

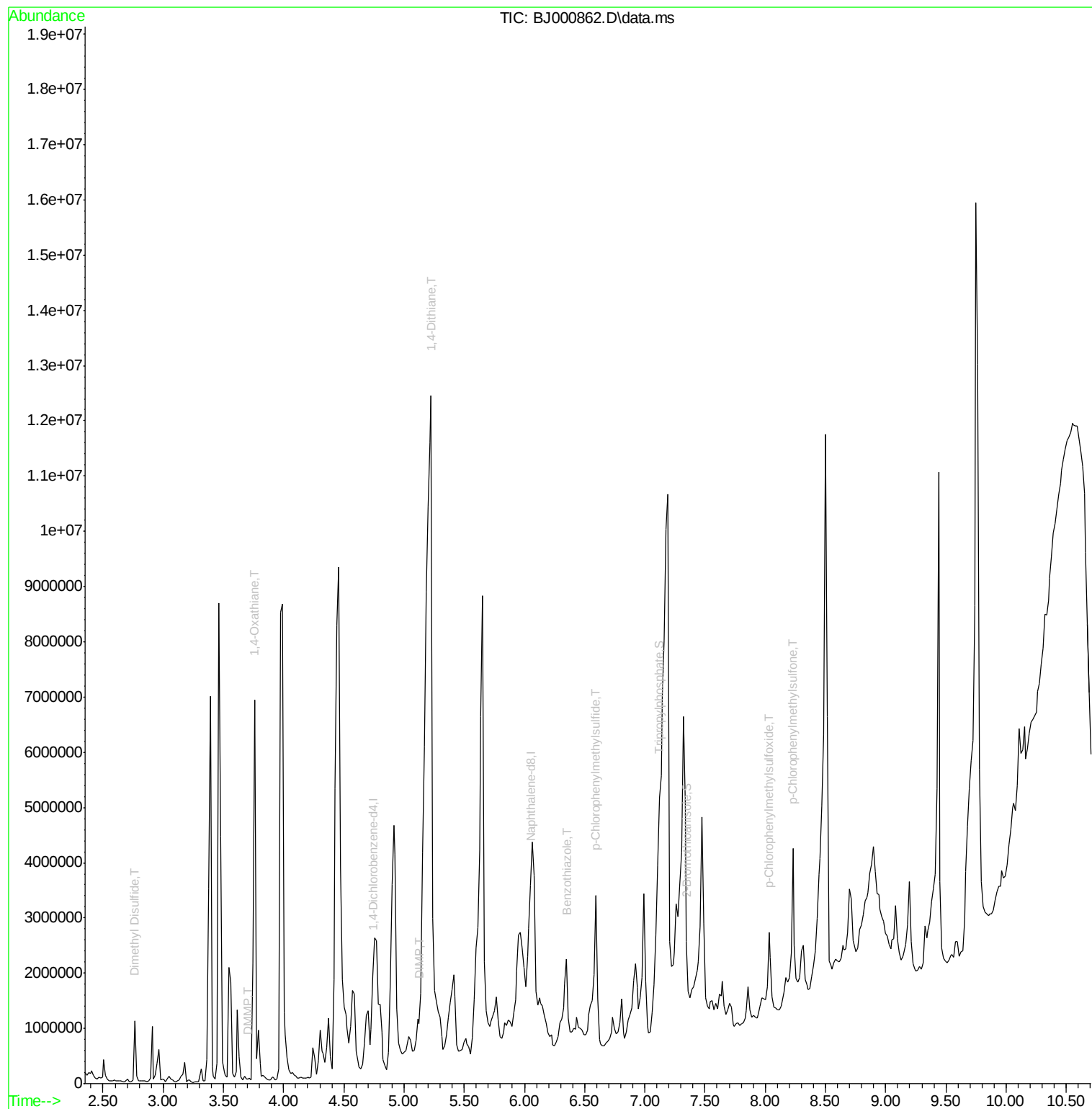
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000862.D
Acq On : 28 Apr 2012 5:39
Operator : HLM
Sample : D2367-19MS
Misc : WATER BNA_J HLM
ALS Vial : 41 Sample Multiplier: 1

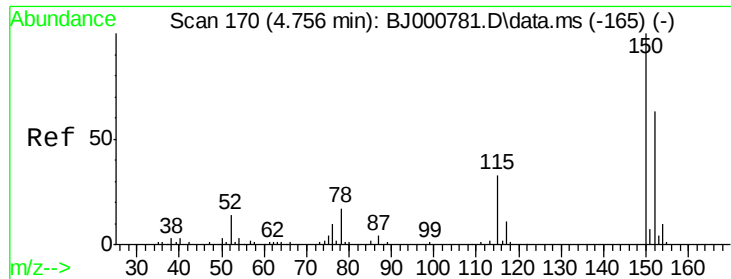
Instrument :
BNA_J
ClientSampleId :
OFD-CWP16-042512MS

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:48 AM

Quant Time: May 03 01:47:01 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: 4.742 min Scan# 16

