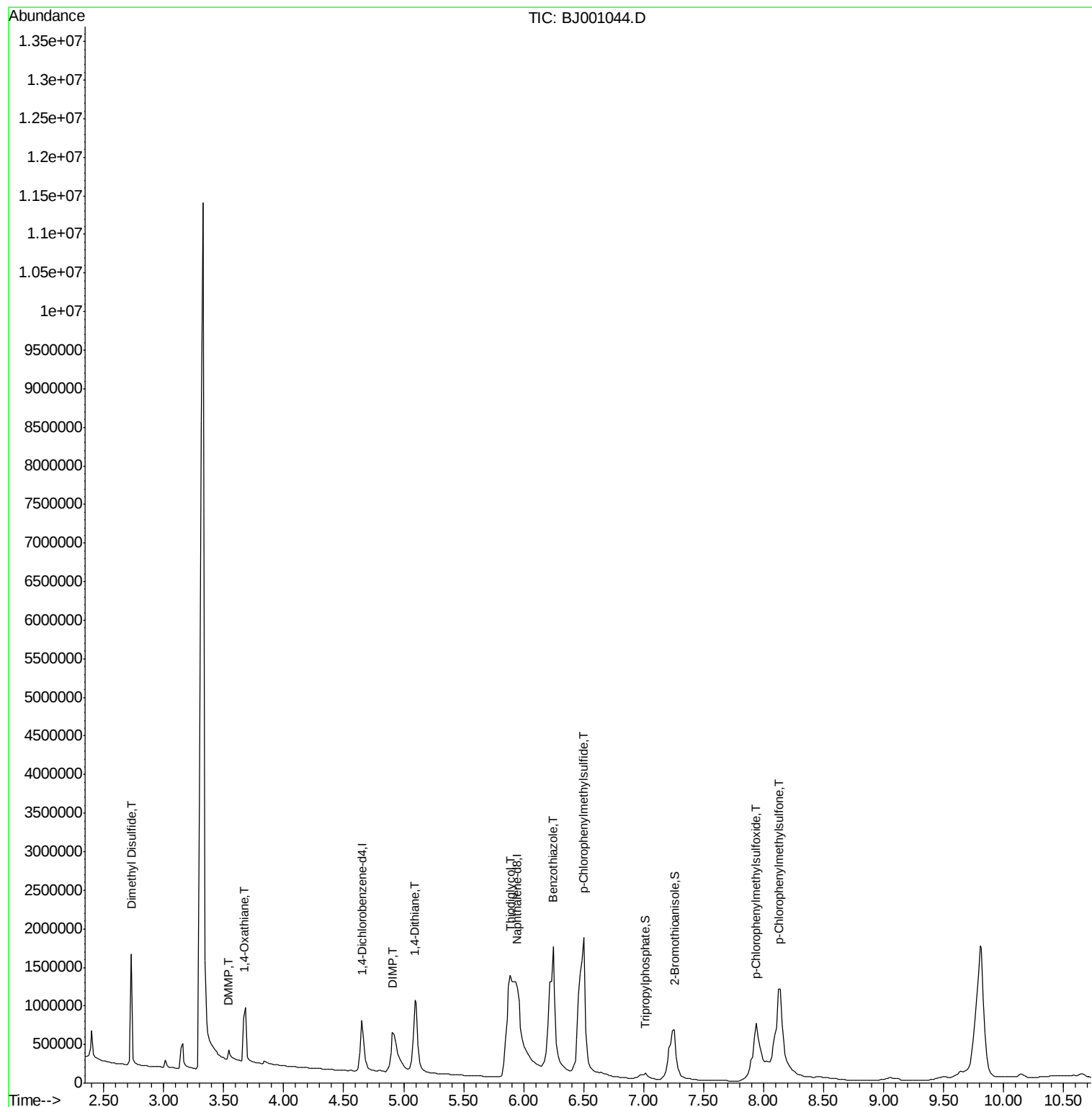
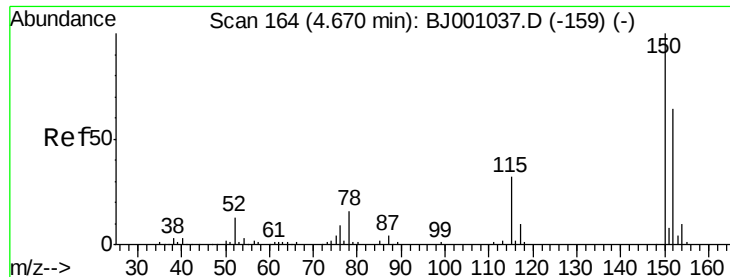


Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001044.D
Acq On : 20 Jul 2012 15:27
Operator : HLM
Sample : PB64247BSD
Misc : WATER BNA_J HLM
ALS Vial : 11 Sample Multiplier: 1

