

Data File : H:\VOL1\GCMSDATA\J\120627\BJ000988.D
 Acq On : 27 Jun 2012 22:59
 Sample : D3156-08MS
 Misc : WATER BNA J HLM
 MS Integration Params: rteint.p
 Quant Time: Jun 28 10:48 2012

Vial: 32
 Operator: HLM
 Inst : BNA J
 Multiplr: 1.00

Quant Results File: BJ060812.RES

Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M (RTE Integrator)
 Title : CWA degradation products by GCMS
 Last Update : Thu Jun 28 10:45:59 2012
 Response via : Initial Calibration
 DataAcq Meth : CWAJ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.69	152	175860	2.00	ug/mL	0.00
6) Naphthalene-d8	5.98	136	738278	2.00	ug/mL	0.00

System Monitoring Compounds

10) Tripropylphosphate	7.05	99	134745	0.47	ug/mL	0.03
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.00%
12) 2-Bromothioanisole	7.28	204	216648	4.30	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dimethyl Disulfide	2.66	94	227255	3.81	ug/mL#	62
3) DMMP	3.60	79	14522	0.25	ug/mL	94
4) DIMP	5.01	97	688261	4.58	ug/mL	92
5) 1,4-Oxathiane	3.67	46	272924	4.65	ug/mL#	76
7) 1,4-Dithiane	5.13	46	233904	4.45	ug/mL	92
8) Thiodiglycol	5.97	61	9337	1.65	ug/mL#	1
9) Benzothiazole	6.26	135	1768599	8.72	ug/mL	99
11) p-Chlorophenylmethyldisulfide	6.52	158	1046416	8.22	ug/mL	95
13) p-Chlorophenylmethyldisulfox	7.96	159	760408	10.05	ug/mL	98
14) p-Chlorophenylmethyldisulfon	8.14	111	848478	7.90	ug/mL	97