Delta R.T. -0.011 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MS

Tgt Ion:152 Resp: 206789

Ion Ratio Lower Upper

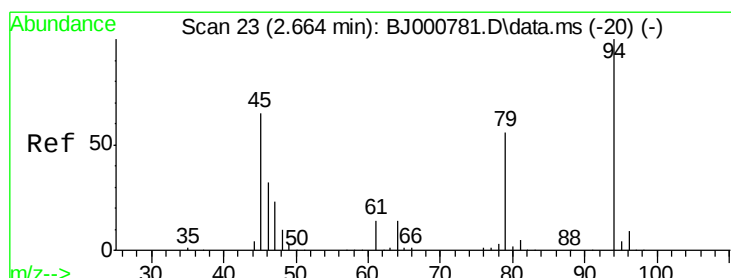
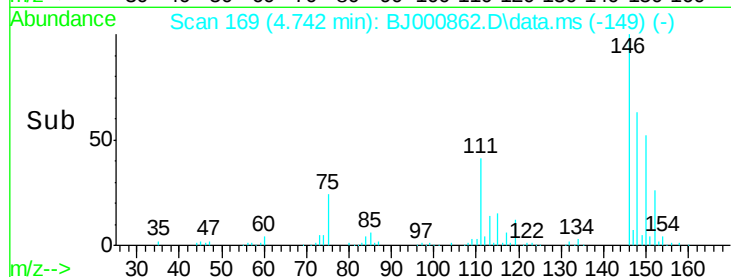
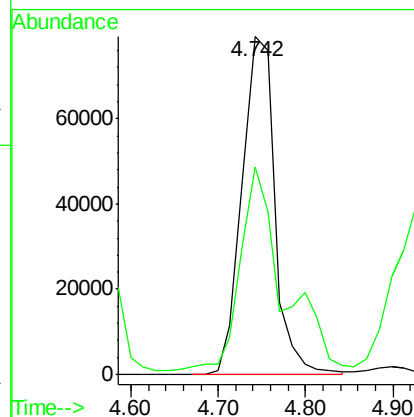
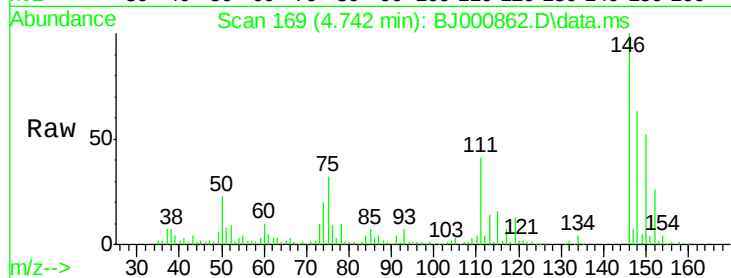
152 100

115 61.3 25.8 65.8

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#2

Dimethyl Disulfide

Concen: 3.93 ug/mL

RT: 2.764 min Scan# 30

Delta R.T. 0.103 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

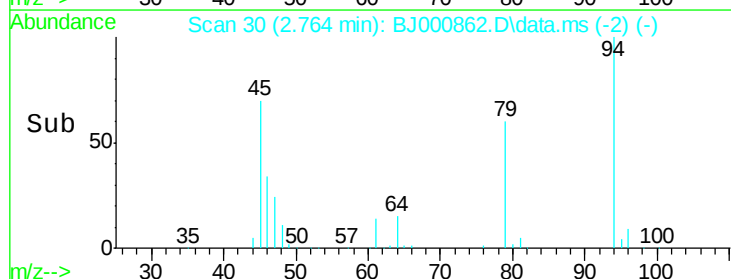
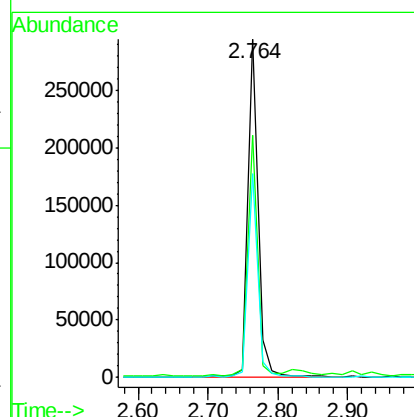
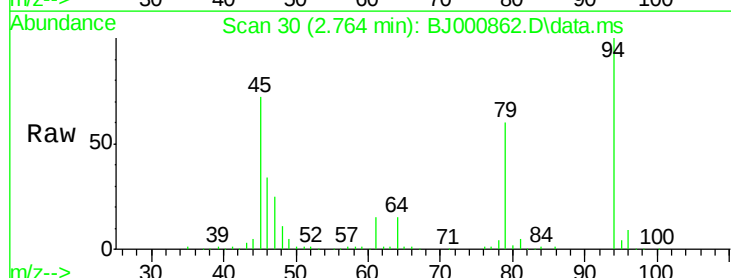
Tgt Ion: 94 Resp: 299379

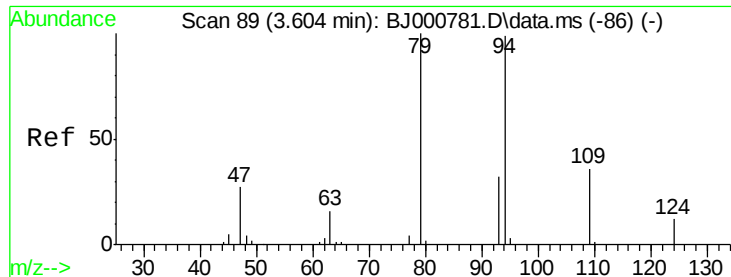
Ion Ratio Lower Upper

94 100

45 71.7 7.2 47.2#

79 60.2 21.6 61.6





#3

DMMP

Concen: 0.25 ug/mL

RT: 3.703 min Scan# 96

Delta R.T. 0.089 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Instrument :

