

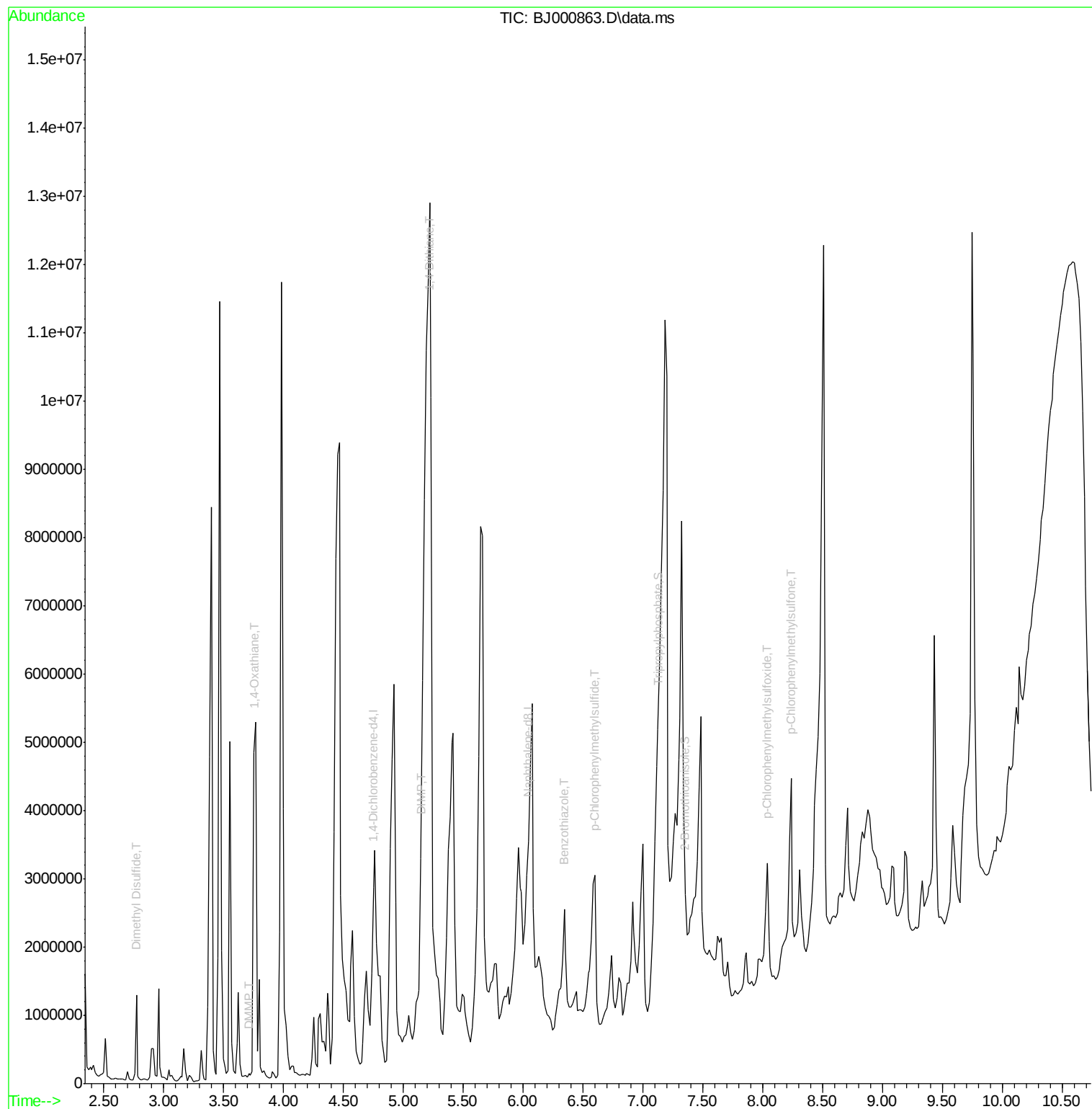
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000863.D
Acq On : 28 Apr 2012 5:56
Operator : HLM
Sample : D2367-20MSD
Misc : WATER BNA_J HLM
ALS Vial : 42 Sample Multiplier: 1

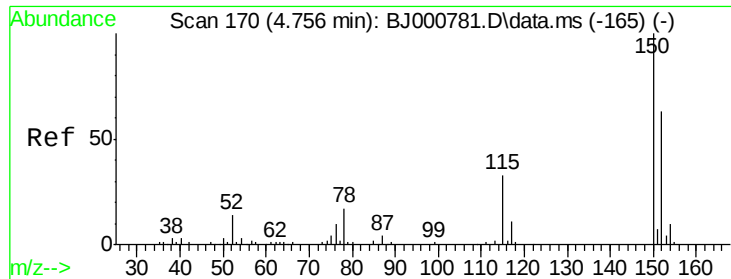
Instrument :
BNA_J
ClientSampleId :
OFD-CWP16-042512MSD

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:50 AM

Quant Time: May 03 01:47:07 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Mon Apr 30 10:31:38 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.750 min Scan# 17

