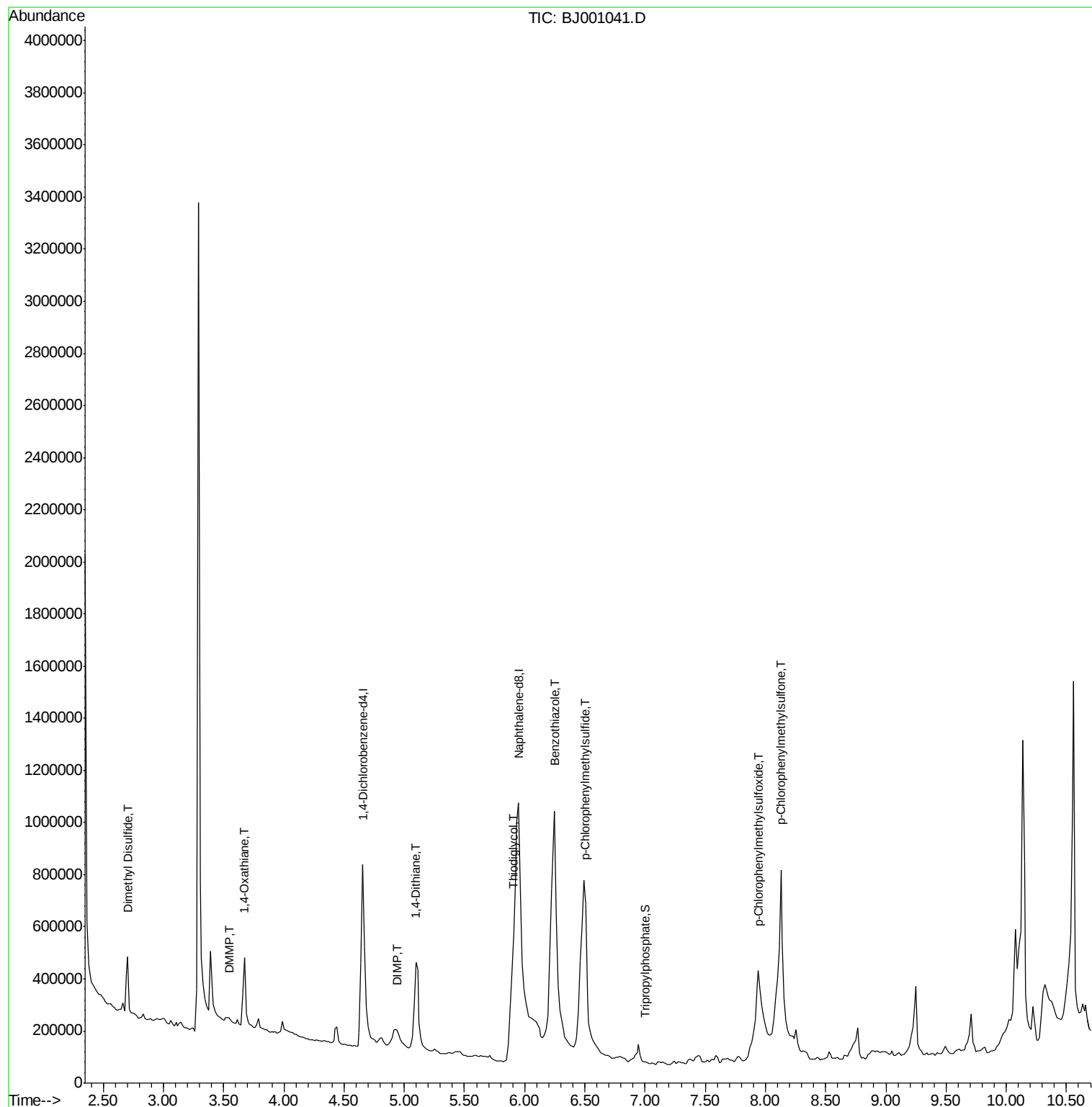
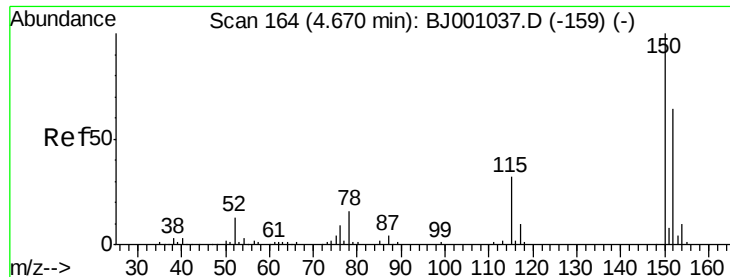


Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001041.D
Acq On : 20 Jul 2012 13:35
Operator : HLM
Sample : CWA-ICV
Misc : BNA_J HLM
ALS Vial : 8 Sample Multiplier: 1

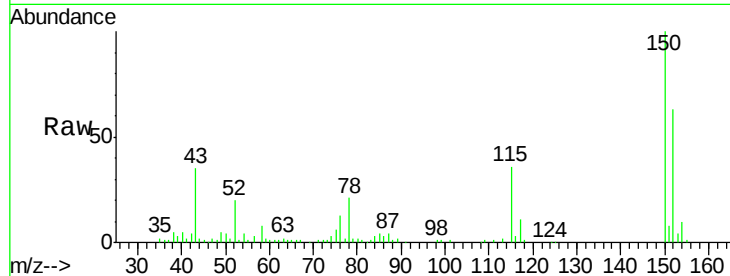
Quant Time: Jul 21 05:00:44 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jul 20 14:09:12 2012
Response via : Initial Calibration



