545.982 | 540.508 | |
| 5) | L1 AR-1016-3 | 5.005 | 4.284 | 35657039 | 41503154 | 531.567 | 530.318 | |
| 6) | L1 AR-1016-4 | 5.109 | 4.334 | 28801636 | 33110619 | 538.202 | 516.440 | |
| 7) | L1 AR-1016-5 | 5.425 | 4.553 | 29433112 | 43054886 | 531.455 | 518.005 | |
| 8) | L2 AR-1221-1 | 3.909 | 3.186 | 4429072 | 5589672 | 164.149 | 155.881 | |
| 9) | L2 AR-1221-2 | 4.001 | 3.273 | 5671314 | 8181504 | 296.877 | 297.359 | |
| 10) | L2 AR-1221-3 | 4.080 | 3.351 | 22144272 | 29065091 | 365.584 | 360.456 | |
| 11) | L3 AR-1232-1 | 4.080 | 3.351 | 22144272 | 29065091 | 484.269 | 481.472 | |
| 12) | L3 AR-1232-2 | 4.632 | 4.104 | 30513175 | 76048989 | 1148.189 | 1225.198 | |
| 13) | L3 AR-1232-3 | 4.941 | 4.284 | 57727165 | 41503154 | 1252.533 | 1190.237 | |
| 14) | L3 AR-1232-4 | 5.109 | 4.376 | 28801636 | 39918284 | 1260.040 | 1271.310 | |
| 15) | L3 AR-1232-5 | 5.212 | 4.553 | 24218393 | 43054886 | 1316.117 | 1195.234 | |
| 16) | L4 AR-1242-1 | 4.919 | 4.085 | 39790339 | 53975416 | 717.096 | 708.950 | |
| 17) | L4 AR-1242-2 | 4.941 | 4.104 | 57727165 | 76048989 | 734.300 | 730.380 | |
| 18) | L4 AR-1242-3 | 5.005 | 4.284 | 35657039 | 41503154 | 711.953 | 704.134 | |
| 19) | L4 AR-1242-4 | 5.109 | 4.376 | 28801636 | 39918284 | 714.898 | 672.422 | |
| 20) | L4 AR-1242-5 | 5.898 | 4.925 | 4066852 | 35122201 | 103.184 | 446.722 | # |
| 21) | L5 AR-1248-1 | 4.919 | 4.085 | 39790339 | 53975416 | 931.065 | 881.947 | |
| 22) | L5 AR-1248-2 | 5.212 | 4.334 | 24218393 | 33110619 | 390.524 | 384.207 | |
| 23) | L5 AR-1248-3 | 5.425 | 4.376 | 29433112 | 39918284 | 409.137 | 448.621 | |
| 24) | L5 AR-1248-4 | 5.859 | 4.553 | 4213364 | 43054886 | 57.655 | 399.114 | # |
| 25) | L5 AR-1248-5 | 5.898 | 4.968 | 4066852 | 5348433 | 57.116 | 49.999 | |
| 26) | L6 AR-1254-1 | 5.830 | 4.925 | 22310845 | 35122201 | 279.667 | 220.142 | |
| 27) | L6 AR-1254-2 | 6.068 | 5.085 | 24058014 | 34168393 | 204.544 | 235.274 | |
| 28) | L6 AR-1254-3 | 6.460 | 5.528f | 12512817 | 63021348 | 109.148 | 266.399 | # |
| 29) | L6 AR-1254-4 | 6.771 | 5.757 | 9279876 | 7437137 | 116.065 | 48.835 | # |
| 30) | L6 AR-1254-5 | 7.226 | 6.203 | 67815189 | 138.3E6 | 756.025 | 564.276 | # |
| 31) | L7 AR-1260-1 | 6.640 | 5.650 | 53128559 | 90569940 | 534.278 | 521.715 | |
| 32) | L7 AR-1260-2 | 6.923 | 5.855 | 58090285 | 112.0E6 | 527.083 | 509.202 | |
| 33) | L7 AR-1260-3 | 7.314 | 6.015 | 36923836 | 107.2E6 | 533.409 | 512.635 | |
| 34) | L7 AR-1260-4 | 7.557 | 6.524 | 43471423 | 79994643 | 530.802 | 506.365 | |
| 35) | L7 AR-1260-5 | 7.894 | 6.788 | 77267329 | 193.1E6 | 548.827 | 519.931 | |
| 36) | L8 AR-1262-1 | 7.314 | 6.247 | 36923836 | 84055783 | 344.000 | 354.441 | |
| 37) | L8 AR-1262-2 | 7.894 | 6.788 | 77267329 | 193.1E6 | 465.389 | 440.501 | |
| 38) | L8 AR-1262-3 | 8.210 | 7.095 | 49124244 | 36783364 | 429.920 | 195.158 | # |
| 39) | L8 AR-1262-4 | 8.288 | 7.161 | 12171831 | 142.6E6 | 136.330 | 424.038 | # |
| 40) | L8 AR-1262-5 | 8.919 | 7.701 | 18732269 | 43420208 | 317.779 | 270.964 | |
| 41) | L9 AR-1268-1 | 8.210 | 7.095 | 49124244 | 36783364 | 248.427 | 71.496 | # |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_R\Data\PR062723\
Data File : PR062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2023 10:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_R
**ClientSampleId :**

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 15:05:45 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_R\Method\PR061923.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Jun 19 13:30:08 2023
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| 42) | L9 AR-1268-2 | 8.288 | 7.161 | 12171831 | 142.6E6 | 66.805 | 299.713 # |
| 43) | L9 AR-1268-3 | 8.511 | 7.388 | 1757739 | 3242669 | 11.235 | 7.918 # |
| 44) | L9 AR-1268-4 | 8.919 | 7.701 | 18732269 | 43420208 | 291.094 | 247.047 |
| 45) | L9 AR-1268-5 | 9.309 | 7.998 | 6248278 | 15084031 | 13.582 | 11.710 |

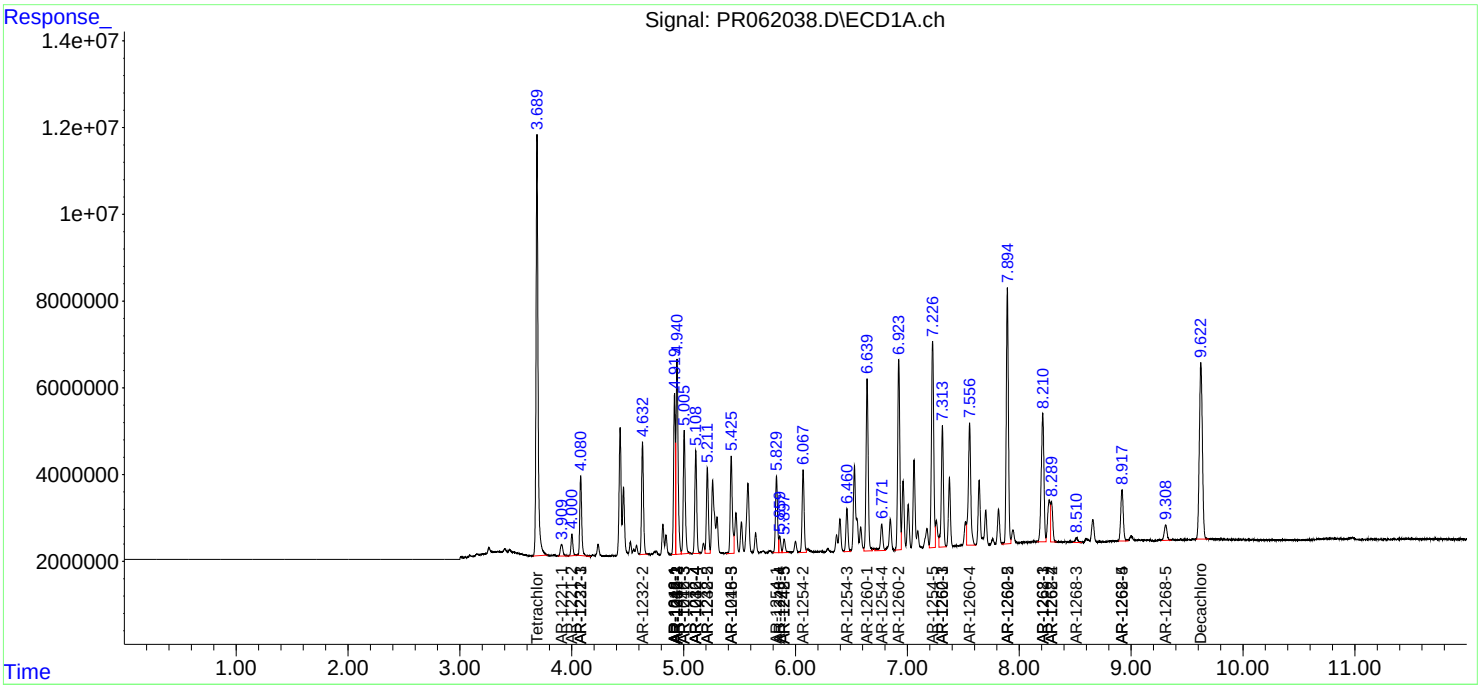
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

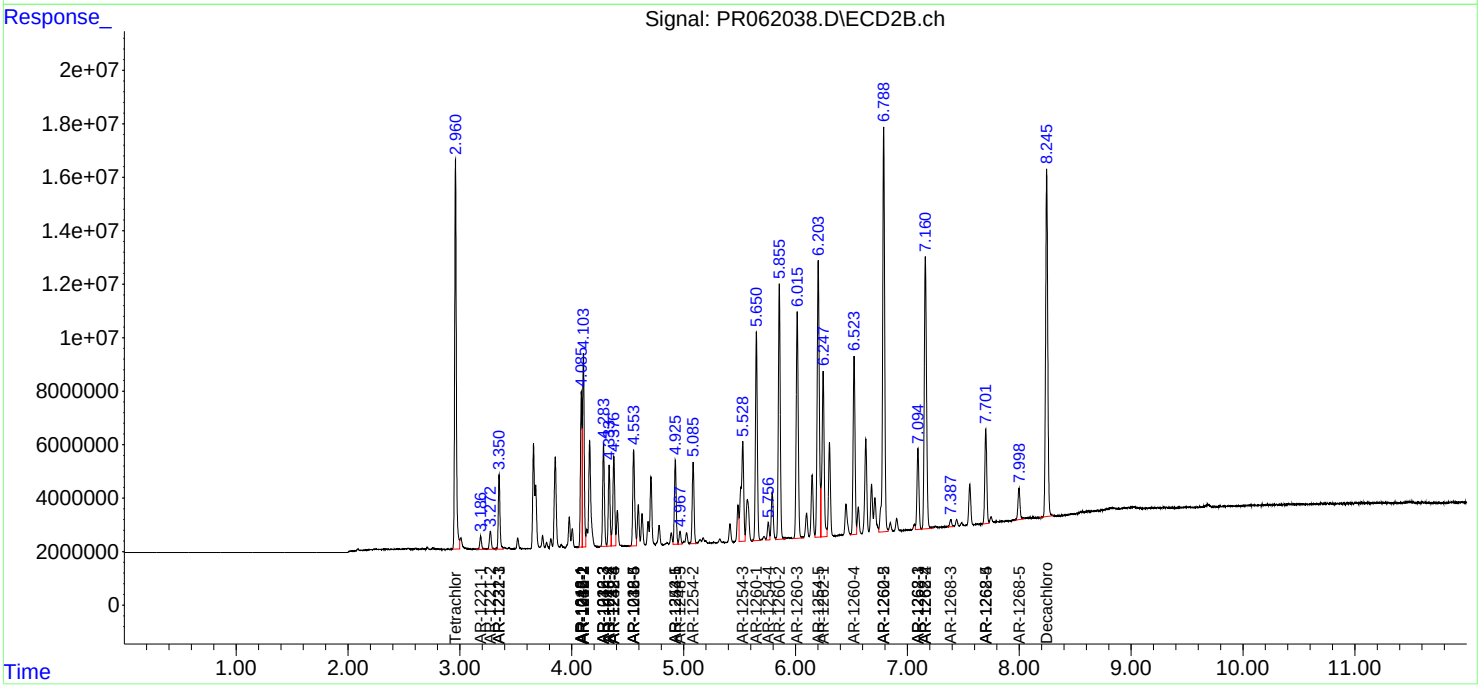
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_R\Data\PR062723\
Data File : PR062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2023 10:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

