

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ081023\
 Data File : PQ062966.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Aug 2023 20:13
 Operator : YP\AJ
 Sample : 03572-02
 Misc : AR1232 LOQ 50 PPB
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 01:17:50 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ080923.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Aug 10 11:15:56 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...	3.453	2.784	127.0E6	93527132	23.629	22.677
2) SA Decachlor...	8.686	7.595	106.3E6	110.3E6	27.447	25.508
Target Compounds						
3) L1 AR-1016-1	4.566	3.796	4890967	4167599	25.137	26.151
4) L1 AR-1016-2	4.584	3.813	7411528	5126695	26.710	23.993
5) L1 AR-1016-3	4.641	3.974	7538744	3436941	44.085	28.747 #
6) L1 AR-1016-4	4.737	4.025	3708248	2628656	26.350	27.092
7) L1 AR-1016-5	5.026	4.220	3755849	3342995	27.297	26.566
8) L2 AR-1221-1	3.656	2.990	3367395	2404711	49.487	43.824
9) L2 AR-1221-2	3.734	3.064	3907414	1024555	81.897	27.163 #
10) L2 AR-1221-3	3.806	3.135	8339155	5856627	54.035	48.674
11) L3 AR-1232-1	3.806	3.135	8339155	5856627	64.544	60.108
12) L3 AR-1232-2	4.304	3.813	3878882	5126695	55.616	52.704
13) L3 AR-1232-3	4.584	3.974	7411528	3436941	60.655	64.729
14) L3 AR-1232-4	4.737	4.060	3708248	2738653	61.457	59.668
15) L3 AR-1232-5	4.834	4.220	3105352	3342995	71.148	61.653
16) L4 AR-1242-1	4.566	3.796	4890967	4167599	28.979	28.858
17) L4 AR-1242-2	4.584	3.813	7411528	5126695	30.733	26.986
18) L4 AR-1242-3	4.641	3.974	7538744	3436941	51.466	31.844 #
19) L4 AR-1242-4	4.737	4.060	3708248	2738653	29.969	27.489
20) L4 AR-1242-5	5.458	4.560	4240838	4236144	32.089	31.331
21) L5 AR-1248-1	4.566	3.796	4890967	4167599	36.733	37.308
22) L5 AR-1248-2	4.834	4.025	3105352	2628656	17.770	16.646
23) L5 AR-1248-3	5.026	4.060	3755849	2738653	17.760	17.958
24) L5 AR-1248-4	5.423	4.220	3738715	3342995	15.692	17.580
25) L5 AR-1248-5	5.458	4.598	4240838	3941514	18.249	20.379
26) L6 AR-1254-1	5.394	4.560	3303907	4236144	15.086	15.788
27) L6 AR-1254-2	5.610	4.707	3493578	2119017	10.316	9.028
28) L6 AR-1254-3	5.970	5.092	2545734	2596628	7.101	6.866
29) L6 AR-1254-4	6.255	5.321	7900628	2181091	29.160	8.928 #
30) L6 AR-1254-5	6.668	5.732	2990849	378617	10.819	1.097 #
31) L7 AR-1260-1	6.114	5.224	710137	1828979	2.778	7.328 #
32) L7 AR-1260-2	6.439f	5.417	2313411	810870	7.622	2.633 #
33) L7 AR-1260-3	0.000	5.555	0	678204	N.D.	2.189 #
34) L7 AR-1260-4	6.986	6.027	713440	751047	2.977	3.063
35) L7 AR-1260-5	7.284	6.273	163060	559708	0.348	1.024 #
36) L8 AR-1262-1	0.000	5.825	0	99713	N.D.	0.698 #
37) L8 AR-1262-2	7.284	6.021	163060	357578	0.300	1.144 #
38) L8 AR-1262-3	7.575	6.547	47400	4233060	0.131	16.792 #
39) L8 AR-1262-4	7.649	6.610	2537945	2754468	9.055	5.892 #
40) L8 AR-1262-5	8.144	7.085	170588	10412	0.908	0.047 #
41) L9 AR-1268-1	7.575	6.547	47400	4233060	0.073	5.672 #

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 Response via : Initial Calibration
 Integrator: ChemStation

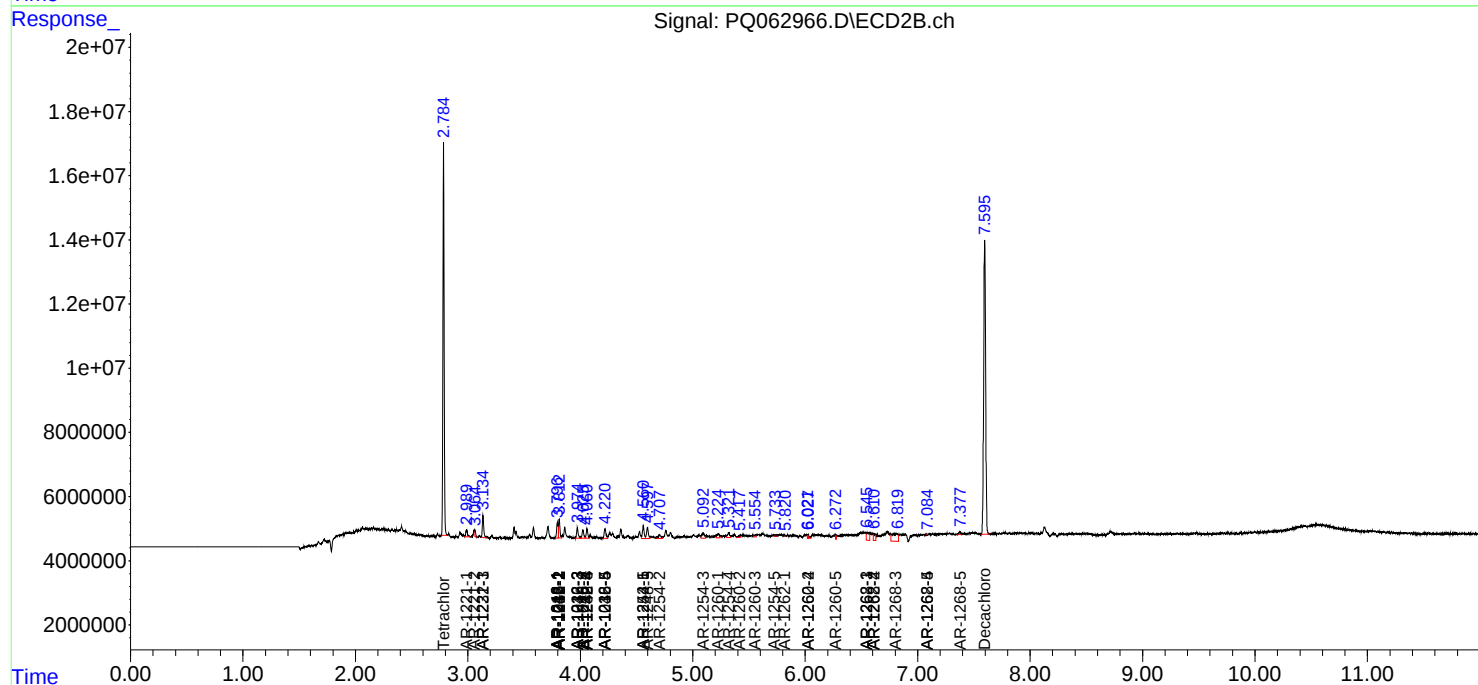
Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

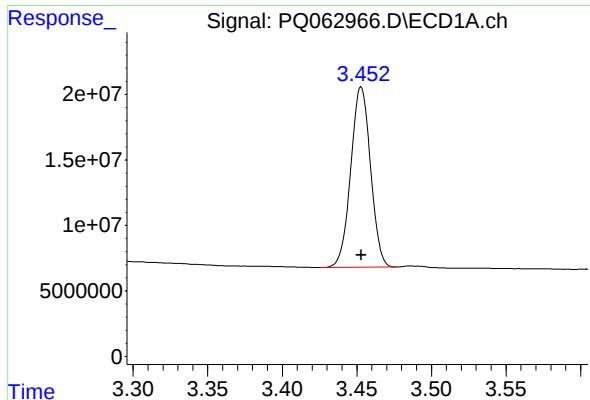
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	7.649	6.610	2537945	2754468	4.232	4.012
43) L9	AR-1268-3	7.821	6.807	2276853	8788629	4.624	14.974 #
44) L9	AR-1268-4	8.144	7.085	170588	10412	0.795	0.041 #
45) L9	AR-1268-5	8.446	7.377	1121596	1135017	0.728	0.641

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

Instrument :
ECD_Q
ClientSampleId :

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

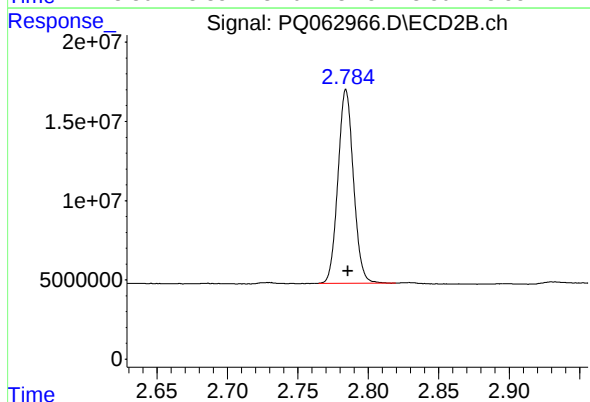




#1 Tetrachloro-m-xylene

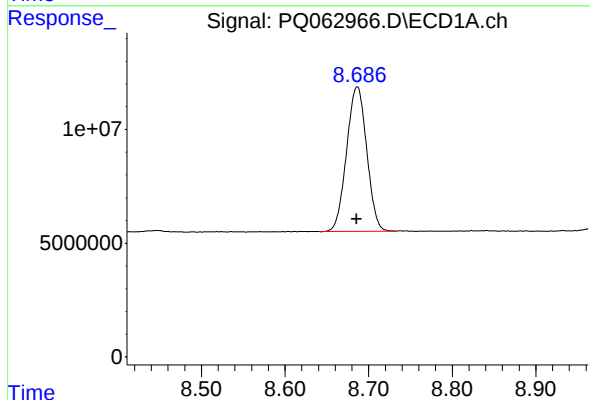
R.T.: 3.453 min
Delta R.T.: 0.000 min
Response: 126966343
Conc: 23.63 ng/ml

Instrument :
ECD_Q
ClientSampleId :



