

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
 Data File : PP070572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Mar 2025 06:11
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 15 07:22:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Mar 12 02:42:43 2025
 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...	4.523	3.826	31459905	21126630	20.226	21.079
2)	SA Decachlor...	10.243	8.871	22297781	20019177	20.989	20.462
Target Compounds							
3)	L1 AR-1016-1	5.609f	4.915	3394501	138858	65.466	3.862 #
4)	L1 AR-1016-2	0.000	4.915	0	138858	N.D.	2.672 #
5)	L1 AR-1016-3	0.000	5.111	0	502996	N.D.	17.678 #
6)	L1 AR-1016-4	0.000	5.186	0	1667414	N.D.	74.472 #
7)	L1 AR-1016-5	0.000	5.371	0	776389	N.D.	26.124 #
8)	L2 AR-1221-1	0.000	3.984f	0	124966	N.D.	8.397 #
9)	L2 AR-1221-2	4.826	4.128	422651	419792	28.932	36.730 #
10)	L2 AR-1221-3	4.928f	4.249f	309459	61149	6.975	1.830 #
11)	L3 AR-1232-1	4.928f	4.249f	309459	61149	8.703	2.324 #
12)	L3 AR-1232-2	0.000	4.915	0	138858	N.D.	5.380 #
13)	L3 AR-1232-3	0.000	5.111	0	502996	N.D.	35.905 #
14)	L3 AR-1232-4	0.000	5.203	0	389501	N.D.	33.256 #
15)	L3 AR-1232-5	0.000	5.371	0	776389	N.D.	59.412 #
16)	L4 AR-1242-1	5.609f	4.915	3394501	138858	76.369	4.536 #
17)	L4 AR-1242-2	0.000	4.915	0	138858	N.D.	3.185 #
18)	L4 AR-1242-3	0.000	5.111	0	502996	N.D.	21.106 #
19)	L4 AR-1242-4	0.000	5.203	0	389501	N.D.	17.670 #
20)	L4 AR-1242-5	6.582	5.740	1183878	9492872	38.131	339.989 #
21)	L5 AR-1248-1	5.609f	4.915	3394501	138858	99.382	5.915 #
22)	L5 AR-1248-2	0.000	5.121	0	399721	N.D.	12.769 #
23)	L5 AR-1248-3	0.000	5.203	0	389501	N.D.	12.279 #
24)	L5 AR-1248-4	6.565	5.371	1569975	776389	27.073	19.921 #
25)	L5 AR-1248-5	6.582	5.775	1183878	901944	22.051	23.681
26)	L6 AR-1254-1	6.529	5.740	3450489	9492872	60.260	168.544 #
27)	L6 AR-1254-2	0.000	5.866	0	6999130	N.D.	143.113 #
28)	L6 AR-1254-3	7.095	6.283	2615199	2127541	31.070	28.210
29)	L6 AR-1254-4	7.367	6.499	3513733	1138037	50.098	21.573 #
30)	L6 AR-1254-5	0.000	6.928	0	220198	N.D.	3.189 #
31)	L7 AR-1260-1	7.208f	6.447f	2675912	2812027	45.557	56.484
32)	L7 AR-1260-2	7.527	6.613	3790650	585142	46.203	8.854 #
33)	L7 AR-1260-3	7.942f	6.750	502984	225885	7.649	3.949 #
34)	L7 AR-1260-4	0.000	7.204	0	1203871	N.D.	23.530 #
35)	L7 AR-1260-5	0.000	7.462	0	681861	N.D.	5.295 #
36)	L8 AR-1262-1	0.000	6.928	0	220198	N.D.	2.632 #
37)	L8 AR-1262-2	0.000	7.204	0	1203871	N.D.	17.516 #
38)	L8 AR-1262-3	0.000	7.739	0	581084	N.D.	8.806 #
39)	L8 AR-1262-4	0.000	7.801	0	242107	N.D.	2.318 #
40)	L8 AR-1262-5	0.000	8.316	0	73683	N.D.	1.429 #
41)	L9 AR-1268-1	0.000	7.739	0	581084	N.D.	3.319 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 07:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
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	0.000	7.801	0	242107	N.D.	1.658 #
44) L9	AR-1268-4	0.000	8.316	0	73683	N.D.	1.340 #
45) L9	AR-1268-5	0.000	8.605	0	148009	N.D.	0.402 #

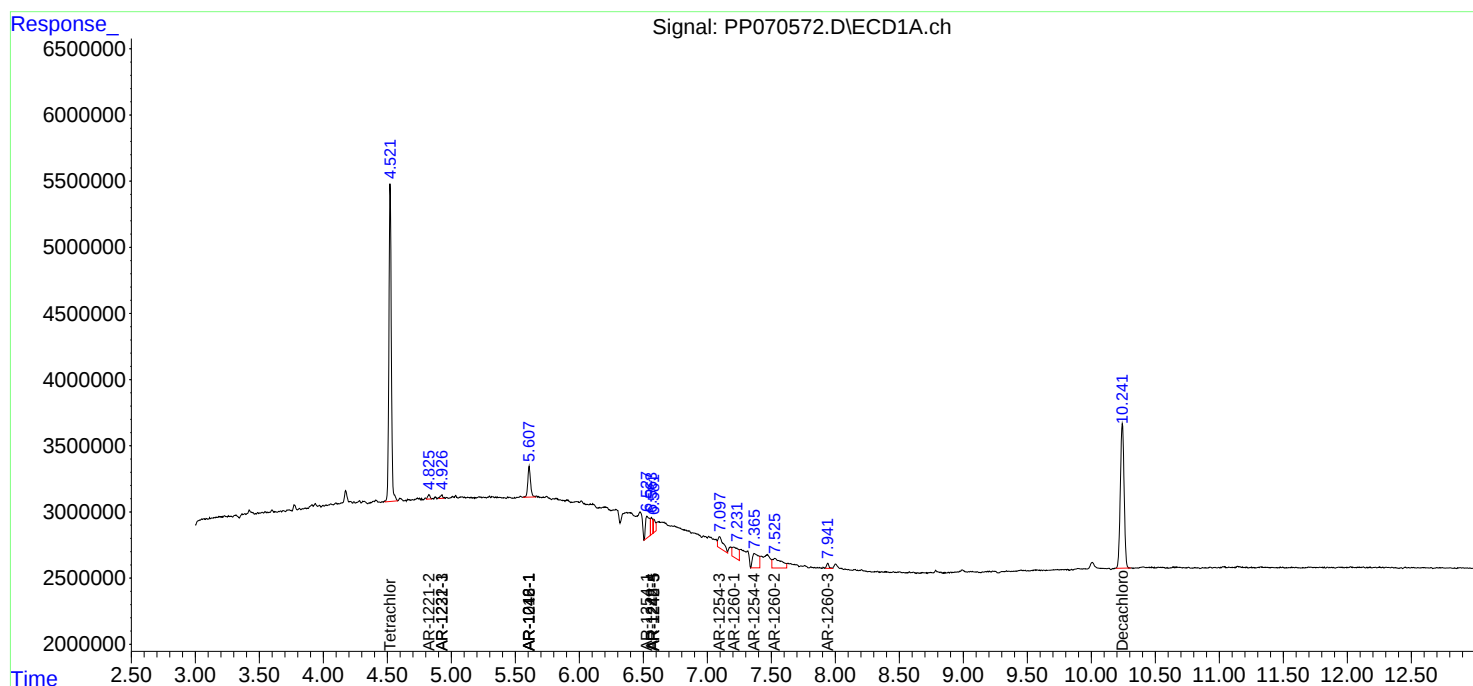
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

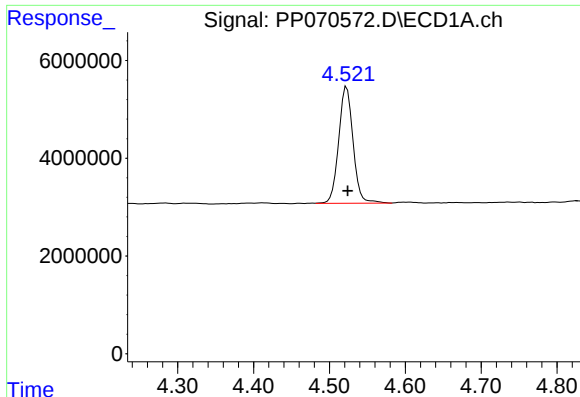
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 07:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
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

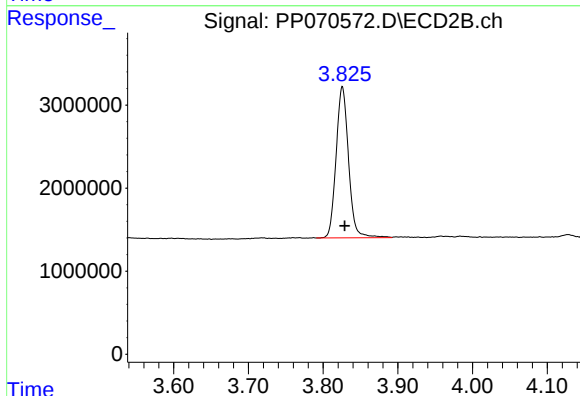




#1 Tetrachloro-m-xylene

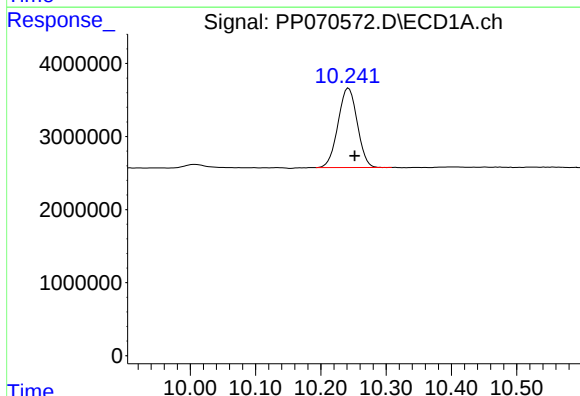
R.T.: 4.523 min
Delta R.T.: -0.001 min
Response: 31459905
Conc: 20.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



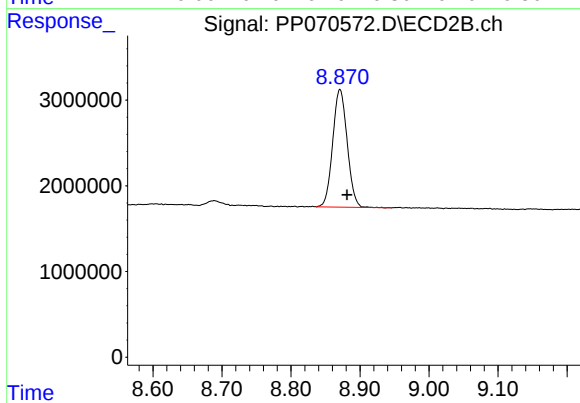
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 21126630
Conc: 21.08 ng/ml