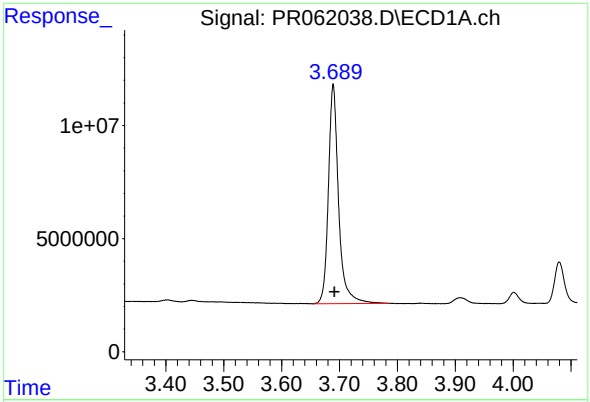
**Instrument :**
ECD_R
**ClientSampleId :**

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 15:05:45 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_R\Method\PR061923.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Jun 19 13:30:08 2023
Response via : Initial Calibration
Integrator: ChemStation

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



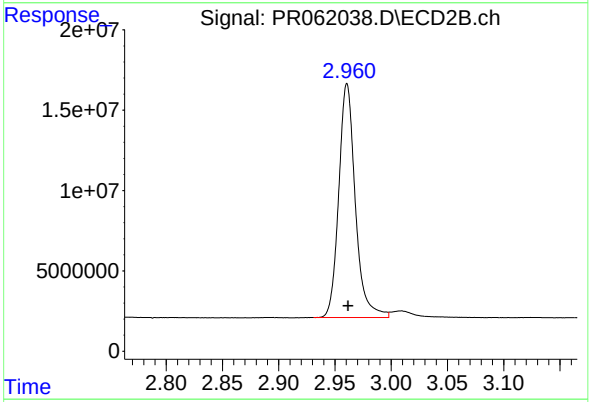






#1 Tetrachloro-m-xylene

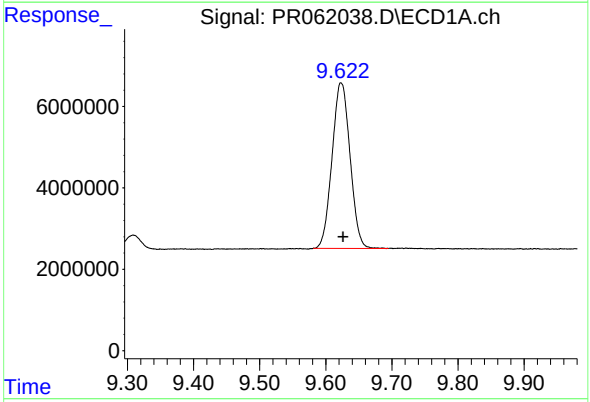
R.T.: 3.689 min
Delta R.T.: -0.002 min
Response: 118592544
Conc: 53.93 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



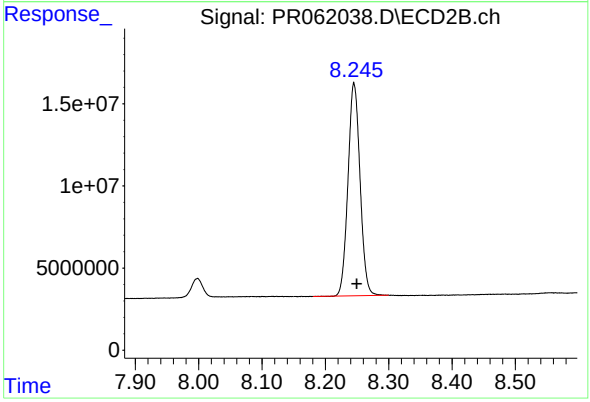

#1 Tetrachloro-m-xylene

R.T.: 2.961 min
Delta R.T.: 0.000 min
Response: 149466314
Conc: 54.41 ng/ml



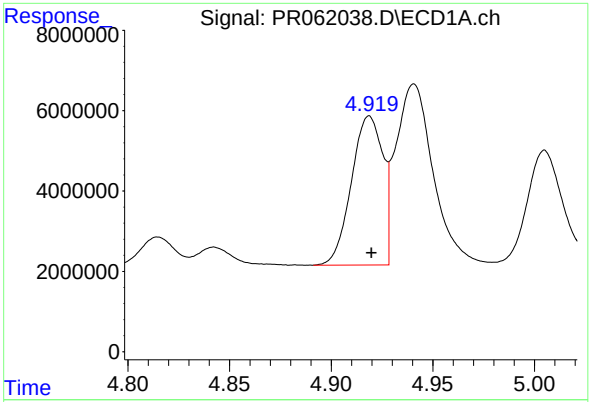

#2 Decachlorobiphenyl

R.T.: 9.623 min
Delta R.T.: -0.003 min
Response: 76992445
Conc: 53.21 ng/ml




#2 Decachlorobiphenyl

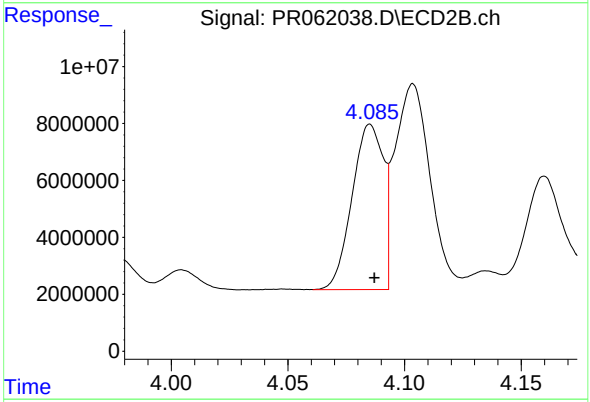
R.T.: 8.245 min
Delta R.T.: -0.004 min
Response: 171581427
Conc: 48.38 ng/ml




#3 AR-1016-1

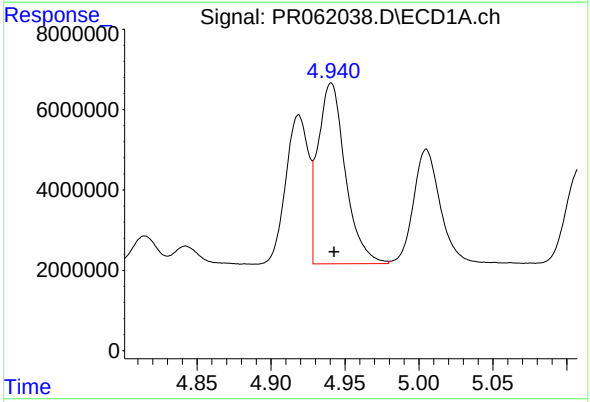
R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 39790339
Conc: 534.40 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



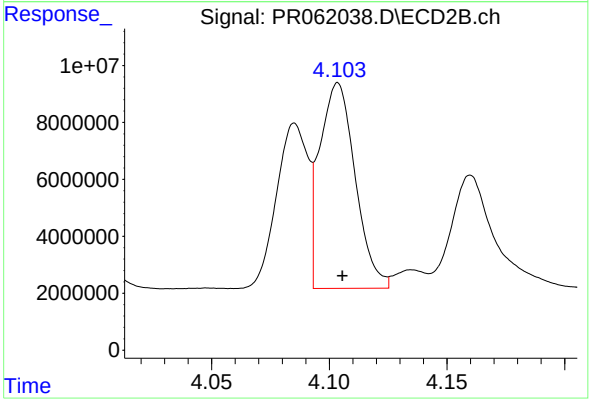

#3 AR-1016-1

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 53975416
Conc: 531.34 ng/ml



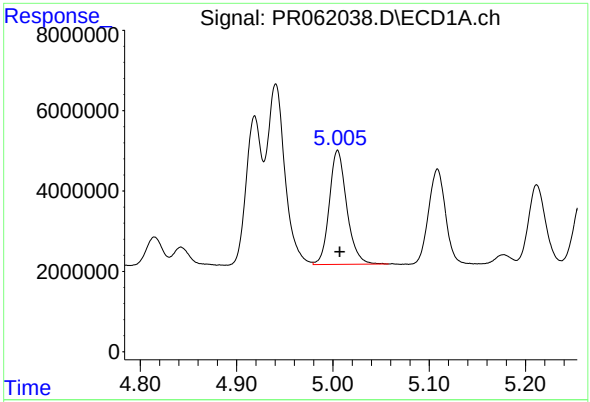

#4 AR-1016-2

R.T.: 4.941 min
Delta R.T.: -0.002 min
Response: 57727165
Conc: 545.98 ng/ml




#4 AR-1016-2

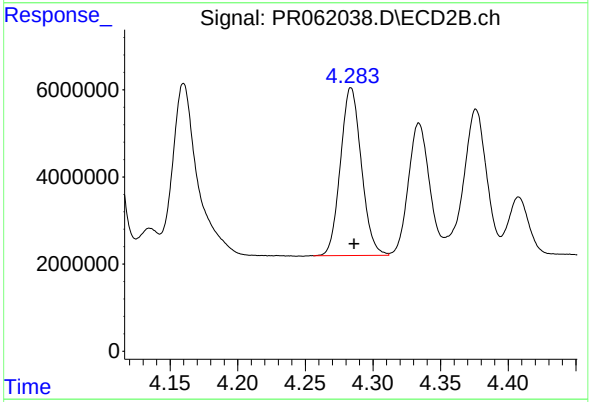
R.T.: 4.104 min
Delta R.T.: -0.002 min
Response: 76048989
Conc: 540.51 ng/ml




#5 AR-1016-3

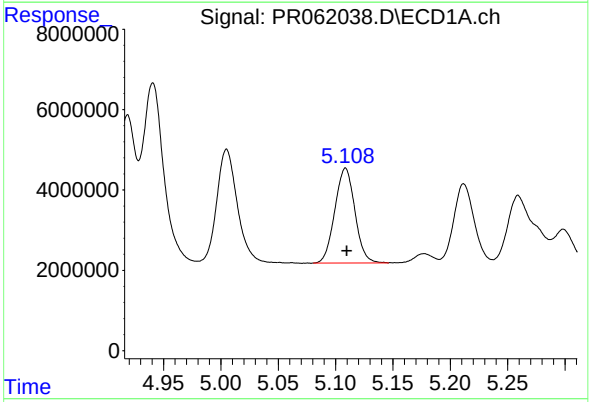
R.T.: 5.005 min
Delta R.T.: -0.002 min
Response: 35657039
Conc: 531.57 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



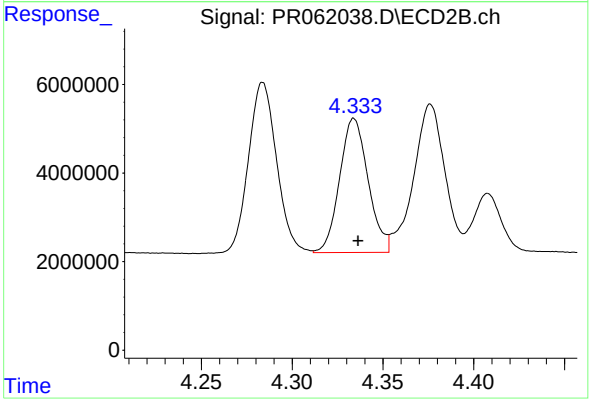

#5 AR-1016-3

R.T.: 4.284 min
Delta R.T.: -0.002 min
Response: 41503154
Conc: 530.32 ng/ml



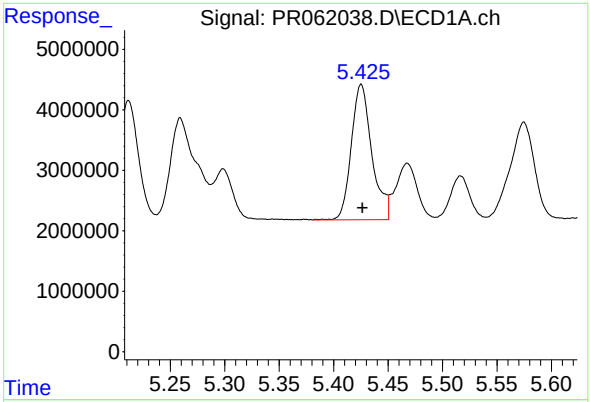

#6 AR-1016-4

R.T.: 5.109 min
Delta R.T.: -0.001 min
Response: 28801636
Conc: 538.20 ng/ml




#6 AR-1016-4

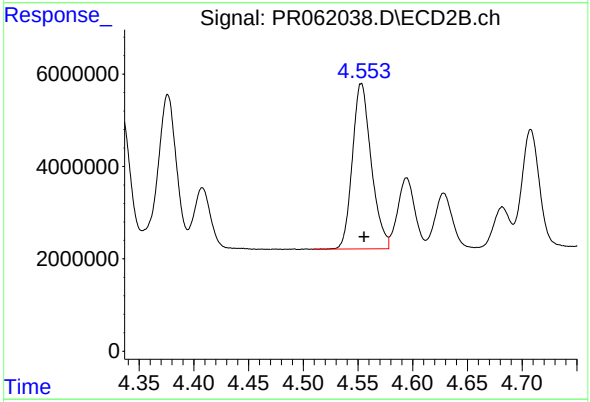
R.T.: 4.334 min
Delta R.T.: -0.002 min
Response: 33110619
Conc: 516.44 ng/ml




#7 AR-1016-5

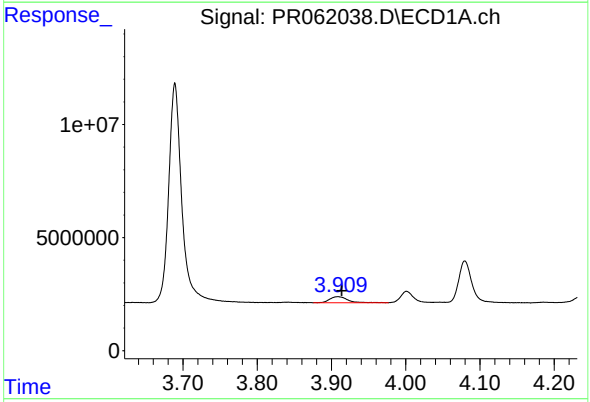
R.T.: 5.425 min
Delta R.T.: -0.001 min
Response: 29433112
Conc: 531.45 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



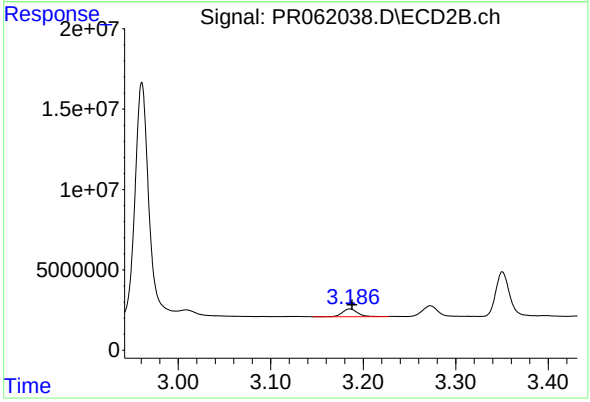

#7 AR-1016-5

R.T.: 4.553 min
Delta R.T.: -0.003 min
Response: 43054886
Conc: 518.01 ng/ml



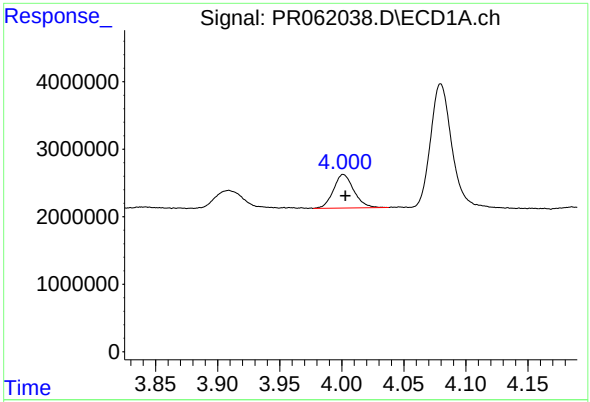

#8 AR-1221-1

R.T.: 3.909 min
Delta R.T.: -0.005 min
Response: 4429072
Conc: 164.15 ng/ml




#8 AR-1221-1

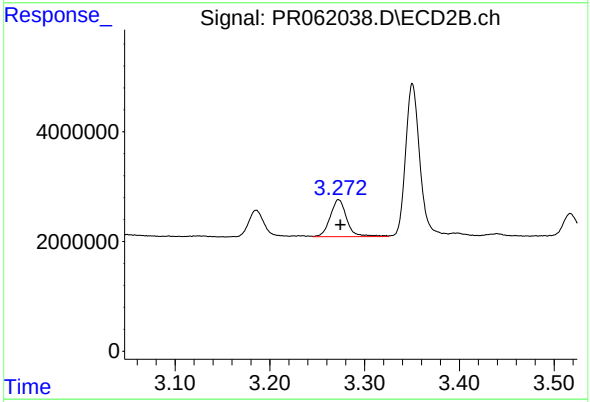
R.T.: 3.186 min
Delta R.T.: -0.002 min
Response: 5589672
Conc: 155.88 ng/ml




#9 AR-1221-2

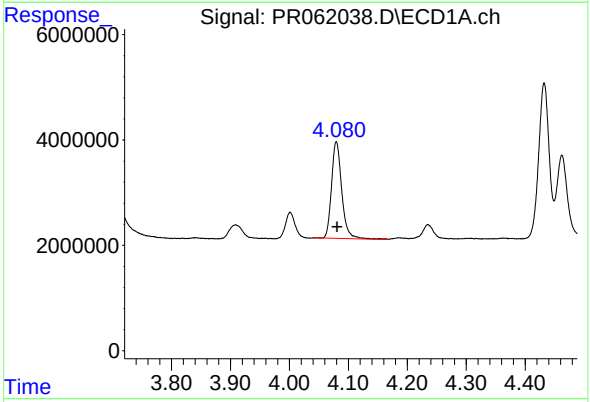
R.T.: 4.001 min
Delta R.T.: -0.002 min
Response: 5671314
Conc: 296.88 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



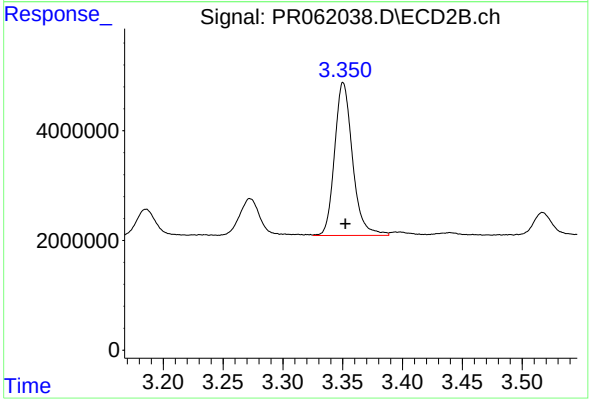

#9 AR-1221-2

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 8181504
Conc: 297.36 ng/ml



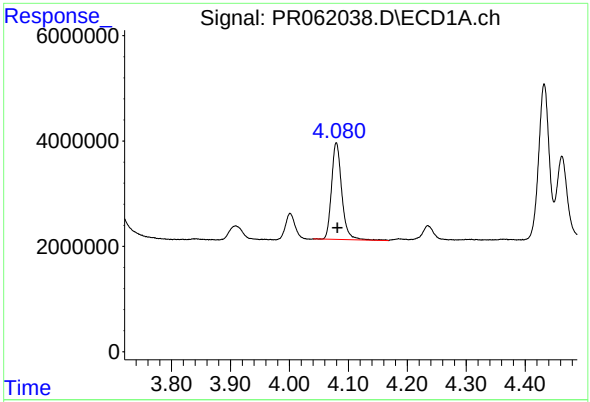

#10 AR-1221-3

R.T.: 4.080 min
Delta R.T.: -0.001 min
Response: 22144272
Conc: 365.58 ng/ml




#10 AR-1221-3

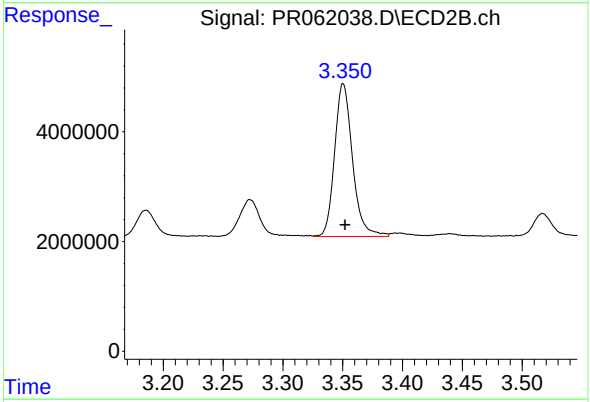
R.T.: 3.351 min
Delta R.T.: -0.002 min
Response: 29065091
Conc: 360.46 ng/ml




#11 AR-1232-1

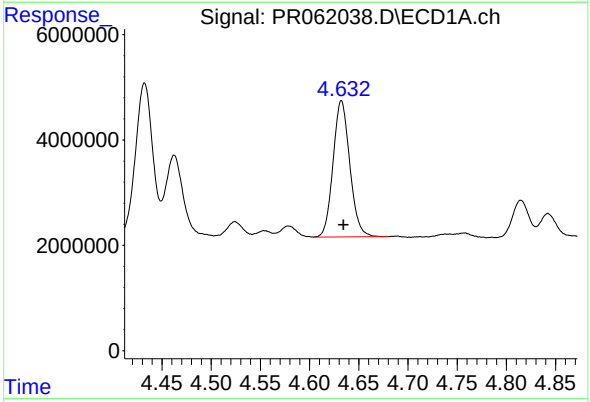
R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 22144272
Conc: 484.27 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



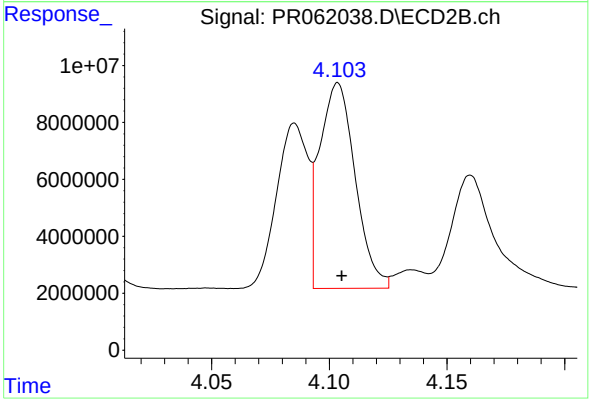

#11 AR-1232-1

R.T.: 3.351 min
Delta R.T.: -0.001 min
Response: 29065091
Conc: 481.47 ng/ml



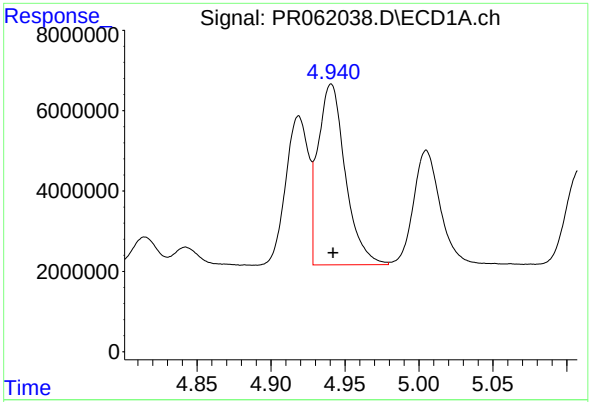

#12 AR-1232-2

R.T.: 4.632 min
Delta R.T.: -0.002 min
Response: 30513175
Conc: 1148.19 ng/ml




#12 AR-1232-2

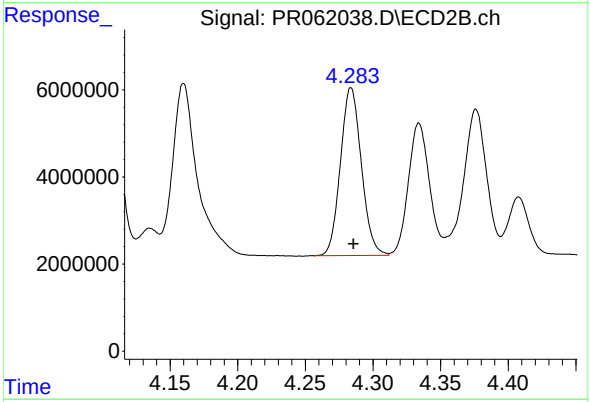
R.T.: 4.104 min
Delta R.T.: -0.002 min
Response: 76048989
Conc: 1225.20 ng/ml