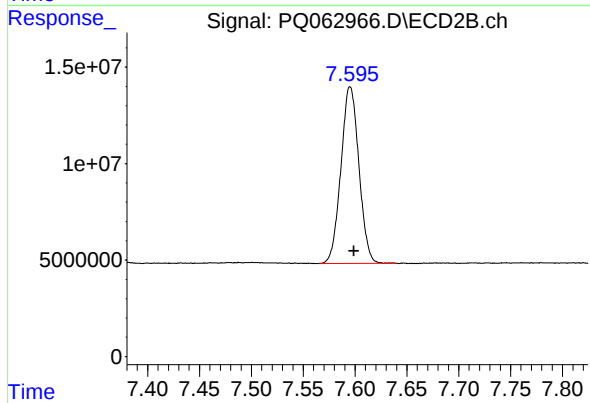
#1 Tetrachloro-m-xylene

R.T.: 2.784 min
Delta R.T.: -0.001 min
Response: 93527132
Conc: 22.68 ng/ml



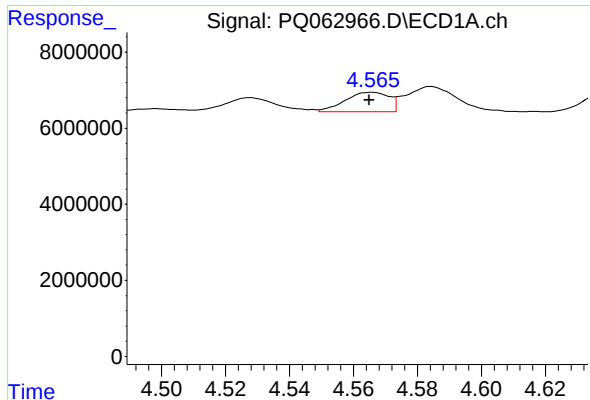
#2 Decachlorobiphenyl

R.T.: 8.686 min
Delta R.T.: 0.000 min
Response: 106271469
Conc: 27.45 ng/ml



#2 Decachlorobiphenyl

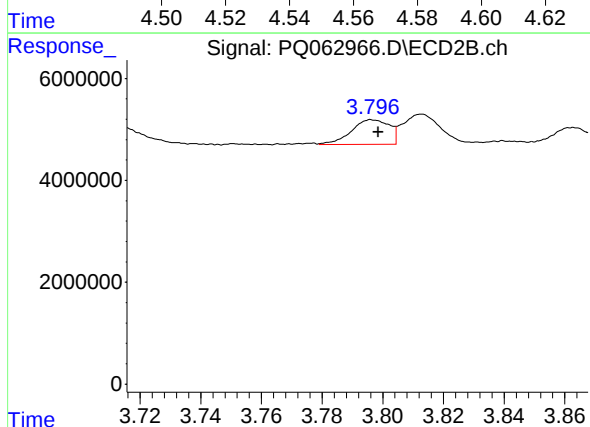
R.T.: 7.595 min
Delta R.T.: -0.004 min
Response: 110329517
Conc: 25.51 ng/ml



#3 AR-1016-1

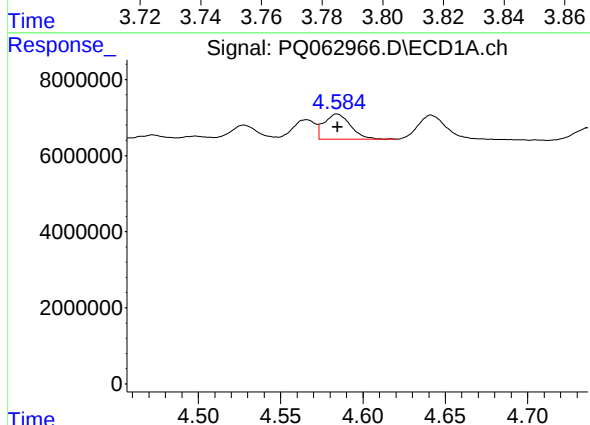
R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 4890967
Conc: 25.14 ng/ml

Instrument :
ECD_Q
ClientSampleId :



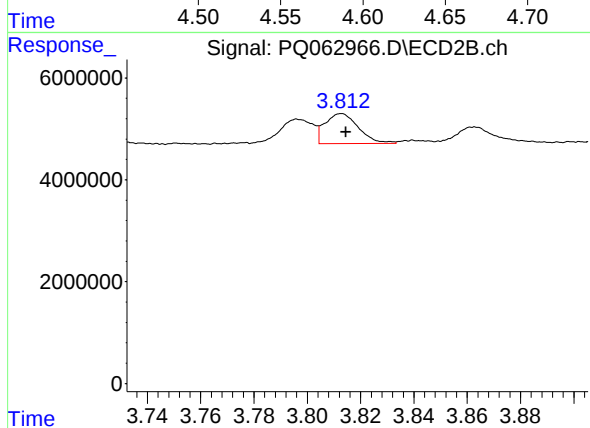
#3 AR-1016-1

R.T.: 3.796 min
Delta R.T.: -0.002 min
Response: 4167599
Conc: 26.15 ng/ml



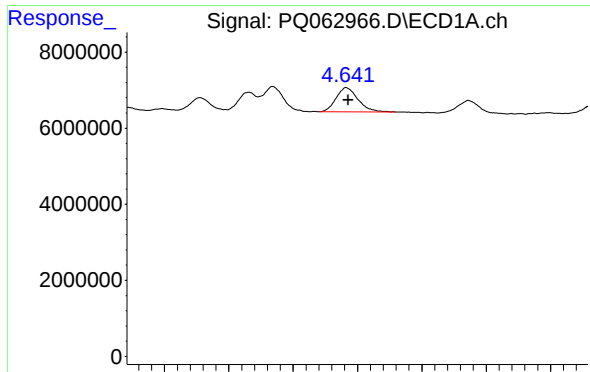
#4 AR-1016-2

R.T.: 4.584 min
Delta R.T.: 0.000 min
Response: 7411528
Conc: 26.71 ng/ml



#4 AR-1016-2

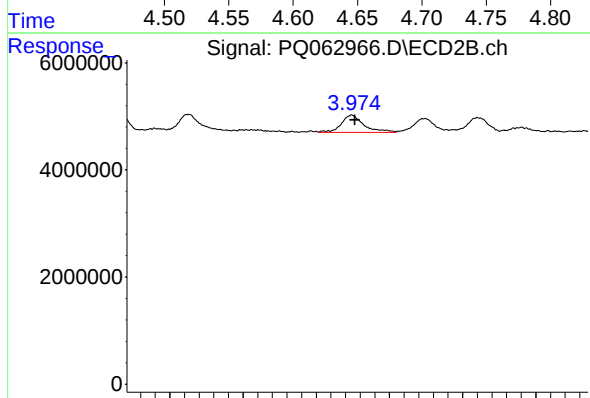
R.T.: 3.813 min
Delta R.T.: -0.002 min
Response: 5126695
Conc: 23.99 ng/ml



#5 AR-1016-3

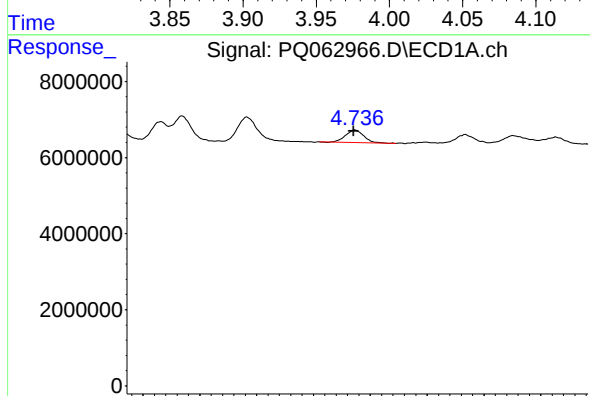
R.T.: 4.641 min
Delta R.T.: -0.001 min
Response: 7538744
Conc: 44.09 ng/ml

Instrument :
ECD_Q
ClientSampleId :



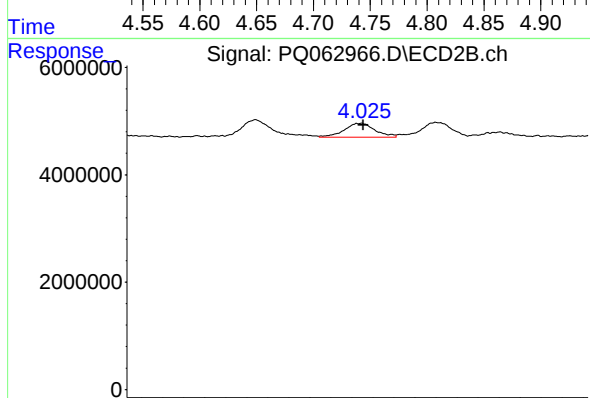
#5 AR-1016-3

R.T.: 3.974 min
Delta R.T.: -0.002 min
Response: 3436941
Conc: 28.75 ng/ml



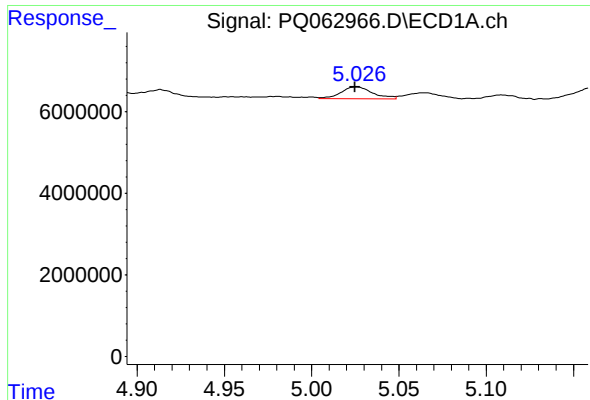
#6 AR-1016-4

R.T.: 4.737 min
Delta R.T.: 0.001 min
Response: 3708248
Conc: 26.35 ng/ml



#6 AR-1016-4

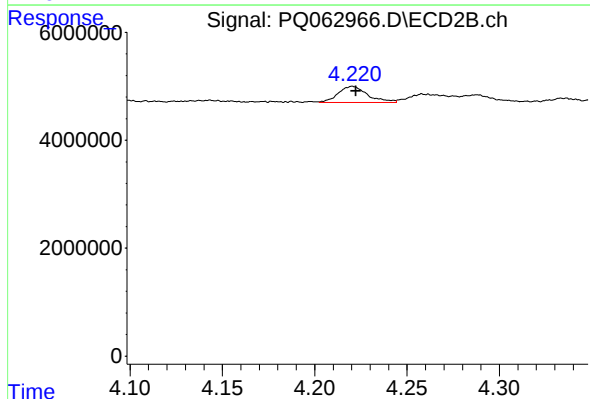
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 2628656
Conc: 27.09 ng/ml



#7 AR-1016-5

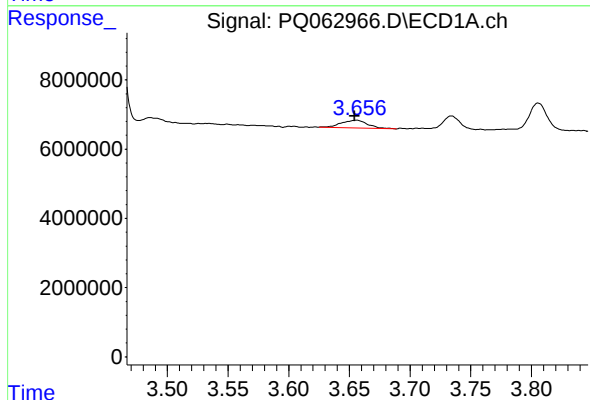
R.T.: 5.026 min
Delta R.T.: 0.000 min
Response: 3755849
Conc: 27.30 ng/ml

Instrument :
ECD_Q
ClientSampleId :