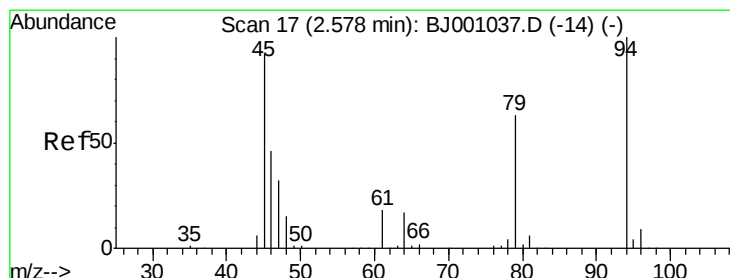
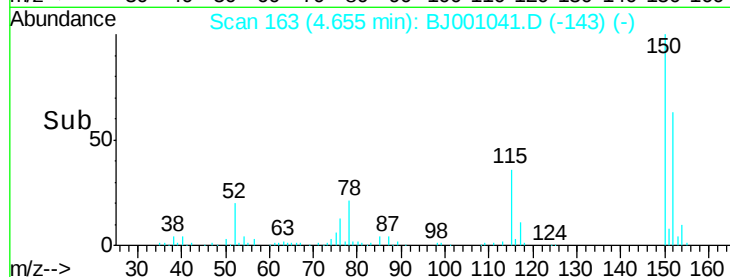
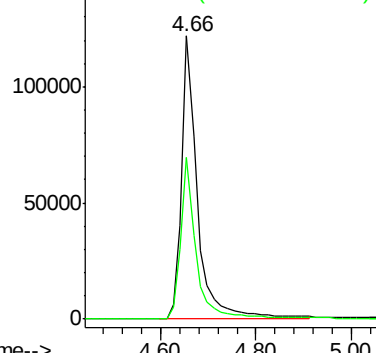


#1
 1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.66 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: BJ001041.D
 Acq: 20 Jul 2012 13:35

Tgt Ion: 152 Resp: 282967
 Ion Ratio Lower Upper
 152 100
 115 57.2 29.0 69.0

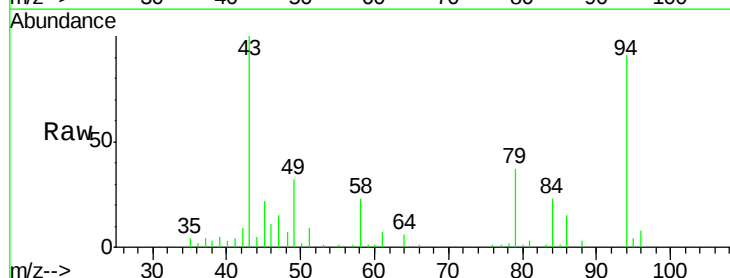


Abundance Ion 152.00 (151.70 to 152.70): B
 Ion 115.00 (114.70 to 115.70): B

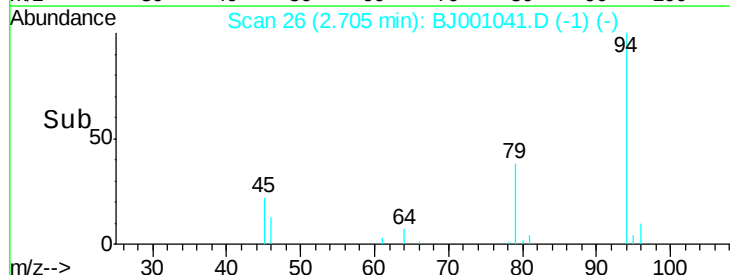
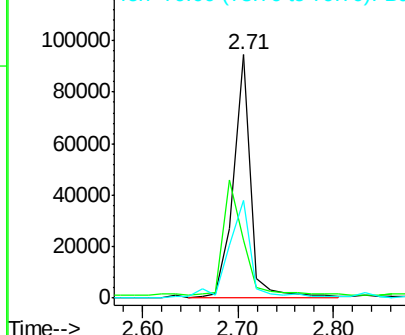


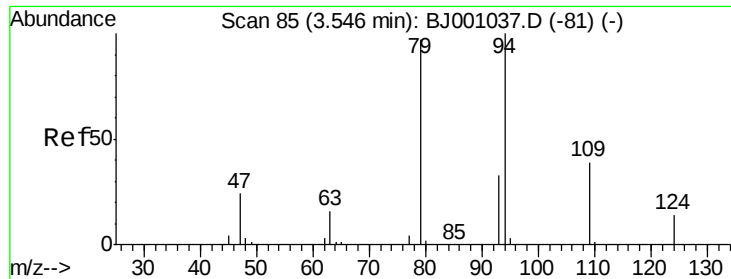
#2
 Dimethyl Disulfide
 Concen: 1.14 ug/mL
 RT: 2.71 min Scan# 26
 Delta R.T. 0.13 min
 Lab File: BJ001041.D
 Acq: 20 Jul 2012 13:35

