

Data File : H:\VOL1\GCMSDATA\J\120627\BJ000987.D  
 Acq On : 27 Jun 2012 22:41  
 Sample : D3156-07  
 Misc : WATER BNA J HLM  
 MS Integration Params: rteint.p  
 Quant Time: Jun 28 10:48 2012

Vial: 31  
 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 | 4.68 | 152  | 182370   | 2.00 | ug/mL | 0.00     |
| 6) Naphthalene-d8         | 5.98 | 136  | 731342   | 2.00 | ug/mL | 0.00     |

#### System Monitoring Compounds

|                        |       |       |          |          |       |         |
|------------------------|-------|-------|----------|----------|-------|---------|
| 10) Tripropylphosphate | 7.05  | 99    | 154001   | 0.54     | ug/mL | 0.03    |
| Spiked Amount          | 0.500 | Range | 70 - 130 | Recovery | =     | 108.00% |
| 12) 2-Bromothioanisole | 7.27  | 204   | 232044   | 4.65     | ug/mL | 0.00    |
| Spiked Amount          | 5.000 | Range | 70 - 130 | Recovery | =     | 93.00%  |

#### Target Compounds

|                            | R.T. | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|------|------|----------|------|--------|--------|
| 2) Dimethyl Disulfide      | 2.65 | 94   | 737      | 0.01 | ug/mL# | 22     |
| 3) DMMP                    | 3.56 | 79   | 1119     | 0.05 | ug/mL# | 8      |
| 4) DIMP                    | 5.03 | 97   | 110382   | 0.71 | ug/mL# | 56     |
| 5) 1,4-Oxathiane           | 3.67 | 46   | 4748     | 0.08 | ug/mL  | 87     |
| 7) 1,4-Dithiane            | 5.12 | 46   | 10178    | 0.20 | ug/mL  | 91     |
| 8) Thiodiglycol            | 5.86 | 61   | 2054     | 1.49 | ug/mL# | 1      |
| 9) Benzothiazole           | 6.28 | 135  | 6708     | 0.03 | ug/mL# | 1      |
| 13) p-Chlorophenylmethylox | 8.01 | 159  | 1167     | 0.05 | ug/mL# | 34     |
| 14) p-Chlorophenylmethylox | 8.26 | 111  | 7010     | 0.07 | ug/mL  | 79     |

