

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Data\PR060719\  
 Data File : PR038556.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Jun 2019 18:31  
 Operator : SM\MA  
 Sample : K3196-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_R  
 ClientSampleId :

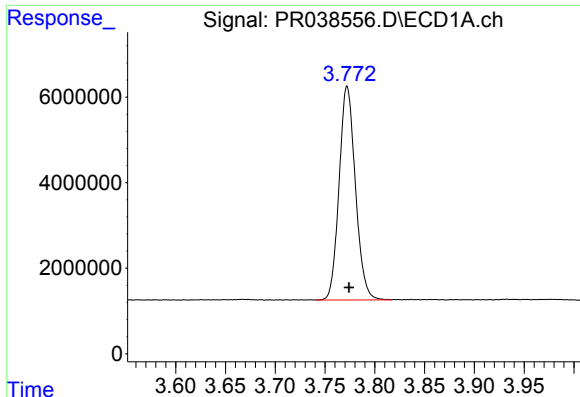
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 07 23:37:50 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_R\Method\PR060519.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu Jun 06 01:26:25 2019  
 Response via : Initial Calibration  
 Integrator: 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... | 3.772 | 4.620  | 56888153 | 189.3E6  | 26.693   | 26.764     |
| 2)                          | SA Decachlor... | 8.734 | 10.373 | 53898341 | 134.6E6  | 21.571   | 21.879     |
| Target Compounds            |                 |       |        |          |          |          |            |
| 3)                          | L1 AR-1016-1    | 4.876 | 5.777  | 2093569  | 3167885  | 25.494   | 11.820 #   |
| 4)                          | L1 AR-1016-2    | 4.876 | 5.807  | 2093569  | 6821624  | 15.692   | 17.792     |
| 5)                          | L1 AR-1016-3    | 5.033 | 5.850  | 7181920  | 6891961  | 110.977  | 30.231 #   |
| 6)                          | L1 AR-1016-4    | 5.087 | 5.936  | 1217966  | 87242222 | 23.483   | 462.481 #  |
| 7)                          | L1 AR-1016-5    | 5.297 | 6.237  | 1464738  | 57367596 | 21.439   | 307.424 #  |
| 10)                         | L2 AR-1221-3    | 4.200 | 0.000  | 2318014  | 0        | 23.524   | N.D. #     |
| 11)                         | L3 AR-1232-1    | 4.200 | 0.000  | 2318014  | 0        | 32.632   | N.D. #     |
| 12)                         | L3 AR-1232-2    | 4.876 | 5.499  | 2093569  | 4353625  | 24.086   | 38.231 #   |
| 13)                         | L3 AR-1232-3    | 5.033 | 5.807  | 7181920  | 6821624  | 173.237  | 27.529 #   |
| 14)                         | L3 AR-1232-4    | 5.144 | 5.936  | 7566666  | 87242222 | 210.125  | 721.497 #  |
| 15)                         | L3 AR-1232-5    | 5.297 | 6.059  | 1464738  | 26050080 | 35.981   | 300.103 #  |
| 16)                         | L4 AR-1242-1    | 4.876 | 5.777  | 2093569  | 3167885  | 19.709   | 8.942 #    |
| 17)                         | L4 AR-1242-2    | 4.876 | 5.807  | 2093569  | 6821624  | 11.852   | 13.400     |
| 18)                         | L4 AR-1242-3    | 5.033 | 5.850  | 7181920  | 6891961  | 84.685   | 22.908 #   |
| 19)                         | L4 AR-1242-4    | 5.144 | 5.936  | 7566666  | 87242222 | 93.654   | 347.187 #  |
| 20)                         | L4 AR-1242-5    | 5.605 | 6.664  | 386.8E6  | 1134.4E6 | 3303.174 | 3929.550   |
| 21)                         | L5 AR-1248-1    | 4.876 | 5.777  | 2093569  | 3167885  | 23.854   | 11.346 #   |
| 22)                         | L5 AR-1248-2    | 5.087 | 6.059  | 1217966  | 26050080 | 10.388   | 71.360 #   |
| 23)                         | L5 AR-1248-3    | 5.144 | 6.237  | 7566666  | 57367596 | 62.577   | 135.066 #  |
| 24)                         | L5 AR-1248-4    | 5.297 | 6.664  | 1464738  | 1134.4E6 | 9.711    | 2247.699 # |
| 25)                         | L5 AR-1248-5    | 5.665 | 6.664  | 22196663 | 1134.4E6 | 137.045  | 2375.333 # |
| 26)                         | L6 AR-1254-1    | 5.665 | 6.615  | 22196663 | 178.8E6  | 100.440  | 384.477 #  |
| 27)                         | L6 AR-1254-2    | 5.780 | 6.847  | 9921525  | 156.3E6  | 52.340   | 235.468 #  |
| 28)                         | L6 AR-1254-3    | 6.202 | 7.225  | 5543467  | 83251944 | 17.607   | 109.931 #  |
| 29)                         | L6 AR-1254-4    | 6.445 | 7.495  | 11297228 | 5323741  | 52.514   | 9.238 #    |
| 30)                         | L6 AR-1254-5    | 6.813 | 7.909  | 1967533  | 11924510 | 6.934    | 19.556 #   |
| 31)                         | L7 AR-1260-1    | 6.312 | 7.365  | 5929802  | 11564894 | 44.857   | 33.656     |
| 32)                         | L7 AR-1260-2    | 6.492 | 7.620  | 2397518  | 208.3E6  | 14.058   | 513.983 #  |
| 33)                         | L7 AR-1260-3    | 6.615 | 7.965  | 14242754 | 26307802 | 94.336   | 86.424     |
| 34)                         | L7 AR-1260-4    | 7.058 | 0.000  | 2101703  | 0        | 16.260   | N.D. #     |
| 36)                         | L8 AR-1262-1    | 6.922 | 7.965  | 12193197 | 26307802 | 101.895  | 37.194 #   |
| -----                       |                 |       |        |          |          |          |            |

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

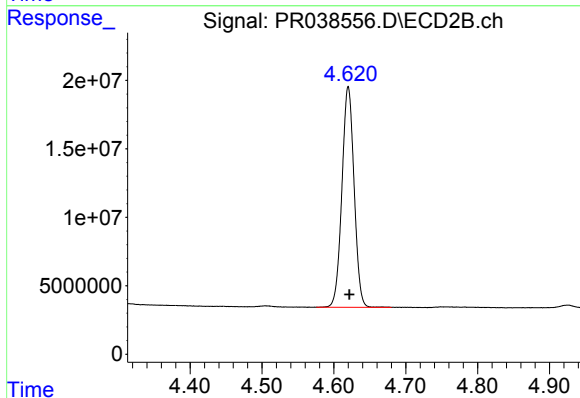




#1 Tetrachloro-m-xylene

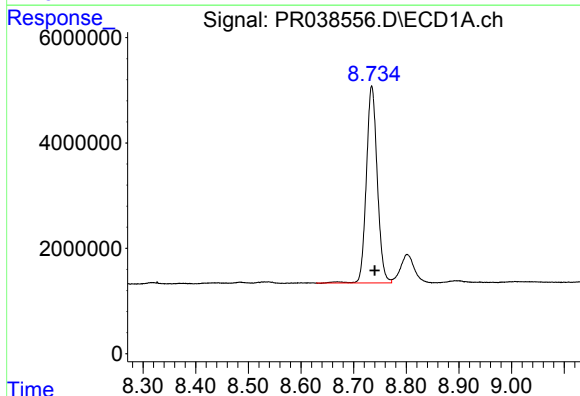
R.T.: 3.772 min  
Delta R.T.: -0.002 min  
Response: 56888153  
Conc: 26.69 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



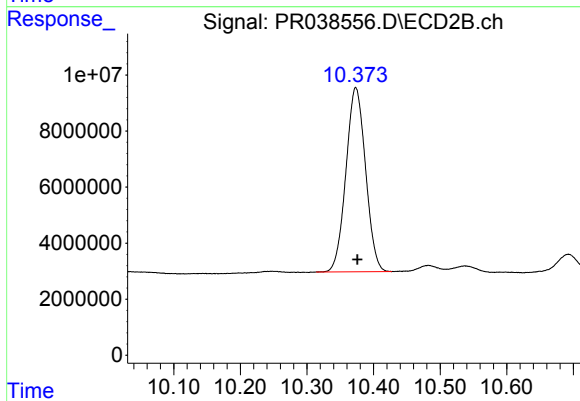
#1 Tetrachloro-m-xylene

R.T.: 4.620 min  
Delta R.T.: -0.002 min  
Response: 189337478  
Conc: 26.76 ng/ml



