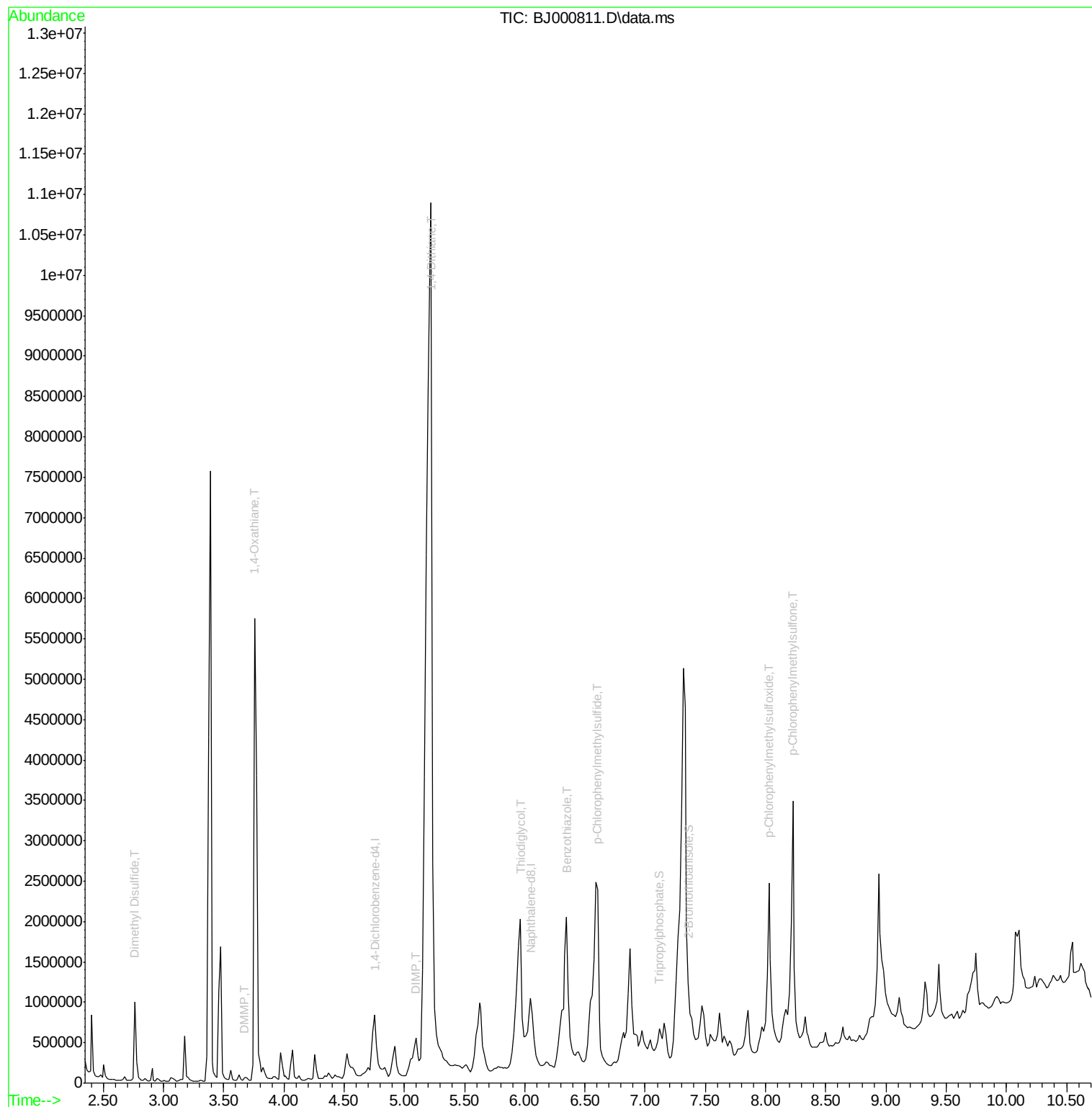
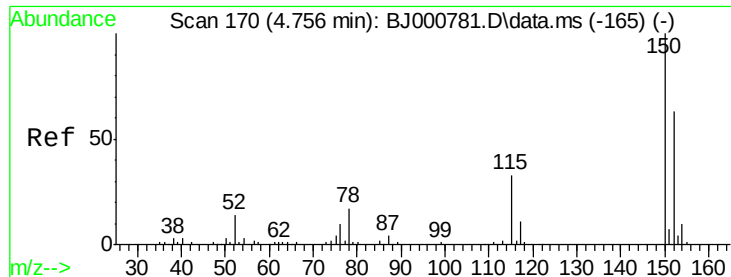


Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000811.D
Acq On : 26 Apr 2012 23:51
Operator : HLM
Sample : D2330-11MSD
Misc : WATER BNA_J HLM
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_J
ClientSampleId :
OFD-OF54-042012MSD

Quant Time: May 03 01:35:31 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Apr 27 11:32:02 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.754 min Scan# 17

Delta R.T. -0.011 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

Instrument :

BNA_J

ClientSampleId :