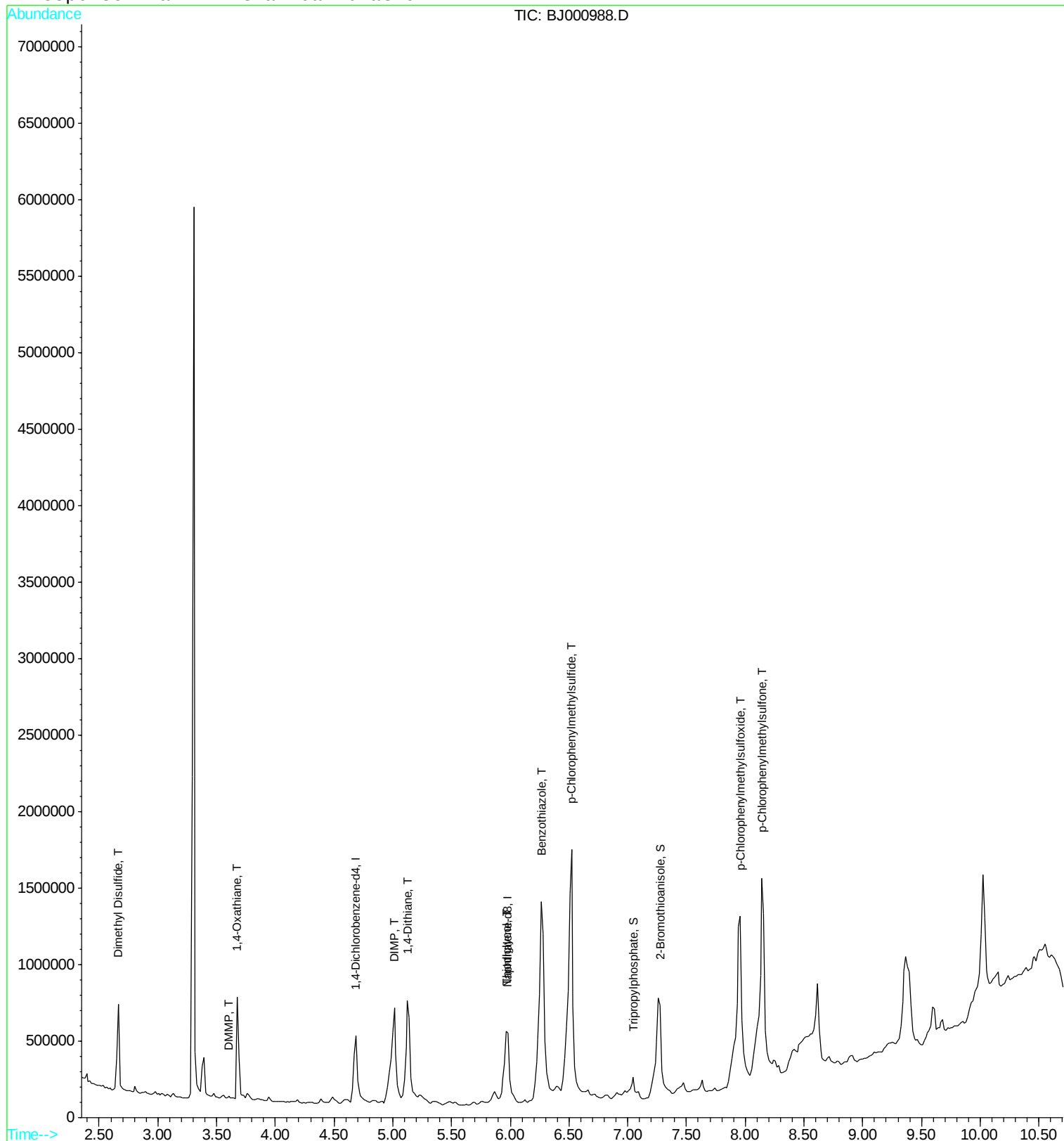
Quantitation Report

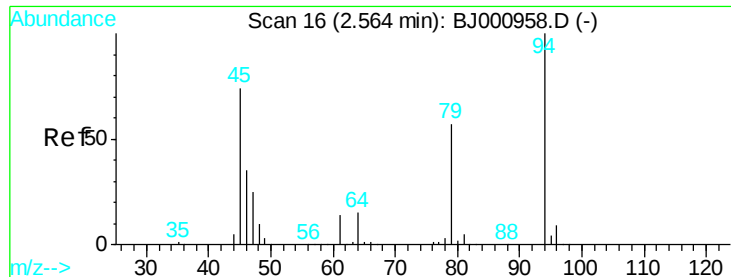
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#2

Dimethyl Disulfide

Concen: 3.81 ug/mL

RT: 2.66 min Scan# 23

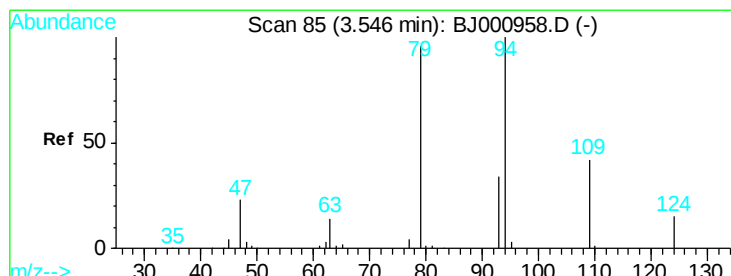
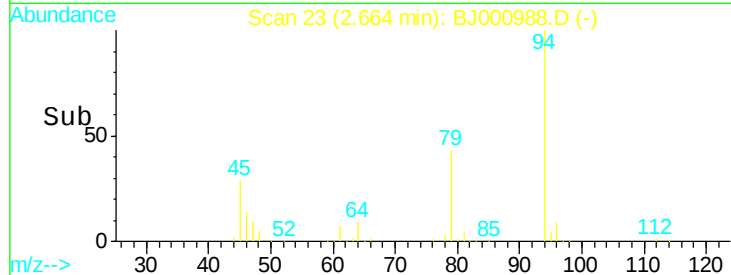
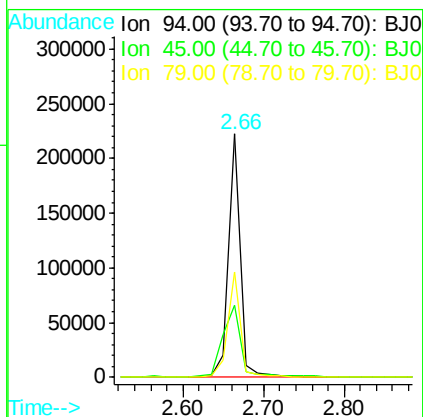
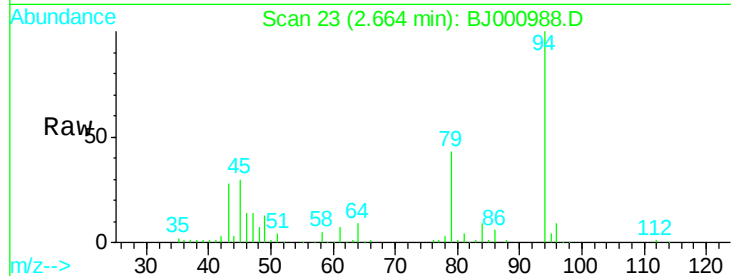
Delta R.T. 0.10 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

