

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_R\Data\PR100522\
 Data File : PR057204.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Oct 2022 23:28
 Operator : AJ\MA
 Sample : N4986-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_R
 ClientSampleId :
 40125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 05:04:24 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_R\Method\PR092922.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Sep 29 10:58:42 2022
 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...	3.614	2.884	61599400	33291661	19.163	19.146
2)	SA Decachlor...	9.494	8.083	52855149	35424804	25.874	21.952
Target Compounds							
3)	L1 AR-1016-1	4.849	4.009f	5231825	1177107	53.033	23.950 #
4)	L1 AR-1016-2	4.849	4.009	5231825	1177107	36.320	15.731 #
5)	L1 AR-1016-3	4.917	0.000	1580067	0	17.936	N.D. #
6)	L1 AR-1016-4	5.023	4.228	5832263	1029678	82.472	34.389 #
7)	L1 AR-1016-5	0.000	4.434	0	1593871	N.D.	40.490 #
8)	L2 AR-1221-1	0.000	3.103	0	138767	N.D.	6.742 #
9)	L2 AR-1221-2	3.929	3.183	697783	729630	23.094	46.122 #
10)	L2 AR-1221-3	4.014	0.000	1137564	0	13.127	N.D. #
11)	L3 AR-1232-1	4.014	0.000	1137564	0	16.293	N.D. #
12)	L3 AR-1232-2	0.000	4.009	0	1177107	N.D.	33.691 #
13)	L3 AR-1232-3	4.849	0.000	5231825	0	77.476	N.D. #
14)	L3 AR-1232-4	5.023	4.271	5832263	885147	177.692	57.962 #
15)	L3 AR-1232-5	5.116	4.434	3622035	1593871	154.298	91.026 #
16)	L4 AR-1242-1	4.849	4.009f	5231825	1177107	59.425	27.191 #
17)	L4 AR-1242-2	4.849	4.009	5231825	1177107	41.209	17.884 #
18)	L4 AR-1242-3	4.917	0.000	1580067	0	19.998	N.D. #
19)	L4 AR-1242-4	5.023	4.271	5832263	885147	95.140	27.545 #
20)	L4 AR-1242-5	5.815	4.808	3527642	1170230	56.287	29.394 #
21)	L5 AR-1248-1	4.849	4.009f	5231825	1177107	84.063	38.621 #
22)	L5 AR-1248-2	5.116	4.228	3622035	1029678	44.754	24.407 #
23)	L5 AR-1248-3	0.000	4.271	0	885147	N.D.	20.109 #
24)	L5 AR-1248-4	5.767	4.434	2388719	1593871	22.888	29.727 #
25)	L5 AR-1248-5	5.815	4.852	3527642	704745	35.267	13.260 #
26)	L6 AR-1254-1	5.767f	4.808	2388719	1170230	21.644	14.684 #
27)	L6 AR-1254-2	5.978	4.969	3288068	870903	19.841	12.553 #
28)	L6 AR-1254-3	6.374	5.386	3607569	991320	21.316	8.787 #
29)	L6 AR-1254-4	6.669f	5.627	2559600	358067	20.961	5.480 #
30)	L6 AR-1254-5	7.138	6.068	3397860	553792	26.389	5.555 #
31)	L7 AR-1260-1	6.524f	5.523	2263616	1040213	17.905	13.933
32)	L7 AR-1260-2	6.831	5.727	8174196	738409	53.022	8.076 #
33)	L7 AR-1260-3	7.222	5.887	3785534	1241389	30.851	14.686 #
34)	L7 AR-1260-4	7.457	6.382	1837773	338714	14.726	4.729 #
35)	L7 AR-1260-5	7.804	6.649	5228500	824516	20.886	4.773 #
36)	L8 AR-1262-1	7.222	6.112	3785534	502021	23.690	5.119 #
37)	L8 AR-1262-2	7.804	6.382	5228500	338714	19.704	3.875 #
38)	L8 AR-1262-3	8.112	6.951	2628174	274688	14.446	3.616 #
39)	L8 AR-1262-4	8.198	7.017	3064493	557869	34.062	3.948 #
40)	L8 AR-1262-5	8.817	7.559	401407	264780	4.262	3.895
41)	L9 AR-1268-1	8.112	6.951	2628174	274688	7.779	1.237 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_R\Data\PR100522\
Data File : PR057204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Oct 2022 23:28
Operator : AJ\MA
Sample : N4986-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_R
ClientSampleId :
40125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 05:04:24 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_R\Method\PR092922.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Sep 29 10:58:42 2022
Response via : Initial Calibration
Integrator: ChemStation

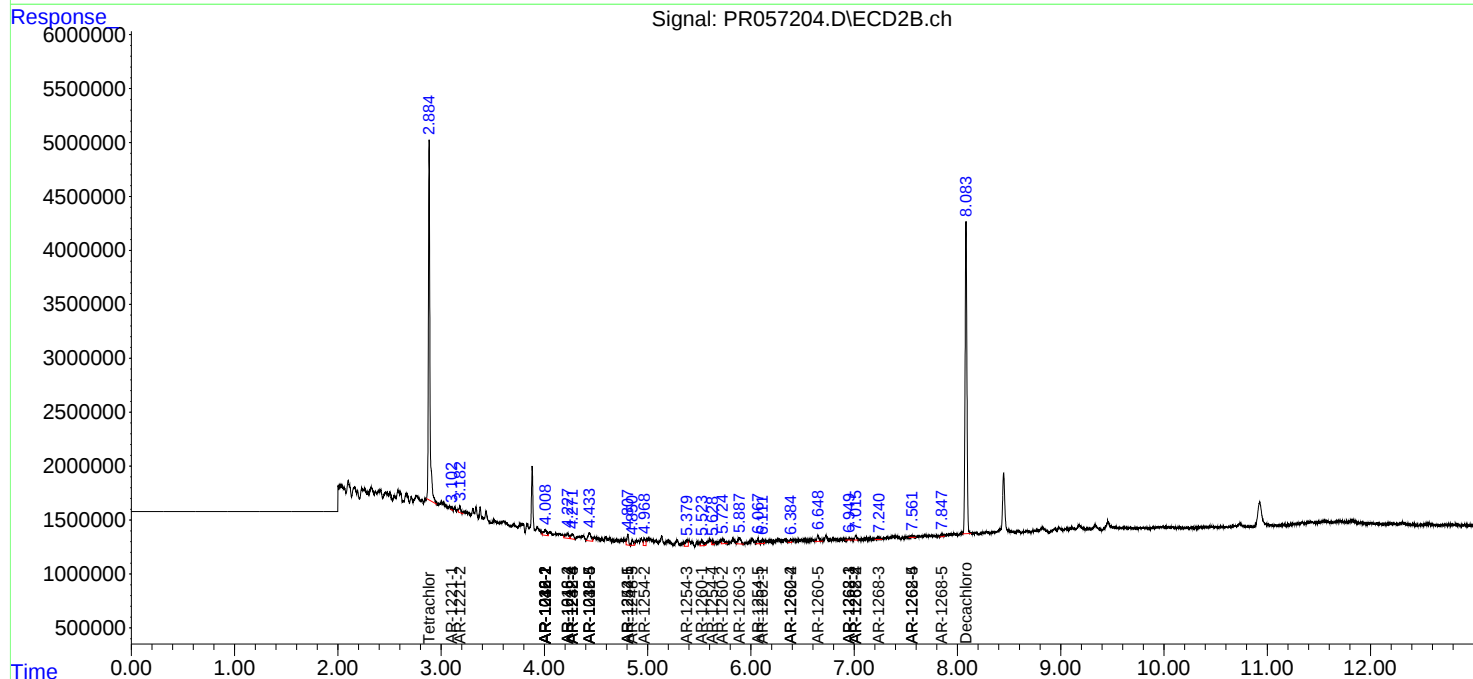
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

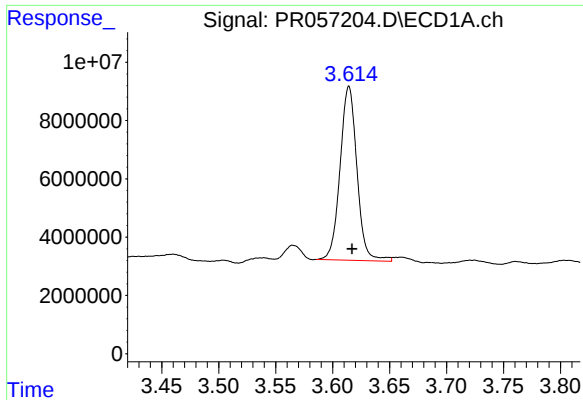
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42)	L9 AR-1268-2	8.198	7.017	3064493	557869	9.534	2.539 #
43)	L9 AR-1268-3	8.415	7.228	1717233	376136	6.425	1.960 #
44)	L9 AR-1268-4	8.817	7.559	401407	264780	3.876	3.464
45)	L9 AR-1268-5	9.191	7.848	656796	304168	0.837	0.496 #

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

Instrument :
ECD_R
ClientSampleId :
40125

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

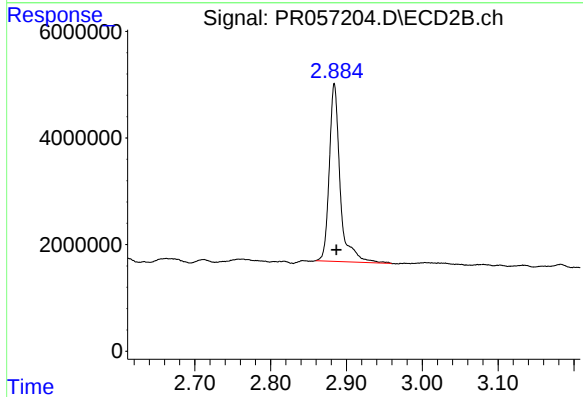




#1 Tetrachloro-m-xylene

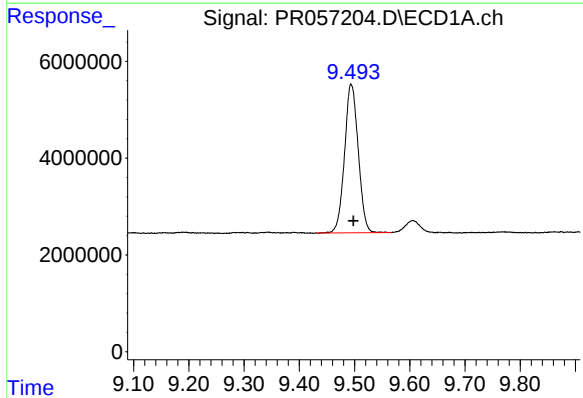
R.T.: 3.614 min
Delta R.T.: -0.003 min
Response: 61599400
Conc: 19.16 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



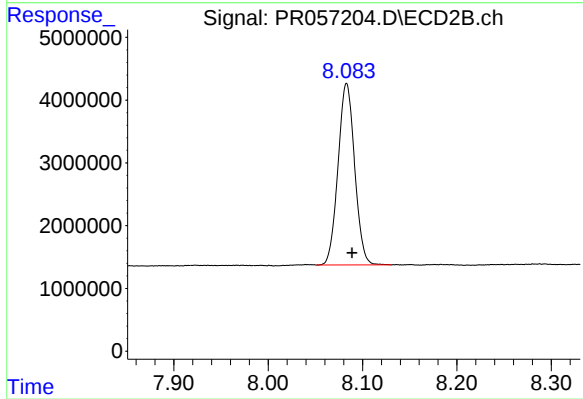
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: -0.003 min
Response: 33291661
Conc: 19.15 ng/ml