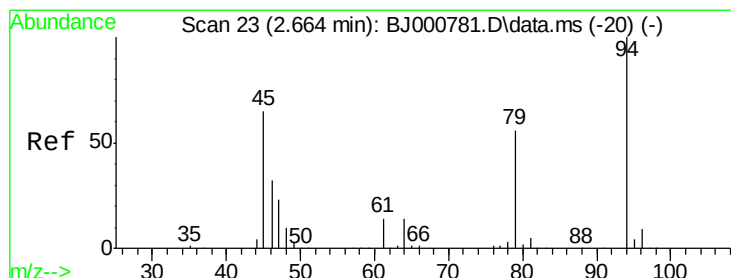
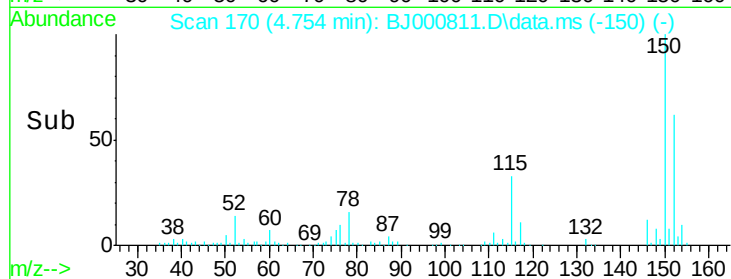
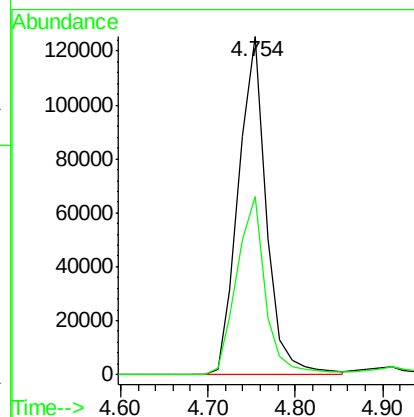
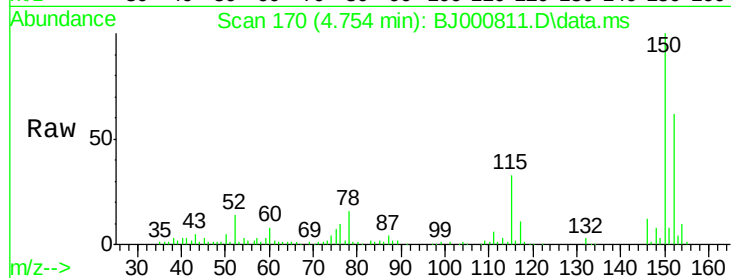
OFD-OF54-042012MSD

Tgt Ion:152 Resp: 276076

Ion Ratio Lower Upper

152 100

115 52.7 24.2 64.2



#2

Dimethyl Disulfide

Concen: 2.97 ug/mL

RT: 2.761 min Scan# 30

Delta R.T. 0.089 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

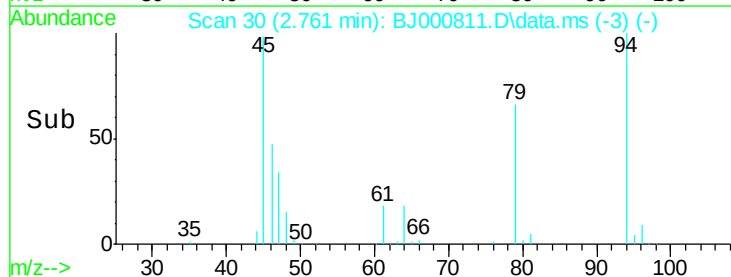
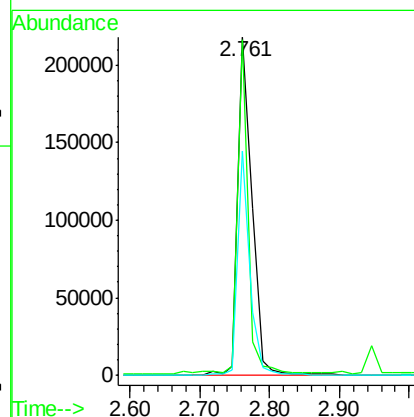
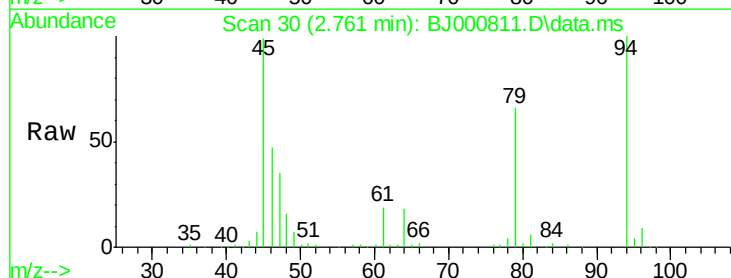
Tgt Ion: 94 Resp: 301916

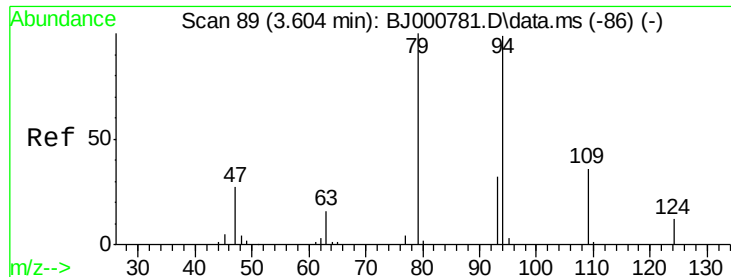
Ion Ratio Lower Upper

94 100

45 99.3 42.7 82.7#

79 66.4 35.3 75.3





#3

DMMP

Concen: 0.26 ug/mL

RT: 3.672 min Scan# 94

Delta R.T. 0.061 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

Instrument :

BNA_J

ClientSampleId :