Tgt Ion: 94 Resp: 227255

Ion	Ratio	Lower	Upper
94	100		
45	29.8	55.3	95.3#
79	43.5	37.3	77.3



#3

DMMP

Concen: 0.25 ug/mL

RT: 3.60 min Scan# 89

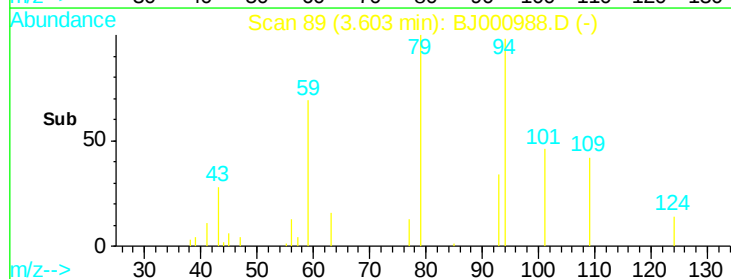
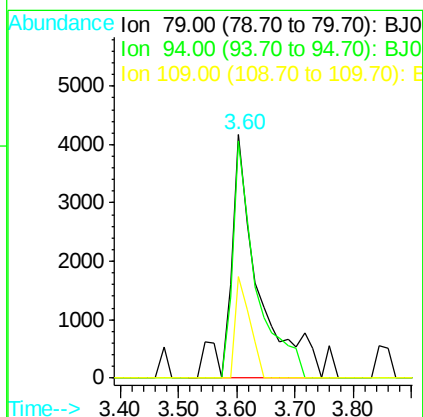
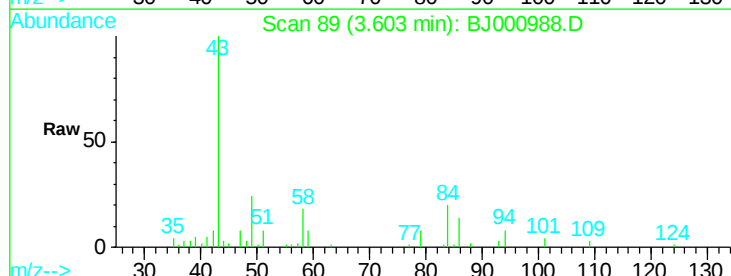
Delta R.T. 0.06 min

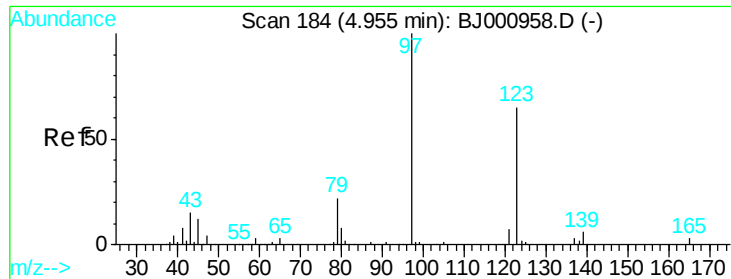
Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

