

Data Path : Z:\HPCHEM1\BNA_L\data\BL021612\
 Data File : BL000572.D
 Acq On : 16 Feb 2012 17:08
 Operator : HLM
 Sample : D1393-03
 Misc : SOIL BNA_L HLM
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 20 06:52:22 2012
 Quant Method : H:\VOL1\GCMSDATA\L\METHODS\BL021512.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Feb 17 10:01:50 2012
 Response via : Initial Calibration

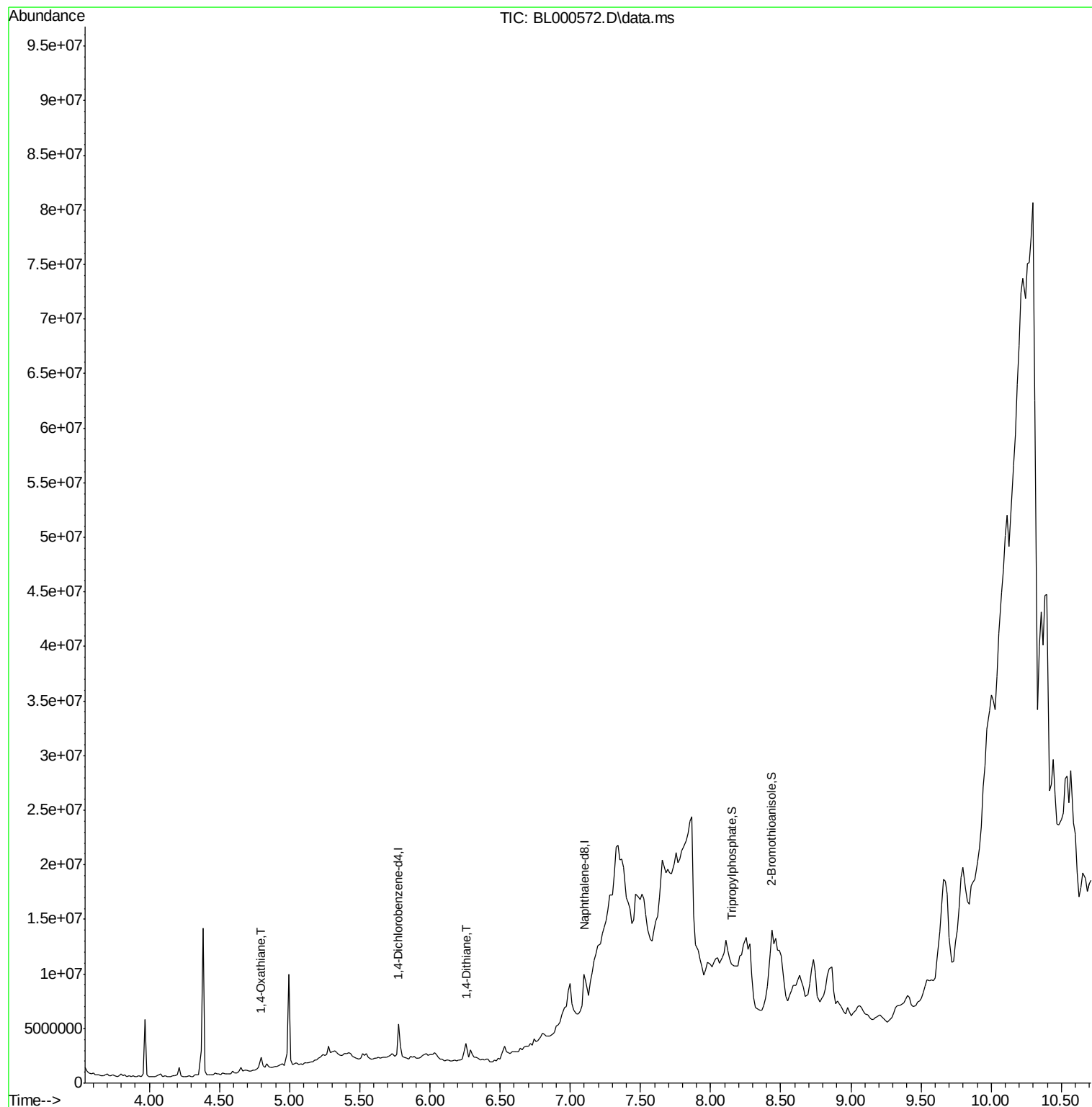
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