Delta R.T. -0.003 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MSD

Tgt Ion:152 Resp: 233626

Ion Ratio Lower Upper

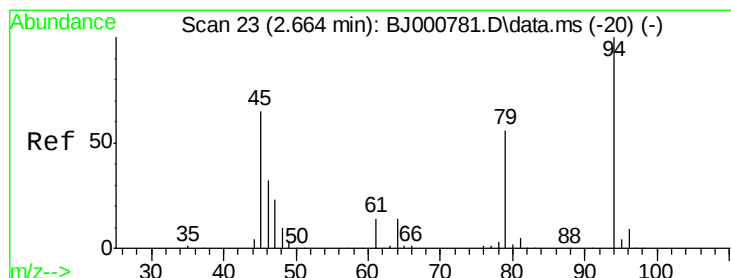
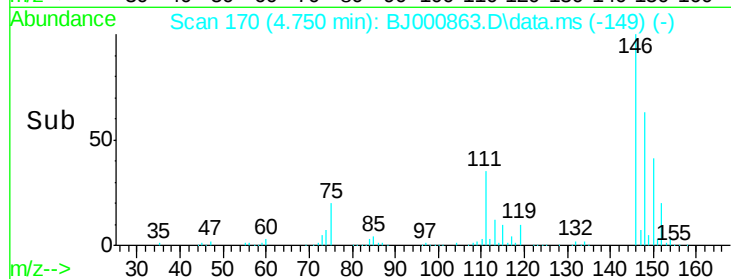
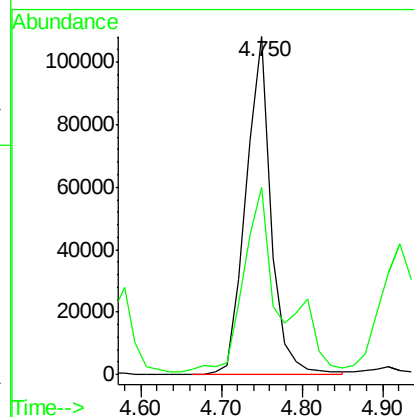
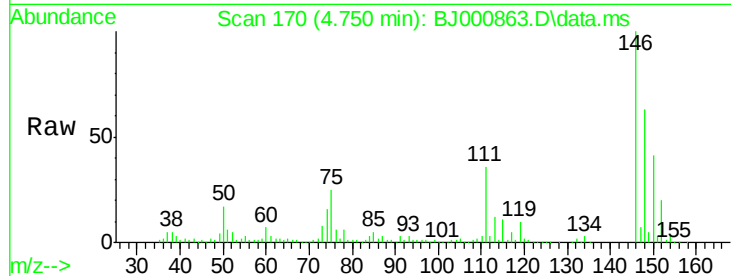
152 100

115 55.3 25.8 65.8

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 5.14 ug/mL

RT: 2.772 min Scan# 31

Delta R.T. 0.111 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

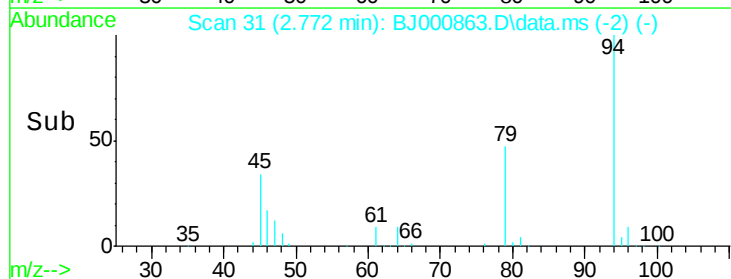
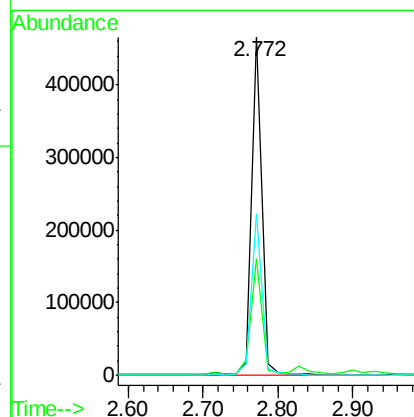
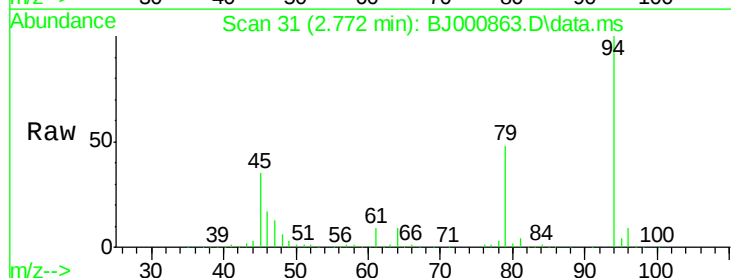
Tgt Ion: 94 Resp: 442332