Tgt Ion: 79 Resp: 14522

Ion	Ratio	Lower	Upper
79	100		
94	97.7	84.5	124.5
109	41.6	23.4	63.4





#4

DIMP

Concen: 4.58 ug/mL

RT: 5.01 min Scan# 188

Delta R.T. 0.06 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

Tgt Ion: 97 Resp: 688261

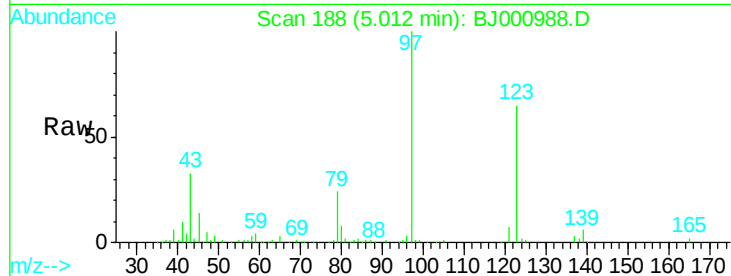
Ion Ratio Lower Upper

97 100

123 64.6 45.3 85.3

43 32.8 0.0 35.5

41 9.7 0.0 27.9



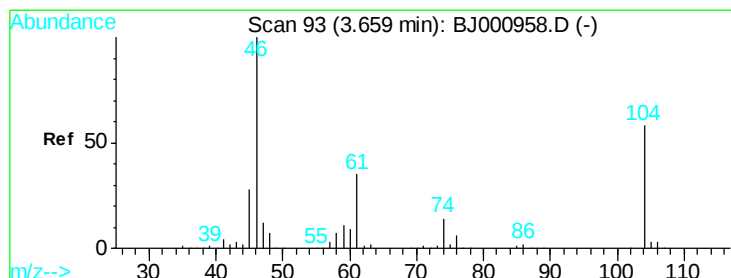
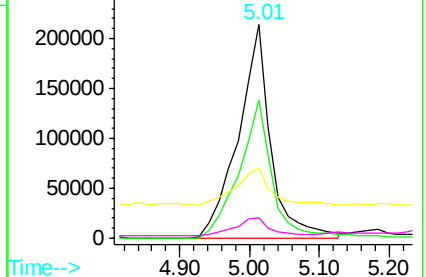
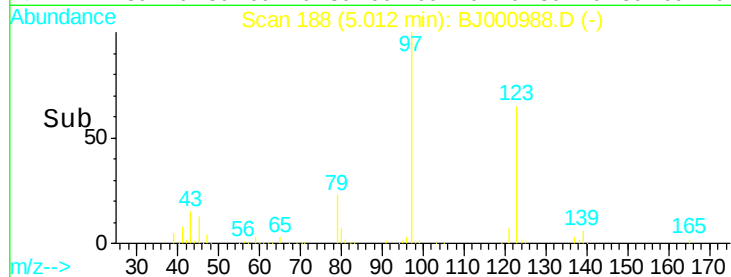
Abundance

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: 4.65 ug/mL

RT: 3.67 min Scan# 94

Delta R.T. 0.02 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

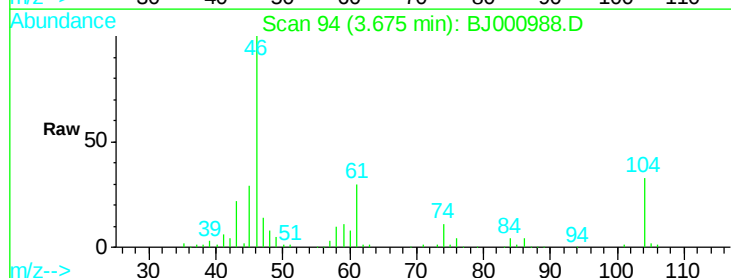
Tgt Ion: 46 Resp: 272924

Ion Ratio Lower Upper

46 100

61 30.0 15.3 55.3

104 33.3 38.4 78.4#

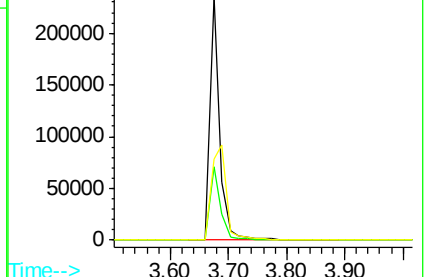
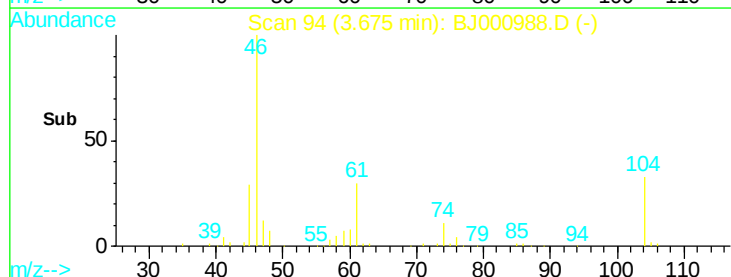


