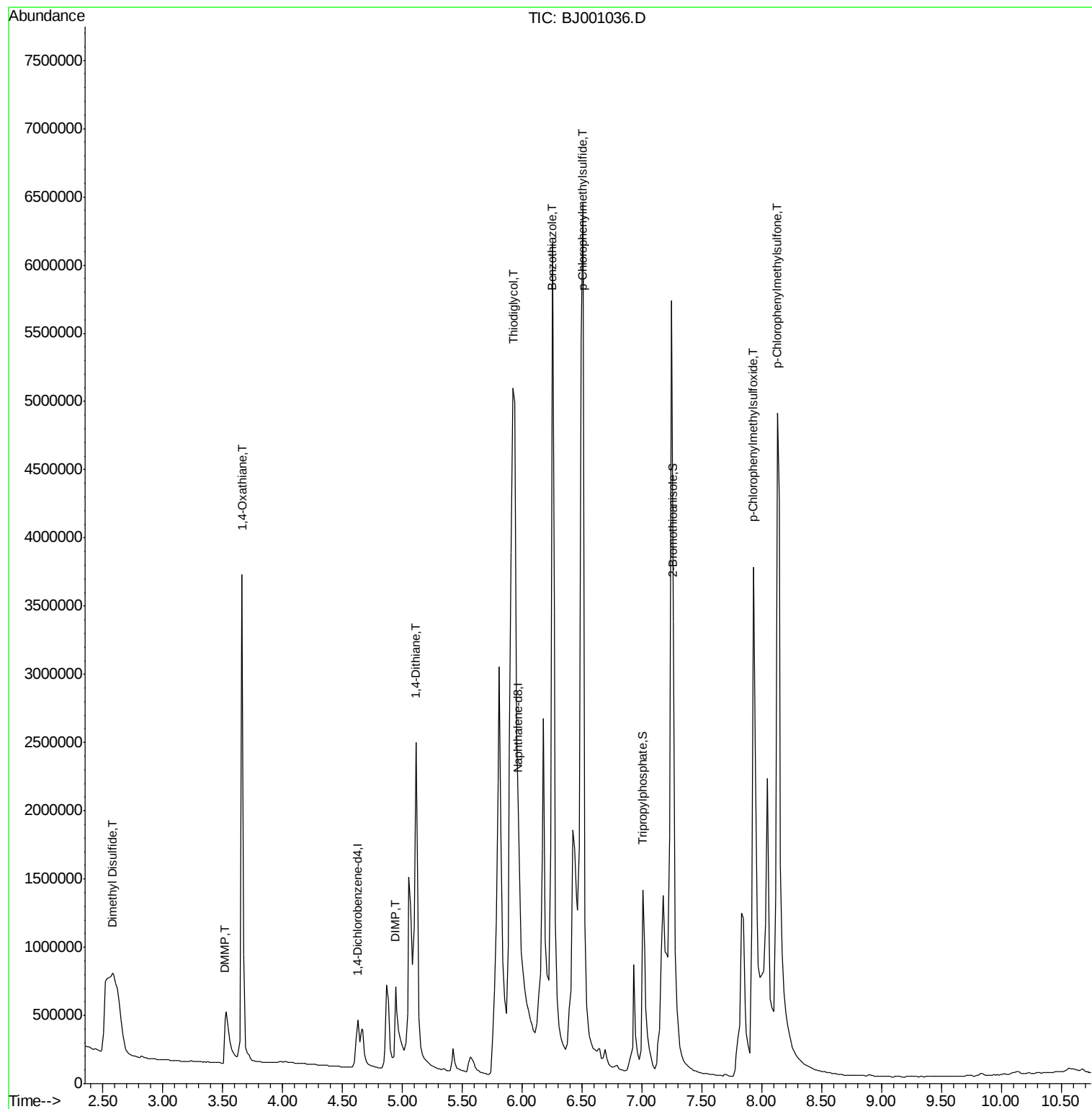
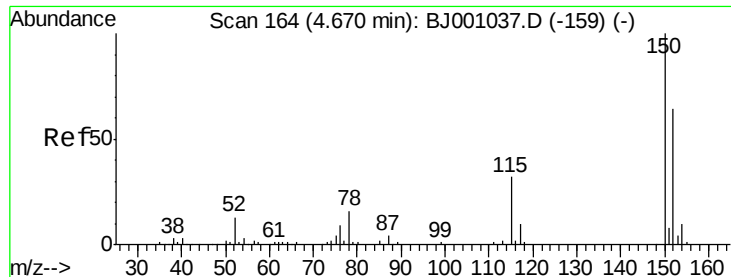


Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001036.D
Acq On : 20 Jul 2012 12:06
Operator : HLM
Sample : CWA-5
Misc : BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 21 05:00:10 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jul 20 13:59:18 2012
Response via : Initial Calibration

