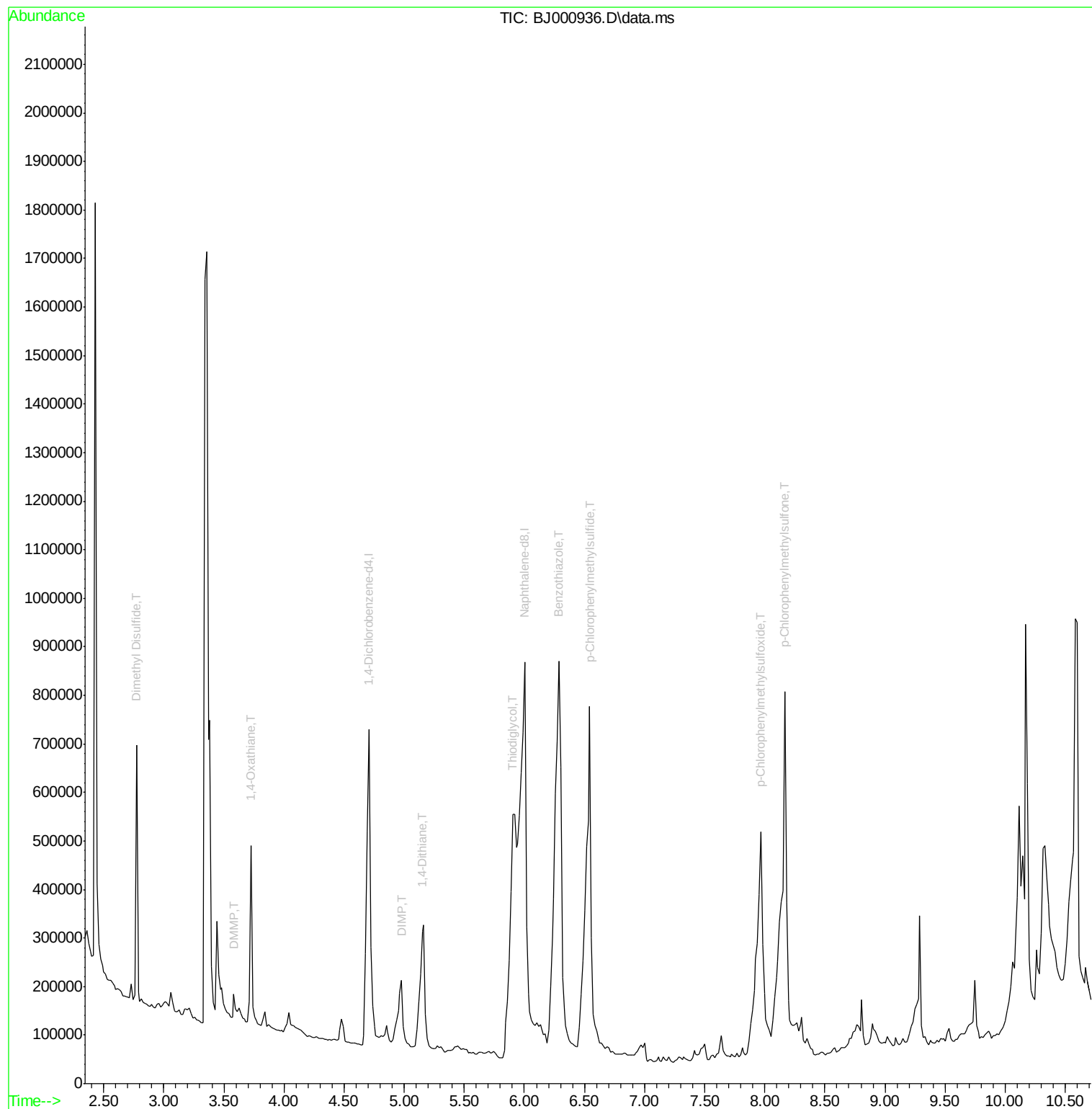
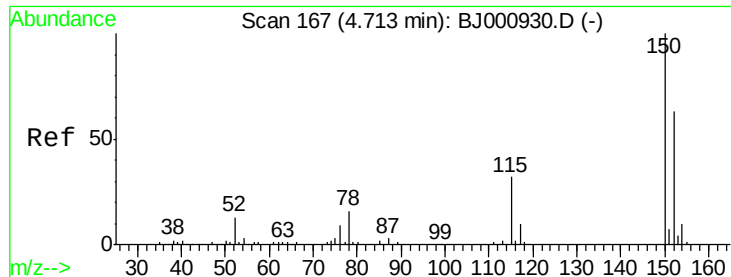


Data Path : Z:\HPCHEM1\BNA\_J\data\BJ060812\  
Data File : BJ000936.D  
Acq On : 8 Jun 2012 14:56  
Operator : HLM  
Sample : CWA-ICV  
Misc : BNA\_J HLM  
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 07:46:18 2012  
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M  
Quant Title : CWA degradation products by GCMS  
QLast Update : Fri Jun 08 15:54:08 2012  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.708 min Scan# 167