Tgt Ion: 94 Resp: 121186
 Ion Ratio Lower Upper
 94 100
 45 24.0 75.2 115.2#
 79 40.2 43.1 83.1#



Abundance Ion 94.00 (93.70 to 94.70): BJ0
 Ion 45.00 (44.70 to 45.70): BJ0
 Ion 79.00 (78.70 to 79.70): BJ0





#3

DMMP

Concen: 0.34 ug/mL

RT: 3.54 min Scan# 85

Delta R.T. -0.00 min

Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

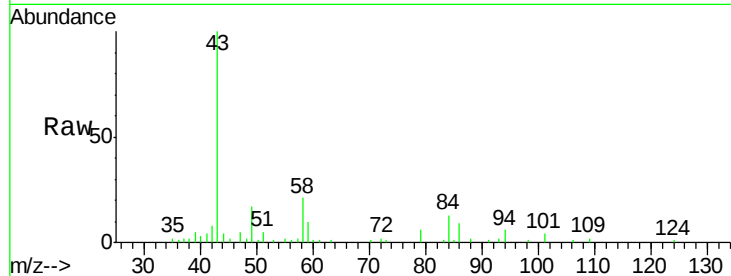
Tgt Ion: 79 Resp: 43939

Ion Ratio Lower Upper

79 100

94 104.8 83.0 123.0

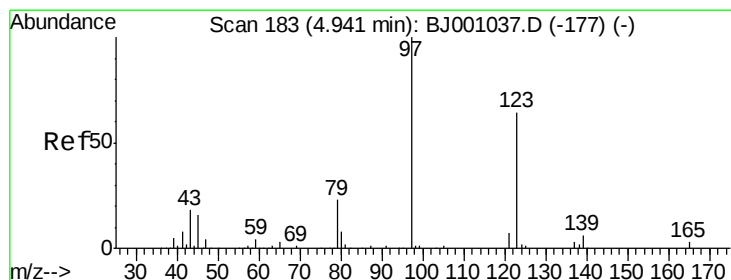
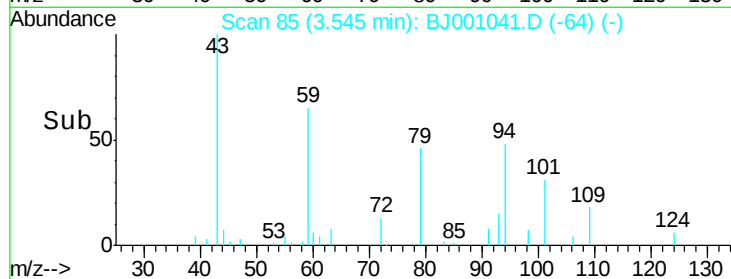
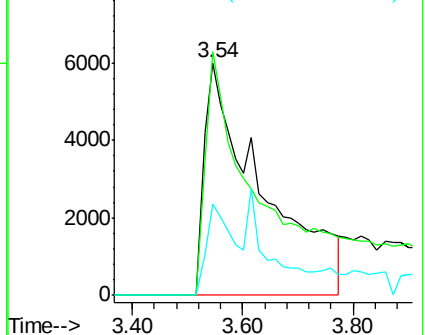
109 39.4 20.0 60.0



Abundance Ion 79.00 (78.70 to 79.70): BJ0

Ion 94.00 (93.70 to 94.70): BJ0

Ion 109.00 (108.70 to 109.70): BJ0



#4

DIMP

Concen: 0.55 ug/mL

RT: 4.94 min Scan# 183

Delta R.T. -0.00 min

Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

Tgt Ion: 97 Resp: 138276

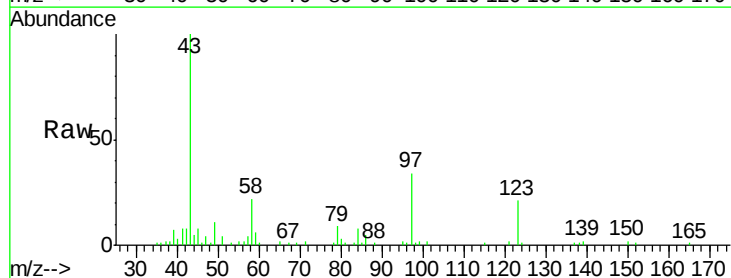
Ion Ratio Lower Upper

97 100

123 63.4 43.8 83.8

43 296.1 0.0 38.6#

41 24.3 0.0 29.1

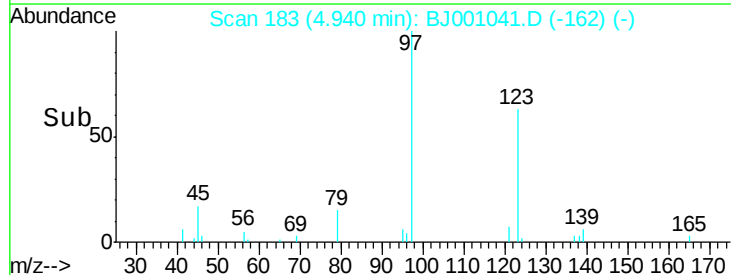
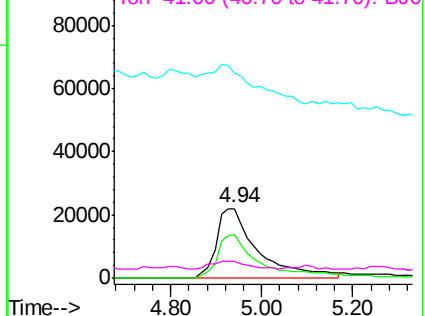