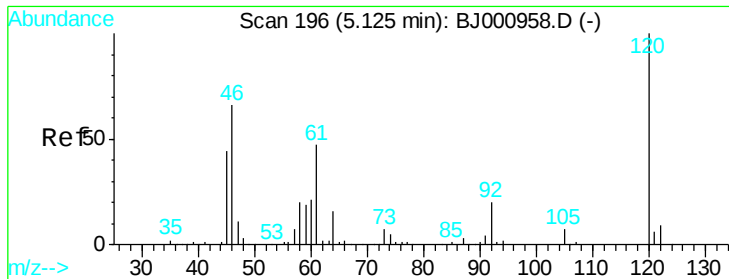
Abundance

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





#7

1,4-Dithiane

Concen: 4.45 ug/mL

RT: 5.13 min Scan# 196

Delta R.T. 0.00 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

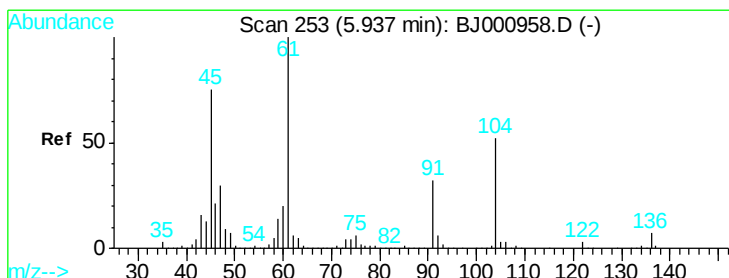
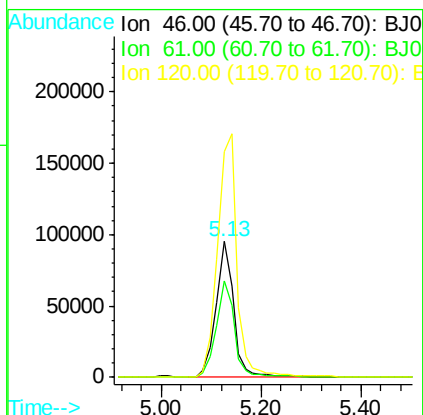
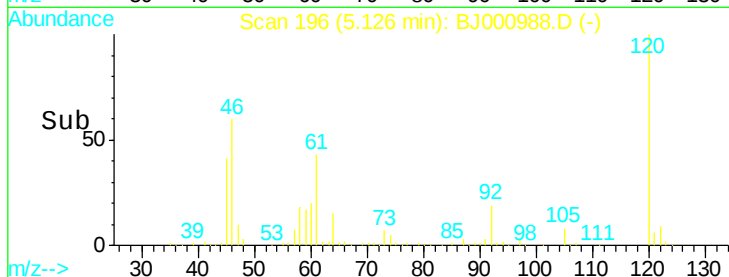
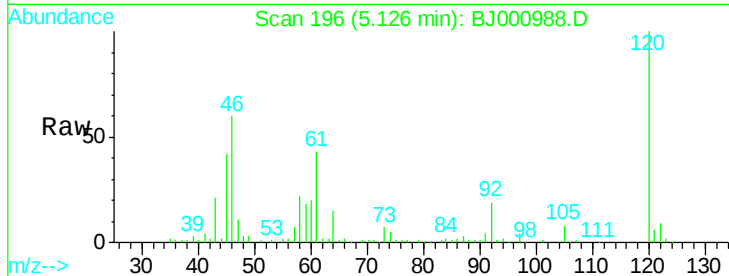
Tgt Ion: 46 Resp: 233904

