Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112520\
Data File : PP031701.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Nov 2020 19:45
Operator : DD\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 00:49:48 2020
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112220.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 24 12:23:58 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...	4.789	4.061	2700260	2630458	55.764	54.894	
2)	SA Decachlor...	10.661	9.362	1763428	1944612	51.920	52.518	
	Target Compounds							
3)	L1 AR-1016-1	6.093	5.315	802642	775716	529.518	524.935	
4)	L1 AR-1016-2	6.117	5.336	1173421	1121671	519.665	515.876	
5)	L1 AR-1016-3	6.182	5.527	723965	611230	524.029	522.973	
6)	L1 AR-1016-4	6.287	5.578	607530	459398	522.824	526.295	
7)	L1 AR-1016-5	6.602	5.806	560469	550760	508.475	484.226	
8)	L2 AR-1221-1	5.030	4.317	82510	79058	151.714	155.826	
9)	L2 AR-1221-2	5.133	4.416	125833	118461	303.388	307.090	
10)	L2 AR-1221-3	5.217	4.505	450322	441122	365.726	365.713	
11)	L3 AR-1232-1	5.217	4.505	450322	441122	431.657	424.605	
12)	L3 AR-1232-2	5.801	5.336	605958	1121671	1117.446	1151.817	
13)	L3 AR-1232-3	6.117	5.527	1173421	611230	1161.917	1158.998	
14)	L3 AR-1232-4	6.287	5.623	607530	561691	1145.790	1329.995	
15)	L3 AR-1232-5	6.387	5.806	439118	550760	1366.971	1900.573	#
16)	L4 AR-1242-1	6.093	5.315	802642	775716	670.717	679.494	
17)	L4 AR-1242-2	6.117	5.336	1173421	1121671	659.490	666.974	
18)	L4 AR-1242-3	6.182	5.527	723965	611230	650.212	669.383	
19)	L4 AR-1242-4	6.287	5.623	607530	561691	657.357	668.674	
20)	L4 AR-1242-5	7.067	6.186	87536	425710	95.549	412.616	#
21)	L5 AR-1248-1	6.093	5.315	802642	775716	869.206	900.620	
22)	L5 AR-1248-2	6.387	5.578	439118	459398	371.235	384.752	
23)	L5 AR-1248-3	6.602	5.623	560469	561691	383.114	443.772	
24)	L5 AR-1248-4	7.027	5.806	102514	550760	65.370	359.491	#
25)	L5 AR-1248-5	7.067	6.230	87536	81119	55.142	55.598	
26)	L6 AR-1254-1	6.999	6.186	363434	425710	238.495	196.796	
27)	L6 AR-1254-2	7.227	6.345	374931	378175	161.439	202.994	#
28)	L6 AR-1254-3	7.606	6.783	288774	739219	114.306	239.132	#
29)	L6 AR-1254-4	7.898	7.004	186779	100779	110.077	59.320	#
30)	L6 AR-1254-5	8.326	7.432	1219445	1319247	652.315	488.686	#
31)	L7 AR-1260-1	7.773	6.901	888411	978539	507.651	495.190	
32)	L7 AR-1260-2	8.038	7.099	1044562	1190679	508.366	488.936	
33)	L7 AR-1260-3	8.403	7.253	811615	1128282	497.608	494.072	
34)	L7 AR-1260-4	8.633	7.735	909102	959038	493.716	504.725	
35)	L7 AR-1260-5	8.946	7.983	1855364	2296418	503.189	506.048	
36)	L8 AR-1262-1	8.403	7.473	811615	1046882	357.216	376.681	
37)	L8 AR-1262-2	8.946	7.983	1855364	2296418	466.923	472.772	
38)	L8 AR-1262-3	9.260	8.269	1209791	527279	434.979	268.076	#
39)	L8 AR-1262-4	9.330	8.332	361277	1703589	164.806	469.932	#
40)	L8 AR-1262-5	9.958	8.829	591195	654096	404.922	402.970	
41)	L9 AR-1268-1	9.260f	8.269	1209791	527279	251.748	95.296	#
42)	L9 AR-1268-2	9.330	8.332	361277	1703589	77.608	315.089	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112520\
Data File : PP031701.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Nov 2020 19:45
Operator : DD\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 00:49:48 2020
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112220.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 24 12:23:58 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
43)	L9 AR-1268-3	0.000	8.541	0	29850	N.D.	6.508 #
44)	L9 AR-1268-4	9.958	8.829	591195	654096	380.610	358.860
45)	L9 AR-1268-5	10.348	9.115	170760	186444	13.998	13.464

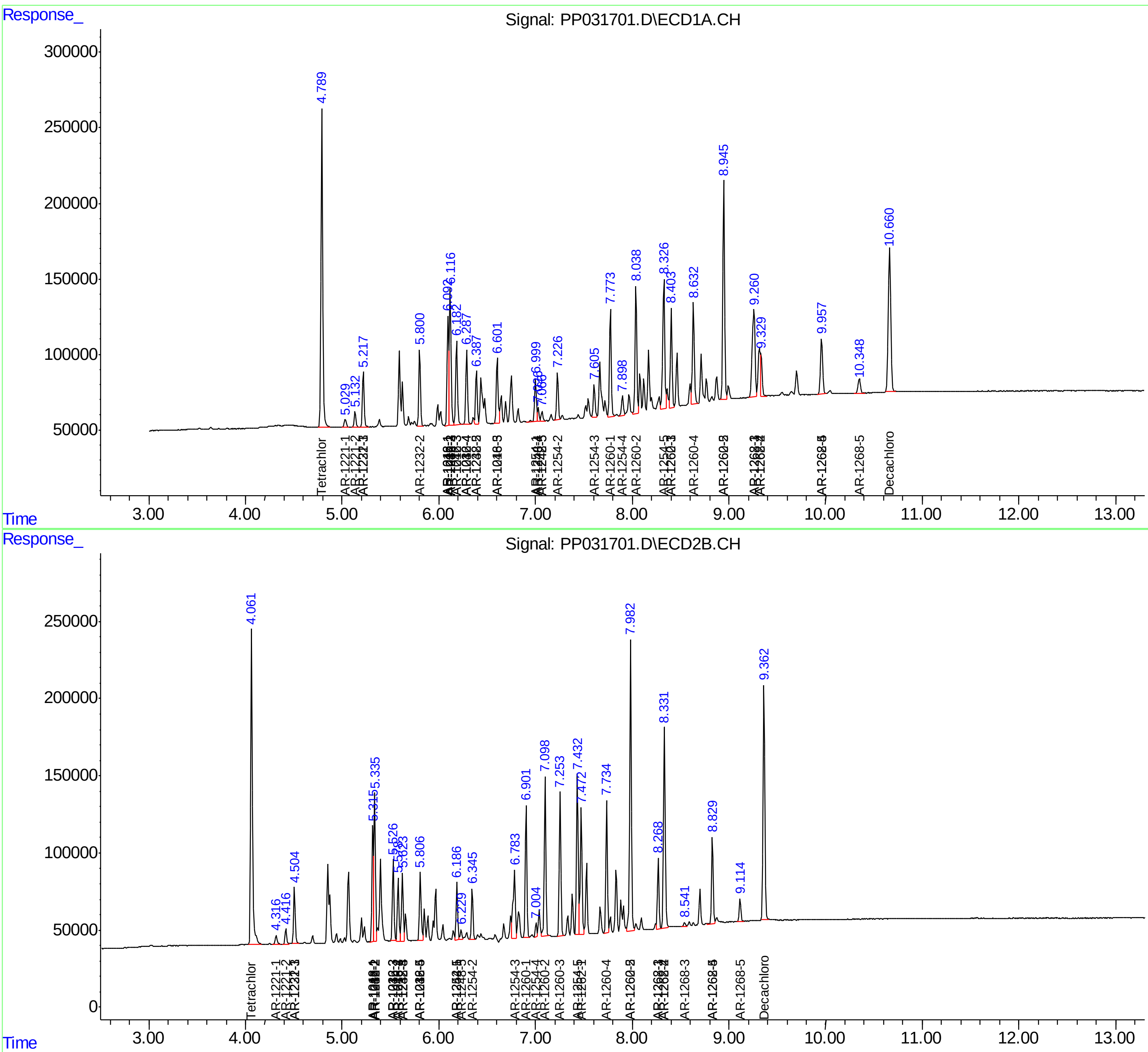
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

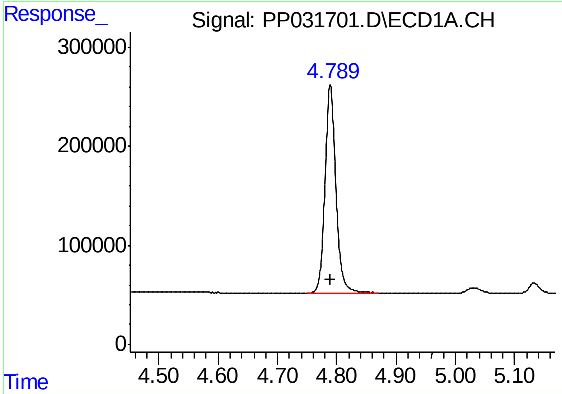
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP112520\
Data File : PP031701.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 25 Nov 2020 19:45
Operator : DD\AJ
Sample   : AR1660CCC500
Misc   :
ALS Vial : 3   Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 27 00:49:48 2020
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP112220.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 24 12:23:58 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

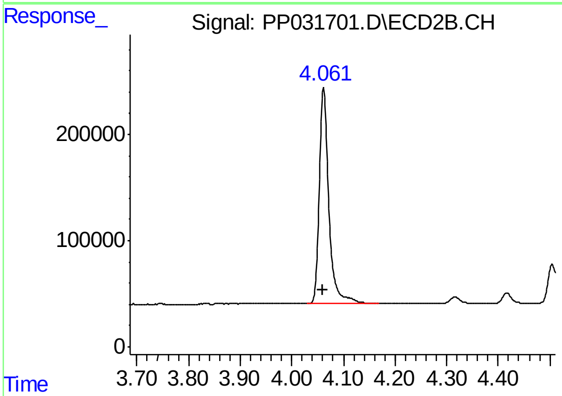




#1 Tetrachloro-m-xylene

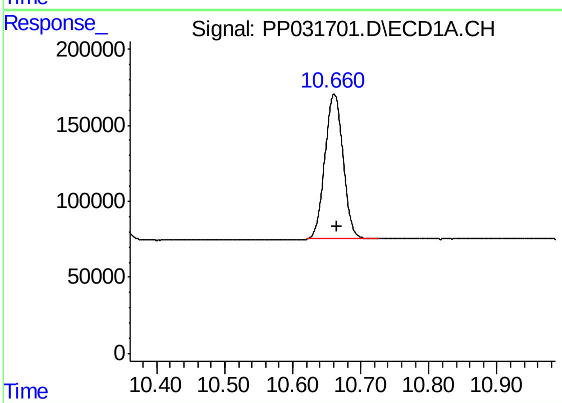
R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 2700260
Conc: 55.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