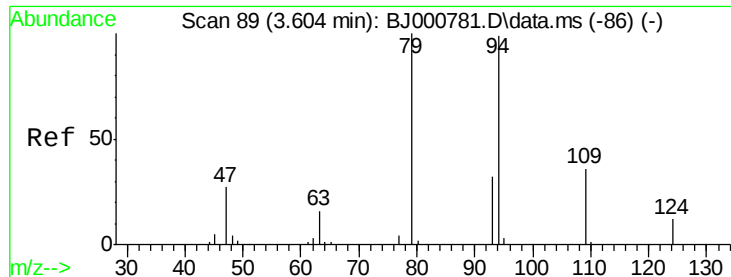
Ion Ratio Lower Upper

94 100

45 34.5 7.2 47.2

79 47.9 21.6 61.6





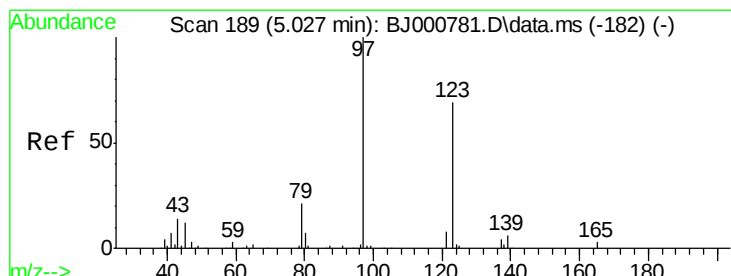
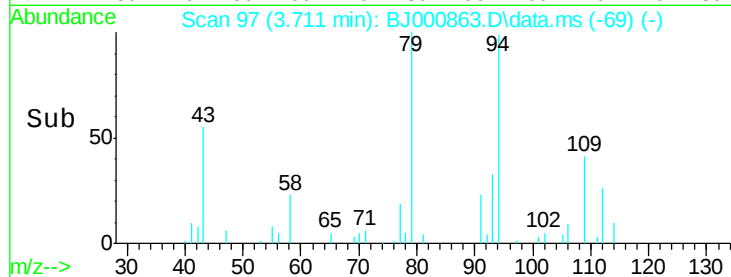
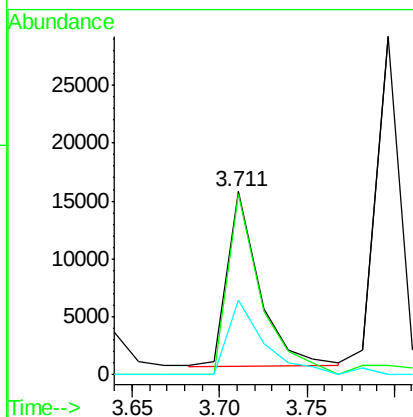
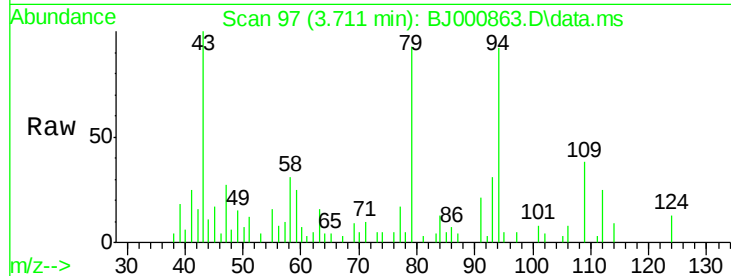
#3
DMMP
Concen: 0.35 ug/mL
RT: 3.711 min Scan# 97
Delta R.T. 0.097 min
Lab File: BJ000863.D
Acq: 28 Apr 2012 5:56

Instrument :
BNA_J
ClientSampleId :
OFD-CWP16-042512MSD

Tgt Ion:	79	Resp:	19286
Ion Ratio	Lower	Upper	
79	100		
94	98.6	80.8	120.8
109	40.5	17.5	57.5

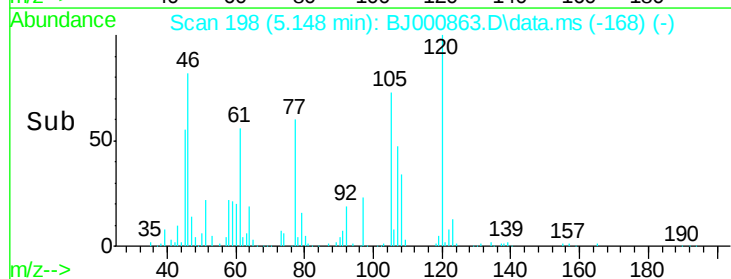
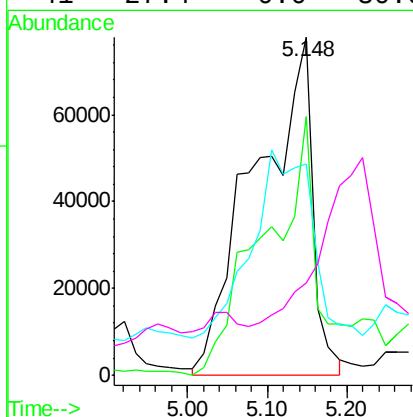
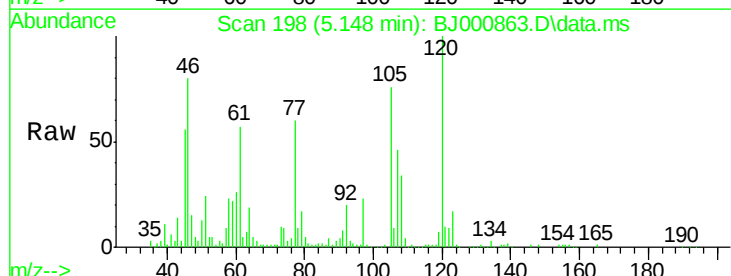
Manual Integrations
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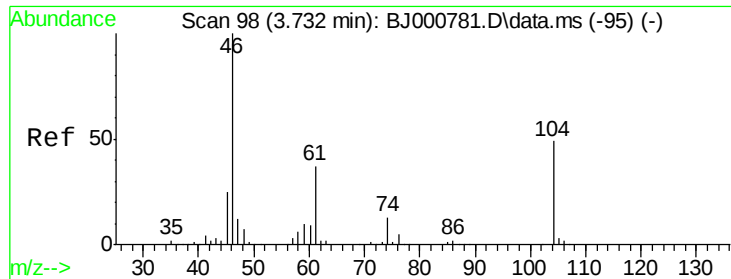
AHPatel
5/3/2012 1:42:50 AM



#4
DIMP
Concen: 1.88 ug/mL m
RT: 5.148 min Scan# 198
Delta R.T. 0.125 min
Lab File: BJ000863.D
Acq: 28 Apr 2012 5:56

