

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ110118\
 Data File : PQ033980.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Oct 2018 20:34
 Operator : SM\SJ
 Sample : J5657-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 01 02:41:55 2018
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100918CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 30 17:29:03 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm 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...	4.556	3.837	46501031	34138421	22.667	21.949
2)	SA Decachlor...	10.368	8.872	48905851	55652120	25.872	34.619 #
Target Compounds							
3)	L1 AR-1016-1	5.732	4.943	962976	8302795	13.830	145.032 #
4)	L1 AR-1016-2	5.752	4.943	3678821	8302795	35.714	104.197 #
5)	L1 AR-1016-3	5.822	5.123	146988	1793164	2.347	43.229 #
6)	L1 AR-1016-4	5.916	5.161	1076278	1437676	21.295	41.959 #
7)	L1 AR-1016-5	6.204	5.378	2113506	4973398	41.014	108.849 #
8)	L2 AR-1221-1	4.846	4.079	63344	73523	2.667	3.978 #
9)	L2 AR-1221-2	4.867	4.162	187260	29558	11.375	2.235 #
10)	L2 AR-1221-3	4.970	4.239	40311	37867	0.703	0.828
11)	L3 AR-1232-1	4.970	4.239	40311	37867	0.908	1.094
12)	L3 AR-1232-2	5.489	4.995	2043415	268549	86.516	7.142 #
13)	L3 AR-1232-3	5.752	5.157	3678821	1111288	76.947	56.739 #
14)	L3 AR-1232-4	5.951	5.236	110200	146227	4.627	8.520 #
15)	L3 AR-1232-5	6.049	5.420	5163986	4603232	289.556	236.062
16)	L4 AR-1242-1	5.752	4.943	3678821	8302795	61.646	170.635 #
17)	L4 AR-1242-2	5.752	4.995	3678821	268549	42.359	3.979 #
18)	L4 AR-1242-3	5.838	5.157	31062	1111288	0.594	30.338 #
19)	L4 AR-1242-4	5.951	5.236	110200	146227	2.555	3.970 #
20)	L4 AR-1242-5	6.683	5.768	1979006	2388526	40.144	49.720
21)	L5 AR-1248-1	5.752	4.943	3678821	8302795	74.166	202.607 #
22)	L5 AR-1248-2	6.049	5.184	5163986	69767	70.208	1.270 #
23)	L5 AR-1248-3	6.240	5.236	120885	146227	1.479	2.611 #
24)	L5 AR-1248-4	6.648	5.397	17609080	210644	187.988	3.054 #
25)	L5 AR-1248-5	6.683	5.800	1979006	577738	22.284	8.358 #
26)	L6 AR-1254-1	6.609	5.768	13778020	2388526	139.029	21.201 #
27)	L6 AR-1254-2	6.849	5.895	4349440	227915	27.831	2.308 #
28)	L6 AR-1254-3	7.230	6.298	33358459	3109537	196.591	18.711 #
29)	L6 AR-1254-4	7.483	6.535	4487406	541507	36.343	5.090 #
30)	L6 AR-1254-5	7.904	6.953	726310	1753273	5.487	11.936 #
31)	L7 AR-1260-1	7.338	6.418	2633133	2804069	24.619	29.855
32)	L7 AR-1260-2	7.600	6.594	187303	9248173	1.483	79.376 #
33)	L7 AR-1260-3	7.960	6.758	458309	2246024	5.884	20.827 #
34)	L7 AR-1260-4	8.193	7.176	2654362	10506254	26.222	136.677 #
35)	L7 AR-1260-5	8.513	7.458	15297	5456858	0.081	28.404 #
36)	L8 AR-1262-1	7.980	6.996	1272853	1976085	9.443	15.376 #
37)	L8 AR-1262-2	8.513	7.458	15297	5456858	0.062	22.781 #
38)	L8 AR-1262-3	8.868	7.768	-391240	2680173	N.D.	28.773 #
39)	L8 AR-1262-4	8.973	7.838	13350576	12154735	195.896	69.817 #
40)	L8 AR-1262-5	9.608	8.340	8215319	162148	93.900	2.009 #
41)	L9 AR-1268-1	8.868	7.768	-391240	2680173	N.D.	7.839 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ110118\
 Data File : PQ033980.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Oct 2018 20:34
 Operator : SM\SJ
 Sample : J5657-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 01 02:41:55 2018
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100918CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 30 17:29:03 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.973	7.838	13350576	12154735	40.058	39.333
43) L9	AR-1268-3	9.218	8.090	2545945	26656958	9.034	104.196 #
44) L9	AR-1268-4	9.608	8.340	8215319	162148	67.997	1.470 #
45) L9	AR-1268-5	10.067	8.678	497397	129786	0.538	0.155 #

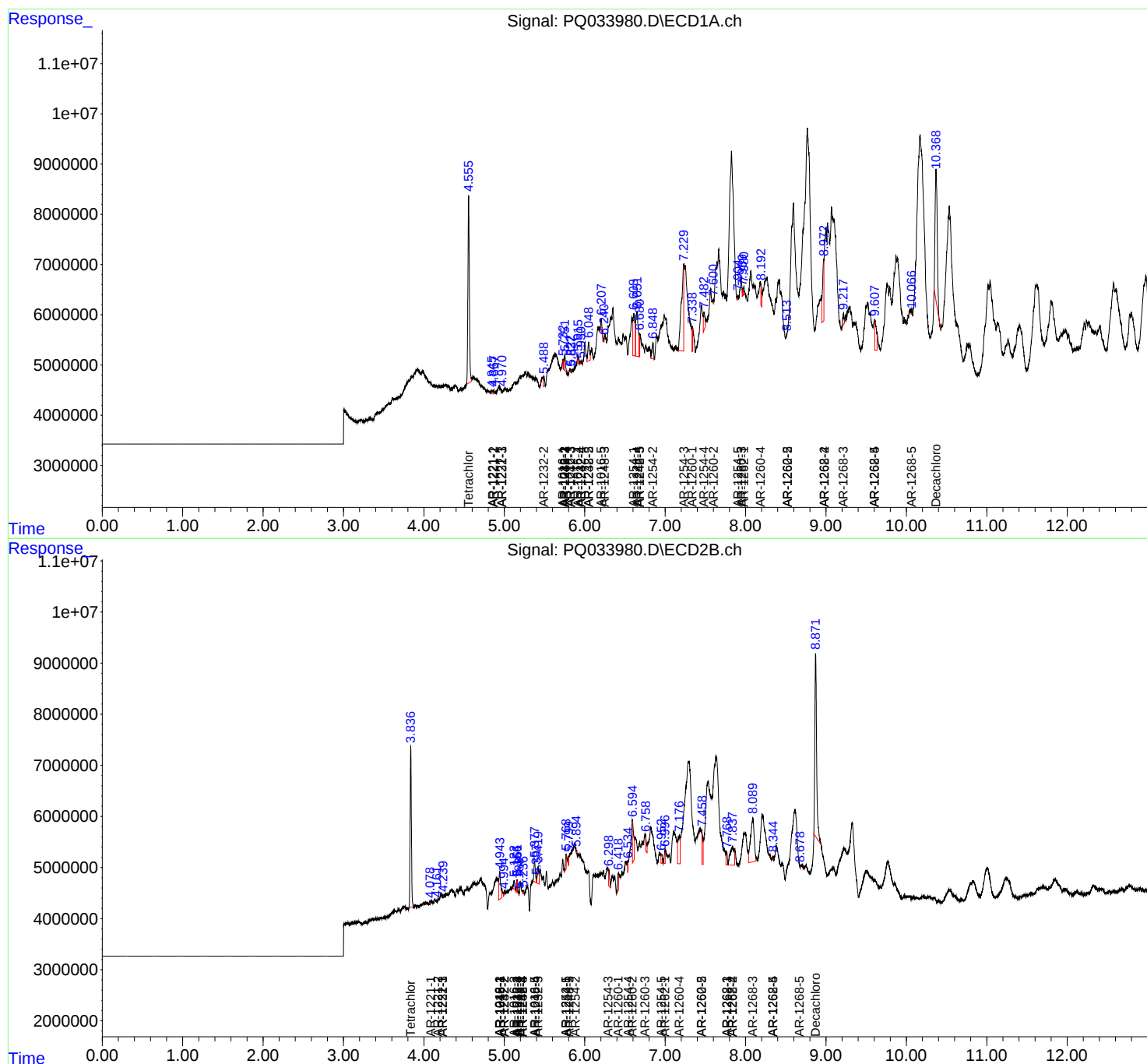
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

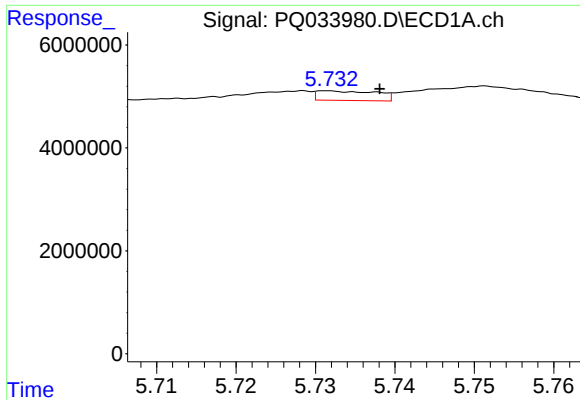
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ110118\
Data File : PQ033980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2018 20:34
Operator : SM\SJ
Sample : J5657-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampled :

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 02:41:55 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100918CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 30 17:29:03 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

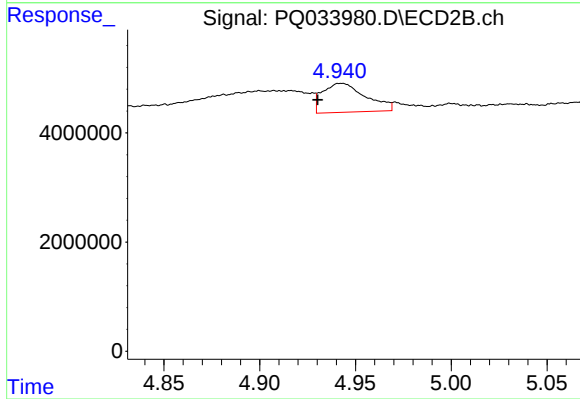




#3 AR-1016-1

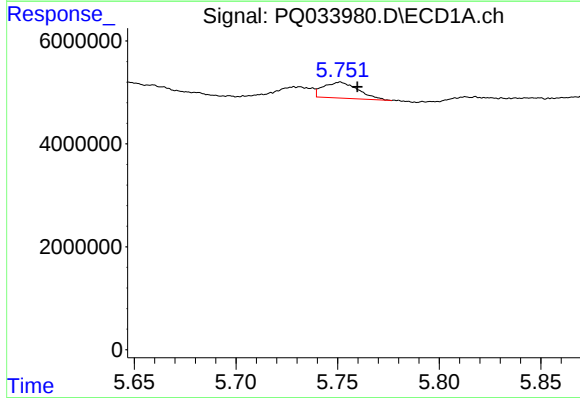
R.T.: 5.732 min
Delta R.T.: -0.006 min
Response: 962976
Conc: 13.83 ng/ml