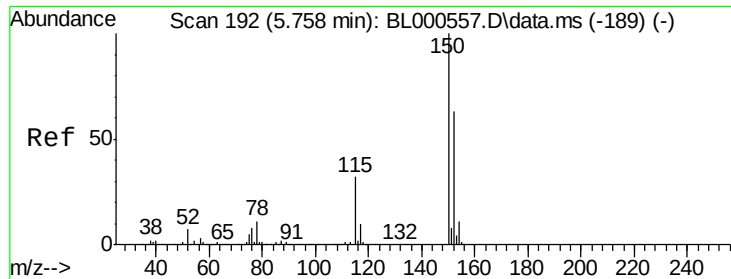
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.775	152	795820	2.00	ug/mL	0.02
6) Naphthalene-d8	7.098	136	2506775	2.00	ug/mL	0.02
System Monitoring Compounds						
10) Tripropylphosphate	8.151	99	234141m	0.33	ug/mL	0.05
Spiked Amount 0.500	Range 70 - 130		Recovery	=	66.00%#	
12) 2-Bromothioanisole	8.436	204	809795	5.04	ug/mL	0.03
Spiked Amount 5.000	Range 70 - 130		Recovery	=	100.80%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	0.000		0	N.D.	d	
3) DMMP	0.000		0	N.D.	d	
4) DIMP	0.000		0	N.D.	d	
5) 1,4-Oxathiane	4.794	46	281303	0.66	ug/mL	86
7) 1,4-Dithiane	6.259	46	285038	1.20	ug/mL	96
8) Thiodiglycol	0.000		0	N.D.	d	
9) Benzothiazole	0.000		0	N.D.	d	
11) p-Chlorophenylmethyisu...	0.000		0	N.D.	d	
13) p-Chlorophenylmethyisu...	0.000		0	N.D.	d	
14) p-Chlorophenylmethyisu...	0.000		0	N.D.	d	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 5.775 min Scan# 158

Delta R.T. 0.019 min

Lab File: BL000572.D

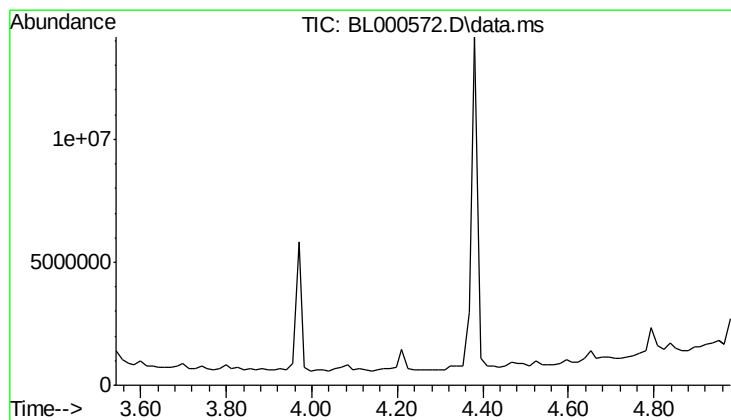
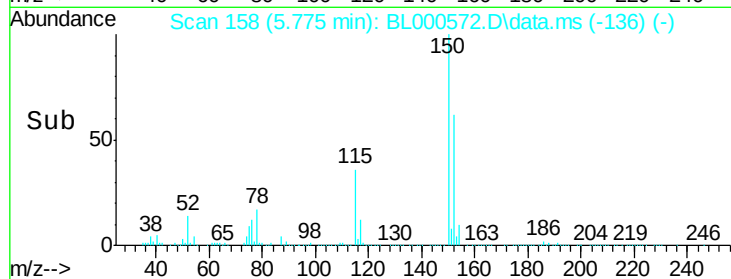
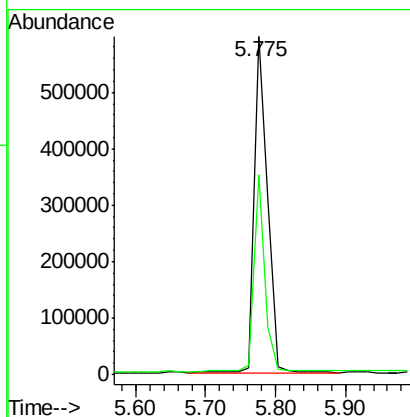
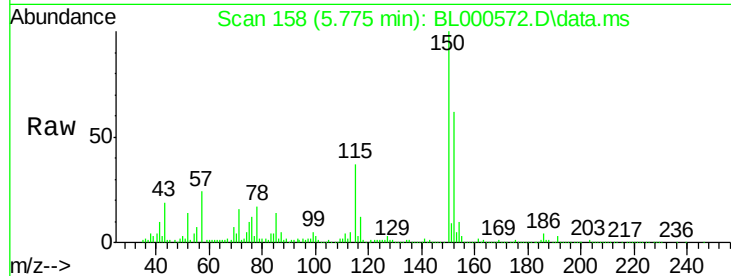
Acq: 16 Feb 2012 17:08

Tgt Ion:152 Resp: 795820

Ion Ratio Lower Upper

152 100

115 59.1 32.2 72.2



#2

Dimethyl Disulfide

Concen: N.D.