OFD-OF54-042012MSD

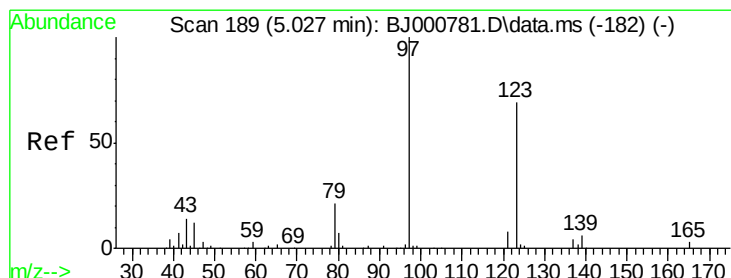
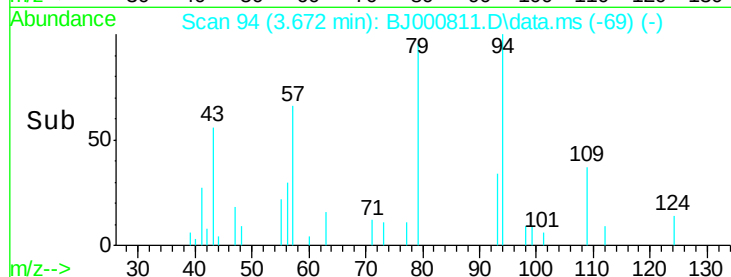
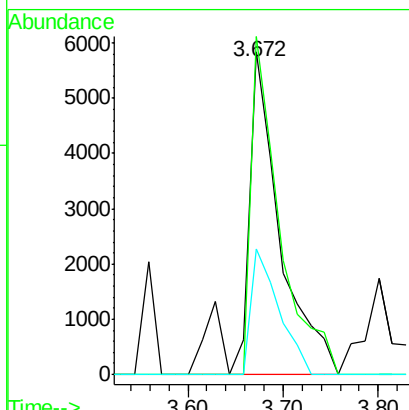
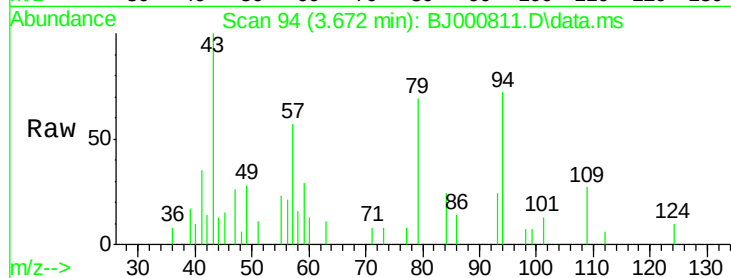
Tgt Ion: 79 Resp: 14498

Ion Ratio Lower Upper

79 100

94 104.6 85.9 125.9

109 39.0 20.8 60.8



#4

DIMP

Concen: 2.07 ug/mL

RT: 5.095 min Scan# 194

Delta R.T. 0.075 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

Tgt Ion: 97 Resp: 502779

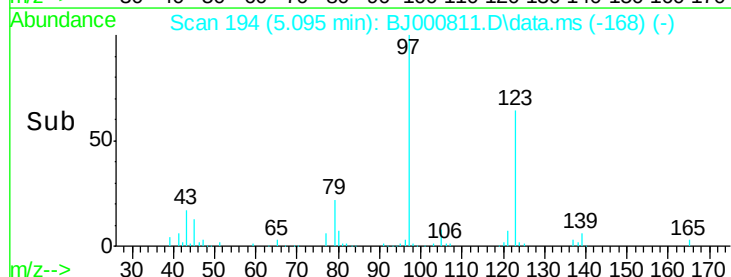
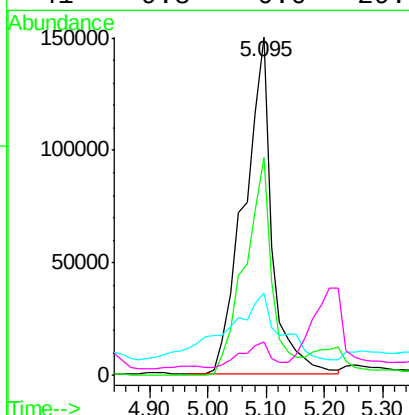
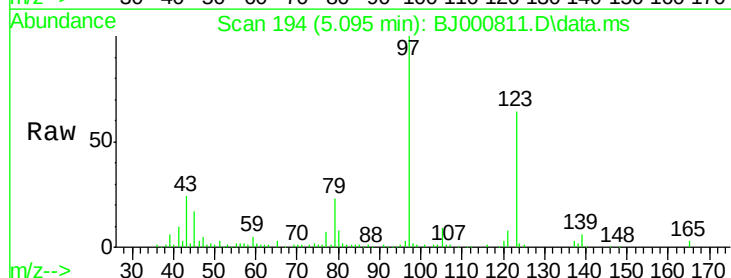
Ion Ratio Lower Upper