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Misc : WATER BNA J HLM

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jun 28 10:48 2012

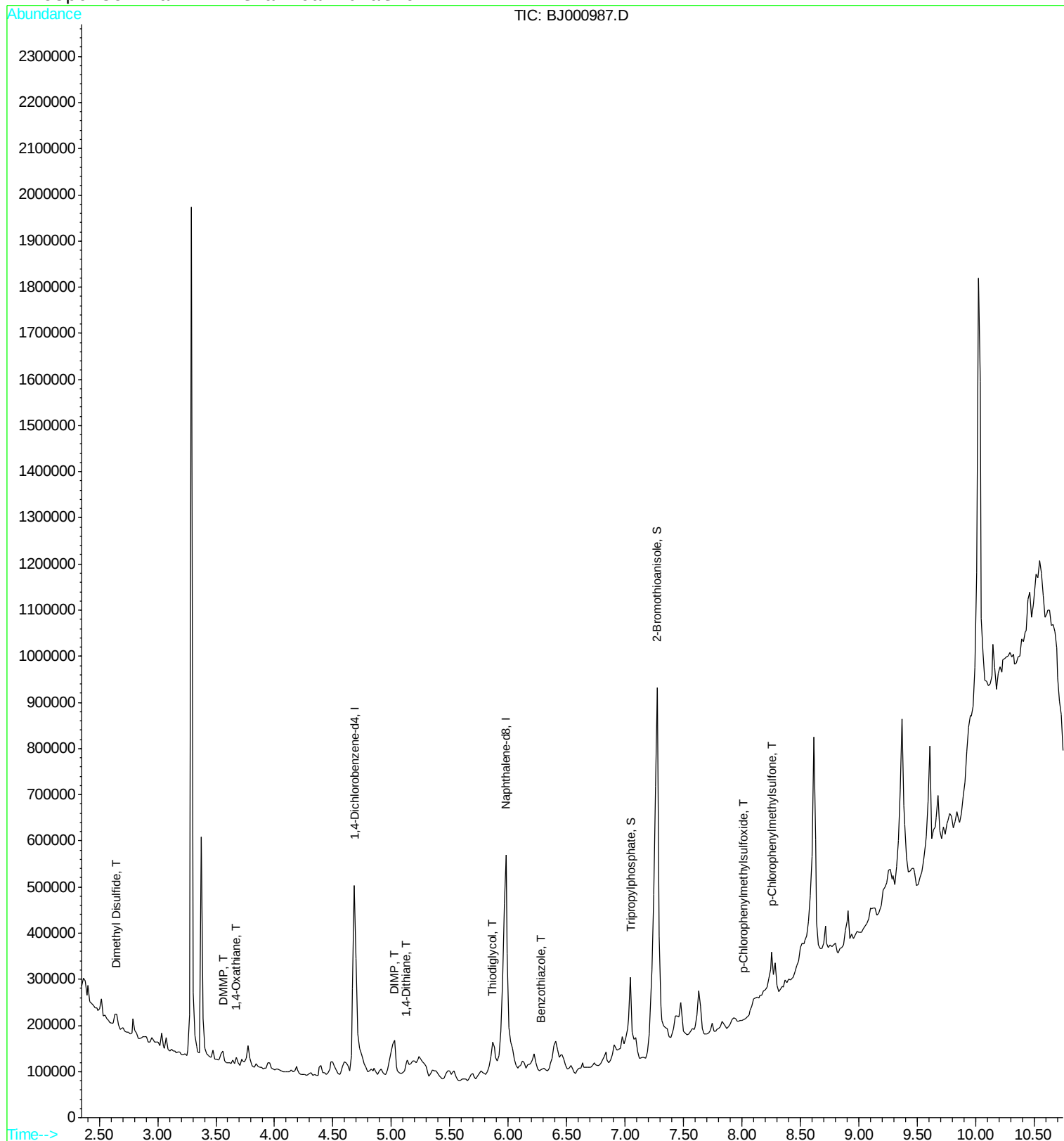
Quant Results File: BJ060812.RES

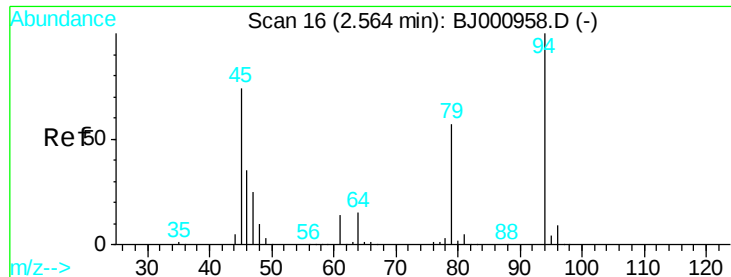
Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M (RTE Integrator)

Title : CWA degradation products by GCMS

Last Update : Thu Jun 28 10:45:59 2012

Response via : Initial Calibration





#2

Dimethyl Disulfide

Concen: 0.01 ug/mL

RT: 2.65 min Scan# 22

Delta R.T. 0.08 min

Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

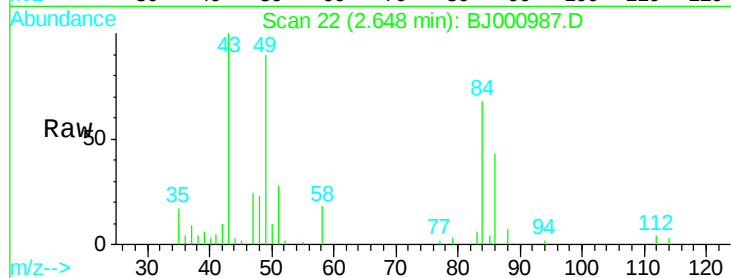
Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