Tgt Ion:	97	Resp:	385646
Ion Ratio	Lower	Upper	
97	100		
123	76.4	39.1	79.1
43	62.6	0.9	40.9#
41	27.4	0.0	30.0





#5

1,4-Oxathiane

Concen: 32.08 ug/mL

RT: 3.754 min Scan# 10

Delta R.T. 0.026 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MSD

Tgt Ion: 46 Resp: 2658121

Ion Ratio Lower Upper

46 100

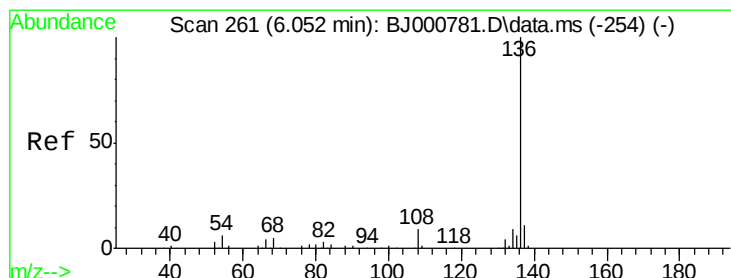
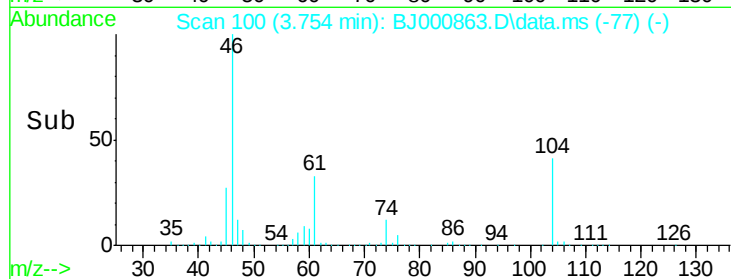
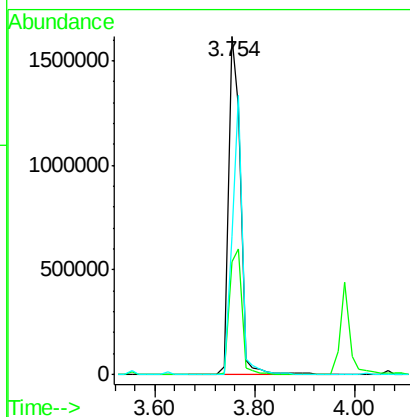
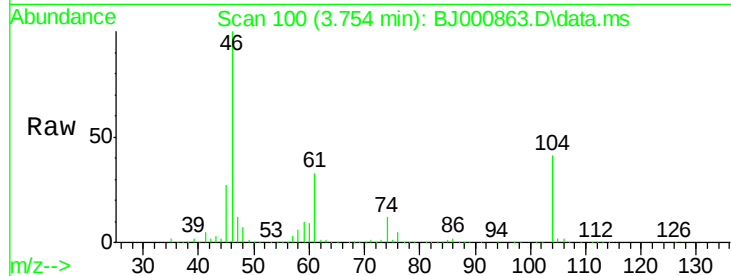
61 33.4 22.0 62.0

104 41.0 73.6 113.6#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.045 min Scan# 261

Delta R.T. -0.003 min

Lab File: BJ000863.D

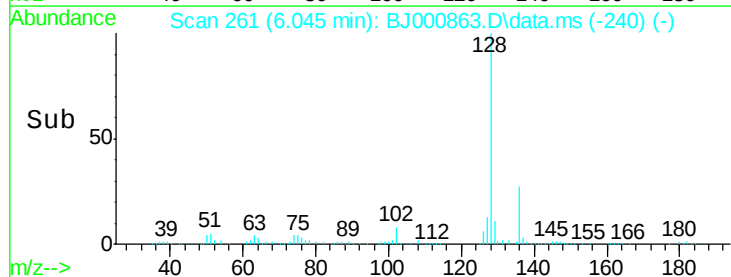
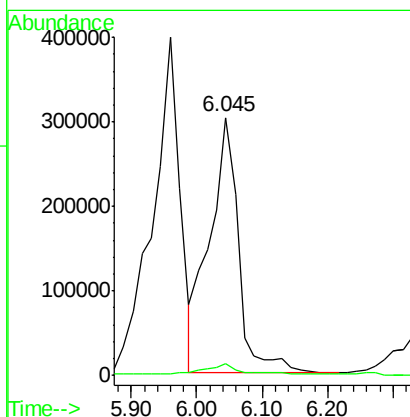
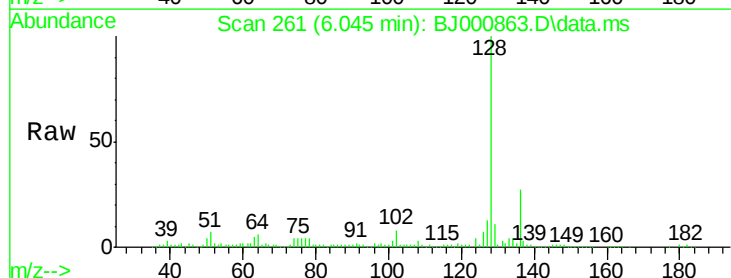
Acq: 28 Apr 2012 5:56

