

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0110920\
 Data File : P0073178.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Nov 2020 17:55
 Operator : DD\AJ
 Sample : L4671-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 1B

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 10 01:05:25 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0110420.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Nov 05 05:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	4.948	4.023	951360	679992	17.951	19.029
2)	SA Decachlor...	10.972	9.293	1120656	811035	27.080	24.310
Target Compounds							
3)	L1 AR-1016-1	6.296f	0.000	45872	0	23.126	N.D. #
4)	L1 AR-1016-2	6.296	0.000	45872	0	16.733	N.D. #
5)	L1 AR-1016-3	6.355	0.000	62660	0	37.598	N.D. #
6)	L1 AR-1016-4	6.486f	5.536	30047	12374	22.291	14.692 #
7)	L1 AR-1016-5	6.793	0.000	274564	0	242.032	N.D. #
9)	L2 AR-1221-2	5.302	0.000	52495	0	103.182	N.D. #
10)	L2 AR-1221-3	5.383	0.000	114397	0	73.131	N.D. #
11)	L3 AR-1232-1	5.383	0.000	114397	0	91.363	N.D. #
12)	L3 AR-1232-2	5.945f	0.000	86741	0	140.186	N.D. #
13)	L3 AR-1232-3	6.296	0.000	45872	0	36.464	N.D. #
14)	L3 AR-1232-4	6.486f	0.000	30047	0	49.251	N.D. #
15)	L3 AR-1232-5	6.565	0.000	61082	0	145.941	N.D. #
16)	L4 AR-1242-1	6.296f	0.000	45872	0	26.385	N.D. #
17)	L4 AR-1242-2	6.296	0.000	45872	0	19.152	N.D. #
18)	L4 AR-1242-3	6.355	0.000	62660	0	42.794	N.D. #
19)	L4 AR-1242-4	6.486f	0.000	30047	0	24.936	N.D. #
20)	L4 AR-1242-5	7.257	6.142	36086	144341	27.570	126.954 #
21)	L5 AR-1248-1	6.296f	0.000	45872	0	34.072	N.D. #
22)	L5 AR-1248-2	6.565	5.536	61082	12374	35.210	9.554 #
23)	L5 AR-1248-3	6.793	0.000	274564	0	146.447	N.D. #
24)	L5 AR-1248-4	7.213	0.000	25766	0	10.657	N.D. #
25)	L5 AR-1248-5	7.257	0.000	36086	0	15.720	N.D. #
26)	L6 AR-1254-1	7.185	6.142	101620	144341	43.432	60.076 #
27)	L6 AR-1254-2	7.415	6.300	206716	123060	58.667	57.498
28)	L6 AR-1254-3	7.797	6.717	294866	208106	81.991	61.859
29)	L6 AR-1254-4	8.090	6.954	245346	157164	81.529	70.767
30)	L6 AR-1254-5	8.521	7.381	817640	1422440	282.456	468.591 #
31)	L7 AR-1260-1	7.964	6.853	361484	324966	165.953	161.751
32)	L7 AR-1260-2	8.229	7.060	1093341	852810	403.573	343.635
33)	L7 AR-1260-3	8.595	7.203	448605	472148	217.940	209.182
34)	L7 AR-1260-4	8.825	7.682	582732	318278	255.283	172.012 #
35)	L7 AR-1260-5	9.153	7.928	1313923	1229885	297.884	287.213
36)	L8 AR-1262-1	8.595	7.381	448605	1422440	131.640	913.401 #
37)	L8 AR-1262-2	9.153	7.928	1313923	1229885	226.334	243.092
38)	L8 AR-1262-3	9.486f	8.213	776486	131712	186.679	64.882 #
39)	L8 AR-1262-4	9.541f	8.275	546162	664388	169.840	180.946
40)	L8 AR-1262-5	10.225	8.770	333509	222438	158.566	127.174
41)	L9 AR-1268-1	9.486f	8.213	776486	131712	109.570	23.166 #
42)	L9 AR-1268-2	9.541f	8.275	546162	664388	84.300	131.124 #
43)	L9 AR-1268-3	9.779	0.000	193480	0	34.639	N.D. #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110920\
 Data File : P0073178.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Nov 2020 17:55
 Operator : DD\AJ
 Sample : L4671-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 1B

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 10 01:05:25 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110420.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu Nov 05 05:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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
44) L9	AR-1268-4	10.225	8.770	333509	222438	143.813	115.517
45) L9	AR-1268-5	10.638	9.049	153272	128409	9.477	9.864

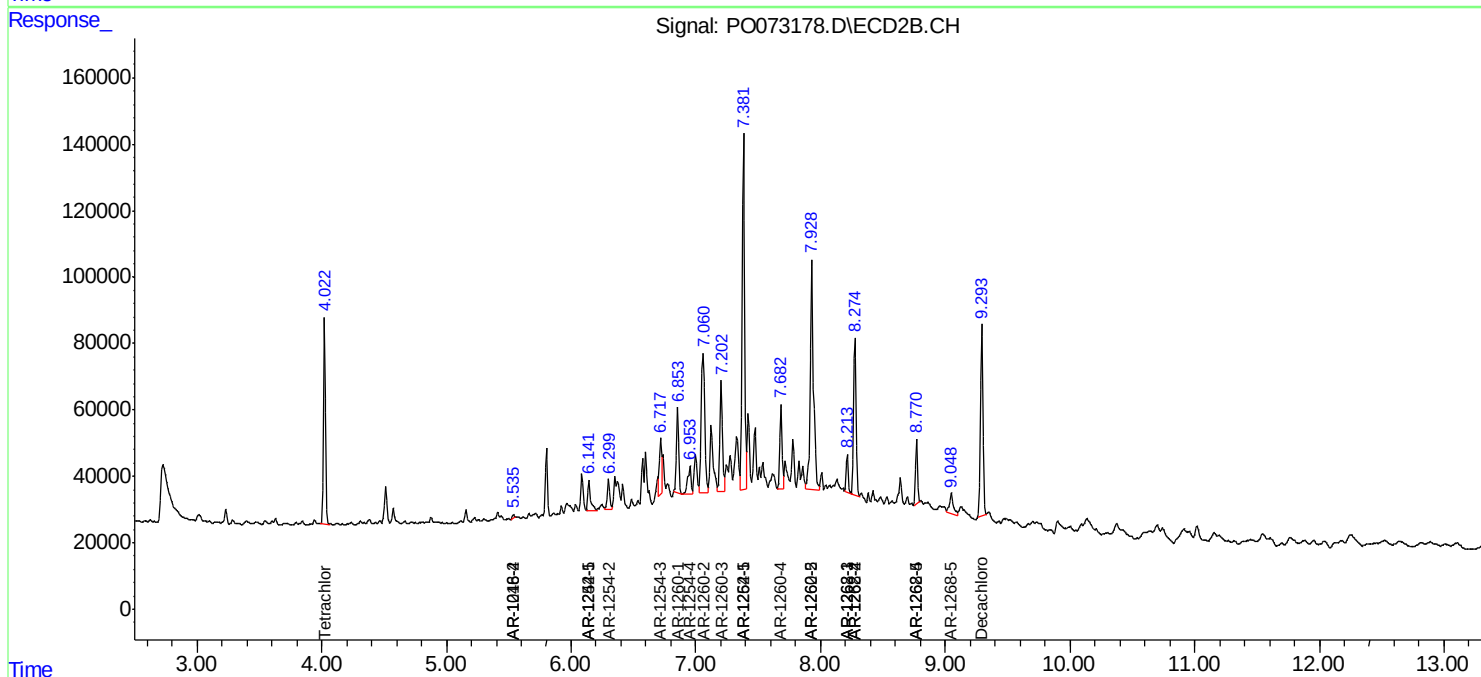
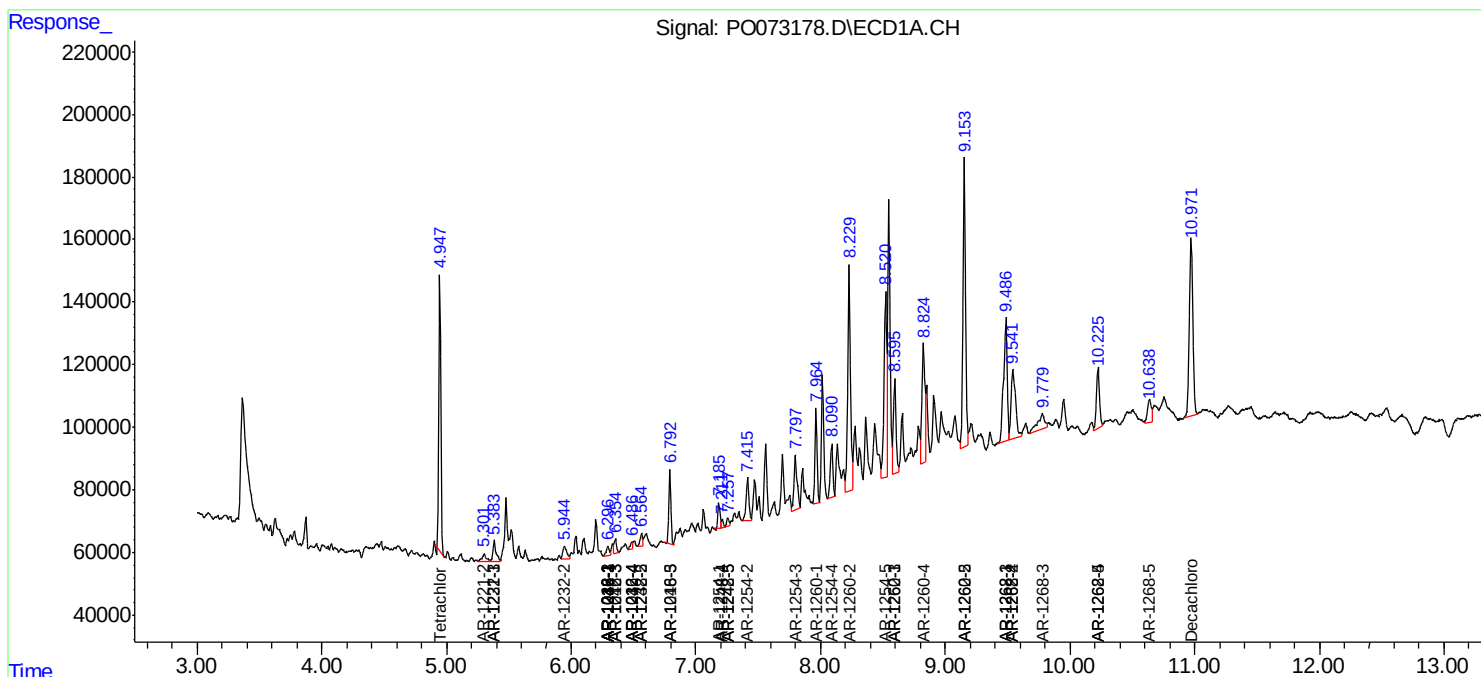
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

