

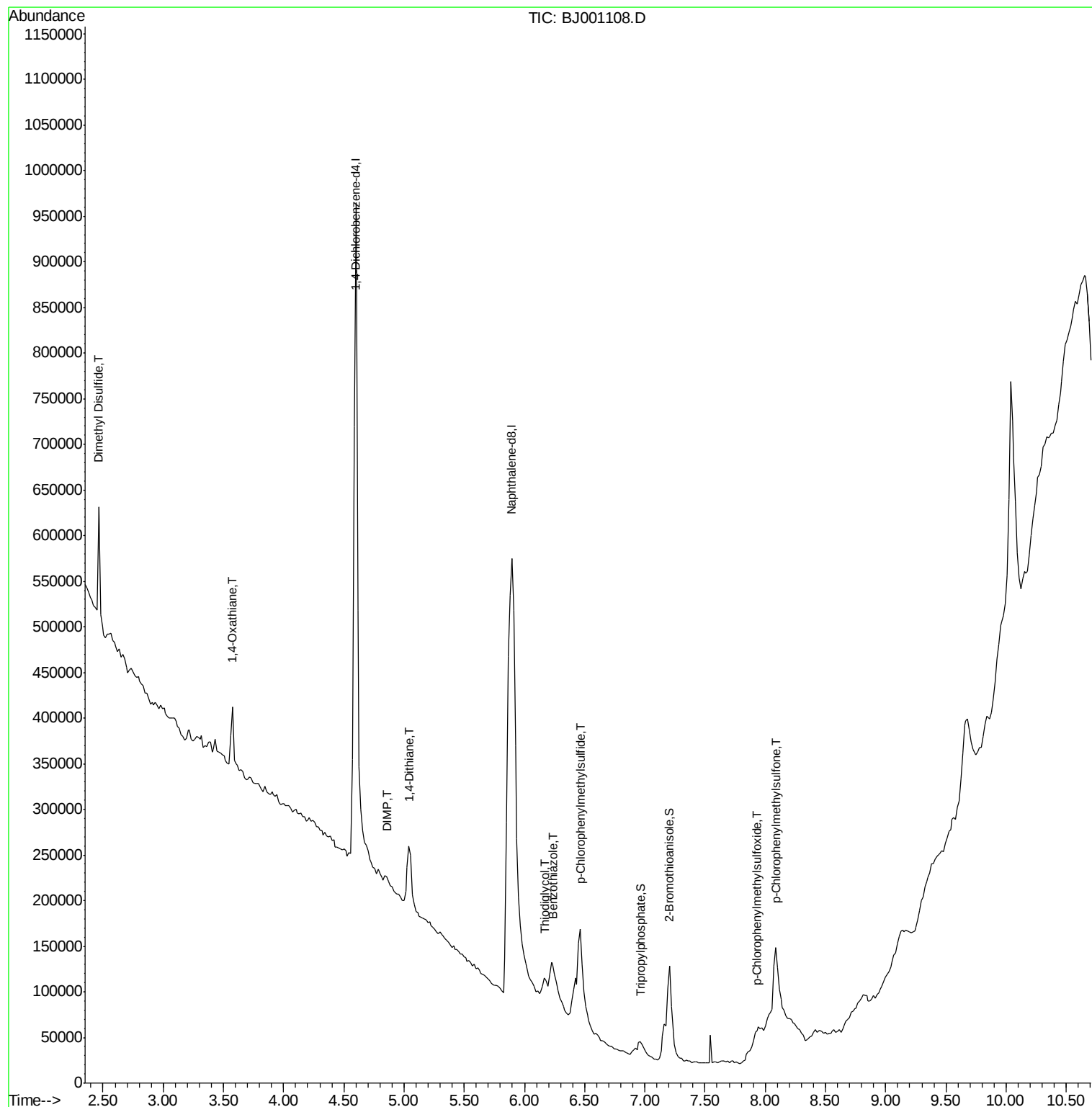
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001108.D
Acq On : 11 Sep 2012 14:45
Operator : HLM
Sample : CWA-1
Misc : CWA STD BNA_J HLM
ALS Vial : 7 Sample Multiplier: 1

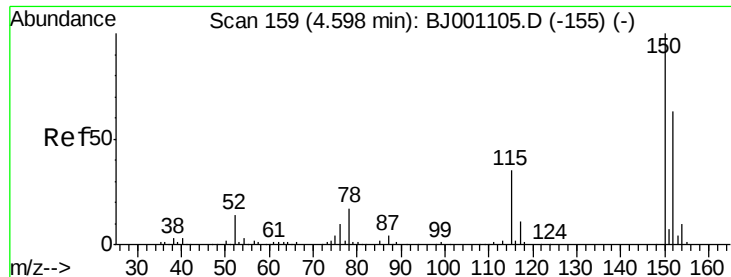
Instrument :
BNA_J
LabSampleId :
CWA-1

Manual Integrations
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9/20/2012 5:29:26 AM

Quant Time: Sep 20 04:56:58 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Sep 11 15:29:36 2012
Response via : Initial Calibration