BNA_J

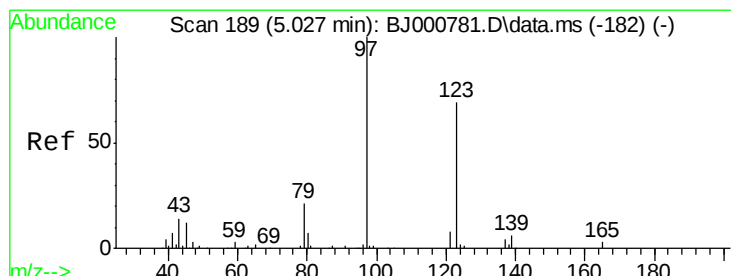
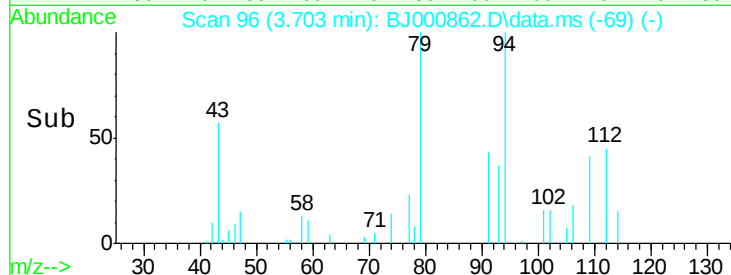
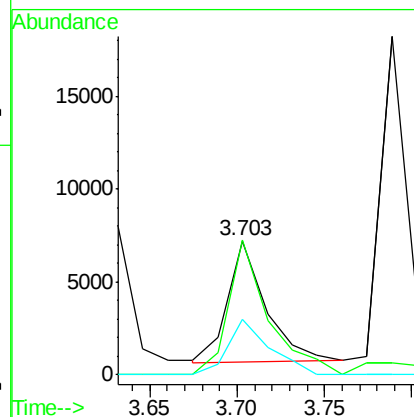
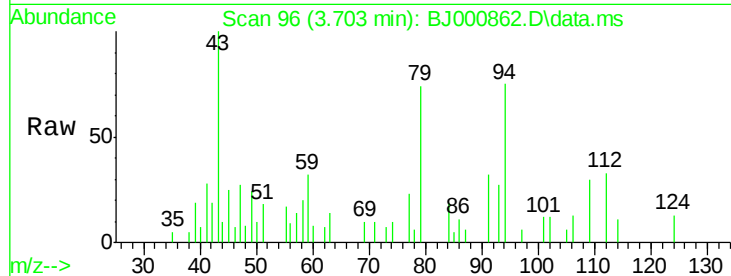
ClientSampleId :

OFD-CWP16-042512MS

Tgt Ion:	79	Resp:	10103
Ion Ratio	Lower	Upper	
79	100		
94	100.5	80.8	120.8
109	40.9	17.5	57.5

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#4

DIMP

Concen: 1.88 ug/mL m

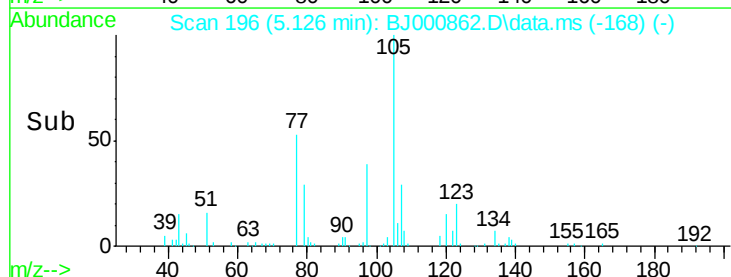
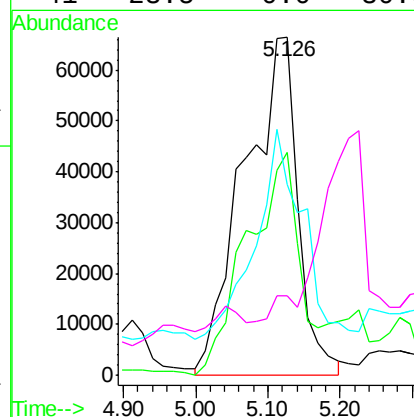
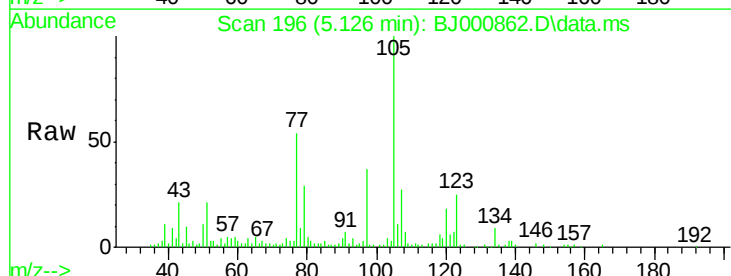
RT: 5.126 min Scan# 196

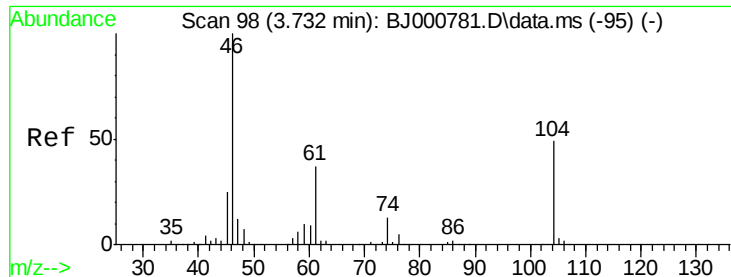
Delta R.T. 0.103 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Tgt Ion:	97	Resp:	342795
Ion Ratio	Lower	Upper	
97	100		
123	65.9	39.1	79.1
43	56.4	0.9	40.9#
41	23.5	0.0	30.0