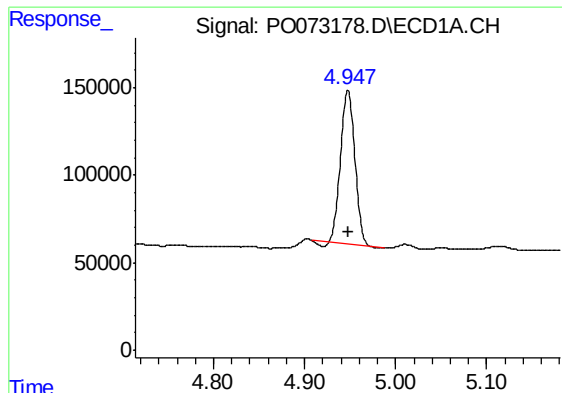
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110920\
Data File : PO073178.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Nov 2020 17:55
Operator : DD\AJ
Sample : L4671-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampled :
1B

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 10 01:05:25 2020
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110420.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Nov 05 05:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

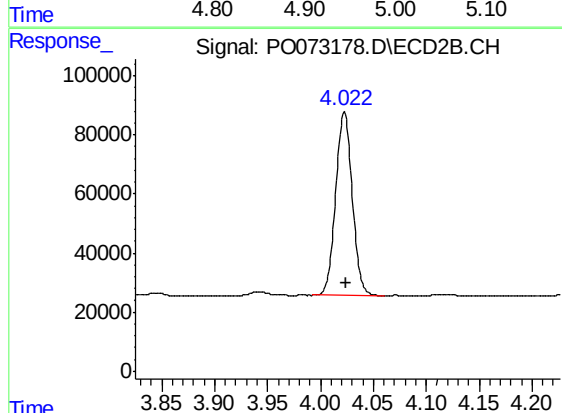




#1 Tetrachloro-m-xylene

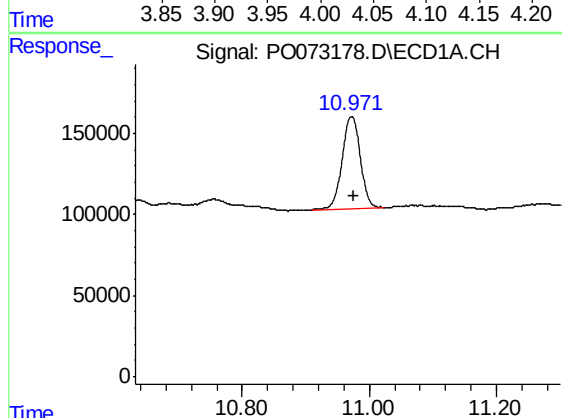
R.T.: 4.948 min
Delta R.T.: -0.001 min
Response: 951360
Conc: 17.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



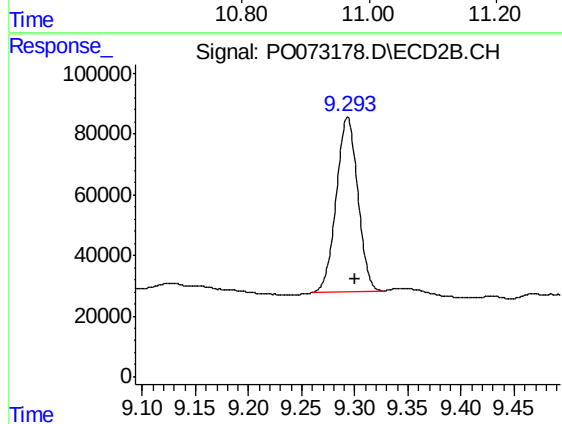
#1 Tetrachloro-m-xylene

R.T.: 4.023 min
Delta R.T.: -0.001 min
Response: 679992
Conc: 19.03 ng/ml



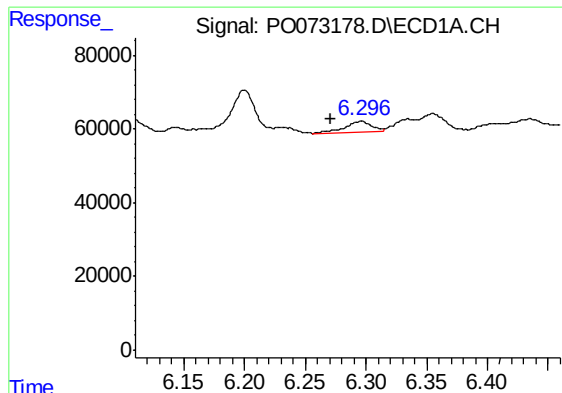
#2 Decachlorobiphenyl

R.T.: 10.972 min
Delta R.T.: -0.004 min
Response: 1120656
Conc: 27.08 ng/ml



#2 Decachlorobiphenyl

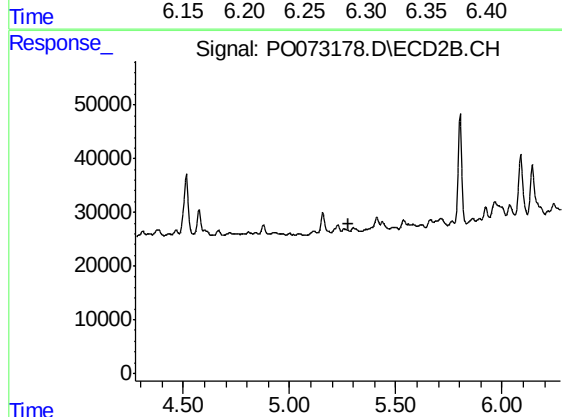
R.T.: 9.293 min
Delta R.T.: -0.006 min
Response: 811035
Conc: 24.31 ng/ml



#3 AR-1016-1

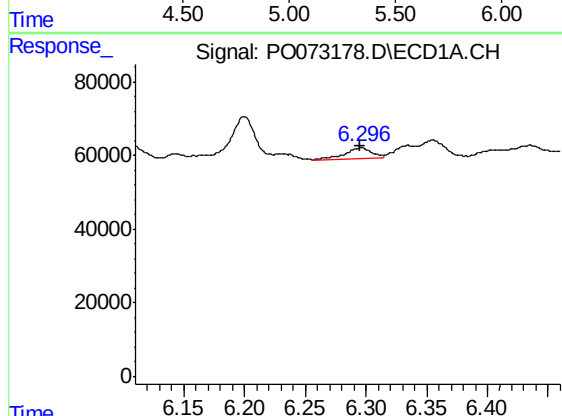
R.T.: 6.296 min
Delta R.T.: 0.025 min
Response: 45872
Conc: 23.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



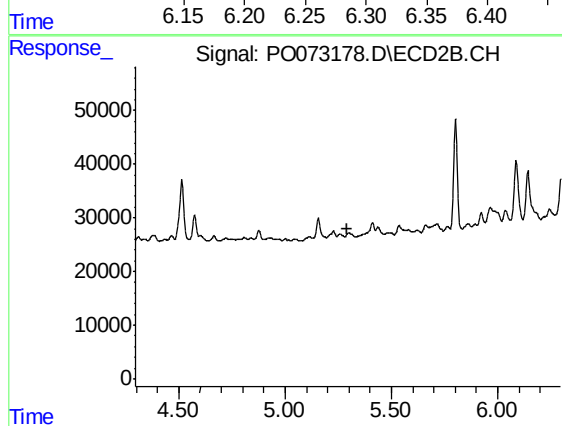
#3 AR-1016-1

R.T.: 0.000 min
Exp R.T. : 5.275 min
Response: 0
Conc: N.D.



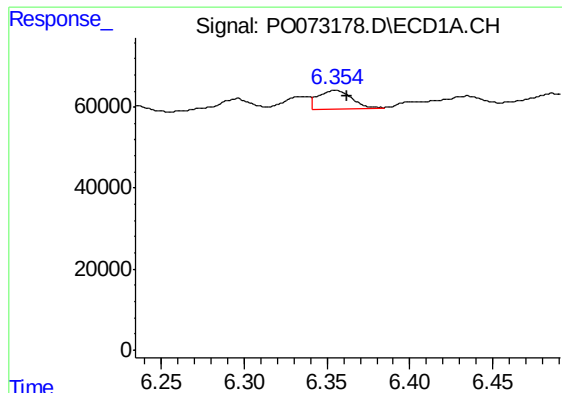
#4 AR-1016-2

R.T.: 6.296 min
Delta R.T.: 0.001 min
Response: 45872
Conc: 16.73 ng/ml



#4 AR-1016-2

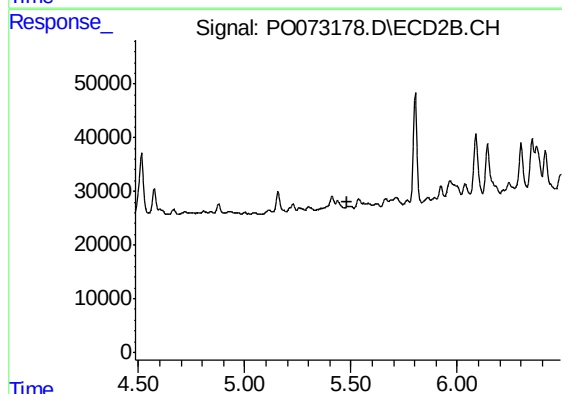
R.T.: 0.000 min
Exp R.T. : 5.295 min
Response: 0
Conc: N.D.



#5 AR-1016-3

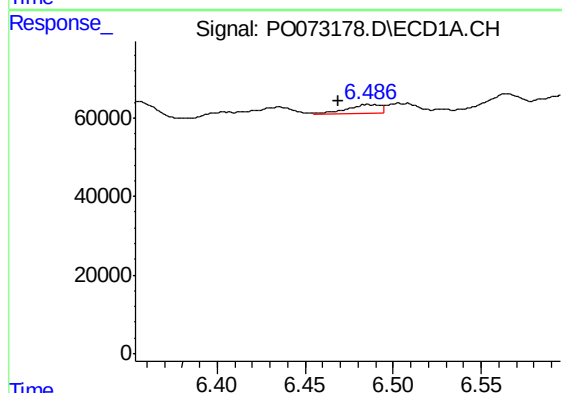
R.T.: 6.355 min
Delta R.T.: -0.007 min
Response: 62660
Conc: 37.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



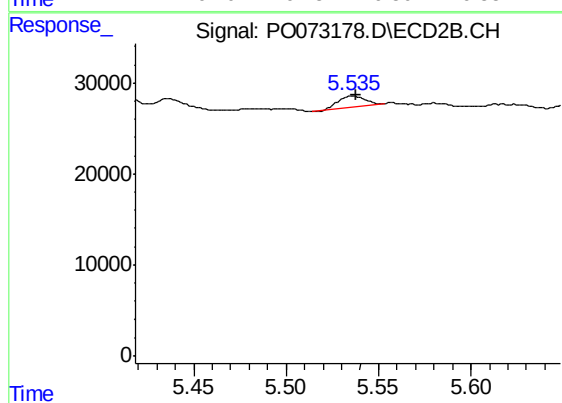
#5 AR-1016-3

R.T.: 0.000 min
Exp R.T. : 5.485 min
Response: 0
Conc: N.D.