#1

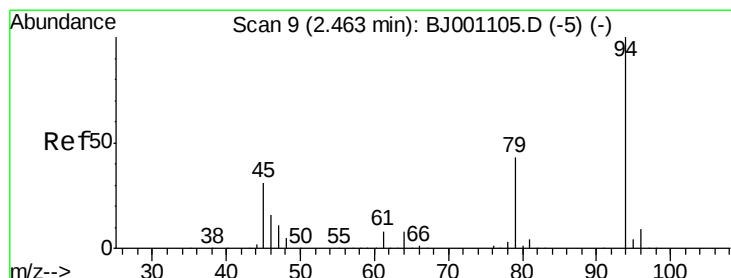
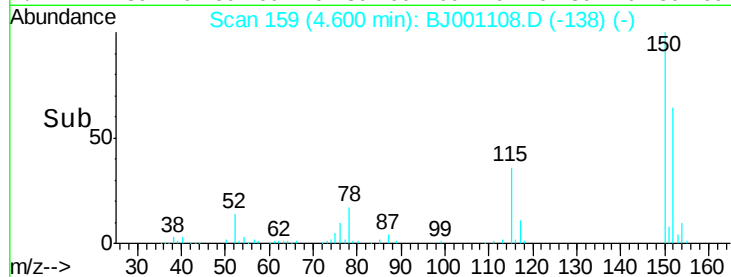
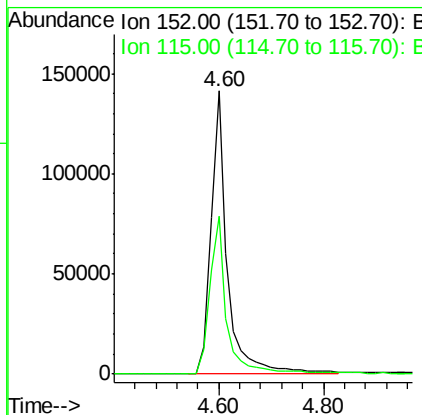
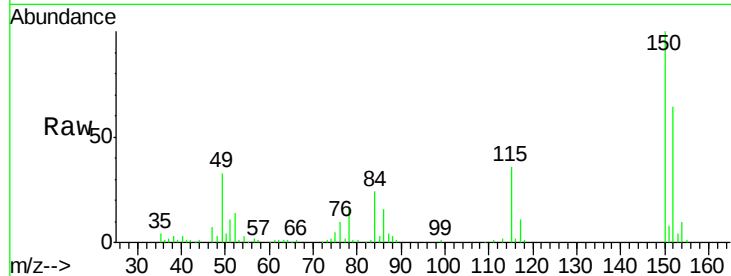
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: BJ001108.D
Acq: 11 Sep 2012 14:45

Instrument :
BNA_J
LabSampleId :
CWA-1

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	35.3	75.3

Manual Integrations
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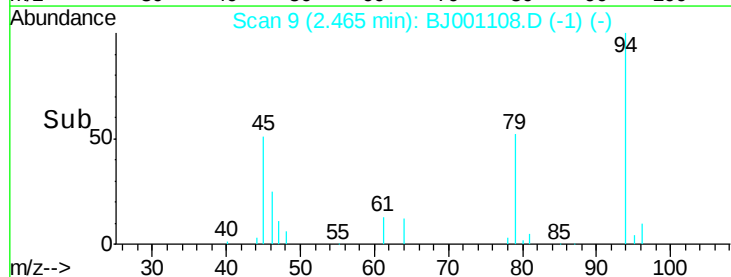
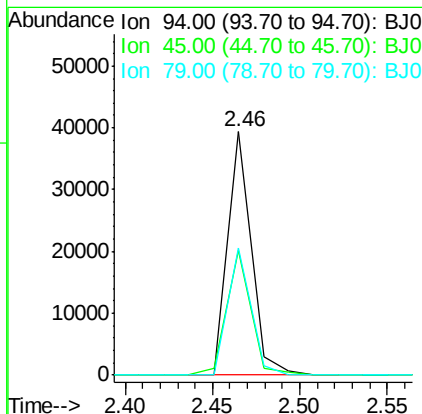
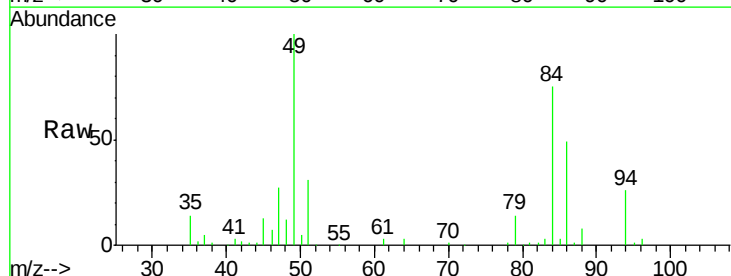
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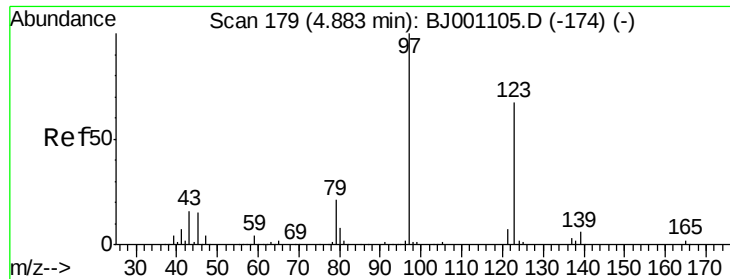


#2

Dimethyl Disulfide
Concen: 0.31 ug/mL
RT: 2.46 min Scan# 9
Delta R.T. 0.00 min
Lab File: BJ001108.D
Acq: 11 Sep 2012 14:45

Tgt Ion	Ratio	Lower	Upper
94	100		
45	51.0	12.7	52.7
79	52.1	22.9	62.9





#4

DIMP

Concen: 0.09 ug/mL m

RT: 4.86 min Scan# 177

Delta R.T. -0.03 min

Lab File: BJ001108.D

Acq: 11 Sep 2012 14:45

Instrument :

BNA_J

LabSampleId :