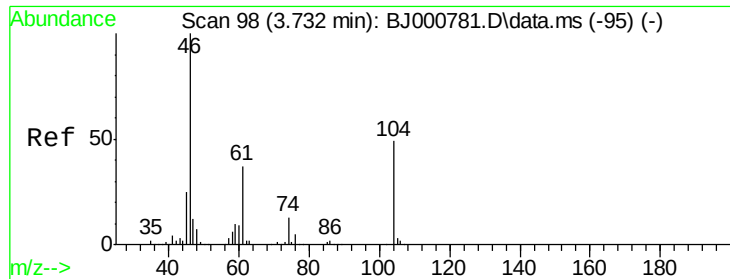
97 100

123 64.3 38.9 78.9

43 24.4 0.0 38.8

41 9.8 0.0 29.0

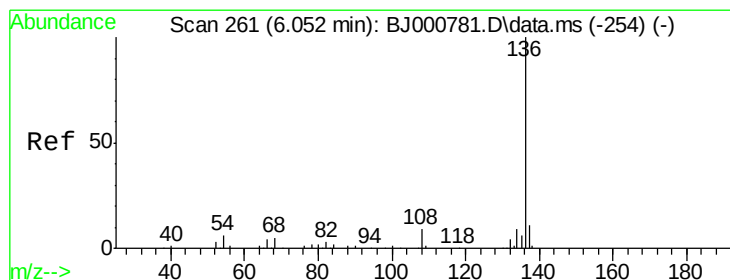
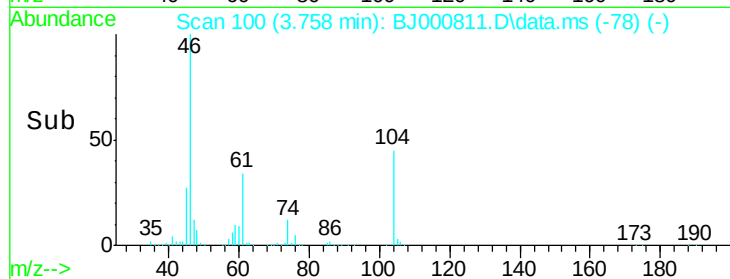
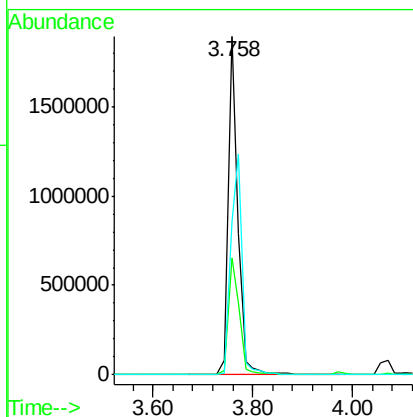
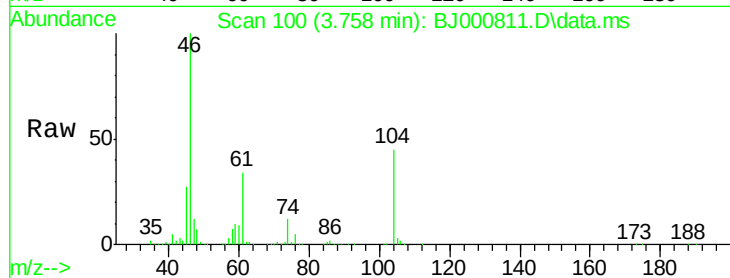




#5
 1,4-Oxathiane
 Concen: 25.79 ug/mL
 RT: 3.758 min Scan# 10
 Delta R.T. 0.018 min
 Lab File: BJ000811.D
 Acq: 26 Apr 2012 23:51

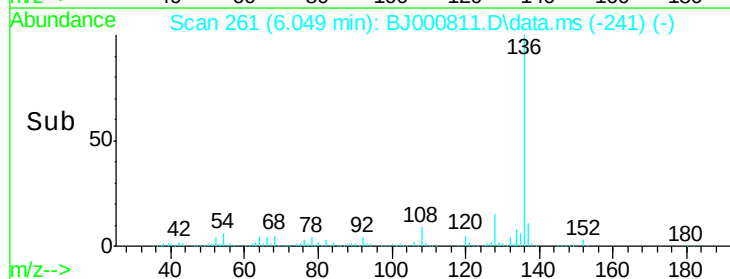
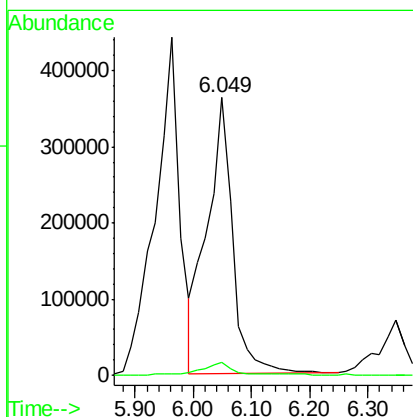
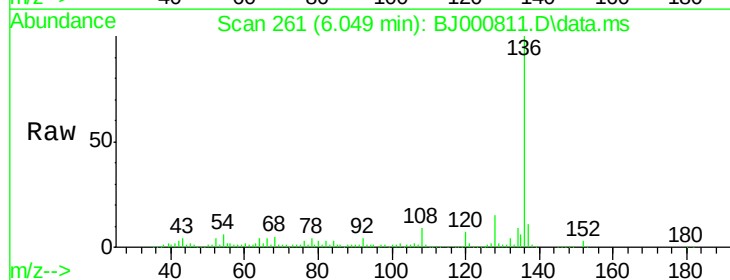
Instrument :
 BNA_J
 ClientSampleId :
 OFD-OF54-042012MSD

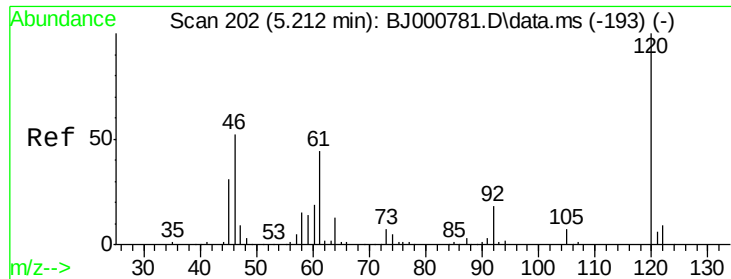
Tgt Ion: 46 Resp: 2525064
 Ion Ratio Lower Upper
 46 100
 61 34.5 23.6 63.6
 104 45.1 76.3 116.3#



#6
 Naphthalene-d8
 Concen: 2.00 ug/mL
 RT: 6.049 min Scan# 261
 Delta R.T. -0.011 min
 Lab File: BJ000811.D
 Acq: 26 Apr 2012 23:51

Tgt Ion: 136 Resp: 1112809
 Ion Ratio Lower Upper
 136 100
 68 4.9 0.0 23.3





#7

1,4-Dithiane

Concen: 76.87 ug/mL

RT: 5.224 min Scan# 20

Delta R.T. 0.018 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

Instrument :

BNA_J

ClientSampleId :