Instrument :
ECD_Q
ClientSampleId :



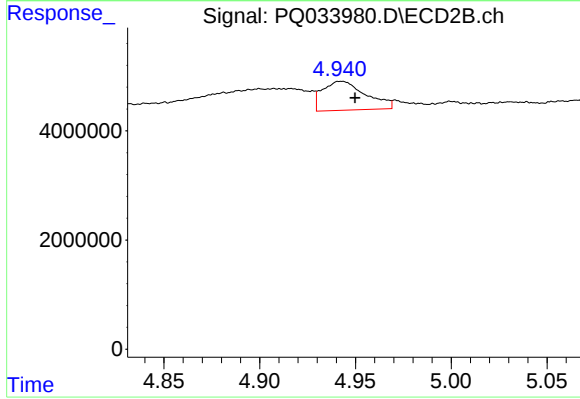
#3 AR-1016-1

R.T.: 4.943 min
Delta R.T.: 0.013 min
Response: 8302795
Conc: 145.03 ng/ml



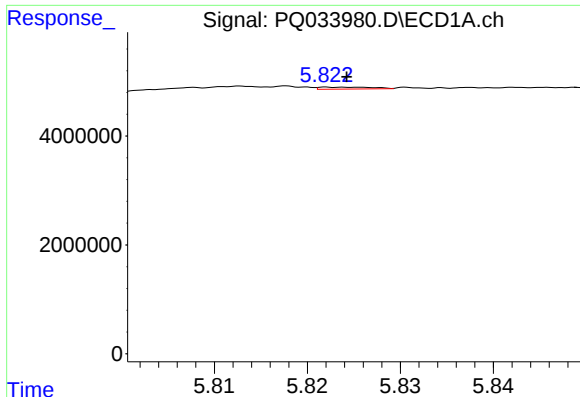
#4 AR-1016-2

R.T.: 5.752 min
Delta R.T.: -0.008 min
Response: 3678821
Conc: 35.71 ng/ml



#4 AR-1016-2

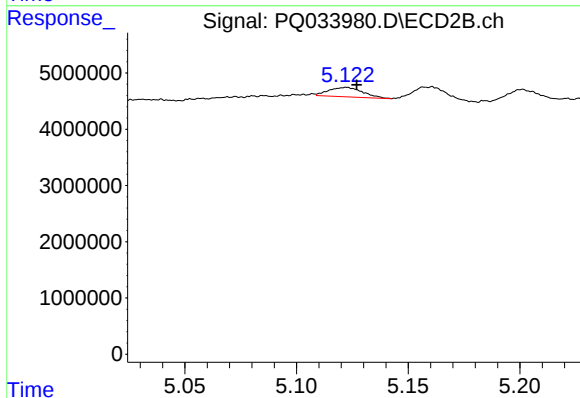
R.T.: 4.943 min
Delta R.T.: -0.007 min
Response: 8302795
Conc: 104.20 ng/ml



#5 AR-1016-3

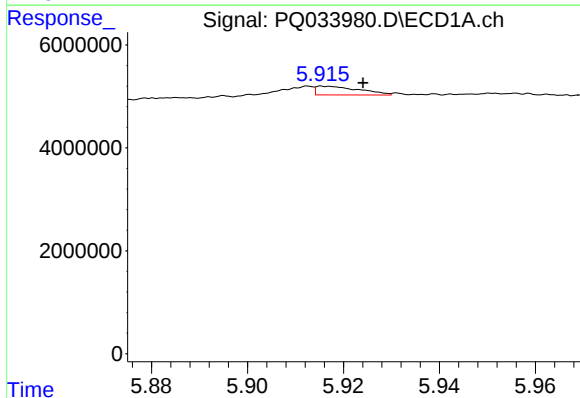
R.T.: 5.822 min
Delta R.T.: -0.002 min
Response: 146988
Conc: 2.35 ng/ml

Instrument :
ECD_Q
ClientSampleId :



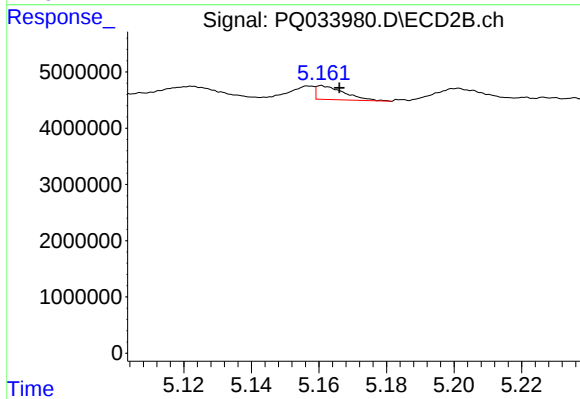
#5 AR-1016-3

R.T.: 5.123 min
Delta R.T.: -0.004 min
Response: 1793164
Conc: 43.23 ng/ml



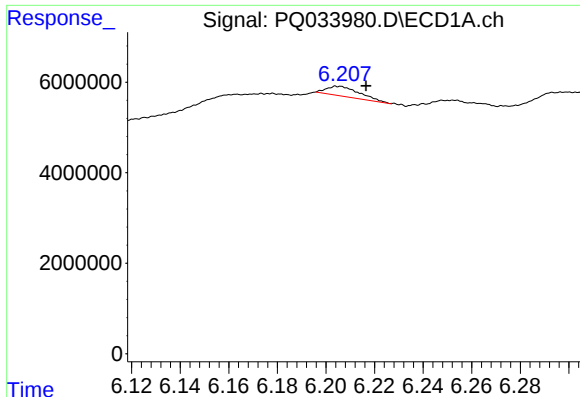
#6 AR-1016-4

R.T.: 5.916 min
Delta R.T.: -0.008 min
Response: 1076278
Conc: 21.29 ng/ml



#6 AR-1016-4

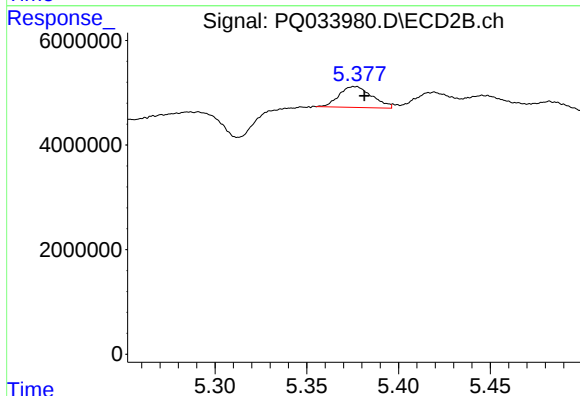
R.T.: 5.161 min
Delta R.T.: -0.005 min
Response: 1437676
Conc: 41.96 ng/ml



#7 AR-1016-5

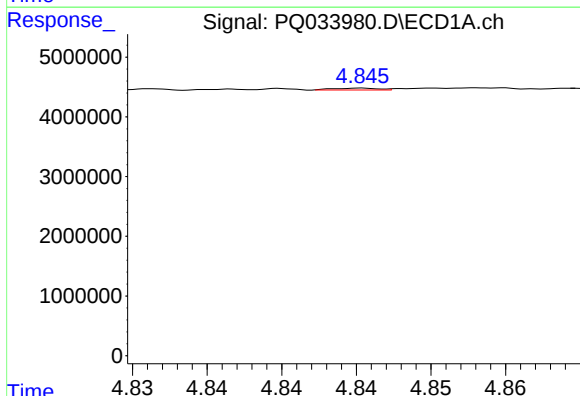
R.T.: 6.204 min
Delta R.T.: -0.012 min
Response: 2113506
Conc: 41.01 ng/ml

Instrument :
ECD_Q
ClientSampleId :



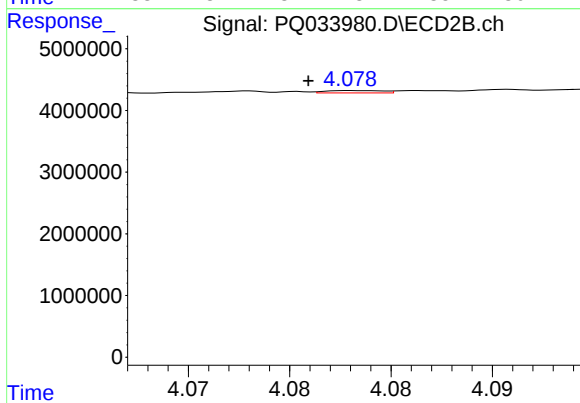
#7 AR-1016-5

R.T.: 5.378 min
Delta R.T.: -0.004 min
Response: 4973398
Conc: 108.85 ng/ml



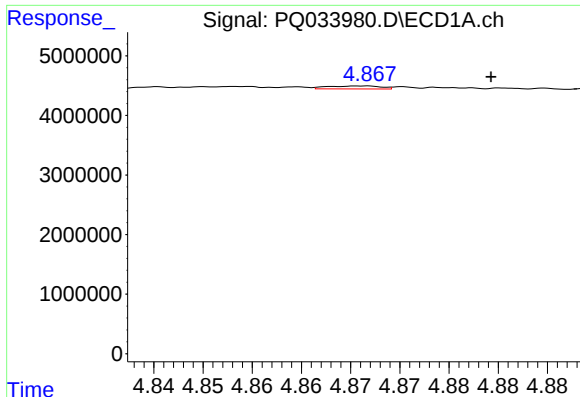
#8 AR-1221-1

R.T.: 4.846 min
Delta R.T.: 0.053 min
Response: 63344
Conc: 2.67 ng/ml



#8 AR-1221-1

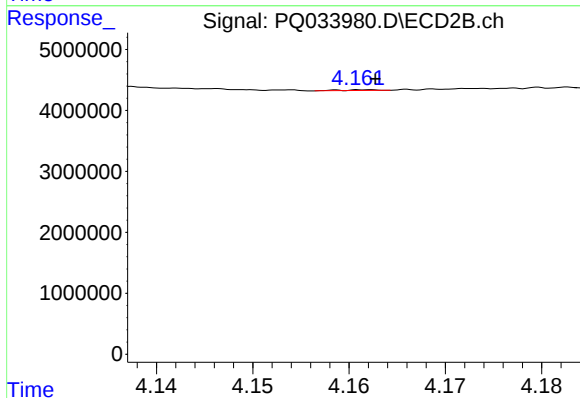
R.T.: 4.079 min
Delta R.T.: 0.003 min
Response: 73523
Conc: 3.98 ng/ml



#9 AR-1221-2

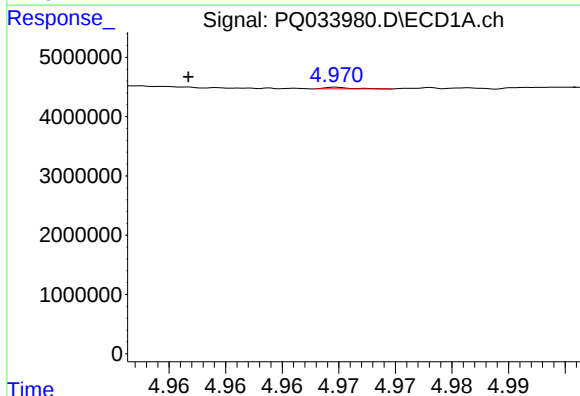
R.T.: 4.867 min
Delta R.T.: -0.013 min
Response: 187260
Conc: 11.37 ng/ml