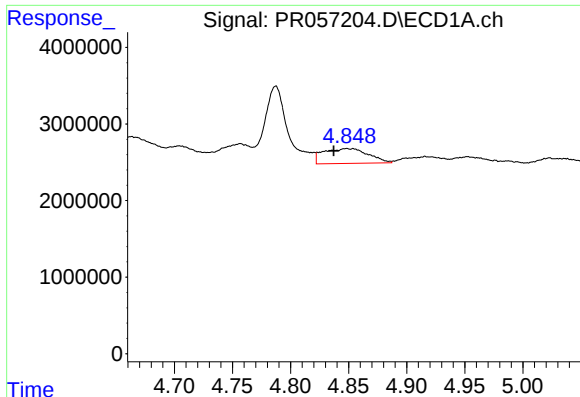
#2 Decachlorobiphenyl

R.T.: 9.494 min
Delta R.T.: -0.004 min
Response: 52855149
Conc: 25.87 ng/ml



#2 Decachlorobiphenyl

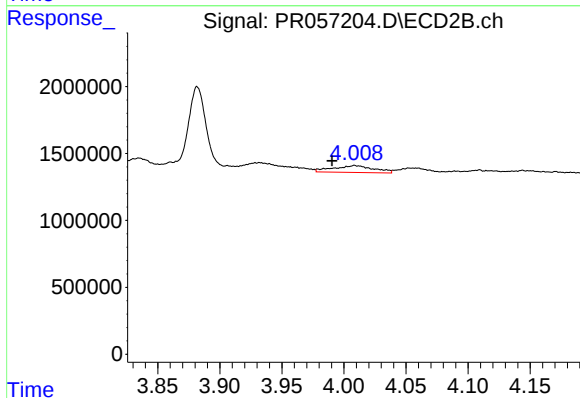
R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 35424804
Conc: 21.95 ng/ml



#3 AR-1016-1

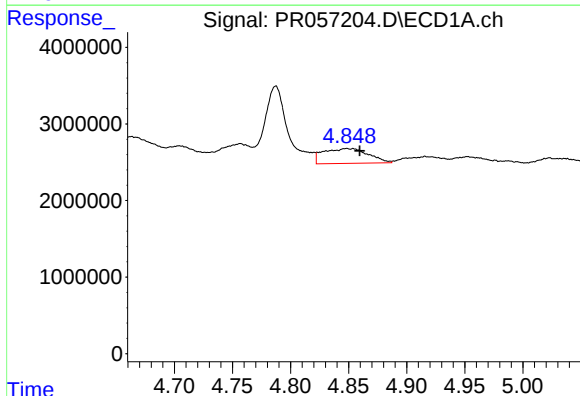
R.T.: 4.849 min
Delta R.T.: 0.012 min
Response: 5231825
Conc: 53.03 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



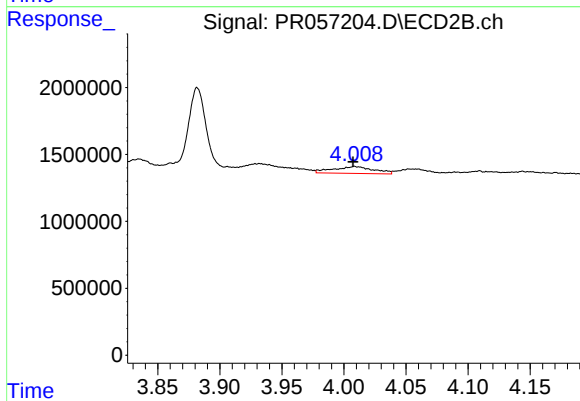
#3 AR-1016-1

R.T.: 4.009 min
Delta R.T.: 0.018 min
Response: 1177107
Conc: 23.95 ng/ml



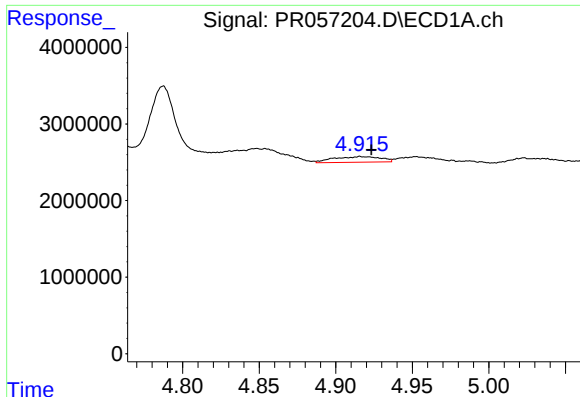
#4 AR-1016-2

R.T.: 4.849 min
Delta R.T.: -0.010 min
Response: 5231825
Conc: 36.32 ng/ml



#4 AR-1016-2

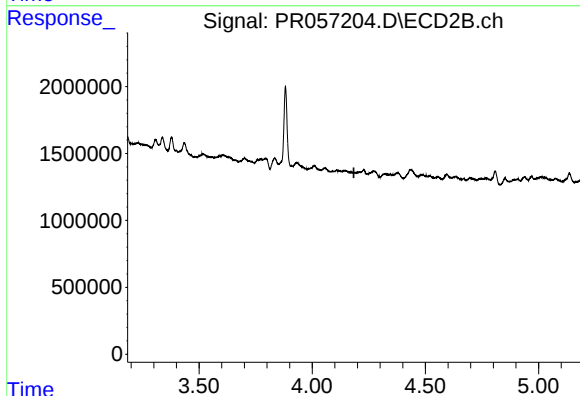
R.T.: 4.009 min
Delta R.T.: 0.001 min
Response: 1177107
Conc: 15.73 ng/ml



#5 AR-1016-3

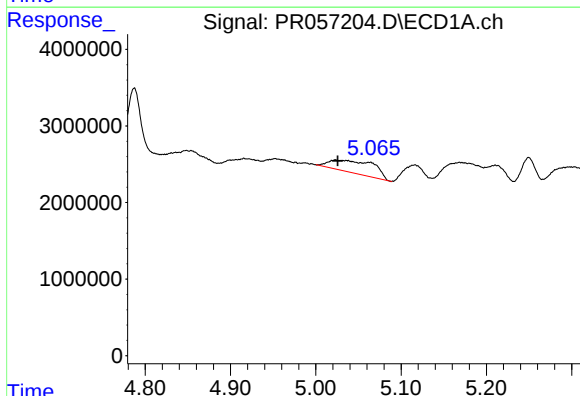
R.T.: 4.917 min
Delta R.T.: -0.006 min
Response: 1580067
Conc: 17.94 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



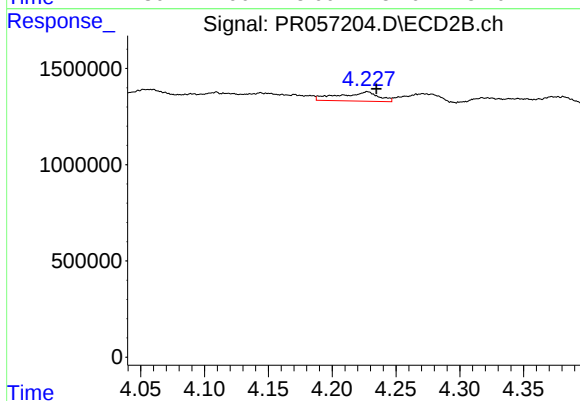
#5 AR-1016-3

R.T.: 0.000 min
Exp R.T. : 4.184 min
Response: 0
Conc: N.D.



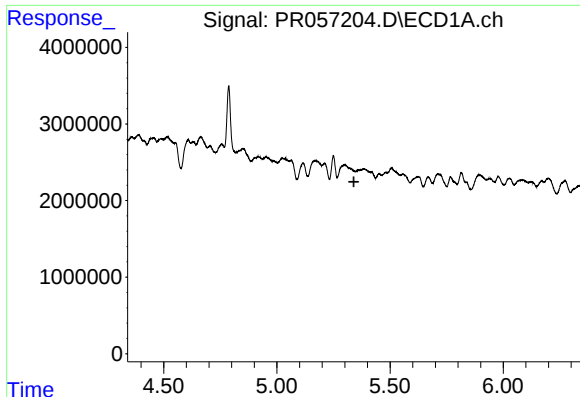
#6 AR-1016-4

R.T.: 5.023 min
Delta R.T.: -0.003 min
Response: 5832263
Conc: 82.47 ng/ml



#6 AR-1016-4

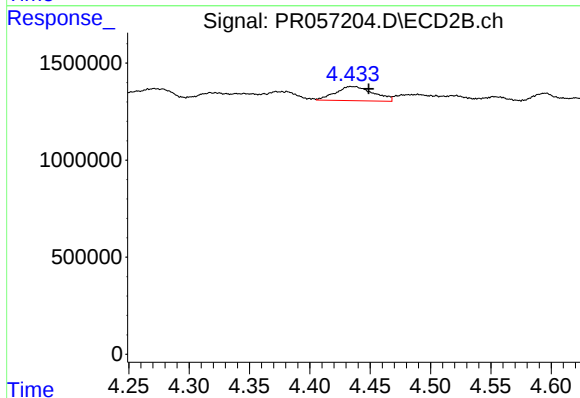
R.T.: 4.228 min
Delta R.T.: -0.007 min
Response: 1029678
Conc: 34.39 ng/ml



#7 AR-1016-5

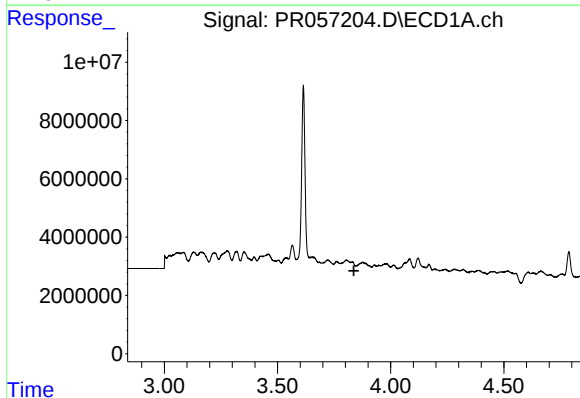
R.T.: 0.000 min
Exp R.T.: 5.340 min
Response: 0
Conc: N.D.

Instrument :
ECD_R
ClientSampleId :
40125



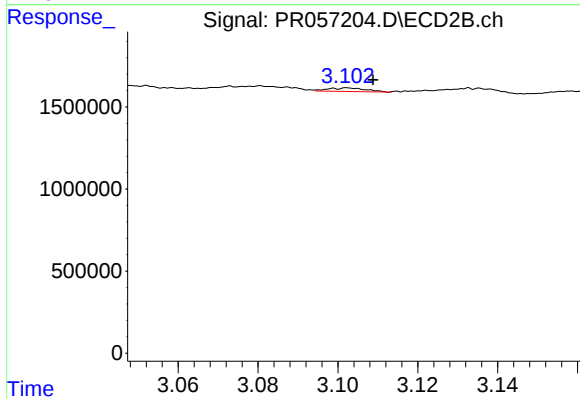
#7 AR-1016-5

R.T.: 4.434 min
Delta R.T.: -0.015 min
Response: 1593871
Conc: 40.49 ng/ml



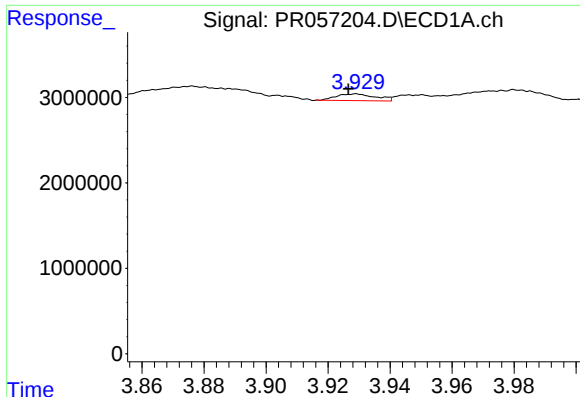
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T.: 3.838 min
Response: 0
Conc: N.D.



