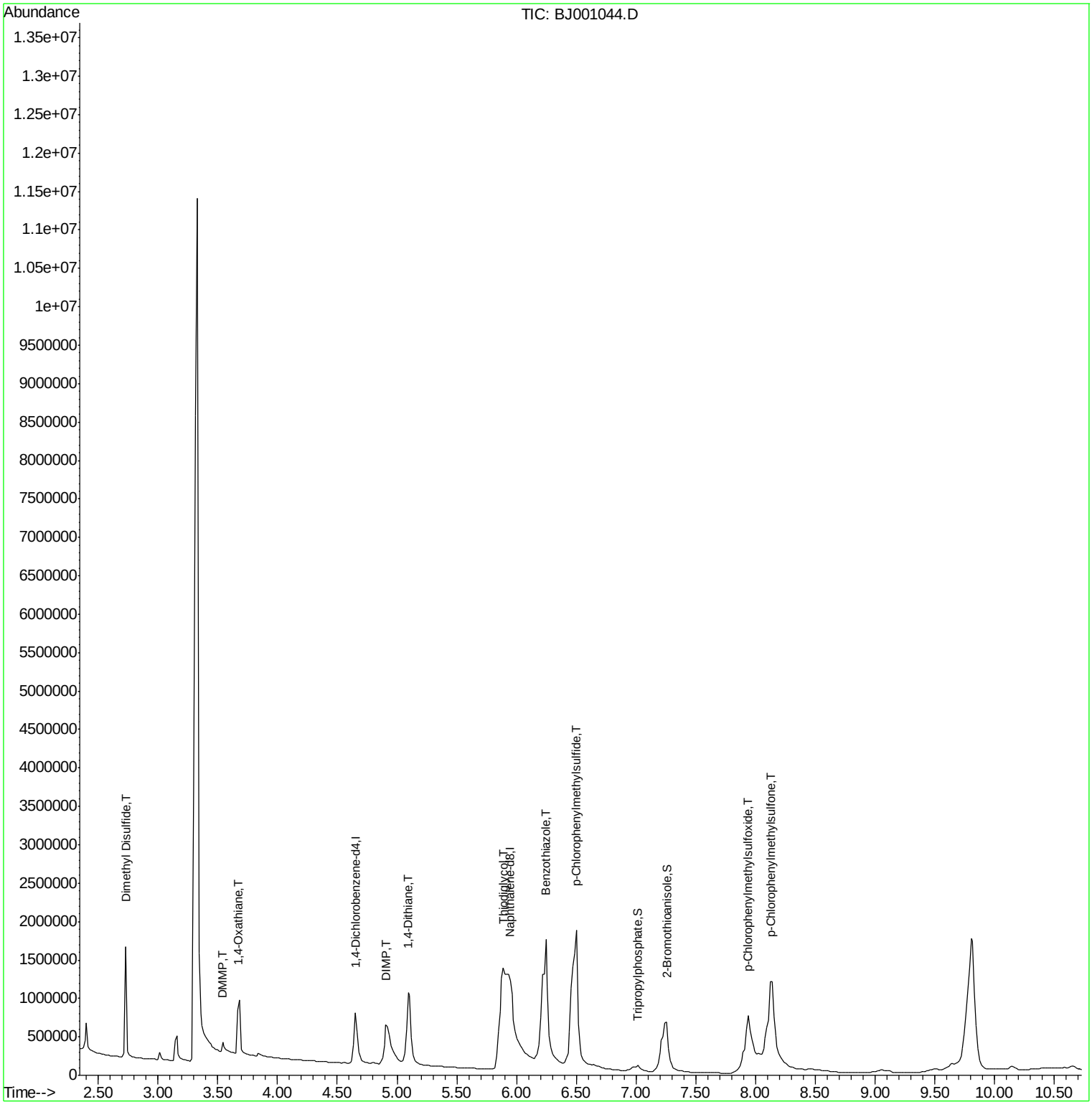
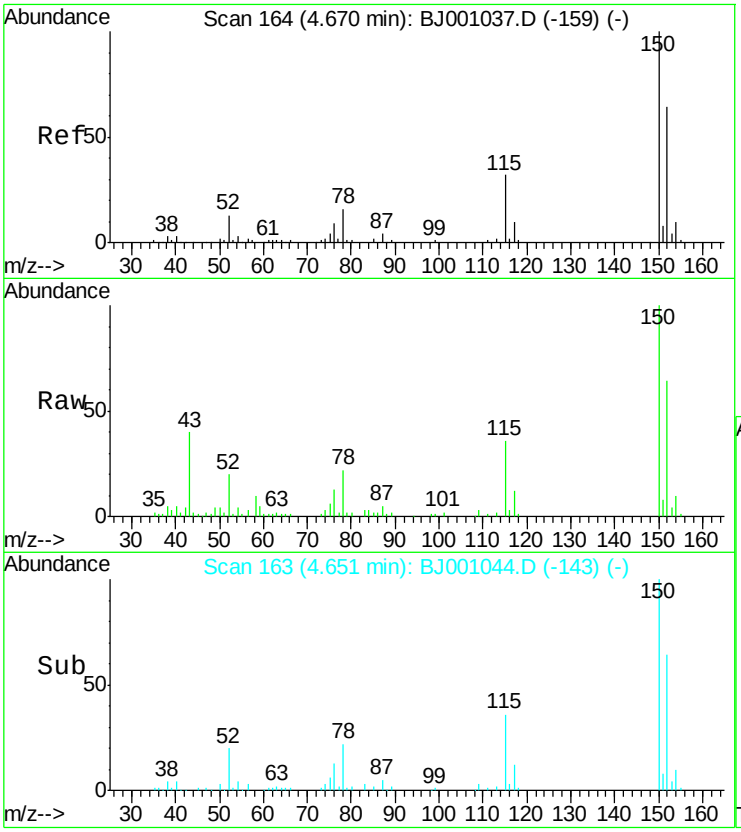
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ072012\
Data File : BJ001044.D
Acq On : 20 Jul 2012 15:27
Operator : HLM
Sample : PB64247BSD
Misc : WATER BNA_J HLM
ALS Vial : 11 Sample Multiplier: 1

