

Data File : H:\VOL1\GCMSDATA\J\120816\BJ001081.D
 Acq On : 16 Aug 2012 17:20
 Sample : D3733-02
 Misc : WATER BNA J HLM
 MS Integration Params: rteint.p
 Quant Time: Aug 17 10:51 2012

Vial: 8
 Operator: HLM
 Inst : BNA J
 Multiplr: 1.00

Quant Results File: BJ072012.RES

Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M (RTE Integrator)
 Title : CWA degradation products by GCMS
 Last Update : Fri Aug 17 10:52:26 2012
 Response via : Initial Calibration
 DataAcq Meth : CWAJ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.64	152	438091	2.00	ug/mL	0.00
6) Naphthalene-d8	5.92	136	1841442	2.00	ug/mL	0.00

System Monitoring Compounds

10) Tripropylphosphate	6.99	99	387975	0.58	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	116.00%
12) 2-Bromothioanisole	7.23	204	634531	4.41	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%

Target Compounds

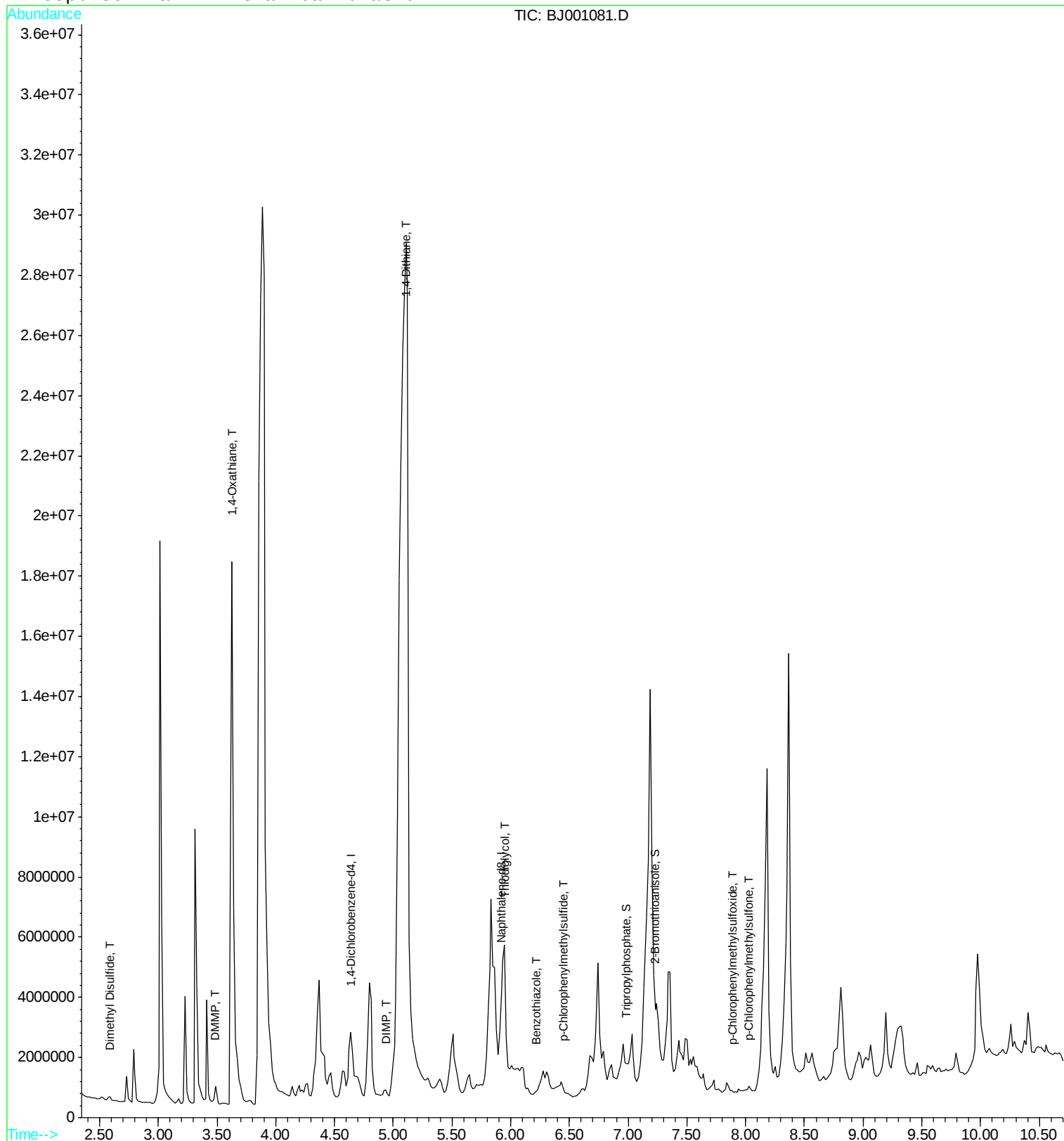
	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dimethyl Disulfide	2.59	94	28893	0.18	ug/mL	82
3) DMMP	3.49	79	16467	0.08	ug/mL#	17
4) DIMP	4.94	97	57828	0.16	ug/mL#	1
5) 1,4-Oxathiane	3.63	46	9462595	46.41	ug/mL	94
7) 1,4-Dithiane	5.11	46	19759498	114.28	ug/mL#	74
8) Thiodiglycol	5.95	61	141378	0.96	ug/mL	90
9) Benzothiazole	6.22	135	12126	0.03	ug/mL#	1
11) p-Chlorophenylmethyldisulfide	6.45	158	8220	0.03	ug/mL#	1
13) p-Chlorophenylmethyldisulfox	7.88	159	2980	0.04	ug/mL#	1
14) p-Chlorophenylmethyldisulfon	8.03	111	17453	0.06	ug/mL#	1