#8 AR-1221-1

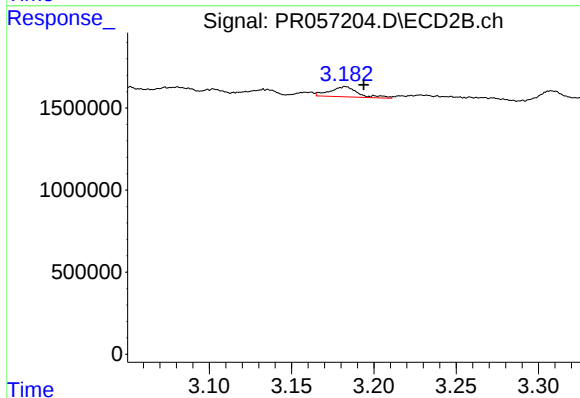
R.T.: 3.103 min
Delta R.T.: -0.006 min
Response: 138767
Conc: 6.74 ng/ml



#9 AR-1221-2

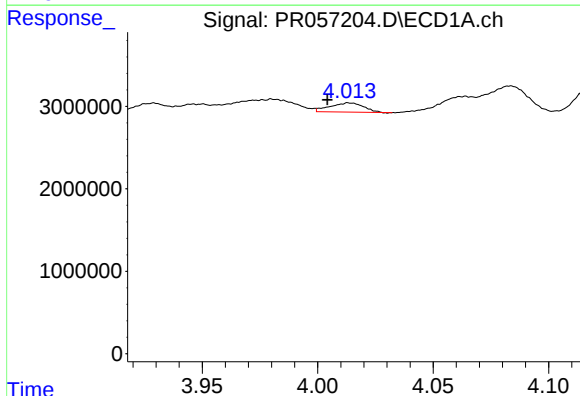
R.T.: 3.929 min
Delta R.T.: 0.002 min
Response: 697783
Conc: 23.09 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



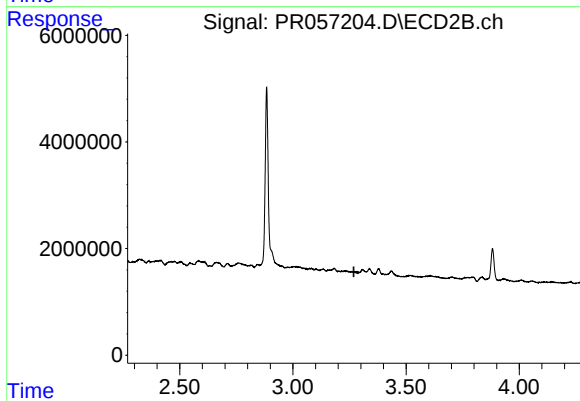
#9 AR-1221-2

R.T.: 3.183 min
Delta R.T.: -0.011 min
Response: 729630
Conc: 46.12 ng/ml



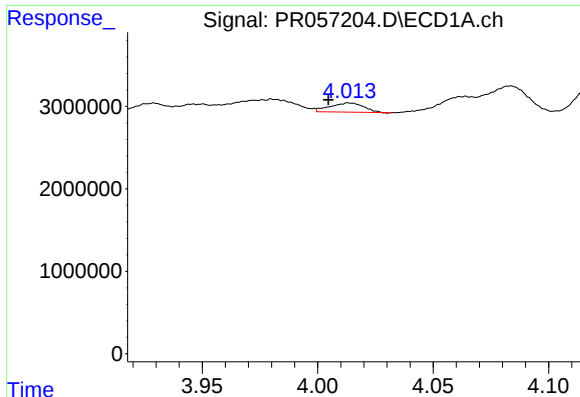
#10 AR-1221-3

R.T.: 4.014 min
Delta R.T.: 0.009 min
Response: 1137564
Conc: 13.13 ng/ml



#10 AR-1221-3

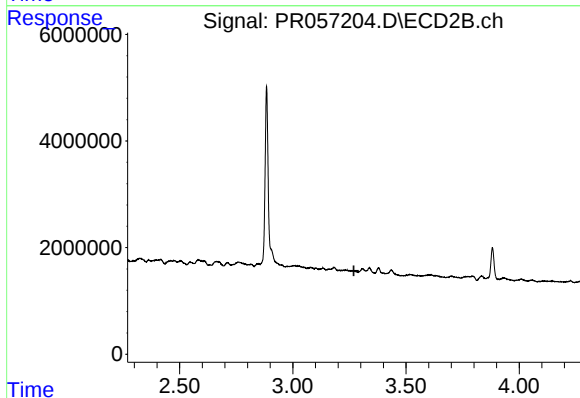
R.T.: 0.000 min
Exp R.T. : 3.269 min
Response: 0
Conc: N.D.



#11 AR-1232-1

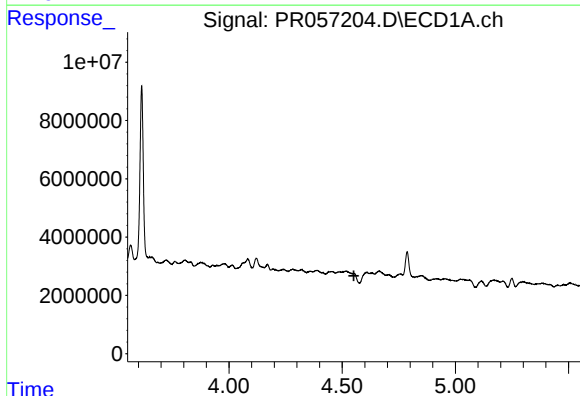
R.T.: 4.014 min
Delta R.T.: 0.009 min
Response: 1137564
Conc: 16.29 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



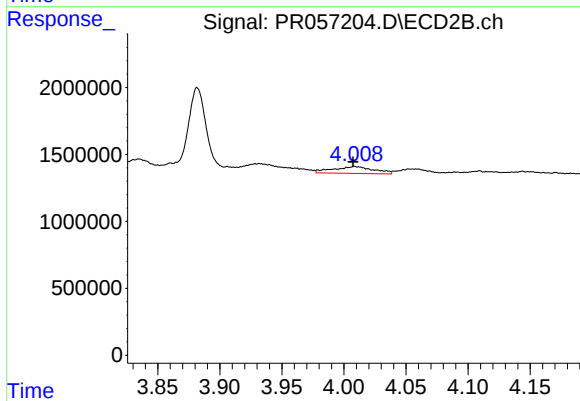
#11 AR-1232-1

R.T.: 0.000 min
Exp R.T. : 3.270 min
Response: 0
Conc: N.D.



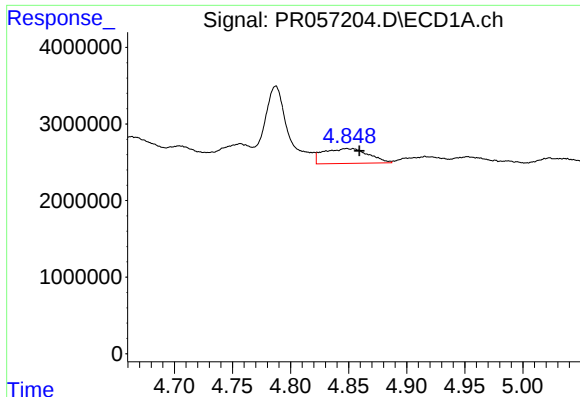
#12 AR-1232-2

R.T.: 0.000 min
Exp R.T. : 4.552 min
Response: 0
Conc: N.D.



#12 AR-1232-2

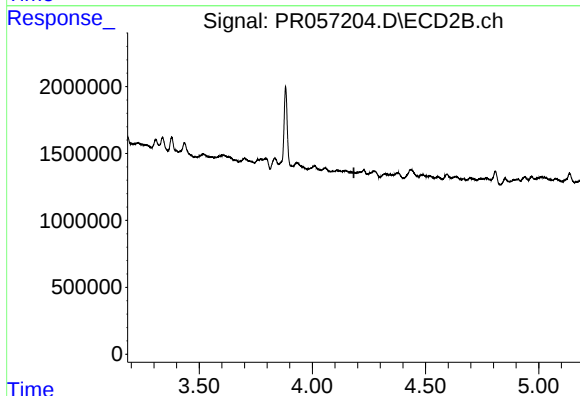
R.T.: 4.009 min
Delta R.T.: 0.001 min
Response: 1177107
Conc: 33.69 ng/ml



#13 AR-1232-3

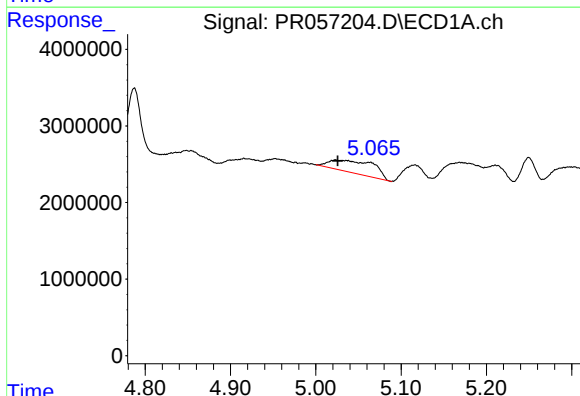
R.T.: 4.849 min
Delta R.T.: -0.010 min
Response: 5231825
Conc: 77.48 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



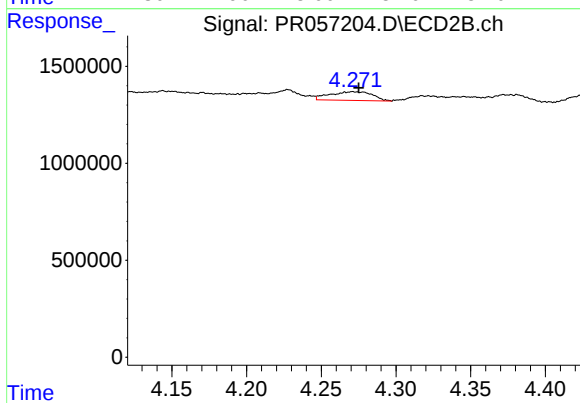
#13 AR-1232-3

R.T.: 0.000 min
Exp R.T. : 4.184 min
Response: 0
Conc: N.D.