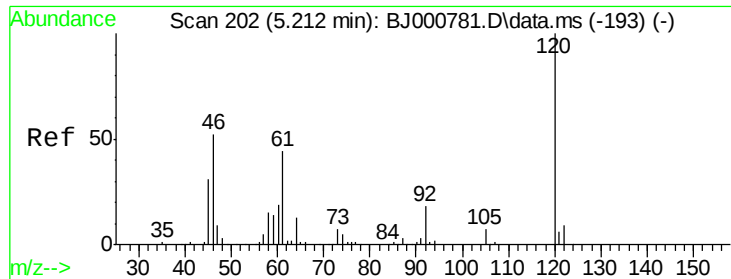
Tgt Ion: 136 Resp: 932715

Ion Ratio Lower Upper

136 100

68 4.7 0.0 23.1





#7

1,4-Dithiane

Concen: 120.60 ug/mL

RT: 5.219 min Scan# 20

Delta R.T. 0.026 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MSD

Tgt Ion: 46 Resp: 7430061

Ion Ratio Lower Upper

46 100

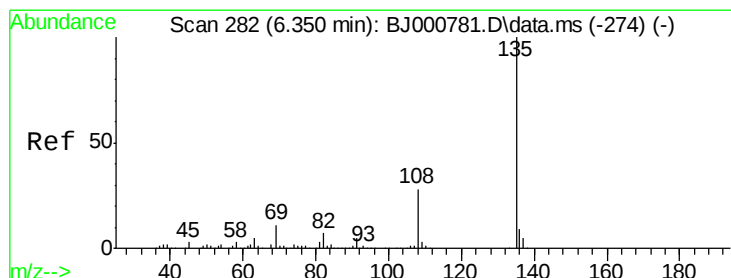
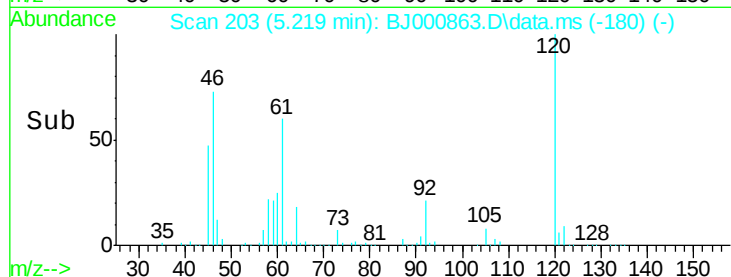
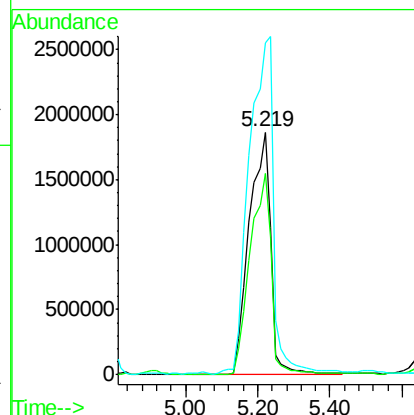
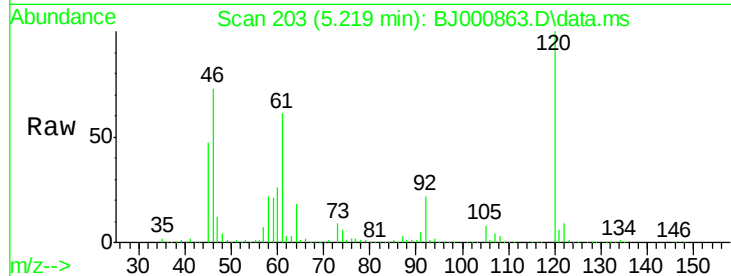
61 83.1 56.7 96.7

120 136.6 148.6 188.6#

Manual Integrations
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#9

Benzothiazole

Concen: 10.53 ug/mL

RT: 6.344 min Scan# 282

Delta R.T. -0.003 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

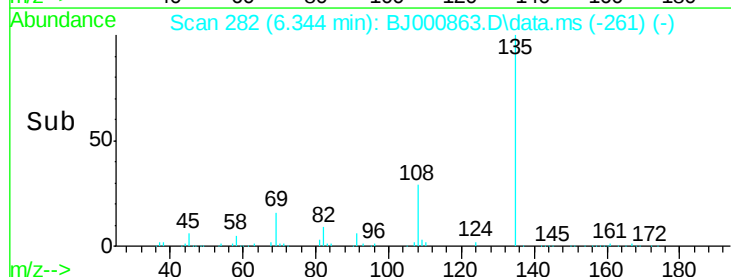
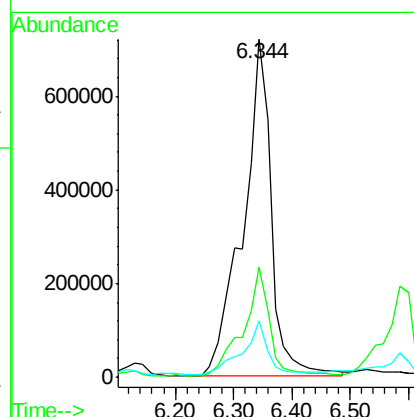
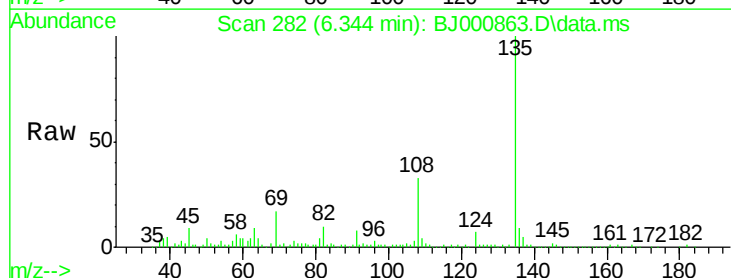
Tgt Ion: 135 Resp: 2445005