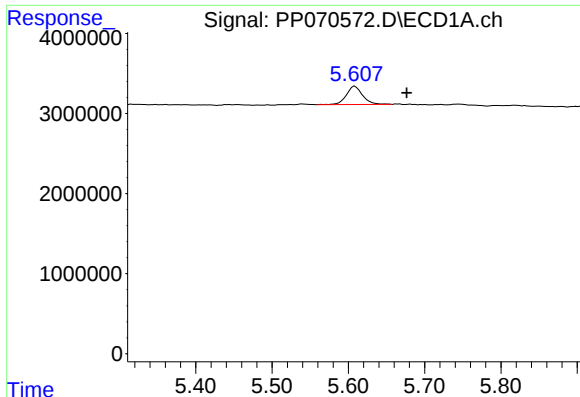
#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 22297781
Conc: 20.99 ng/ml



#2 Decachlorobiphenyl

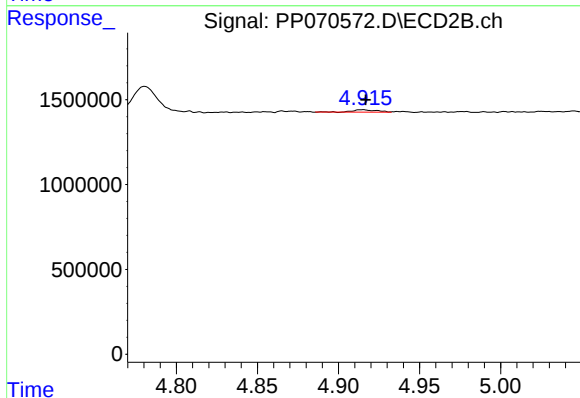
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 20019177
Conc: 20.46 ng/ml



#3 AR-1016-1

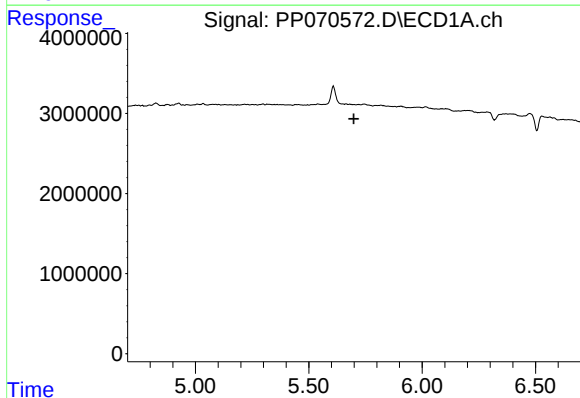
R.T.: 5.609 min
Delta R.T.: -0.068 min
Response: 3394501
Conc: 65.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



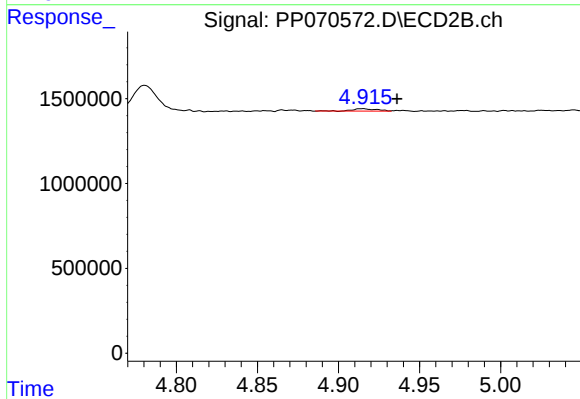
#3 AR-1016-1

R.T.: 4.915 min
Delta R.T.: -0.002 min
Response: 138858
Conc: 3.86 ng/ml



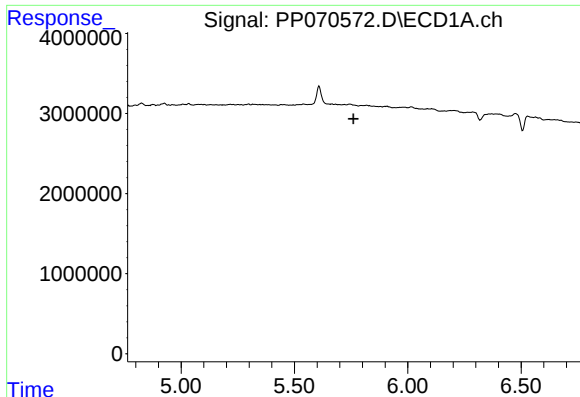
#4 AR-1016-2

R.T.: 0.000 min
Exp R.T. : 5.699 min
Response: 0
Conc: N.D.



#4 AR-1016-2

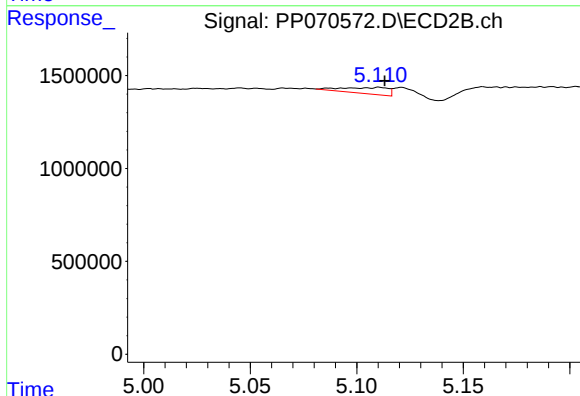
R.T.: 4.915 min
Delta R.T.: -0.021 min
Response: 138858
Conc: 2.67 ng/ml



#5 AR-1016-3

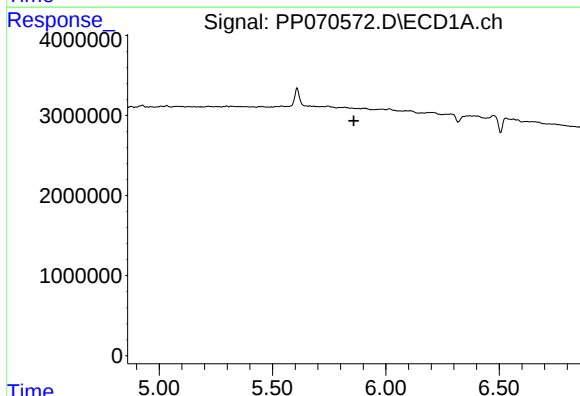
R.T.: 0.000 min
Exp R.T.: 5.761 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



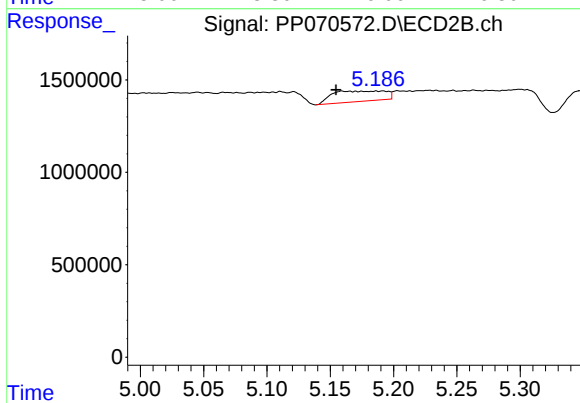
#5 AR-1016-3

R.T.: 5.111 min
Delta R.T.: -0.002 min
Response: 502996
Conc: 17.68 ng/ml



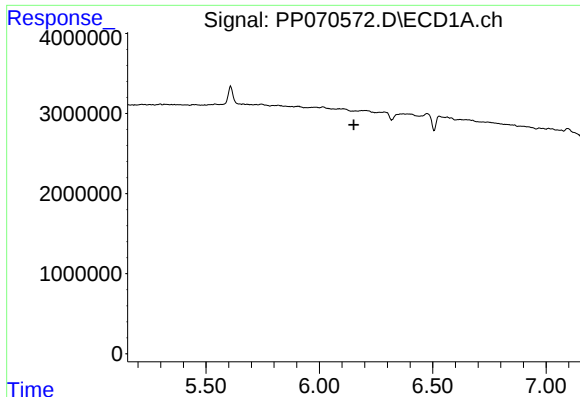
#6 AR-1016-4

R.T.: 0.000 min
Exp R.T.: 5.858 min
Response: 0
Conc: N.D.



#6 AR-1016-4

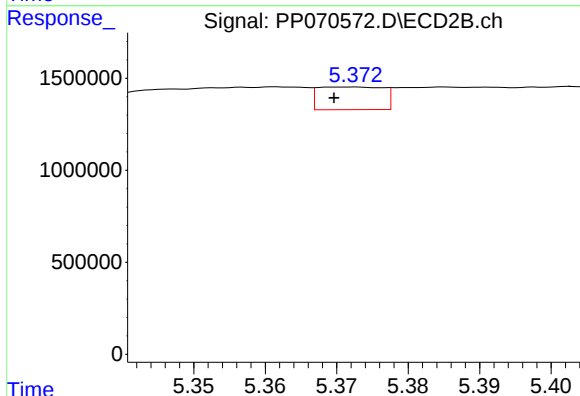
R.T.: 5.186 min
Delta R.T.: 0.032 min
Response: 1667414
Conc: 74.47 ng/ml



#7 AR-1016-5

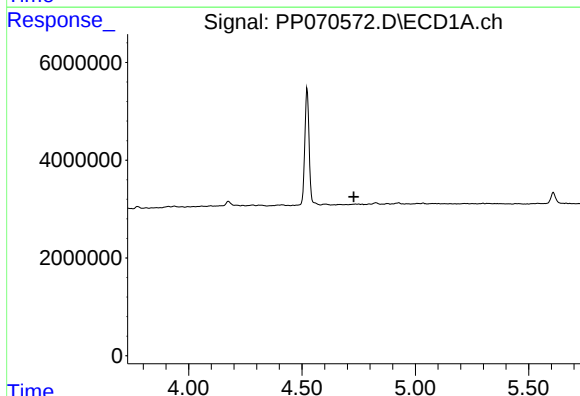
R.T.: 0.000 min
Exp R.T.: 6.151 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



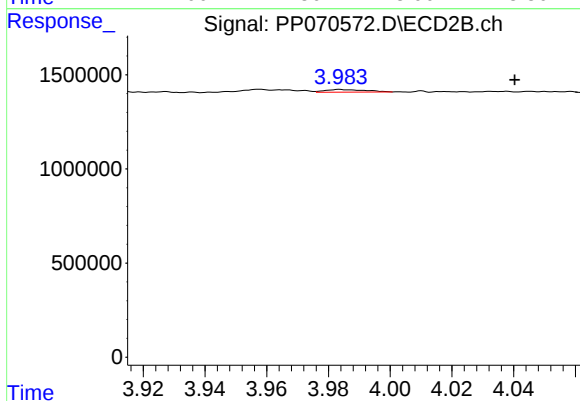
#7 AR-1016-5

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 776389
Conc: 26.12 ng/ml



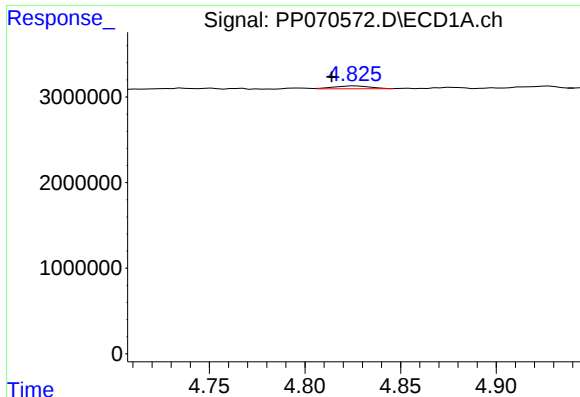
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T.: 4.728 min
Response: 0
Conc: N.D.



