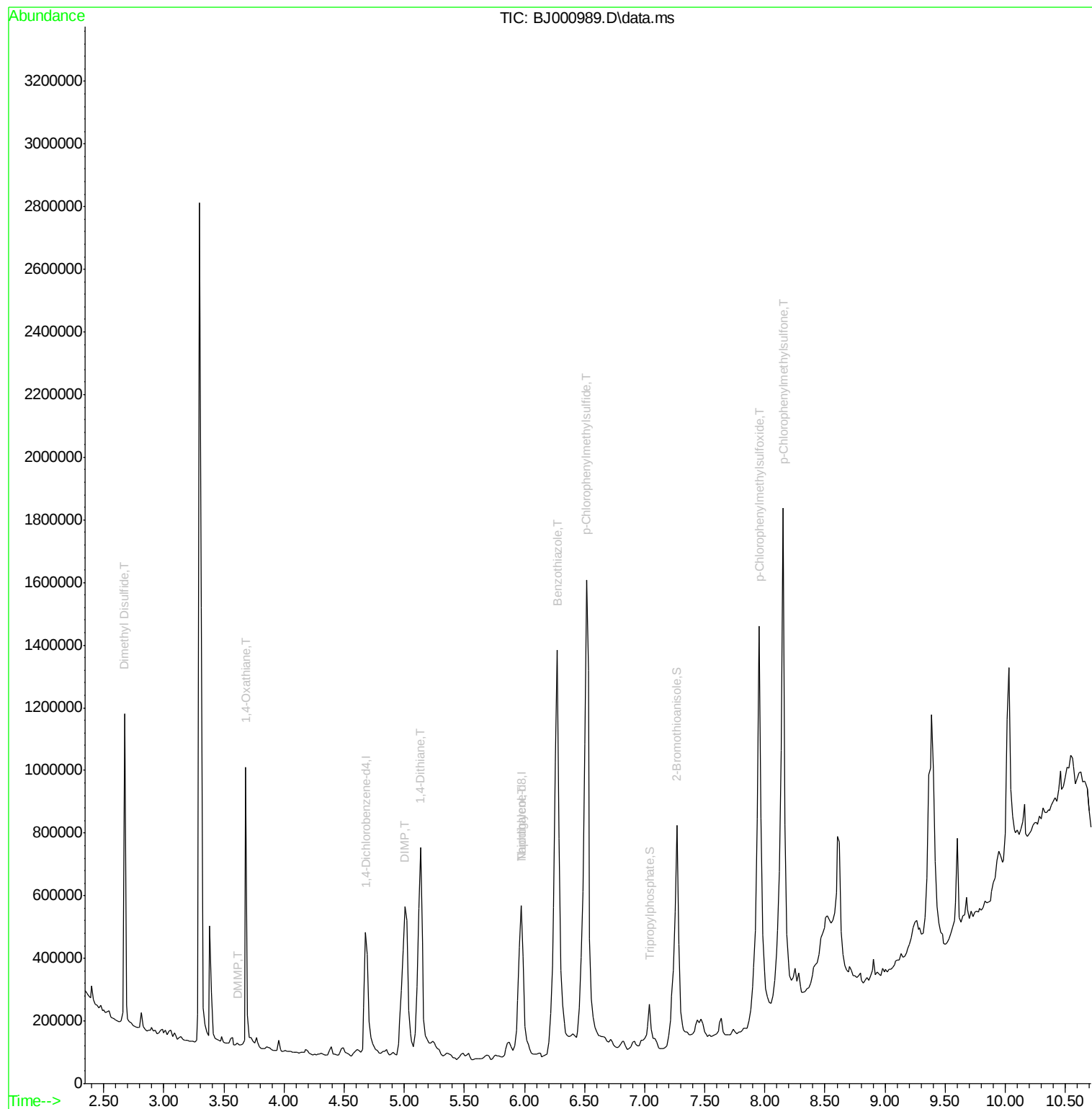
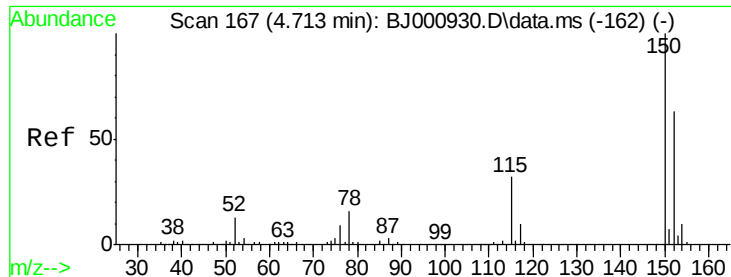


Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
Data File : BJ000989.D
Acq On : 27 Jun 2012 23:17
Operator : HLM
Sample : D3156-09MSD
Misc : WATER BNA_J HLM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_J
ClientSampleId :
OF-45BMSD

Quant Time: Jul 02 07:23:59 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Thu Jun 28 10:45:59 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.679 min Scan# 16

Delta R.T. -0.005 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

Instrument :

BNA_J

ClientSampleId :