Expected RT: 3.68 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

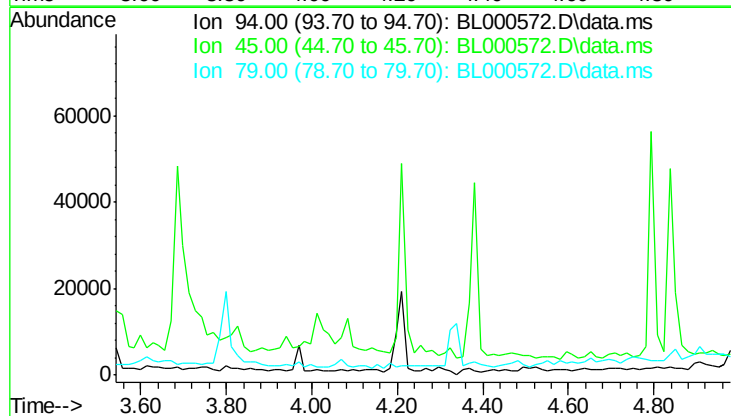
Tgt Ion: 94

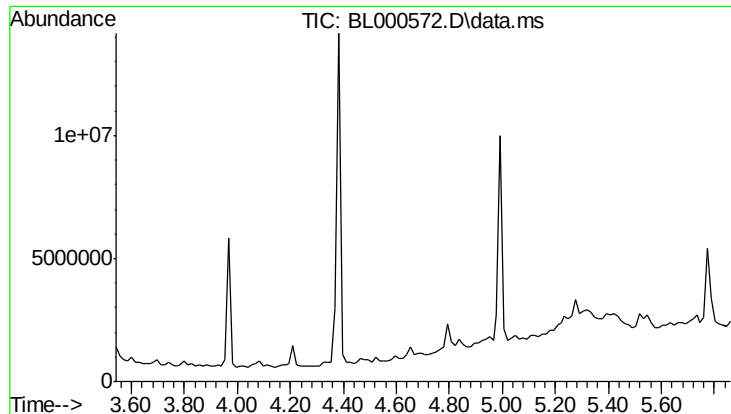
Sig Exp Ratio

94 100

45 24.8

79 42.7





#3

DMMP

Concen: N.D.

Expected RT: 4.56 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

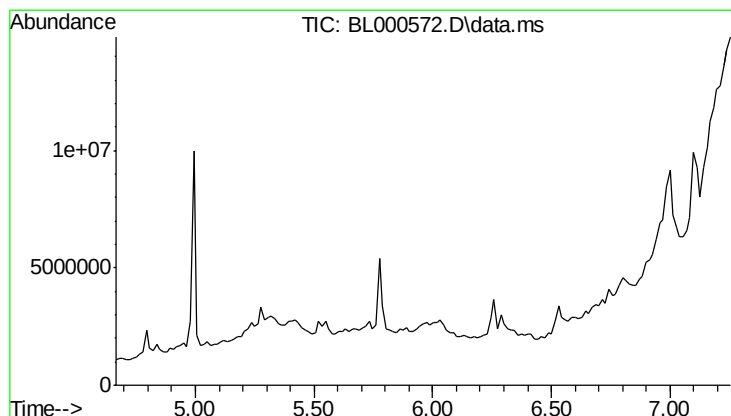
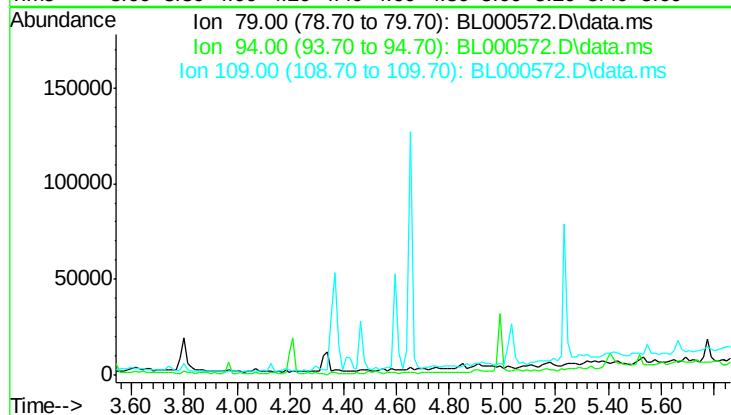
Tgt Ion: 79

Sig Exp Ratio

79 100

94 130.0

109 57.7



#4

DIMP

Concen: N.D.

Expected RT: 5.96 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

Tgt Ion: 97

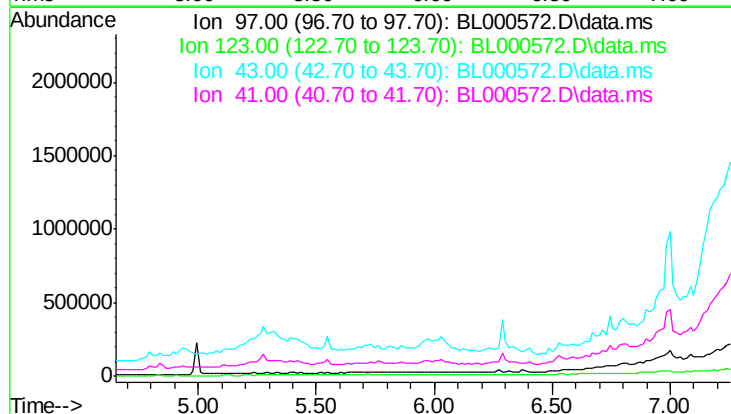
Sig Exp Ratio

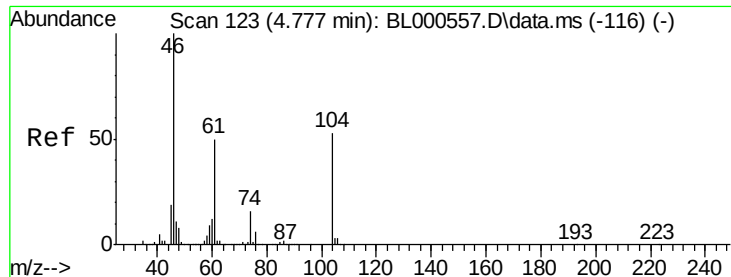
97 100

123 53.3

43 20.8

41 9.2





#5

1,4-Oxathiane

Concen: 0.66 ug/mL

RT: 4.794 min Scan# 89

Delta R.T. 0.048 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

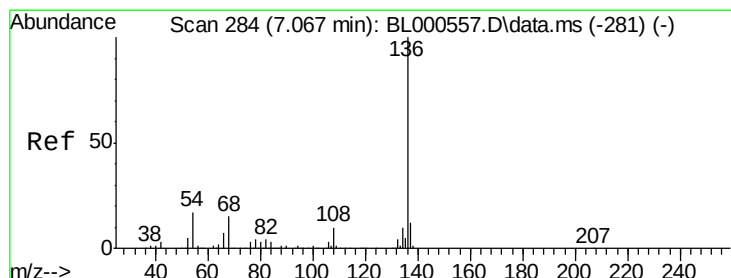
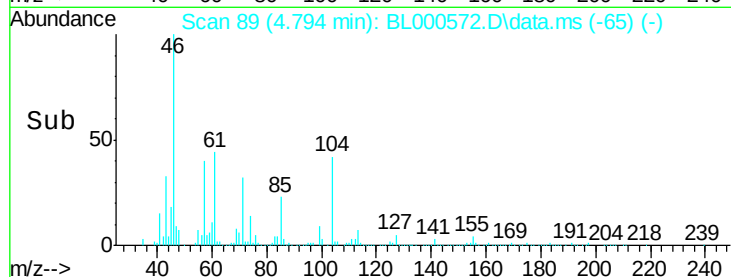
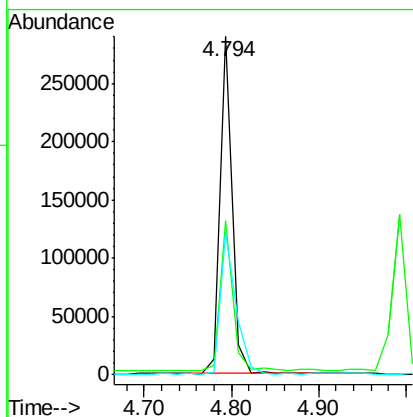
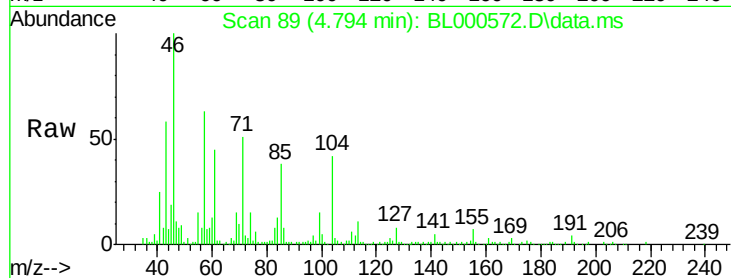
Tgt Ion: 46 Resp: 281303

Ion Ratio Lower Upper

46 100

61 45.4 20.5 60.5

104 42.1 10.5 50.5



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 7.098 min Scan# 251

Delta R.T. 0.019 min

Lab File: BL000572.D

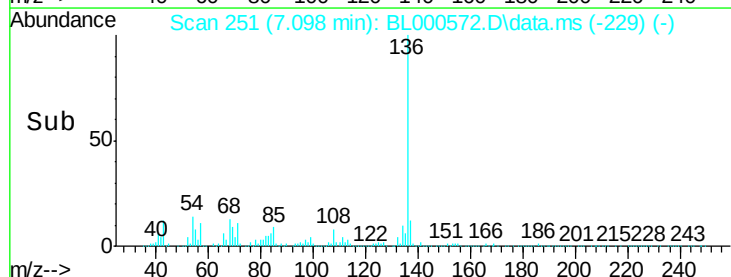
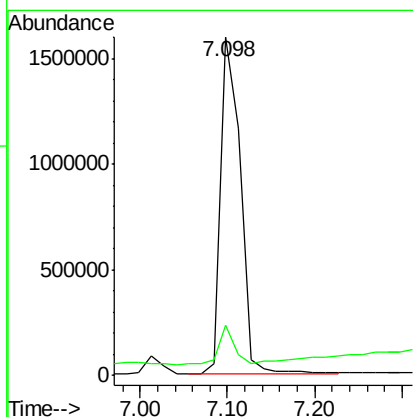
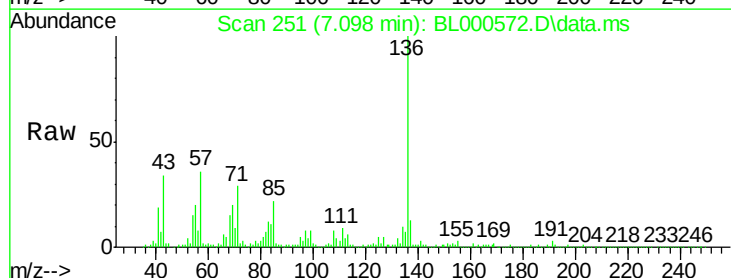
Acq: 16 Feb 2012 17:08