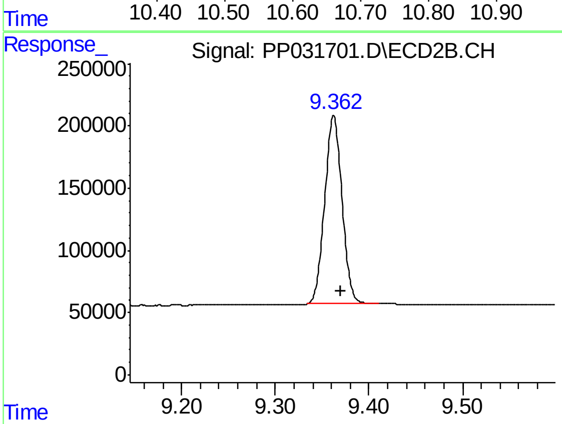
#1 Tetrachloro-m-xylene

R.T.: 4.061 min
Delta R.T.: 0.000 min
Response: 2630458
Conc: 54.89 ng/ml



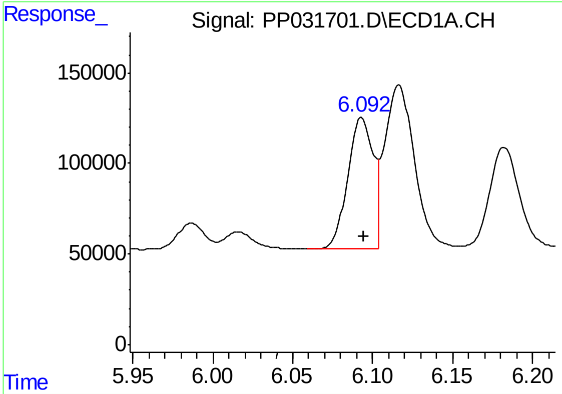
#2 Decachlorobiphenyl

R.T.: 10.661 min
Delta R.T.: -0.004 min
Response: 1763428
Conc: 51.92 ng/ml



#2 Decachlorobiphenyl

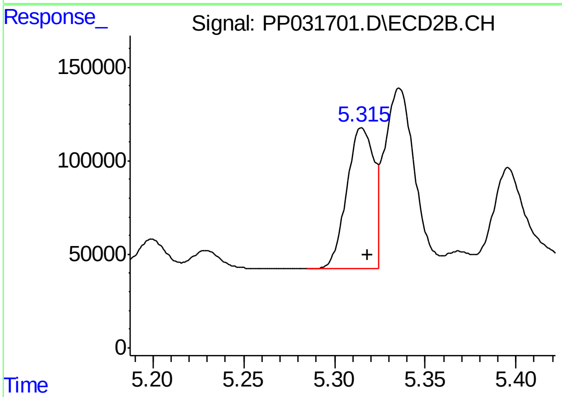
R.T.: 9.362 min
Delta R.T.: -0.008 min
Response: 1944612
Conc: 52.52 ng/ml



#3 AR-1016-1

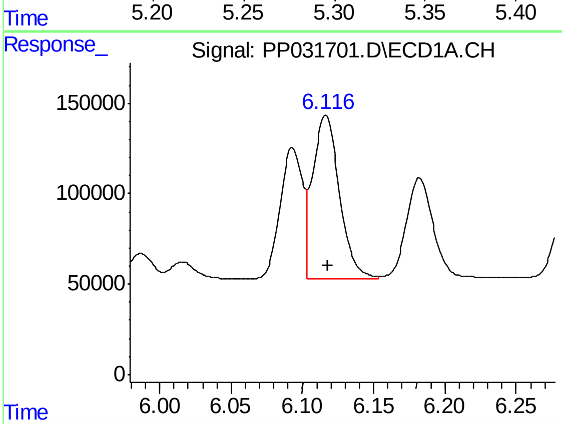
R.T.: 6.093 min
Delta R.T.: -0.002 min
Response: 802642
Conc: 529.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



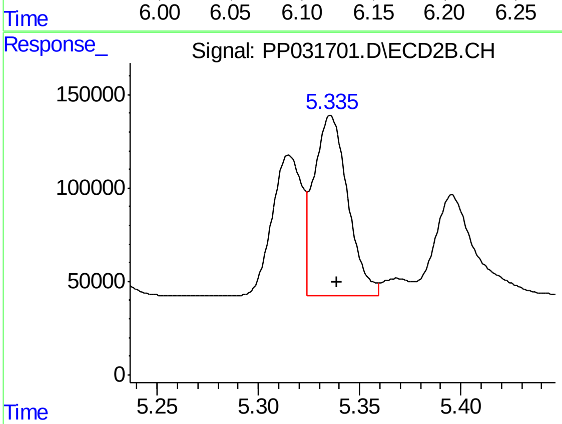
#3 AR-1016-1

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 775716
Conc: 524.94 ng/ml



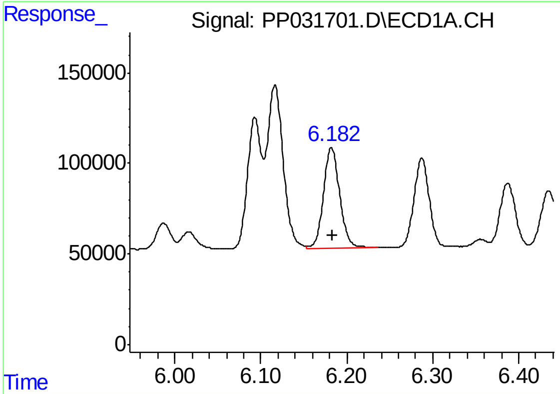
#4 AR-1016-2

R.T.: 6.117 min
Delta R.T.: -0.001 min
Response: 1173421
Conc: 519.66 ng/ml



#4 AR-1016-2

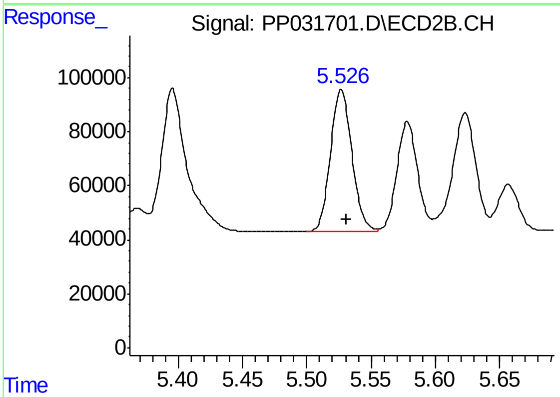
R.T.: 5.336 min
Delta R.T.: -0.003 min
Response: 1121671
Conc: 515.88 ng/ml



#5 AR-1016-3

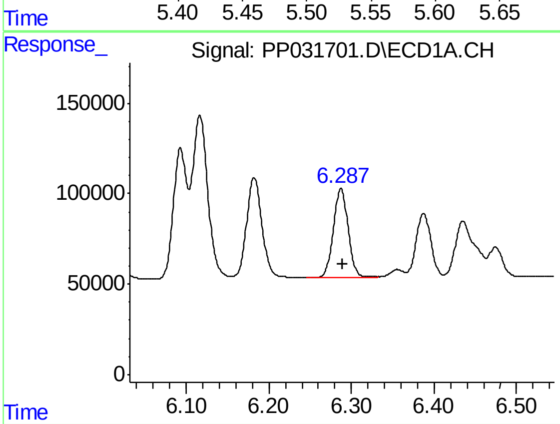
R.T.: 6.182 min
Delta R.T.: -0.001 min
Response: 723965
Conc: 524.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



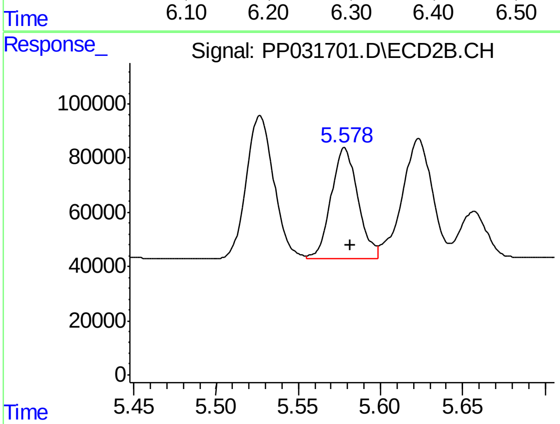
#5 AR-1016-3

R.T.: 5.527 min
Delta R.T.: -0.004 min
Response: 611230
Conc: 522.97 ng/ml



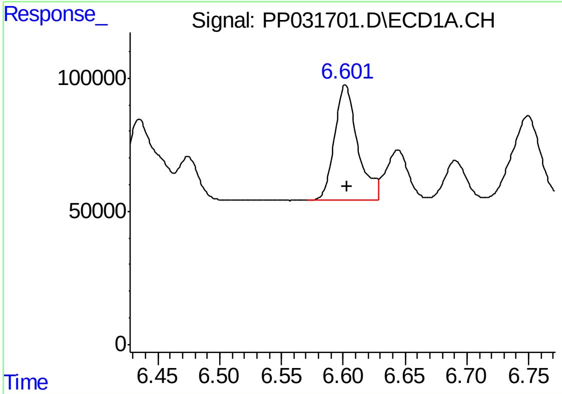
#6 AR-1016-4

R.T.: 6.287 min
Delta R.T.: -0.002 min
Response: 607530
Conc: 522.82 ng/ml



#6 AR-1016-4

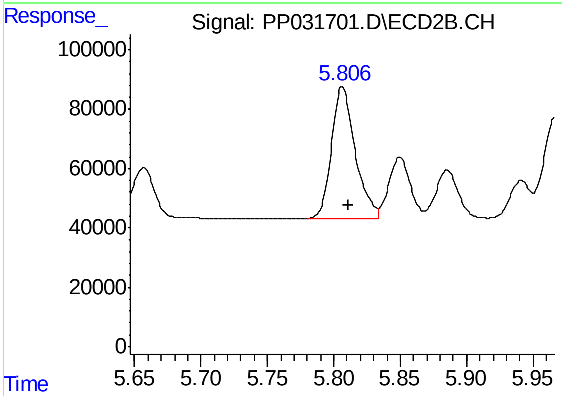
R.T.: 5.578 min
Delta R.T.: -0.004 min
Response: 459398
Conc: 526.30 ng/ml



#7 AR-1016-5

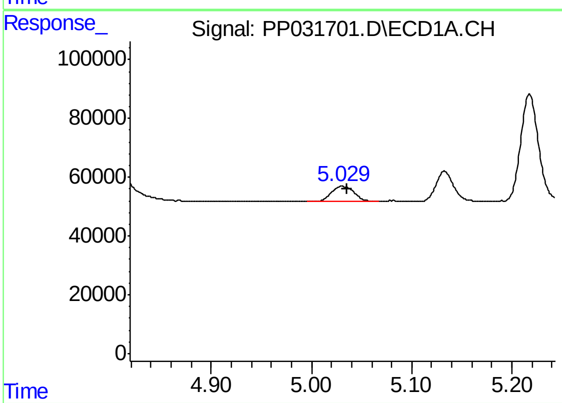
```
     R.T.:    6.602 min
Delta R.T.:   -0.001 min
  Response:    560469
     Conc: 508.48 ng/ml
```

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



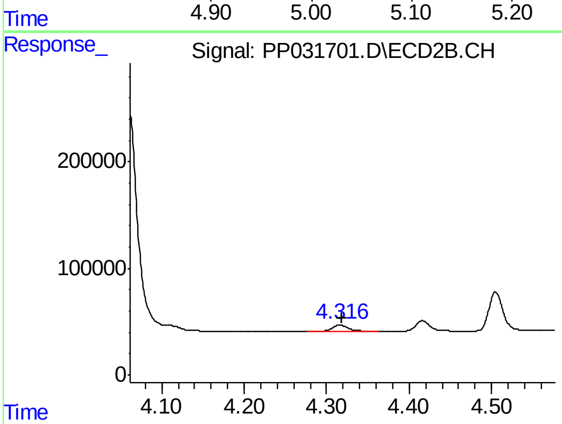
#7 AR-1016-5

```
     R.T.:    5.806 min
Delta R.T.:   -0.004 min
  Response:    550760
     Conc: 484.23 ng/ml
```