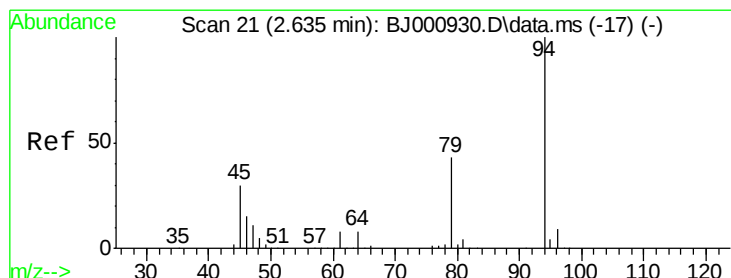
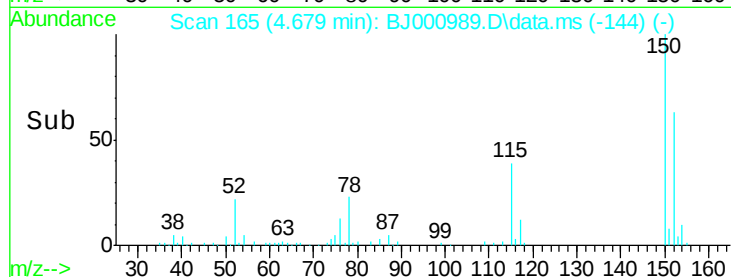
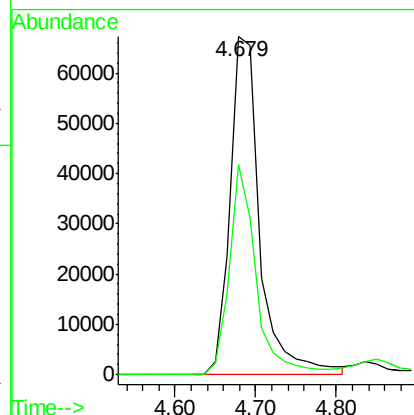
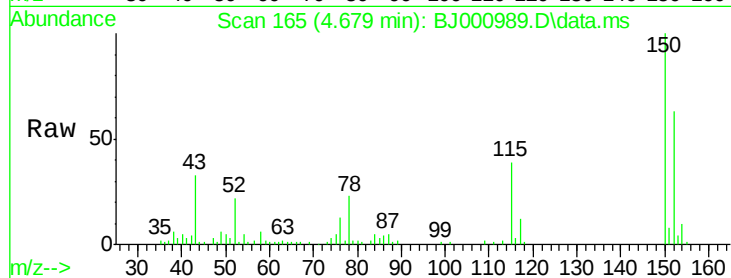
OF-45BMSD

Tgt Ion:152 Resp: 172106

Ion Ratio Lower Upper

152 100

115 62.0 29.6 69.6



#2

Dimethyl Disulfide

Concen: 5.03 ug/mL

RT: 2.672 min Scan# 24

Delta R.T. 0.109 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

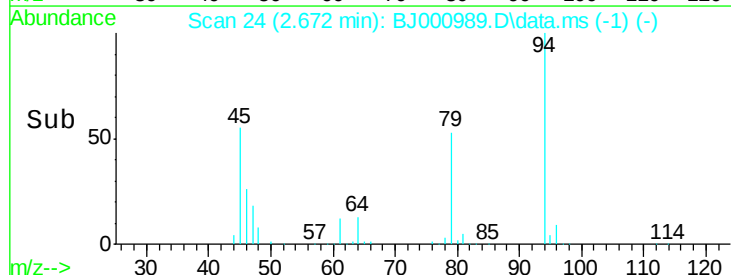
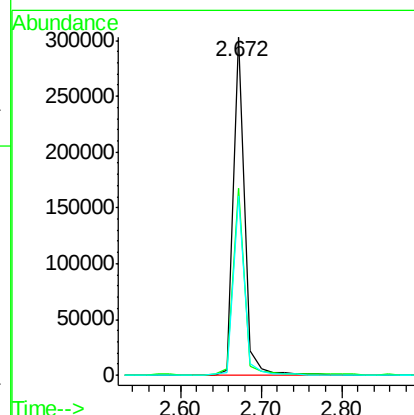
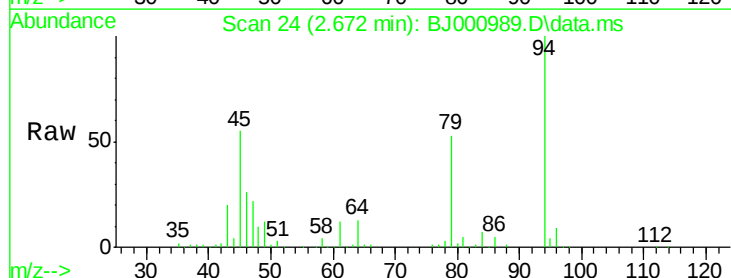
Tgt Ion: 94 Resp: 294156