Delta R.T. -0.005 min

Lab File: BJ000936.D

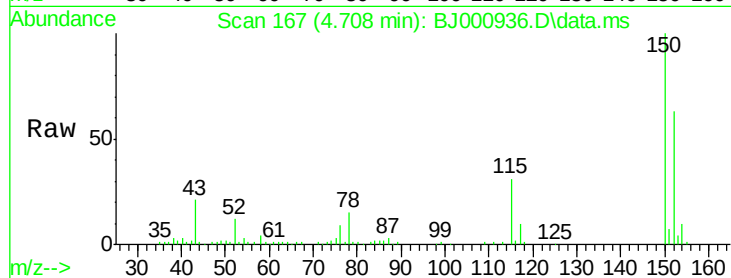
Acq: 8 Jun 2012 14:56

Tgt Ion: 152 Resp: 271022

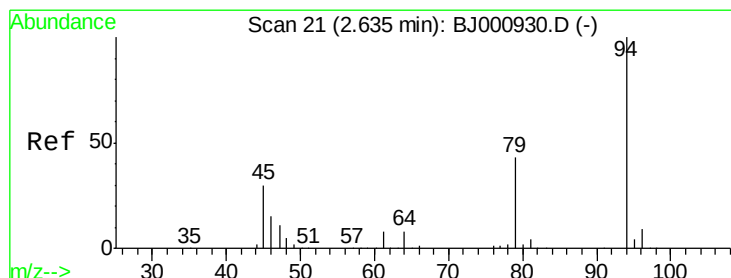
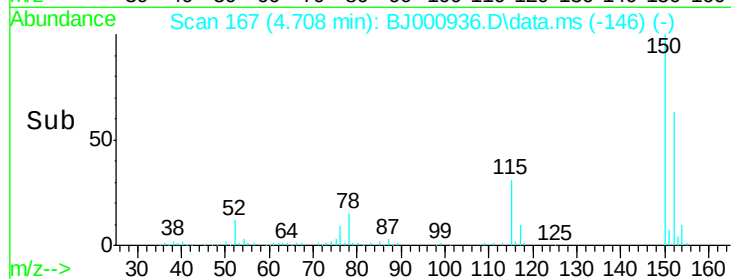
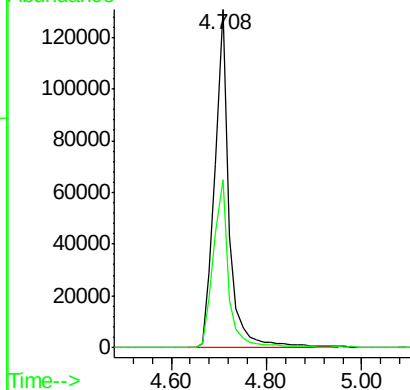
Ion Ratio Lower Upper

152 100

115 49.8 30.6 70.6



Abundance



#2

Dimethyl Disulfide

Concen: 1.83 ug/mL

RT: 2.772 min Scan# 31

Delta R.T. 0.137 min

Lab File: BJ000936.D

Acq: 8 Jun 2012 14:56

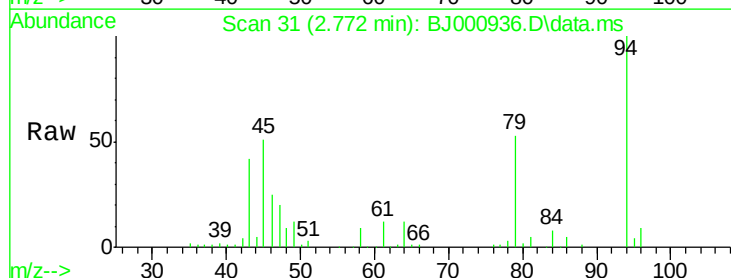
Tgt Ion: 94 Resp: 168817

Ion Ratio Lower Upper

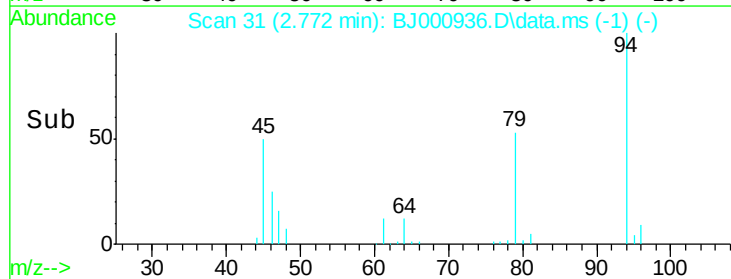
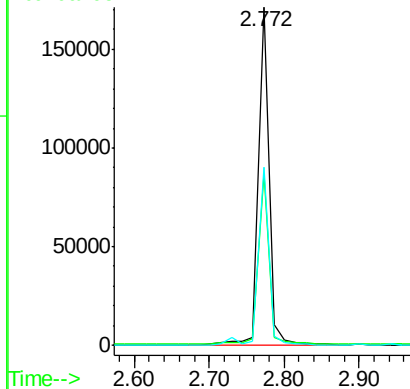
94 100