Instrument :
ECD_Q
ClientSampleId :



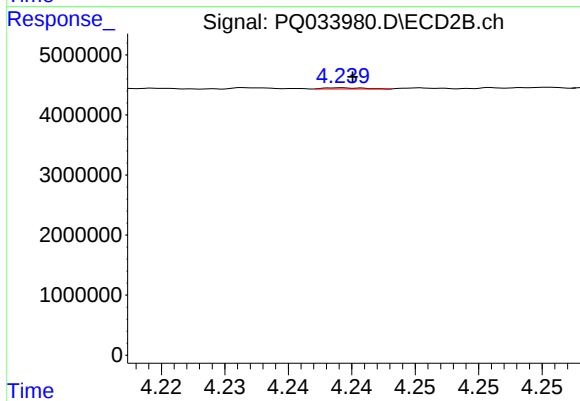
#9 AR-1221-2

R.T.: 4.162 min
Delta R.T.: 0.000 min
Response: 29558
Conc: 2.23 ng/ml



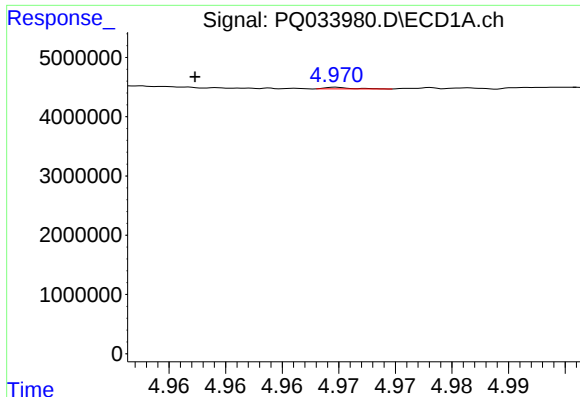
#10 AR-1221-3

R.T.: 4.970 min
Delta R.T.: 0.013 min
Response: 40311
Conc: 0.70 ng/ml



#10 AR-1221-3

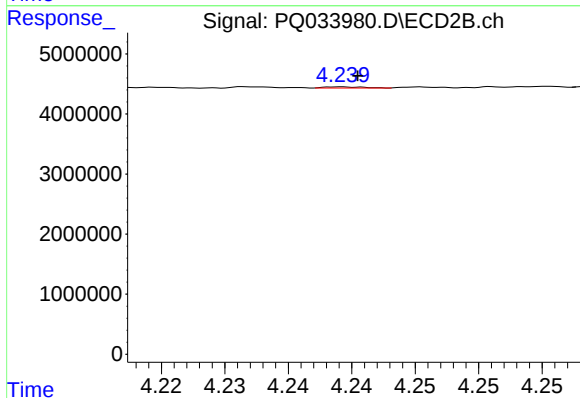
R.T.: 4.239 min
Delta R.T.: 0.000 min
Response: 37867
Conc: 0.83 ng/ml



#11 AR-1232-1

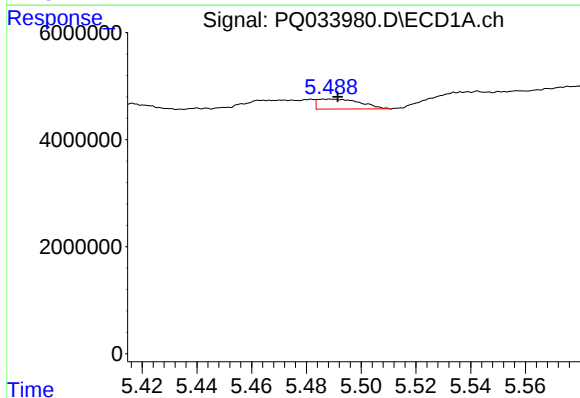
R.T.: 4.970 min
Delta R.T.: 0.013 min
Response: 40311
Conc: 0.91 ng/ml

Instrument :
ECD_Q
ClientSampleId :



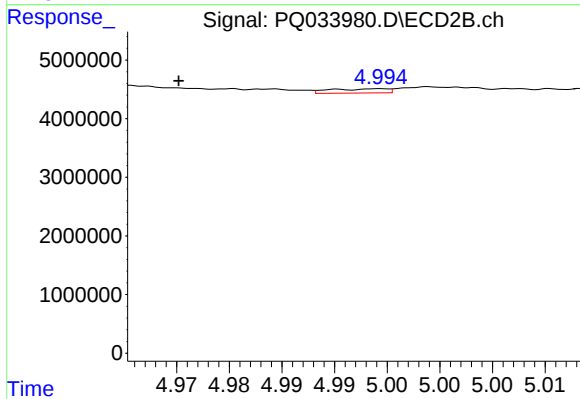
#11 AR-1232-1

R.T.: 4.239 min
Delta R.T.: -0.001 min
Response: 37867
Conc: 1.09 ng/ml



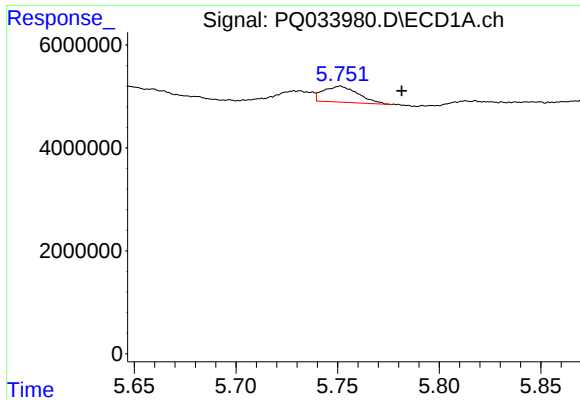
#12 AR-1232-2

R.T.: 5.489 min
Delta R.T.: -0.003 min
Response: 2043415
Conc: 86.52 ng/ml



#12 AR-1232-2

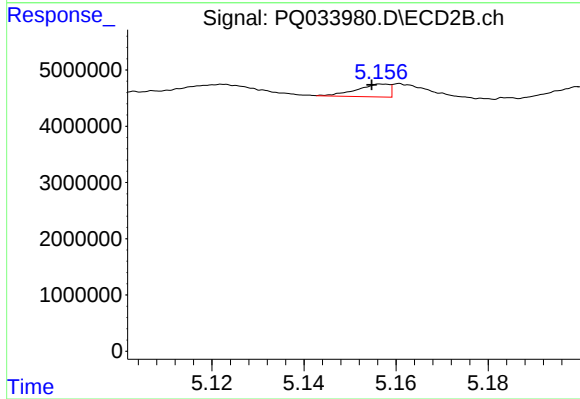
R.T.: 4.995 min
Delta R.T.: 0.019 min
Response: 268549
Conc: 7.14 ng/ml



#13 AR-1232-3

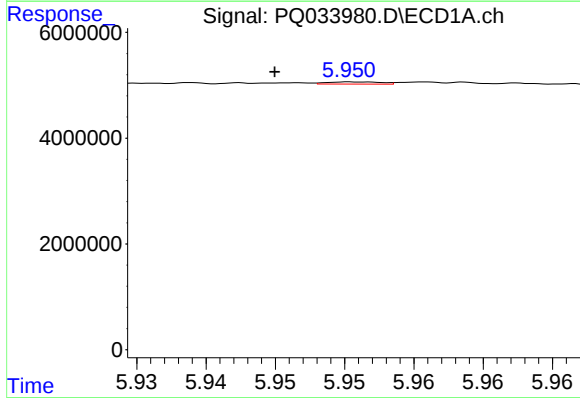
R.T.: 5.752 min
Delta R.T.: -0.030 min
Response: 3678821
Conc: 76.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :



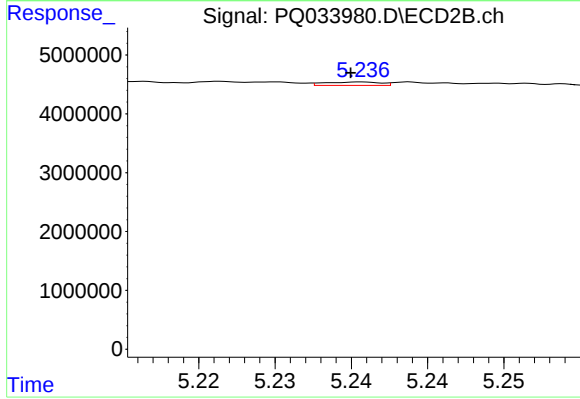
#13 AR-1232-3

R.T.: 5.157 min
Delta R.T.: 0.002 min
Response: 1111288
Conc: 56.74 ng/ml



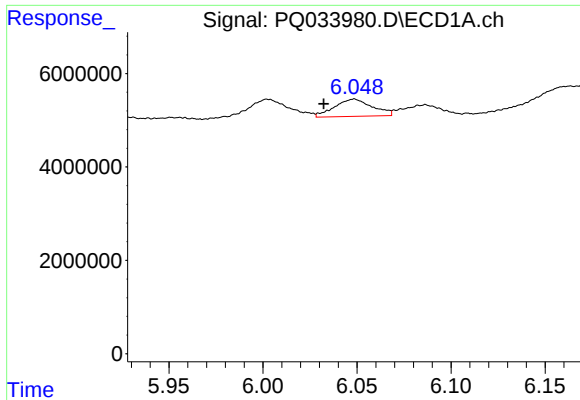
#14 AR-1232-4

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 110200
Conc: 4.63 ng/ml



#14 AR-1232-4

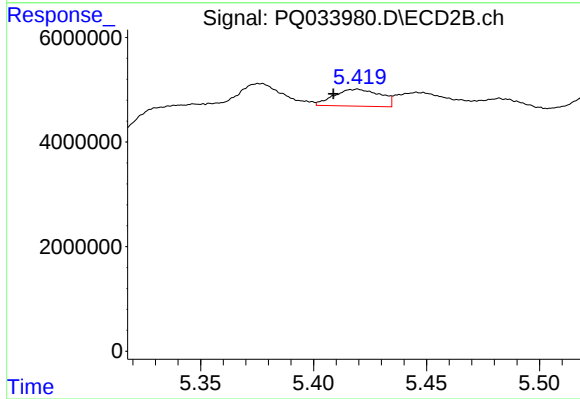
R.T.: 5.236 min
Delta R.T.: 0.000 min
Response: 146227
Conc: 8.52 ng/ml



#15 AR-1232-5

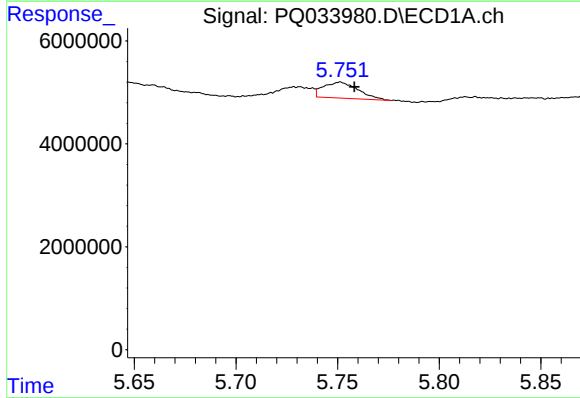
R.T.: 6.049 min
Delta R.T.: 0.017 min
Response: 5163986
Conc: 289.56 ng/ml