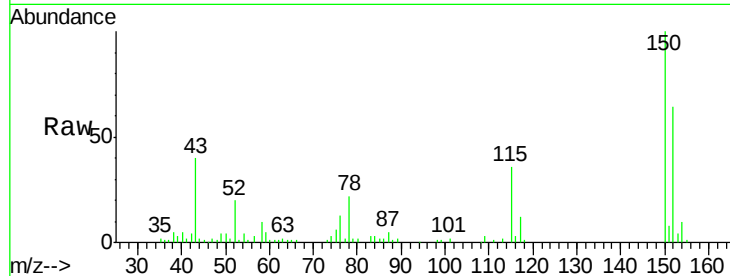
Quant Time: Jul 21 05:01:02 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jul 20 14:08:00 2012
Response via : Initial Calibration



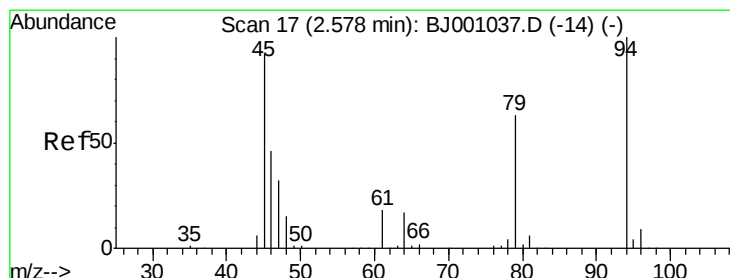
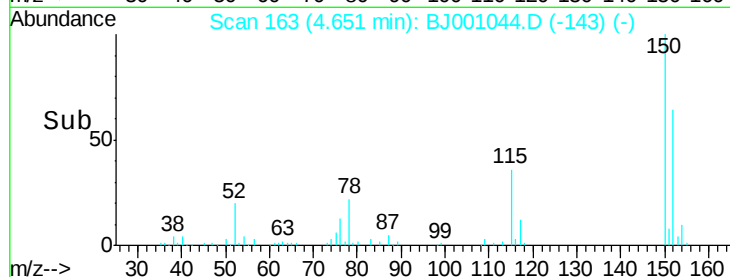
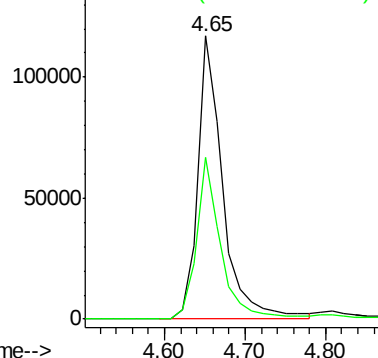


#1
 1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.65 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: BJ001044.D
 Acq: 20 Jul 2012 15:27

Tgt Ion: 152 Resp: 251106
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.0 69.0

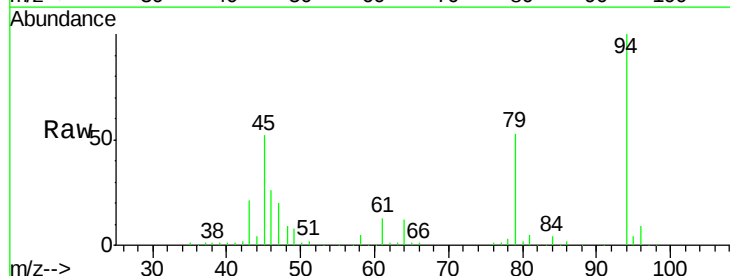


Abundance Ion 152.00 (151.70 to 152.70): B
 Ion 115.00 (114.70 to 115.70): B

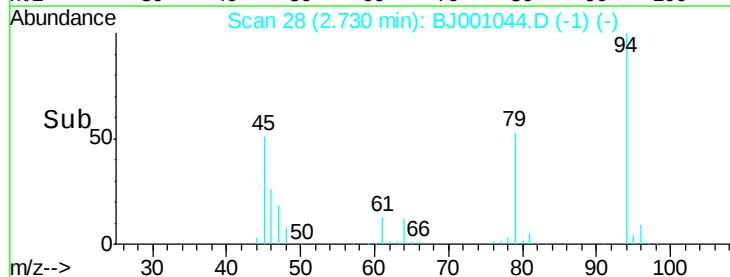
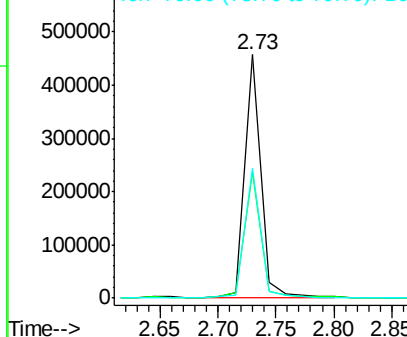


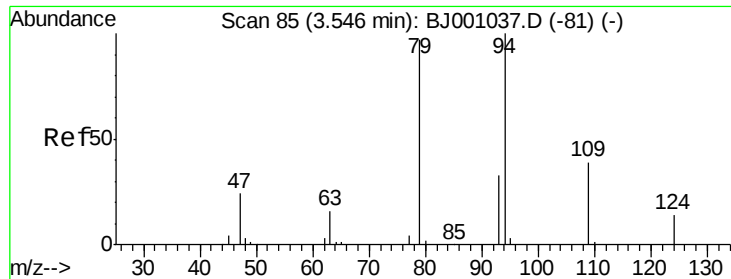
#2
 Dimethyl Disulfide
 Concen: 4.76 ug/mL m
 RT: 2.73 min Scan# 28
 Delta R.T. 0.15 min
 Lab File: BJ001044.D
 Acq: 20 Jul 2012 15:27