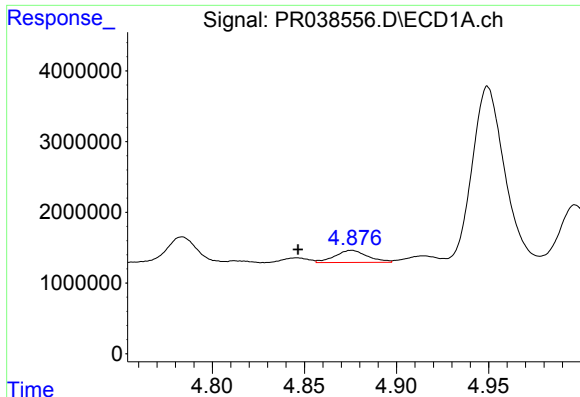
#2 Decachlorobiphenyl

R.T.: 8.734 min  
Delta R.T.: -0.006 min  
Response: 53898341  
Conc: 21.57 ng/ml



#2 Decachlorobiphenyl

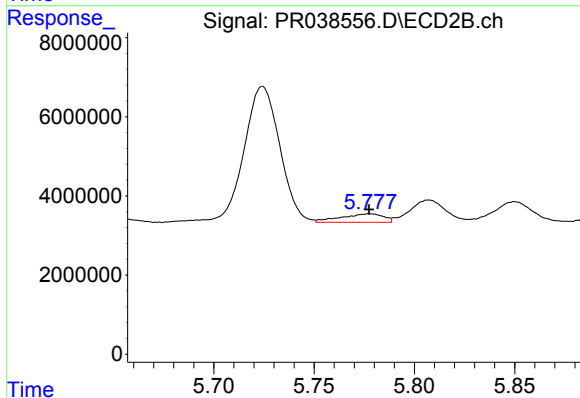
R.T.: 10.373 min  
Delta R.T.: -0.003 min  
Response: 134640508  
Conc: 21.88 ng/ml



#3 AR-1016-1

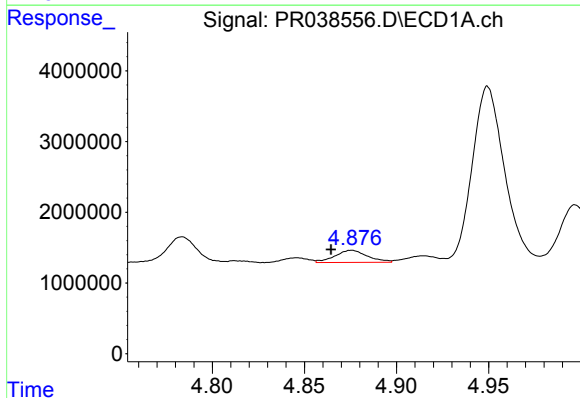
R.T.: 4.876 min  
Delta R.T.: 0.029 min  
Response: 2093569  
Conc: 25.49 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



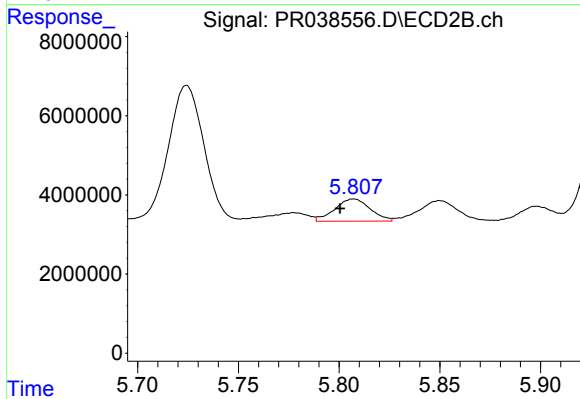
#3 AR-1016-1

R.T.: 5.777 min  
Delta R.T.: 0.000 min  
Response: 3167885  
Conc: 11.82 ng/ml



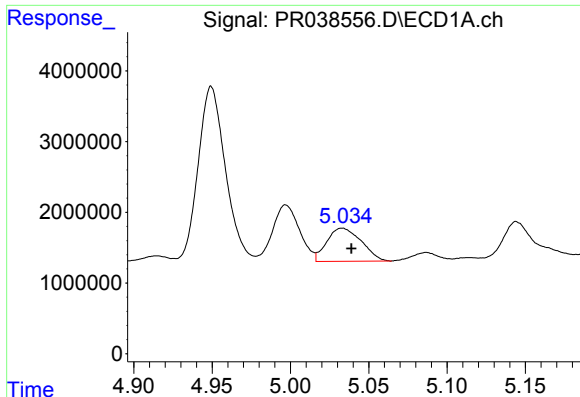
#4 AR-1016-2

R.T.: 4.876 min  
Delta R.T.: 0.011 min  
Response: 2093569  
Conc: 15.69 ng/ml



#4 AR-1016-2

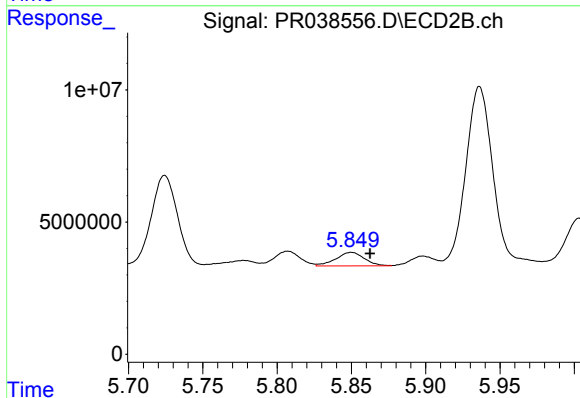
R.T.: 5.807 min  
Delta R.T.: 0.007 min  
Response: 6821624  
Conc: 17.79 ng/ml



#5 AR-1016-3

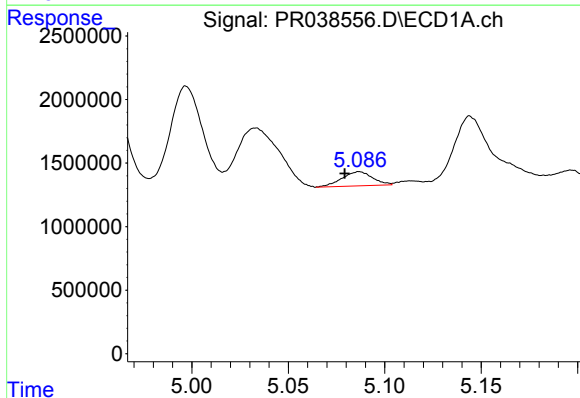
R.T.: 5.033 min  
Delta R.T.: -0.006 min  
Response: 7181920  
Conc: 110.98 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



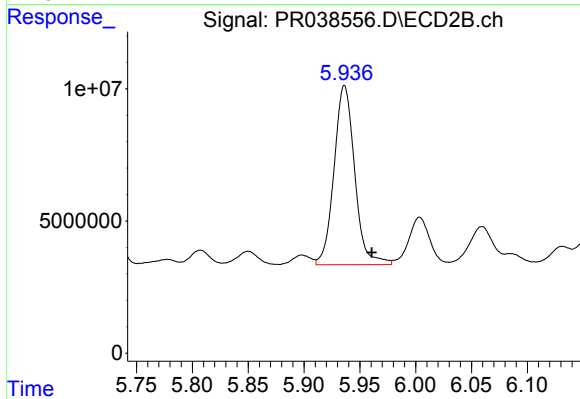
#5 AR-1016-3

R.T.: 5.850 min  
Delta R.T.: -0.013 min  
Response: 6891961  
Conc: 30.23 ng/ml



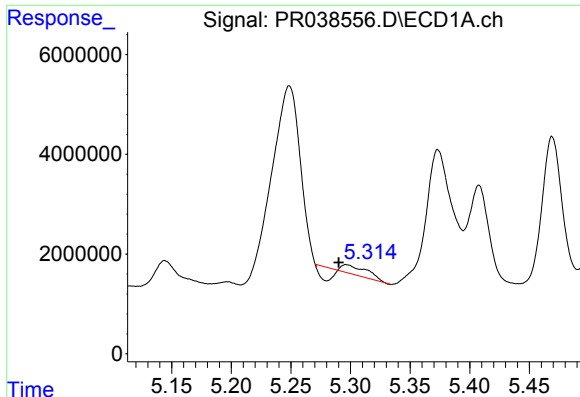
#6 AR-1016-4

R.T.: 5.087 min  
Delta R.T.: 0.008 min  
Response: 1217966  
Conc: 23.48 ng/ml



#6 AR-1016-4

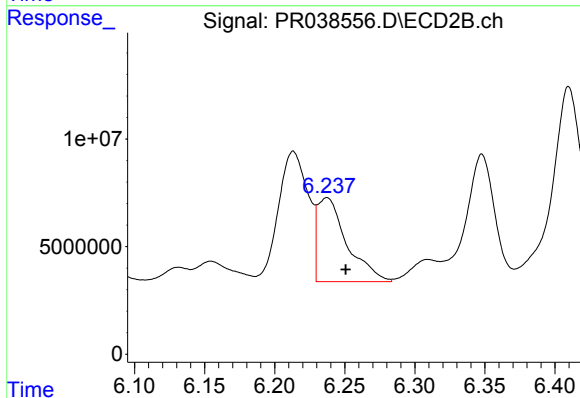
R.T.: 5.936 min  
Delta R.T.: -0.024 min  
Response: 87242222  
Conc: 462.48 ng/ml