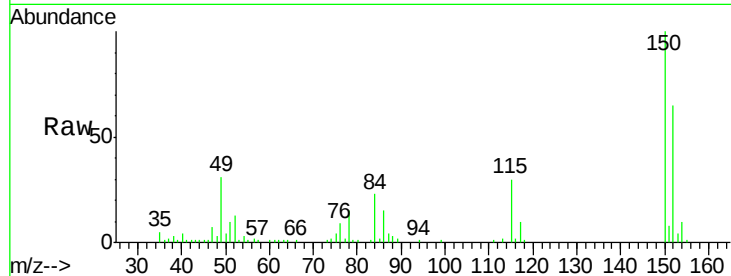




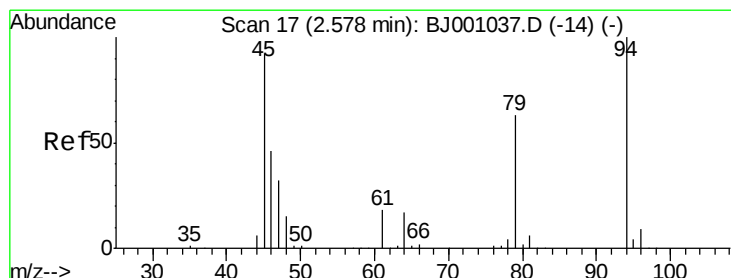
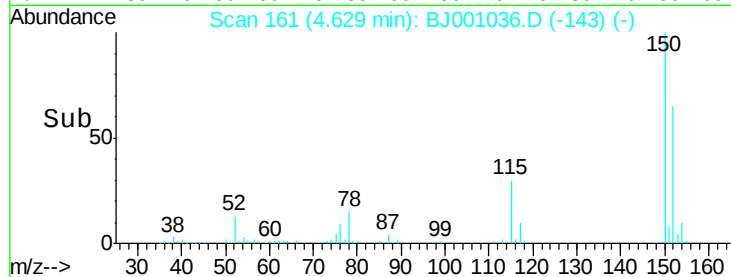
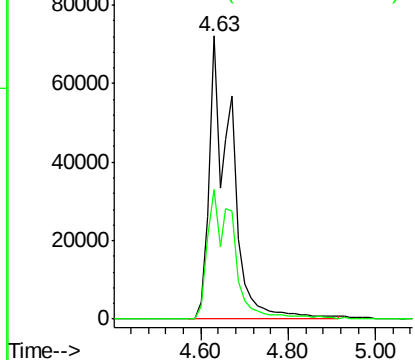
#1

1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.63 min Scan# 161
 Delta R.T. -0.04 min
 Lab File: BJ001036.D
 Acq: 20 Jul 2012 12:06

Tgt Ion: 152 Resp: 250783
 Ion Ratio Lower Upper
 152 100
 115 45.9 29.0 69.0



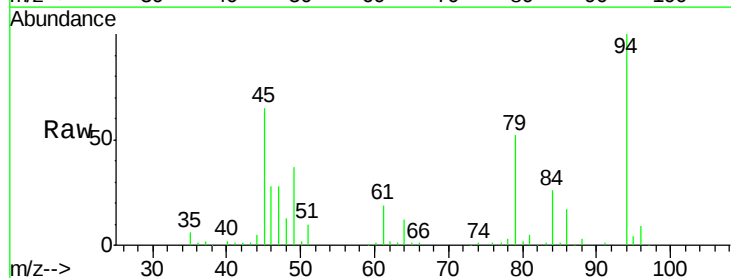
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 115.00 (114.70 to 115.70): E



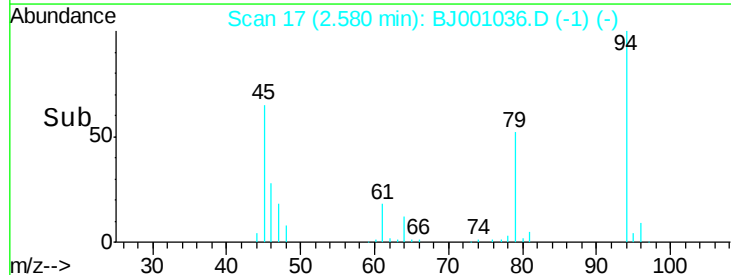
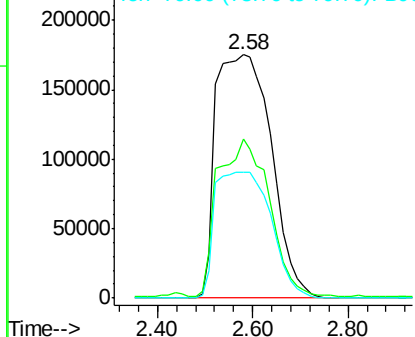
#2

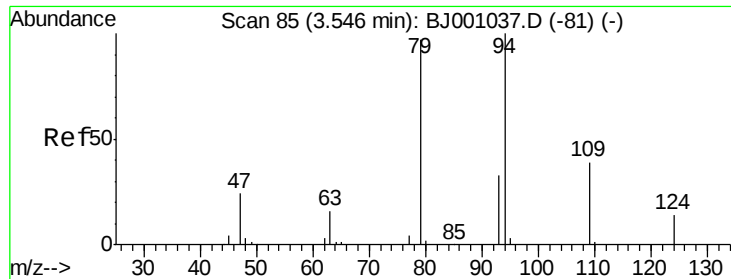
Dimethyl Disulfide
 Concen: 16.54 ug/mL
 RT: 2.58 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: BJ001036.D
 Acq: 20 Jul 2012 12:06