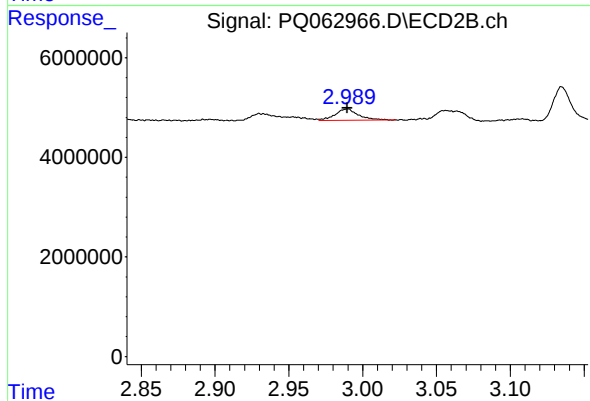
#7 AR-1016-5

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 3342995
Conc: 26.57 ng/ml



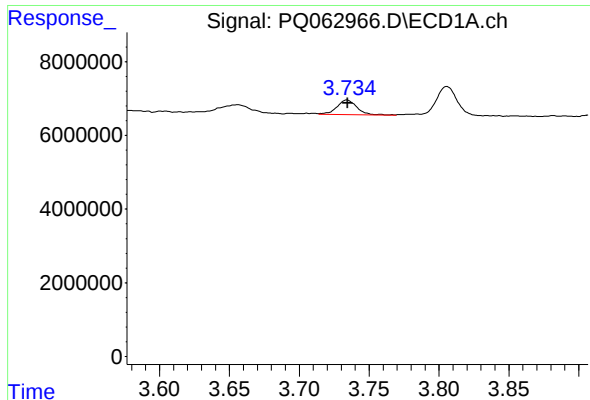
#8 AR-1221-1

R.T.: 3.656 min
Delta R.T.: 0.002 min
Response: 3367395
Conc: 49.49 ng/ml



#8 AR-1221-1

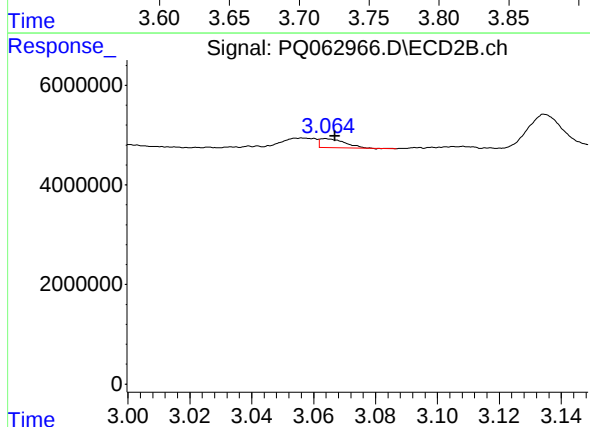
R.T.: 2.990 min
Delta R.T.: 0.000 min
Response: 2404711
Conc: 43.82 ng/ml



#9 AR-1221-2

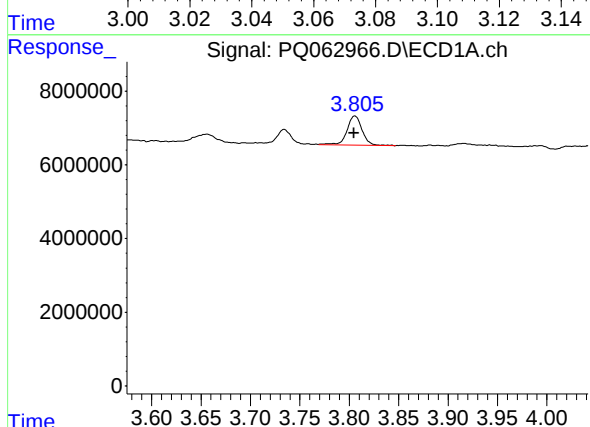
R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 3907414
Conc: 81.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :



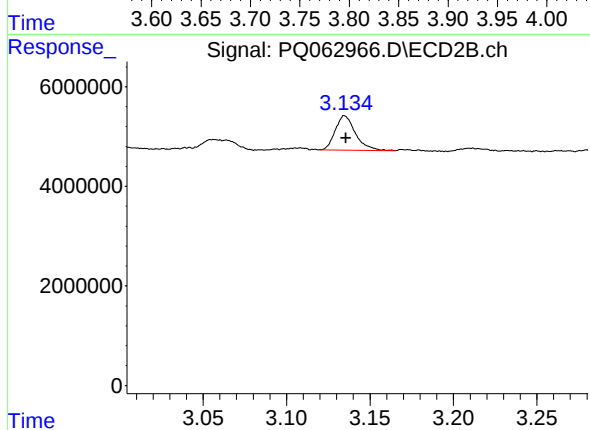
#9 AR-1221-2

R.T.: 3.064 min
Delta R.T.: -0.003 min
Response: 1024555
Conc: 27.16 ng/ml



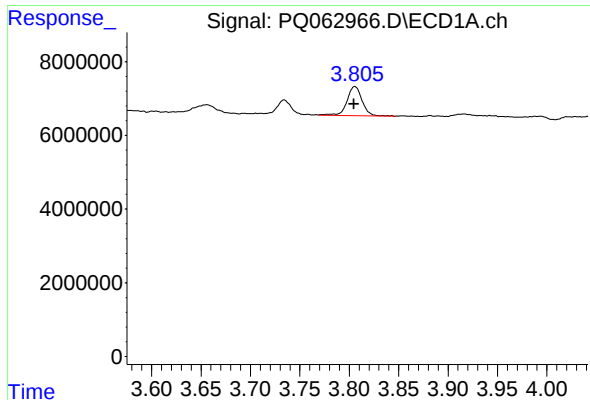
#10 AR-1221-3

R.T.: 3.806 min
Delta R.T.: 0.000 min
Response: 8339155
Conc: 54.03 ng/ml



#10 AR-1221-3

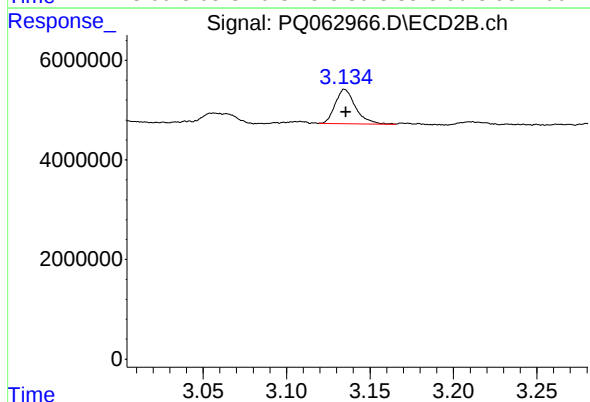
R.T.: 3.135 min
Delta R.T.: 0.000 min
Response: 5856627
Conc: 48.67 ng/ml



#11 AR-1232-1

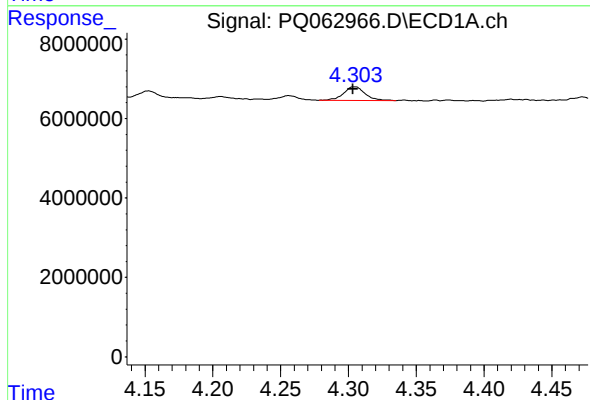
R.T.: 3.806 min
Delta R.T.: 0.000 min
Response: 8339155
Conc: 64.54 ng/ml

Instrument :
ECD_Q
ClientSampleId :



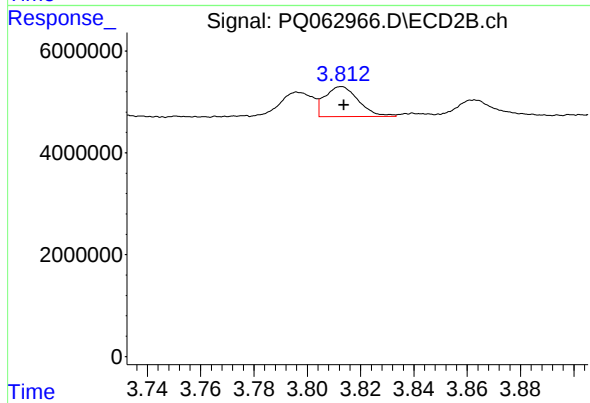
#11 AR-1232-1

R.T.: 3.135 min
Delta R.T.: 0.000 min
Response: 5856627
Conc: 60.11 ng/ml



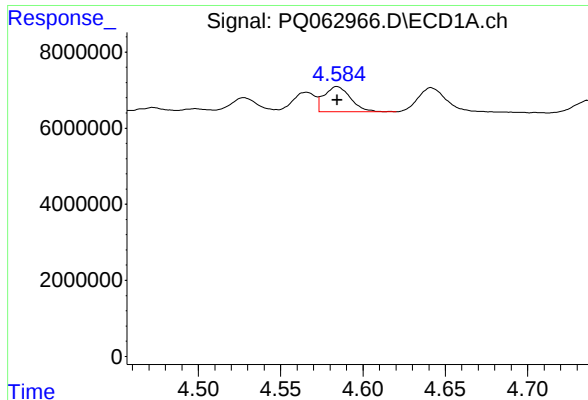
#12 AR-1232-2

R.T.: 4.304 min
Delta R.T.: 0.001 min
Response: 3878882
Conc: 55.62 ng/ml



#12 AR-1232-2

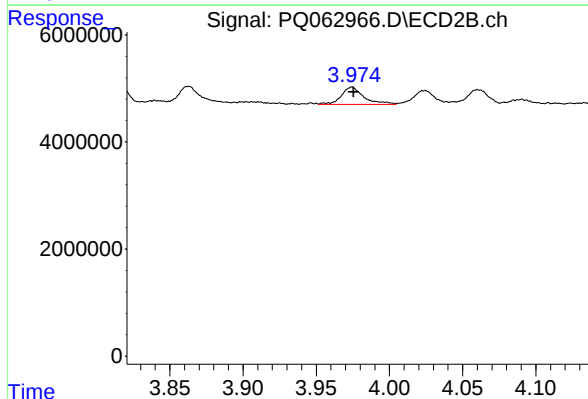
R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 5126695
Conc: 52.70 ng/ml



#13 AR-1232-3

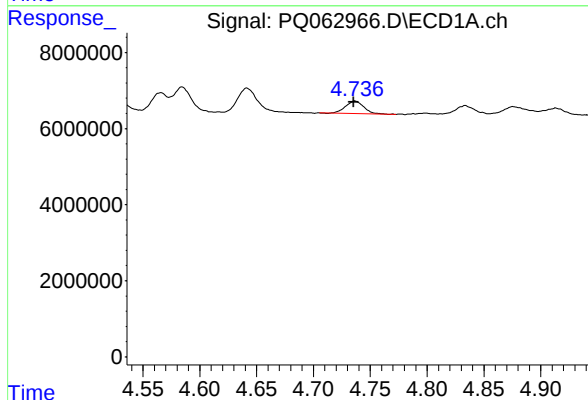
R.T.: 4.584 min
Delta R.T.: 0.000 min
Response: 7411528
Conc: 60.65 ng/ml

Instrument :
ECD_Q
ClientSampleId :



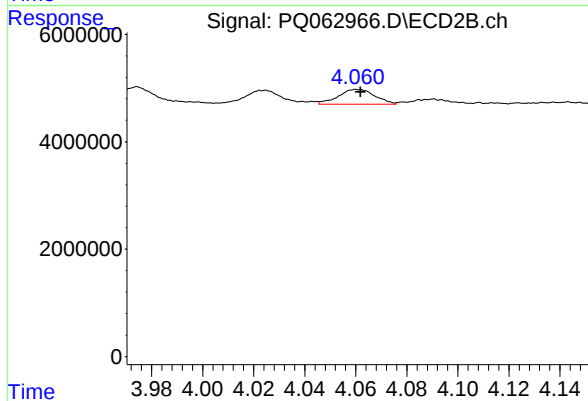
#13 AR-1232-3

R.T.: 3.974 min
Delta R.T.: -0.001 min
Response: 3436941
Conc: 64.73 ng/ml



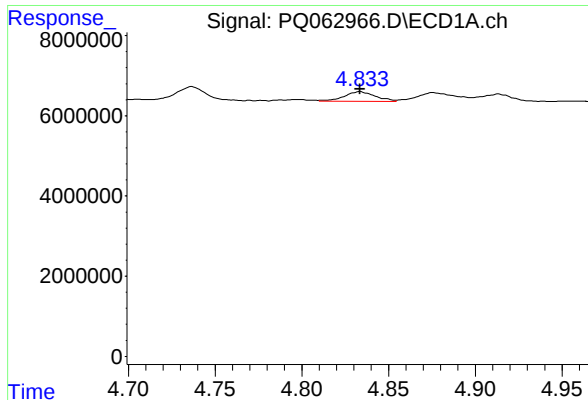
#14 AR-1232-4

R.T.: 4.737 min
Delta R.T.: 0.001 min
Response: 3708248
Conc: 61.46 ng/ml



#14 AR-1232-4

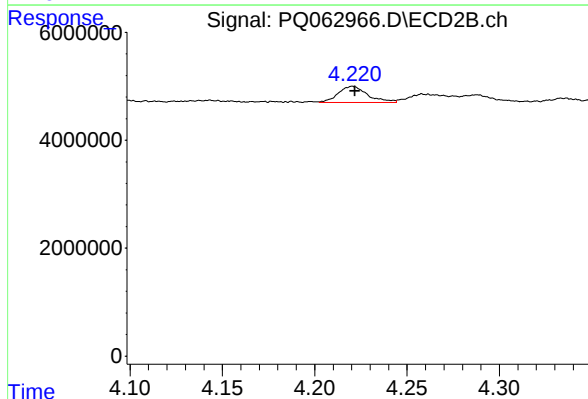
R.T.: 4.060 min
Delta R.T.: -0.002 min
Response: 2738653
Conc: 59.67 ng/ml