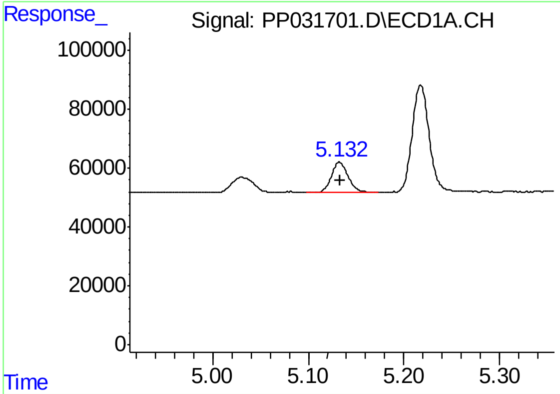
#8 AR-1221-1

```
     R.T.:    5.030 min
Delta R.T.:   -0.005 min
  Response:     82510
     Conc: 151.71 ng/ml
```



#8 AR-1221-1

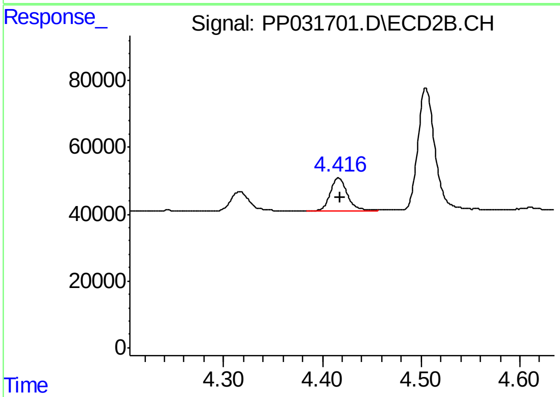
```
     R.T.:    4.317 min
Delta R.T.:   -0.002 min
  Response:     79058
     Conc: 155.83 ng/ml
```



#9 AR-1221-2

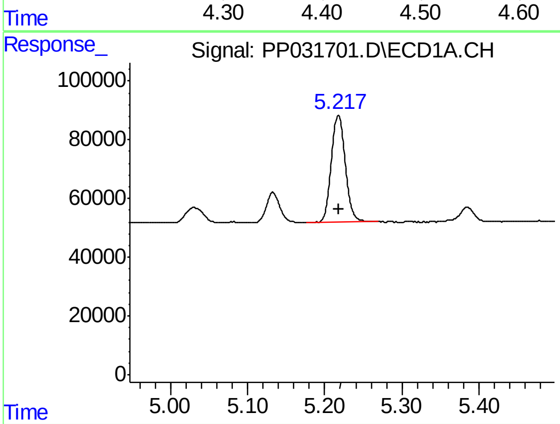
R.T.: 5.133 min
Delta R.T.: 0.000 min
Response: 125833
Conc: 303.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



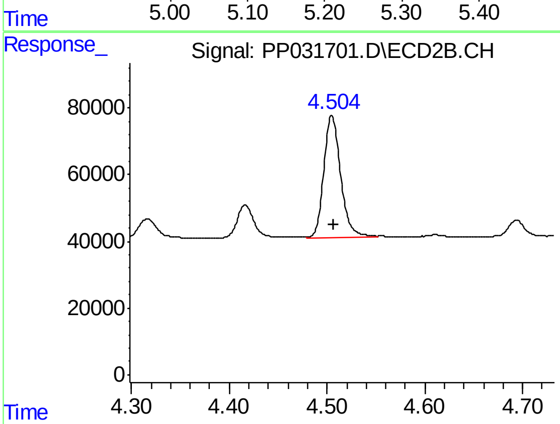
#9 AR-1221-2

R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 118461
Conc: 307.09 ng/ml



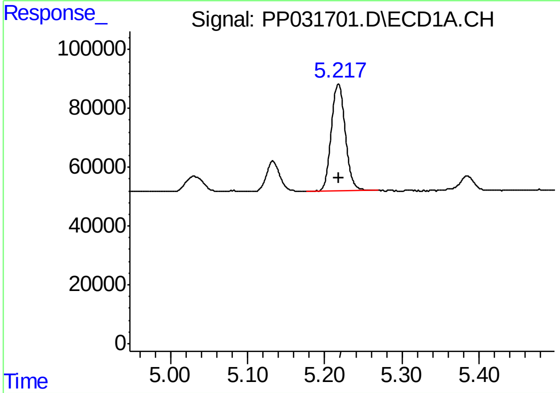
#10 AR-1221-3

R.T.: 5.217 min
Delta R.T.: 0.000 min
Response: 450322
Conc: 365.73 ng/ml



#10 AR-1221-3

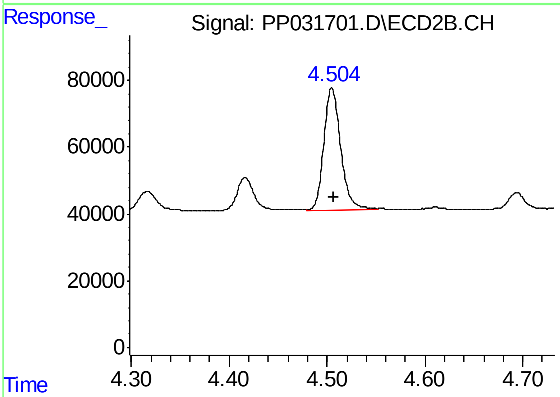
R.T.: 4.505 min
Delta R.T.: -0.002 min
Response: 441122
Conc: 365.71 ng/ml



#11 AR-1232-1

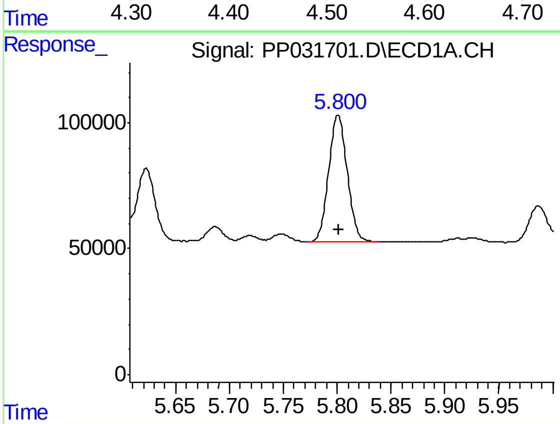
R.T.: 5.217 min
Delta R.T.: 0.000 min
Response: 450322
Conc: 431.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



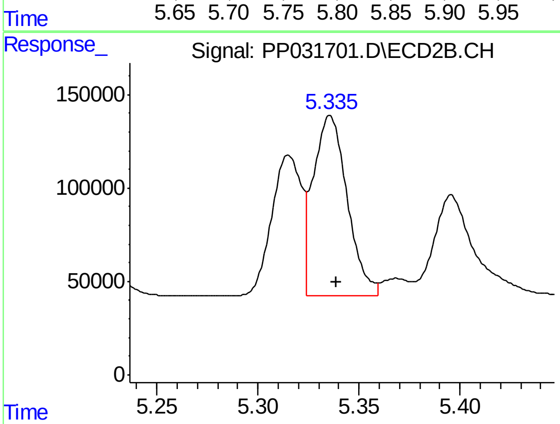
#11 AR-1232-1

R.T.: 4.505 min
Delta R.T.: -0.002 min
Response: 441122
Conc: 424.60 ng/ml



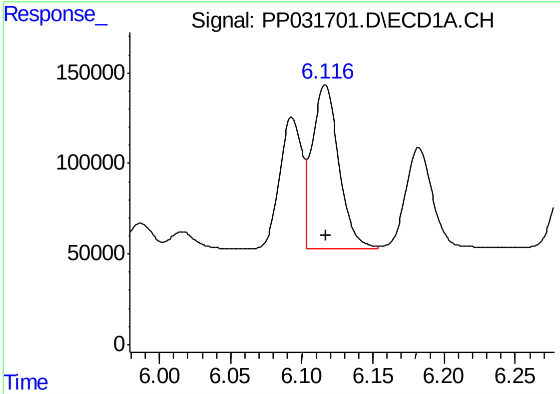
#12 AR-1232-2

R.T.: 5.801 min
Delta R.T.: 0.000 min
Response: 605958
Conc: 1117.45 ng/ml



#12 AR-1232-2

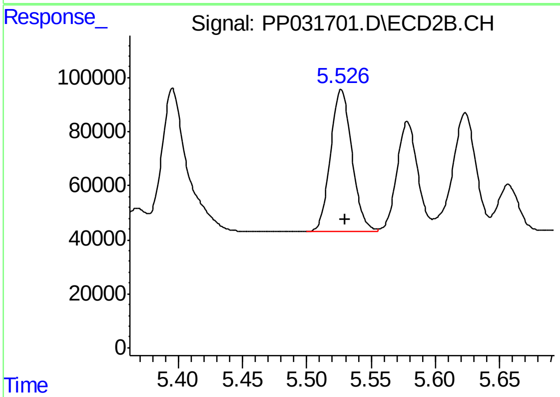
R.T.: 5.336 min
Delta R.T.: -0.003 min
Response: 1121671
Conc: 1151.82 ng/ml



#13 AR-1232-3

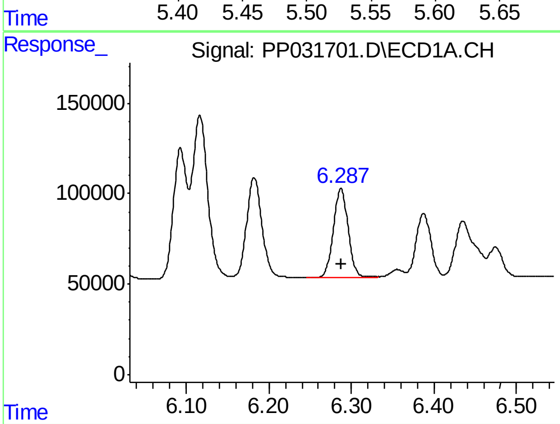
R.T.: 6.117 min
Delta R.T.: 0.000 min
Response: 1173421
Conc: 1161.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