#7 AR-1016-5

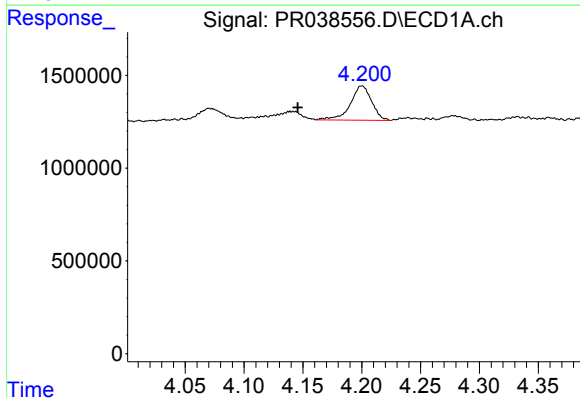
R.T.: 5.297 min  
Delta R.T.: 0.006 min  
Response: 1464738  
Conc: 21.44 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



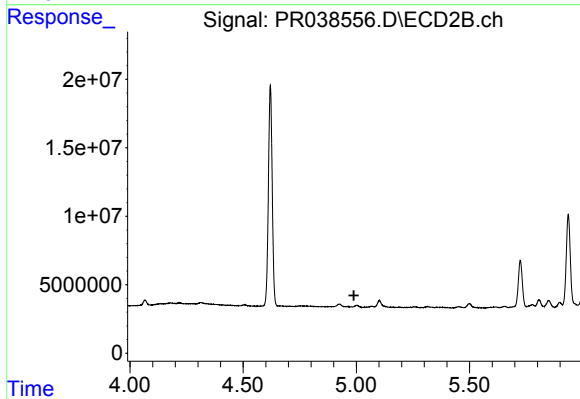
#7 AR-1016-5

R.T.: 6.237 min  
Delta R.T.: -0.013 min  
Response: 57367596  
Conc: 307.42 ng/ml



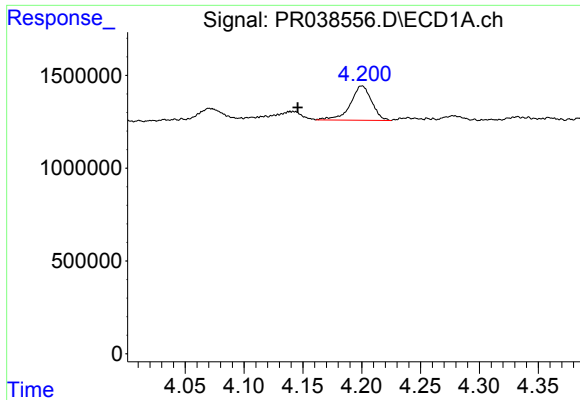
#10 AR-1221-3

R.T.: 4.200 min  
Delta R.T.: 0.055 min  
Response: 2318014  
Conc: 23.52 ng/ml



#10 AR-1221-3

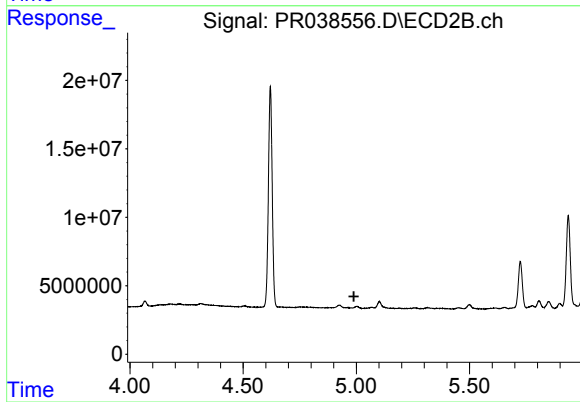
R.T.: 0.000 min  
Exp R.T.: 4.989 min  
Response: 0  
Conc: N.D.



#11 AR-1232-1

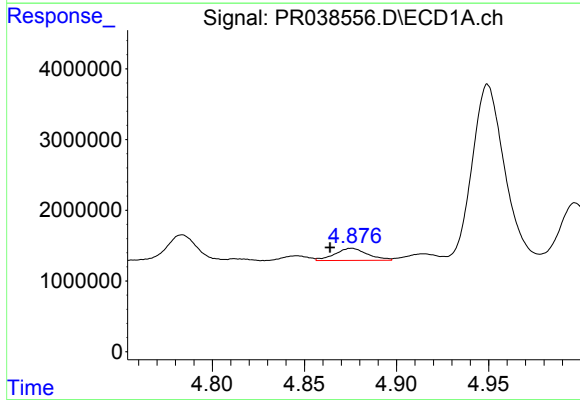
R.T.: 4.200 min  
Delta R.T.: 0.055 min  
Response: 2318014  
Conc: 32.63 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



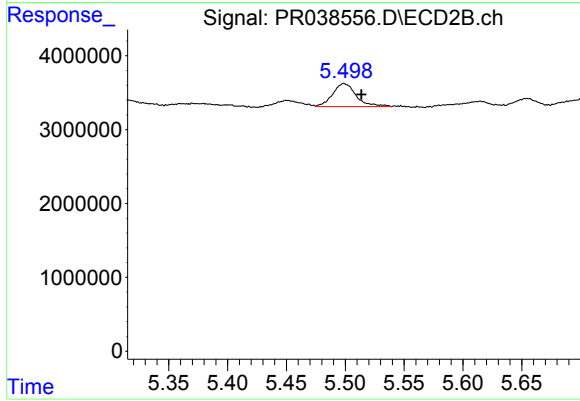
#11 AR-1232-1

R.T.: 0.000 min  
Exp R.T. : 4.989 min  
Response: 0  
Conc: N.D.



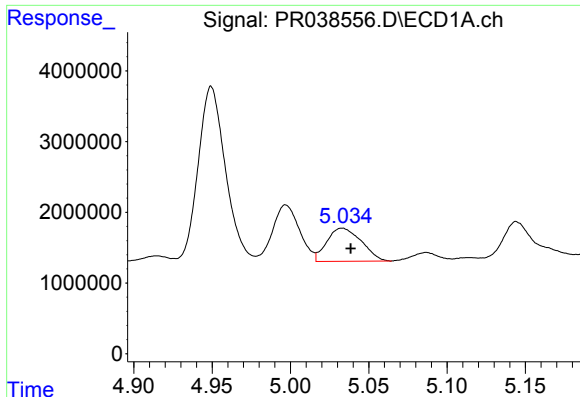
#12 AR-1232-2

R.T.: 4.876 min  
Delta R.T.: 0.012 min  
Response: 2093569  
Conc: 24.09 ng/ml



#12 AR-1232-2

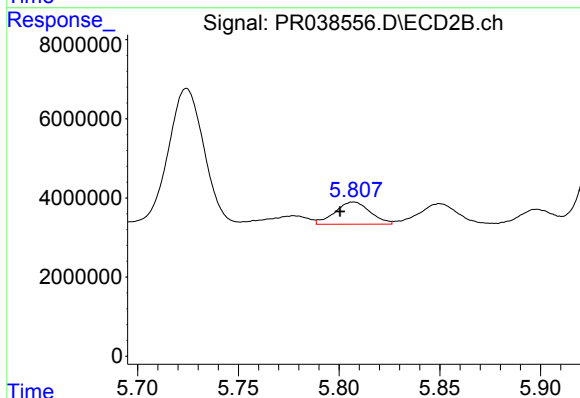
R.T.: 5.499 min  
Delta R.T.: -0.015 min  
Response: 4353625  
Conc: 38.23 ng/ml