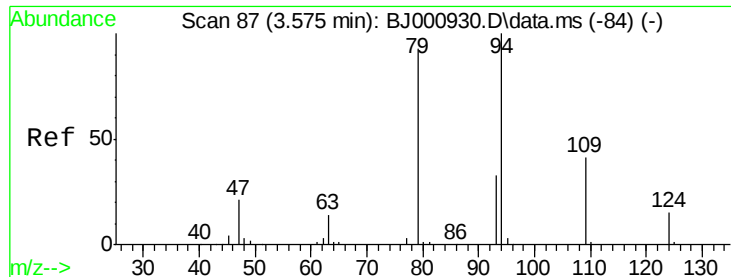
Ion Ratio Lower Upper

94 100

45 55.4 55.3 95.3

79 53.2 37.3 77.3

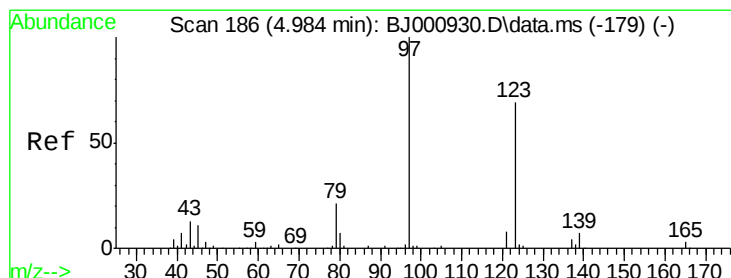
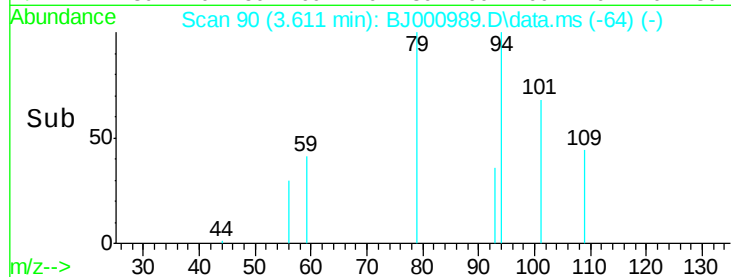
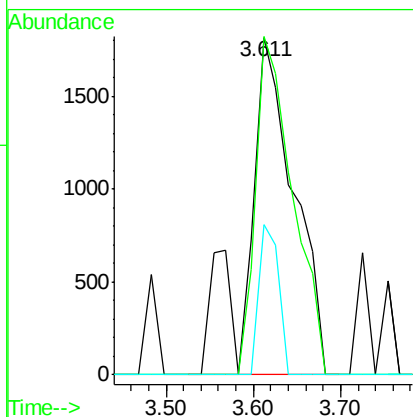
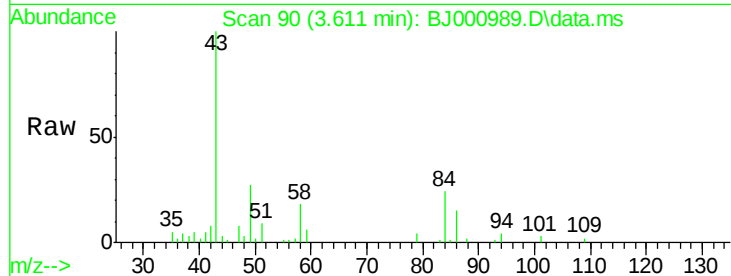




#3
DMMP
Concen: 0.14 ug/mL
RT: 3.611 min Scan# 90
Delta R.T. 0.066 min
Lab File: BJ000989.D
Acq: 27 Jun 2012 23:17

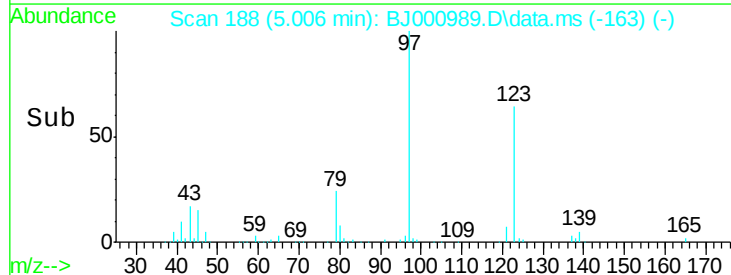
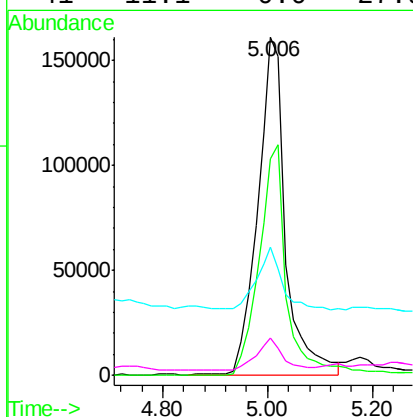
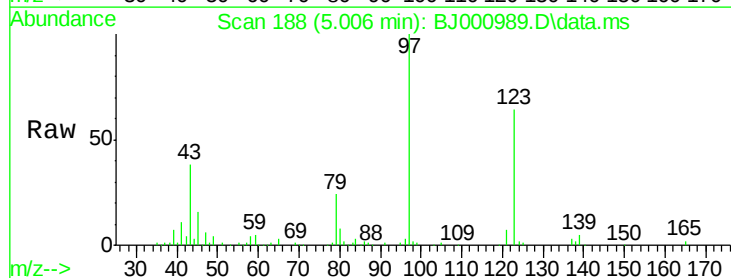
Instrument :
BNA_J
ClientSampleId :
OF-45BMSD

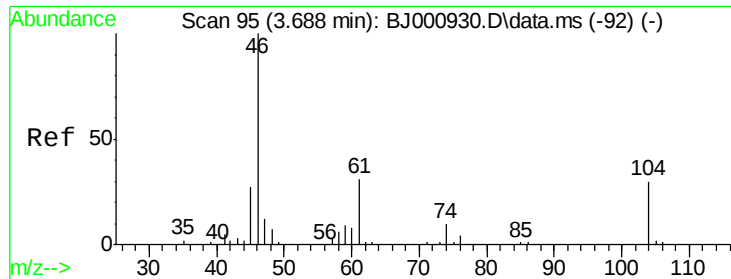
Tgt Ion: 79 Resp: 6836
Ion Ratio Lower Upper
79 100
94 100.4 84.5 124.5
109 44.7 23.4 63.4



#4
DIMP
Concen: 4.06 ug/mL
RT: 5.006 min Scan# 188
Delta R.T. 0.052 min
Lab File: BJ000989.D
Acq: 27 Jun 2012 23:17

Tgt Ion: 97 Resp: 597762
Ion Ratio Lower Upper
97 100
123 64.0 45.3 85.3
43 38.1 0.0 35.5#
41 11.1 0.0 27.9