45 102.0 55.3 95.3#

79 161.1 37.3 77.3#

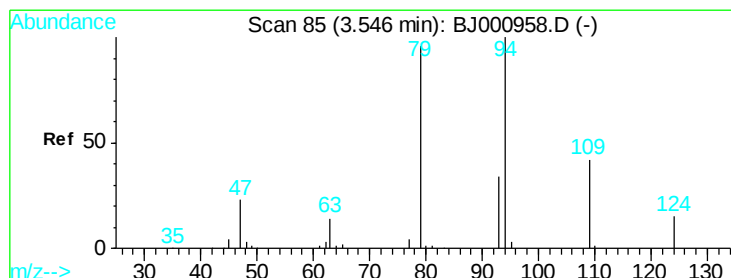
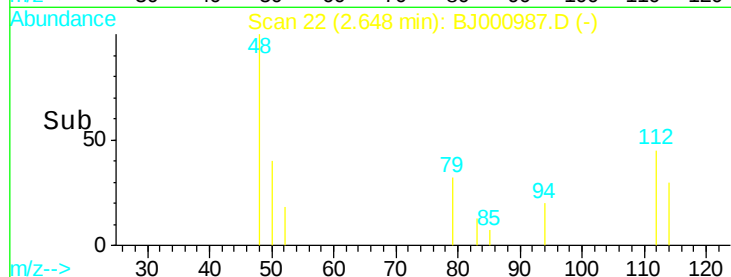
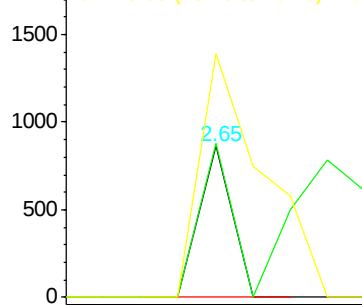


Abundance

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: 0.05 ug/mL

RT: 3.56 min Scan# 86

Delta R.T. 0.01 min

Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

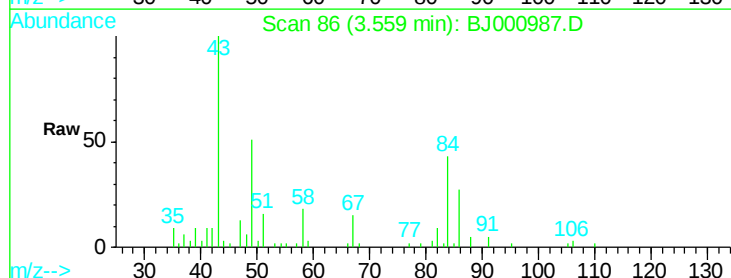
Tgt Ion: 79 Resp: 1119

Ion Ratio Lower Upper

79 100

94 0.0 84.5 124.5#

109 0.0 23.4 63.4#

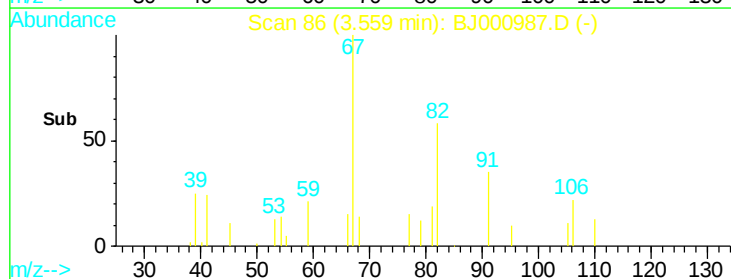
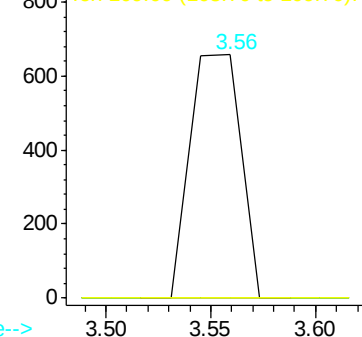


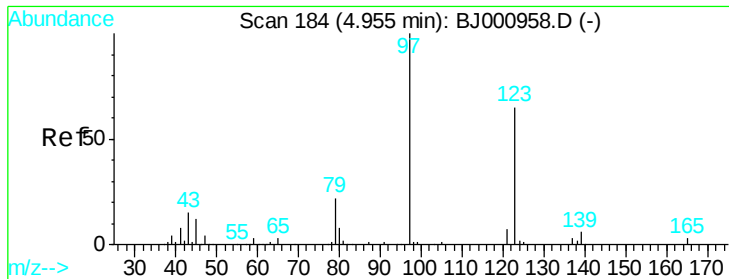
Abundance

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: 0.71 ug/mL

RT: 5.03 min Scan# 189

Delta R.T. 0.07 min

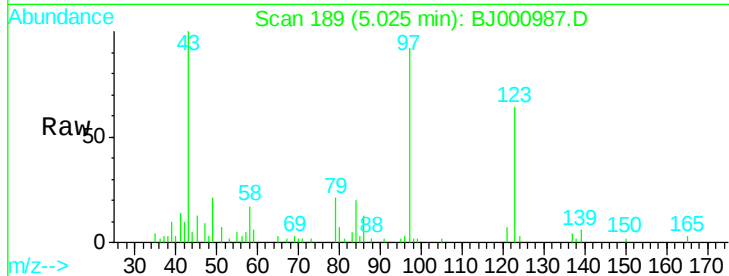
Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

Tgt Ion: 97 Resp: 110382

Ion Ratio Lower Upper

|     |       |      |      |
|-----|-------|------|------|
| 97  | 100   |      |      |
| 123 | 69.4  | 45.3 | 85.3 |
| 43  | 108.4 | 0.0  | 35.5 |
| 41  | 15.7  | 0.0  | 27.9 |



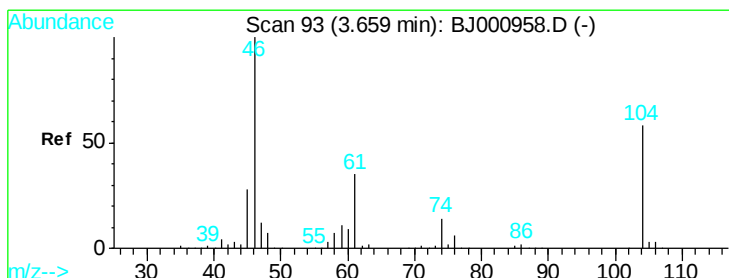
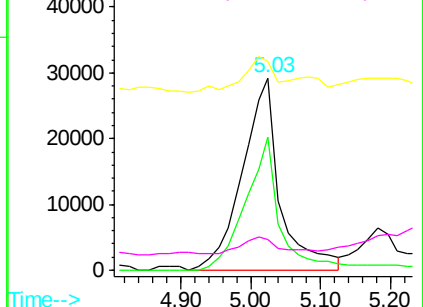
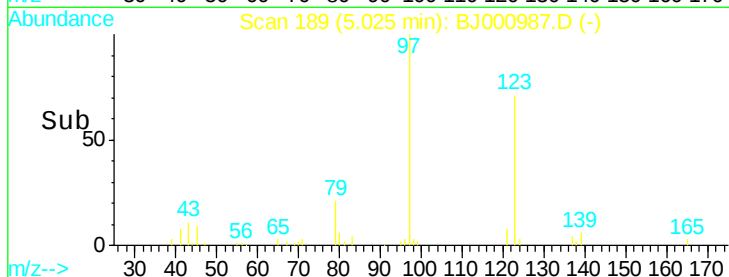
Abundance

