

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042423\
 Data File : PP057170.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Apr 2023 12:38
 Operator : YP\AJ
 Sample : 02467-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 24 22:36:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042023.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 20 16:59:40 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...	4.404	3.632	43241427	34686470	19.549	20.533
2) SA Decachlor...	10.220	8.689	27298097	21584448	17.010	12.065 #
Target Compounds						
3) L1 AR-1016-1	5.554f	4.733	214036	434055	3.412	7.641 #
4) L1 AR-1016-2	5.606	4.758	1240344	766028	13.593	9.560 #
5) L1 AR-1016-3	5.661	4.924	142740	224971	2.475	5.179 #
6) L1 AR-1016-4	5.741f	4.975	305438	290341	6.721	7.482
8) L2 AR-1221-1	4.611	3.836	1163268	345472	43.576	16.186 #
9) L2 AR-1221-2	4.712	3.934	593913	1387722	30.516	86.295 #
10) L2 AR-1221-3	4.796f	4.008	340450	388323	5.805	7.900 #
11) L3 AR-1232-1	4.796f	4.008	340450	388323	7.022	9.668 #
12) L3 AR-1232-2	5.322	4.758	506552	766028	20.394	21.176
13) L3 AR-1232-3	5.606	4.924	1240344	224971	29.820	11.705 #
14) L3 AR-1232-4	5.741f	5.032f	305438	364708	14.787	18.406
16) L4 AR-1242-1	5.554f	4.733	214036	434055	4.182	9.276 #
17) L4 AR-1242-2	5.606	4.758	1240344	766028	16.560	11.794 #
18) L4 AR-1242-3	5.661	4.924	142740	224971	3.030	6.334 #
19) L4 AR-1242-4	5.741f	5.032f	305438	364708	8.188	9.172
20) L4 AR-1242-5	6.477f	5.538	8188853	3816292	243.115	85.306 #
21) L5 AR-1248-1	5.554f	4.733	214036	434055	5.567	12.306 #
22) L5 AR-1248-2	5.861	4.975	296892	290341	4.711	5.230
23) L5 AR-1248-3	0.000	5.032f	0	364708	N.D.	6.299 #
24) L5 AR-1248-4	6.477	5.194	8188853	-519212	138.345	N.D. #
25) L5 AR-1248-5	6.477f	5.584	8188853	1242506	141.059	21.382 #
26) L6 AR-1254-1	6.430	5.538	6148336	3816292	81.412	37.870 #
27) L6 AR-1254-2	6.669	5.687	2449514	1105738	22.585	12.374 #
28) L6 AR-1254-3	7.037	6.094	1803807	1378147	17.426	9.837 #
29) L6 AR-1254-4	7.316	6.322	1114985	552487	17.947	7.333 #
30) L6 AR-1254-5	7.757f	6.742	9815024	10891807	136.260	88.481 #
31) L7 AR-1260-1	7.194	6.245f	1885282	3679709	21.646	36.313 #
32) L7 AR-1260-2	7.449	6.412	10965947	1510397	119.413	12.995 #
33) L7 AR-1260-3	7.813	6.569	547454	903844	7.544	8.170
34) L7 AR-1260-4	8.037	7.050	3863988	2898100	45.983	31.639 #
35) L7 AR-1260-5	8.364	7.284	1627455	1251110	11.340	6.932 #
36) L8 AR-1262-1	7.813	6.847	547454	1022573	5.424	17.914 #
37) L8 AR-1262-2	8.364	7.050	1627455	2898100	11.127	24.944 #
38) L8 AR-1262-3	8.705f	7.568	8539769	602962	79.607	6.654 #
39) L8 AR-1262-4	8.774	7.633	698083	1282327	8.352	8.160
40) L8 AR-1262-5	9.443	8.129	60409	66038	1.261	0.966
41) L9 AR-1268-1	8.705f	7.568	8539769	602962	40.486	2.171 #
42) L9 AR-1268-2	8.774	7.633	698083	1282327	3.898	5.142 #
43) L9 AR-1268-3	9.006	7.843	139321	256877	0.789	1.161 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042423\
 Data File : PP057170.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Apr 2023 12:38
 Operator : YP\AJ
 Sample : 02467-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 24 22:36:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042023.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Apr 20 16:59:40 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
44) L9	AR-1268-4	9.443	8.129	60409	66038	1.065	0.826
45) L9	AR-1268-5	9.874	8.429	1129710	703135	2.376	1.187 #

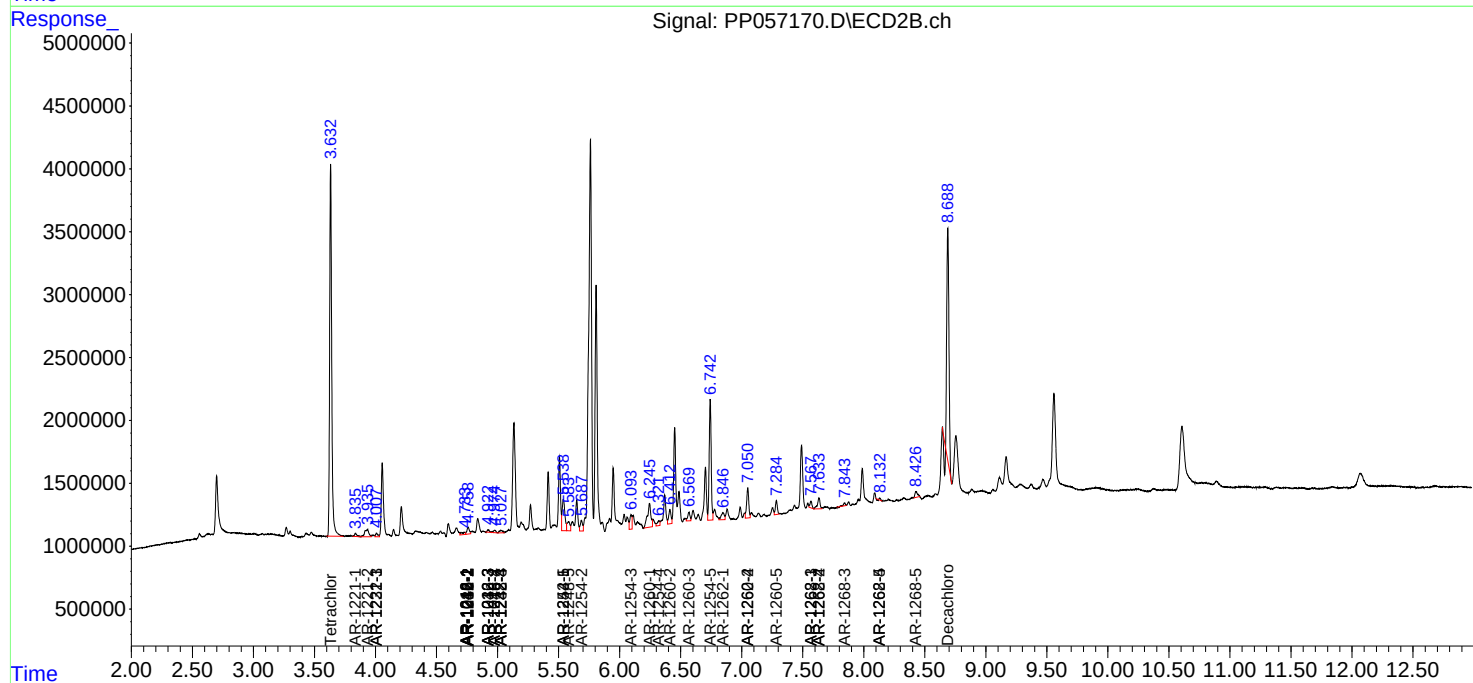
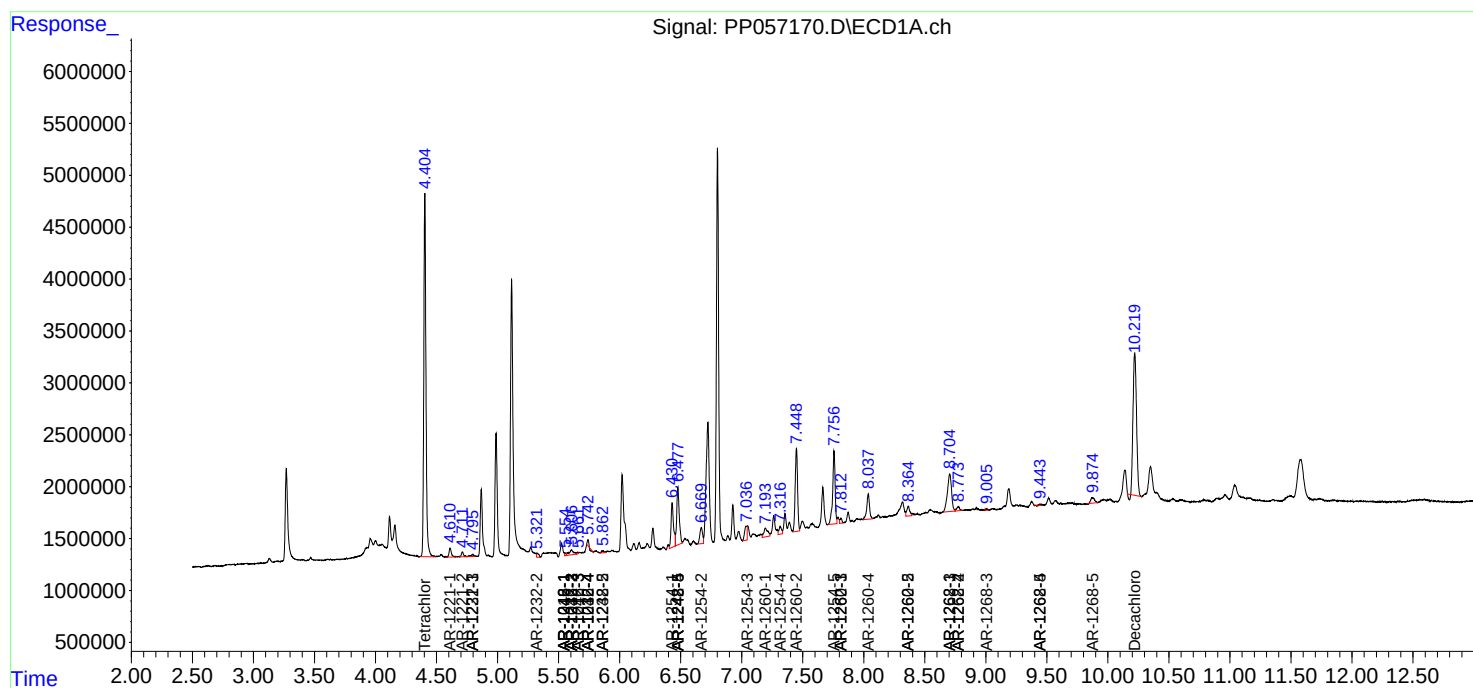
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

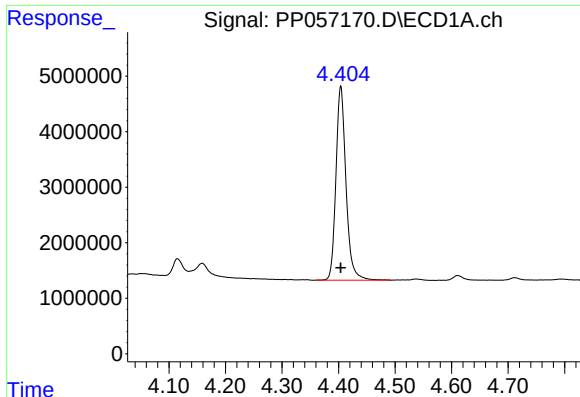
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042423\
Data File : PP057170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Apr 2023 12:38
Operator : YP\AJ
Sample : 02467-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 22:36:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042023.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Apr 20 16:59:40 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