Tgt Ion: 94 Resp: 1408437
 Ion Ratio Lower Upper
 94 100
 45 65.4 75.2 115.2#
 79 51.9 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: 6.16 ug/mL m

RT: 3.52 min Scan# 83

Delta R.T. -0.03 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

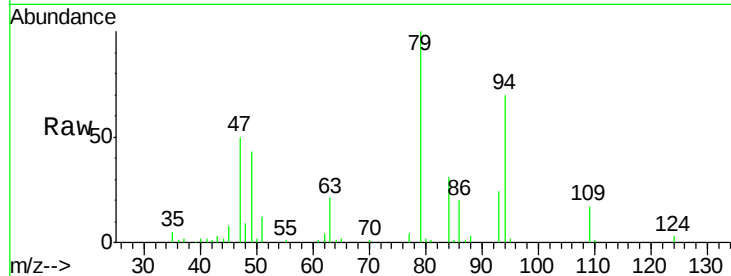
Tgt Ion: 79 Resp: 582744

Ion Ratio Lower Upper

79 100

94 69.6 83.0 123.0#

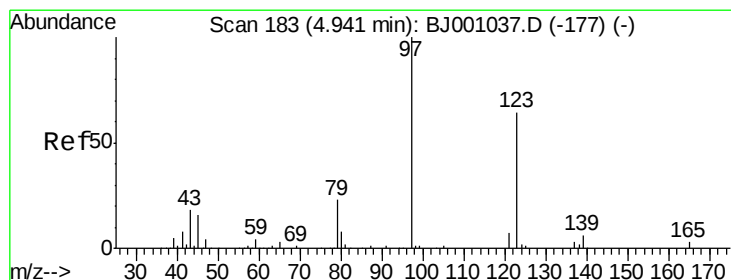
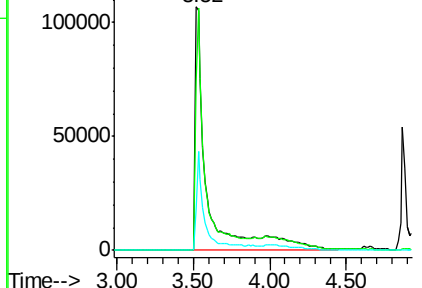
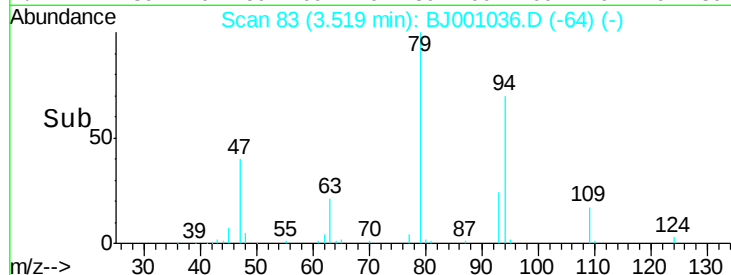
109 17.0 20.0 60.0#



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: 5.43 ug/mL m

RT: 4.94 min Scan# 183

Delta R.T. 0.00 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

Tgt Ion: 97 Resp: 1164014

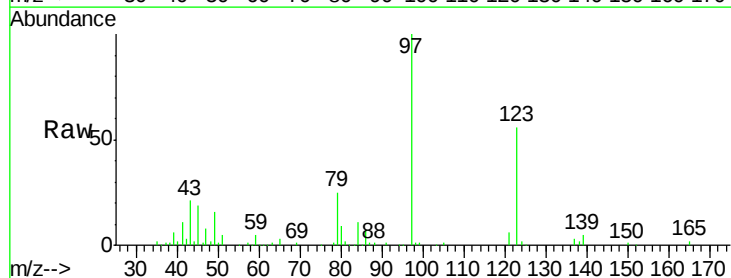
Ion Ratio Lower Upper

97 100

123 56.1 43.8 83.8

43 21.5 0.0 38.6

41 10.7 0.0 29.1

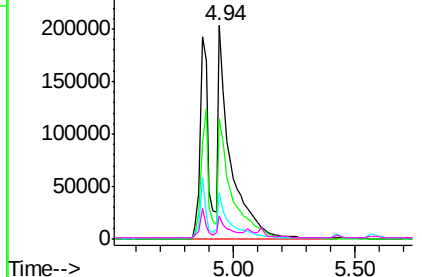
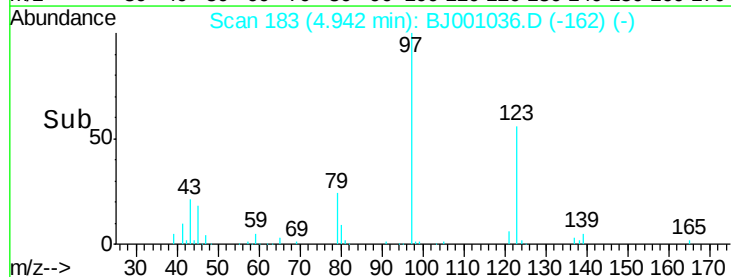


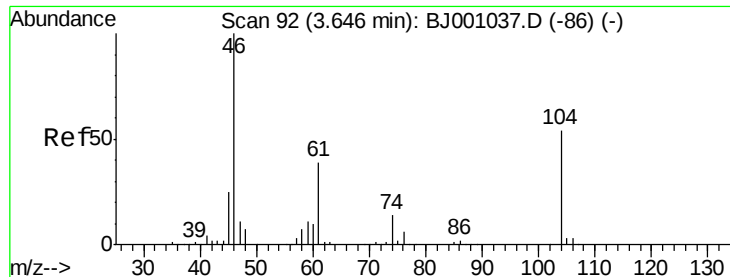
Abundance Ion 97.00 (96.70 to 97.70): BJ0

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: 15.68 ug/mL

RT: 3.66 min Scan# 93

Delta R.T. 0.02 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

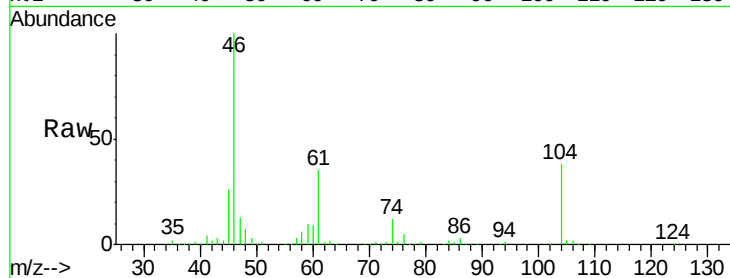
Tgt Ion: 46 Resp: 1313296

Ion	Ratio	Lower	Upper
46	100		
61	35.5	19.4	59.4
104	37.8	34.1	74.1

46 100

61 35.5 19.4 59.4

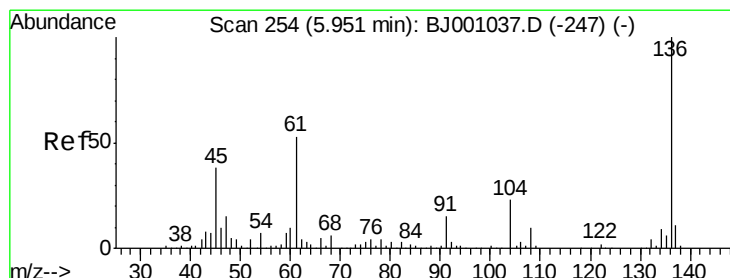
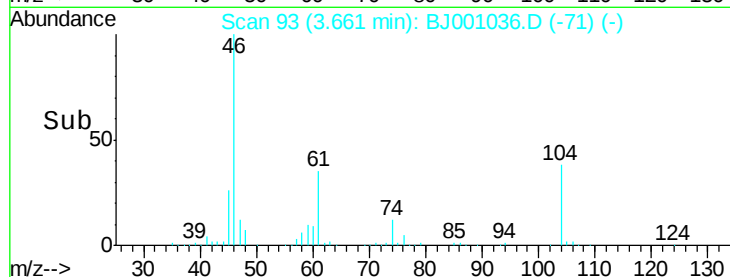
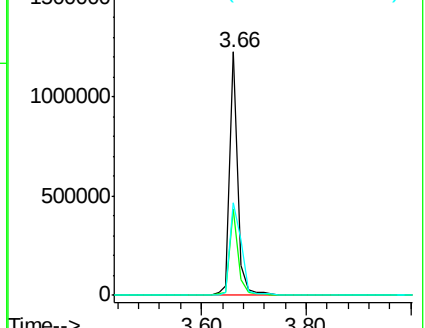
104 37.8 34.1 74.1



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 m

RT: 5.97 min Scan# 255

Delta R.T. 0.02 min

Lab File: BJ001036.D

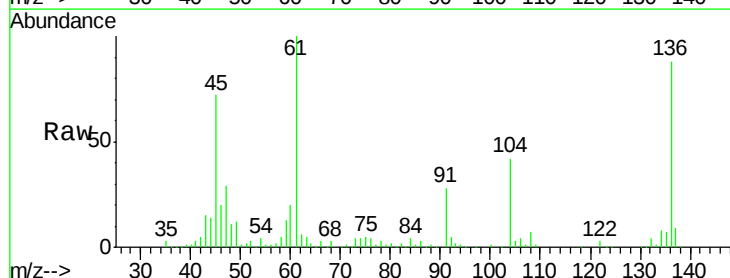
Acq: 20 Jul 2012 12:06

Tgt Ion: 136 Resp: 983565

Ion	Ratio	Lower	Upper
136	100		
68	4.0	0.0	25.5

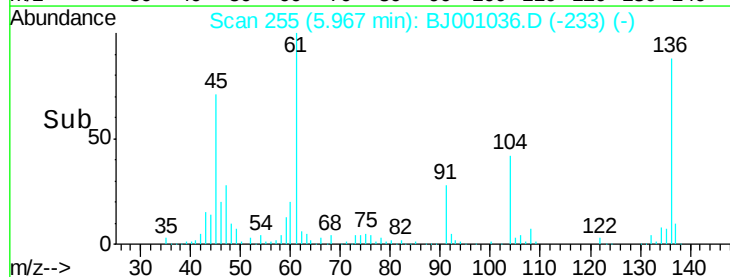
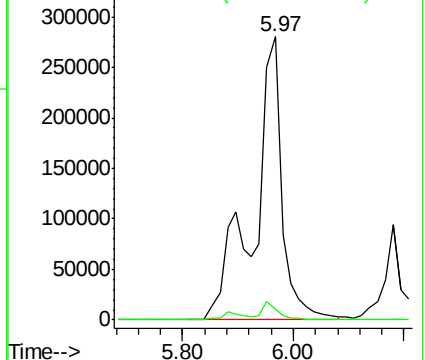
136 100

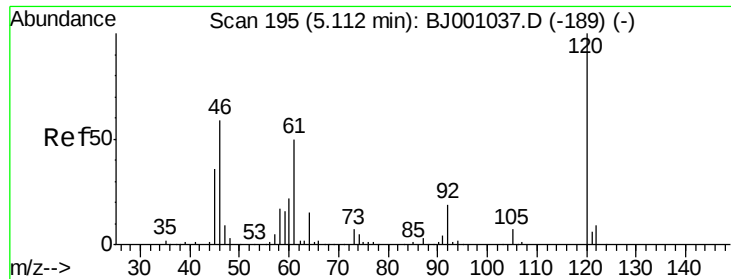
68 4.0 0.0 25.5



Abundance Ion 136.00 (135.70 to 136.70): BJ0

Ion 68.00 (67.70 to 68.70): BJ0





#7

1,4-Dithiane

Concen: 16.88 ug/mL m

RT: 5.11 min Scan# 195

Delta R.T. 0.00 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

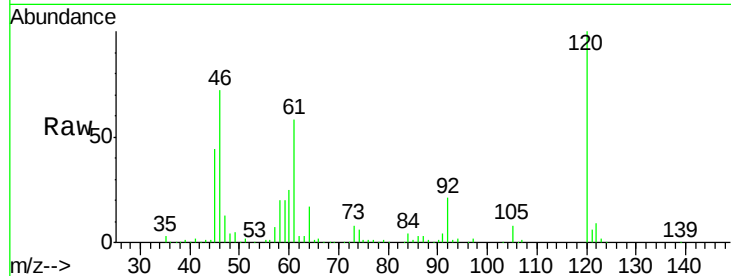
Tgt Ion: 46 Resp: 1182353

Ion Ratio Lower Upper

46 100

61 80.8 63.7 103.7

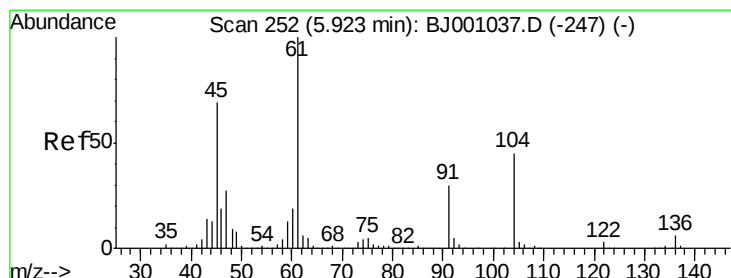
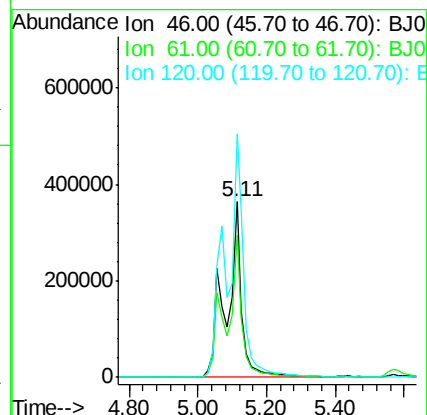
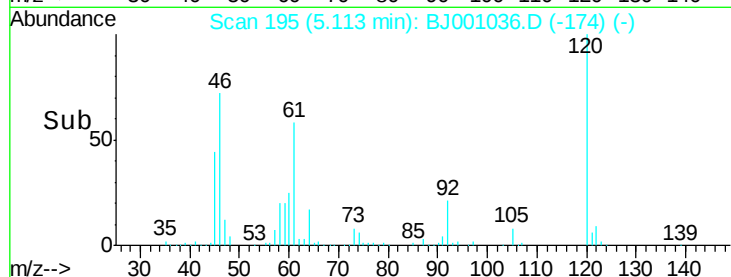
120 138.6 148.0 188.0#



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: 117.36 ug/mL m

RT: 5.92 min Scan# 252

Delta R.T. 0.00 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

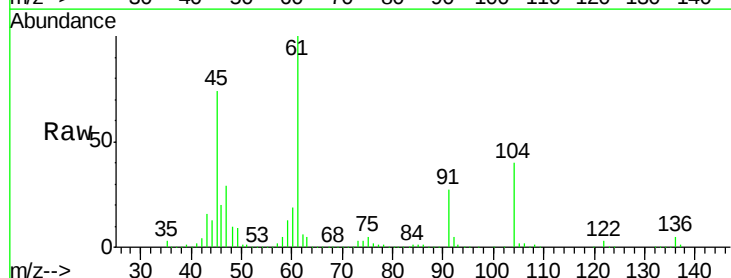
Tgt Ion: 61 Resp: 8283570

Ion Ratio Lower Upper

61 100

45 73.5 49.0 89.0

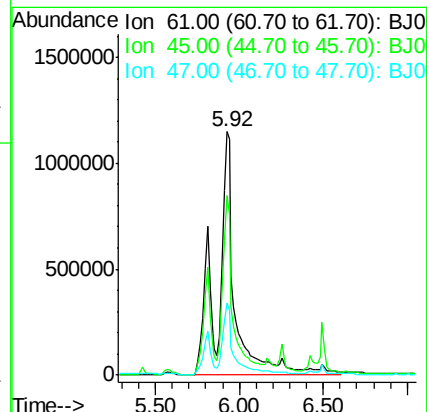
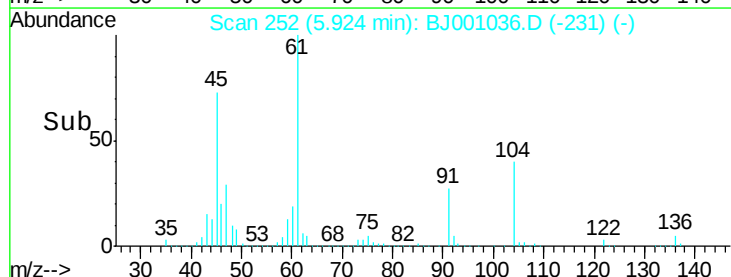
47 29.4 7.6 47.6

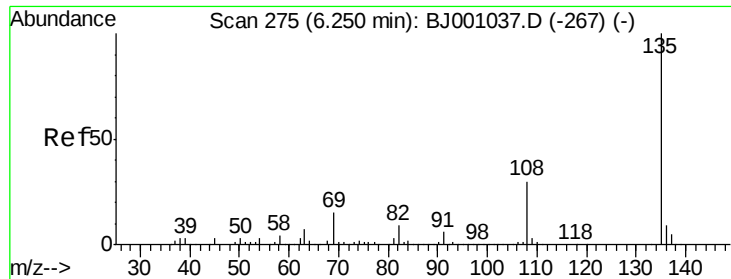


Abundance Ion 61.00 (60.70 to 61.70): BJ0

Ion 45.00 (44.70 to 45.70): BJ0

Ion 47.00 (46.70 to 47.70): BJ0





#9

Benzothiazole

Concen: 24.76 ug/mL m

RT: 6.25 min Scan# 275

Delta R.T. 0.00 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

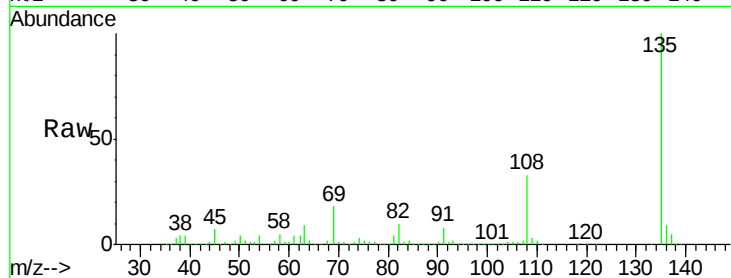
Tgt Ion:135 Resp: 6690986

Ion Ratio Lower Upper

135 100

108 32.7 9.9 49.9

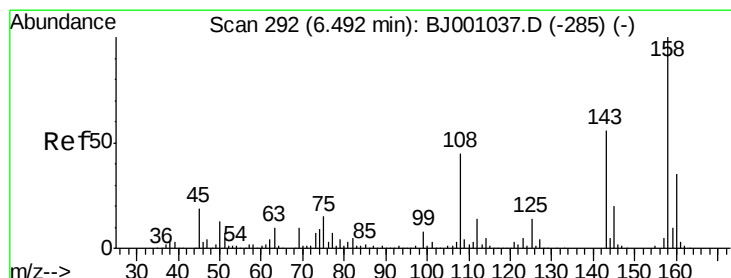
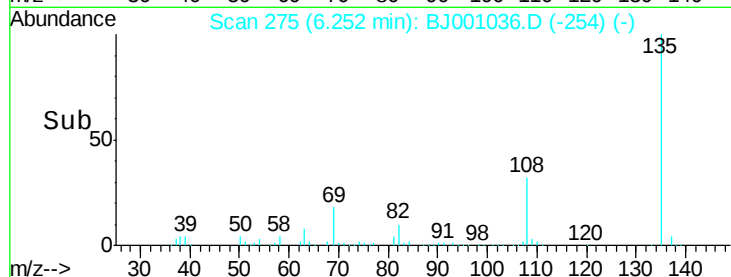
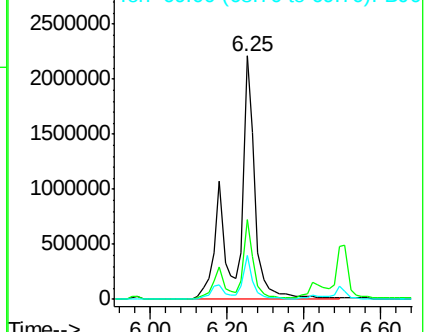
69 18.3 0.0 35.1



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: 23.46 ug/mL m

RT: 6.51 min Scan# 293

Delta R.T. 0.02 min

Lab File: BJ001036.D

Acq: 20 Jul 2012 12:06

Tgt Ion:158 Resp: 3980246

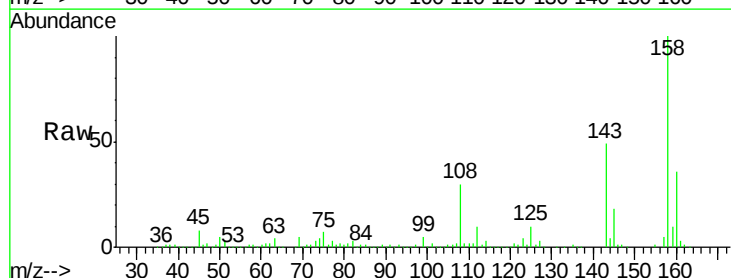
Ion Ratio Lower Upper

158 100

143 49.3 36.2 76.2

108 30.2 25.5 65.5

45 7.9 0.7 40.7

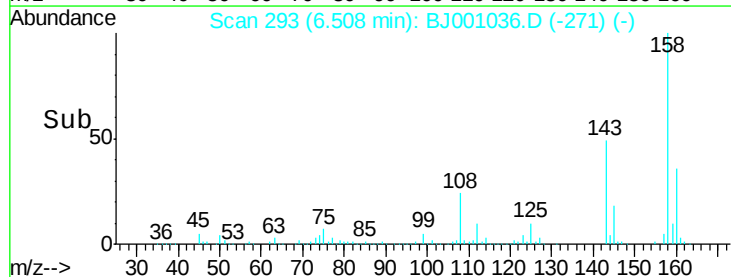
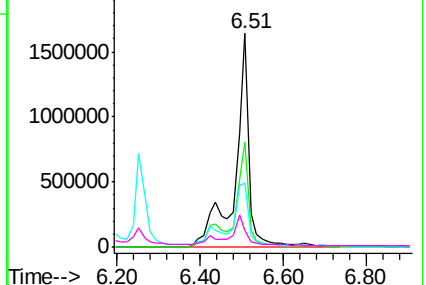


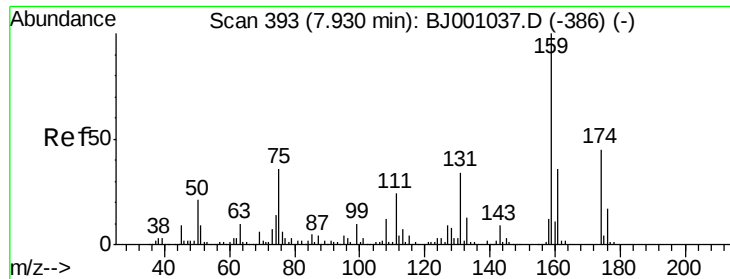
Abundance Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

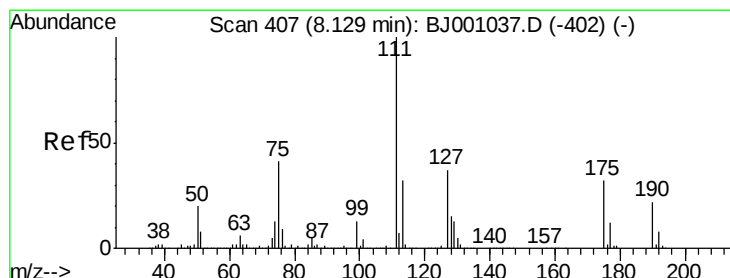
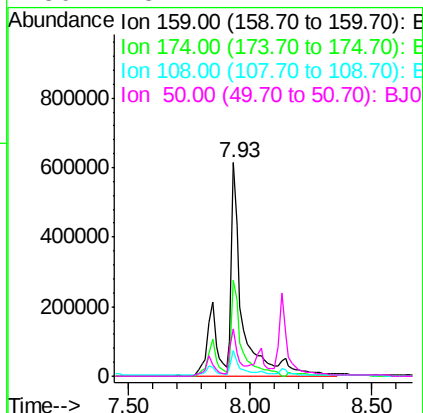
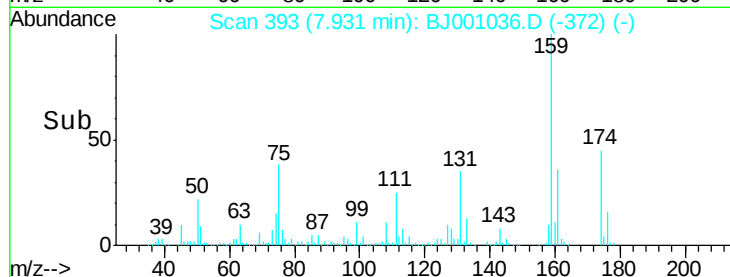
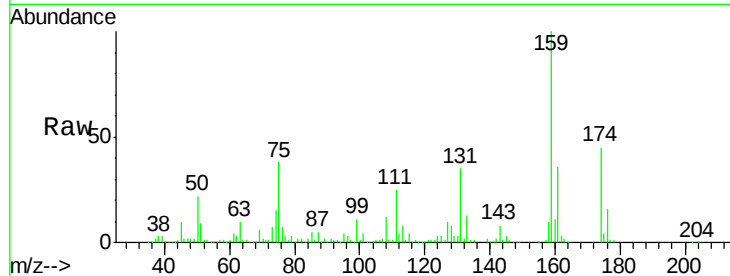
Ion 45.00 (44.70 to 45.70): BJO





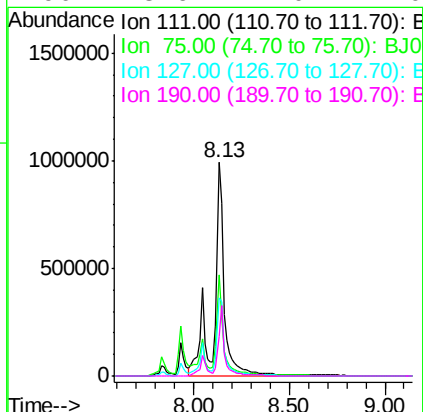
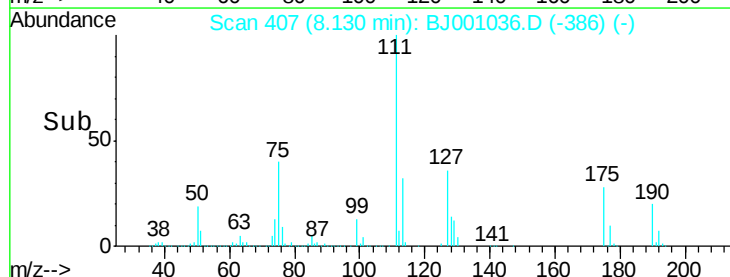
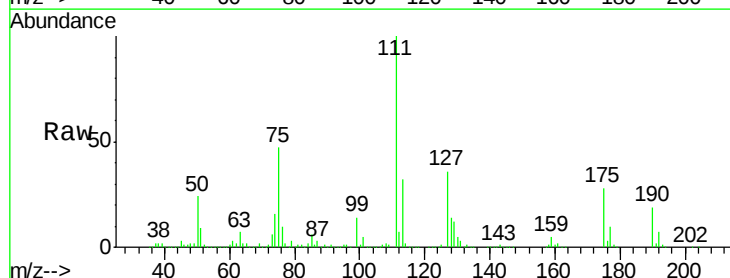
#13
p-Chlorophenylmethylsulfoxide
Concen: 21.90 ug/mL m
RT: 7.93 min Scan# 393
Delta R.T. 0.00 min
Lab File: BJ001036.D
Acq: 20 Jul 2012 12:06

Tgt Ion:159 Resp: 2555247
Ion Ratio Lower Upper
159 100
174 10.7 27.6 67.6#
108 2.9 0.0 31.8
50 5.4 2.7 42.7



#14
p-Chlorophenylmethylsulfone
Concen: 25.66 ug/mL m
RT: 8.13 min Scan# 407
Delta R.T. 0.00 min
Lab File: BJ001036.D
Acq: 20 Jul 2012 12:06

Tgt Ion:111 Resp: 3672403
Ion Ratio Lower Upper
111 100
75 47.1 22.6 62.6
127 36.5 17.2 57.2
190 18.6 2.0 42.0



Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
 Data File : BJ001036.D
 Acq On : 20 Jul 2012 12:06
 Operator : HLM
 Sample : CWA-5
 Misc : BNA_J HLM
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 21 05:00:10 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jul 20 13:59:18 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.63	152	250783	2.00	ug/mL	-0.04
6) Naphthalene-d8	5.97	136	983565m	2.00	ug/mL	0.02

System Monitoring Compounds						
10) Tripropylphosphate	7.01	99	1956539m	5.09	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	1018.00%#
12) 2-Bromothioanisole	7.26	204	1942160m	28.92	ug/mL	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	578.40%#

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.58	94	1408437	16.54	ug/mL#	76
3) DMMP	3.52	79	582744m	6.16	ug/mL	
4) DIMP	4.94	97	1164014m	5.43	ug/mL	
5) 1,4-Oxathiane	3.66	46	1313296	15.68	ug/mL	84
7) 1,4-Dithiane	5.11	46	1182353m	16.88	ug/mL	
8) Thiodiglycol	5.92	61	8283570m	117.36	ug/mL	
9) Benzothiazole	6.25	135	6690986m	24.76	ug/mL	
11) p-Chlorophenylmethyldisulfid	6.51	158	3980246m	23.46	ug/mL	
13) p-Chlorophenylmethyldisulfox	7.93	159	2555247m	21.90	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.13	111	3672403m	25.66	ug/mL	

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