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

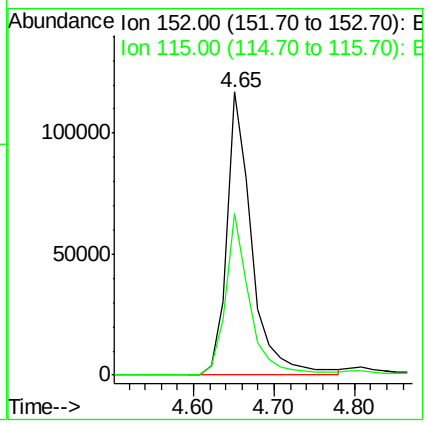


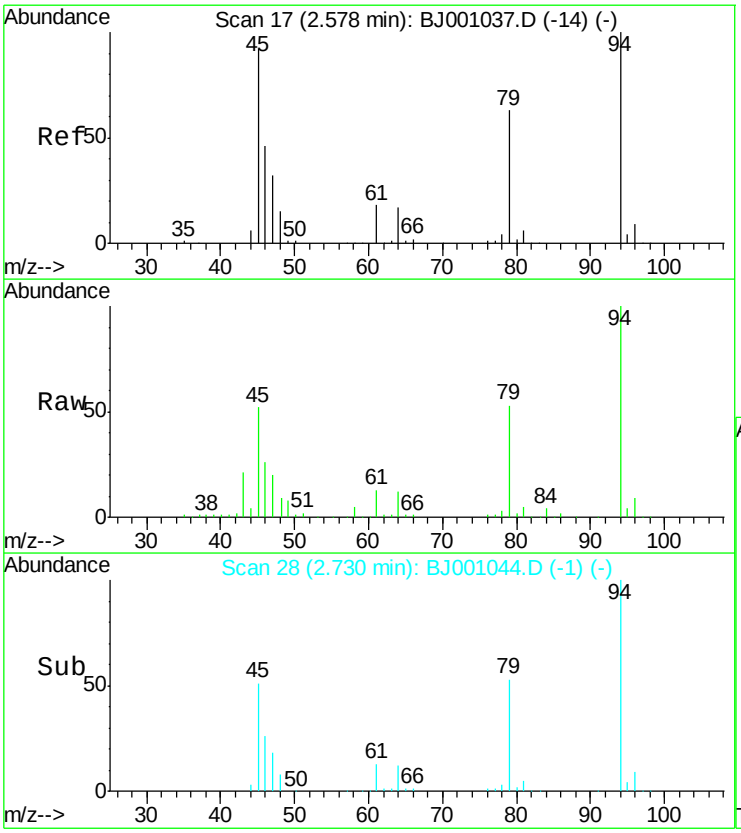


#1
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.65 min Scan# 163
Delta R.T. -0.02 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