OFD-OF54-042012MSD

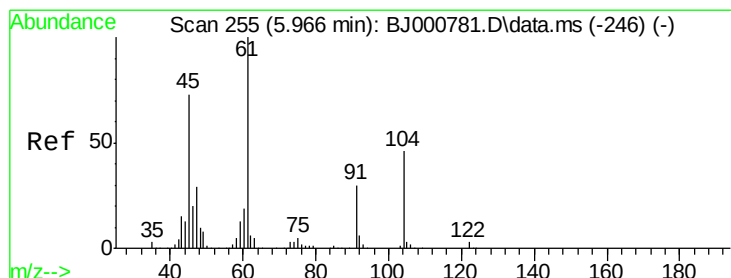
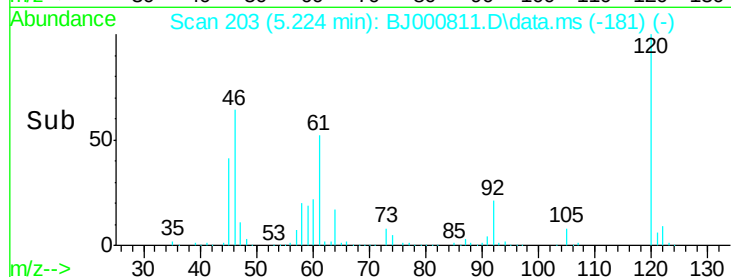
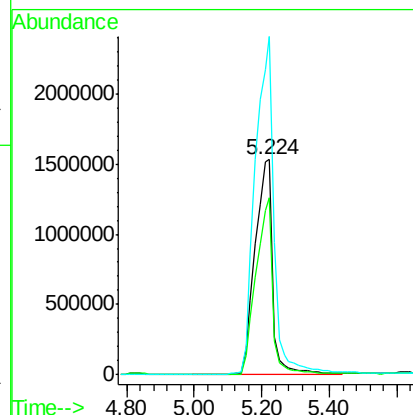
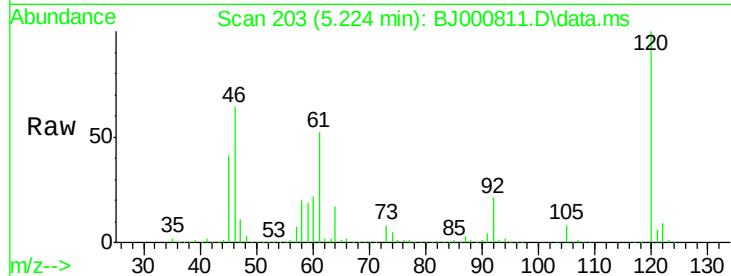
Tgt Ion: 46 Resp: 5649873

Ion Ratio Lower Upper

46 100

61 82.2 60.3 100.3

120 157.3 146.0 186.0



#8

Thiodiglycol

Concen: 4.89 ug/mL

RT: 5.964 min Scan# 255

Delta R.T. -0.011 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

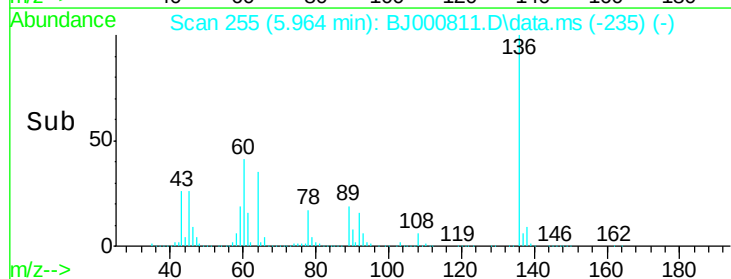
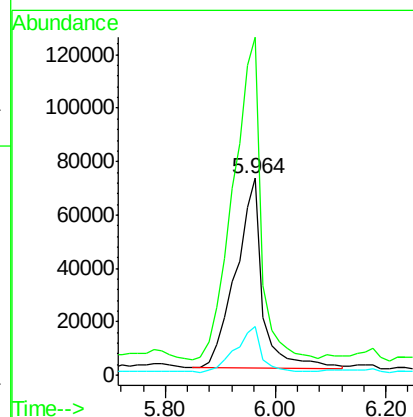
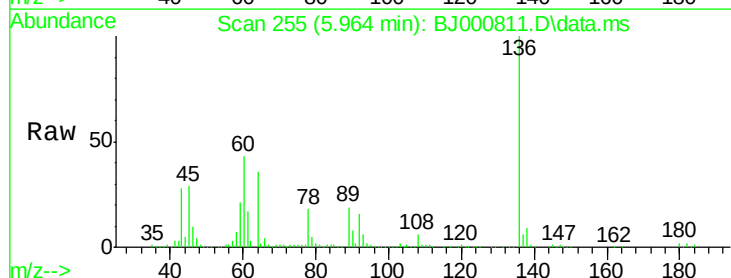
Tgt Ion: 61 Resp: 244335

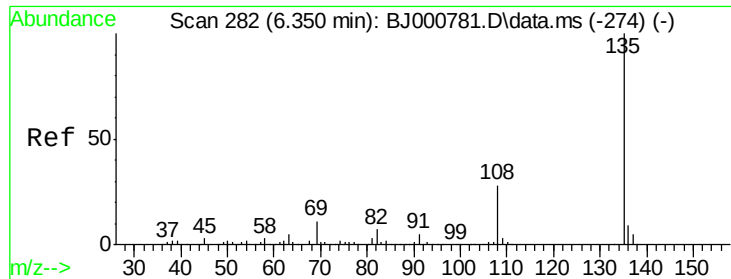
Ion Ratio Lower Upper

61 100

45 171.5 50.6 90.6#

47 24.6 8.3 48.3





#9

Benzothiazole

Concen: 9.88 ug/mL

RT: 6.348 min Scan# 28

Delta R.T. 0.004 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

Instrument :

BNA_J

ClientSampleId :

OFD-OF54-042012MSD

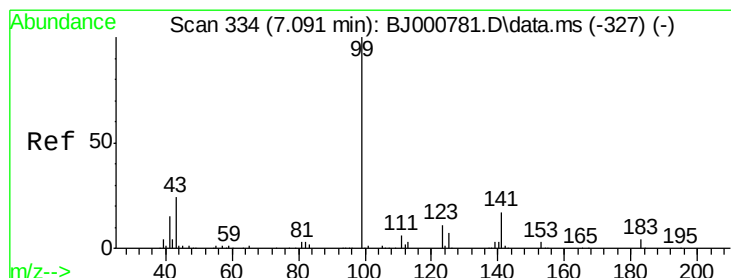
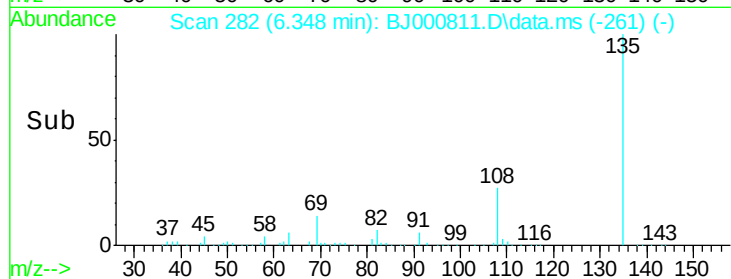
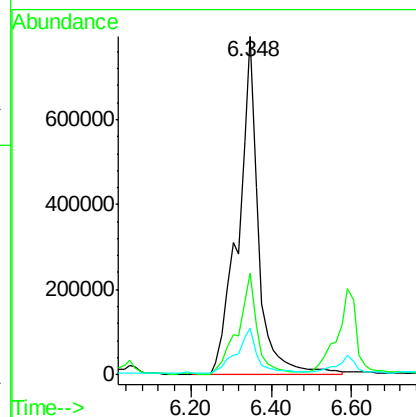
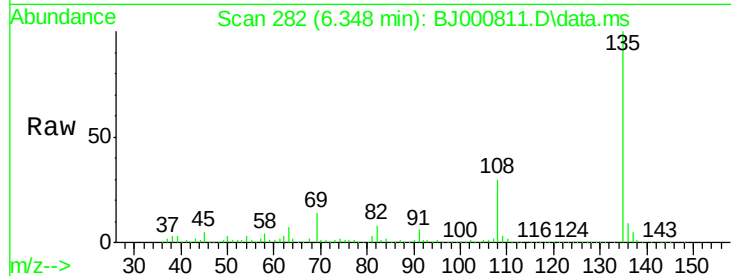
Tgt Ion:135 Resp: 2735806

Ion Ratio Lower Upper

135 100

108 29.8 11.1 51.1

69 13.7 0.0 34.6



#10

Tripropylphosphate

Concen: 0.56 ug/mL

RT: 7.116 min Scan# 336

Delta R.T. 0.018 min

Lab File: BJ000811.D

Acq: 26 Apr 2012 23:51

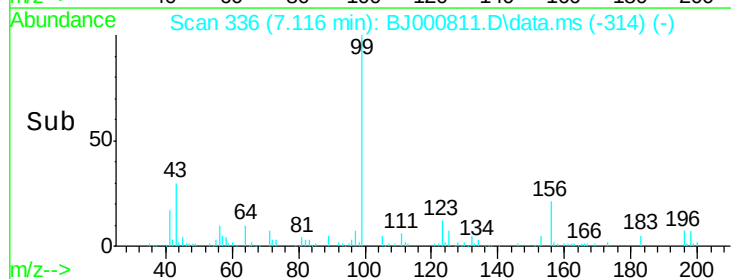
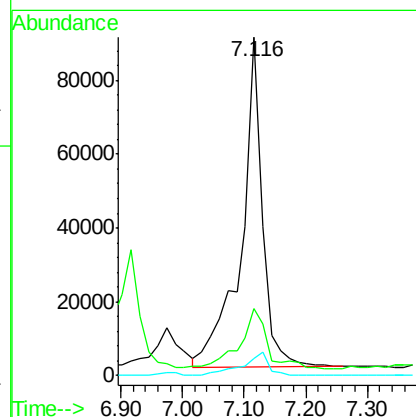
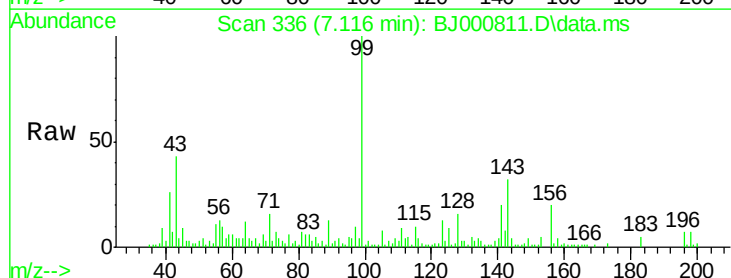
Tgt Ion: 99 Resp: 213182

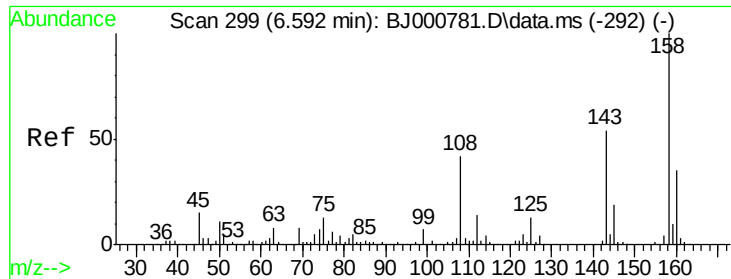
Ion Ratio Lower Upper

99 100

141 24.1 18.7 28.1

183 8.2 6.1 9.1

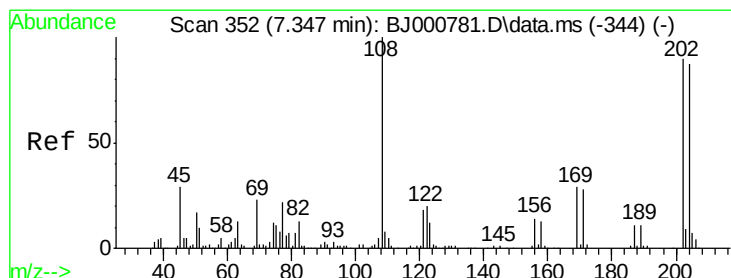
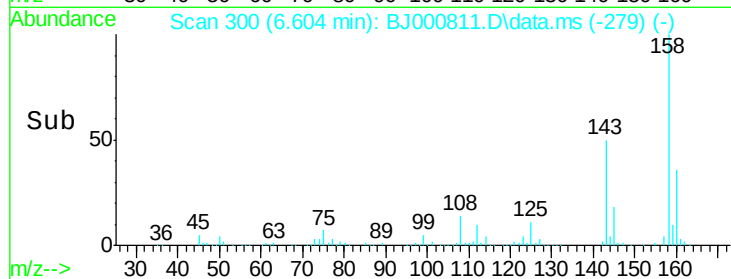
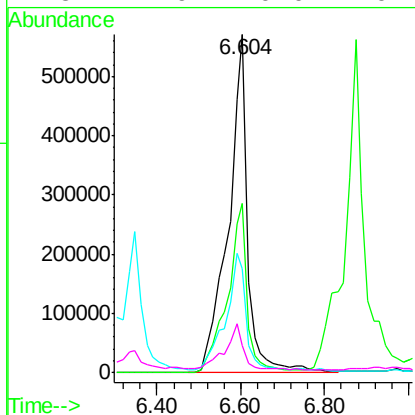
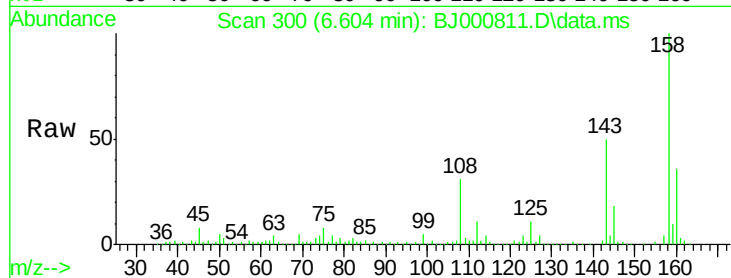




#11
 p-Chlorophenylmethylsulfide
 Concen: 9.52 ug/mL
 RT: 6.604 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: BJ000811.D
 Acq: 26 Apr 2012 23:51

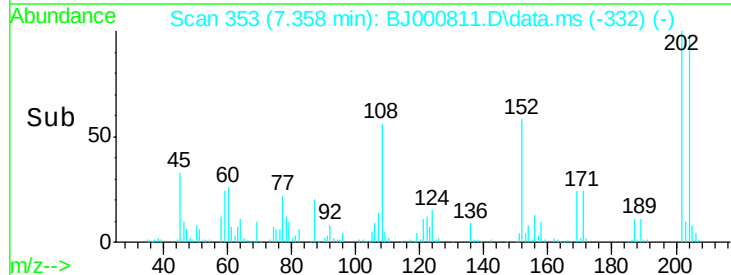
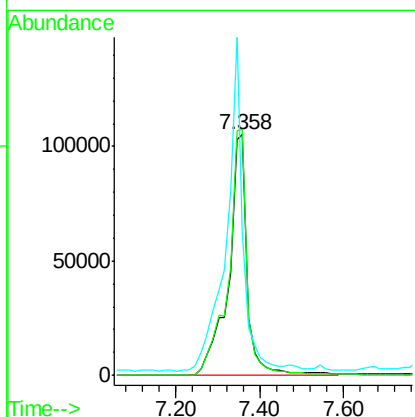
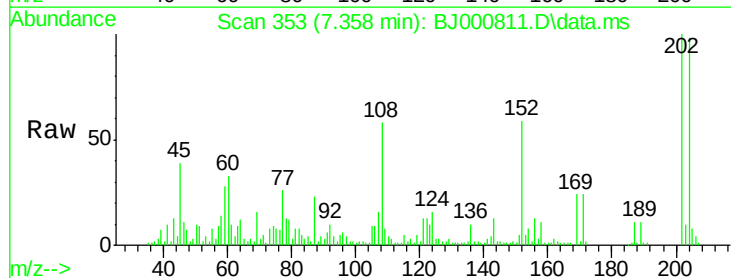
Instrument :
 BNA_J
 ClientSampleId :
 OFD-OF54-042012MSD

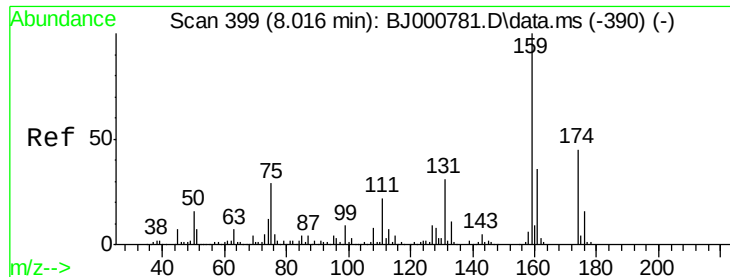
Tgt Ion:	158	Resp:	1825287
Ion	Ratio	Lower	Upper
158	100		
143	50.1	30.8	70.8
108	30.8	14.1	54.1
45	7.9	0.0	29.1



#12
 2-Bromothioanisole
 Concen: 4.55 ug/mL
 RT: 7.358 min Scan# 353
 Delta R.T. 0.004 min
 Lab File: BJ000811.D
 Acq: 26 Apr 2012 23:51

Tgt Ion:	204	Resp:	332014
Ion	Ratio	Lower	Upper
204	100		
202	102.4	82.8	122.8
108	59.7	49.2	89.2