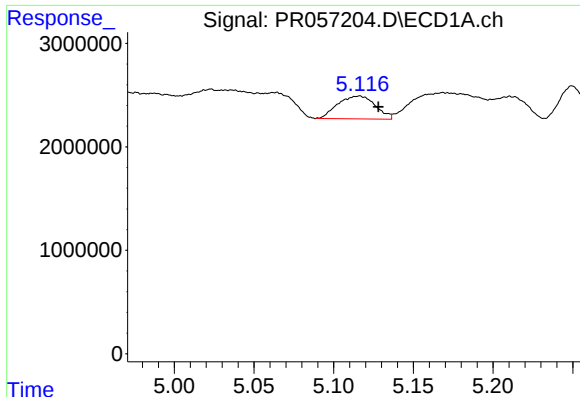
#14 AR-1232-4

R.T.: 5.023 min
Delta R.T.: -0.003 min
Response: 5832263
Conc: 177.69 ng/ml



#14 AR-1232-4

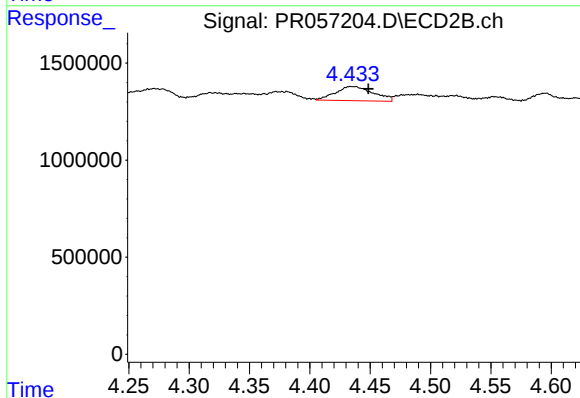
R.T.: 4.271 min
Delta R.T.: -0.004 min
Response: 885147
Conc: 57.96 ng/ml



#15 AR-1232-5

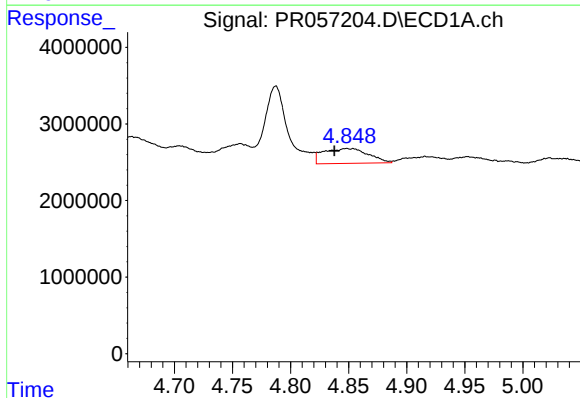
R.T.: 5.116 min
Delta R.T.: -0.012 min
Response: 3622035
Conc: 154.30 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



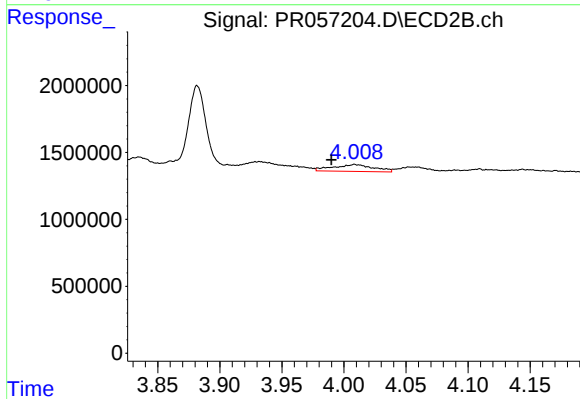
#15 AR-1232-5

R.T.: 4.434 min
Delta R.T.: -0.014 min
Response: 1593871
Conc: 91.03 ng/ml



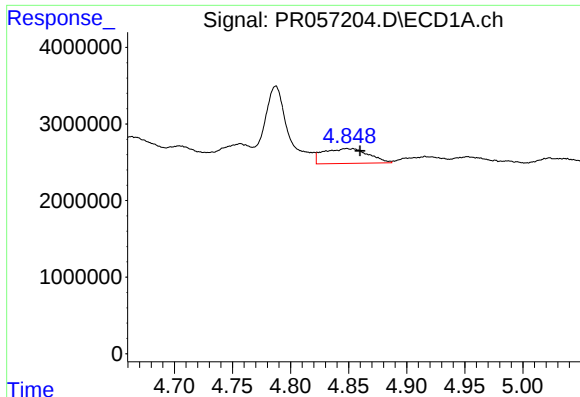
#16 AR-1242-1

R.T.: 4.849 min
Delta R.T.: 0.012 min
Response: 5231825
Conc: 59.43 ng/ml



#16 AR-1242-1

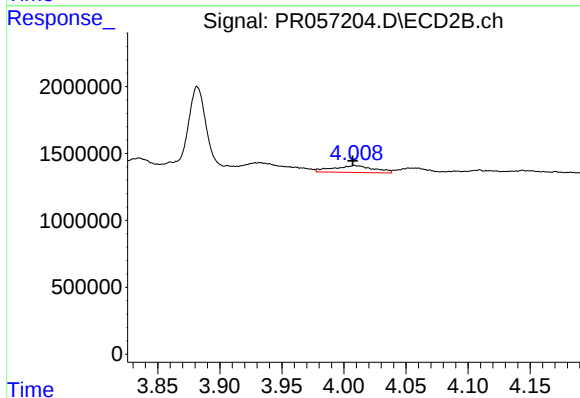
R.T.: 4.009 min
Delta R.T.: 0.019 min
Response: 1177107
Conc: 27.19 ng/ml



#17 AR-1242-2

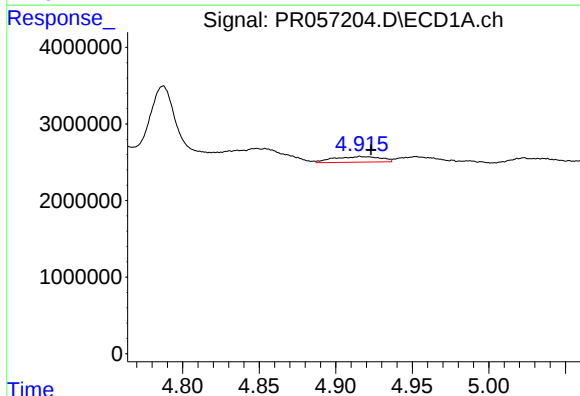
R.T.: 4.849 min
Delta R.T.: -0.010 min
Response: 5231825
Conc: 41.21 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



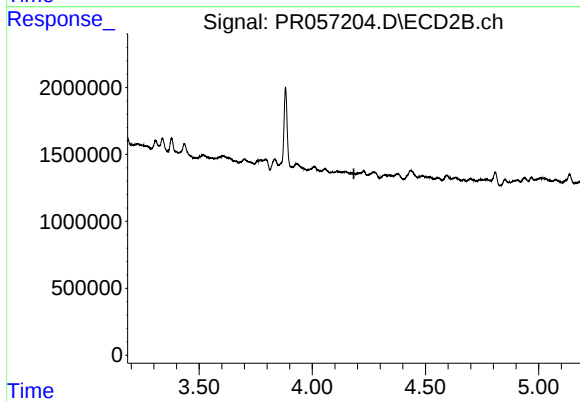
#17 AR-1242-2

R.T.: 4.009 min
Delta R.T.: 0.002 min
Response: 1177107
Conc: 17.88 ng/ml



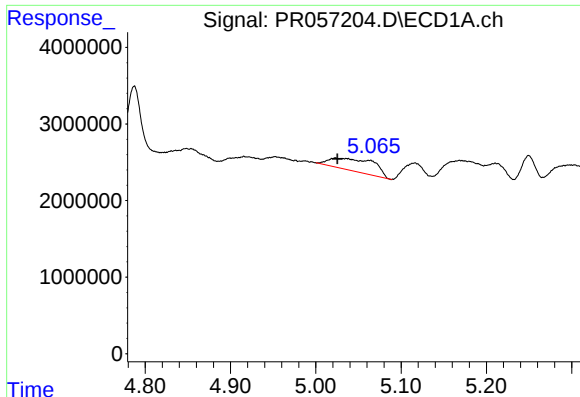
#18 AR-1242-3

R.T.: 4.917 min
Delta R.T.: -0.006 min
Response: 1580067
Conc: 20.00 ng/ml



#18 AR-1242-3

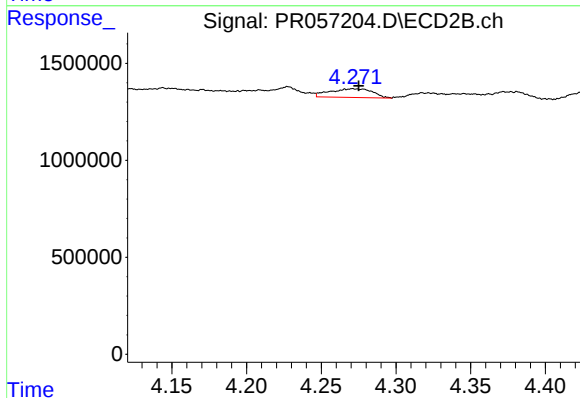
R.T.: 0.000 min
Exp R.T. : 4.184 min
Response: 0
Conc: N.D.



#19 AR-1242-4

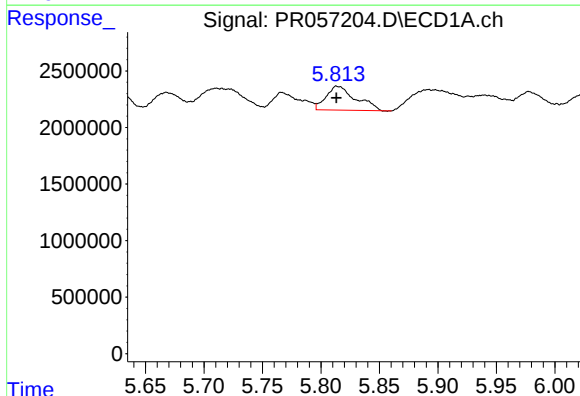
R.T.: 5.023 min
Delta R.T.: -0.002 min
Response: 5832263
Conc: 95.14 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



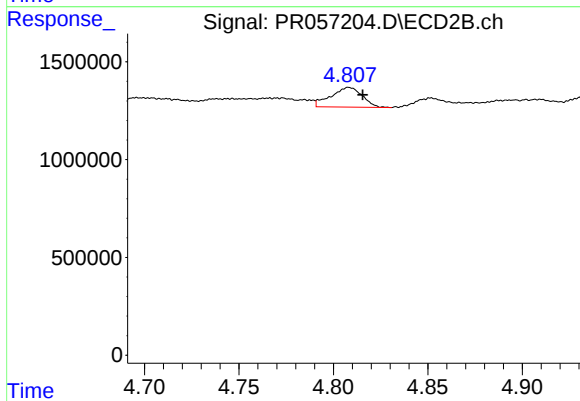
#19 AR-1242-4

R.T.: 4.271 min
Delta R.T.: -0.004 min
Response: 885147
Conc: 27.54 ng/ml



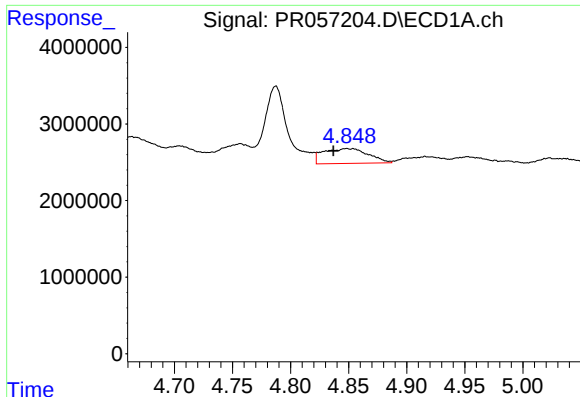
#20 AR-1242-5

R.T.: 5.815 min
Delta R.T.: 0.002 min
Response: 3527642
Conc: 56.29 ng/ml



#20 AR-1242-5

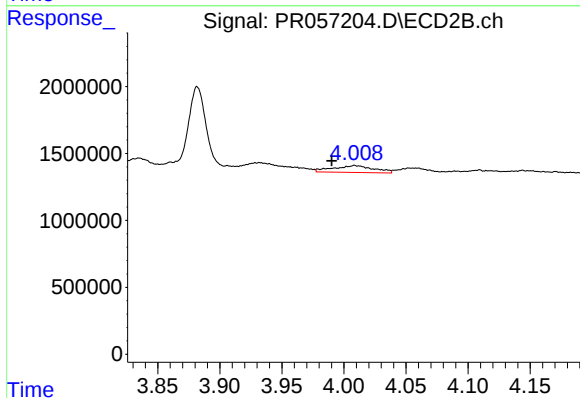
R.T.: 4.808 min
Delta R.T.: -0.007 min
Response: 1170230
Conc: 29.39 ng/ml



#21 AR-1248-1

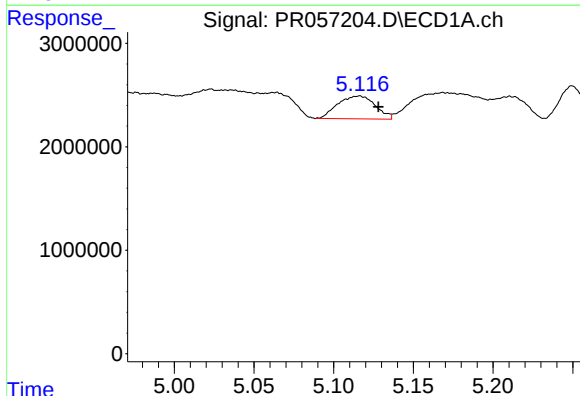
R.T.: 4.849 min
Delta R.T.: 0.013 min
Response: 5231825
Conc: 84.06 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



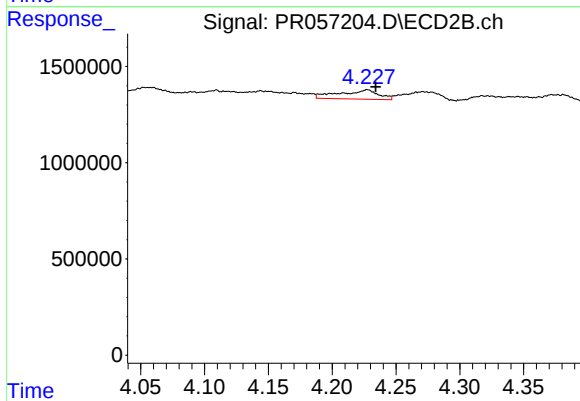
#21 AR-1248-1

R.T.: 4.009 min
Delta R.T.: 0.018 min
Response: 1177107
Conc: 38.62 ng/ml



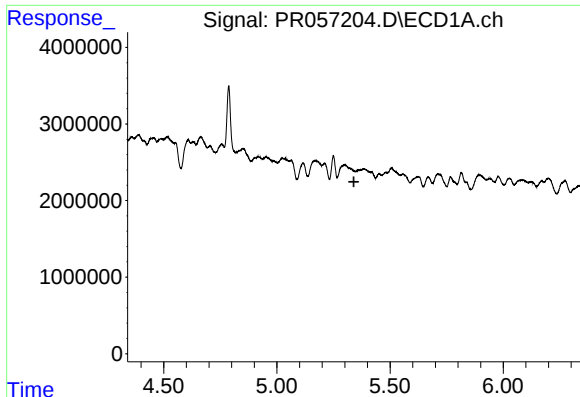
#22 AR-1248-2

R.T.: 5.116 min
Delta R.T.: -0.012 min
Response: 3622035
Conc: 44.75 ng/ml



#22 AR-1248-2

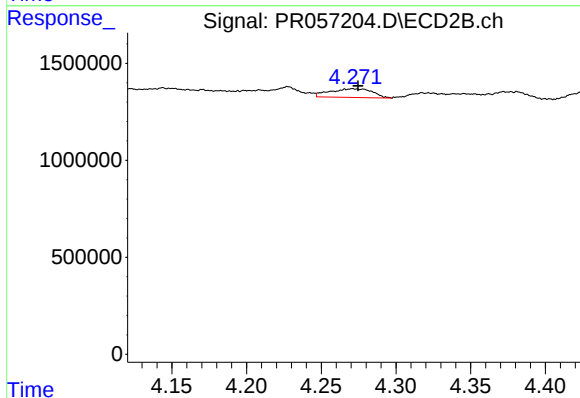
R.T.: 4.228 min
Delta R.T.: -0.007 min
Response: 1029678
Conc: 24.41 ng/ml



#23 AR-1248-3

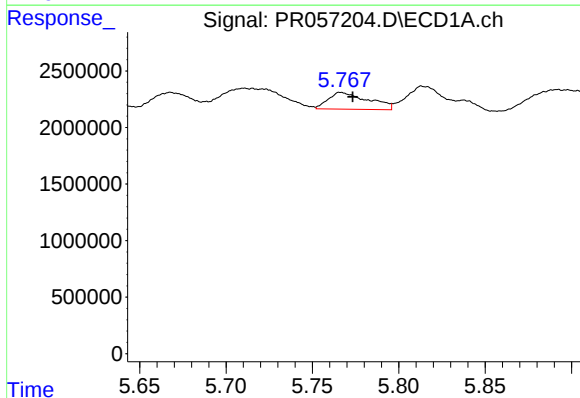
R.T.: 0.000 min
Exp R.T.: 5.340 min
Response: 0
Conc: N.D.

Instrument :
ECD_R
ClientSampleId :
40125



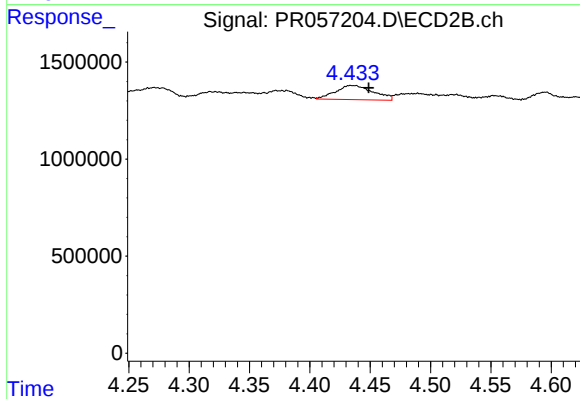
#23 AR-1248-3

R.T.: 4.271 min
Delta R.T.: -0.003 min
Response: 885147
Conc: 20.11 ng/ml



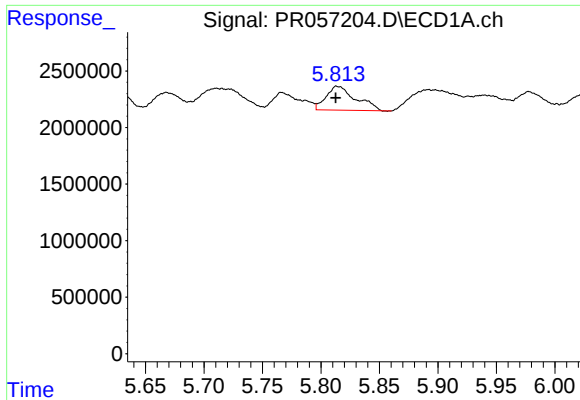
#24 AR-1248-4

R.T.: 5.767 min
Delta R.T.: -0.006 min
Response: 2388719
Conc: 22.89 ng/ml



#24 AR-1248-4

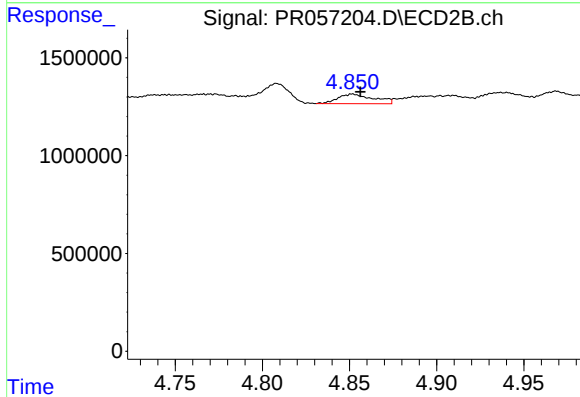
R.T.: 4.434 min
Delta R.T.: -0.015 min
Response: 1593871
Conc: 29.73 ng/ml



#25 AR-1248-5

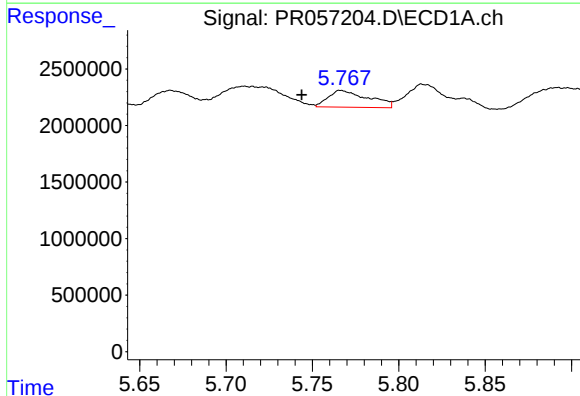
R.T.: 5.815 min
Delta R.T.: 0.002 min
Response: 3527642
Conc: 35.27 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



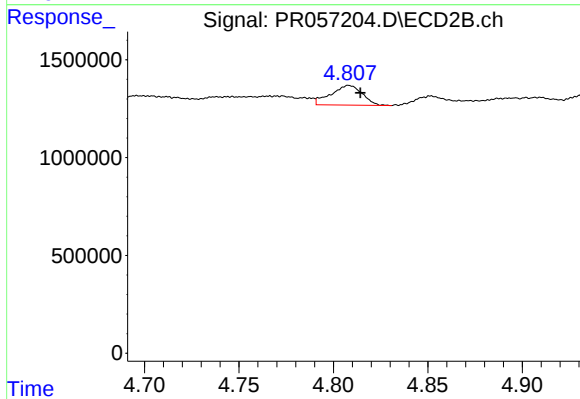
#25 AR-1248-5

R.T.: 4.852 min
Delta R.T.: -0.004 min
Response: 704745
Conc: 13.26 ng/ml



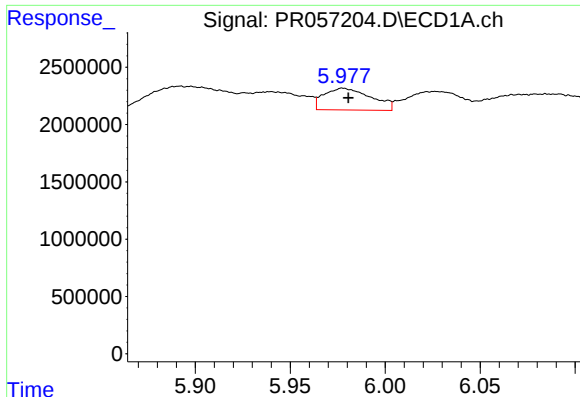
#26 AR-1254-1

R.T.: 5.767 min
Delta R.T.: 0.024 min
Response: 2388719
Conc: 21.64 ng/ml



#26 AR-1254-1

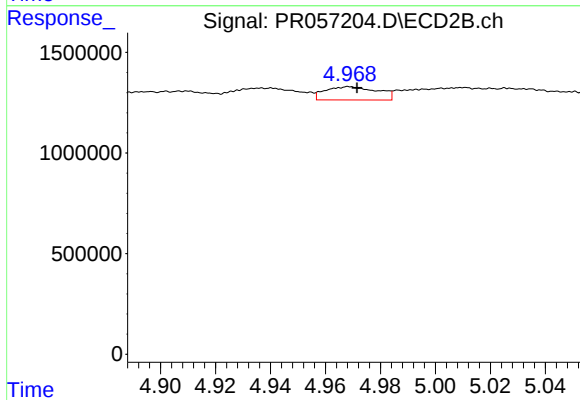
R.T.: 4.808 min
Delta R.T.: -0.006 min
Response: 1170230
Conc: 14.68 ng/ml