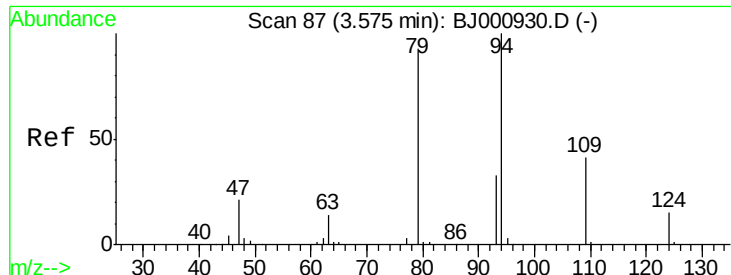
45 50.9 11.1 51.1

79 52.6 22.9 62.9



Abundance



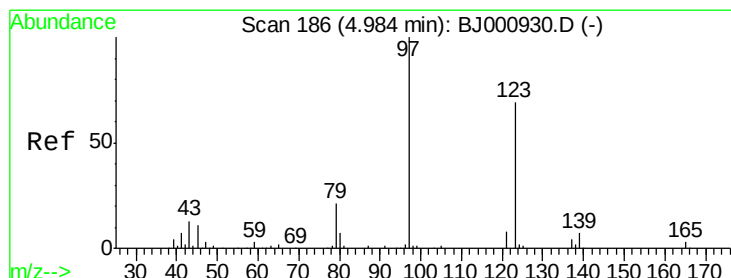
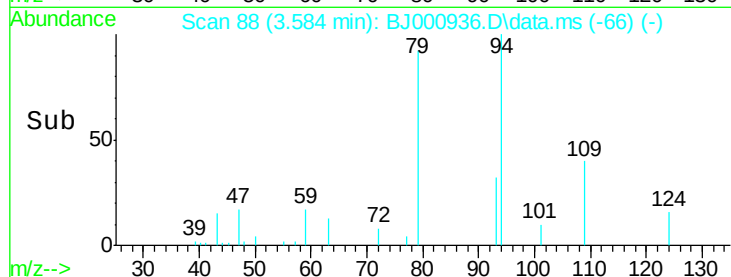
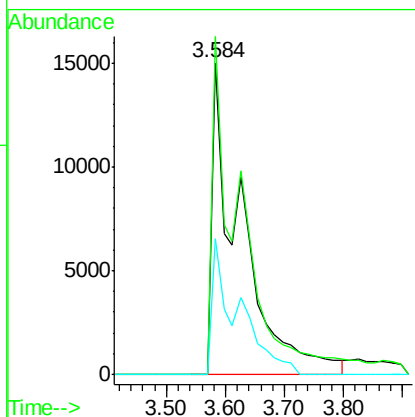
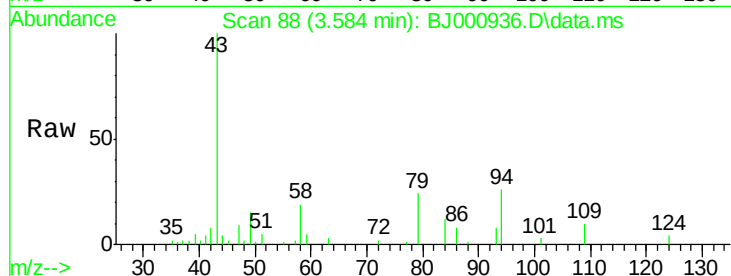


#3

DMMP

Concen: 0.53 ug/mL m  
 RT: 3.584 min Scan# 88  
 Delta R.T. 0.010 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

Tgt Ion: 79 Resp: 50867  
 Ion Ratio Lower Upper  
 79 100  
 94 108.4 87.0 127.0  
 109 43.5 24.1 64.1

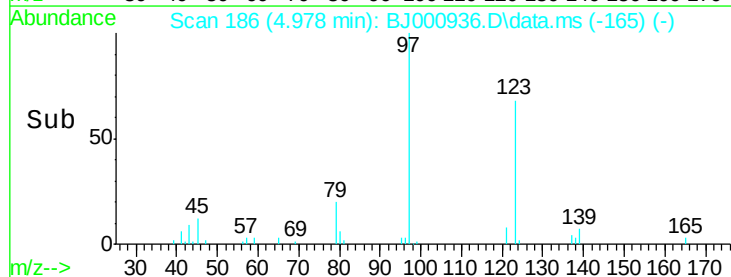
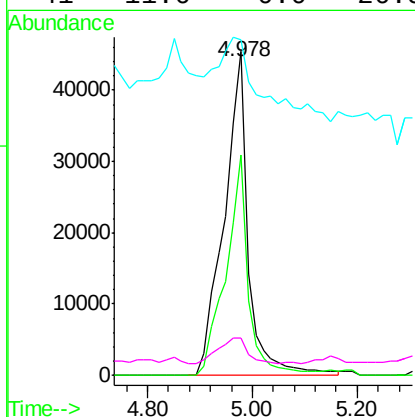
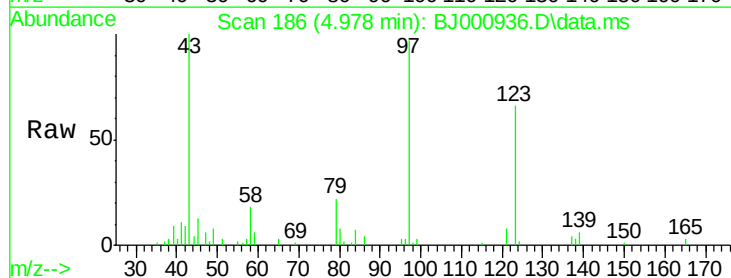


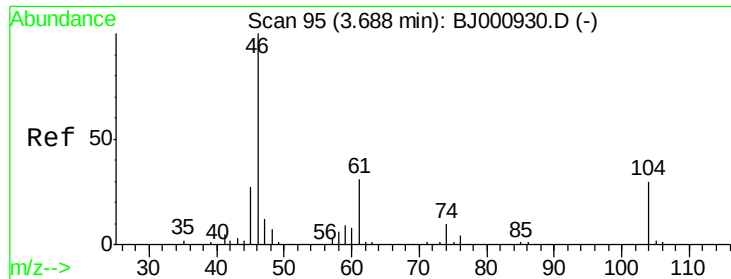
#4

DIMP

Concen: 0.62 ug/mL  
 RT: 4.978 min Scan# 186  
 Delta R.T. -0.005 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

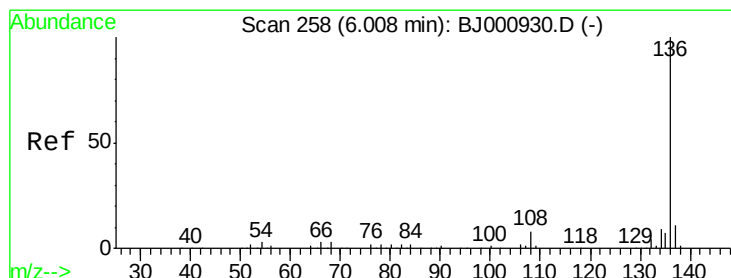
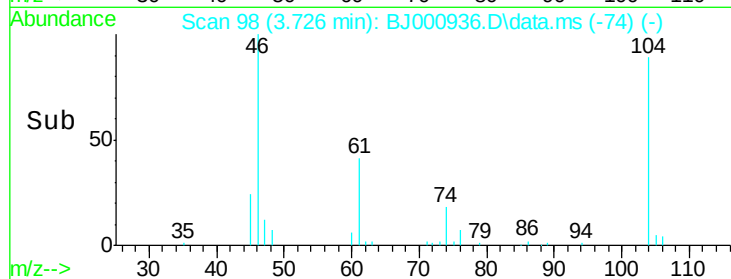
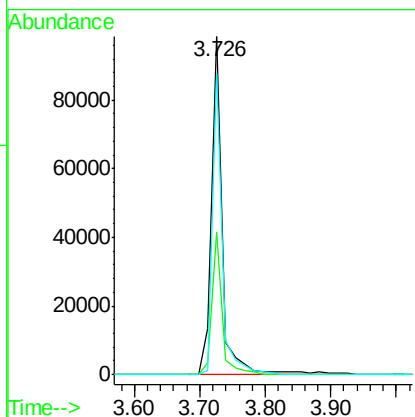
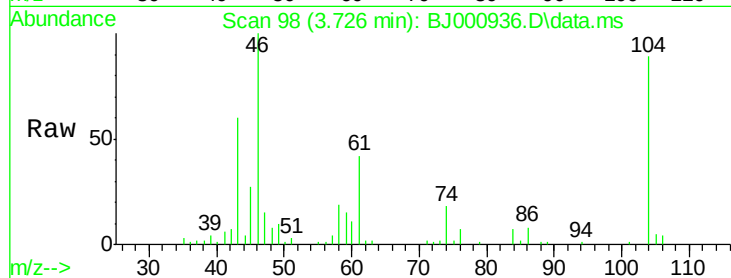
Tgt Ion: 97 Resp: 144453  
 Ion Ratio Lower Upper  
 97 100  
 123 67.7 49.1 89.1  
 43 103.3 0.0 33.2#  
 41 11.6 0.0 26.5





