

Data File : H:\VOL1\GCMSDATA\J\120427\BJ000834.D  
 Acq On : 27 Apr 2012 21:19  
 Sample : 2330-16  
 Misc : WATER BNA J HLM  
 MS Integration Params: rteint.p  
 Quant Time: Apr 30 10:31 2012

Vial: 13  
 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  | 219216   | 2.00 | ug/mL | 0.00     |
| 6) Naphthalene-d8         | 6.05 | 136  | 884260   | 2.00 | ug/mL | 0.00     |

#### System Monitoring Compounds

|                        |       |       |          |          |       |         |
|------------------------|-------|-------|----------|----------|-------|---------|
| 10) Tripropylphosphate | 7.10  | 99    | 171585   | 0.57     | ug/mL | 0.01    |
| Spiked Amount          | 0.500 | Range | 70 - 130 | Recovery | =     | 114.00% |
| 12) 2-Bromothioanisole | 7.34  | 204   | 265601   | 4.58     | ug/mL | 0.00    |
| Spiked Amount          | 5.000 | Range | 70 - 130 | Recovery | =     | 91.60%  |

#### Target Compounds

|                                | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 3) DMMP                        | 3.60 | 79   | 4268     | 0.16  | ug/mL# | 10     |
| 4) DIMP                        | 5.04 | 97   | 31066    | 0.17  | ug/mL# | 50     |
| 5) 1,4-Oxathiane               | 3.73 | 46   | 1521749  | 19.57 | ug/mL# | 64     |
| 7) 1,4-Dithiane                | 5.21 | 46   | 3743437  | 64.09 | ug/mL  | 91     |
| 8) Thiodiqlvcol                | 5.95 | 61   | 177723   | 4.62  | ug/mL# | 10     |
| 9) Benzothiazole               | 6.34 | 135  | 10454    | 0.05  | ug/mL# | 1      |
| 11) p-Chlorophenylmethyisulfid | 6.59 | 158  | 1935     | 0.01  | ug/mL# | 1      |
| 13) p-Chlorophenylmethyisulfox | 8.12 | 159  | 7858     | 0.09  | ug/mL# | 53     |
| 14) p-Chlorophenylmethyisulfon | 8.18 | 111  | 2180     | 0.02  | ug/mL# | 60     |