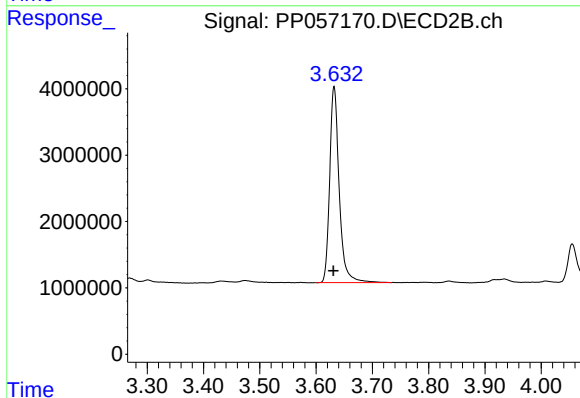




#1 Tetrachloro-m-xylene

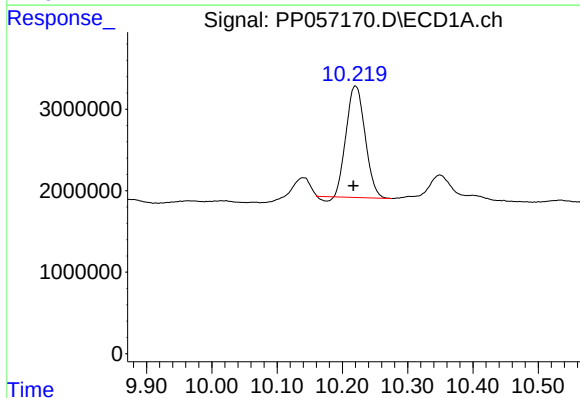
R.T.: 4.404 min
Delta R.T.: 0.000 min
Response: 43241427
Conc: 19.55 ng/ml

Instrument :
ECD_P
ClientSampleId :



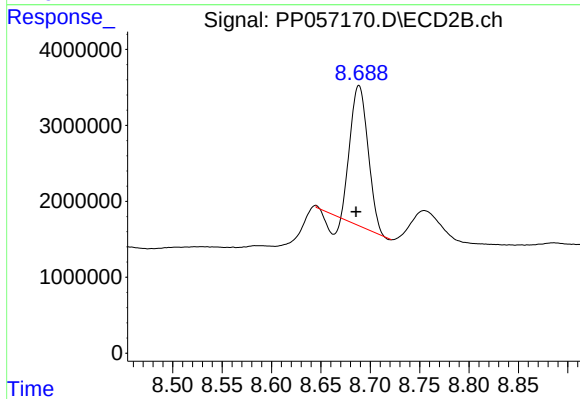
#1 Tetrachloro-m-xylene

R.T.: 3.632 min
Delta R.T.: 0.001 min
Response: 34686470
Conc: 20.53 ng/ml



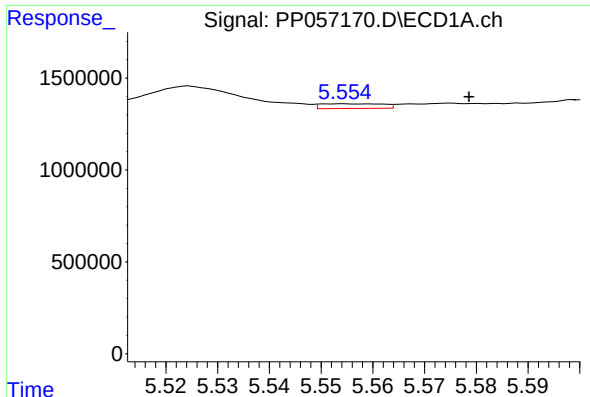
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.003 min
Response: 27298097
Conc: 17.01 ng/ml



#2 Decachlorobiphenyl

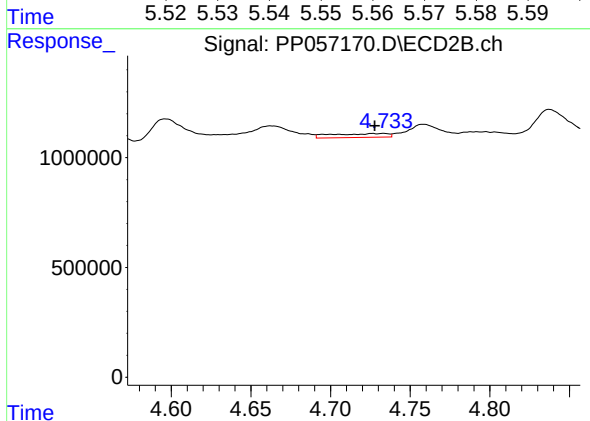
R.T.: 8.689 min
Delta R.T.: 0.003 min
Response: 21584448
Conc: 12.07 ng/ml



#3 AR-1016-1

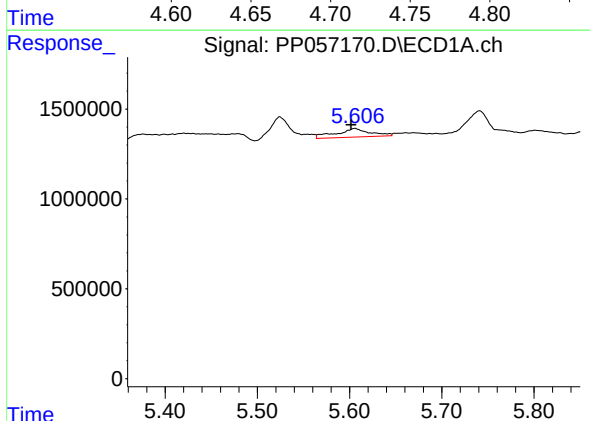
R.T.: 5.554 min
Delta R.T.: -0.025 min
Response: 214036
Conc: 3.41 ng/ml

Instrument :
ECD_P
ClientSampleId :



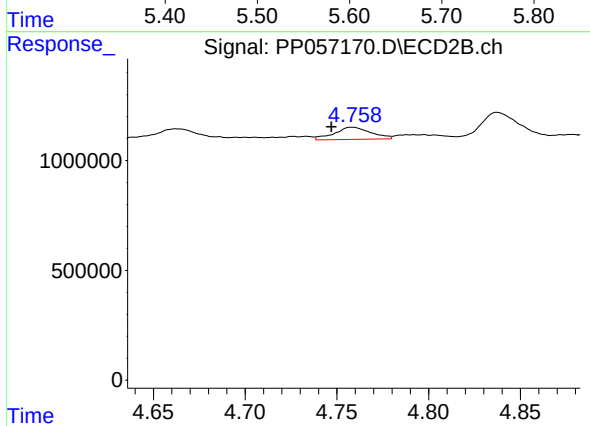
#3 AR-1016-1

R.T.: 4.733 min
Delta R.T.: 0.005 min
Response: 434055
Conc: 7.64 ng/ml



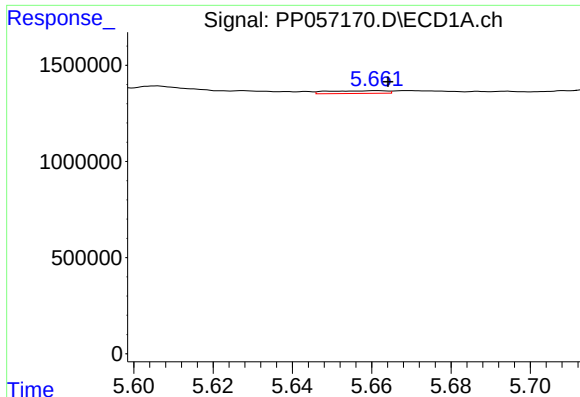
#4 AR-1016-2

R.T.: 5.606 min
Delta R.T.: 0.004 min
Response: 1240344
Conc: 13.59 ng/ml



#4 AR-1016-2

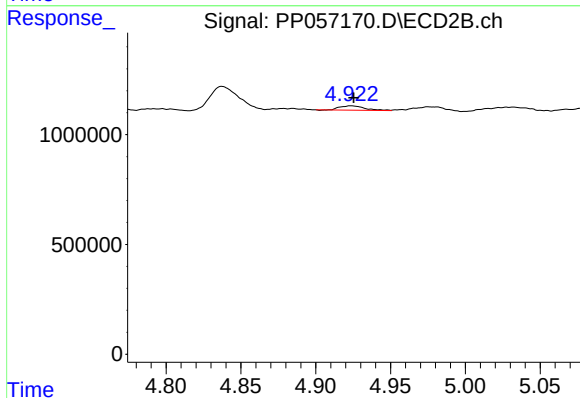
R.T.: 4.758 min
Delta R.T.: 0.011 min
Response: 766028
Conc: 9.56 ng/ml



#5 AR-1016-3

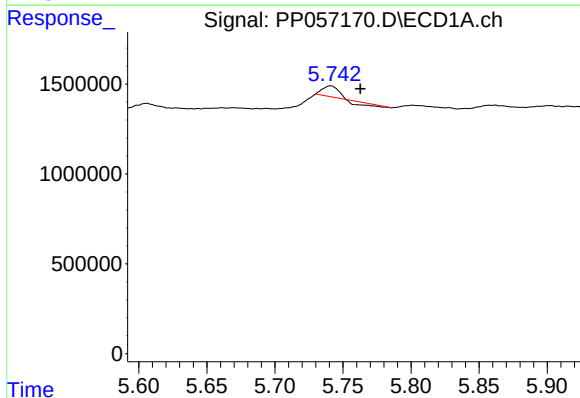
R.T.: 5.661 min
Delta R.T.: -0.003 min
Response: 142740
Conc: 2.47 ng/ml

Instrument :
ECD_P
ClientSampleId :



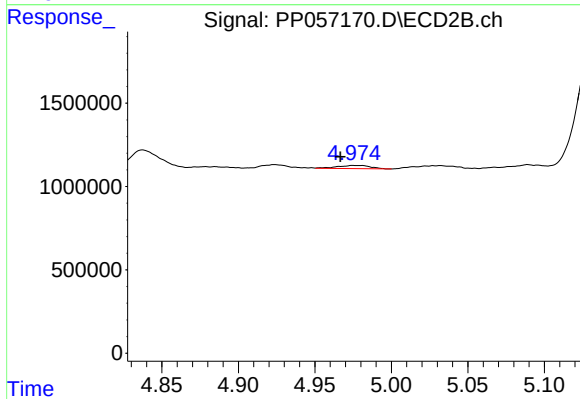
#5 AR-1016-3

R.T.: 4.924 min
Delta R.T.: -0.002 min
Response: 224971
Conc: 5.18 ng/ml



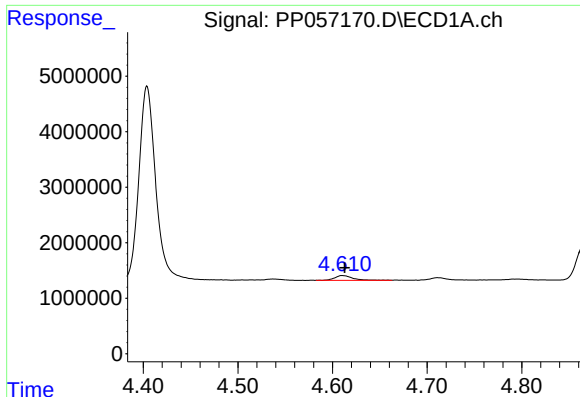
#6 AR-1016-4

R.T.: 5.741 min
Delta R.T.: -0.022 min
Response: 305438
Conc: 6.72 ng/ml



#6 AR-1016-4

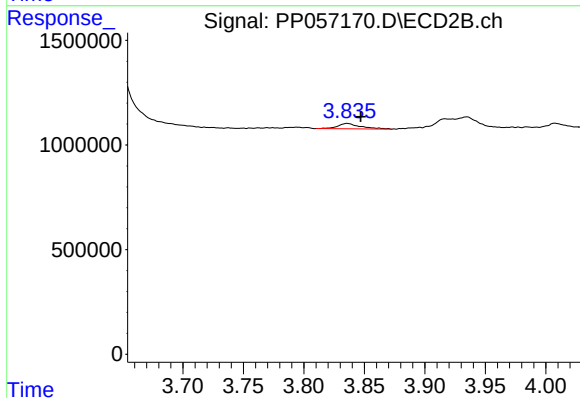
R.T.: 4.975 min
Delta R.T.: 0.009 min
Response: 290341
Conc: 7.48 ng/ml



