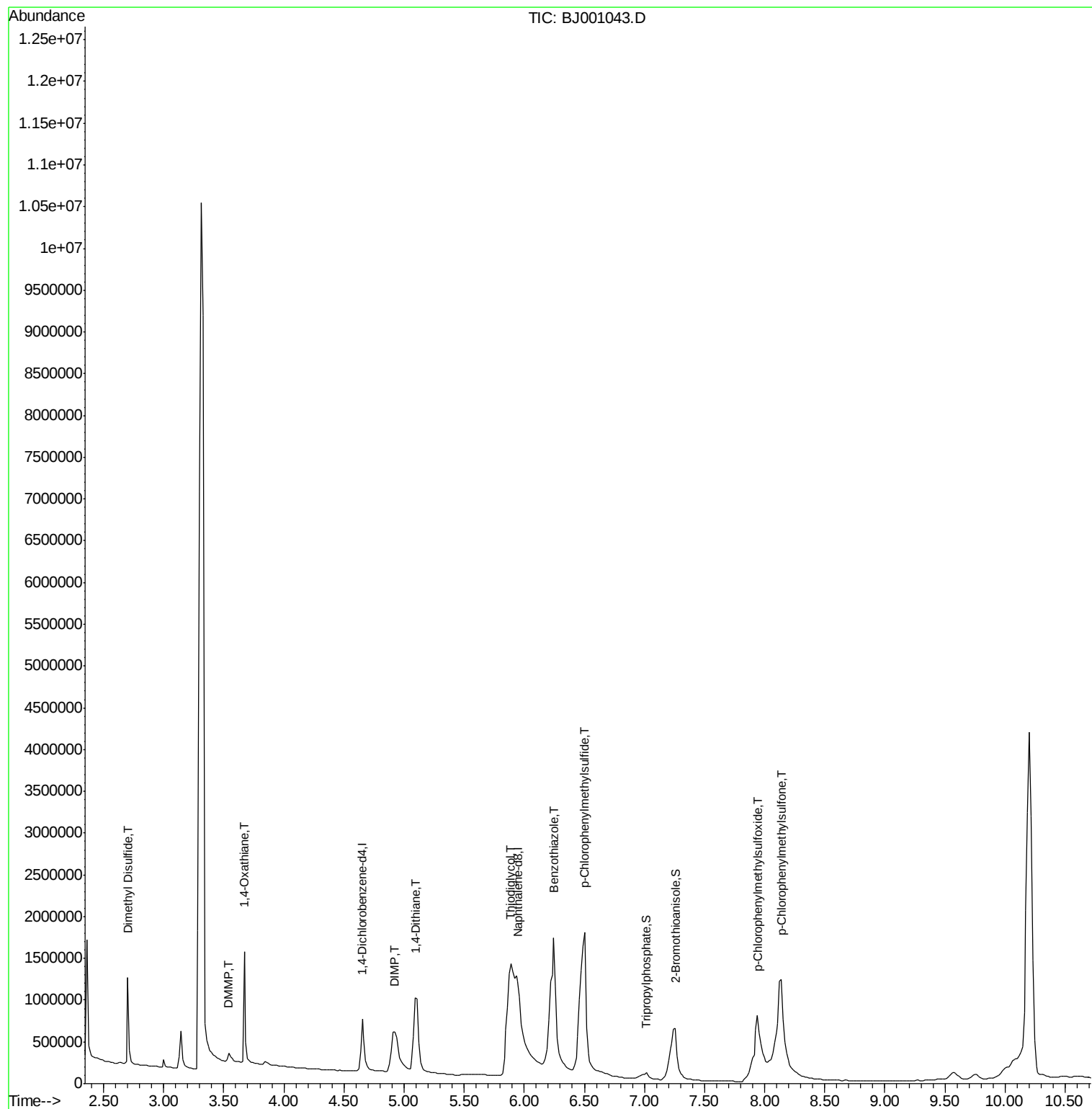
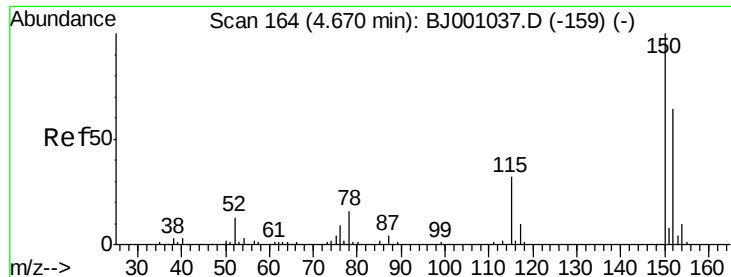


Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001043.D
Acq On : 20 Jul 2012 15:09
Operator : HLM
Sample : PB64247BS
Misc : WATER BNA_J HLM
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 21 05:00:55 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jul 20 14:08:00 2012
Response via : Initial Calibration

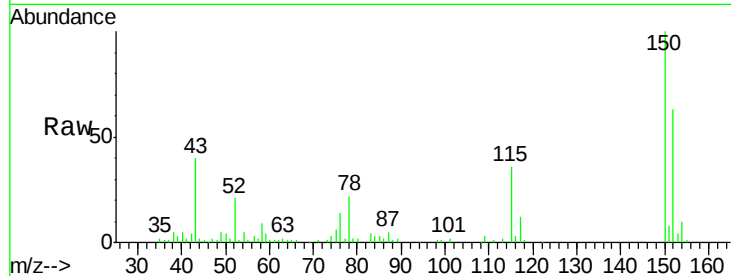




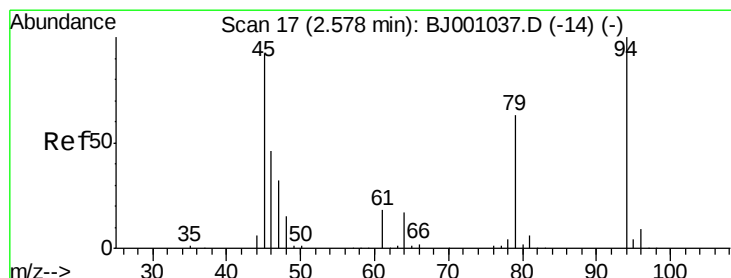
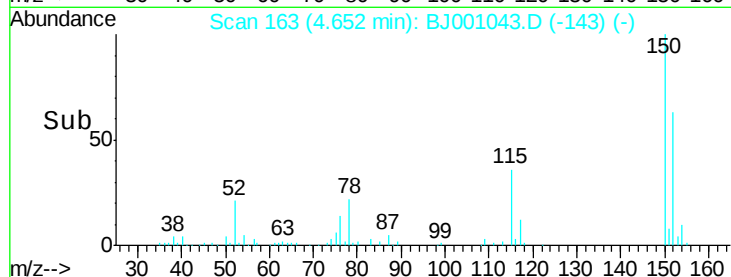
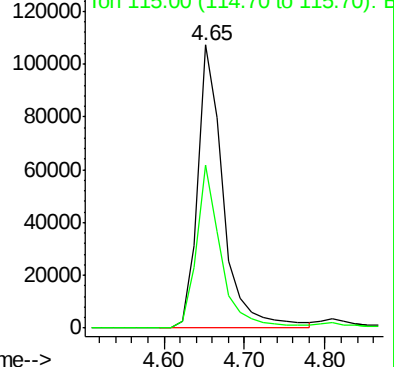
#1

1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.65 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: BJ001043.D
 Acq: 20 Jul 2012 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	69.0



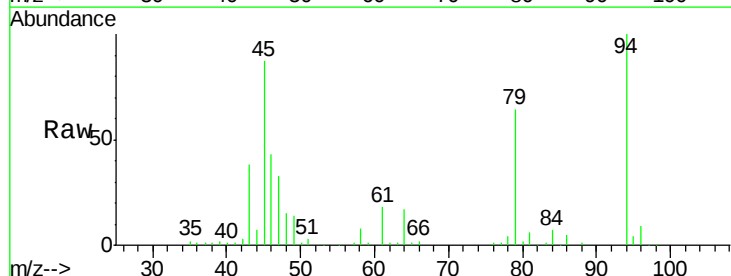
Abundance Ion 152.00 (151.70 to 152.70): B



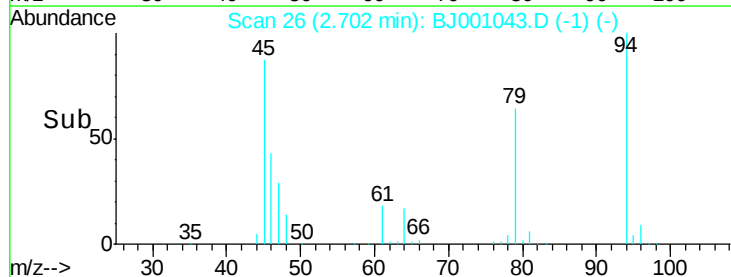
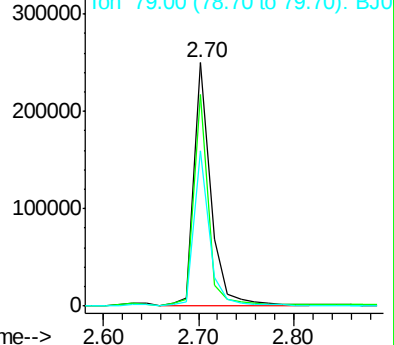
#2

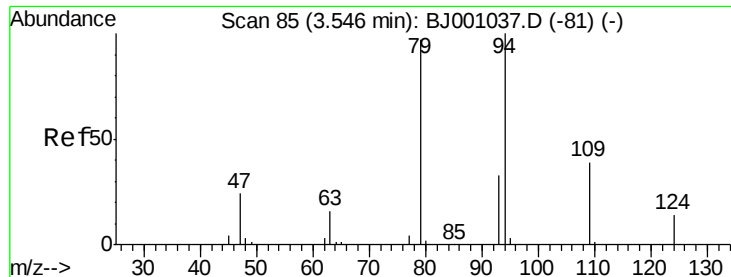
Dimethyl Disulfide
 Concen: 3.41 ug/mL
 RT: 2.70 min Scan# 26
 Delta R.T. 0.12 min
 Lab File: BJ001043.D
 Acq: 20 Jul 2012 15:09

Tgt Ion	Ratio	Lower	Upper
94	100		
45	86.9	75.2	115.2
79	63.6	43.1	83.1



Abundance Ion 94.00 (93.70 to 94.70): BJ0





#3

DMMP

Concen: 1.99 ug/mL m

RT: 3.54 min Scan# 85

Delta R.T. -0.00 min

Lab File: BJ001043.D

Acq: 20 Jul 2012 15:09

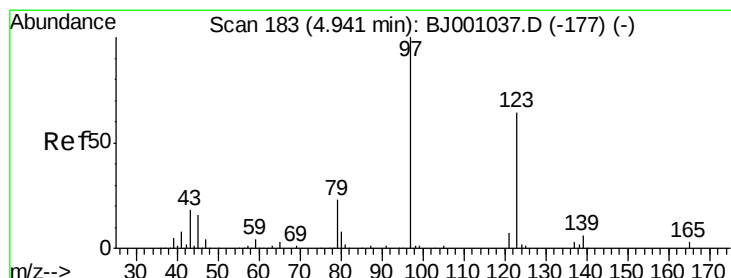
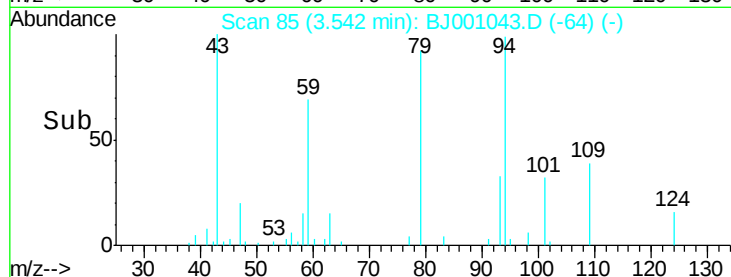
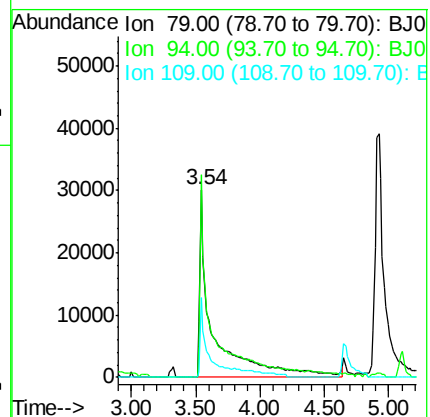
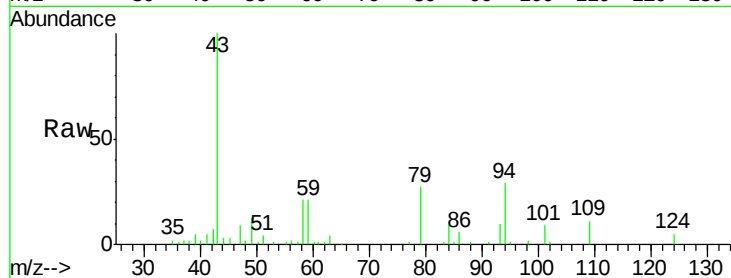
Tgt Ion: 79 Resp: 213048

Ion Ratio Lower Upper

79 100

94 108.0 83.0 123.0

109 42.4 20.0 60.0



#4

DIMP

Concen: 3.58 ug/mL

RT: 4.92 min Scan# 182

Delta R.T. -0.02 min

Lab File: BJ001043.D

Acq: 20 Jul 2012 15:09

Tgt Ion: 97 Resp: 790017

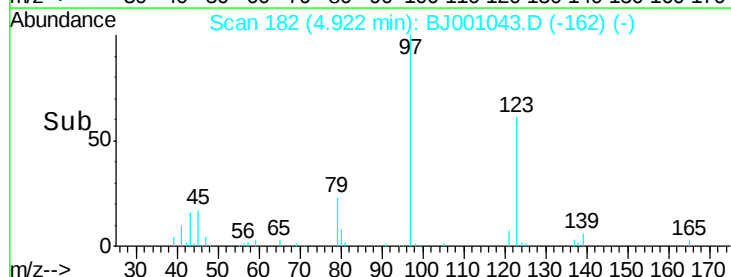
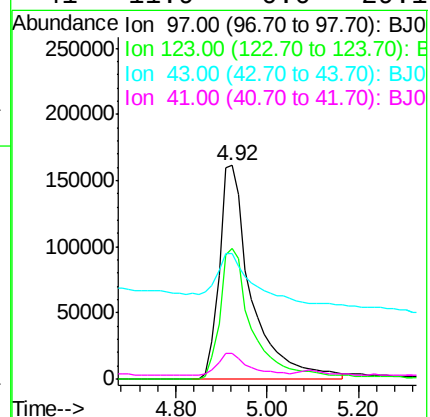
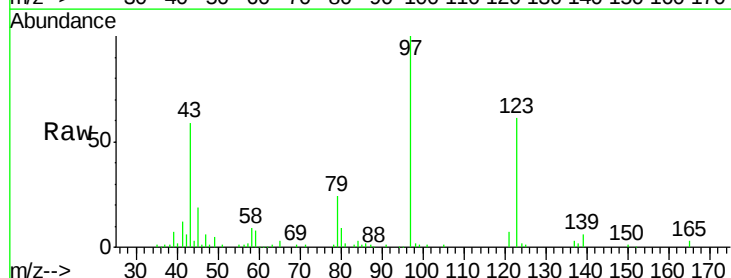
Ion Ratio Lower Upper

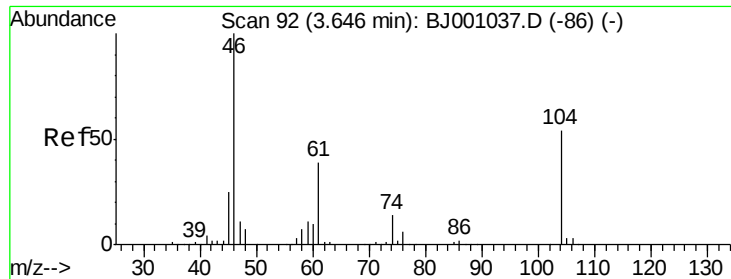
97 100

123 61.0 43.8 83.8

43 58.6 0.0 38.6#

41 11.9 0.0 29.1





#5

1,4-Oxathiane

Concen: 4.48 ug/mL

RT: 3.67 min Scan# 94

Delta R.T. 0.02 min

Lab File: BJ001043.D

Acq: 20 Jul 2012 15:09

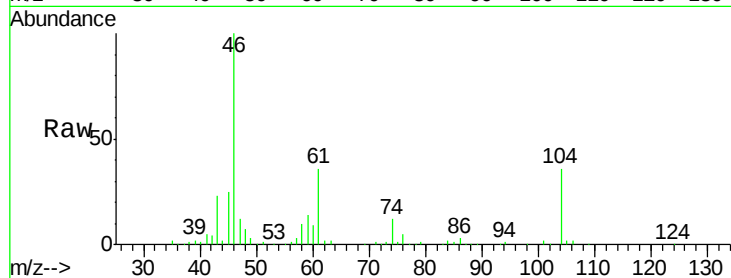
Tgt Ion: 46 Resp: 494529

Ion Ratio Lower Upper

46 100

61 36.4 19.4 59.4

104 36.4 34.1 74.1

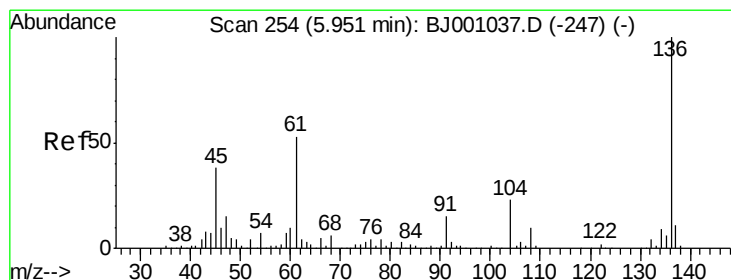
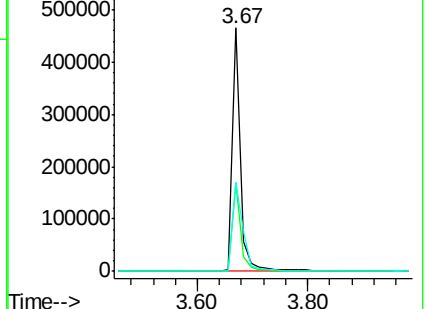
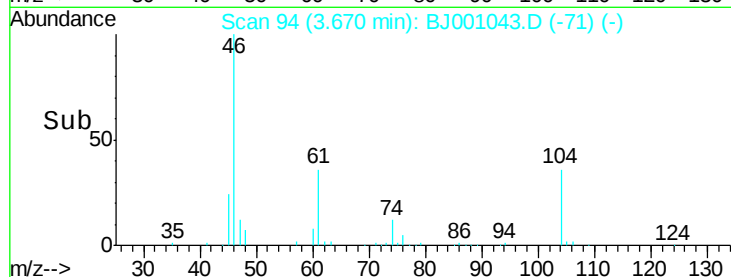


Abundance Ion 46.00 (45.70 to 46.70): BJ001037.D (-86) (-)

Ion 61.00 (60.70 to 61.70): BJ001037.D (-86) (-)

Ion 104.00 (103.70 to 104.70): BJ001037.D (-86) (-)

Time-->



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.95 min Scan# 254

Delta R.T. -0.00 min

Lab File: BJ001043.D

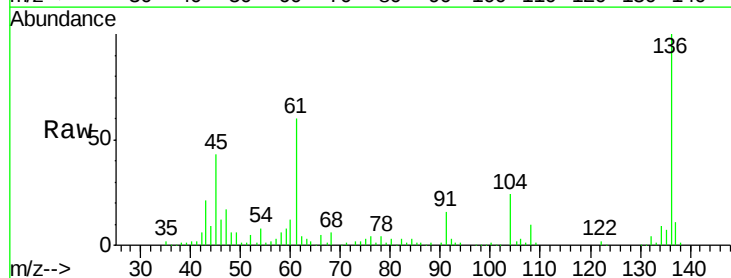
Acq: 20 Jul 2012 15:09

Tgt Ion: 136 Resp: 942183

Ion Ratio Lower Upper

136 100

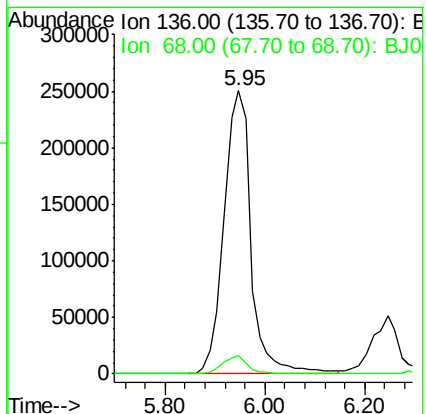
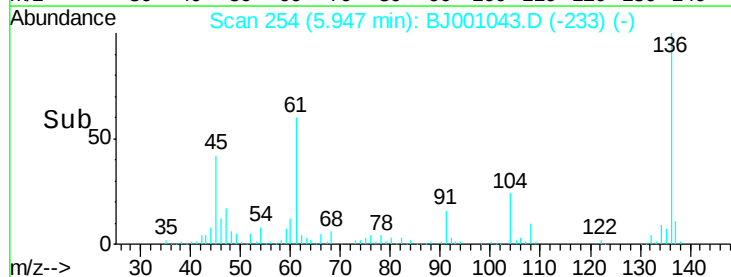
68 6.4 0.0 25.5

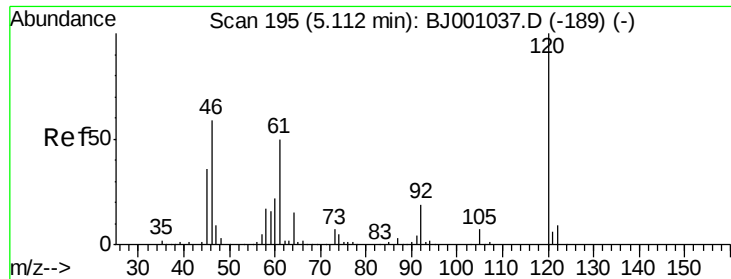


Abundance Ion 136.00 (135.70 to 136.70): BJ001037.D (-247) (-)

Ion 68.00 (67.70 to 68.70): BJ001037.D (-247) (-)

Time-->





#7

1,4-Dithiane

Concen: 4.24 ug/mL

RT: 5.09 min Scan# 194

Delta R.T. -0.02 min

Lab File: BJ001043.D

Acq: 20 Jul 2012 15:09

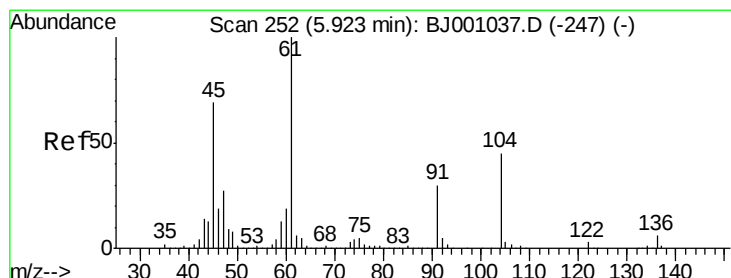
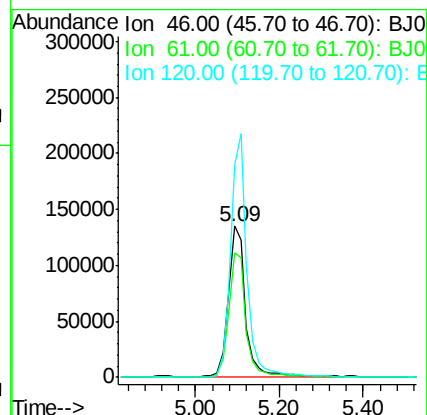
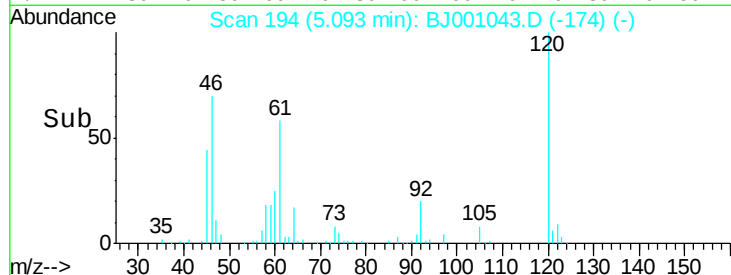
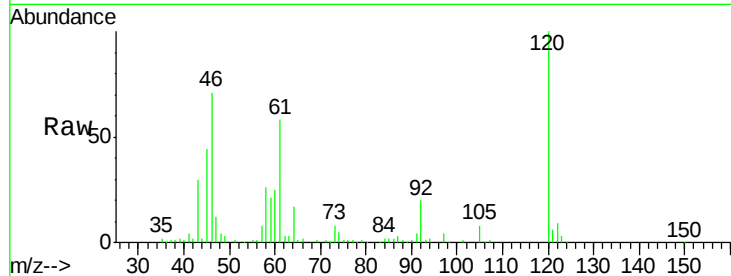
Tgt Ion: 46 Resp: 375416

Ion Ratio Lower Upper

46 100

61 82.5 63.7 103.7

120 141.3 148.0 188.0#



#8

Thiodiglycol

Concen: 36.87 ug/mL m

RT: 5.89 min Scan# 250

Delta R.T. -0.03 min

Lab File: BJ001043.D

Acq: 20 Jul 2012 15:09

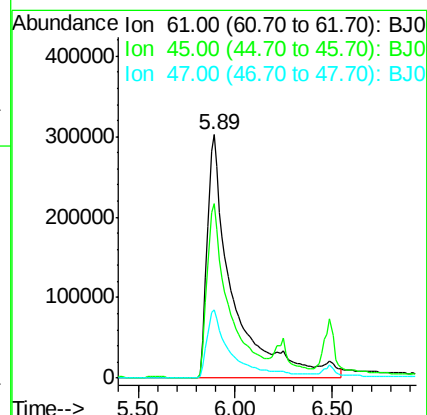
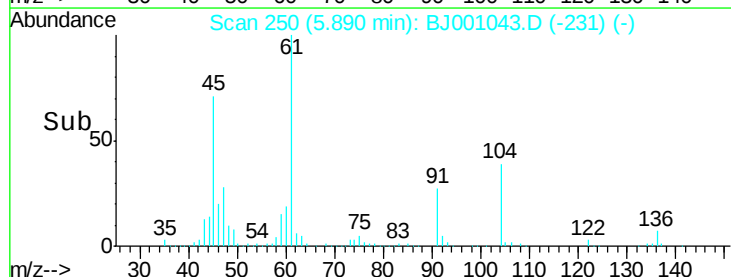
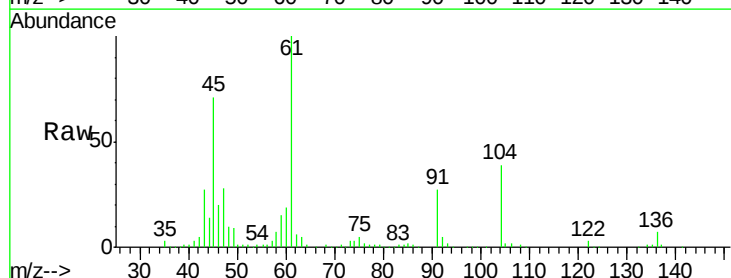
Tgt Ion: 61 Resp: 2771346

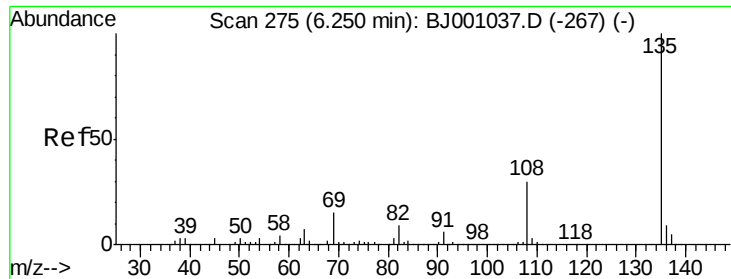
Ion Ratio Lower Upper

61 100

45 71.5 49.0 89.0

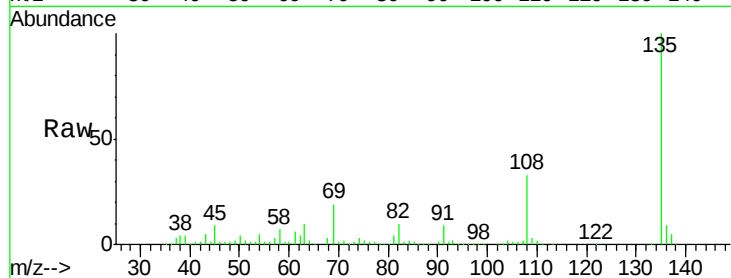
47 28.2 7.6 47.6



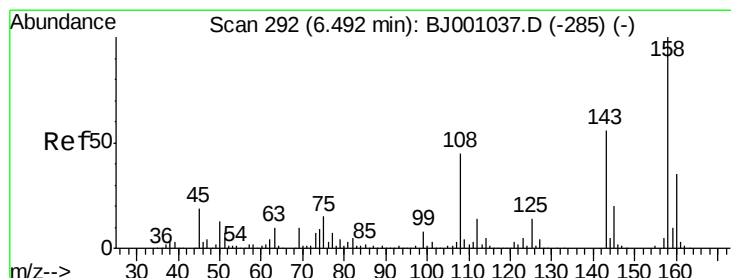
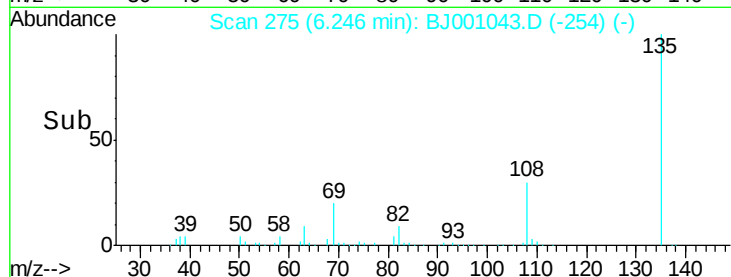
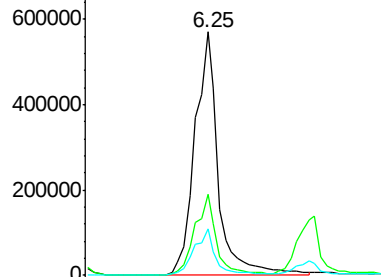


#9
Benzothiazole
Concen: 9.17 ug/mL
RT: 6.25 min Scan# 275
Delta R.T. -0.00 min
Lab File: BJ001043.D
Acq: 20 Jul 2012 15:09

Tgt Ion:135 Resp: 2226128
Ion Ratio Lower Upper
135 100
108 33.2 9.9 49.9
69 19.2 0.0 35.1

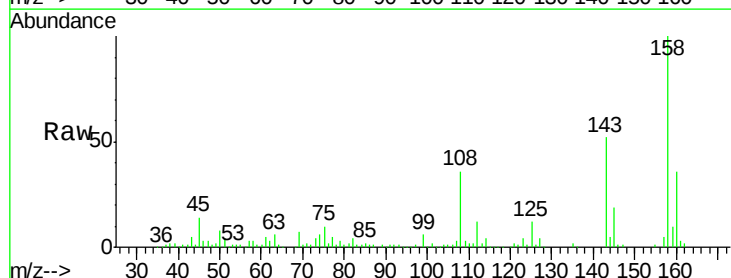


Abundance Ion 135.00 (134.70 to 135.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 69.00 (68.70 to 69.70): BJO

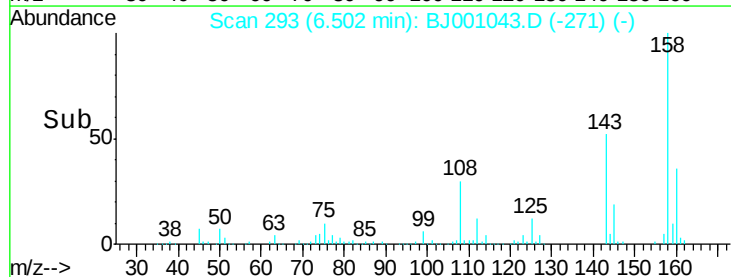
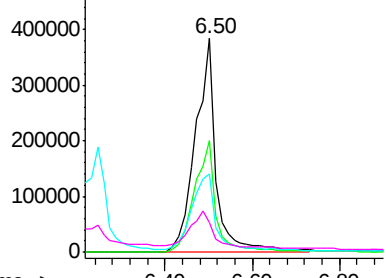


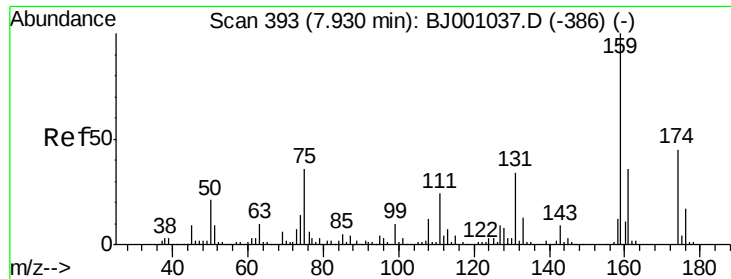
#11
p-Chlorophenylmethylsulfide
Concen: 8.51 ug/mL
RT: 6.50 min Scan# 293
Delta R.T. 0.01 min
Lab File: BJ001043.D
Acq: 20 Jul 2012 15:09

Tgt Ion:158 Resp: 1265236
Ion Ratio Lower Upper
158 100
143 52.2 36.2 76.2
108 36.4 25.5 65.5
45 13.7 0.7 40.7



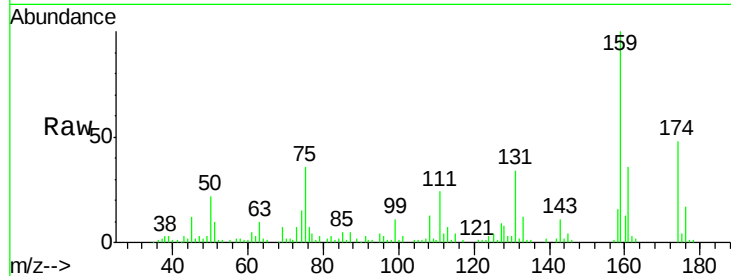
Abundance Ion 158.00 (157.70 to 158.70): E
Ion 143.00 (142.70 to 143.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 45.00 (44.70 to 45.70): BJO



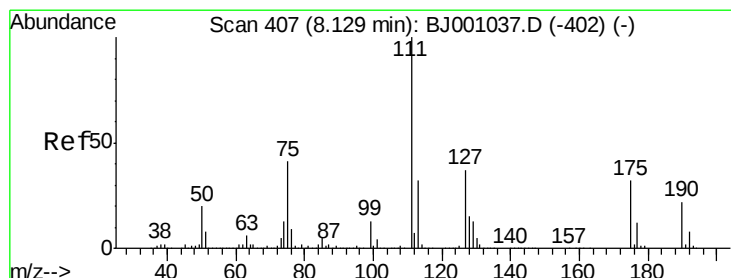
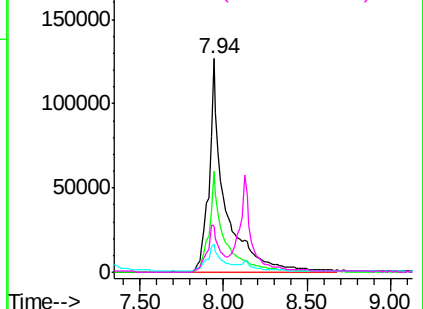
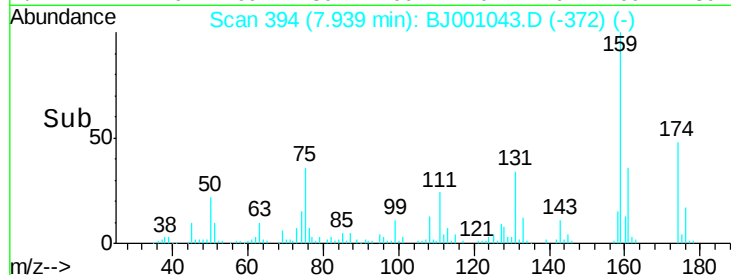


#13
p-Chlorophenylmethylsulfoxide
Concen: 9.55 ug/mL m
RT: 7.94 min Scan# 394
Delta R.T. 0.01 min
Lab File: BJ001043.D
Acq: 20 Jul 2012 15:09

Tgt Ion:	159	Resp:	856682
Ion	Ratio	Lower	Upper
159	100		
174	40.6	27.6	67.6
108	11.1	0.0	31.8
50	16.7	2.7	42.7

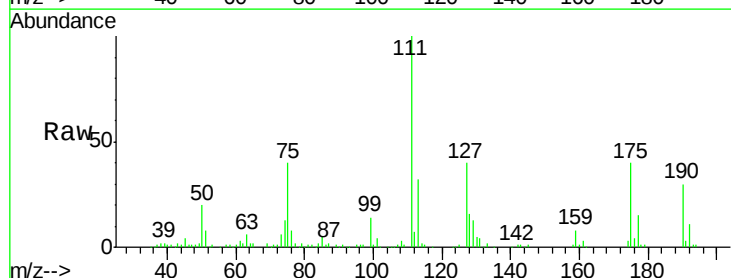


Abundance Ion 159.00 (158.70 to 159.70): E
Ion 174.00 (173.70 to 174.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 50.00 (49.70 to 50.70): BJ0

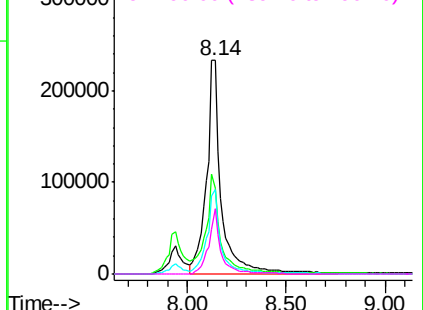
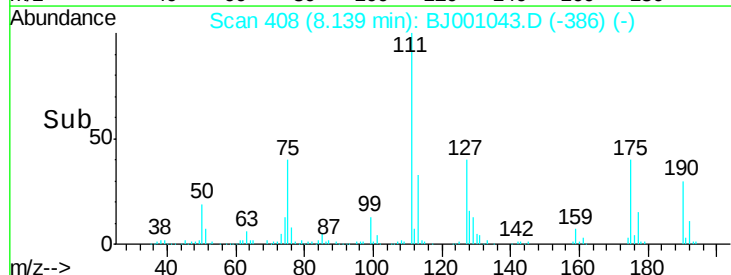


#14
p-Chlorophenylmethylsulfone
Concen: 8.21 ug/mL m
RT: 8.14 min Scan# 408
Delta R.T. 0.01 min
Lab File: BJ001043.D
Acq: 20 Jul 2012 15:09

Tgt Ion:	111	Resp:	1218383
Ion	Ratio	Lower	Upper
111	100		
75	40.3	22.6	62.6
127	39.6	17.2	57.2
190	30.3	2.0	42.0



Abundance Ion 111.00 (110.70 to 111.70): E
Ion 75.00 (74.70 to 75.70): BJ0
Ion 127.00 (126.70 to 127.70): E
Ion 190.00 (189.70 to 190.70): E



Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
 Data File : BJ001043.D
 Acq On : 20 Jul 2012 15:09
 Operator : HLM
 Sample : PB64247BS
 Misc : WATER BNA_J HLM
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 21 05:00:55 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jul 20 14:08:00 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.65	152	237080	2.00	ug/mL	-0.02
6) Naphthalene-d8	5.95	136	942183	2.00	ug/mL	0.00

System Monitoring Compounds						
10) Tripropylphosphate	7.01	99	165684	0.48	ug/mL	0.00
Spiked Amount 0.500	Range	70 - 130	Recovery	=	96.00%	
12) 2-Bromothioanisole	7.26	204	323775	4.40	ug/mL	0.00
Spiked Amount 5.000	Range	70 - 130	Recovery	=	88.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dimethyl Disulfide	2.70	94	302940	3.41	ug/mL	95
3) DMMP	3.54	79	213048m	1.99	ug/mL	
4) DIMP	4.92	97	790017	3.58	ug/mL#	79
5) 1,4-Oxathiane	3.67	46	494529	4.48	ug/mL	84
7) 1,4-Dithiane	5.09	46	375416	4.24	ug/mL#	86
8) Thiodiglycol	5.89	61	2771346m	36.87	ug/mL	
9) Benzothiazole	6.25	135	2226128	9.17	ug/mL	93
11) p-Chlorophenylmethyldisulfid	6.50	158	1265236	8.51	ug/mL	90
13) p-Chlorophenylmethyldisulfox	7.94	159	856682m	9.55	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.14	111	1218383m	8.21	ug/mL	

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