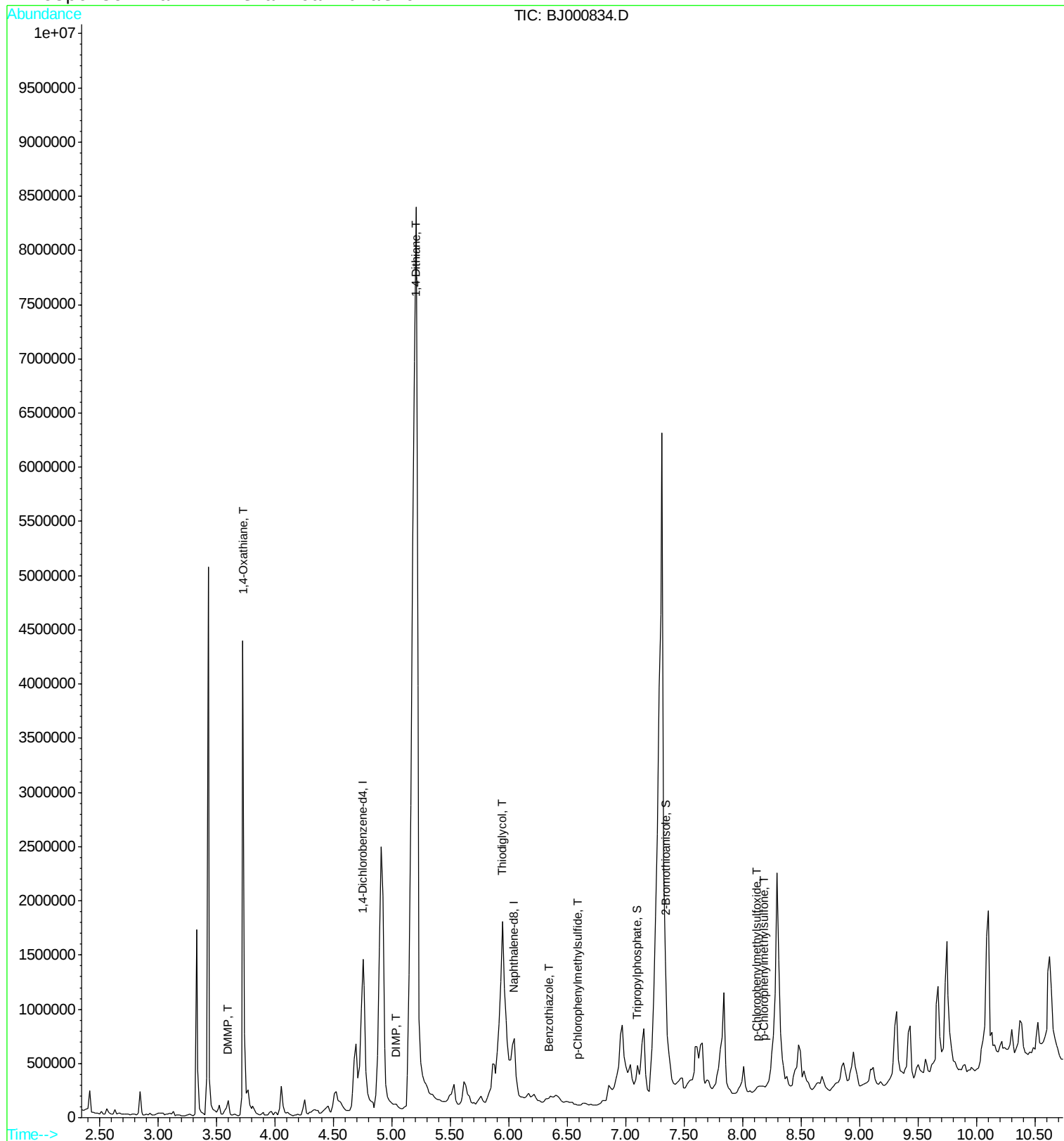
## Quantitation Report

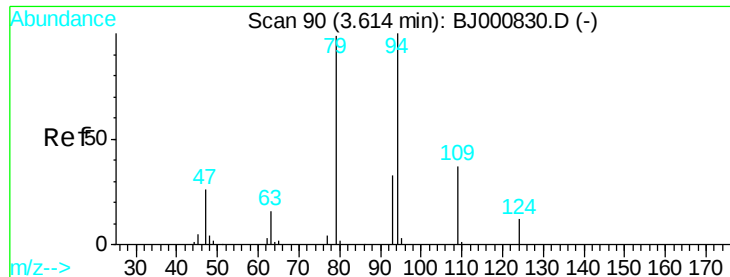
Data File : H:\VOL1\GCMSDATA\J\120427\BJ000834.D  
Acq On : 27 Apr 2012 21:19  
Sample : 2330-16  
Misc : WATER BNA J HLM  
MS Integration Params: rteint.p  
Quant Time: Apr 30 10:31 2012