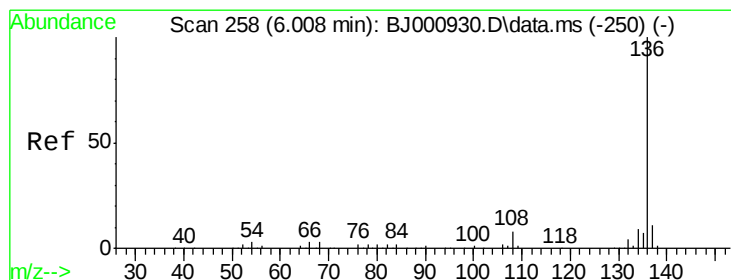
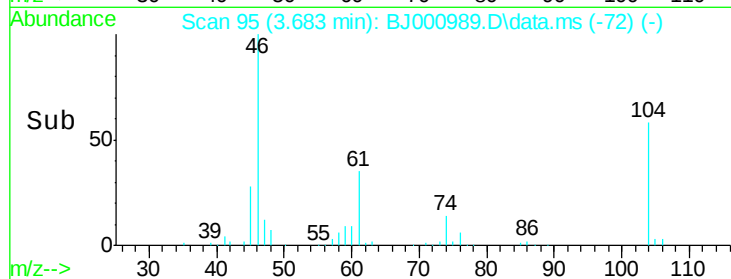
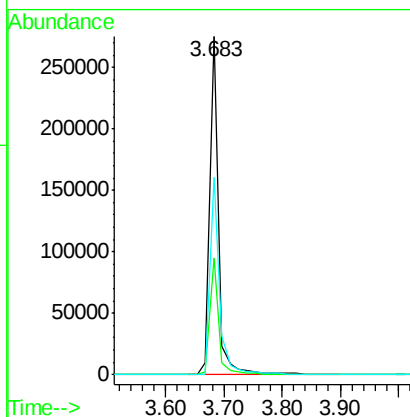
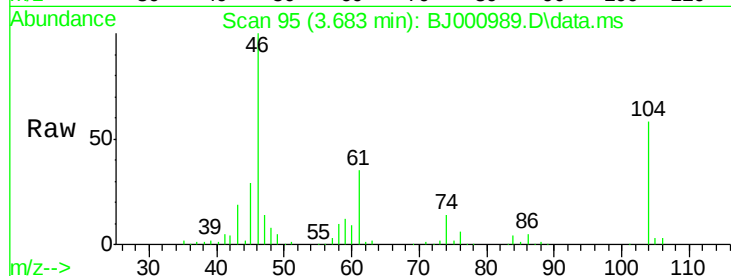




#5
 1,4-Oxathiane
 Concen: 4.94 ug/mL
 RT: 3.683 min Scan# 95
 Delta R.T. 0.023 min
 Lab File: BJ000989.D
 Acq: 27 Jun 2012 23:17

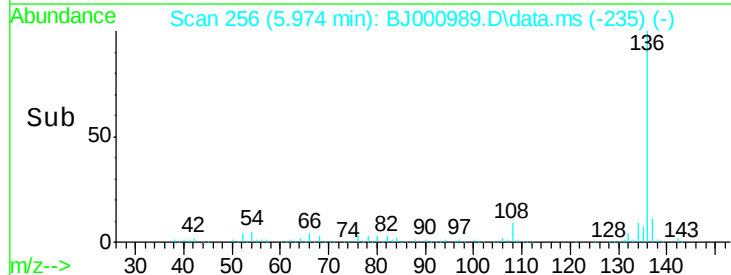
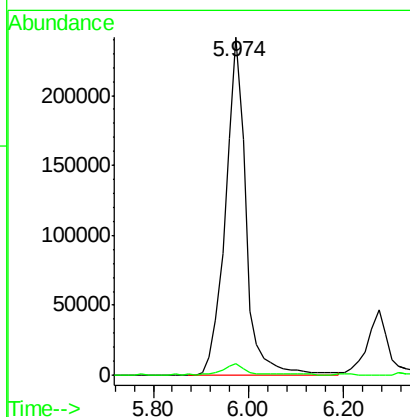
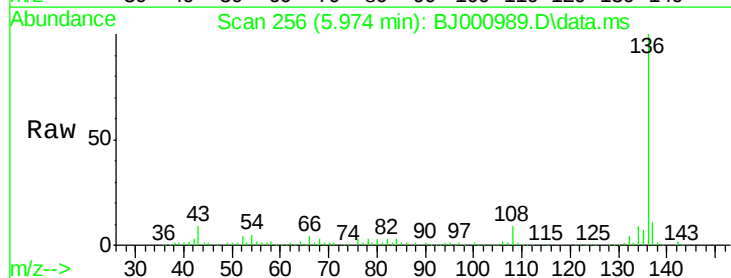
Instrument :
 BNA_J
 ClientSampleId :
 OF-45BMSD

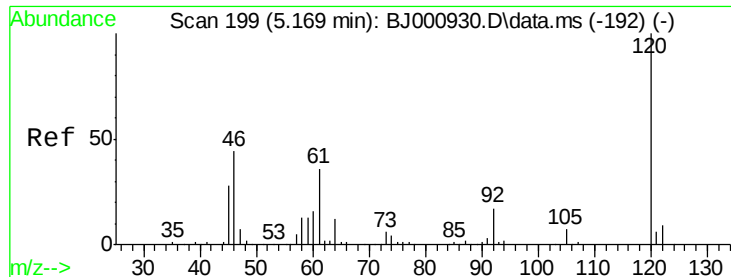
Tgt Ion: 46 Resp: 283910
 Ion Ratio Lower Upper
 46 100
 61 34.7 15.3 55.3
 104 58.3 38.4 78.4



#6
 Naphthalene-d8
 Concen: 2.00 ug/mL
 RT: 5.974 min Scan# 256
 Delta R.T. -0.005 min
 Lab File: BJ000989.D
 Acq: 27 Jun 2012 23:17

Tgt Ion: 136 Resp: 719280
 Ion Ratio Lower Upper
 136 100
 68 3.5 0.0 22.3





#7

1,4-Dithiane

Concen: 4.43 ug/mL

RT: 5.134 min Scan# 19

Delta R.T. 0.009 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

Instrument :

BNA_J

ClientSampleId :