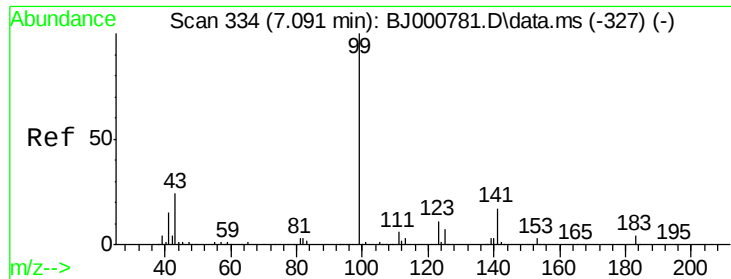
Ion Ratio Lower Upper

135 100

108 32.7 7.0 47.0

69 16.8 0.0 30.4





#10

Tripropylphosphate

Concen: 0.63 ug/mL

RT: 7.127 min Scan# 33

Delta R.T. 0.040 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MSD

Tgt Ion: 99 Resp: 199588

Ion Ratio Lower Upper

99 100

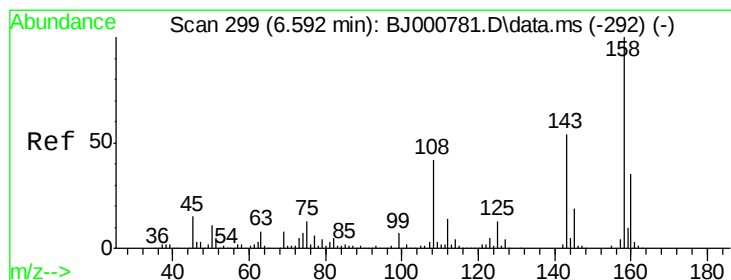
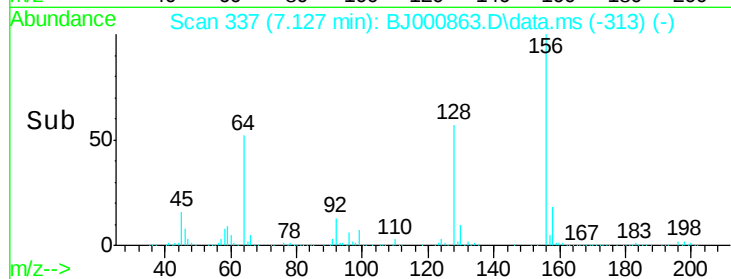
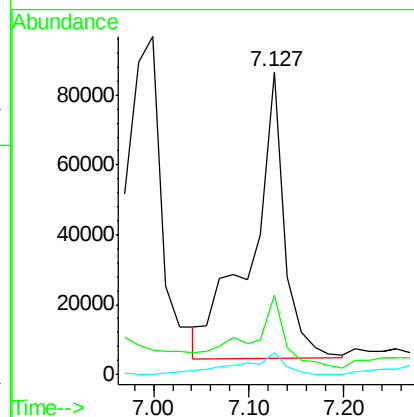
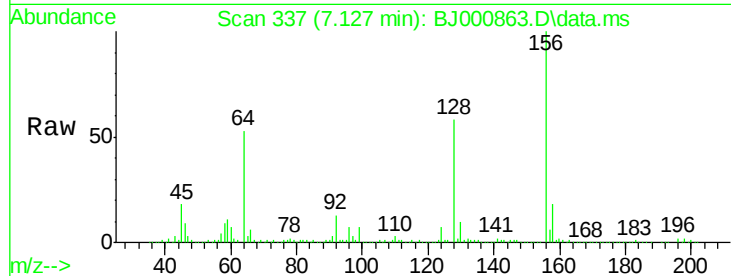
141 28.0 18.7 28.1

183 10.5 6.2 9.2#

Manual Integrations
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AHPatel

5/3/2012 1:42:50 AM



#11

p-Chlorophenylmethylsulfide

Concen: 10.15 ug/mL

RT: 6.600 min Scan# 300

Delta R.T. 0.011 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Tgt Ion: 158 Resp: 1629736

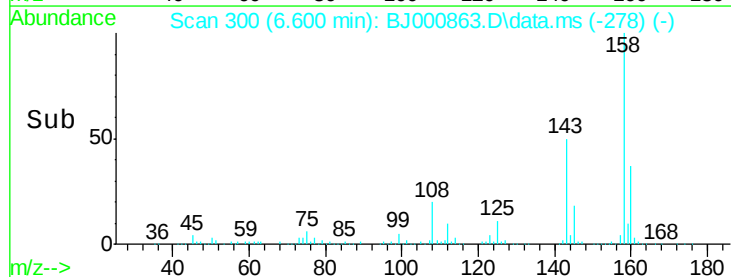
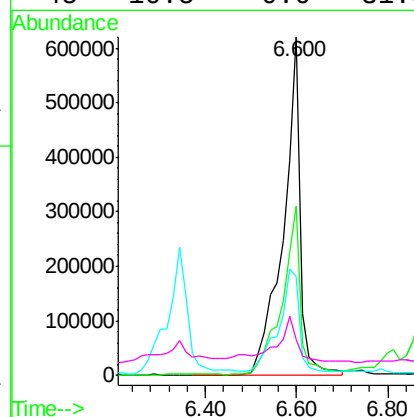
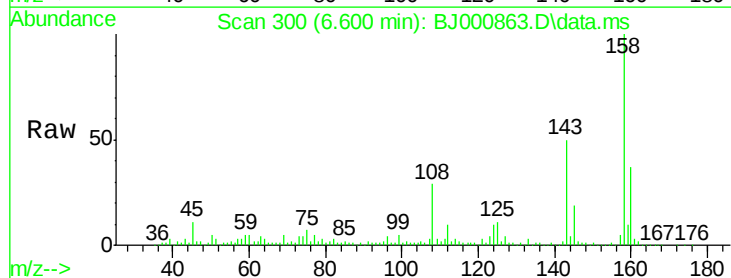
Ion Ratio Lower Upper