Instrument :
ECD_Q
ClientSampleId :



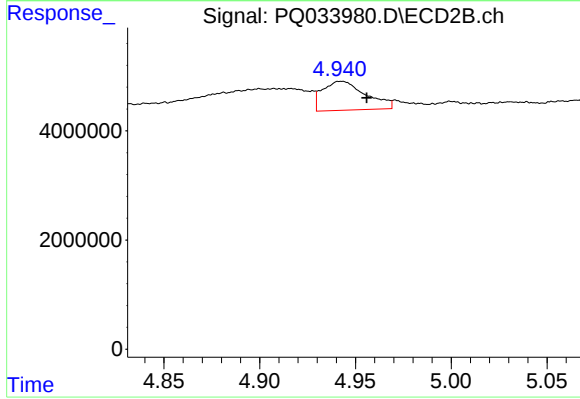
#15 AR-1232-5

R.T.: 5.420 min
Delta R.T.: 0.011 min
Response: 4603232
Conc: 236.06 ng/ml



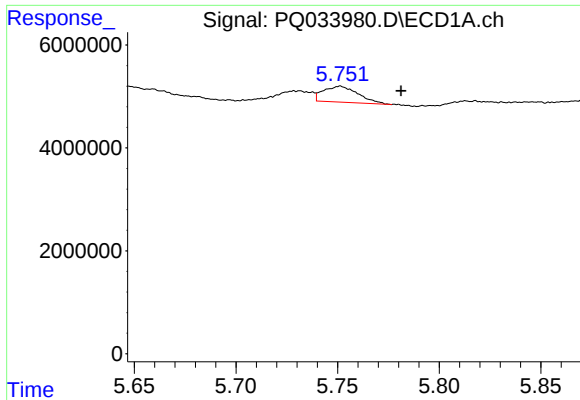
#16 AR-1242-1

R.T.: 5.752 min
Delta R.T.: -0.007 min
Response: 3678821
Conc: 61.65 ng/ml



#16 AR-1242-1

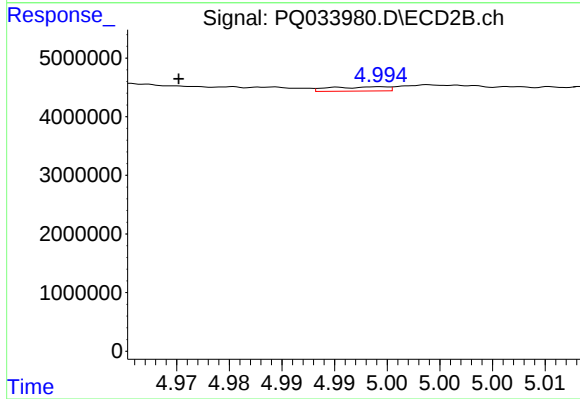
R.T.: 4.943 min
Delta R.T.: -0.013 min
Response: 8302795
Conc: 170.63 ng/ml



#17 AR-1242-2

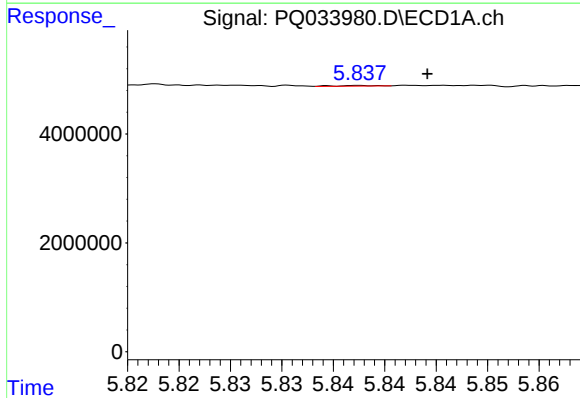
R.T.: 5.752 min
Delta R.T.: -0.030 min
Response: 3678821
Conc: 42.36 ng/ml

Instrument :
ECD_Q
ClientSampleId :



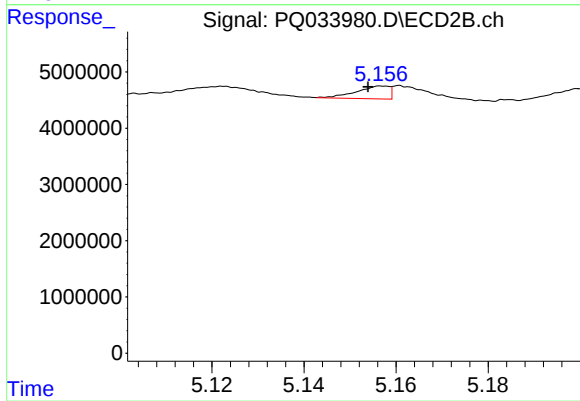
#17 AR-1242-2

R.T.: 4.995 min
Delta R.T.: 0.019 min
Response: 268549
Conc: 3.98 ng/ml



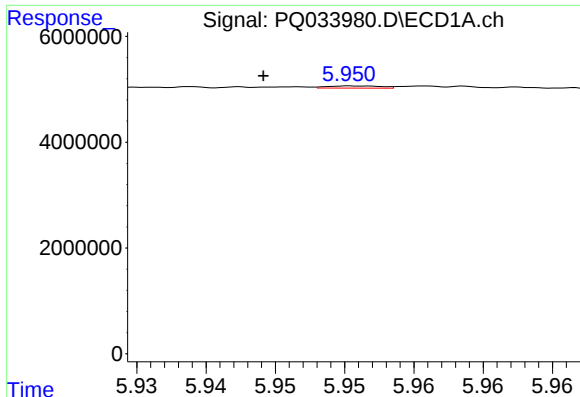
#18 AR-1242-3

R.T.: 5.838 min
Delta R.T.: -0.007 min
Response: 31062
Conc: 0.59 ng/ml



#18 AR-1242-3

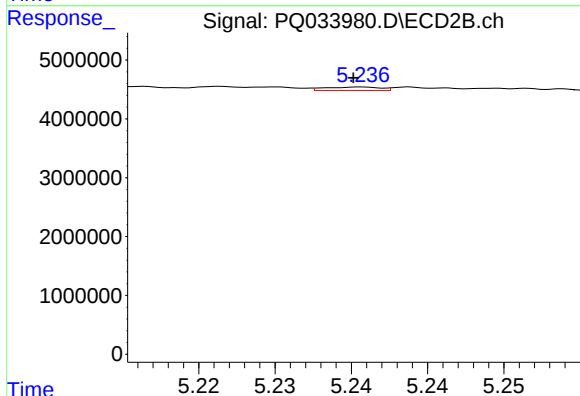
R.T.: 5.157 min
Delta R.T.: 0.003 min
Response: 1111288
Conc: 30.34 ng/ml



#19 AR-1242-4

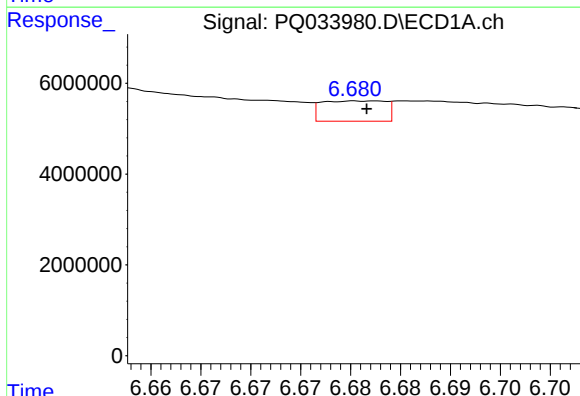
R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 110200
Conc: 2.56 ng/ml

Instrument :
ECD_Q
ClientSampleId :



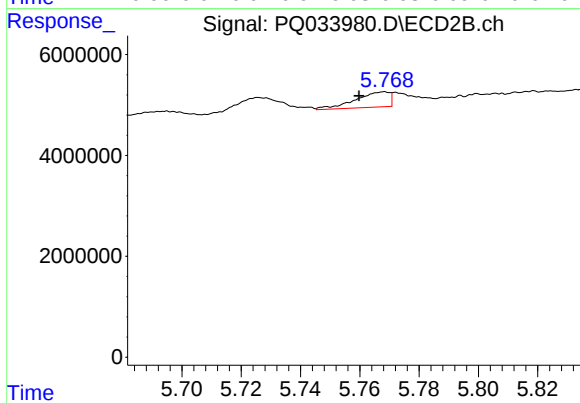
#19 AR-1242-4

R.T.: 5.236 min
Delta R.T.: 0.000 min
Response: 146227
Conc: 3.97 ng/ml



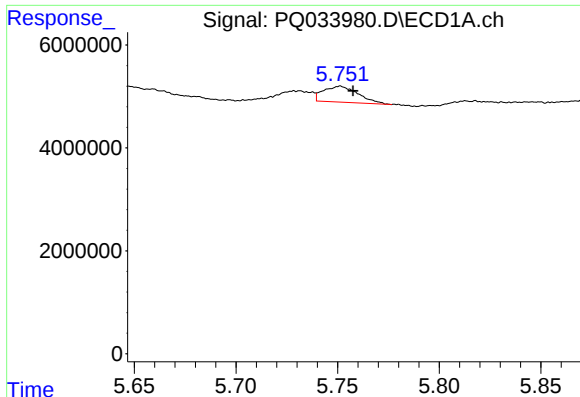
#20 AR-1242-5

R.T.: 6.683 min
Delta R.T.: 0.001 min
Response: 1979006
Conc: 40.14 ng/ml



#20 AR-1242-5

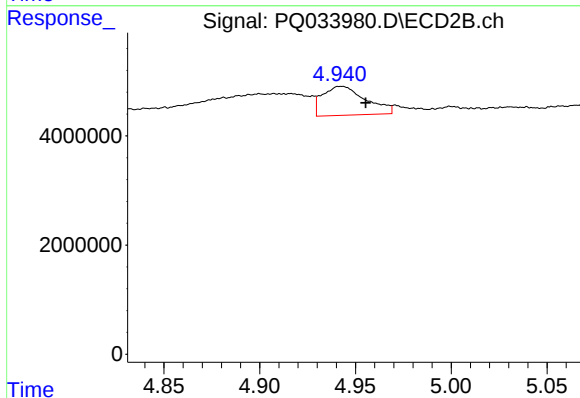
R.T.: 5.768 min
Delta R.T.: 0.009 min
Response: 2388526
Conc: 49.72 ng/ml



#21 AR-1248-1

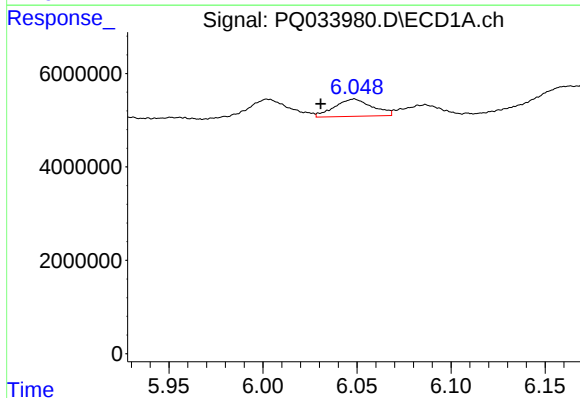
R.T.: 5.752 min
Delta R.T.: -0.006 min
Response: 3678821
Conc: 74.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :



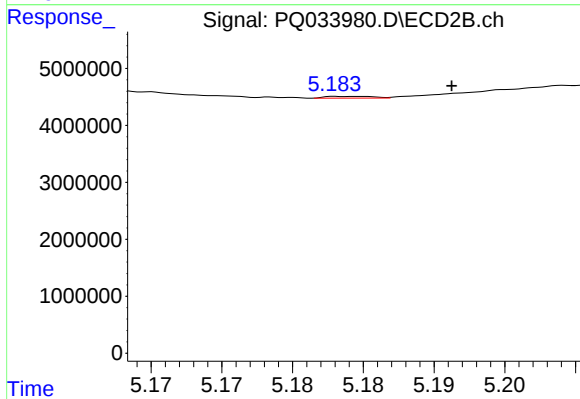
#21 AR-1248-1

R.T.: 4.943 min
Delta R.T.: -0.012 min
Response: 8302795
Conc: 202.61 ng/ml



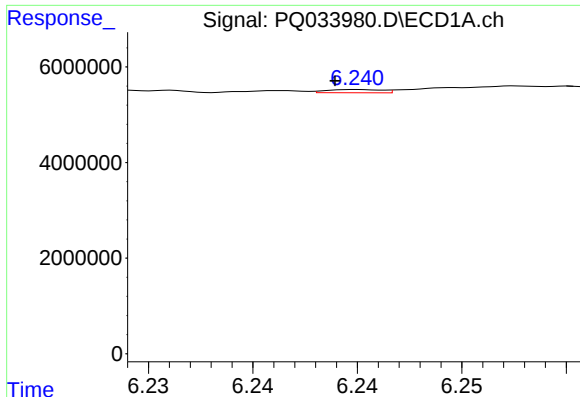
#22 AR-1248-2

R.T.: 6.049 min
Delta R.T.: 0.018 min
Response: 5163986
Conc: 70.21 ng/ml



#22 AR-1248-2

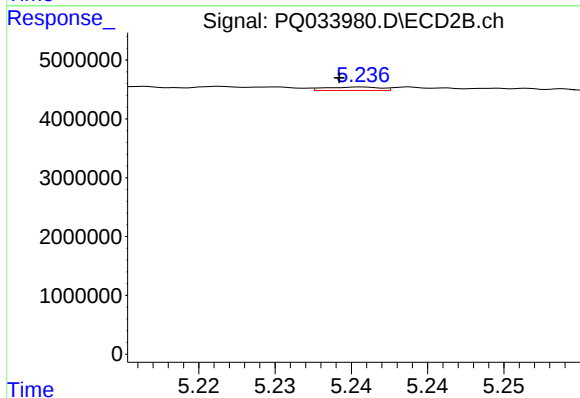
R.T.: 5.184 min
Delta R.T.: -0.008 min
Response: 69767
Conc: 1.27 ng/ml



#23 AR-1248-3

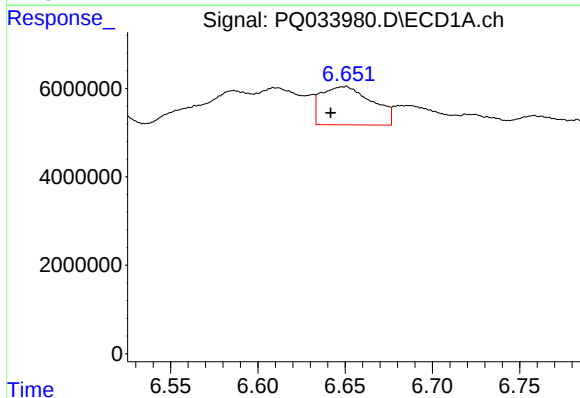
R.T.: 6.240 min
Delta R.T.: 0.001 min
Response: 120885
Conc: 1.48 ng/ml

Instrument :
ECD_Q
ClientSampleId :



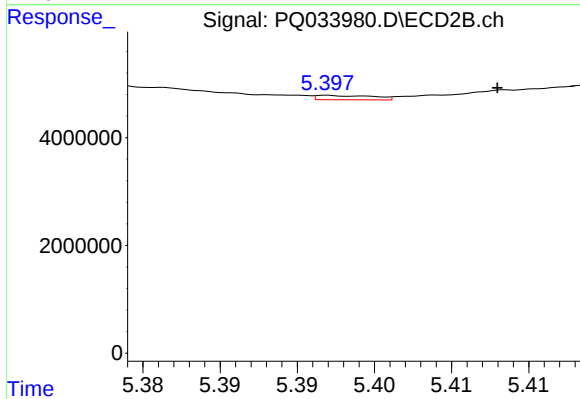
#23 AR-1248-3

R.T.: 5.236 min
Delta R.T.: 0.002 min
Response: 146227
Conc: 2.61 ng/ml



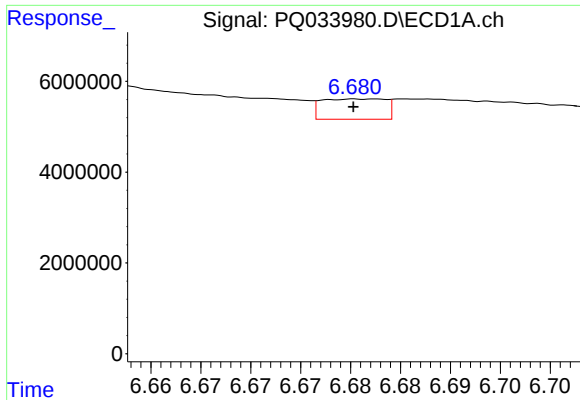
#24 AR-1248-4

R.T.: 6.648 min
Delta R.T.: 0.007 min
Response: 17609080
Conc: 187.99 ng/ml



#24 AR-1248-4

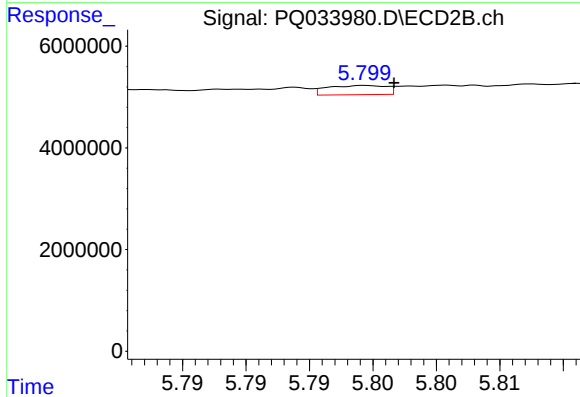
R.T.: 5.397 min
Delta R.T.: -0.011 min
Response: 210644
Conc: 3.05 ng/ml



#25 AR-1248-5

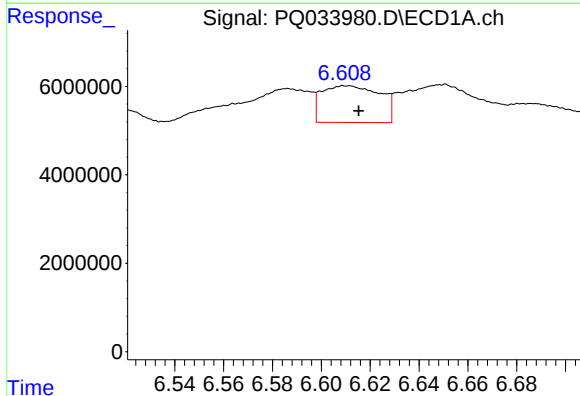
R.T.: 6.683 min
Delta R.T.: 0.002 min
Response: 1979006
Conc: 22.28 ng/ml

Instrument :
ECD_Q
ClientSampleId :



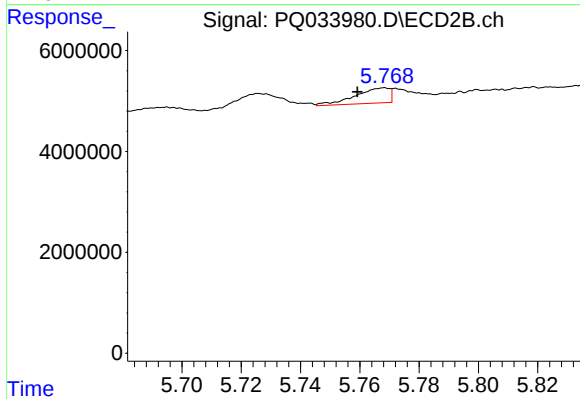
#25 AR-1248-5

R.T.: 5.800 min
Delta R.T.: -0.002 min
Response: 577738
Conc: 8.36 ng/ml



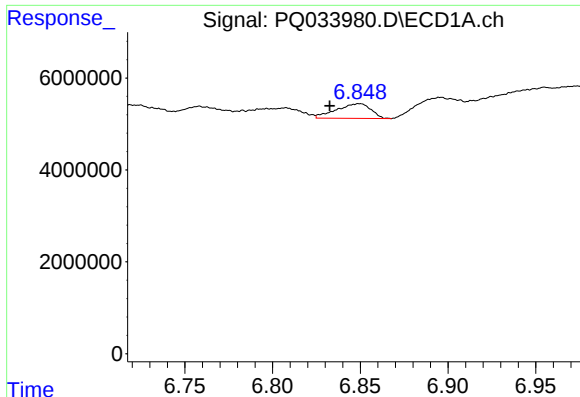
#26 AR-1254-1

R.T.: 6.609 min
Delta R.T.: -0.006 min
Response: 13778020
Conc: 139.03 ng/ml



#26 AR-1254-1

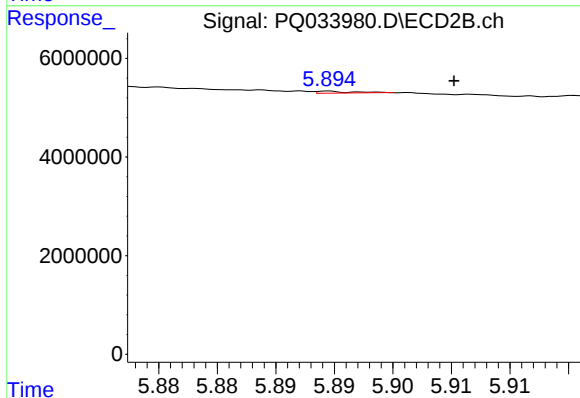
R.T.: 5.768 min
Delta R.T.: 0.009 min
Response: 2388526
Conc: 21.20 ng/ml



#27 AR-1254-2

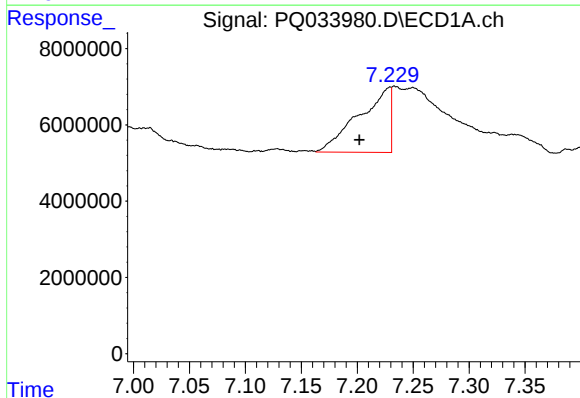
R.T.: 6.849 min
Delta R.T.: 0.016 min
Response: 4349440
Conc: 27.83 ng/ml

