

Data File : H:\VOL1\GCMSDATA\J\120427\BJ000846.D  
 Acq On : 28 Apr 2012 00:54  
 Sample : D2367-04  
 Misc : WATER BNA J HLM  
 MS Integration Params: rteint.p  
 Quant Time: Apr 30 10:32 2012

Vial: 25  
 Operator: HLM  
 Inst : BNA J  
 Multiplr: 1.00

Quant Results File: BJ042612.RES

Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M (RTE Integrator)  
 Title : CWA degradation products by GCMS  
 Last Update : Mon Apr 30 10:31:38 2012  
 Response via : Initial Calibration  
 DataAcq Meth : CWAJ

| Internal Standards        | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.75 | 152  | 235640   | 2.00 | ug/mL | 0.00     |
| 6) Naphthalene-d8         | 6.05 | 136  | 1111640  | 2.00 | ug/mL | 0.00     |

#### System Monitoring Compounds

|                        |       |       |          |          |       |         |
|------------------------|-------|-------|----------|----------|-------|---------|
| 10) Tripropylphosphate | 7.10  | 99    | 191082   | 0.50     | ug/mL | 0.01    |
| Spiked Amount          | 0.500 | Range | 70 - 130 | Recovery | =     | 100.00% |
| 12) 2-Bromothioanisole | 7.34  | 204   | 279196   | 3.83     | ug/mL | 0.00    |
| Spiked Amount          | 5.000 | Range | 70 - 130 | Recovery | =     | 76.60%  |

#### Target Compounds

|                                | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 3) DMMP                        | 3.75 | 79   | 437      | 0.11   | ug/mL# | 10     |
| 4) DIMP                        | 5.08 | 97   | 4232     | 0.03   | ug/mL# | 1      |
| 5) 1,4-Oxathiane               | 3.75 | 46   | 12558725 | 150.27 | ug/mL# | 68     |
| 7) 1,4-Dithiane                | 5.22 | 46   | 9408019  | 128.13 | ug/mL# | 81     |
| 8) Thiodiglycol                | 5.95 | 61   | 25004    | 2.05   | ug/mL# | 1      |
| 9) Benzothiazole               | 6.34 | 135  | 9782     | 0.04   | ug/mL# | 1      |
| 11) p-Chlorophenylmethylsulfid | 6.67 | 158  | 2012     | 0.01   | ug/mL# | 1      |
| 14) p-Chlorophenylmethylsulfon | 8.32 | 111  | 25094    | 0.16   | ug/mL  | 70     |

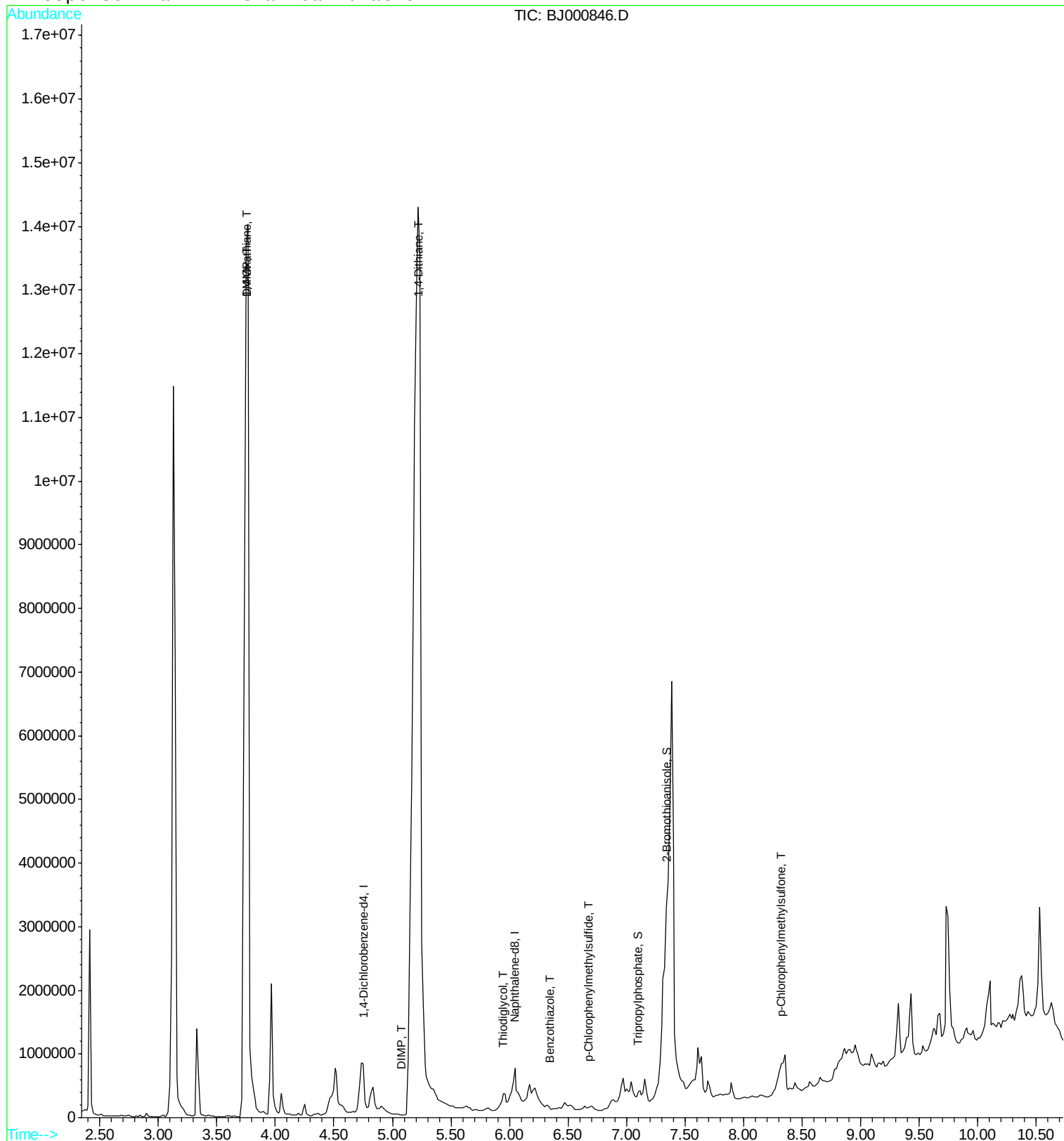
# Quantitation Report

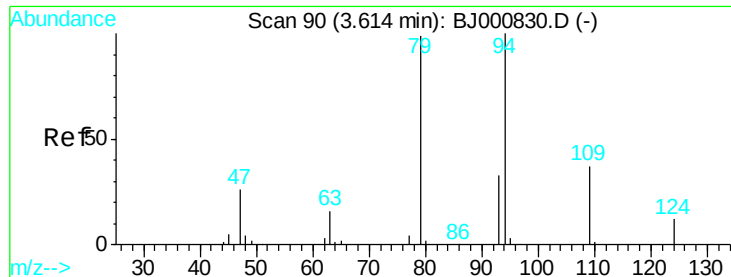
Data File : H:\VOL1\GCMSDATA\J\120427\BJ000846.D  
 Acq On : 28 Apr 2012 00:54  
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Vial: 25  
 Operator: HLM  
 Inst : BNA J  
 Multiplr: 1.00

Quant Results File: BJ042612.RES

Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M (RTE Integrator)  
 Title : CWA degradation products by GCMS  
 Last Update : Mon Apr 30 10:31:38 2012  
 Response via : Initial Calibration





#3

DMMP

Concen: 0.11 ug/mL

RT: 3.75 min Scan# 100

Delta R.T. 0.14 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

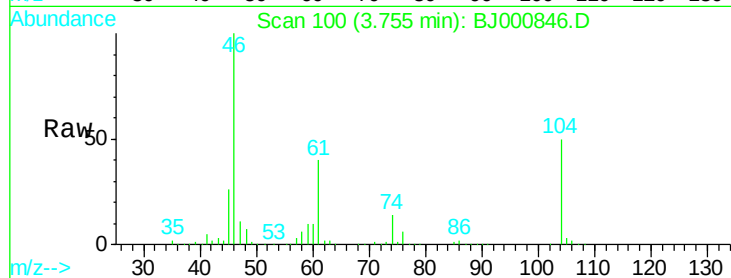
Tgt Ion: 79 Resp: 437

Ion Ratio Lower Upper

79 100

94 0.0 80.8 120.8#

109 0.0 17.5 57.5#

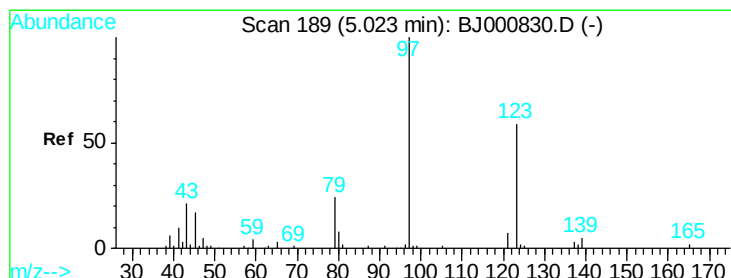
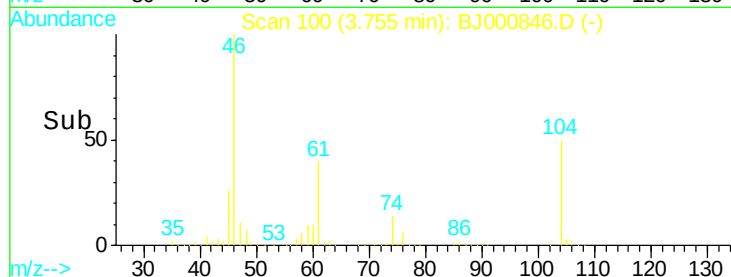
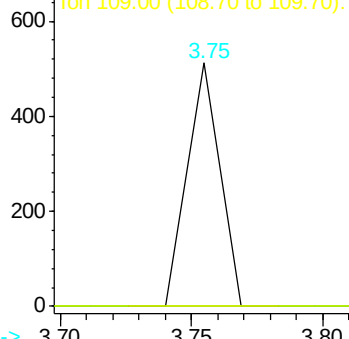


Abundance

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: 0.03 ug/mL

RT: 5.08 min Scan# 193

Delta R.T. 0.06 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

Tgt Ion: 97 Resp: 4232

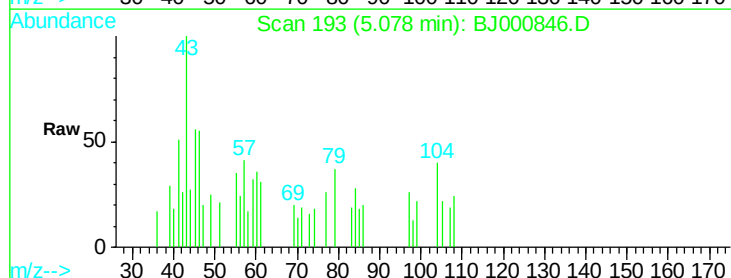
Ion Ratio Lower Upper

97 100

123 0.0 39.1 79.1#

43 378.4 0.9 40.9#

41 192.6 0.0 30.0#



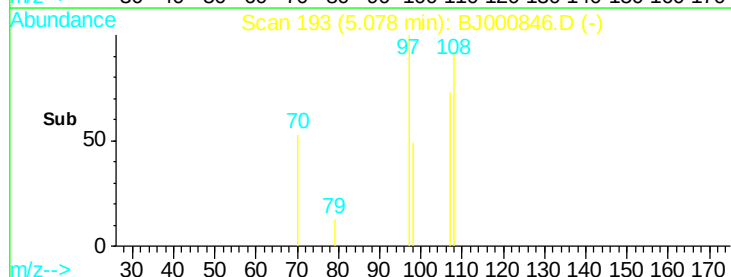
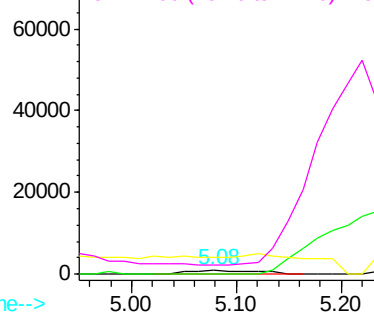
Abundance

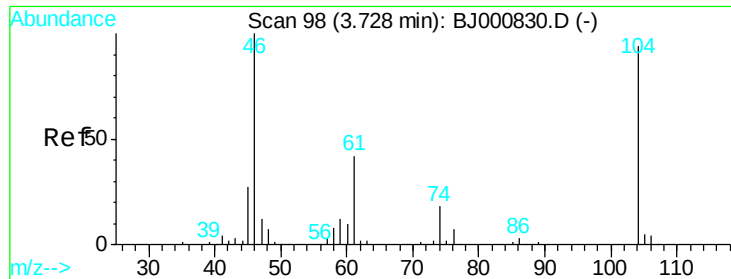
Ion 97.00 (96.70 to 97.70): BJ0

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: 150.27 ug/mL

RT: 3.75 min Scan# 100

Delta R.T. 0.03 min

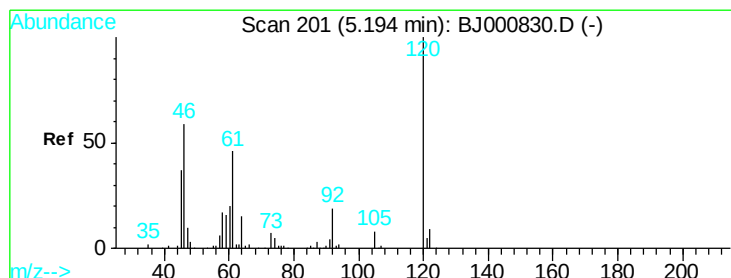
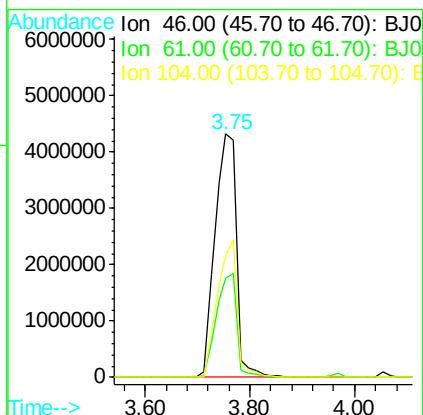
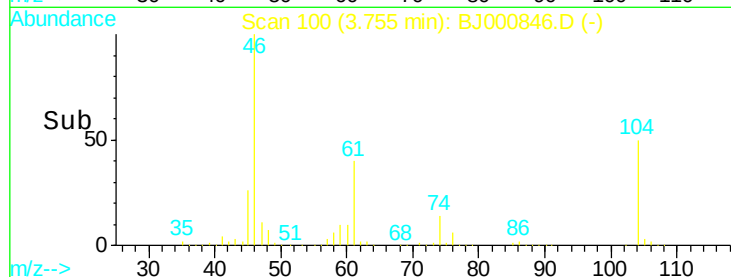
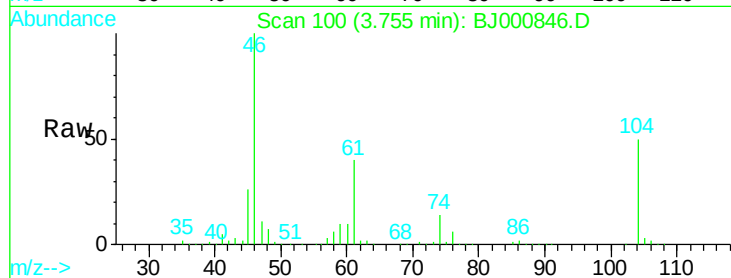
Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

Tgt Ion: 46 Resp:12558725

Ion Ratio Lower Upper

|     |      |      |        |
|-----|------|------|--------|
| 46  | 100  |      |        |
| 61  | 40.4 | 22.0 | 62.0   |
| 104 | 50.1 | 73.6 | 113.6# |



#7

1,4-Dithiane

Concen: 128.13 ug/mL

RT: 5.22 min Scan# 203

Delta R.T. 0.03 min

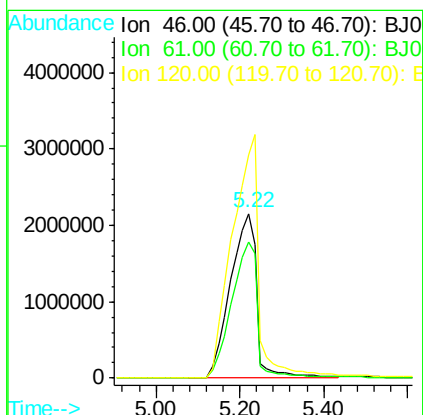
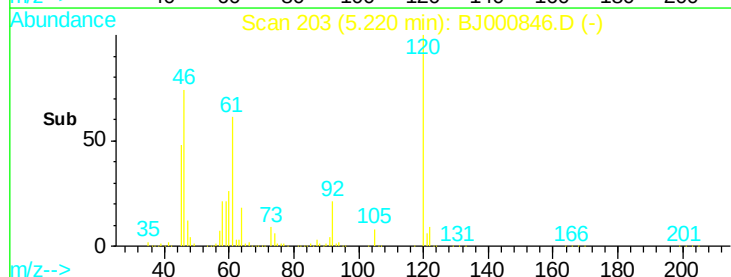
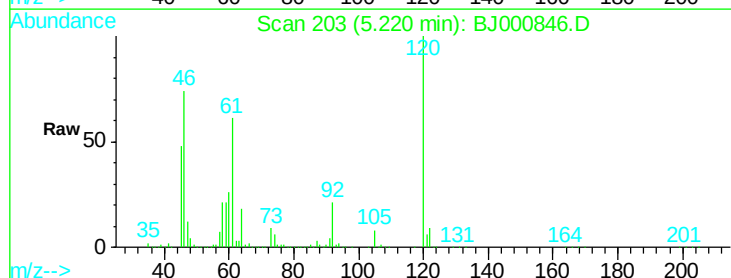
Lab File: BJ000846.D

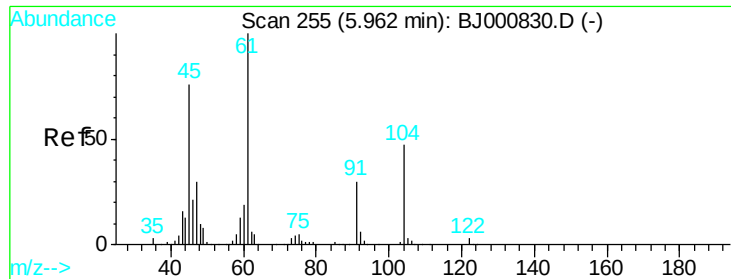
Acq: 28 Apr 2012 00:54

Tgt Ion: 46 Resp: 9408019

Ion Ratio Lower Upper

|     |       |       |        |
|-----|-------|-------|--------|
| 46  | 100   |       |        |
| 61  | 82.2  | 56.7  | 96.7   |
| 120 | 135.0 | 148.6 | 188.6# |





#8

Thiodiglycol

Concen: 2.05 ug/mL

RT: 5.95 min Scan# 254

Delta R.T. -0.02 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

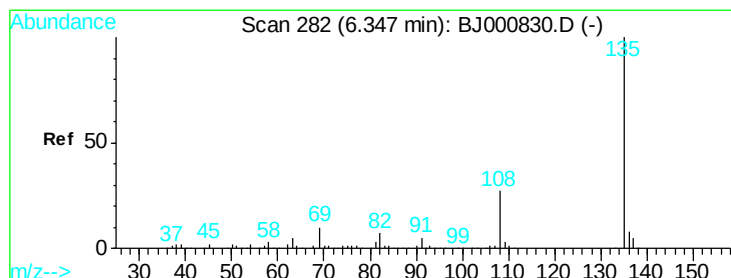
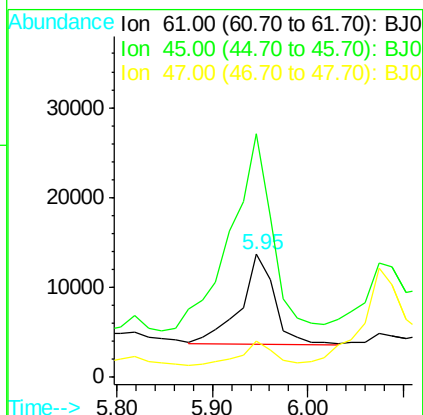
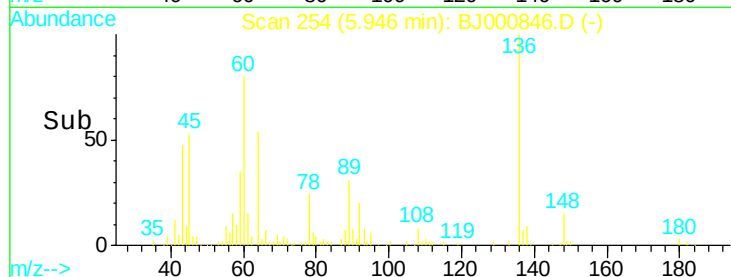
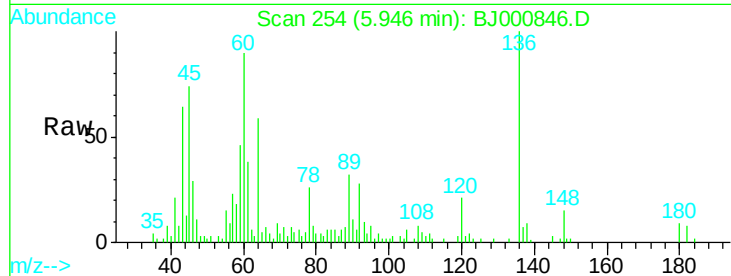
Tgt Ion: 61 Resp: 25004

Ion Ratio Lower Upper

61 100

45 197.9 56.4 96.4#

47 29.6 10.1 50.1



#9

Benzothiazole

Concen: 0.04 ug/mL

RT: 6.34 min Scan# 282

Delta R.T. -0.00 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

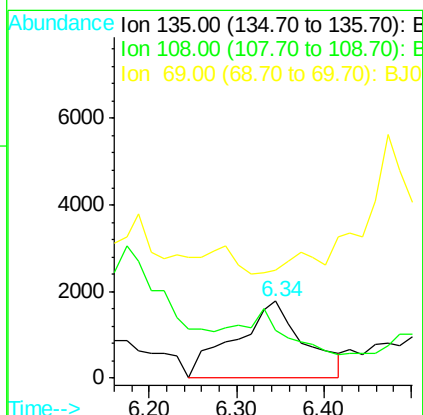
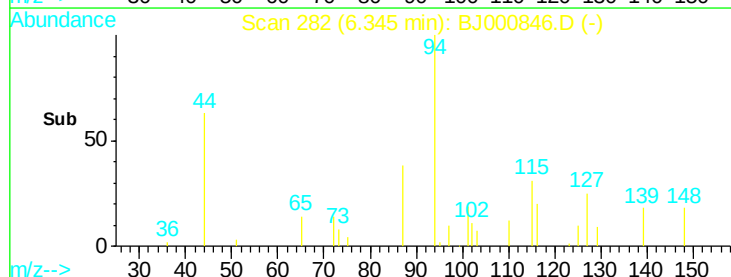
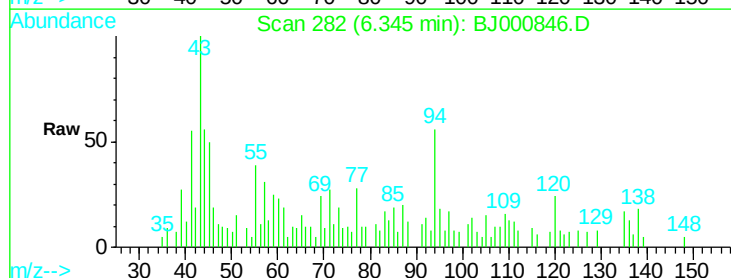
Tgt Ion: 135 Resp: 9782

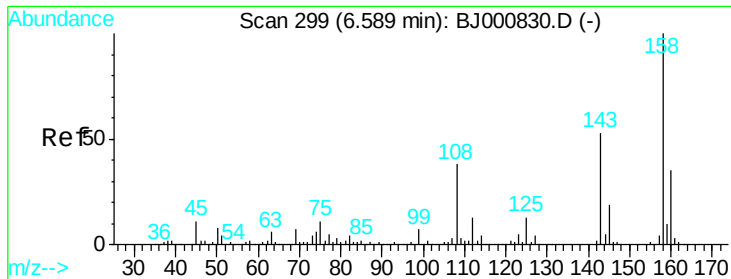
Ion Ratio Lower Upper

135 100

108 62.2 7.0 47.0#

69 140.7 0.0 30.4#





#11

p-Chlorophenylmethylsulfide

Concen: 0.01 ug/mL

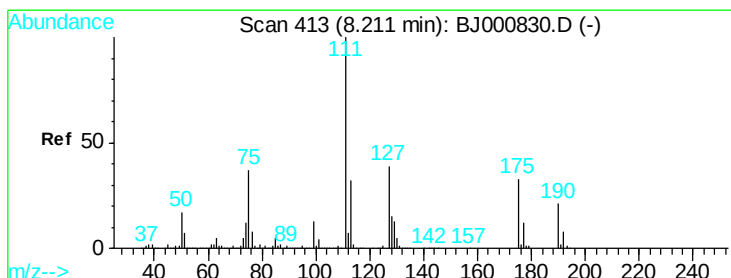
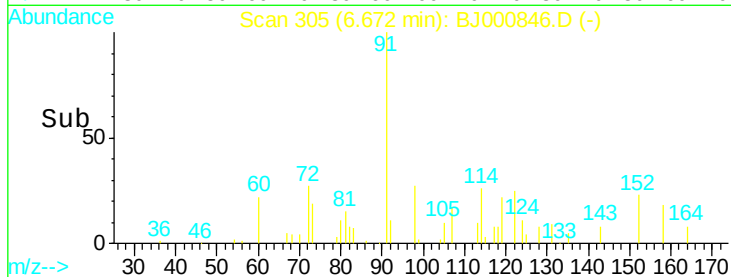
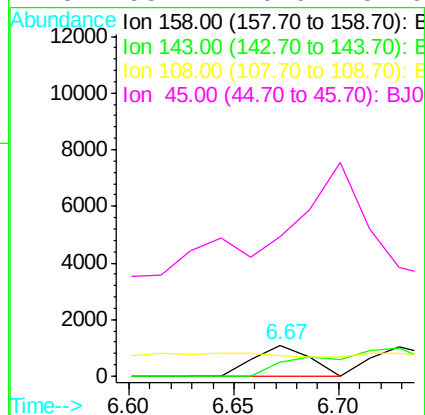
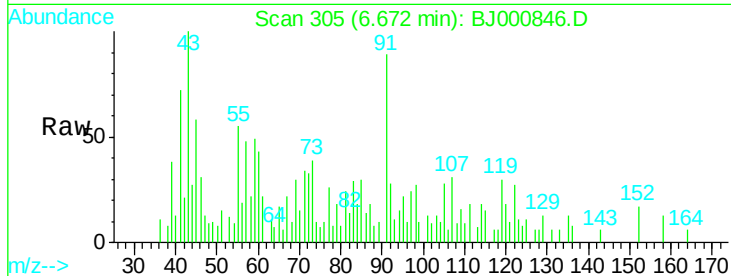
RT: 6.67 min Scan# 305

Delta R.T. 0.08 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 158   | Resp: | 2012  |
| Ion      | Ratio | Lower | Upper |
| 158      | 100   |       |       |
| 143      | 46.0  | 32.7  | 72.7  |
| 108      | 66.8  | 18.7  | 58.7# |
| 45       | 453.4 | 0.0   | 31.9# |



#14

p-Chlorophenylmethylsulfone

Concen: 0.16 ug/mL

RT: 8.32 min Scan# 421

Delta R.T. 0.11 min

Lab File: BJ000846.D

Acq: 28 Apr 2012 00:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 111   | Resp: | 25094 |
| Ion      | Ratio | Lower | Upper |
| 111      | 100   |       |       |
| 75       | 21.0  | 18.5  | 58.5  |
| 127      | 21.7  | 19.3  | 59.3  |
| 190      | 36.7  | 0.9   | 40.9  |