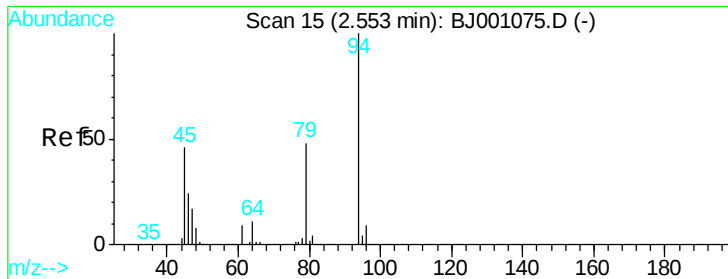
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Last Update : Fri Aug 17 10:52:26 2012
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#2

Dimethyl Disulfide

Concen: 0.18 ug/mL

RT: 2.59 min Scan# 18

Delta R.T. 0.04 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

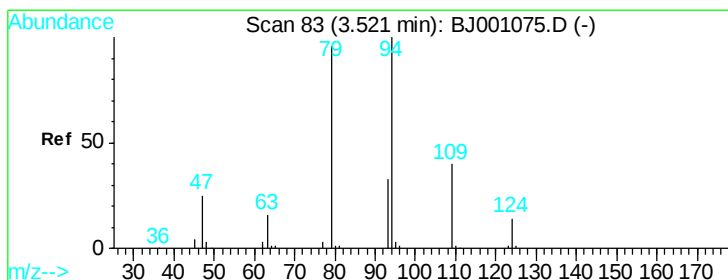
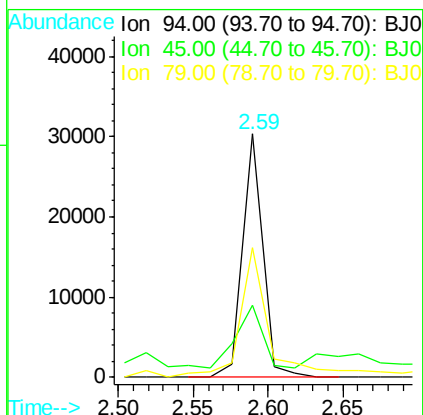
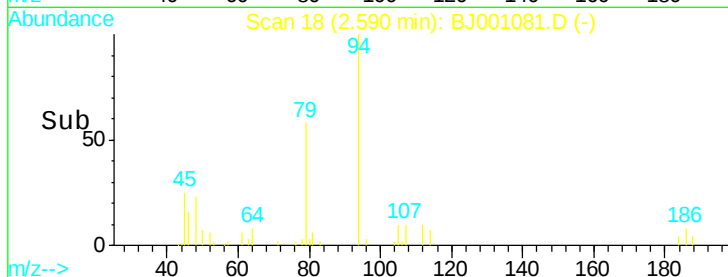
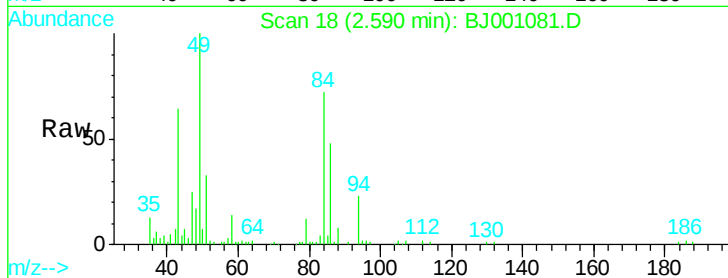
Tgt Ion: 94 Resp: 28893