#5

1,4-Oxathiane

Concen: 35.05 ug/mL

RT: 3.760 min Scan# 10

Delta R.T. 0.032 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MS

Tgt Ion: 46 Resp: 2570760

Ion Ratio Lower Upper

46 100

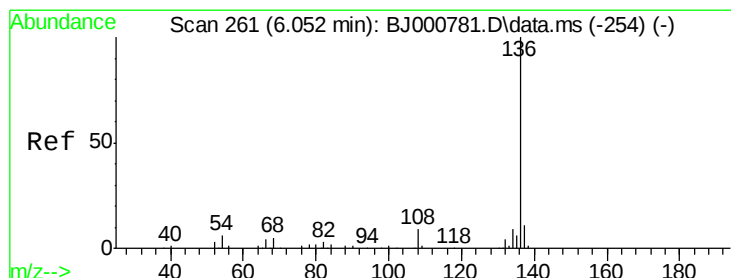
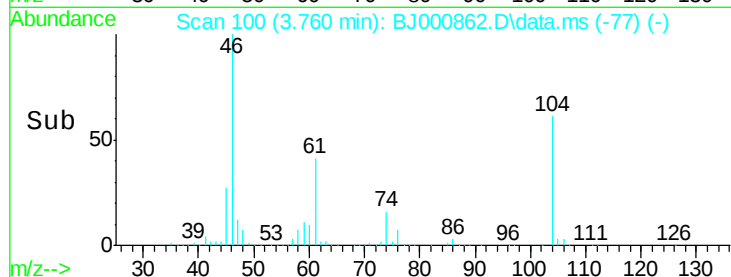
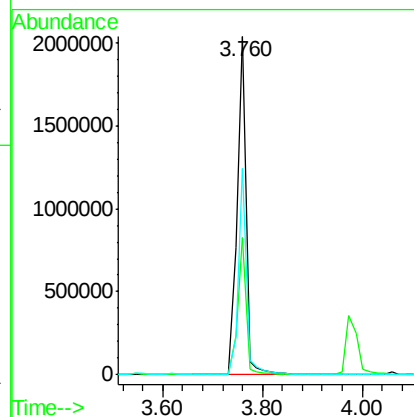
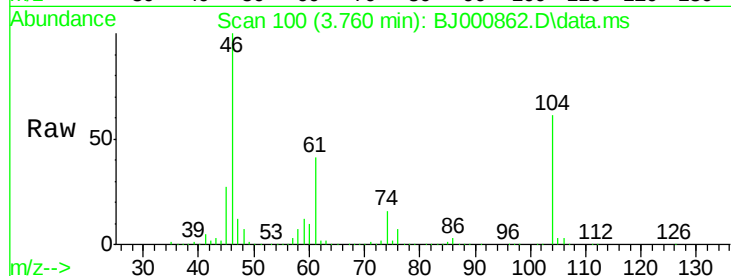
61 40.6 22.0 62.0

104 60.9 73.6 113.6#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.051 min Scan# 261

Delta R.T. 0.004 min

Lab File: BJ000862.D

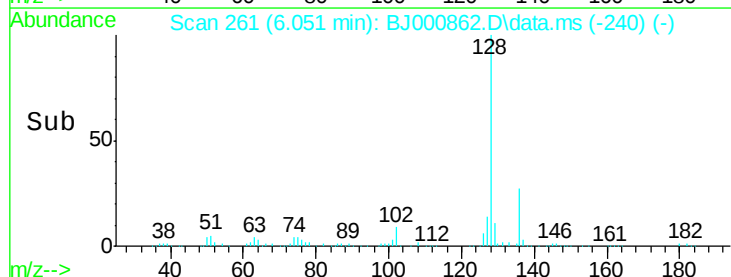
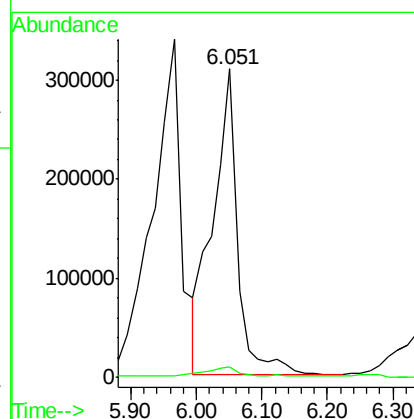
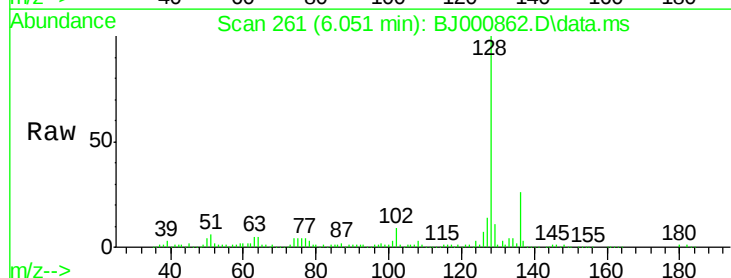
Acq: 28 Apr 2012 5:39