Ion Ratio Lower Upper

46 100

61 71.1 50.6 90.6

120 166.5 131.1 171.1



#8

Thiodiglycol

Concen: 1.65 ug/mL

RT: 5.97 min Scan# 255

Delta R.T. 0.03 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

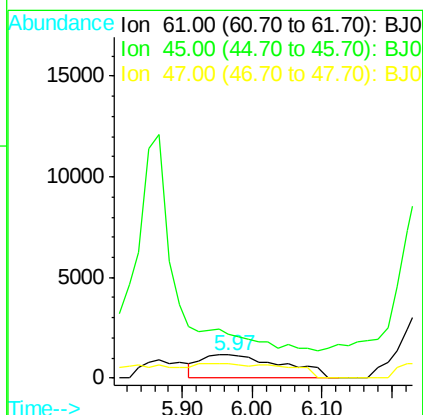
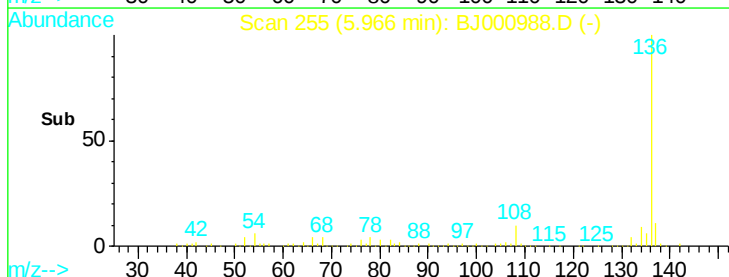
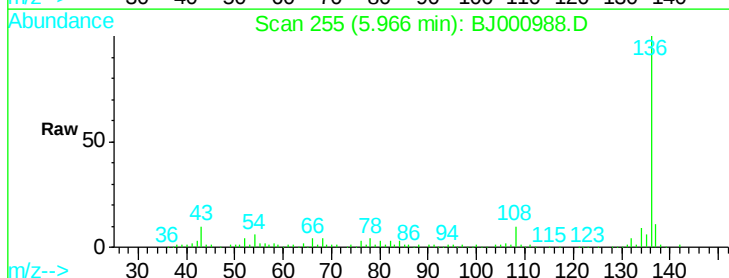
Tgt Ion: 61 Resp: 9337