#15 AR-1232-5

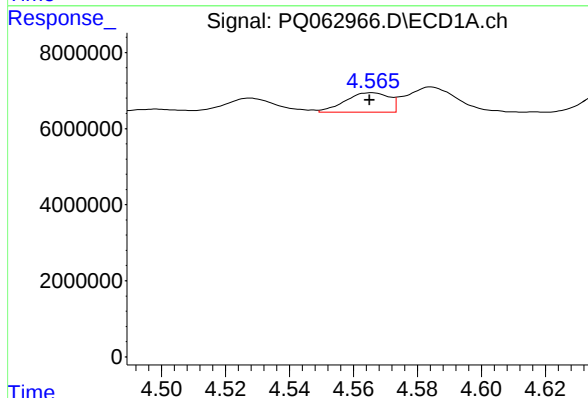
R.T.: 4.834 min
Delta R.T.: 0.000 min
Response: 3105352
Conc: 71.15 ng/ml

Instrument :
ECD_Q
ClientSampleId :



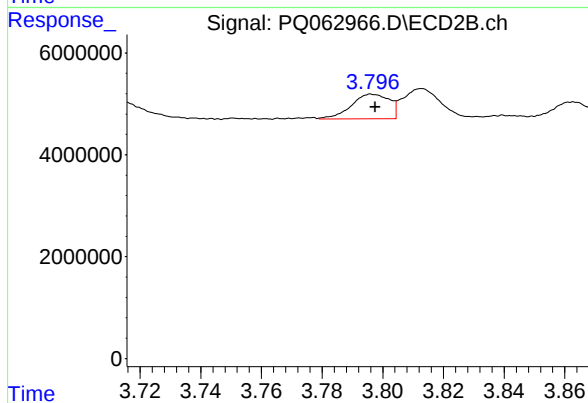
#15 AR-1232-5

R.T.: 4.220 min
Delta R.T.: -0.001 min
Response: 3342995
Conc: 61.65 ng/ml



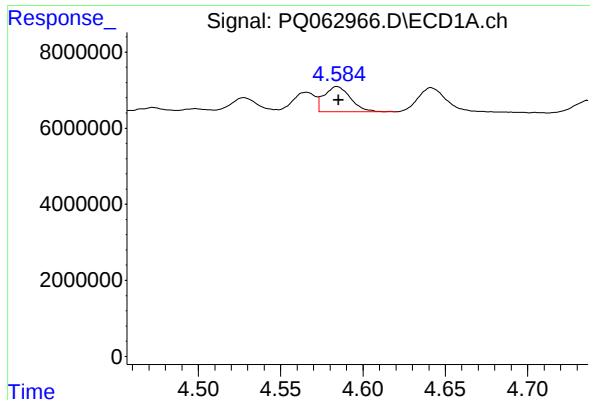
#16 AR-1242-1

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 4890967
Conc: 28.98 ng/ml



#16 AR-1242-1

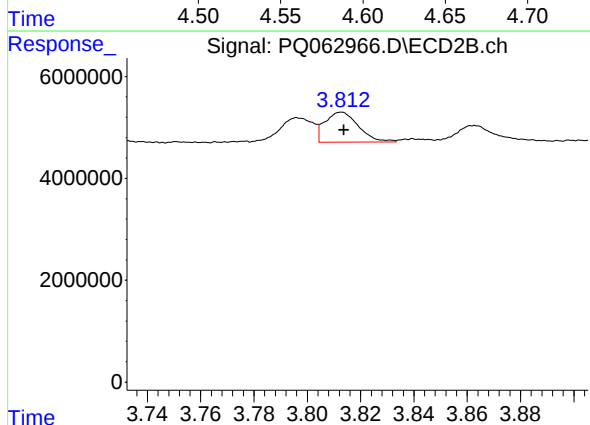
R.T.: 3.796 min
Delta R.T.: -0.001 min
Response: 4167599
Conc: 28.86 ng/ml



#17 AR-1242-2

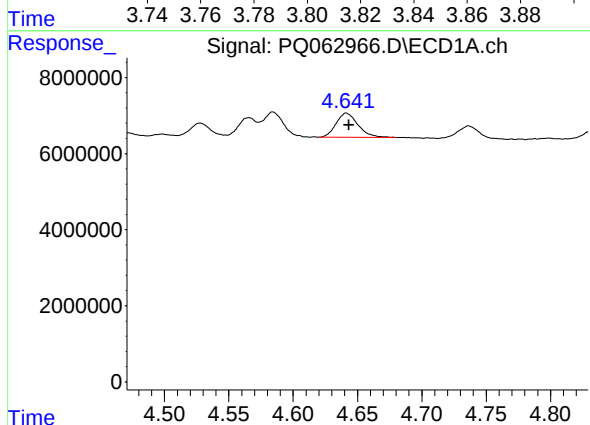
R.T.: 4.584 min
Delta R.T.: 0.000 min
Response: 7411528
Conc: 30.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :



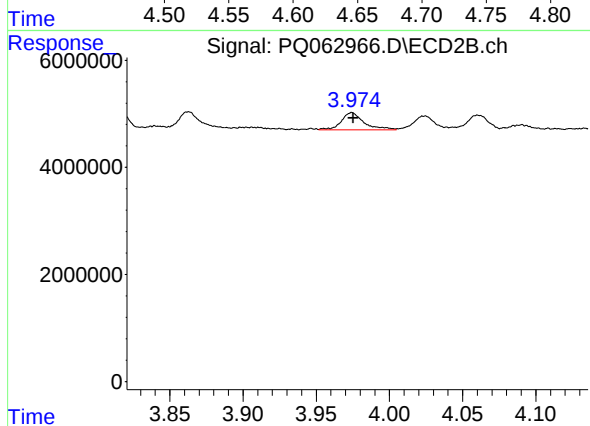
#17 AR-1242-2

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 5126695
Conc: 26.99 ng/ml



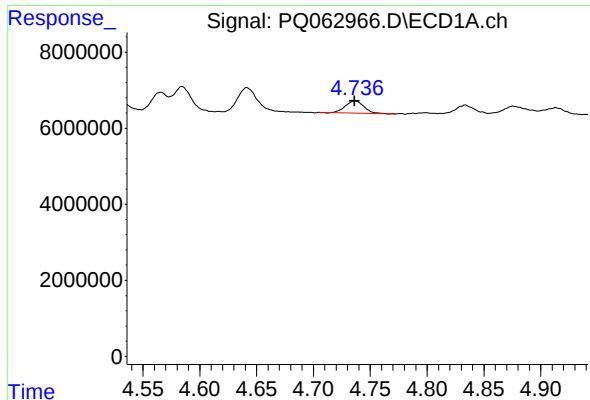
#18 AR-1242-3

R.T.: 4.641 min
Delta R.T.: -0.002 min
Response: 7538744
Conc: 51.47 ng/ml



#18 AR-1242-3

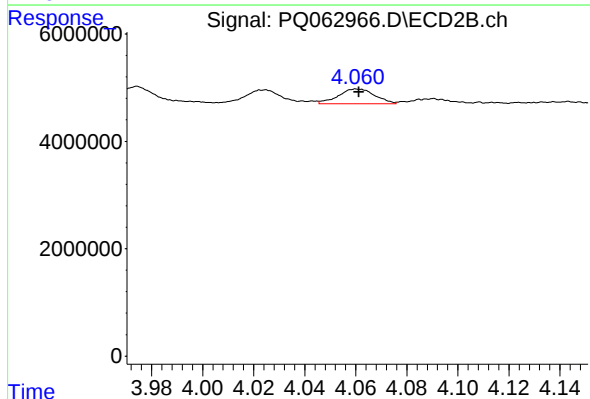
R.T.: 3.974 min
Delta R.T.: -0.001 min
Response: 3436941
Conc: 31.84 ng/ml



#19 AR-1242-4

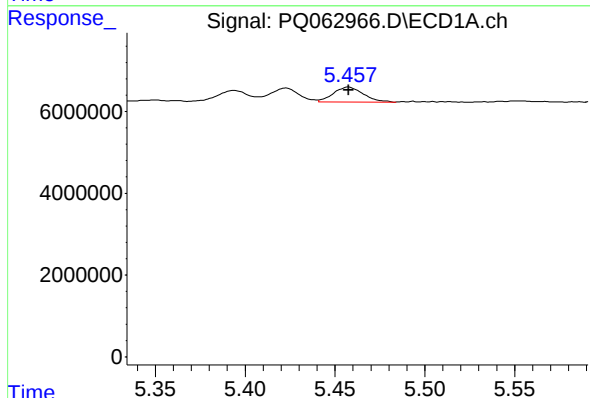
R.T.: 4.737 min
Delta R.T.: 0.000 min
Response: 3708248
Conc: 29.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :



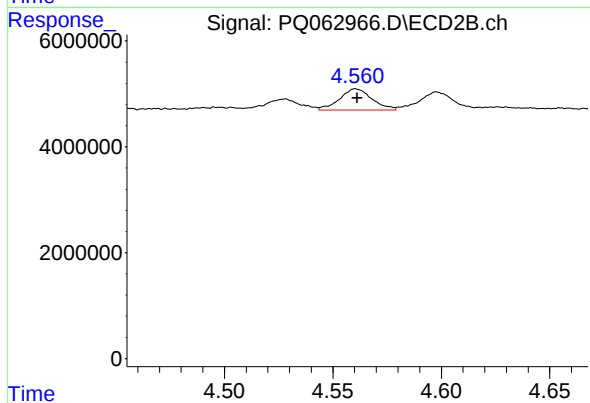
#19 AR-1242-4

R.T.: 4.060 min
Delta R.T.: -0.001 min
Response: 2738653
Conc: 27.49 ng/ml



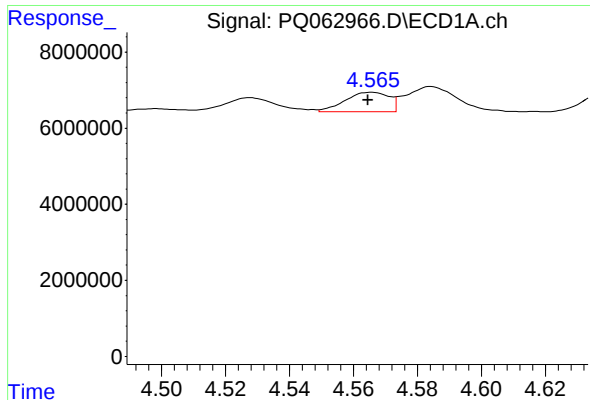
#20 AR-1242-5

R.T.: 5.458 min
Delta R.T.: 0.000 min
Response: 4240838
Conc: 32.09 ng/ml



#20 AR-1242-5

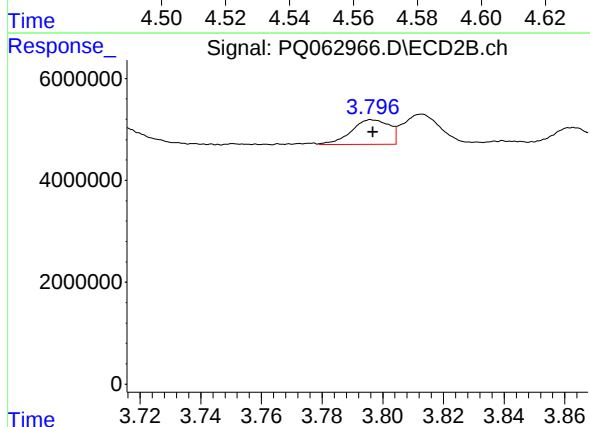
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 4236144
Conc: 31.33 ng/ml