Tgt Ion:152 Resp: 251106

Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.0	69.0

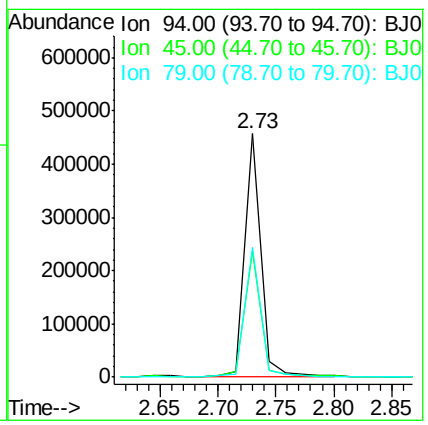


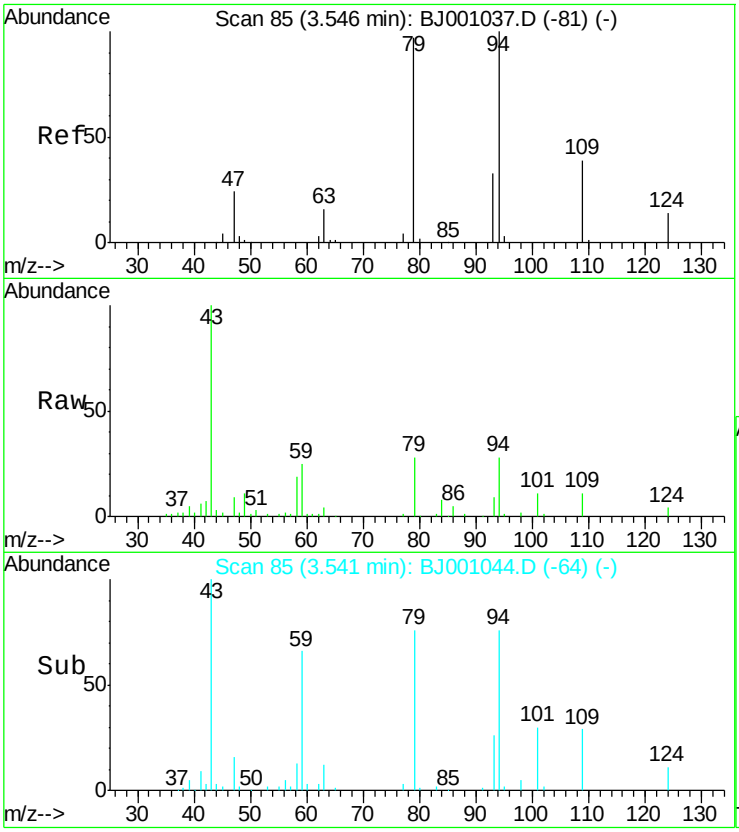


#2
Dimethyl Disulfide
Concen: 4.76 ug/mL m
RT: 2.73 min Scan# 28
Delta R.T. 0.15 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

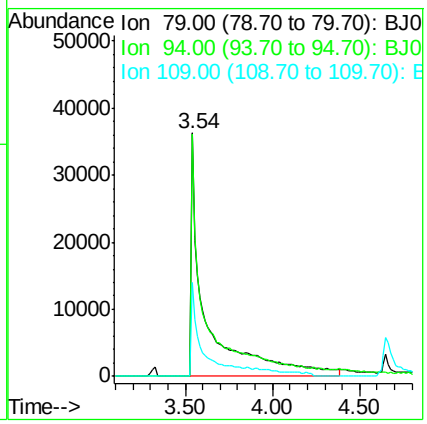


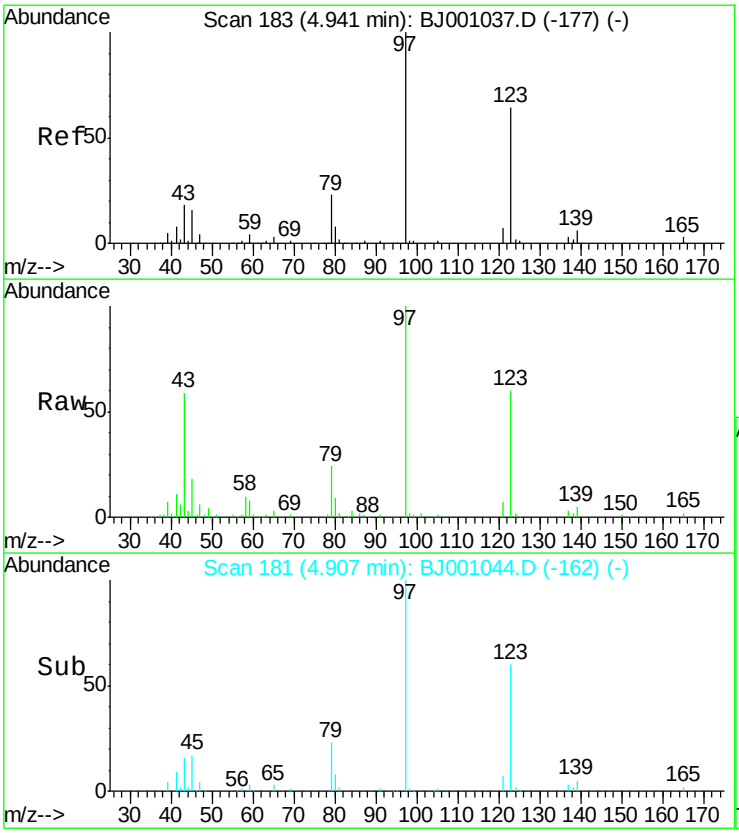


#3
DMMP
Concen: 1.86 ug/mL m
RT: 3.54 min Scan# 85
Delta R.T. -0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