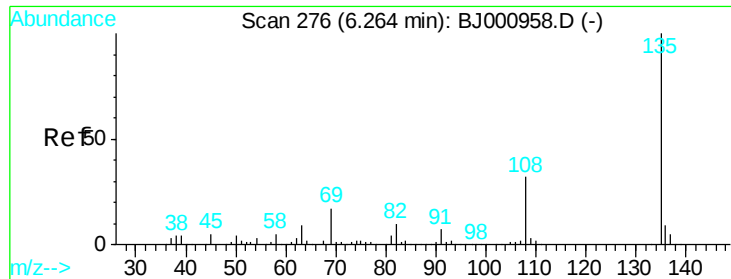
Ion Ratio Lower Upper

61 100

45 188.4 55.5 95.5#

47 60.3 10.4 50.4#





#9

Benzothiazole

Concen: 8.72 ug/mL

RT: 6.26 min Scan# 276

Delta R.T. 0.00 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

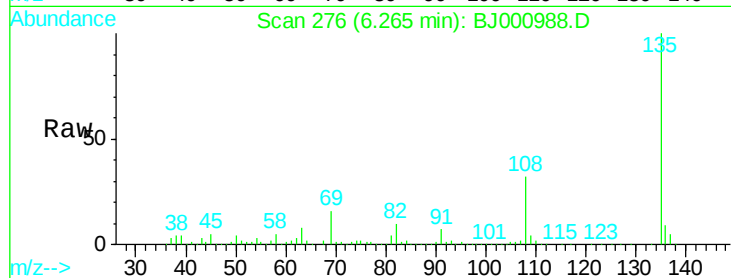
Tgt Ion:135 Resp: 1768599

Ion Ratio Lower Upper

135 100

108 31.8 12.4 52.4

69 16.2 0.0 36.7

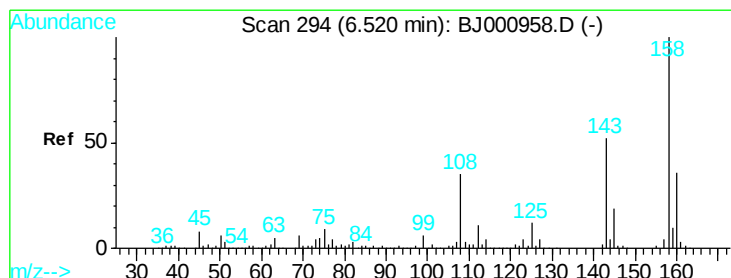
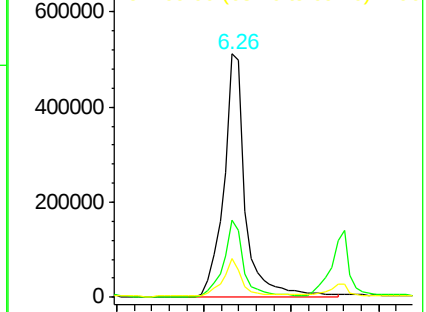
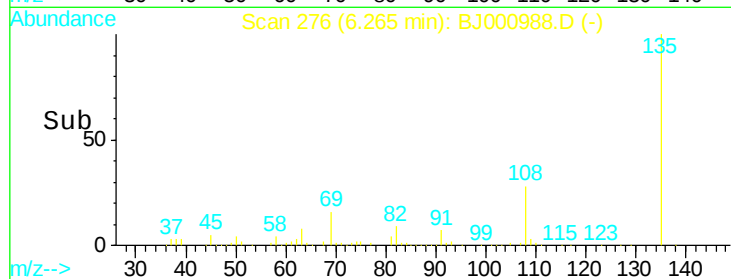


Abundance

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: 8.22 ug/mL

RT: 6.52 min Scan# 294

Delta R.T. 0.00 min

Lab File: BJ000988.D

Acq: 27 Jun 2012 22:59

Tgt Ion:158 Resp: 1046416

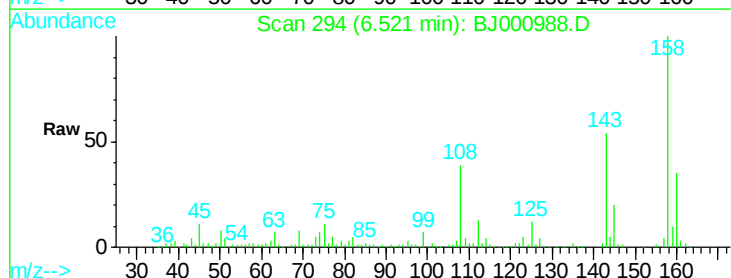
Ion Ratio Lower Upper

158 100

143 54.1 31.9 71.9

108 39.4 15.8 55.8

45 11.4 0.0 29.2



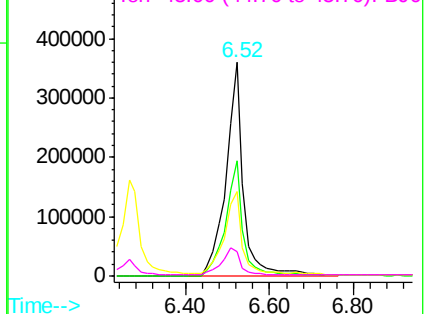
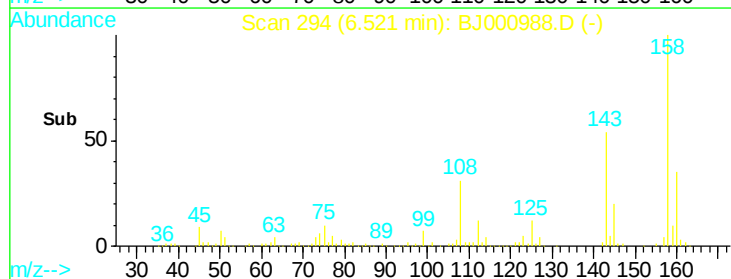
Abundance

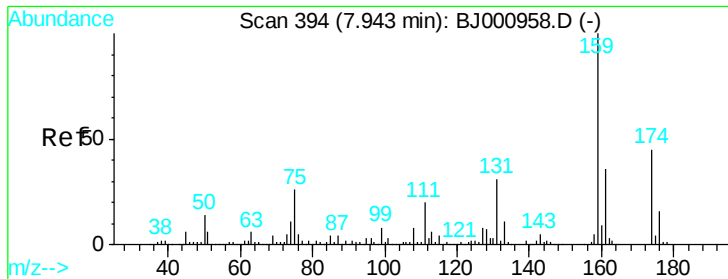
Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

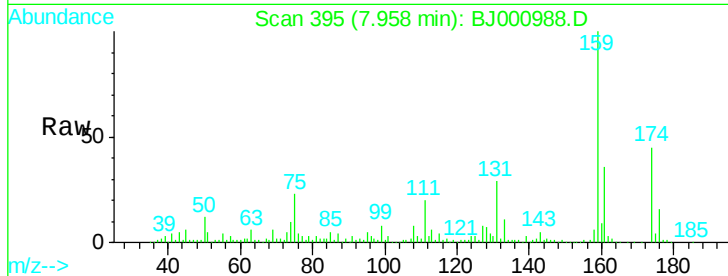
Ion 45.00 (44.70 to 45.70): BJ0





#13
 p-Chlorophenylmethylsulfoxide
 Concen: 10.05 ug/mL
 RT: 7.96 min Scan# 395
 Delta R.T. 0.02 min
 Lab File: BJ000988.D
 Acq: 27 Jun 2012 22:59

Tgt Ion:159 Resp: 760408
 Ion Ratio Lower Upper
 159 100
 174 44.6 26.0 66.0
 108 8.9 0.0 28.6
 50 17.9 0.0 37.3



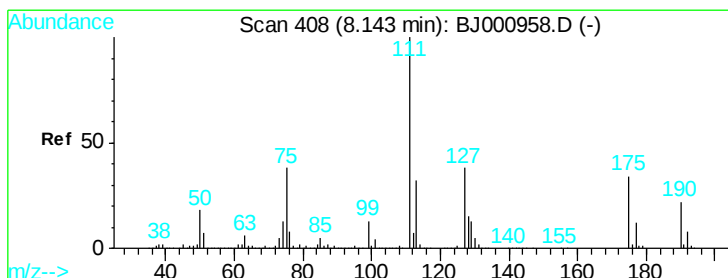
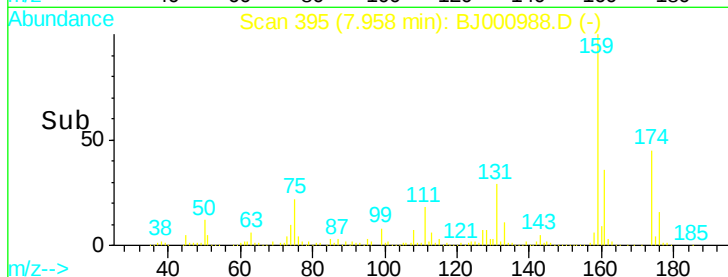
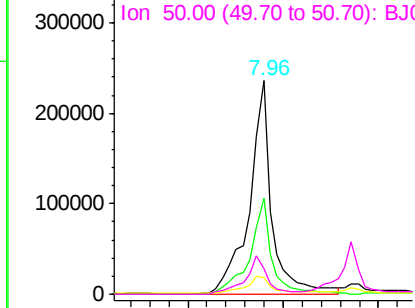
Abundance

Ion 159.00 (158.70 to 159.70): E

Ion 174.00 (173.70 to 174.70): E

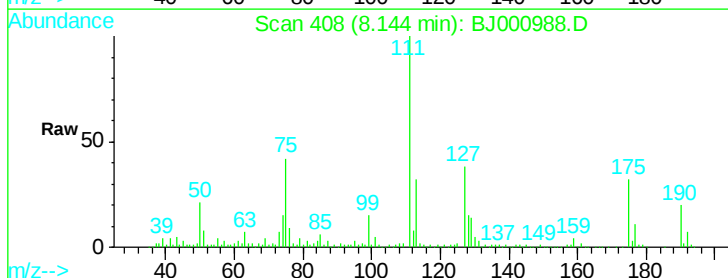
Ion 108.00 (107.70 to 108.70): E

Ion 50.00 (49.70 to 50.70): BJ0



#14
 p-Chlorophenylmethylsulfone
 Concen: 7.90 ug/mL
 RT: 8.14 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: BJ000988.D
 Acq: 27 Jun 2012 22:59

Tgt Ion:111 Resp: 848478
 Ion Ratio Lower Upper
 111 100
 75 41.8 19.3 59.3
 127 38.3 18.4 58.4
 190 19.5 1.5 41.5



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