CWA-1

Tgt Ion: 97 Resp: 20660

Ion Ratio Lower Upper

97 100

123 60.3 47.2 87.2

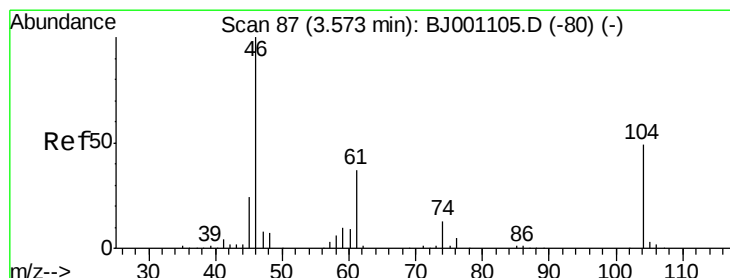
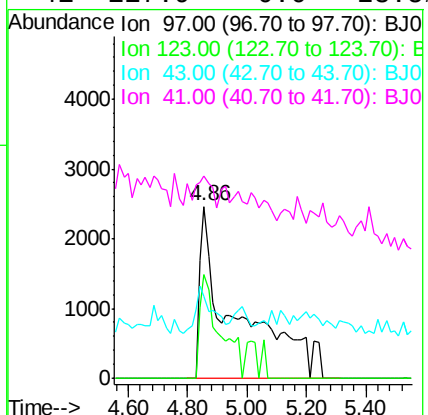
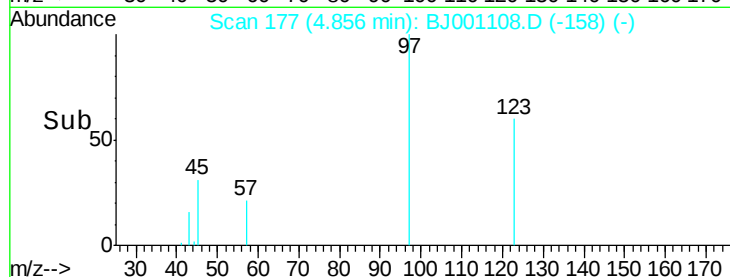
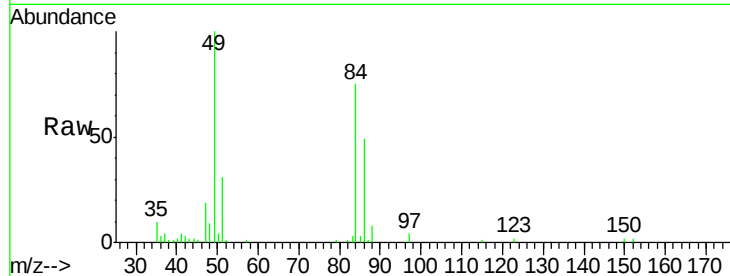
43 47.9 0.0 36.5#

41 117.9 0.0 28.5#

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#5

1,4-Oxathiane

Concen: 0.21 ug/mL

RT: 3.58 min Scan# 87

Delta R.T. 0.00 min

Lab File: BJ001108.D

Acq: 11 Sep 2012 14:45

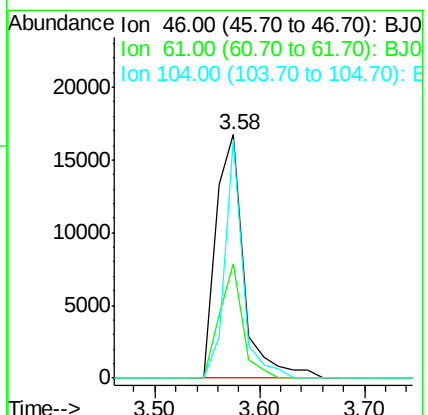
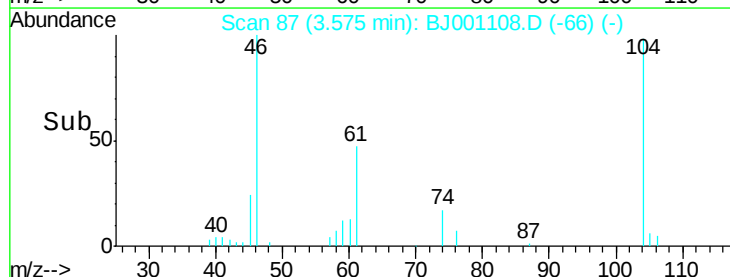
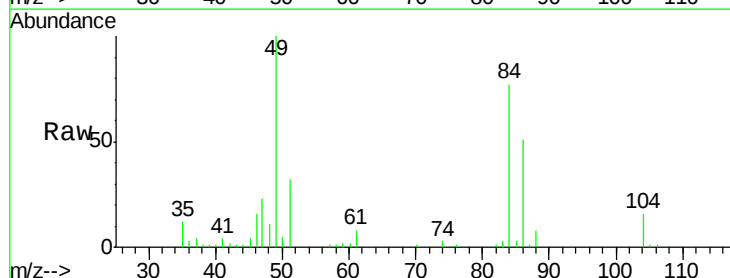
Tgt Ion: 46 Resp: 31026

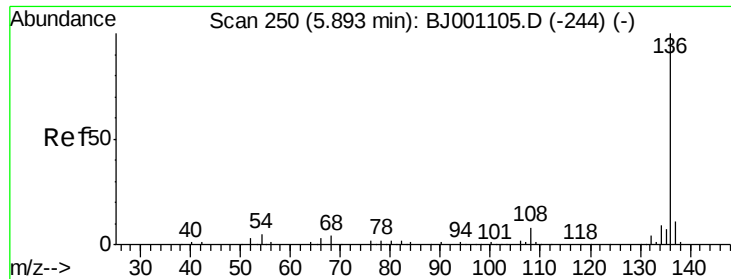
Ion Ratio Lower Upper

46 100

61 46.9 17.1 57.1

104 98.1 29.3 69.3#





#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.89 min Scan# 250

Delta R.T. 0.00 min

Lab File: BJ001108.D

Acq: 11 Sep 2012 14:45

Instrument :