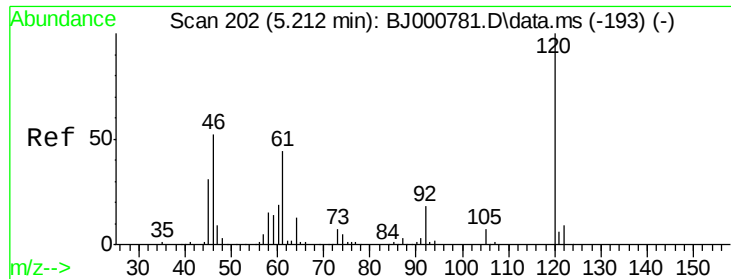
Tgt Ion: 136 Resp: 814862

Ion Ratio Lower Upper

136 100

68 3.3 0.0 23.1





#7

1,4-Dithiane

Concen: 127.71 ug/mL

RT: 5.226 min Scan# 20

Delta R.T. 0.032 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MS

Tgt Ion: 46 Resp: 6873847

Ion Ratio Lower Upper

46 100

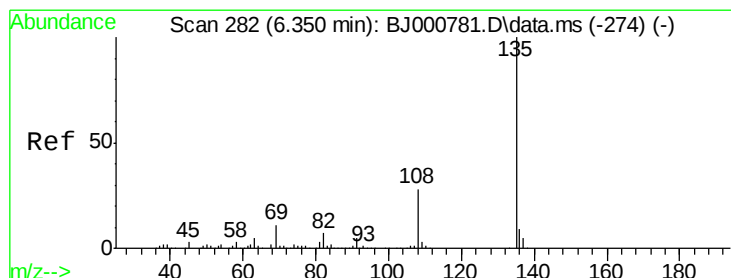
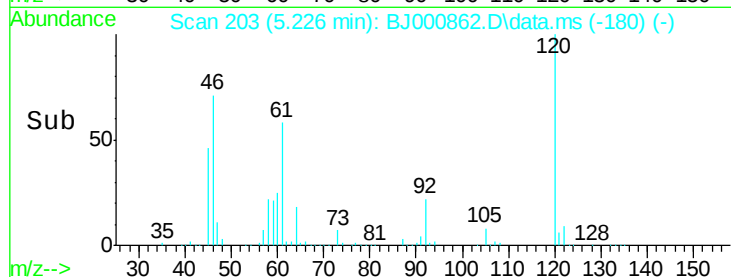
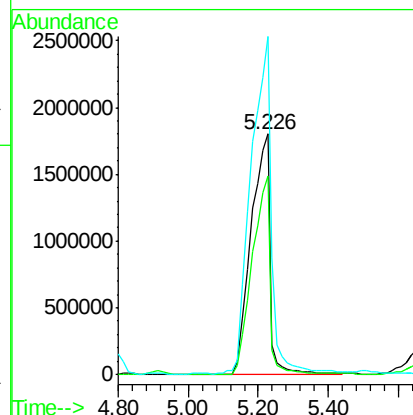
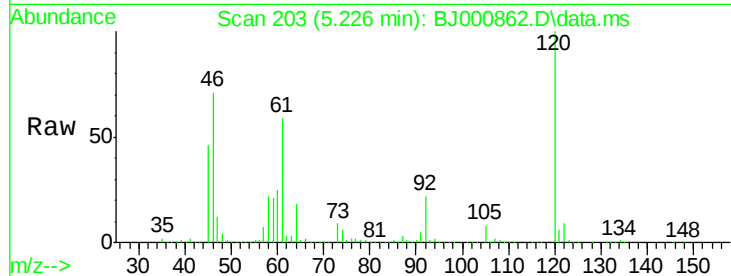
61 82.8 56.7 96.7

120 140.5 148.6 188.6#

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#9

Benzothiazole

Concen: 10.84 ug/mL

RT: 6.350 min Scan# 282

Delta R.T. 0.004 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

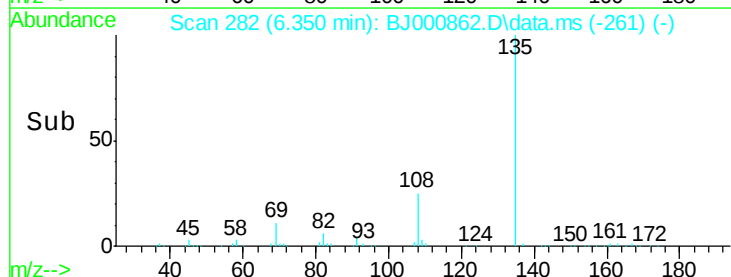
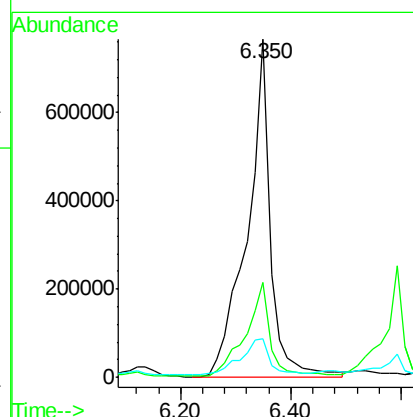
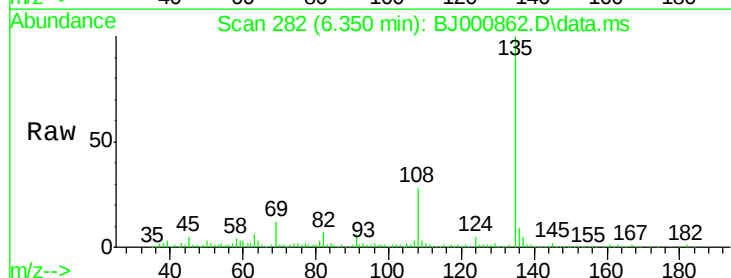
Tgt Ion: 135 Resp: 2198649