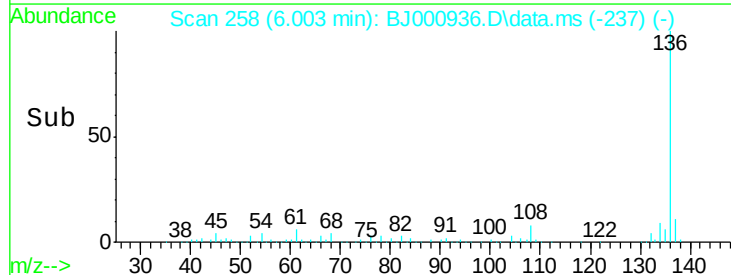
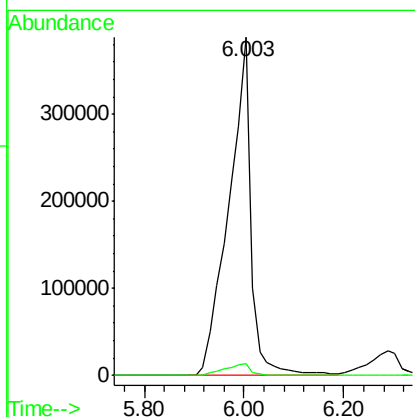
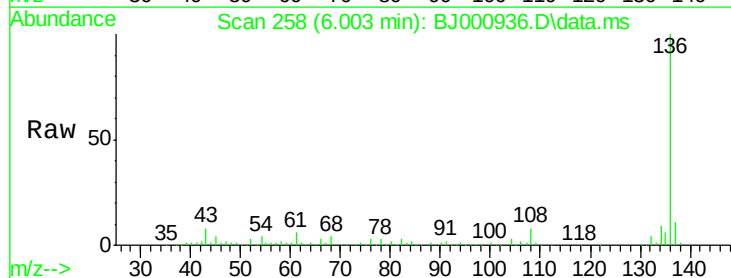
#5  
 1,4-Oxathiane  
 Concen: 1.29 ug/mL  
 RT: 3.726 min Scan# 98  
 Delta R.T. 0.038 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

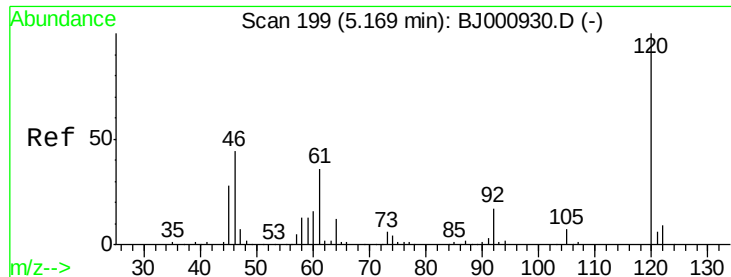
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 46    | Resp: | 116837 |
| Ion      | Ratio | Lower | Upper  |
| 46       | 100   |       |        |
| 61       | 42.0  | 11.2  | 51.2   |
| 104      | 89.0  | 10.0  | 50.0#  |



#6  
 Naphthalene-d8  
 Concen: 2.00 ug/mL  
 RT: 6.003 min Scan# 258  
 Delta R.T. -0.005 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1198470 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 68       | 3.5   | 0.0   | 22.7    |





#7

1,4-Dithiane

Concen: 1.20 ug/mL

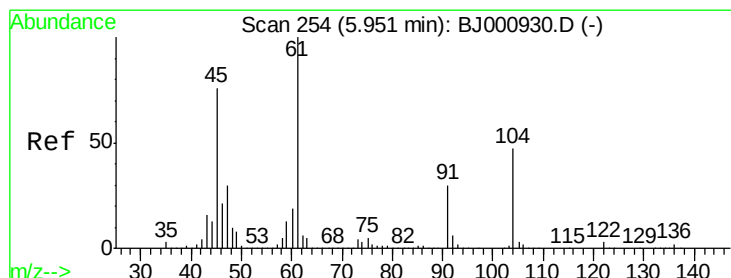
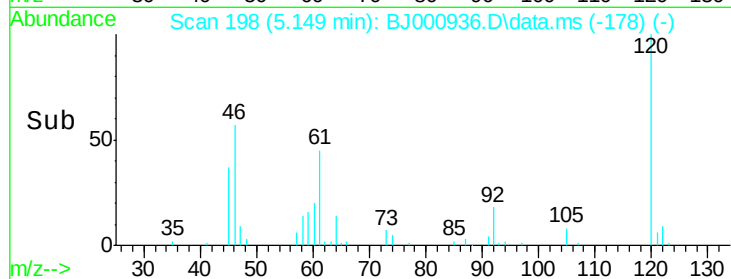
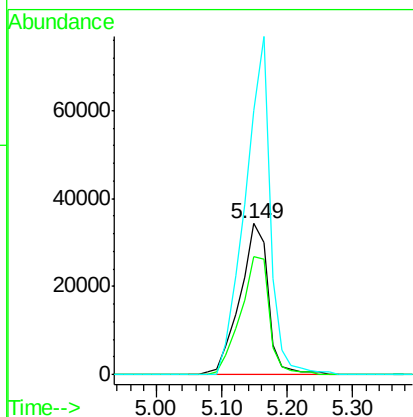
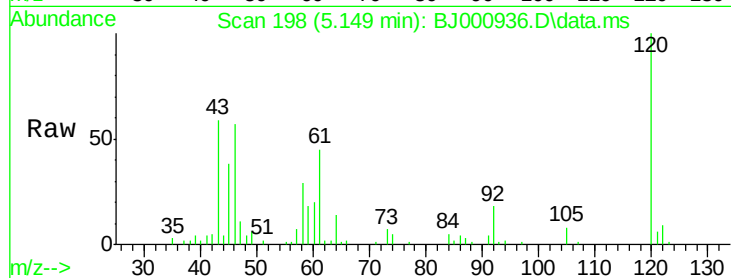
RT: 5.149 min Scan# 198