BNA_J

LabSampleId :

CWA-1

Tgt Ion:136 Resp: 1301482

Ion Ratio Lower Upper

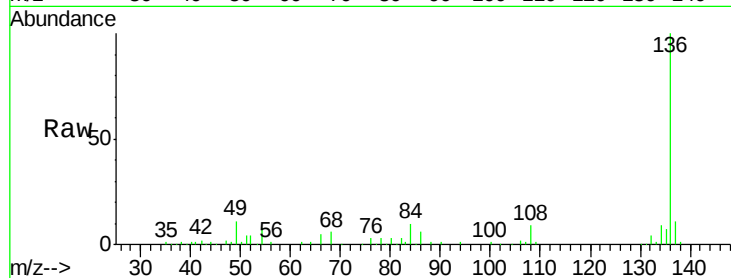
136 100

68 6.4 0.0 24.4

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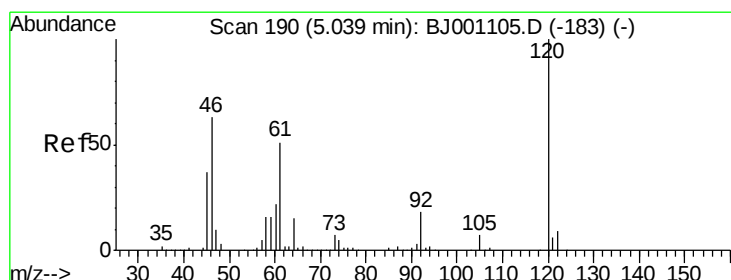
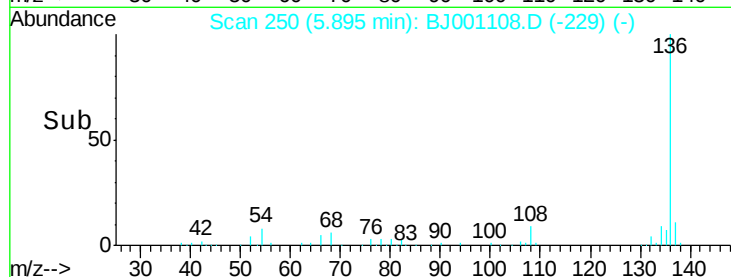
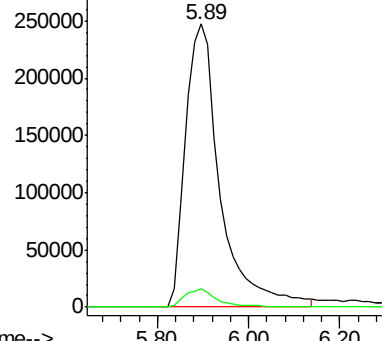
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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 68.00 (67.70 to 68.70): BJ0



#7

1,4-Dithiane

Concen: 0.23 ug/mL

RT: 5.04 min Scan# 190

Delta R.T. 0.00 min

Lab File: BJ001108.D

Acq: 11 Sep 2012 14:45

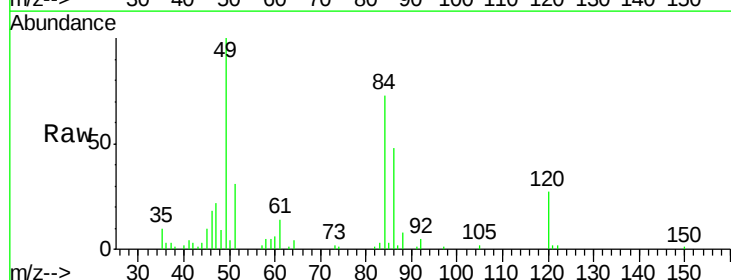
Tgt Ion: 46 Resp: 27691

Ion Ratio Lower Upper

46 100

61 78.4 60.0 100.0

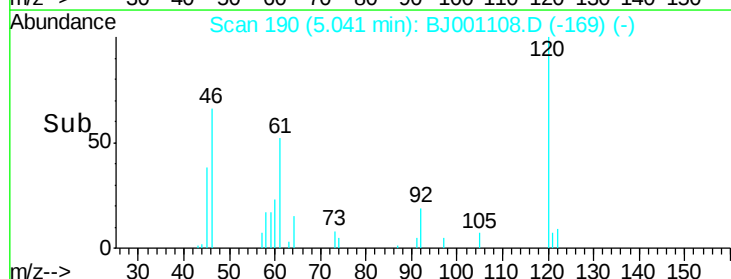
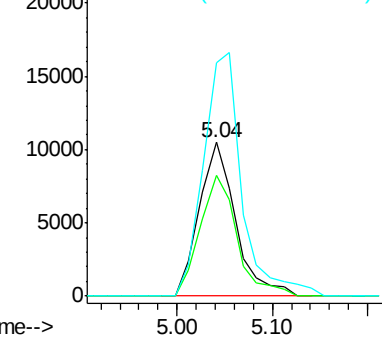
120 151.8 138.1 178.1