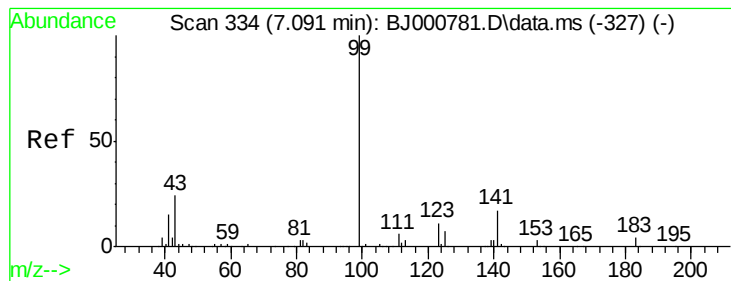
Ion Ratio Lower Upper

135 100

108 27.9 7.0 47.0

69 11.6 0.0 30.4





#10

Tripropylphosphate

Concen: 0.61 ug/mL

RT: 7.119 min Scan# 33

Delta R.T. 0.032 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Instrument :

BNA_J

ClientSampleId :

OFD-CWP16-042512MS

Tgt Ion: 99 Resp: 169971

Ion Ratio Lower Upper

99 100

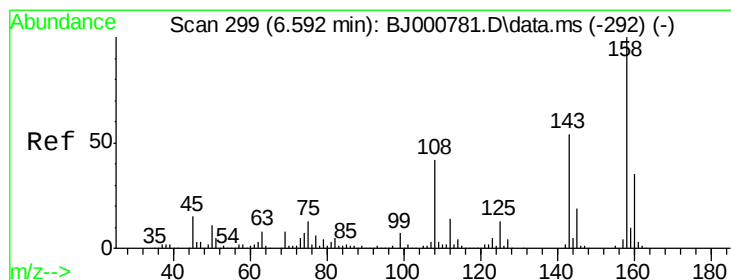
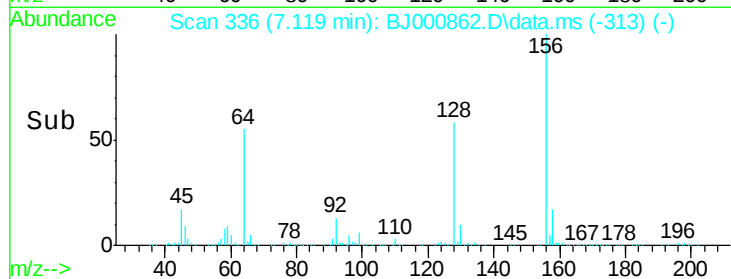
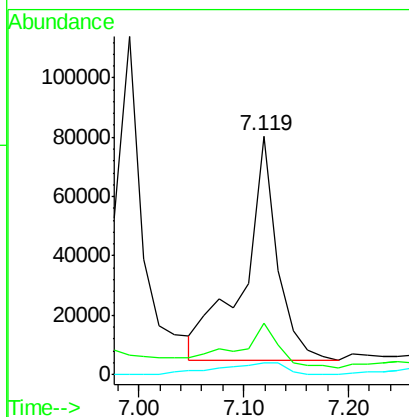
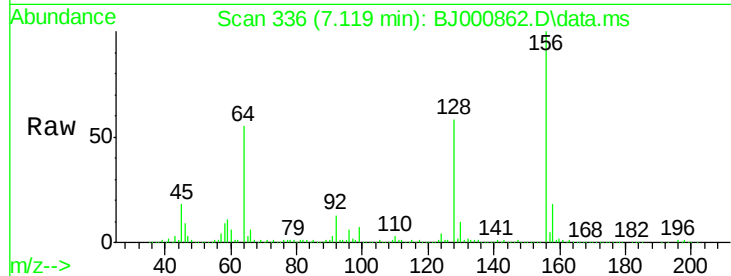
141 29.3 18.7 28.1#

183 10.1 6.2 9.2#

Manual Integrations
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5/3/2012 1:42:48 AM



#11

p-Chlorophenylmethylsulfide

Concen: 10.40 ug/mL

RT: 6.592 min Scan# 299

Delta R.T. 0.004 min

Lab File: BJ000862.D

Acq: 28 Apr 2012 5:39

Tgt Ion: 158 Resp: 1459239

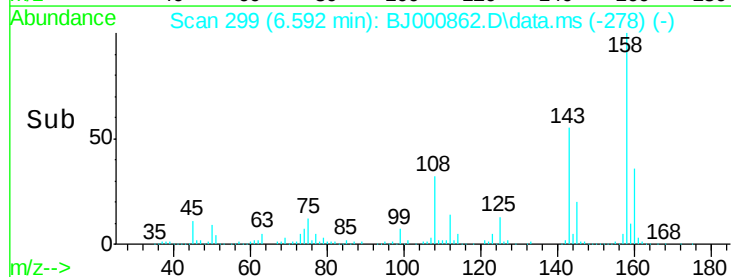
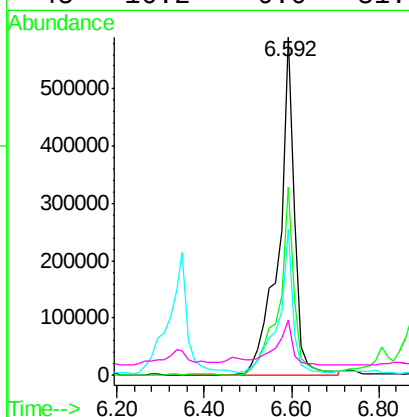
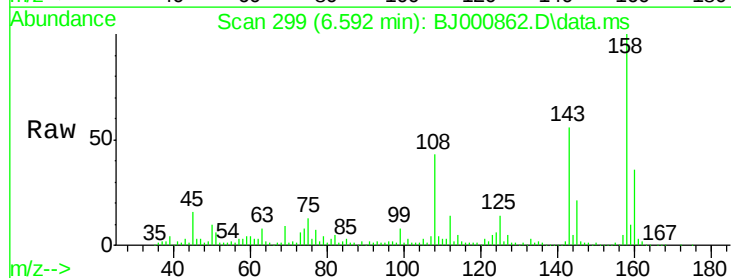
Ion Ratio Lower Upper