Ion Ratio Lower Upper

94 100

45 29.8 29.6 69.6

79 53.0 28.5 68.5



#3

DMMP

Concen: 0.08 ug/mL

RT: 3.49 min Scan# 81

Delta R.T. -0.03 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

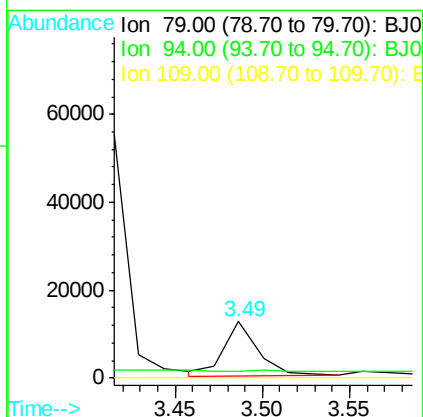
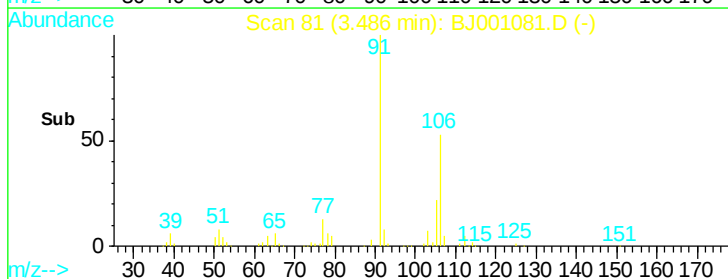
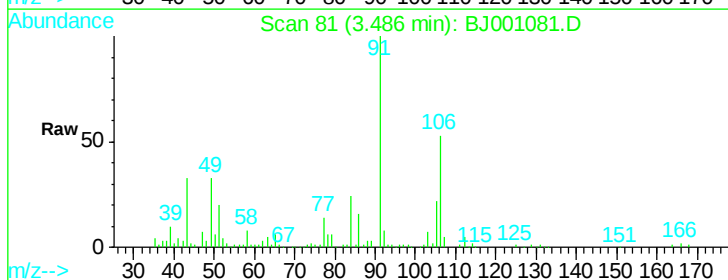
Tgt Ion: 79 Resp: 16467

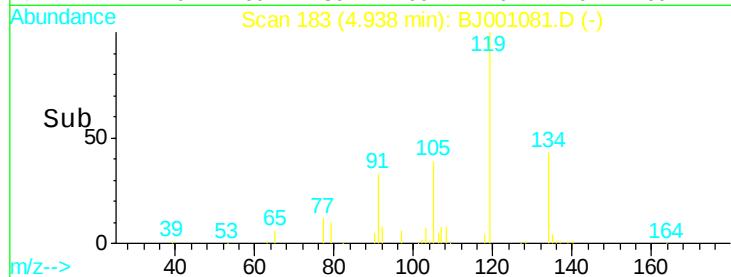
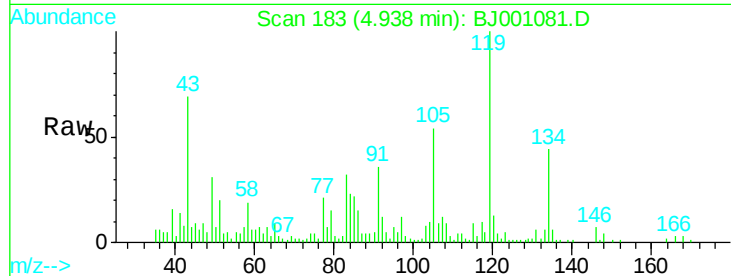
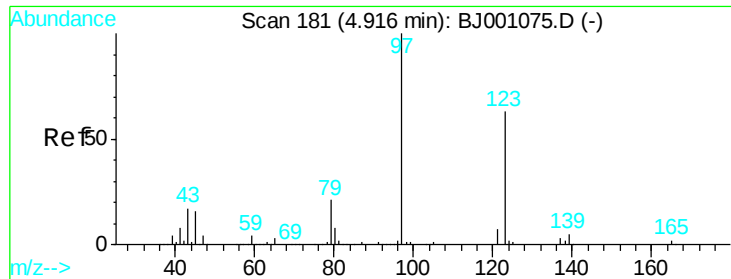
Ion Ratio Lower Upper

79 100

94 12.7 83.9 123.9#

109 0.0 21.6 61.6#





#4

DIMP

Concen: 0.16 ug/mL

RT: 4.94 min Scan# 183

Delta R.T. 0.02 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

Tgt Ion: 97 Resp: 57828

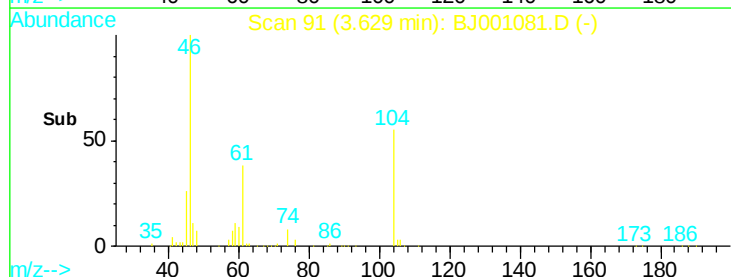
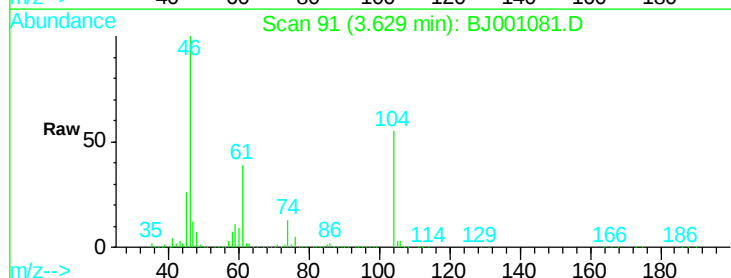
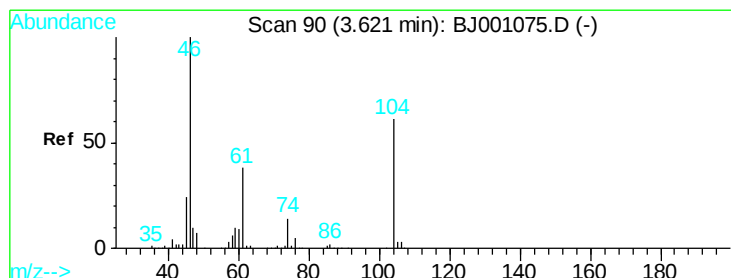
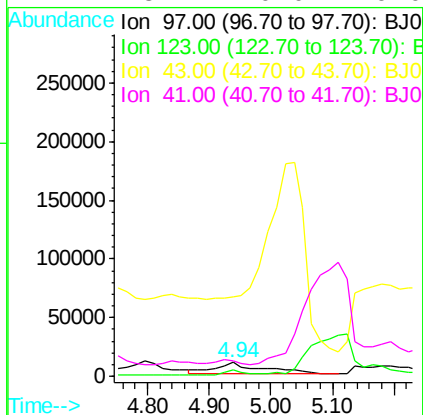
Ion Ratio Lower Upper

97 100

123 44.1 43.4 83.4

43 582.3 0.0 37.9#

41 115.7 0.0 29.0#



#5

1,4-Oxathiane

Concen: 46.41 ug/mL

RT: 3.63 min Scan# 91

Delta R.T. 0.01 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

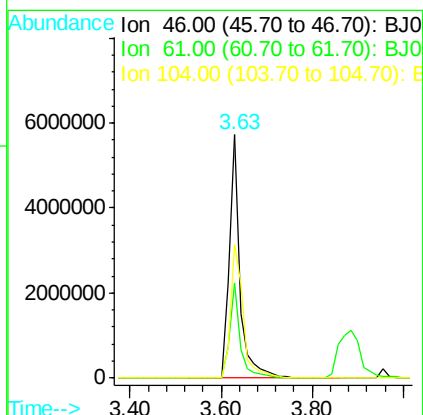
Tgt Ion: 46 Resp: 9462595

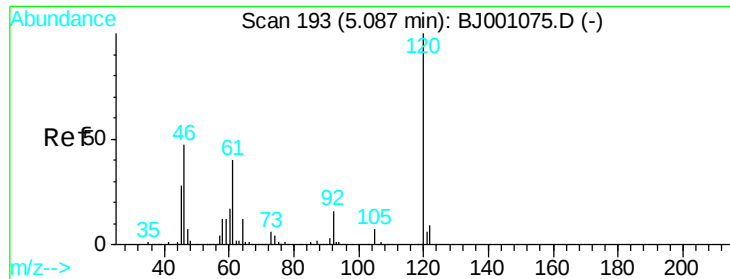
Ion Ratio Lower Upper

46 100

61 39.0 17.6 57.6

104 55.0 41.3 81.3





#7

1,4-Dithiane

Concen: 114.28 ug/mL

RT: 5.11 min Scan# 195

Delta R.T. 0.02 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

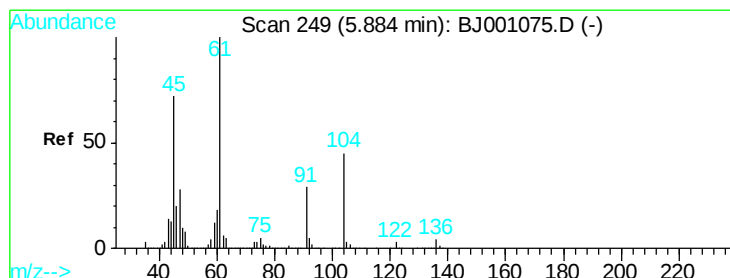
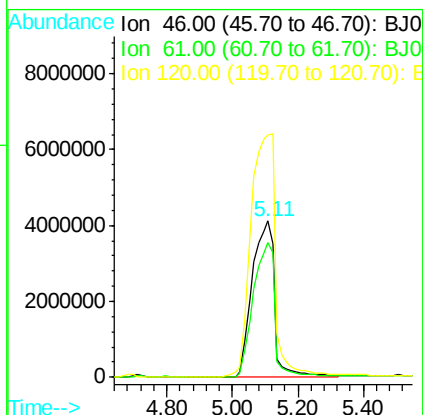
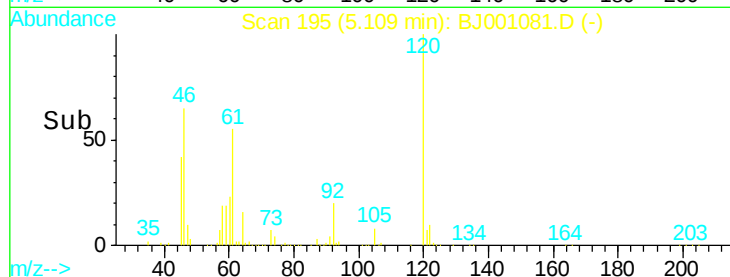
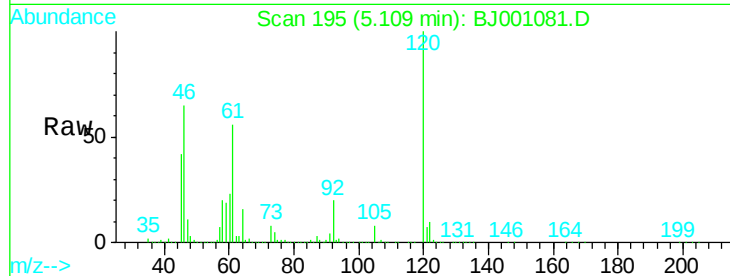
Tgt Ion: 46 Resp:19759498

Ion Ratio Lower Upper

46 100

61 86.1 65.0 105.0

120 154.9 192.0 232.0#



#8

Thiodiglycol

Concen: 0.96 ug/mL

RT: 5.95 min Scan# 254

Delta R.T. 0.06 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

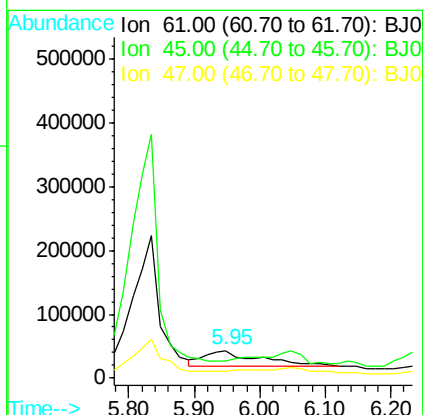
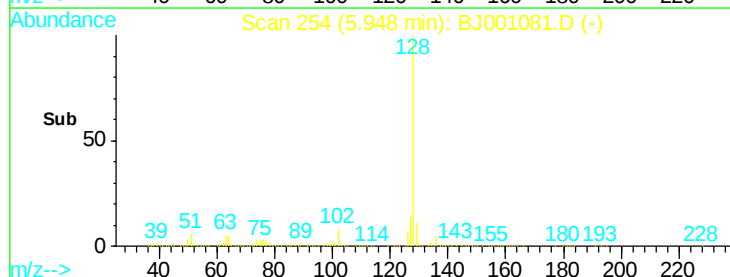
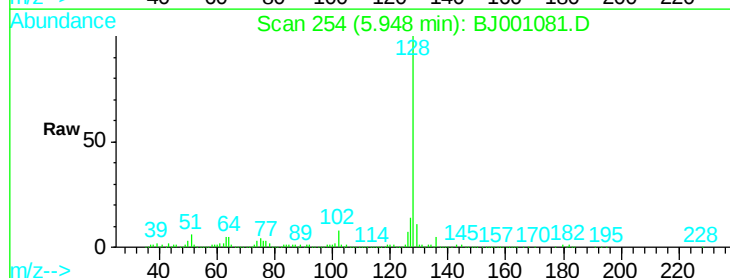
Tgt Ion: 61 Resp: 141378

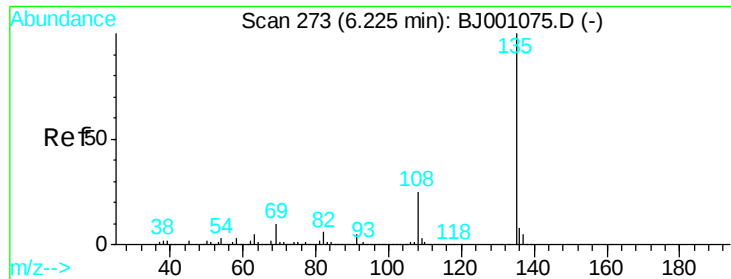
Ion Ratio Lower Upper

61 100

45 62.7 51.7 91.7

47 24.8 8.6 48.6





#9

Benzothiazole

Concen: 0.03 ug/mL

RT: 6.22 min Scan# 273

Delta R.T. -0.01 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

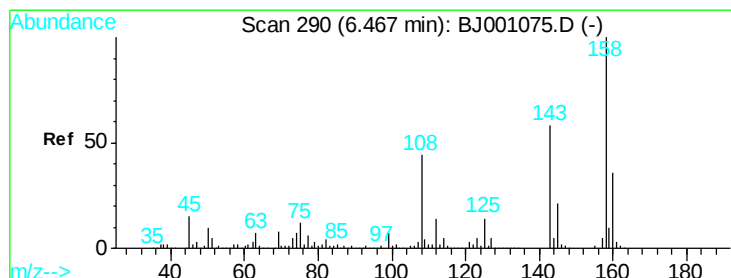
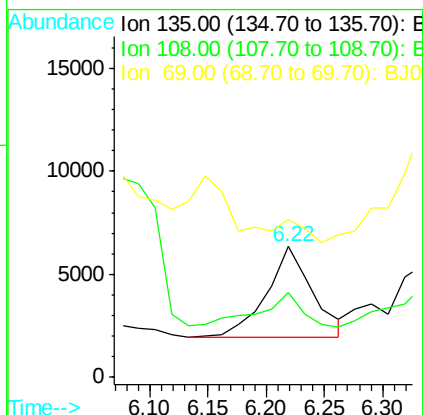
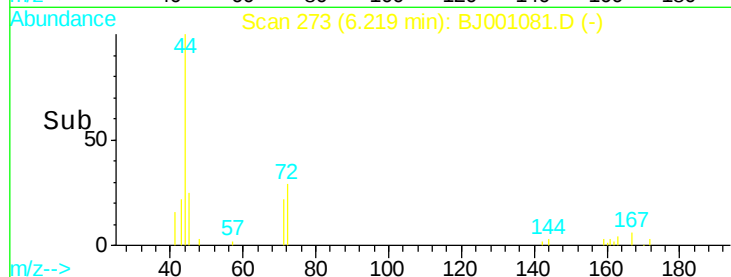
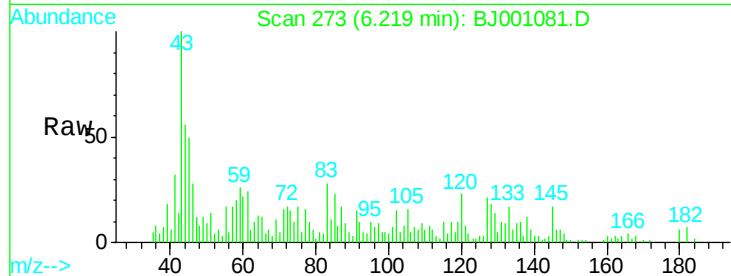
Tgt Ion:135 Resp: 12126

Ion Ratio Lower Upper

135 100

108 64.8 5.5 45.5#

69 120.5 0.0 29.6#



#11

p-Chlorophenylmethylsulfide

Concen: 0.03 ug/mL

RT: 6.45 min Scan# 289

Delta R.T. -0.02 min

Lab File: BJ001081.D

Acq: 16 Aug 2012 17:20

Tgt Ion:158 Resp: 8220

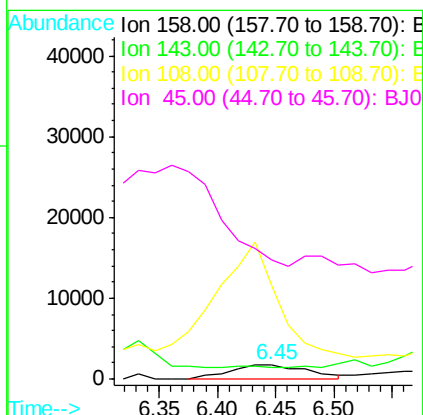
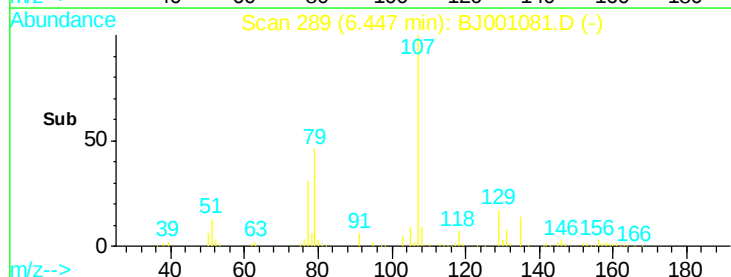
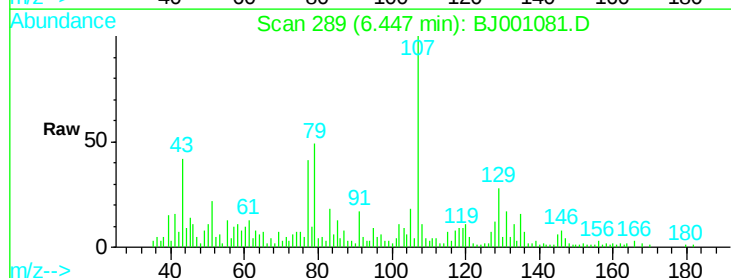
Ion Ratio Lower Upper

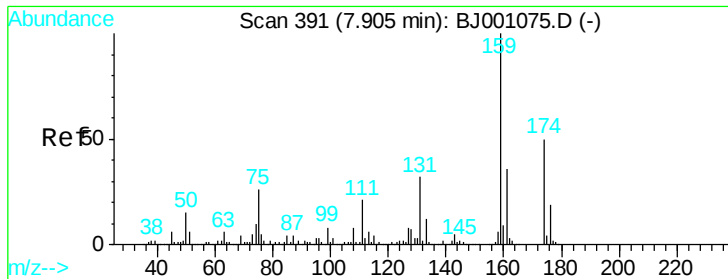
158 100

143 79.1 37.9 77.9#

108 658.5 24.3 64.3#

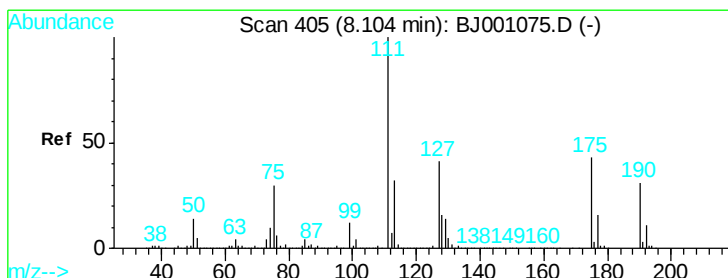
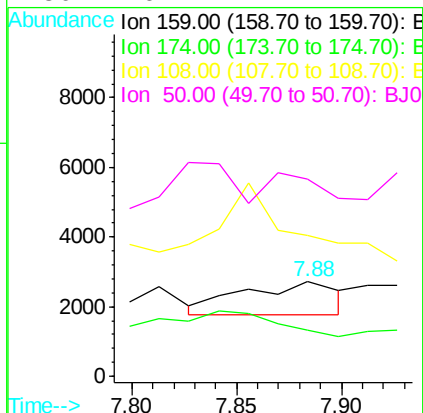
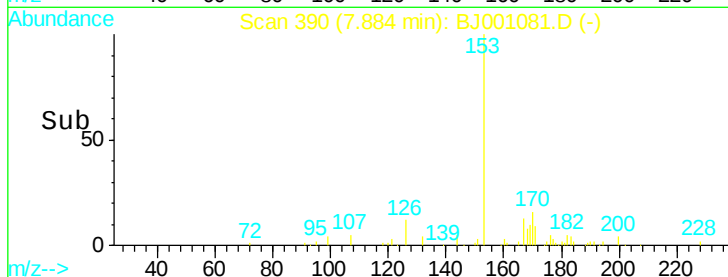
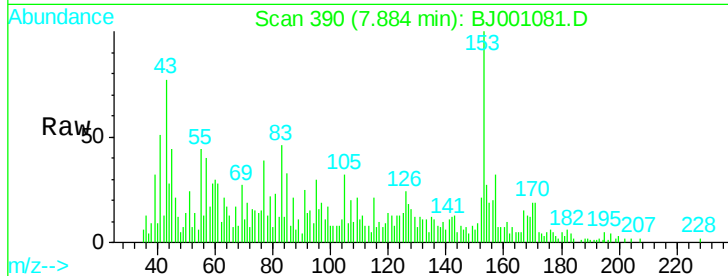
45 837.4 0.0 35.8#





#13
p-Chlorophenylmethylsulfoxide
Concen: 0.04 ug/mL
RT: 7.88 min Scan# 390
Delta R.T. -0.02 min
Lab File: BJ001081.D
Acq: 16 Aug 2012 17:20

Tgt Ion:159 Resp: 2980
Ion Ratio Lower Upper
159 100
174 83.3 28.6 68.6#
108 176.0 0.0 30.1#
50 116.1 2.2 42.2#



#14
p-Chlorophenylmethylsulfone
Concen: 0.06 ug/mL
RT: 8.03 min Scan# 400
Delta R.T. -0.08 min
Lab File: BJ001081.D
Acq: 16 Aug 2012 17:20

Tgt Ion:111 Resp: 17453
Ion Ratio Lower Upper
111 100
75 169.2 11.6 51.6#
127 60.3 21.2 61.2
190 8.2 10.6 50.6#