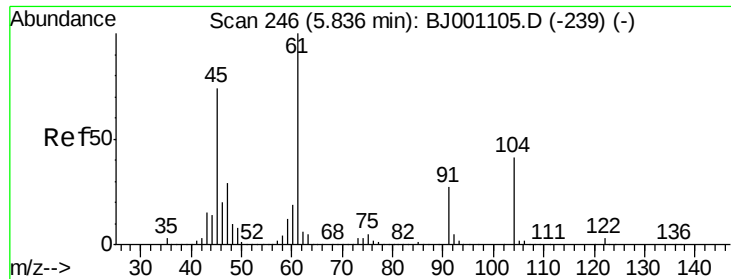


Abundance Ion 46.00 (45.70 to 46.70): BJ0

Ion 61.00 (60.70 to 61.70): BJ0

Ion 120.00 (119.70 to 120.70): E





#8

Thiodiglycol

Concen: 2.09 ug/mL m

RT: 6.17 min Scan# 269

Delta R.T. 0.33 min

Lab File: BJ001108.D

Acq: 11 Sep 2012 14:45

Instrument :

BNA_J

LabSampleId :

CWA-1

Tgt Ion: 61 Resp: 217123
Ion Ratio Lower Upper

61 100

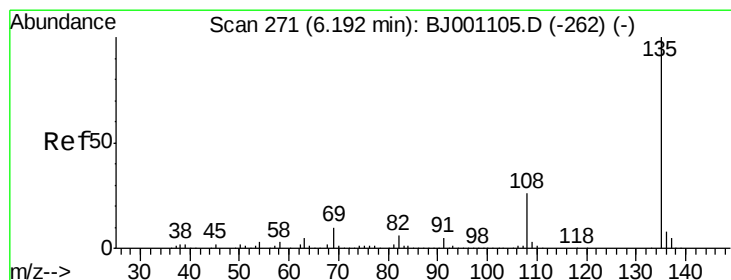
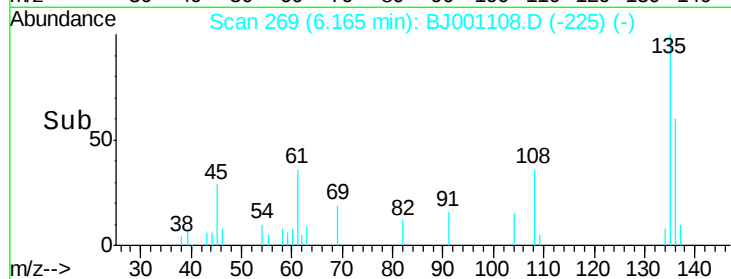
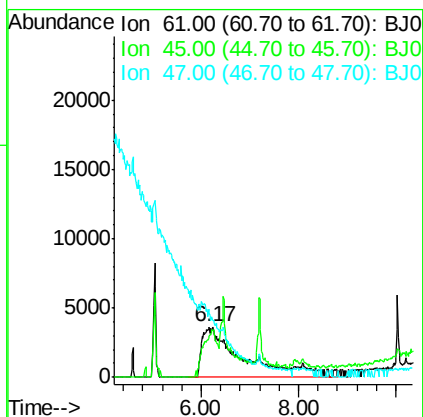
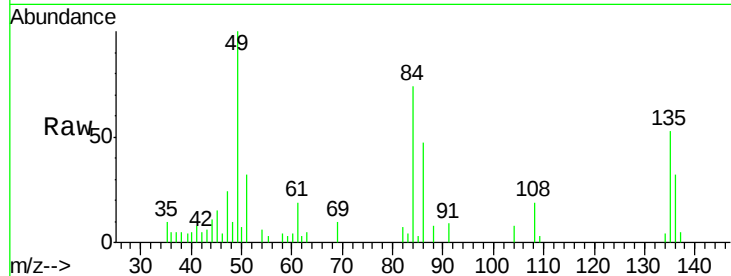
45 81.9 54.0 94.0

47 126.9 9.6 49.6#

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#9

Benzothiazole

Concen: 0.52 ug/mL m

RT: 6.24 min Scan# 274

Delta R.T. 0.04 min

Lab File: BJ001108.D

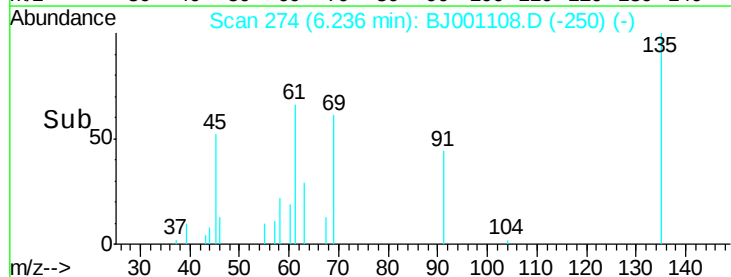
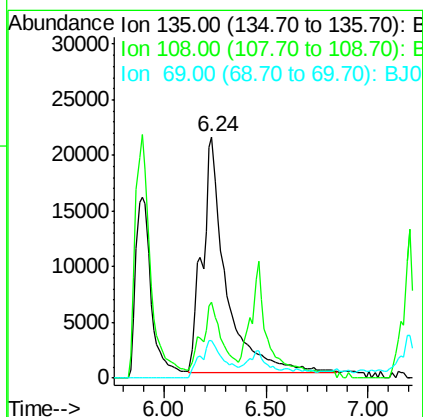
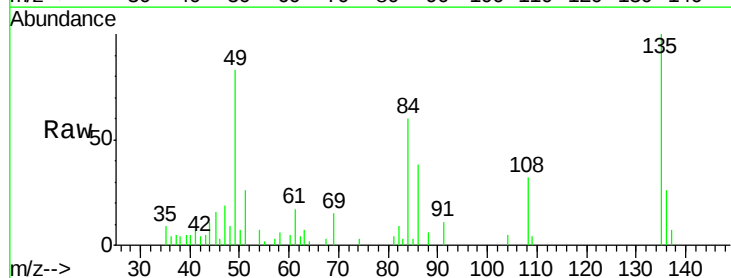
Acq: 11 Sep 2012 14:45