#13 AR-1232-3

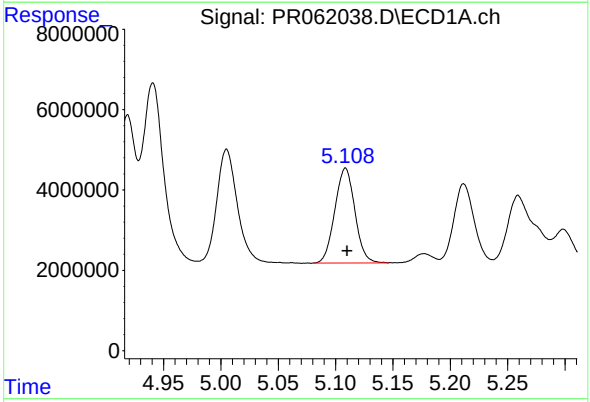
R.T.: 4.941 min
Delta R.T.: -0.001 min
Response: 57727165
Conc: 1252.53 ng/m

**Instrument :**
ECD_R
**ClientSampleId :**



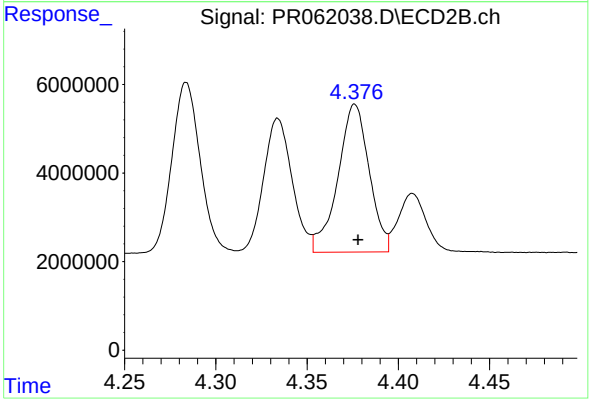

#13 AR-1232-3

R.T.: 4.284 min
Delta R.T.: -0.002 min
Response: 41503154
Conc: 1190.24 ng/ml



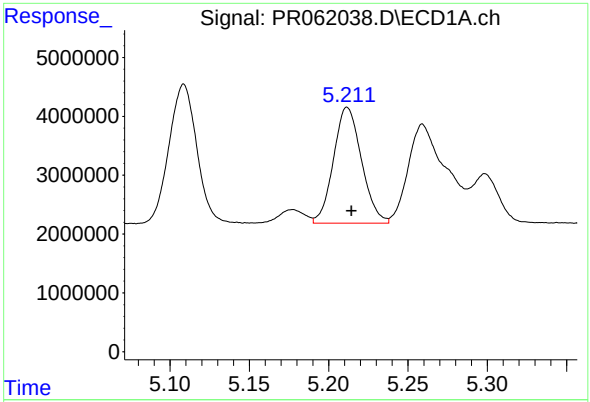

#14 AR-1232-4

R.T.: 5.109 min
Delta R.T.: -0.001 min
Response: 28801636
Conc: 1260.04 ng/ml




#14 AR-1232-4

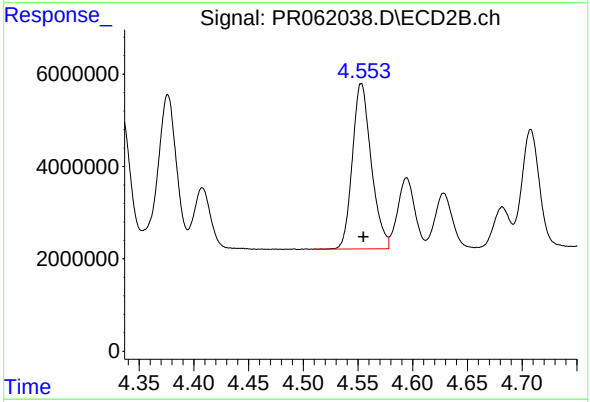
R.T.: 4.376 min
Delta R.T.: -0.002 min
Response: 39918284
Conc: 1271.31 ng/ml




#15 AR-1232-5

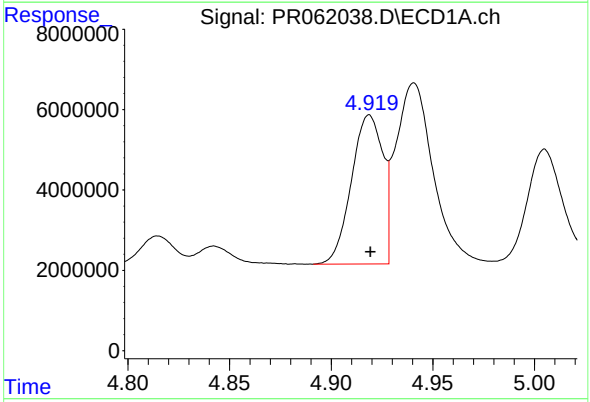
R.T.: 5.212 min
Delta R.T.: -0.003 min
Response: 24218393
Conc: 1316.12 ng/m

**Instrument :**
ECD_R
**ClientSampleId :**



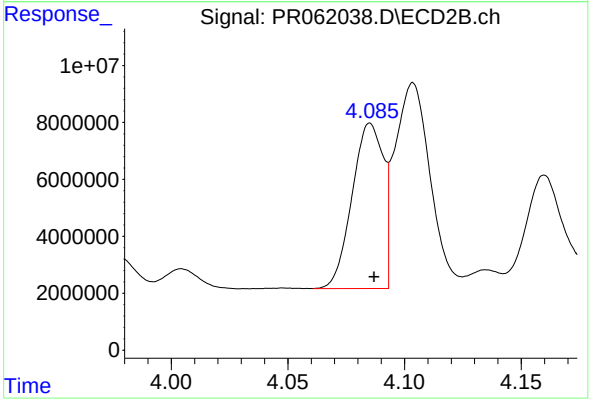

#15 AR-1232-5

R.T.: 4.553 min
Delta R.T.: -0.002 min
Response: 43054886
Conc: 1195.23 ng/ml



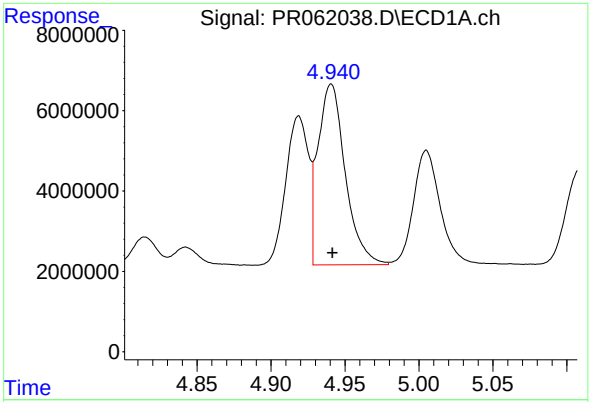

#16 AR-1242-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 39790339
Conc: 717.10 ng/ml




#16 AR-1242-1

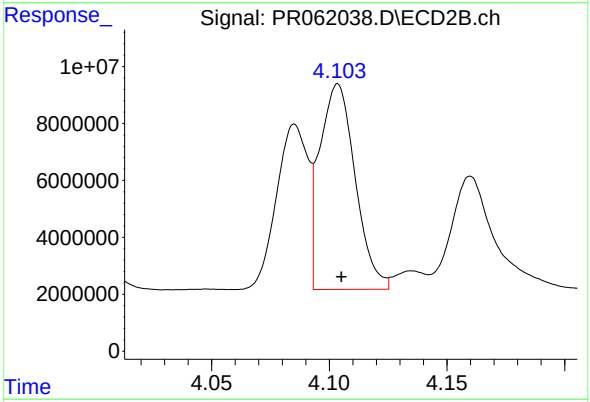
R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 53975416
Conc: 708.95 ng/ml




#17 AR-1242-2

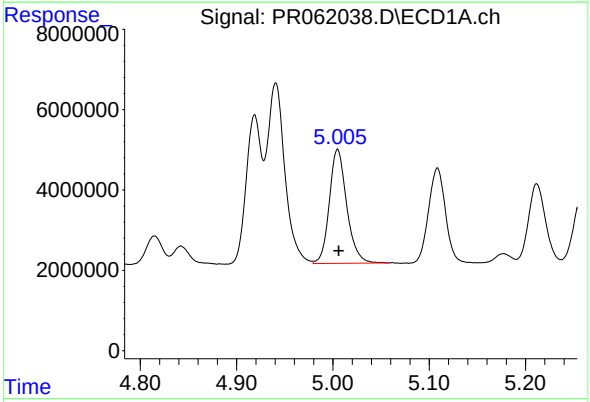
R.T.: 4.941 min
Delta R.T.: 0.000 min
Response: 57727165
Conc: 734.30 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



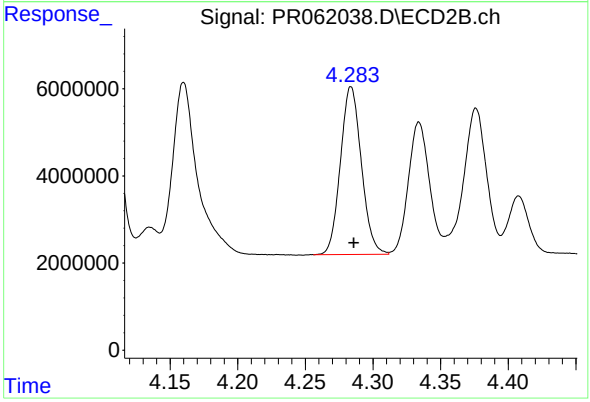

#17 AR-1242-2

R.T.: 4.104 min
Delta R.T.: -0.002 min
Response: 76048989
Conc: 730.38 ng/ml



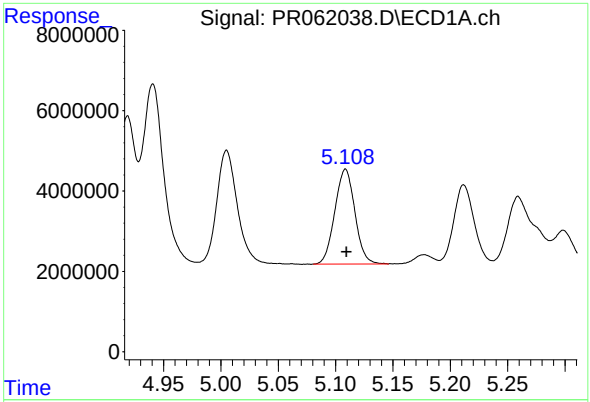

#18 AR-1242-3

R.T.: 5.005 min
Delta R.T.: -0.001 min
Response: 35657039
Conc: 711.95 ng/ml




#18 AR-1242-3

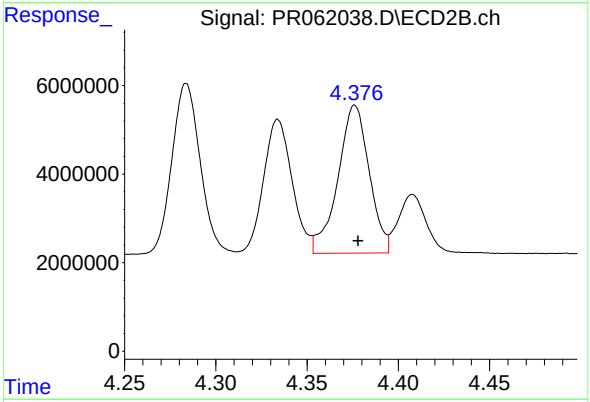
R.T.: 4.284 min
Delta R.T.: -0.002 min
Response: 41503154
Conc: 704.13 ng/ml




#19 AR-1242-4

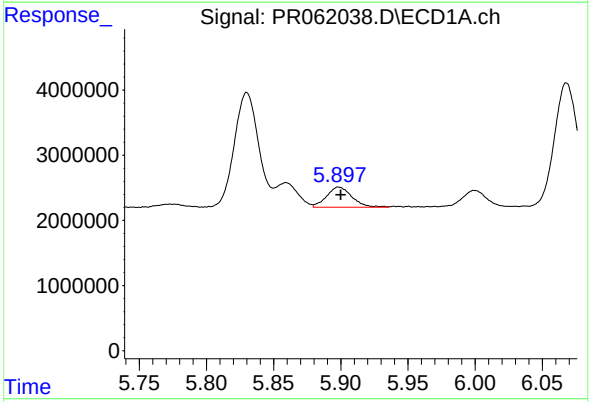
R.T.: 5.109 min
Delta R.T.: 0.000 min
Response: 28801636
Conc: 714.90 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