#27 AR-1254-2

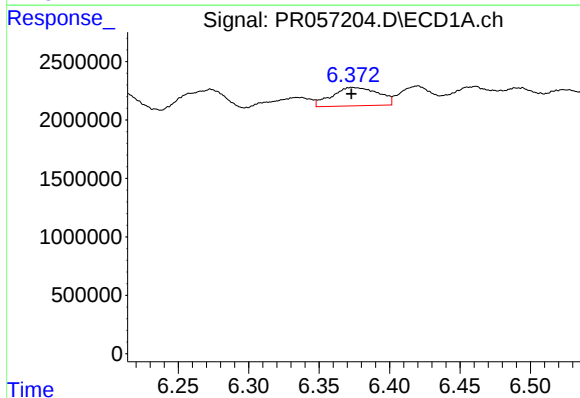
R.T.: 5.978 min
Delta R.T.: -0.003 min
Response: 3288068
Conc: 19.84 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



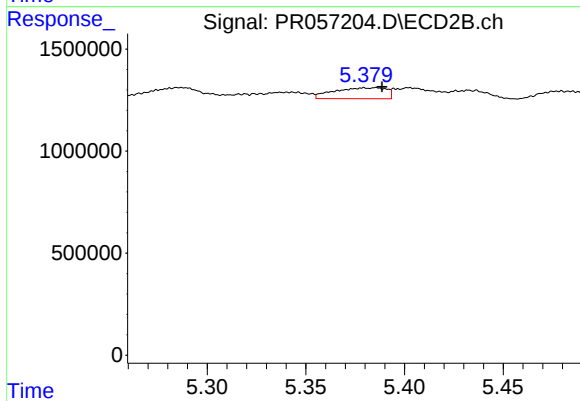
#27 AR-1254-2

R.T.: 4.969 min
Delta R.T.: -0.003 min
Response: 870903
Conc: 12.55 ng/ml



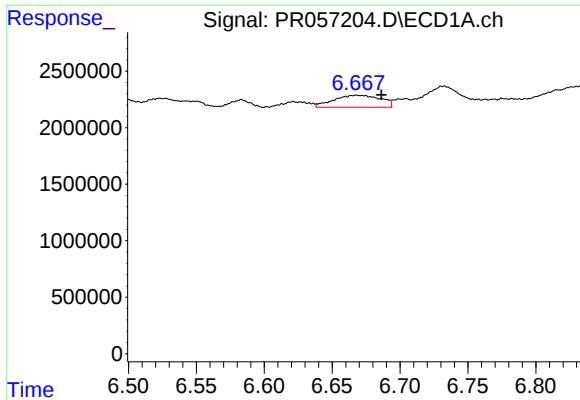
#28 AR-1254-3

R.T.: 6.374 min
Delta R.T.: 0.001 min
Response: 3607569
Conc: 21.32 ng/ml



#28 AR-1254-3

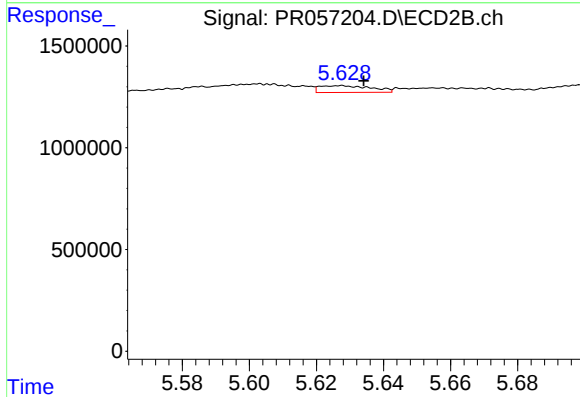
R.T.: 5.386 min
Delta R.T.: -0.003 min
Response: 991320
Conc: 8.79 ng/ml



#29 AR-1254-4

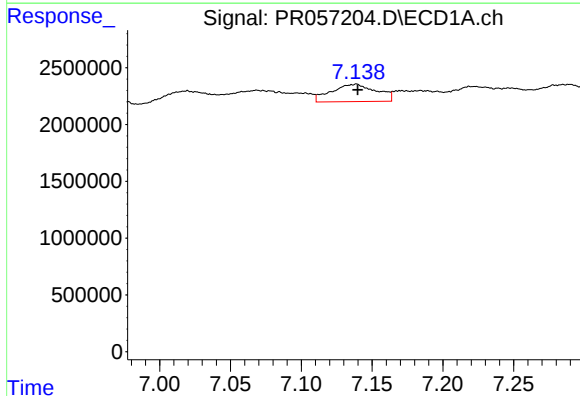
R.T.: 6.669 min
Delta R.T.: -0.018 min
Response: 2559600
Conc: 20.96 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



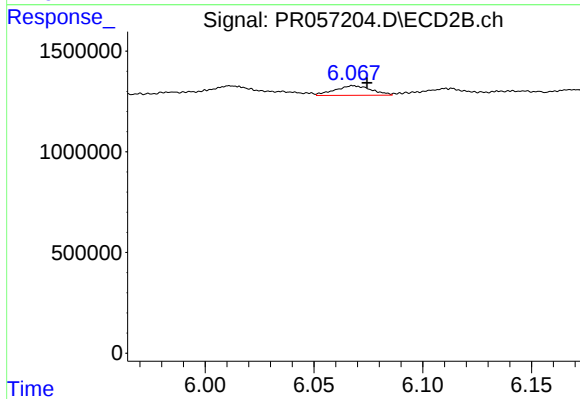
#29 AR-1254-4

R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 358067
Conc: 5.48 ng/ml



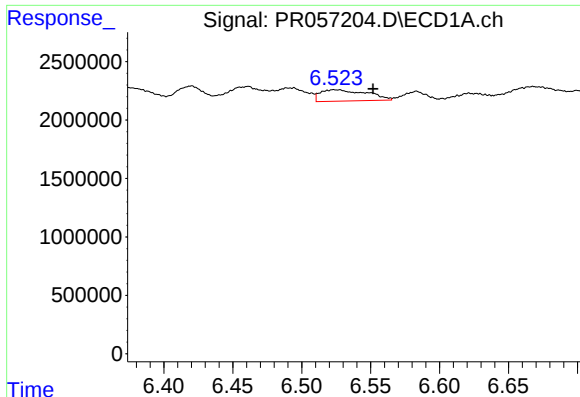
#30 AR-1254-5

R.T.: 7.138 min
Delta R.T.: -0.002 min
Response: 3397860
Conc: 26.39 ng/ml



#30 AR-1254-5

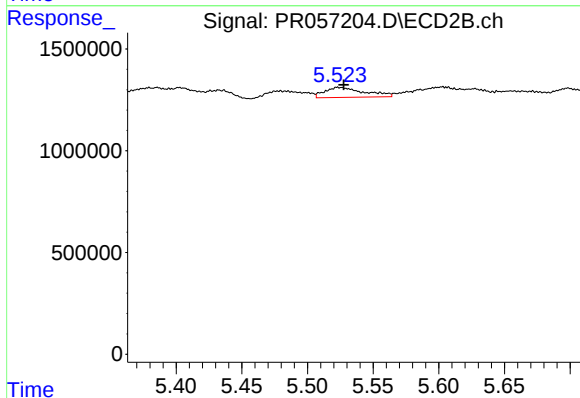
R.T.: 6.068 min
Delta R.T.: -0.006 min
Response: 553792
Conc: 5.55 ng/ml



#31 AR-1260-1

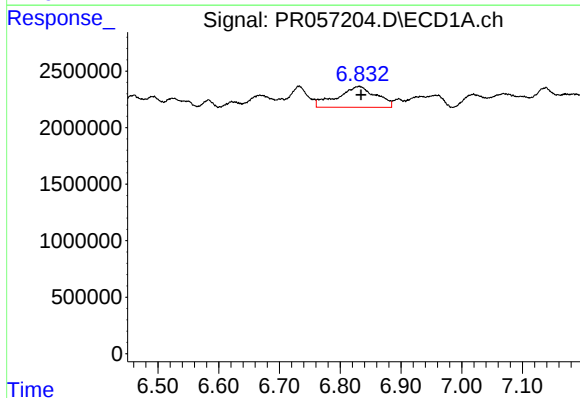
R.T.: 6.524 min
Delta R.T.: -0.027 min
Response: 2263616
Conc: 17.90 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



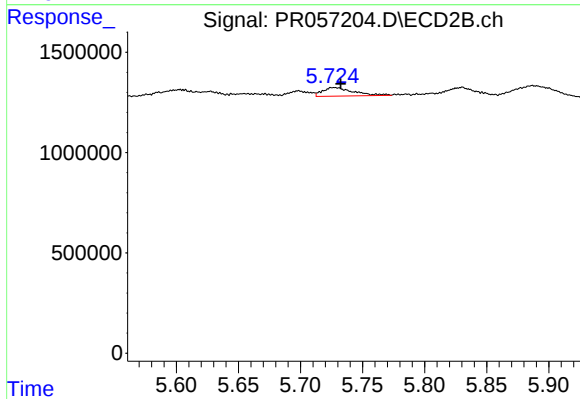
#31 AR-1260-1

R.T.: 5.523 min
Delta R.T.: -0.004 min
Response: 1040213
Conc: 13.93 ng/ml



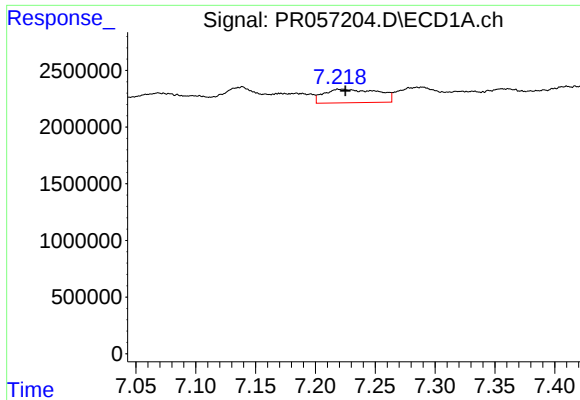
#32 AR-1260-2

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 8174196
Conc: 53.02 ng/ml



#32 AR-1260-2

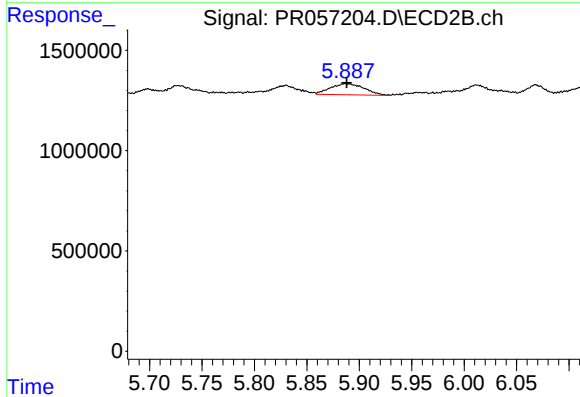
R.T.: 5.727 min
Delta R.T.: -0.006 min
Response: 738409
Conc: 8.08 ng/ml