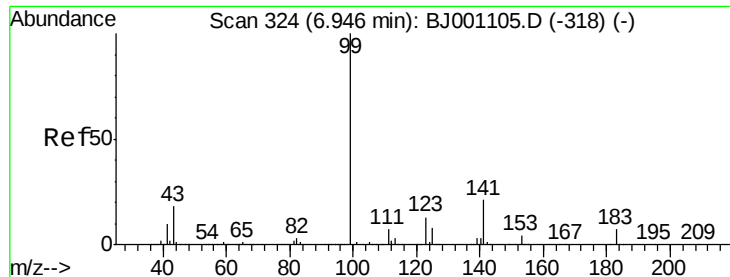
Tgt Ion: 135 Resp: 172804
Ion Ratio Lower Upper

135 100

108 31.6 5.8 45.8

69 15.4 0.0 30.2





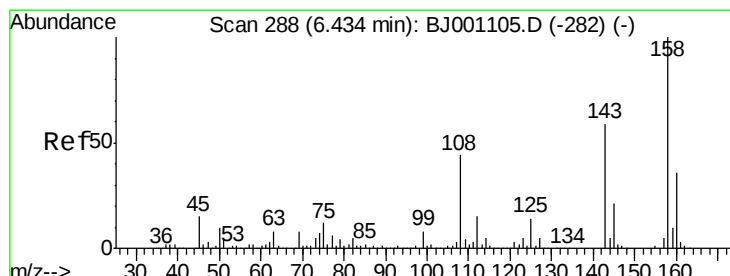
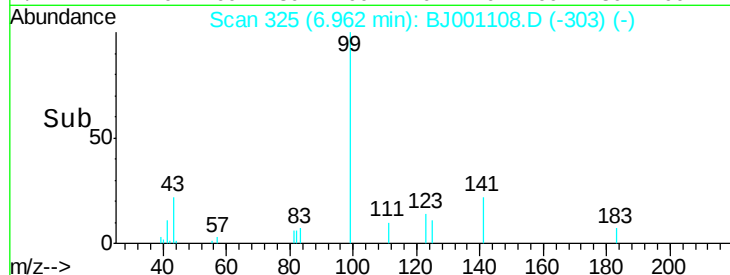
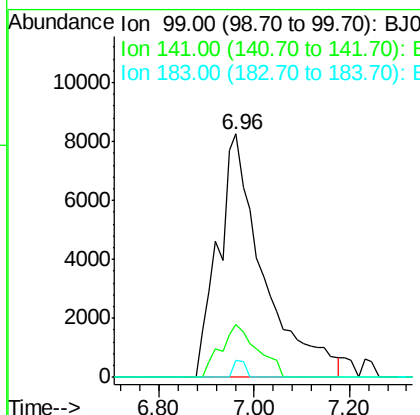
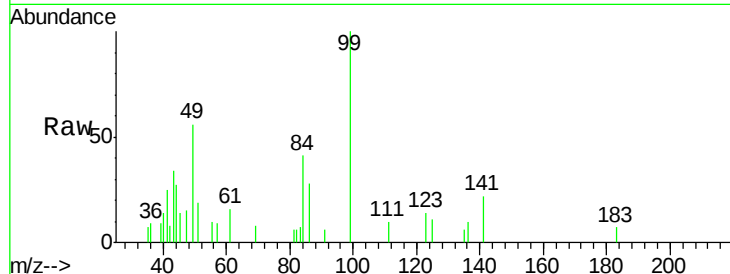
#10
 Tripropylphosphate
 Concen: 0.11 ug/mL
 RT: 6.96 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: BJ001108.D
 Acq: 11 Sep 2012 14:45

Instrument :
 BNA_J
 LabSampleId :
 CWA-1

Tgt Ion	Ratio	Lower	Upper
99	100		
141	17.6	16.0	24.0
183	1.8	5.6	8.4#

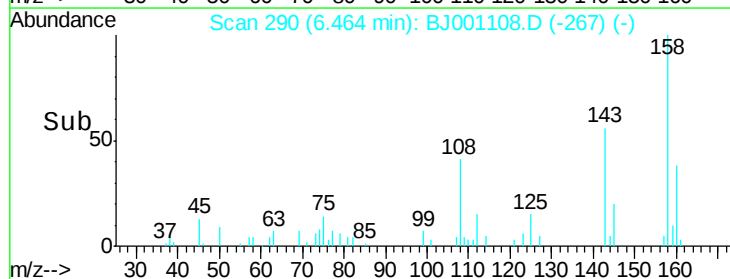
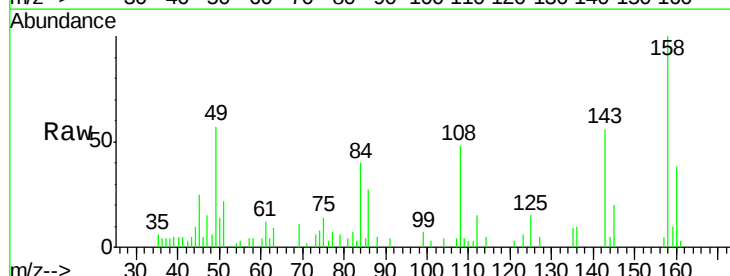
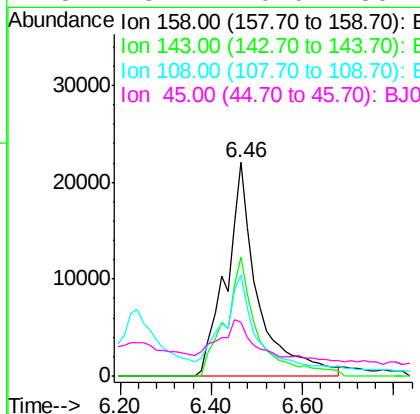
Manual Integrations
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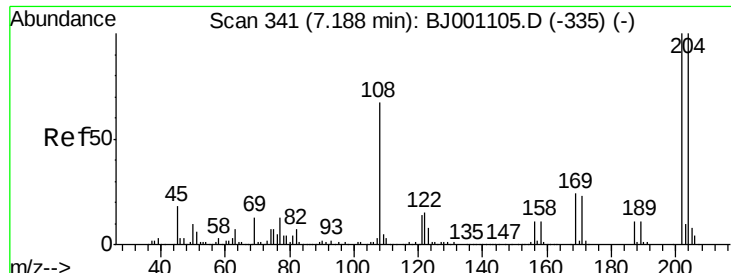
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#11
 p-Chlorophenylmethylsulfide
 Concen: 0.52 ug/mL
 RT: 6.46 min Scan# 290
 Delta R.T. 0.03 min
 Lab File: BJ001108.D
 Acq: 11 Sep 2012 14:45