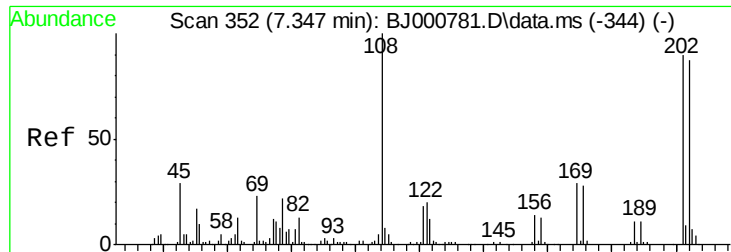
158 100

143 55.5 32.7 72.7

108 43.0 18.7 58.7

45 16.2 0.0 31.9





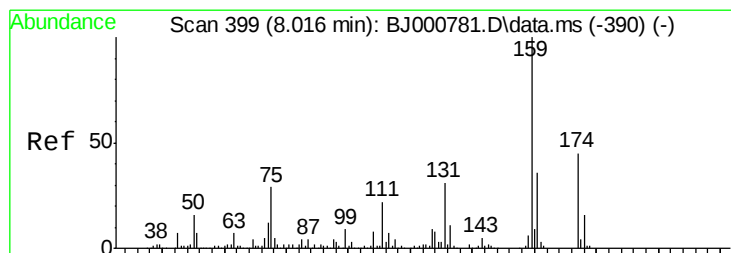
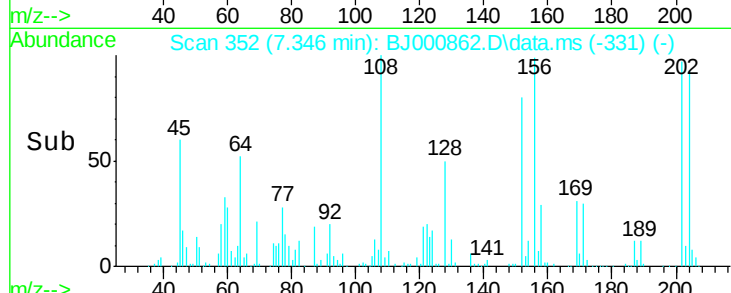
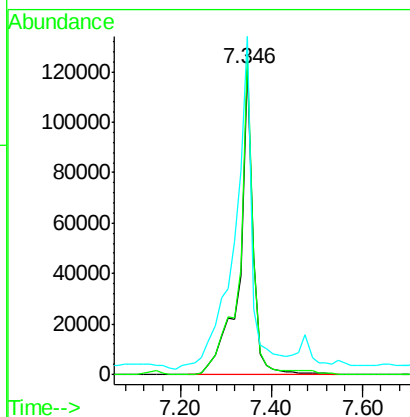
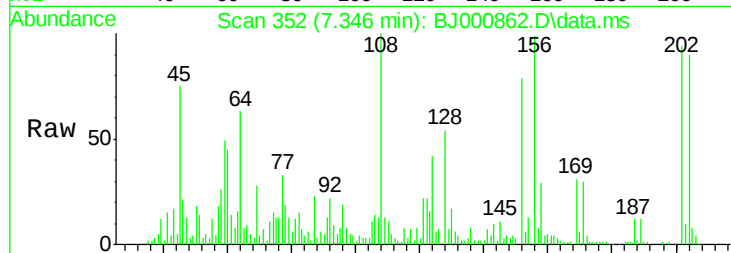
#12
 2-Bromothioanisole
 Concen: 4.74 ug/mL
 RT: 7.346 min Scan# 351
 Delta R.T. 0.004 min
 Lab File: BJ000862.D
 Acq: 28 Apr 2012 5:39

Instrument :
 BNA_J
 ClientSampleId :
 OFD-CWP16-042512MS

Tgt Ion:	204	Resp:	253603
Ion Ratio	Lower	Upper	
204	100		
202	104.5	82.9	122.9
108	110.8	70.0	110.0#