Tgt Ion: 94 Resp: 447501
 Ion Ratio Lower Upper
 94 100
 45 51.5 75.2 115.2#
 79 53.3 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: 1.86 ug/mL m

RT: 3.54 min Scan# 85

Delta R.T. -0.01 min

Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

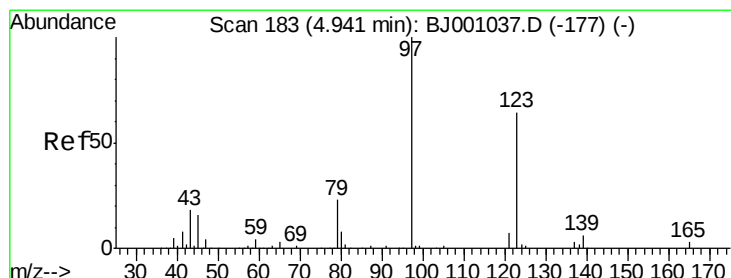
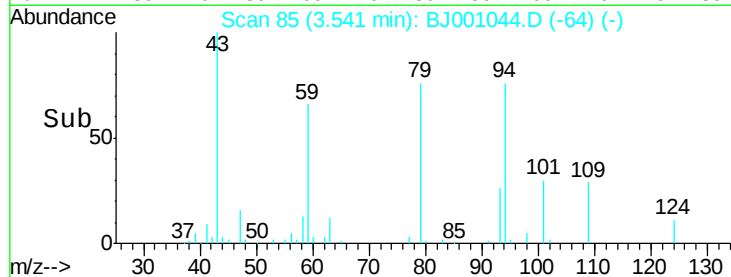
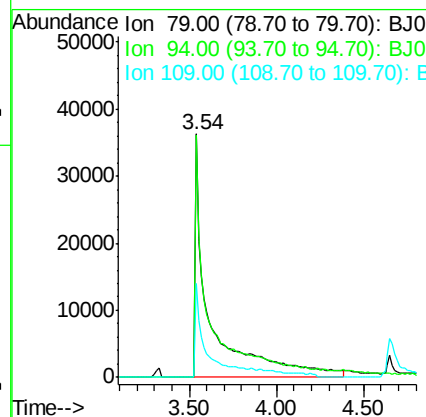
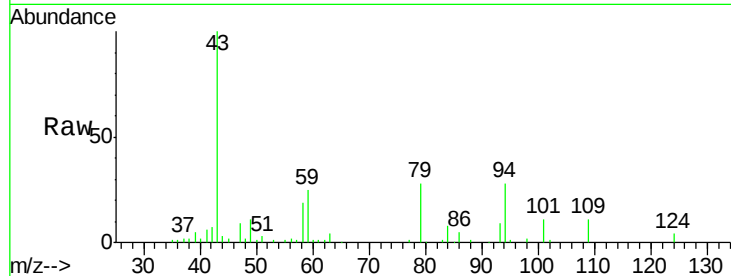
Tgt Ion: 79 Resp: 209859

Ion Ratio Lower Upper

79 100

94 99.8 83.0 123.0

109 38.3 20.0 60.0



#4

DIMP

Concen: 3.48 ug/mL

RT: 4.91 min Scan# 181

Delta R.T. -0.03 min

Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

Tgt Ion: 97 Resp: 813121

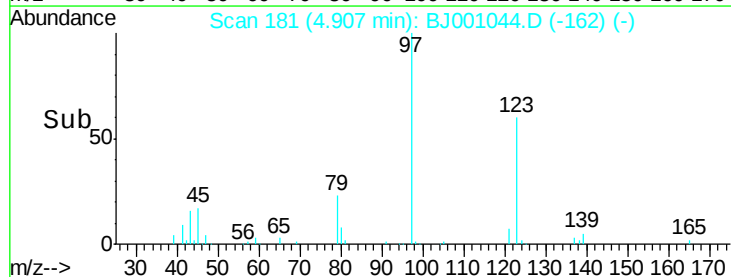
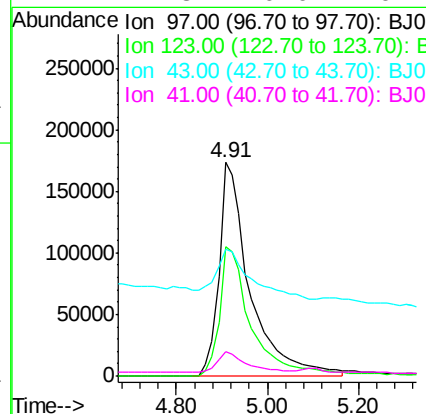
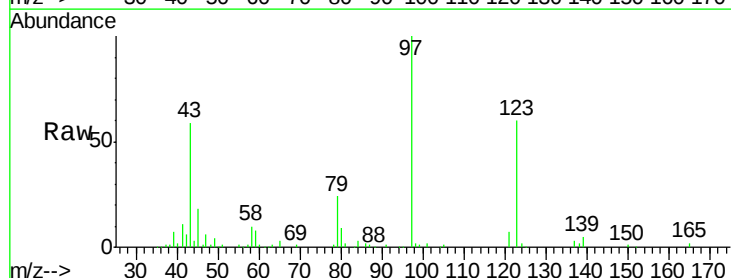
Ion Ratio Lower Upper

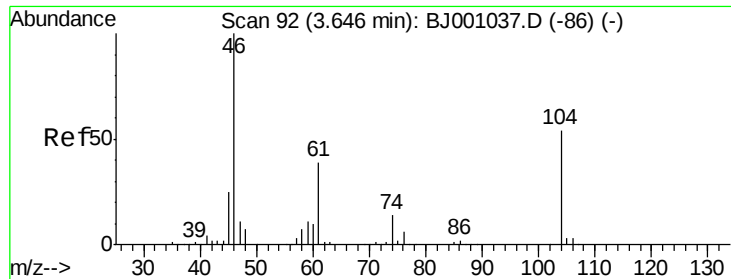
97 100

123 60.3 43.8 83.8

43 59.2 0.0 38.6#

41 11.3 0.0 29.1





#5

1,4-Oxathiane

Concen: 3.42 ug/mL

RT: 3.67 min Scan# 94

Delta R.T. 0.02 min

Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

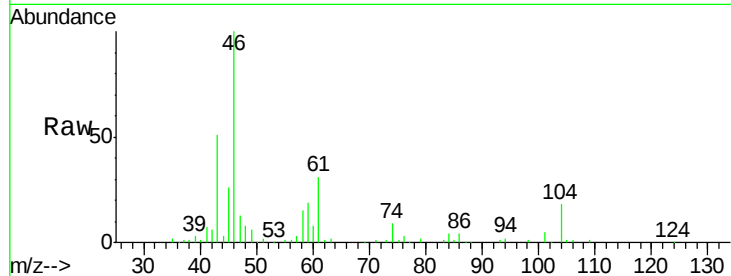
Tgt Ion: 46 Resp: 399331

Ion Ratio Lower Upper

46 100

61 30.8 19.4 59.4

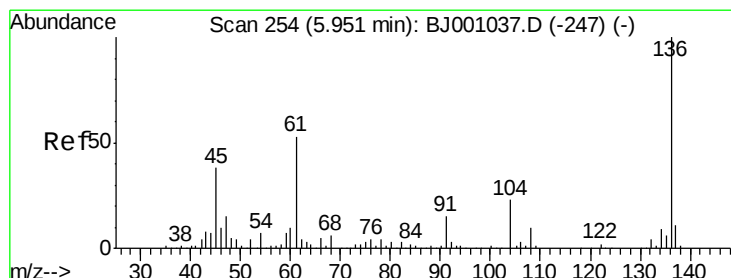
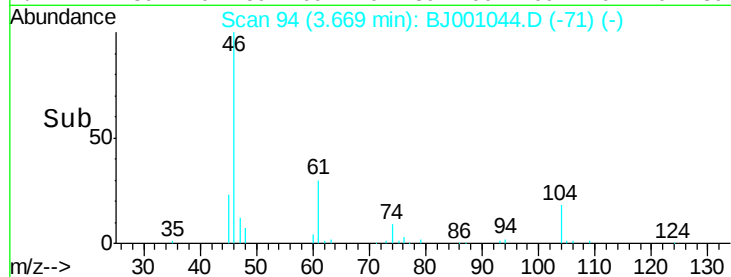
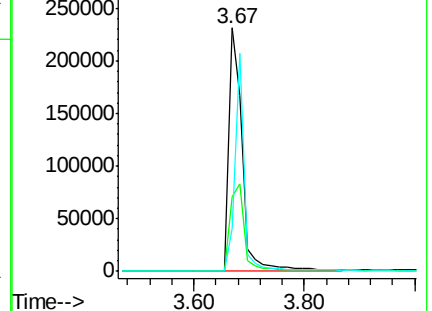
104 17.6 34.1 74.1#



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): BJ0



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.95 min Scan# 254

Delta R.T. -0.01 min

Lab File: BJ001044.D

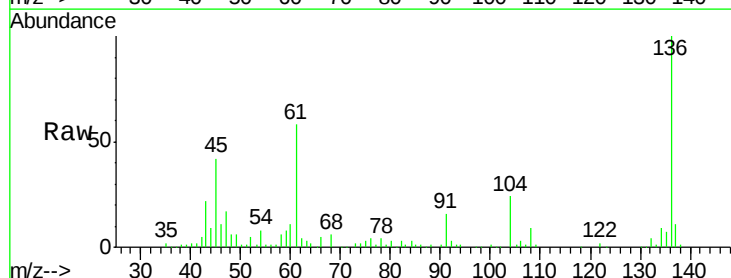
Acq: 20 Jul 2012 15:27

Tgt Ion: 136 Resp: 1011363

Ion Ratio Lower Upper

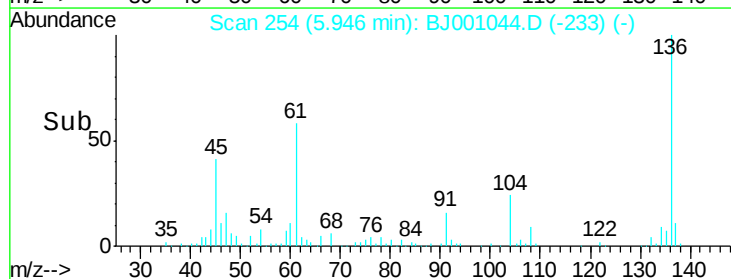
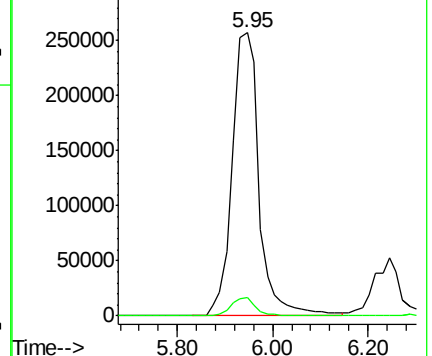
136 100

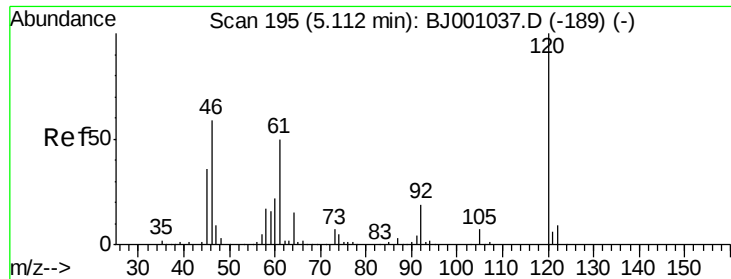
68 6.4 0.0 25.5



Abundance Ion 136.00 (135.70 to 136.70): BJ0

Ion 68.00 (67.70 to 68.70): BJ0





#7

1,4-Dithiane

Concen: 4.11 ug/mL

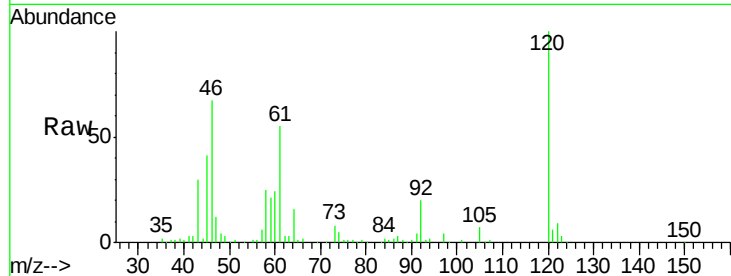
RT: 5.09 min Scan# 194

Delta R.T. -0.02 min

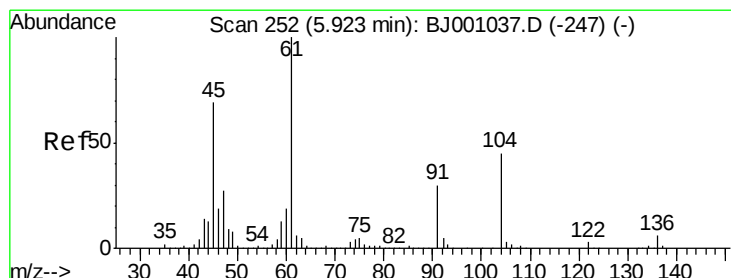
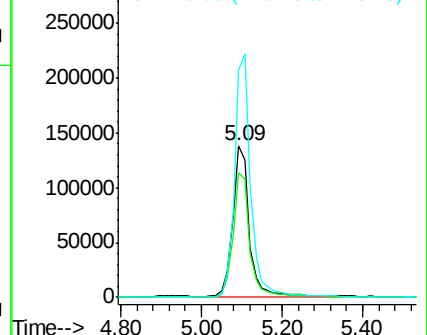
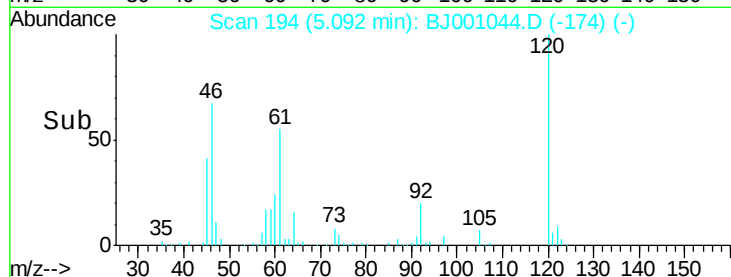
Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

Tgt Ion:	46	Resp:	390561
Ion	Ratio	Lower	Upper
46	100		
61	82.3	63.7	103.7
120	149.0	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: 34.93 ug/mL m

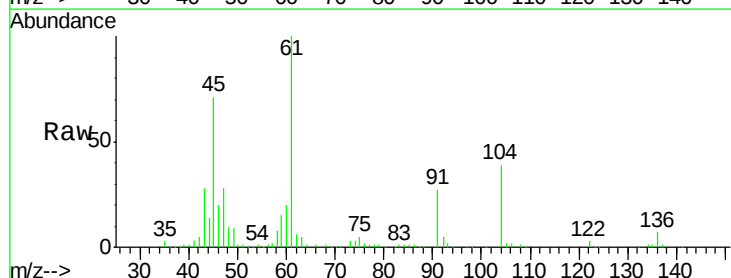
RT: 5.89 min Scan# 250

Delta R.T. -0.03 min

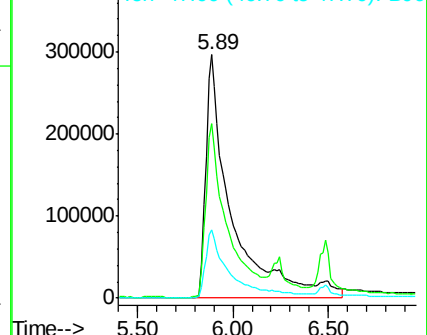
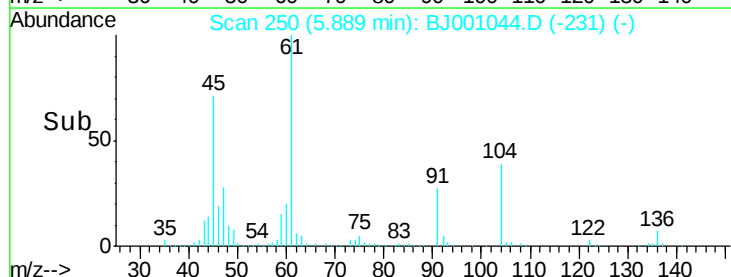
Lab File: BJ001044.D

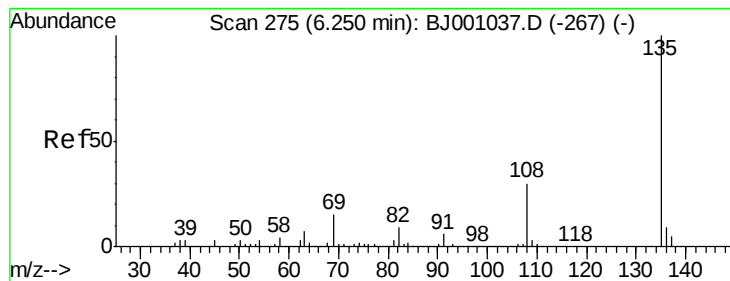
Acq: 20 Jul 2012 15:27

Tgt Ion:	61	Resp:	2818039
Ion	Ratio	Lower	Upper
61	100		
45	71.4	49.0	89.0
47	28.1	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: 8.94 ug/mL

RT: 6.25 min Scan# 275

Delta R.T. -0.01 min

Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

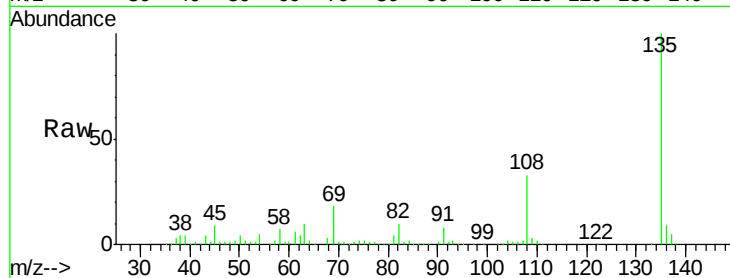
Tgt Ion:135 Resp: 2327991

Ion Ratio Lower Upper

135 100

108 33.2 9.9 49.9

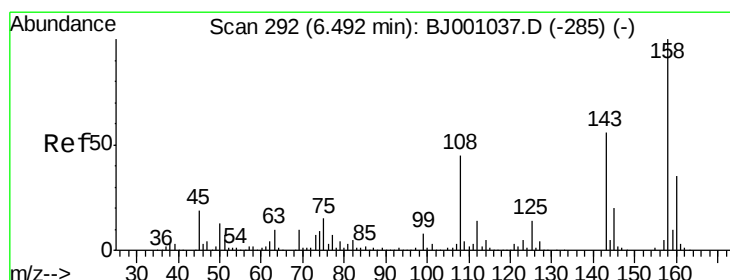
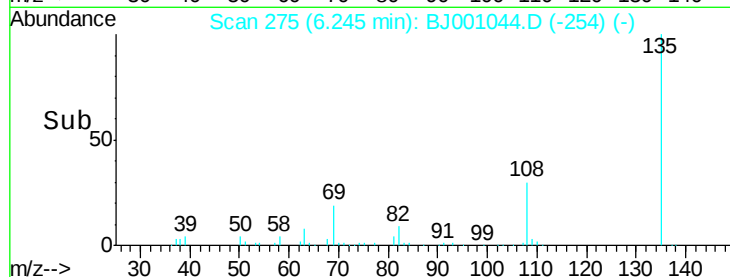
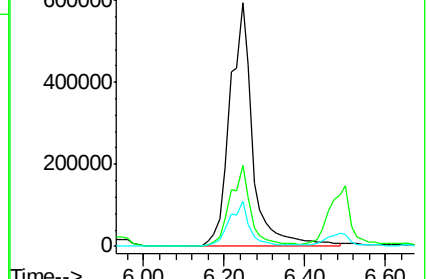
69 18.4 0.0 35.1



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: 8.40 ug/mL

RT: 6.50 min Scan# 293

Delta R.T. 0.01 min

Lab File: BJ001044.D

Acq: 20 Jul 2012 15:27

Tgt Ion:158 Resp: 1341192

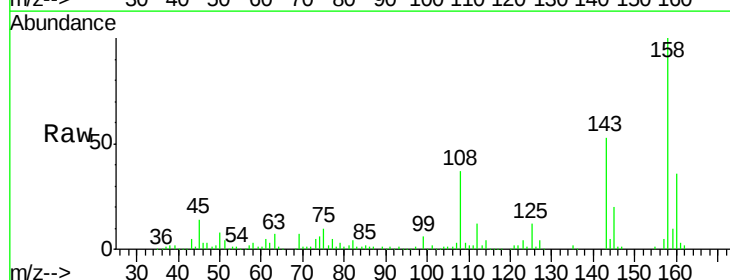
Ion Ratio Lower Upper

158 100

143 53.5 36.2 76.2

108 37.1 25.5 65.5

45 13.7 0.7 40.7

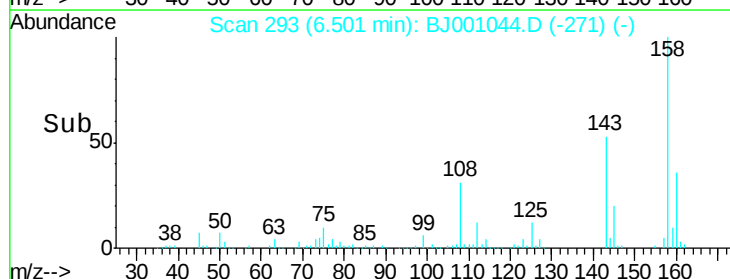
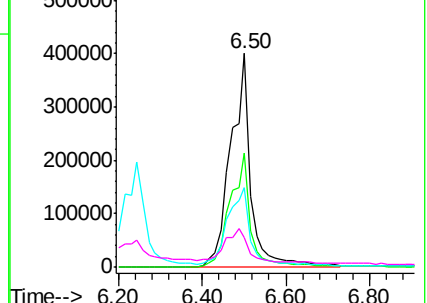


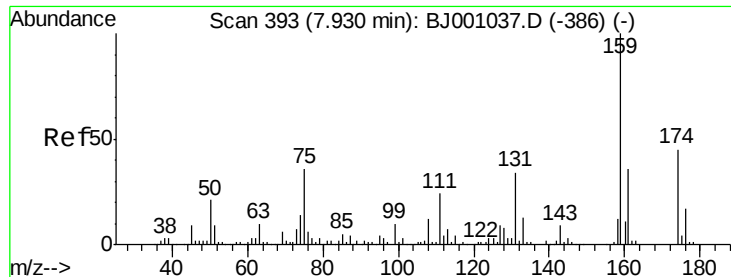
Abundance Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

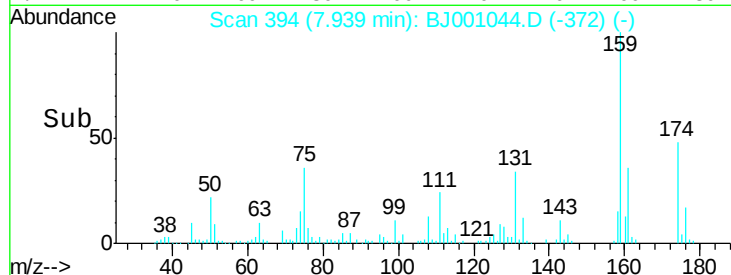
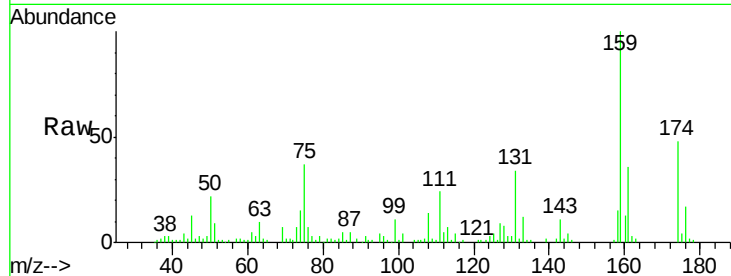
Ion 45.00 (44.70 to 45.70): BJO



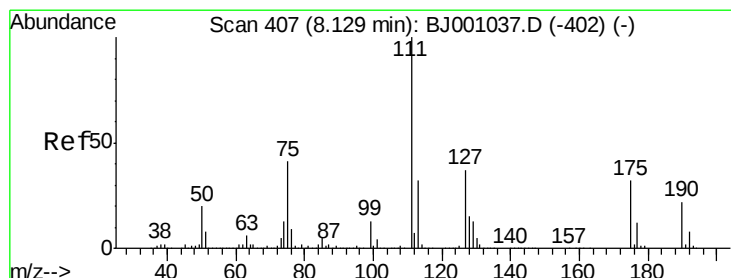
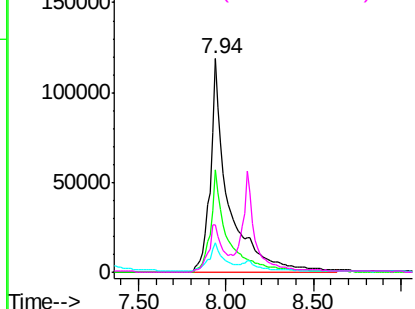


#13
p-Chlorophenylmethylsulfoxide
Concen: 8.86 ug/mL m
RT: 7.94 min Scan# 394
Delta R.T. 0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

Tgt Ion:	159	Resp:	849280
Ion	Ratio	Lower	Upper
159	100		
174	40.0	27.6	67.6
108	10.6	0.0	31.8
50	18.2	2.7	42.7

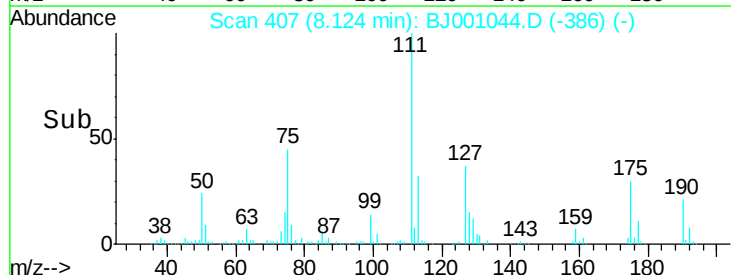
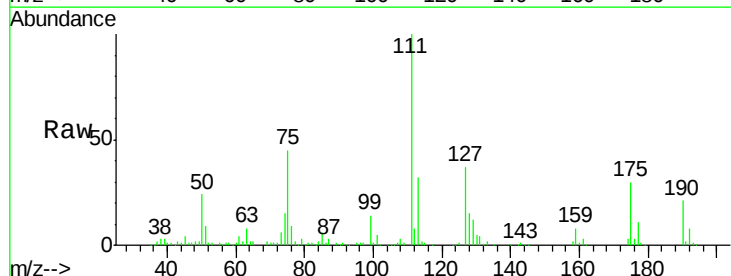


Abundance Ion 159.00 (158.70 to 159.70): E
Ion 174.00 (173.70 to 174.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 50.00 (49.70 to 50.70): BJ0

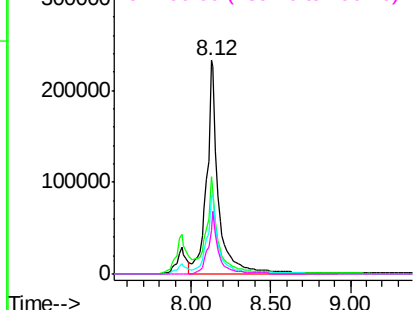


#14
p-Chlorophenylmethylsulfone
Concen: 7.84 ug/mL m
RT: 8.12 min Scan# 407
Delta R.T. -0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

Tgt Ion:	111	Resp:	1248861
Ion	Ratio	Lower	Upper
111	100		
75	45.5	22.6	62.6
127	36.6	17.2	57.2
190	20.6	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 : BJ001044.D
 Acq On : 20 Jul 2012 15:27
 Operator : HLM
 Sample : PB64247BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 21 05:01:02 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	251106	2.00	ug/mL	-0.02
6) Naphthalene-d8	5.95	136	1011363	2.00	ug/mL	0.00

System Monitoring Compounds						
10) Tripropylphosphate	7.01	99	169907	0.46	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.00%
12) 2-Bromothioanisole	7.26	204	345718	4.37	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.73	94	447501m	4.76	ug/mL	
3) DMMP	3.54	79	209859m	1.86	ug/mL	
4) DIMP	4.91	97	813121	3.48	ug/mL#	78
5) 1,4-Oxathiane	3.67	46	399331	3.42	ug/mL#	65
7) 1,4-Dithiane	5.09	46	390561	4.11	ug/mL	90
8) Thiodiglycol	5.89	61	2818039m	34.93	ug/mL	
9) Benzothiazole	6.25	135	2327991	8.94	ug/mL	93
11) p-Chlorophenylmethyldisulfid	6.50	158	1341192	8.40	ug/mL	91
13) p-Chlorophenylmethyldisulfox	7.94	159	849280m	8.86	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.12	111	1248861m	7.84	ug/mL	

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