Tgt Ion	Ratio	Lower	Upper
158	100		
143	55.7	39.2	79.2
108	47.6	24.9	64.9
45	25.2	0.0	36.2





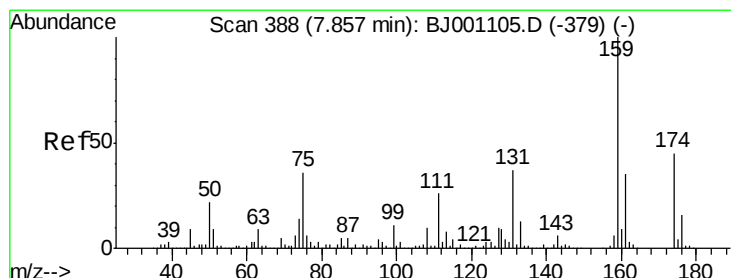
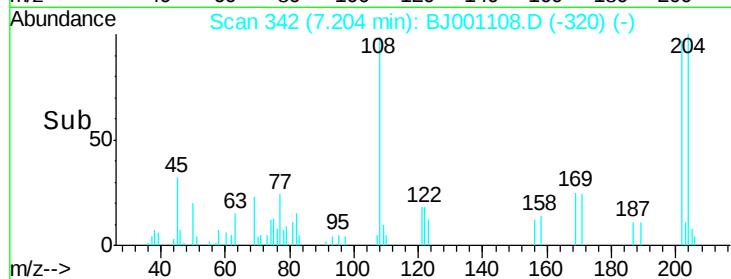
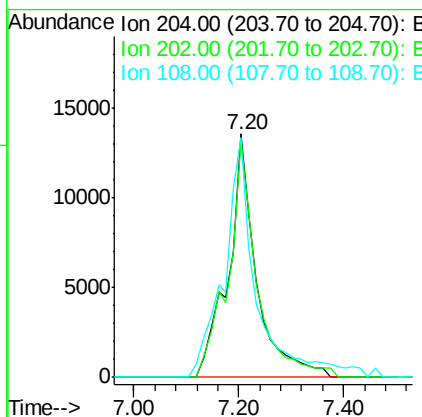
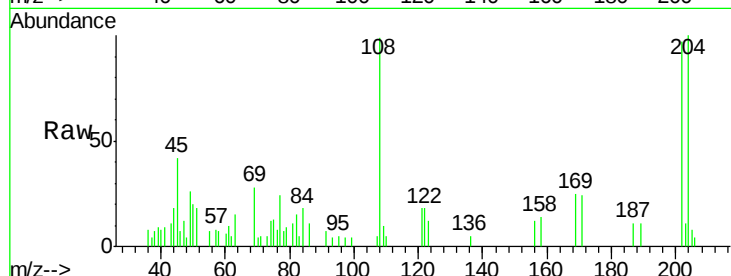
#12
 2-Bromothioanisole
 Concen: 0.50 ug/mL
 RT: 7.20 min Scan# 342
 Delta R.T. 0.02 min
 Lab File: BJ001108.D
 Acq: 11 Sep 2012 14:45

Instrument :
 BNA_J
 LabSampleId :
 CWA-1

Tgt Ion: 204 Resp: 50732
 Ion Ratio Lower Upper
 204 100
 202 96.8 79.8 119.8
 108 98.5 47.7 87.7#