Vial: 13  
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: 0.16 ug/mL

RT: 3.60 min Scan# 89

Delta R.T. -0.02 min

Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

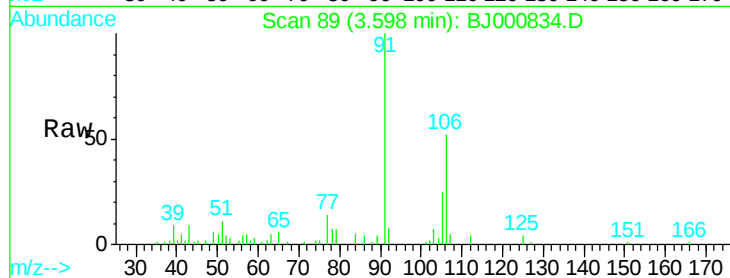
Tgt Ion: 79 Resp: 4268

Ion Ratio Lower Upper

79 100

94 0.0 80.8 120.8#

109 0.0 17.5 57.5#

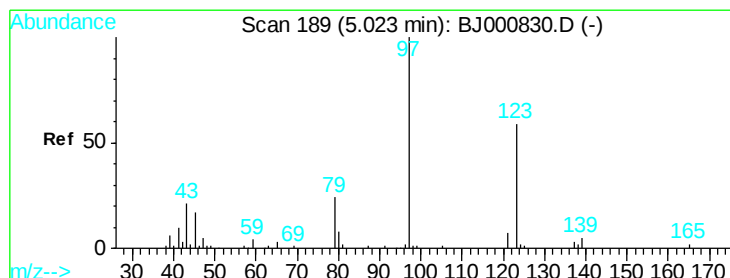
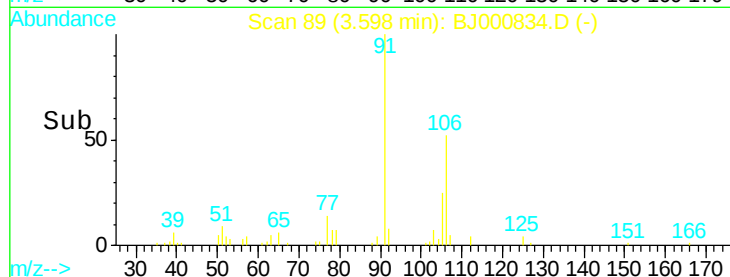
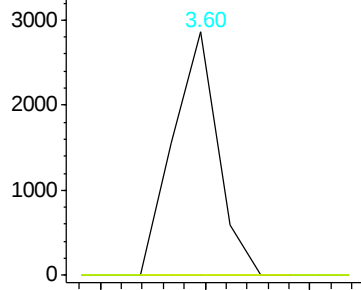


Abundance

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: 0.17 ug/mL

RT: 5.04 min Scan# 190

Delta R.T. 0.01 min

Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

Tgt Ion: 97 Resp: 31066

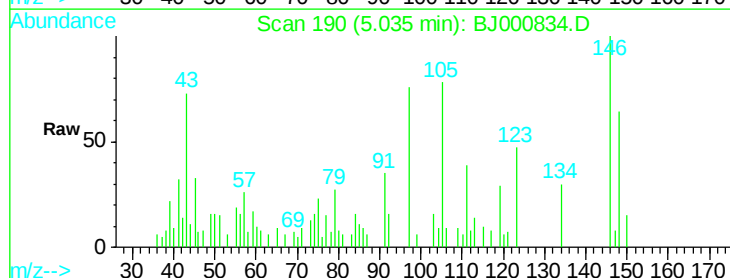
Ion Ratio Lower Upper

97 100

123 62.1 39.1 79.1

43 96.5 0.9 40.9#

41 42.2 0.0 30.0#



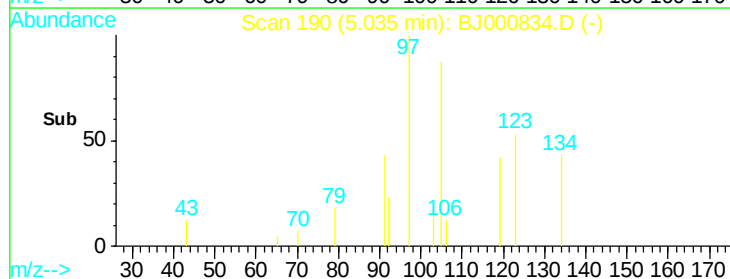
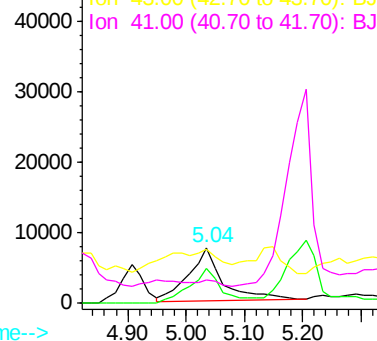
Abundance

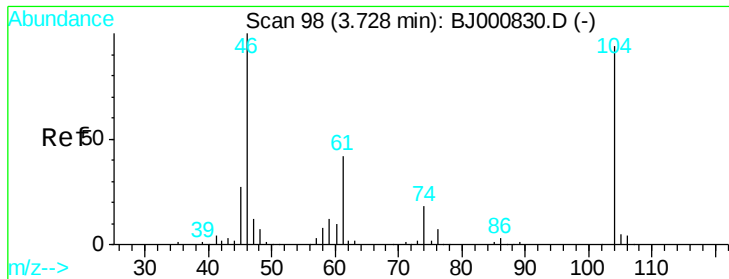
Ion 97.00 (96.70 to 97.70): BJ0

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: 19.57 ug/mL

RT: 3.73 min Scan# 98

Delta R.T. -0.00 min

Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

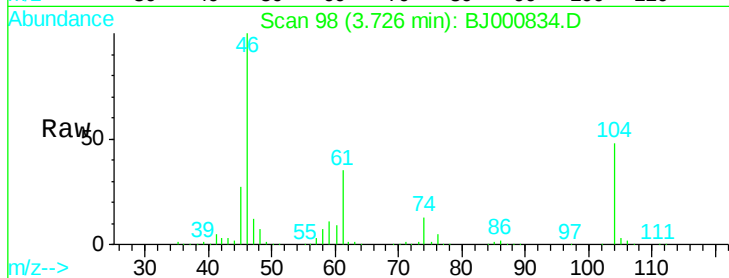
Tgt Ion: 46 Resp: 1521749

Ion Ratio Lower Upper

46 100

61 35.0 22.0 62.0

104 47.9 73.6 113.6#

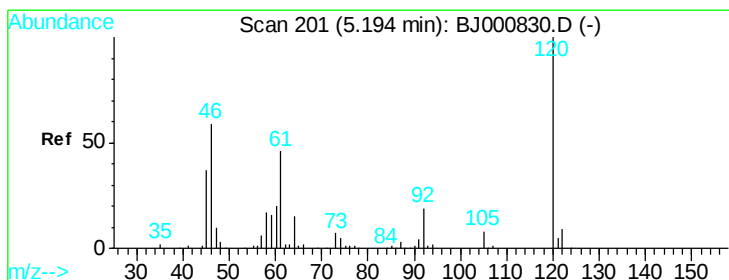
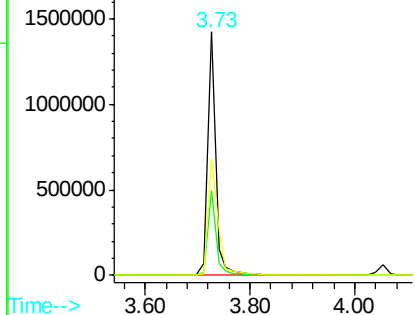
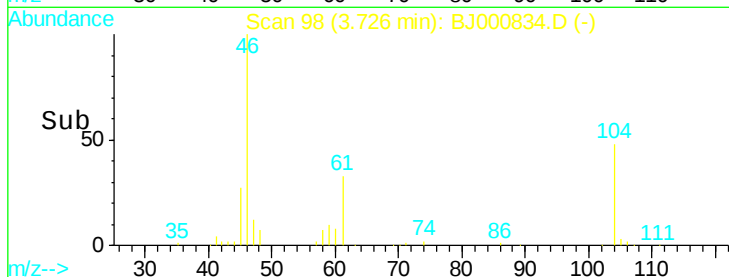


Abundance

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: 64.09 ug/mL

RT: 5.21 min Scan# 202

Delta R.T. 0.01 min

Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

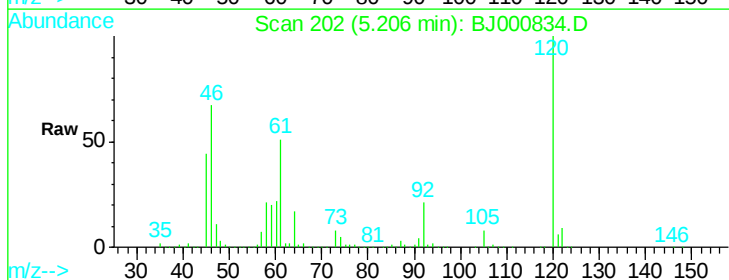
Tgt Ion: 46 Resp: 3743437

Ion Ratio Lower Upper

46 100

61 76.3 56.7 96.7

120 150.2 148.6 188.6

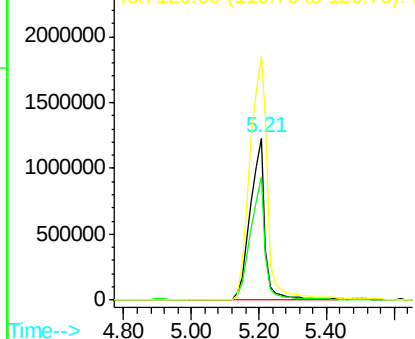
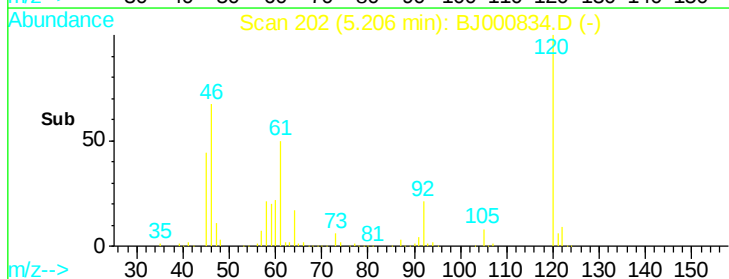


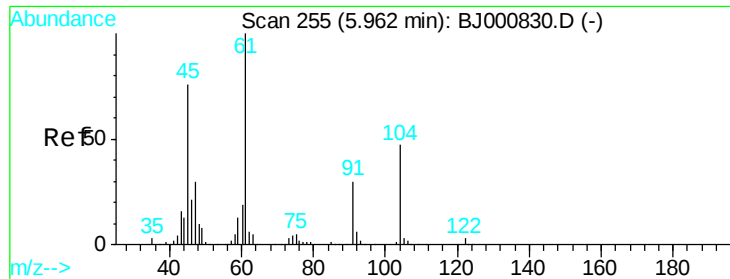
Abundance

Ion 46.00 (45.70 to 46.70): BJ0

Ion 61.00 (60.70 to 61.70): BJ0

Ion 120.00 (119.70 to 120.70): BJ0





#8

Thiodiglycol

Concen: 4.62 ug/mL

RT: 5.95 min Scan# 254

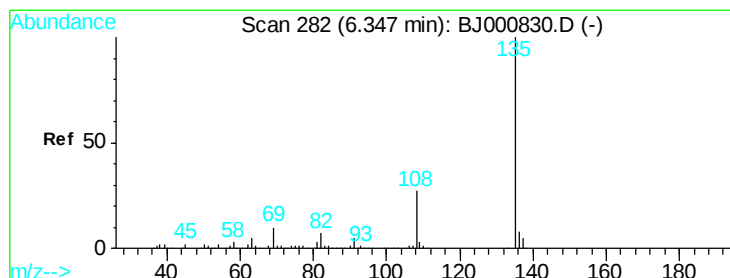
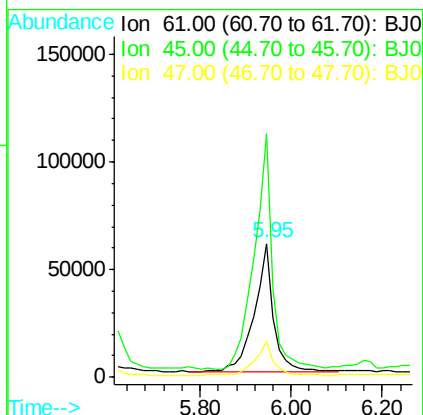
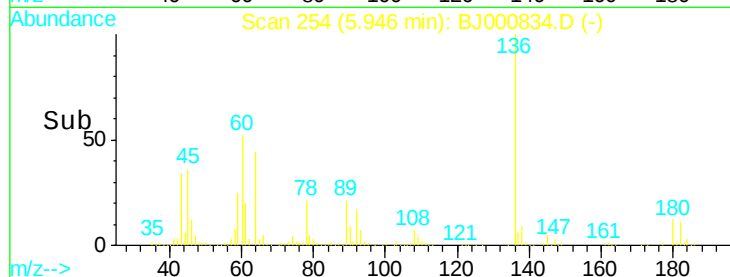
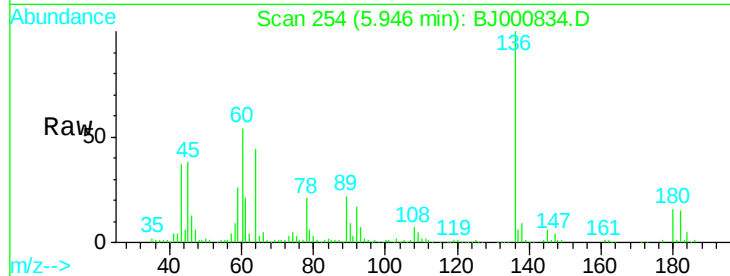
Delta R.T. -0.02 min

Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

Tgt Ion: 61 Resp: 177723

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 45  | 182.3 | 56.4  | 96.4# |
| 47  | 26.8  | 10.1  | 50.1  |



#9

Benzothiazole

Concen: 0.05 ug/mL

RT: 6.34 min Scan# 282

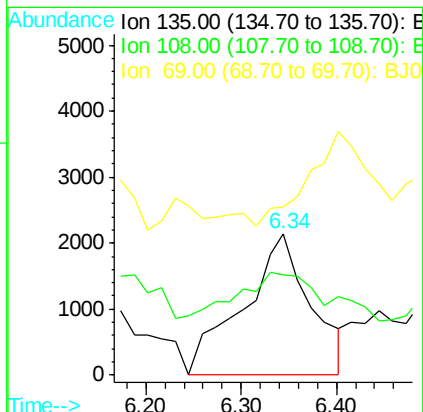
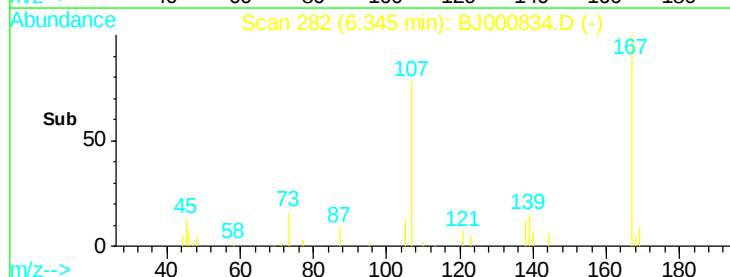
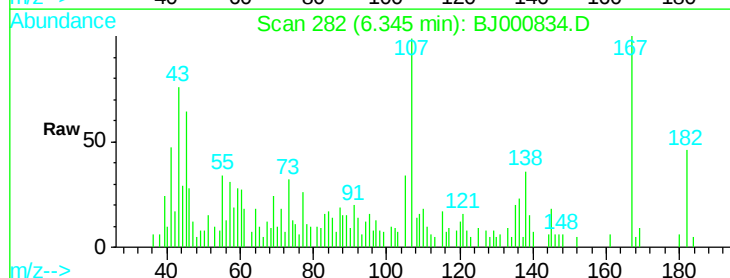
Delta R.T. -0.00 min

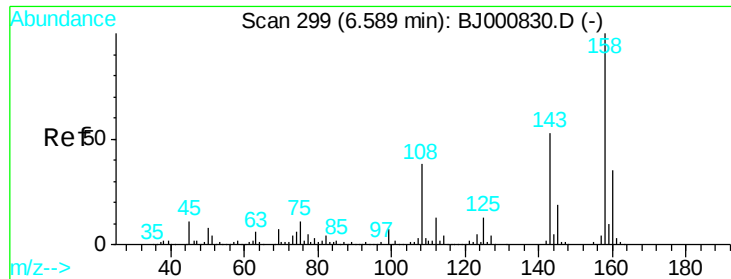
Lab File: BJ000834.D

Acq: 27 Apr 2012 21:19

Tgt Ion:135 Resp: 10454

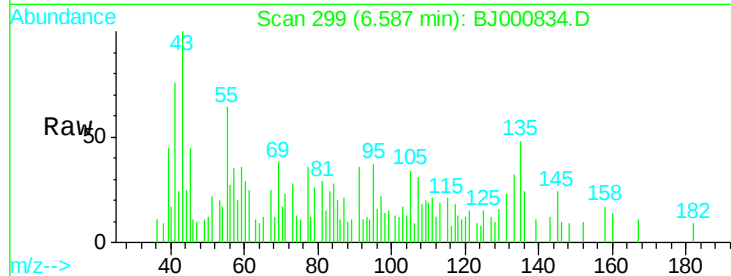
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 135 | 100   |       |       |
| 108 | 70.9  | 7.0   | 47.0# |
| 69  | 119.3 | 0.0   | 30.4# |





#11  
p-Chlorophenylmethylsulfide  
Concen: 0.01 ug/mL  
RT: 6.59 min Scan# 299  
Delta R.T. -0.00 min  
Lab File: BJ000834.D  
Acq: 27 Apr 2012 21:19

Tgt Ion:158 Resp: 1935  
Ion Ratio Lower Upper  
158 100  
143 72.8 32.7 72.7#  
108 108.4 18.7 58.7#  
45 265.3 0.0 31.9#



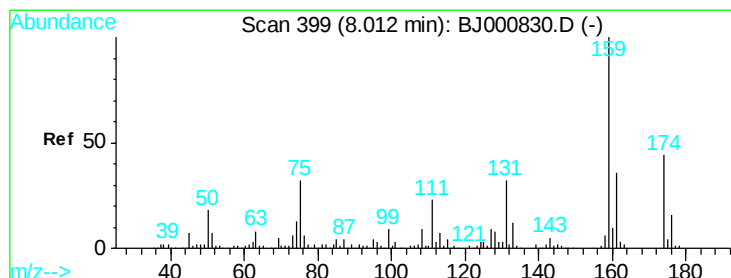
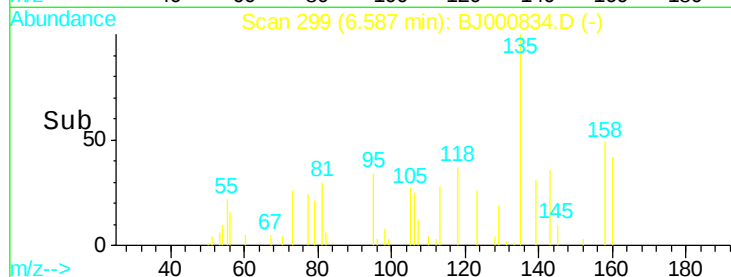
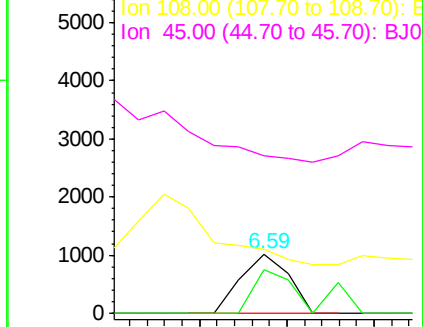
Abundance

Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

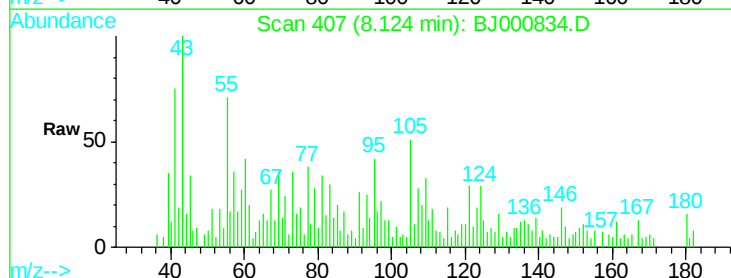
Ion 108.00 (107.70 to 108.70): E

Ion 45.00 (44.70 to 45.70): BJ0



#13  
p-Chlorophenylmethylsulfoxide  
Concen: 0.09 ug/mL  
RT: 8.12 min Scan# 407  
Delta R.T. 0.11 min  
Lab File: BJ000834.D  
Acq: 27 Apr 2012 21:19

Tgt Ion:159 Resp: 7858  
Ion Ratio Lower Upper  
159 100  
174 11.7 28.0 68.0#  
108 0.0 0.0 28.5  
50 0.0 0.0 36.1



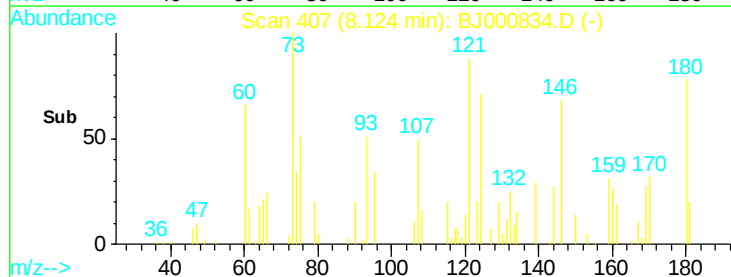
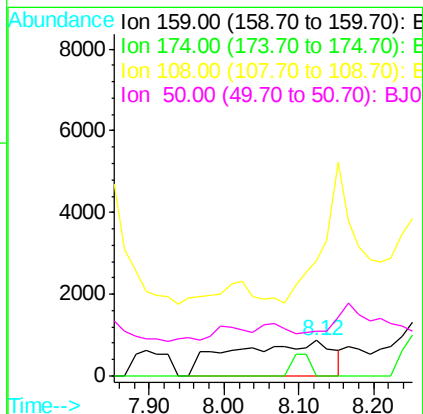
Abundance

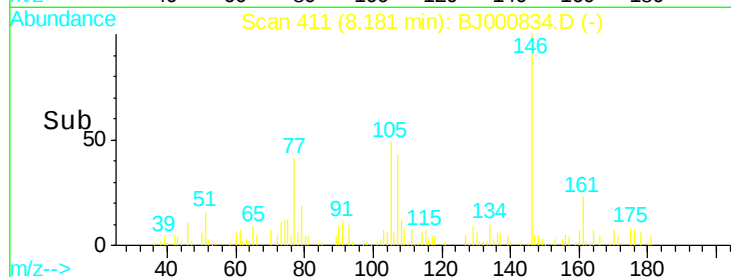
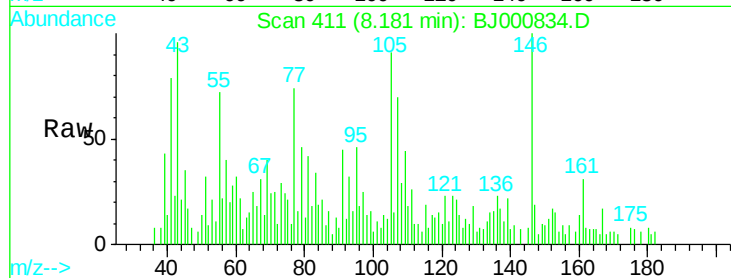
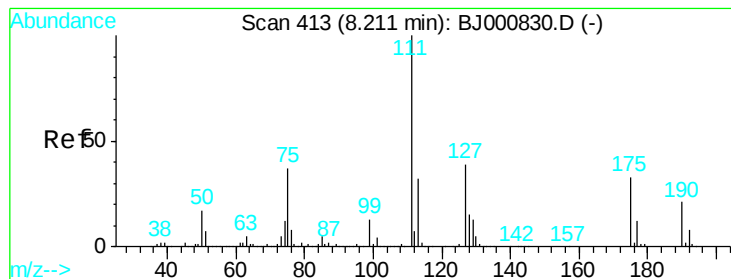
Ion 159.00 (158.70 to 159.70): E

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: 0.02 ug/mL  
 RT: 8.18 min Scan# 411  
 Delta R.T. -0.03 min  
 Lab File: BJ000834.D  
 Acq: 27 Apr 2012 21:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 111   | Resp: | 2180  |
| Ion Ratio | Lower | Upper |       |
| 111       | 100   |       |       |
| 75        | 79.2  | 18.5  | 58.5# |
| 127       | 45.5  | 19.3  | 59.3  |
| 190       | 0.0   | 0.9   | 40.9# |