#8 AR-1221-1

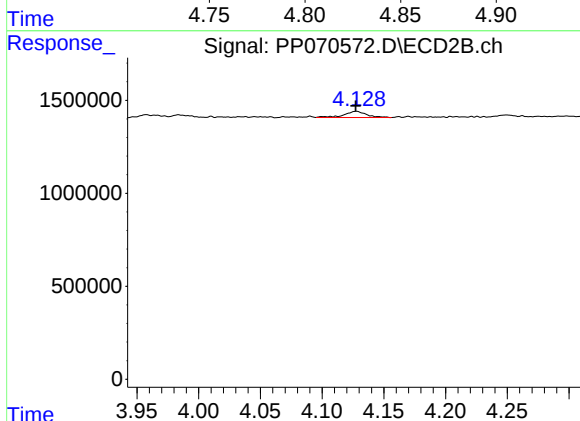
R.T.: 3.984 min
Delta R.T.: -0.057 min
Response: 124966
Conc: 8.40 ng/ml



#9 AR-1221-2

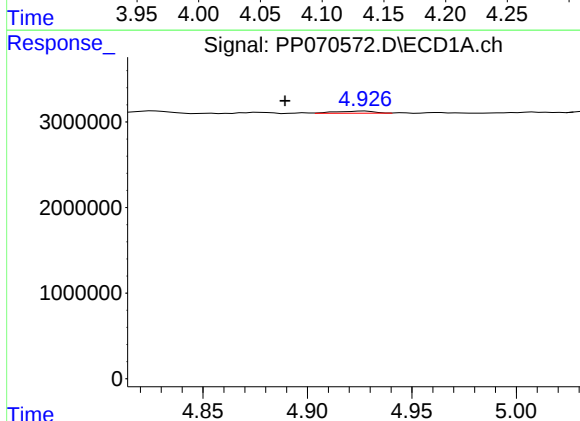
R.T.: 4.826 min
Delta R.T.: 0.012 min
Response: 422651
Conc: 28.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



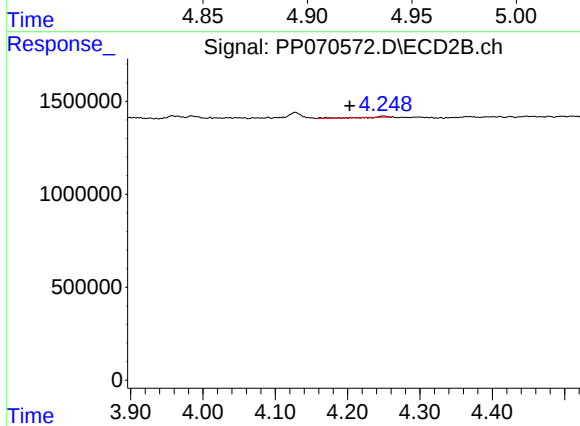
#9 AR-1221-2

R.T.: 4.128 min
Delta R.T.: 0.000 min
Response: 419792
Conc: 36.73 ng/ml



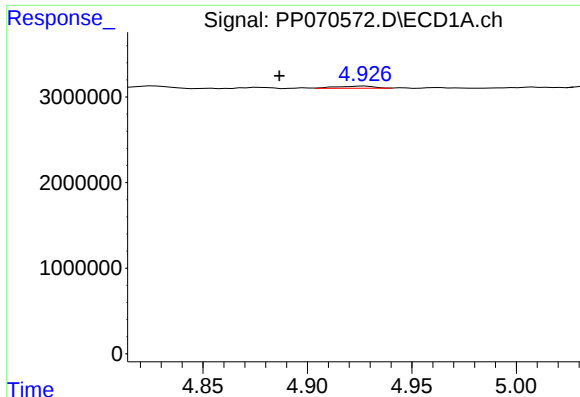
#10 AR-1221-3

R.T.: 4.928 min
Delta R.T.: 0.038 min
Response: 309459
Conc: 6.98 ng/ml



#10 AR-1221-3

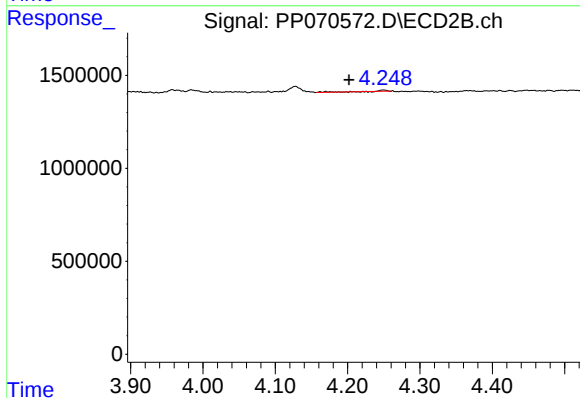
R.T.: 4.249 min
Delta R.T.: 0.046 min
Response: 61149
Conc: 1.83 ng/ml



#11 AR-1232-1

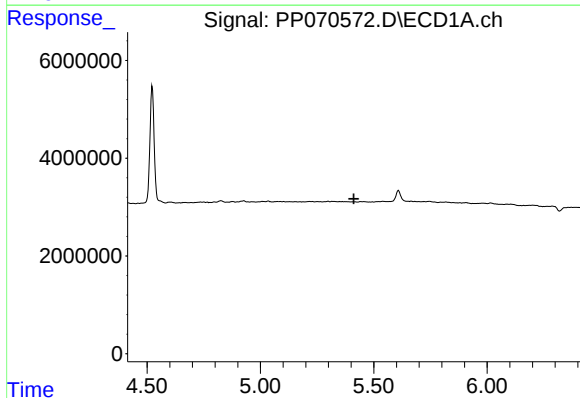
R.T.: 4.928 min
Delta R.T.: 0.041 min
Response: 309459
Conc: 8.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



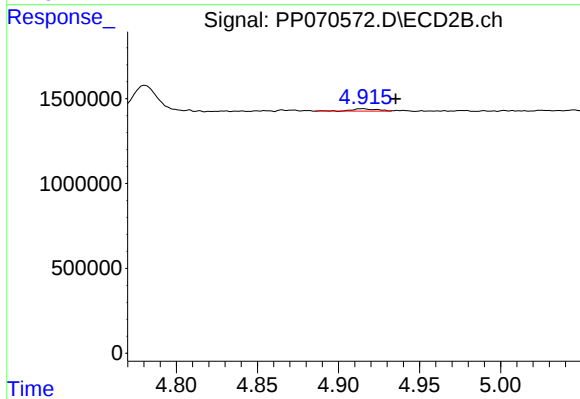
#11 AR-1232-1

R.T.: 4.249 min
Delta R.T.: 0.047 min
Response: 61149
Conc: 2.32 ng/ml



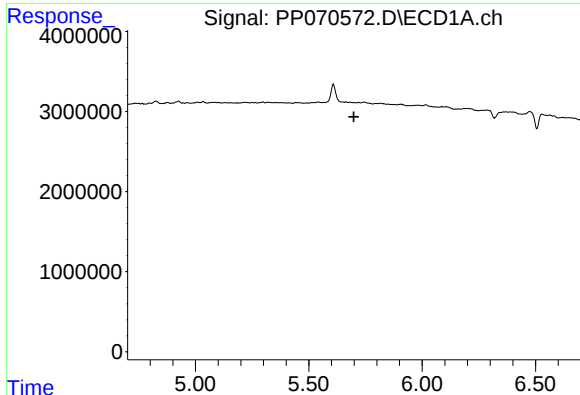
#12 AR-1232-2

R.T.: 0.000 min
Exp R.T. : 5.412 min
Response: 0
Conc: N.D.



#12 AR-1232-2

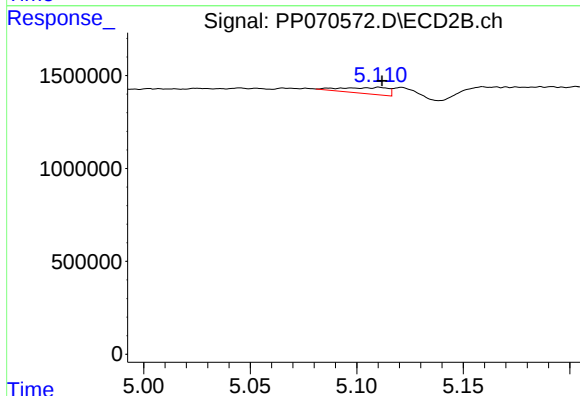
R.T.: 4.915 min
Delta R.T.: -0.021 min
Response: 138858
Conc: 5.38 ng/ml



#13 AR-1232-3

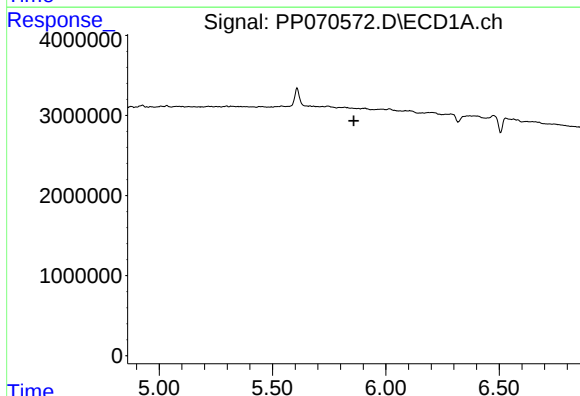
R.T.: 0.000 min
Exp R.T.: 5.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



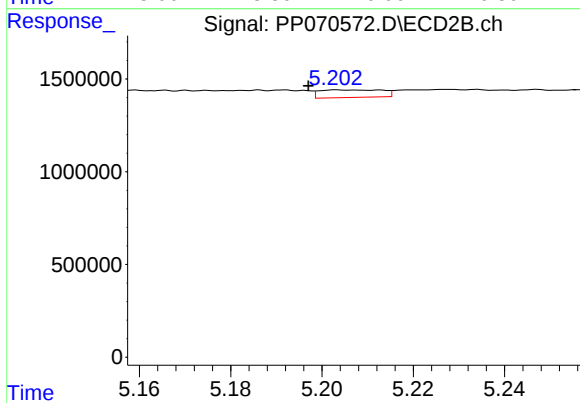
#13 AR-1232-3

R.T.: 5.111 min
Delta R.T.: -0.001 min
Response: 502996
Conc: 35.91 ng/ml



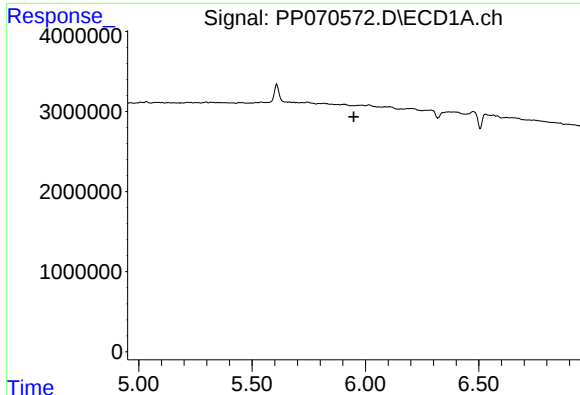
#14 AR-1232-4

R.T.: 0.000 min
Exp R.T.: 5.859 min
Response: 0
Conc: N.D.



#14 AR-1232-4

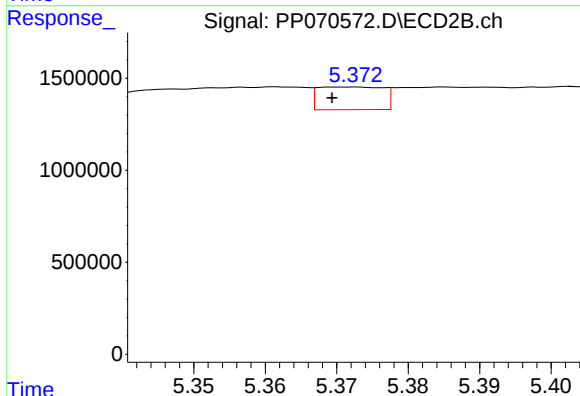
R.T.: 5.203 min
Delta R.T.: 0.006 min
Response: 389501
Conc: 33.26 ng/ml



#15 AR-1232-5

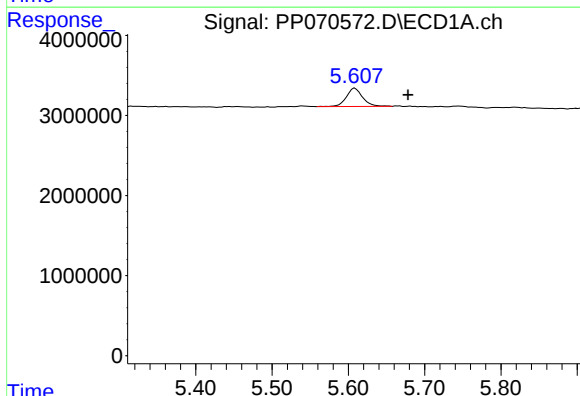
R.T.: 0.000 min
Exp R.T.: 5.949 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



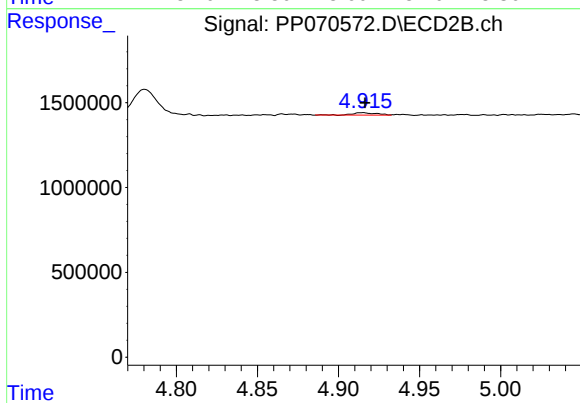
#15 AR-1232-5

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 776389
Conc: 59.41 ng/ml



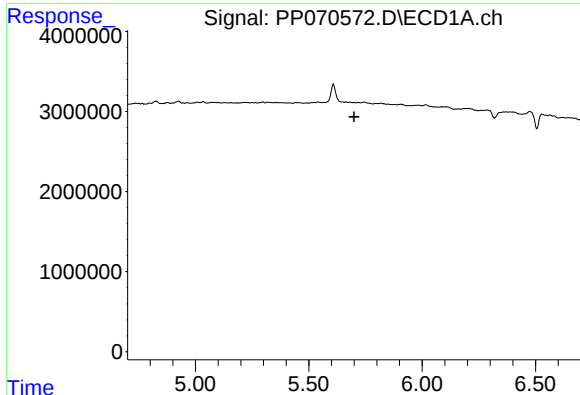
#16 AR-1242-1

R.T.: 5.609 min
Delta R.T.: -0.070 min
Response: 3394501
Conc: 76.37 ng/ml



#16 AR-1242-1

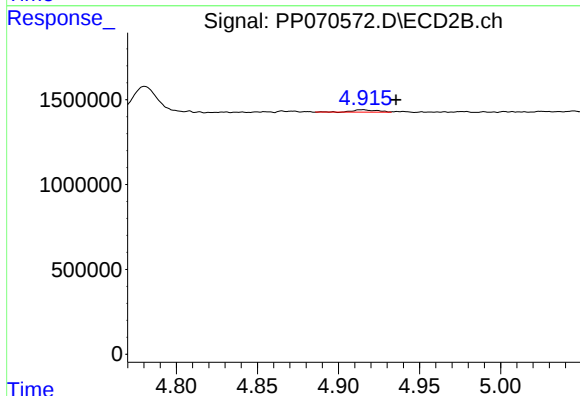
R.T.: 4.915 min
Delta R.T.: -0.002 min
Response: 138858
Conc: 4.54 ng/ml



#17 AR-1242-2

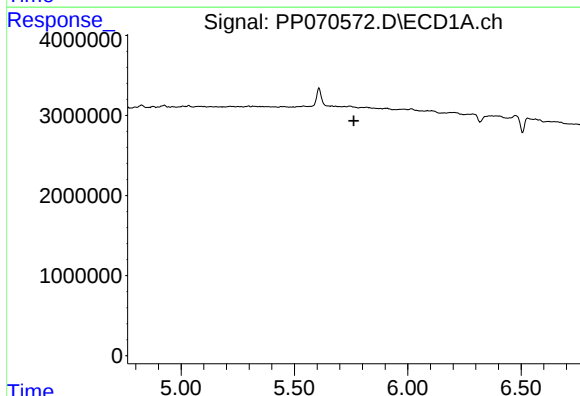
R.T.: 0.000 min
Exp R.T.: 5.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



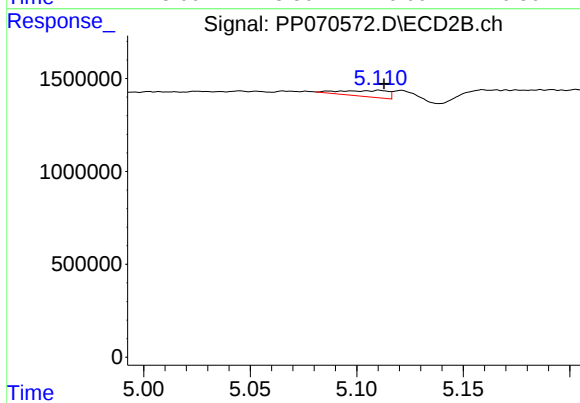
#17 AR-1242-2

R.T.: 4.915 min
Delta R.T.: -0.021 min
Response: 138858
Conc: 3.18 ng/ml



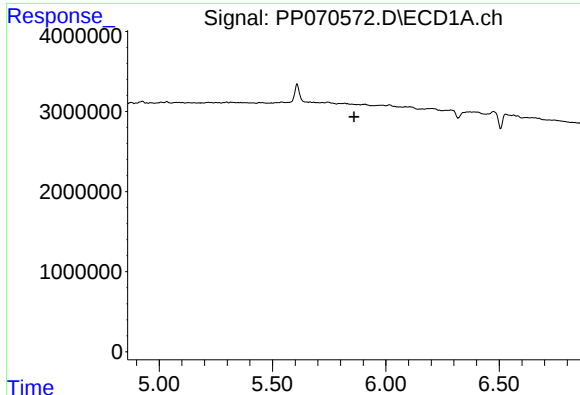
#18 AR-1242-3

R.T.: 0.000 min
Exp R.T.: 5.762 min
Response: 0
Conc: N.D.



#18 AR-1242-3

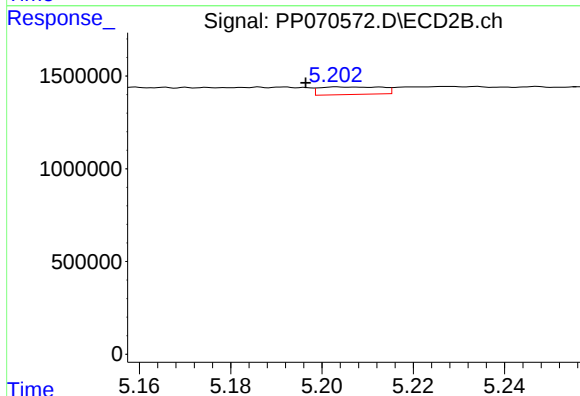
R.T.: 5.111 min
Delta R.T.: -0.002 min
Response: 502996
Conc: 21.11 ng/ml



#19 AR-1242-4

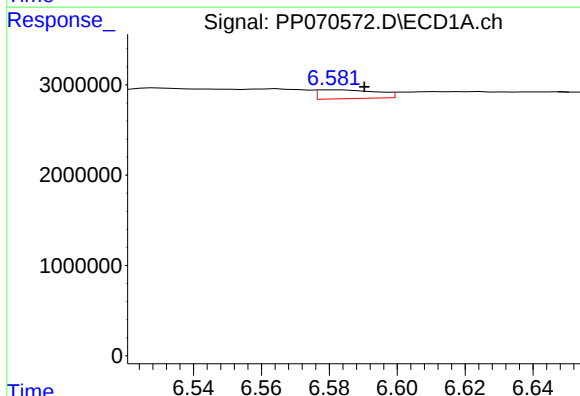
R.T.: 0.000 min
Exp R.T.: 5.859 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



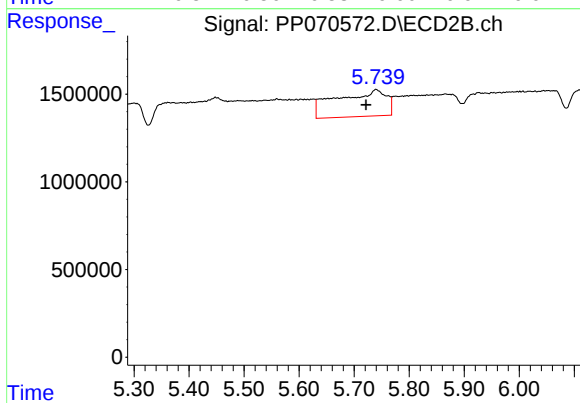
#19 AR-1242-4

R.T.: 5.203 min
Delta R.T.: 0.007 min
Response: 389501
Conc: 17.67 ng/ml



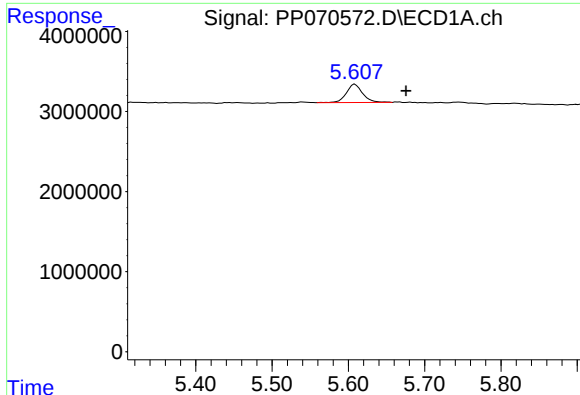
#20 AR-1242-5

R.T.: 6.582 min
Delta R.T.: -0.008 min
Response: 1183878
Conc: 38.13 ng/ml



#20 AR-1242-5

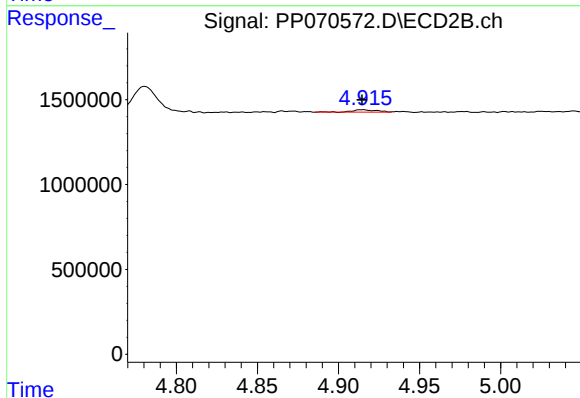
R.T.: 5.740 min
Delta R.T.: 0.018 min
Response: 9492872
Conc: 339.99 ng/ml



#21 AR-1248-1

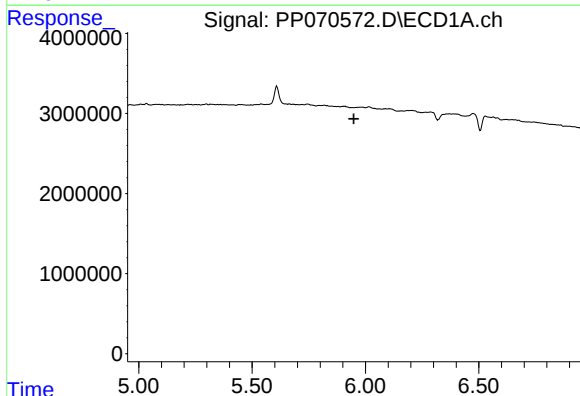
R.T.: 5.609 min
Delta R.T.: -0.067 min
Response: 3394501
Conc: 99.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



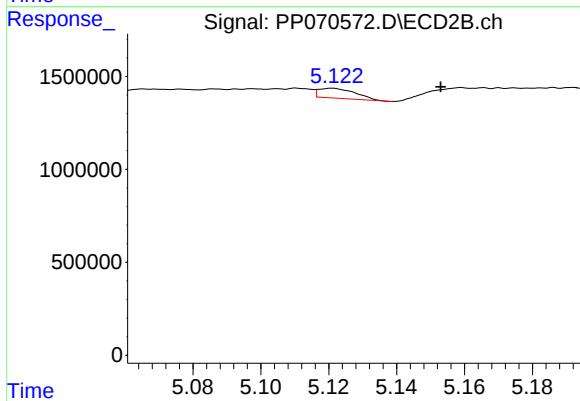
#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 138858
Conc: 5.92 ng/ml



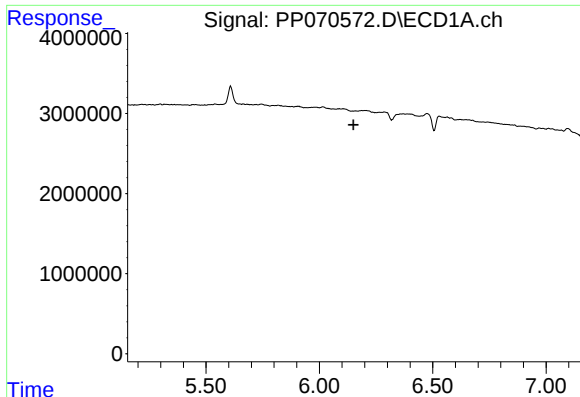
#22 AR-1248-2

R.T.: 0.000 min
Exp R.T. : 5.948 min
Response: 0
Conc: N.D.



#22 AR-1248-2

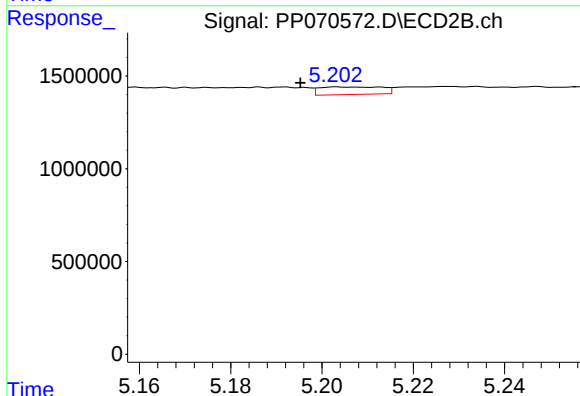
R.T.: 5.121 min
Delta R.T.: -0.032 min
Response: 399721
Conc: 12.77 ng/ml



#23 AR-1248-3

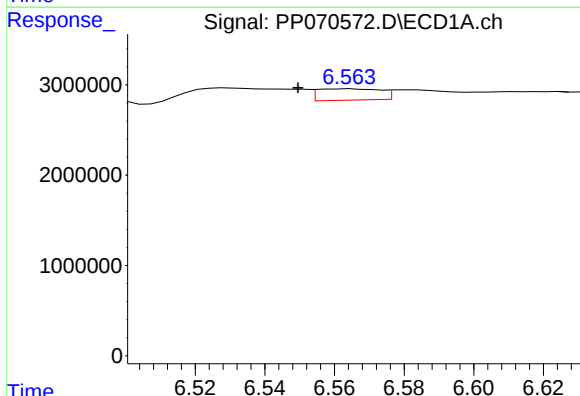
R.T.: 0.000 min
Exp R.T.: 6.151 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



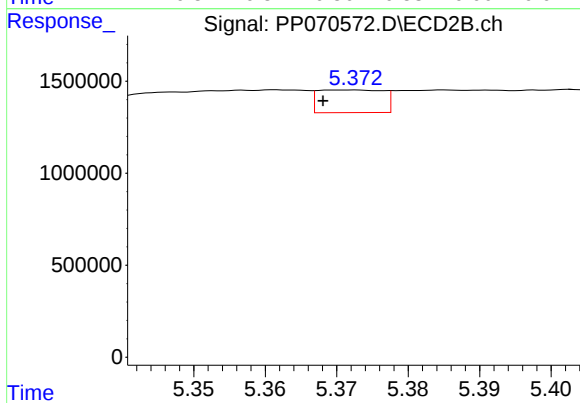
#23 AR-1248-3

R.T.: 5.203 min
Delta R.T.: 0.008 min
Response: 389501
Conc: 12.28 ng/ml



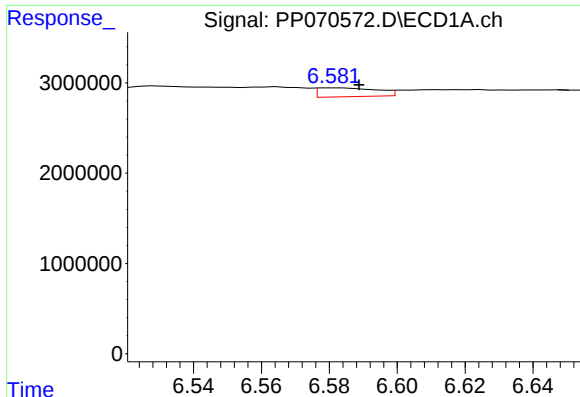
#24 AR-1248-4

R.T.: 6.565 min
Delta R.T.: 0.015 min
Response: 1569975
Conc: 27.07 ng/ml



#24 AR-1248-4

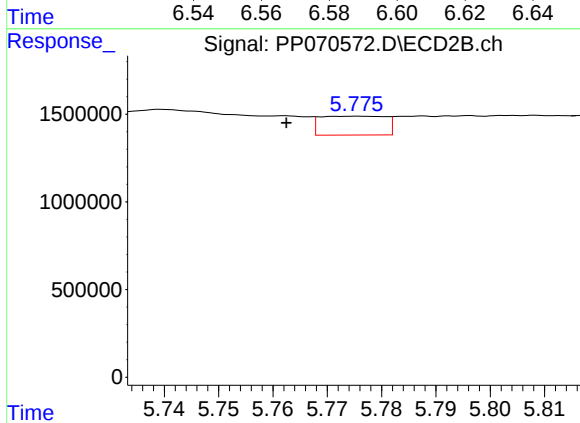
R.T.: 5.371 min
Delta R.T.: 0.003 min
Response: 776389
Conc: 19.92 ng/ml



#25 AR-1248-5

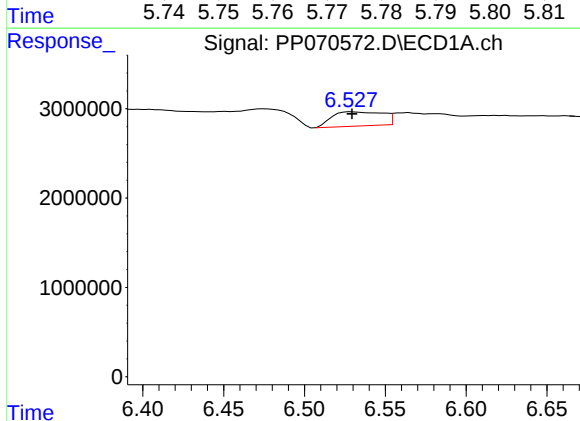
R.T.: 6.582 min
Delta R.T.: -0.007 min
Response: 1183878
Conc: 22.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



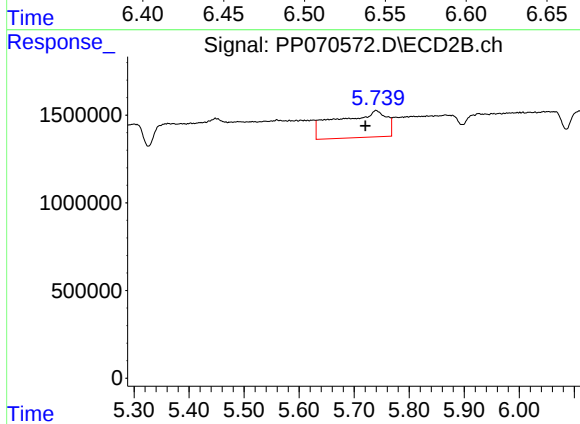
#25 AR-1248-5

R.T.: 5.775 min
Delta R.T.: 0.013 min
Response: 901944
Conc: 23.68 ng/ml



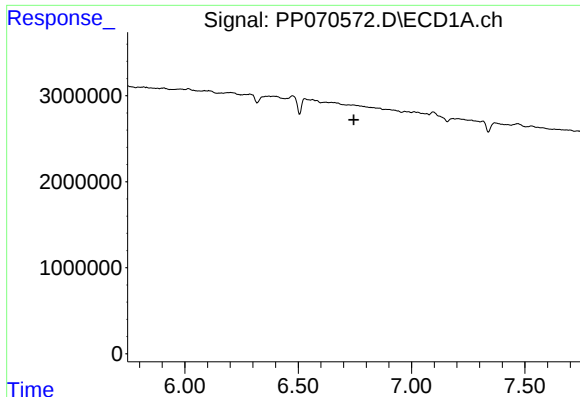
#26 AR-1254-1

R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 3450489
Conc: 60.26 ng/ml



#26 AR-1254-1

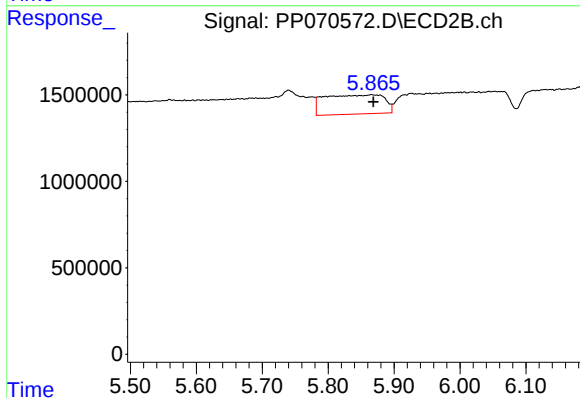
R.T.: 5.740 min
Delta R.T.: 0.019 min
Response: 9492872
Conc: 168.54 ng/ml



#27 AR-1254-2

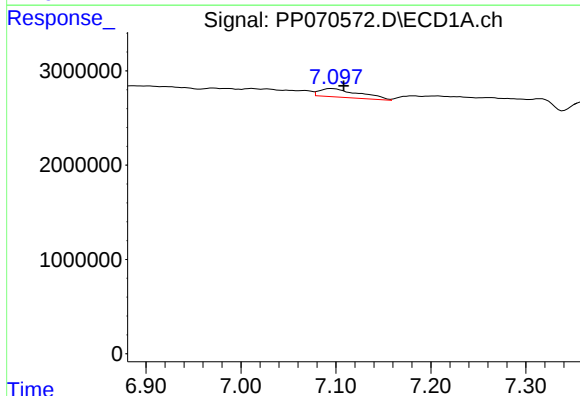
R.T.: 0.000 min
Exp R.T.: 6.745 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



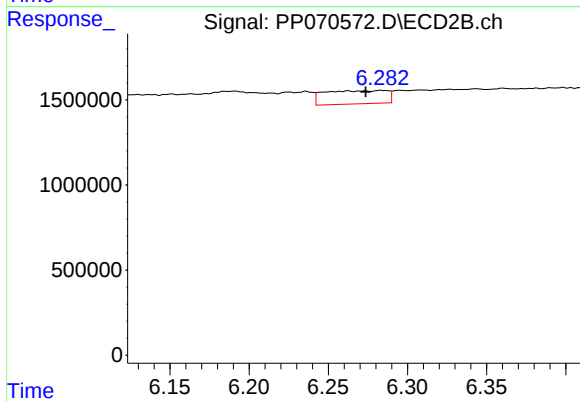
#27 AR-1254-2

R.T.: 5.866 min
Delta R.T.: -0.003 min
Response: 6999130
Conc: 143.11 ng/ml



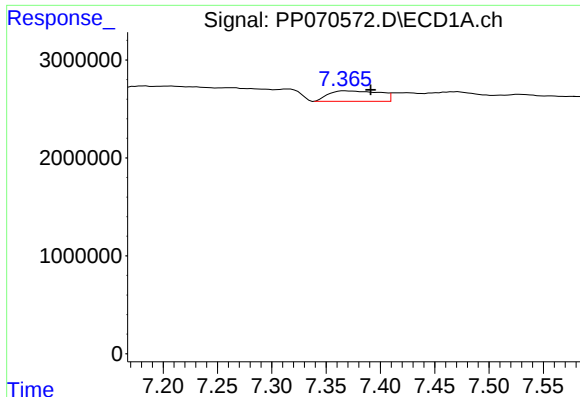
#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: -0.013 min
Response: 2615199
Conc: 31.07 ng/ml



#28 AR-1254-3

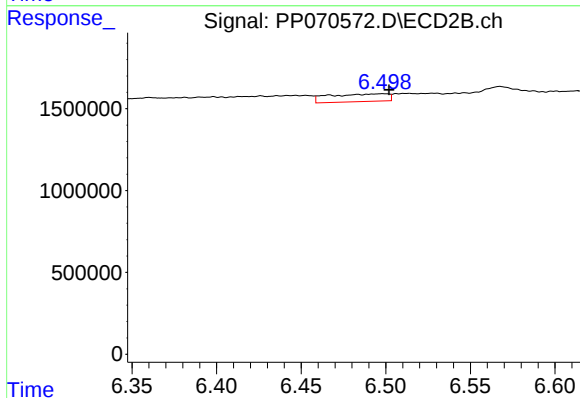
R.T.: 6.283 min
Delta R.T.: 0.010 min
Response: 2127541
Conc: 28.21 ng/ml



#29 AR-1254-4

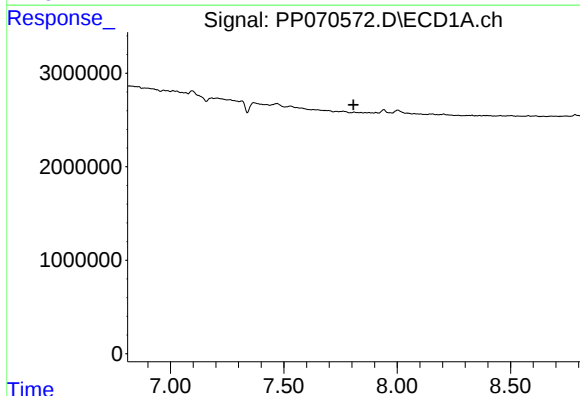
R.T.: 7.367 min
Delta R.T.: -0.024 min
Response: 3513733
Conc: 50.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



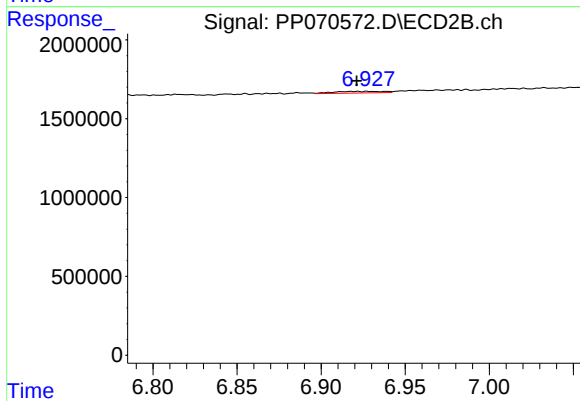
#29 AR-1254-4

R.T.: 6.499 min
Delta R.T.: -0.003 min
Response: 1138037
Conc: 21.57 ng/ml



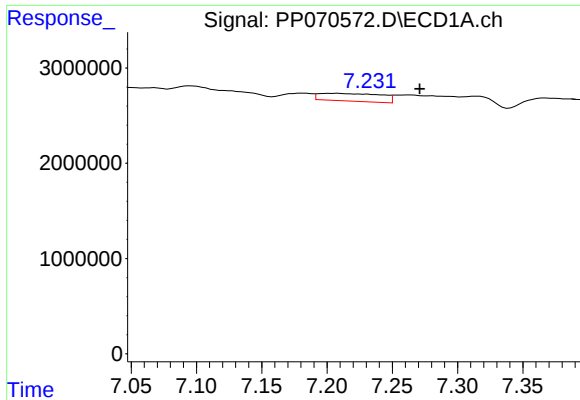
#30 AR-1254-5

R.T.: 0.000 min
Exp R.T. : 7.808 min
Response: 0
Conc: N.D.



#30 AR-1254-5

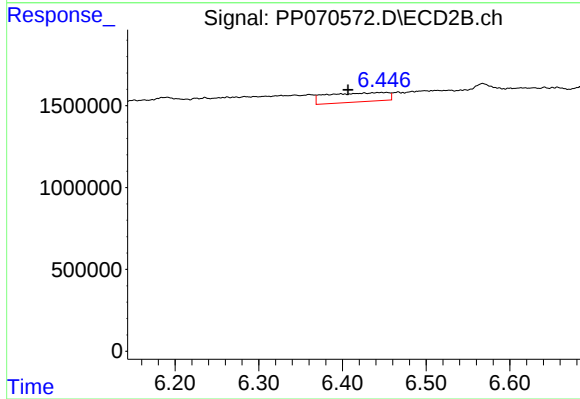
R.T.: 6.928 min
Delta R.T.: 0.006 min
Response: 220198
Conc: 3.19 ng/ml



#31 AR-1260-1

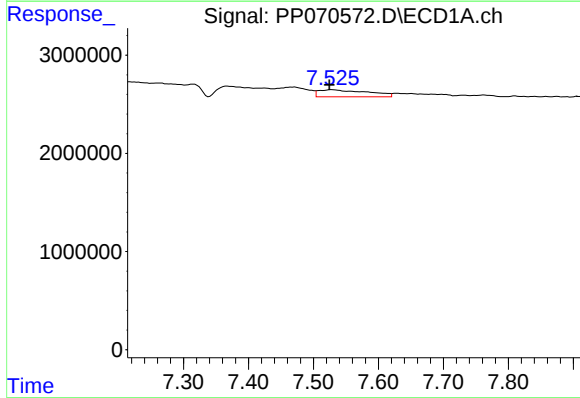
R.T.: 7.208 min
Delta R.T.: -0.063 min
Response: 2675912
Conc: 45.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



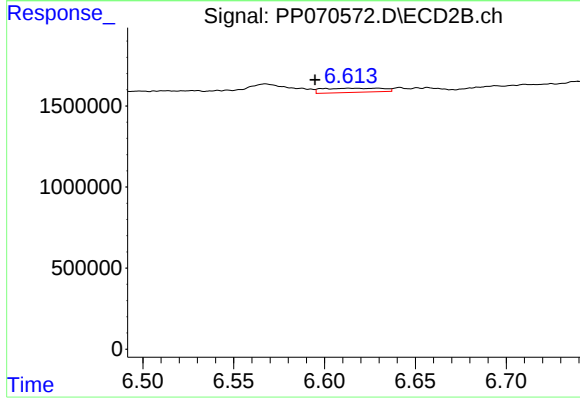
#31 AR-1260-1

R.T.: 6.447 min
Delta R.T.: 0.040 min
Response: 2812027
Conc: 56.48 ng/ml



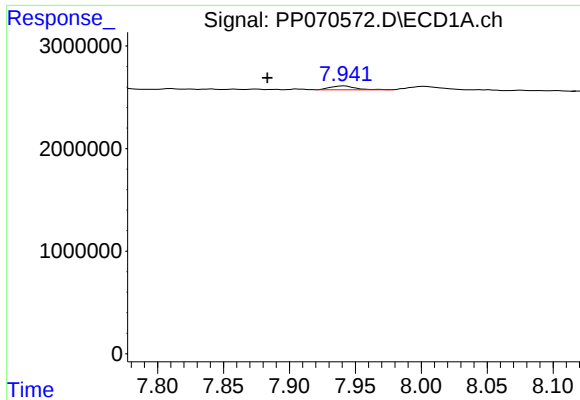
#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.003 min
Response: 3790650
Conc: 46.20 ng/ml



#32 AR-1260-2

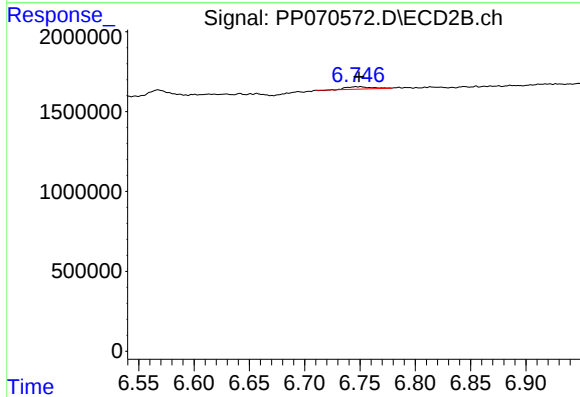
R.T.: 6.613 min
Delta R.T.: 0.019 min
Response: 585142
Conc: 8.85 ng/ml



#33 AR-1260-3

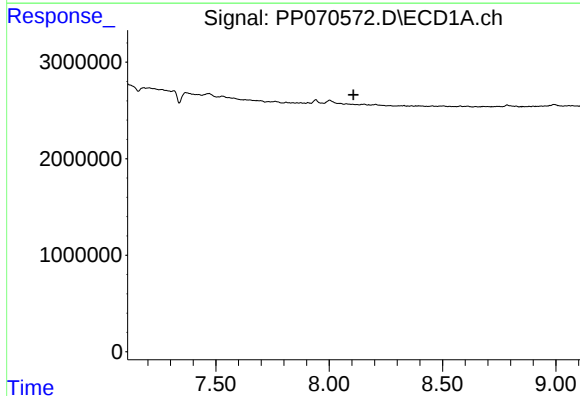
R.T.: 7.942 min
Delta R.T.: 0.059 min
Response: 502984
Conc: 7.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



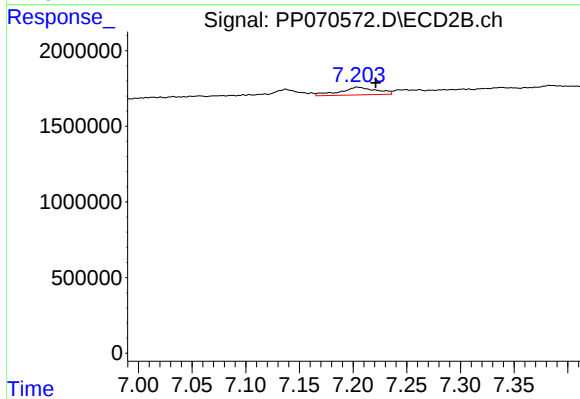
#33 AR-1260-3

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 225885
Conc: 3.95 ng/ml



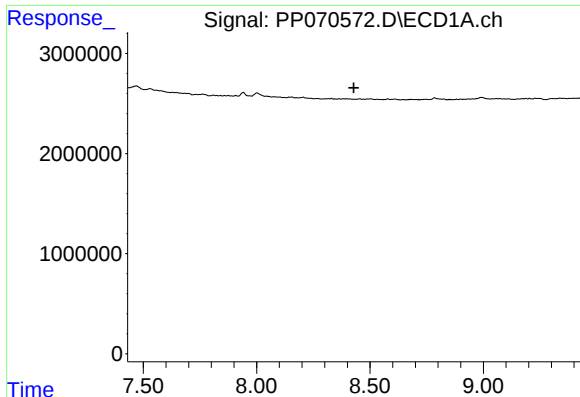
#34 AR-1260-4

R.T.: 0.000 min
Exp R.T. : 8.108 min
Response: 0
Conc: N.D.



#34 AR-1260-4

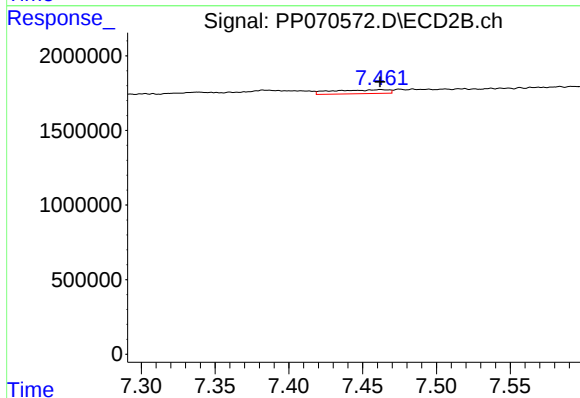
R.T.: 7.204 min
Delta R.T.: -0.017 min
Response: 1203871
Conc: 23.53 ng/ml



#35 AR-1260-5

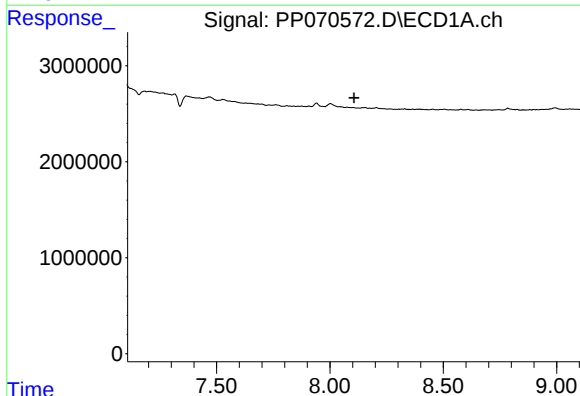
R.T.: 0.000 min
Exp R.T.: 8.428 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



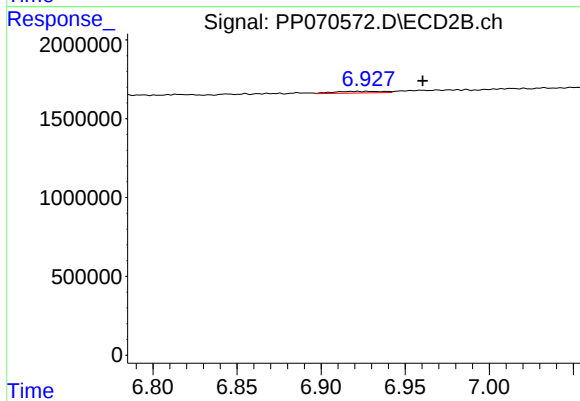
#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 681861
Conc: 5.29 ng/ml



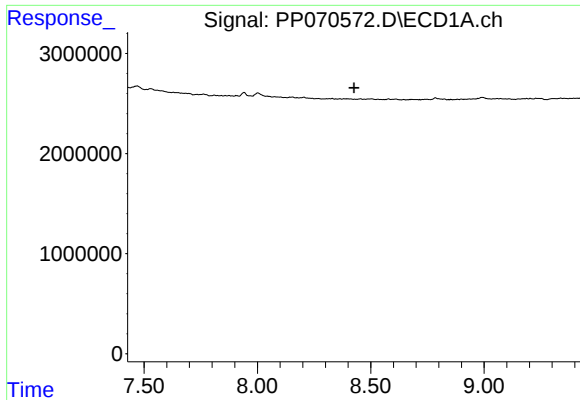
#36 AR-1262-1

R.T.: 0.000 min
Exp R.T.: 8.107 min
Response: 0
Conc: N.D.



#36 AR-1262-1

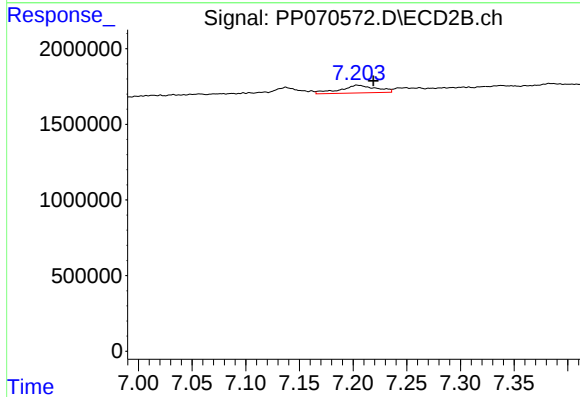
R.T.: 6.928 min
Delta R.T.: -0.033 min
Response: 220198
Conc: 2.63 ng/ml



#37 AR-1262-2

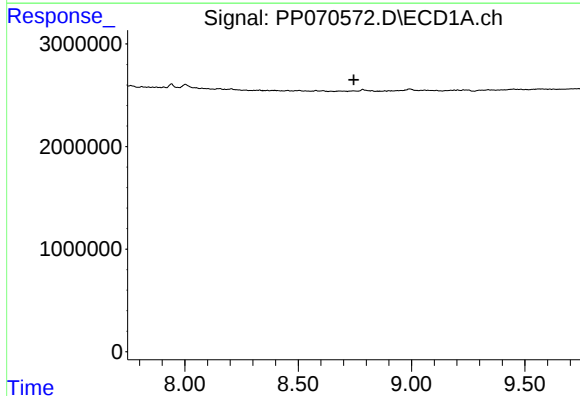
R.T.: 0.000 min
Exp R.T.: 8.427 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



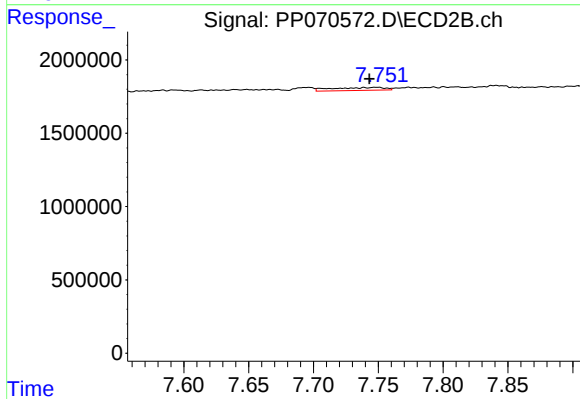
#37 AR-1262-2

R.T.: 7.204 min
Delta R.T.: -0.015 min
Response: 1203871
Conc: 17.52 ng/ml



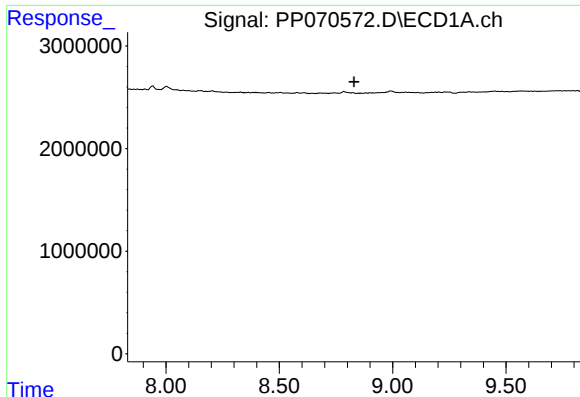
#38 AR-1262-3

R.T.: 0.000 min
Exp R.T.: 8.745 min
Response: 0
Conc: N.D.