Instrument :
ECD_Q
ClientSampleId :



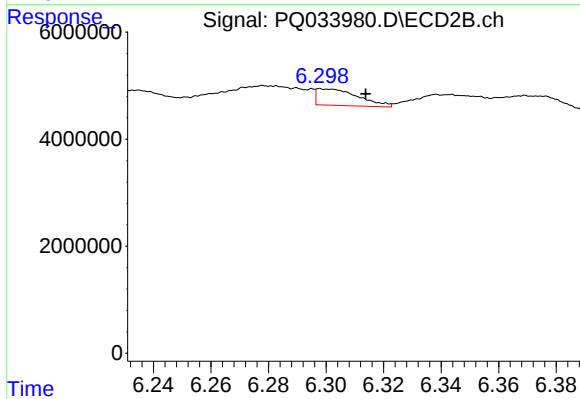
#27 AR-1254-2

R.T.: 5.895 min
Delta R.T.: -0.011 min
Response: 227915
Conc: 2.31 ng/ml



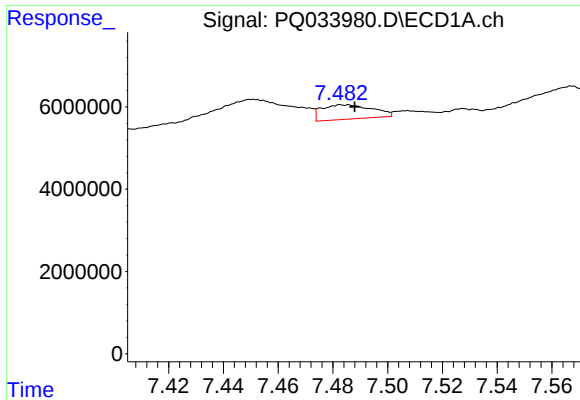
#28 AR-1254-3

R.T.: 7.230 min
Delta R.T.: 0.028 min
Response: 33358459
Conc: 196.59 ng/ml



#28 AR-1254-3

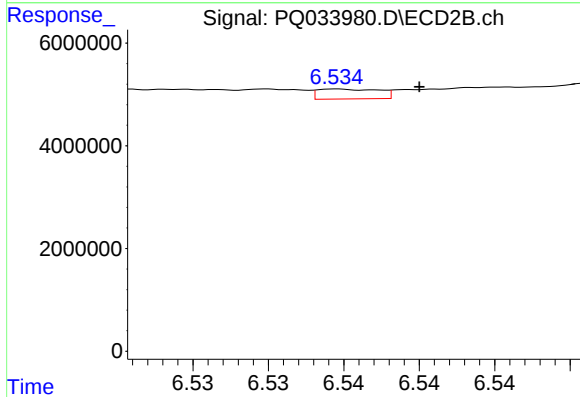
R.T.: 6.298 min
Delta R.T.: -0.016 min
Response: 3109537
Conc: 18.71 ng/ml



#29 AR-1254-4

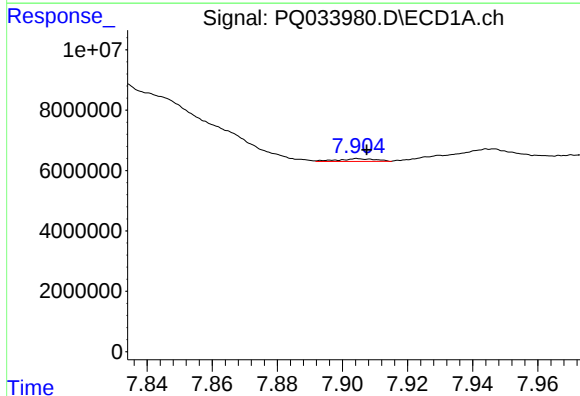
R.T.: 7.483 min
Delta R.T.: -0.005 min
Response: 4487406
Conc: 36.34 ng/ml

Instrument :
ECD_Q
ClientSampleId :



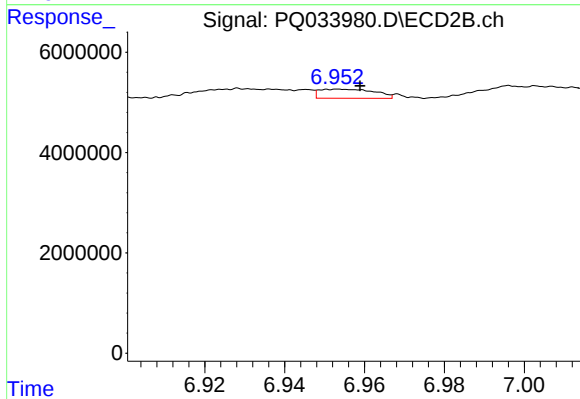
#29 AR-1254-4

R.T.: 6.535 min
Delta R.T.: -0.005 min
Response: 541507
Conc: 5.09 ng/ml



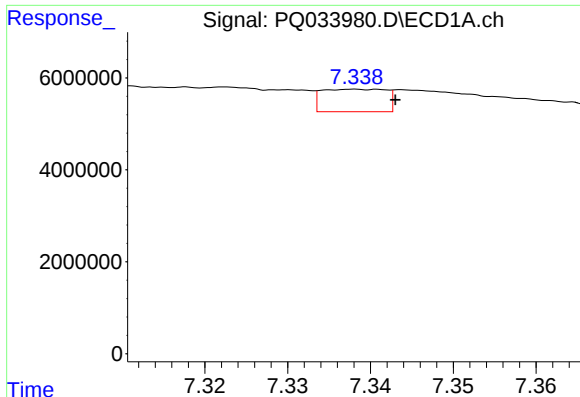
#30 AR-1254-5

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 726310
Conc: 5.49 ng/ml



#30 AR-1254-5

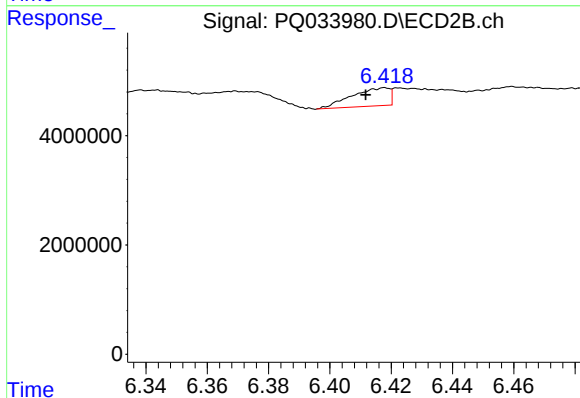
R.T.: 6.953 min
Delta R.T.: -0.005 min
Response: 1753273
Conc: 11.94 ng/ml



#31 AR-1260-1

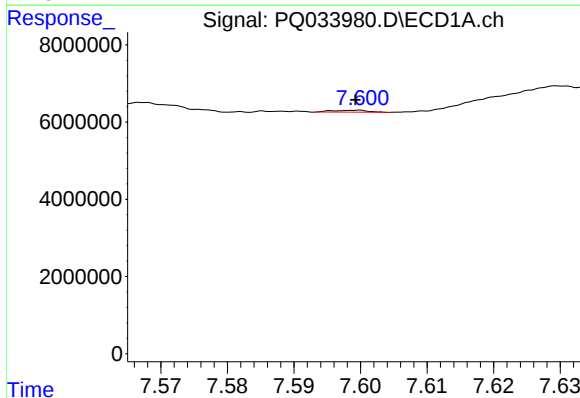
R.T.: 7.338 min
Delta R.T.: -0.005 min
Response: 2633133
Conc: 24.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :



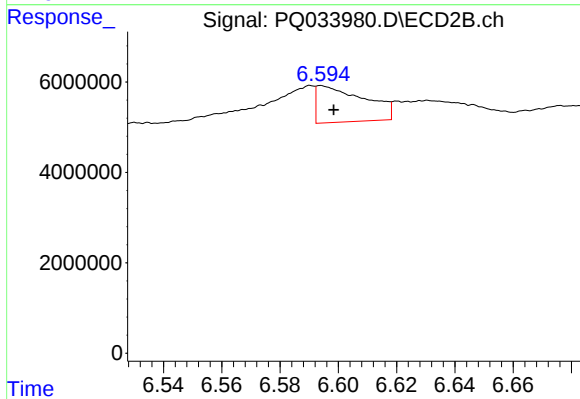
#31 AR-1260-1

R.T.: 6.418 min
Delta R.T.: 0.006 min
Response: 2804069
Conc: 29.85 ng/ml



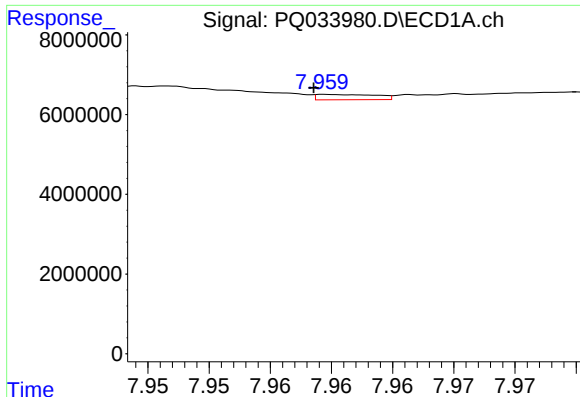
#32 AR-1260-2

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 187303
Conc: 1.48 ng/ml



#32 AR-1260-2

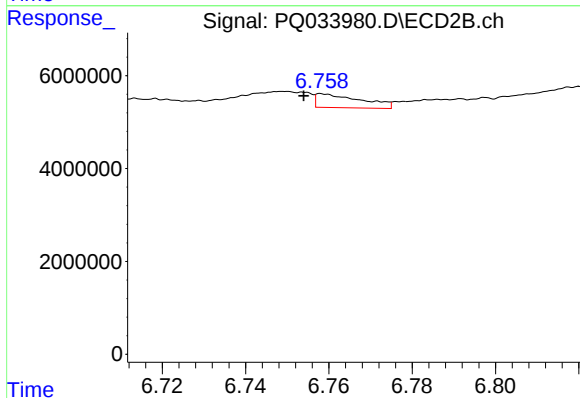
R.T.: 6.594 min
Delta R.T.: -0.004 min
Response: 9248173
Conc: 79.38 ng/ml



#33 AR-1260-3

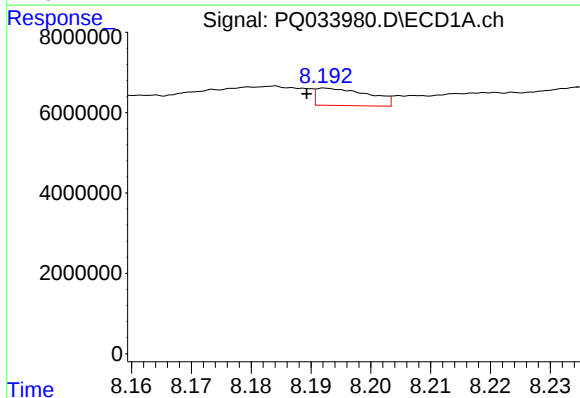
R.T.: 7.960 min
Delta R.T.: 0.001 min
Response: 458309
Conc: 5.88 ng/ml

Instrument :
ECD_Q
ClientSampleId :



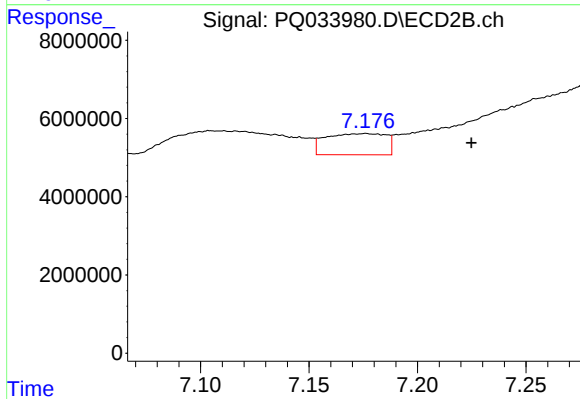
#33 AR-1260-3

R.T.: 6.758 min
Delta R.T.: 0.004 min
Response: 2246024
Conc: 20.83 ng/ml



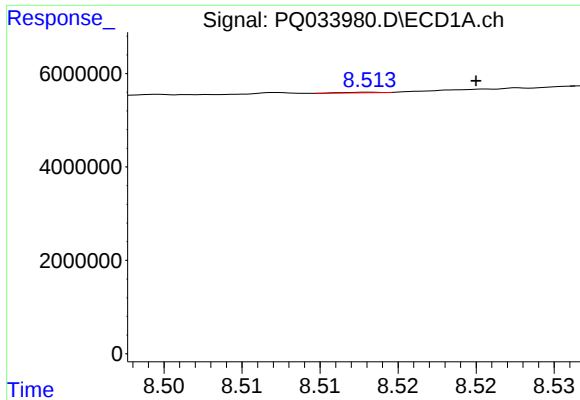
#34 AR-1260-4

R.T.: 8.193 min
Delta R.T.: 0.003 min
Response: 2654362
Conc: 26.22 ng/ml



#34 AR-1260-4

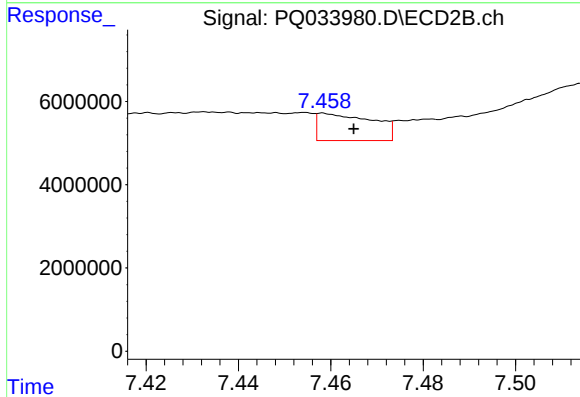
R.T.: 7.176 min
Delta R.T.: -0.048 min
Response: 10506254
Conc: 136.68 ng/ml



#35 AR-1260-5

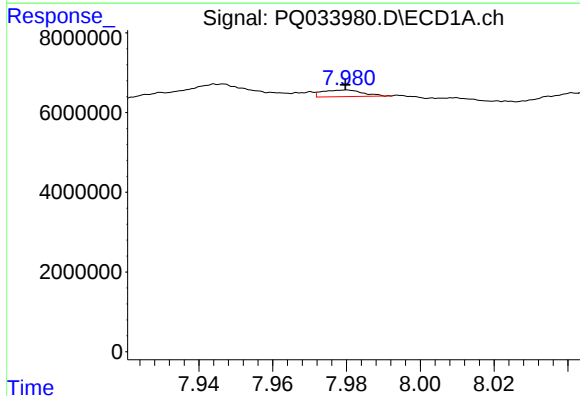
R.T.: 8.513 min
Delta R.T.: -0.007 min
Response: 15297
Conc: 0.08 ng/ml

Instrument :
ECD_Q
ClientSampleId :



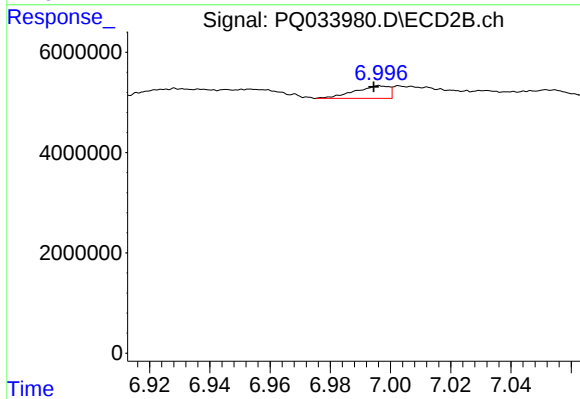
#35 AR-1260-5

R.T.: 7.458 min
Delta R.T.: -0.007 min
Response: 5456858
Conc: 28.40 ng/ml



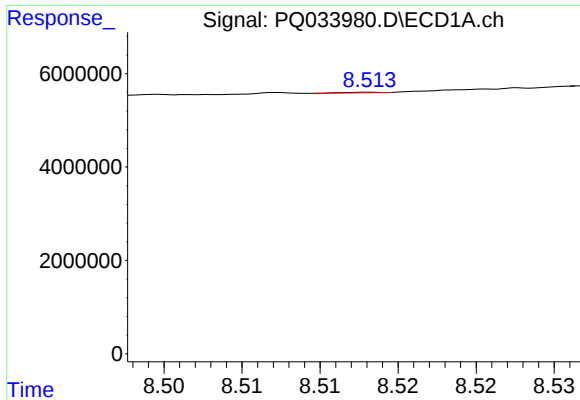
#36 AR-1262-1

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 1272853
Conc: 9.44 ng/ml



#36 AR-1262-1

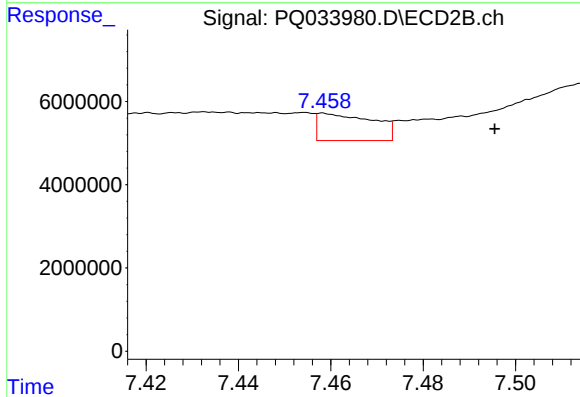
R.T.: 6.996 min
Delta R.T.: 0.002 min
Response: 1976085
Conc: 15.38 ng/ml



#37 AR-1262-2

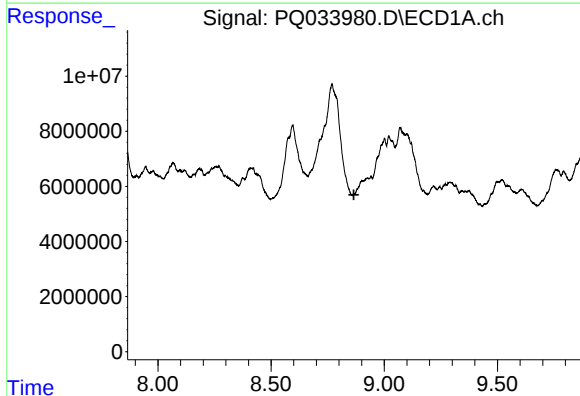
R.T.: 8.513 min
Delta R.T.: -0.031 min
Response: 15297
Conc: 0.06 ng/ml

Instrument :
ECD_Q
ClientSampleId :



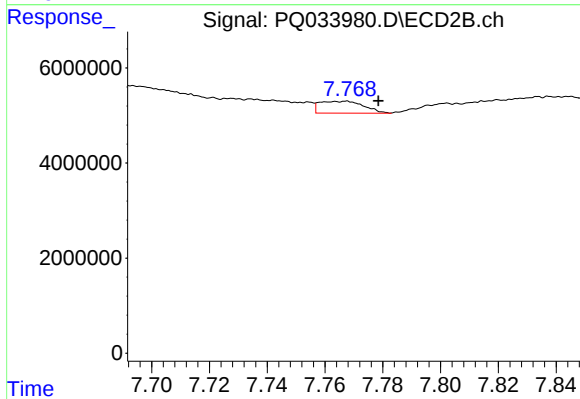
#37 AR-1262-2

R.T.: 7.458 min
Delta R.T.: -0.037 min
Response: 5456858
Conc: 22.78 ng/ml



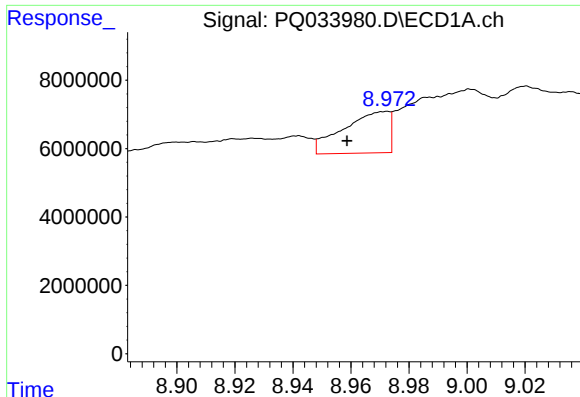
#38 AR-1262-3

R.T.: 8.868 min
Delta R.T.: 0.002 min
Response: -391240
Conc: N.D.