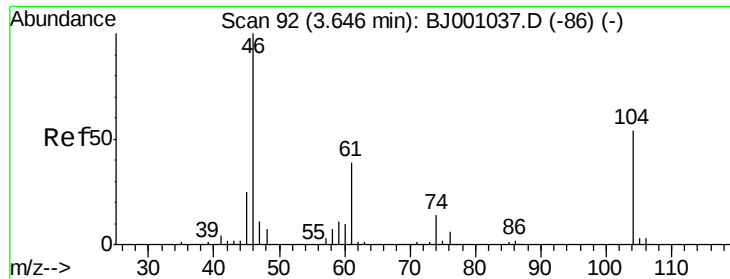
Abundance Ion 97.00 (96.70 to 97.70): BJ0

Ion 123.00 (122.70 to 123.70): BJ0

Ion 43.00 (42.70 to 43.70): BJ0

Ion 41.00 (40.70 to 41.70): BJ0





#5

1,4-Oxathiane

Concen: 1.06 ug/mL

RT: 3.67 min Scan# 94

Delta R.T. 0.03 min

Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

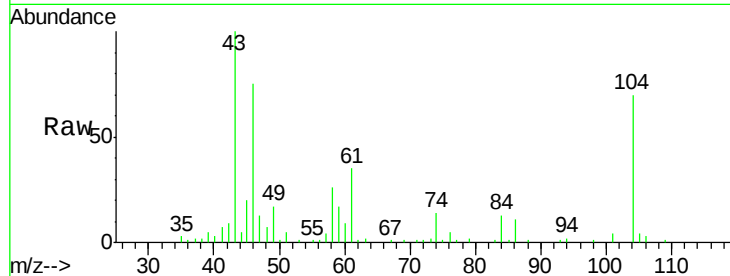
Tgt Ion: 46 Resp: 139086

Ion Ratio Lower Upper

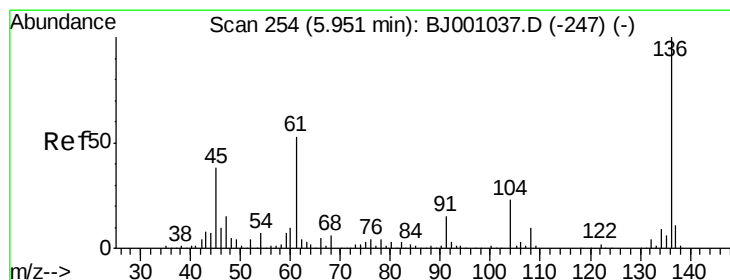
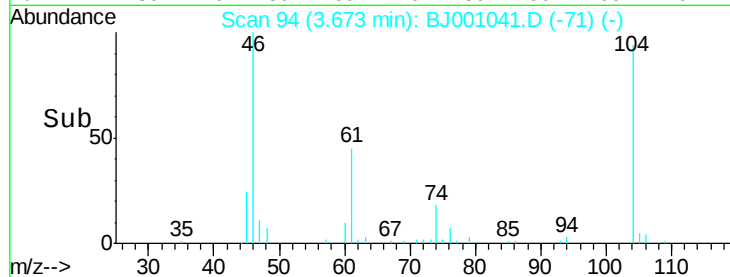
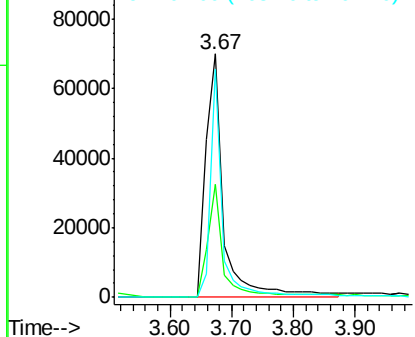
46 100

61 46.2 19.4 59.4

104 94.0 34.1 74.1#



Abundance Ion 46.00 (45.70 to 46.70): BJ0
Ion 61.00 (60.70 to 61.70): BJ0
Ion 104.00 (103.70 to 104.70): E