#21 AR-1248-1

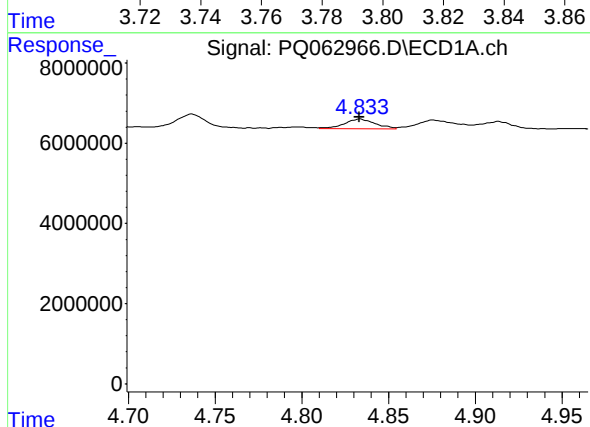
R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 4890967
Conc: 36.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :



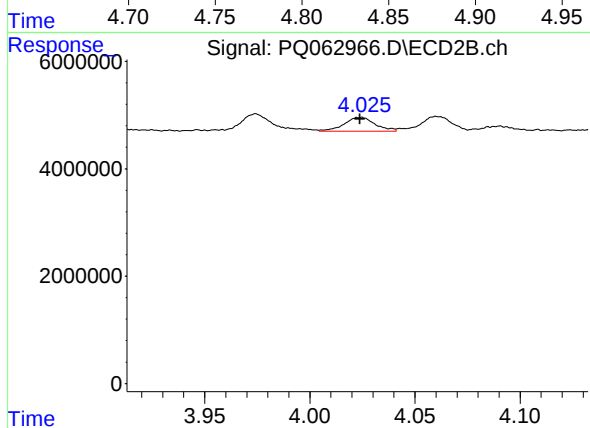
#21 AR-1248-1

R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 4167599
Conc: 37.31 ng/ml



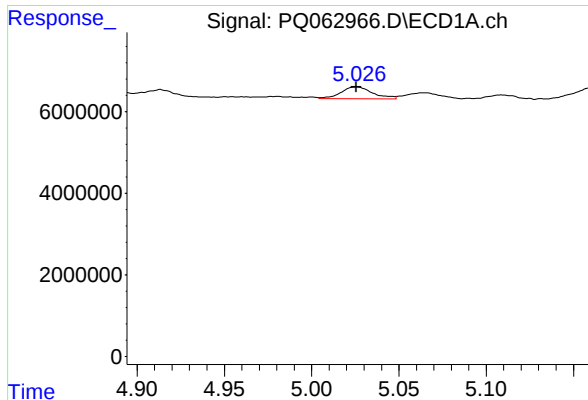
#22 AR-1248-2

R.T.: 4.834 min
Delta R.T.: 0.000 min
Response: 3105352
Conc: 17.77 ng/ml



#22 AR-1248-2

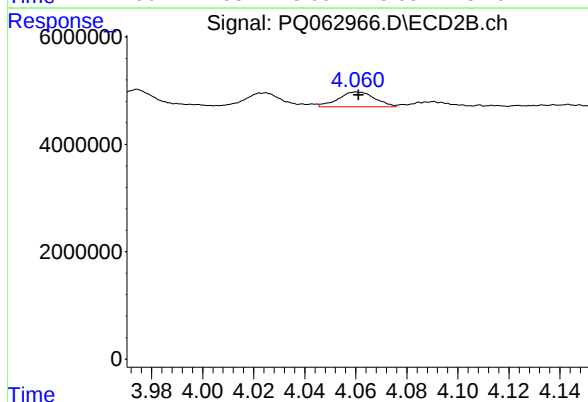
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 2628656
Conc: 16.65 ng/ml



#23 AR-1248-3

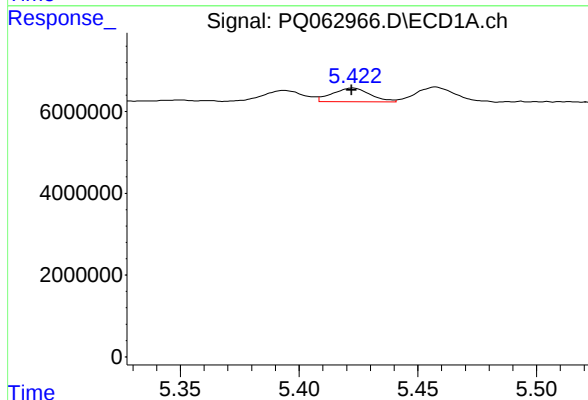
R.T.: 5.026 min
Delta R.T.: 0.000 min
Response: 3755849
Conc: 17.76 ng/ml

Instrument :
ECD_Q
ClientSampleId :



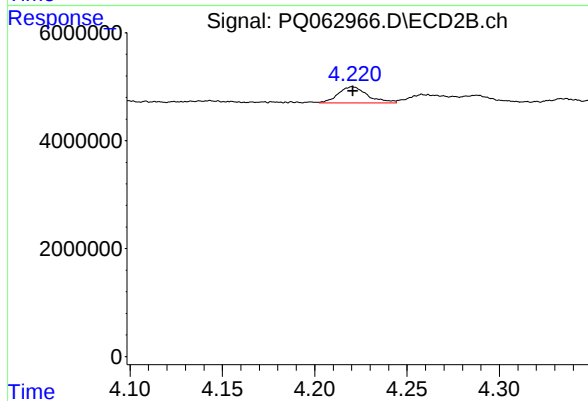
#23 AR-1248-3

R.T.: 4.060 min
Delta R.T.: -0.001 min
Response: 2738653
Conc: 17.96 ng/ml



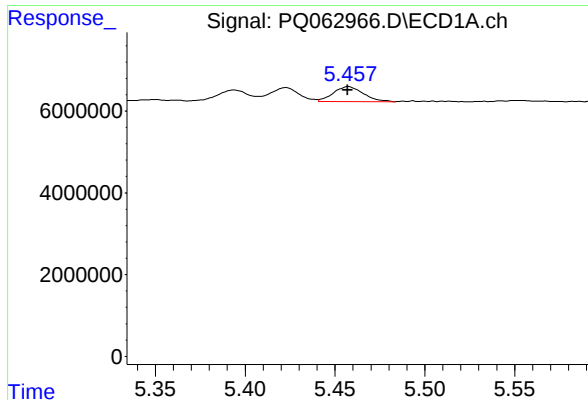
#24 AR-1248-4

R.T.: 5.423 min
Delta R.T.: 0.000 min
Response: 3738715
Conc: 15.69 ng/ml



#24 AR-1248-4

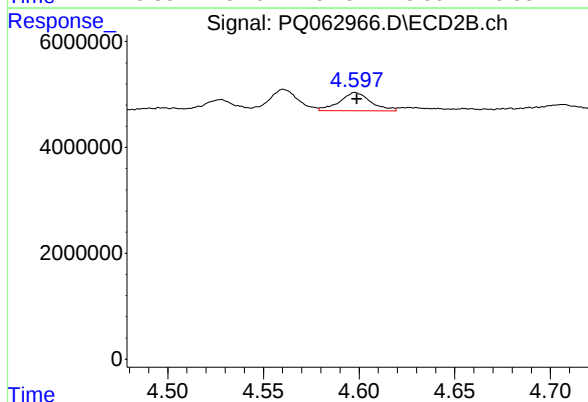
R.T.: 4.220 min
Delta R.T.: 0.000 min
Response: 3342995
Conc: 17.58 ng/ml



#25 AR-1248-5

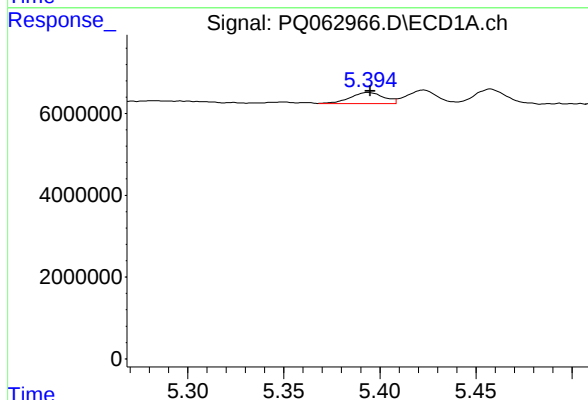
R.T.: 5.458 min
Delta R.T.: 0.000 min
Response: 4240838
Conc: 18.25 ng/ml

Instrument :
ECD_Q
ClientSampleId :



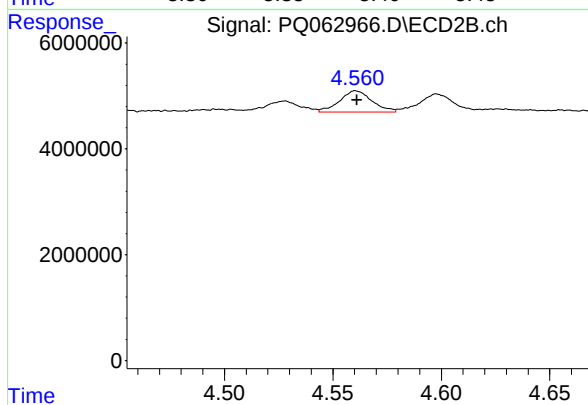
#25 AR-1248-5

R.T.: 4.598 min
Delta R.T.: 0.000 min
Response: 3941514
Conc: 20.38 ng/ml



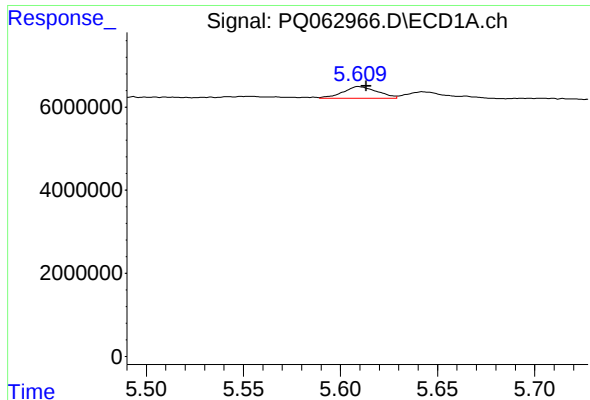
#26 AR-1254-1

R.T.: 5.394 min
Delta R.T.: -0.001 min
Response: 3303907
Conc: 15.09 ng/ml



#26 AR-1254-1

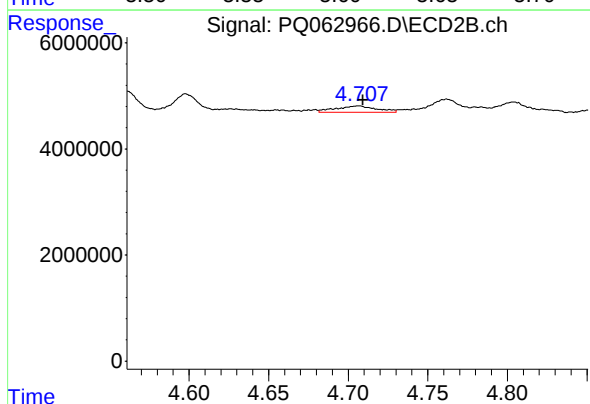
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 4236144
Conc: 15.79 ng/ml



#27 AR-1254-2

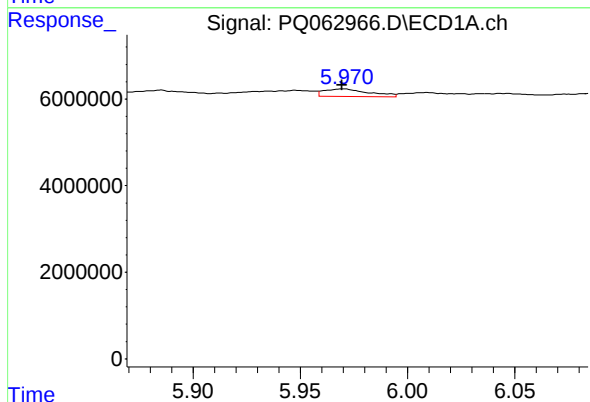
R.T.: 5.610 min
Delta R.T.: -0.004 min
Response: 3493578
Conc: 10.32 ng/ml

Instrument :
ECD_Q
ClientSampleId :



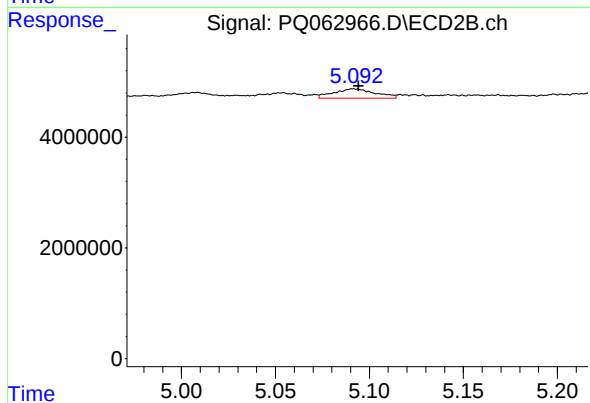
#27 AR-1254-2

R.T.: 4.707 min
Delta R.T.: -0.002 min
Response: 2119017
Conc: 9.03 ng/ml



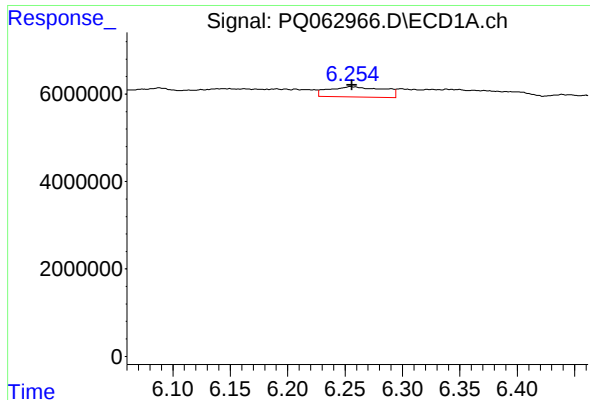
#28 AR-1254-3

R.T.: 5.970 min
Delta R.T.: 0.000 min
Response: 2545734
Conc: 7.10 ng/ml



#28 AR-1254-3

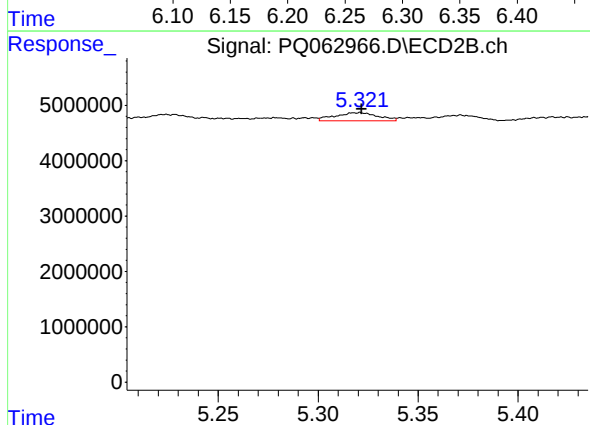
R.T.: 5.092 min
Delta R.T.: -0.003 min
Response: 2596628
Conc: 6.87 ng/ml



#29 AR-1254-4

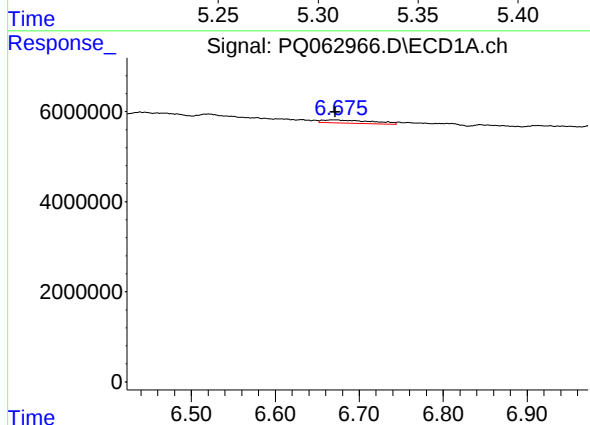
R.T.: 6.255 min
Delta R.T.: -0.001 min
Response: 7900628
Conc: 29.16 ng/ml

Instrument :
ECD_Q
ClientSampleId :



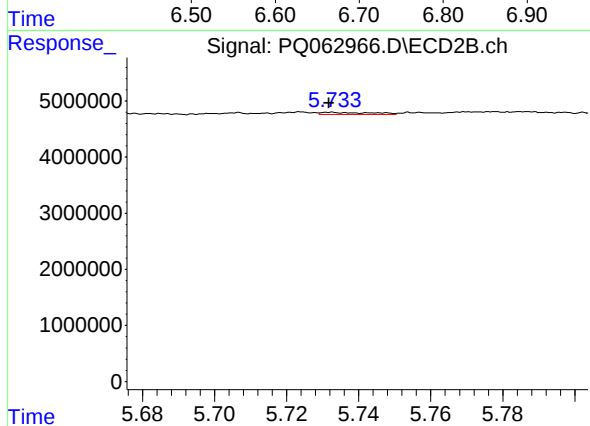
#29 AR-1254-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 2181091
Conc: 8.93 ng/ml



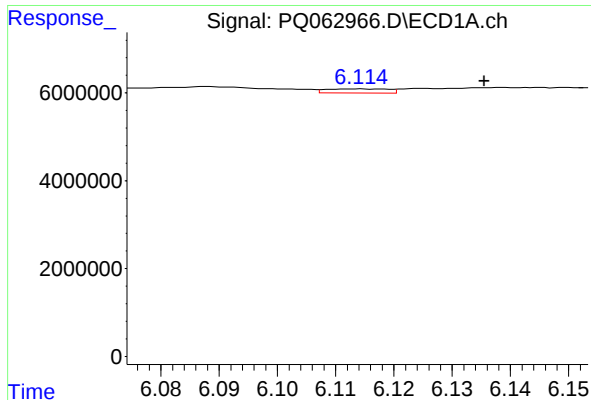
#30 AR-1254-5

R.T.: 6.668 min
Delta R.T.: -0.004 min
Response: 2990849
Conc: 10.82 ng/ml



#30 AR-1254-5

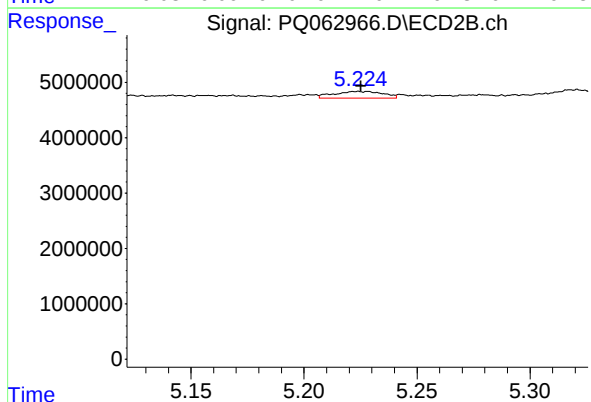
R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 378617
Conc: 1.10 ng/ml



#31 AR-1260-1

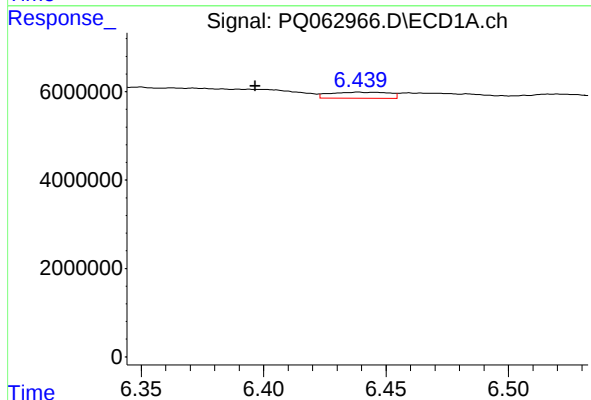
R.T.: 6.114 min
Delta R.T.: -0.021 min
Response: 710137
Conc: 2.78 ng/ml

Instrument :
ECD_Q
ClientSampleId :



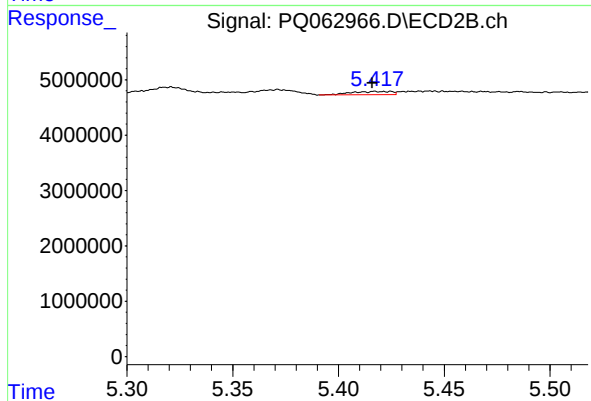
#31 AR-1260-1

R.T.: 5.224 min
Delta R.T.: -0.001 min
Response: 1828979
Conc: 7.33 ng/ml



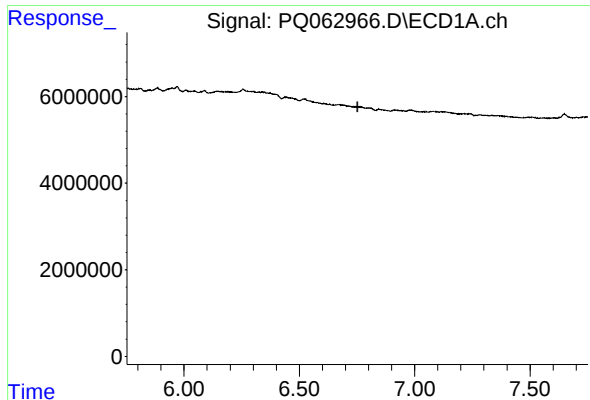
#32 AR-1260-2

R.T.: 6.439 min
Delta R.T.: 0.042 min
Response: 2313411
Conc: 7.62 ng/ml



#32 AR-1260-2

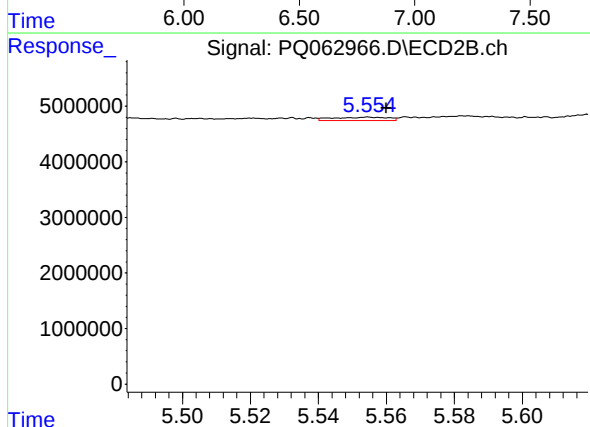
R.T.: 5.417 min
Delta R.T.: 0.001 min
Response: 810870
Conc: 2.63 ng/ml



#33 AR-1260-3

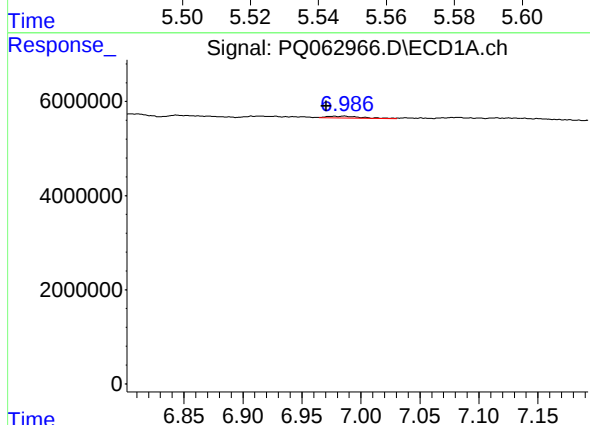
R.T.: 0.000 min
Exp R.T.: 6.752 min
Response: 0
Conc: N.D.

Instrument :
ECD_Q
ClientSampleId :



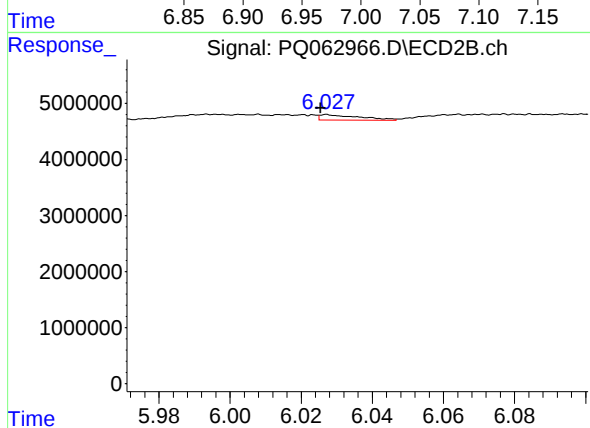
#33 AR-1260-3

R.T.: 5.555 min
Delta R.T.: -0.005 min
Response: 678204
Conc: 2.19 ng/ml



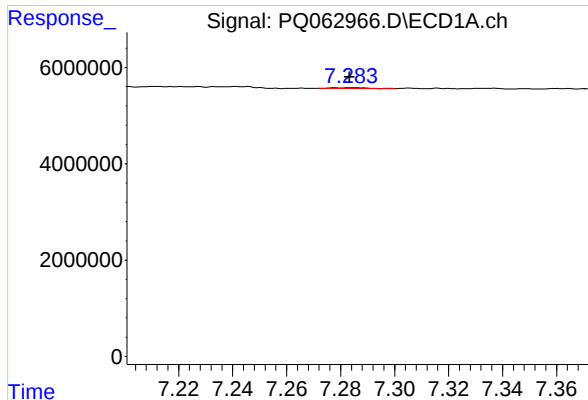
#34 AR-1260-4

R.T.: 6.986 min
Delta R.T.: 0.015 min
Response: 713440
Conc: 2.98 ng/ml



#34 AR-1260-4

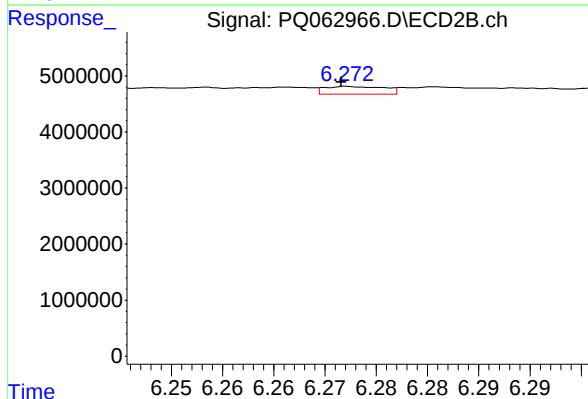
R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 751047
Conc: 3.06 ng/ml



#35 AR-1260-5

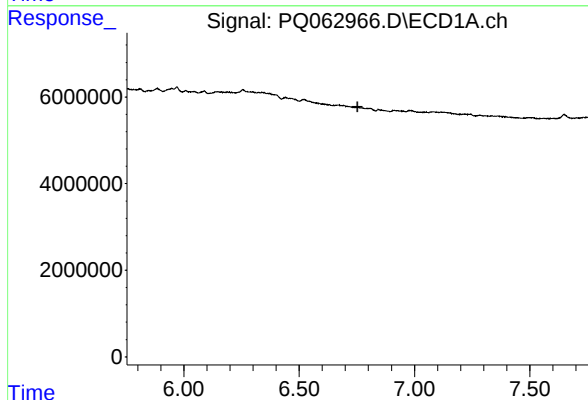
R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 163060
Conc: 0.35 ng/ml

Instrument :
ECD_Q
ClientSampleId :



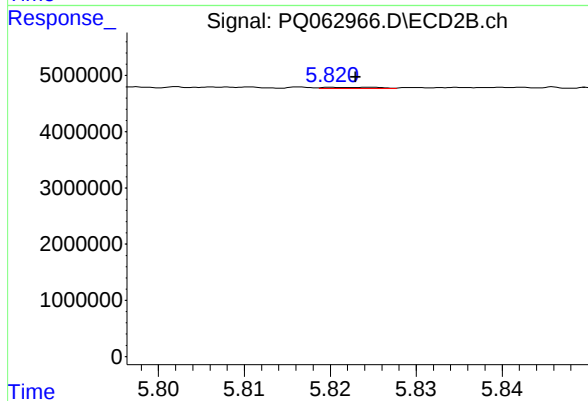
#35 AR-1260-5

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 559708
Conc: 1.02 ng/ml



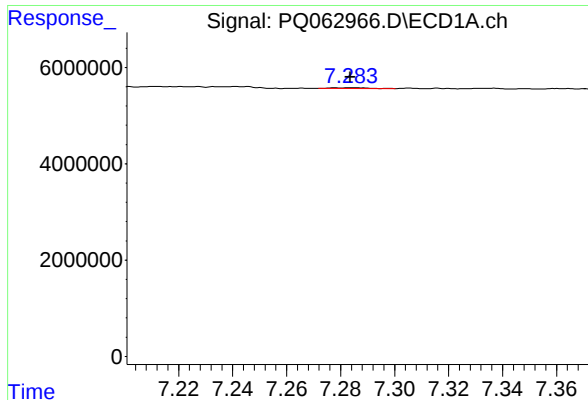
#36 AR-1262-1

R.T.: 0.000 min
Exp R.T.: 6.753 min
Response: 0
Conc: N.D.



#36 AR-1262-1

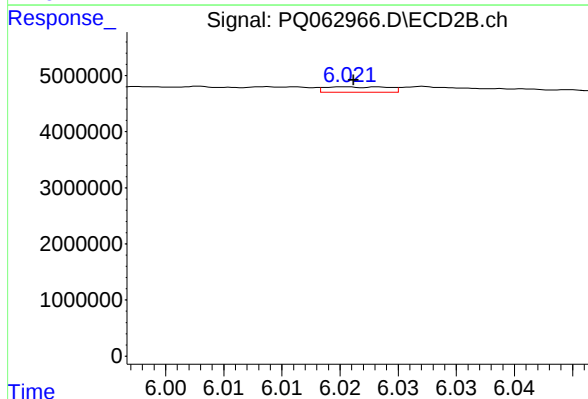
R.T.: 5.825 min
Delta R.T.: 0.002 min
Response: 99713
Conc: 0.70 ng/ml



#37 AR-1262-2

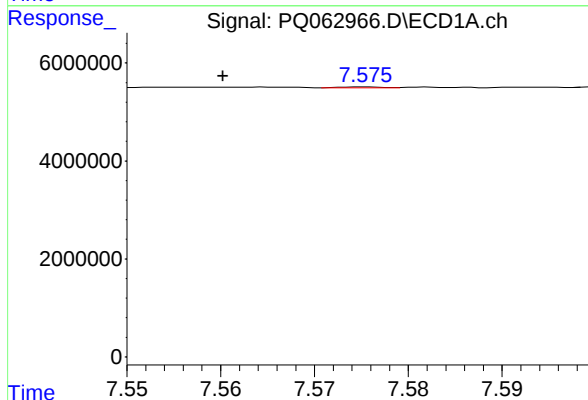
R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 163060
Conc: 0.30 ng/ml

Instrument :
ECD_Q
ClientSampleId :



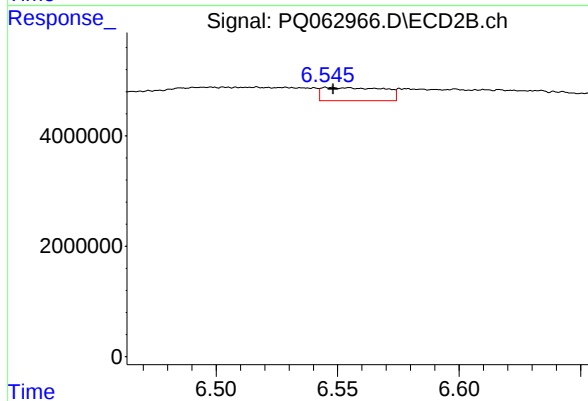
#37 AR-1262-2

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 357578
Conc: 1.14 ng/ml



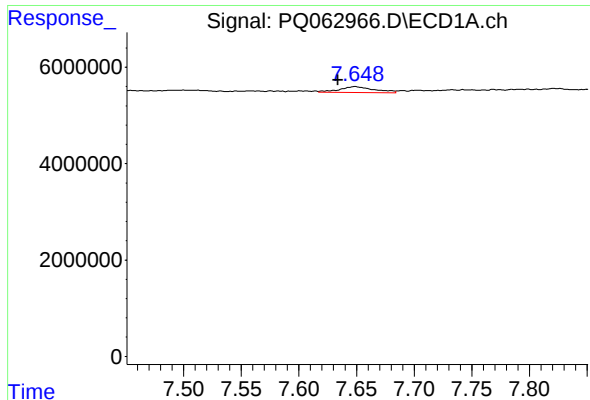
#38 AR-1262-3

R.T.: 7.575 min
Delta R.T.: 0.015 min
Response: 47400
Conc: 0.13 ng/ml



#38 AR-1262-3

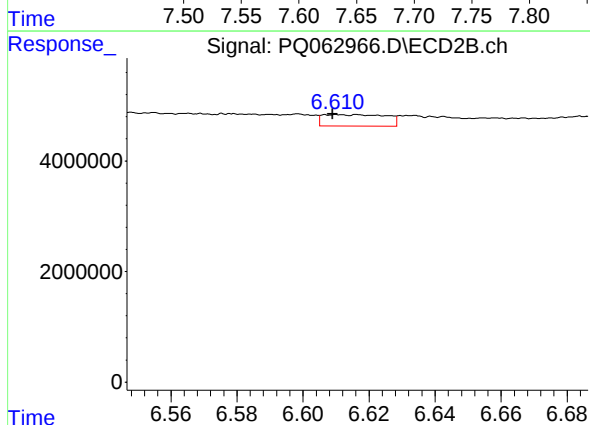
R.T.: 6.547 min
Delta R.T.: -0.001 min
Response: 4233060
Conc: 16.79 ng/ml



#39 AR-1262-4

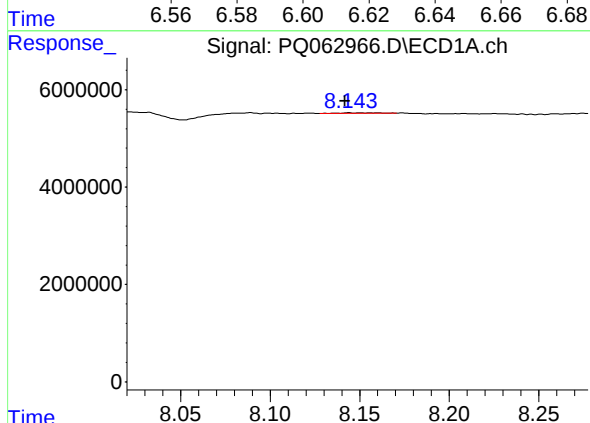
R.T.: 7.649 min
Delta R.T.: 0.015 min
Response: 2537945
Conc: 9.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :



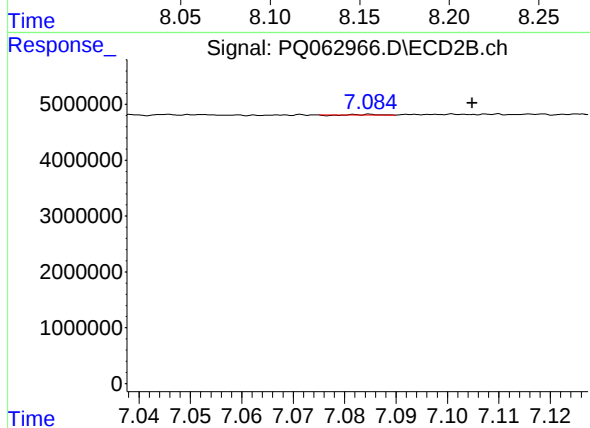
#39 AR-1262-4

R.T.: 6.610 min
Delta R.T.: 0.001 min
Response: 2754468
Conc: 5.89 ng/ml



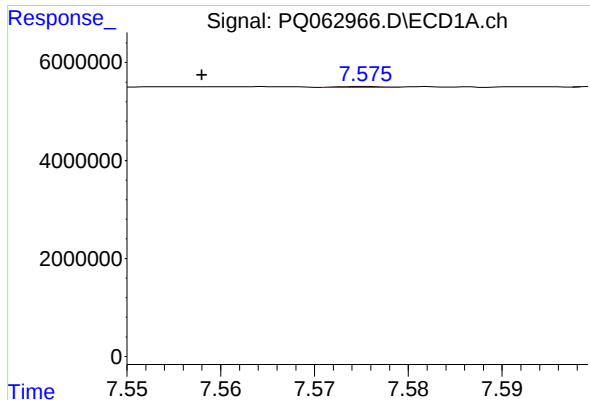
#40 AR-1262-5

R.T.: 8.144 min
Delta R.T.: 0.002 min
Response: 170588
Conc: 0.91 ng/ml



#40 AR-1262-5

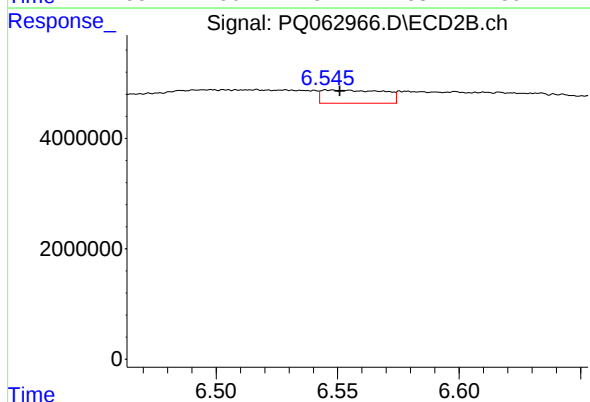
R.T.: 7.085 min
Delta R.T.: -0.020 min
Response: 10412
Conc: 0.05 ng/ml



#41 AR-1268-1

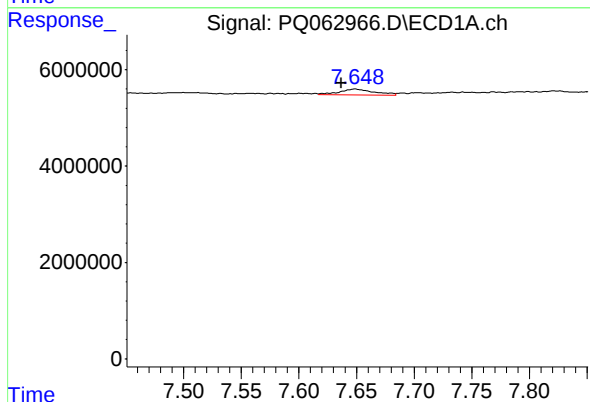
R.T.: 7.575 min
Delta R.T.: 0.017 min
Response: 47400
Conc: 0.07 ng/ml

Instrument :
ECD_Q
ClientSampleId :



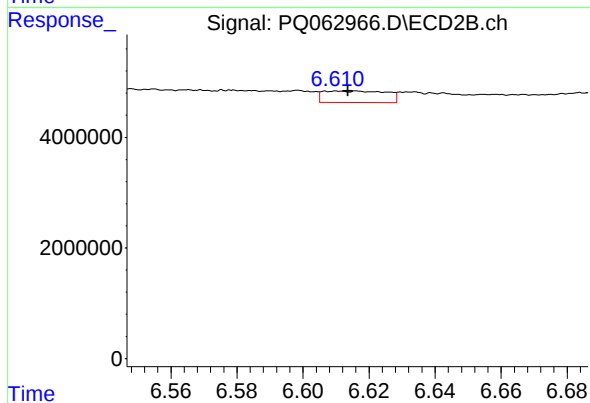
#41 AR-1268-1

R.T.: 6.547 min
Delta R.T.: -0.004 min
Response: 4233060
Conc: 5.67 ng/ml



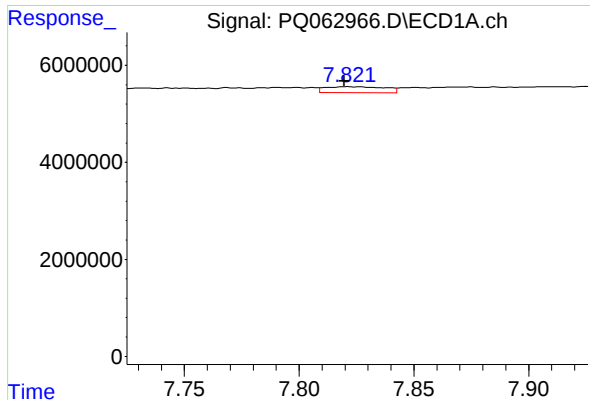
#42 AR-1268-2

R.T.: 7.649 min
Delta R.T.: 0.012 min
Response: 2537945
Conc: 4.23 ng/ml



#42 AR-1268-2

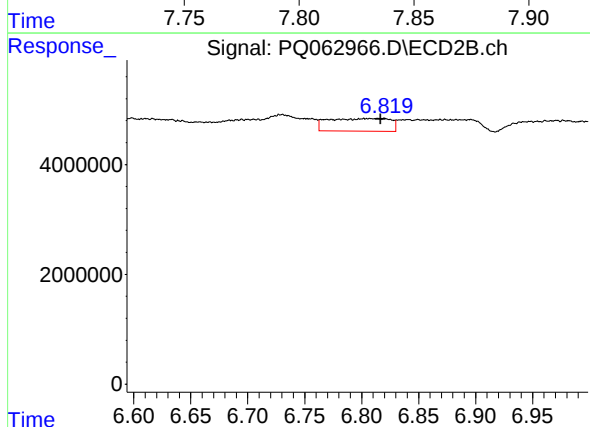
R.T.: 6.610 min
Delta R.T.: -0.003 min
Response: 2754468
Conc: 4.01 ng/ml



#43 AR-1268-3

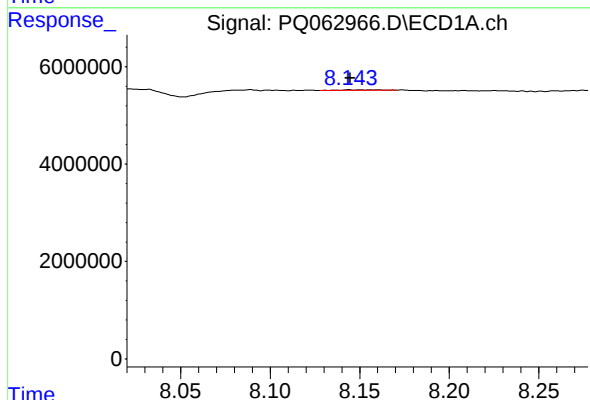
R.T.: 7.821 min
Delta R.T.: 0.000 min
Response: 2276853
Conc: 4.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :



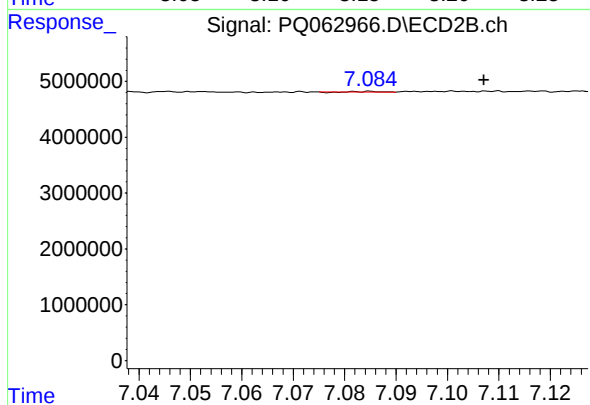
#43 AR-1268-3

R.T.: 6.807 min
Delta R.T.: -0.010 min
Response: 8788629
Conc: 14.97 ng/ml



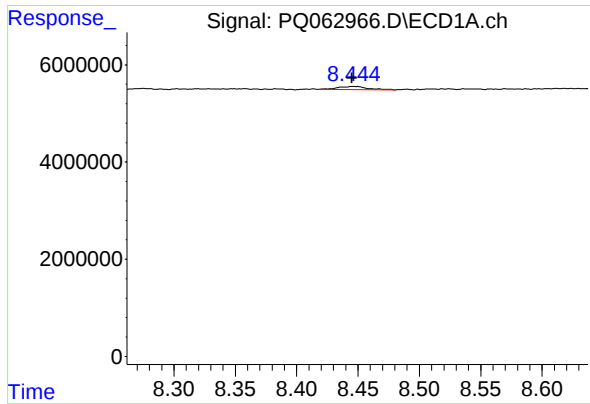
#44 AR-1268-4

R.T.: 8.144 min
Delta R.T.: 0.000 min
Response: 170588
Conc: 0.80 ng/ml



#44 AR-1268-4

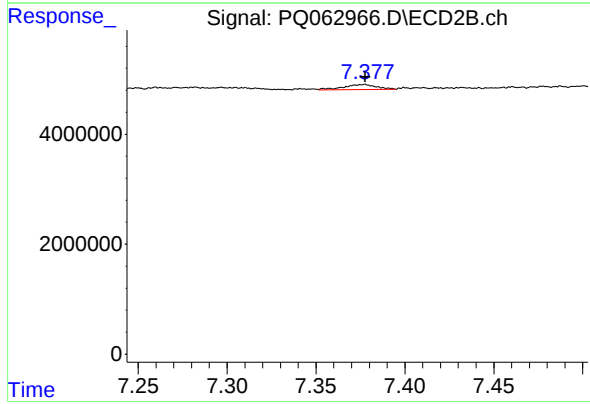
R.T.: 7.085 min
Delta R.T.: -0.022 min
Response: 10412
Conc: 0.04 ng/ml



#45 AR-1268-5

R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1121596
Conc: 0.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :



#45 AR-1268-5

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 1135017
Conc: 0.64 ng/ml