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: 0.08 ug/mL

RT: 3.67 min Scan# 94

Delta R.T. 0.01 min

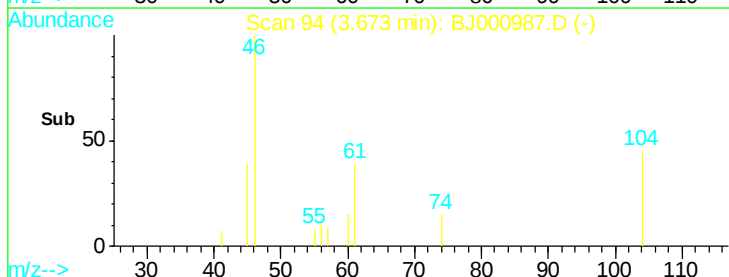
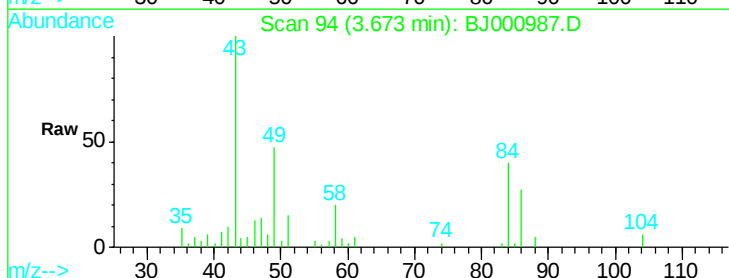
Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

Tgt Ion: 46 Resp: 4748

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 46  | 100  |      |      |
| 61  | 38.8 | 15.3 | 55.3 |
| 104 | 45.0 | 38.4 | 78.4 |