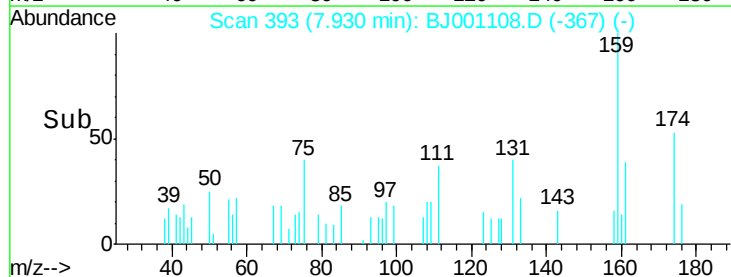
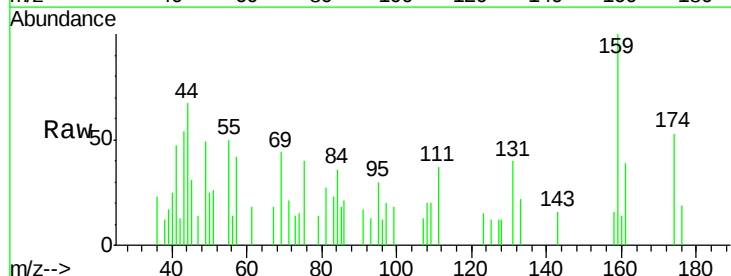
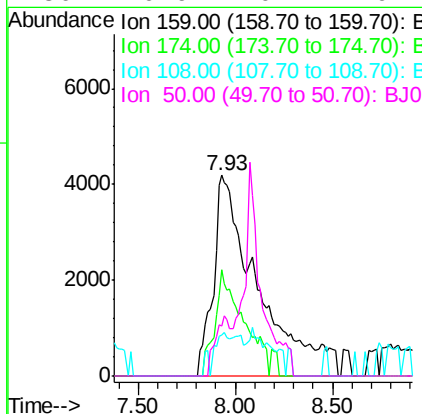
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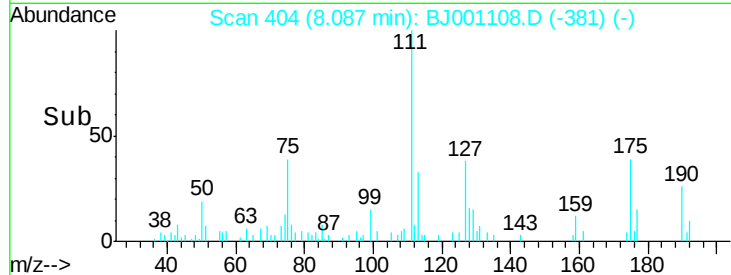
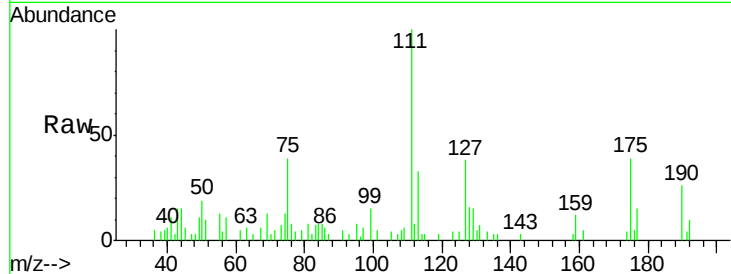
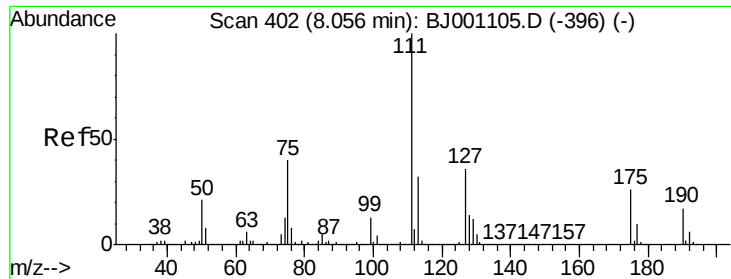
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#13
 p-Chlorophenylmethylsulfoxide
 Concen: 0.60 ug/mL m
 RT: 7.93 min Scan# 393
 Delta R.T. 0.07 min
 Lab File: BJ001108.D
 Acq: 11 Sep 2012 14:45

Tgt Ion: 159 Resp: 66979
 Ion Ratio Lower Upper
 159 100
 174 29.2 27.2 67.2
 108 6.9 0.0 29.4
 50 10.9 0.7 40.7





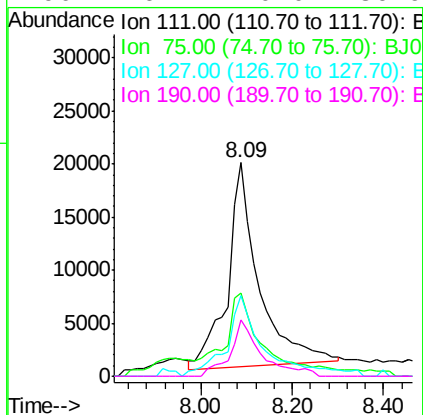
#14
 p-Chlorophenylmethylsulfone
 Concen: 0.45 ug/mL
 RT: 8.09 min Scan# 404
 Delta R.T. 0.03 min
 Lab File: BJ001108.D
 Acq: 11 Sep 2012 14:45

Instrument :
 BNA_J
 LabSampleId :
 CWA-1

Tgt Ion:	111	Resp:	92624
Ion Ratio	Lower	Upper	
111	100		
75	38.8	21.3	61.3
127	37.8	16.0	56.0
190	26.4	0.0	36.9

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Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
 Data File : BJ001108.D
 Acq On : 11 Sep 2012 14:45
 Operator : HLM
 Sample : CWA-1
 Misc : CWA STD BNA_J HLM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_J
 LabSampleId :
 CWA-1

Manual Integrations
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Quant Time: Sep 20 04:56:58 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Sep 11 15:29:36 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.60	152	311140	2.00	ug/mL	0.00
6) Naphthalene-d8	5.89	136	1301482	2.00	ug/mL	0.00

System Monitoring Compounds						
10) Tripropylphosphate	6.96	99	54407	0.11	ug/mL	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	22.00%#
12) 2-Bromothioanisole	7.20	204	50732	0.50	ug/mL	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	10.00%#

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.46	94	36636	0.31	ug/mL	78
4) DIMP	4.86	97	20660m	0.09	ug/mL	
5) 1,4-Oxathiane	3.58	46	31026	0.21	ug/mL#	52
7) 1,4-Dithiane	5.04	46	27691	0.23	ug/mL	96
8) Thiodiglycol	6.17	61	217123m	2.09	ug/mL	
9) Benzothiazole	6.24	135	172804m	0.52	ug/mL	
11) p-Chlorophenylmethyldisulfid	6.46	158	106978	0.52	ug/mL	93
13) p-Chlorophenylmethyldisulfox	7.93	159	66979m	0.60	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.09	111	92624	0.45	ug/mL	93

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