Delta R.T. -0.019 min

Lab File: BJ000936.D

Acq: 8 Jun 2012 14:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 46    | Resp: | 102481 |
| Ion      | Ratio | Lower | Upper  |
| 46       | 100   |       |        |
| 61       | 77.9  | 61.9  | 101.9  |
| 120      | 174.8 | 208.1 | 248.1# |



#8

Thiodiglycol

Concen: 11.89 ug/mL m

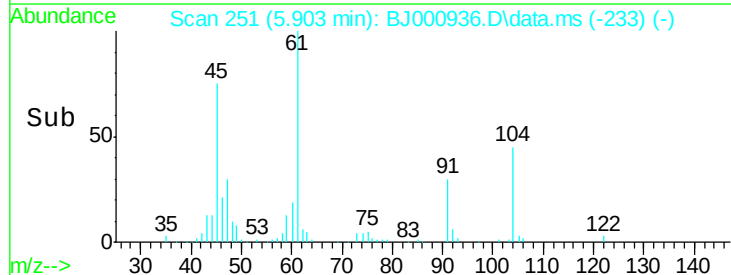
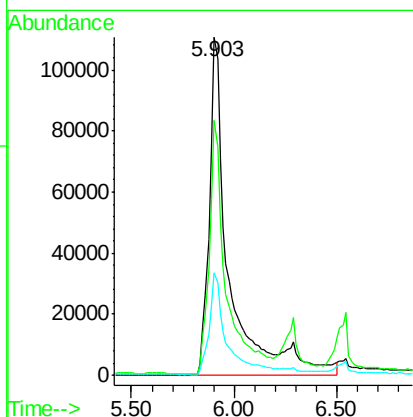
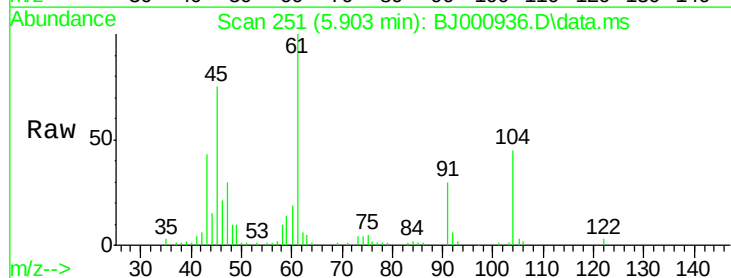
RT: 5.903 min Scan# 251

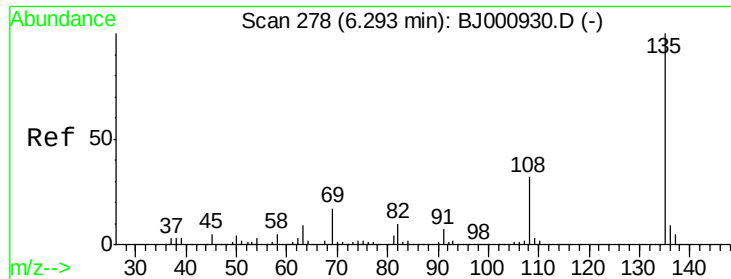
Delta R.T. -0.048 min

Lab File: BJ000936.D

Acq: 8 Jun 2012 14:56

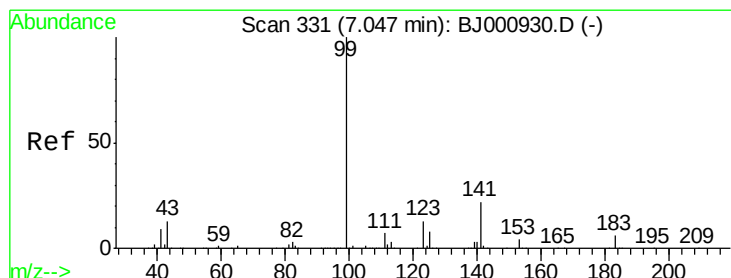
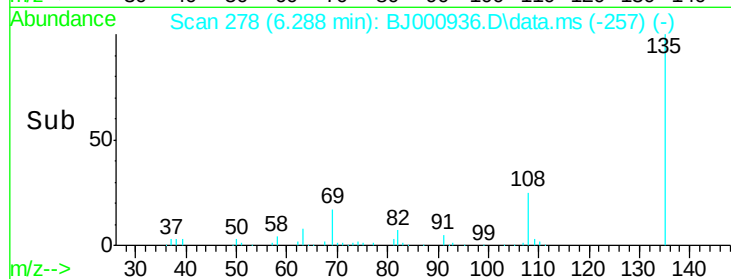
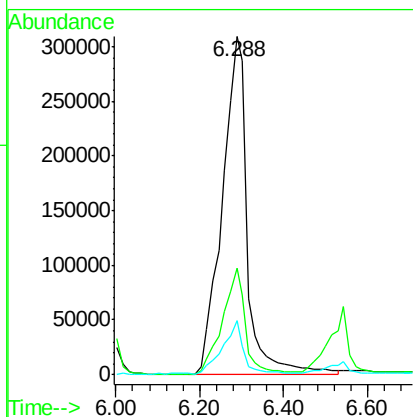
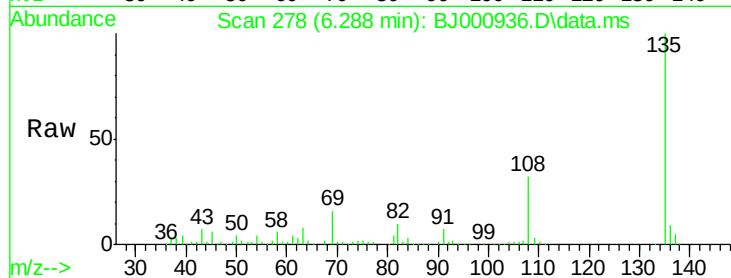
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 61    | Resp: | 746527 |
| Ion      | Ratio | Lower | Upper  |
| 61       | 100   |       |        |
| 45       | 75.5  | 56.3  | 96.3   |
| 47       | 30.2  | 10.1  | 50.1   |