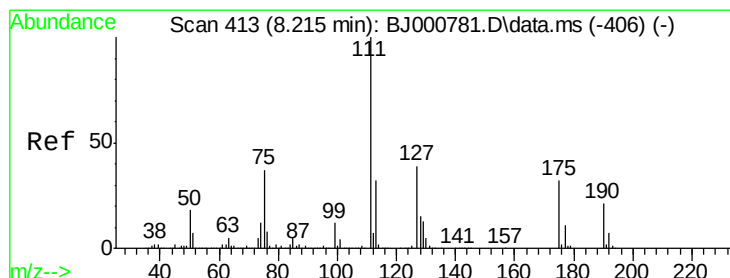
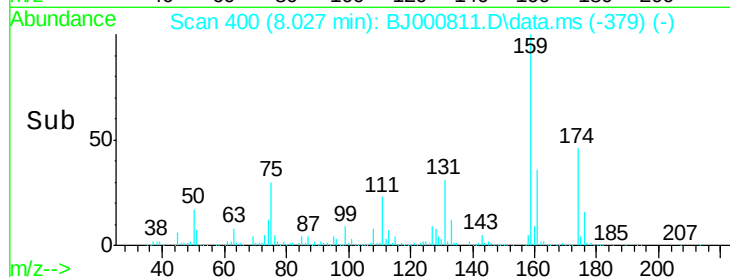
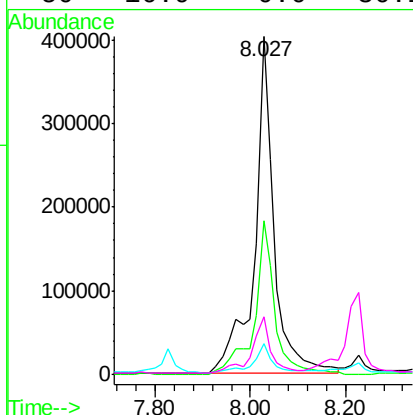
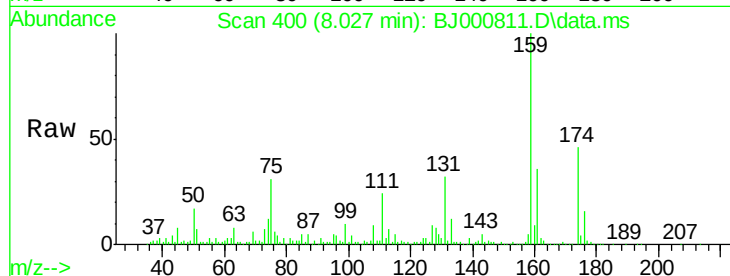




#13
p-Chlorophenylmethylsulfoxide
Concen: 10.75 ug/mL
RT: 8.027 min Scan# 40
Delta R.T. 0.004 min
Lab File: BJ000811.D
Acq: 26 Apr 2012 23:51

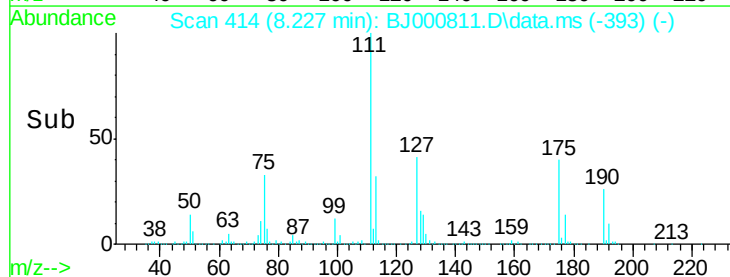
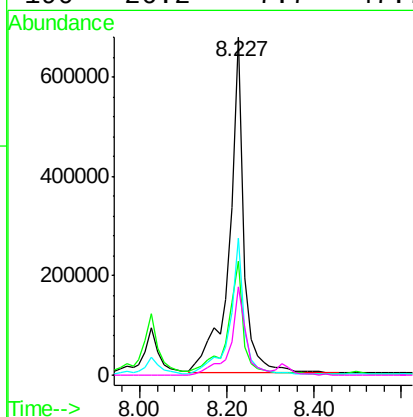
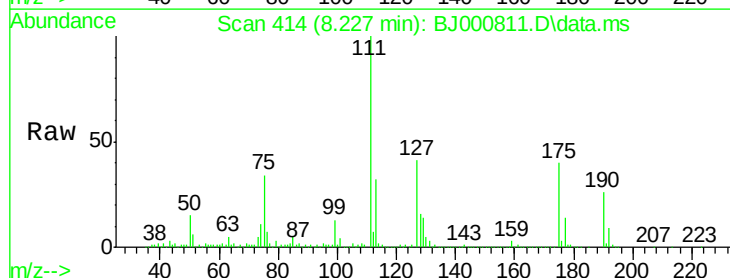
Instrument :
BNA_J
ClientSampleId :
OFD-OF54-042012MSD

Tgt Ion:	159	Resp:	1148807
Ion Ratio	Lower	Upper	
159	100		
174	48.0	28.6	68.6
108	8.4	0.0	28.2
50	16.9	0.0	36.1



#14
p-Chlorophenylmethylsulfone
Concen: 9.65 ug/mL
RT: 8.227 min Scan# 414
Delta R.T. 0.004 min
Lab File: BJ000811.D
Acq: 26 Apr 2012 23:51

Tgt Ion:	111	Resp:	1520386
Ion Ratio	Lower	Upper	
111	100		
75	33.8	12.8	52.8
127	40.6	21.9	61.9
190	26.2	7.7	47.7



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000811.D
 Acq On : 26 Apr 2012 23:51
 Operator : HLM
 Sample : D2330-11MSD
 Misc : WATER BNA_J HLM
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 OFD-OF54-042012MSD

Quant Time: May 03 01:35:31 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Apr 27 11:32:02 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.754	152	276076	2.00	ug/mL	-0.01
6) Naphthalene-d8	6.049	136	1112809	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.116	99	213182	0.56	ug/mL	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery	=	112.00%	
12) 2-Bromothioanisole	7.358	204	332014	4.55	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	91.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.761	94	301916	2.97	ug/mL#	68
3) DMMP	3.672	79	14498	0.26	ug/mL	98
4) DIMP	5.095	97	502779	2.07	ug/mL	92
5) 1,4-Oxathiane	3.758	46	2525064	25.79	ug/mL#	60
7) 1,4-Dithiane	5.224	46	5649873	76.87	ug/mL	95
8) Thiodiglycol	5.964	61	244335	4.89	ug/mL#	11
9) Benzothiazole	6.348	135	2735806	9.88	ug/mL	98
11) p-Chlorophenylmethyisu...	6.604	158	1825287	9.52	ug/mL	97
13) p-Chlorophenylmethyisu...	8.027	159	1148807	10.75	ug/mL	99
14) p-Chlorophenylmethyisu...	8.227	111	1520386	9.65	ug/mL	98

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