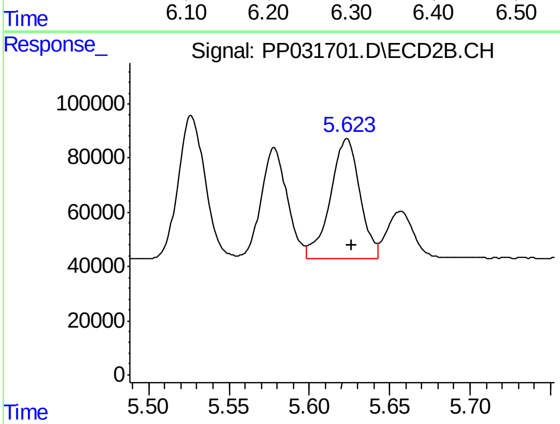
#13 AR-1232-3

R.T.: 5.527 min
Delta R.T.: -0.003 min
Response: 611230
Conc: 1159.00 ng/ml



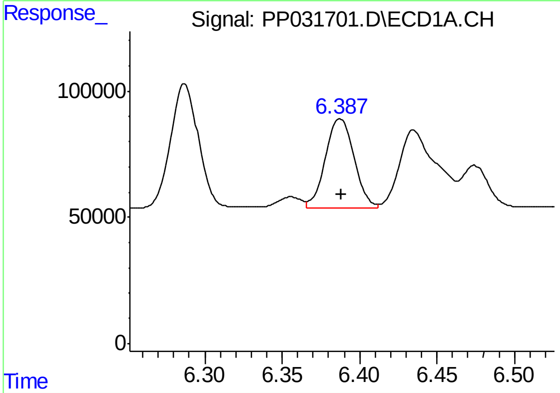
#14 AR-1232-4

R.T.: 6.287 min
Delta R.T.: -0.001 min
Response: 607530
Conc: 1145.79 ng/ml



#14 AR-1232-4

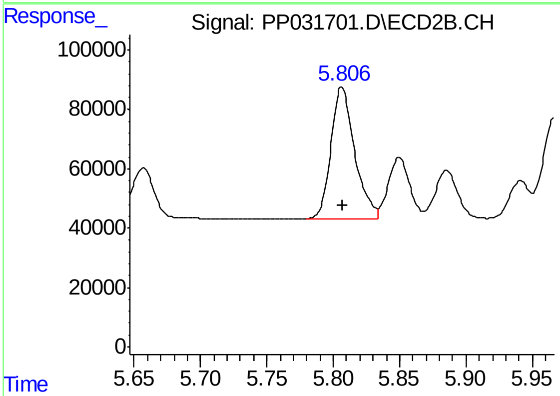
R.T.: 5.623 min
Delta R.T.: -0.003 min
Response: 561691
Conc: 1330.00 ng/ml



#15 AR-1232-5

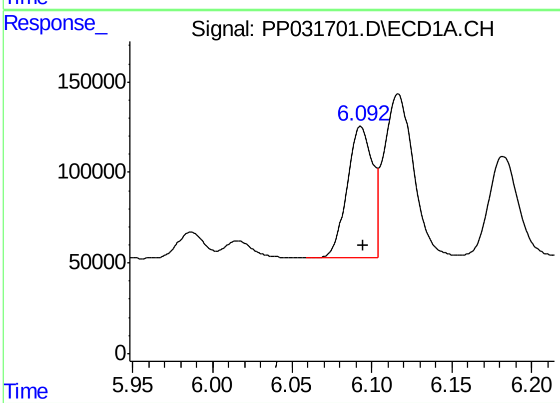
R.T.: 6.387 min
Delta R.T.: -0.001 min
Response: 439118
Conc: 1366.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



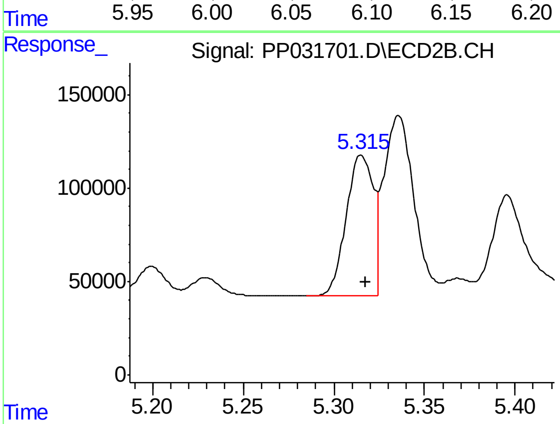
#15 AR-1232-5

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 550760
Conc: 1900.57 ng/ml



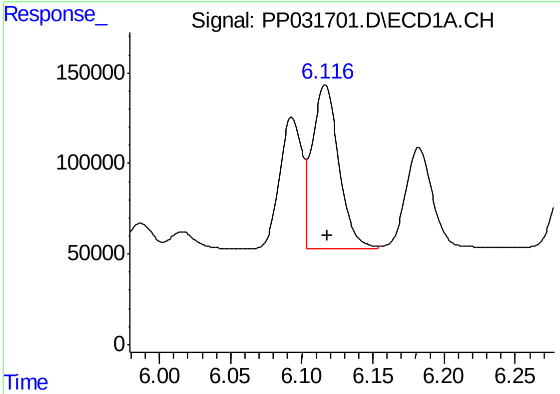
#16 AR-1242-1

R.T.: 6.093 min
Delta R.T.: -0.002 min
Response: 802642
Conc: 670.72 ng/ml



#16 AR-1242-1

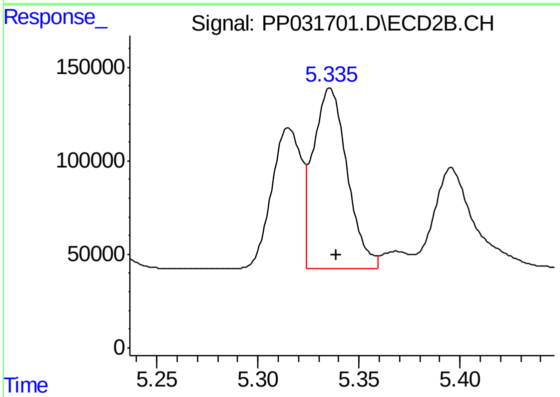
R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 775716
Conc: 679.49 ng/ml



#17 AR-1242-2

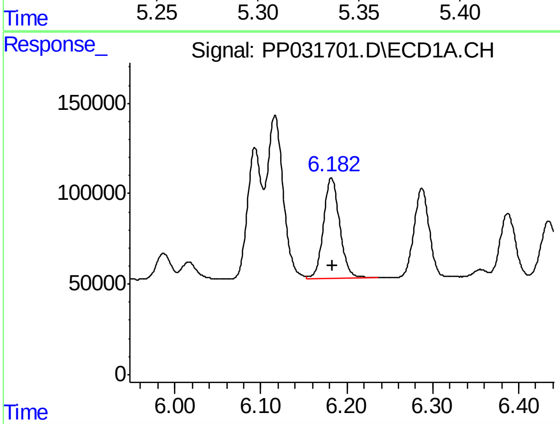
R.T.: 6.117 min
Delta R.T.: -0.001 min
Response: 1173421
Conc: 659.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



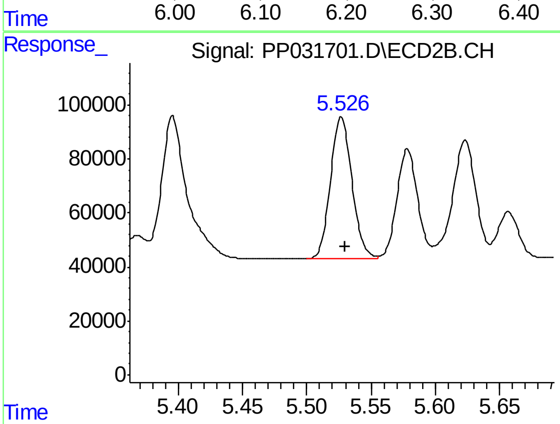
#17 AR-1242-2

R.T.: 5.336 min
Delta R.T.: -0.003 min
Response: 1121671
Conc: 666.97 ng/ml



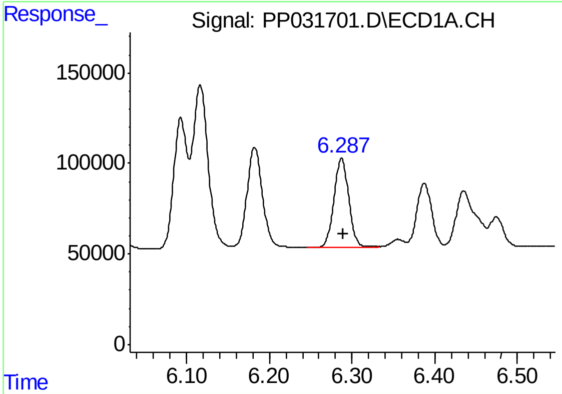
#18 AR-1242-3

R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 723965
Conc: 650.21 ng/ml



#18 AR-1242-3

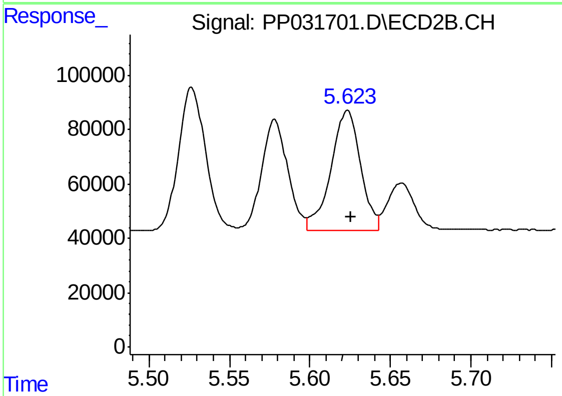
R.T.: 5.527 min
Delta R.T.: -0.004 min
Response: 611230
Conc: 669.38 ng/ml



#19 AR-1242-4

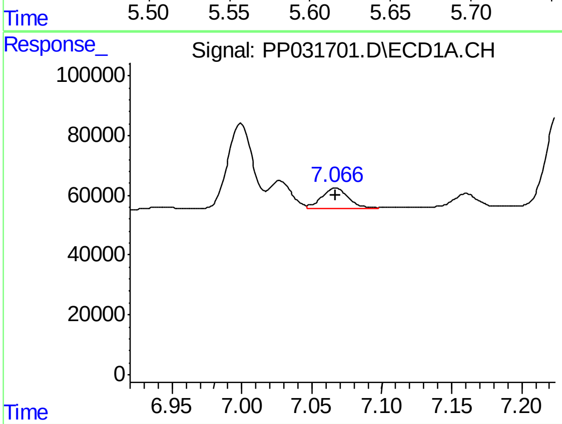
R.T.: 6.287 min
Delta R.T.: -0.002 min
Response: 607530
Conc: 657.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



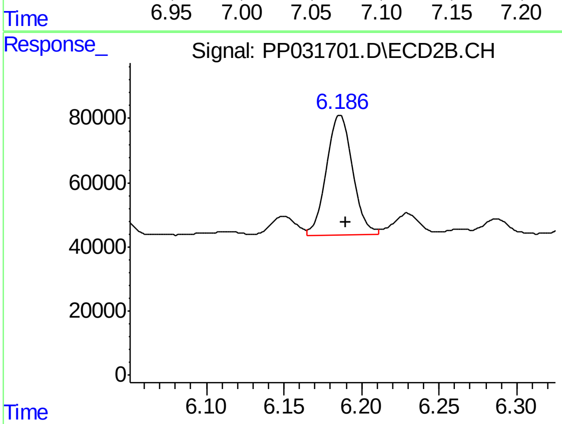
#19 AR-1242-4

R.T.: 5.623 min
Delta R.T.: -0.003 min
Response: 561691
Conc: 668.67 ng/ml



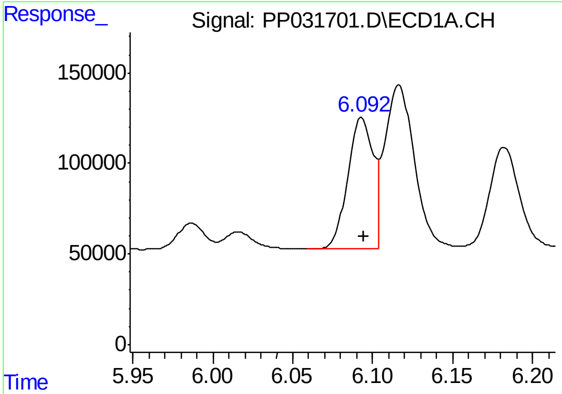
#20 AR-1242-5

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 87536
Conc: 95.55 ng/ml



#20 AR-1242-5

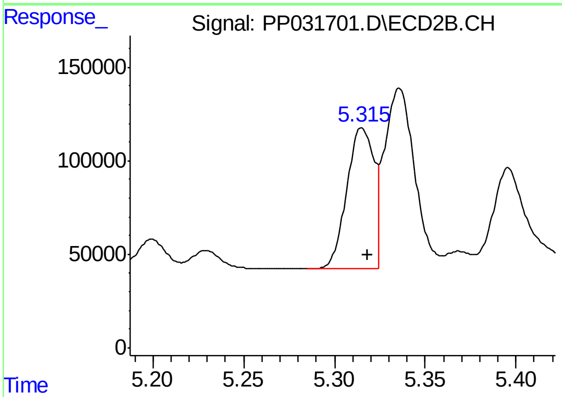
R.T.: 6.186 min
Delta R.T.: -0.004 min
Response: 425710
Conc: 412.62 ng/ml