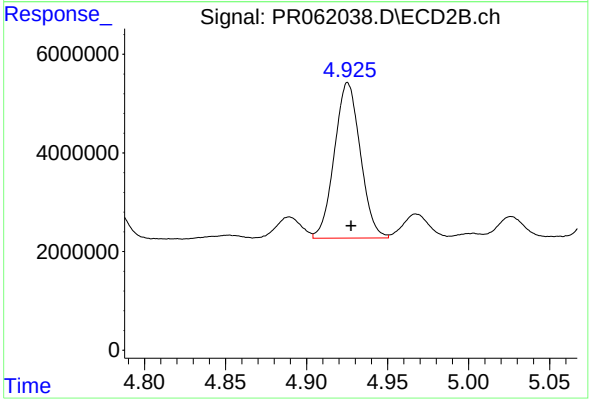

#19 AR-1242-4

R.T.: 4.376 min
Delta R.T.: -0.002 min
Response: 39918284
Conc: 672.42 ng/ml



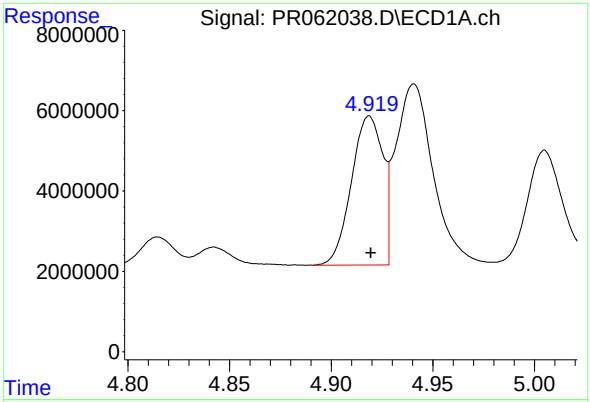

#20 AR-1242-5

R.T.: 5.898 min
Delta R.T.: -0.002 min
Response: 4066852
Conc: 103.18 ng/ml




#20 AR-1242-5

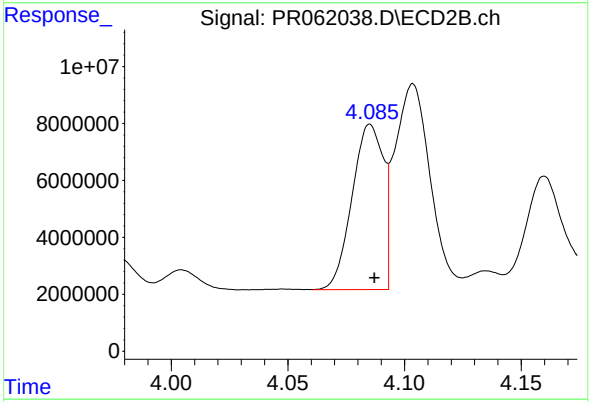
R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 35122201
Conc: 446.72 ng/ml




#21 AR-1248-1

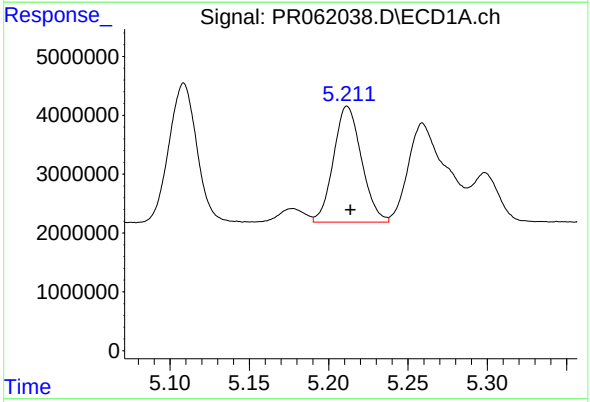
R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 39790339
Conc: 931.07 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



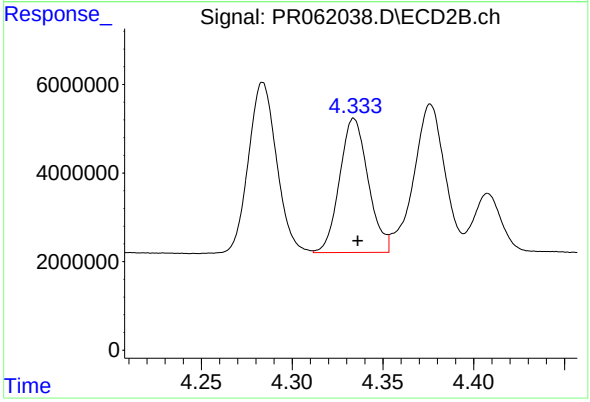

#21 AR-1248-1

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 53975416
Conc: 881.95 ng/ml



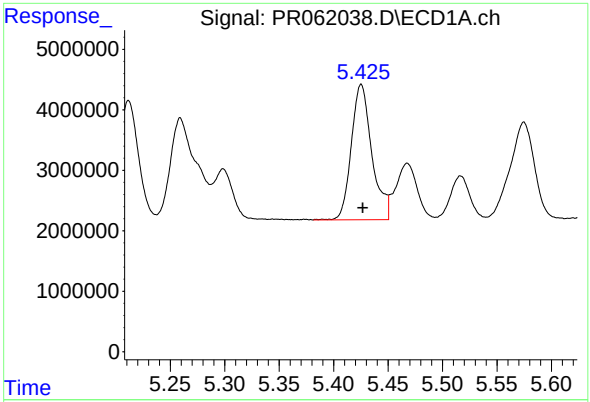

#22 AR-1248-2

R.T.: 5.212 min
Delta R.T.: -0.002 min
Response: 24218393
Conc: 390.52 ng/ml




#22 AR-1248-2

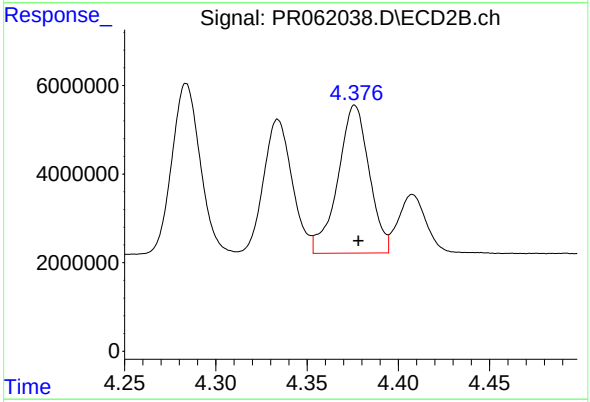
R.T.: 4.334 min
Delta R.T.: -0.002 min
Response: 33110619
Conc: 384.21 ng/ml




#23 AR-1248-3

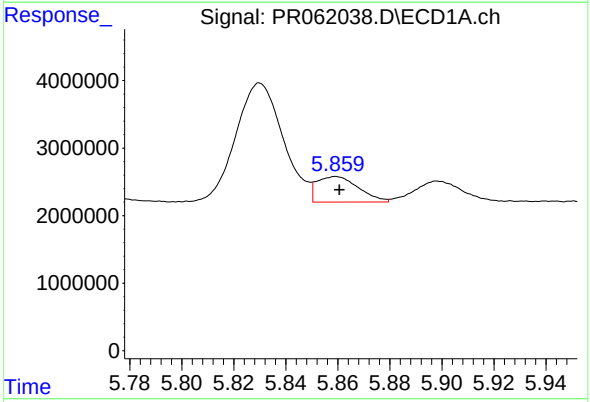
R.T.: 5.425 min
Delta R.T.: -0.001 min
Response: 29433112
Conc: 409.14 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



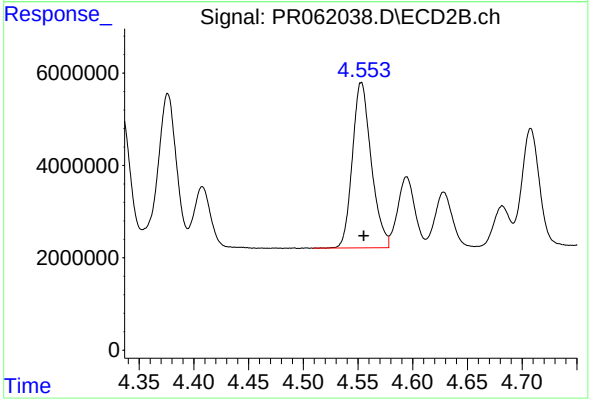

#23 AR-1248-3

R.T.: 4.376 min
Delta R.T.: -0.002 min
Response: 39918284
Conc: 448.62 ng/ml



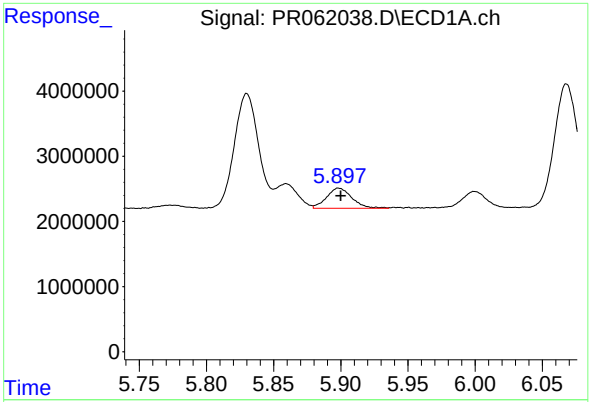

#24 AR-1248-4

R.T.: 5.859 min
Delta R.T.: -0.001 min
Response: 4213364
Conc: 57.66 ng/ml




#24 AR-1248-4

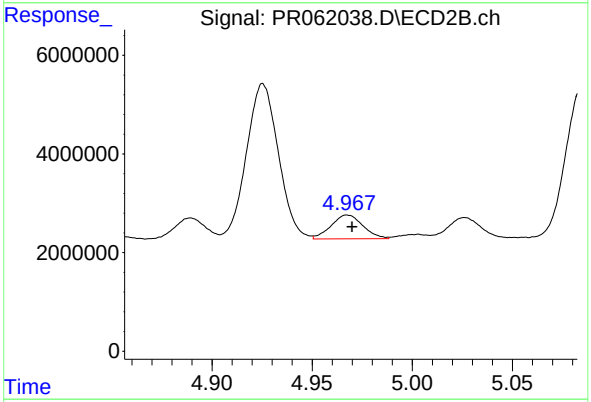
R.T.: 4.553 min
Delta R.T.: -0.002 min
Response: 43054886
Conc: 399.11 ng/ml




#25 AR-1248-5

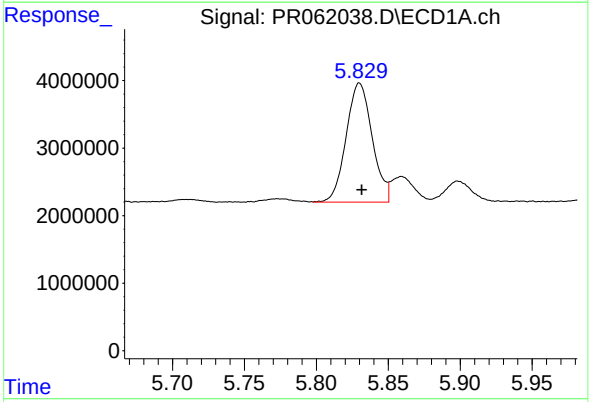
R.T.: 5.898 min
Delta R.T.: -0.002 min
Response: 4066852
Conc: 57.12 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