#13 AR-1232-3

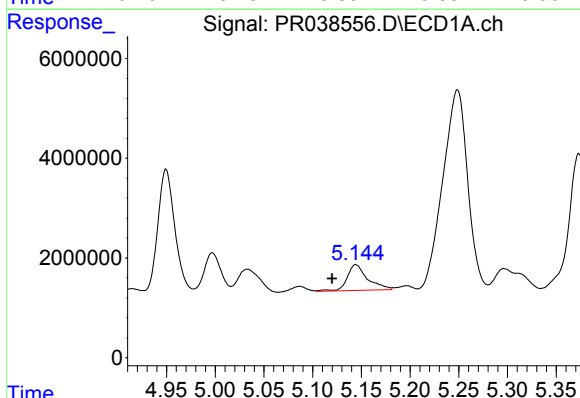
R.T.: 5.033 min  
Delta R.T.: -0.005 min  
Response: 7181920  
Conc: 173.24 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



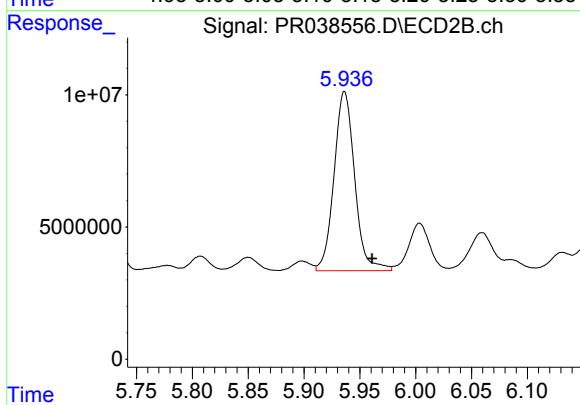
#13 AR-1232-3

R.T.: 5.807 min  
Delta R.T.: 0.007 min  
Response: 6821624  
Conc: 27.53 ng/ml



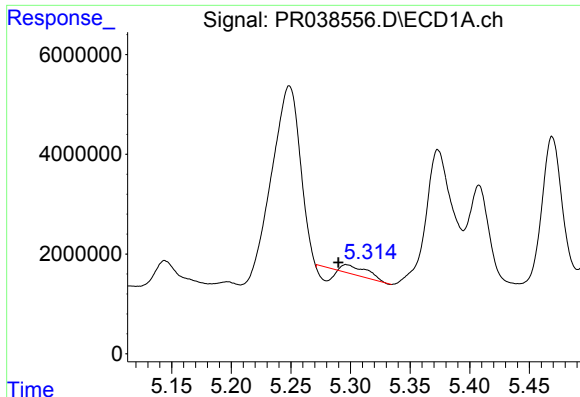
#14 AR-1232-4

R.T.: 5.144 min  
Delta R.T.: 0.024 min  
Response: 7566666  
Conc: 210.12 ng/ml



#14 AR-1232-4

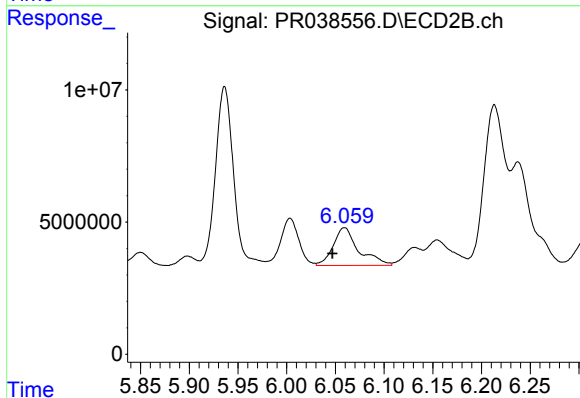
R.T.: 5.936 min  
Delta R.T.: -0.025 min  
Response: 87242222  
Conc: 721.50 ng/ml



#15 AR-1232-5

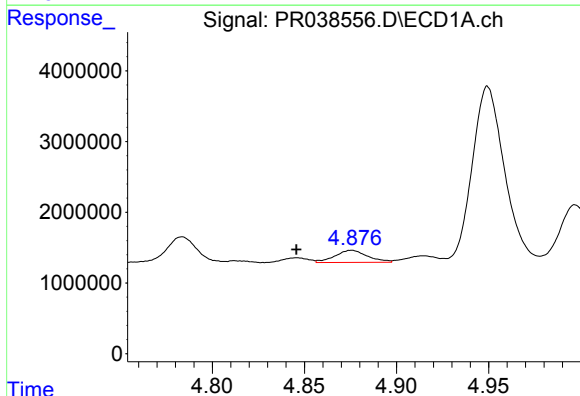
R.T.: 5.297 min  
Delta R.T.: 0.007 min  
Response: 1464738  
Conc: 35.98 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



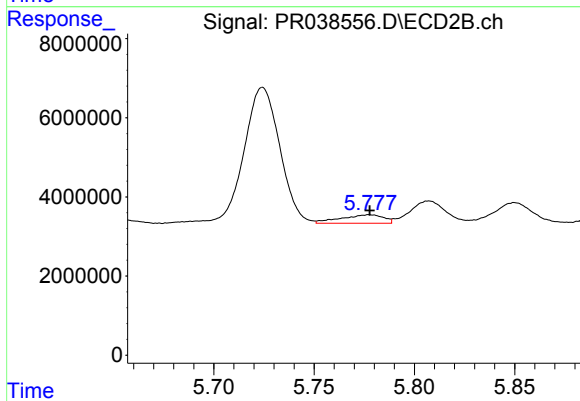
#15 AR-1232-5

R.T.: 6.059 min  
Delta R.T.: 0.013 min  
Response: 26050080  
Conc: 300.10 ng/ml



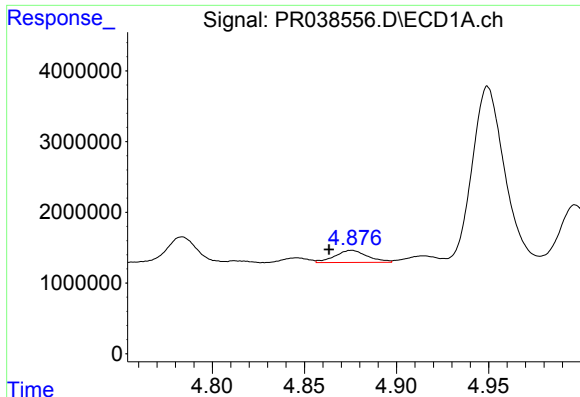
#16 AR-1242-1

R.T.: 4.876 min  
Delta R.T.: 0.030 min  
Response: 2093569  
Conc: 19.71 ng/ml



#16 AR-1242-1

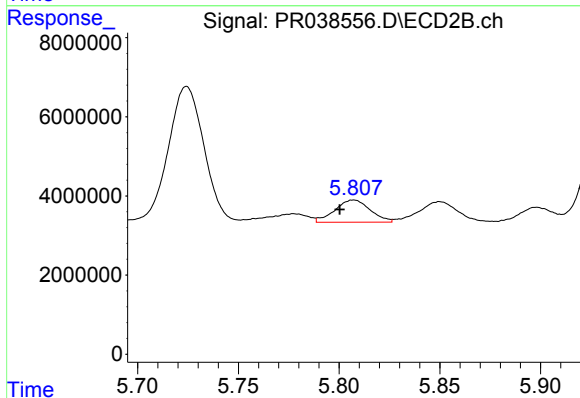
R.T.: 5.777 min  
Delta R.T.: 0.000 min  
Response: 3167885  
Conc: 8.94 ng/ml



#17 AR-1242-2

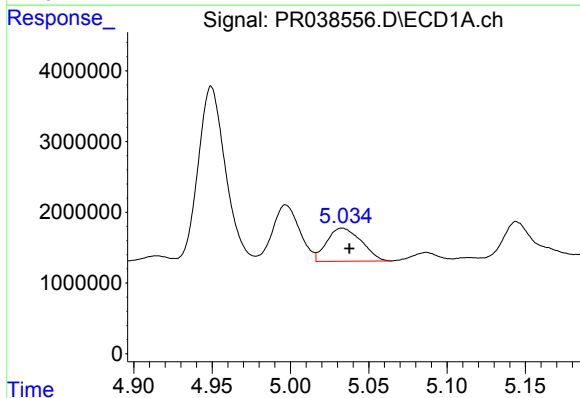
R.T.: 4.876 min  
Delta R.T.: 0.012 min  
Response: 2093569  
Conc: 11.85 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