#38 AR-1262-3

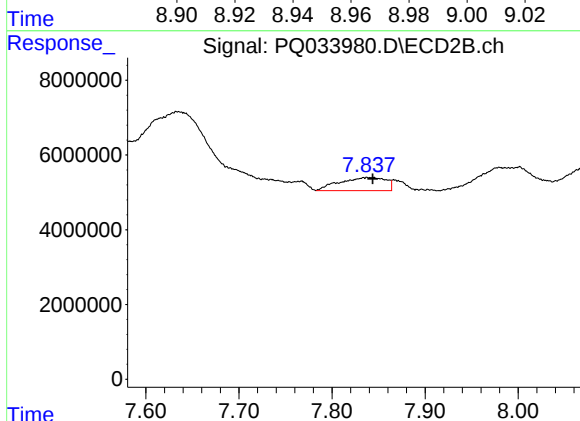
R.T.: 7.768 min
Delta R.T.: -0.011 min
Response: 2680173
Conc: 28.77 ng/ml



#39 AR-1262-4

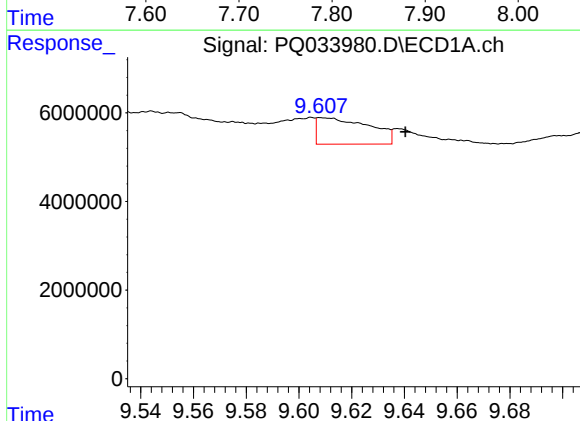
R.T.: 8.973 min
Delta R.T.: 0.014 min
Response: 13350576
Conc: 195.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :



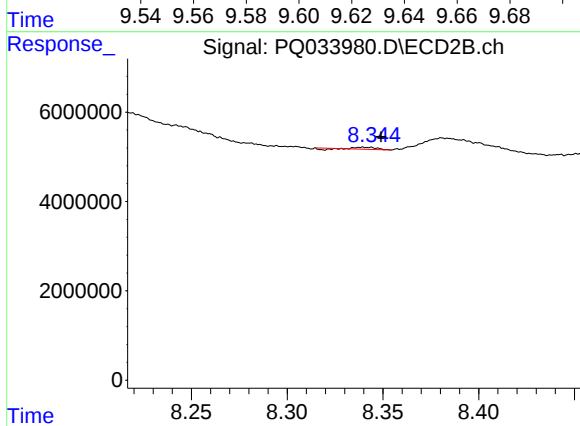
#39 AR-1262-4

R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 12154735
Conc: 69.82 ng/ml



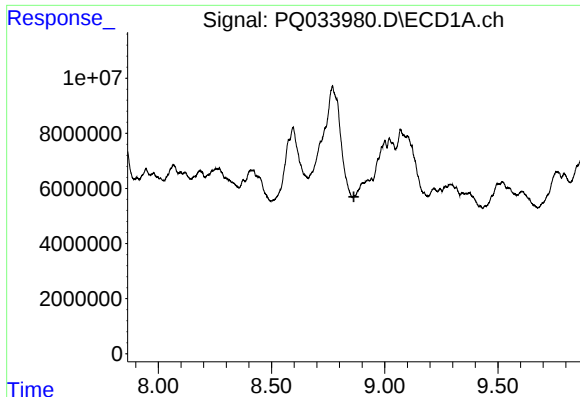
#40 AR-1262-5

R.T.: 9.608 min
Delta R.T.: -0.032 min
Response: 8215319
Conc: 93.90 ng/ml



#40 AR-1262-5

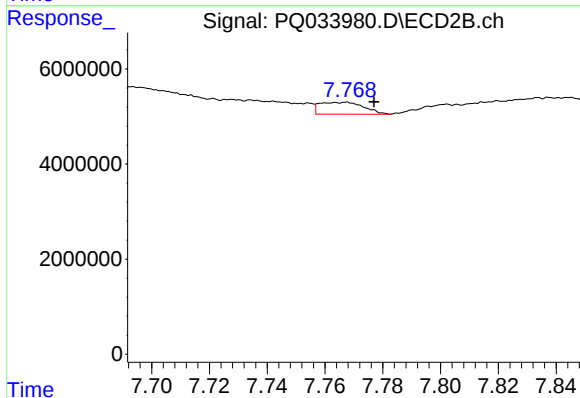
R.T.: 8.340 min
Delta R.T.: -0.009 min
Response: 162148
Conc: 2.01 ng/ml



#41 AR-1268-1

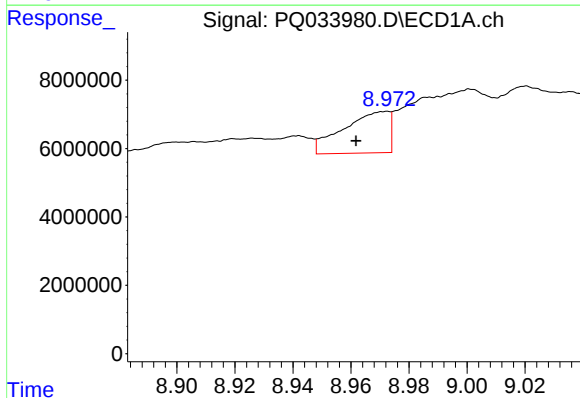
R.T.: 8.868 min
Delta R.T.: 0.004 min
Response: -391240
Conc: N.D.

Instrument :
ECD_Q
ClientSampleId :



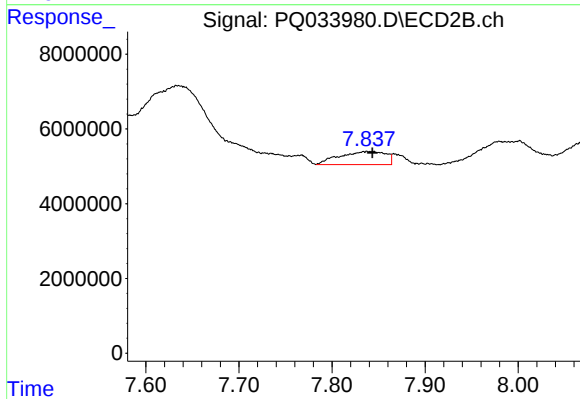
#41 AR-1268-1

R.T.: 7.768 min
Delta R.T.: -0.009 min
Response: 2680173
Conc: 7.84 ng/ml



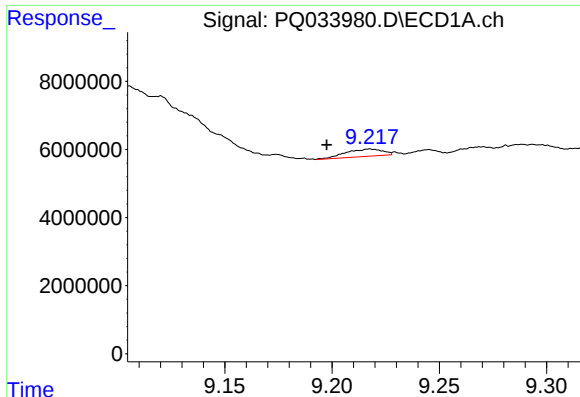
#42 AR-1268-2

R.T.: 8.973 min
Delta R.T.: 0.011 min
Response: 13350576
Conc: 40.06 ng/ml



#42 AR-1268-2

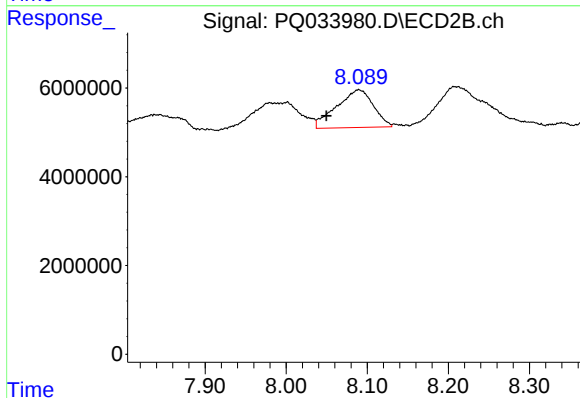
R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 12154735
Conc: 39.33 ng/ml



#43 AR-1268-3

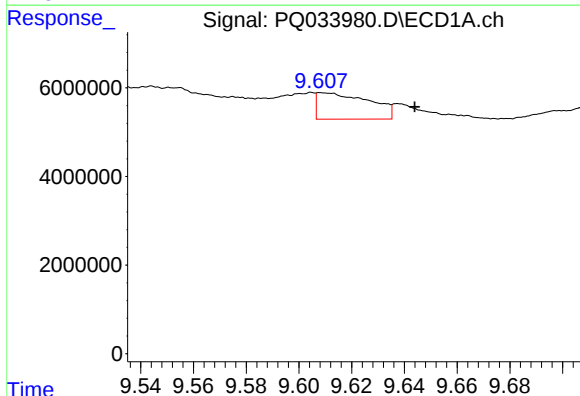
R.T.: 9.218 min
Delta R.T.: 0.020 min
Response: 2545945
Conc: 9.03 ng/ml

Instrument :
ECD_Q
ClientSampleId :



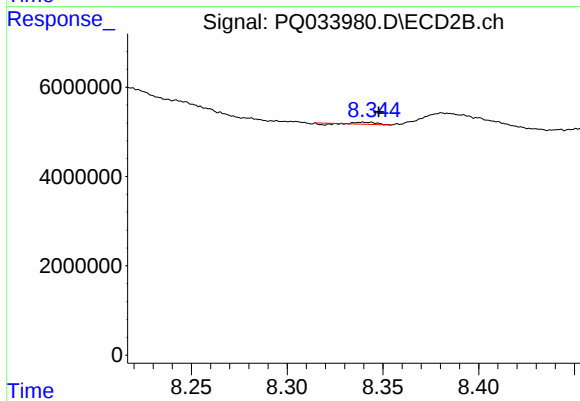
#43 AR-1268-3

R.T.: 8.090 min
Delta R.T.: 0.040 min
Response: 26656958
Conc: 104.20 ng/ml



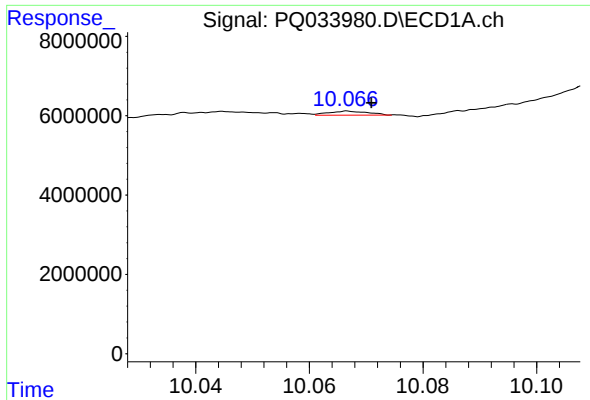
#44 AR-1268-4

R.T.: 9.608 min
Delta R.T.: -0.036 min
Response: 8215319
Conc: 68.00 ng/ml



#44 AR-1268-4

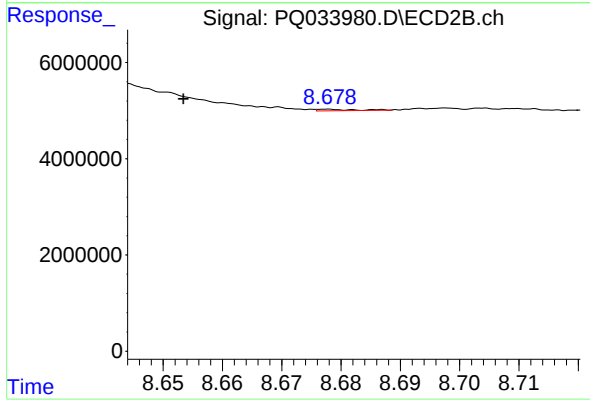
R.T.: 8.340 min
Delta R.T.: -0.008 min
Response: 162148
Conc: 1.47 ng/ml



#45 AR-1268-5

R.T.: 10.067 min
Delta R.T.: -0.004 min
Response: 497397
Conc: 0.54 ng/ml

Instrument :
ECD_Q
ClientSampleId :



#45 AR-1268-5

R.T.: 8.678 min
Delta R.T.: 0.024 min
Response: 129786
Conc: 0.16 ng/ml