#21 AR-1248-1

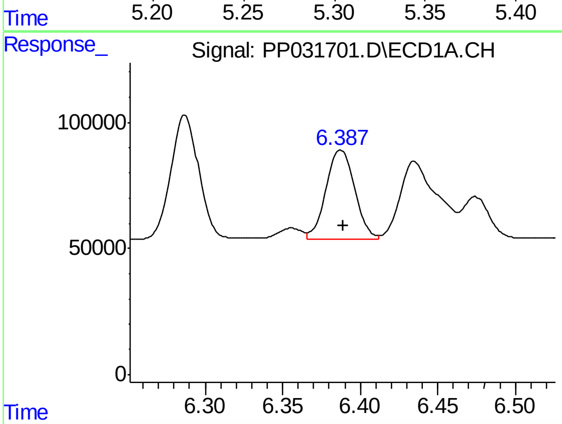
R.T.: 6.093 min
Delta R.T.: -0.001 min
Response: 802642
Conc: 869.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



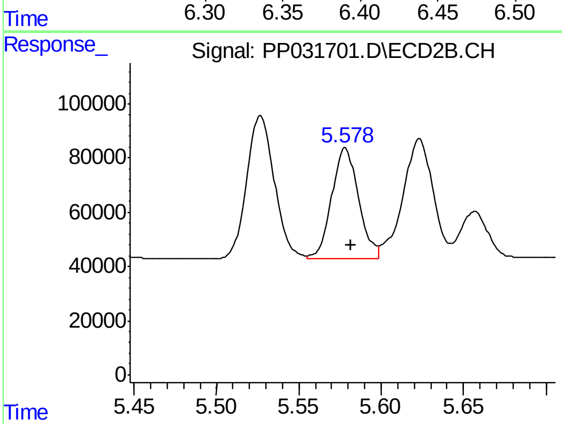
#21 AR-1248-1

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 775716
Conc: 900.62 ng/ml



#22 AR-1248-2

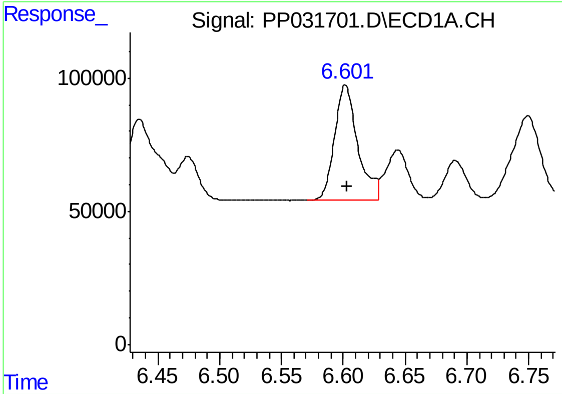
R.T.: 6.387 min
Delta R.T.: -0.002 min
Response: 439118
Conc: 371.23 ng/ml



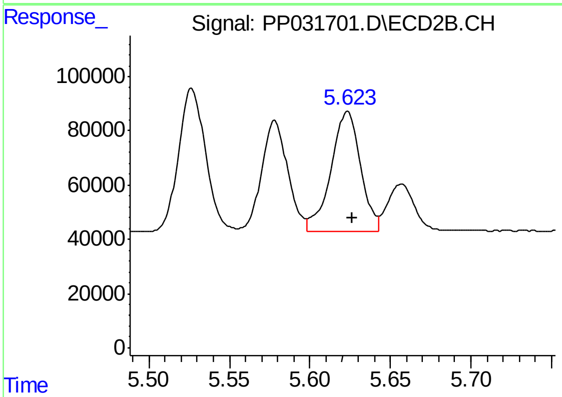
#22 AR-1248-2

R.T.: 5.578 min
Delta R.T.: -0.003 min
Response: 459398
Conc: 384.75 ng/ml

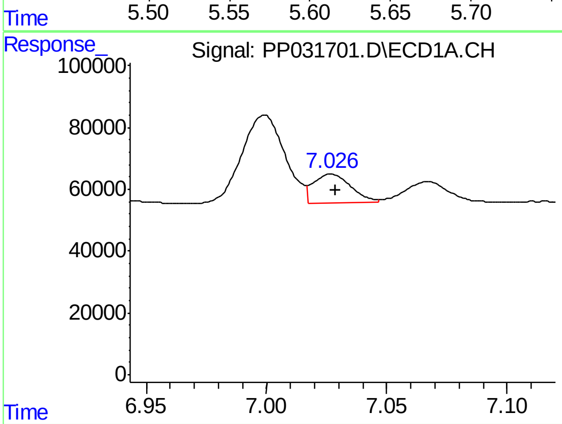
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



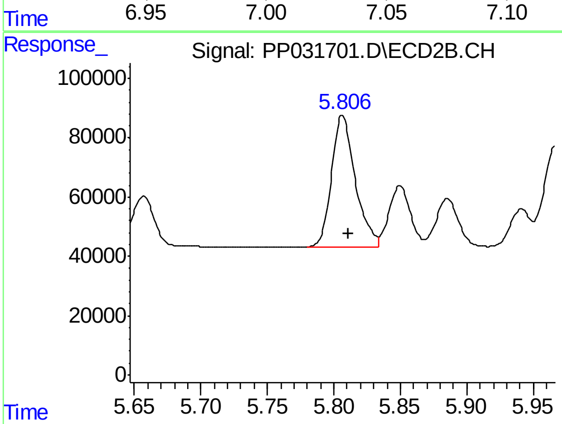

```
#23  AR-1248-3

      R.T.:    6.602 min
Delta R.T.:   -0.001 min
  Response:    560469
      Conc: 383.11 ng/ml
```



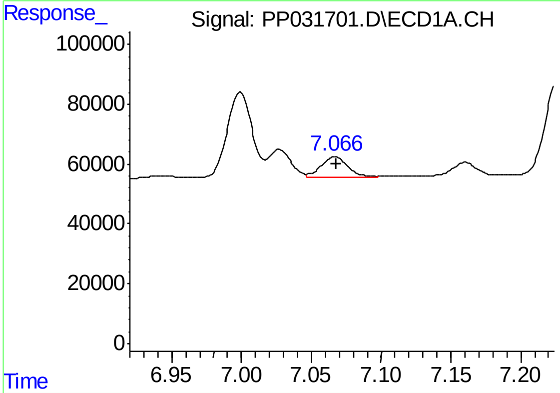

```
#23  AR-1248-3

      R.T.:    5.623 min
Delta R.T.:   -0.003 min
  Response:    561691
      Conc: 443.77 ng/ml
```




```
#24  AR-1248-4

      R.T.:    7.027 min
Delta R.T.:   -0.002 min
  Response:    102514
      Conc:  65.37 ng/ml
```



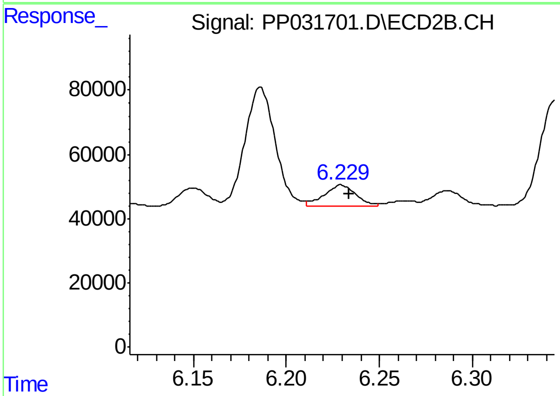

```
#24  AR-1248-4

      R.T.:    5.806 min
Delta R.T.:   -0.004 min
  Response:    550760
      Conc: 359.49 ng/ml
```



#25 AR-1248-5

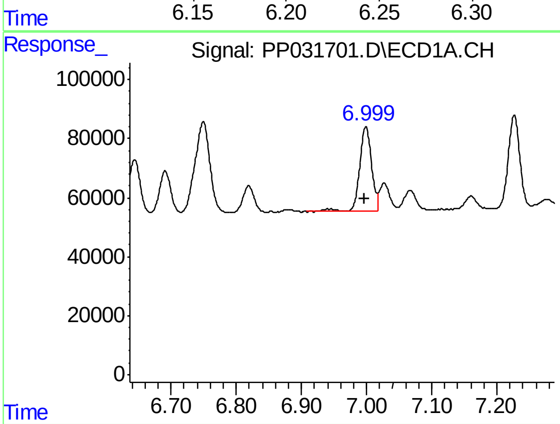
R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 87536
Conc: 55.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



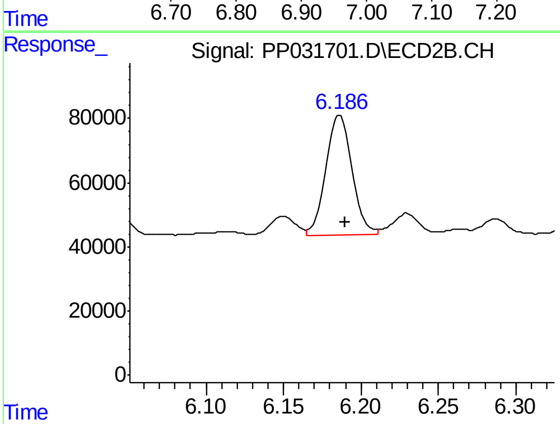
#25 AR-1248-5

R.T.: 6.230 min
Delta R.T.: -0.004 min
Response: 81119
Conc: 55.60 ng/ml



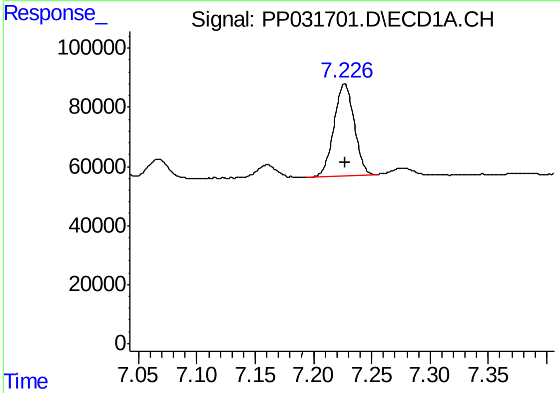
#26 AR-1254-1

R.T.: 6.999 min
Delta R.T.: 0.002 min
Response: 363434
Conc: 238.50 ng/ml



#26 AR-1254-1

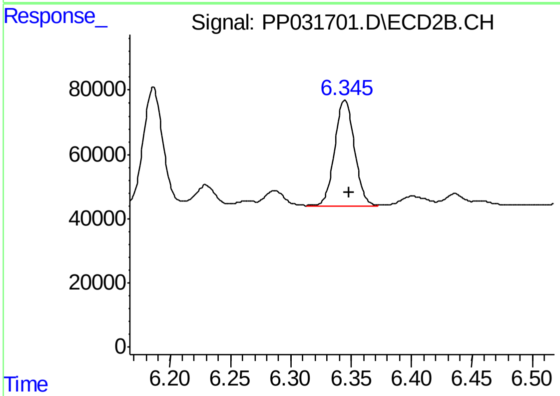
R.T.: 6.186 min
Delta R.T.: -0.004 min
Response: 425710
Conc: 196.80 ng/ml



#27 AR-1254-2

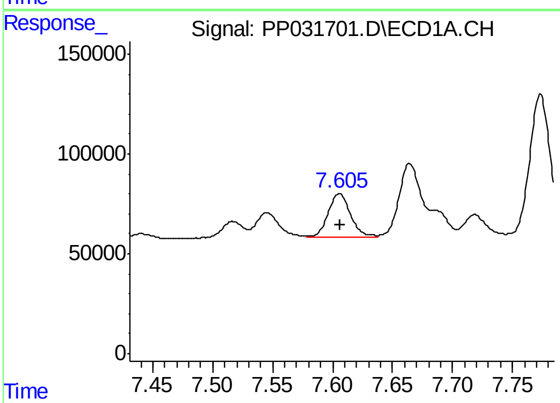
R.T.: 7.227 min
Delta R.T.: 0.000 min
Response: 374931
Conc: 161.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



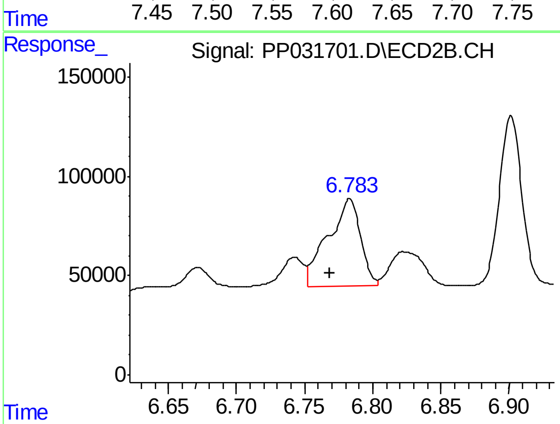
#27 AR-1254-2

R.T.: 6.345 min
Delta R.T.: -0.004 min
Response: 378175
Conc: 202.99 ng/ml



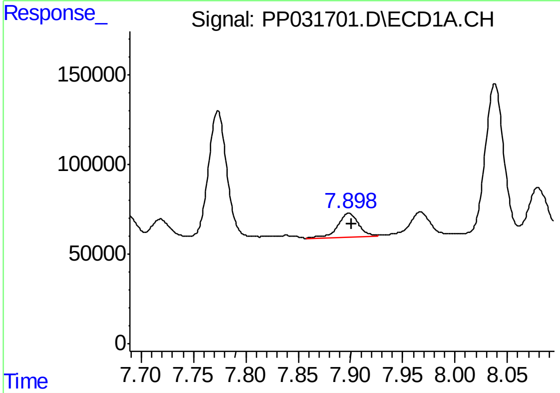
#28 AR-1254-3

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 288774
Conc: 114.31 ng/ml



#28 AR-1254-3

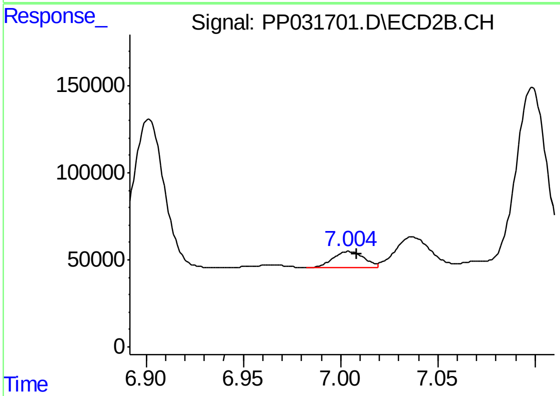
R.T.: 6.783 min
Delta R.T.: 0.014 min
Response: 739219
Conc: 239.13 ng/ml



#29 AR-1254-4

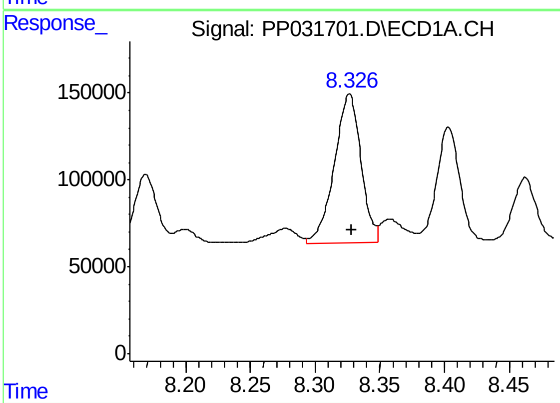
R.T.: 7.898 min
Delta R.T.: -0.003 min
Response: 186779
Conc: 110.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



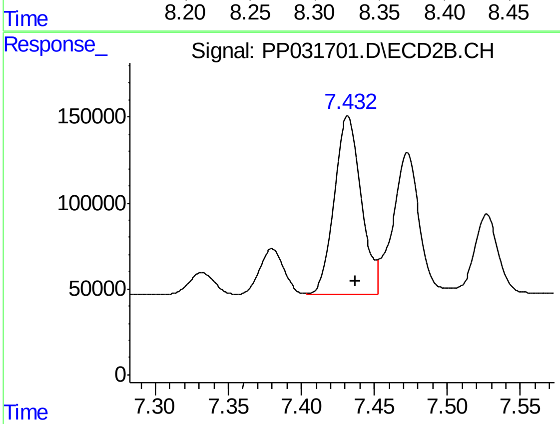
#29 AR-1254-4

R.T.: 7.004 min
Delta R.T.: -0.004 min
Response: 100779
Conc: 59.32 ng/ml



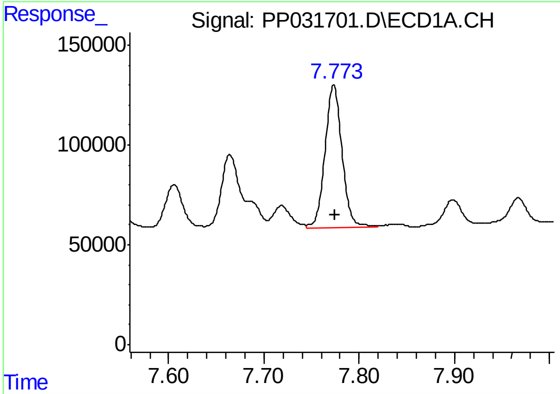
#30 AR-1254-5

R.T.: 8.326 min
Delta R.T.: -0.001 min
Response: 1219445
Conc: 652.31 ng/ml



#30 AR-1254-5

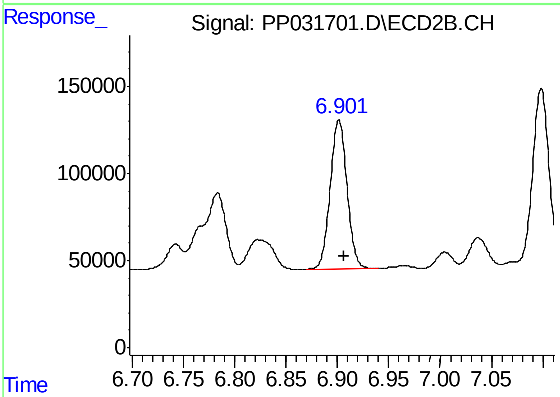
R.T.: 7.432 min
Delta R.T.: -0.005 min
Response: 1319247
Conc: 488.69 ng/ml



#31 AR-1260-1

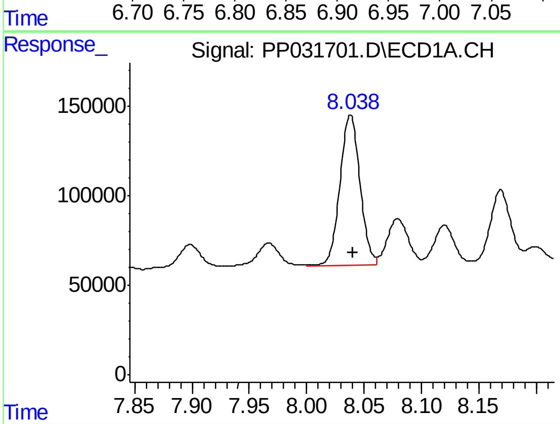
R.T.: 7.773 min
Delta R.T.: -0.002 min
Response: 888411
Conc: 507.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



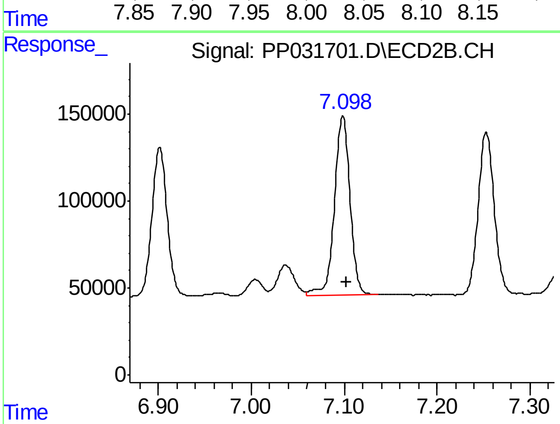
#31 AR-1260-1

R.T.: 6.901 min
Delta R.T.: -0.005 min
Response: 978539
Conc: 495.19 ng/ml



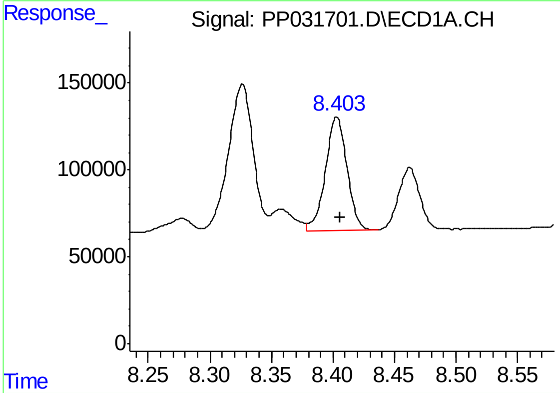
#32 AR-1260-2

R.T.: 8.038 min
Delta R.T.: -0.002 min
Response: 1044562
Conc: 508.37 ng/ml



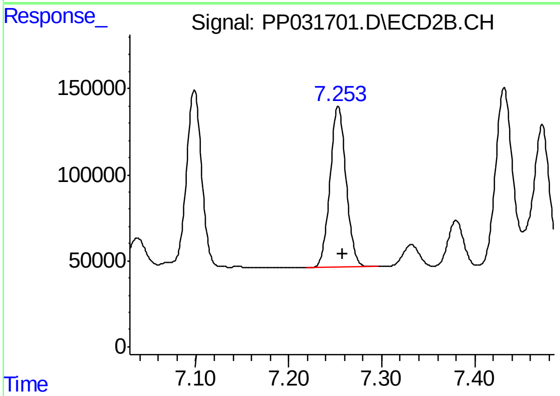
#32 AR-1260-2

R.T.: 7.099 min
Delta R.T.: -0.005 min
Response: 1190679
Conc: 488.94 ng/ml

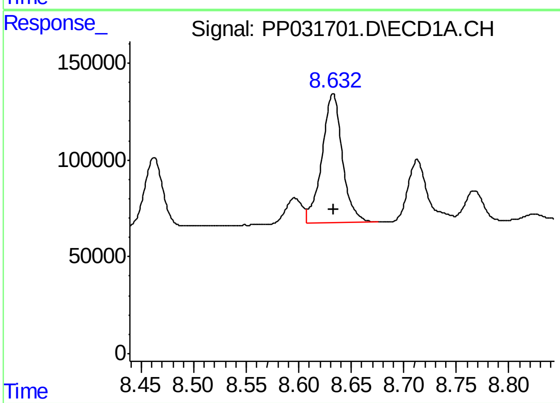



```
#33  AR-1260-3

       R.T.:    8.403 min
Delta R.T.:   -0.003 min
  Response:    811615
      Conc: 497.61 ng/ml
```

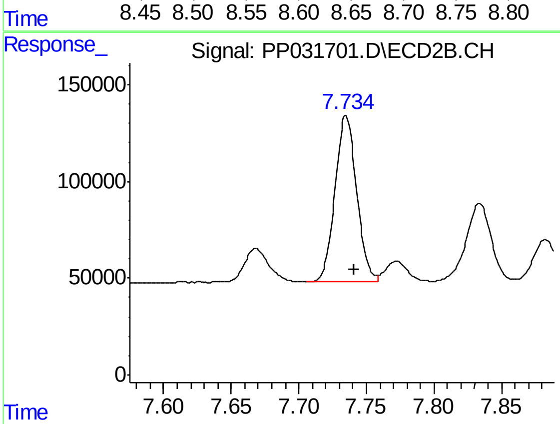
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



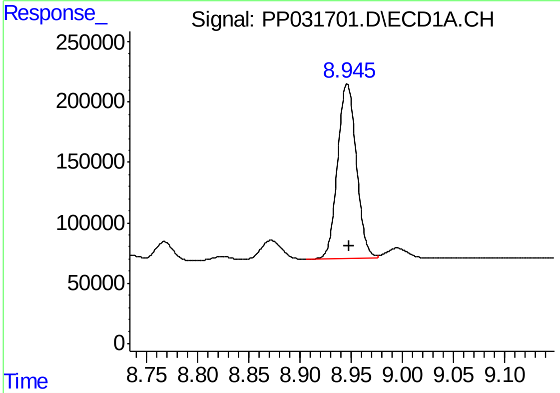

```
#33  AR-1260-3

       R.T.:    7.253 min
Delta R.T.:   -0.005 min
  Response:   1128282
      Conc: 494.07 ng/ml
```




```
#34  AR-1260-4

       R.T.:    8.633 min
Delta R.T.:   -0.001 min
  Response:    909102
      Conc: 493.72 ng/ml
```



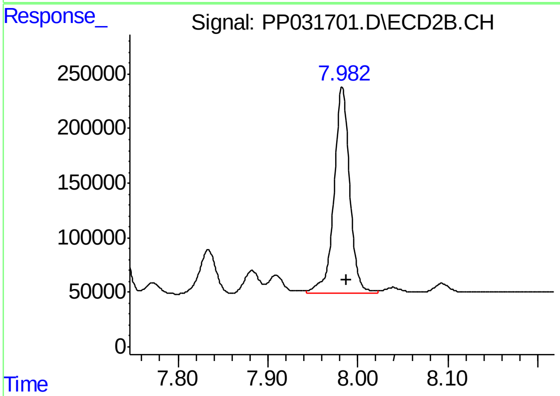

```
#34  AR-1260-4

       R.T.:    7.735 min
Delta R.T.:   -0.006 min
  Response:    959038
      Conc: 504.73 ng/ml
```



#35 AR-1260-5

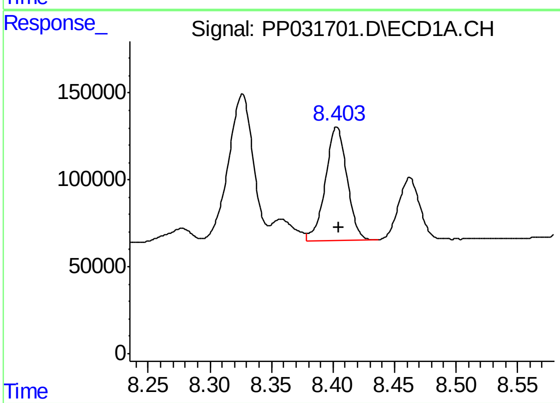
R.T.: 8.946 min
Delta R.T.: -0.002 min
Response: 1855364
Conc: 503.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



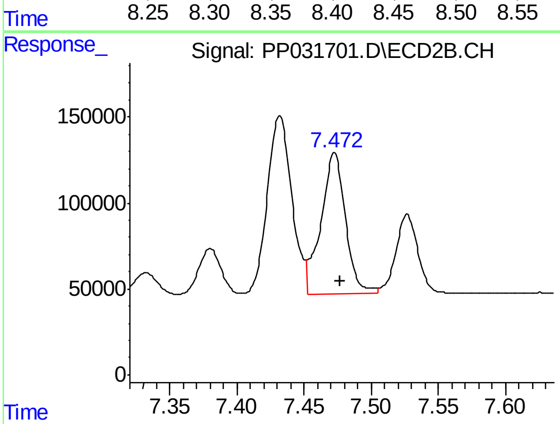
#35 AR-1260-5

R.T.: 7.983 min
Delta R.T.: -0.005 min
Response: 2296418
Conc: 506.05 ng/ml



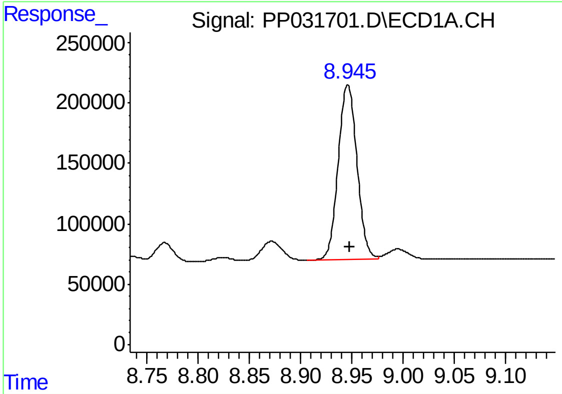
#36 AR-1262-1

R.T.: 8.403 min
Delta R.T.: -0.002 min
Response: 811615
Conc: 357.22 ng/ml



#36 AR-1262-1

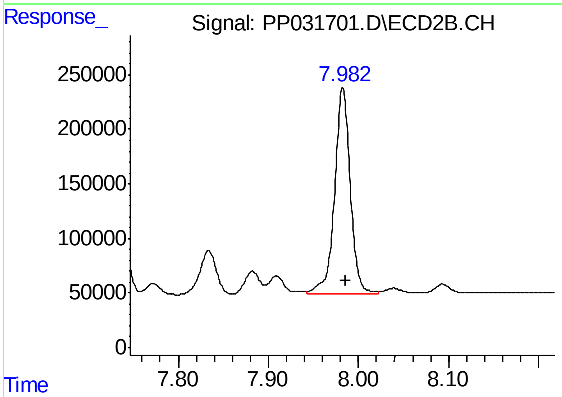
R.T.: 7.473 min
Delta R.T.: -0.005 min
Response: 1046882
Conc: 376.68 ng/ml



#37 AR-1262-2

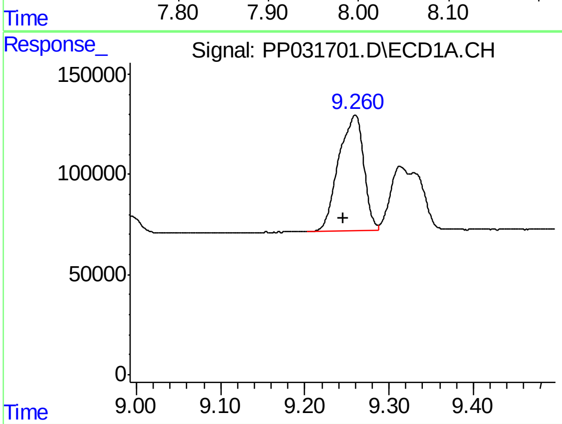
R.T.: 8.946 min
Delta R.T.: -0.002 min
Response: 1855364
Conc: 466.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



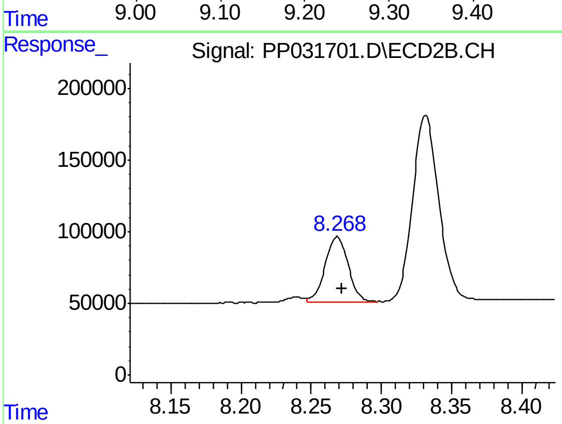
#37 AR-1262-2

R.T.: 7.983 min
Delta R.T.: -0.004 min
Response: 2296418
Conc: 472.77 ng/ml



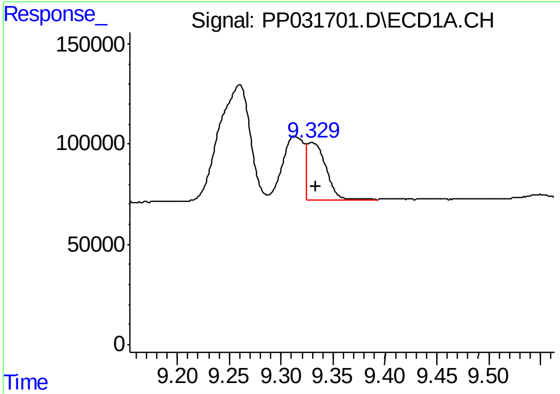
#38 AR-1262-3

R.T.: 9.260 min
Delta R.T.: 0.013 min
Response: 1209791
Conc: 434.98 ng/ml



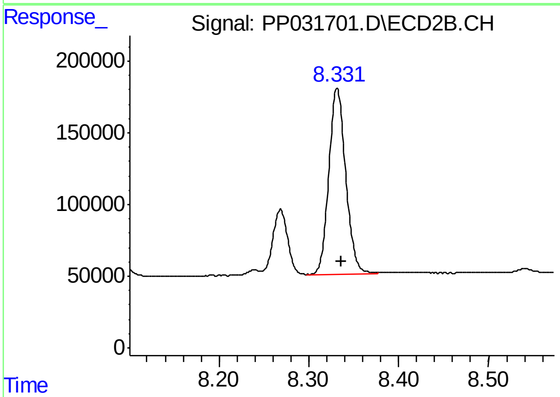
#38 AR-1262-3

R.T.: 8.269 min
Delta R.T.: -0.004 min
Response: 527279
Conc: 268.08 ng/ml

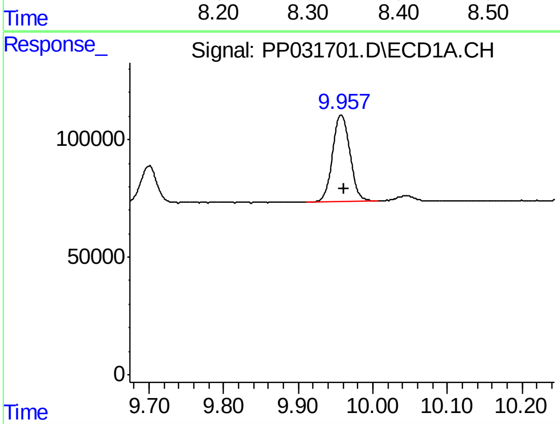



```
#39  AR-1262-4

      R.T.:    9.330 min
Delta R.T.:   -0.004 min
  Response:    361277
      Conc: 164.81 ng/ml
```

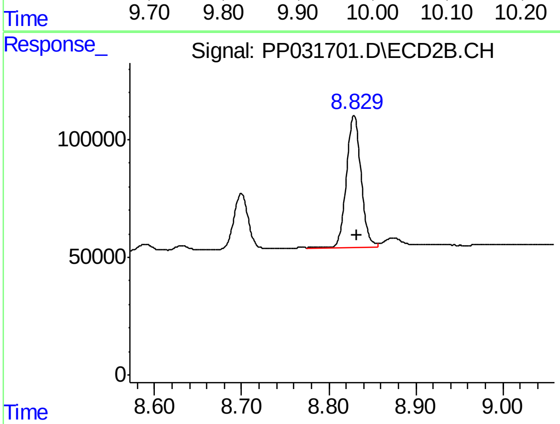
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



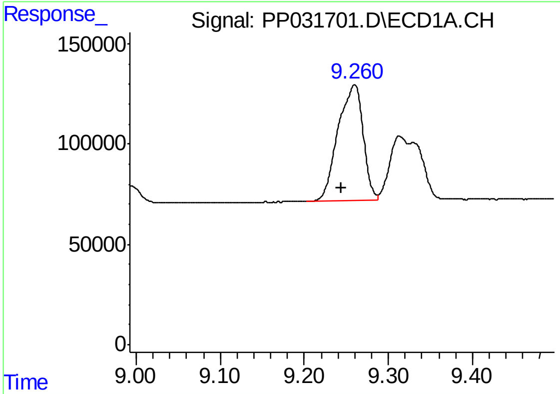

```
#39  AR-1262-4

      R.T.:    8.332 min
Delta R.T.:   -0.004 min
  Response:   1703589
      Conc: 469.93 ng/ml
```




```
#40  AR-1262-5

      R.T.:    9.958 min
Delta R.T.:   -0.003 min
  Response:    591195
      Conc: 404.92 ng/ml
```



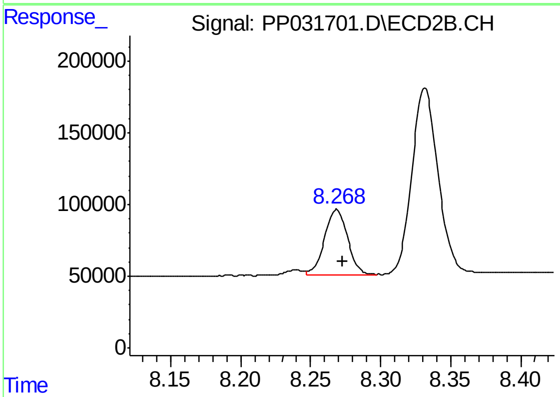

```
#40  AR-1262-5

      R.T.:    8.829 min
Delta R.T.:   -0.004 min
  Response:    654096
      Conc: 402.97 ng/ml
```



#41 AR-1268-1

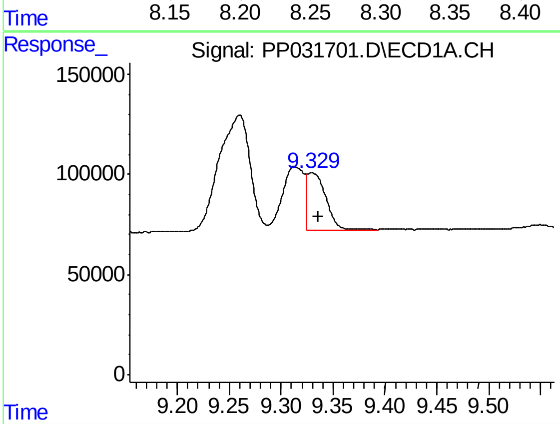
R.T.: 9.260 min
Delta R.T.: 0.016 min
Response: 1209791
Conc: 251.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



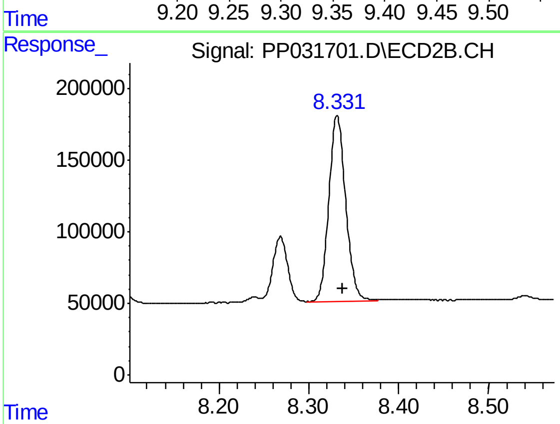
#41 AR-1268-1

R.T.: 8.269 min
Delta R.T.: -0.005 min
Response: 527279
Conc: 95.30 ng/ml



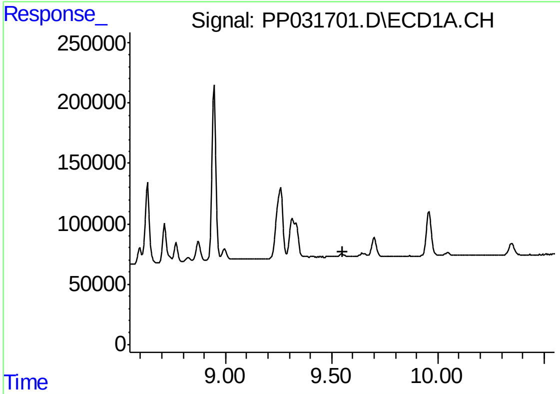
#42 AR-1268-2

R.T.: 9.330 min
Delta R.T.: -0.006 min
Response: 361277
Conc: 77.61 ng/ml



#42 AR-1268-2

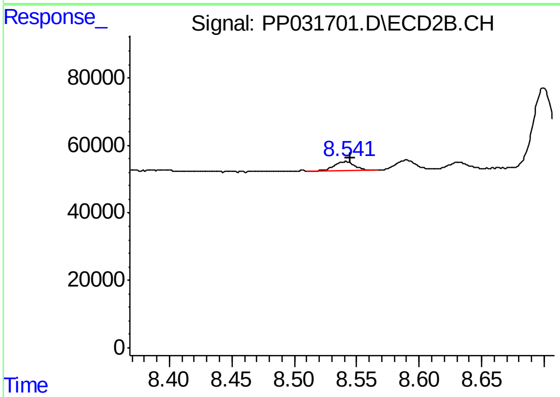
R.T.: 8.332 min
Delta R.T.: -0.006 min
Response: 1703589
Conc: 315.09 ng/ml



#43 AR-1268-3

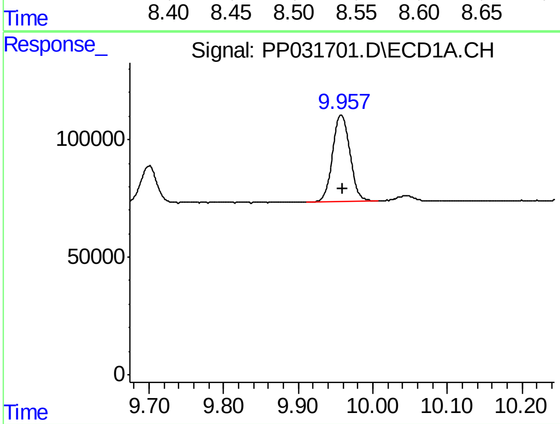
R.T.: 0.000 min
Exp R.T. : 9.550 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



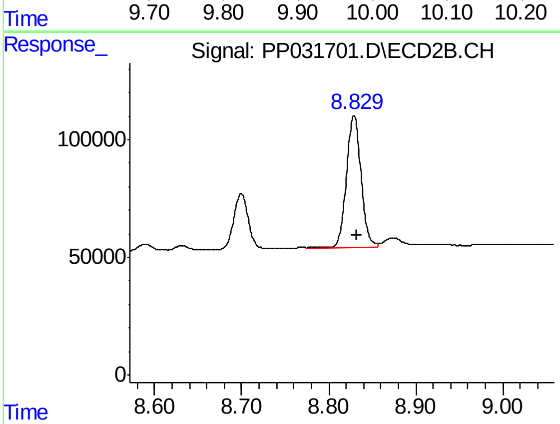
#43 AR-1268-3

R.T.: 8.541 min
Delta R.T.: -0.004 min
Response: 29850
Conc: 6.51 ng/ml



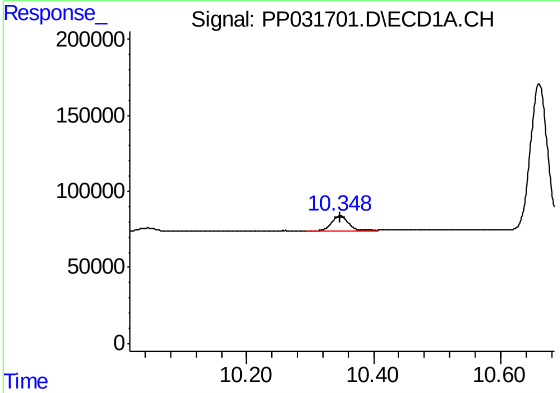
#44 AR-1268-4

R.T.: 9.958 min
Delta R.T.: -0.002 min
Response: 591195
Conc: 380.61 ng/ml



#44 AR-1268-4

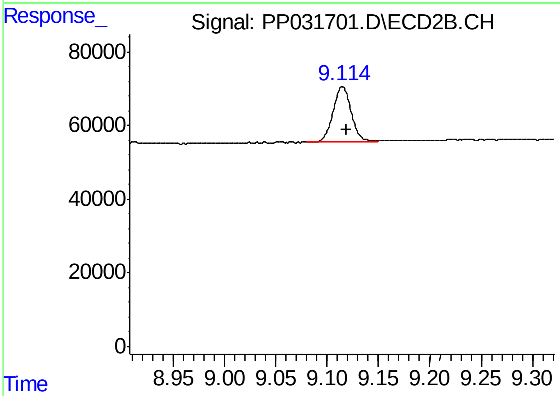
R.T.: 8.829 min
Delta R.T.: -0.004 min
Response: 654096
Conc: 358.86 ng/ml



#45 AR-1268-5

R.T.: 10.348 min
Delta R.T.: 0.000 min
Response: 170760
Conc: 14.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 9.115 min
Delta R.T.: -0.005 min
Response: 186444
Conc: 13.46 ng/ml