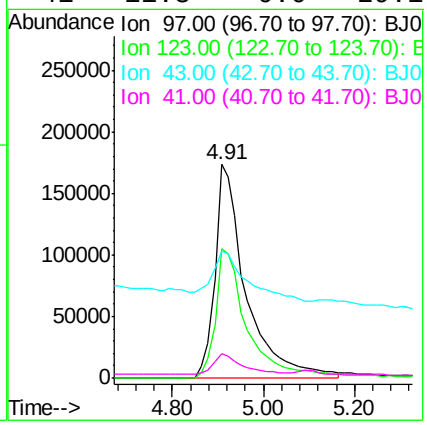


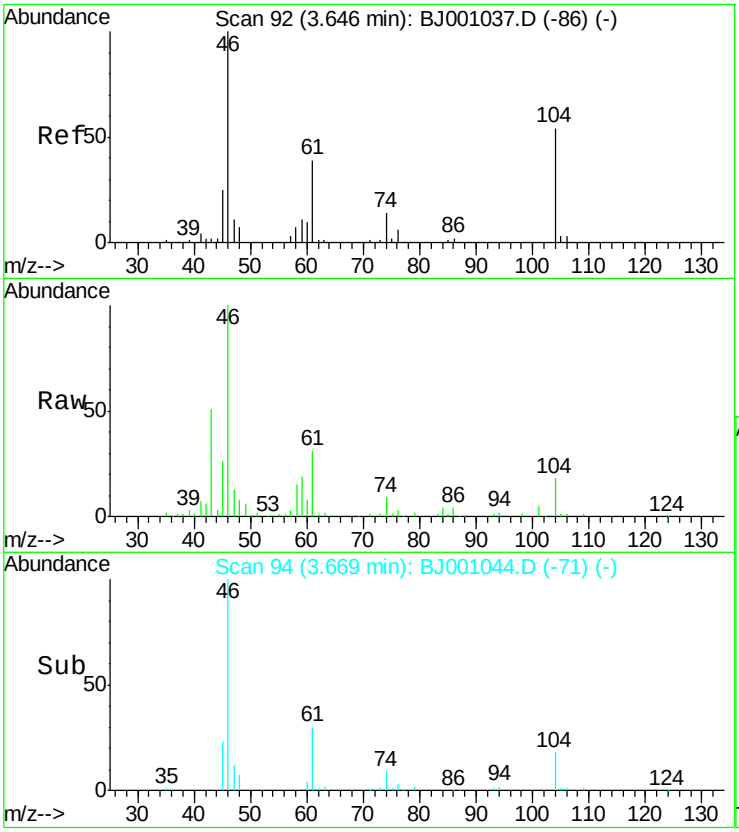


#4
DIMP
Concen: 3.48 ug/mL
RT: 4.91 min Scan# 181
Delta R.T. -0.03 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

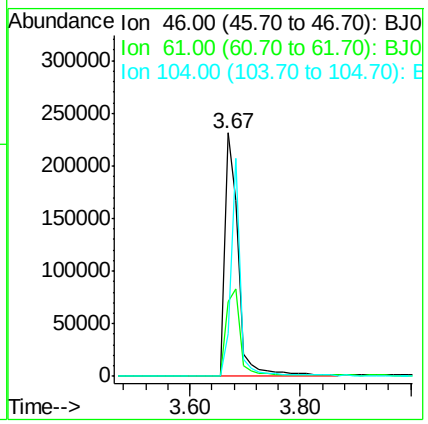


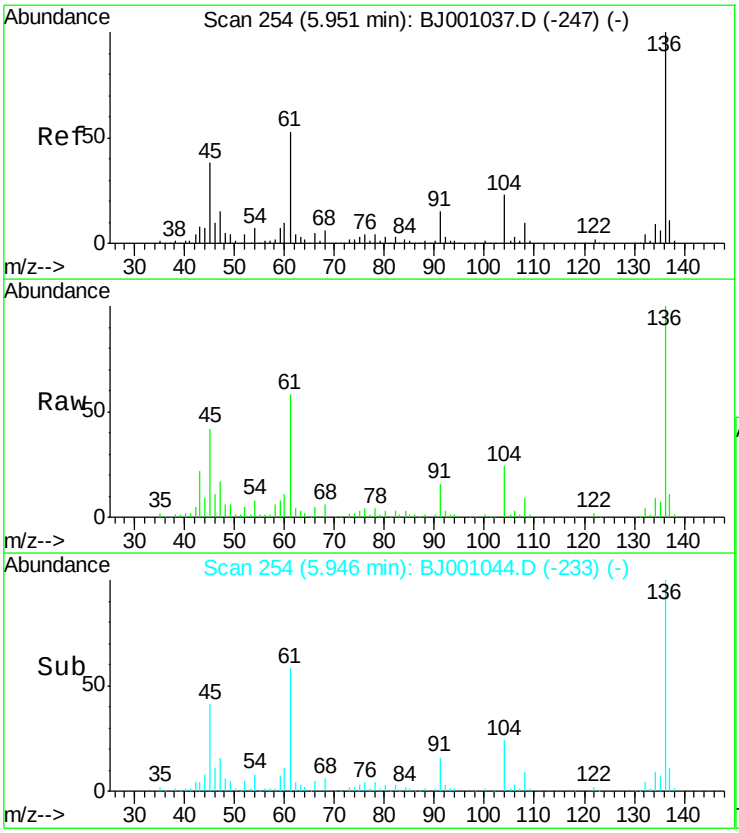


#5
1,4-Oxathiane
Concen: 3.42 ug/mL
RT: 3.67 min Scan# 94
Delta R.T. 0.02 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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#

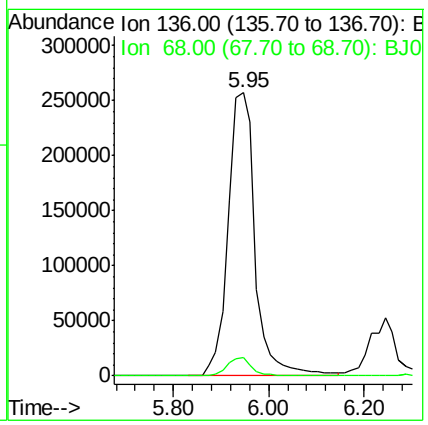


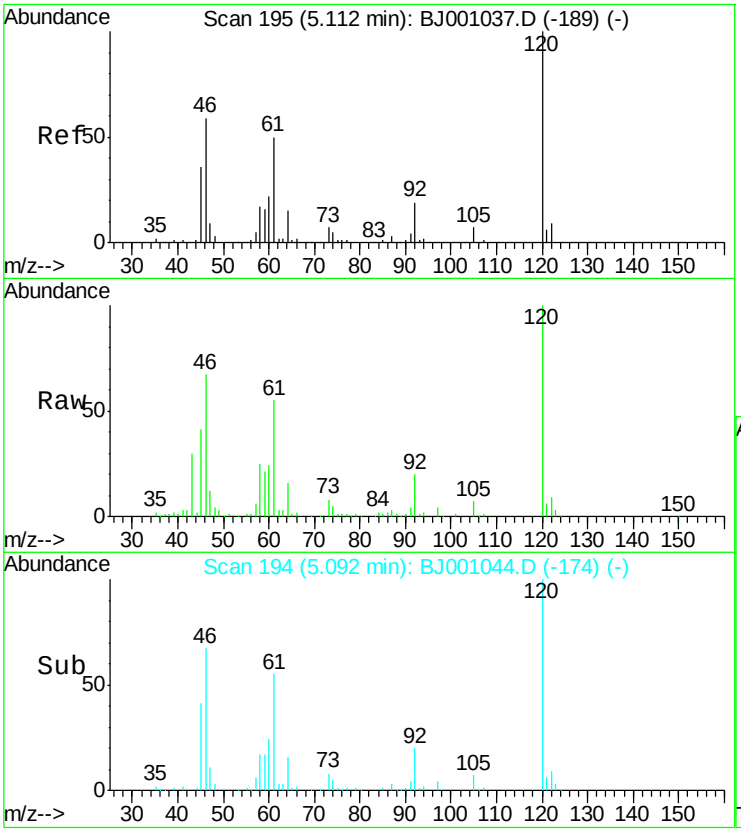


#6
Naphthalene-d8
Concen: 2.00 ug/mL
RT: 5.95 min Scan# 254
Delta R.T. -0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

Tgt Ion:136 Resp: 1011363

Ion	Ratio	Lower	Upper
136	100		
68	6.4	0.0	25.5

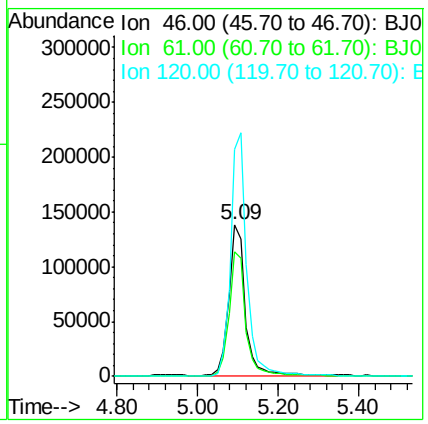


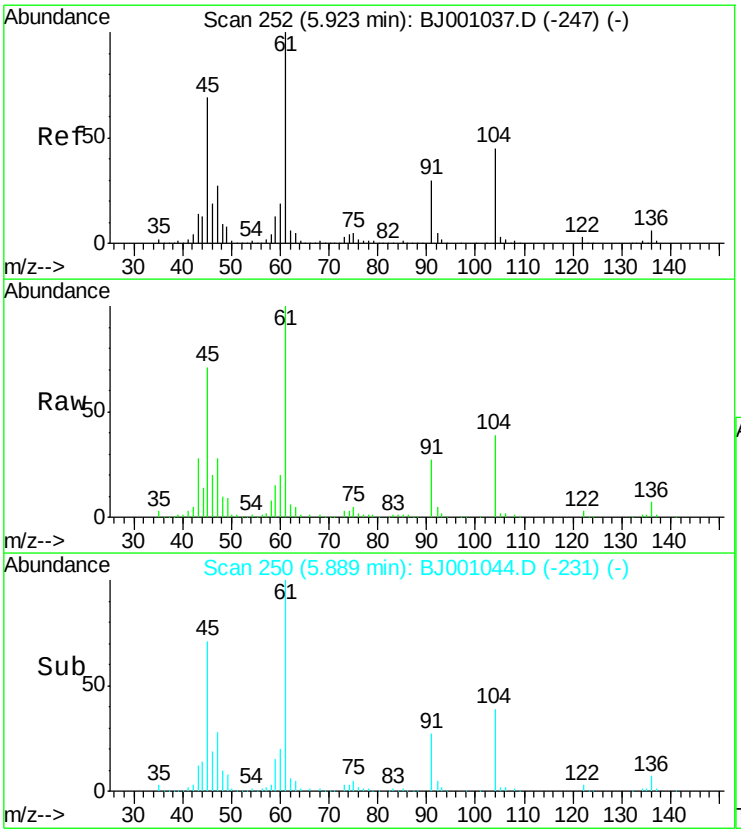


#7
1,4-Dithiane
Concen: 4.11 ug/mL
RT: 5.09 min Scan# 194
Delta R.T. -0.02 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

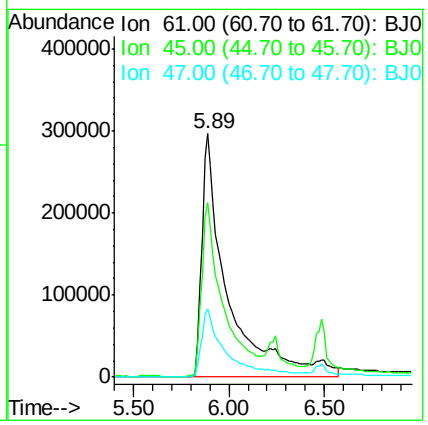


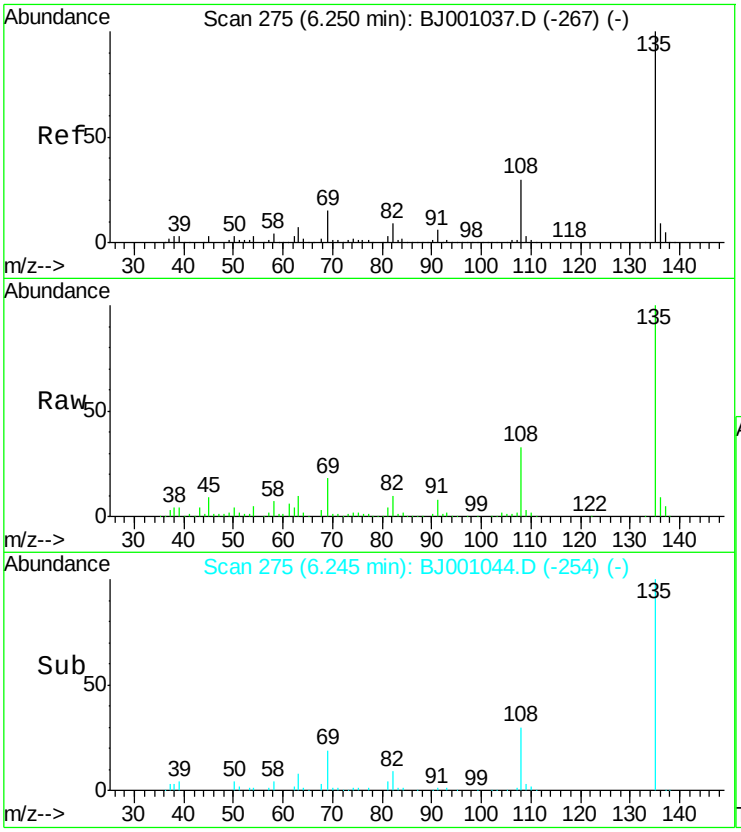


#8
Thiodiglycol
Concen: 34.93 ug/mL m
RT: 5.89 min Scan# 250
Delta R.T. -0.03 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

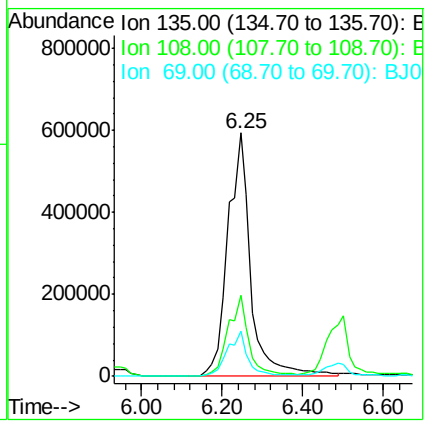


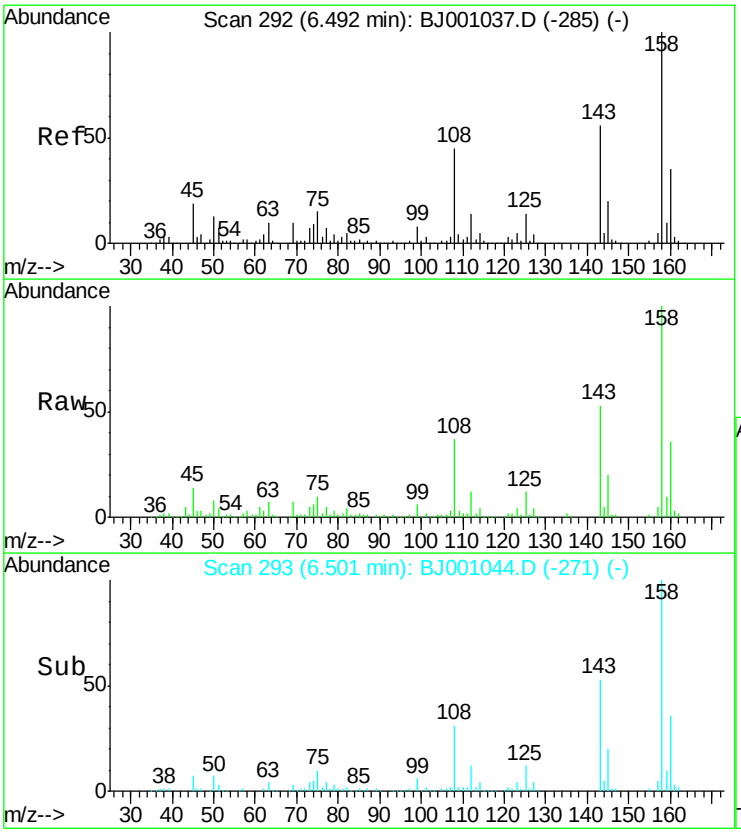


#9
Benzothiazole
Concen: 8.94 ug/mL
RT: 6.25 min Scan# 275
Delta R.T. -0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

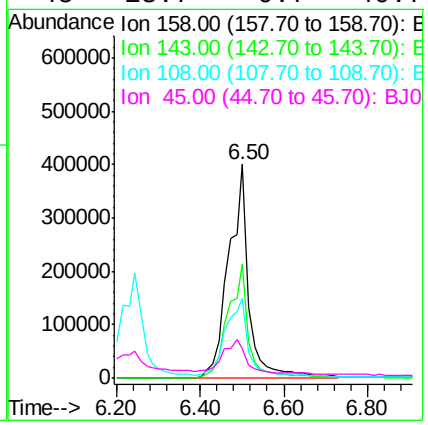


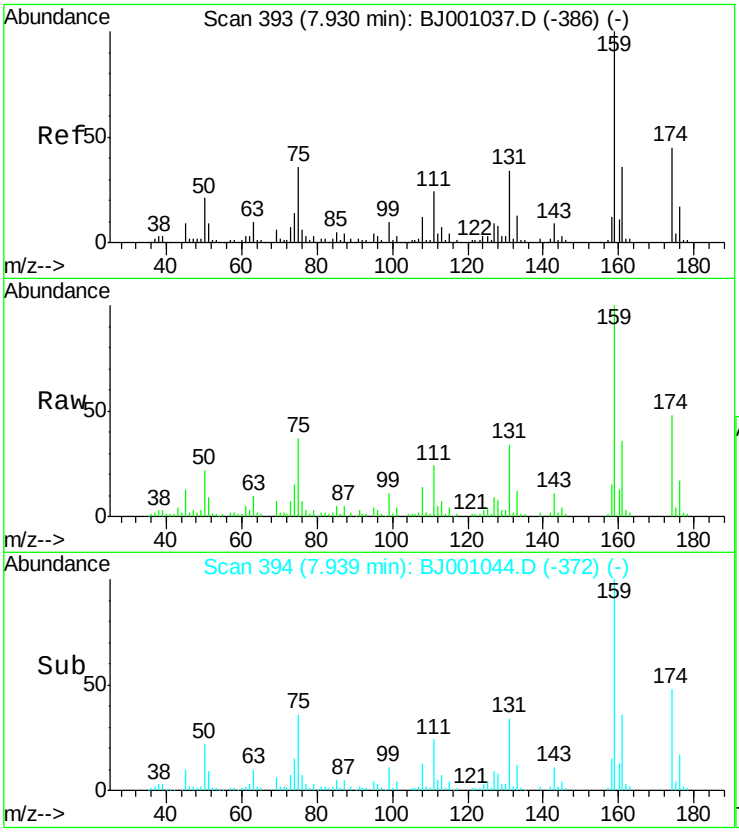


#11
p-Chlorophenylmethylsulfide
Concen: 8.40 ug/mL
RT: 6.50 min Scan# 293
Delta R.T. 0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

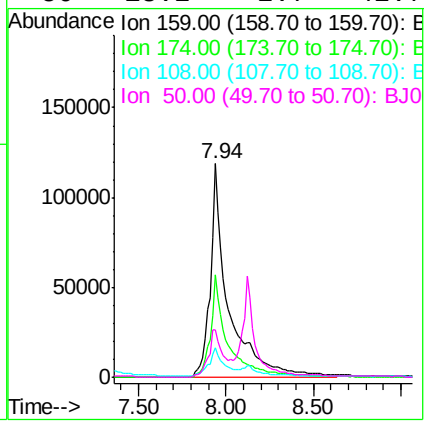


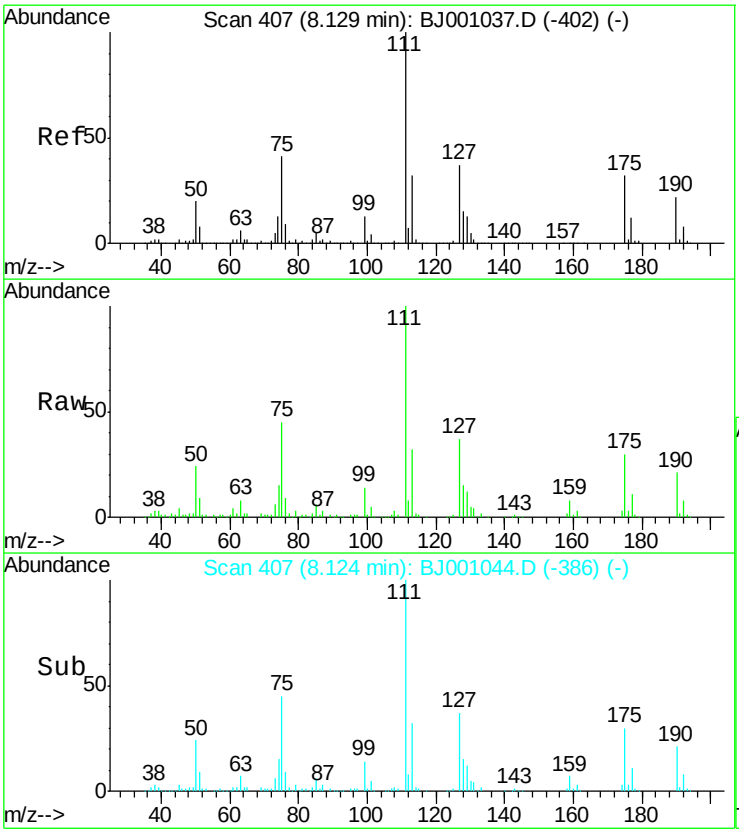


#13
p-Chlorophenylmethylsulfoxide
Concen: 8.86 ug/mL m
RT: 7.94 min Scan# 394
Delta R.T. 0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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

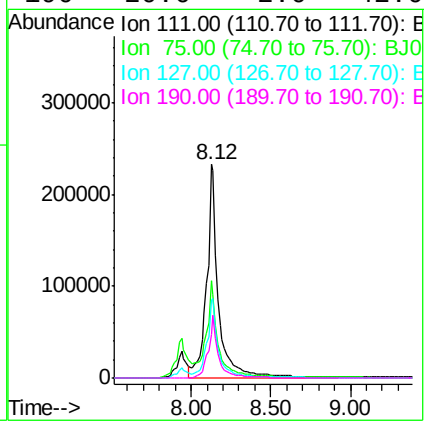




#14
p-Chlorophenylmethylsulfone
Concen: 7.84 ug/mL m
RT: 8.12 min Scan# 407
Delta R.T. -0.01 min
Lab File: BJ001044.D
Acq: 20 Jul 2012 15:27

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



Quantitation Report (QT Reviewed)

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 degredation 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-Chlorophenylmethylsulfid	6.50	158	1341192	8.40	ug/mL	91
13) p-Chlorophenylmethylsulfox	7.94	159	849280m	8.86	ug/mL	
14) p-Chlorophenylmethylsulfon	8.12	111	1248861m	7.84	ug/mL	

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