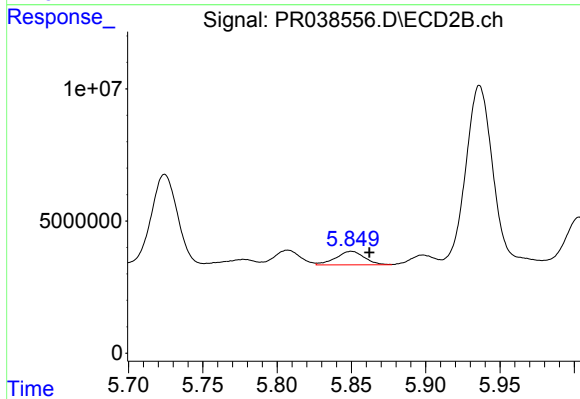
#17 AR-1242-2

R.T.: 5.807 min  
Delta R.T.: 0.007 min  
Response: 6821624  
Conc: 13.40 ng/ml



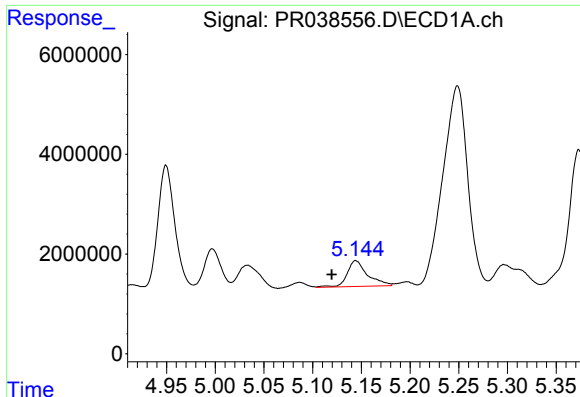
#18 AR-1242-3

R.T.: 5.033 min  
Delta R.T.: -0.004 min  
Response: 7181920  
Conc: 84.69 ng/ml



#18 AR-1242-3

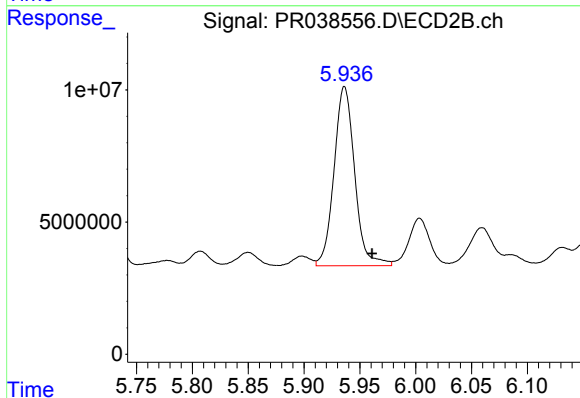
R.T.: 5.850 min  
Delta R.T.: -0.012 min  
Response: 6891961  
Conc: 22.91 ng/ml



#19 AR-1242-4

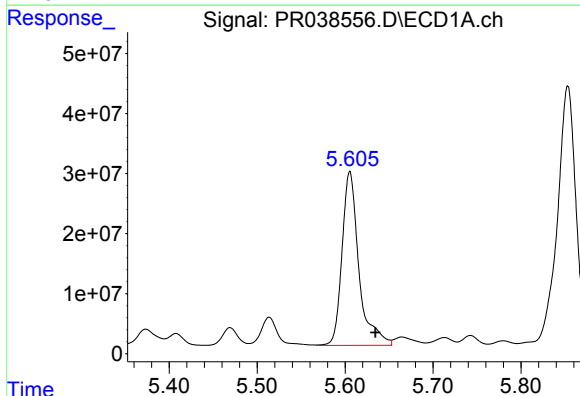
R.T.: 5.144 min  
Delta R.T.: 0.025 min  
Response: 7566666  
Conc: 93.65 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



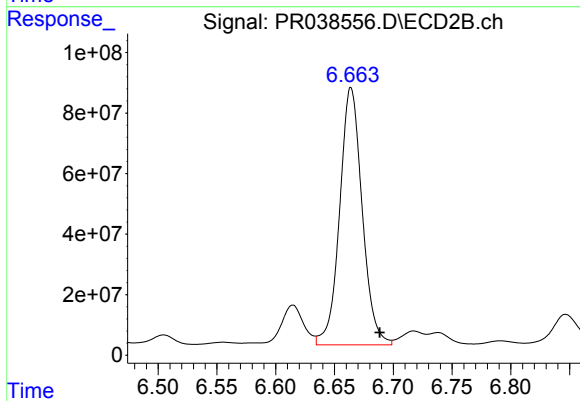
#19 AR-1242-4

R.T.: 5.936 min  
Delta R.T.: -0.025 min  
Response: 87242222  
Conc: 347.19 ng/ml



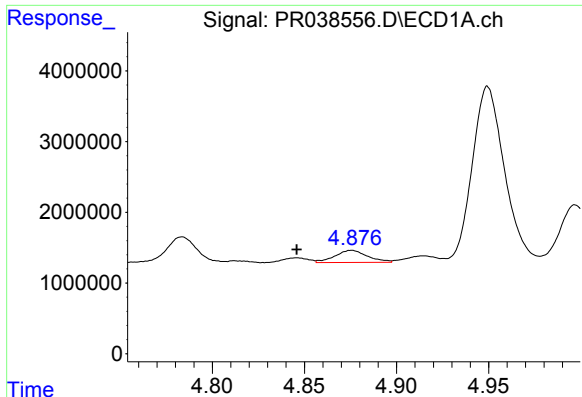
#20 AR-1242-5

R.T.: 5.605 min  
Delta R.T.: -0.029 min  
Response: 386849690  
Conc: 3303.17 ng/ml



#20 AR-1242-5

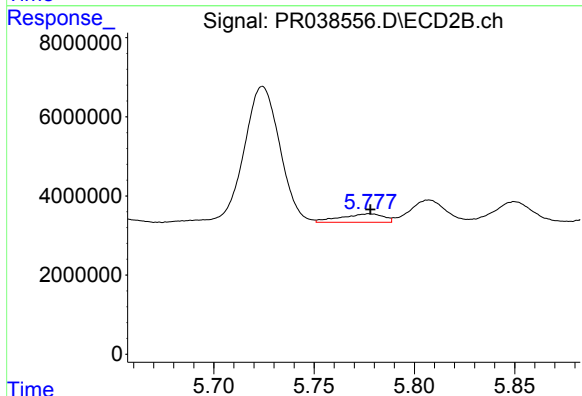
R.T.: 6.664 min  
Delta R.T.: -0.025 min  
Response: 1134351757  
Conc: 3929.55 ng/ml



#21 AR-1248-1

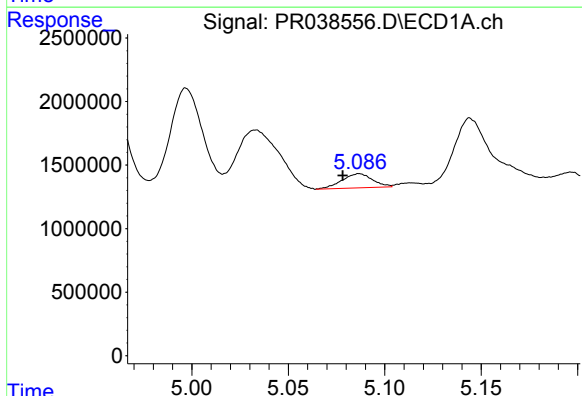
R.T.: 4.876 min  
Delta R.T.: 0.030 min  
Response: 2093569  
Conc: 23.85 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



