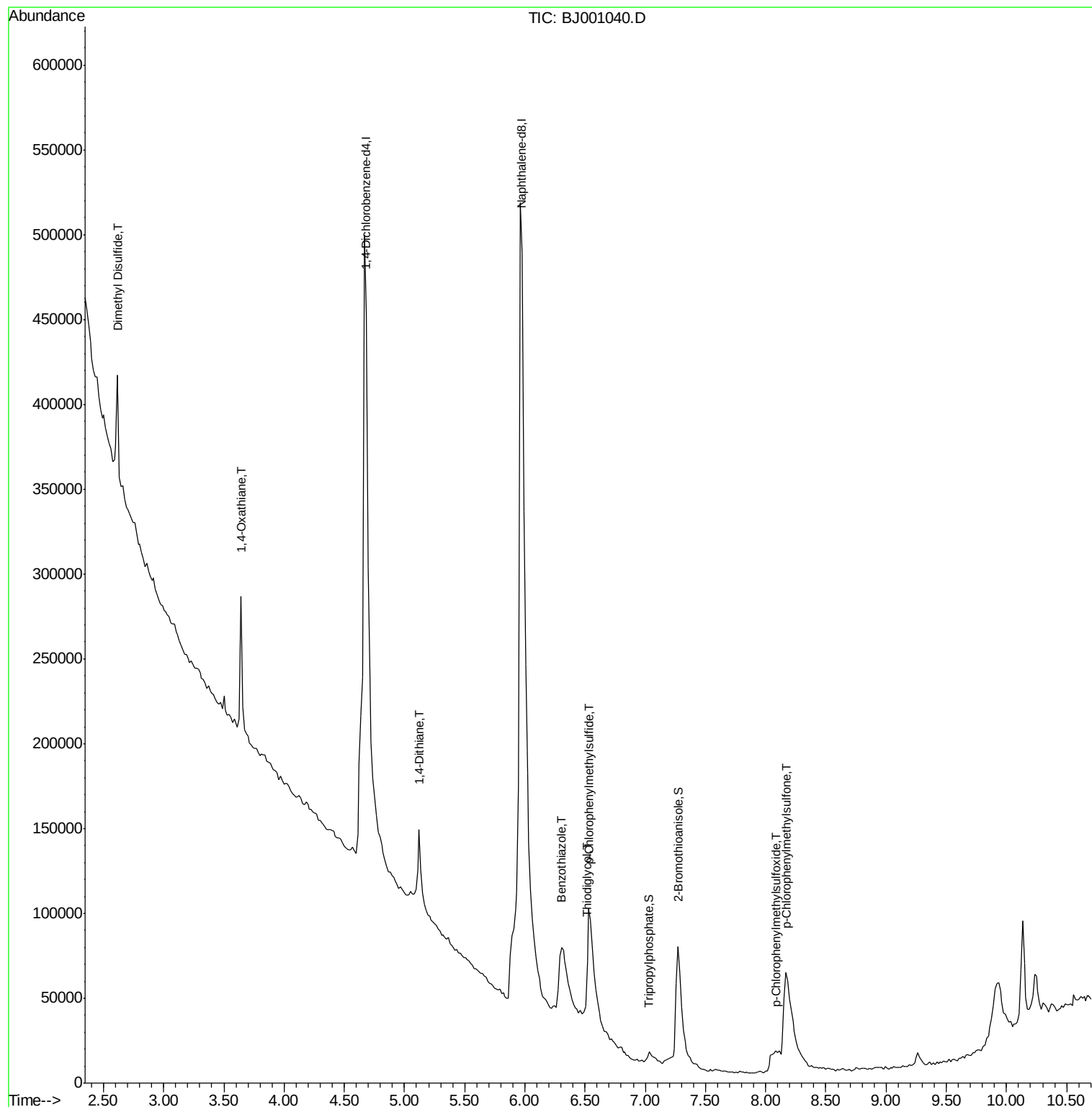
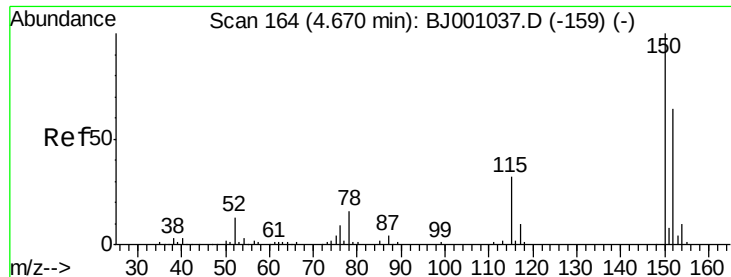


Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001040.D
Acq On : 20 Jul 2012 13:17
Operator : HLM
Sample : CWA-1
Misc : BNA_J HLM
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 21 04:57:36 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

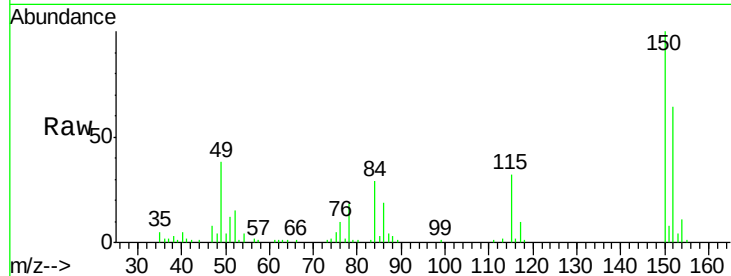




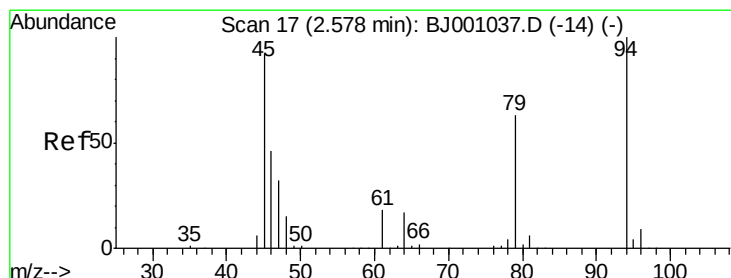
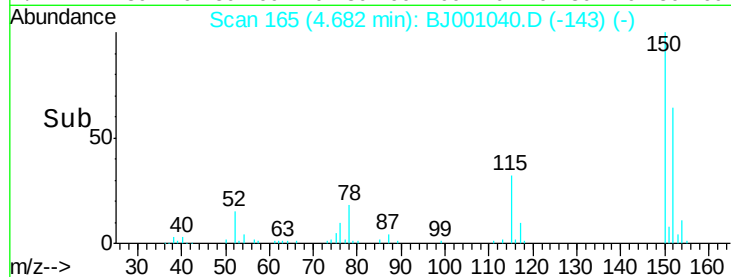
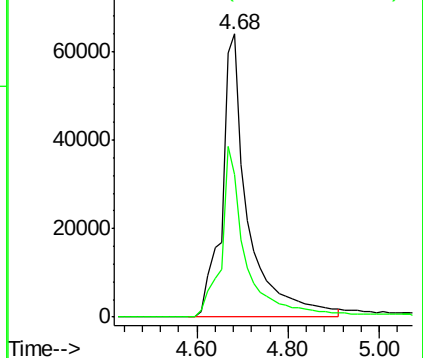
#1

1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.68 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: BJ001040.D
 Acq: 20 Jul 2012 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	29.0	69.0



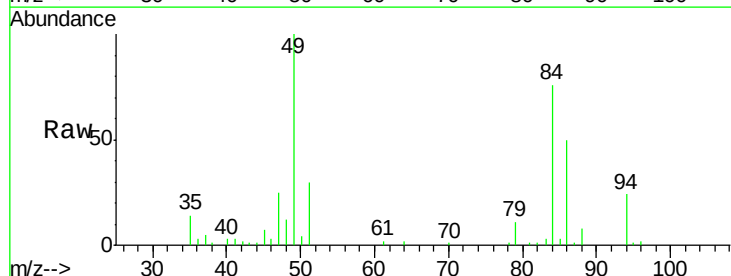
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 115.00 (114.70 to 115.70): E



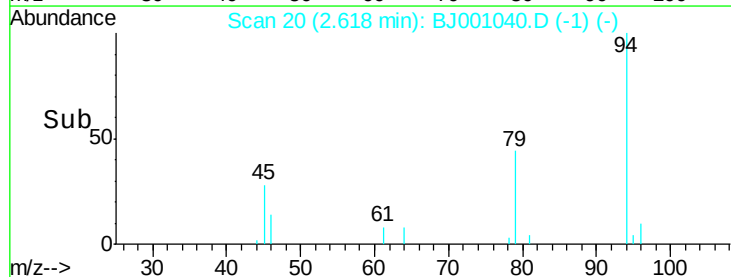
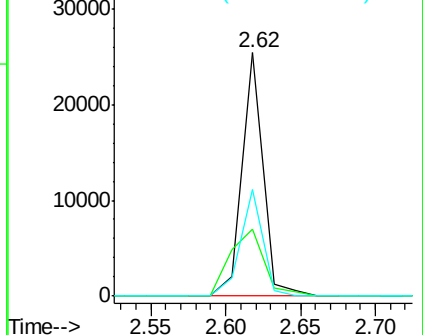
#2

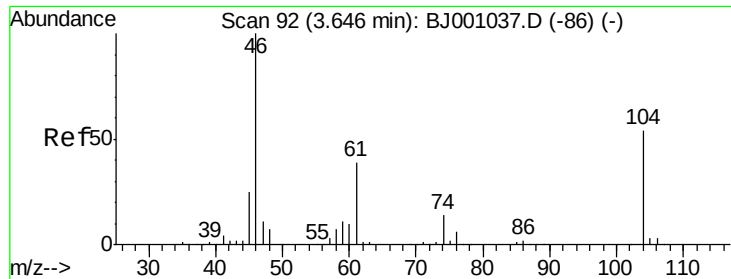
Dimethyl Disulfide
 Concen: 0.29 ug/mL
 RT: 2.62 min Scan# 20
 Delta R.T. 0.04 min
 Lab File: BJ001040.D
 Acq: 20 Jul 2012 13:17

Tgt Ion	Ratio	Lower	Upper
94	100		
45	27.7	75.2	115.2#
79	43.9	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





#5

1,4-Oxathiane

Concen: 0.37 ug/mL

RT: 3.64 min Scan# 92

Delta R.T. -0.00 min

Lab File: BJ001040.D

Acq: 20 Jul 2012 13:17

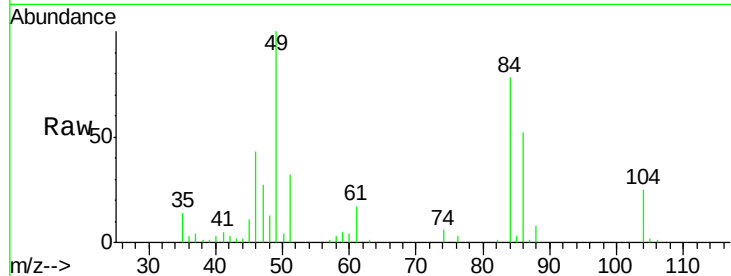
Tgt Ion: 46 Resp: 31153

Ion Ratio Lower Upper

46 100

61 39.8 19.4 59.4

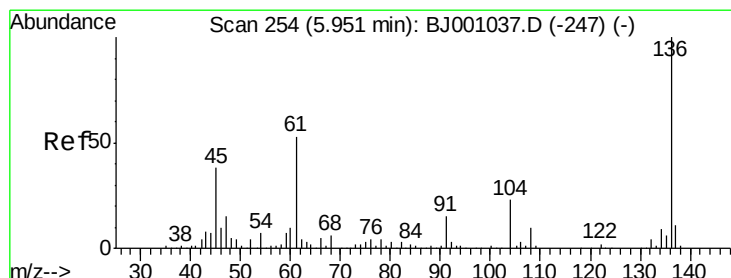
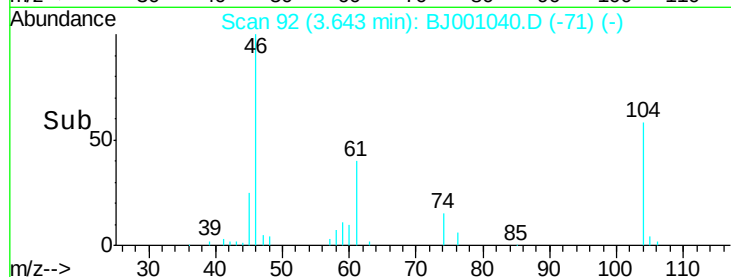
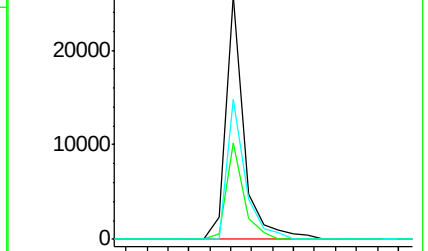
104 57.6 34.1 74.1



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) (-)



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.98 min Scan# 256

Delta R.T. 0.03 min

Lab File: BJ001040.D

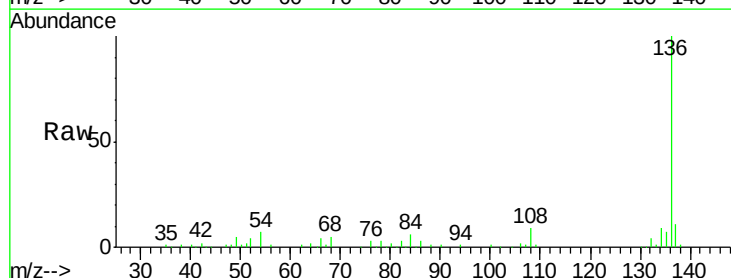
Acq: 20 Jul 2012 13:17

Tgt Ion: 136 Resp: 1048118

Ion Ratio Lower Upper

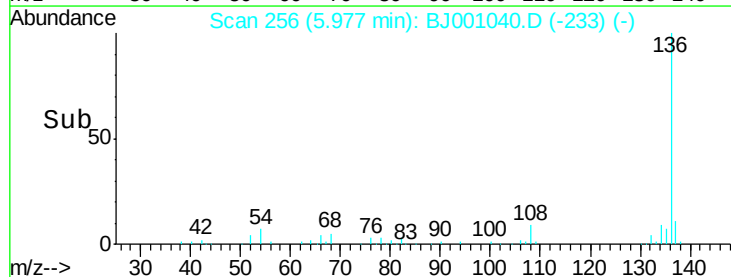
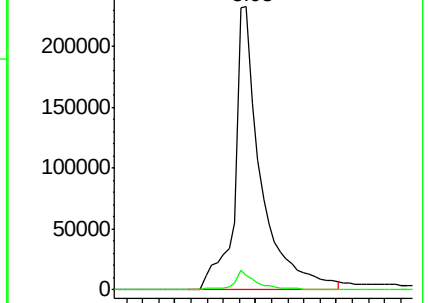
136 100

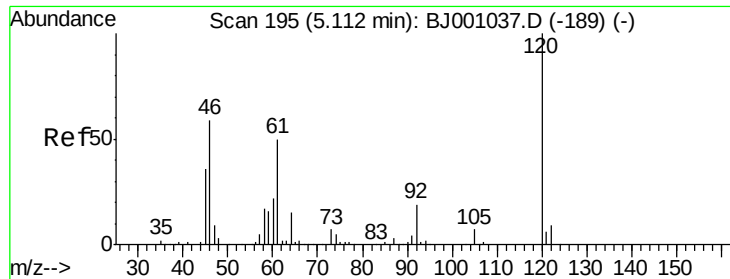
68 5.3 0.0 25.5



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

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





#7

1,4-Dithiane

Concen: 0.32 ug/mL

RT: 5.12 min Scan# 196

Delta R.T. 0.01 min

Lab File: BJ001040.D

Acq: 20 Jul 2012 13:17

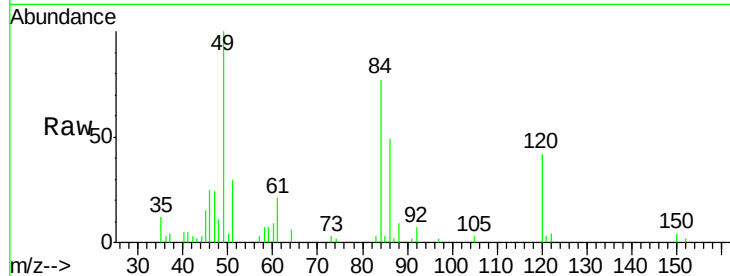
Tgt Ion: 46 Resp: 23743

Ion Ratio Lower Upper

46 100

61 86.0 63.7 103.7

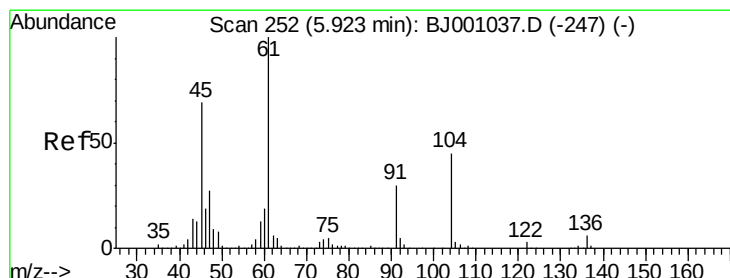
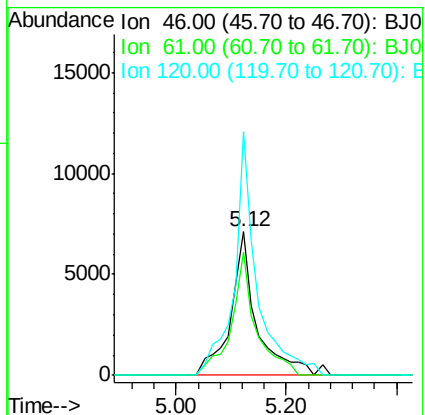
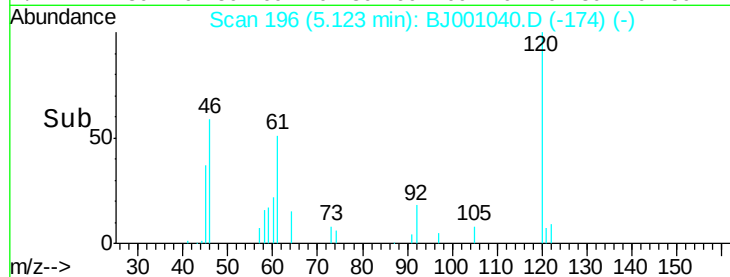
120 170.0 148.0 188.0



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: 3.79 ug/mL m

RT: 6.52 min Scan# 294

Delta R.T. 0.59 min

Lab File: BJ001040.D

Acq: 20 Jul 2012 13:17

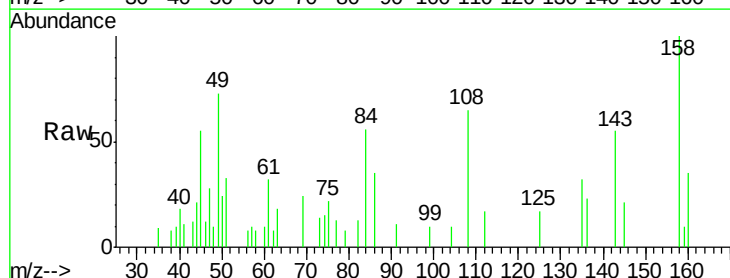
Tgt Ion: 61 Resp: 144324

Ion Ratio Lower Upper

61 100

45 172.8 49.0 89.0#

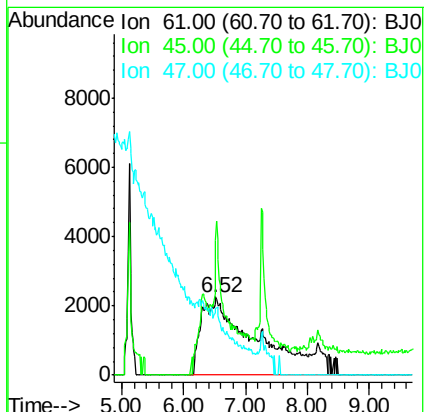
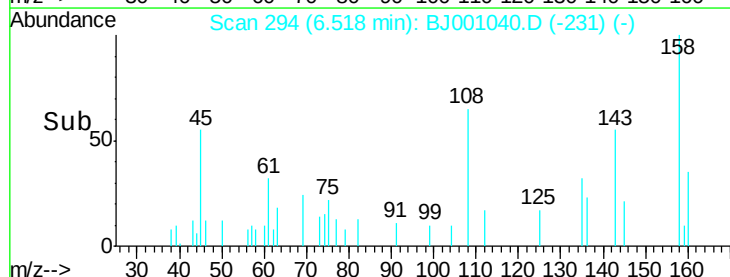
47 86.5 7.6 47.6#

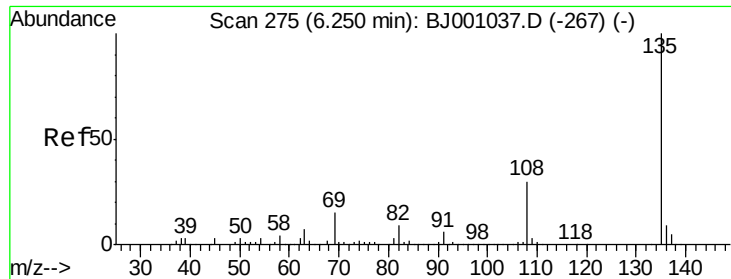


Abundance Ion 61.00 (60.70 to 61.70): BJ0

Ion 45.00 (44.70 to 45.70): BJ0

Ion 47.00 (46.70 to 47.70): BJ0





#9

Benzothiazole

Concen: 0.40 ug/mL

RT: 6.30 min Scan# 279

Delta R.T. 0.05 min

Lab File: BJ001040.D

Acq: 20 Jul 2012 13:17

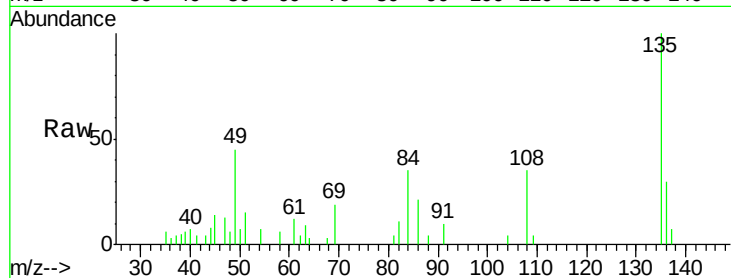
Tgt Ion:135 Resp: 114497

Ion Ratio Lower Upper

135 100

108 34.6 9.9 49.9

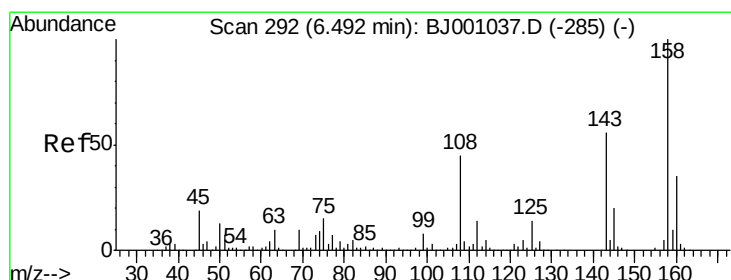
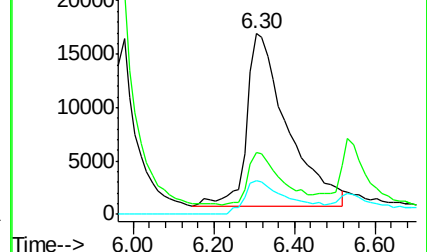
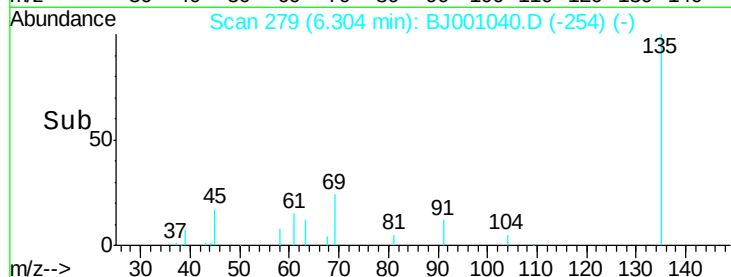
69 19.0 0.0 35.1



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): BJ0



#11

p-Chlorophenylmethylsulfide

Concen: 0.44 ug/mL

RT: 6.53 min Scan# 295

Delta R.T. 0.04 min

Lab File: BJ001040.D

Acq: 20 Jul 2012 13:17

Tgt Ion:158 Resp: 80246

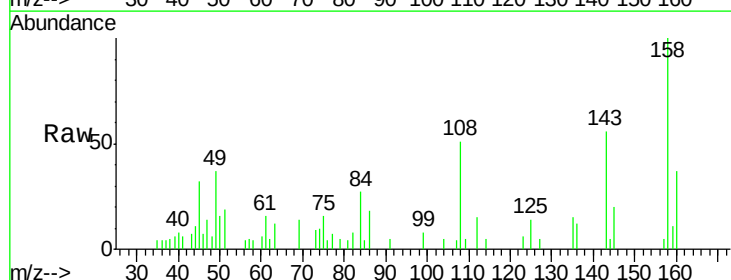
Ion Ratio Lower Upper

158 100

143 55.9 36.2 76.2

108 51.3 25.5 65.5

45 32.2 0.7 40.7

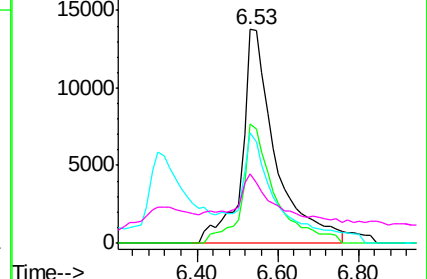
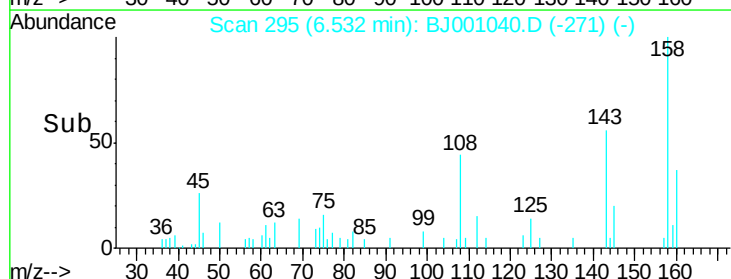


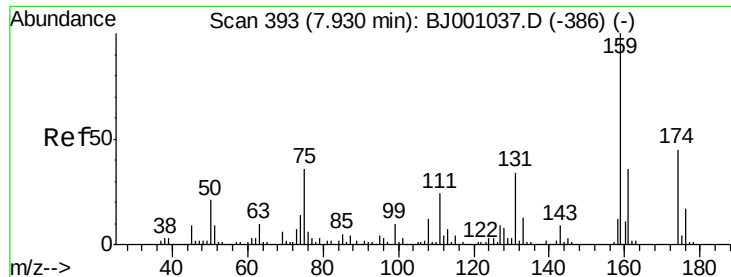
Abundance Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

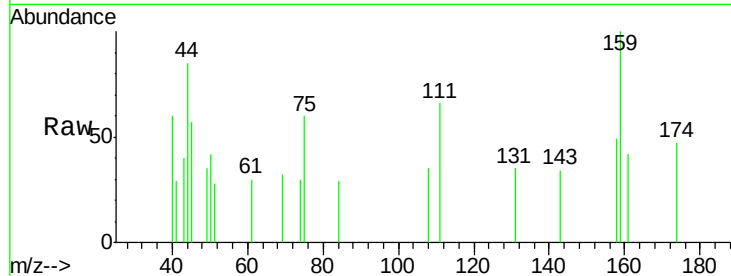
Ion 45.00 (44.70 to 45.70): BJ0



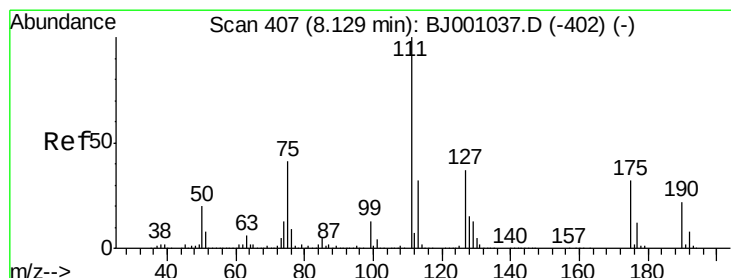
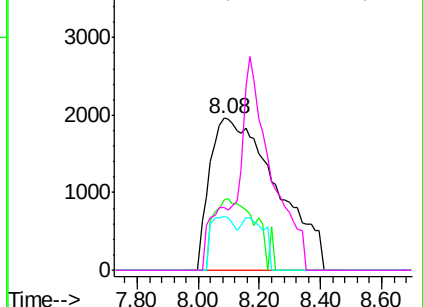
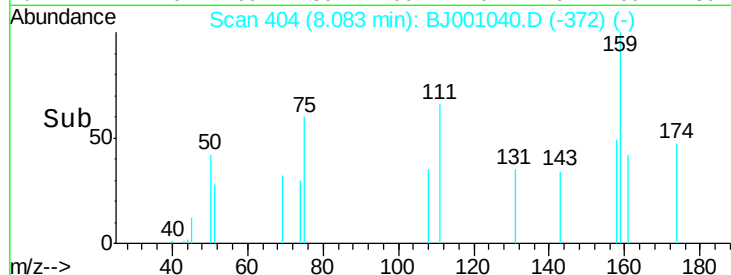


#13
p-Chlorophenylmethylsulfoxide
Concen: 0.35 ug/mL m
RT: 8.08 min Scan# 404
Delta R.T. 0.15 min
Lab File: BJ001040.D
Acq: 20 Jul 2012 13:17

Tgt Ion:159 Resp: 29744
Ion Ratio Lower Upper
159 100
174 28.5 27.6 67.6
108 12.7 0.0 31.8
50 0.0 2.7 42.7#

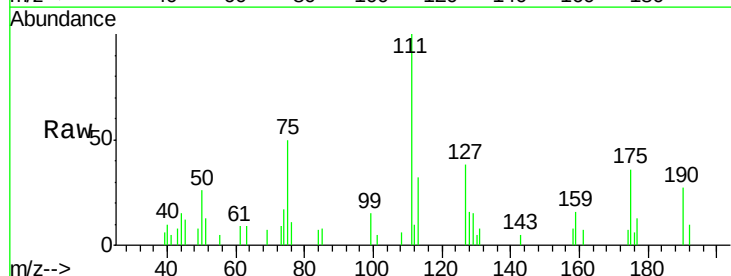


Abundance Ion 159.00 (158.70 to 159.70): E
Ion 174.00 (173.70 to 174.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 50.00 (49.70 to 50.70): BJ0

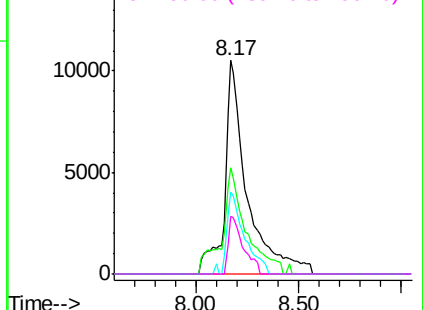
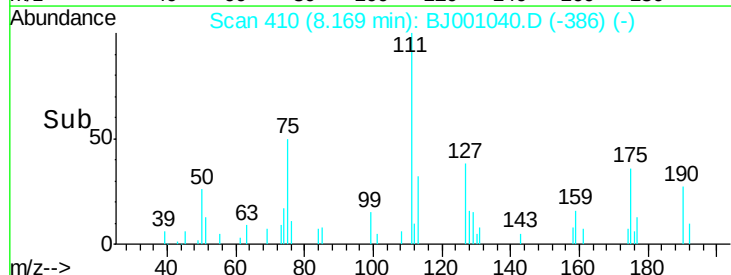


#14
p-Chlorophenylmethylsulfone
Concen: 0.52 ug/mL m
RT: 8.17 min Scan# 410
Delta R.T. 0.04 min
Lab File: BJ001040.D
Acq: 20 Jul 2012 13:17

Tgt Ion:111 Resp: 78853
Ion Ratio Lower Upper
111 100
75 49.9 22.6 62.6
127 38.3 17.2 57.2
190 26.8 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 : BJ001040.D
 Acq On : 20 Jul 2012 13:17
 Operator : HLM
 Sample : CWA-1
 Misc : BNA_J HLM
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 21 04:57:36 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	4.68	152	252656	2.00	ug/mL	0.01
6) Naphthalene-d8	5.98	136	1048118	2.00	ug/mL	0.03

System Monitoring Compounds						
10) Tripropylphosphate	7.03	99	31984m	0.08	ug/mL	0.03
Spiked Amount 0.500	Range	70 - 130	Recovery	=	16.00%#	
12) 2-Bromothioanisole	7.27	204	39189	0.55	ug/mL	0.03
Spiked Amount 5.000	Range	70 - 130	Recovery	=	11.00%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dimethyl Disulfide	2.62	94	24979	0.29	ug/mL#	48
5) 1,4-Oxathiane	3.64	46	31153	0.37	ug/mL	97
7) 1,4-Dithiane	5.12	46	23743	0.32	ug/mL	98
8) Thiodiglycol	6.52	61	144324m	3.79	ug/mL	
9) Benzothiazole	6.30	135	114497	0.40	ug/mL	91
11) p-Chlorophenylmethyldisulfid	6.53	158	80246	0.44	ug/mL	92
13) p-Chlorophenylmethyldisulfox	8.08	159	29744m	0.35	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.17	111	78853m	0.52	ug/mL	

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