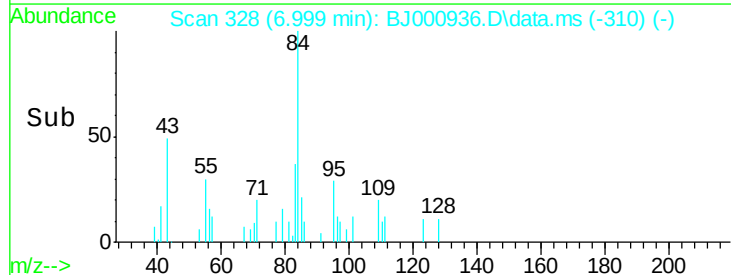
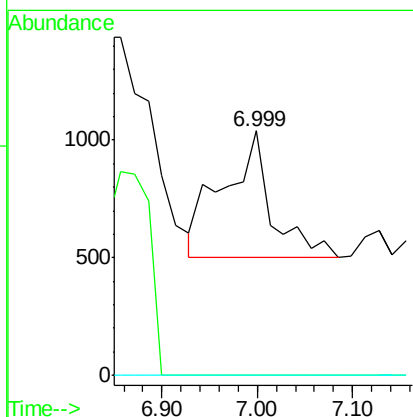
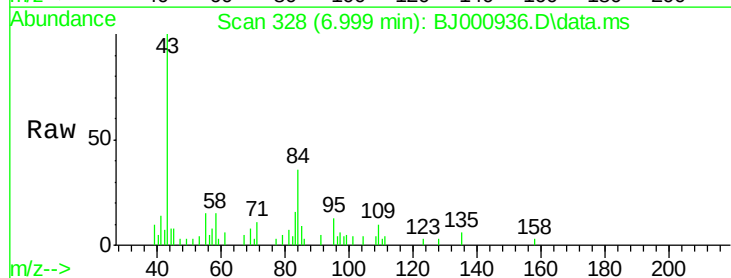
#9  
Benzothiazole  
Concen: 3.92 ug/mL  
RT: 6.288 min Scan# 278  
Delta R.T. -0.005 min  
Lab File: BJ000936.D  
Acq: 8 Jun 2012 14:56

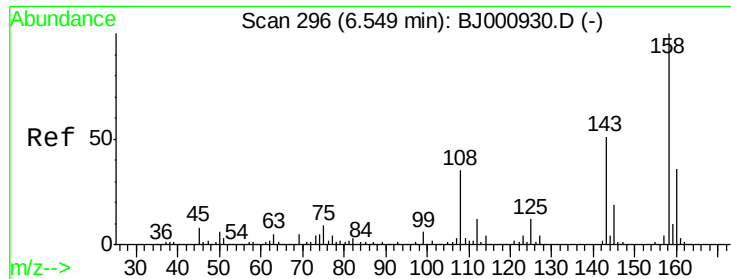
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 135     | 100   |       |       |
| 108     | 31.5  | 12.0  | 52.0  |
| 69      | 16.1  | 0.0   | 36.6  |



#10  
Tripropylphosphate  
Concen: 0.00 ug/mL  
RT: 6.999 min Scan# 328  
Delta R.T. -0.048 min  
Lab File: BJ000936.D  
Acq: 8 Jun 2012 14:56

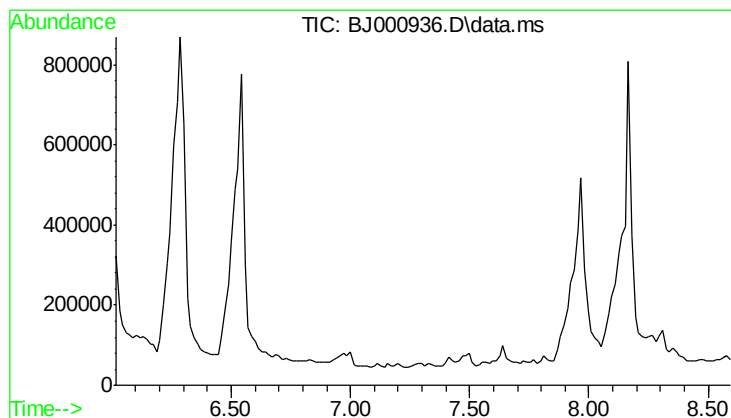
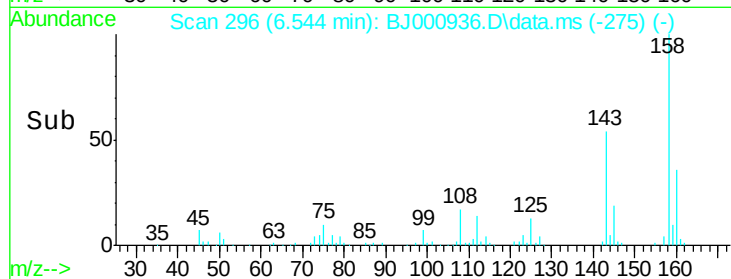
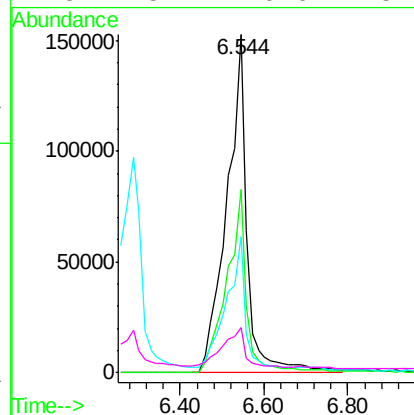
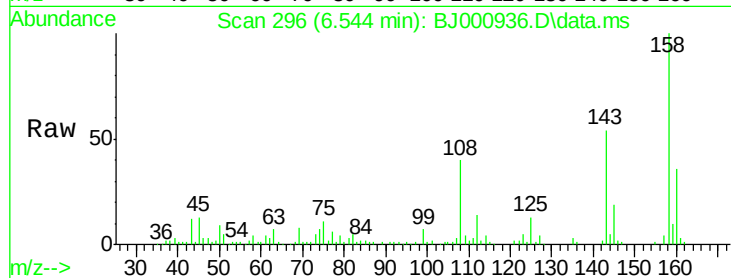
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 141     | 0.0   | 18.5  | 27.7# |
| 183     | 0.0   | 5.8   | 8.8#  |





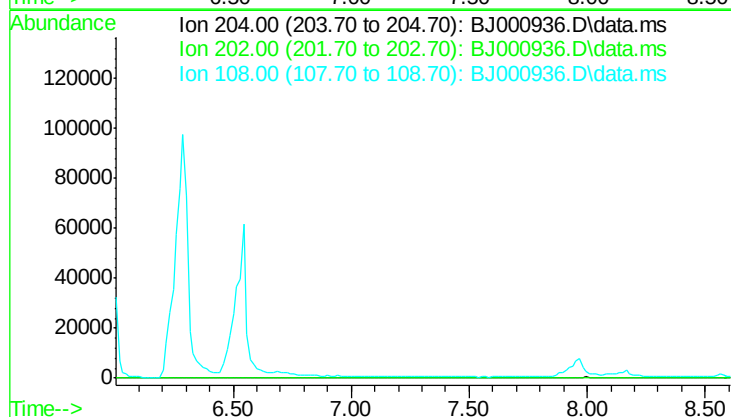
#11  
 p-Chlorophenylmethylsulfide  
 Concen: 2.50 ug/mL  
 RT: 6.544 min Scan# 296  
 Delta R.T. -0.005 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

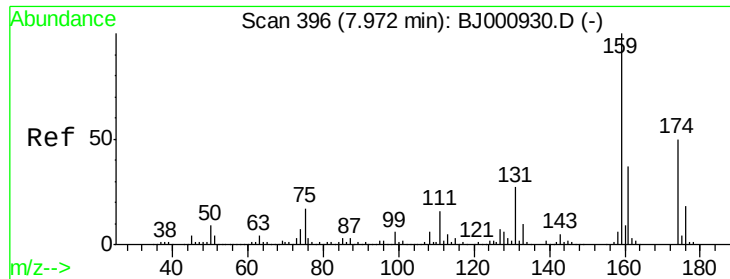
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 158   | Resp: | 516226 |
| Ion      | Ratio | Lower | Upper  |
| 158      | 100   |       |        |
| 143      | 54.2  | 31.3  | 71.3   |
| 108      | 40.3  | 14.9  | 54.9   |
| 45       | 13.4  | 0.0   | 28.5   |



#12  
 2-Bromothioanisole  
 Concen: 0.00 ug/mL  
 Expected RT: 7.30 min  
 Lab File: BJ000936.D  
 Acq: 8 Jun 2012 14:56

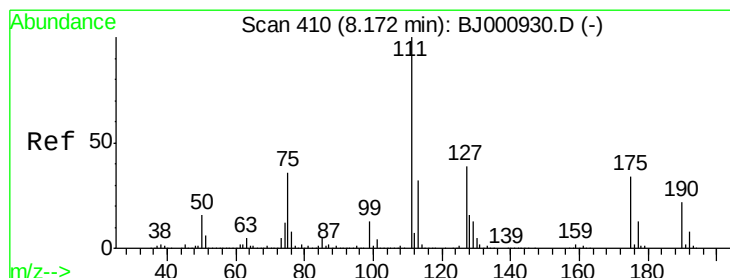
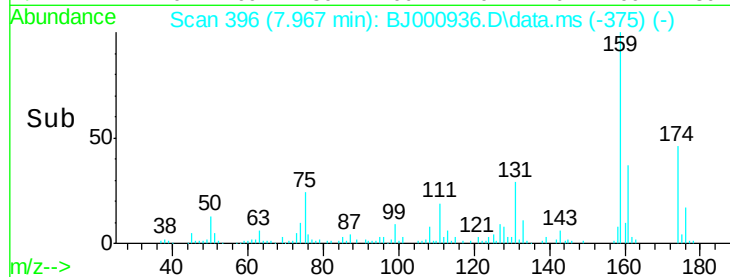
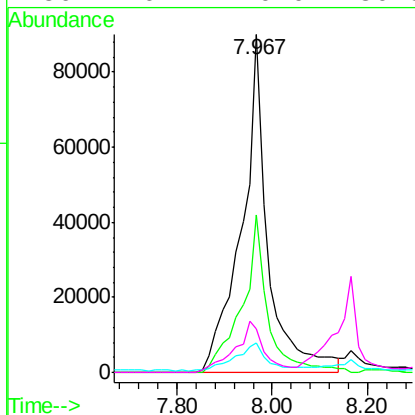
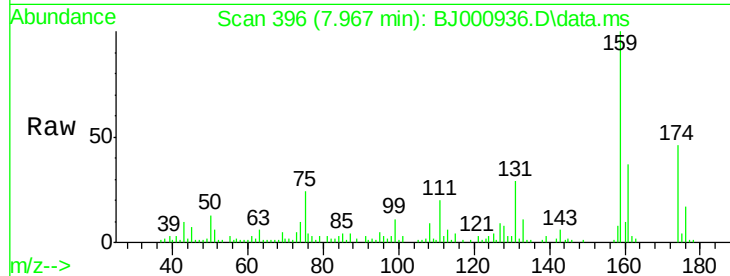
|          |           |
|----------|-----------|
| Tgt Ion: | 204       |
| Sig      | Exp Ratio |
| 204      | 100       |
| 202      | 101.4     |
| 108      | 57.1      |