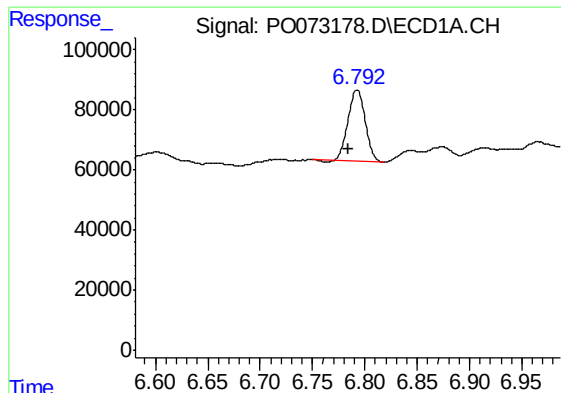
#6 AR-1016-4

R.T.: 6.486 min
Delta R.T.: 0.017 min
Response: 30047
Conc: 22.29 ng/ml



#6 AR-1016-4

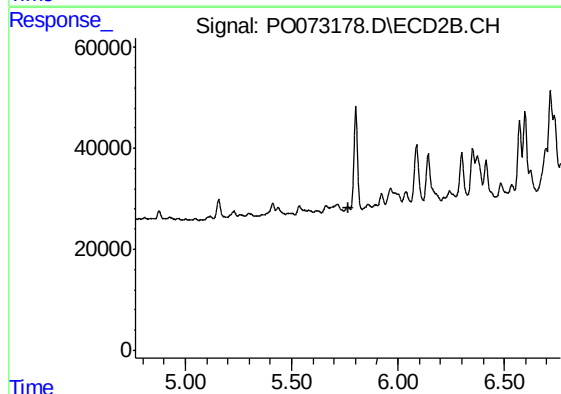
R.T.: 5.536 min
Delta R.T.: -0.002 min
Response: 12374
Conc: 14.69 ng/ml



#7 AR-1016-5

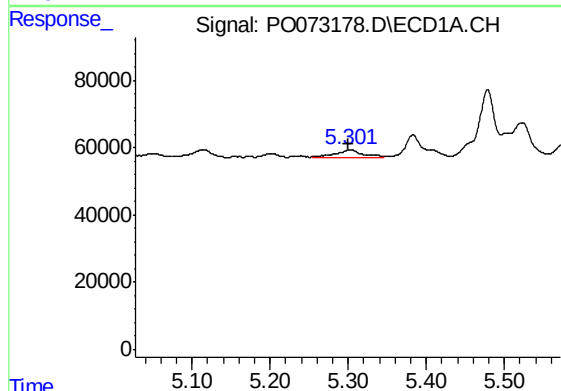
R.T.: 6.793 min
Delta R.T.: 0.008 min
Response: 274564
Conc: 242.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



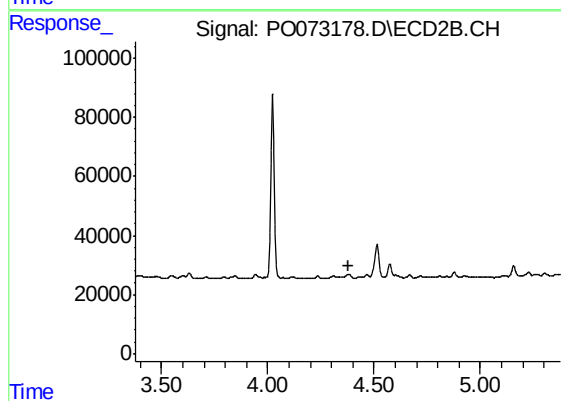
#7 AR-1016-5

R.T.: 0.000 min
Exp R.T. : 5.765 min
Response: 0
Conc: N.D.



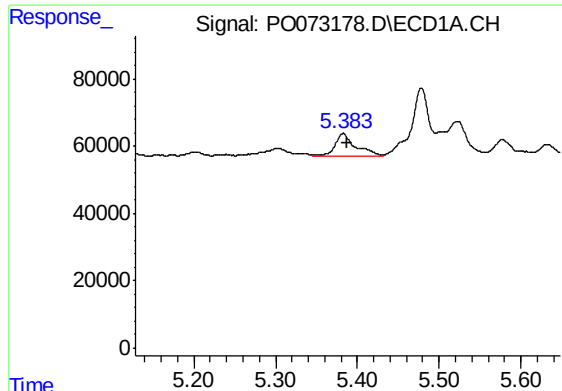
#9 AR-1221-2

R.T.: 5.302 min
Delta R.T.: 0.001 min
Response: 52495
Conc: 103.18 ng/ml



#9 AR-1221-2

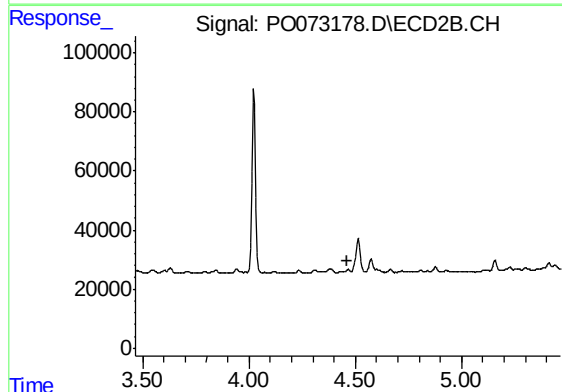
R.T.: 0.000 min
Exp R.T. : 4.377 min
Response: 0
Conc: N.D.



#10 AR-1221-3

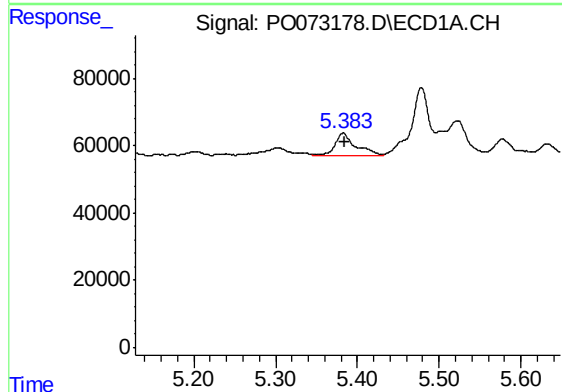
R.T.: 5.383 min
Delta R.T.: -0.005 min
Response: 114397
Conc: 73.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



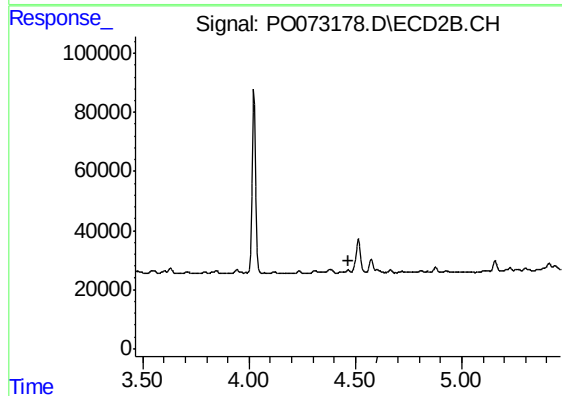
#10 AR-1221-3

R.T.: 0.000 min
Exp R.T. : 4.465 min
Response: 0
Conc: N.D.



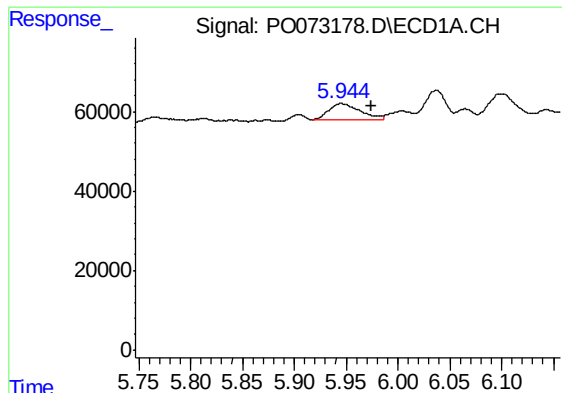
#11 AR-1232-1

R.T.: 5.383 min
Delta R.T.: -0.001 min
Response: 114397
Conc: 91.36 ng/ml



#11 AR-1232-1

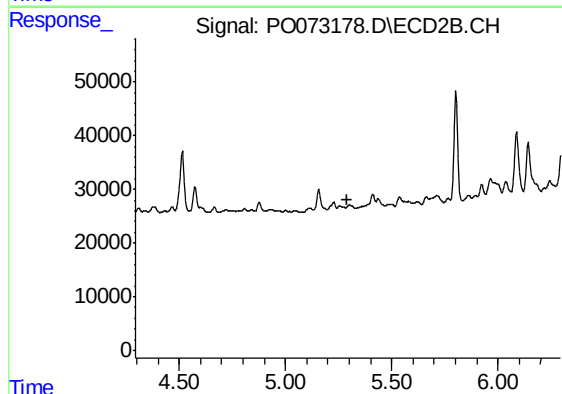
R.T.: 0.000 min
Exp R.T. : 4.465 min
Response: 0
Conc: N.D.



#12 AR-1232-2

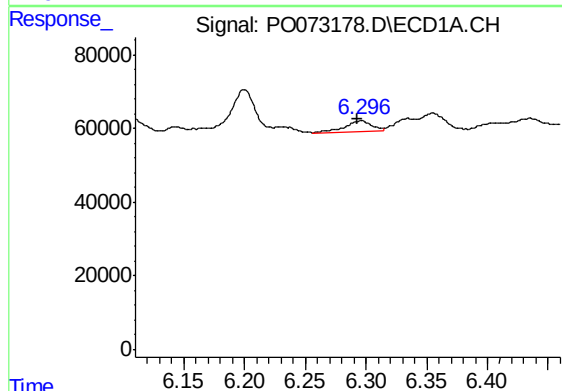
R.T.: 5.945 min
Delta R.T.: -0.029 min
Response: 86741
Conc: 140.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



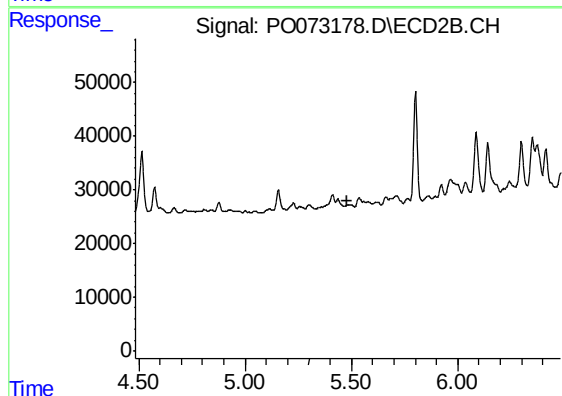
#12 AR-1232-2

R.T.: 0.000 min
Exp R.T. : 5.294 min
Response: 0
Conc: N.D.



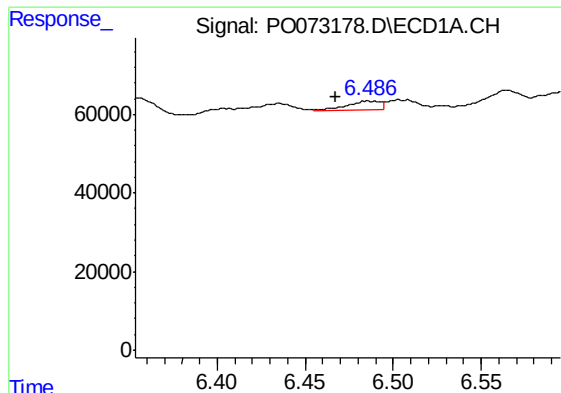
#13 AR-1232-3

R.T.: 6.296 min
Delta R.T.: 0.003 min
Response: 45872
Conc: 36.46 ng/ml



#13 AR-1232-3

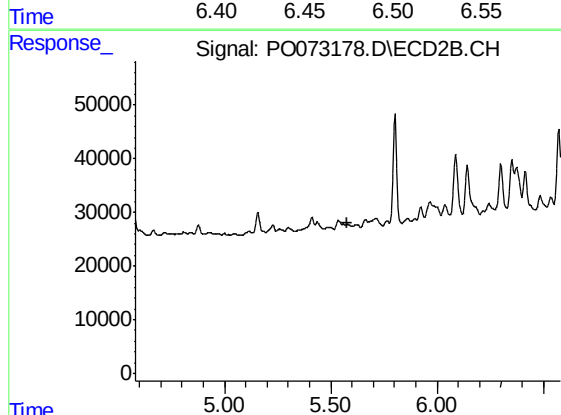
R.T.: 0.000 min
Exp R.T. : 5.483 min
Response: 0
Conc: N.D.



#14 AR-1232-4

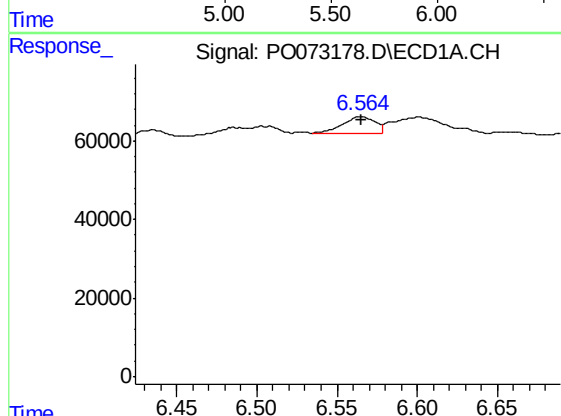
R.T.: 6.486 min
Delta R.T.: 0.018 min
Response: 30047
Conc: 49.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



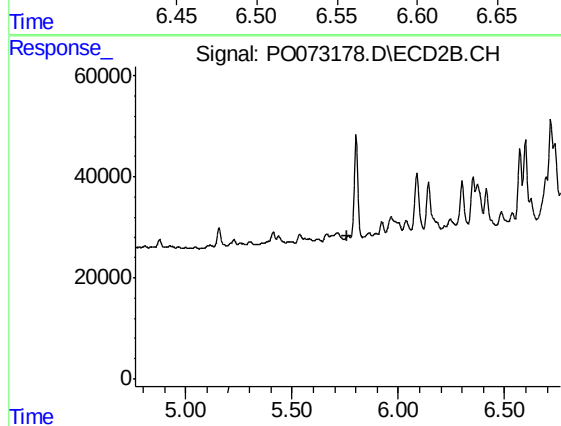
#14 AR-1232-4

R.T.: 0.000 min
Exp R.T. : 5.580 min
Response: 0
Conc: N.D.



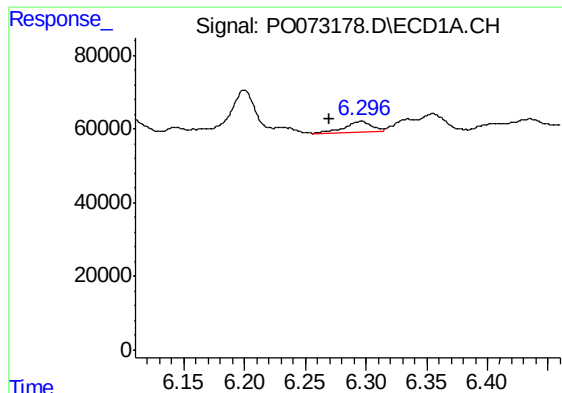
#15 AR-1232-5

R.T.: 6.565 min
Delta R.T.: 0.000 min
Response: 61082
Conc: 145.94 ng/ml



#15 AR-1232-5

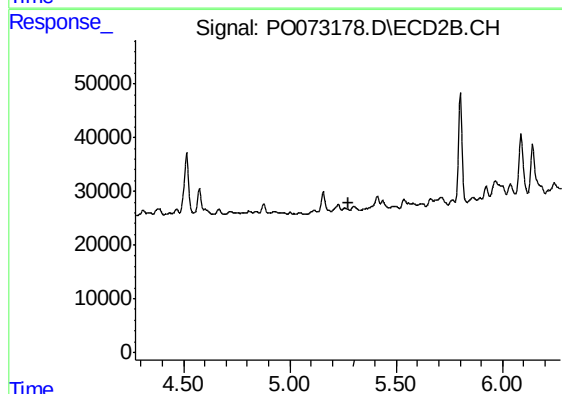
R.T.: 0.000 min
Exp R.T. : 5.763 min
Response: 0
Conc: N.D.



#16 AR-1242-1

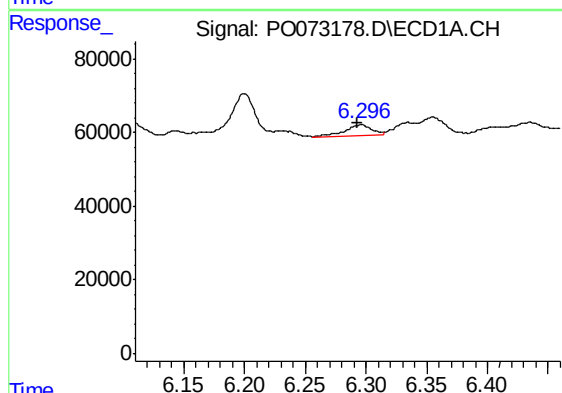
R.T.: 6.296 min
Delta R.T.: 0.027 min
Response: 45872
Conc: 26.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



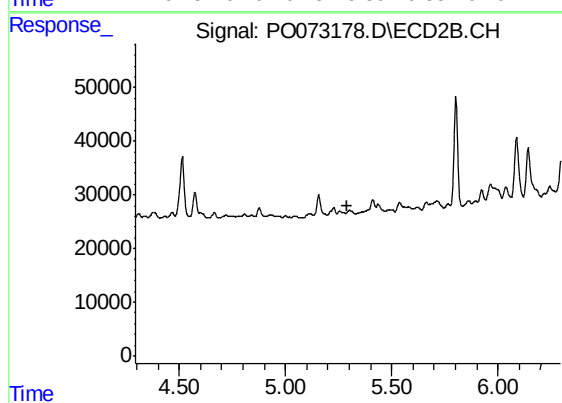
#16 AR-1242-1

R.T.: 0.000 min
Exp R.T. : 5.273 min
Response: 0
Conc: N.D.



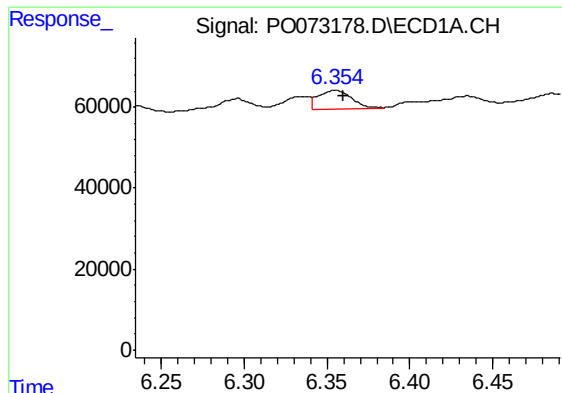
#17 AR-1242-2

R.T.: 6.296 min
Delta R.T.: 0.003 min
Response: 45872
Conc: 19.15 ng/ml



#17 AR-1242-2

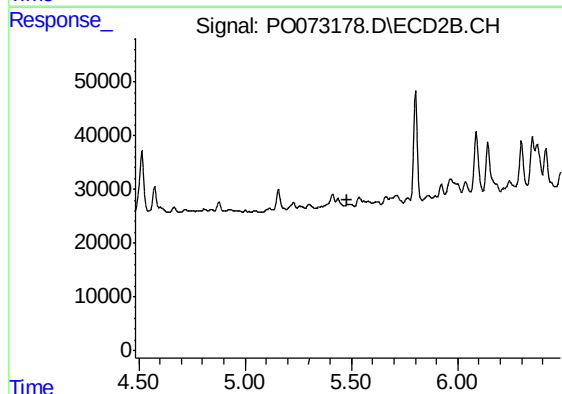
R.T.: 0.000 min
Exp R.T. : 5.294 min
Response: 0
Conc: N.D.



#18 AR-1242-3

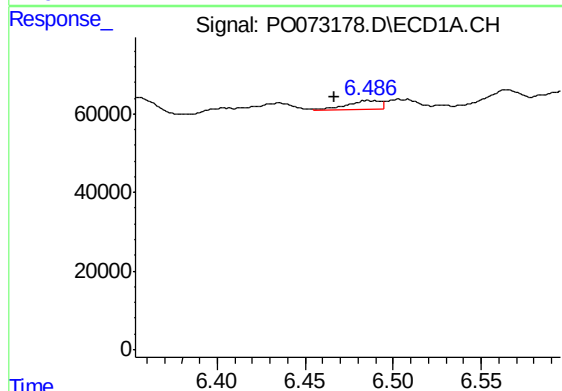
R.T.: 6.355 min
Delta R.T.: -0.005 min
Response: 62660
Conc: 42.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



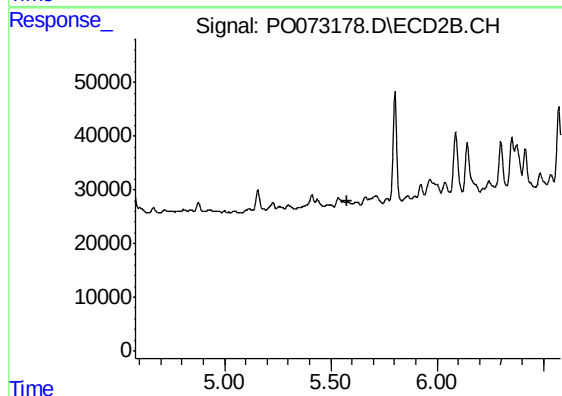
#18 AR-1242-3

R.T.: 0.000 min
Exp R.T. : 5.484 min
Response: 0
Conc: N.D.



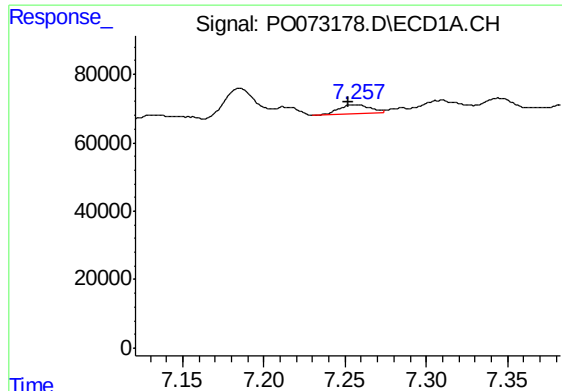
#19 AR-1242-4

R.T.: 6.486 min
Delta R.T.: 0.019 min
Response: 30047
Conc: 24.94 ng/ml



#19 AR-1242-4

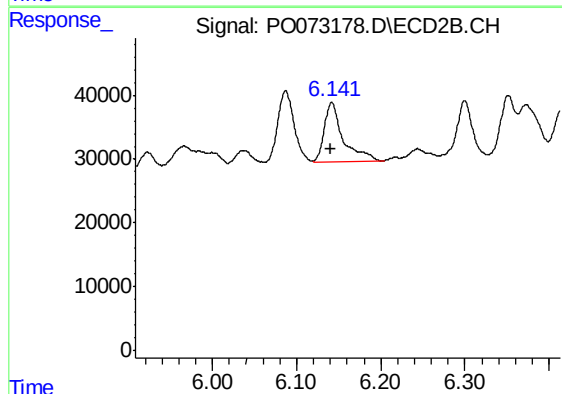
R.T.: 0.000 min
Exp R.T. : 5.580 min
Response: 0
Conc: N.D.