#33 AR-1260-3

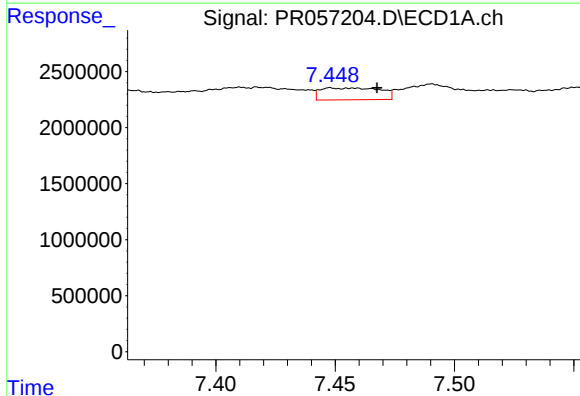
R.T.: 7.222 min
Delta R.T.: -0.004 min
Response: 3785534
Conc: 30.85 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



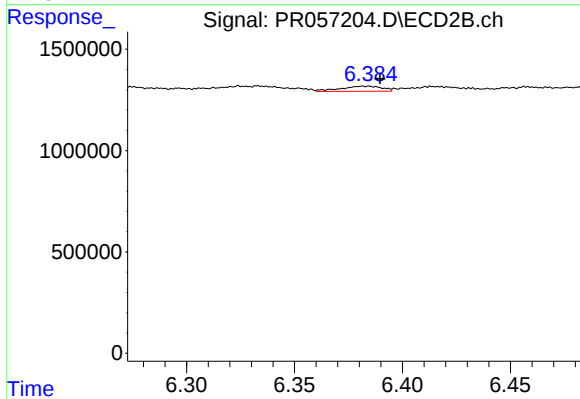
#33 AR-1260-3

R.T.: 5.887 min
Delta R.T.: 0.000 min
Response: 1241389
Conc: 14.69 ng/ml



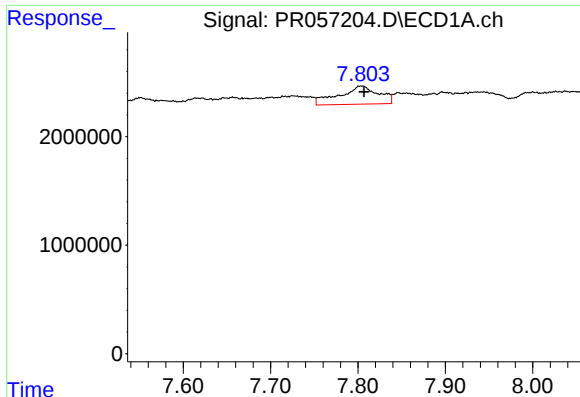
#34 AR-1260-4

R.T.: 7.457 min
Delta R.T.: -0.011 min
Response: 1837773
Conc: 14.73 ng/ml



#34 AR-1260-4

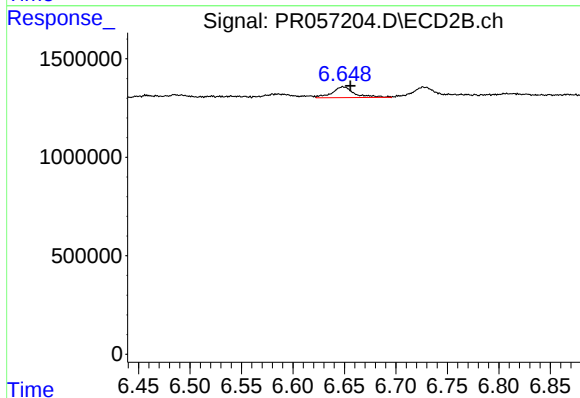
R.T.: 6.382 min
Delta R.T.: -0.007 min
Response: 338714
Conc: 4.73 ng/ml



#35 AR-1260-5

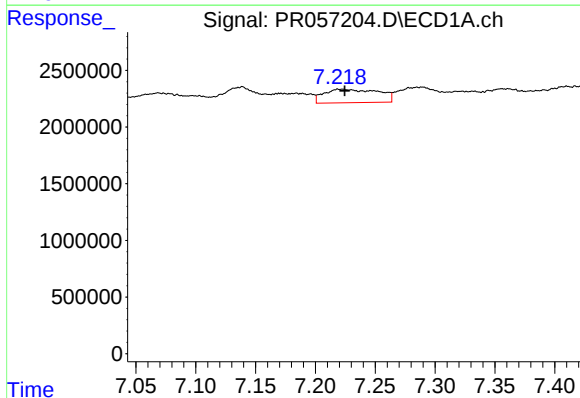
R.T.: 7.804 min
Delta R.T.: -0.003 min
Response: 5228500
Conc: 20.89 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



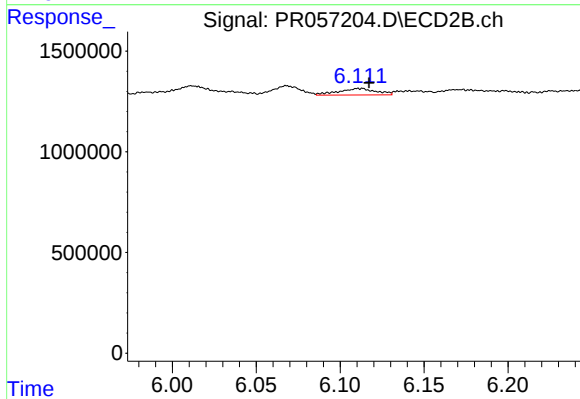
#35 AR-1260-5

R.T.: 6.649 min
Delta R.T.: -0.007 min
Response: 824516
Conc: 4.77 ng/ml



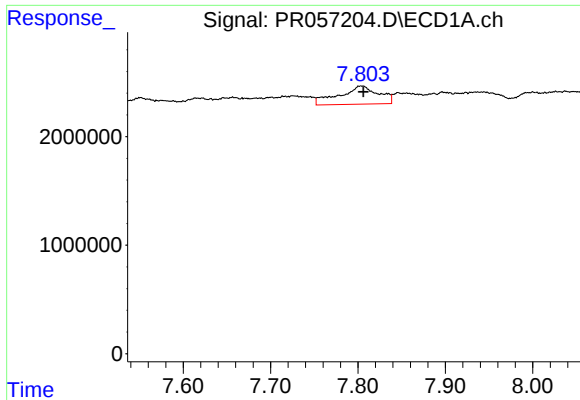
#36 AR-1262-1

R.T.: 7.222 min
Delta R.T.: -0.003 min
Response: 3785534
Conc: 23.69 ng/ml



#36 AR-1262-1

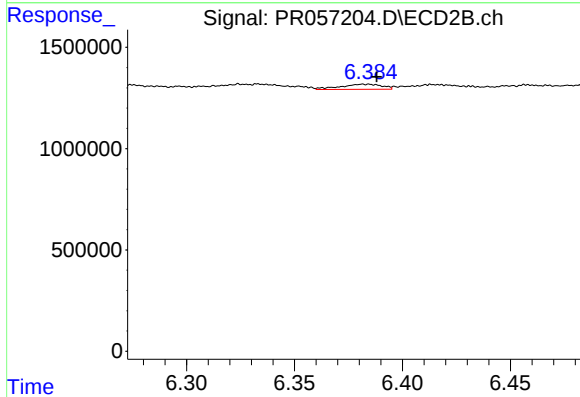
R.T.: 6.112 min
Delta R.T.: -0.005 min
Response: 502021
Conc: 5.12 ng/ml



#37 AR-1262-2

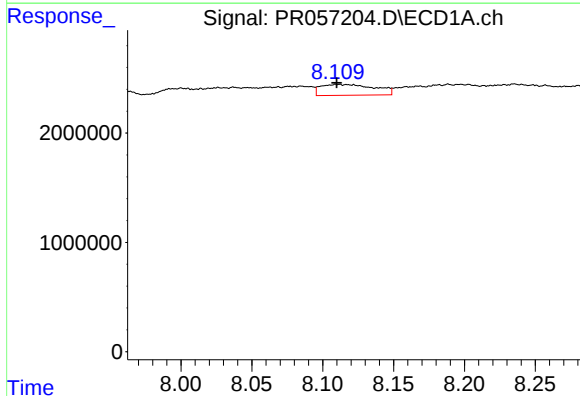
R.T.: 7.804 min
Delta R.T.: -0.002 min
Response: 5228500
Conc: 19.70 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



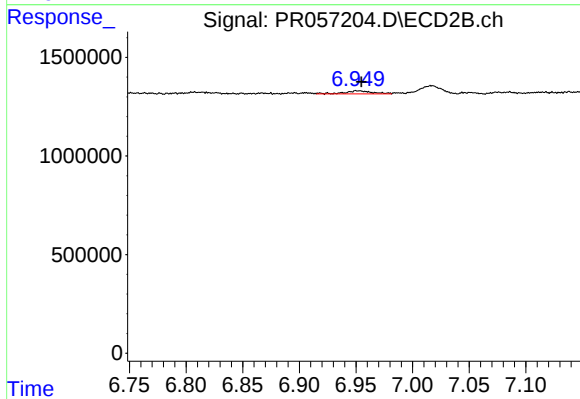
#37 AR-1262-2

R.T.: 6.382 min
Delta R.T.: -0.006 min
Response: 338714
Conc: 3.87 ng/ml



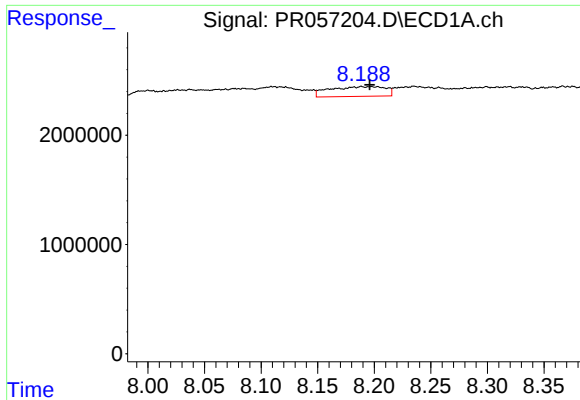
#38 AR-1262-3

R.T.: 8.112 min
Delta R.T.: 0.002 min
Response: 2628174
Conc: 14.45 ng/ml



#38 AR-1262-3

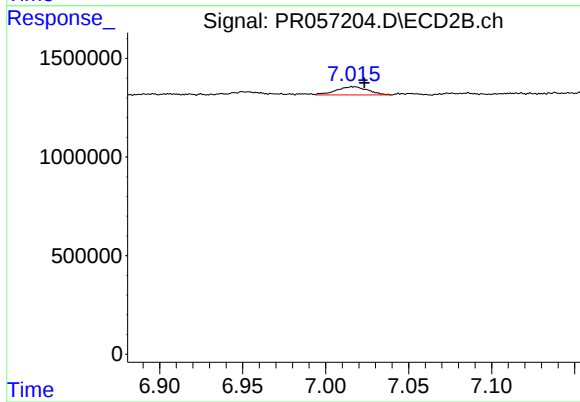
R.T.: 6.951 min
Delta R.T.: -0.004 min
Response: 274688
Conc: 3.62 ng/ml



#39 AR-1262-4

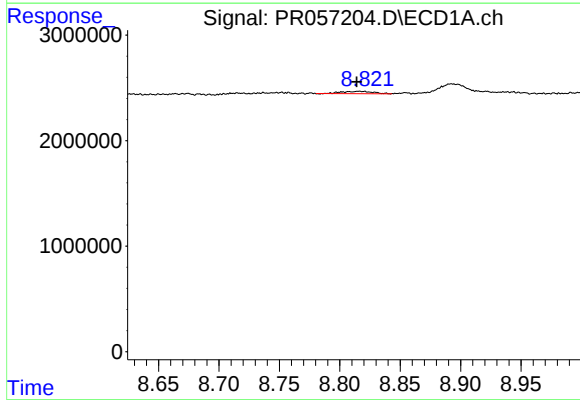
R.T.: 8.198 min
Delta R.T.: 0.002 min
Response: 3064493
Conc: 34.06 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



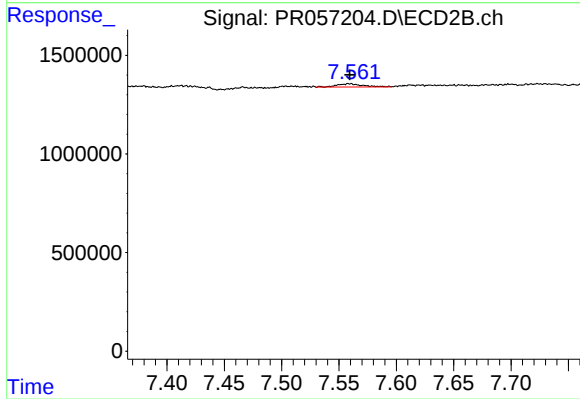
#39 AR-1262-4

R.T.: 7.017 min
Delta R.T.: -0.006 min
Response: 557869
Conc: 3.95 ng/ml



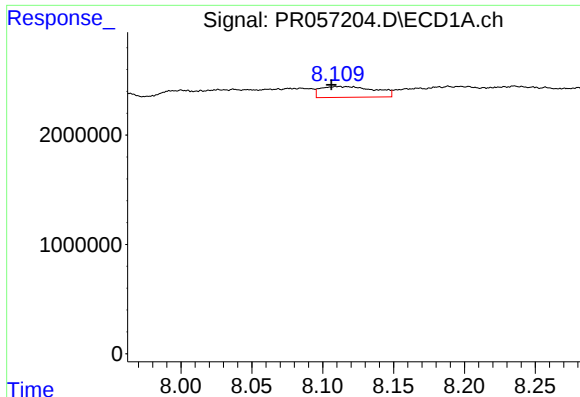
#40 AR-1262-5

R.T.: 8.817 min
Delta R.T.: 0.003 min
Response: 401407
Conc: 4.26 ng/ml



#40 AR-1262-5

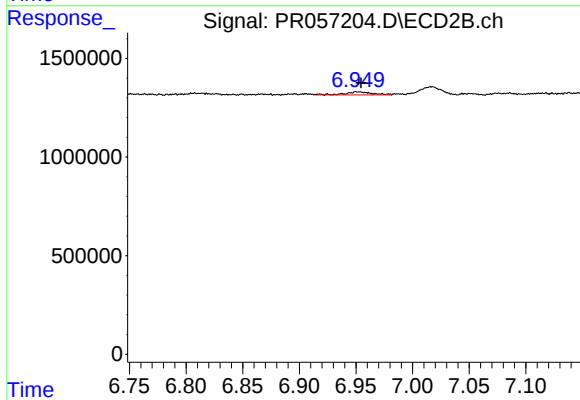
R.T.: 7.559 min
Delta R.T.: 0.000 min
Response: 264780
Conc: 3.89 ng/ml



#41 AR-1268-1

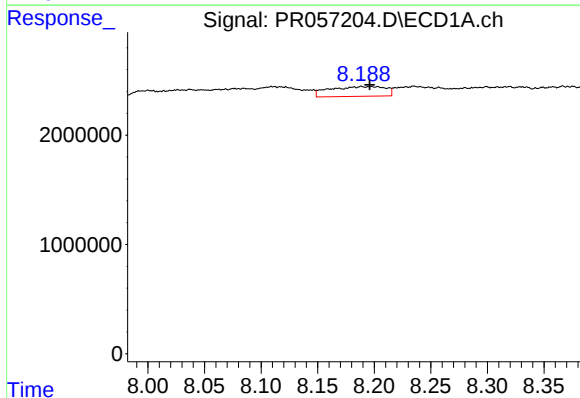
R.T.: 8.112 min
Delta R.T.: 0.006 min
Response: 2628174
Conc: 7.78 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



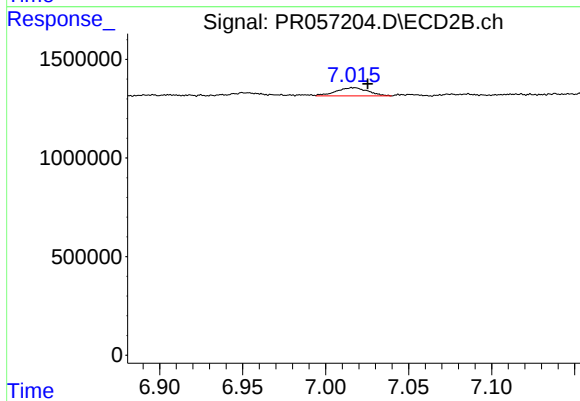
#41 AR-1268-1

R.T.: 6.951 min
Delta R.T.: -0.004 min
Response: 274688
Conc: 1.24 ng/ml



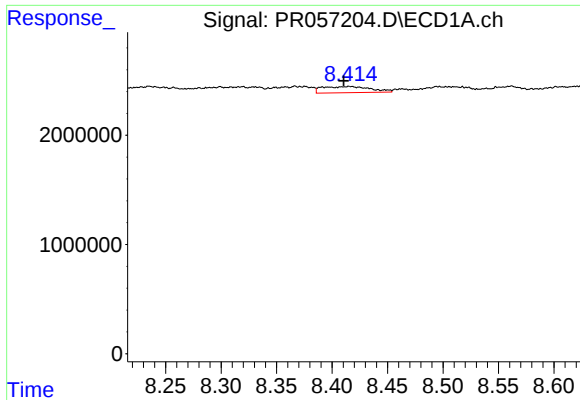
#42 AR-1268-2

R.T.: 8.198 min
Delta R.T.: 0.002 min
Response: 3064493
Conc: 9.53 ng/ml



#42 AR-1268-2

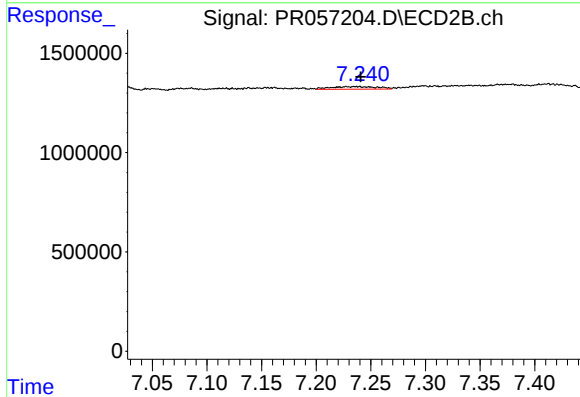
R.T.: 7.017 min
Delta R.T.: -0.008 min
Response: 557869
Conc: 2.54 ng/ml



#43 AR-1268-3

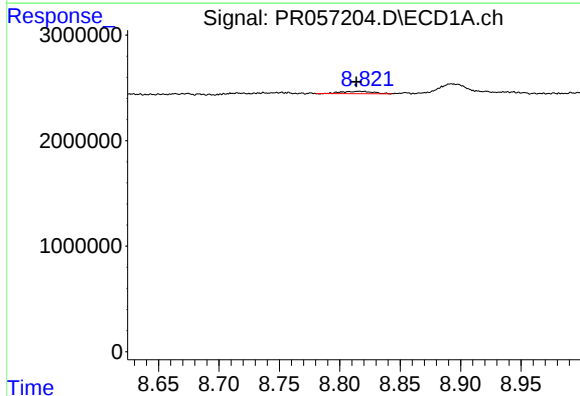
R.T.: 8.415 min
Delta R.T.: 0.005 min
Response: 1717233
Conc: 6.43 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



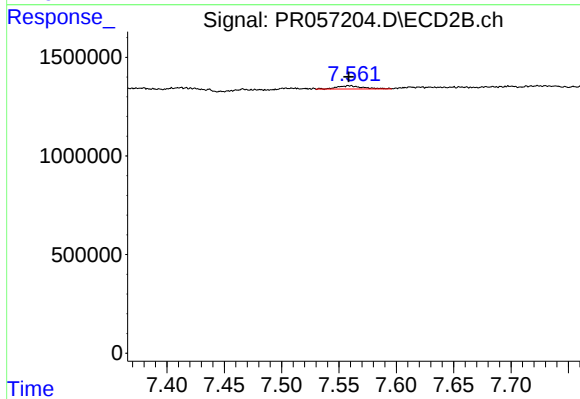
#43 AR-1268-3

R.T.: 7.228 min
Delta R.T.: -0.013 min
Response: 376136
Conc: 1.96 ng/ml



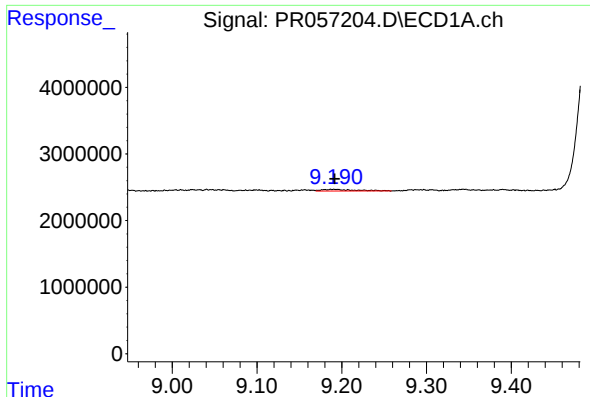
#44 AR-1268-4

R.T.: 8.817 min
Delta R.T.: 0.003 min
Response: 401407
Conc: 3.88 ng/ml



#44 AR-1268-4

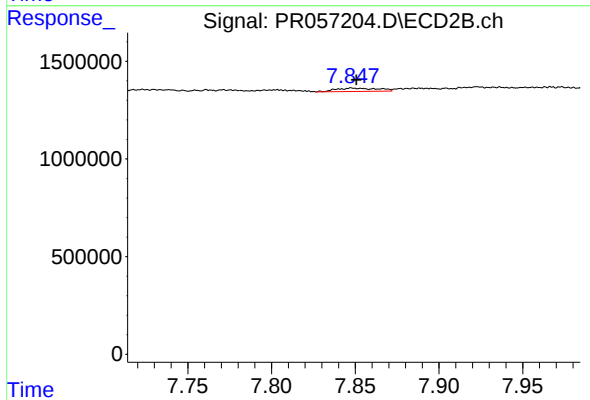
R.T.: 7.559 min
Delta R.T.: 0.000 min
Response: 264780
Conc: 3.46 ng/ml



#45 AR-1268-5

R.T.: 9.191 min
Delta R.T.: 0.000 min
Response: 656796
Conc: 0.84 ng/ml

Instrument :
ECD_R
ClientSampleId :
40125



#45 AR-1268-5

R.T.: 7.848 min
Delta R.T.: -0.003 min
Response: 304168
Conc: 0.50 ng/ml