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.95 min Scan# 254

Delta R.T. -0.00 min

Lab File: BJ001041.D

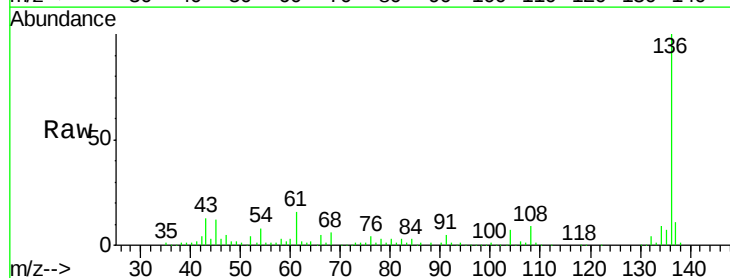
Acq: 20 Jul 2012 13:35

Tgt Ion: 136 Resp: 1239892

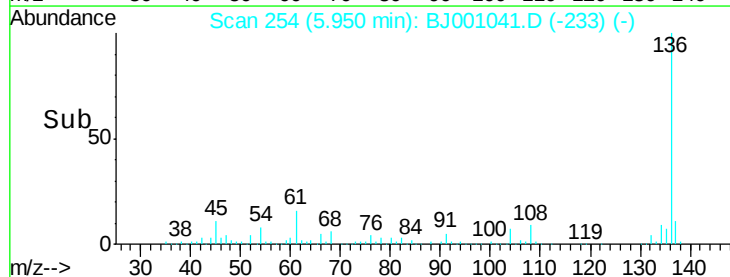
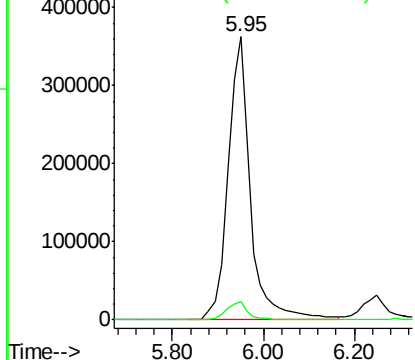
Ion Ratio Lower Upper

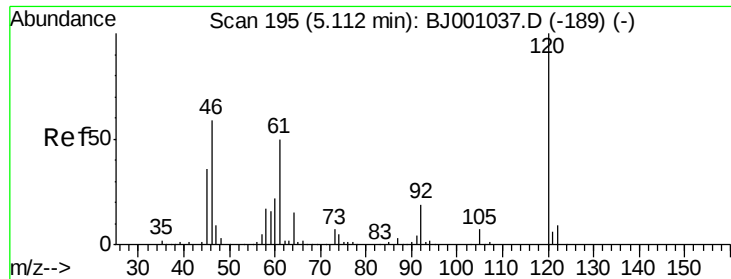
136 100

68 6.3 0.0 25.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 68.00 (67.70 to 68.70): BJ0





#7

1,4-Dithiane

Concen: 1.21 ug/mL

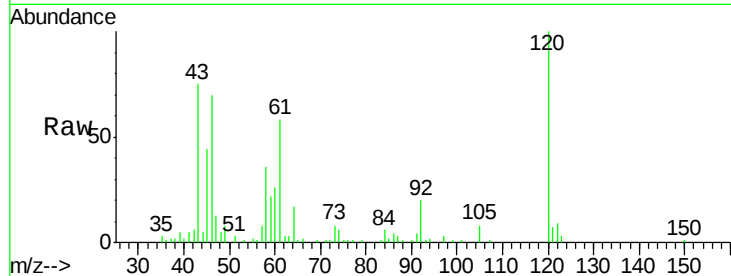
RT: 5.10 min Scan# 194

Delta R.T. -0.02 min

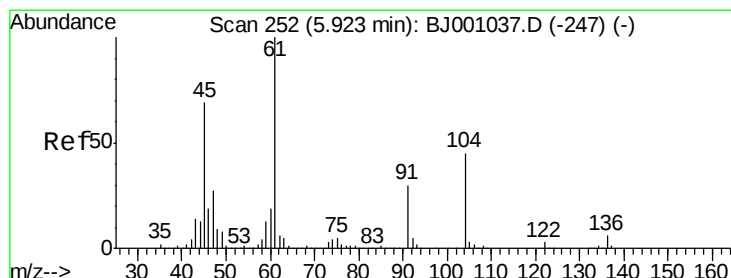
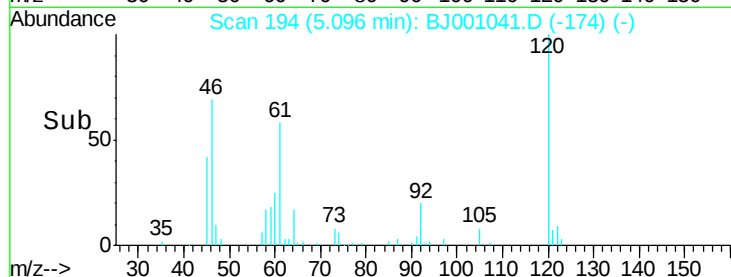
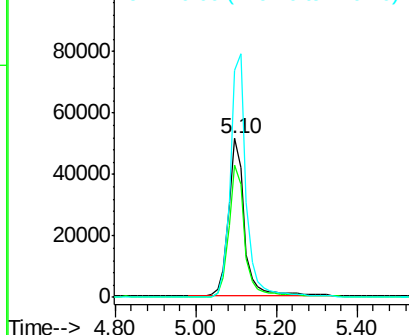
Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

Tgt Ion:	46	Resp:	140335
Ion	Ratio	Lower	Upper
46	100		
61	83.1	63.7	103.7
120	142.5	148.0	188.0#



