

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060123\
 Data File : PP058151.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jun 2023 00:25
 Operator : YP\AJ
 Sample : 03001-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 02 05:08:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP050823.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 08 19:18:05 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...	4.381	3.637	54285764	57872594	24.745	25.513
2)	SA Decachlor...	10.203	8.693	26403171	28828698	23.299	18.365
Target Compounds							
3)	L1 AR-1016-1	5.557	4.731	74486	235364	1.196	3.158 #
4)	L1 AR-1016-2	5.584	4.747	186938	108712	2.079	1.052 #
5)	L1 AR-1016-3	5.660	4.926	29014	395176	0.513	6.703 #
7)	L1 AR-1016-5	6.048	5.173	44585	228589	0.956	3.850 #
8)	L2 AR-1221-1	4.590	0.000	1509177	0	52.153	N.D. #
9)	L2 AR-1221-2	4.689	3.940	1388736	1684845	64.075	75.639
10)	L2 AR-1221-3	4.772	4.019f	119592	80319	1.985	1.261 #
11)	L3 AR-1232-1	4.772	4.019f	119592	80319	2.730	1.740 #
12)	L3 AR-1232-2	5.303	4.747	40165	108712	1.540	2.297 #
13)	L3 AR-1232-3	5.584	4.926	186938	395176	4.580	14.519 #
14)	L3 AR-1232-4	5.748	5.019f	-32658	247619	N.D.	10.157 #
15)	L3 AR-1232-5	5.837	5.173	34844	228589	1.908	8.267 #
16)	L4 AR-1242-1	5.557	4.731	74486	235364	1.564	4.043 #
17)	L4 AR-1242-2	5.584	4.747	186938	108712	2.734	1.362 #
18)	L4 AR-1242-3	5.648	4.926	22948	395176	0.527	8.426 #
19)	L4 AR-1242-4	5.748	5.019f	-32658	247619	N.D.	5.337 #
20)	L4 AR-1242-5	6.498	5.537	31046	191774	0.958	3.430 #
21)	L5 AR-1248-1	5.557	4.731	74486	235364	1.770	4.574 #
22)	L5 AR-1248-2	5.837	0.000	34844	0	0.534	N.D. #
23)	L5 AR-1248-3	6.048	5.019f	44585	247619	0.642	3.273 #
24)	L5 AR-1248-4	6.462	5.173	55119	228589	0.862	2.563 #
25)	L5 AR-1248-5	6.498	5.580	31046	120229	0.484	1.446 #
26)	L6 AR-1254-1	6.435	5.537	156534	191774	2.332	1.717 #
27)	L6 AR-1254-2	6.636f	5.663f	165109	79725	1.745	0.799 #
28)	L6 AR-1254-3	7.013	6.074	433527	69949	4.759	0.447 #
29)	L6 AR-1254-4	7.307	6.332	111835	142996	1.878	1.550
30)	L6 AR-1254-5	7.722	6.753	232757	349380	3.390	2.414 #
31)	L7 AR-1260-1	7.181	6.216	247131	25075	3.132	0.228 #
32)	L7 AR-1260-2	7.450	6.404	25636	445762	0.320	3.507 #
33)	L7 AR-1260-3	7.819	6.557	69492	-10173	1.220	N.D. #
34)	L7 AR-1260-4	8.060f	7.028	216867	133138	3.264	1.524 #
35)	L7 AR-1260-5	8.357	7.257f	77516	171871	0.722	0.931 #
36)	L8 AR-1262-1	7.804	6.837	129295	279657	1.501	4.401 #
37)	L8 AR-1262-2	8.357	7.028	77516	133138	0.637	1.074 #
38)	L8 AR-1262-3	8.680	7.579	153620	298972	1.767	3.186 #
39)	L8 AR-1262-4	8.770	7.634	86546	20778	1.291	0.122 #
40)	L8 AR-1262-5	9.449	8.141	18457	465256	0.482	6.322 #
41)	L9 AR-1268-1	8.680	7.579	153620	298972	0.987	1.136
42)	L9 AR-1268-2	8.770	7.634	86546	20778	0.663	0.085 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060123\
 Data File : PP058151.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jun 2023 00:25
 Operator : YP\AJ
 Sample : 03001-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 02 05:08:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP050823.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 08 19:18:05 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
43) L9	AR-1268-3	9.002	7.849	272798	30383	2.113	0.150 #
44) L9	AR-1268-4	9.449	8.141	18457	465256	0.436	5.618 #
45) L9	AR-1268-5	9.885	8.432	109137	233510	0.334	0.452 #

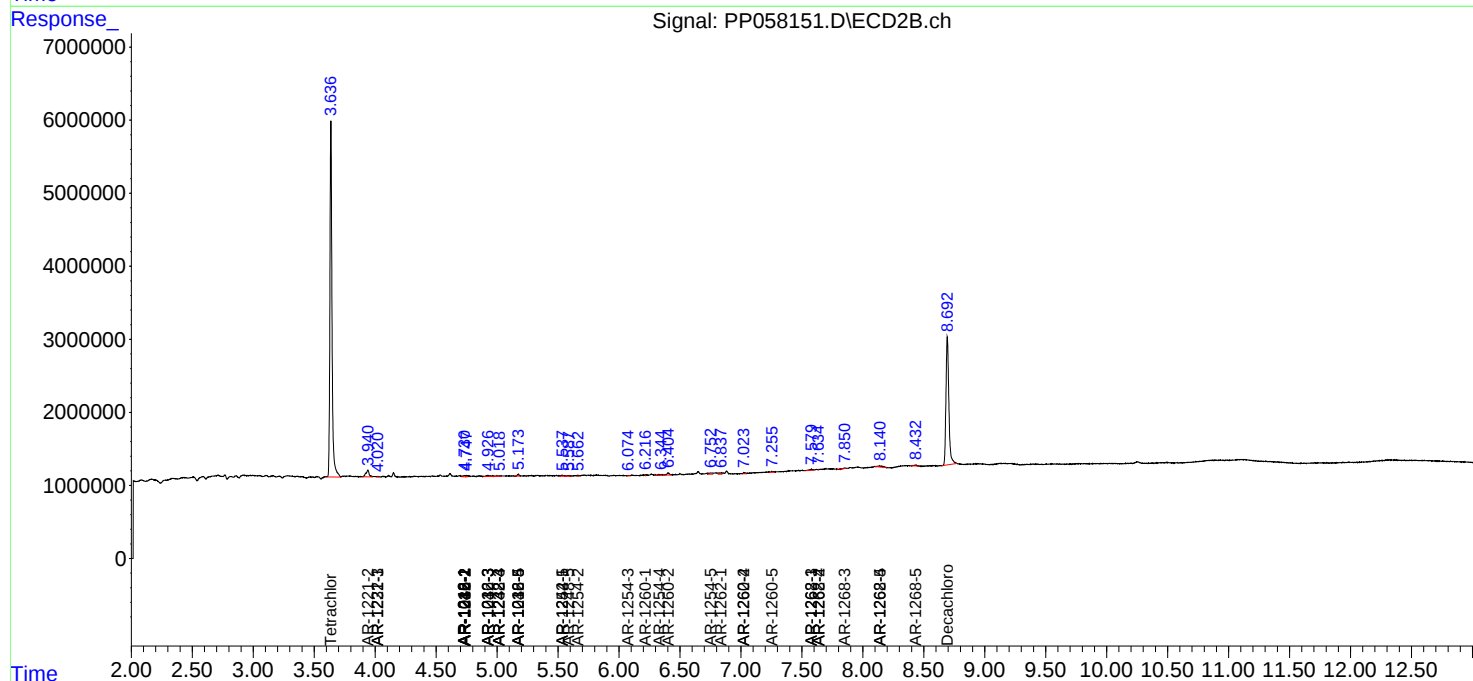
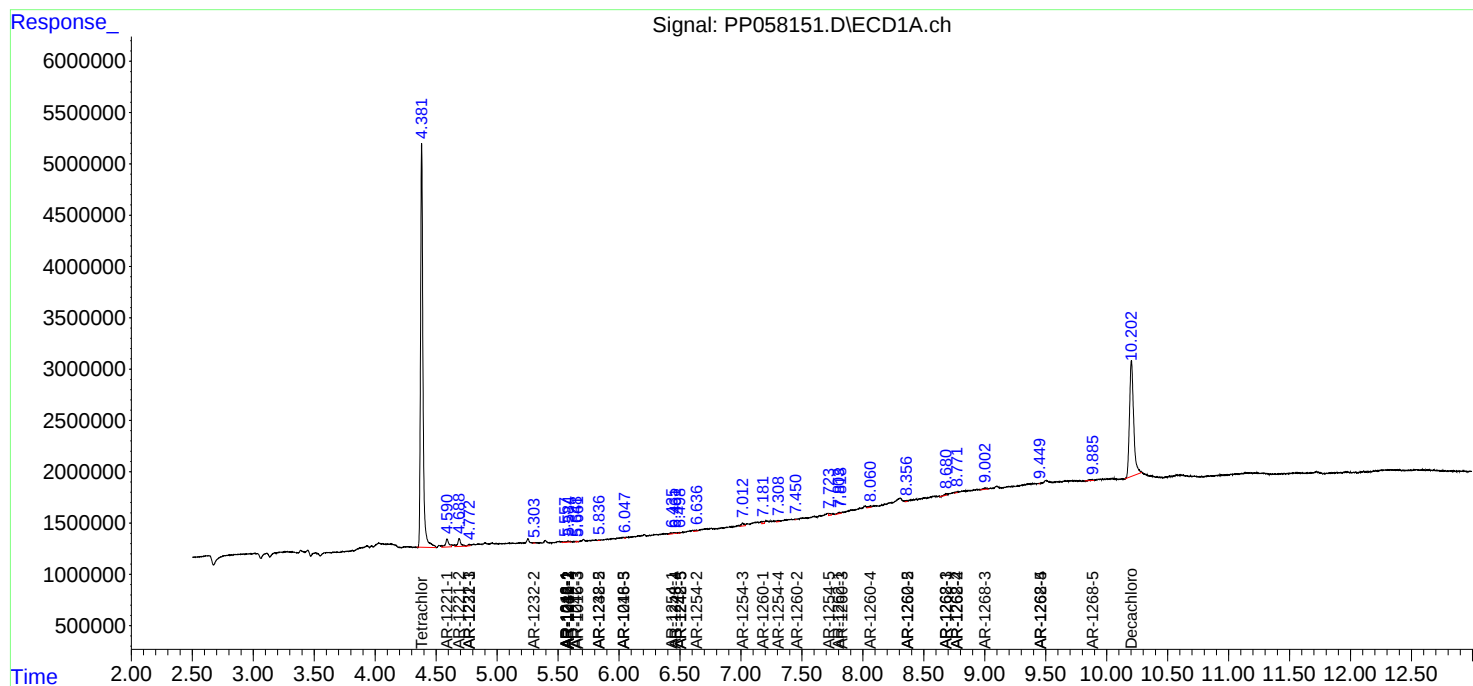
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

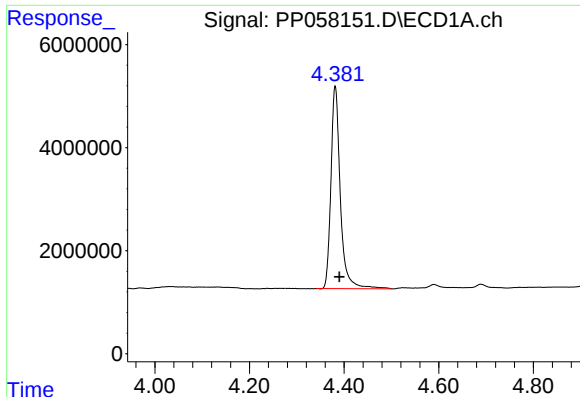
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060123\
Data File : PP058151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2023 00:25
Operator : YP\AJ
Sample : 03001-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 02 05:08:17 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP050823.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 08 19:18:05 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

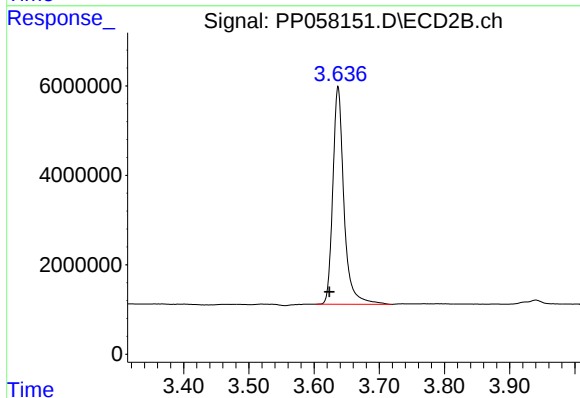




#1 Tetrachloro-m-xylene

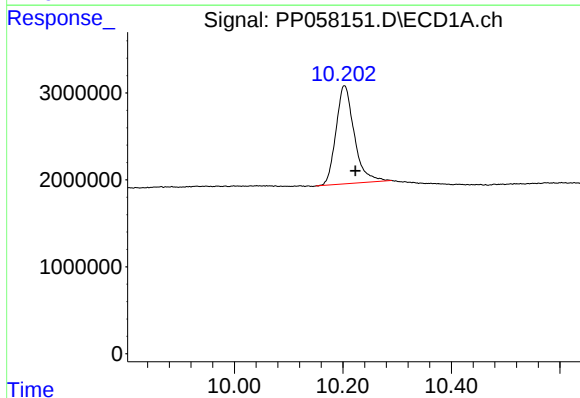
R.T.: 4.381 min
Delta R.T.: -0.009 min
Response: 54285764
Conc: 24.74 ng/ml

Instrument :
ECD_P
ClientSampleId :



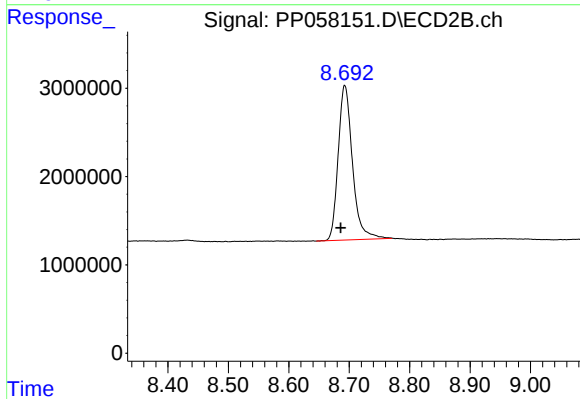
#1 Tetrachloro-m-xylene

R.T.: 3.637 min
Delta R.T.: 0.013 min
Response: 57872594
Conc: 25.51 ng/ml



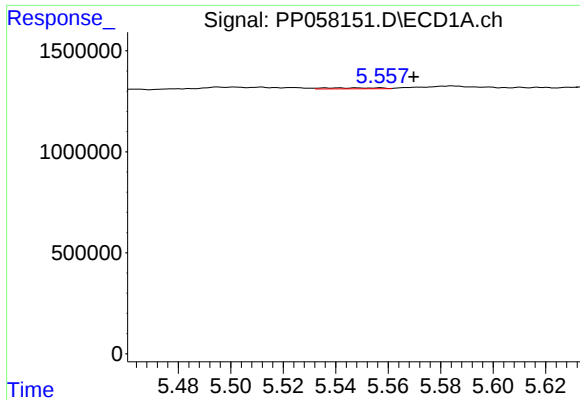
#2 Decachlorobiphenyl

R.T.: 10.203 min
Delta R.T.: -0.020 min
Response: 26403171
Conc: 23.30 ng/ml



#2 Decachlorobiphenyl

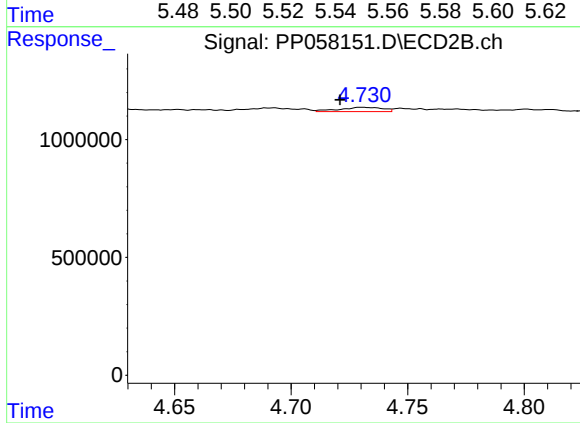
R.T.: 8.693 min
Delta R.T.: 0.007 min
Response: 28828698
Conc: 18.37 ng/ml



#3 AR-1016-1

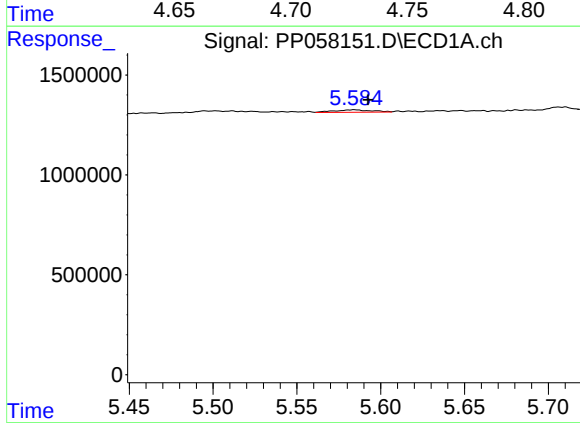
R.T.: 5.557 min
Delta R.T.: -0.013 min
Response: 74486
Conc: 1.20 ng/ml

Instrument :
ECD_P
ClientSampleId :



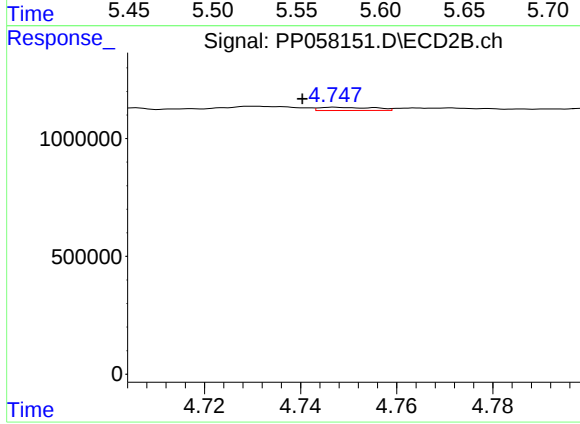
#3 AR-1016-1

R.T.: 4.731 min
Delta R.T.: 0.010 min
Response: 235364
Conc: 3.16 ng/ml



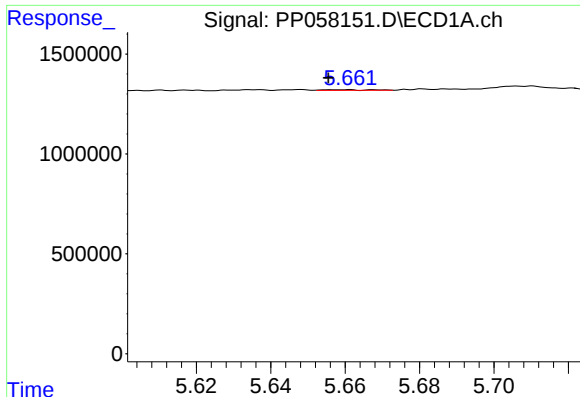
#4 AR-1016-2

R.T.: 5.584 min
Delta R.T.: -0.008 min
Response: 186938
Conc: 2.08 ng/ml



#4 AR-1016-2

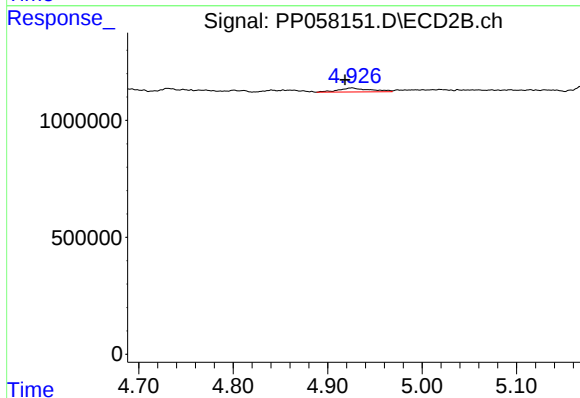
R.T.: 4.747 min
Delta R.T.: 0.007 min
Response: 108712
Conc: 1.05 ng/ml



#5 AR-1016-3

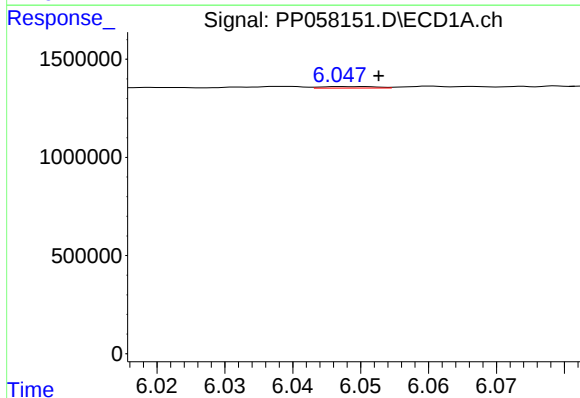
R.T.: 5.660 min
Delta R.T.: 0.005 min
Response: 29014
Conc: 0.51 ng/ml

Instrument :
ECD_P
ClientSampleId :



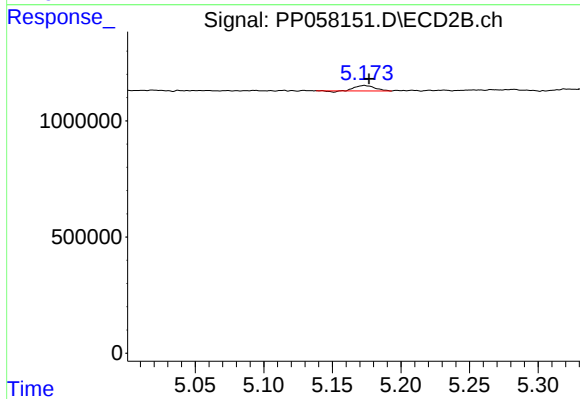
#5 AR-1016-3

R.T.: 4.926 min
Delta R.T.: 0.007 min
Response: 395176
Conc: 6.70 ng/ml



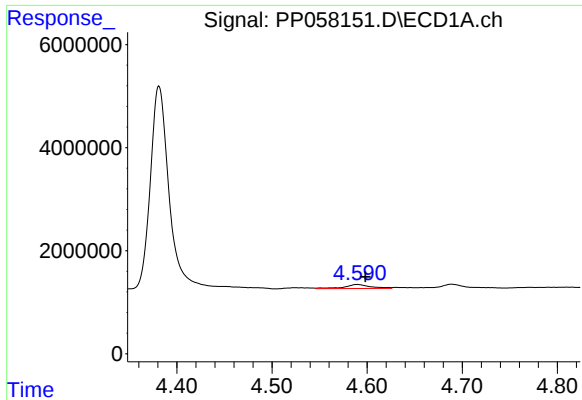
#7 AR-1016-5

R.T.: 6.048 min
Delta R.T.: -0.004 min
Response: 44585
Conc: 0.96 ng/ml



#7 AR-1016-5

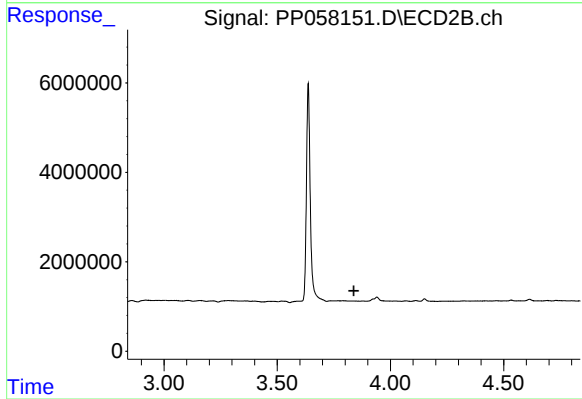
R.T.: 5.173 min
Delta R.T.: -0.003 min
Response: 228589
Conc: 3.85 ng/ml



#8 AR-1221-1

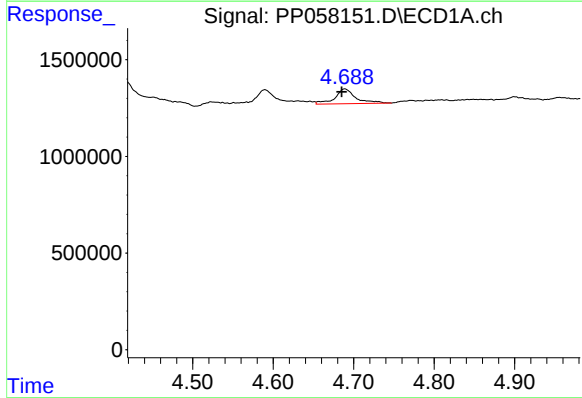
R.T.: 4.590 min
Delta R.T.: -0.008 min
Response: 1509177
Conc: 52.15 ng/ml

Instrument :
ECD_P
ClientSampleId :



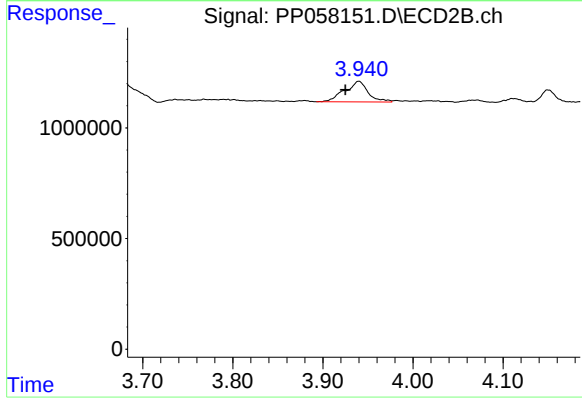
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T. : 3.839 min
Response: 0
Conc: N.D.



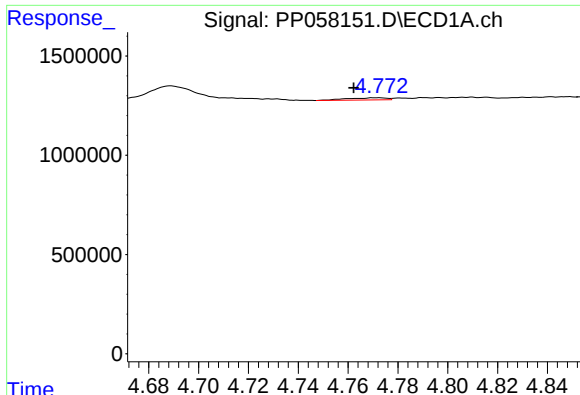
#9 AR-1221-2

R.T.: 4.689 min
Delta R.T.: 0.004 min
Response: 1388736
Conc: 64.08 ng/ml



#9 AR-1221-2

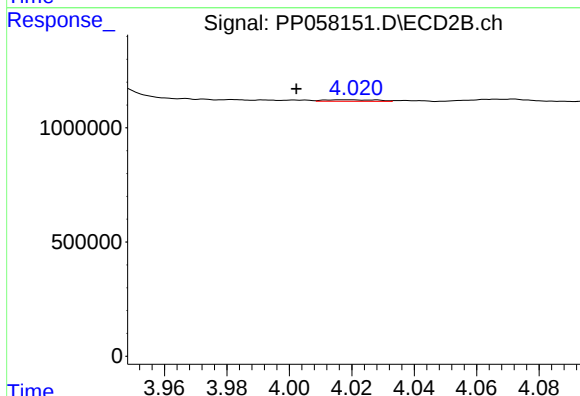
R.T.: 3.940 min
Delta R.T.: 0.015 min
Response: 1684845
Conc: 75.64 ng/ml



#10 AR-1221-3

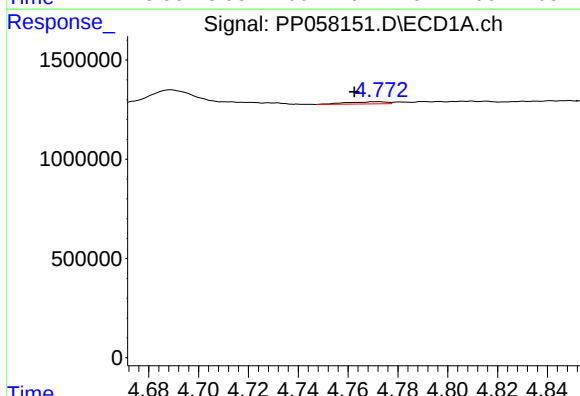
R.T.: 4.772 min
Delta R.T.: 0.009 min
Response: 119592
Conc: 1.99 ng/ml

Instrument :
ECD_P
ClientSampleId :



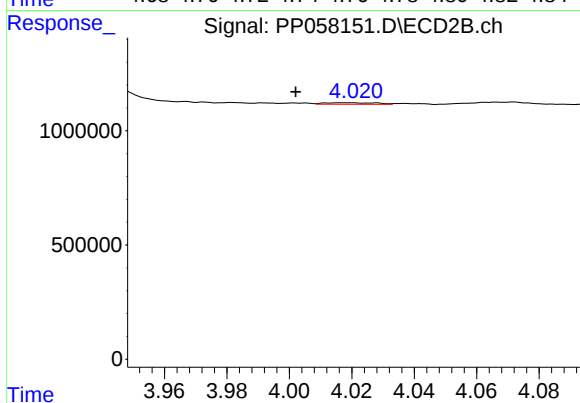
#10 AR-1221-3

R.T.: 4.019 min
Delta R.T.: 0.017 min
Response: 80319
Conc: 1.26 ng/ml



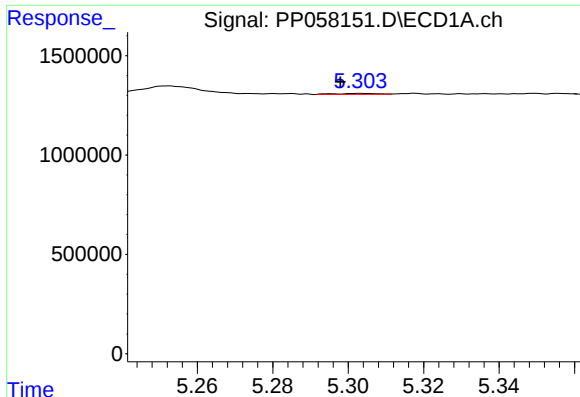
#11 AR-1232-1

R.T.: 4.772 min
Delta R.T.: 0.009 min
Response: 119592
Conc: 2.73 ng/ml



#11 AR-1232-1

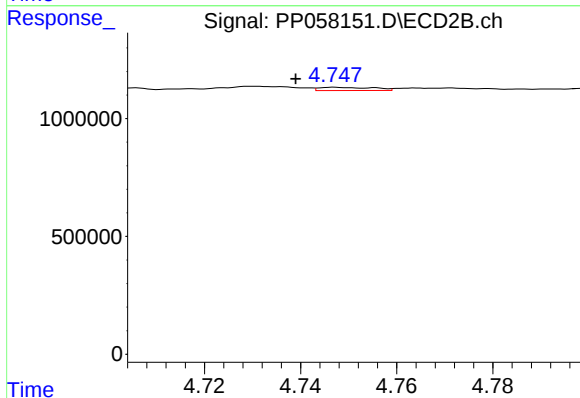
R.T.: 4.019 min
Delta R.T.: 0.017 min
Response: 80319
Conc: 1.74 ng/ml



#12 AR-1232-2

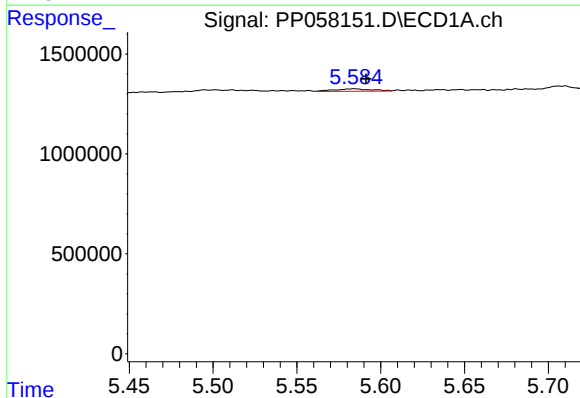
R.T.: 5.303 min
Delta R.T.: 0.005 min
Response: 40165
Conc: 1.54 ng/ml

Instrument :
ECD_P
ClientSampleId :



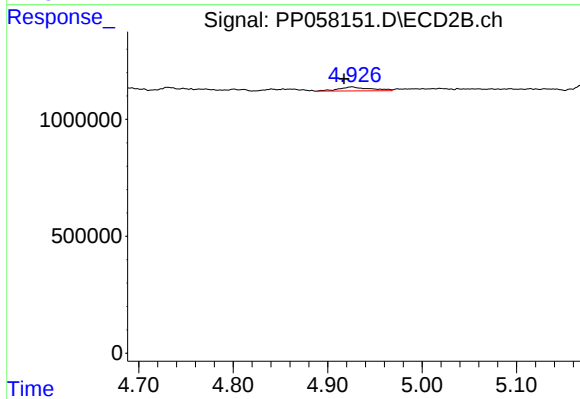
#12 AR-1232-2

R.T.: 4.747 min
Delta R.T.: 0.008 min
Response: 108712
Conc: 2.30 ng/ml



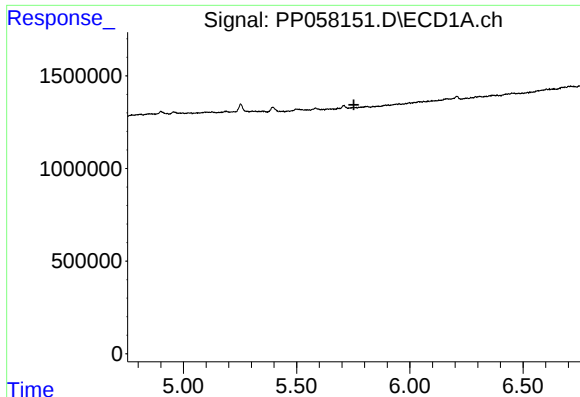
#13 AR-1232-3

R.T.: 5.584 min
Delta R.T.: -0.007 min
Response: 186938
Conc: 4.58 ng/ml



#13 AR-1232-3

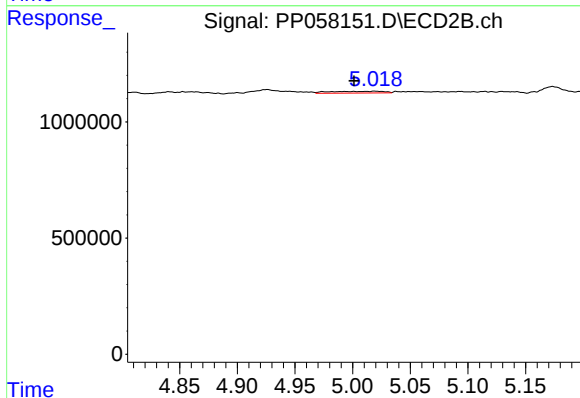
R.T.: 4.926 min
Delta R.T.: 0.008 min
Response: 395176
Conc: 14.52 ng/ml



#14 AR-1232-4

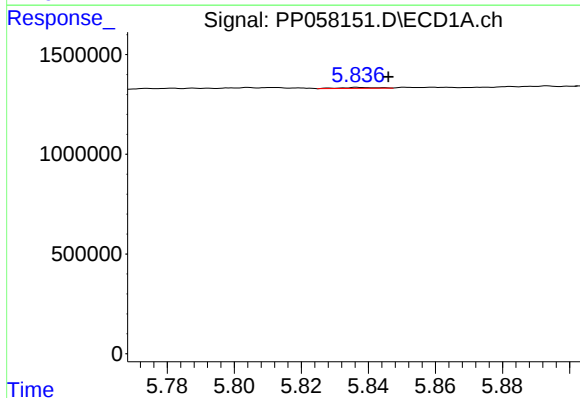
R.T.: 5.748 min
Delta R.T.: -0.005 min
Response: -32658
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :



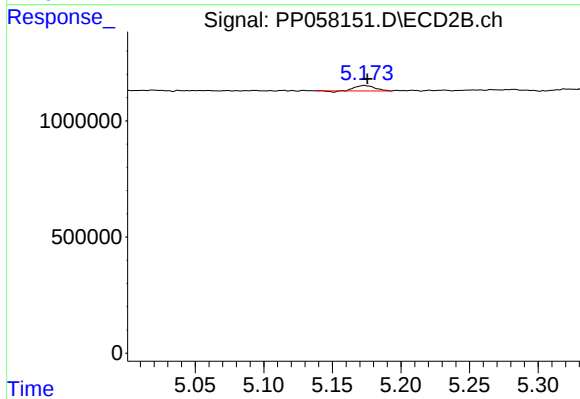
#14 AR-1232-4

R.T.: 5.019 min
Delta R.T.: 0.018 min
Response: 247619
Conc: 10.16 ng/ml



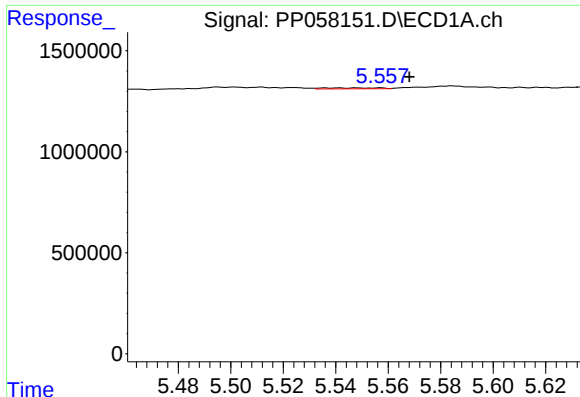
#15 AR-1232-5

R.T.: 5.837 min
Delta R.T.: -0.009 min
Response: 34844
Conc: 1.91 ng/ml



#15 AR-1232-5

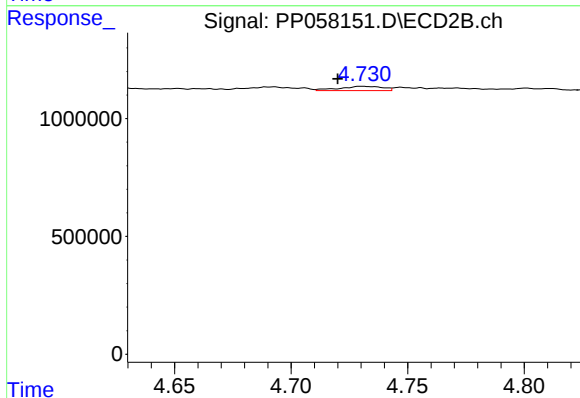
R.T.: 5.173 min
Delta R.T.: -0.002 min
Response: 228589
Conc: 8.27 ng/ml



#16 AR-1242-1

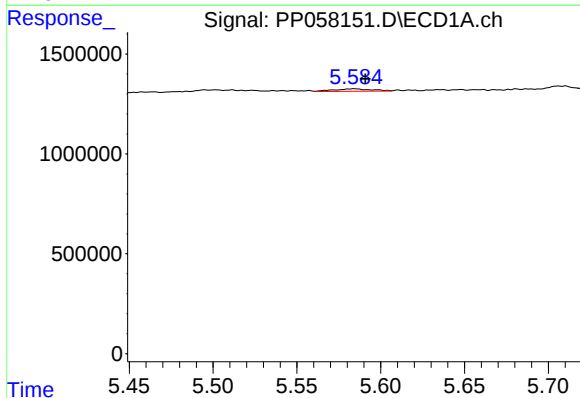
R.T.: 5.557 min
Delta R.T.: -0.011 min
Response: 74486
Conc: 1.56 ng/ml

Instrument :
ECD_P
ClientSampleId :



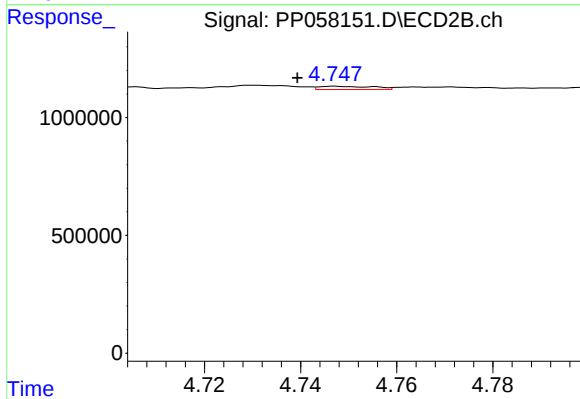
#16 AR-1242-1

R.T.: 4.731 min
Delta R.T.: 0.011 min
Response: 235364
Conc: 4.04 ng/ml



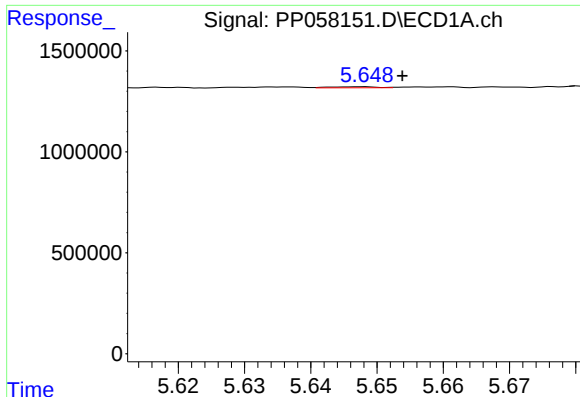
#17 AR-1242-2

R.T.: 5.584 min
Delta R.T.: -0.007 min
Response: 186938
Conc: 2.73 ng/ml



#17 AR-1242-2

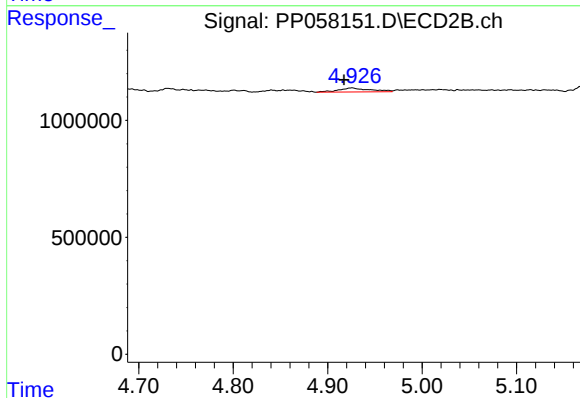
R.T.: 4.747 min
Delta R.T.: 0.008 min
Response: 108712
Conc: 1.36 ng/ml



#18 AR-1242-3

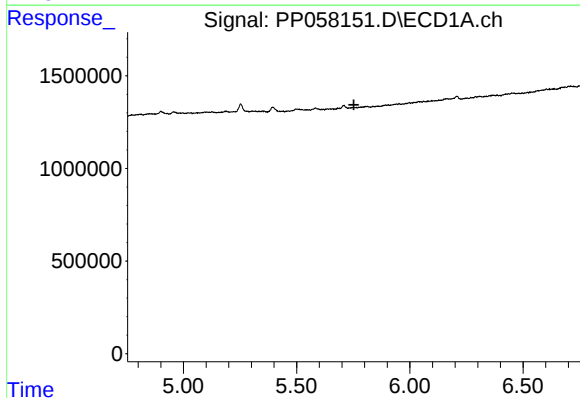
R.T.: 5.648 min
Delta R.T.: -0.006 min
Response: 22948
Conc: 0.53 ng/ml

Instrument :
ECD_P
ClientSampleId :



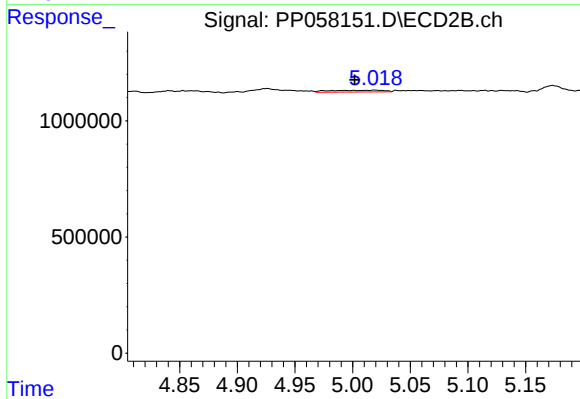
#18 AR-1242-3

R.T.: 4.926 min
Delta R.T.: 0.008 min
Response: 395176
Conc: 8.43 ng/ml



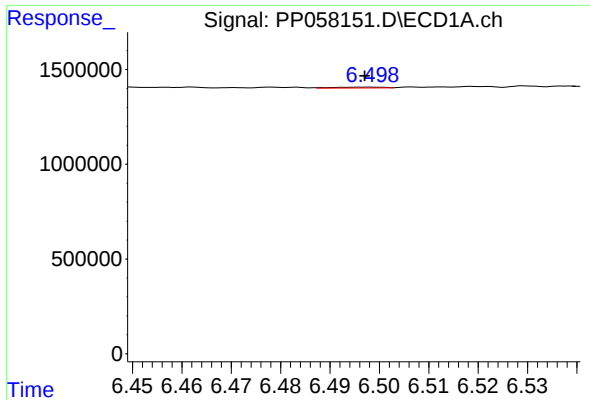
#19 AR-1242-4

R.T.: 5.748 min
Delta R.T.: -0.005 min
Response: -32658
Conc: N.D.



#19 AR-1242-4

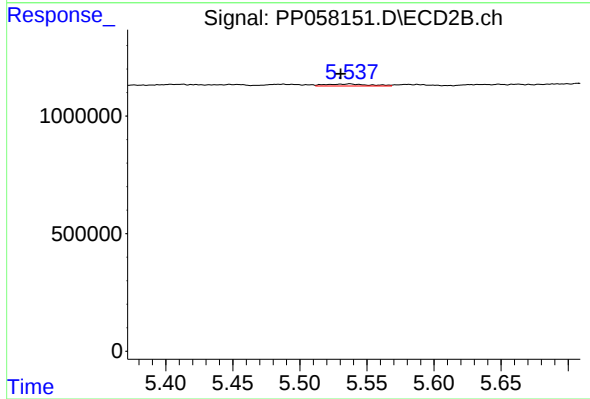
R.T.: 5.019 min
Delta R.T.: 0.017 min
Response: 247619
Conc: 5.34 ng/ml



#20 AR-1242-5

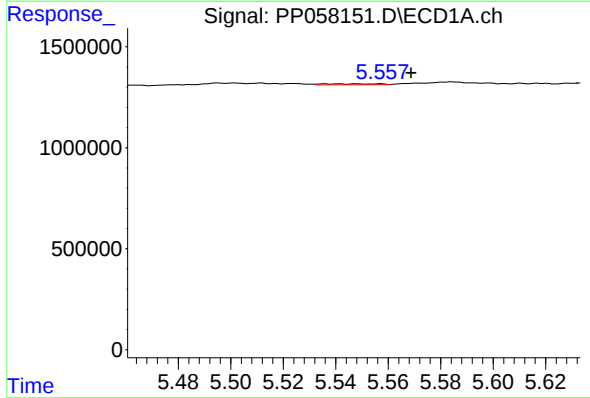
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 31046
Conc: 0.96 ng/ml

Instrument :
ECD_P
ClientSampleId :



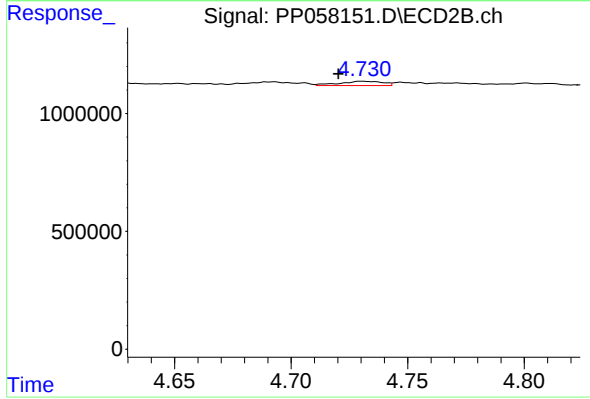
#20 AR-1242-5

R.T.: 5.537 min
Delta R.T.: 0.007 min
Response: 191774
Conc: 3.43 ng/ml



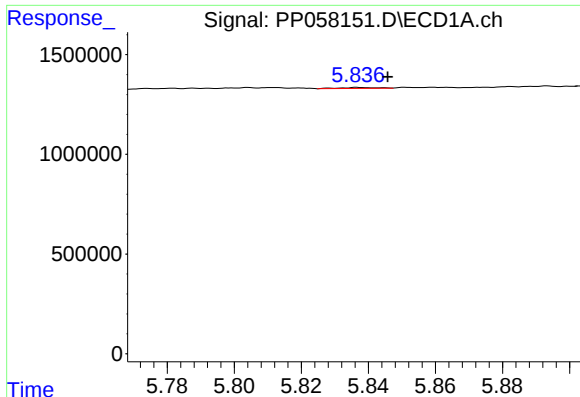
#21 AR-1248-1

R.T.: 5.557 min
Delta R.T.: -0.012 min
Response: 74486
Conc: 1.77 ng/ml



#21 AR-1248-1

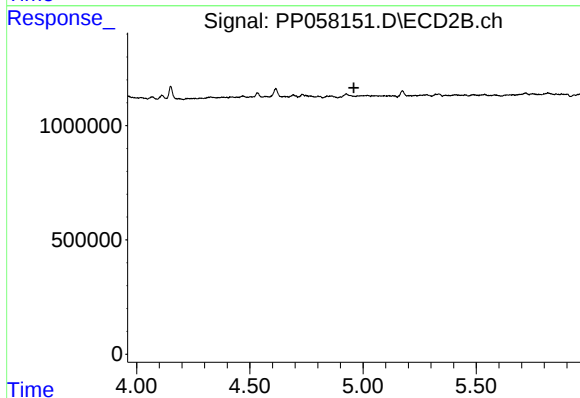
R.T.: 4.731 min
Delta R.T.: 0.010 min
Response: 235364
Conc: 4.57 ng/ml



#22 AR-1248-2

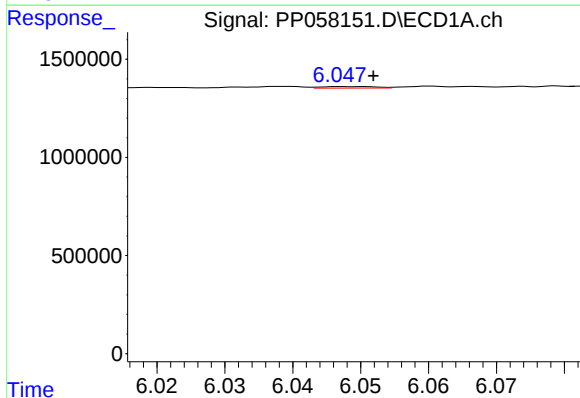
R.T.: 5.837 min
Delta R.T.: -0.009 min
Response: 34844
Conc: 0.53 ng/ml

Instrument :
ECD_P
ClientSampleId :



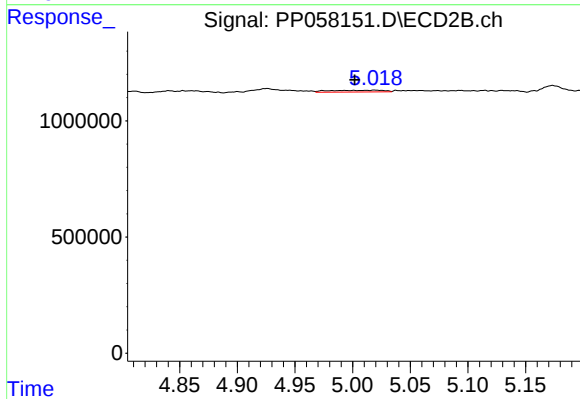
#22 AR-1248-2

R.T.: 0.000 min
Exp R.T. : 4.960 min
Response: 0
Conc: N.D.



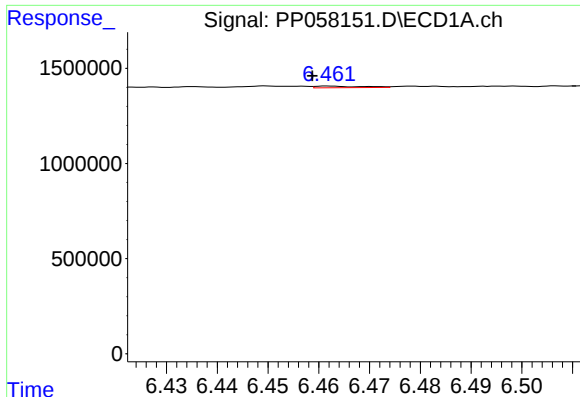
#23 AR-1248-3

R.T.: 6.048 min
Delta R.T.: -0.004 min
Response: 44585
Conc: 0.64 ng/ml



#23 AR-1248-3

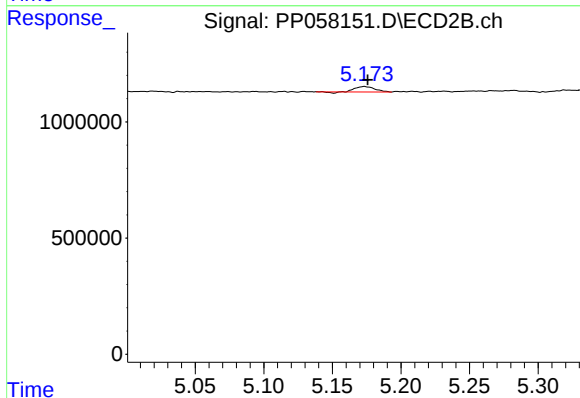
R.T.: 5.019 min
Delta R.T.: 0.017 min
Response: 247619
Conc: 3.27 ng/ml



#24 AR-1248-4

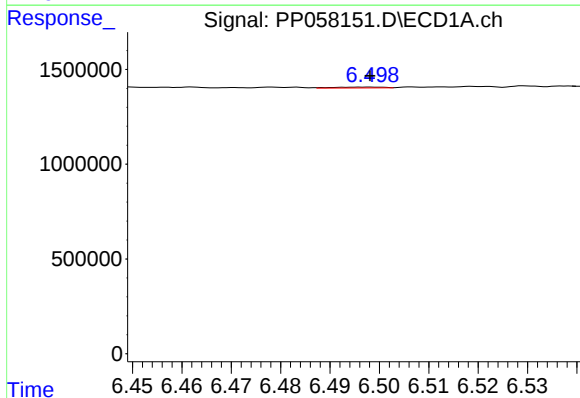
R.T.: 6.462 min
Delta R.T.: 0.003 min
Response: 55119
Conc: 0.86 ng/ml

Instrument :
ECD_P
ClientSampleId :



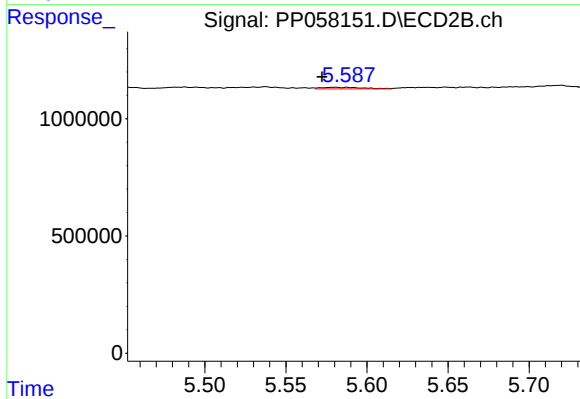
#24 AR-1248-4

R.T.: 5.173 min
Delta R.T.: -0.002 min
Response: 228589
Conc: 2.56 ng/ml



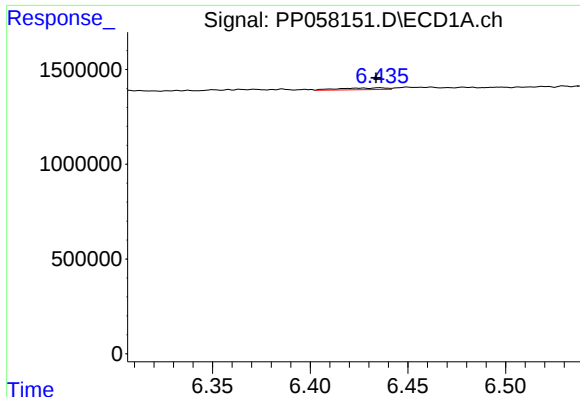
#25 AR-1248-5

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 31046
Conc: 0.48 ng/ml



#25 AR-1248-5

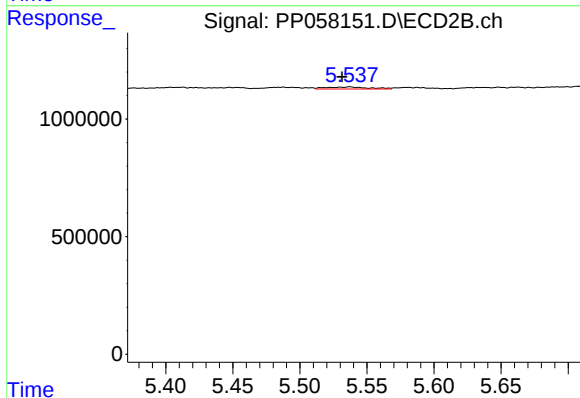
R.T.: 5.580 min
Delta R.T.: 0.008 min
Response: 120229
Conc: 1.45 ng/ml



#26 AR-1254-1

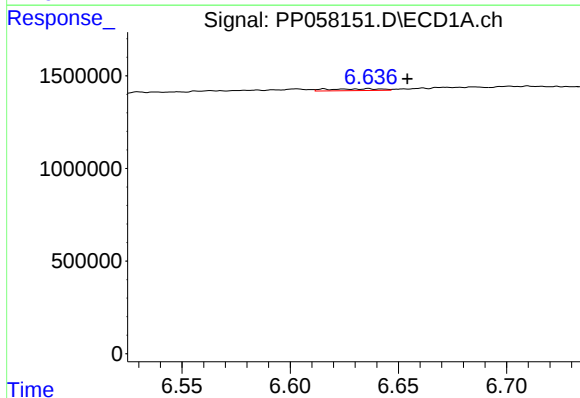
R.T.: 6.435 min
Delta R.T.: 0.002 min
Response: 156534
Conc: 2.33 ng/ml

Instrument :
ECD_P
ClientSampleId :



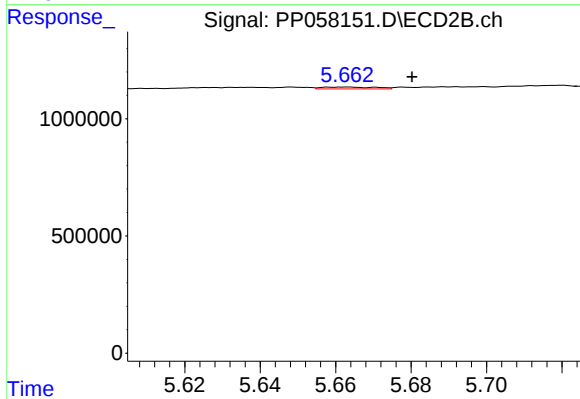
#26 AR-1254-1

R.T.: 5.537 min
Delta R.T.: 0.006 min
Response: 191774
Conc: 1.72 ng/ml



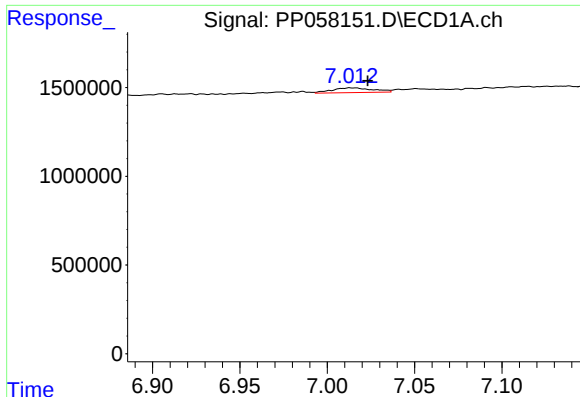
#27 AR-1254-2

R.T.: 6.636 min
Delta R.T.: -0.018 min
Response: 165109
Conc: 1.75 ng/ml



#27 AR-1254-2

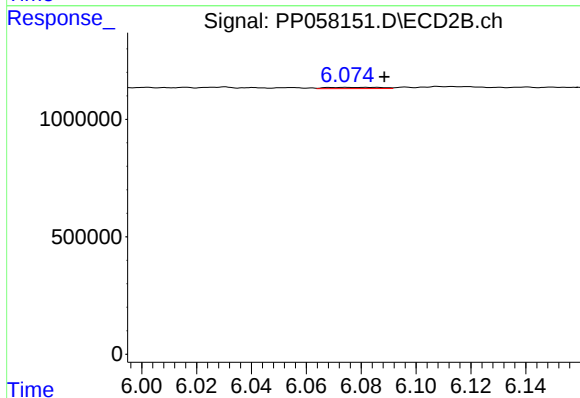
R.T.: 5.663 min
Delta R.T.: -0.017 min
Response: 79725
Conc: 0.80 ng/ml



#28 AR-1254-3

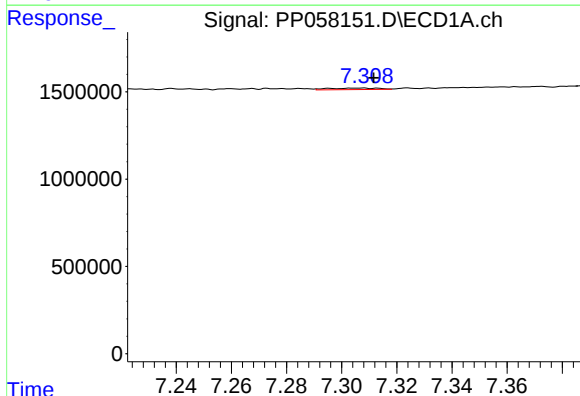
R.T.: 7.013 min
Delta R.T.: -0.010 min
Response: 433527
Conc: 4.76 ng/ml

Instrument :
ECD_P
ClientSampleId :



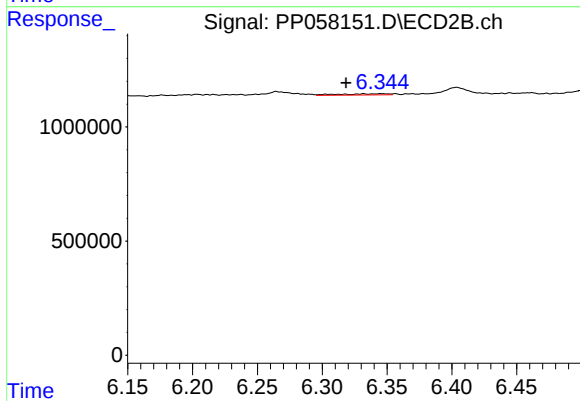
#28 AR-1254-3

R.T.: 6.074 min
Delta R.T.: -0.014 min
Response: 69949
Conc: 0.45 ng/ml



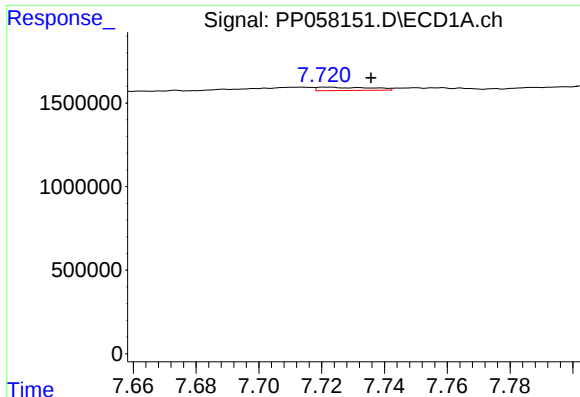
#29 AR-1254-4

R.T.: 7.307 min
Delta R.T.: -0.004 min
Response: 111835
Conc: 1.88 ng/ml



#29 AR-1254-4

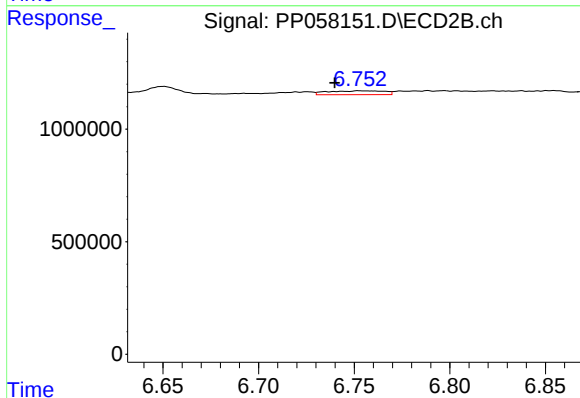
R.T.: 6.332 min
Delta R.T.: 0.013 min
Response: 142996
Conc: 1.55 ng/ml



#30 AR-1254-5

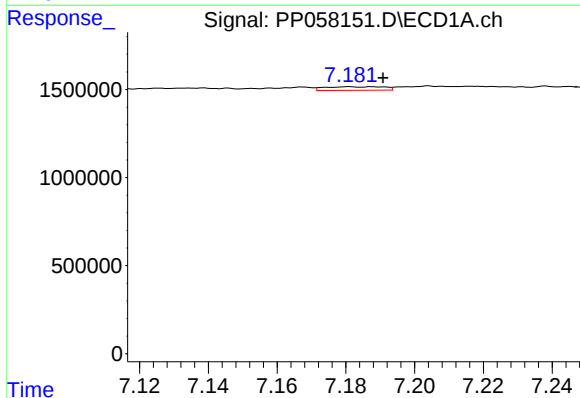
R.T.: 7.722 min
Delta R.T.: -0.014 min
Response: 232757
Conc: 3.39 ng/ml

Instrument :
ECD_P
ClientSampleId :



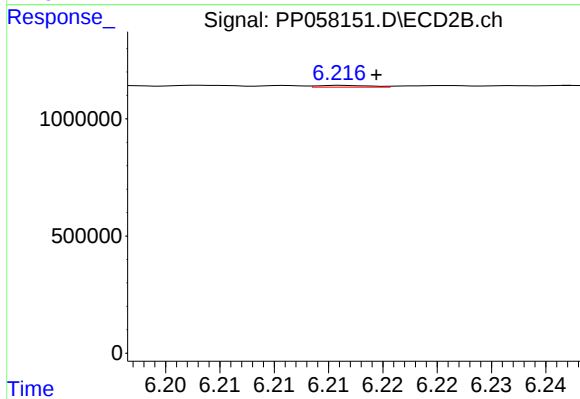
#30 AR-1254-5

R.T.: 6.753 min
Delta R.T.: 0.013 min
Response: 349380
Conc: 2.41 ng/ml



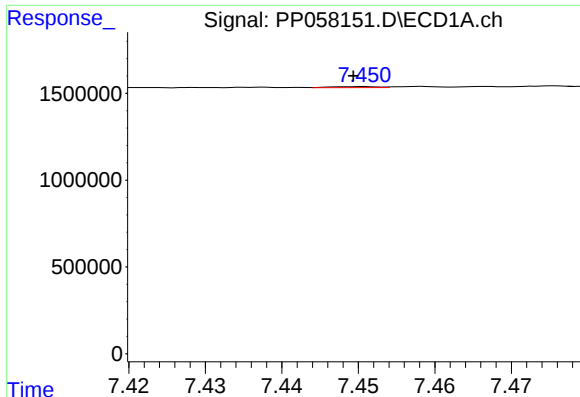
#31 AR-1260-1

R.T.: 7.181 min
Delta R.T.: -0.010 min
Response: 247131
Conc: 3.13 ng/ml



#31 AR-1260-1

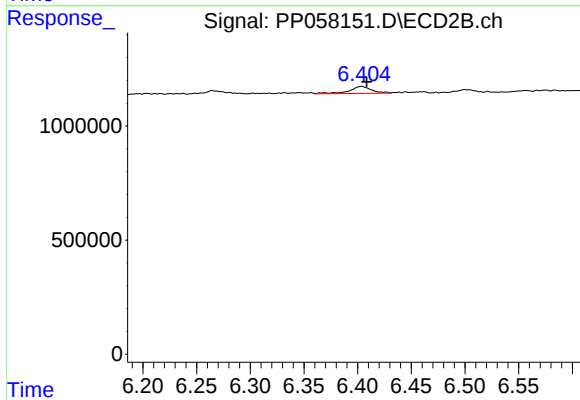
R.T.: 6.216 min
Delta R.T.: -0.003 min
Response: 25075
Conc: 0.23 ng/ml



#32 AR-1260-2

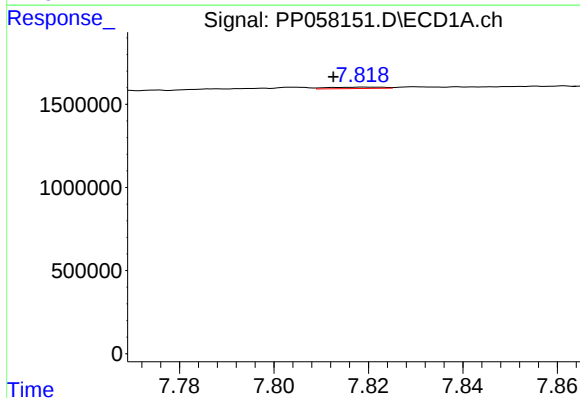
R.T.: 7.450 min
Delta R.T.: 0.000 min
Response: 25636
Conc: 0.32 ng/ml

Instrument :
ECD_P
ClientSampleId :



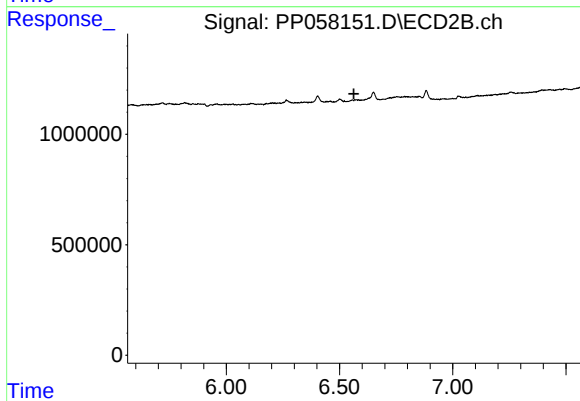
#32 AR-1260-2

R.T.: 6.404 min
Delta R.T.: -0.005 min
Response: 445762
Conc: 3.51 ng/ml



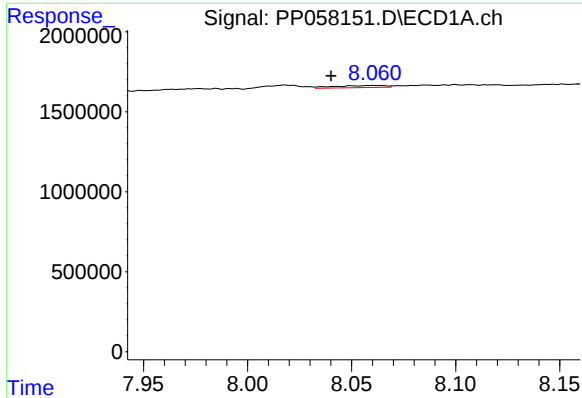
#33 AR-1260-3

R.T.: 7.819 min
Delta R.T.: 0.007 min
Response: 69492
Conc: 1.22 ng/ml



#33 AR-1260-3

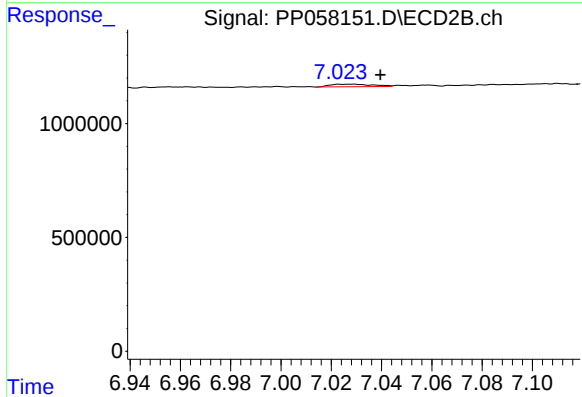
R.T.: 6.557 min
Delta R.T.: -0.007 min
Response: -10173
Conc: N.D.



#34 AR-1260-4

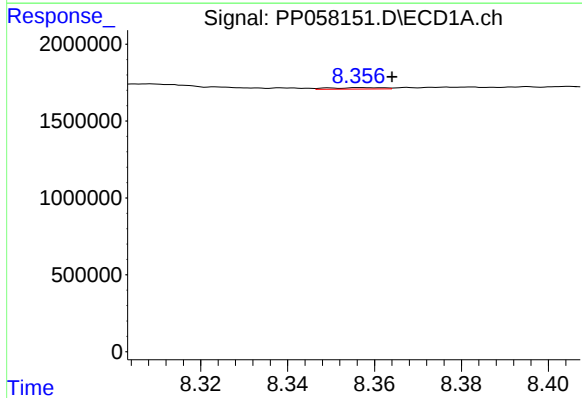
R.T.: 8.060 min
Delta R.T.: 0.020 min
Response: 216867
Conc: 3.26 ng/ml

Instrument :
ECD_P
ClientSampleId :



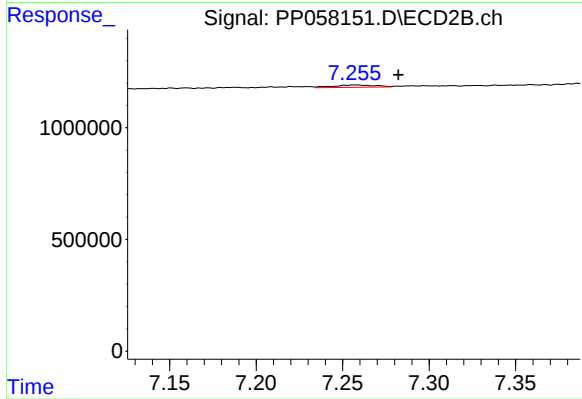
#34 AR-1260-4

R.T.: 7.028 min
Delta R.T.: -0.012 min
Response: 133138
Conc: 1.52 ng/ml



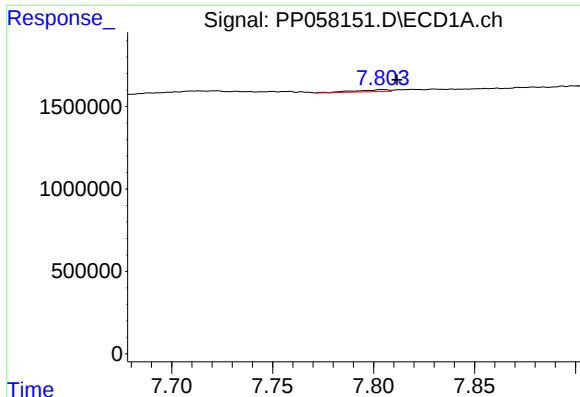
#35 AR-1260-5

R.T.: 8.357 min
Delta R.T.: -0.007 min
Response: 77516
Conc: 0.72 ng/ml



#35 AR-1260-5

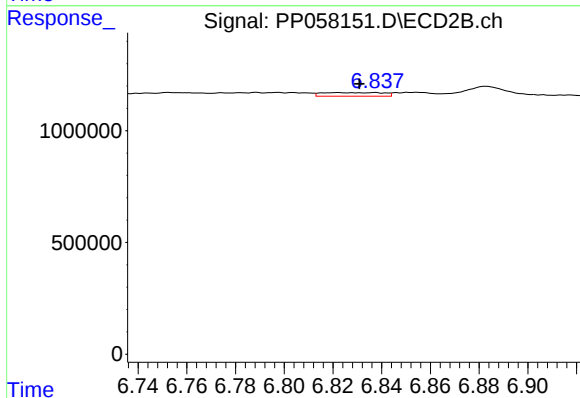
R.T.: 7.257 min
Delta R.T.: -0.025 min
Response: 171871
Conc: 0.93 ng/ml



#36 AR-1262-1

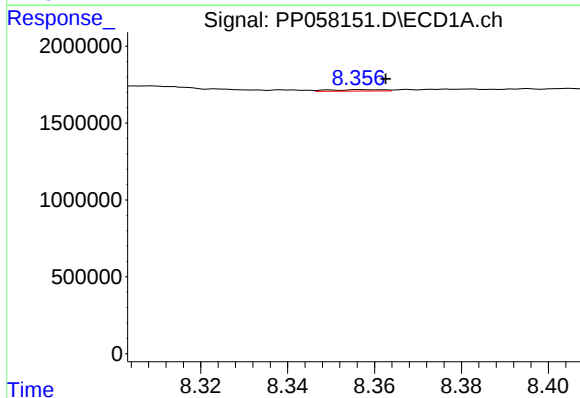
R.T.: 7.804 min
Delta R.T.: -0.007 min
Response: 129295
Conc: 1.50 ng/ml

Instrument :
ECD_P
ClientSampleId :



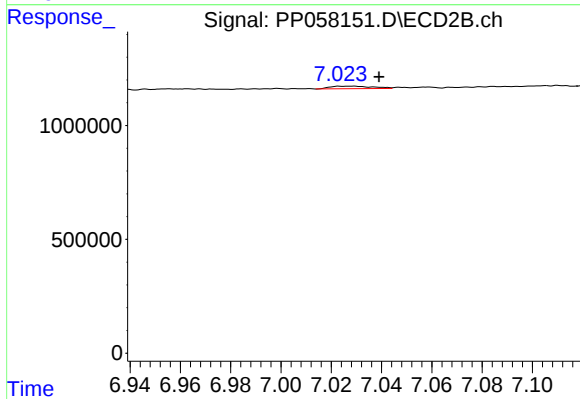
#36 AR-1262-1

R.T.: 6.837 min
Delta R.T.: 0.006 min
Response: 279657
Conc: 4.40 ng/ml



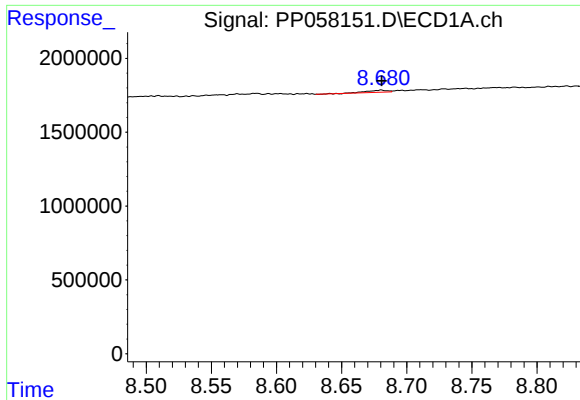
#37 AR-1262-2

R.T.: 8.357 min
Delta R.T.: -0.006 min
Response: 77516
Conc: 0.64 ng/ml



#37 AR-1262-2

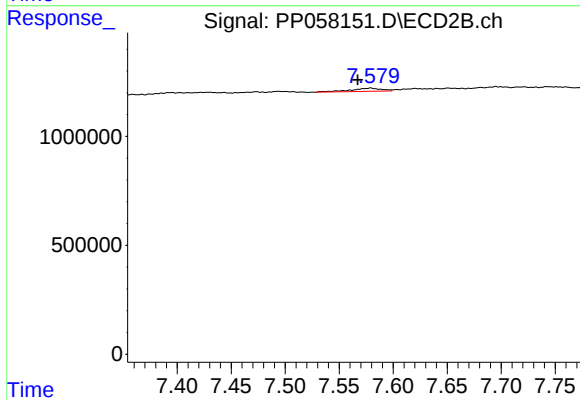
R.T.: 7.028 min
Delta R.T.: -0.011 min
Response: 133138
Conc: 1.07 ng/ml



#38 AR-1262-3

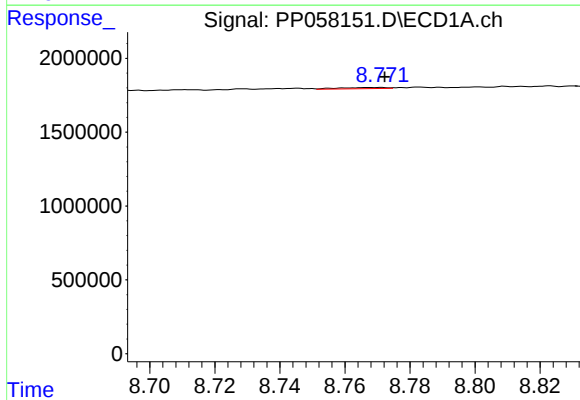
R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 153620
Conc: 1.77 ng/ml

Instrument :
ECD_P
ClientSampleId :



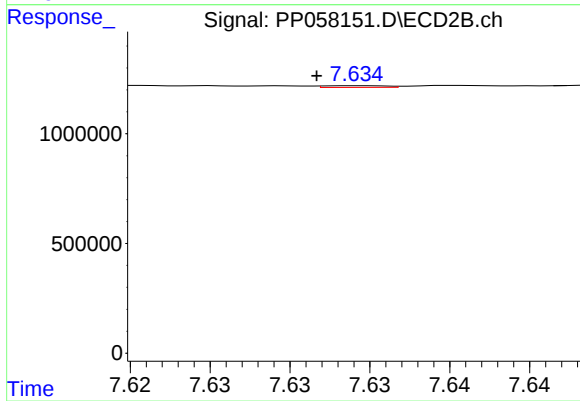
#38 AR-1262-3

R.T.: 7.579 min
Delta R.T.: 0.012 min
Response: 298972
Conc: 3.19 ng/ml



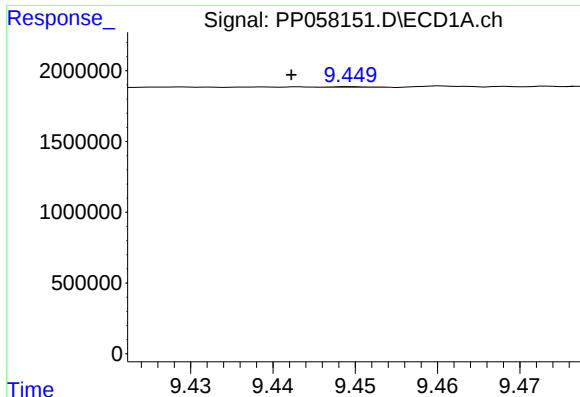
#39 AR-1262-4

R.T.: 8.770 min
Delta R.T.: -0.002 min
Response: 86546
Conc: 1.29 ng/ml



#39 AR-1262-4

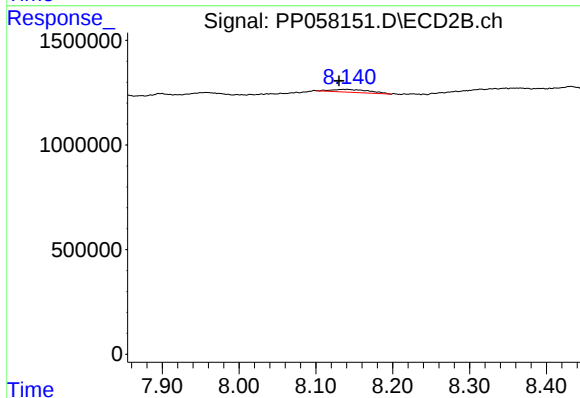
R.T.: 7.634 min
Delta R.T.: 0.002 min
Response: 20778
Conc: 0.12 ng/ml



#40 AR-1262-5

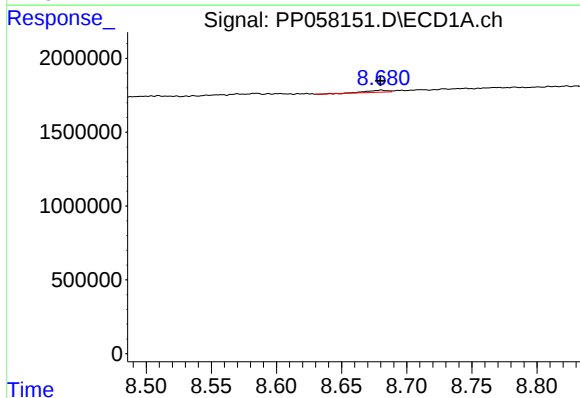
R.T.: 9.449 min
Delta R.T.: 0.007 min
Response: 18457
Conc: 0.48 ng/ml

Instrument :
ECD_P
ClientSampleId :



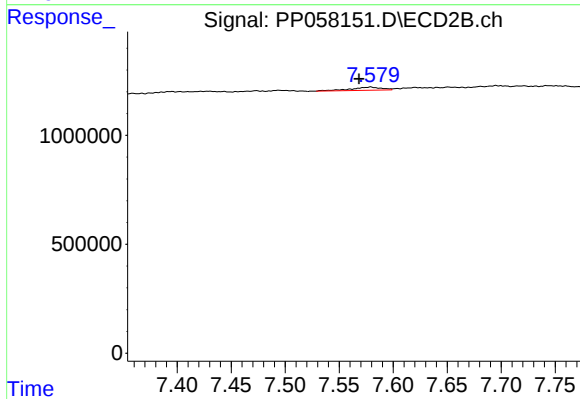
#40 AR-1262-5

R.T.: 8.141 min
Delta R.T.: 0.010 min
Response: 465256
Conc: 6.32 ng/ml



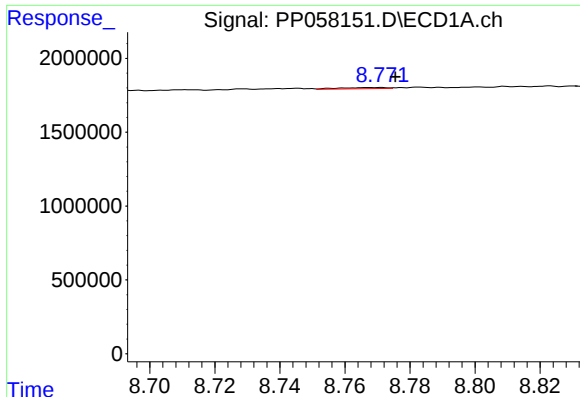
#41 AR-1268-1

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 153620
Conc: 0.99 ng/ml



#41 AR-1268-1

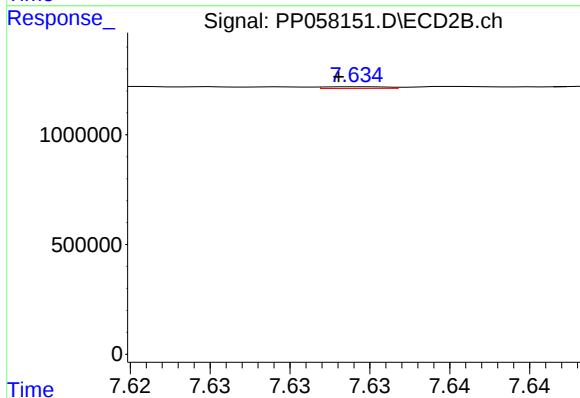
R.T.: 7.579 min
Delta R.T.: 0.011 min
Response: 298972
Conc: 1.14 ng/ml



#42 AR-1268-2

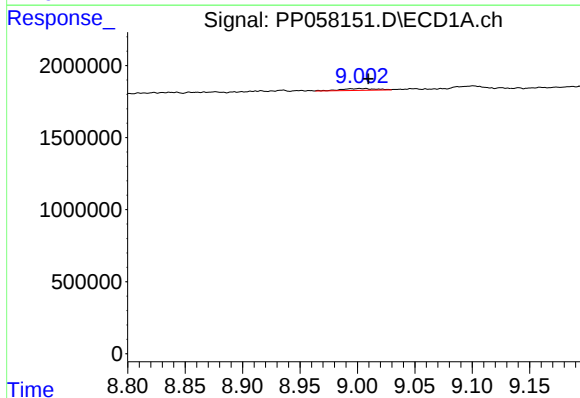
R.T.: 8.770 min
Delta R.T.: -0.006 min
Response: 86546
Conc: 0.66 ng/ml

Instrument :
ECD_P
ClientSampleId :



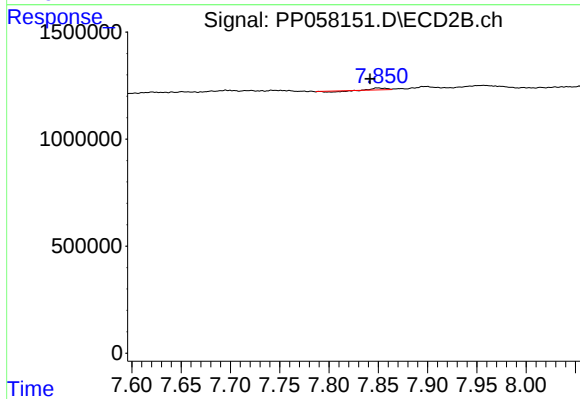
#42 AR-1268-2

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 20778
Conc: 0.08 ng/ml



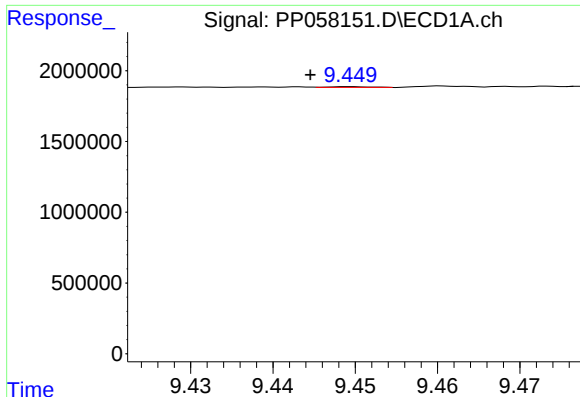
#43 AR-1268-3

R.T.: 9.002 min
Delta R.T.: -0.007 min
Response: 272798
Conc: 2.11 ng/ml



#43 AR-1268-3

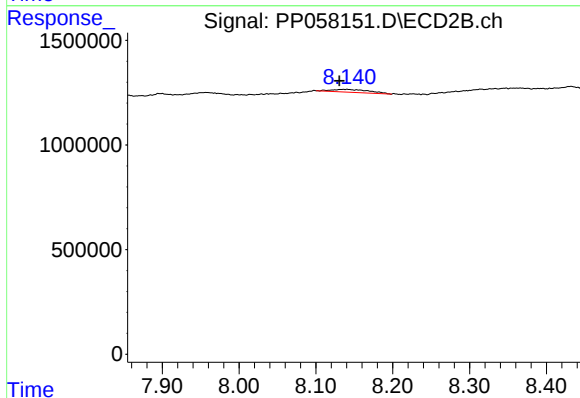
R.T.: 7.849 min
Delta R.T.: 0.008 min
Response: 30383
Conc: 0.15 ng/ml



#44 AR-1268-4

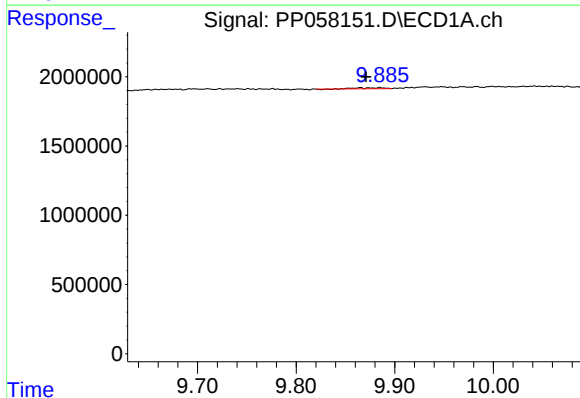
R.T.: 9.449 min
Delta R.T.: 0.005 min
Response: 18457
Conc: 0.44 ng/ml

Instrument :
ECD_P
ClientSampleId :



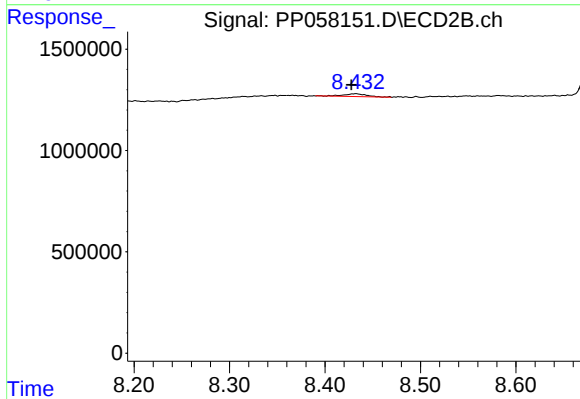
#44 AR-1268-4

R.T.: 8.141 min
Delta R.T.: 0.010 min
Response: 465256
Conc: 5.62 ng/ml



#45 AR-1268-5

R.T.: 9.885 min
Delta R.T.: 0.014 min
Response: 109137
Conc: 0.33 ng/ml



#45 AR-1268-5

R.T.: 8.432 min
Delta R.T.: 0.005 min
Response: 233510
Conc: 0.45 ng/ml