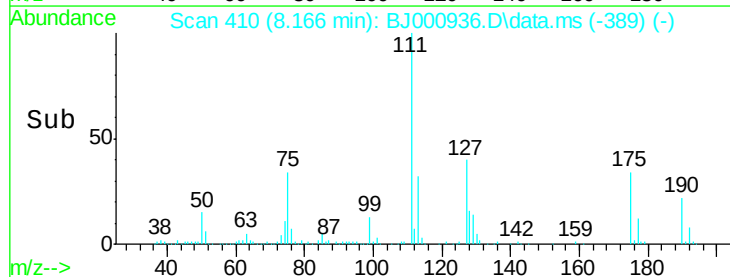
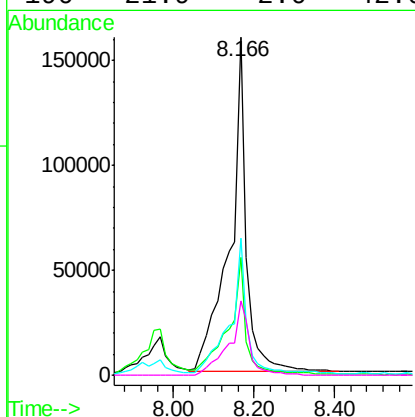
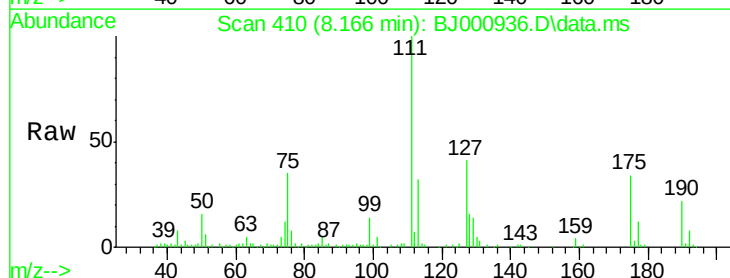
#13  
p-Chlorophenylmethylsulfoxide  
Concen: 3.10 ug/mL  
RT: 7.967 min Scan# 396  
Delta R.T. -0.005 min  
Lab File: BJ000936.D  
Acq: 8 Jun 2012 14:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 159   | Resp: | 342698 |
| Ion Ratio | Lower | Upper |        |
| 159       | 100   |       |        |
| 174       | 45.6  | 27.0  | 67.0   |
| 108       | 9.7   | 0.0   | 28.3   |
| 50        | 16.7  | 0.0   | 36.8   |



#14  
p-Chlorophenylmethylsulfone  
Concen: 2.57 ug/mL  
RT: 8.166 min Scan# 410  
Delta R.T. -0.005 min  
Lab File: BJ000936.D  
Acq: 8 Jun 2012 14:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 111   | Resp: | 448170 |
| Ion Ratio | Lower | Upper |        |
| 111       | 100   |       |        |
| 75        | 35.1  | 16.5  | 56.5   |
| 127       | 40.6  | 19.3  | 59.3   |
| 190       | 21.9  | 2.0   | 42.0   |





Data Path : Z:\HPCHEM1\BNA\_J\data\BJ060812\  
 Data File : BJ000936.D  
 Acq On : 8 Jun 2012 14:56  
 Operator : HLM  
 Sample : CWA-ICV  
 Misc : BNA\_J HLM  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 07:46:18 2012  
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M  
 Quant Title : CWA degradation products by GCMS  
 QLast Update : Fri Jun 08 15:54:08 2012  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|--------|----------|
| -----                         |                |      |          |       |        |          |
| Internal Standards            |                |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 4.708          | 152  | 271022   | 2.00  | ug/mL  | 0.00     |
| 6) Naphthalene-d8             | 6.003          | 136  | 1198470  | 2.00  | ug/mL  | 0.00     |
| System Monitoring Compounds   |                |      |          |       |        |          |
| 10) Tripropylphosphate        | 6.999          | 99   | 1883     | 0.00  | ug/mL  | -0.05    |
| Spiked Amount 0.500           | Range 70 - 130 |      | Recovery | =     | 0.00%# |          |
| 12) 2-Bromothioanisole        | 0.000          | 204  | 0        | 0.00  | ug/mL  |          |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery | =     | 0.00%# |          |
| Target Compounds              |                |      |          |       |        |          |
|                               |                |      |          |       |        | Qvalue   |
| 2) Dimethyl Disulfide         | 2.772          | 94   | 168817   | 1.83  | ug/mL  | 76       |
| 3) DMMP                       | 3.584          | 79   | 50867m   | 0.53  | ug/mL  |          |
| 4) DIMP                       | 4.978          | 97   | 144453   | 0.62  | ug/mL# | 64       |
| 5) 1,4-Oxathiane              | 3.726          | 46   | 116837   | 1.29  | ug/mL# | 37       |
| 7) 1,4-Dithiane               | 5.149          | 46   | 102481   | 1.20  | ug/mL# | 75       |
| 8) Thiodiglycol               | 5.903          | 61   | 746527m  | 11.89 | ug/mL  |          |
| 9) Benzothiazole              | 6.288          | 135  | 1291037  | 3.92  | ug/mL  | 99       |
| 11) p-Chlorophenylmethyisu... | 6.544          | 158  | 516226   | 2.50  | ug/mL  | 93       |
| 13) p-Chlorophenylmethyisu... | 7.967          | 159  | 342698   | 3.10  | ug/mL  | 98       |
| 14) p-Chlorophenylmethyisu... | 8.166          | 111  | 448170   | 2.57  | ug/mL  | 98       |
| -----                         |                |      |          |       |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed