

Data Path : Z:\HPCHEM1\BNA_L\data\BL021612\
 Data File : BL000571.D
 Acq On : 16 Feb 2012 16:50
 Operator : HLM
 Sample : D1393-02
 Misc : SOIL BNA_L HLM
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 20 06:52:16 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

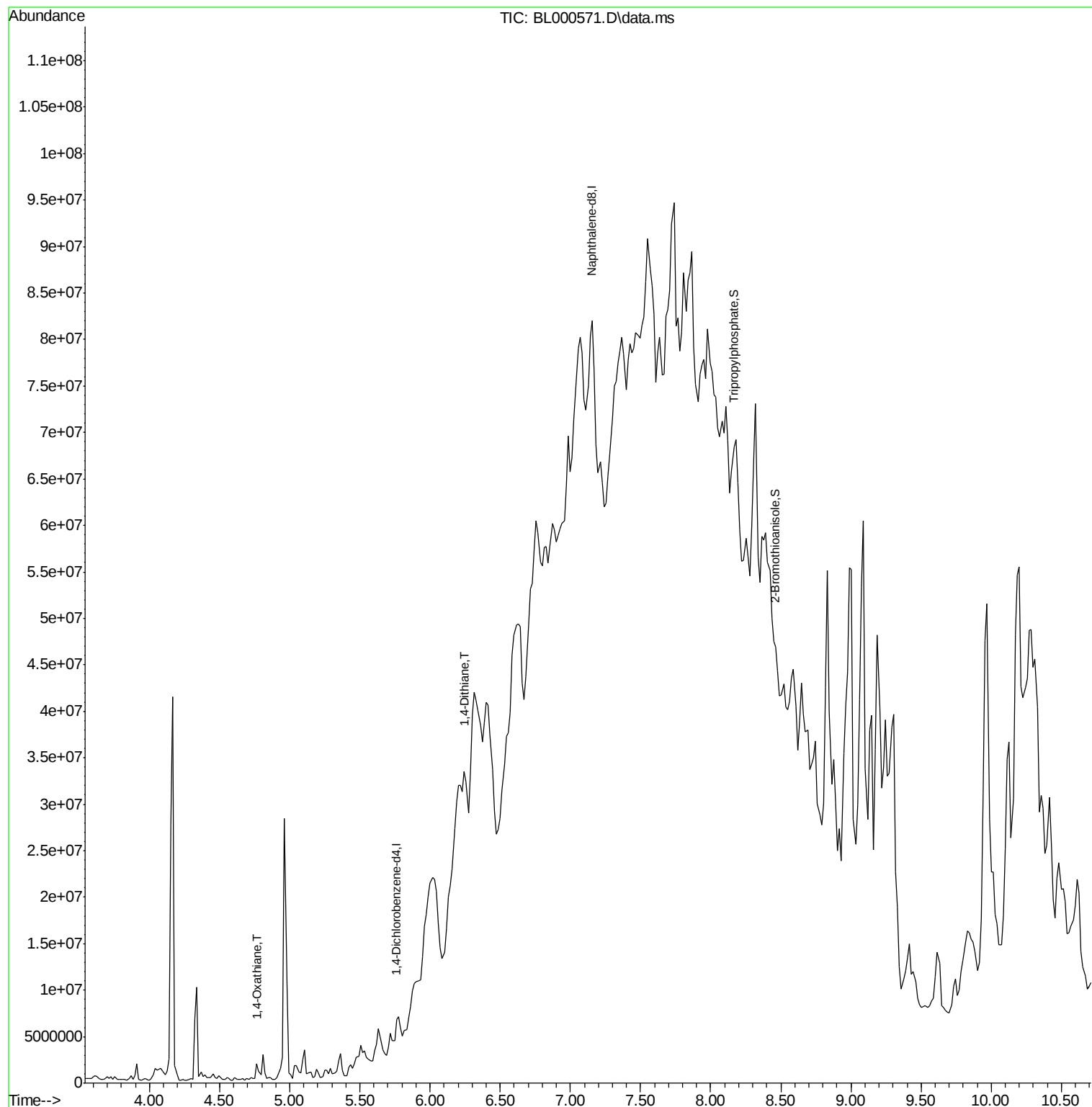
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

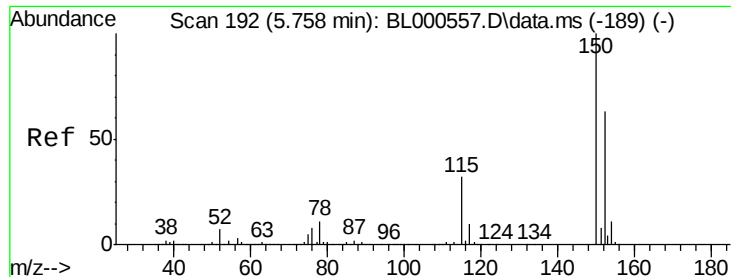
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.761	152	854381	2.00	ug/mL	0.00
6) Naphthalene-d8	7.155	136	3053380	2.00	ug/mL	0.08
System Monitoring Compounds						
10) Tripropylphosphate	8.165	99	529123m	0.61	ug/mL	0.06
Spiked Amount 0.500	Range 70 - 130		Recovery	=	122.00%	
12) 2-Bromothioanisole	8.464	204	635629	3.25	ug/mL	0.06
Spiked Amount 5.000	Range 70 - 130		Recovery	=	65.00%#	
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	4.765	46	204490	0.45	ug/mL#	57
7) 1,4-Dithiane	6.244	46	1635665	5.66	ug/mL#	71
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: 5.761 min Scan# 157

Delta R.T. 0.005 min

Lab File: BL000571.D

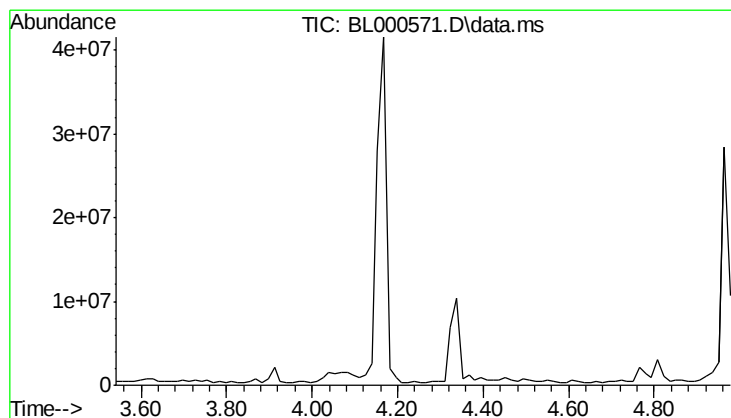
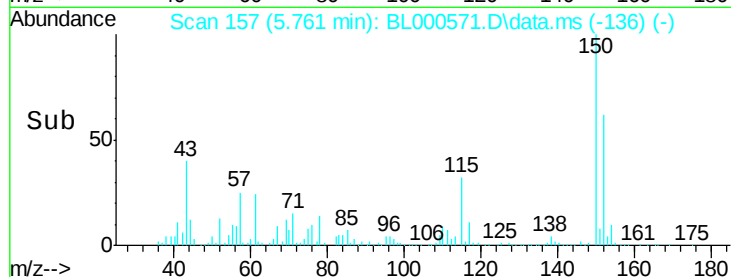
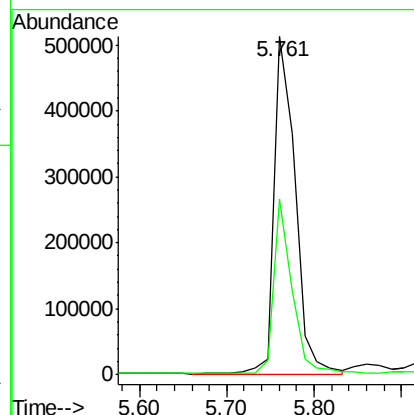
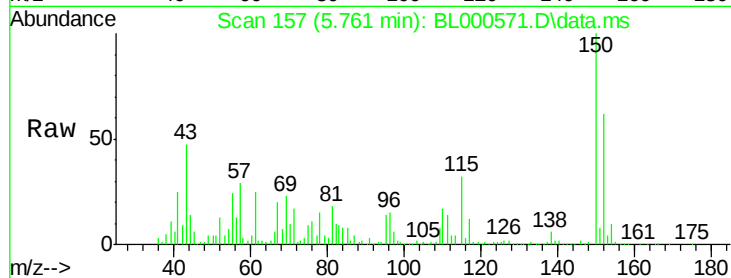
Acq: 16 Feb 2012 16:50

Tgt Ion:152 Resp: 854381

Ion Ratio Lower Upper

152 100

115 52.1 32.2 72.2



#2

Dimethyl Disulfide

Concen: N.D.

Expected RT: 3.68 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

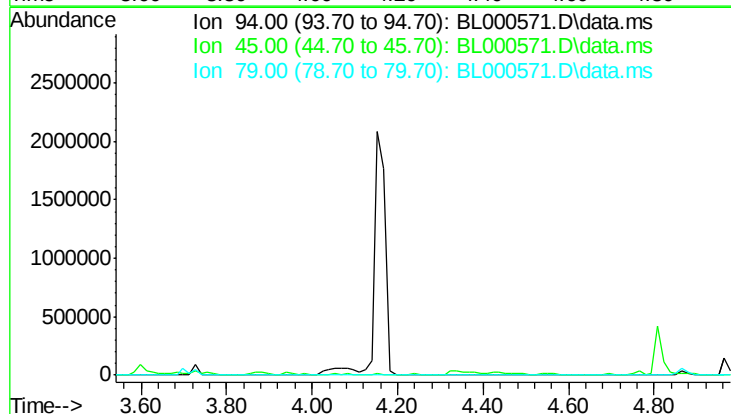
Tgt Ion: 94

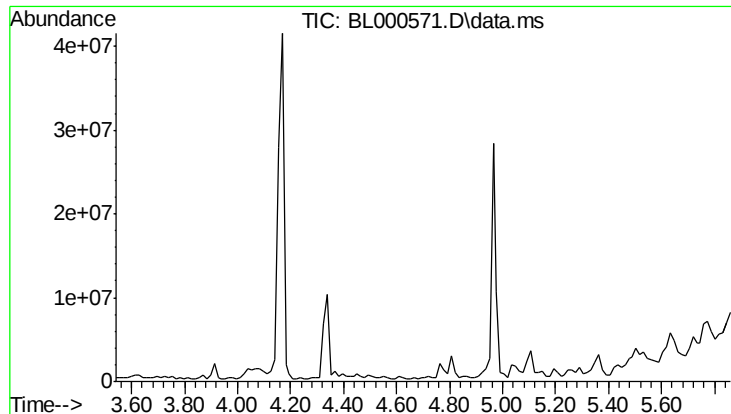
Sig Exp Ratio

94 100

45 24.8

79 42.7





#3

DMMP

Concen: N.D.

Expected RT: 4.56 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

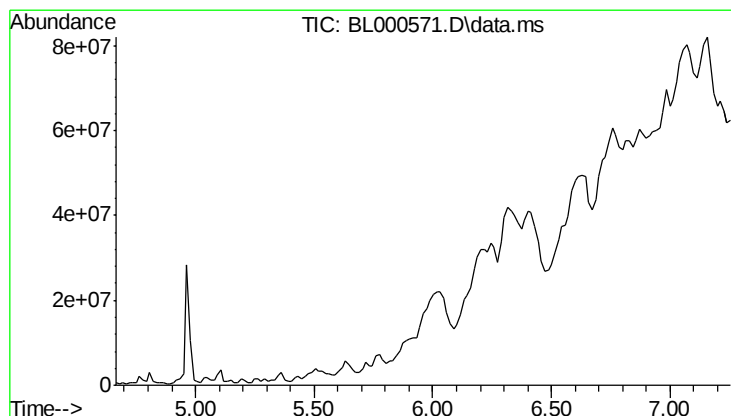
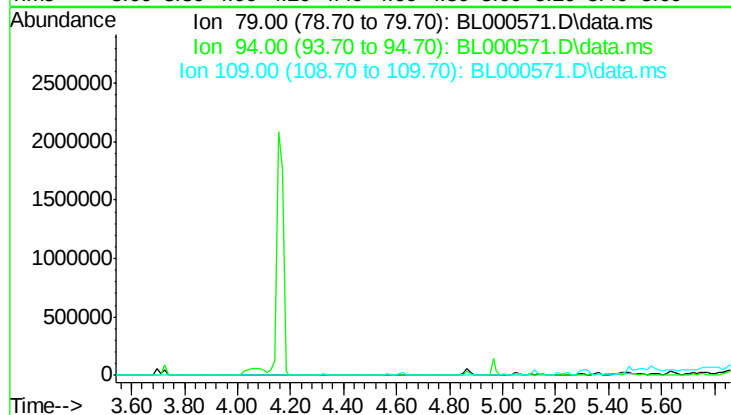
Tgt Ion: 79

Sig Exp Ratio

79 100

94 130.0

109 57.7



#4

DIMP

Concen: N.D.

Expected RT: 5.96 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

Tgt Ion: 97

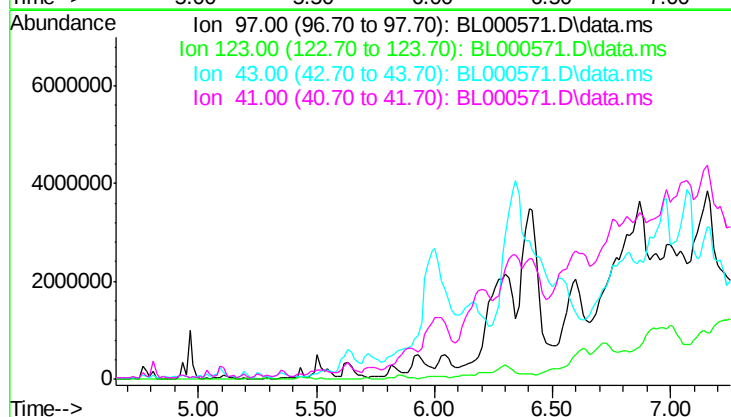
Sig Exp Ratio

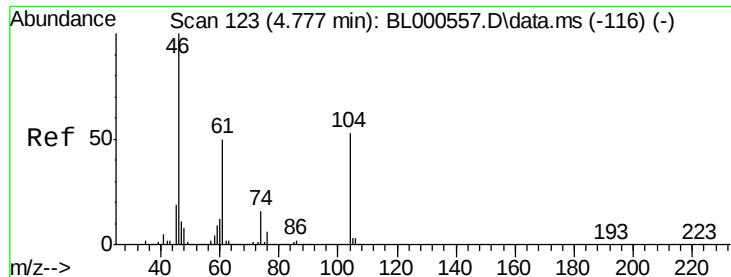
97 100

123 53.3

43 20.8

41 9.2





#5

1,4-Oxathiane

Concen: 0.45 ug/mL

RT: 4.765 min Scan# 87

Delta R.T. 0.019 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

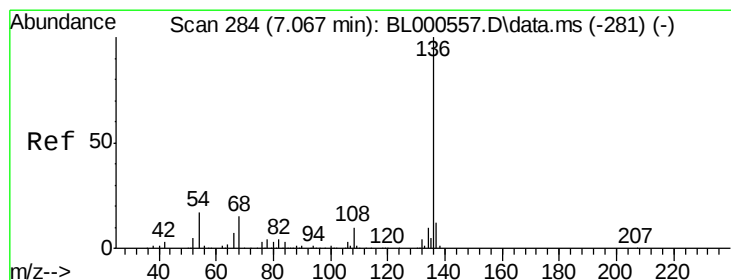
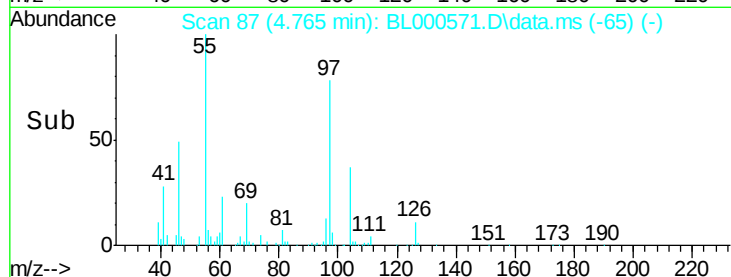
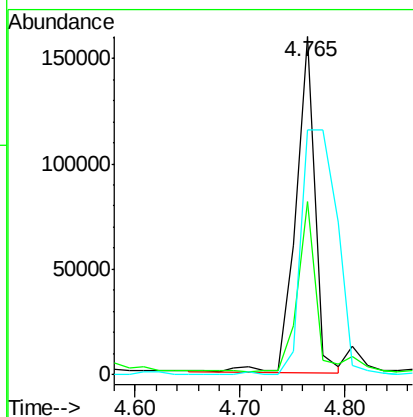
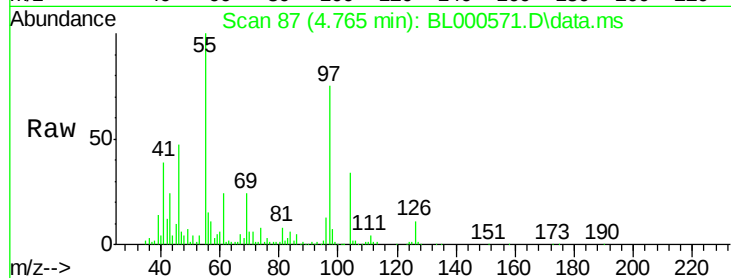
Tgt Ion: 46 Resp: 204490

Ion Ratio Lower Upper

46 100

61 51.0 20.5 60.5

104 72.5 10.5 50.5#



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 7.155 min Scan# 255

Delta R.T. 0.076 min

Lab File: BL000571.D

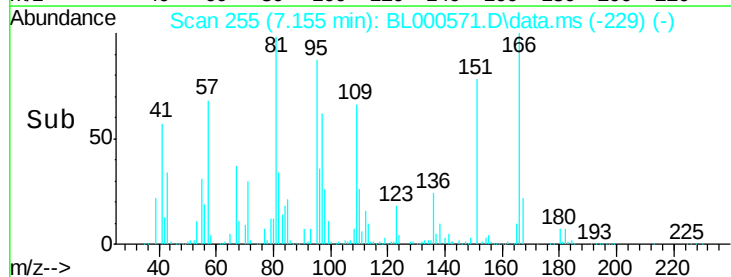
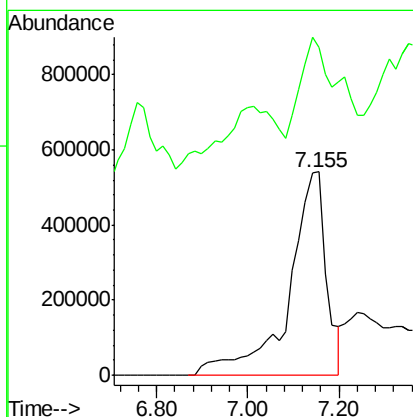
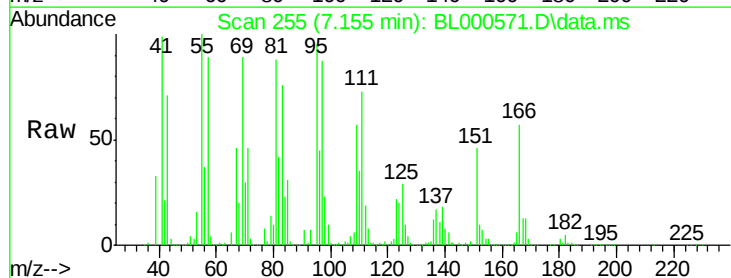
Acq: 16 Feb 2012 16:50

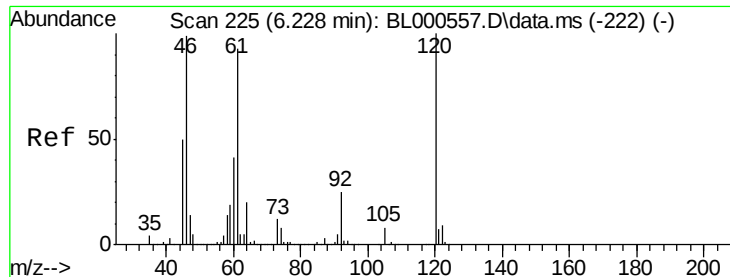
Tgt Ion: 136 Resp: 3053380

Ion Ratio Lower Upper

136 100

68 161.5 0.0 29.7#





#7

1,4-Dithiane

Concen: 5.66 ug/mL

RT: 6.244 min Scan# 191

Delta R.T. 0.005 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

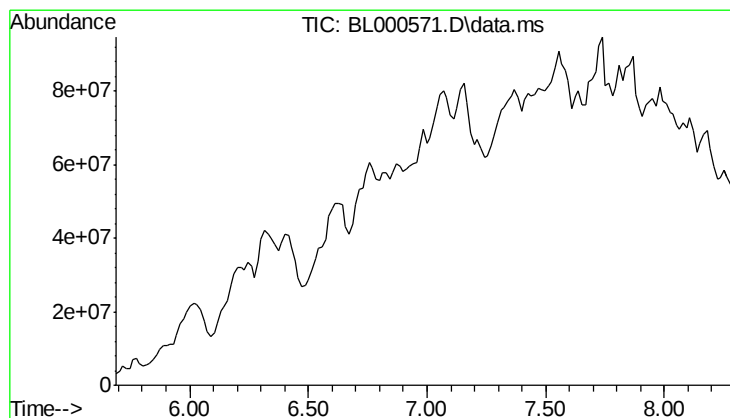
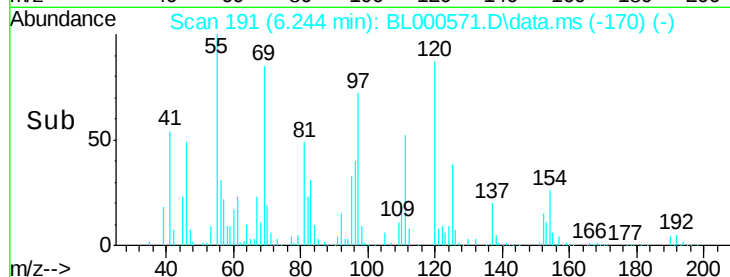
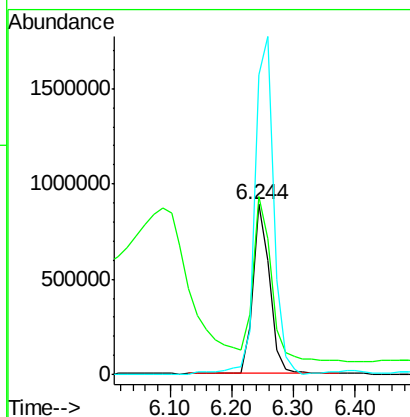
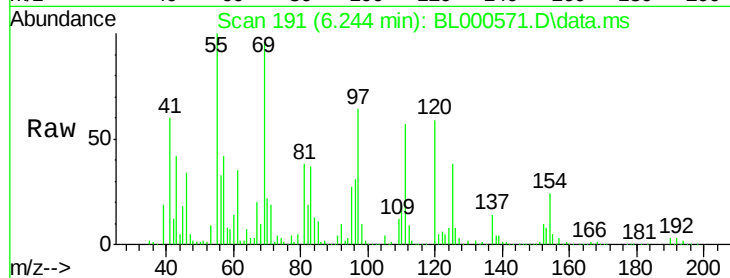
Tgt Ion: 46 Resp: 1635665

Ion Ratio Lower Upper

46 100

61 104.8 92.6 132.6

120 176.2 223.6 263.6#



#8

Thiodiglycol

Concen: N.D.

Expected RT: 6.98 min

Lab File: BL000571.D

Acq: 16 Feb 2012 16:50

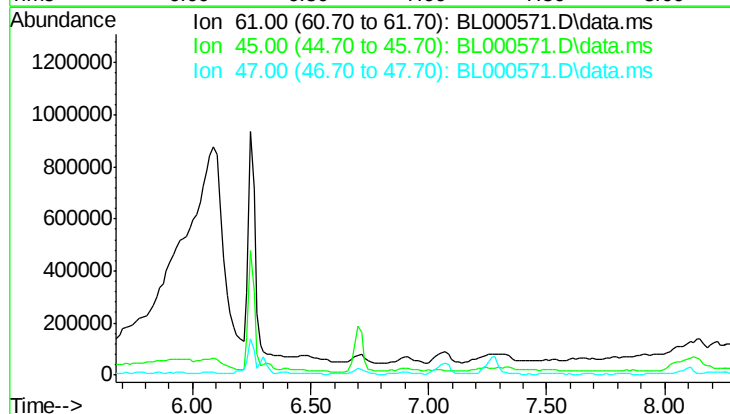
Tgt Ion: 61

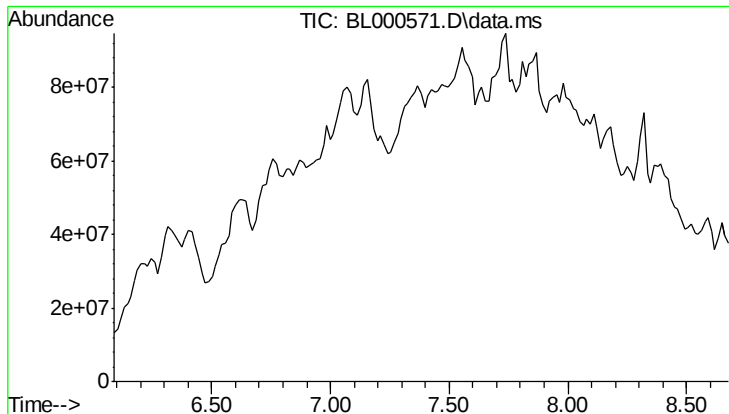
Sig Exp Ratio

61 100

45 69.8

47 27.9

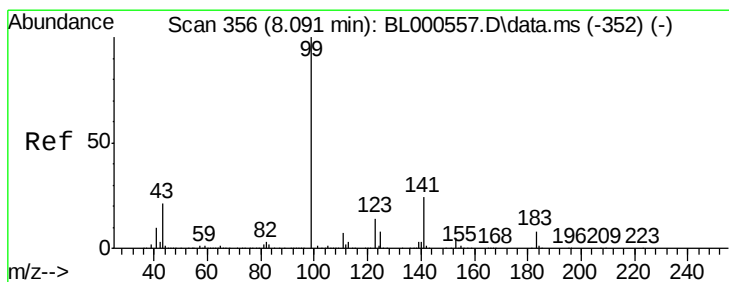
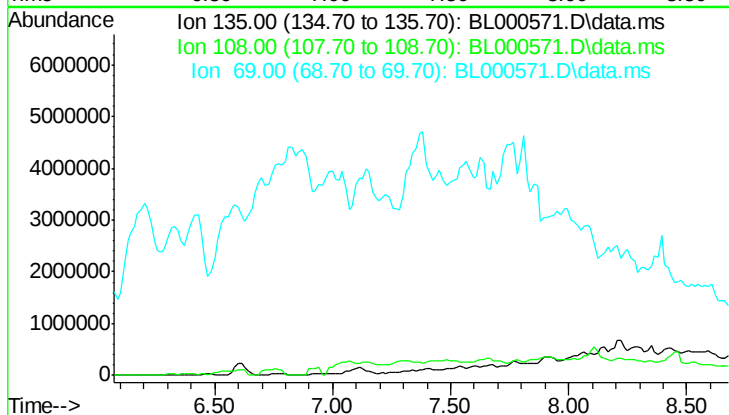




#9
Benzothiazole
Concen: N.D.
Expected RT: 7.38 min

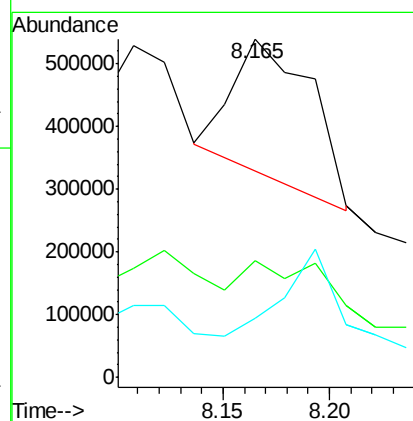
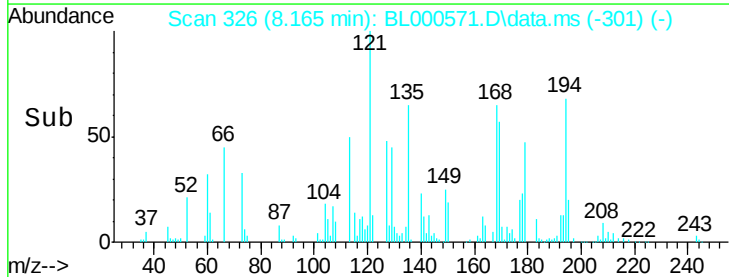
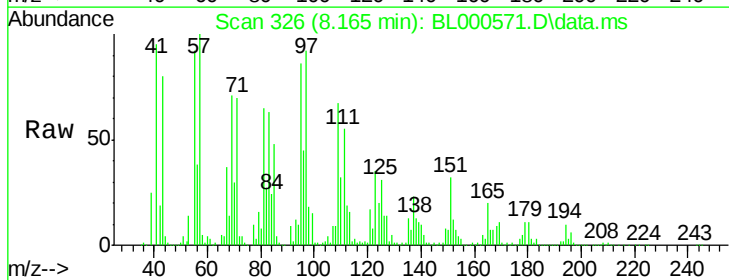
Lab File: BL000571.D
Acq: 16 Feb 2012 16:50

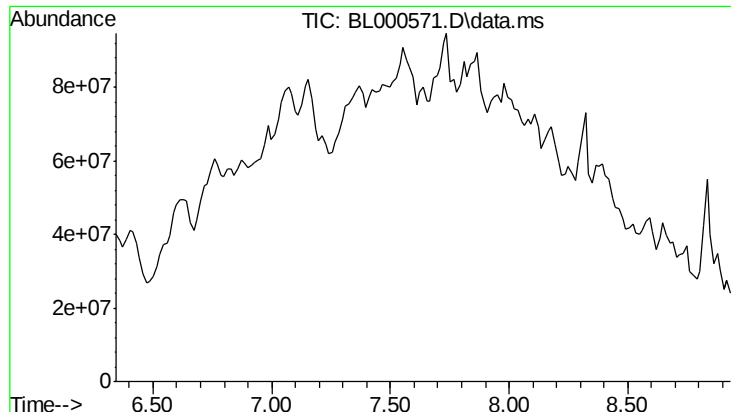
Tgt Ion	Exp Ratio
135	100
108	60.1
69	23.2



#10
Tripropylphosphate
Concen: 0.61 ug/mL m
RT: 8.165 min Scan# 326
Delta R.T. 0.062 min
Lab File: BL000571.D
Acq: 16 Feb 2012 16:50

Tgt Ion	Ratio	Lower	Upper
99	100		
141	52.1	19.2	28.8#
183	67.3	7.8	11.8#

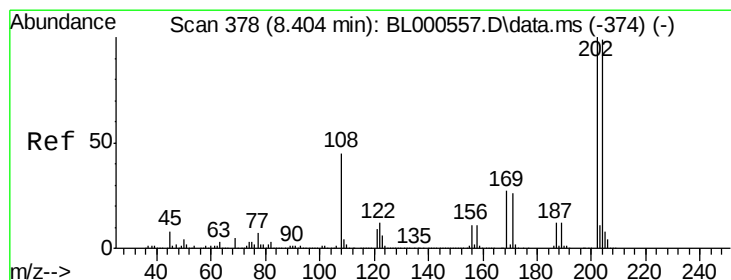
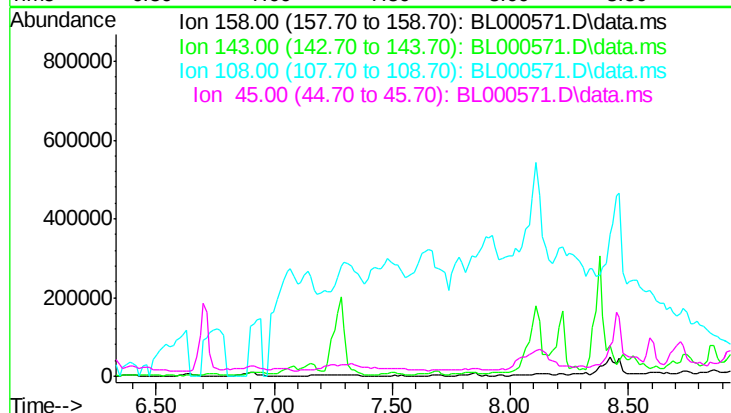




#11
 p-Chlorophenylmethylsulfide
 Concen: N.D.
 Expected RT: 7.63 min

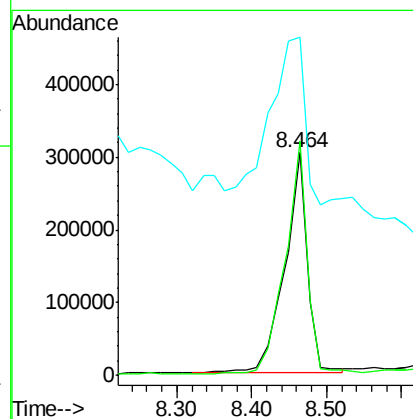
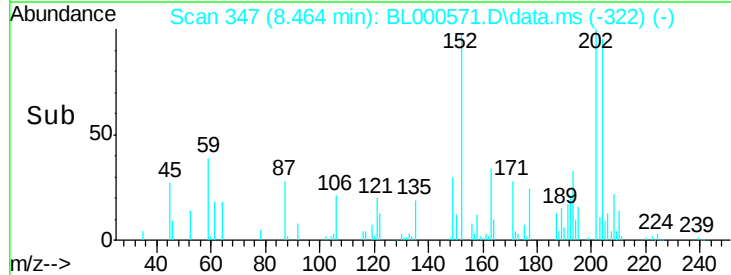
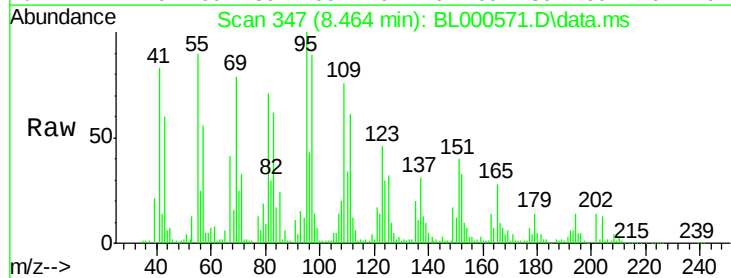
Lab File: BL000571.D
 Acq: 16 Feb 2012 16:50

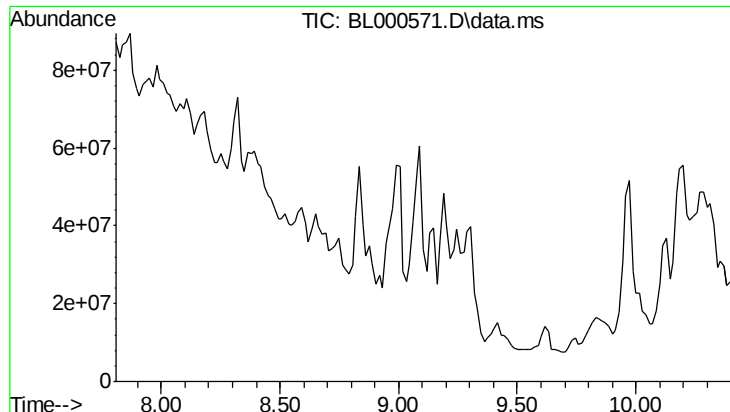
Tgt Ion	Exp Ratio
158	100
143	45.2
108	20.2
45	3.9



#12
 2-Bromothioanisole
 Concen: 3.25 ug/mL
 RT: 8.464 min Scan# 347
 Delta R.T. 0.061 min
 Lab File: BL000571.D
 Acq: 16 Feb 2012 16:50

Tgt Ion	Ratio	Lower	Upper
204	100		
202	105.3	82.6	122.6
108	152.1	101.9	141.9#

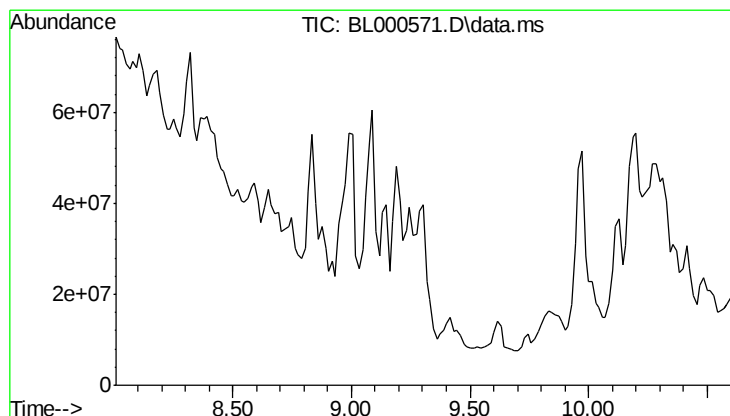
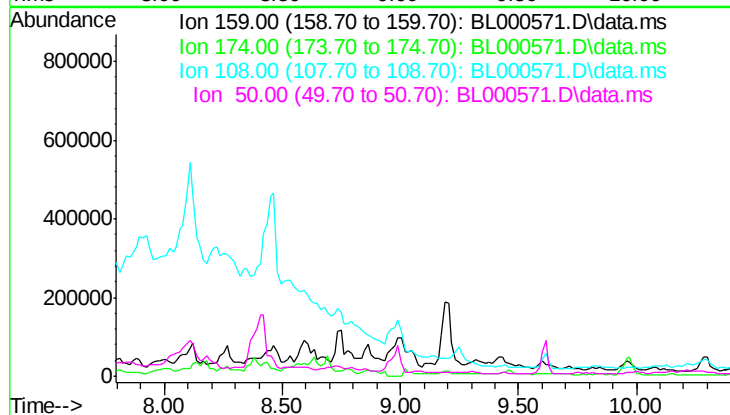




#13
p-Chlorophenylmethysulfoxide
Concen: N.D.
Expected RT: 9.10 min

Lab File: BL000571.D
Acq: 16 Feb 2012 16:50

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



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

Lab File: BL000571.D
Acq: 16 Feb 2012 16:50

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