#20 AR-1242-5

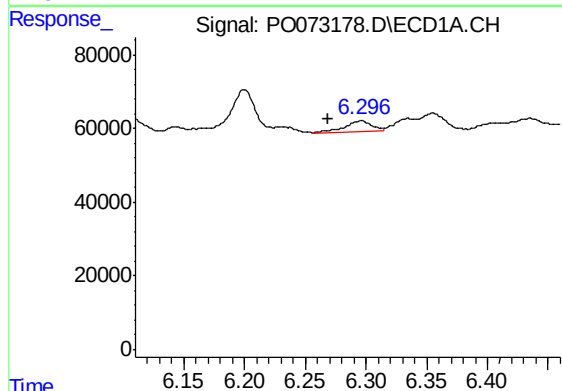
R.T.: 7.257 min
Delta R.T.: 0.005 min
Response: 36086
Conc: 27.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



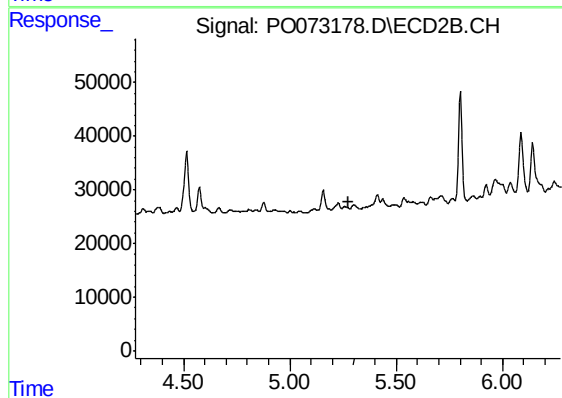
#20 AR-1242-5

R.T.: 6.142 min
Delta R.T.: 0.001 min
Response: 144341
Conc: 126.95 ng/ml



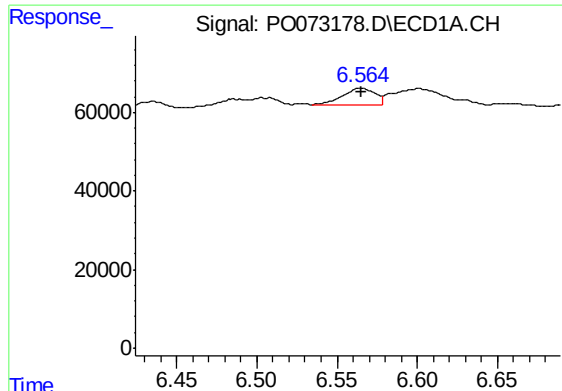
#21 AR-1248-1

R.T.: 6.296 min
Delta R.T.: 0.027 min
Response: 45872
Conc: 34.07 ng/ml



#21 AR-1248-1

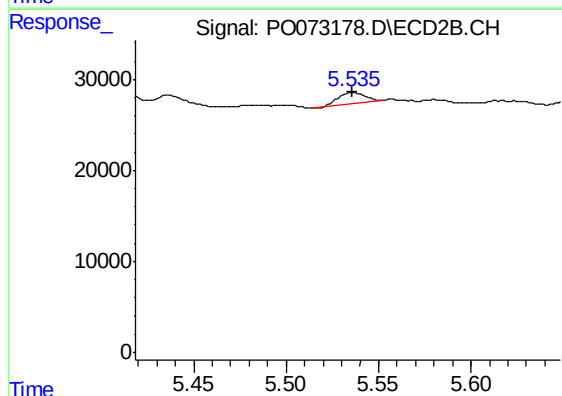
R.T.: 0.000 min
Exp R.T. : 5.273 min
Response: 0
Conc: N.D.



#22 AR-1248-2

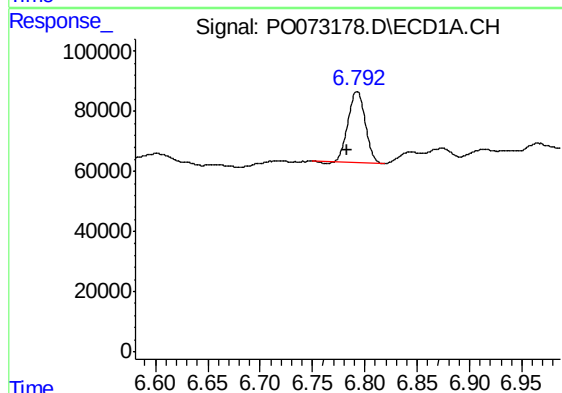
R.T.: 6.565 min
Delta R.T.: 0.000 min
Response: 61082
Conc: 35.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



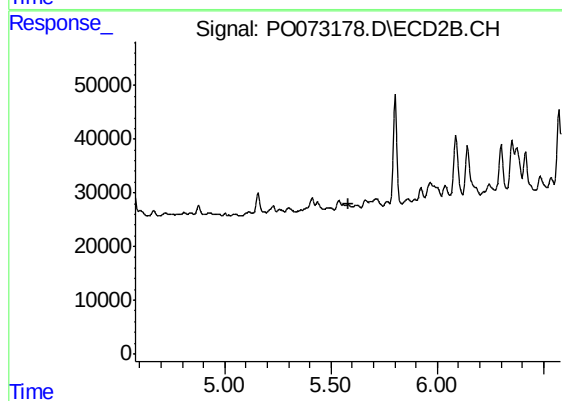
#22 AR-1248-2

R.T.: 5.536 min
Delta R.T.: 0.000 min
Response: 12374
Conc: 9.55 ng/ml



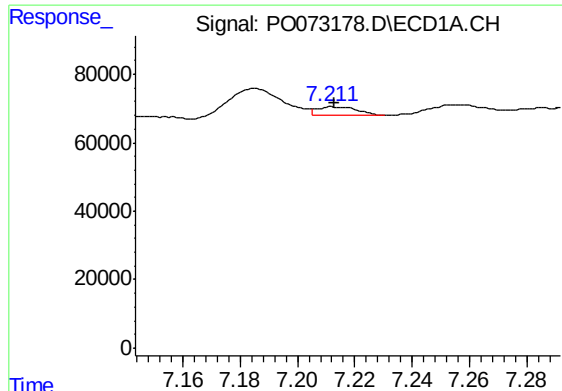
#23 AR-1248-3

R.T.: 6.793 min
Delta R.T.: 0.009 min
Response: 274564
Conc: 146.45 ng/ml



#23 AR-1248-3

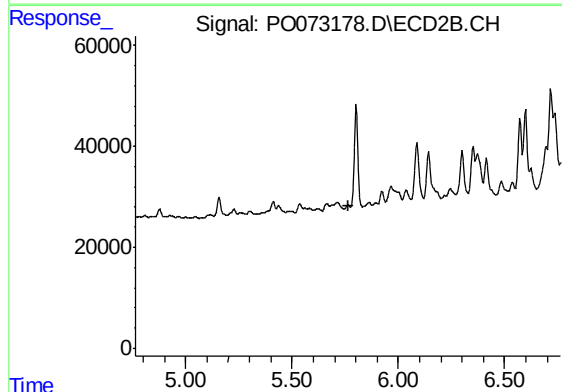
R.T.: 0.000 min
Exp R.T. : 5.580 min
Response: 0
Conc: N.D.



#24 AR-1248-4

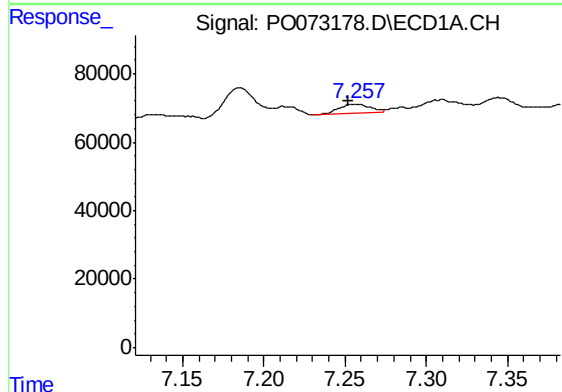
R.T.: 7.213 min
Delta R.T.: 0.000 min
Response: 25766
Conc: 10.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



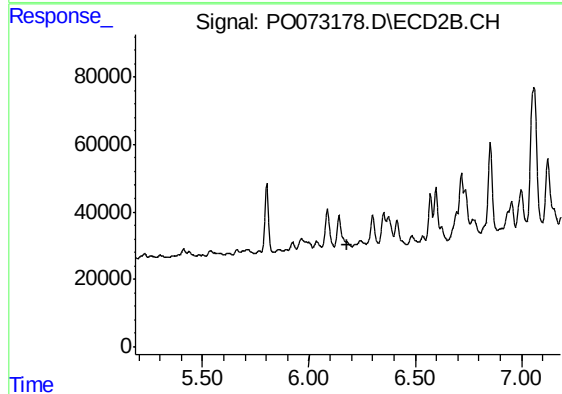
#24 AR-1248-4

R.T.: 0.000 min
Exp R.T. : 5.763 min
Response: 0
Conc: N.D.



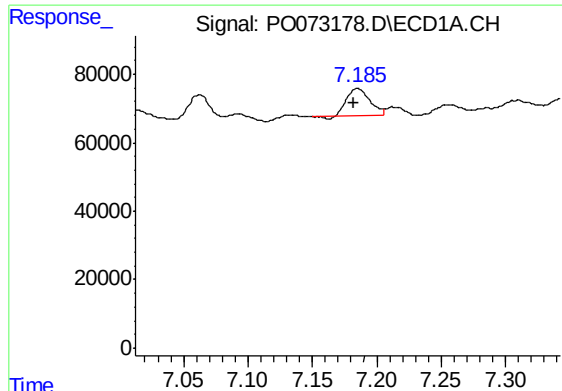
#25 AR-1248-5

R.T.: 7.257 min
Delta R.T.: 0.004 min
Response: 36086
Conc: 15.72 ng/ml



#25 AR-1248-5

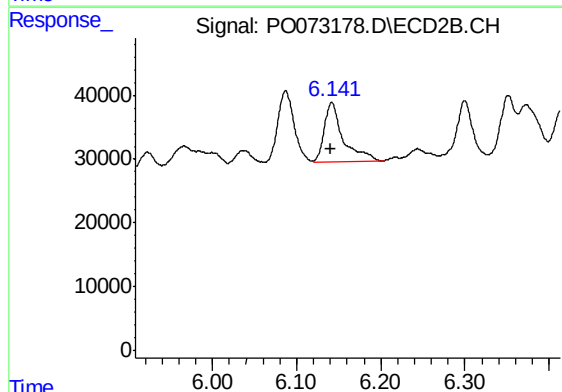
R.T.: 0.000 min
Exp R.T. : 6.184 min
Response: 0
Conc: N.D.



#26 AR-1254-1

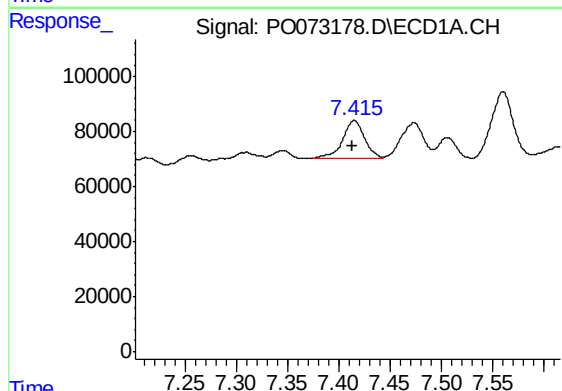
R.T.: 7.185 min
Delta R.T.: 0.003 min
Response: 101620
Conc: 43.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



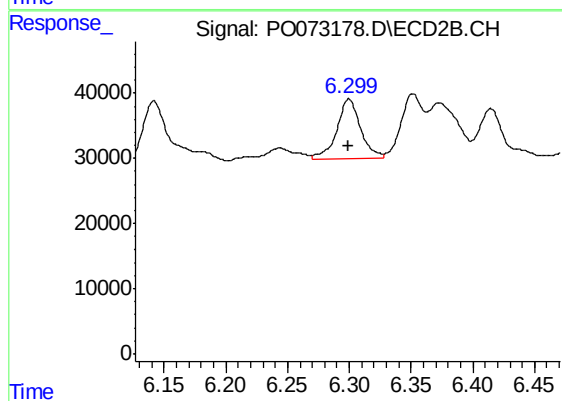
#26 AR-1254-1

R.T.: 6.142 min
Delta R.T.: 0.001 min
Response: 144341
Conc: 60.08 ng/ml



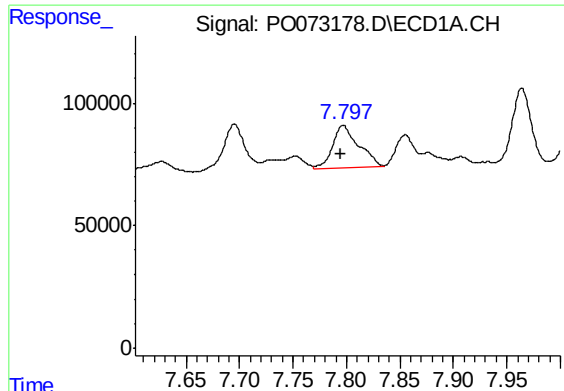
#27 AR-1254-2

R.T.: 7.415 min
Delta R.T.: 0.002 min
Response: 206716
Conc: 58.67 ng/ml



#27 AR-1254-2

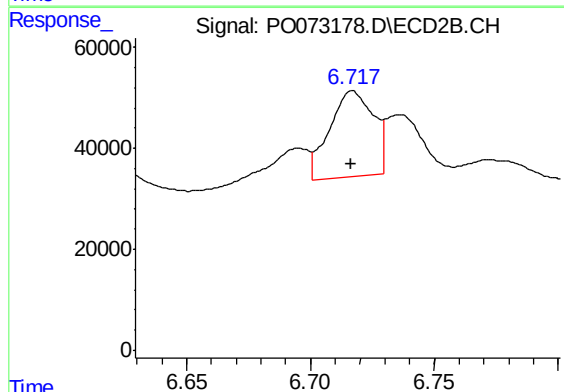
R.T.: 6.300 min
Delta R.T.: 0.000 min
Response: 123060
Conc: 57.50 ng/ml



#28 AR-1254-3

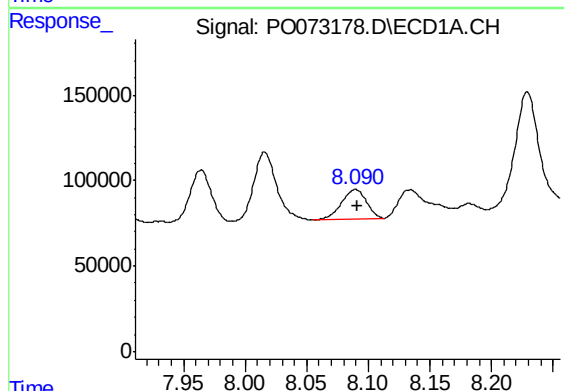
R.T.: 7.797 min
Delta R.T.: 0.002 min
Response: 294866
Conc: 81.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



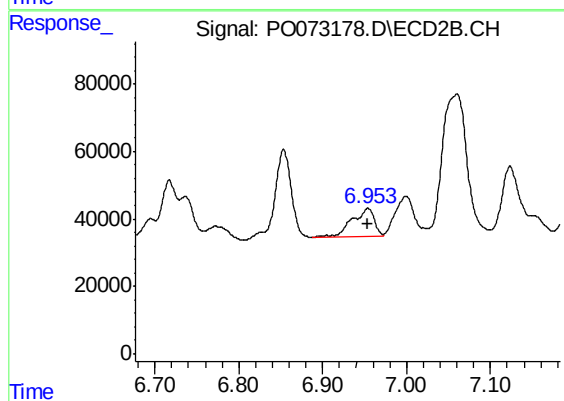
#28 AR-1254-3

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 208106
Conc: 61.86 ng/ml



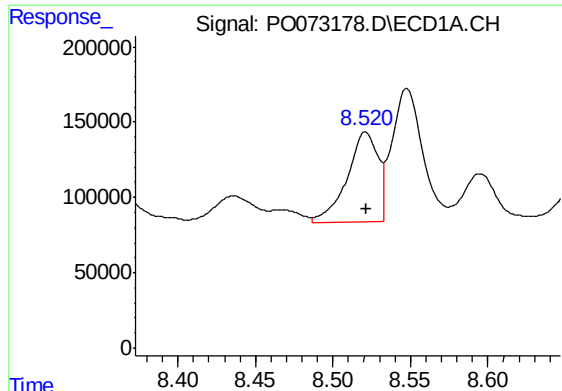
#29 AR-1254-4

R.T.: 8.090 min
Delta R.T.: -0.002 min
Response: 245346
Conc: 81.53 ng/ml



#29 AR-1254-4

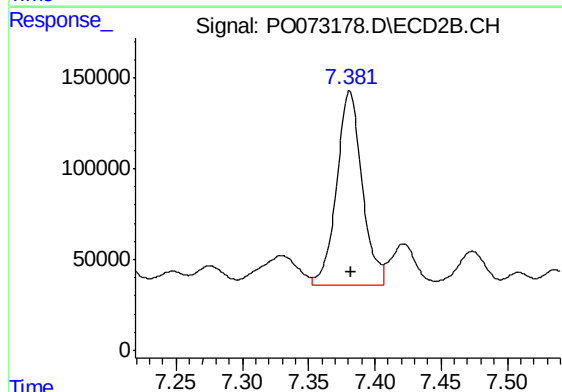
R.T.: 6.954 min
Delta R.T.: 0.000 min
Response: 157164
Conc: 70.77 ng/ml



#30 AR-1254-5

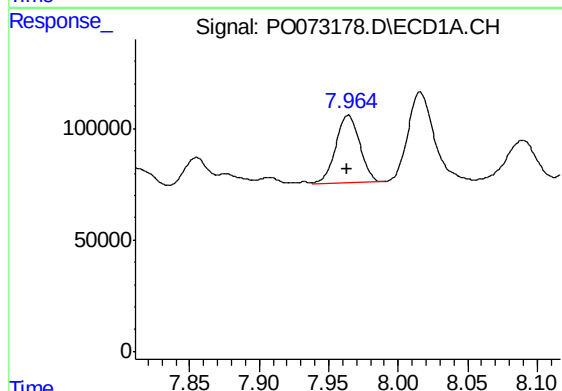
R.T.: 8.521 min
Delta R.T.: 0.000 min
Response: 817640
Conc: 282.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



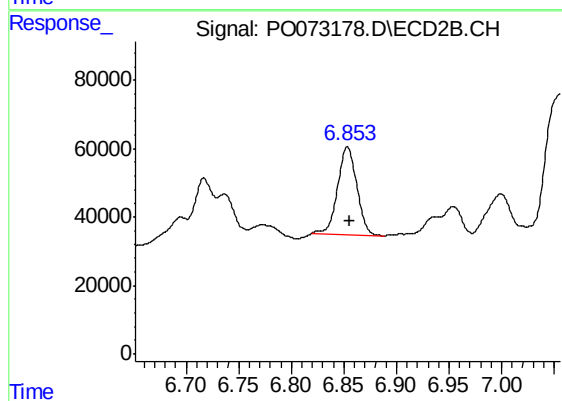
#30 AR-1254-5

R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 1422440
Conc: 468.59 ng/ml



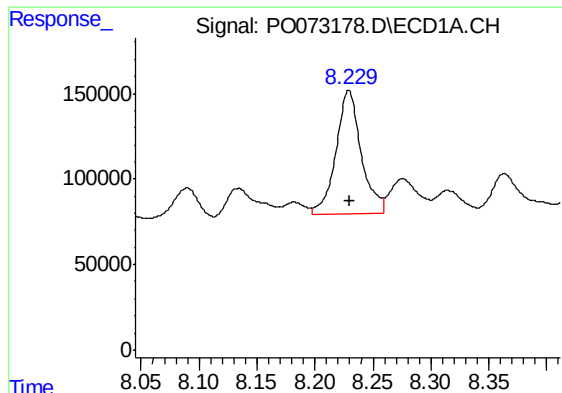
#31 AR-1260-1

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 361484
Conc: 165.95 ng/ml



#31 AR-1260-1

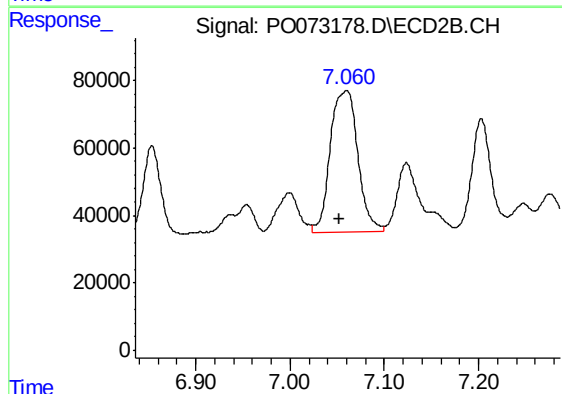
R.T.: 6.853 min
Delta R.T.: -0.002 min
Response: 324966
Conc: 161.75 ng/ml



#32 AR-1260-2

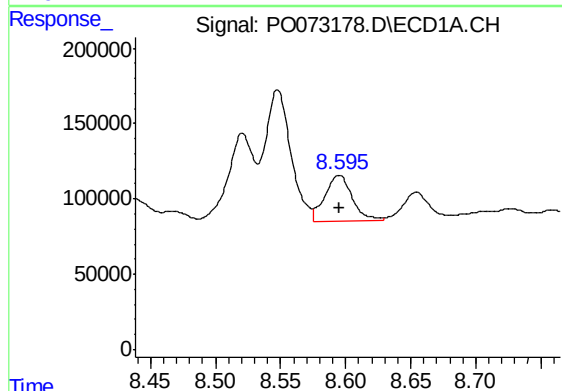
R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 1093341
Conc: 403.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



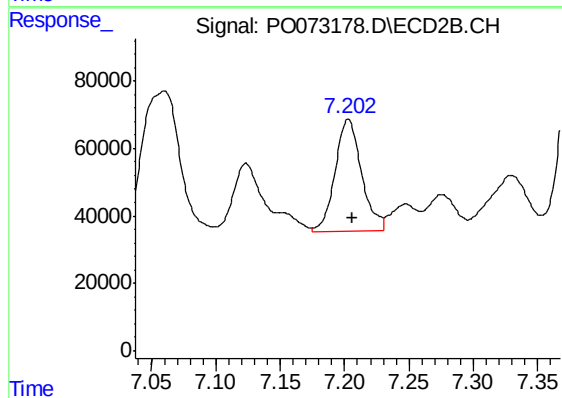
#32 AR-1260-2

R.T.: 7.060 min
Delta R.T.: 0.008 min
Response: 852810
Conc: 343.64 ng/ml



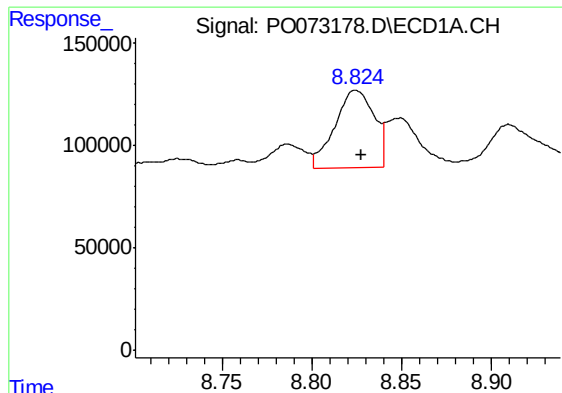
#33 AR-1260-3

R.T.: 8.595 min
Delta R.T.: 0.000 min
Response: 448605
Conc: 217.94 ng/ml



#33 AR-1260-3

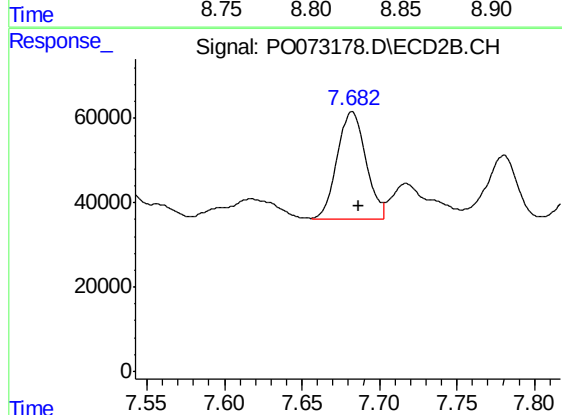
R.T.: 7.203 min
Delta R.T.: -0.003 min
Response: 472148
Conc: 209.18 ng/ml



#34 AR-1260-4

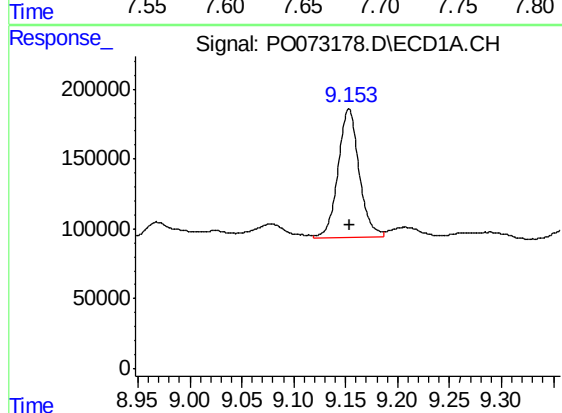
R.T.: 8.825 min
Delta R.T.: -0.003 min
Response: 582732
Conc: 255.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



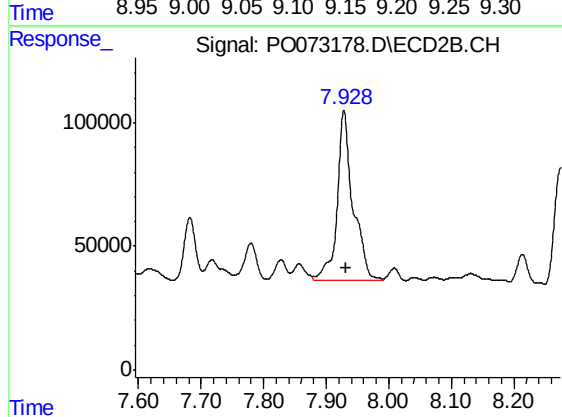
#34 AR-1260-4

R.T.: 7.682 min
Delta R.T.: -0.004 min
Response: 318278
Conc: 172.01 ng/ml



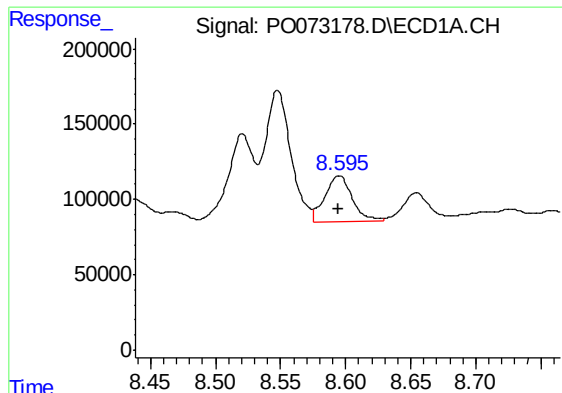
#35 AR-1260-5

R.T.: 9.153 min
Delta R.T.: -0.001 min
Response: 1313923
Conc: 297.88 ng/ml



#35 AR-1260-5

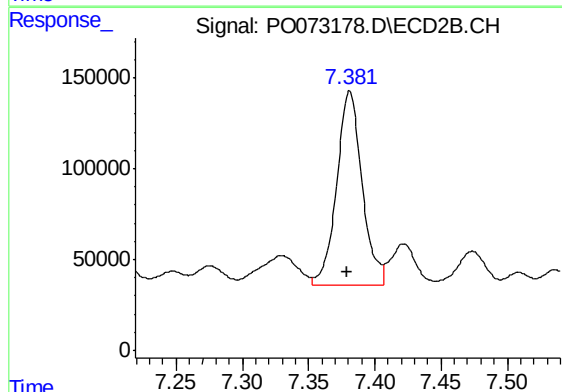
R.T.: 7.928 min
Delta R.T.: -0.004 min
Response: 1229885
Conc: 287.21 ng/ml



#36 AR-1262-1

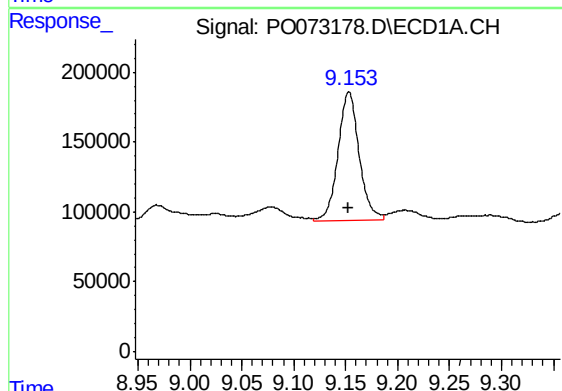
R.T.: 8.595 min
Delta R.T.: 0.000 min
Response: 448605
Conc: 131.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



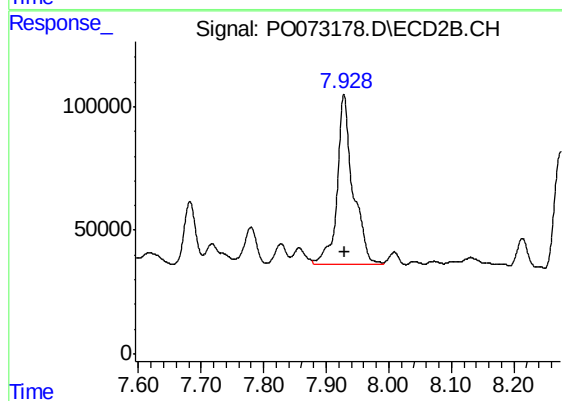
#36 AR-1262-1

R.T.: 7.381 min
Delta R.T.: 0.001 min
Response: 1422440
Conc: 913.40 ng/ml



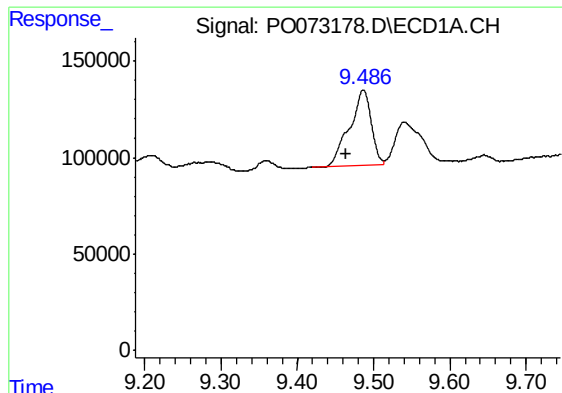
#37 AR-1262-2

R.T.: 9.153 min
Delta R.T.: 0.000 min
Response: 1313923
Conc: 226.33 ng/ml



#37 AR-1262-2

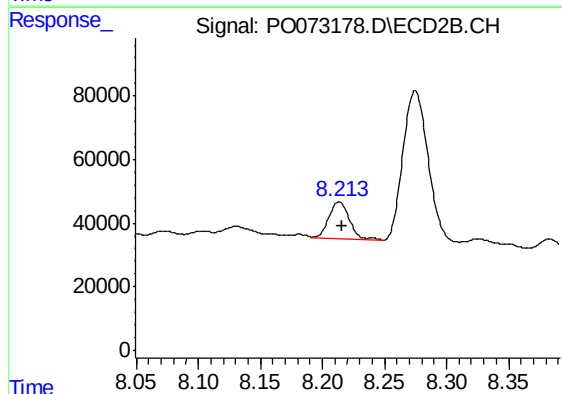
R.T.: 7.928 min
Delta R.T.: -0.001 min
Response: 1229885
Conc: 243.09 ng/ml



#38 AR-1262-3

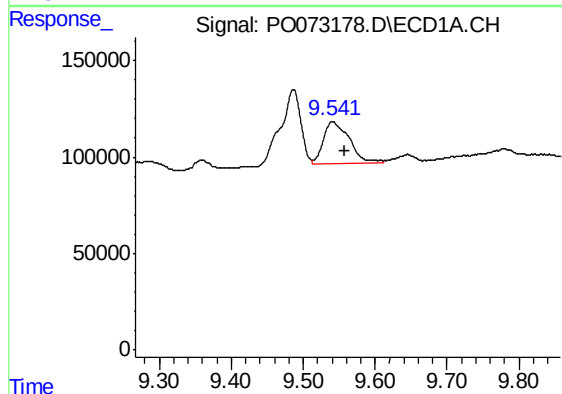
R.T.: 9.486 min
Delta R.T.: 0.023 min
Response: 776486
Conc: 186.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