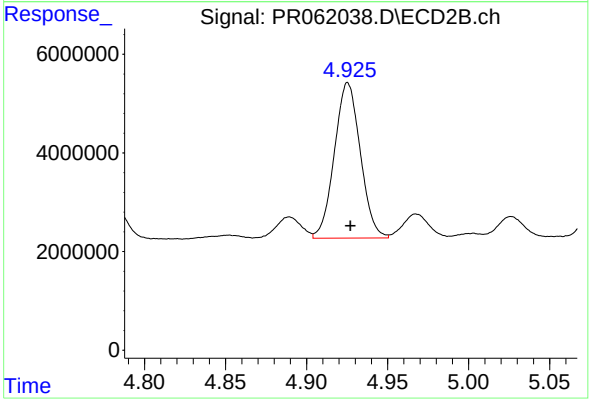

#25 AR-1248-5

R.T.: 4.968 min
Delta R.T.: -0.002 min
Response: 5348433
Conc: 50.00 ng/ml



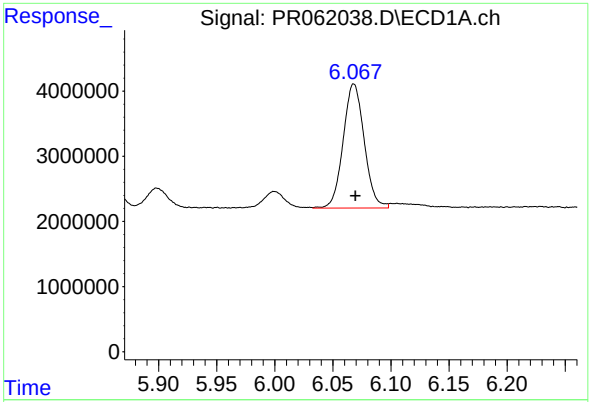

#26 AR-1254-1

R.T.: 5.830 min
Delta R.T.: -0.001 min
Response: 22310845
Conc: 279.67 ng/ml




#26 AR-1254-1

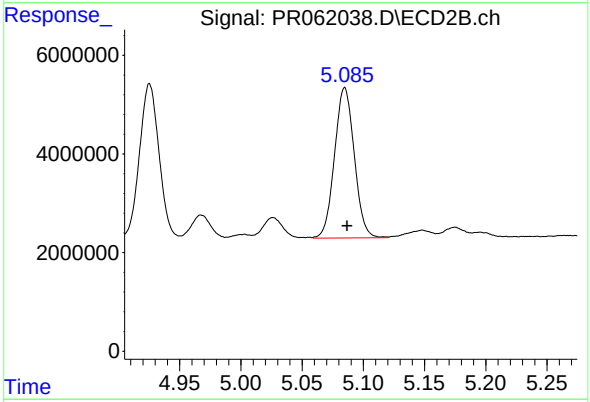
R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 35122201
Conc: 220.14 ng/ml




#27 AR-1254-2

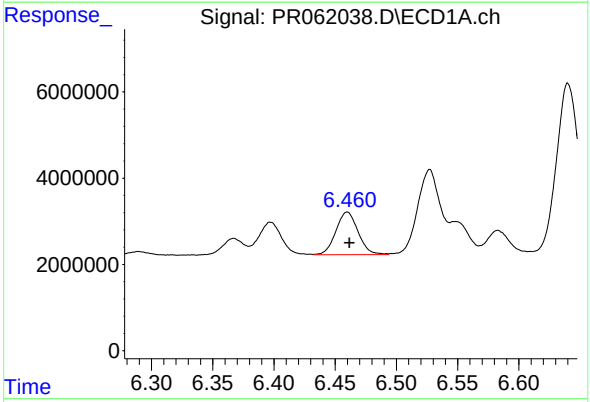
R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 24058014
Conc: 204.54 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



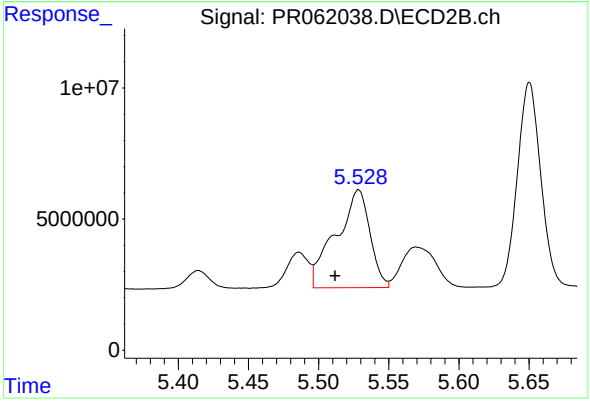

#27 AR-1254-2

R.T.: 5.085 min
Delta R.T.: -0.002 min
Response: 34168393
Conc: 235.27 ng/ml



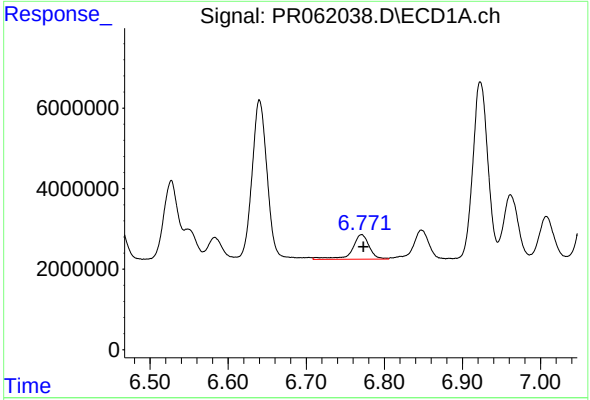

#28 AR-1254-3

R.T.: 6.460 min
Delta R.T.: -0.002 min
Response: 12512817
Conc: 109.15 ng/ml




#28 AR-1254-3

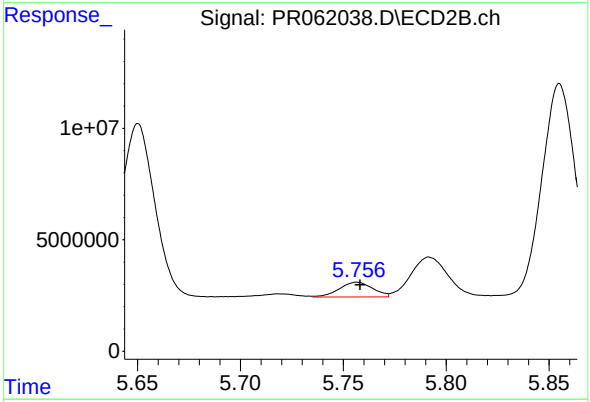
R.T.: 5.528 min
Delta R.T.: 0.017 min
Response: 63021348
Conc: 266.40 ng/ml




#29 AR-1254-4

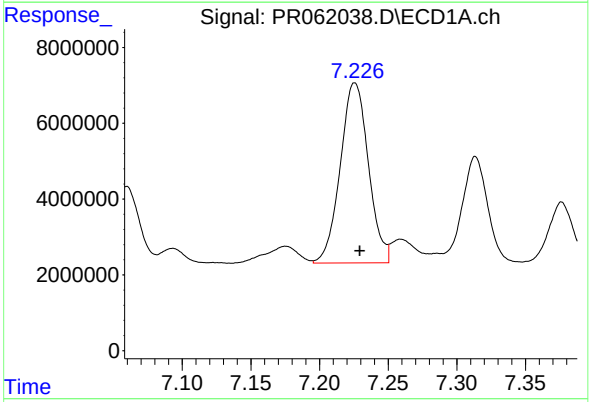
R.T.: 6.771 min
Delta R.T.: -0.003 min
Response: 9279876
Conc: 116.06 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



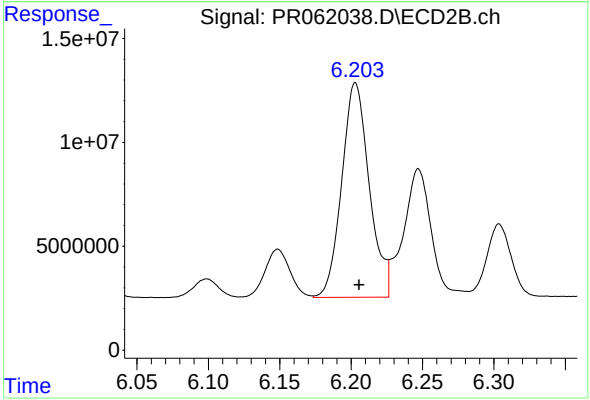

#29 AR-1254-4

R.T.: 5.757 min
Delta R.T.: -0.001 min
Response: 7437137
Conc: 48.84 ng/ml



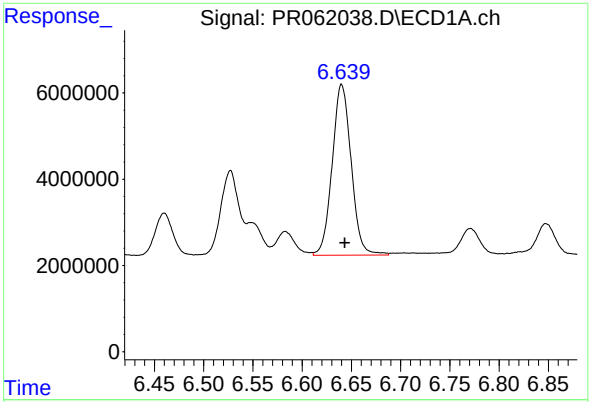

#30 AR-1254-5

R.T.: 7.226 min
Delta R.T.: -0.004 min
Response: 67815189
Conc: 756.03 ng/ml




#30 AR-1254-5

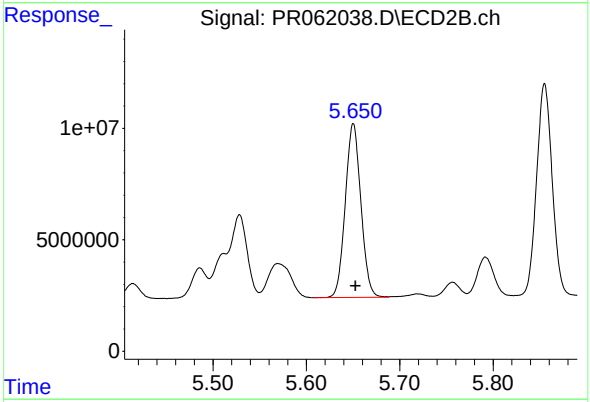
R.T.: 6.203 min
Delta R.T.: -0.003 min
Response: 138346819
Conc: 564.28 ng/ml




#31 AR-1260-1

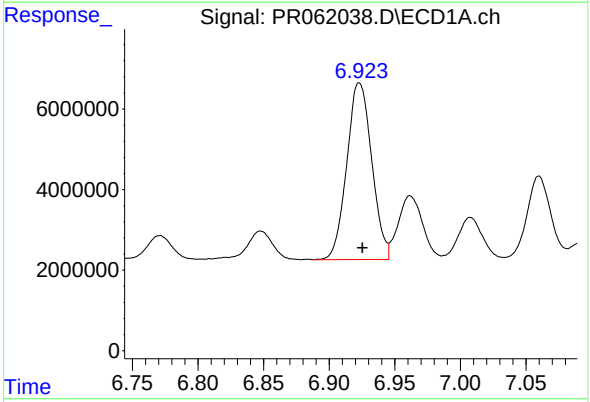
R.T.: 6.640 min
Delta R.T.: -0.003 min
Response: 53128559
Conc: 534.28 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