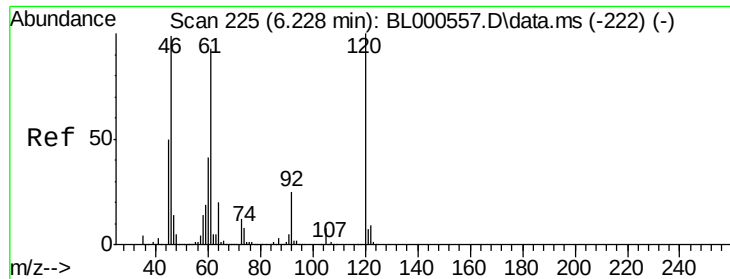
Tgt Ion: 136 Resp: 2506775

Ion Ratio Lower Upper

136 100

68 14.8 0.0 29.7





#7

1,4-Dithiane

Concen: 1.20 ug/mL

RT: 6.259 min Scan# 192

Delta R.T. 0.019 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

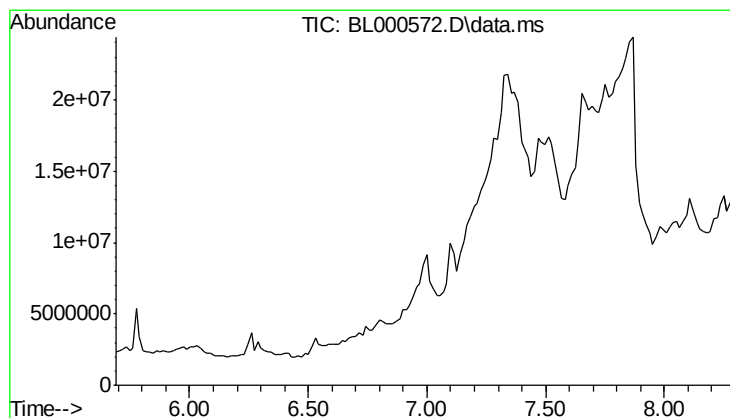
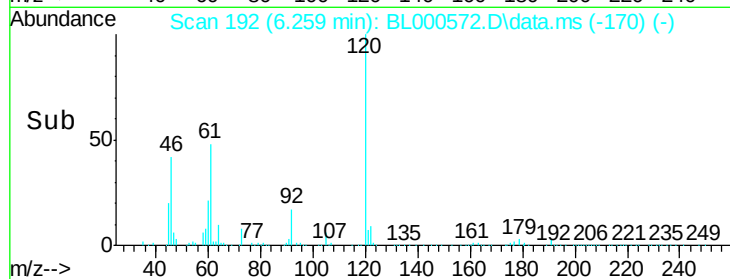
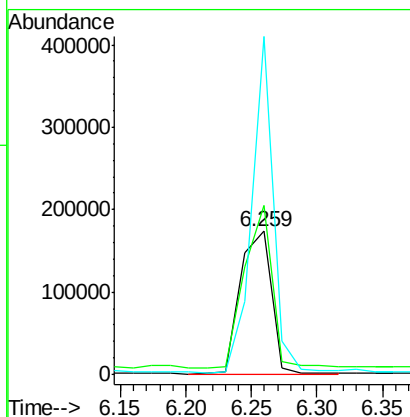
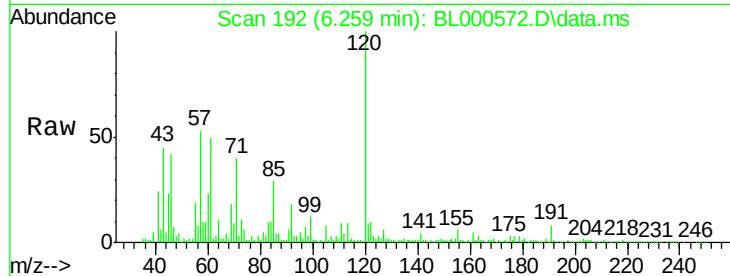
Tgt Ion: 46 Resp: 285038

Ion Ratio Lower Upper

46 100

61 117.8 92.6 132.6

120 236.3 223.6 263.6



#8

Thiodiglycol

Concen: N.D.

Expected RT: 6.98 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

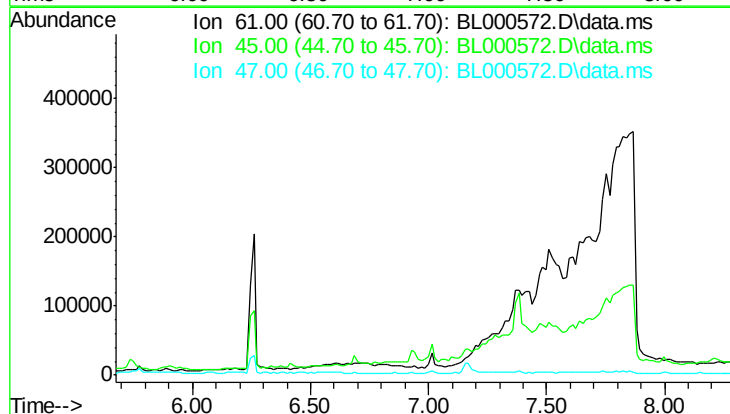
Tgt Ion: 61

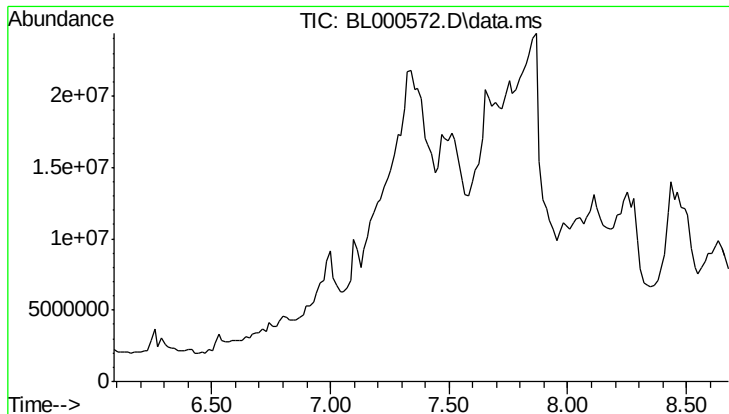
Sig Exp Ratio

61 100

45 69.8

47 27.9





#9

Benzothiazole

Concen: N.D.

Expected RT: 7.38 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

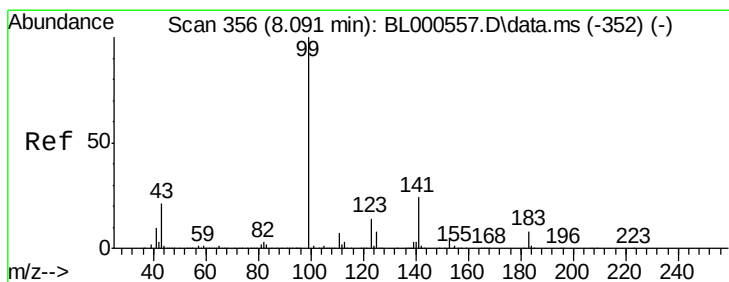
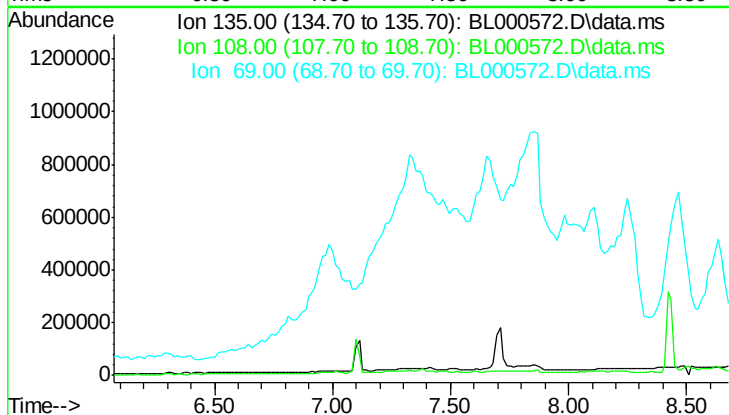
Tgt Ion: 135

Sig Exp Ratio

135 100

108 60.1

69 23.2



#10

Tripropylphosphate

Concen: 0.33 ug/mL m

RT: 8.151 min Scan# 325

Delta R.T. 0.048 min

Lab File: BL000572.D

Acq: 16 Feb 2012 17:08

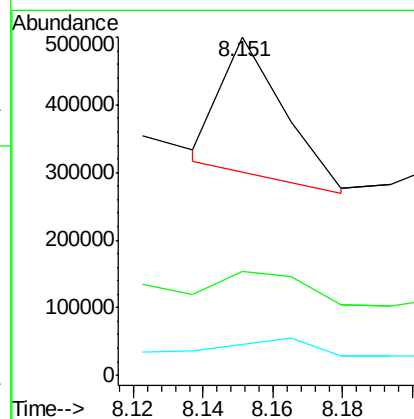
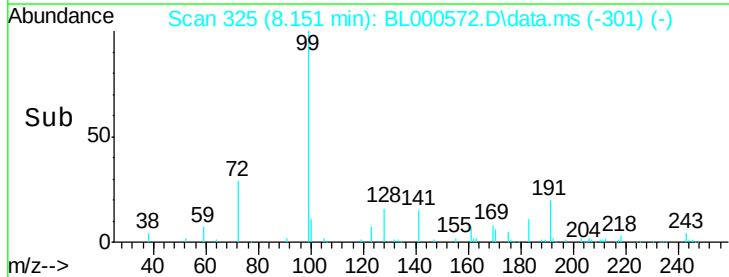
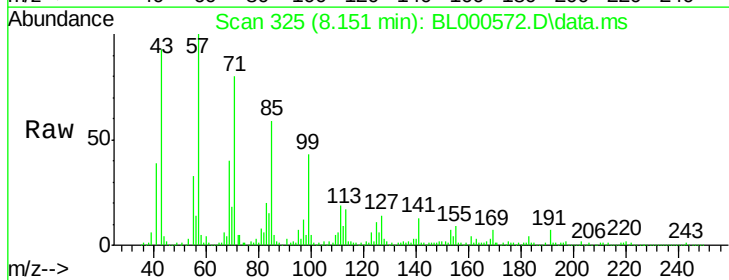
Tgt Ion: 99 Resp: 234141

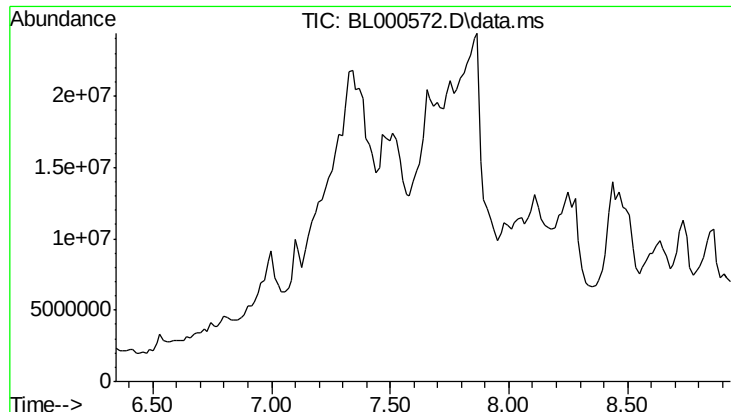
Ion Ratio Lower Upper

99 100

141 277.7 19.2 28.8#

183 54.8 7.8 11.8#

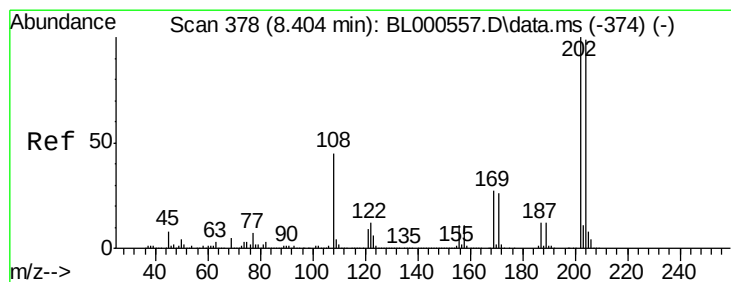
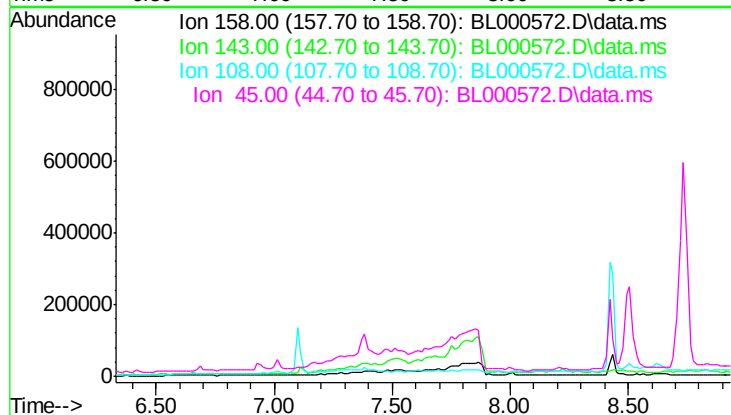




#11
 p-Chlorophenylmethylsulfide
 Concen: N.D.
 Expected RT: 7.63 min

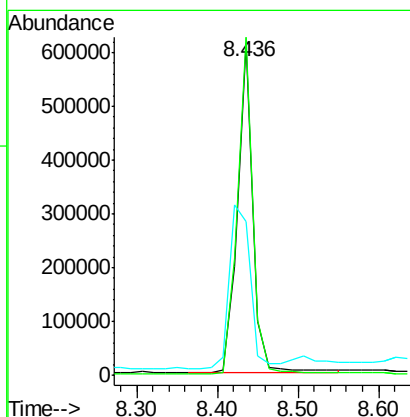
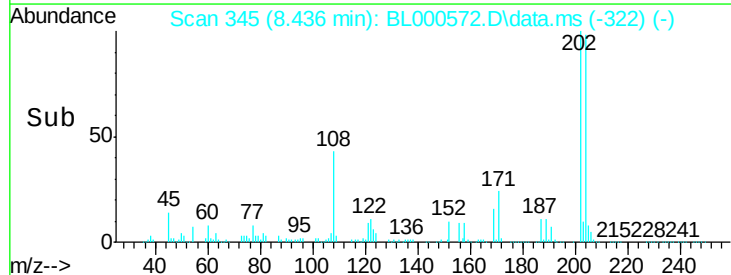
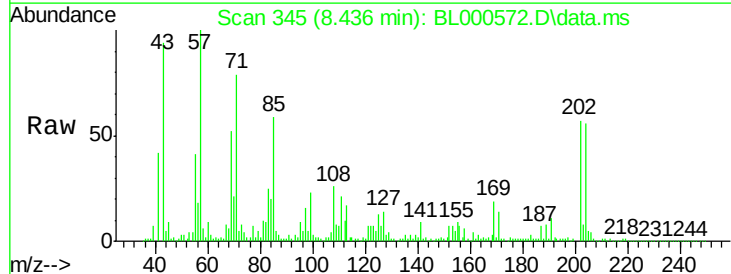
Lab File: BL000572.D
 Acq: 16 Feb 2012 17:08

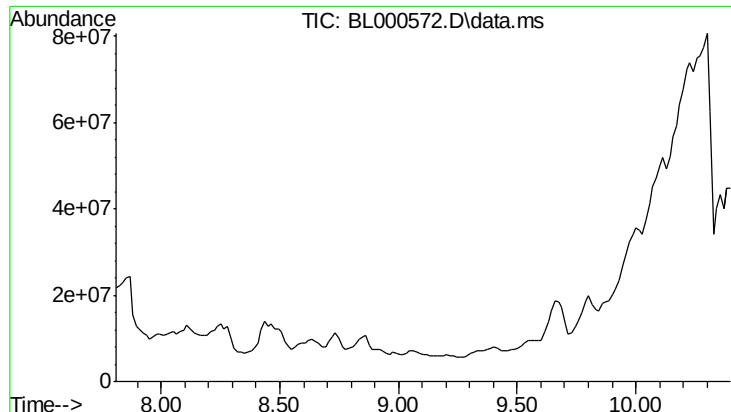
Tgt Ion	Exp Ratio
158	100
143	45.2
108	20.2
45	3.9



#12
 2-Bromothioanisole
 Concen: 5.04 ug/mL
 RT: 8.436 min Scan# 345
 Delta R.T. 0.033 min
 Lab File: BL000572.D
 Acq: 16 Feb 2012 17:08

Tgt Ion	Ratio	Lower	Upper
204	100		
202	101.9	82.6	122.6
108	46.4	101.9	141.9

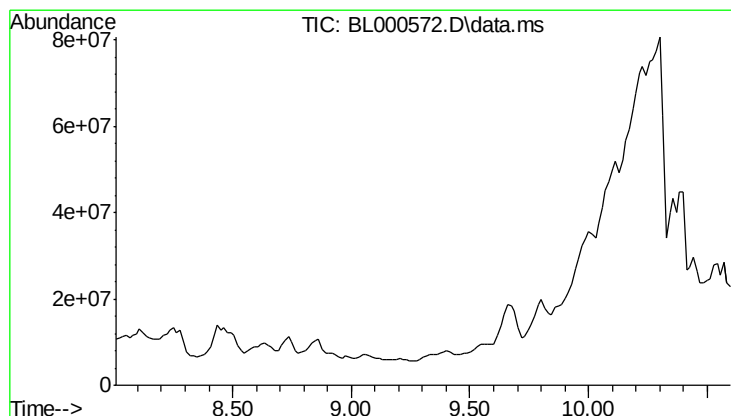
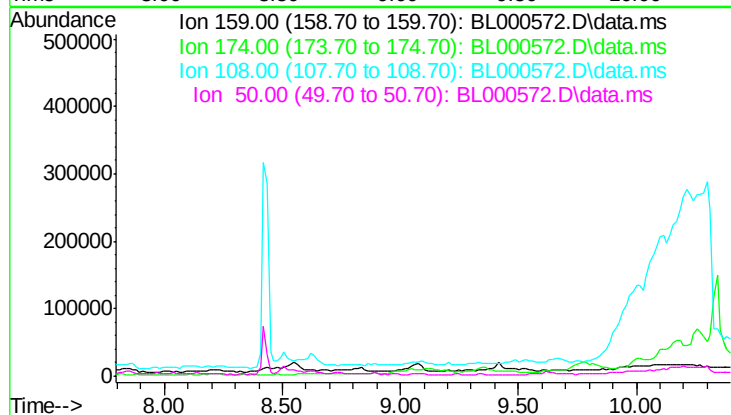




#13
 p-Chlorophenylmethylsulfoxide
 Concen: N.D.
 Expected RT: 9.10 min

Lab File: BL000572.D
 Acq: 16 Feb 2012 17:08

Tgt Ion	Exp Ratio
159	100
174	50.8
108	7.0
50	12.6



#14
 p-Chlorophenylmethylsulfone
 Concen: N.D.
 Expected RT: 9.30 min

Lab File: BL000572.D
 Acq: 16 Feb 2012 17:08

Tgt Ion	Exp Ratio
111	100
75	28.0
127	43.3
190	28.7