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): BJ0



#8

Thiodiglycol

Concen: 9.93 ug/mL m

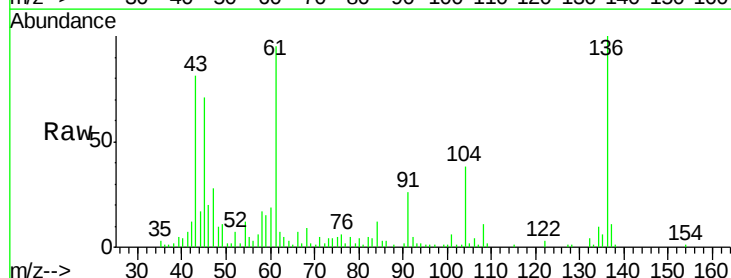
RT: 5.91 min Scan# 251

Delta R.T. -0.01 min

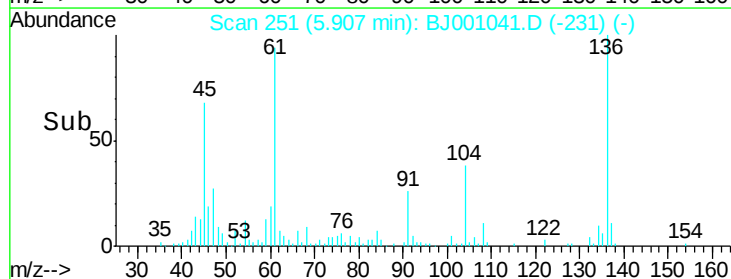
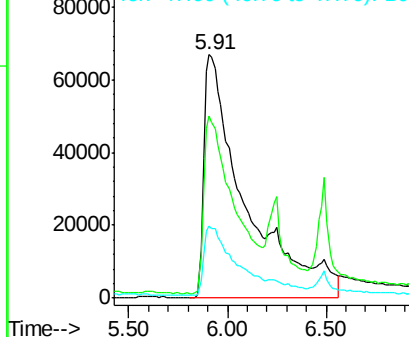
Lab File: BJ001041.D

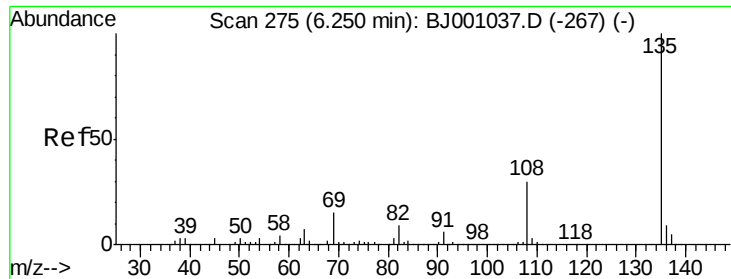
Acq: 20 Jul 2012 13:35

Tgt Ion:	61	Resp:	981938
Ion	Ratio	Lower	Upper
61	100		
45	74.8	49.0	89.0
47	29.4	7.6	47.6



Abundance Ion 61.00 (60.70 to 61.70): BJ0
Ion 45.00 (44.70 to 45.70): BJ0
Ion 47.00 (46.70 to 47.70): BJ0





#9

Benzothiazole

Concen: 4.18 ug/mL

RT: 6.25 min Scan# 275

Delta R.T. -0.00 min

Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

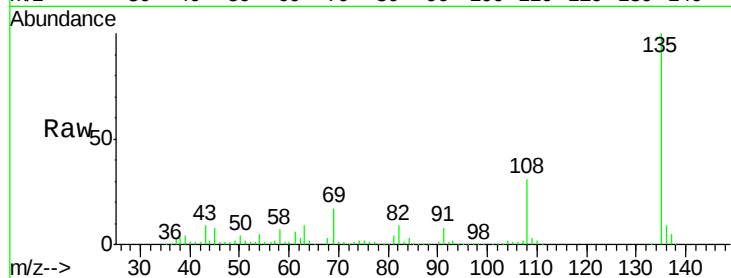
Tgt Ion:135 Resp: 1335147

Ion Ratio Lower Upper

135 100

108 31.5 9.9 49.9

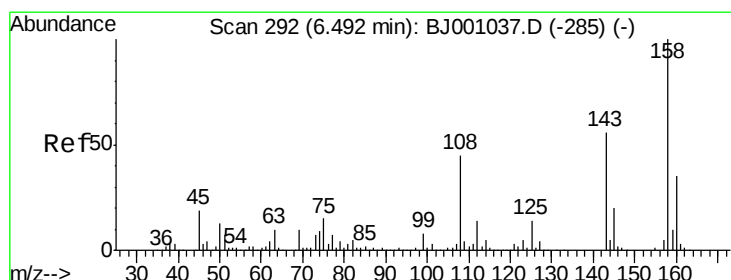
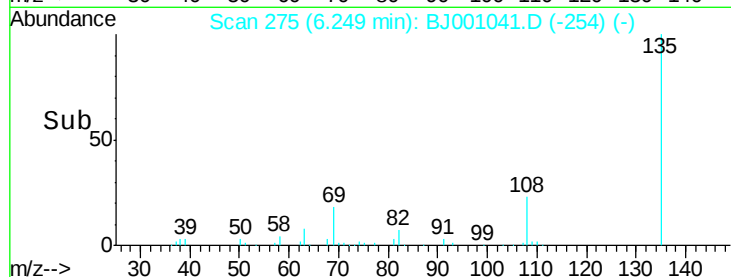
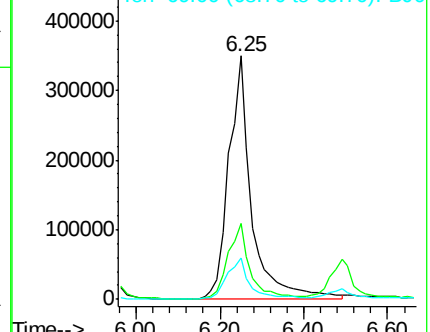
69 17.1 0.0 35.1



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: 2.55 ug/mL

RT: 6.51 min Scan# 293

Delta R.T. 0.01 min

Lab File: BJ001041.D

Acq: 20 Jul 2012 13:35

Tgt Ion:158 Resp: 499141

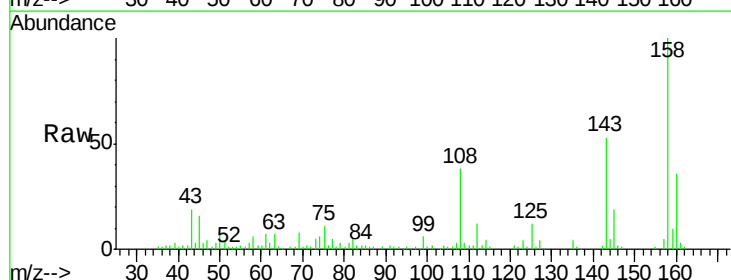
Ion Ratio Lower Upper

158 100

143 53.0 36.2 76.2

108 37.6 25.5 65.5

45 16.2 0.7 40.7

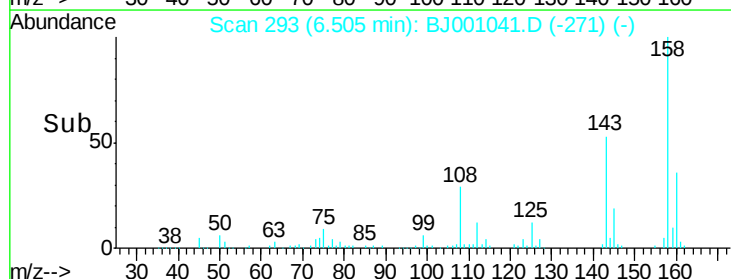
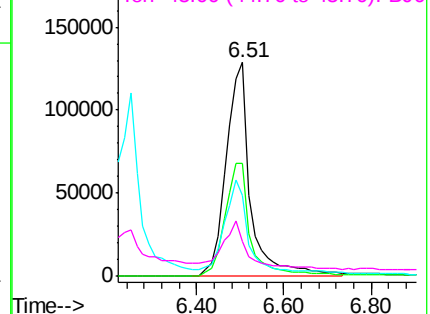


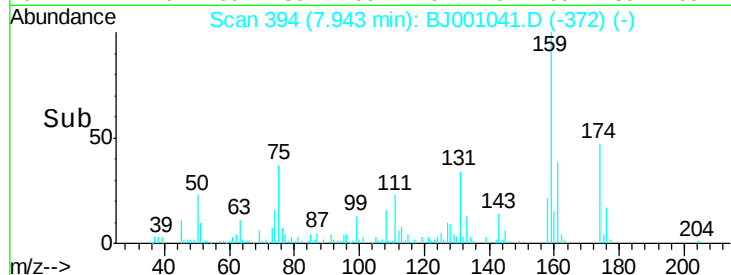
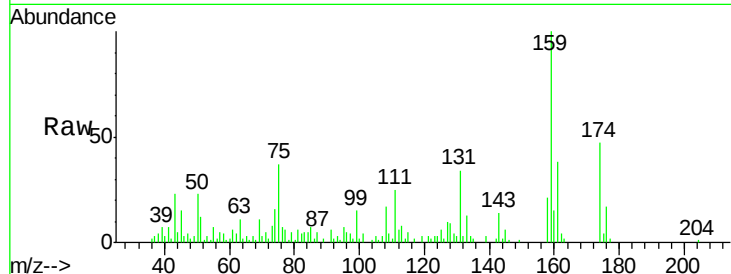
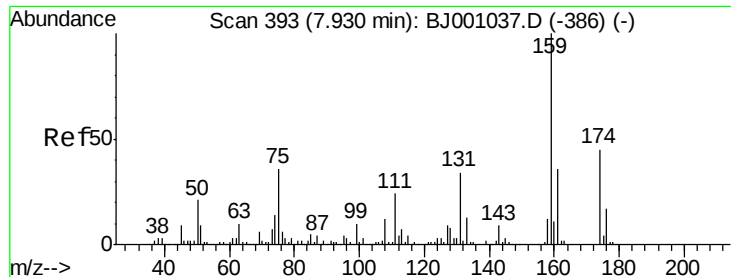
Abundance Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

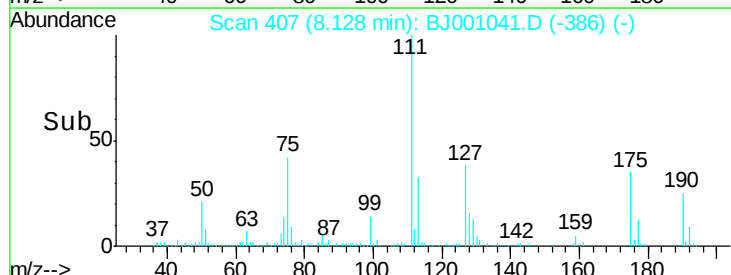
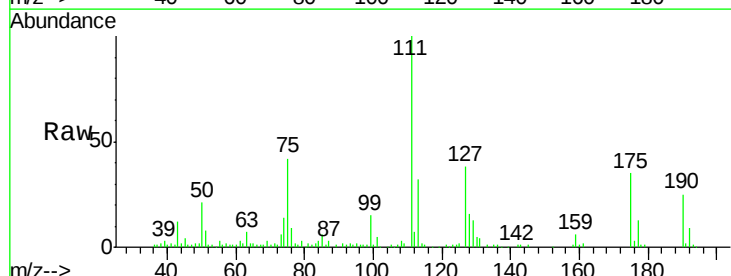
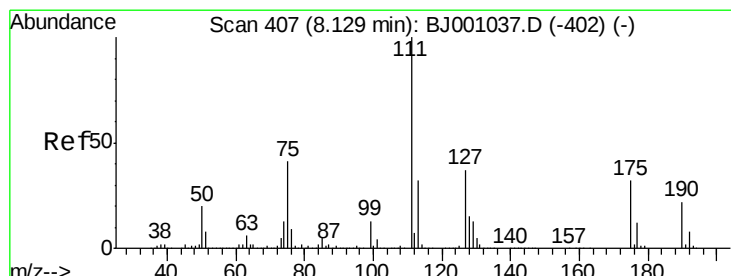
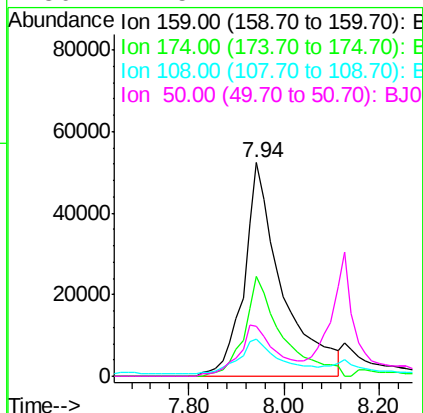
Ion 45.00 (44.70 to 45.70): BJO





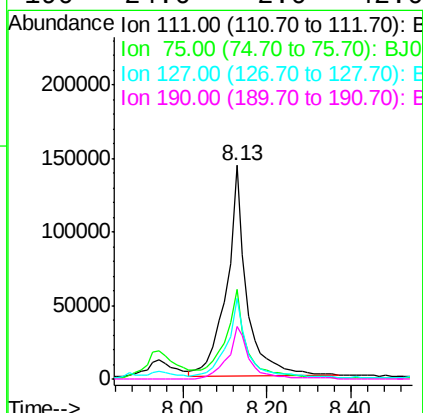
#13
p-Chlorophenylmethylsulfoxide
Concen: 2.58 ug/mL
RT: 7.94 min Scan# 394
Delta R.T. 0.01 min
Lab File: BJ001041.D
Acq: 20 Jul 2012 13:35

Tgt Ion:	159	Resp:	288007
Ion	Ratio	Lower	Upper
159	100		
174	45.7	27.6	67.6
108	17.0	0.0	31.8
50	24.5	2.7	42.7



#14
p-Chlorophenylmethylsulfone
Concen: 2.40 ug/mL
RT: 8.13 min Scan# 407
Delta R.T. -0.00 min
Lab File: BJ001041.D
Acq: 20 Jul 2012 13:35

Tgt Ion:	111	Resp:	469484
Ion	Ratio	Lower	Upper
111	100		
75	41.7	22.6	62.6
127	37.9	17.2	57.2
190	24.6	2.0	42.0



Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
 Data File : BJ001041.D
 Acq On : 20 Jul 2012 13:35
 Operator : HLM
 Sample : CWA-ICV
 Misc : BNA_J HLM
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 21 05:00:44 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jul 20 14:09:12 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.66	152	282967	2.00	ug/mL	-0.02
6) Naphthalene-d8	5.95	136	1239892	2.00	ug/mL	0.00

System Monitoring Compounds						
10) Tripropylphosphate	7.00	99	607	0.00	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	0.00%#
12) 2-Bromothioanisole	0.00	204	0	0.00	ug/mL	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.71	94	121186	1.14	ug/mL#	44
3) DMMP	3.54	79	43939	0.34	ug/mL	98
4) DIMP	4.94	97	138276	0.55	ug/mL#	1
5) 1,4-Oxathiane	3.67	46	139086	1.06	ug/mL#	63
7) 1,4-Dithiane	5.10	46	140335	1.21	ug/mL#	87
8) Thiodiglycol	5.91	61	981938m	9.93	ug/mL	
9) Benzothiazole	6.25	135	1335147	4.18	ug/mL	96
11) p-Chlorophenylmethyldisulfid	6.51	158	499141	2.55	ug/mL	92
13) p-Chlorophenylmethyldisulfox	7.94	159	288007	2.58	ug/mL	95
14) p-Chlorophenylmethyldisulfon	8.13	111	469484	2.40	ug/mL	98

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