#38 AR-1262-3

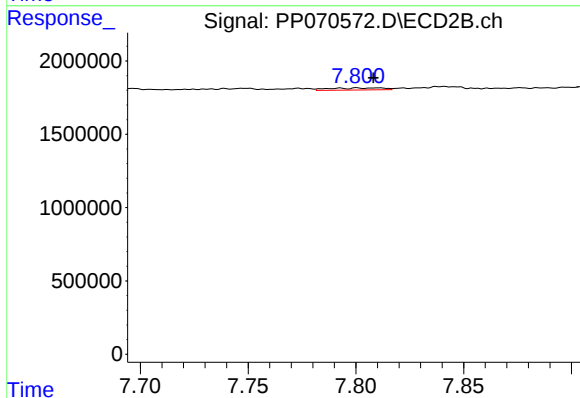
R.T.: 7.739 min
Delta R.T.: -0.004 min
Response: 581084
Conc: 8.81 ng/ml



#39 AR-1262-4

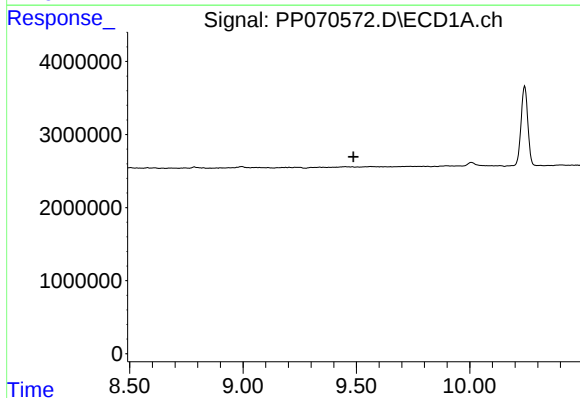
R.T.: 0.000 min
Exp R.T.: 8.830 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



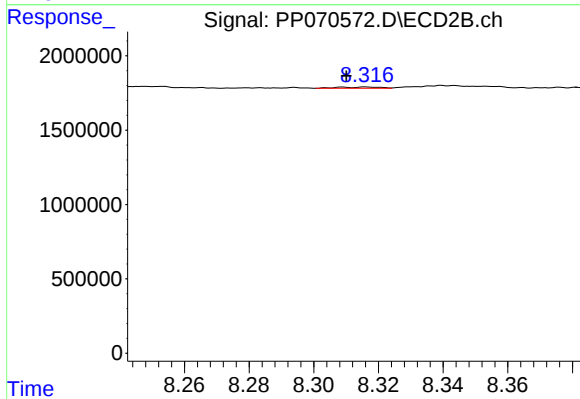
#39 AR-1262-4

R.T.: 7.801 min
Delta R.T.: -0.008 min
Response: 242107
Conc: 2.32 ng/ml



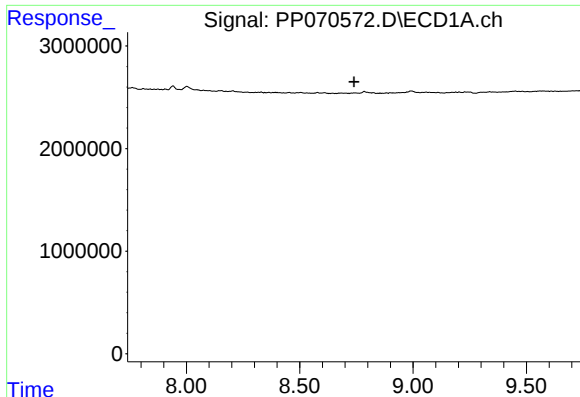
#40 AR-1262-5

R.T.: 0.000 min
Exp R.T.: 9.487 min
Response: 0
Conc: N.D.



#40 AR-1262-5

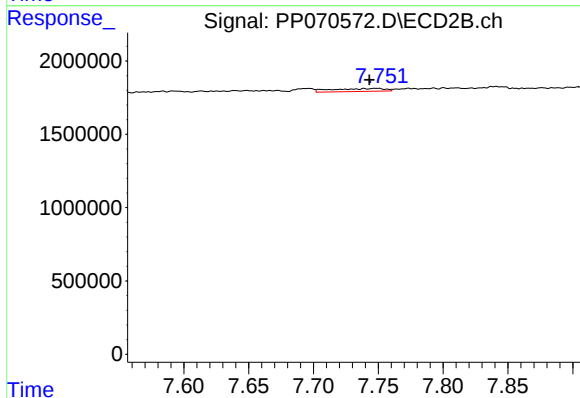
R.T.: 8.316 min
Delta R.T.: 0.006 min
Response: 73683
Conc: 1.43 ng/ml



#41 AR-1268-1

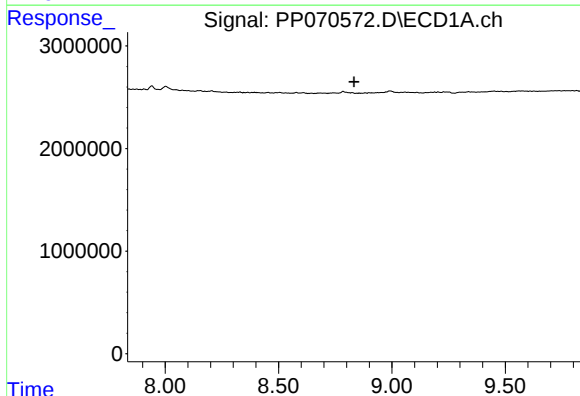
R.T.: 0.000 min
Exp R.T.: 8.740 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



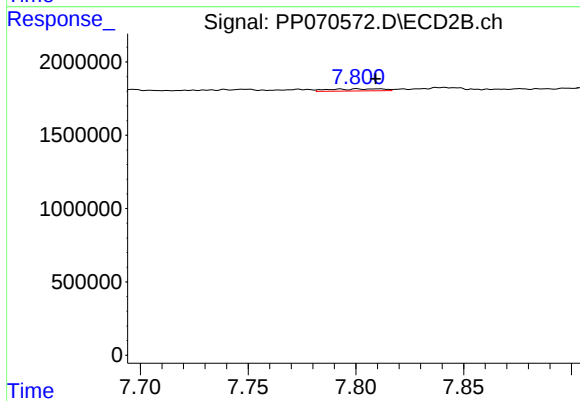
#41 AR-1268-1

R.T.: 7.739 min
Delta R.T.: -0.004 min
Response: 581084
Conc: 3.32 ng/ml



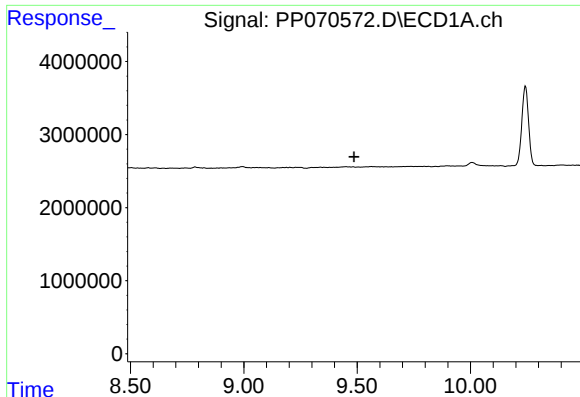
#42 AR-1268-2

R.T.: 0.000 min
Exp R.T.: 8.833 min
Response: 0
Conc: N.D.



#42 AR-1268-2

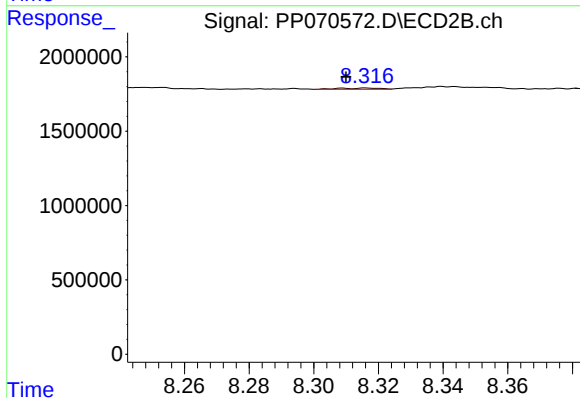
R.T.: 7.801 min
Delta R.T.: -0.009 min
Response: 242107
Conc: 1.66 ng/ml



#44 AR-1268-4

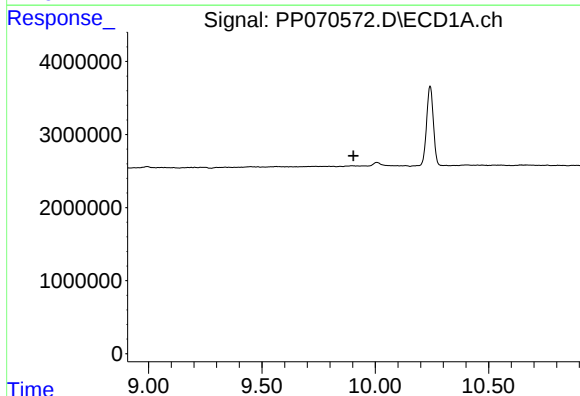
R.T.: 0.000 min
Exp R.T.: 9.487 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
I.BLK



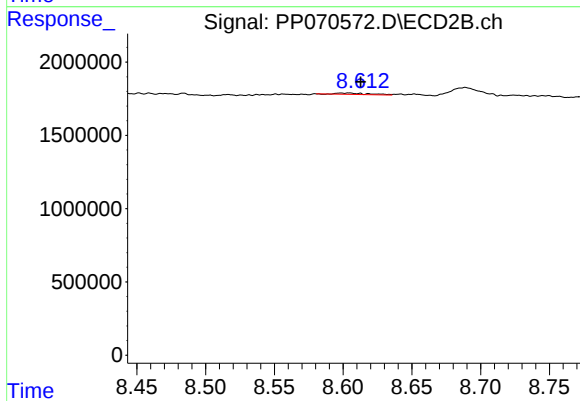
#44 AR-1268-4

R.T.: 8.316 min
Delta R.T.: 0.006 min
Response: 73683
Conc: 1.34 ng/ml



#45 AR-1268-5

R.T.: 0.000 min
Exp R.T.: 9.904 min
Response: 0
Conc: N.D.



#45 AR-1268-5

R.T.: 8.605 min
Delta R.T.: -0.008 min
Response: 148009
Conc: 0.40 ng/ml