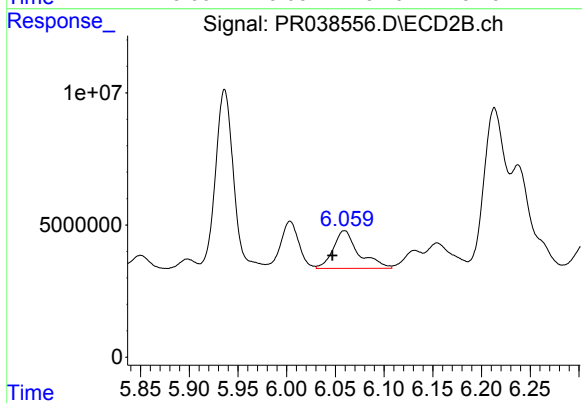
#21 AR-1248-1

R.T.: 5.777 min  
Delta R.T.: 0.000 min  
Response: 3167885  
Conc: 11.35 ng/ml



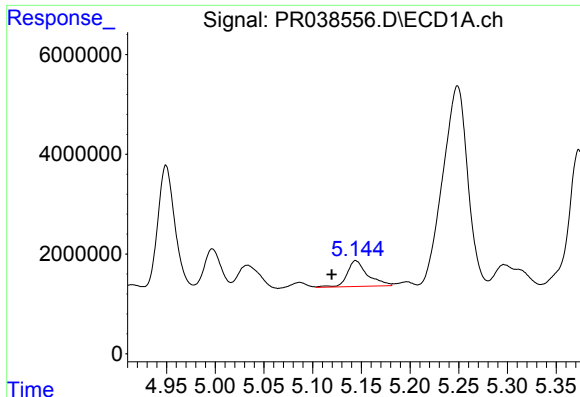
#22 AR-1248-2

R.T.: 5.087 min  
Delta R.T.: 0.009 min  
Response: 1217966  
Conc: 10.39 ng/ml



#22 AR-1248-2

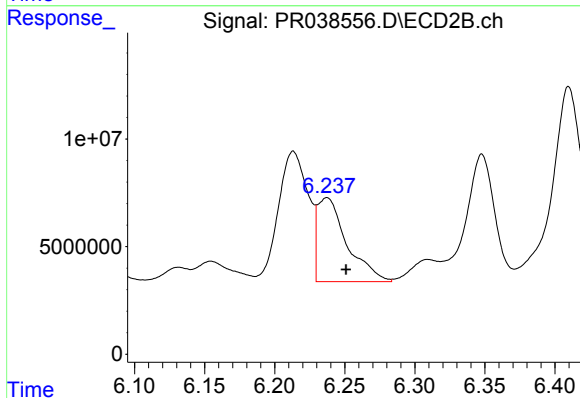
R.T.: 6.059 min  
Delta R.T.: 0.013 min  
Response: 26050080  
Conc: 71.36 ng/ml



#23 AR-1248-3

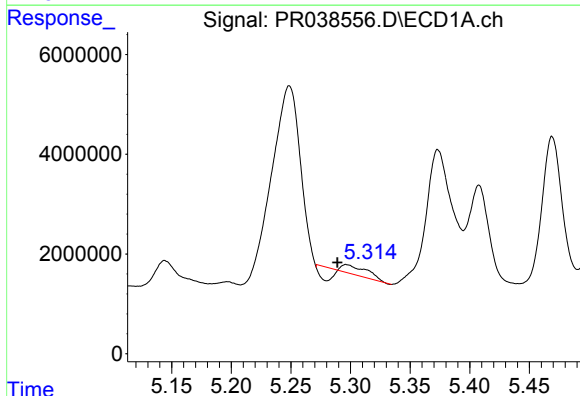
R.T.: 5.144 min  
Delta R.T.: 0.025 min  
Response: 7566666  
Conc: 62.58 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



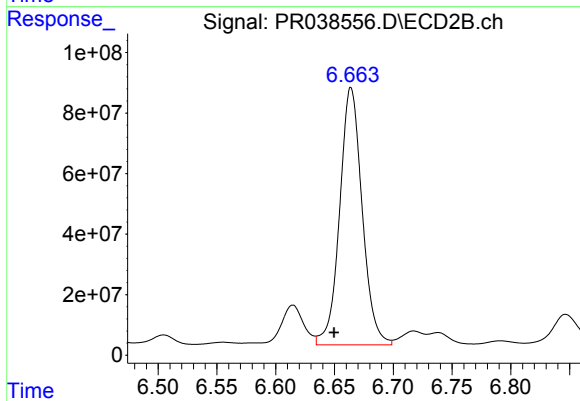
#23 AR-1248-3

R.T.: 6.237 min  
Delta R.T.: -0.014 min  
Response: 57367596  
Conc: 135.07 ng/ml



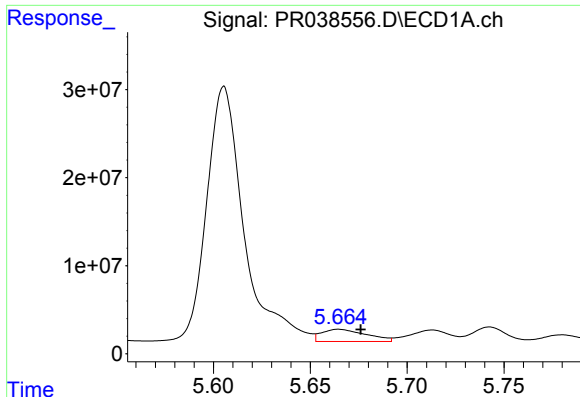
#24 AR-1248-4

R.T.: 5.297 min  
Delta R.T.: 0.007 min  
Response: 1464738  
Conc: 9.71 ng/ml



#24 AR-1248-4

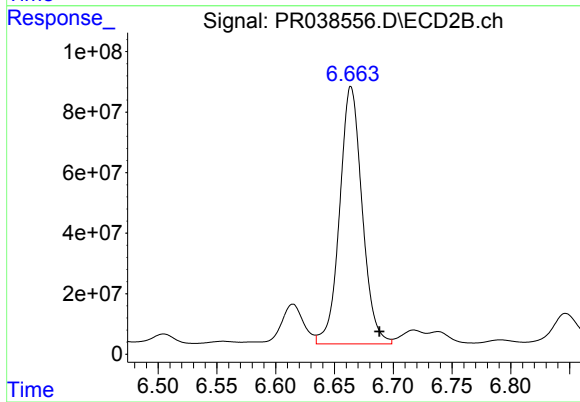
R.T.: 6.664 min  
Delta R.T.: 0.014 min  
Response: 1134351757  
Conc: 2247.70 ng/ml



#25 AR-1248-5

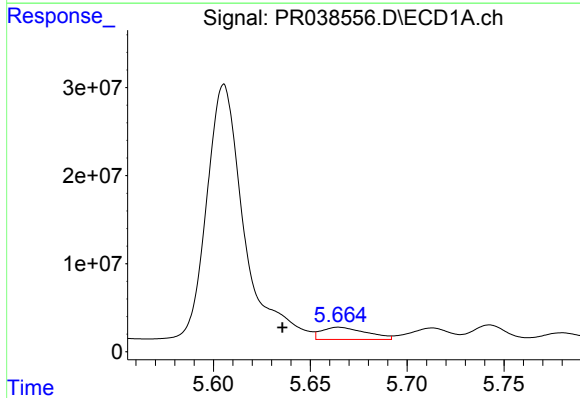
R.T.: 5.665 min  
Delta R.T.: -0.011 min  
Response: 22196663  
Conc: 137.05 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



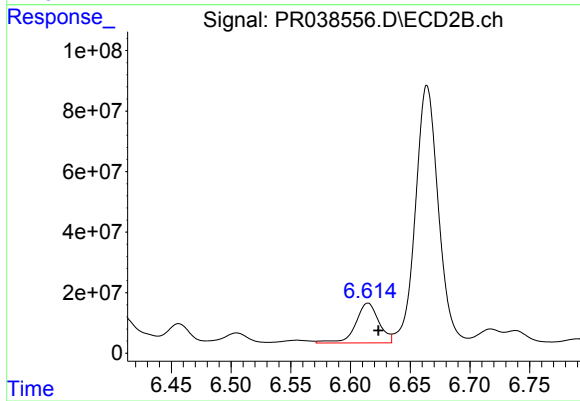
#25 AR-1248-5

R.T.: 6.664 min  
Delta R.T.: -0.024 min  
Response: 1134351757  
Conc: 2375.33 ng/ml



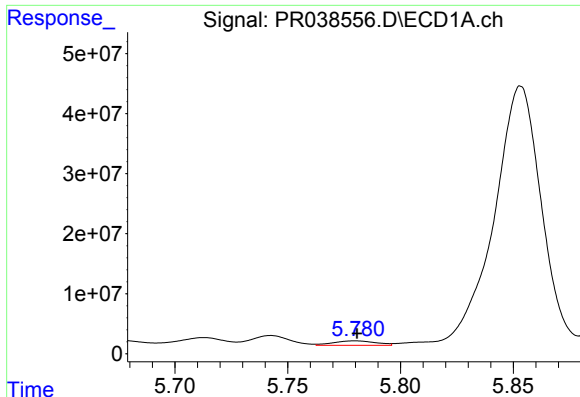
#26 AR-1254-1

R.T.: 5.665 min  
Delta R.T.: 0.029 min  
Response: 22196663  
Conc: 100.44 ng/ml



#26 AR-1254-1

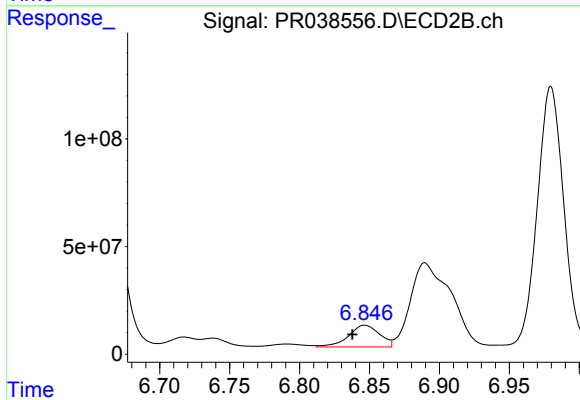
R.T.: 6.615 min  
Delta R.T.: -0.009 min  
Response: 178848890  
Conc: 384.48 ng/ml



#27 AR-1254-2

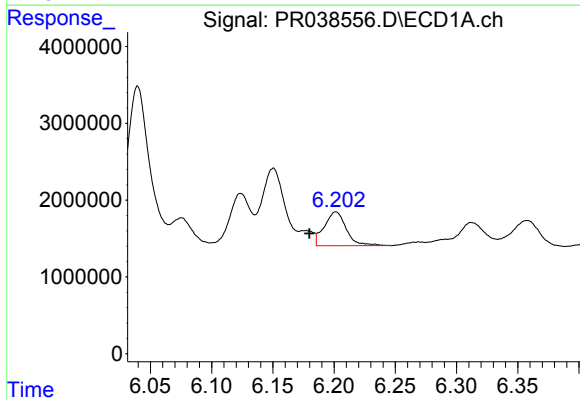
R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 9921525  
Conc: 52.34 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



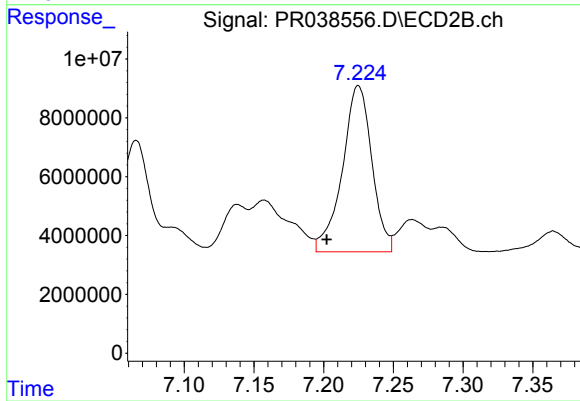
#27 AR-1254-2

R.T.: 6.847 min  
Delta R.T.: 0.009 min  
Response: 156259365  
Conc: 235.47 ng/ml



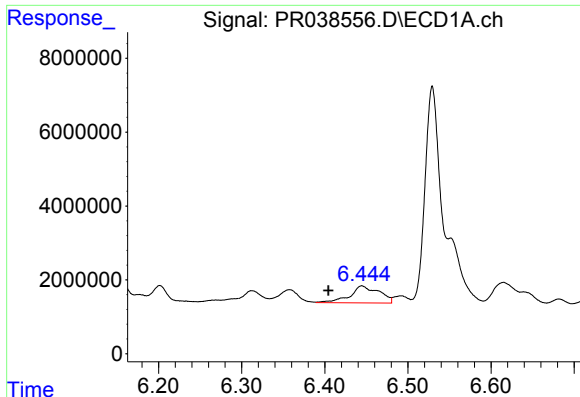
#28 AR-1254-3

R.T.: 6.202 min  
Delta R.T.: 0.022 min  
Response: 5543467  
Conc: 17.61 ng/ml



#28 AR-1254-3

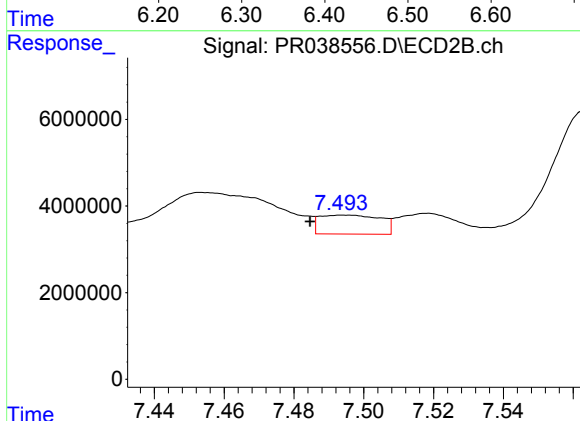
R.T.: 7.225 min  
Delta R.T.: 0.023 min  
Response: 83251944  
Conc: 109.93 ng/ml



#29 AR-1254-4

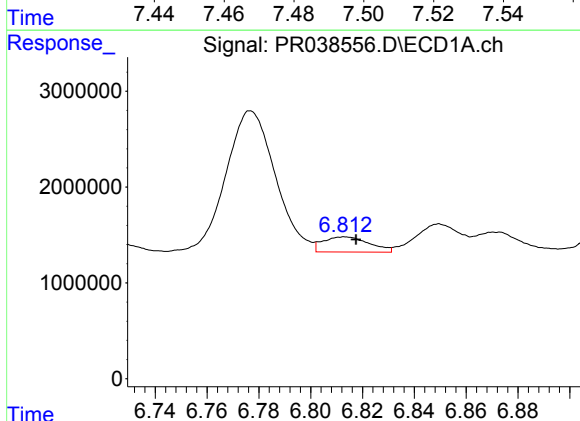
R.T.: 6.445 min  
Delta R.T.: 0.040 min  
Response: 11297228  
Conc: 52.51 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



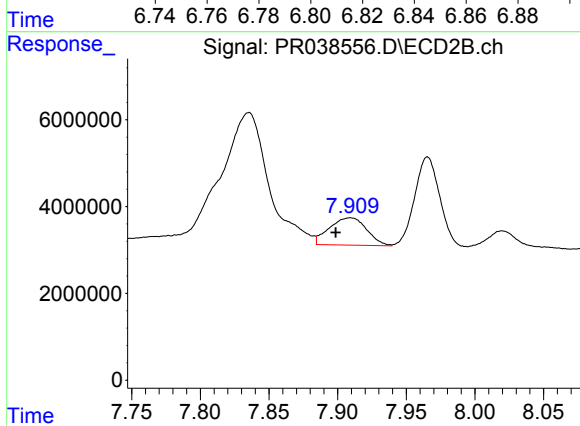
#29 AR-1254-4

R.T.: 7.495 min  
Delta R.T.: 0.010 min  
Response: 5323741  
Conc: 9.24 ng/ml



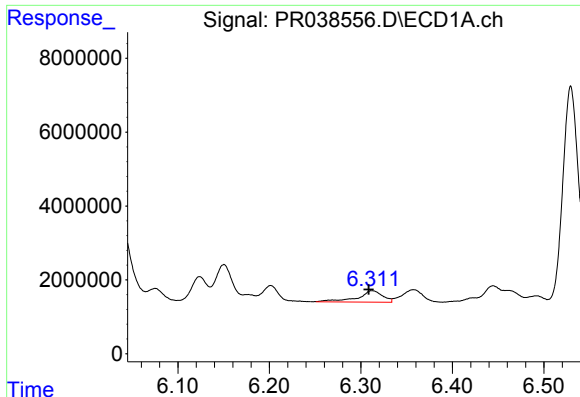
#30 AR-1254-5

R.T.: 6.813 min  
Delta R.T.: -0.004 min  
Response: 1967533  
Conc: 6.93 ng/ml



#30 AR-1254-5

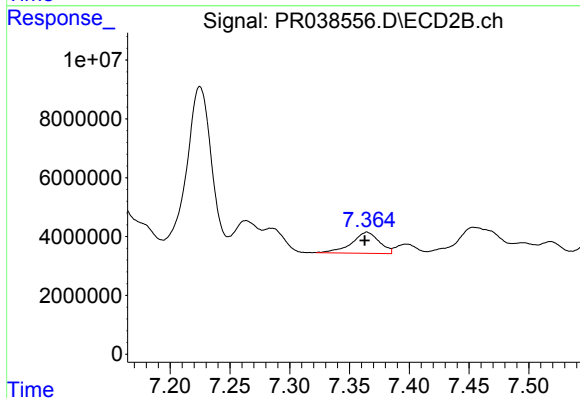
R.T.: 7.909 min  
Delta R.T.: 0.011 min  
Response: 11924510  
Conc: 19.56 ng/ml