OF-45BMSD

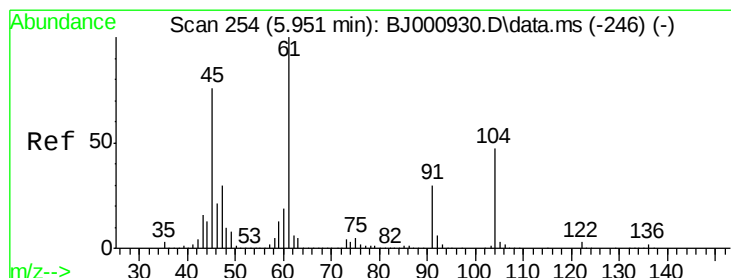
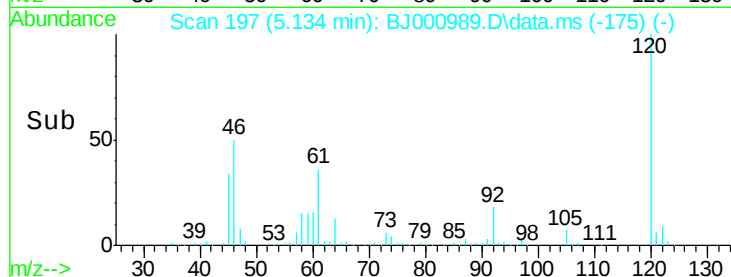
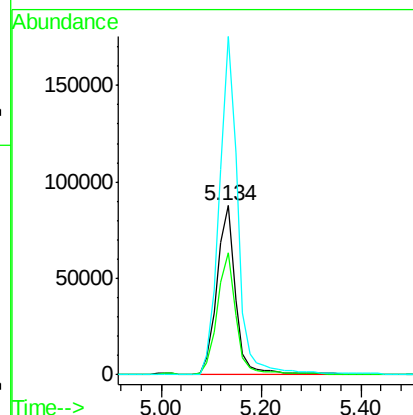
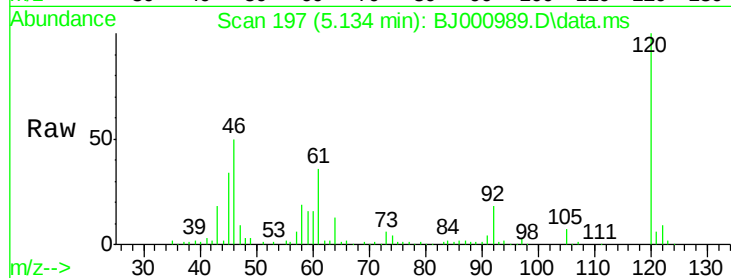
Tgt Ion: 46 Resp: 226930

Ion Ratio Lower Upper

46 100

61 72.4 50.6 90.6

120 200.3 131.1 171.1#



#8

Thiodiglycol

Concen: 1.57 ug/mL

RT: 5.974 min Scan# 256

Delta R.T. 0.037 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

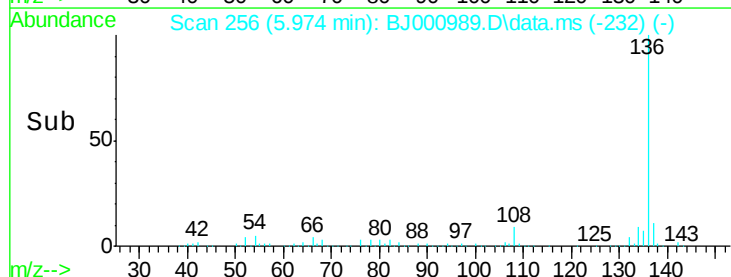
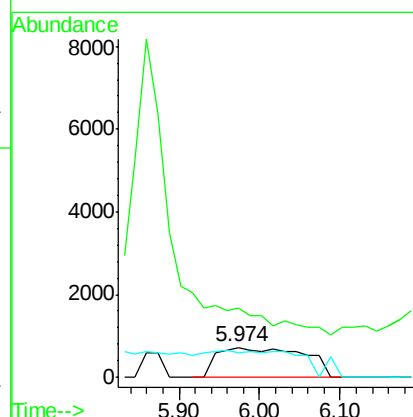
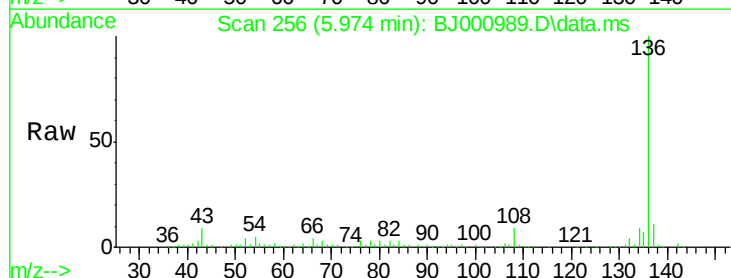
Tgt Ion: 61 Resp: 5357

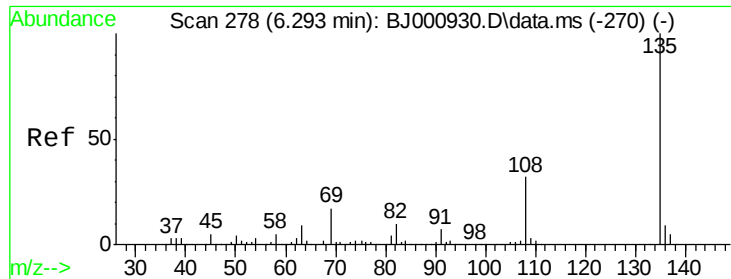
Ion Ratio Lower Upper

61 100

45 230.4 55.5 95.5#

47 83.4 10.4 50.4#





#9

Benzothiazole

Concen: 8.44 ug/mL

RT: 6.273 min Scan# 27

Delta R.T. 0.009 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

Instrument :

BNA_J

ClientSampleId :

OF-45BMSD

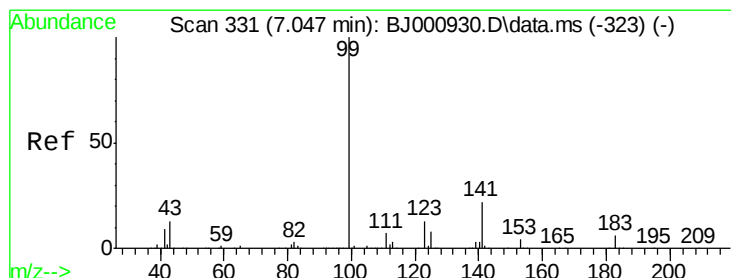
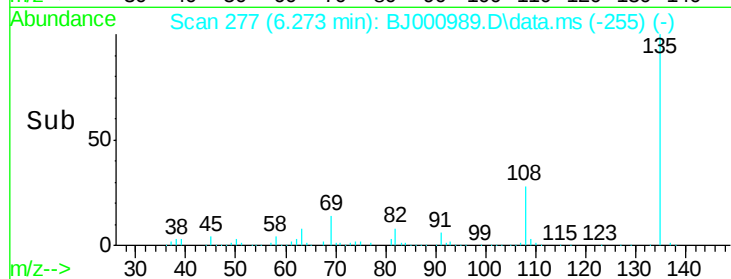
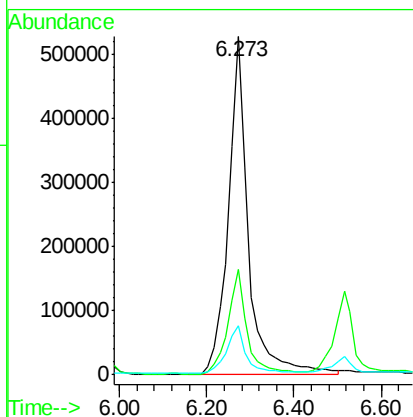
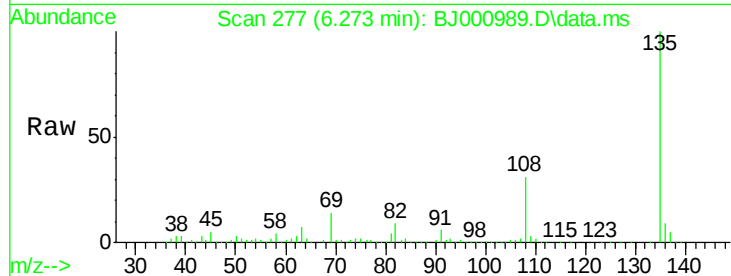
Tgt Ion:135 Resp: 1667336

Ion Ratio Lower Upper

135 100

108 31.0 12.4 52.4

69 14.5 0.0 36.7



#10

Tripropylphosphate

Concen: 0.45 ug/mL

RT: 7.041 min Scan# 331

Delta R.T. 0.023 min

Lab File: BJ000989.D

Acq: 27 Jun 2012 23:17

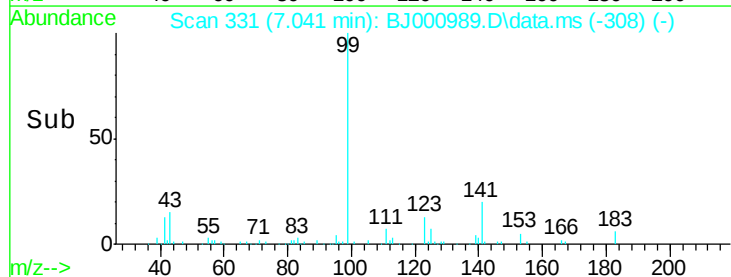
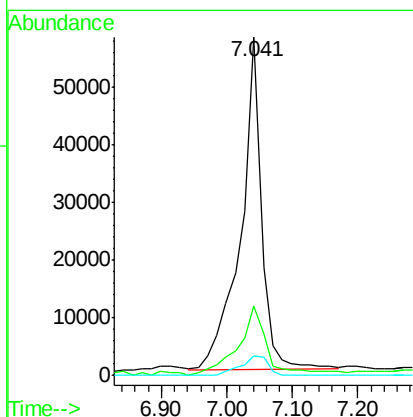
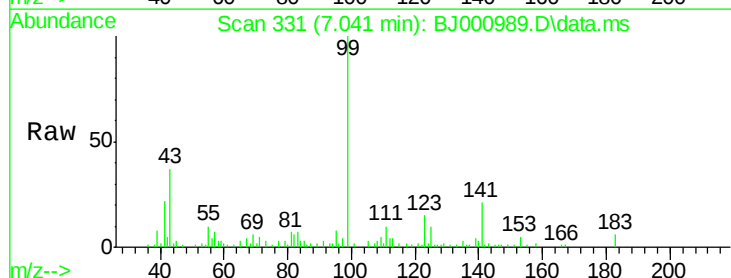
Tgt Ion: 99 Resp: 126760

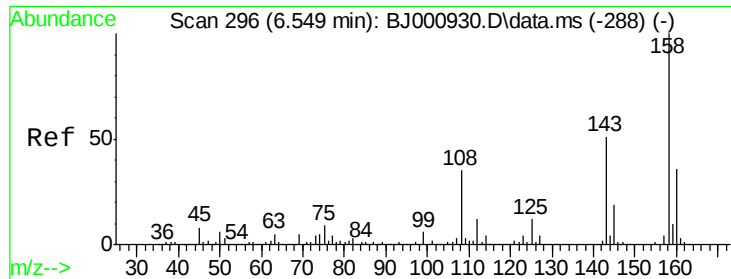
Ion Ratio Lower Upper

99 100

141 29.6 18.4 27.6#

183 7.3 6.0 9.0

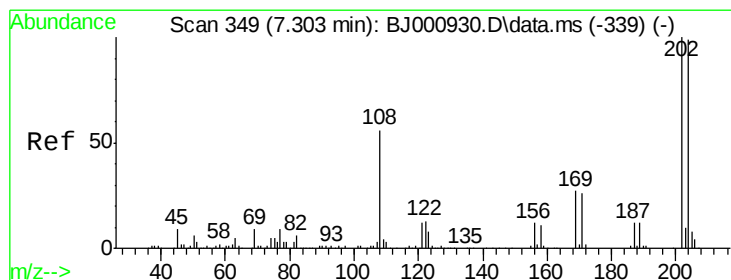
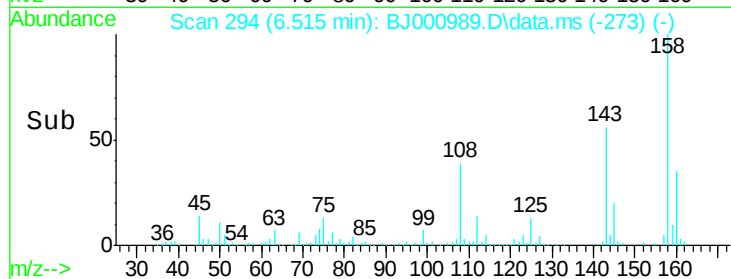
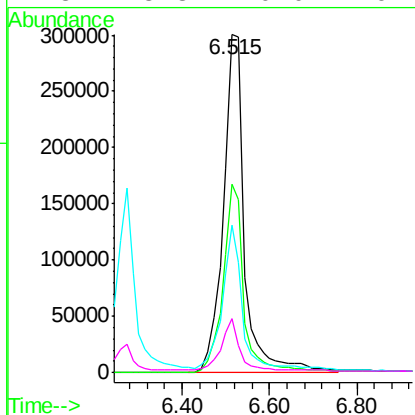
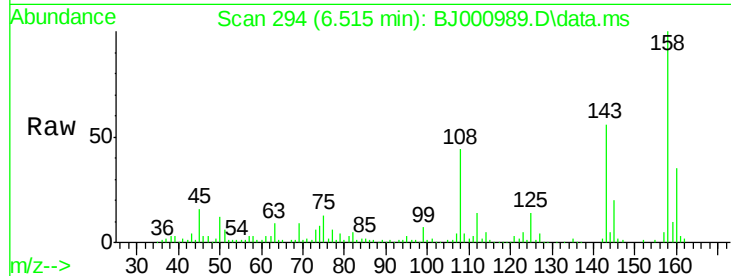




#11
 p-Chlorophenylmethylsulfide
 Concen: 8.17 ug/mL
 RT: 6.515 min Scan# 29
 Delta R.T. -0.005 min
 Lab File: BJ000989.D
 Acq: 27 Jun 2012 23:17

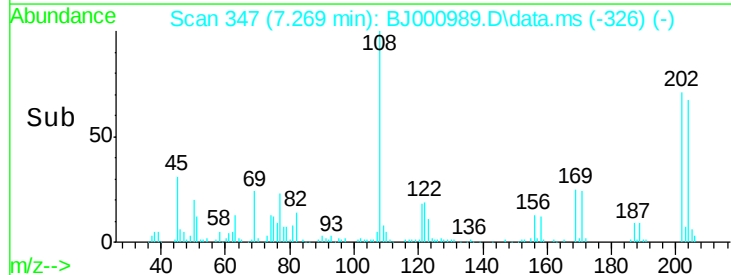
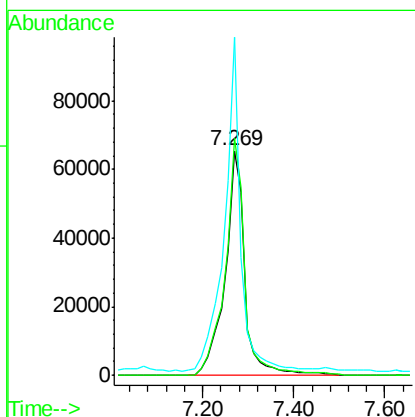
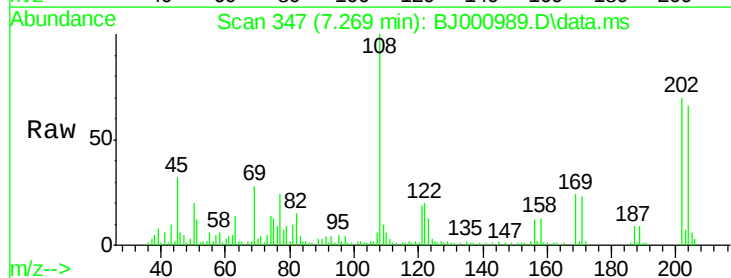
Instrument :
 BNA_J
 ClientSampleId :
 OF-45BMSD

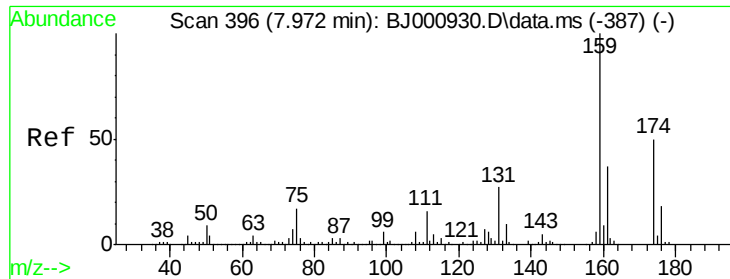
Tgt Ion:158 Resp: 1013294
 Ion Ratio Lower Upper
 158 100
 143 55.8 31.9 71.9
 108 43.7 15.8 55.8
 45 15.8 0.0 29.2



#12
 2-Bromothioanisole
 Concen: 4.00 ug/mL
 RT: 7.269 min Scan# 347
 Delta R.T. -0.005 min
 Lab File: BJ000989.D
 Acq: 27 Jun 2012 23:17

Tgt Ion:204 Resp: 196638
 Ion Ratio Lower Upper
 204 100
 202 105.8 84.6 124.6
 108 150.6 48.1 88.1#

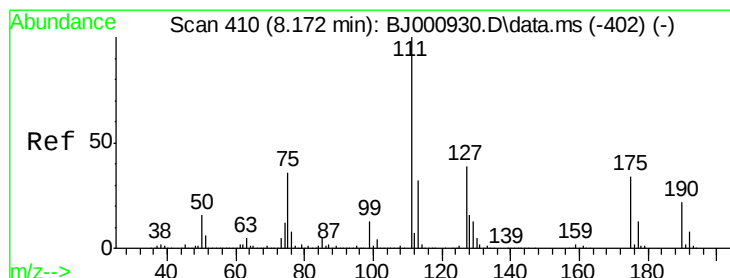
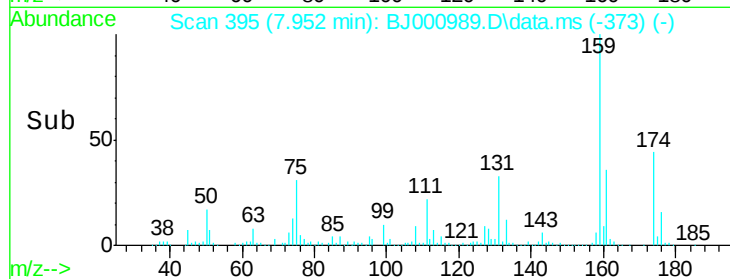
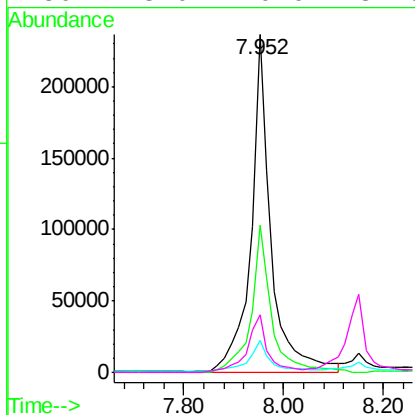
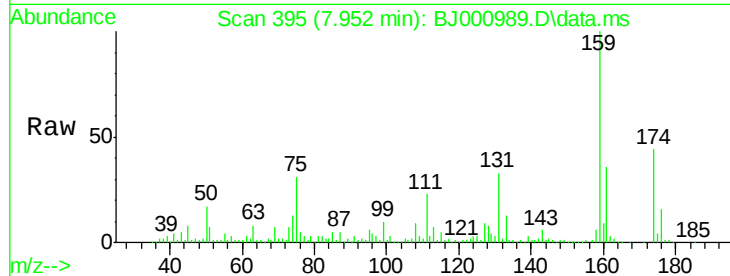




#13
p-Chlorophenylmethylsulfoxide
Concen: 8.96 ug/mL
RT: 7.952 min Scan# 39
Delta R.T. 0.009 min
Lab File: BJ000989.D
Acq: 27 Jun 2012 23:17

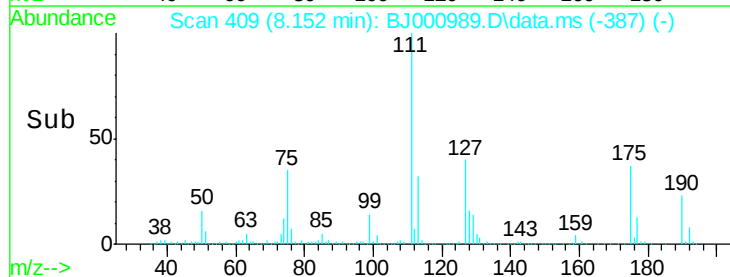
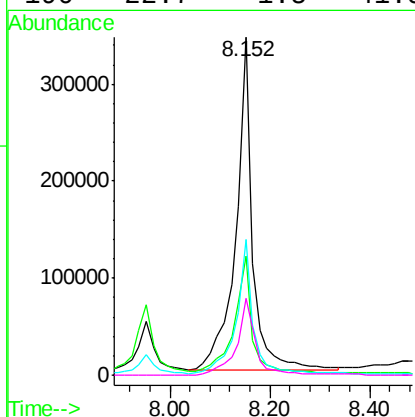
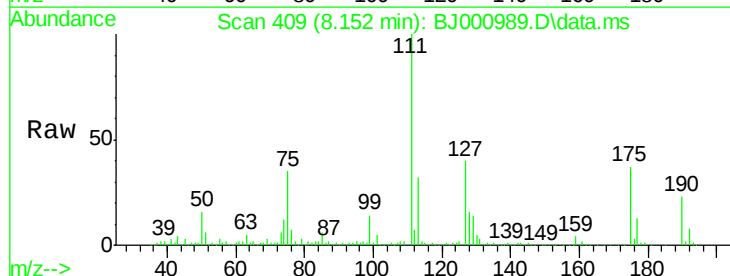
Instrument :
BNA_J
ClientSampleId :
OF-45BMSD

Tgt Ion:	159	Resp:	650615
Ion Ratio	Lower	Upper	
159	100		
174	45.2	26.0	66.0
108	9.1	0.0	28.6
50	18.0	0.0	37.3



#14
p-Chlorophenylmethylsulfone
Concen: 7.67 ug/mL
RT: 8.152 min Scan# 409
Delta R.T. 0.009 min
Lab File: BJ000989.D
Acq: 27 Jun 2012 23:17

Tgt Ion:	111	Resp:	802608
Ion Ratio	Lower	Upper	
111	100		
75	35.3	19.3	59.3
127	40.3	18.4	58.4
190	22.7	1.5	41.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
 Data File : BJ000989.D
 Acq On : 27 Jun 2012 23:17
 Operator : HLM
 Sample : D3156-09MSD
 Misc : WATER BNA_J HLM
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 OF-45BMSD

Quant Time: Jul 02 07:23:59 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Thu Jun 28 10:45:59 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.679	152	172106	2.00	ug/mL	0.00
6) Naphthalene-d8	5.974	136	719280	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.041	99	126760	0.45	ug/mL	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery	=	90.00%	
12) 2-Bromothioanisole	7.269	204	196638	4.00	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	80.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.672	94	294156	5.03	ug/mL	84
3) DMMP	3.611	79	6836	0.14	ug/mL	97
4) DIMP	5.006	97	597762	4.06	ug/mL#	89
5) 1,4-Oxathiane	3.683	46	283910	4.94	ug/mL	99
7) 1,4-Dithiane	5.134	46	226930	4.43	ug/mL#	73
8) Thiodiglycol	5.974	61	5357	1.57	ug/mL#	1
9) Benzothiazole	6.273	135	1667336	8.44	ug/mL	97
11) p-Chlorophenylmethyisu...	6.515	158	1013294	8.17	ug/mL	90
13) p-Chlorophenylmethyisu...	7.952	159	650615	8.96	ug/mL	99
14) p-Chlorophenylmethyisu...	8.152	111	802608	7.67	ug/mL	96

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