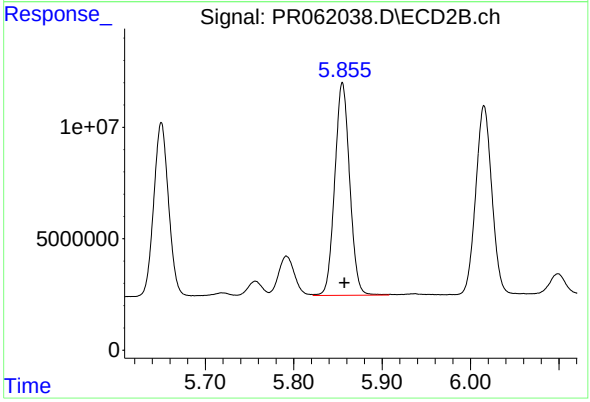

#31 AR-1260-1

R.T.: 5.650 min
Delta R.T.: -0.002 min
Response: 90569940
Conc: 521.71 ng/ml



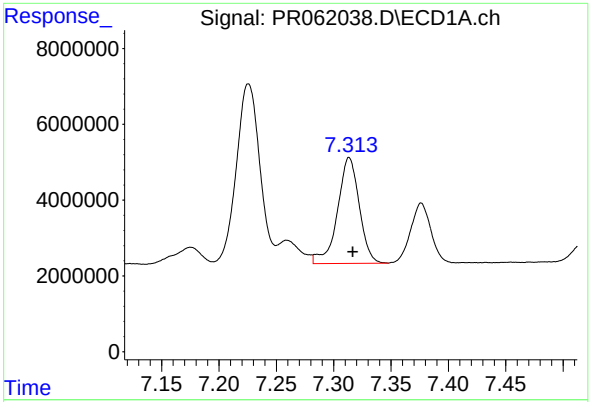

#32 AR-1260-2

R.T.: 6.923 min
Delta R.T.: -0.002 min
Response: 58090285
Conc: 527.08 ng/ml




#32 AR-1260-2

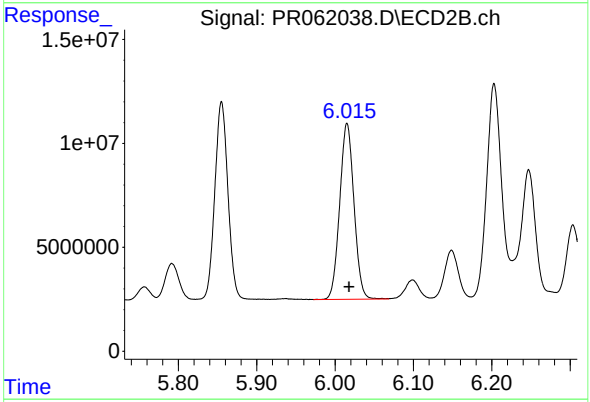
R.T.: 5.855 min
Delta R.T.: -0.002 min
Response: 112020631
Conc: 509.20 ng/ml




#33 AR-1260-3

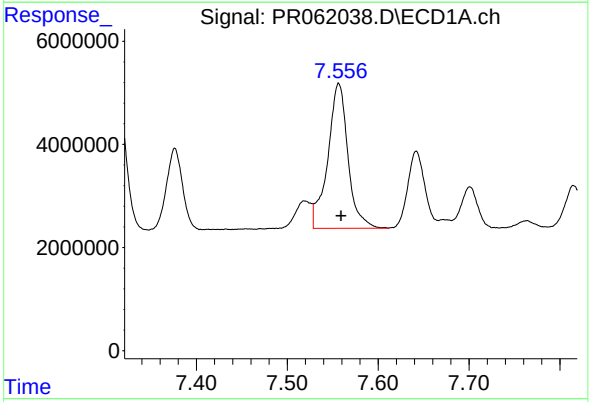
R.T.: 7.314 min
Delta R.T.: -0.003 min
Response: 36923836
Conc: 533.41 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



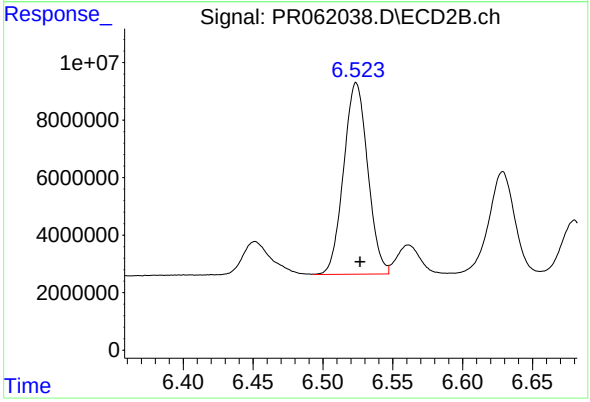

#33 AR-1260-3

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 107248312
Conc: 512.63 ng/ml



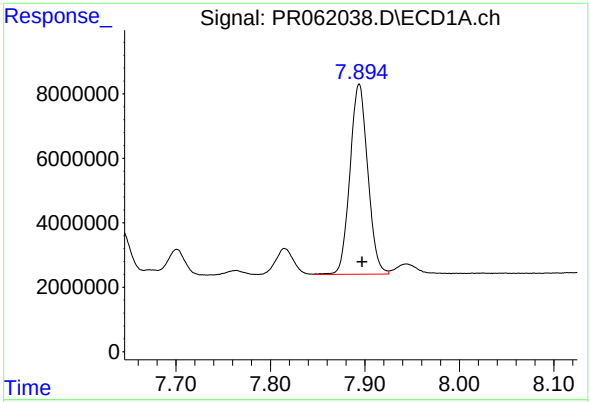

#34 AR-1260-4

R.T.: 7.557 min
Delta R.T.: -0.003 min
Response: 43471423
Conc: 530.80 ng/ml




#34 AR-1260-4

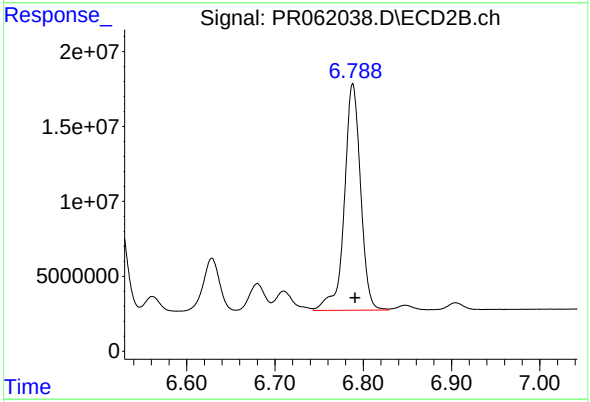
R.T.: 6.524 min
Delta R.T.: -0.003 min
Response: 79994643
Conc: 506.36 ng/ml




#35 AR-1260-5

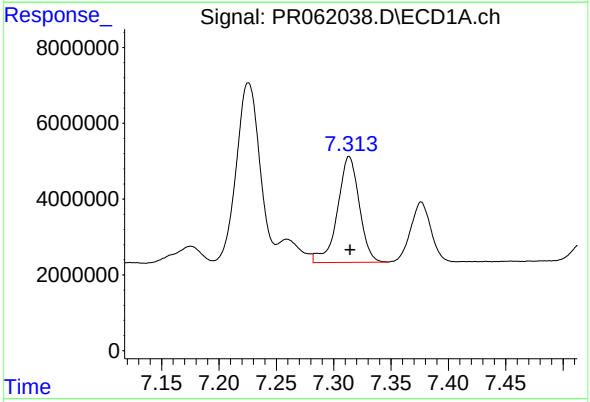
R.T.: 7.894 min
Delta R.T.: -0.003 min
Response: 77267329
Conc: 548.83 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



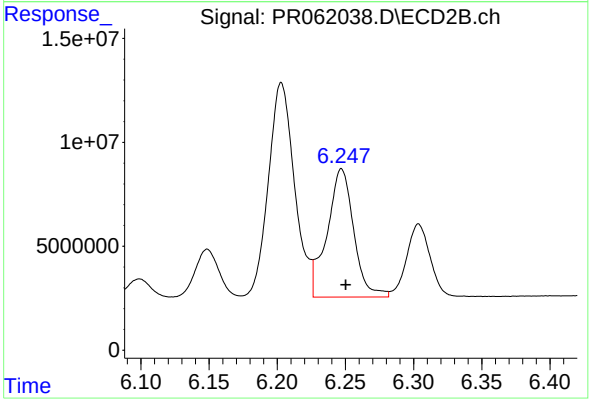

#35 AR-1260-5

R.T.: 6.788 min
Delta R.T.: -0.003 min
Response: 193103751
Conc: 519.93 ng/ml



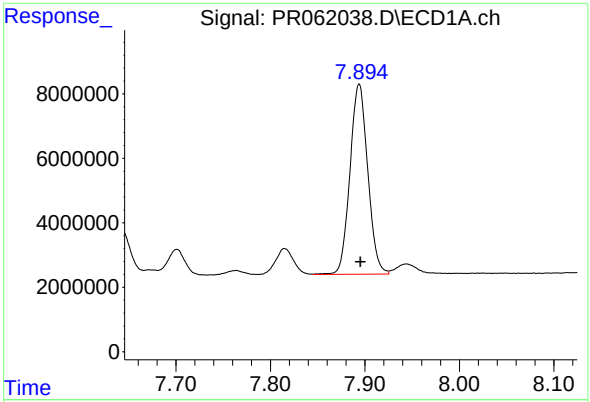

#36 AR-1262-1

R.T.: 7.314 min
Delta R.T.: 0.000 min
Response: 36923836
Conc: 344.00 ng/ml




#36 AR-1262-1

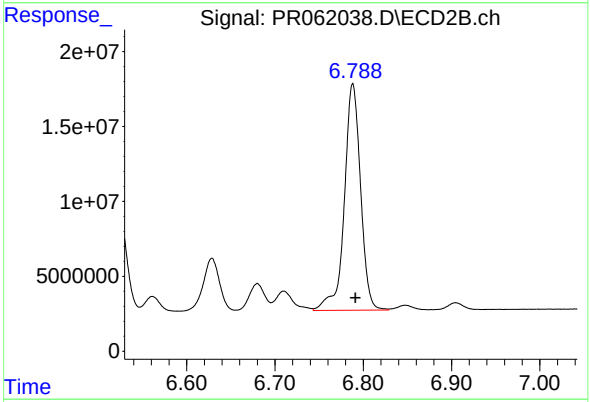
R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 84055783
Conc: 354.44 ng/ml




#37 AR-1262-2

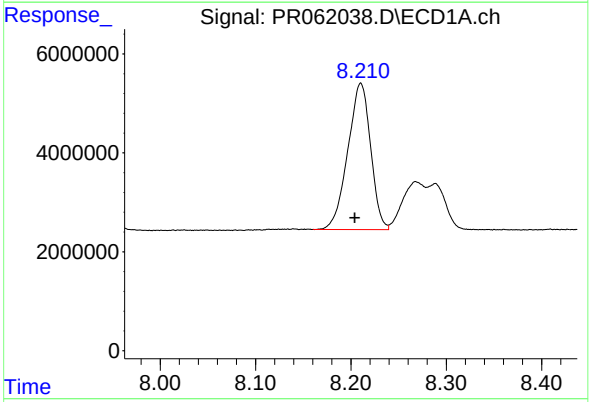
R.T.: 7.894 min
Delta R.T.: -0.001 min
Response: 77267329
Conc: 465.39 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



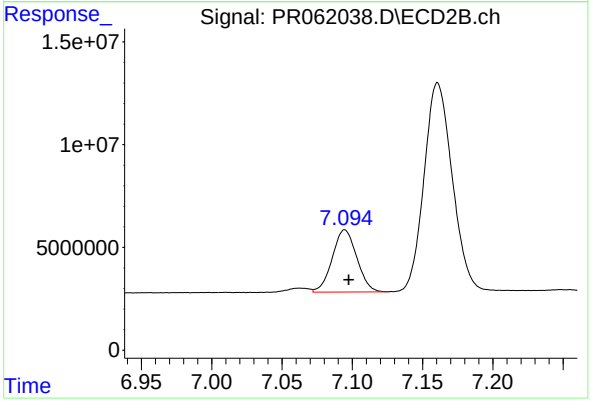

#37 AR-1262-2

R.T.: 6.788 min
Delta R.T.: -0.003 min
Response: 193103751
Conc: 440.50 ng/ml



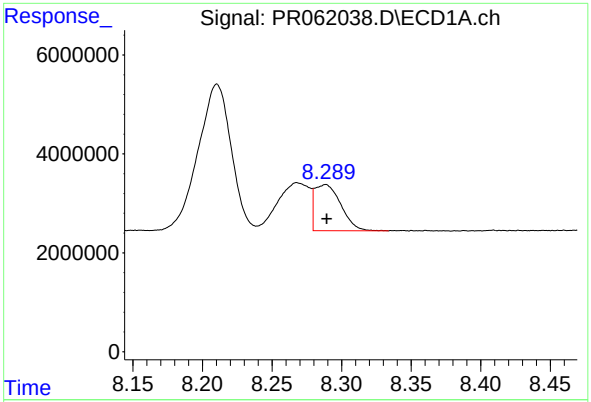

#38 AR-1262-3

R.T.: 8.210 min
Delta R.T.: 0.006 min
Response: 49124244
Conc: 429.92 ng/ml




#38 AR-1262-3

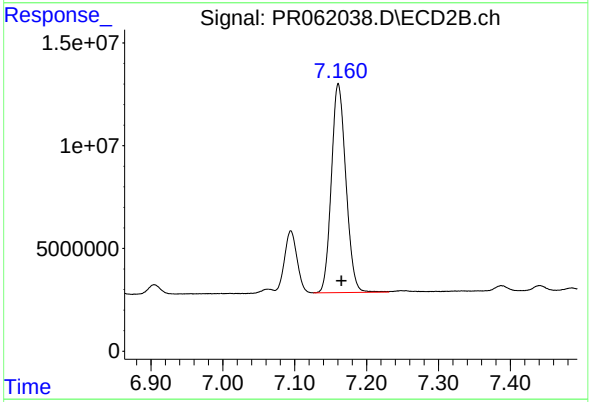
R.T.: 7.095 min
Delta R.T.: -0.003 min
Response: 36783364
Conc: 195.16 ng/ml




#39 AR-1262-4

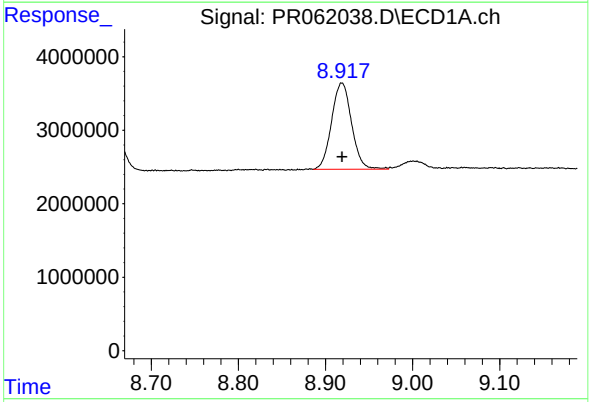
R.T.: 8.288 min
Delta R.T.: 0.000 min
Response: 12171831
Conc: 136.33 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



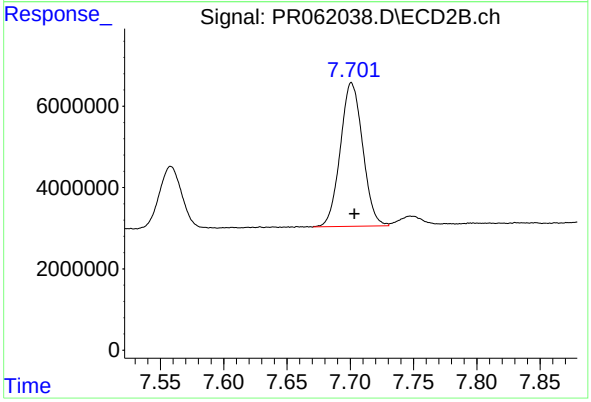

#39 AR-1262-4

R.T.: 7.161 min
Delta R.T.: -0.004 min
Response: 142631181
Conc: 424.04 ng/ml



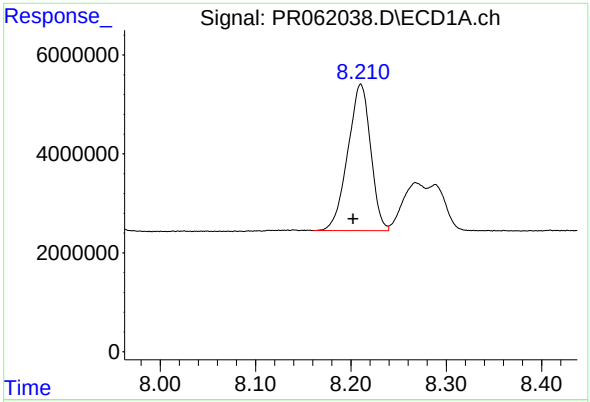

#40 AR-1262-5

R.T.: 8.919 min
Delta R.T.: 0.000 min
Response: 18732269
Conc: 317.78 ng/ml




#40 AR-1262-5

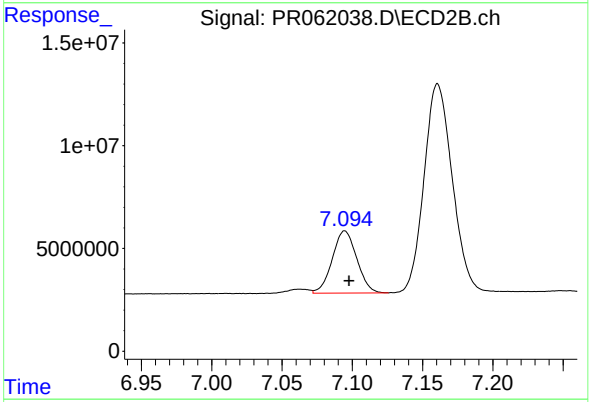
R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 43420208
Conc: 270.96 ng/ml




#41 AR-1268-1

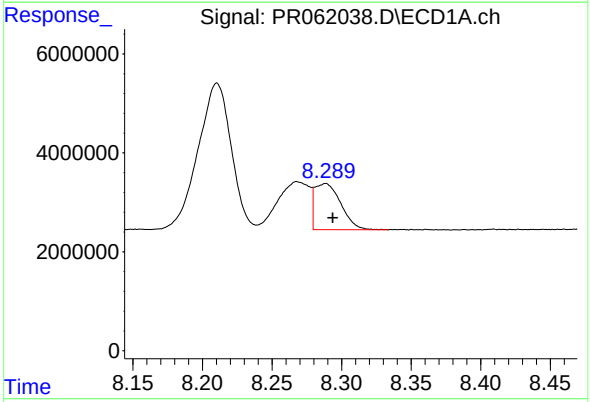
R.T.: 8.210 min
Delta R.T.: 0.008 min
Response: 49124244
Conc: 248.43 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



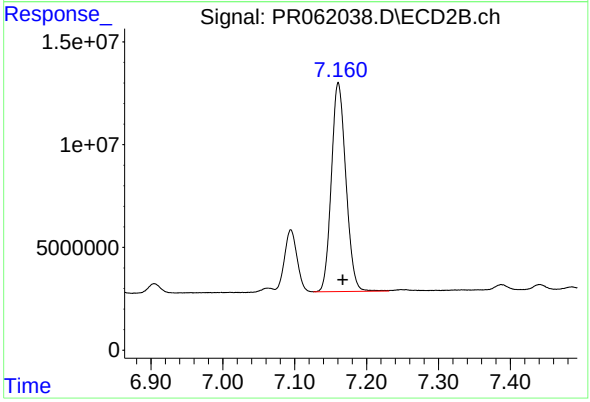

#41 AR-1268-1

R.T.: 7.095 min
Delta R.T.: -0.003 min
Response: 36783364
Conc: 71.50 ng/ml



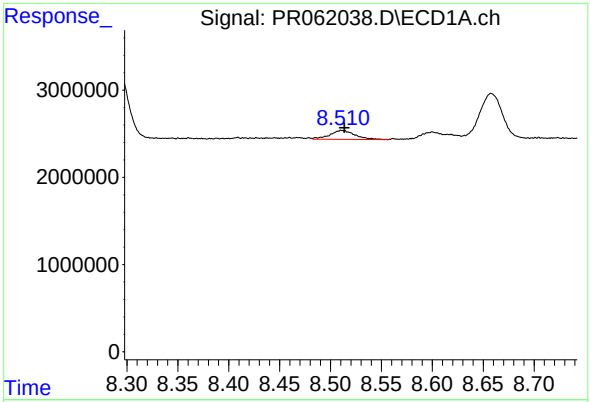

#42 AR-1268-2

R.T.: 8.288 min
Delta R.T.: -0.005 min
Response: 12171831
Conc: 66.80 ng/ml




#42 AR-1268-2

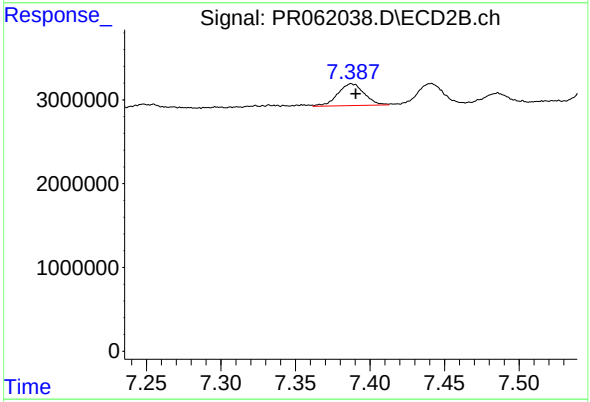
R.T.: 7.161 min
Delta R.T.: -0.006 min
Response: 142631181
Conc: 299.71 ng/ml




#43 AR-1268-3

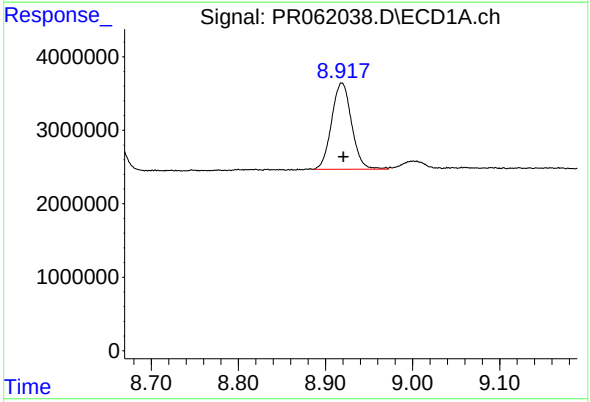
R.T.: 8.511 min
Delta R.T.: -0.002 min
Response: 1757739
Conc: 11.24 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**



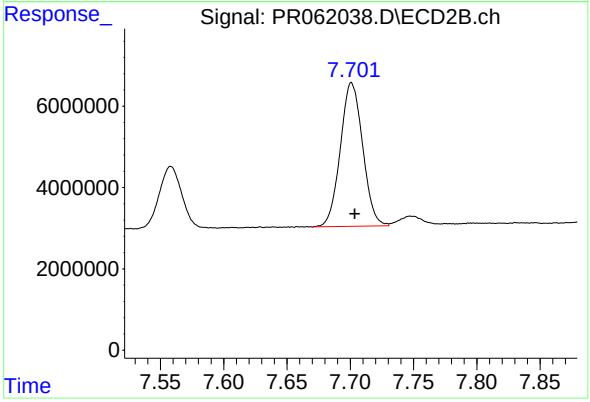

#43 AR-1268-3

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 3242669
Conc: 7.92 ng/ml



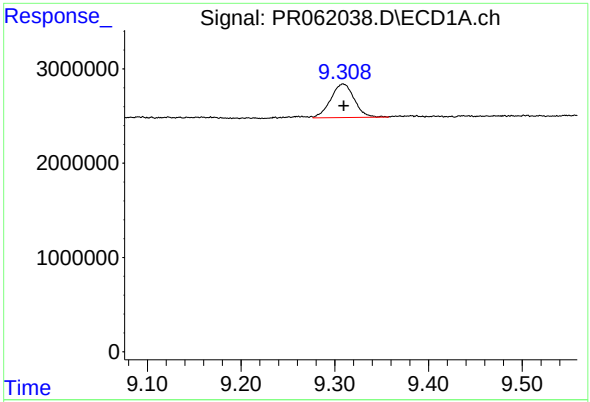

#44 AR-1268-4

R.T.: 8.919 min
Delta R.T.: -0.002 min
Response: 18732269
Conc: 291.09 ng/ml




#44 AR-1268-4

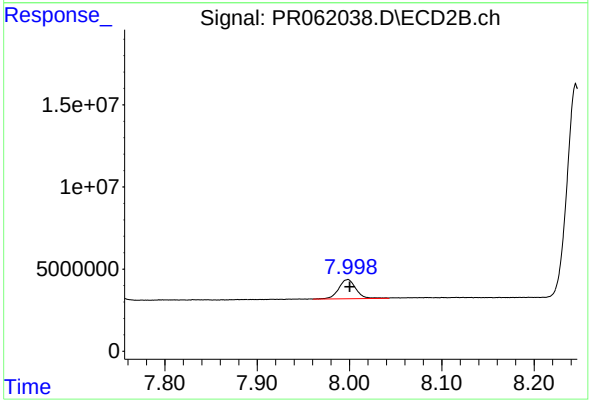
R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 43420208
Conc: 247.05 ng/ml




#45 AR-1268-5

R.T.: 9.309 min
Delta R.T.: 0.000 min
Response: 6248278
Conc: 13.58 ng/ml

**Instrument :**
ECD_R
**ClientSampleId :**




#45 AR-1268-5

R.T.: 7.998 min
Delta R.T.: -0.002 min
Response: 15084031
Conc: 11.71 ng/ml