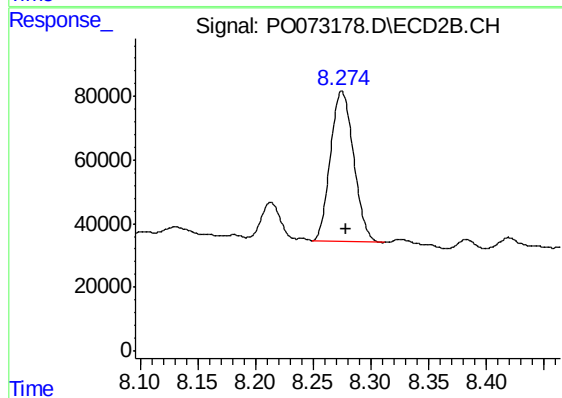
#38 AR-1262-3

R.T.: 8.213 min
Delta R.T.: -0.002 min
Response: 131712
Conc: 64.88 ng/ml



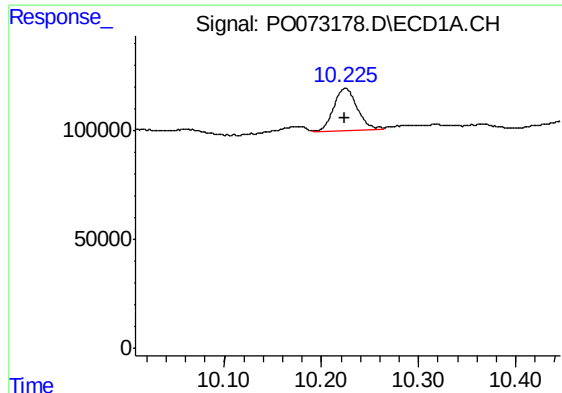
#39 AR-1262-4

R.T.: 9.541 min
Delta R.T.: -0.017 min
Response: 546162
Conc: 169.84 ng/ml



#39 AR-1262-4

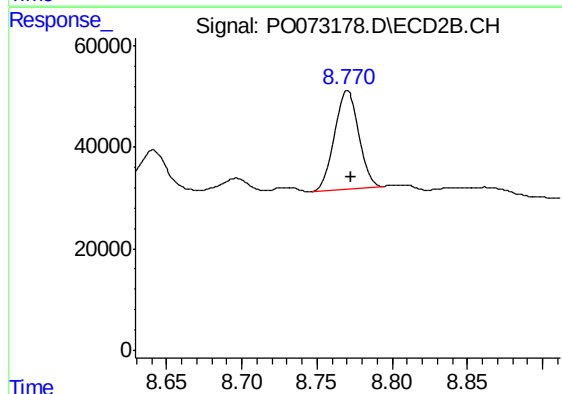
R.T.: 8.275 min
Delta R.T.: -0.004 min
Response: 664388
Conc: 180.95 ng/ml



#40 AR-1262-5

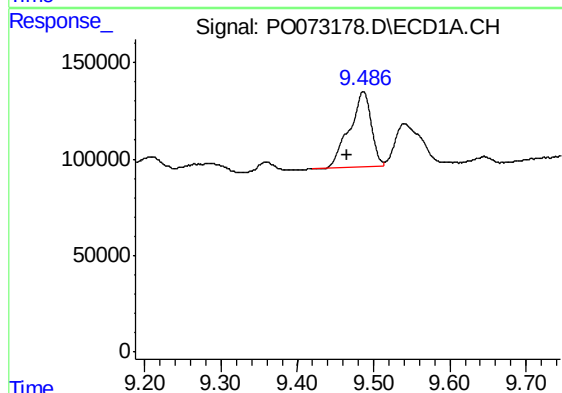
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 333509
Conc: 158.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



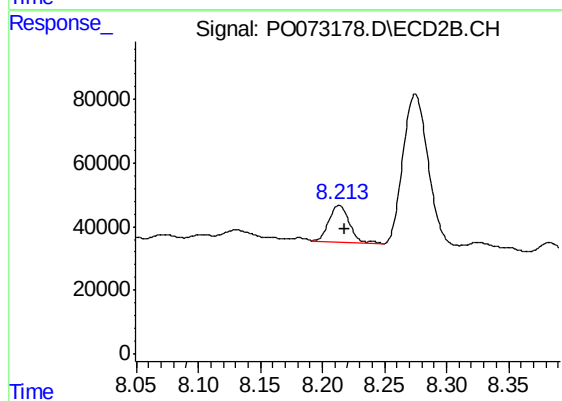
#40 AR-1262-5

R.T.: 8.770 min
Delta R.T.: -0.002 min
Response: 222438
Conc: 127.17 ng/ml



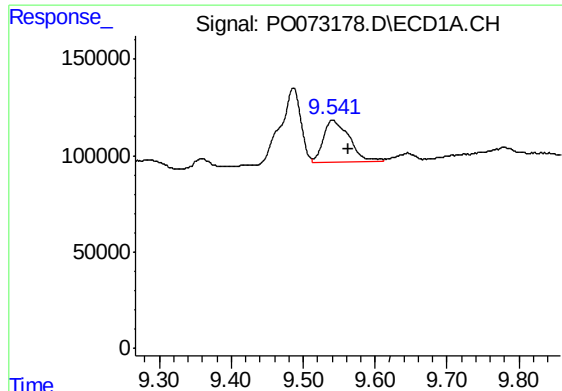
#41 AR-1268-1

R.T.: 9.486 min
Delta R.T.: 0.021 min
Response: 776486
Conc: 109.57 ng/ml



#41 AR-1268-1

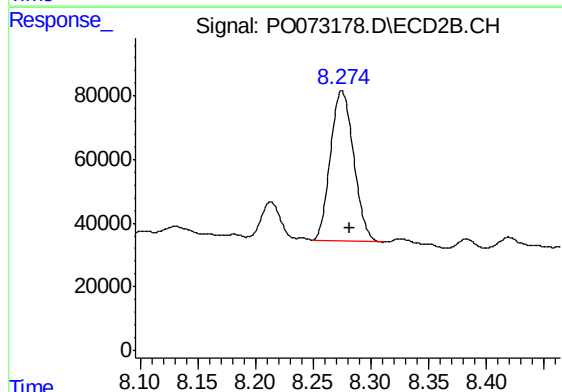
R.T.: 8.213 min
Delta R.T.: -0.005 min
Response: 131712
Conc: 23.17 ng/ml



#42 AR-1268-2

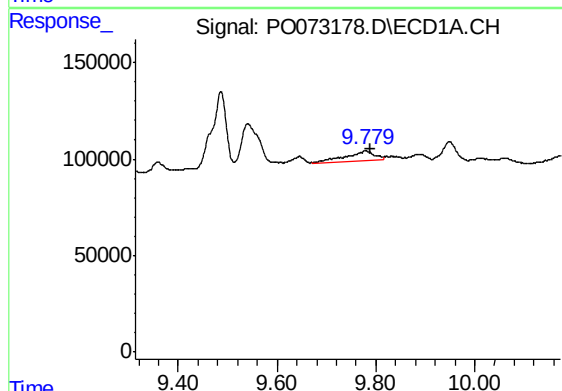
R.T.: 9.541 min
Delta R.T.: -0.021 min
Response: 546162
Conc: 84.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



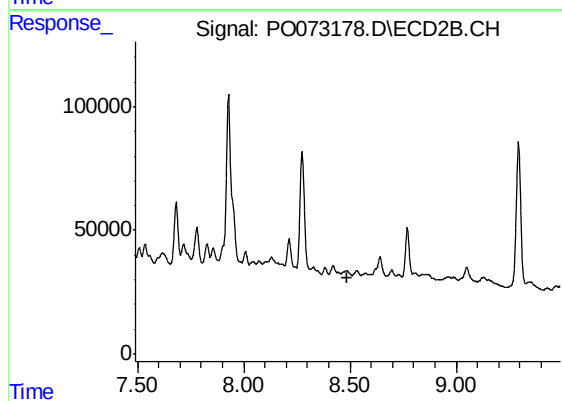
#42 AR-1268-2

R.T.: 8.275 min
Delta R.T.: -0.008 min
Response: 664388
Conc: 131.12 ng/ml



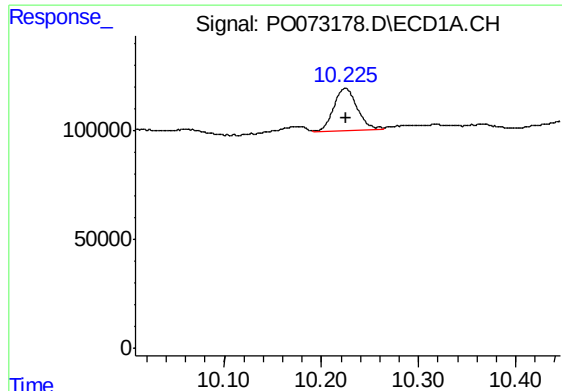
#43 AR-1268-3

R.T.: 9.779 min
Delta R.T.: -0.009 min
Response: 193480
Conc: 34.64 ng/ml



#43 AR-1268-3

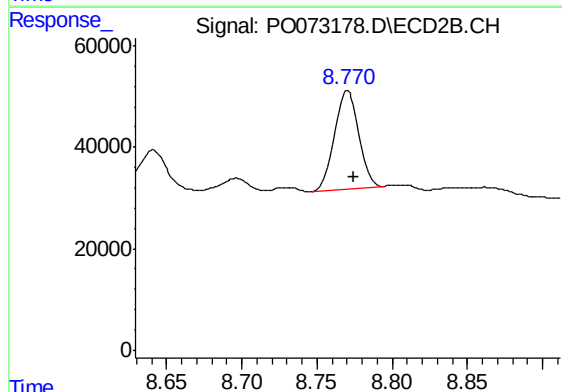
R.T.: 0.000 min
Exp R.T. : 8.490 min
Response: 0
Conc: N.D.



#44 AR-1268-4

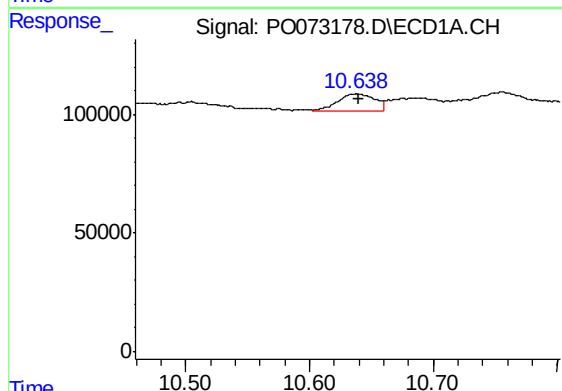
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 333509
Conc: 143.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
1B



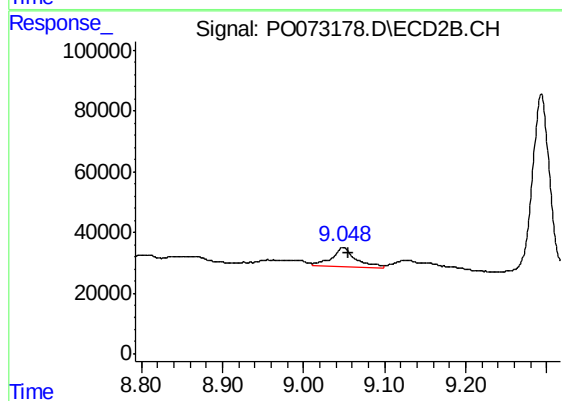
#44 AR-1268-4

R.T.: 8.770 min
Delta R.T.: -0.004 min
Response: 222438
Conc: 115.52 ng/ml



#45 AR-1268-5

R.T.: 10.638 min
Delta R.T.: -0.002 min
Response: 153272
Conc: 9.48 ng/ml



#45 AR-1268-5

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 128409
Conc: 9.86 ng/ml