

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P005125\
 Data File : P0111251.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:34
 Operator : YP/AJ
 Sample : Q2097-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 RBR251372

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 02:25:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 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...	3.681	3.677	113.8E6	95365552	19.344	17.494
2)	SA Decachlor...	8.720	8.671	79628046	29863510	15.423	16.141
Target Compounds							
3)	L1 AR-1016-1	4.769	4.756	410649	434914	1.825	2.278
4)	L1 AR-1016-2	4.790	4.773	1116319	613535	3.500	2.214 #
5)	L1 AR-1016-3	4.848	4.953	2076587	720933	9.564	4.935 #
6)	L1 AR-1016-4	4.969	4.992	1177839	7407913	6.763	61.687 #
7)	L1 AR-1016-5	5.223	5.204	11145372	7272700	63.329	47.103 #
8)	L2 AR-1221-1	3.883	3.871	1086438	241413	12.473	3.269 #
9)	L2 AR-1221-2	3.982	3.976	5041610	2081718	79.141	38.257 #
10)	L2 AR-1221-3	4.055	4.049	1156709	319467	6.014	1.912 #
11)	L3 AR-1232-1	4.055	4.049	1156709	319467	7.552	2.446 #
12)	L3 AR-1232-2	4.555	4.773	1126451	613535	13.746	4.678 #
13)	L3 AR-1232-3	4.790	4.953	1116319	720933	7.300	10.591 #
14)	L3 AR-1232-4	4.969	5.033	1177839	3136175	14.320	50.849 #
15)	L3 AR-1232-5	5.009	5.204	8400700	7272700	154.825	110.641 #
16)	L4 AR-1242-1	4.769	4.756	410649	434914	2.148	2.700 #
17)	L4 AR-1242-2	4.790	4.773	1116319	613535	4.104	2.615 #
18)	L4 AR-1242-3	4.848	4.953	2076587	720933	11.165	5.832 #
19)	L4 AR-1242-4	4.969	5.033	1177839	3136175	7.969	25.370 #
20)	L4 AR-1242-5	5.619	5.555	5836210	20600015	37.522	135.538 #
21)	L5 AR-1248-1	4.769	4.756	410649	434914	2.681	3.353 #
22)	L5 AR-1248-2	5.009	4.992	8400700	7407913	41.895	42.116
23)	L5 AR-1248-3	5.223	5.033	11145372	3136175	43.536	16.716 #
24)	L5 AR-1248-4	5.577	5.204	26757029	7272700	73.877	33.082 #
25)	L5 AR-1248-5	5.619	5.595	5836210	4226339	22.271	19.358
26)	L6 AR-1254-1	5.577	5.555	26757029	20600015	70.492	63.573
27)	L6 AR-1254-2	5.726	5.703	20781018	16465451	63.594	58.132
28)	L6 AR-1254-3	6.131	6.105	33751557	25477922	64.149	59.052
29)	L6 AR-1254-4	6.360	6.332	15694508	11762415	46.699	47.555
30)	L6 AR-1254-5	6.780	6.750	25819644	18450692	54.420	53.335
31)	L7 AR-1260-1	6.264	6.236	14961029	11800601	49.058	47.223
32)	L7 AR-1260-2	6.453	6.423	11867930	8556620	30.991	29.076
33)	L7 AR-1260-3	6.850	6.574	1928073	9329552	5.531	32.539 #
34)	L7 AR-1260-4	7.080	7.044	2508103	1459430	8.959	7.269
35)	L7 AR-1260-5	7.321	7.287	4929638	4327360	6.848	9.415 #
36)	L8 AR-1262-1	6.850	6.819	1928073	1517198	3.962	4.452
37)	L8 AR-1262-2	7.321	7.287	4929638	4327360	6.097	8.605 #
38)	L8 AR-1262-3	7.607	7.571	386287	958155	1.142	5.106 #
39)	L8 AR-1262-4	7.665	7.628	3976703	3097704	6.735	9.380 #
40)	L8 AR-1262-5	8.168	8.123	382062	108752	1.340	0.968 #
41)	L9 AR-1268-1	7.607	7.571	386287	958155	0.398	1.808 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0052125\
 Data File : P0111251.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:34
 Operator : YP/AJ
 Sample : Q2097-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

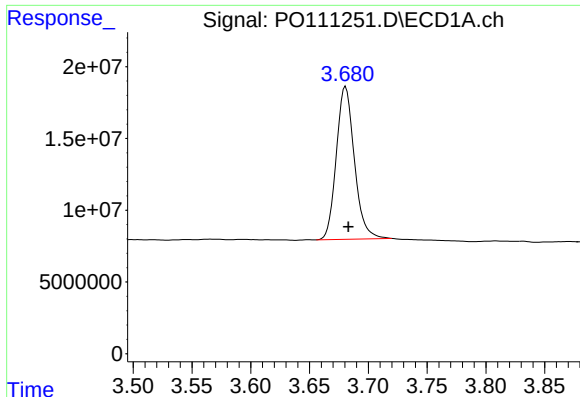
Instrument :
 ECD_O
 ClientSampleId :
 RBR251372

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 02:25:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 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	7.665	7.628	3976703	3097704	4.456	6.422 #
43) L9	AR-1268-3	7.859	7.831	1420744	281799	1.872	0.809 #
44) L9	AR-1268-4	8.168	8.123	382062	108752	1.170	0.855 #
45) L9	AR-1268-5	8.464	8.415	705394	259957	0.327	0.345

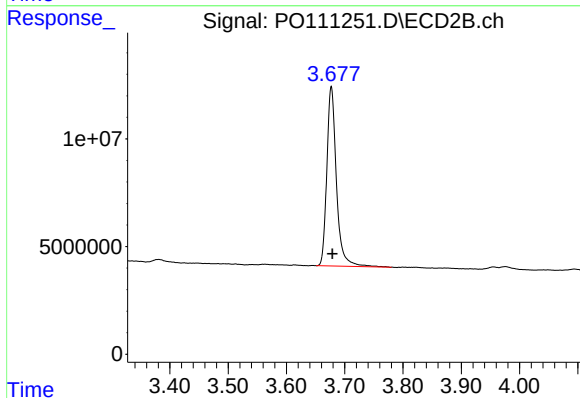
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

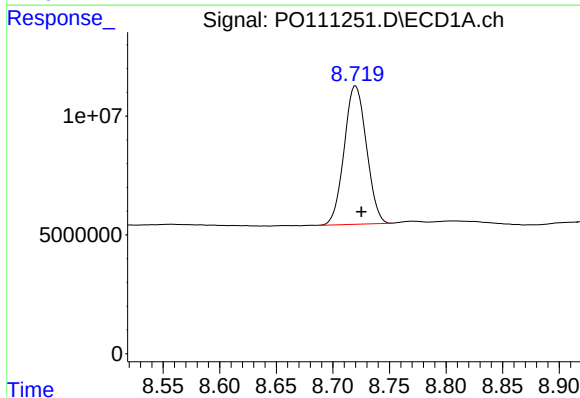
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 113804060
Conc: 19.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



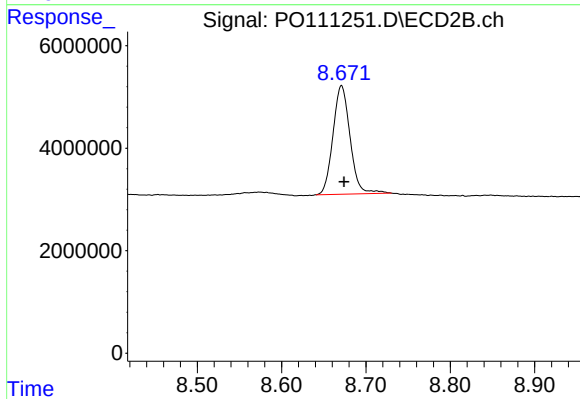
#1 Tetrachloro-m-xylene

R.T.: 3.677 min
Delta R.T.: -0.002 min
Response: 95365552
Conc: 17.49 ng/ml



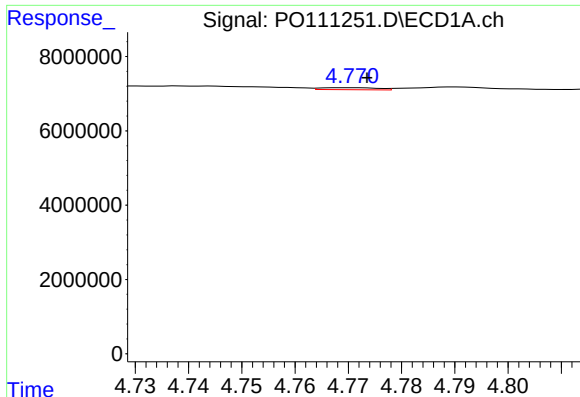
#2 Decachlorobiphenyl

R.T.: 8.720 min
Delta R.T.: -0.005 min
Response: 79628046
Conc: 15.42 ng/ml



#2 Decachlorobiphenyl

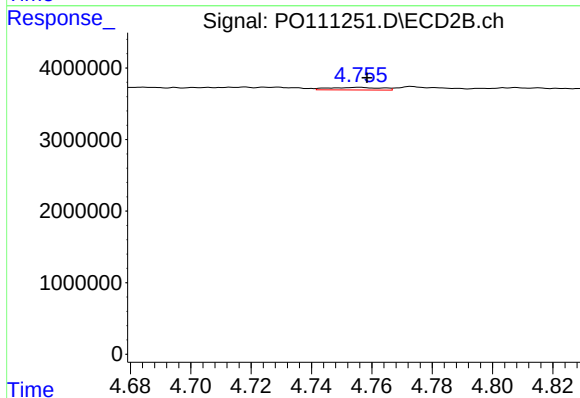
R.T.: 8.671 min
Delta R.T.: -0.003 min
Response: 29863510
Conc: 16.14 ng/ml



#3 AR-1016-1

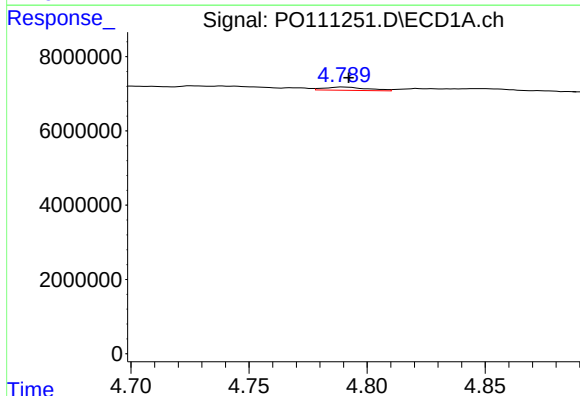
R.T.: 4.769 min
Delta R.T.: -0.005 min
Response: 410649
Conc: 1.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



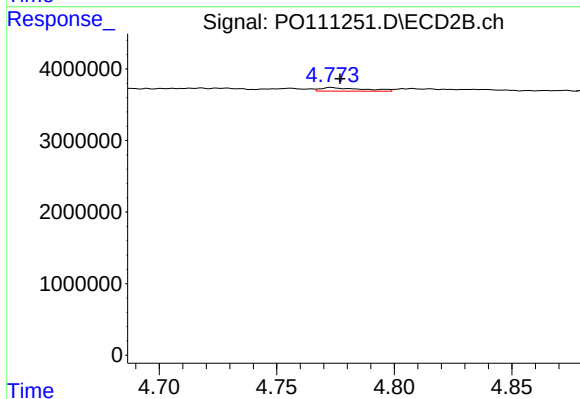
#3 AR-1016-1

R.T.: 4.756 min
Delta R.T.: -0.003 min
Response: 434914
Conc: 2.28 ng/ml



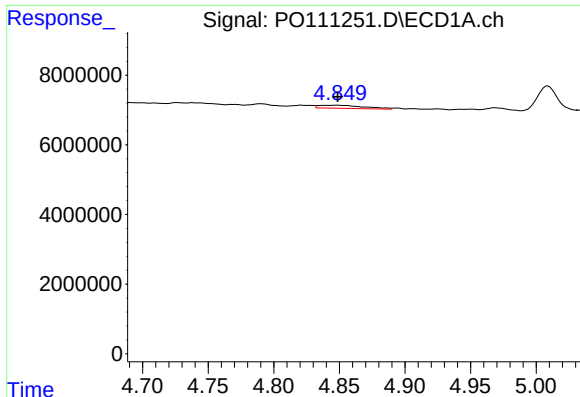
#4 AR-1016-2

R.T.: 4.790 min
Delta R.T.: -0.002 min
Response: 1116319
Conc: 3.50 ng/ml



#4 AR-1016-2

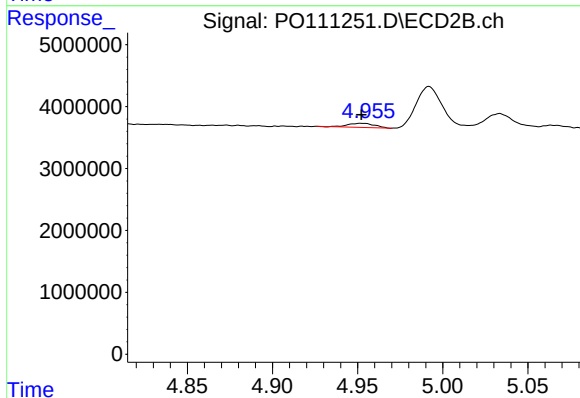
R.T.: 4.773 min
Delta R.T.: -0.004 min
Response: 613535
Conc: 2.21 ng/ml



#5 AR-1016-3

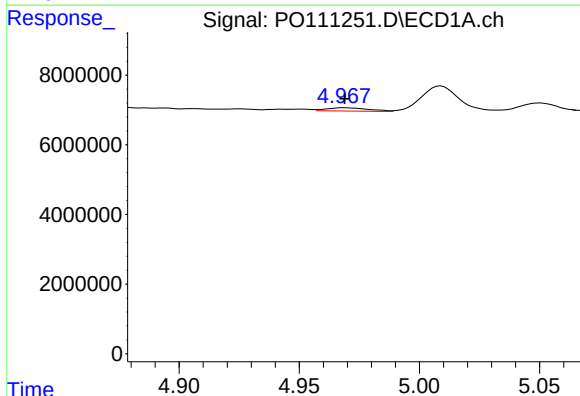
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 2076587
Conc: 9.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



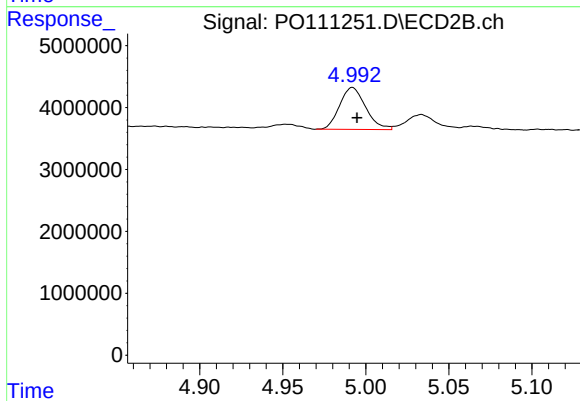
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 720933
Conc: 4.94 ng/ml



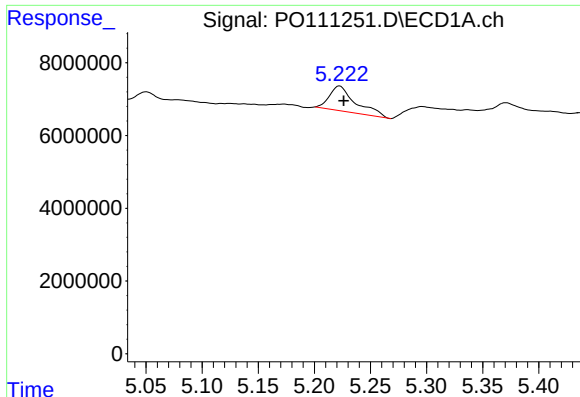
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 1177839
Conc: 6.76 ng/ml



#6 AR-1016-4

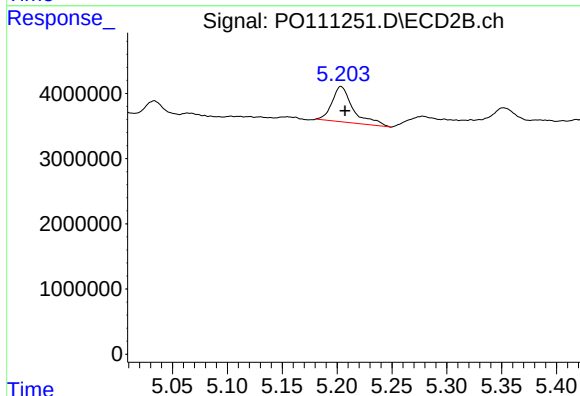
R.T.: 4.992 min
Delta R.T.: -0.003 min
Response: 7407913
Conc: 61.69 ng/ml



#7 AR-1016-5

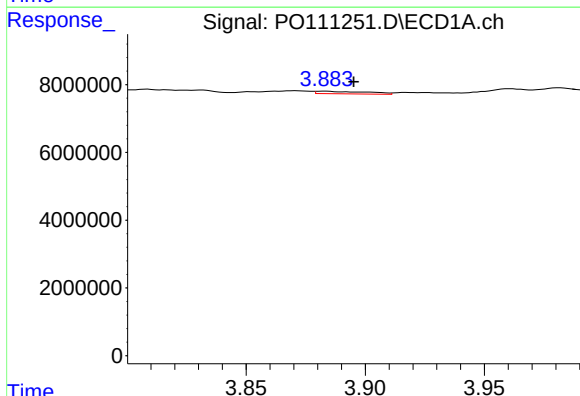
R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 11145372
Conc: 63.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



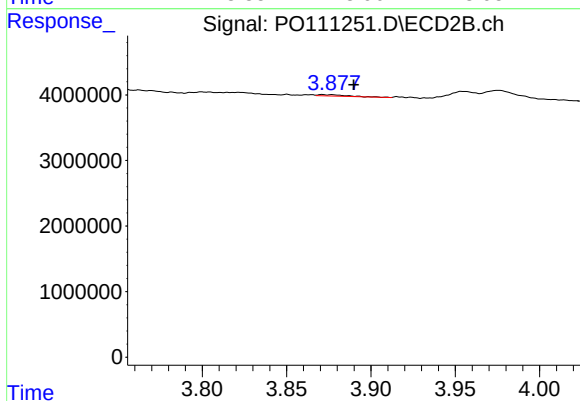
#7 AR-1016-5

R.T.: 5.204 min
Delta R.T.: -0.004 min
Response: 7272700
Conc: 47.10 ng/ml



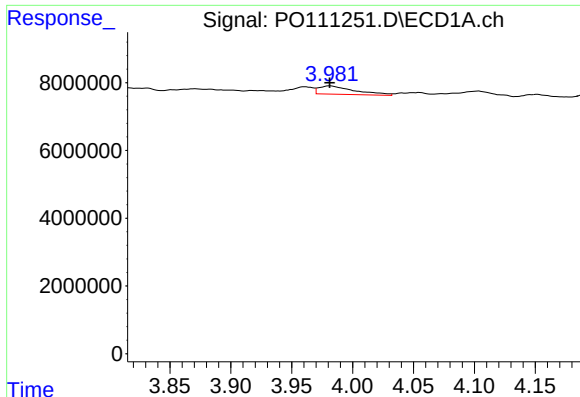
#8 AR-1221-1

R.T.: 3.883 min
Delta R.T.: -0.012 min
Response: 1086438
Conc: 12.47 ng/ml



#8 AR-1221-1

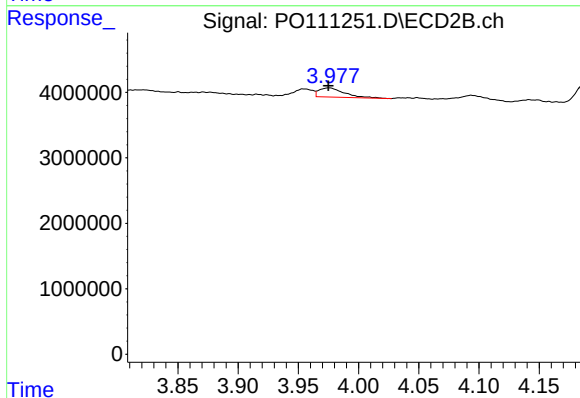
R.T.: 3.871 min
Delta R.T.: -0.019 min
Response: 241413
Conc: 3.27 ng/ml



#9 AR-1221-2

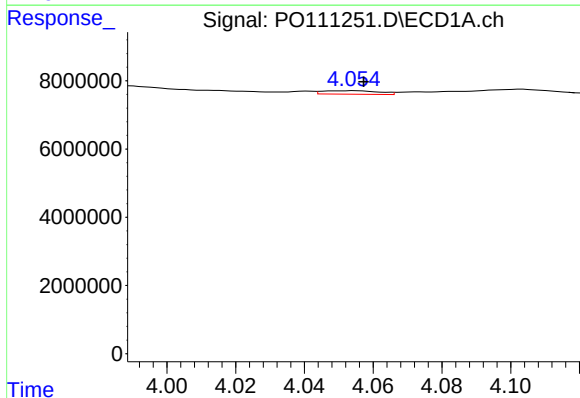
R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 5041610
Conc: 79.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



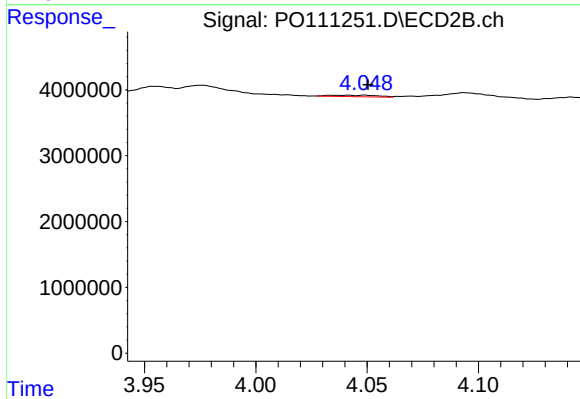
#9 AR-1221-2

R.T.: 3.976 min
Delta R.T.: 0.000 min
Response: 2081718
Conc: 38.26 ng/ml



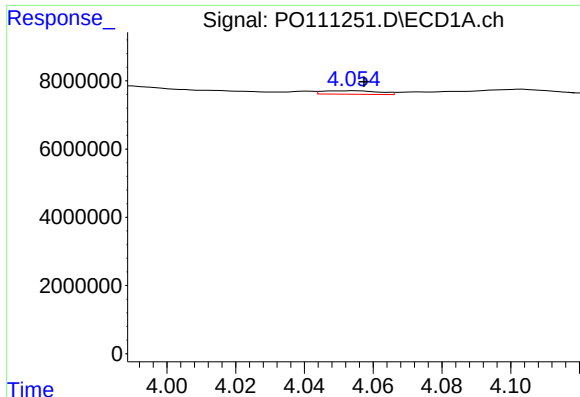
#10 AR-1221-3

R.T.: 4.055 min
Delta R.T.: -0.002 min
Response: 1156709
Conc: 6.01 ng/ml



#10 AR-1221-3

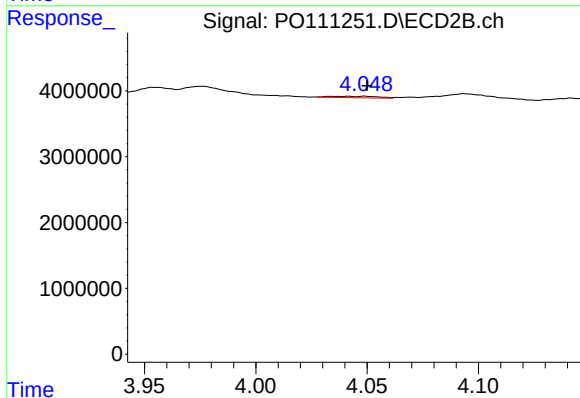
R.T.: 4.049 min
Delta R.T.: -0.002 min
Response: 319467
Conc: 1.91 ng/ml



#11 AR-1232-1

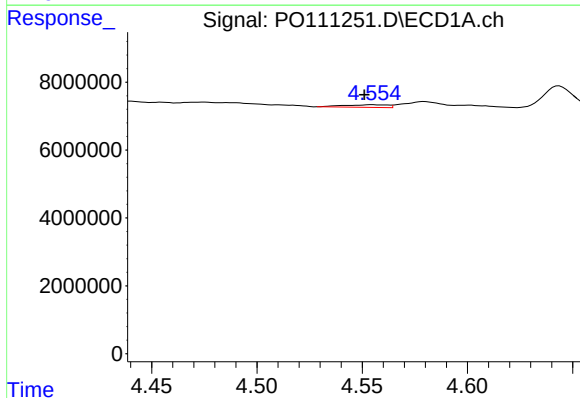
R.T.: 4.055 min
Delta R.T.: -0.002 min
Response: 1156709
Conc: 7.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



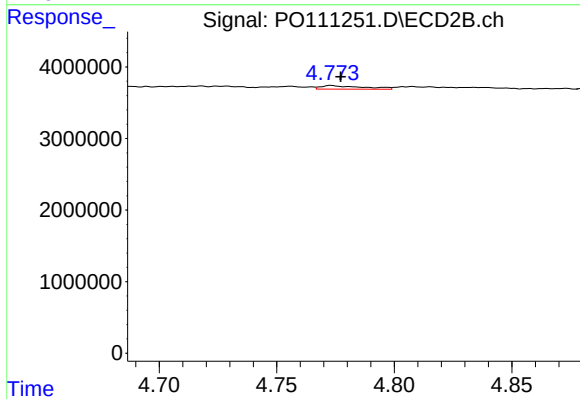
#11 AR-1232-1

R.T.: 4.049 min
Delta R.T.: -0.001 min
Response: 319467
Conc: 2.45 ng/ml



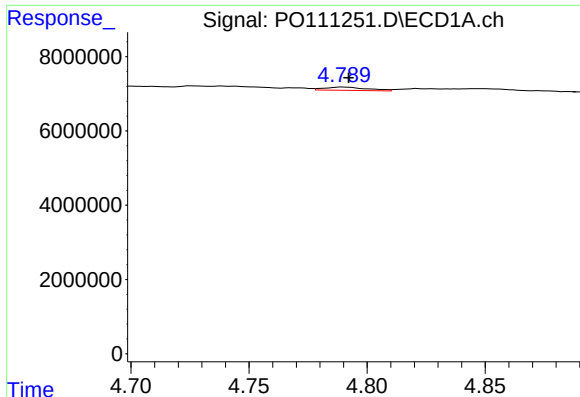
#12 AR-1232-2

R.T.: 4.555 min
Delta R.T.: 0.004 min
Response: 1126451
Conc: 13.75 ng/ml



#12 AR-1232-2

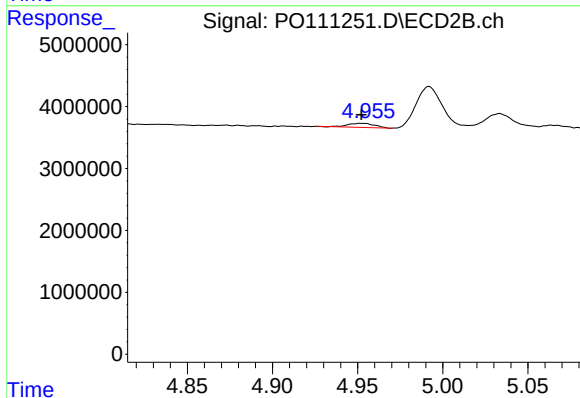
R.T.: 4.773 min
Delta R.T.: -0.004 min
Response: 613535
Conc: 4.68 ng/ml



#13 AR-1232-3

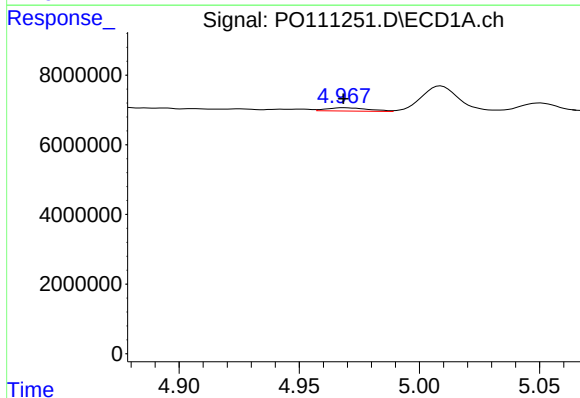
R.T.: 4.790 min
Delta R.T.: -0.002 min
Response: 1116319
Conc: 7.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



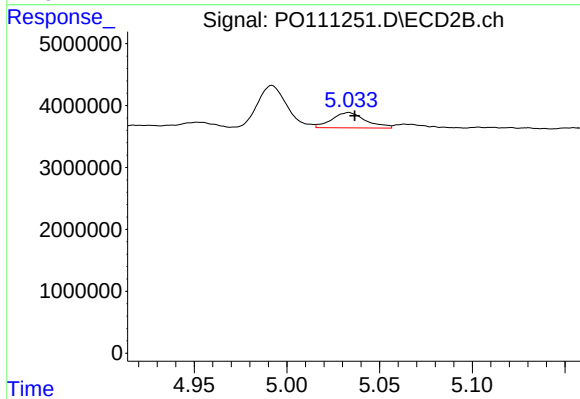
#13 AR-1232-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 720933
Conc: 10.59 ng/ml



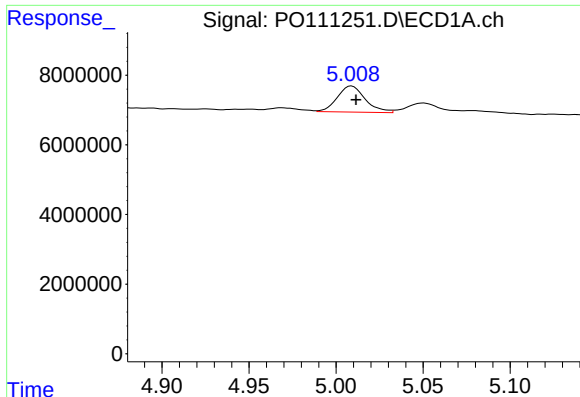
#14 AR-1232-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 1177839
Conc: 14.32 ng/ml



#14 AR-1232-4

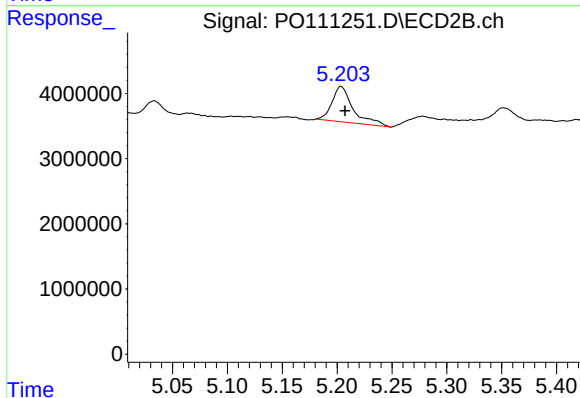
R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 3136175
Conc: 50.85 ng/ml



#15 AR-1232-5

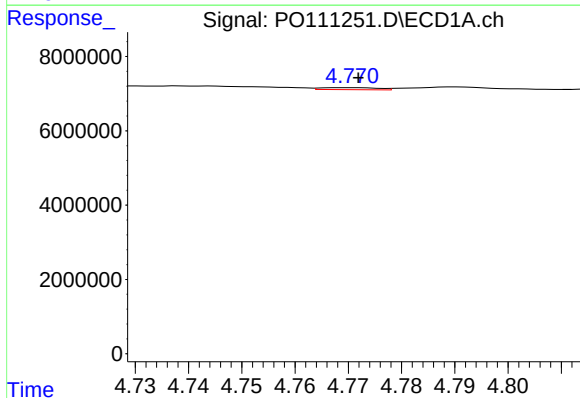
R.T.: 5.009 min
Delta R.T.: -0.003 min
Response: 8400700
Conc: 154.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



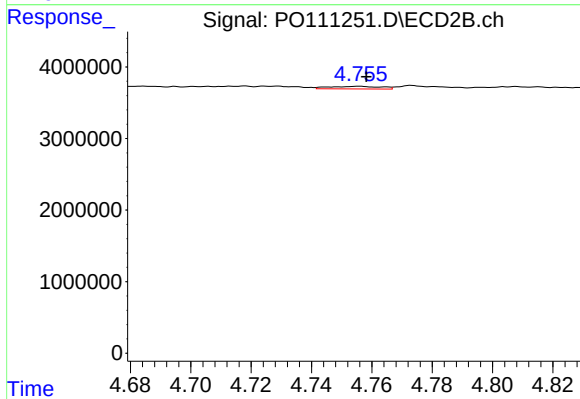
#15 AR-1232-5

R.T.: 5.204 min
Delta R.T.: -0.004 min
Response: 7272700
Conc: 110.64 ng/ml



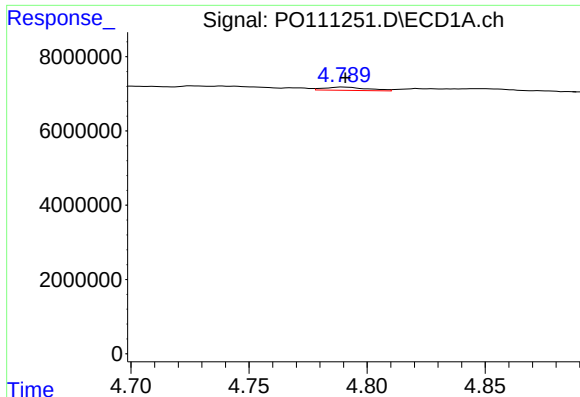
#16 AR-1242-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 410649
Conc: 2.15 ng/ml



#16 AR-1242-1

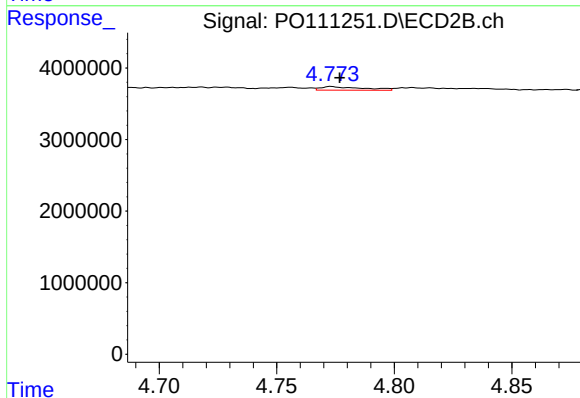
R.T.: 4.756 min
Delta R.T.: -0.003 min
Response: 434914
Conc: 2.70 ng/ml



#17 AR-1242-2

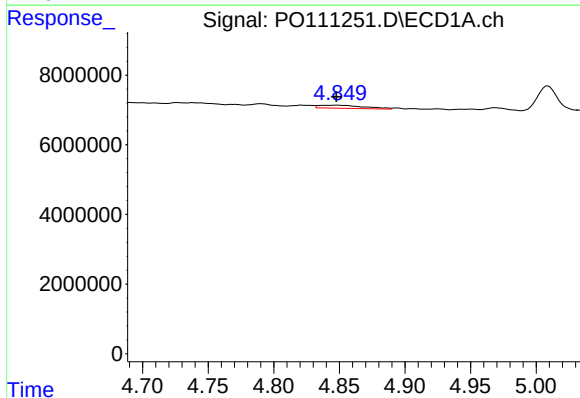
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 1116319
Conc: 4.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



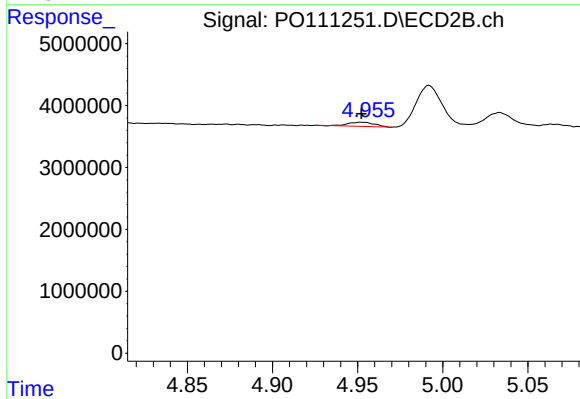
#17 AR-1242-2

R.T.: 4.773 min
Delta R.T.: -0.003 min
Response: 613535
Conc: 2.62 ng/ml



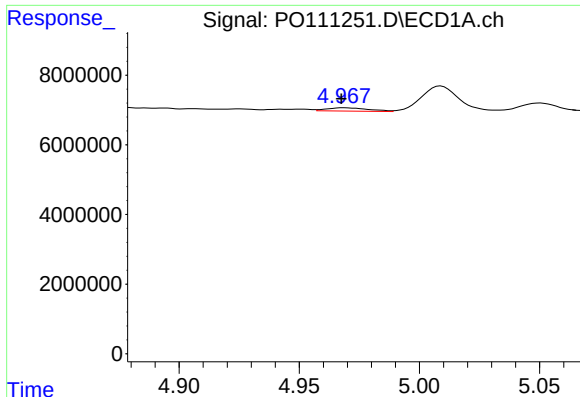
#18 AR-1242-3

R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 2076587
Conc: 11.17 ng/ml



#18 AR-1242-3

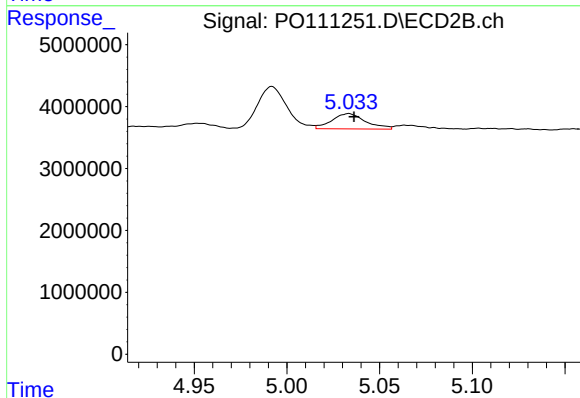
R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 720933
Conc: 5.83 ng/ml



#19 AR-1242-4

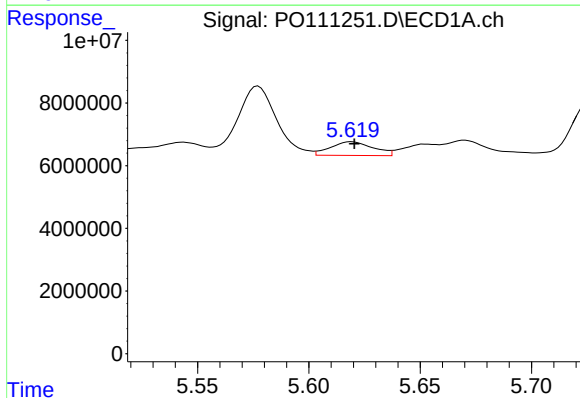
R.T.: 4.969 min
Delta R.T.: 0.001 min
Response: 1177839
Conc: 7.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



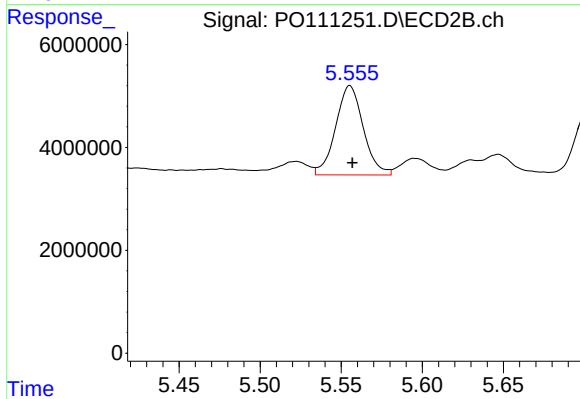
#19 AR-1242-4

R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 3136175
Conc: 25.37 ng/ml



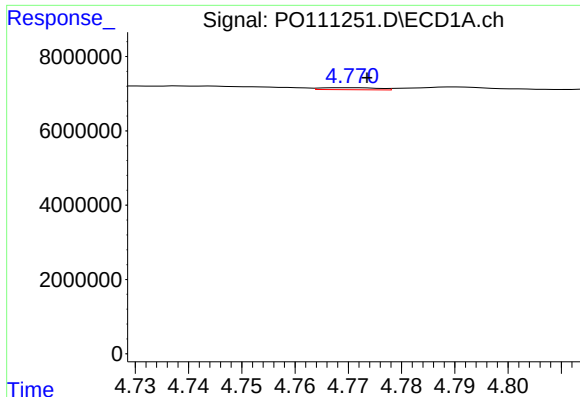
#20 AR-1242-5

R.T.: 5.619 min
Delta R.T.: -0.001 min
Response: 5836210
Conc: 37.52 ng/ml



#20 AR-1242-5

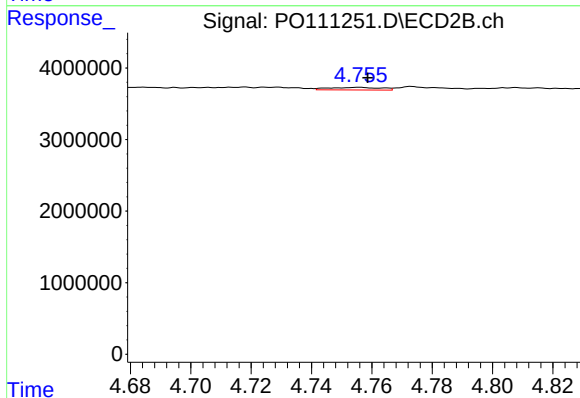
R.T.: 5.555 min
Delta R.T.: -0.002 min
Response: 20600015
Conc: 135.54 ng/ml



#21 AR-1248-1

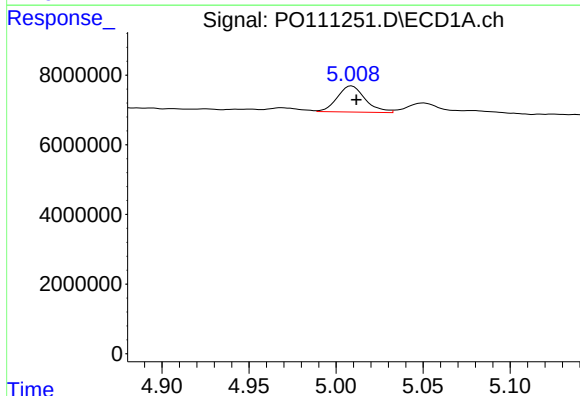
R.T.: 4.769 min
Delta R.T.: -0.005 min
Response: 410649
Conc: 2.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



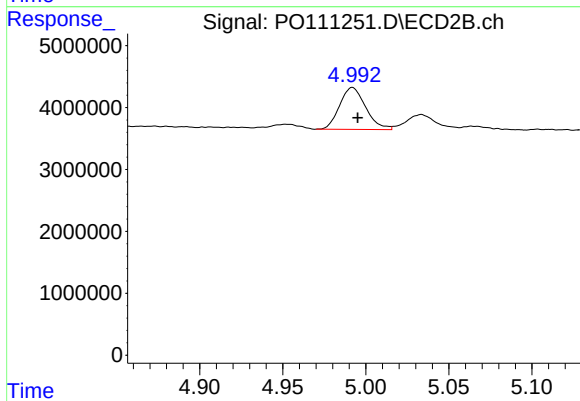
#21 AR-1248-1

R.T.: 4.756 min
Delta R.T.: -0.003 min
Response: 434914
Conc: 3.35 ng/ml



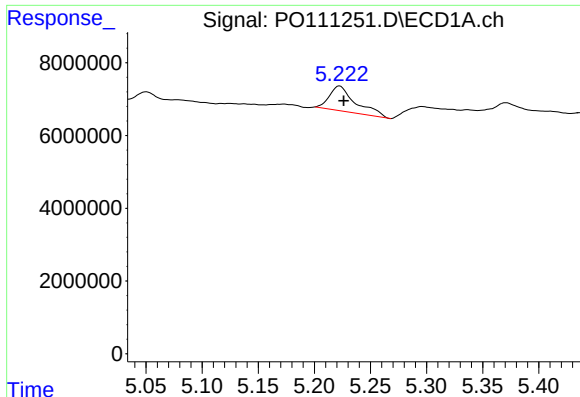
#22 AR-1248-2

R.T.: 5.009 min
Delta R.T.: -0.003 min
Response: 8400700
Conc: 41.90 ng/ml



#22 AR-1248-2

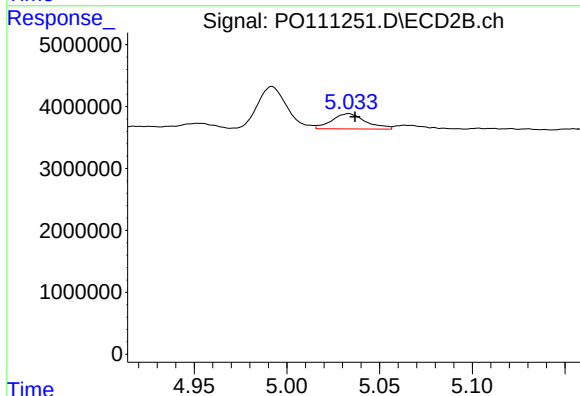
R.T.: 4.992 min
Delta R.T.: -0.003 min
Response: 7407913
Conc: 42.12 ng/ml



#23 AR-1248-3

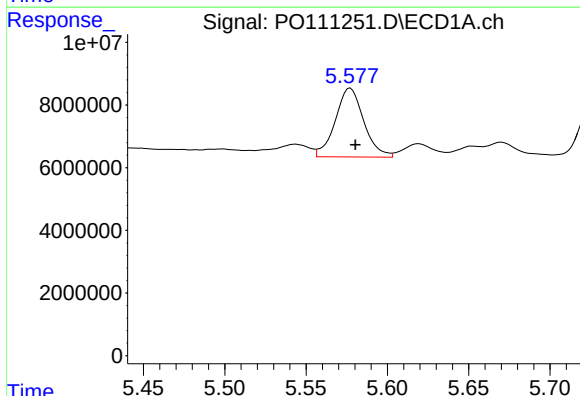
R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 11145372
Conc: 43.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



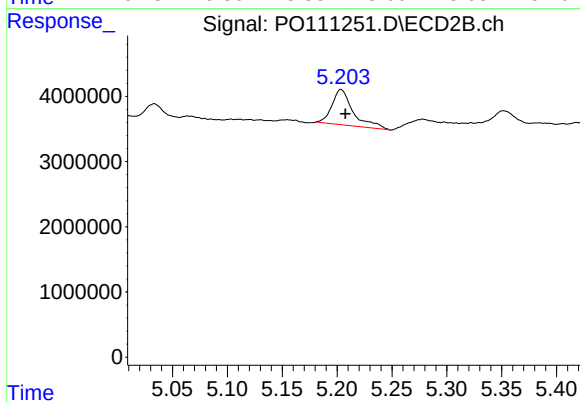
#23 AR-1248-3

R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 3136175
Conc: 16.72 ng/ml



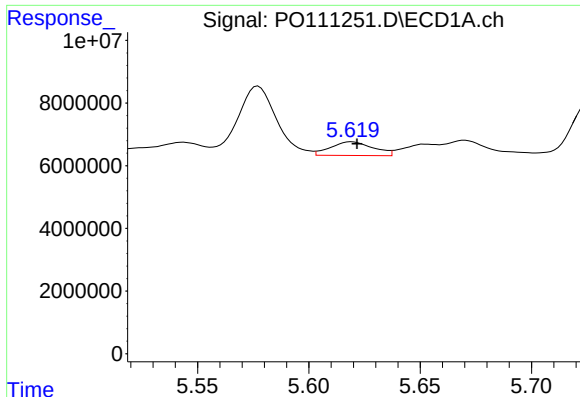
#24 AR-1248-4

R.T.: 5.577 min
Delta R.T.: -0.003 min
Response: 26757029
Conc: 73.88 ng/ml



#24 AR-1248-4

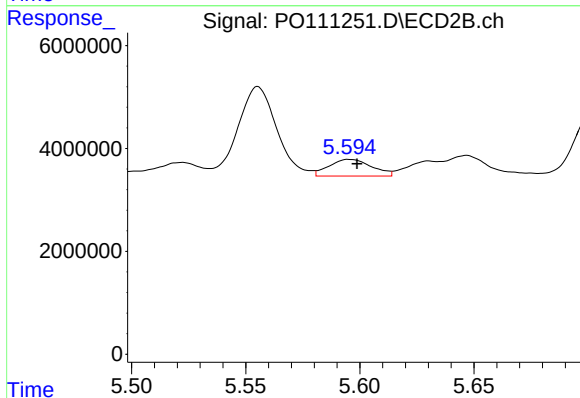
R.T.: 5.204 min
Delta R.T.: -0.004 min
Response: 7272700
Conc: 33.08 ng/ml



#25 AR-1248-5

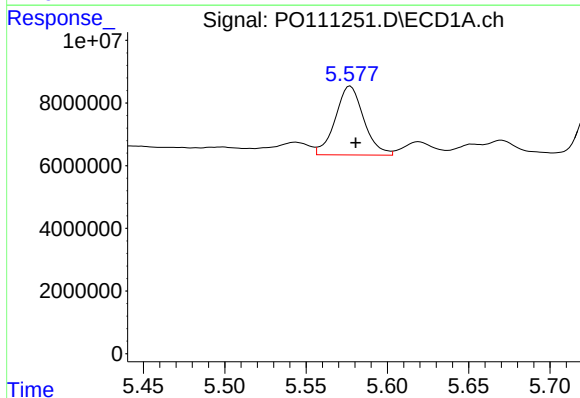
R.T.: 5.619 min
Delta R.T.: -0.002 min
Response: 5836210
Conc: 22.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



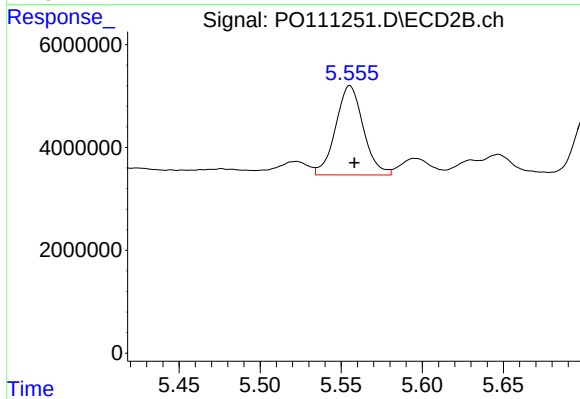
#25 AR-1248-5

R.T.: 5.595 min
Delta R.T.: -0.003 min
Response: 4226339
Conc: 19.36 ng/ml



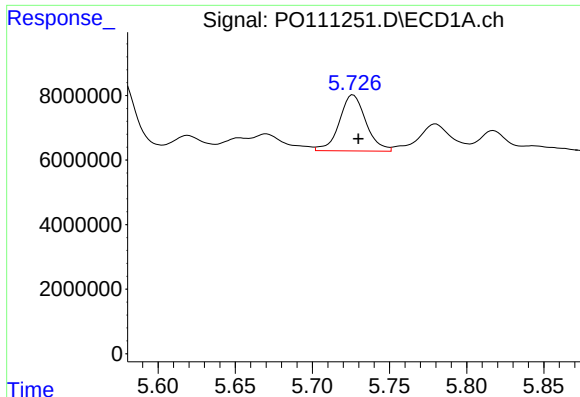
#26 AR-1254-1

R.T.: 5.577 min
Delta R.T.: -0.003 min
Response: 26757029
Conc: 70.49 ng/ml



#26 AR-1254-1

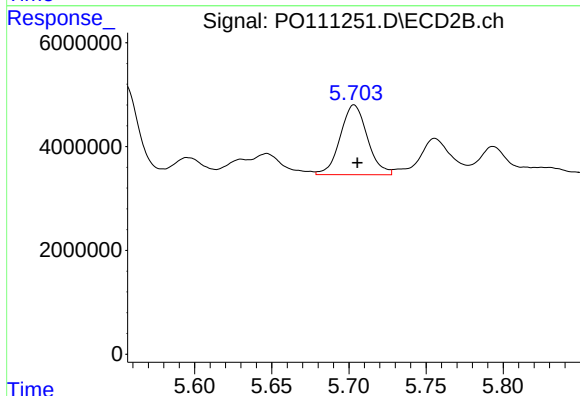
R.T.: 5.555 min
Delta R.T.: -0.003 min
Response: 20600015
Conc: 63.57 ng/ml



#27 AR-1254-2

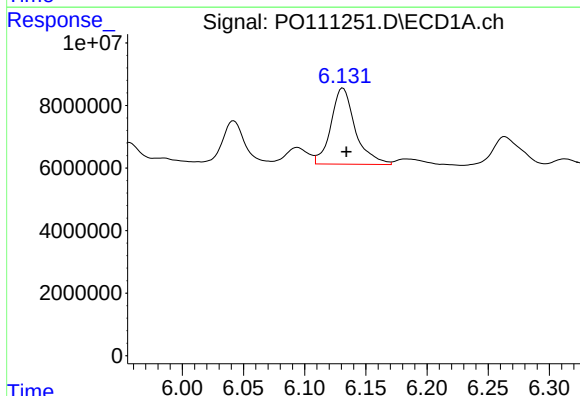
R.T.: 5.726 min
Delta R.T.: -0.003 min
Response: 20781018
Conc: 63.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



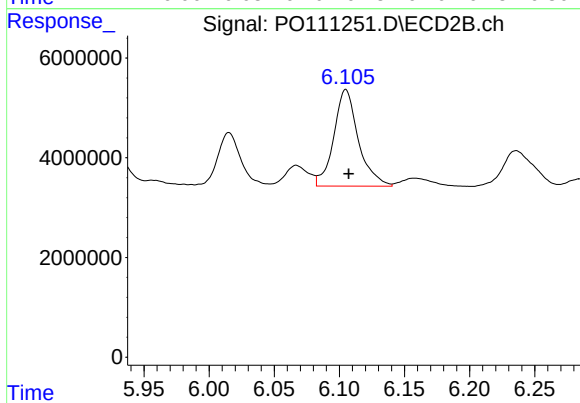
#27 AR-1254-2

R.T.: 5.703 min
Delta R.T.: -0.002 min
Response: 16465451
Conc: 58.13 ng/ml



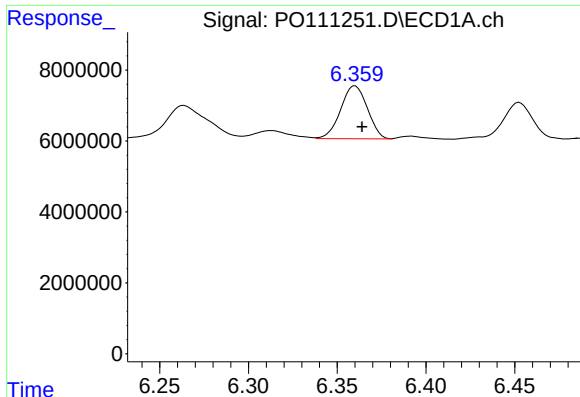
#28 AR-1254-3

R.T.: 6.131 min
Delta R.T.: -0.003 min
Response: 33751557
Conc: 64.15 ng/ml



#28 AR-1254-3

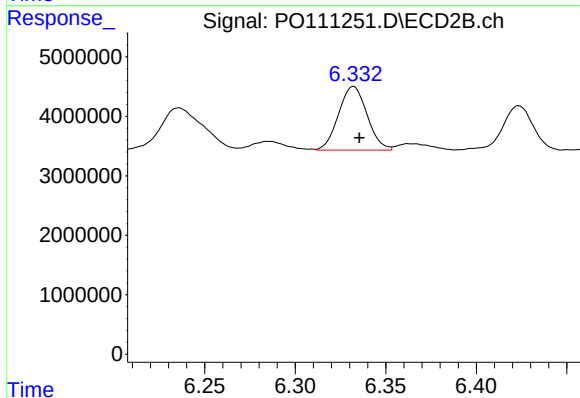
R.T.: 6.105 min
Delta R.T.: -0.002 min
Response: 25477922
Conc: 59.05 ng/ml



#29 AR-1254-4

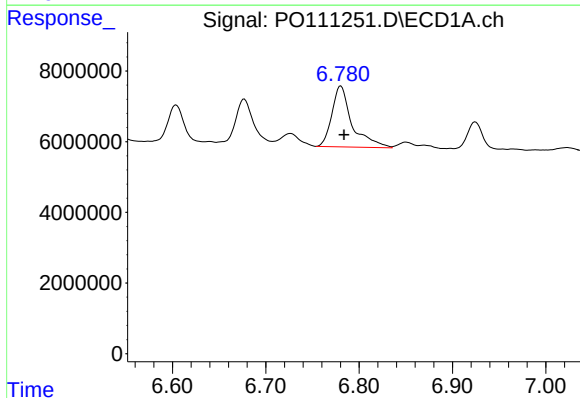
R.T.: 6.360 min
Delta R.T.: -0.004 min
Response: 15694508
Conc: 46.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



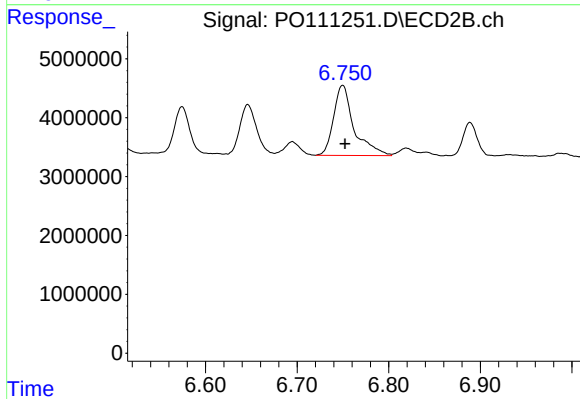
#29 AR-1254-4

R.T.: 6.332 min
Delta R.T.: -0.003 min
Response: 11762415
Conc: 47.55 ng/ml



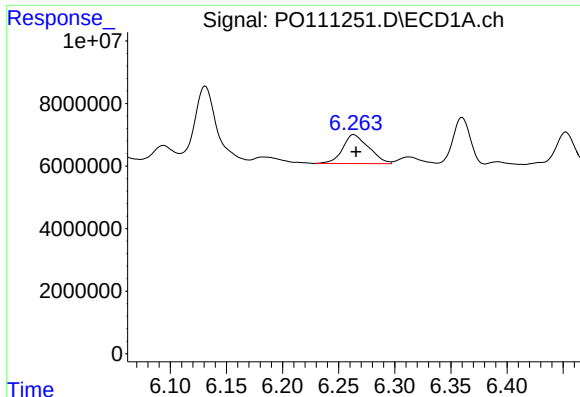
#30 AR-1254-5

R.T.: 6.780 min
Delta R.T.: -0.003 min
Response: 25819644
Conc: 54.42 ng/ml



#30 AR-1254-5

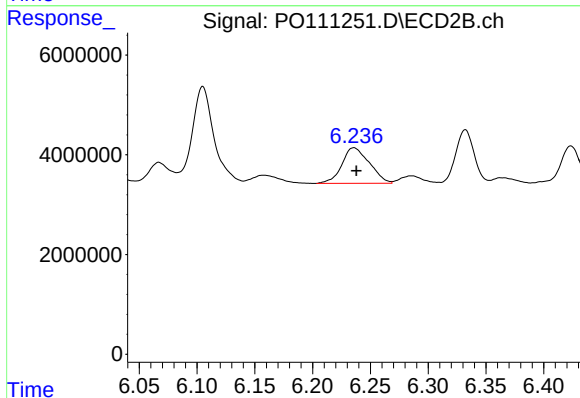
R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 18450692
Conc: 53.33 ng/ml



#31 AR-1260-1

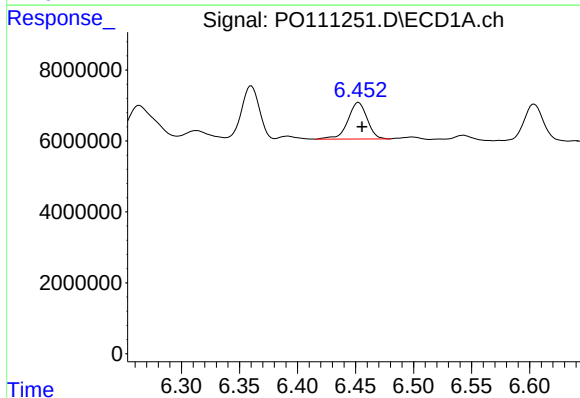
R.T.: 6.264 min
Delta R.T.: -0.002 min
Response: 14961029
Conc: 49.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



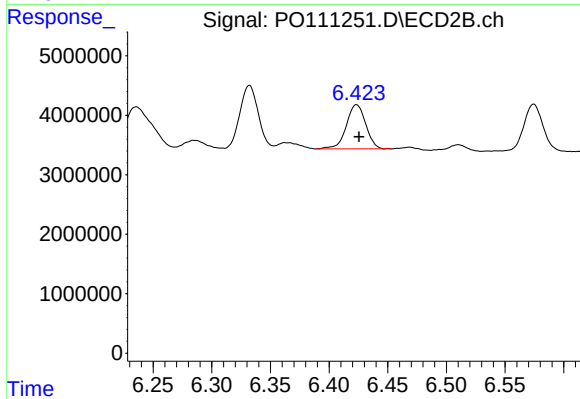
#31 AR-1260-1

R.T.: 6.236 min
Delta R.T.: -0.002 min
Response: 11800601
Conc: 47.22 ng/ml



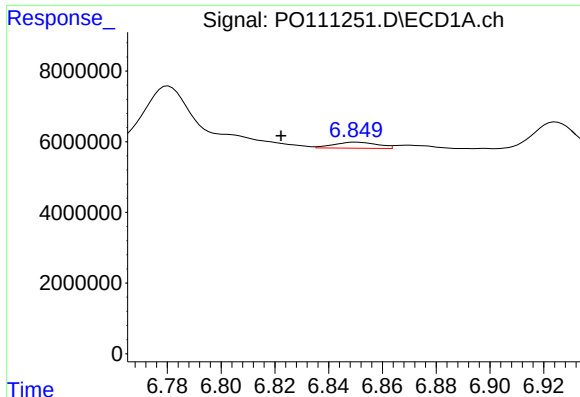
#32 AR-1260-2

R.T.: 6.453 min
Delta R.T.: -0.003 min
Response: 11867930
Conc: 30.99 ng/ml



#32 AR-1260-2

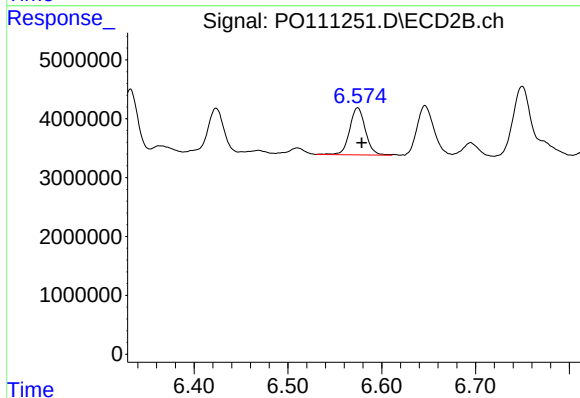
R.T.: 6.423 min
Delta R.T.: -0.002 min
Response: 8556620
Conc: 29.08 ng/ml



#33 AR-1260-3

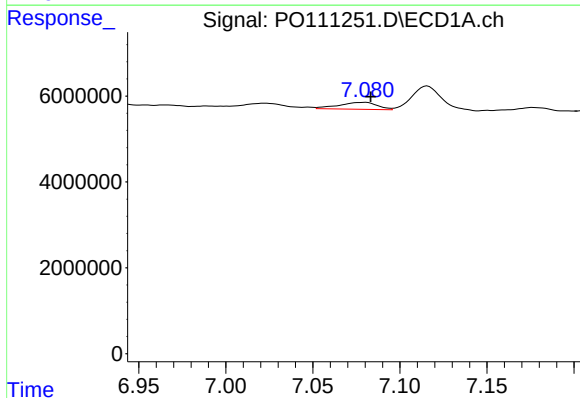
R.T.: 6.850 min
Delta R.T.: 0.028 min
Response: 1928073
Conc: 5.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



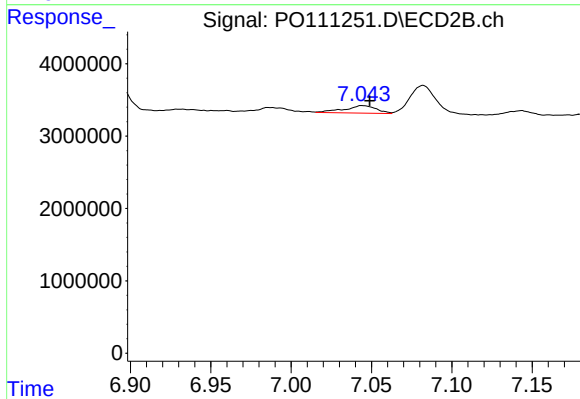
#33 AR-1260-3

R.T.: 6.574 min
Delta R.T.: -0.004 min
Response: 9329552
Conc: 32.54 ng/ml



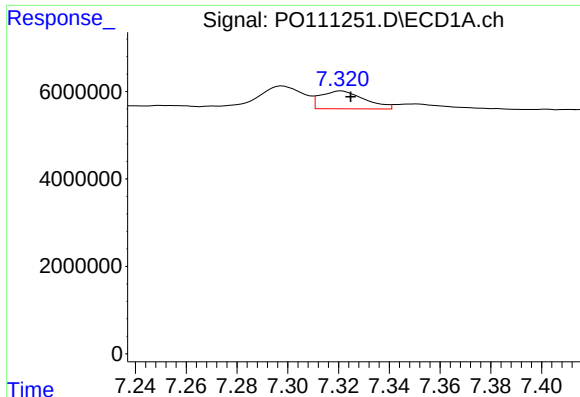
#34 AR-1260-4

R.T.: 7.080 min
Delta R.T.: -0.003 min
Response: 2508103
Conc: 8.96 ng/ml



#34 AR-1260-4

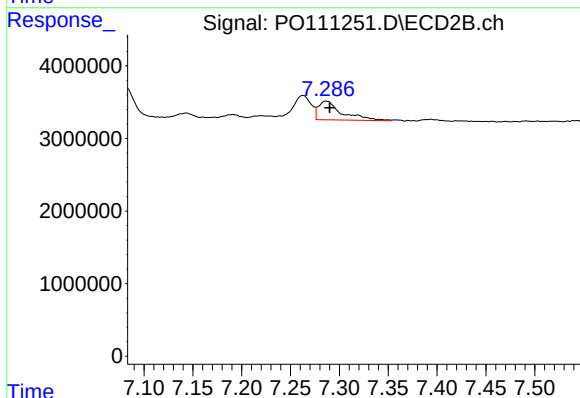
R.T.: 7.044 min
Delta R.T.: -0.004 min
Response: 1459430
Conc: 7.27 ng/ml



#35 AR-1260-5

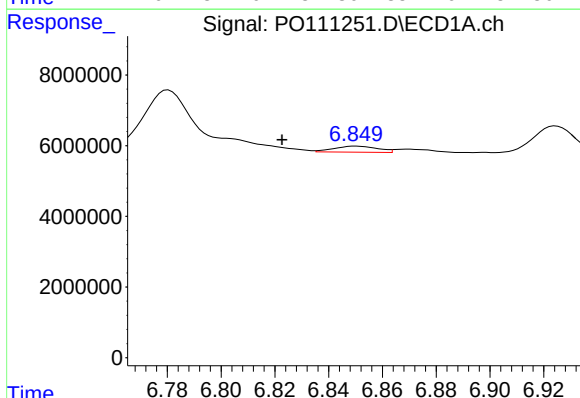
R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 4929638
Conc: 6.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



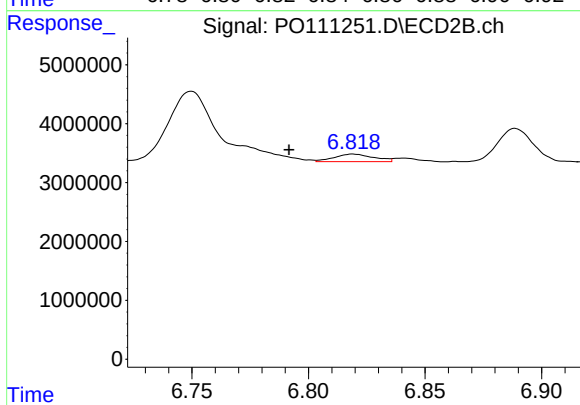
#35 AR-1260-5

R.T.: 7.287 min
Delta R.T.: -0.004 min
Response: 4327360
Conc: 9.42 ng/ml



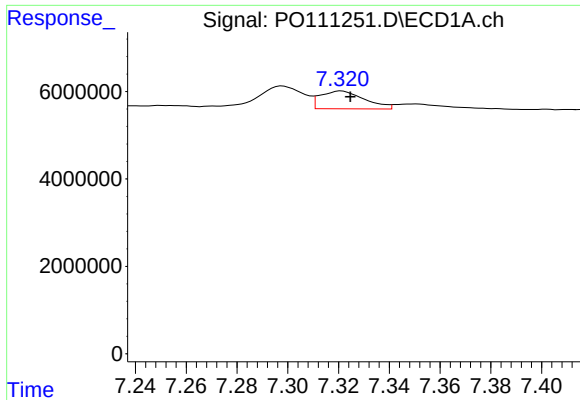
#36 AR-1262-1

R.T.: 6.850 min
Delta R.T.: 0.027 min
Response: 1928073
Conc: 3.96 ng/ml



#36 AR-1262-1

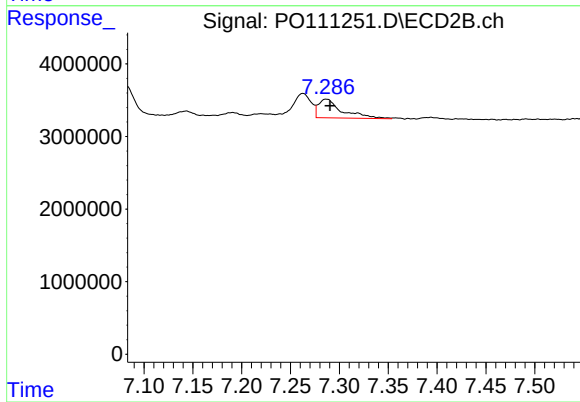
R.T.: 6.819 min
Delta R.T.: 0.027 min
Response: 1517198
Conc: 4.45 ng/ml



#37 AR-1262-2

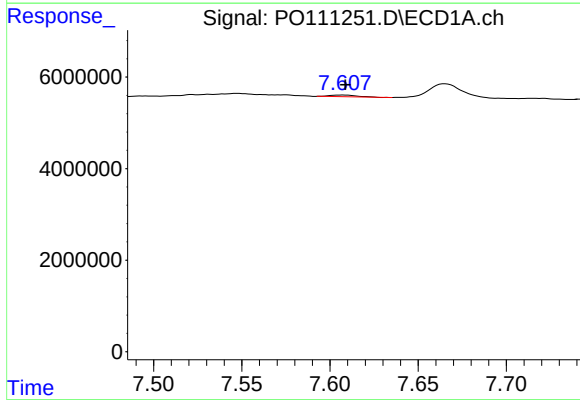
R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 4929638
Conc: 6.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



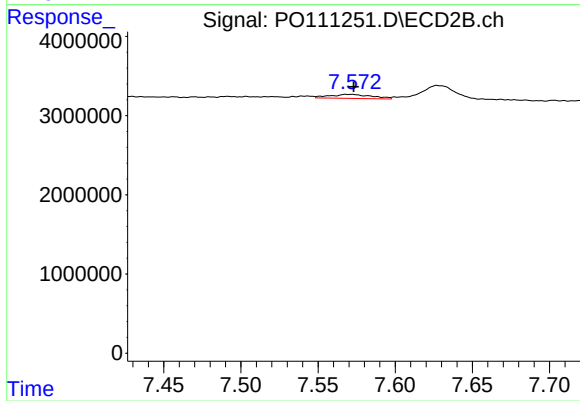
#37 AR-1262-2

R.T.: 7.287 min
Delta R.T.: -0.004 min
Response: 4327360
Conc: 8.61 ng/ml



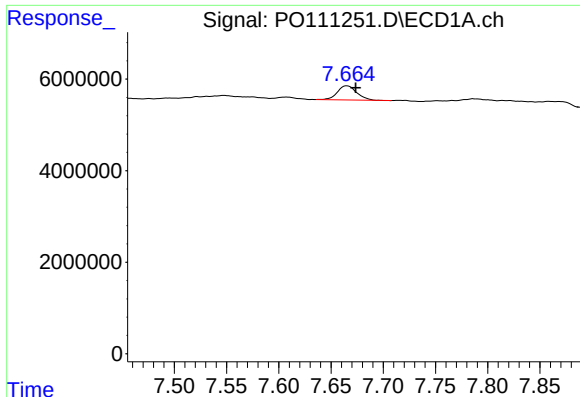
#38 AR-1262-3

R.T.: 7.607 min
Delta R.T.: -0.002 min
Response: 386287
Conc: 1.14 ng/ml



#38 AR-1262-3

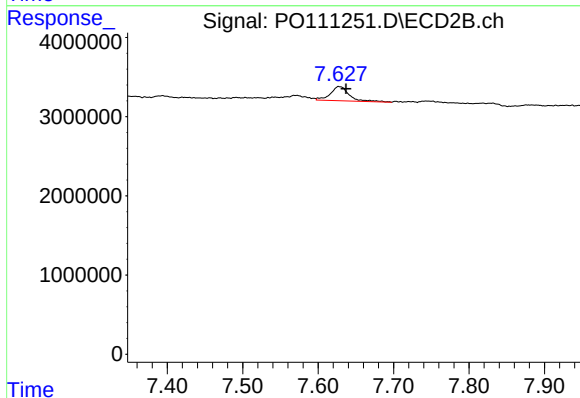
R.T.: 7.571 min
Delta R.T.: -0.002 min
Response: 958155
Conc: 5.11 ng/ml



#39 AR-1262-4

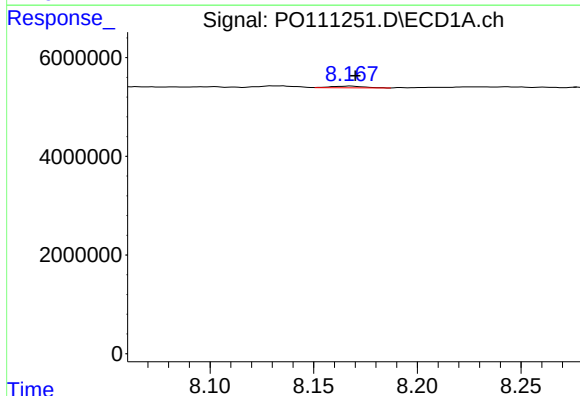
R.T.: 7.665 min
Delta R.T.: -0.008 min
Response: 3976703
Conc: 6.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



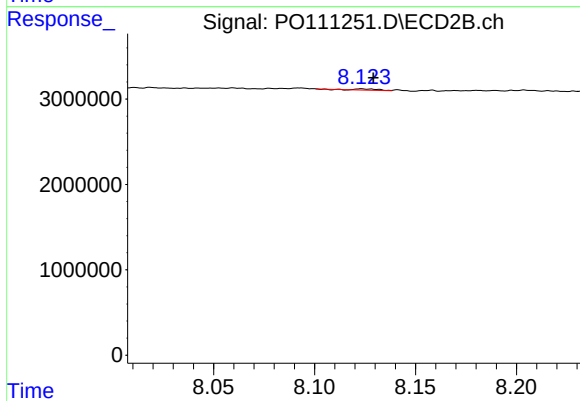
#39 AR-1262-4

R.T.: 7.628 min
Delta R.T.: -0.010 min
Response: 3097704
Conc: 9.38 ng/ml



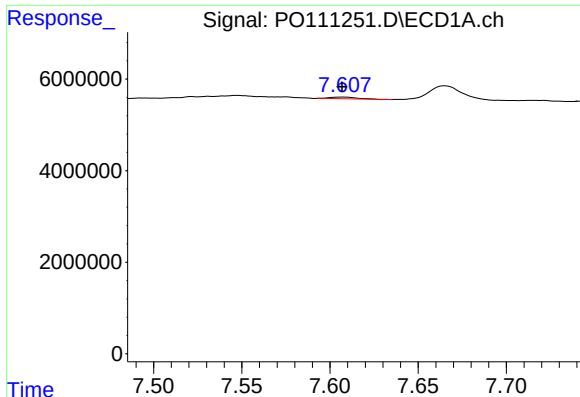
#40 AR-1262-5

R.T.: 8.168 min
Delta R.T.: -0.002 min
Response: 382062
Conc: 1.34 ng/ml



#40 AR-1262-5

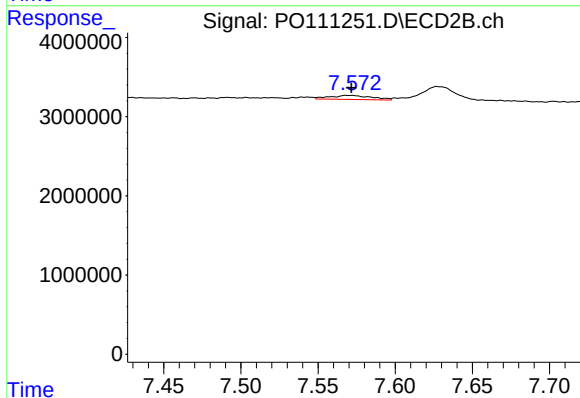
R.T.: 8.123 min
Delta R.T.: -0.006 min
Response: 108752
Conc: 0.97 ng/ml



#41 AR-1268-1

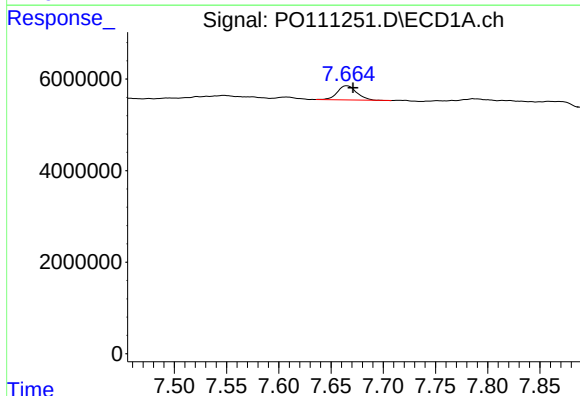
R.T.: 7.607 min
Delta R.T.: 0.000 min
Response: 386287
Conc: 0.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



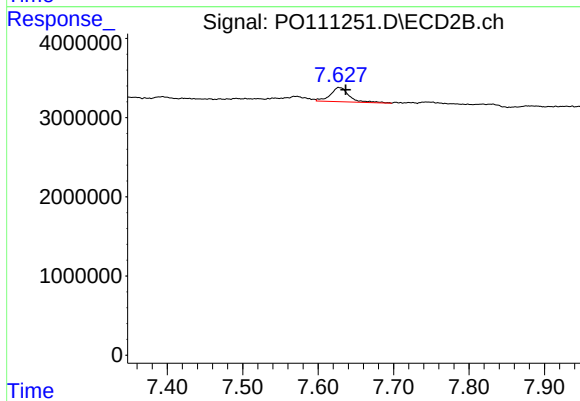
#41 AR-1268-1

R.T.: 7.571 min
Delta R.T.: 0.000 min
Response: 958155
Conc: 1.81 ng/ml



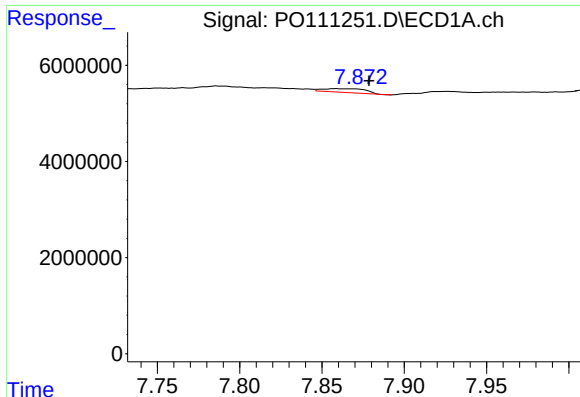
#42 AR-1268-2

R.T.: 7.665 min
Delta R.T.: -0.006 min
Response: 3976703
Conc: 4.46 ng/ml



#42 AR-1268-2

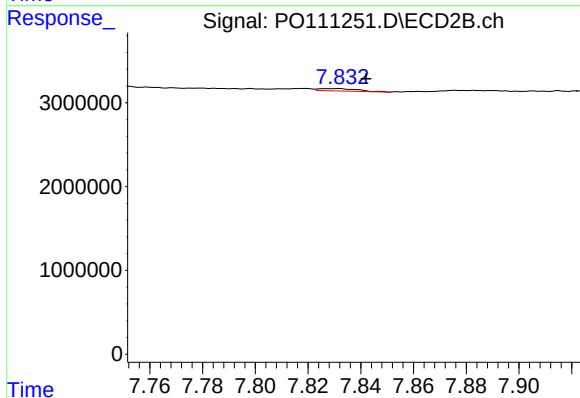
R.T.: 7.628 min
Delta R.T.: -0.009 min
Response: 3097704
Conc: 6.42 ng/ml



#43 AR-1268-3

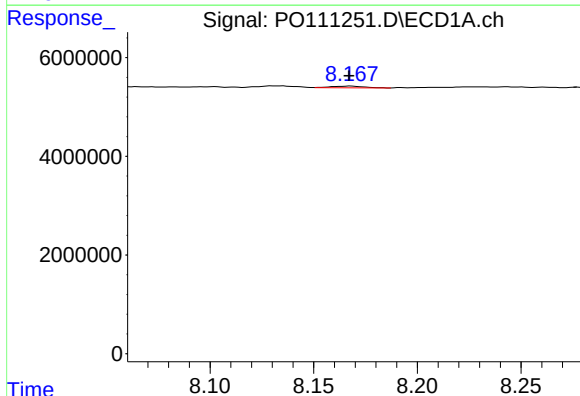
R.T.: 7.859 min
Delta R.T.: -0.020 min
Response: 1420744
Conc: 1.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



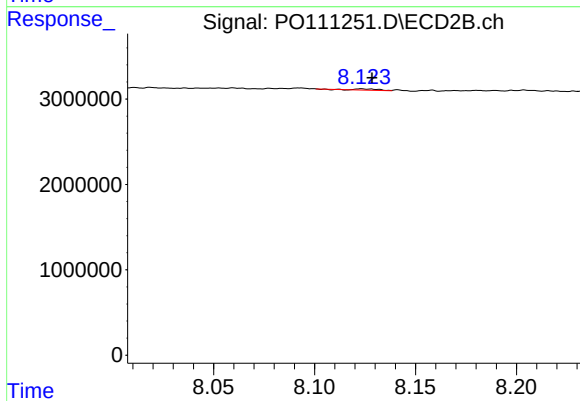
#43 AR-1268-3

R.T.: 7.831 min
Delta R.T.: -0.011 min
Response: 281799
Conc: 0.81 ng/ml



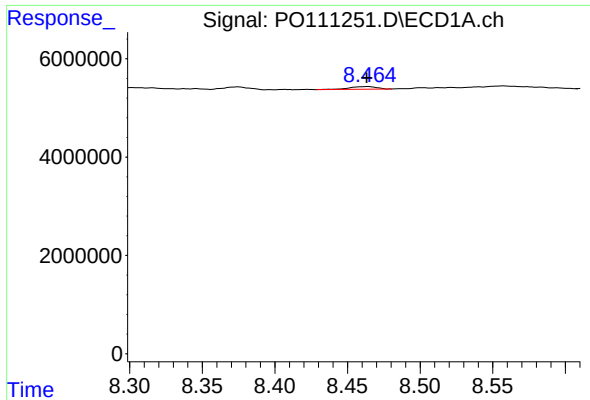
#44 AR-1268-4

R.T.: 8.168 min
Delta R.T.: 0.000 min
Response: 382062
Conc: 1.17 ng/ml



#44 AR-1268-4

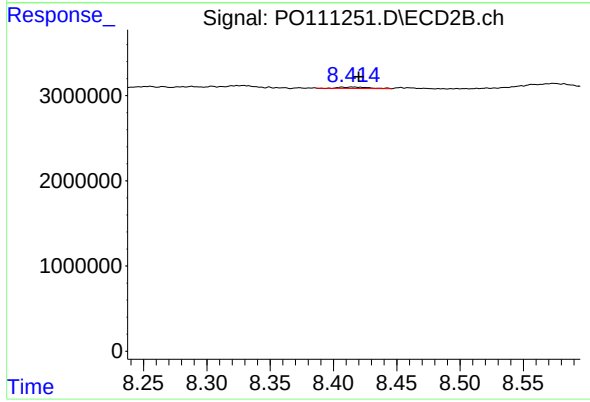
R.T.: 8.123 min
Delta R.T.: -0.005 min
Response: 108752
Conc: 0.85 ng/ml



#45 AR-1268-5

R.T.: 8.464 min
Delta R.T.: 0.001 min
Response: 705394
Conc: 0.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
RBR251372



#45 AR-1268-5

R.T.: 8.415 min
Delta R.T.: -0.005 min
Response: 259957
Conc: 0.35 ng/ml