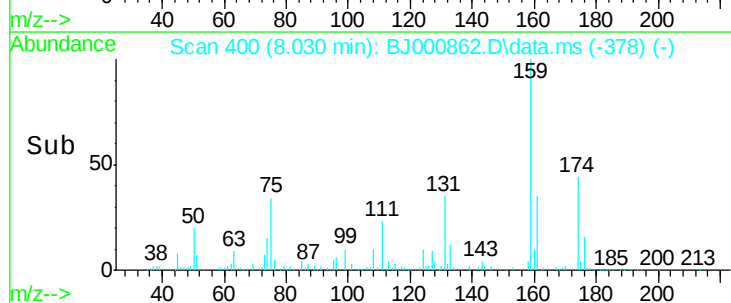
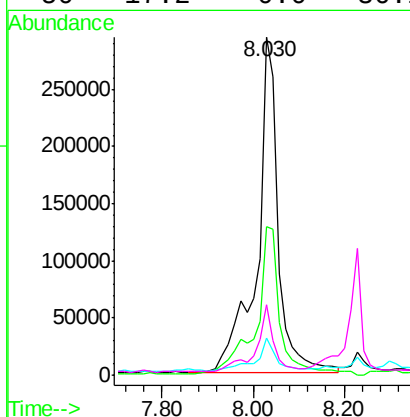
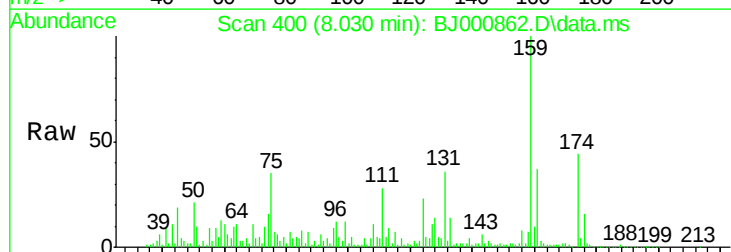
Manual Integrations
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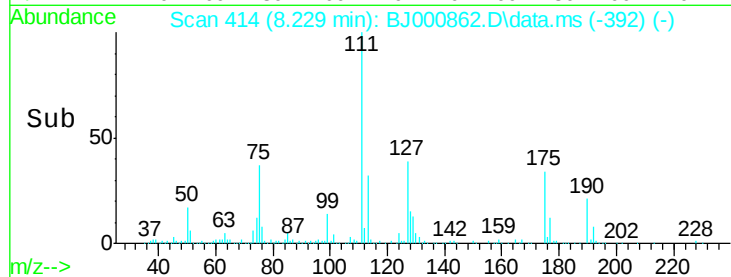
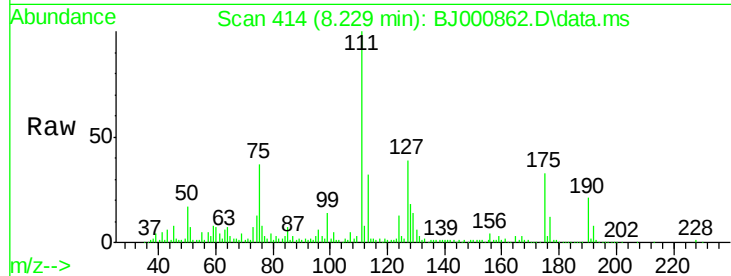
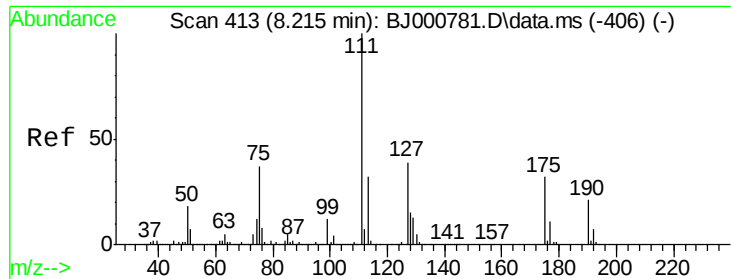
AHPatel
 5/3/2012 1:42:48 AM



#13
 p-Chlorophenylmethylsulfoxide
 Concen: 12.21 ug/mL
 RT: 8.030 min Scan# 400
 Delta R.T. 0.018 min
 Lab File: BJ000862.D
 Acq: 28 Apr 2012 5:39

Tgt Ion:	159	Resp:	955851
Ion Ratio	Lower	Upper	
159	100		
174	52.1	28.0	68.0
108	9.0	0.0	28.5
50	17.2	0.0	36.1





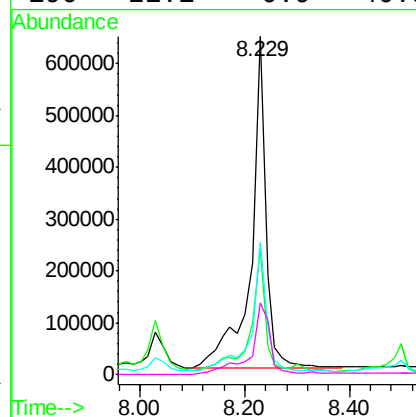
#14
 p-Chlorophenylmethylsulfone
 Concen: 10.97 ug/mL
 RT: 8.229 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BJ000862.D
 Acq: 28 Apr 2012 5:39

Instrument :
 BNA_J
 ClientSampleId :
 OFD-CWP16-042512MS

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	1266329		
75	37.0		18.5	58.5
127	39.0		19.3	59.3
190	21.1		0.9	40.9

Manual Integrations
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 5/3/2012 1:42:48 AM



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000862.D
 Acq On : 28 Apr 2012 5:39
 Operator : HLM
 Sample : D2367-19MS
 Misc : WATER BNA_J HLM
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 OFD-CWP16-042512MS

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:48 AM

Quant Time: May 03 01:47:01 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	4.742	152	206789	2.00	ug/mL	-0.01
6) Naphthalene-d8	6.051	136	814862	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.119	99	169971	0.61	ug/mL	0.03
Spiked Amount 0.500	Range 70 - 130		Recovery	=	122.00%	
12) 2-Bromothioanisole	7.346	204	253603	4.74	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	94.80%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.764	94	299379	3.93	ug/mL#	48
3) DMMP	3.703	79	10103	0.25	ug/mL	98
4) DIMP	5.126	97	342795m	1.88	ug/mL	
5) 1,4-Oxathiane	3.760	46	2570760	35.05	ug/mL#	76
7) 1,4-Dithiane	5.226	46	6873847	127.71	ug/mL#	84
9) Benzothiazole	6.350	135	2198649	10.84	ug/mL	98
11) p-Chlorophenylmethyisu...	6.592	158	1459239	10.40	ug/mL	94
13) p-Chlorophenylmethyisu...	8.030	159	955851	12.21	ug/mL	95
14) p-Chlorophenylmethyisu...	8.229	111	1266329	10.97	ug/mL	99

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