#8 AR-1221-1

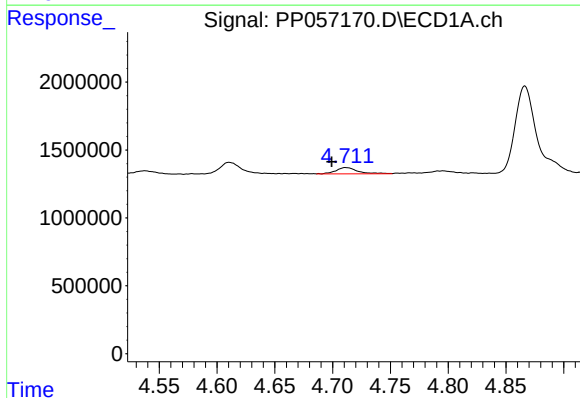
R.T.: 4.611 min
Delta R.T.: -0.002 min
Response: 1163268
Conc: 43.58 ng/ml

Instrument :
ECD_P
ClientSampleId :



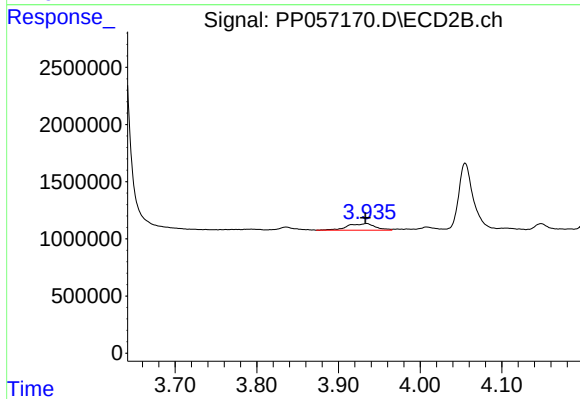
#8 AR-1221-1

R.T.: 3.836 min
Delta R.T.: -0.011 min
Response: 345472
Conc: 16.19 ng/ml



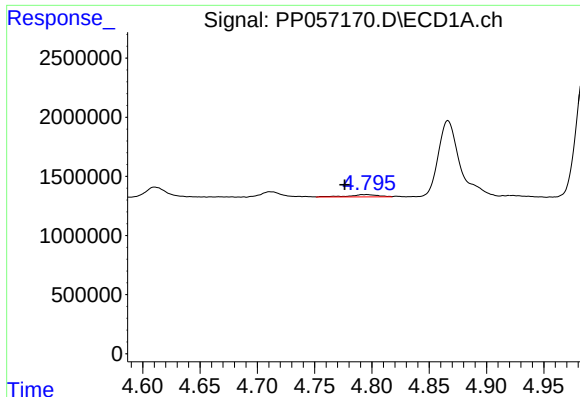
#9 AR-1221-2

R.T.: 4.712 min
Delta R.T.: 0.012 min
Response: 593913
Conc: 30.52 ng/ml



#9 AR-1221-2

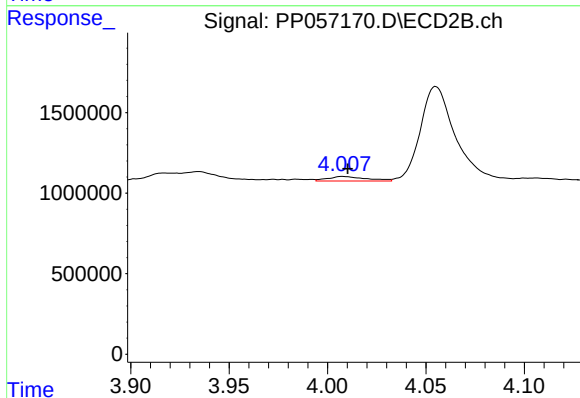
R.T.: 3.934 min
Delta R.T.: 0.002 min
Response: 1387722
Conc: 86.29 ng/ml



#10 AR-1221-3

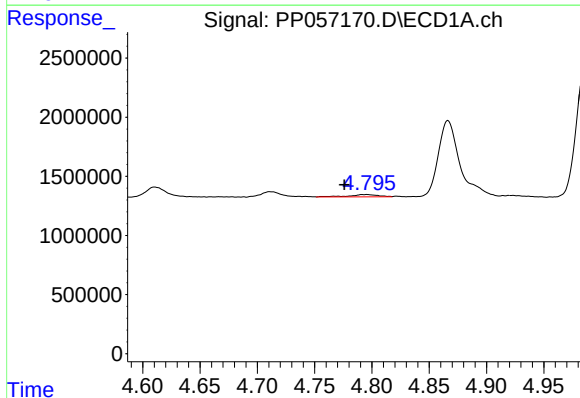
R.T.: 4.796 min
Delta R.T.: 0.020 min
Response: 340450
Conc: 5.81 ng/ml

Instrument :
ECD_P
ClientSampleId :



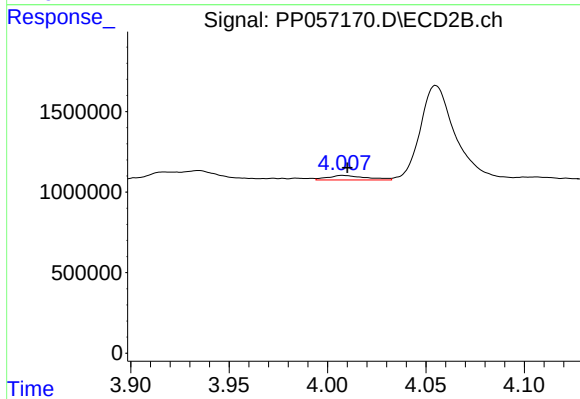
#10 AR-1221-3

R.T.: 4.008 min
Delta R.T.: -0.003 min
Response: 388323
Conc: 7.90 ng/ml



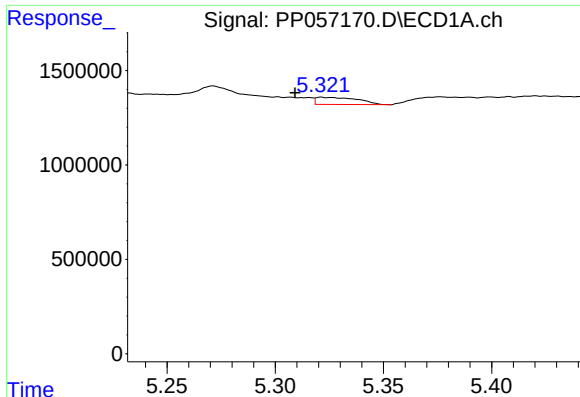
#11 AR-1232-1

R.T.: 4.796 min
Delta R.T.: 0.020 min
Response: 340450
Conc: 7.02 ng/ml



#11 AR-1232-1

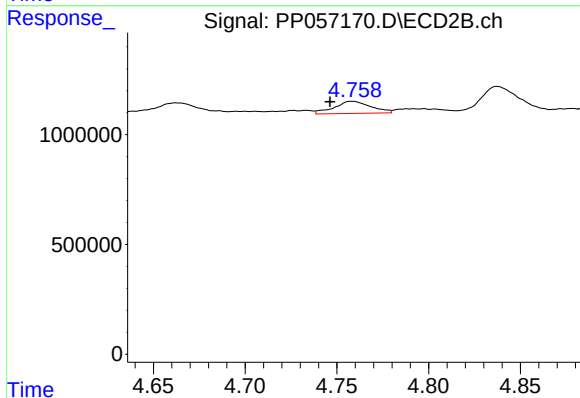
R.T.: 4.008 min
Delta R.T.: -0.002 min
Response: 388323
Conc: 9.67 ng/ml



#12 AR-1232-2

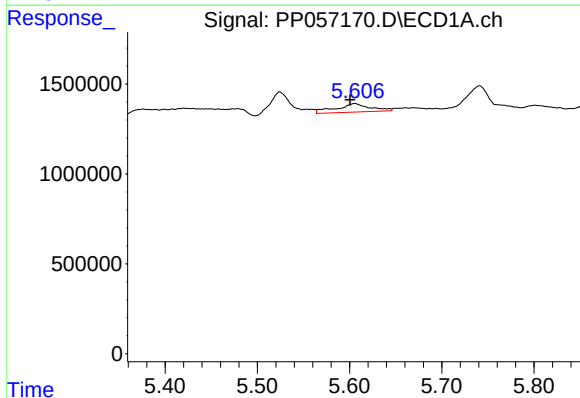
R.T.: 5.322 min
Delta R.T.: 0.012 min
Response: 506552
Conc: 20.39 ng/ml

Instrument :
ECD_P
ClientSampleId :



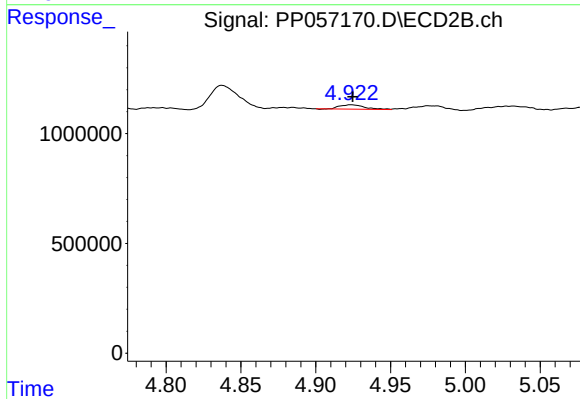
#12 AR-1232-2

R.T.: 4.758 min
Delta R.T.: 0.012 min
Response: 766028
Conc: 21.18 ng/ml



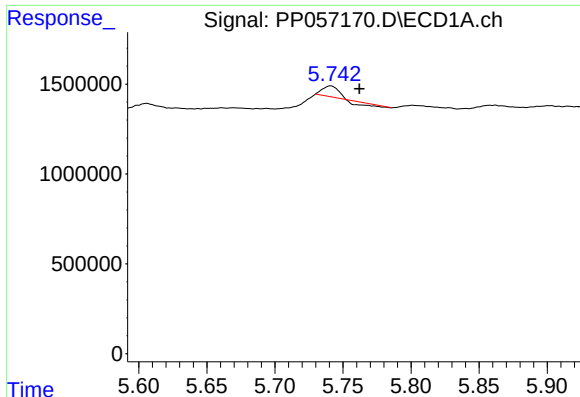
#13 AR-1232-3

R.T.: 5.606 min
Delta R.T.: 0.005 min
Response: 1240344
Conc: 29.82 ng/ml



#13 AR-1232-3

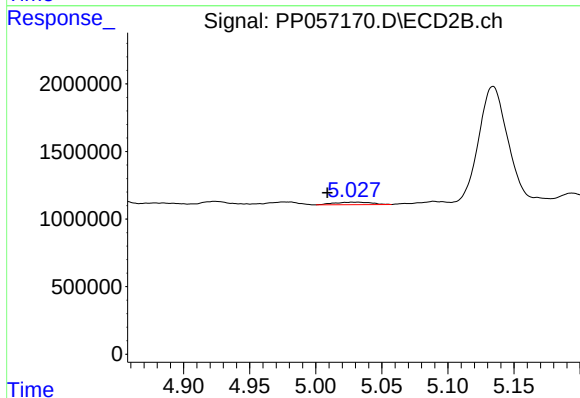
R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 224971
Conc: 11.70 ng/ml



#14 AR-1232-4

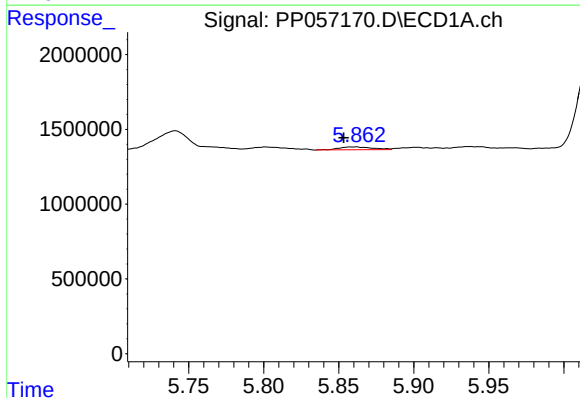
R.T.: 5.741 min
Delta R.T.: -0.021 min
Response: 305438
Conc: 14.79 ng/ml

Instrument :
ECD_P
ClientSampleId :



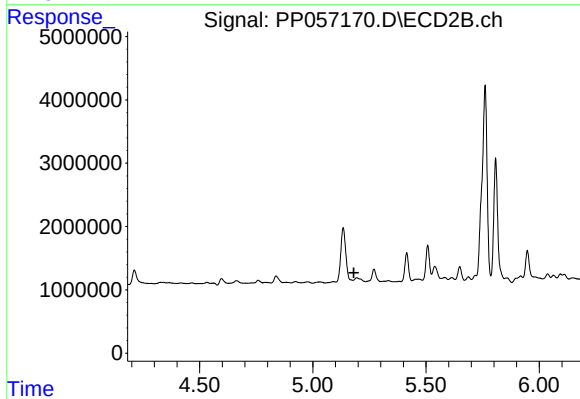
#14 AR-1232-4

R.T.: 5.032 min
Delta R.T.: 0.023 min
Response: 364708
Conc: 18.41 ng/ml



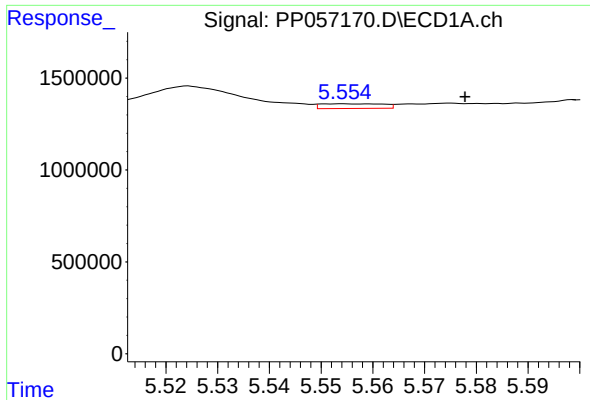
#15 AR-1232-5

R.T.: 5.861 min
Delta R.T.: 0.008 min
Response: 296892
Conc: 15.70 ng/ml



#15 AR-1232-5

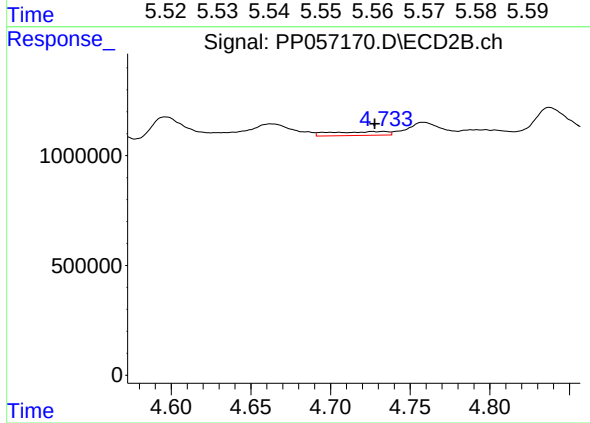
R.T.: 5.194 min
Delta R.T.: 0.012 min
Response: -519212
Conc: N.D.



#16 AR-1242-1

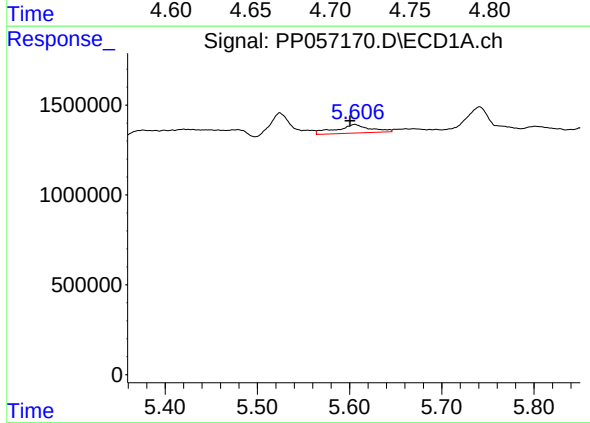
R.T.: 5.554 min
Delta R.T.: -0.024 min
Response: 214036
Conc: 4.18 ng/ml

Instrument :
ECD_P
ClientSampleId :



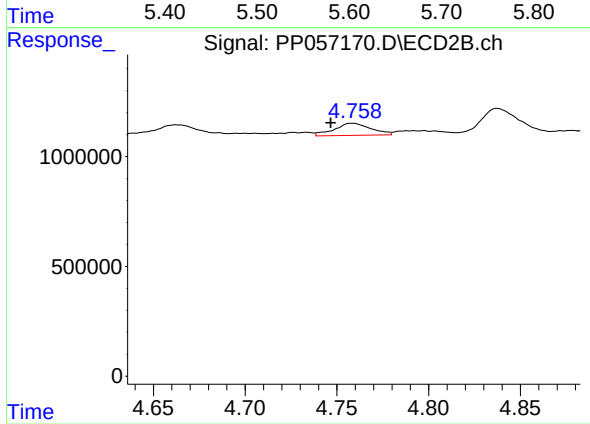
#16 AR-1242-1

R.T.: 4.733 min
Delta R.T.: 0.006 min
Response: 434055
Conc: 9.28 ng/ml



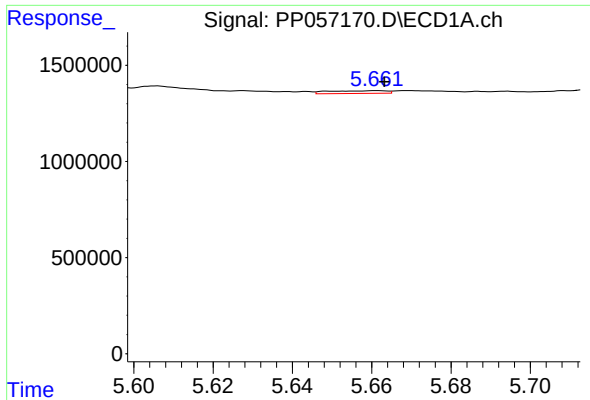
#17 AR-1242-2

R.T.: 5.606 min
Delta R.T.: 0.005 min
Response: 1240344
Conc: 16.56 ng/ml



#17 AR-1242-2

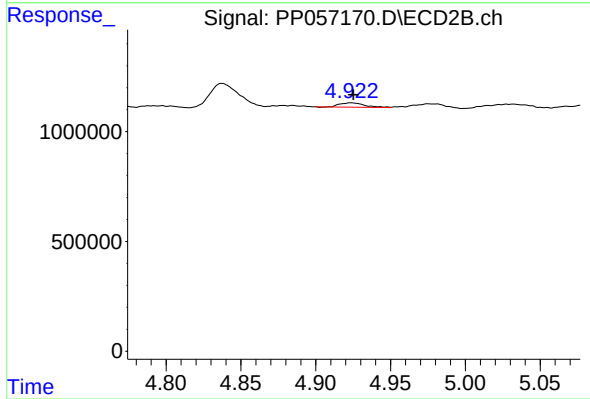
R.T.: 4.758 min
Delta R.T.: 0.012 min
Response: 766028
Conc: 11.79 ng/ml



#18 AR-1242-3

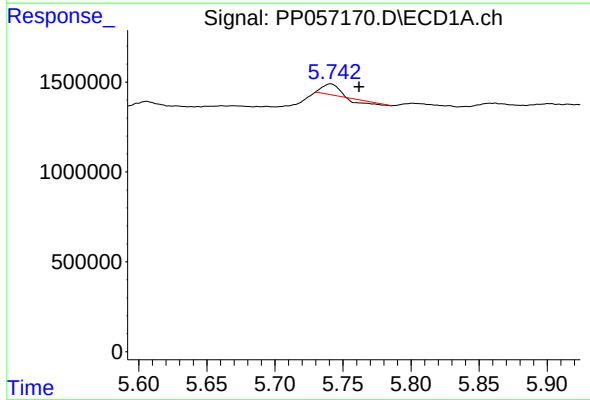
R.T.: 5.661 min
Delta R.T.: -0.002 min
Response: 142740
Conc: 3.03 ng/ml

Instrument :
ECD_P
ClientSampleId :



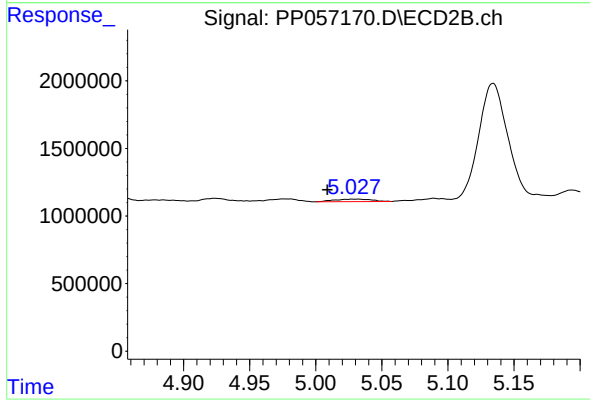
#18 AR-1242-3

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 224971
Conc: 6.33 ng/ml



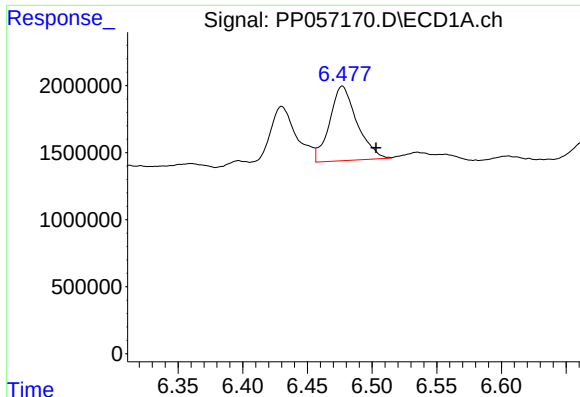
#19 AR-1242-4

R.T.: 5.741 min
Delta R.T.: -0.021 min
Response: 305438
Conc: 8.19 ng/ml



#19 AR-1242-4

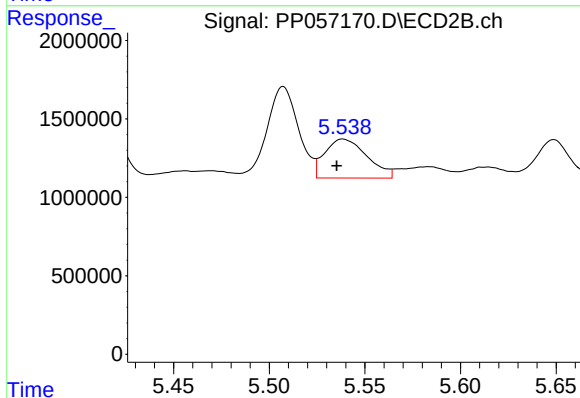
R.T.: 5.032 min
Delta R.T.: 0.023 min
Response: 364708
Conc: 9.17 ng/ml



#20 AR-1242-5

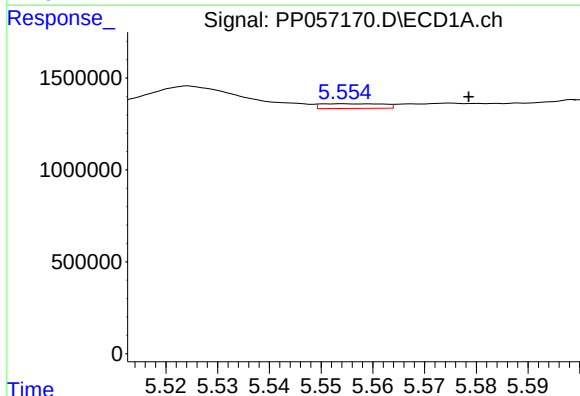
R.T.: 6.477 min
Delta R.T.: -0.026 min
Response: 8188853
Conc: 243.11 ng/ml

Instrument :
ECD_P
ClientSampleId :



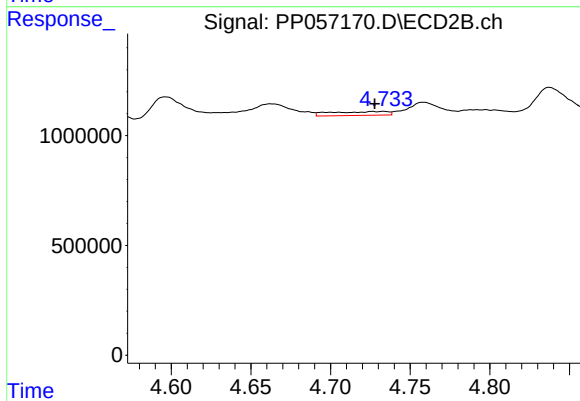
#20 AR-1242-5

R.T.: 5.538 min
Delta R.T.: 0.003 min
Response: 3816292
Conc: 85.31 ng/ml



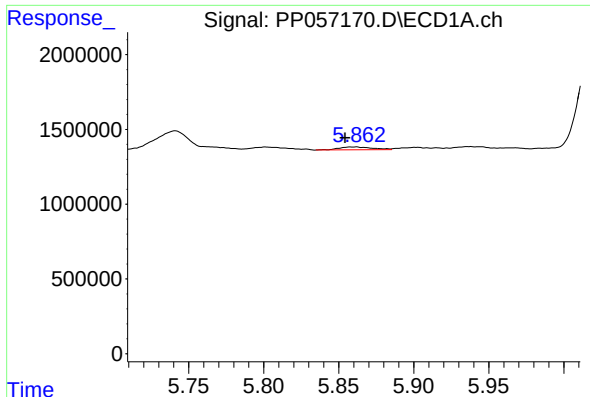
#21 AR-1248-1

R.T.: 5.554 min
Delta R.T.: -0.025 min
Response: 214036
Conc: 5.57 ng/ml



#21 AR-1248-1

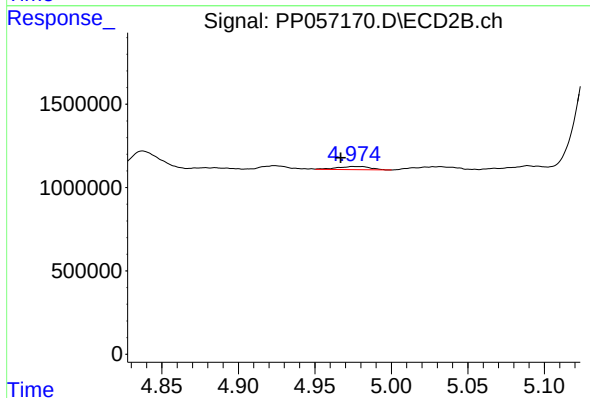
R.T.: 4.733 min
Delta R.T.: 0.005 min
Response: 434055
Conc: 12.31 ng/ml



#22 AR-1248-2

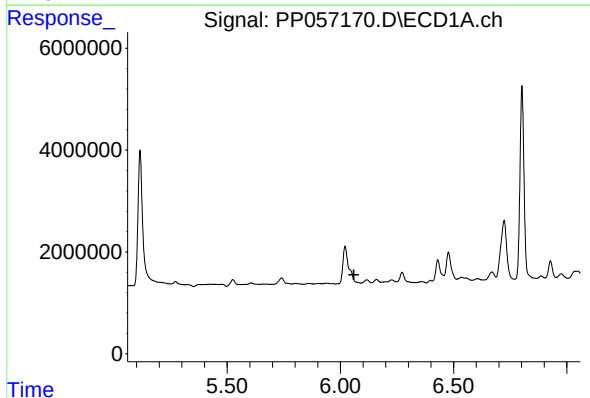
R.T.: 5.861 min
Delta R.T.: 0.007 min
Response: 296892
Conc: 4.71 ng/ml

Instrument :
ECD_P
ClientSampleId :



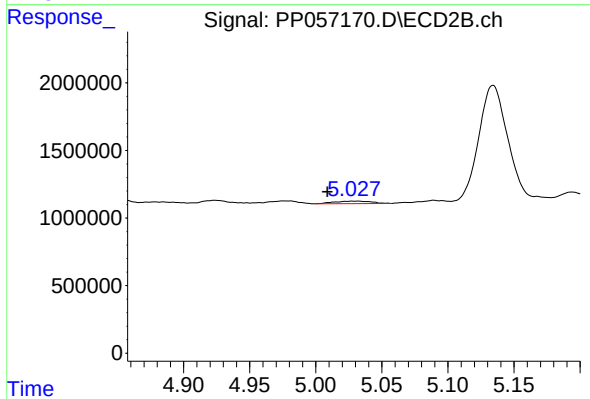
#22 AR-1248-2

R.T.: 4.975 min
Delta R.T.: 0.009 min
Response: 290341
Conc: 5.23 ng/ml



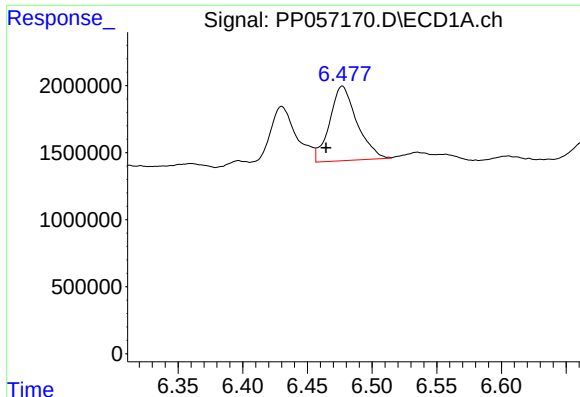
#23 AR-1248-3

R.T.: 0.000 min
Exp R.T. : 6.059 min
Response: 0
Conc: N.D.



#23 AR-1248-3

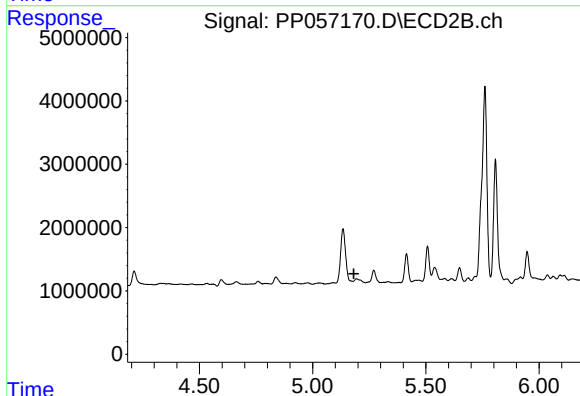
R.T.: 5.032 min
Delta R.T.: 0.023 min
Response: 364708
Conc: 6.30 ng/ml



#24 AR-1248-4

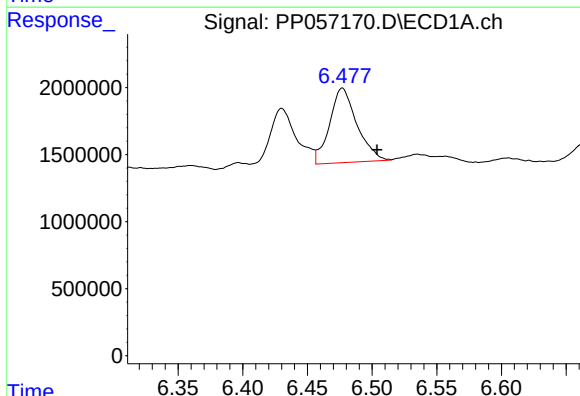
R.T.: 6.477 min
Delta R.T.: 0.013 min
Response: 8188853
Conc: 138.35 ng/ml

Instrument :
ECD_P
ClientSampleId :



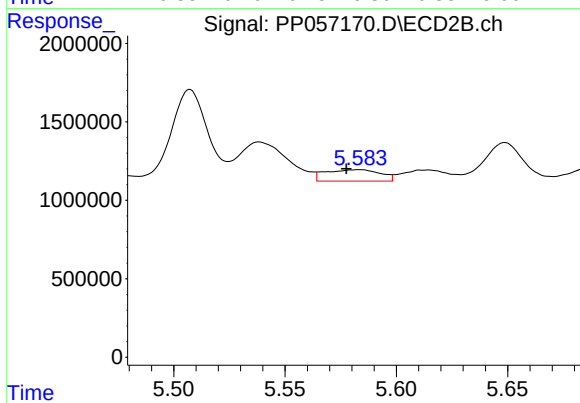
#24 AR-1248-4

R.T.: 5.194 min
Delta R.T.: 0.012 min
Response: -519212
Conc: N.D.



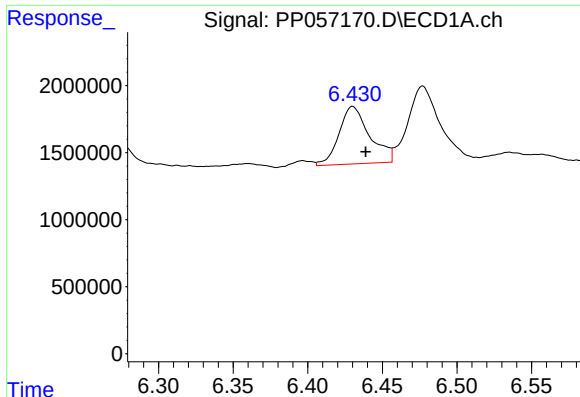
#25 AR-1248-5

R.T.: 6.477 min
Delta R.T.: -0.027 min
Response: 8188853
Conc: 141.06 ng/ml



#25 AR-1248-5

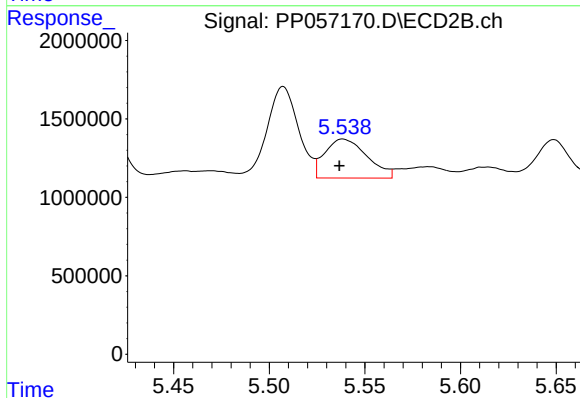
R.T.: 5.584 min
Delta R.T.: 0.006 min
Response: 1242506
Conc: 21.38 ng/ml



#26 AR-1254-1

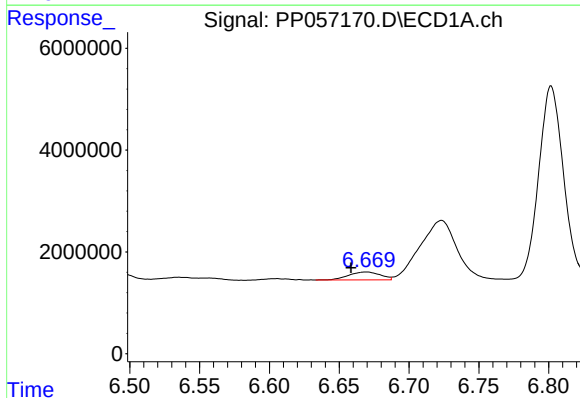
R.T.: 6.430 min
Delta R.T.: -0.009 min
Response: 6148336
Conc: 81.41 ng/ml

Instrument :
ECD_P
ClientSampleId :



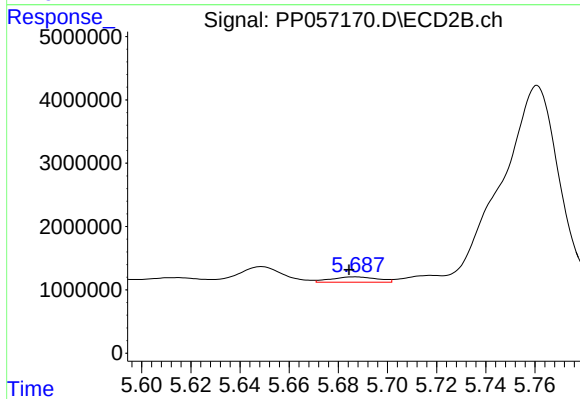
#26 AR-1254-1

R.T.: 5.538 min
Delta R.T.: 0.002 min
Response: 3816292
Conc: 37.87 ng/ml



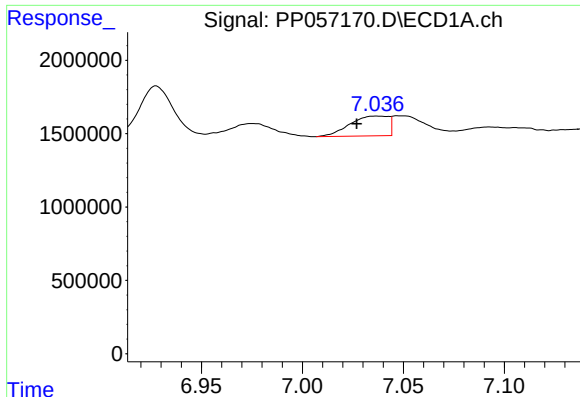
#27 AR-1254-2

R.T.: 6.669 min
Delta R.T.: 0.011 min
Response: 2449514
Conc: 22.58 ng/ml



#27 AR-1254-2

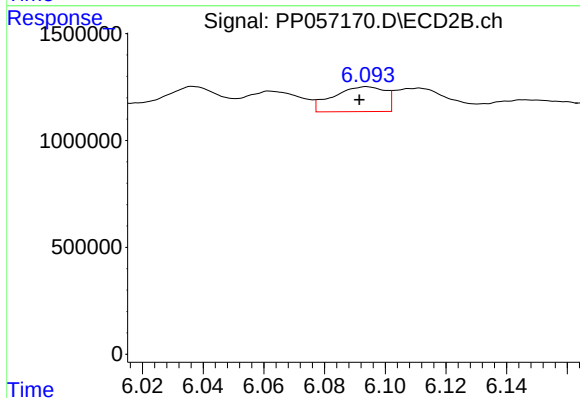
R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 1105738
Conc: 12.37 ng/ml



#28 AR-1254-3

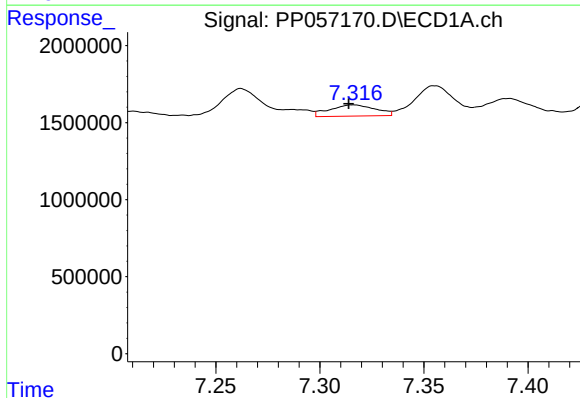
R.T.: 7.037 min
Delta R.T.: 0.010 min
Response: 1803807
Conc: 17.43 ng/ml

Instrument :
ECD_P
ClientSampleId :



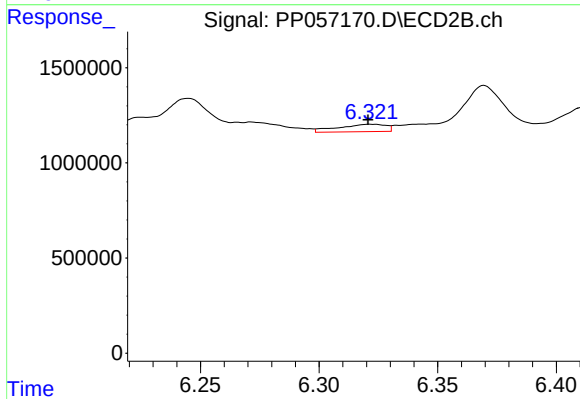
#28 AR-1254-3

R.T.: 6.094 min
Delta R.T.: 0.003 min
Response: 1378147
Conc: 9.84 ng/ml



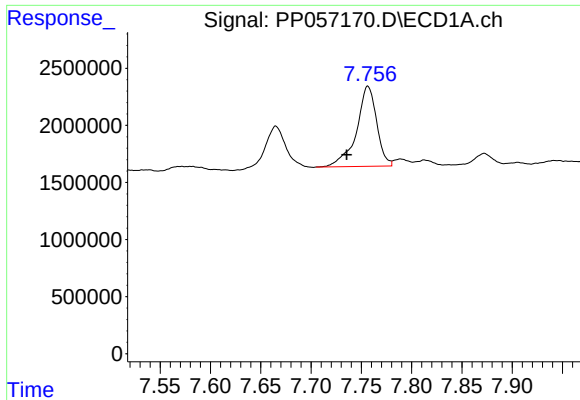
#29 AR-1254-4

R.T.: 7.316 min
Delta R.T.: 0.002 min
Response: 1114985
Conc: 17.95 ng/ml



#29 AR-1254-4

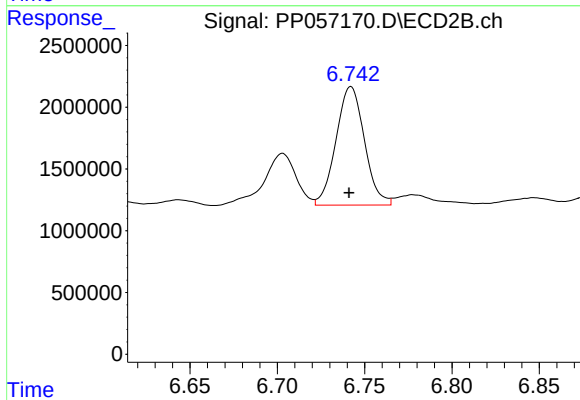
R.T.: 6.322 min
Delta R.T.: 0.001 min
Response: 552487
Conc: 7.33 ng/ml



#30 AR-1254-5

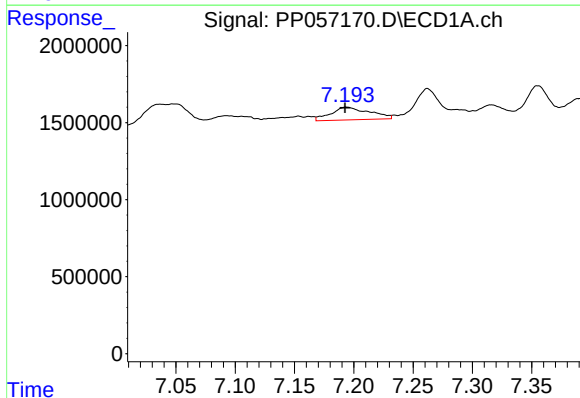
R.T.: 7.757 min
Delta R.T.: 0.021 min
Response: 9815024
Conc: 136.26 ng/ml

Instrument :
ECD_P
ClientSampleId :



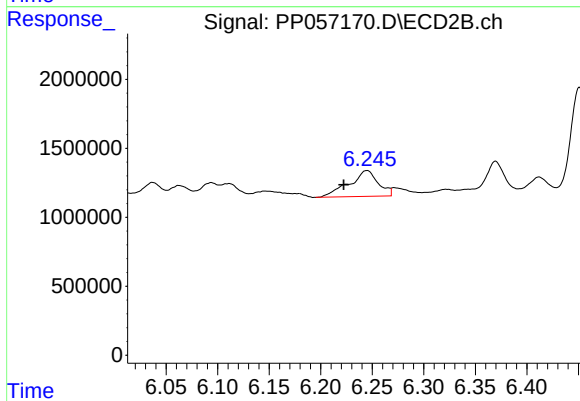
#30 AR-1254-5

R.T.: 6.742 min
Delta R.T.: 0.001 min
Response: 10891807
Conc: 88.48 ng/ml



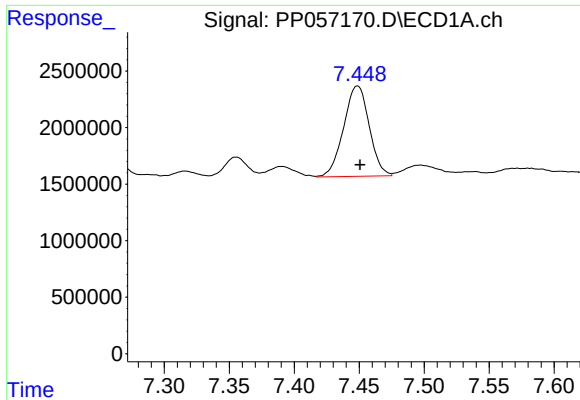
#31 AR-1260-1

R.T.: 7.194 min
Delta R.T.: 0.001 min
Response: 1885282
Conc: 21.65 ng/ml



#31 AR-1260-1

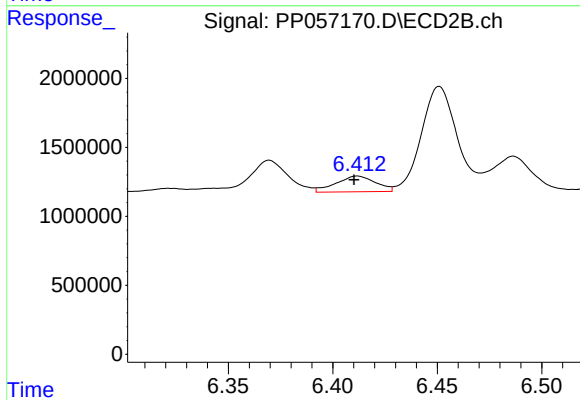
R.T.: 6.245 min
Delta R.T.: 0.022 min
Response: 3679709
Conc: 36.31 ng/ml



#32 AR-1260-2

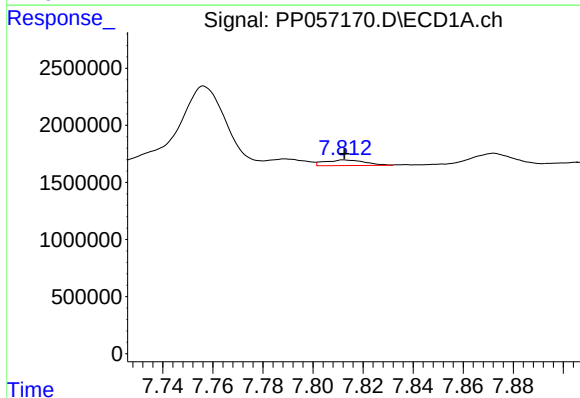
R.T.: 7.449 min
Delta R.T.: -0.002 min
Response: 10965947
Conc: 119.41 ng/ml

Instrument :
ECD_P
ClientSampleId :



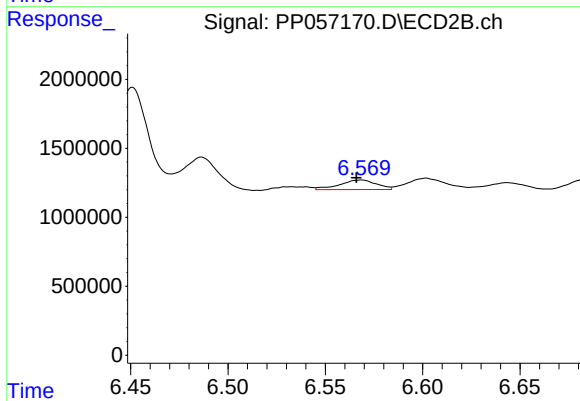
#32 AR-1260-2

R.T.: 6.412 min
Delta R.T.: 0.002 min
Response: 1510397
Conc: 12.99 ng/ml



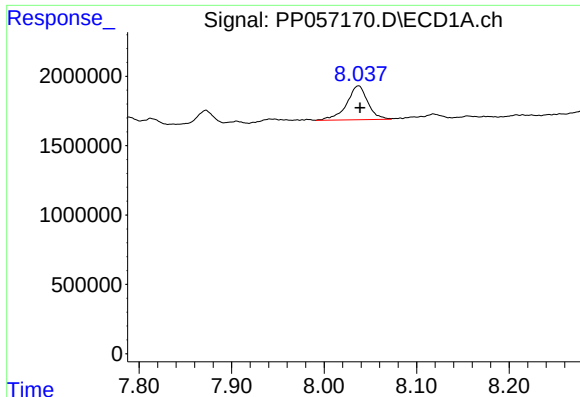
#33 AR-1260-3

R.T.: 7.813 min
Delta R.T.: 0.000 min
Response: 547454
Conc: 7.54 ng/ml



#33 AR-1260-3

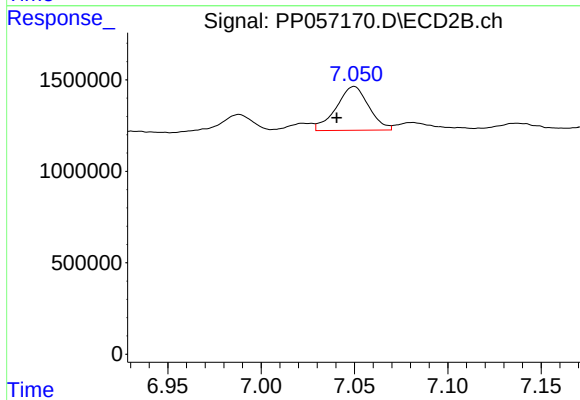
R.T.: 6.569 min
Delta R.T.: 0.003 min
Response: 903844
Conc: 8.17 ng/ml



#34 AR-1260-4

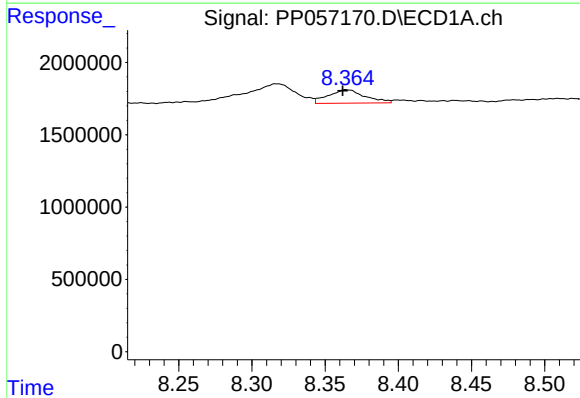
R.T.: 8.037 min
Delta R.T.: -0.002 min
Response: 3863988
Conc: 45.98 ng/ml

Instrument :
ECD_P
ClientSampleId :



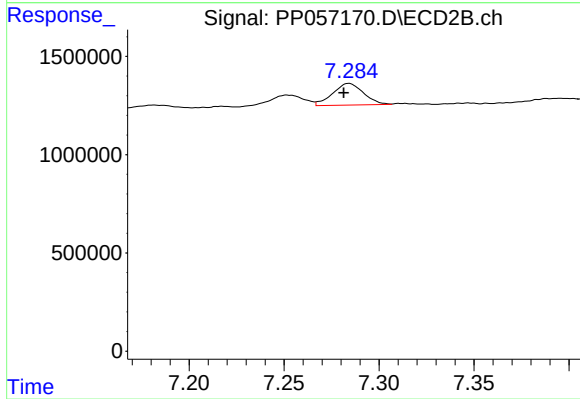
#34 AR-1260-4

R.T.: 7.050 min
Delta R.T.: 0.009 min
Response: 2898100
Conc: 31.64 ng/ml



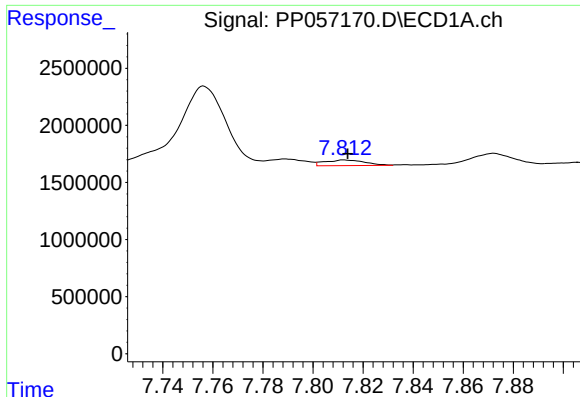
#35 AR-1260-5

R.T.: 8.364 min
Delta R.T.: 0.002 min
Response: 1627455
Conc: 11.34 ng/ml



#35 AR-1260-5

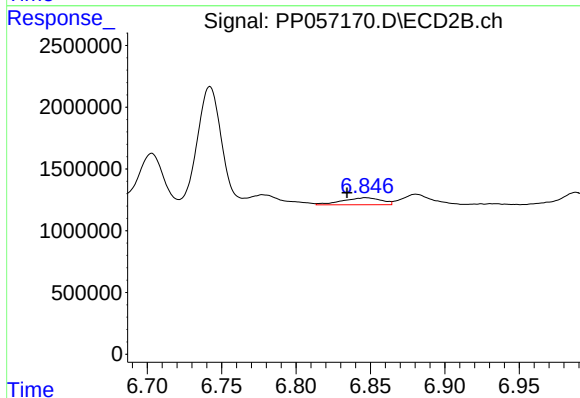
R.T.: 7.284 min
Delta R.T.: 0.003 min
Response: 1251110
Conc: 6.93 ng/ml



#36 AR-1262-1

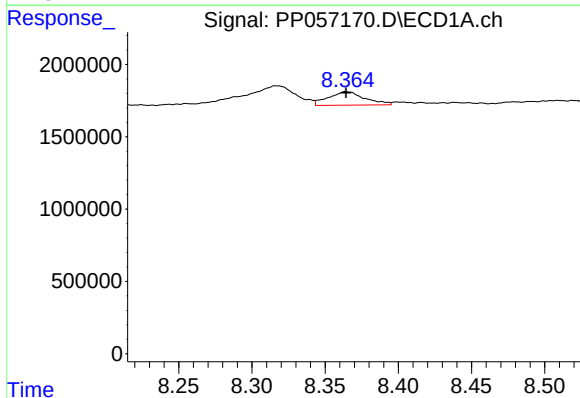
R.T.: 7.813 min
Delta R.T.: -0.001 min
Response: 547454
Conc: 5.42 ng/ml

Instrument :
ECD_P
ClientSampleId :



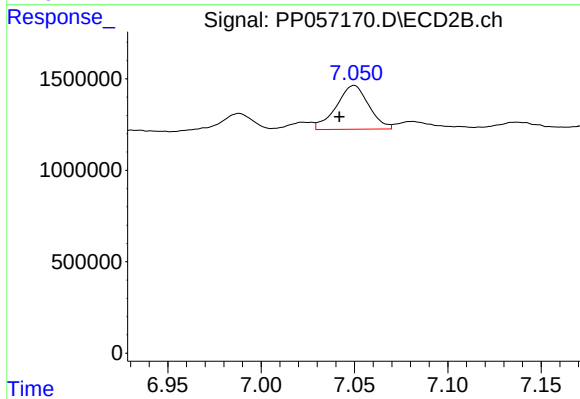
#36 AR-1262-1

R.T.: 6.847 min
Delta R.T.: 0.013 min
Response: 1022573
Conc: 17.91 ng/ml



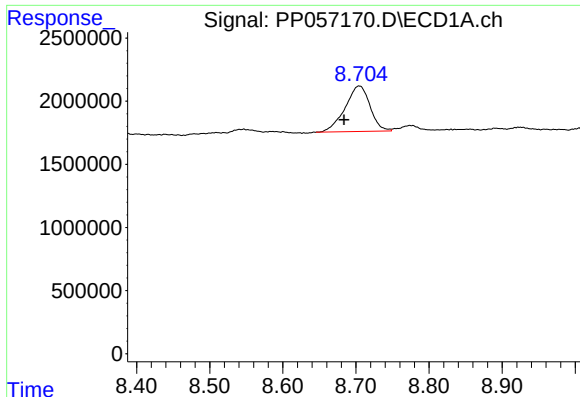
#37 AR-1262-2

R.T.: 8.364 min
Delta R.T.: 0.000 min
Response: 1627455
Conc: 11.13 ng/ml



#37 AR-1262-2

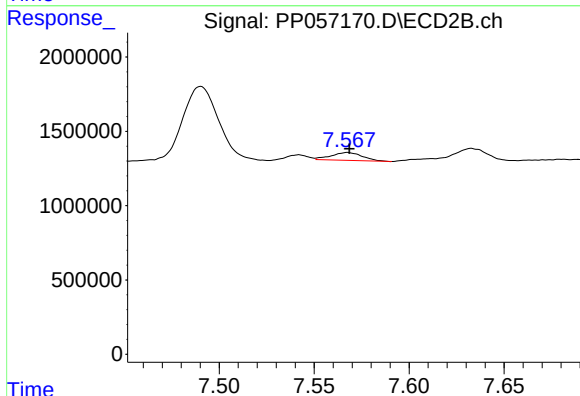
R.T.: 7.050 min
Delta R.T.: 0.008 min
Response: 2898100
Conc: 24.94 ng/ml



#38 AR-1262-3

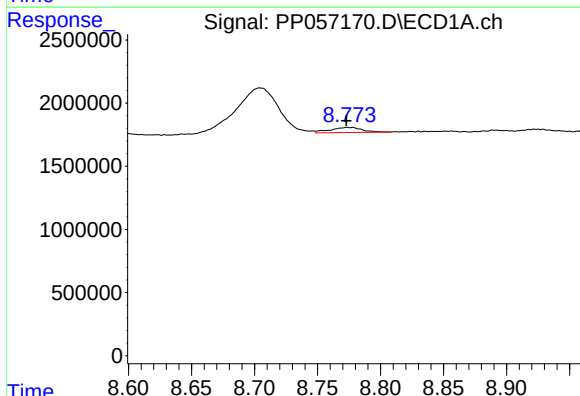
R.T.: 8.705 min
Delta R.T.: 0.021 min
Response: 8539769
Conc: 79.61 ng/ml

Instrument :
ECD_P
ClientSampleId :



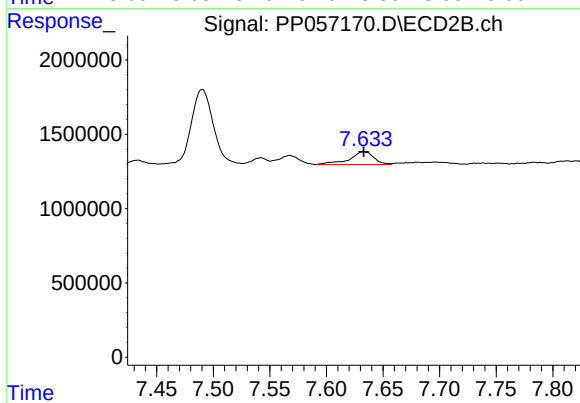
#38 AR-1262-3

R.T.: 7.568 min
Delta R.T.: 0.000 min
Response: 602962
Conc: 6.65 ng/ml



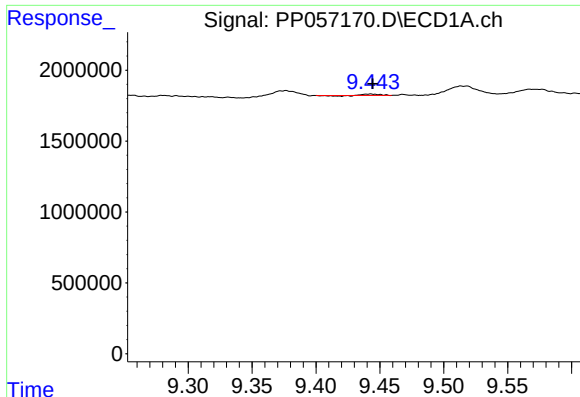
#39 AR-1262-4

R.T.: 8.774 min
Delta R.T.: 0.000 min
Response: 698083
Conc: 8.35 ng/ml



#39 AR-1262-4

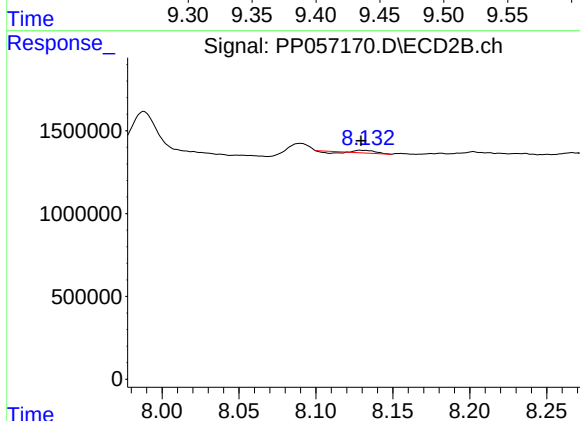
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 1282327
Conc: 8.16 ng/ml



#40 AR-1262-5

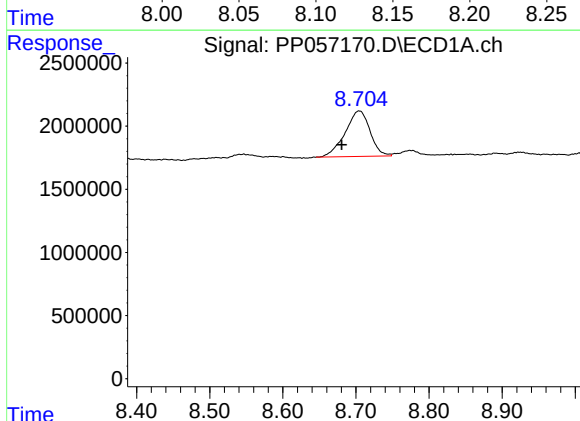
R.T.: 9.443 min
Delta R.T.: -0.002 min
Response: 60409
Conc: 1.26 ng/ml

Instrument :
ECD_P
ClientSampleId :



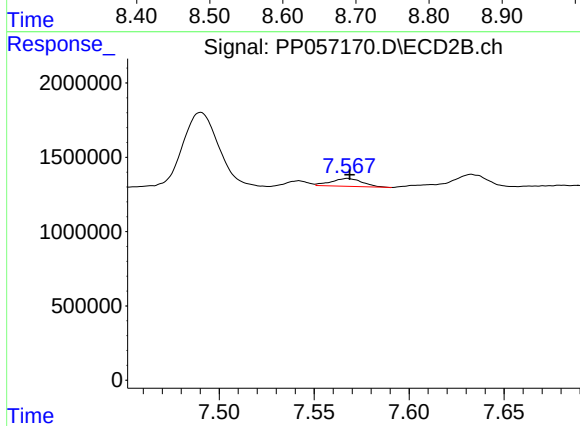
#40 AR-1262-5

R.T.: 8.129 min
Delta R.T.: 0.000 min
Response: 66038
Conc: 0.97 ng/ml



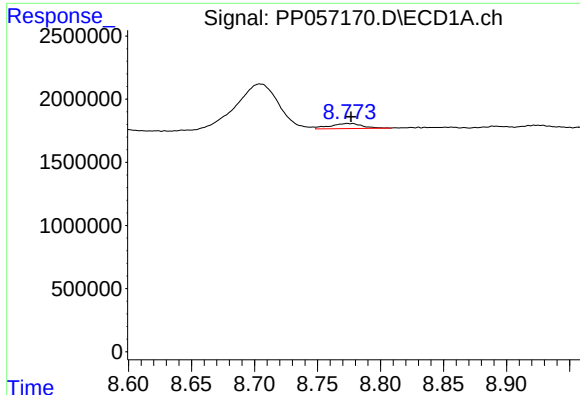
#41 AR-1268-1

R.T.: 8.705 min
Delta R.T.: 0.024 min
Response: 8539769
Conc: 40.49 ng/ml



#41 AR-1268-1

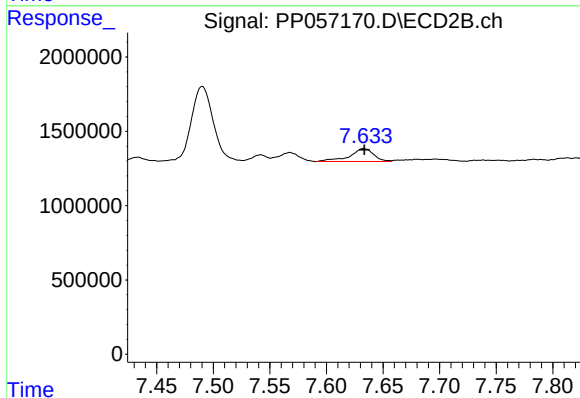
R.T.: 7.568 min
Delta R.T.: -0.001 min
Response: 602962
Conc: 2.17 ng/ml



#42 AR-1268-2

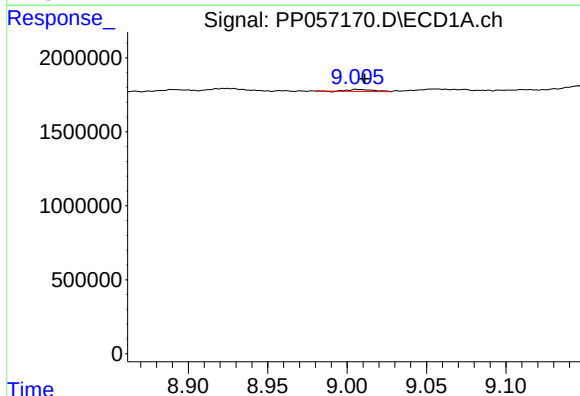
R.T.: 8.774 min
Delta R.T.: -0.003 min
Response: 698083
Conc: 3.90 ng/ml

Instrument :
ECD_P
ClientSampleId :



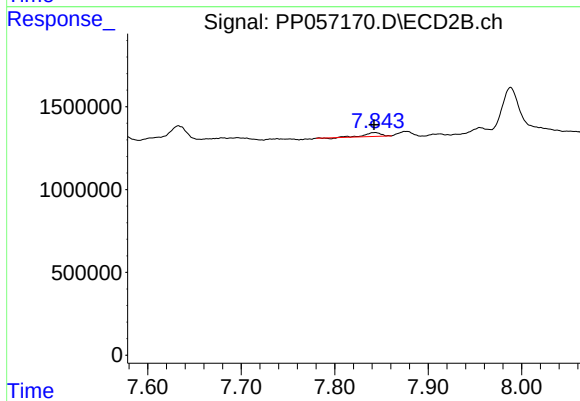
#42 AR-1268-2

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 1282327
Conc: 5.14 ng/ml



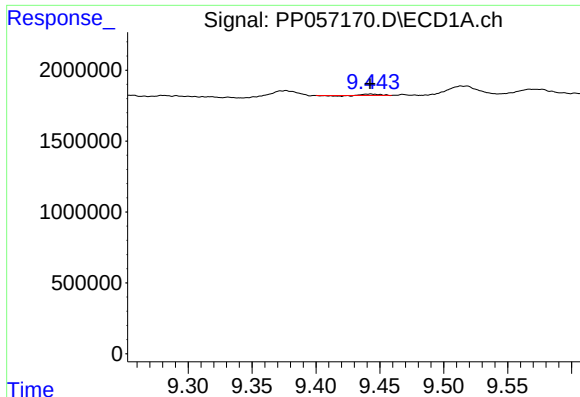
#43 AR-1268-3

R.T.: 9.006 min
Delta R.T.: -0.005 min
Response: 139321
Conc: 0.79 ng/ml



#43 AR-1268-3

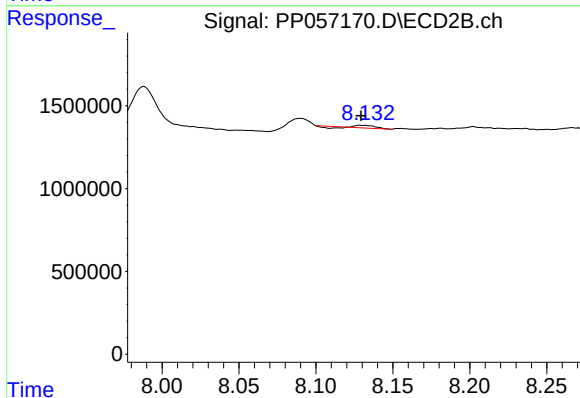
R.T.: 7.843 min
Delta R.T.: 0.000 min
Response: 256877
Conc: 1.16 ng/ml



#44 AR-1268-4

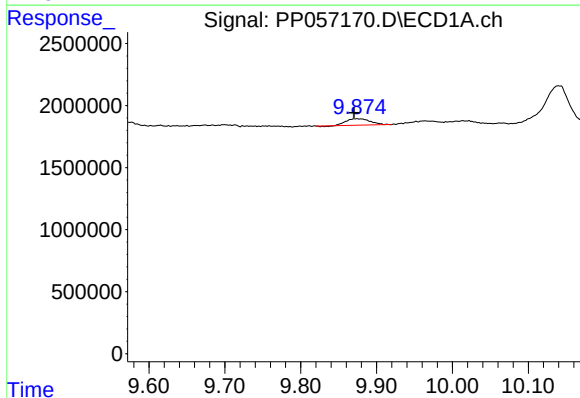
R.T.: 9.443 min
Delta R.T.: 0.000 min
Response: 60409
Conc: 1.07 ng/ml

Instrument :
ECD_P
ClientSampleId :



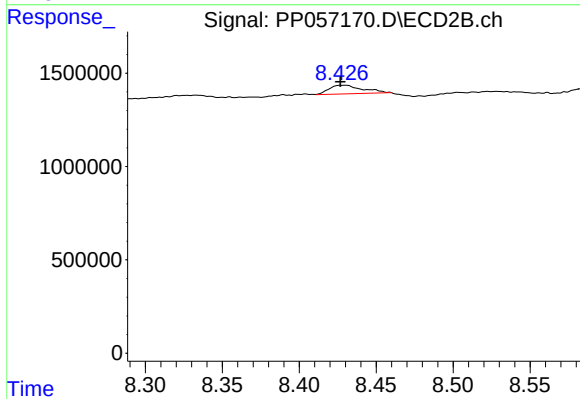
#44 AR-1268-4

R.T.: 8.129 min
Delta R.T.: 0.000 min
Response: 66038
Conc: 0.83 ng/ml



#45 AR-1268-5

R.T.: 9.874 min
Delta R.T.: 0.003 min
Response: 1129710
Conc: 2.38 ng/ml



#45 AR-1268-5

R.T.: 8.429 min
Delta R.T.: 0.003 min
Response: 703135
Conc: 1.19 ng/ml