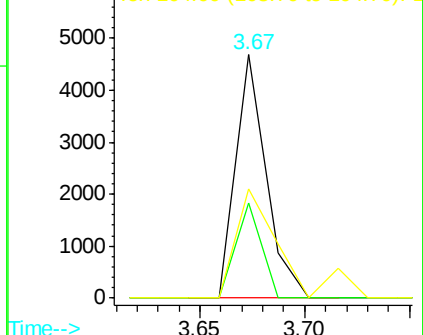


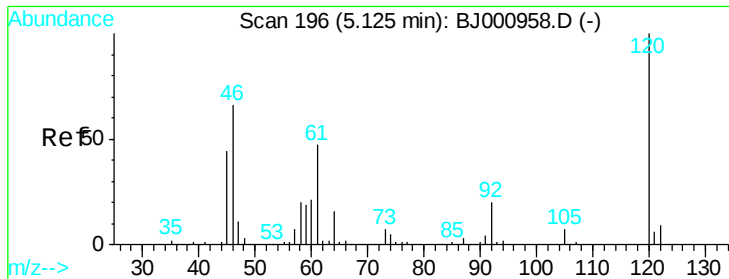
Abundance

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: 0.20 ug/mL

RT: 5.12 min Scan# 196

Delta R.T. -0.00 min

Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

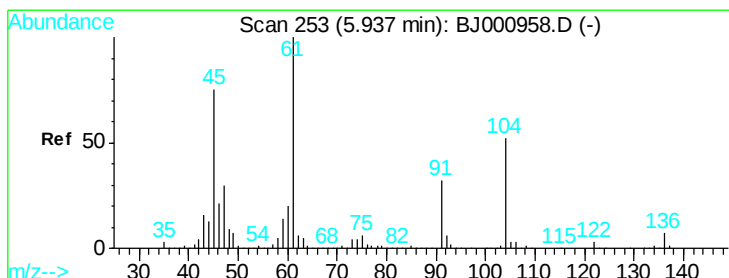
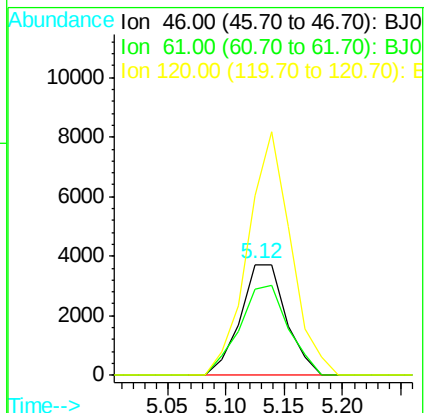
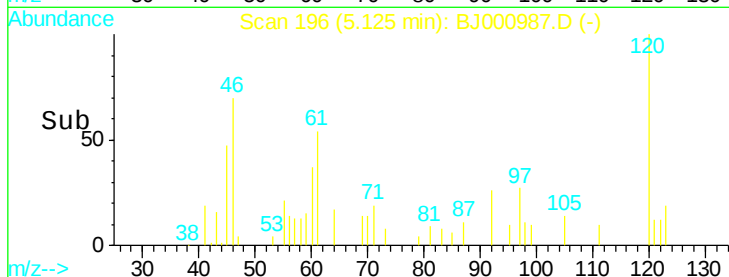
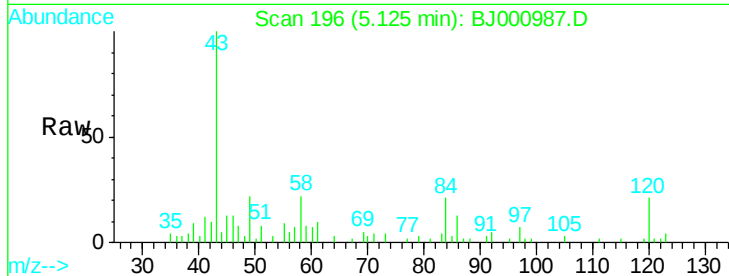
Tgt Ion: 46 Resp: 10178

Ion Ratio Lower Upper

46 100

61 77.4 50.6 90.6

120 162.1 131.1 171.1



#8

Thiodiglycol

Concen: 1.49 ug/mL

RT: 5.86 min Scan# 248

Delta R.T. -0.07 min

Lab File: BJ000987.D

Acq: 27 Jun 2012 22:41

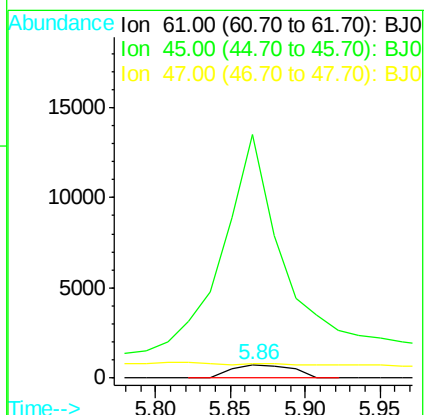
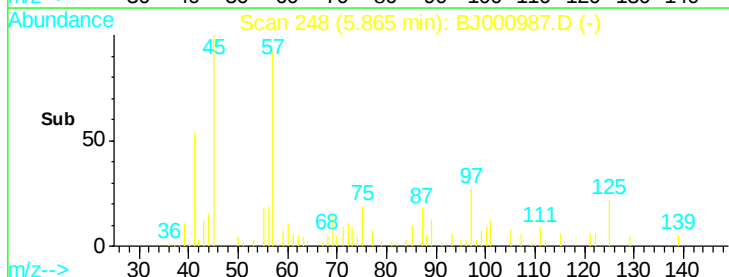
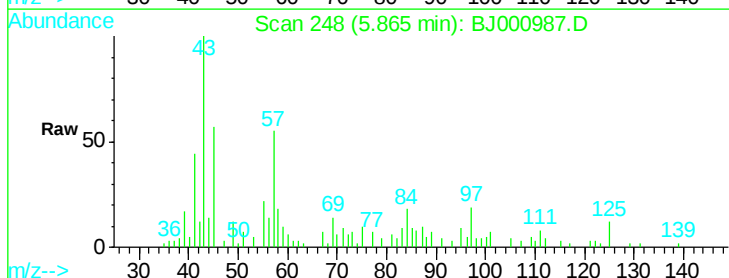
Tgt Ion: 61 Resp: 2054

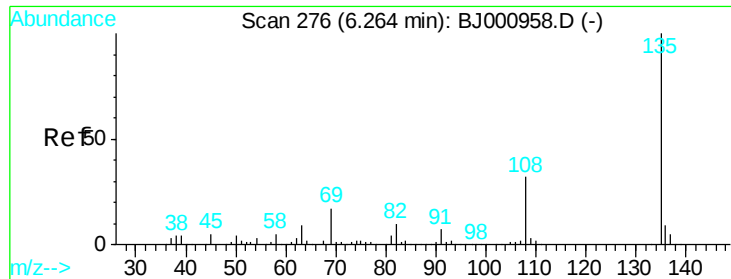
Ion Ratio Lower Upper

61 100

45 1841.2 55.5 95.5#

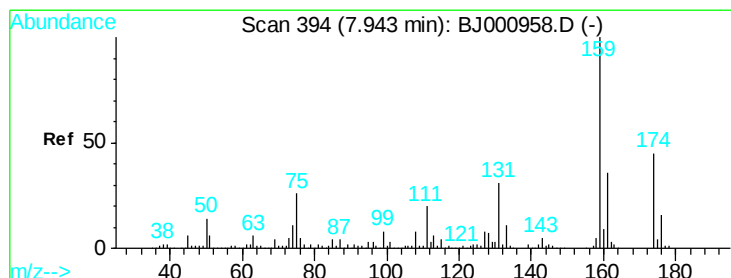
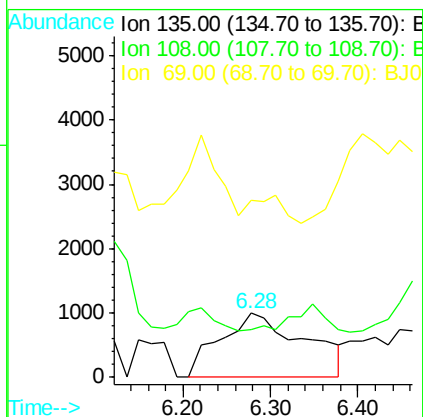
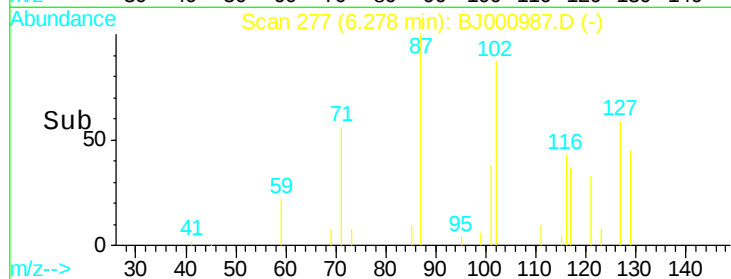
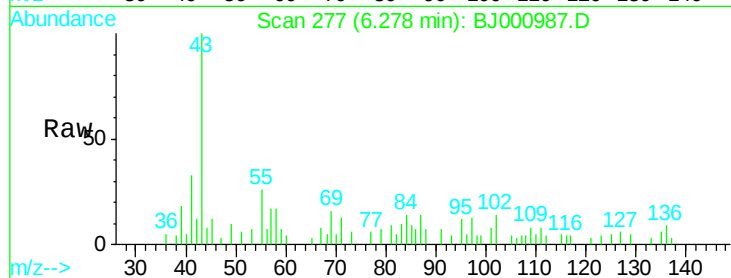
47 108.3 10.4 50.4#