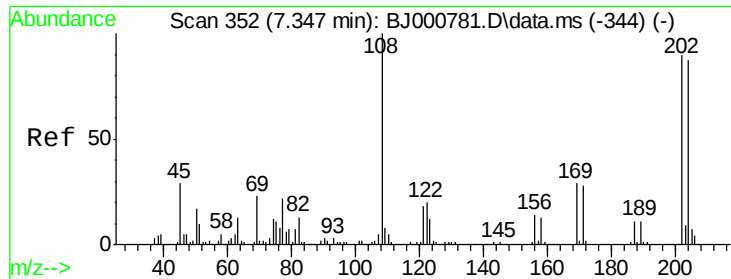
158 100

143 50.1 32.7 72.7

108 29.3 18.7 58.7

45 10.5 0.0 31.9





#12

2-Bromothioanisole

Concen: 4.55 ug/mL

RT: 7.354 min Scan# 351

Delta R.T. 0.011 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Instrument :

BNA_J

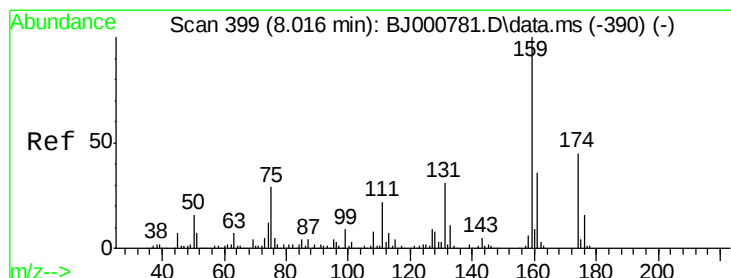
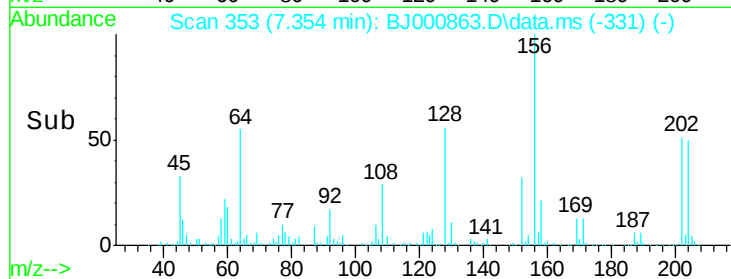
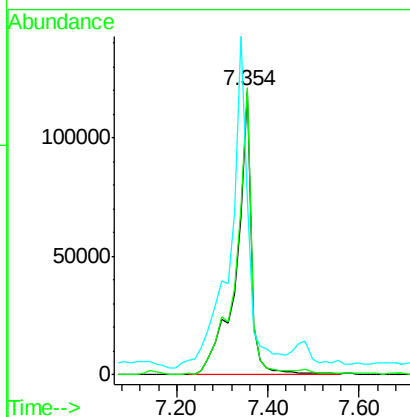
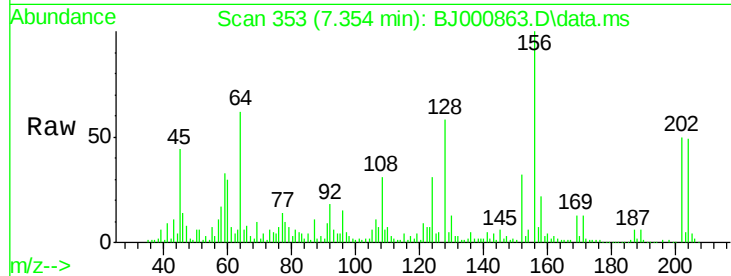
ClientSampleId :

OFD-CWP16-042512MSD

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	278440		
202	101.5	82.9	122.9	
108	62.0	70.0	110.0	

Manual Integrations
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5/3/2012 1:42:50 AM



#13

p-Chlorophenylmethylsulfoxide

Concen: 12.22 ug/mL

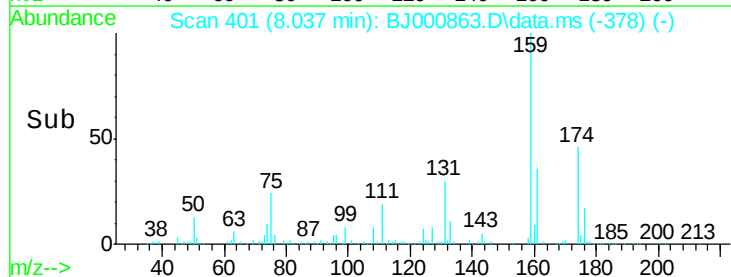
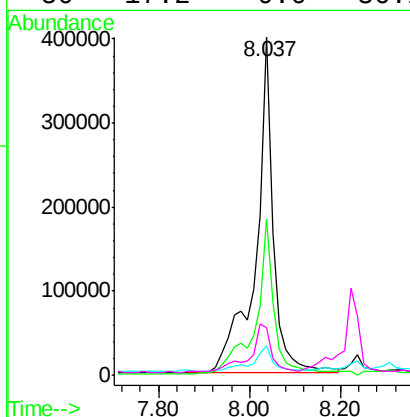
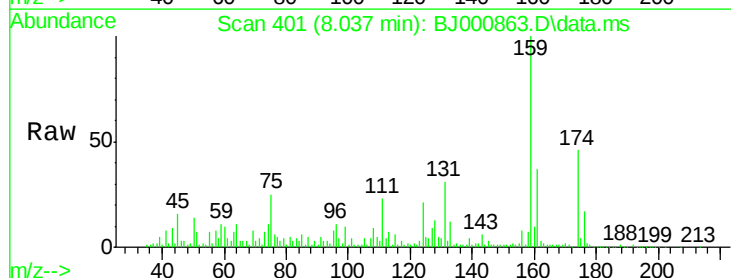
RT: 8.037 min Scan# 401