#31 AR-1260-1

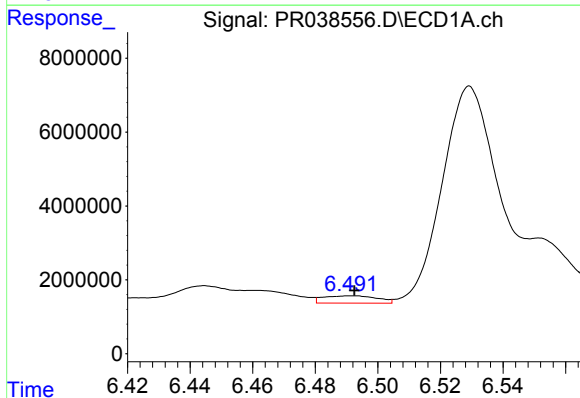
R.T.: 6.312 min  
Delta R.T.: 0.004 min  
Response: 5929802  
Conc: 44.86 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



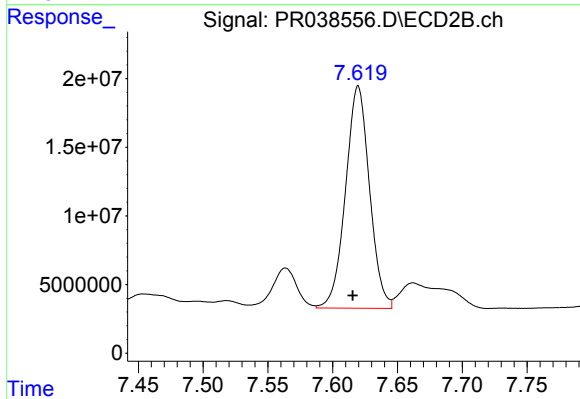
#31 AR-1260-1

R.T.: 7.365 min  
Delta R.T.: 0.002 min  
Response: 11564894  
Conc: 33.66 ng/ml



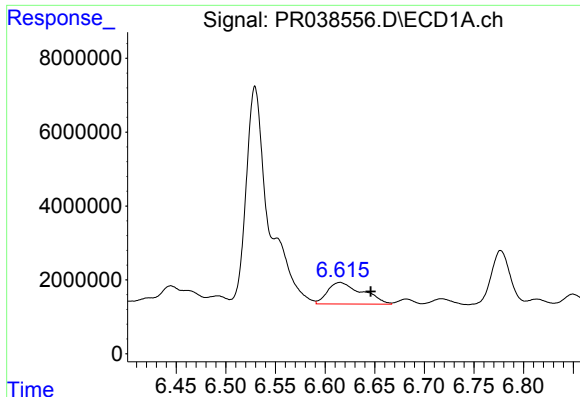
#32 AR-1260-2

R.T.: 6.492 min  
Delta R.T.: 0.000 min  
Response: 2397518  
Conc: 14.06 ng/ml



#32 AR-1260-2

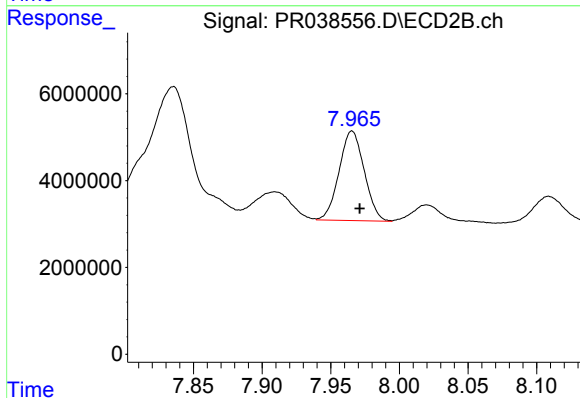
R.T.: 7.620 min  
Delta R.T.: 0.004 min  
Response: 208308451  
Conc: 513.98 ng/ml



#33 AR-1260-3

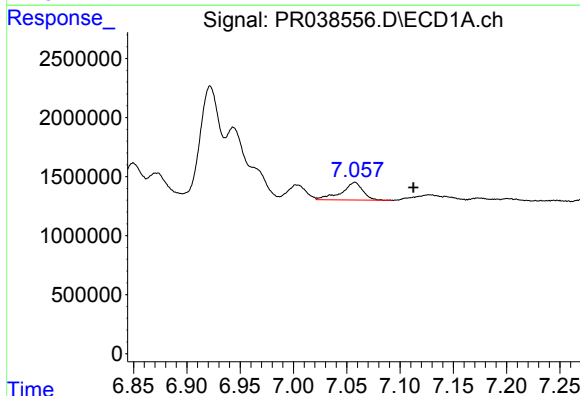
R.T.: 6.615 min  
Delta R.T.: -0.031 min  
Response: 14242754  
Conc: 94.34 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



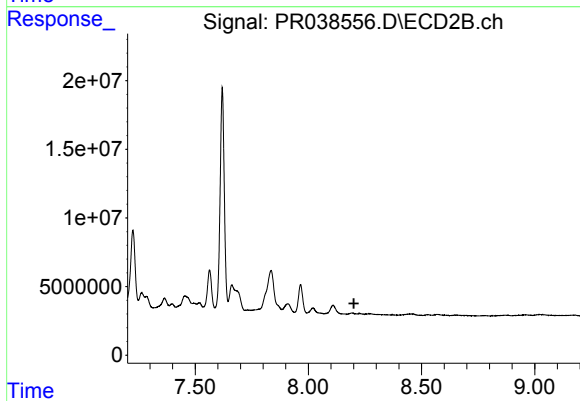
#33 AR-1260-3

R.T.: 7.965 min  
Delta R.T.: -0.006 min  
Response: 26307802  
Conc: 86.42 ng/ml



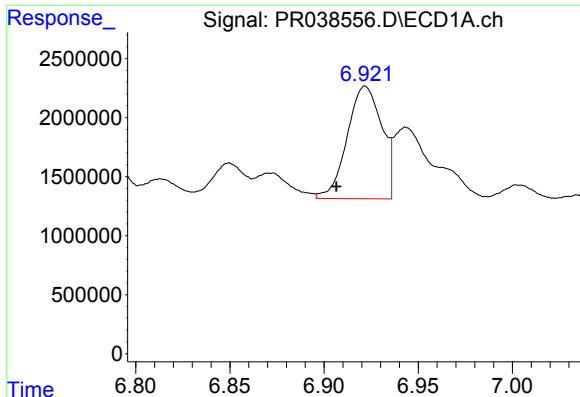
#34 AR-1260-4

R.T.: 7.058 min  
Delta R.T.: -0.055 min  
Response: 2101703  
Conc: 16.26 ng/ml



#34 AR-1260-4

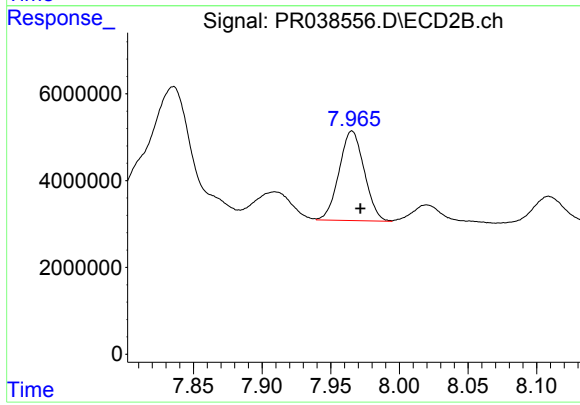
R.T.: 0.000 min  
Exp R.T.: 8.201 min  
Response: 0  
Conc: N.D.



#36 AR-1262-1

R.T.: 6.922 min  
Delta R.T.: 0.015 min  
Response: 12193197  
Conc: 101.89 ng/ml

Instrument :  
ECD\_R  
ClientSampleId :



#36 AR-1262-1

R.T.: 7.965 min  
Delta R.T.: -0.006 min  
Response: 26307802  
Conc: 37.19 ng/ml