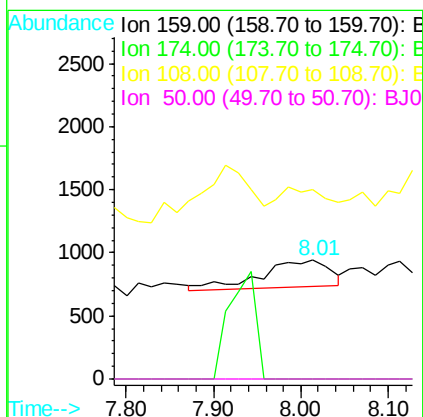
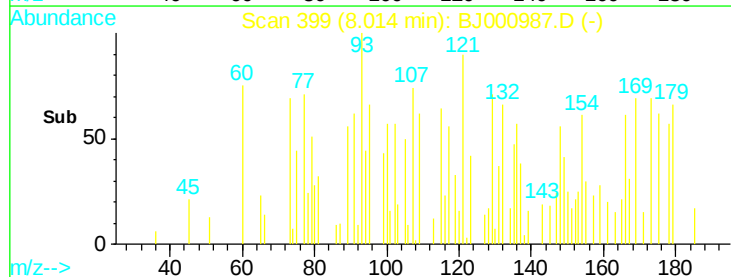
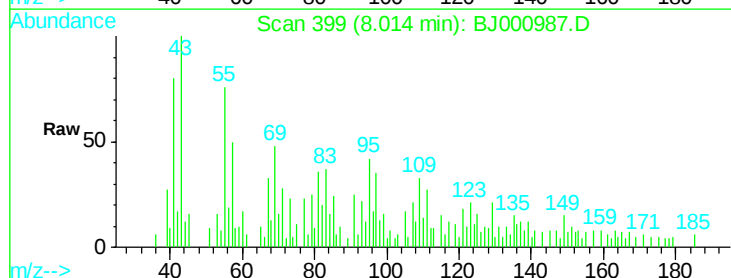
#9  
Benzothiazole  
Concen: 0.03 ug/mL  
RT: 6.28 min Scan# 277  
Delta R.T. 0.01 min  
Lab File: BJ000987.D  
Acq: 27 Jun 2012 22:41

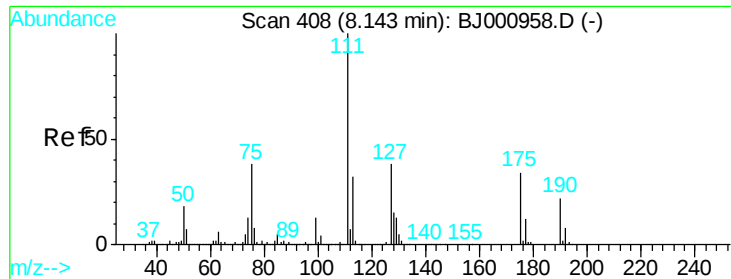
Tgt Ion:135 Resp: 6708  
Ion Ratio Lower Upper  
135 100  
108 74.8 12.4 52.4#  
69 275.9 0.0 36.7#



#13  
p-Chlorophenylmethylsulfoxide  
Concen: 0.05 ug/mL  
RT: 8.01 min Scan# 399  
Delta R.T. 0.07 min  
Lab File: BJ000987.D  
Acq: 27 Jun 2012 22:41

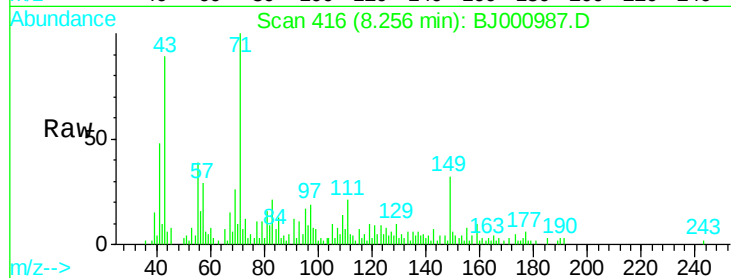
Tgt Ion:159 Resp: 1167  
Ion Ratio Lower Upper  
159 100  
174 0.0 26.0 66.0#  
108 43.0 0.0 28.6#  
50 0.0 0.0 37.3





#14  
 p-Chlorophenylmethylsulfone  
 Concen: 0.07 ug/mL  
 RT: 8.26 min Scan# 416  
 Delta R.T. 0.11 min  
 Lab File: BJ000987.D  
 Acq: 27 Jun 2012 22:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 111   | Resp: | 7010  |
| Ion      | Ratio | Lower | Upper |
| 111      | 100   |       |       |
| 75       | 22.0  | 19.3  | 59.3  |
| 127      | 29.2  | 18.4  | 58.4  |
| 190      | 13.5  | 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