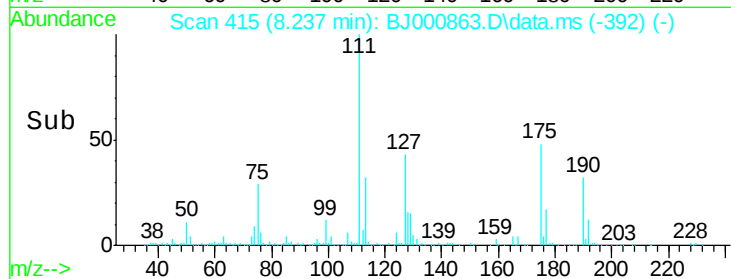
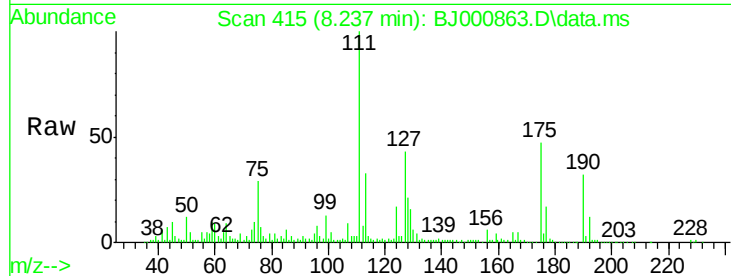
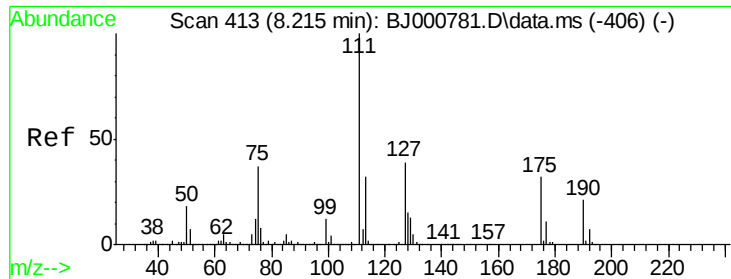
Delta R.T. 0.026 min

Lab File: BJ000863.D

Acq: 28 Apr 2012 5:56

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	1095034		
174	51.9	28.0	68.0	
108	9.0	0.0	28.5	
50	17.2	0.0	36.1	





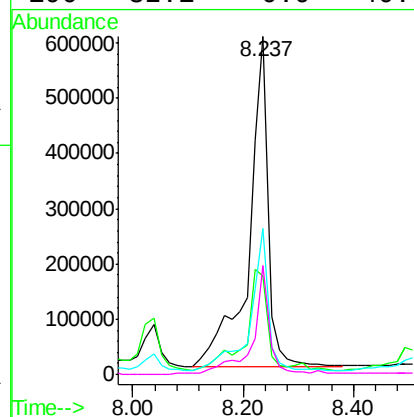
#14
 p-Chlorophenylmethylsulfone
 Concen: 10.79 ug/mL
 RT: 8.237 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: BJ000863.D
 Acq: 28 Apr 2012 5:56

Instrument :
 BNA_J
 ClientSampleId :
 OFD-CWP16-042512MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
111	100		1424681		
75	29.4	18.5	58.5		
127	43.1	19.3	59.3		
190	32.1	0.9	40.9		

Manual Integrations
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AHPatel
 5/3/2012 1:42:50 AM



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000863.D
 Acq On : 28 Apr 2012 5:56
 Operator : HLM
 Sample : D2367-20MSD
 Misc : WATER BNA_J HLM
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 OFD-CWP16-042512MSD

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:50 AM

Quant Time: May 03 01:47:07 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Mon Apr 30 10:31:38 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	233626	2.00	ug/mL	0.00
6) Naphthalene-d8	6.045	136	932715	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.127	99	199588	0.63	ug/mL	0.04
Spiked Amount 0.500	Range 70 - 130		Recovery	=	126.00%	
12) 2-Bromothioanisole	7.354	204	278440	4.55	ug/mL	0.01
Spiked Amount 5.000	Range 70 - 130		Recovery	=	91.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.772	94	442332	5.14	ug/mL	88
3) DMMP	3.711	79	19286	0.35	ug/mL	97
4) DIMP	5.148	97	385646m	1.88	ug/mL	
5) 1,4-Oxathiane	3.754	46	2658121	32.08	ug/mL#	58
7) 1,4-Dithiane	5.219	46	7430061	120.60	ug/mL#	82
9) Benzothiazole	6.344	135	2445005	10.53	ug/mL	87
11) p-Chlorophenylmethyisu...	6.600	158	1629736	10.15	ug/mL	92
13) p-Chlorophenylmethyisu...	8.037	159	1095034	12.22	ug/mL	95
14) p-Chlorophenylmethyisu...	8.237	111	1424681	10.79	ug/mL	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed