

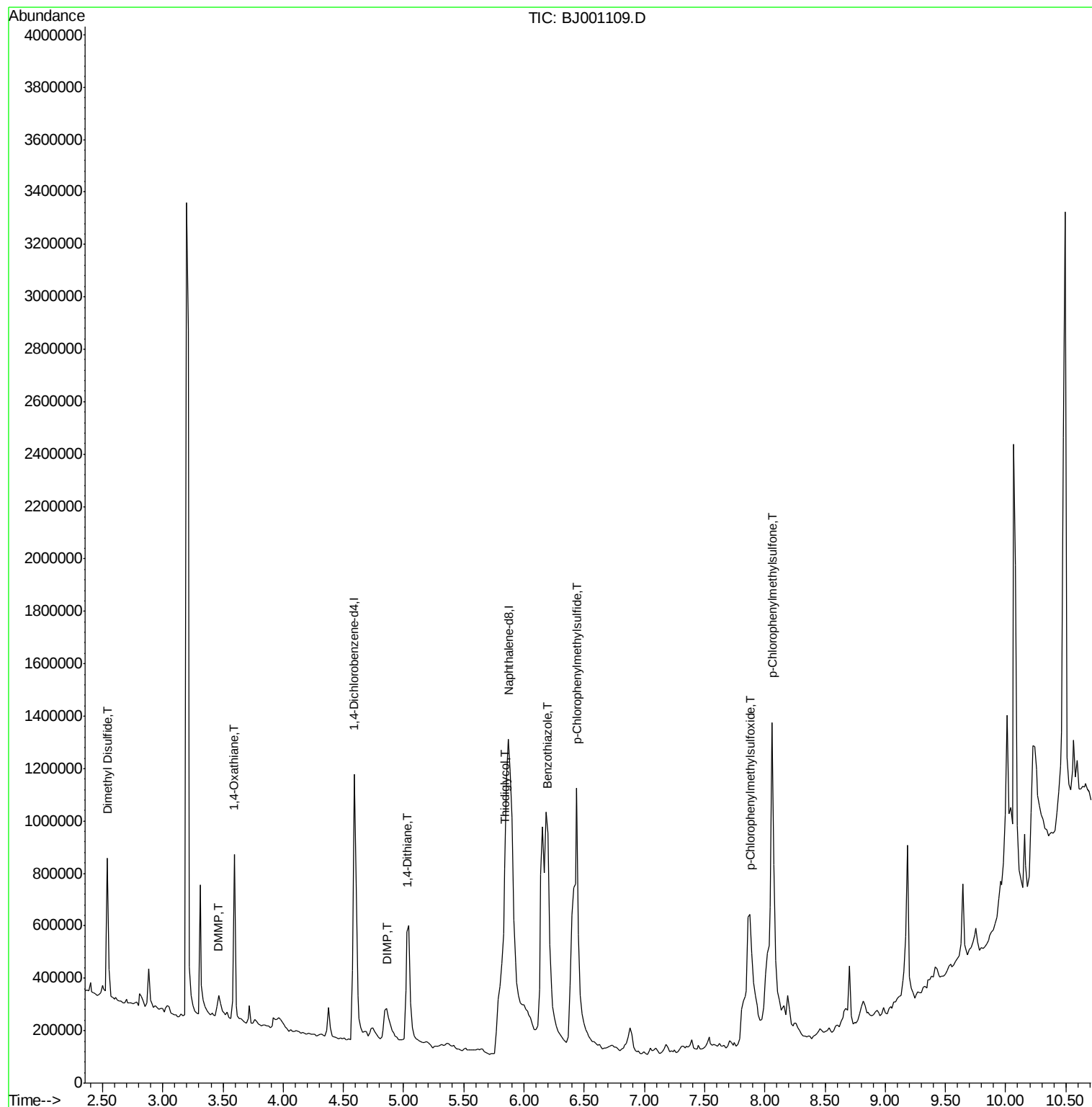
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001109.D
Acq On : 11 Sep 2012 15:02
Operator : HLM
Sample : CWA-ICV
Misc : CWA STD BNA_J HLM
ALS Vial : 8 Sample Multiplier: 1

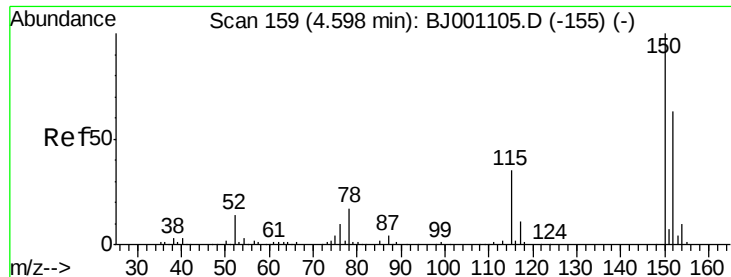
Instrument :
BNA_J
ClientSampleId :
CWA-ICV

Manual Integrations
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9/20/2012 5:29:28 AM

Quant Time: Sep 20 04:34:30 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Sep 11 15:38:38 2012
Response via : Initial Calibration





#1

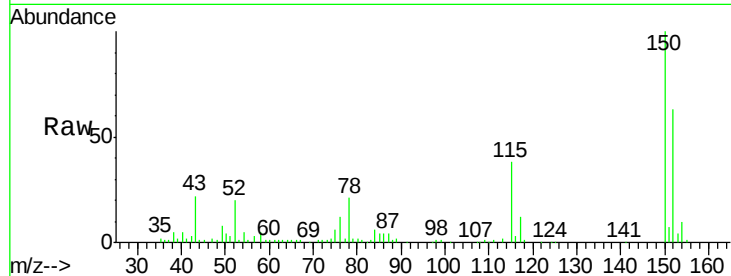
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.59 min Scan# 158
Delta R.T. -0.01 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Instrument :
BNA_J
ClientSampleId :
CWA-ICV

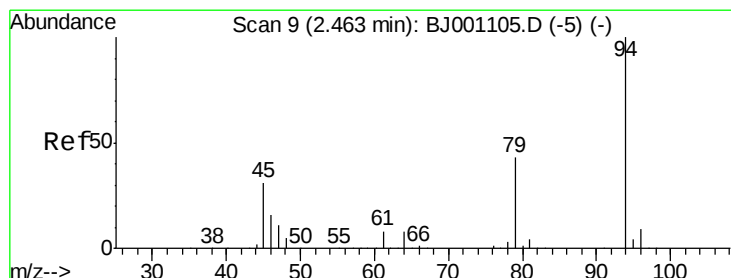
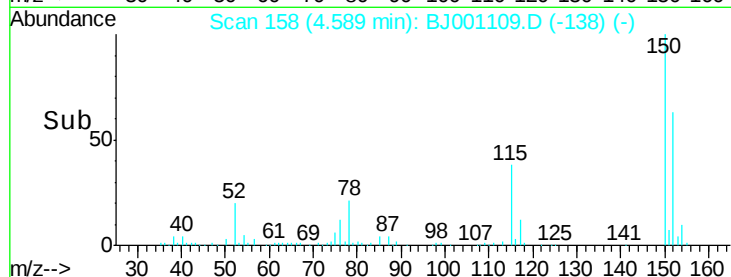
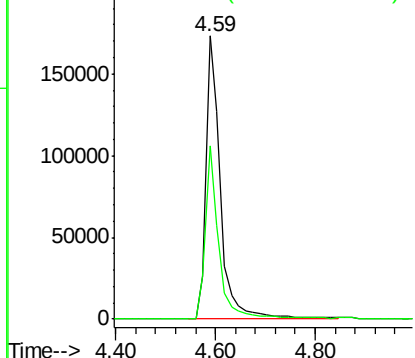
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	349645		
115	61.4	35.3	75.3	

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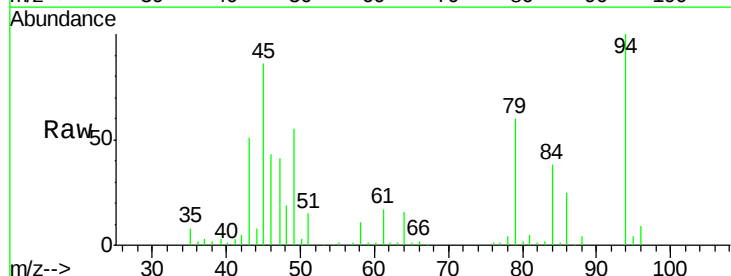
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 115.00 (114.70 to 115.70): E



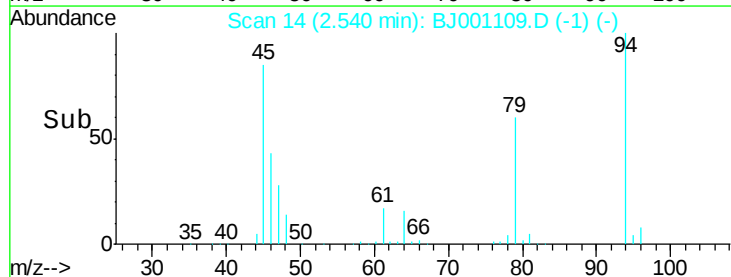
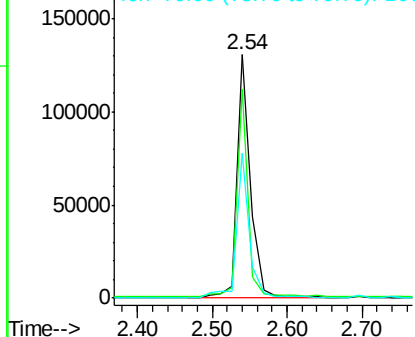
#2

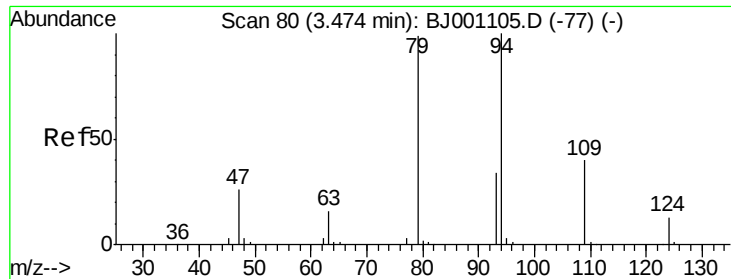
Dimethyl Disulfide
Concen: 1.08 ug/mL
RT: 2.54 min Scan# 14
Delta R.T. 0.08 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	166442		
45	85.8	12.7	52.7#	
79	59.8	22.9	62.9	



Abundance Ion 94.00 (93.70 to 94.70): BJ0
Ion 45.00 (44.70 to 45.70): BJ0
Ion 79.00 (78.70 to 79.70): BJ0





#3

DMMP

Concen: 0.62 ug/mL

RT: 3.46 min Scan# 79

Delta R.T. -0.01 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Instrument :

BNA_J

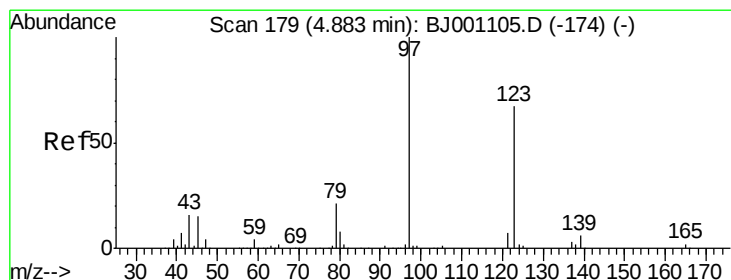
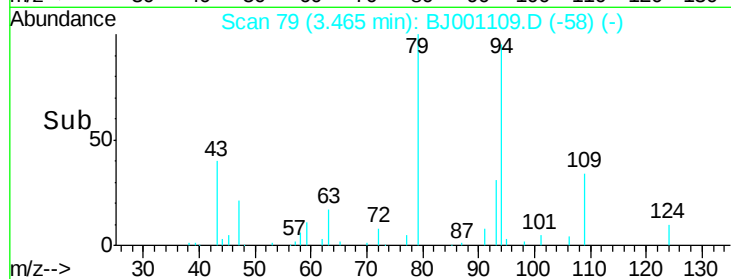
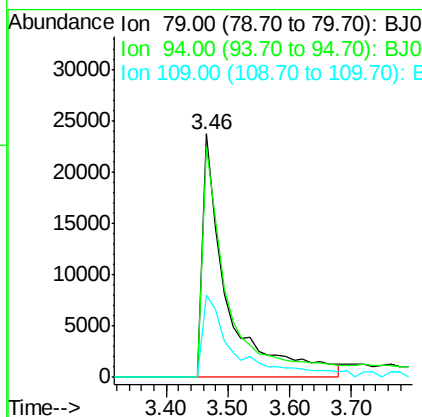
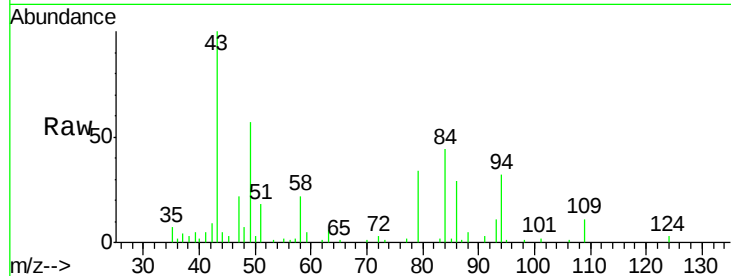
ClientSampleId :

CWA-ICV

Tgt Ion:	79	Resp:	65691
Ion Ratio	Lower	Upper	
79	100		
94	94.7	80.9	120.9
109	33.6	20.3	60.3

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#4

DIMP

Concen: 0.59 ug/mL

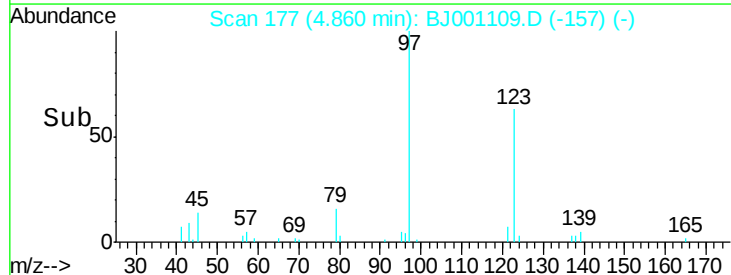
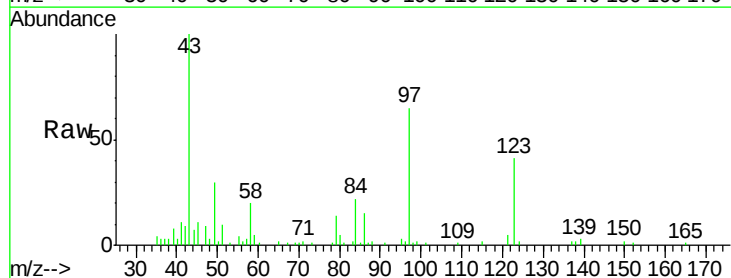
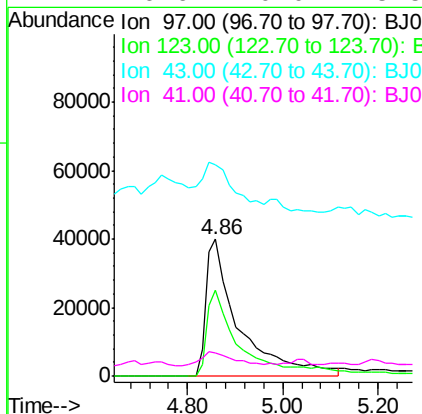
RT: 4.86 min Scan# 177

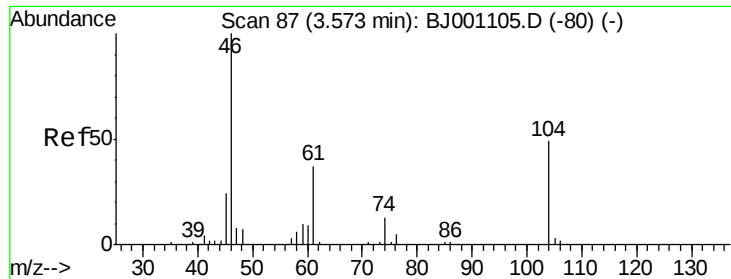
Delta R.T. -0.02 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Tgt Ion:	97	Resp:	191247
Ion Ratio	Lower	Upper	
97	100		
123	62.7	47.2	87.2
43	154.2	0.0	36.5#
41	16.6	0.0	28.5





#5

1,4-Oxathiane

Concen: 1.41 ug/mL

RT: 3.59 min Scan# 88

Delta R.T. 0.02 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Instrument :

BNA_J

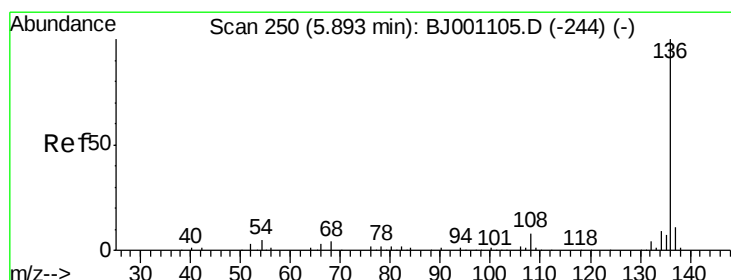
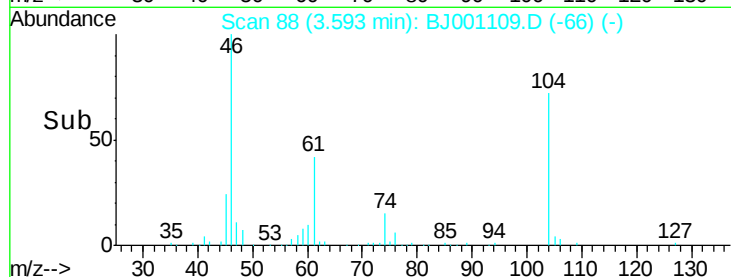
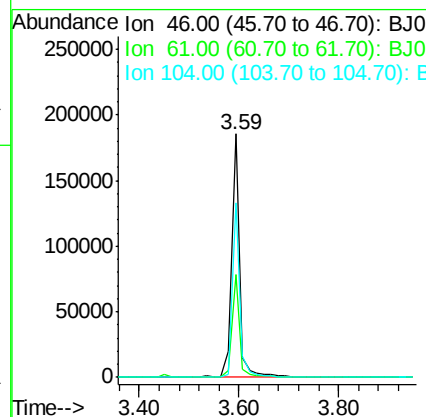
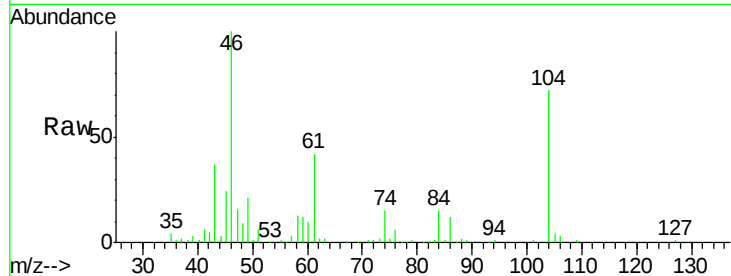
ClientSampled :

CWA-ICV

Tgt Ion:	46	Resp:	206829
Ion Ratio	Lower	Upper	
46	100		
61	42.1	17.1	57.1
104	71.7	29.3	69.3#

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#6

Naphthalene-d8

Concen: 2.00 ug/mL

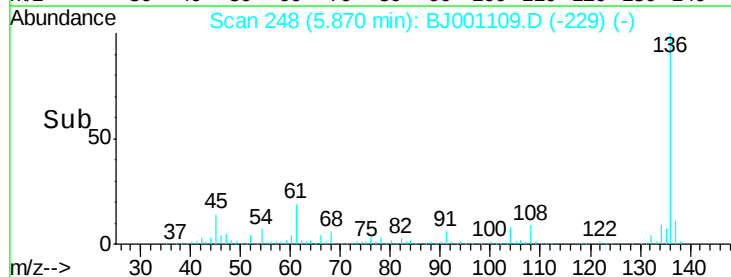
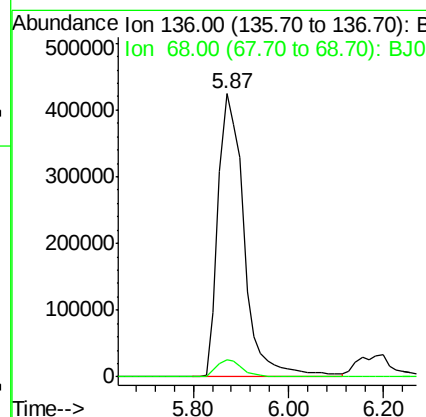
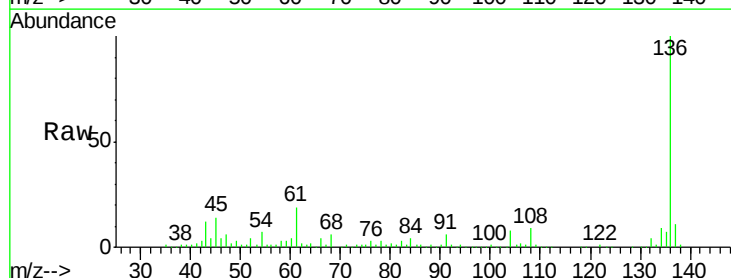
RT: 5.87 min Scan# 248

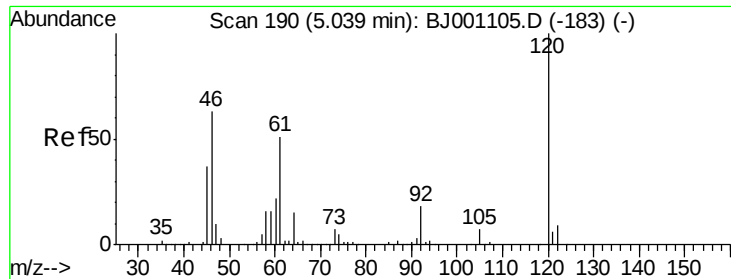
Delta R.T. -0.02 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Tgt Ion:	136	Resp:	1606400
Ion Ratio	Lower	Upper	
136	100		
68	6.1	0.0	24.4





#7

1,4-Dithiane

Concen: 1.30 ug/mL

RT: 5.03 min Scan# 189

Delta R.T. -0.01 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Instrument :

BNA_J

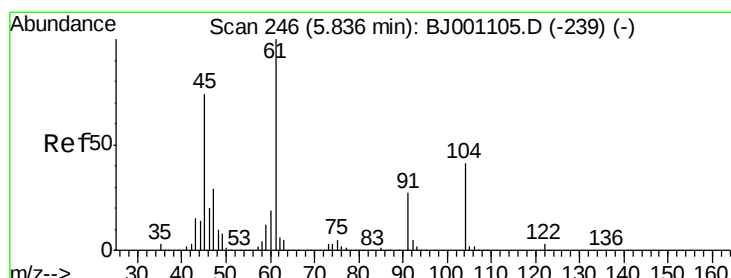
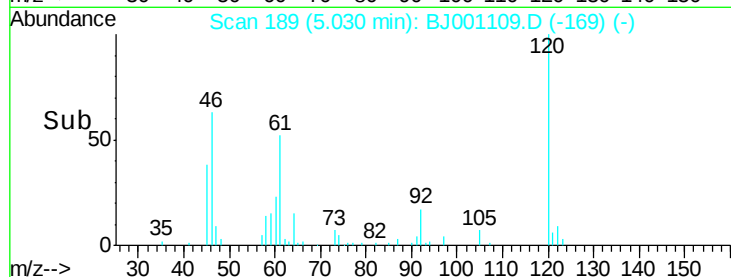
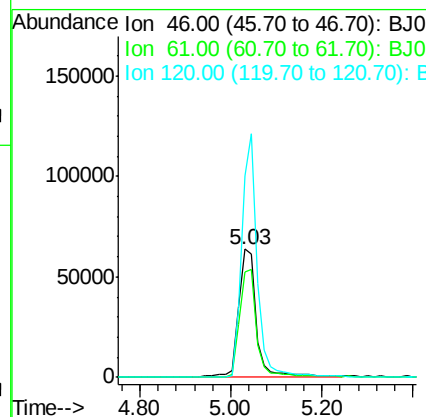
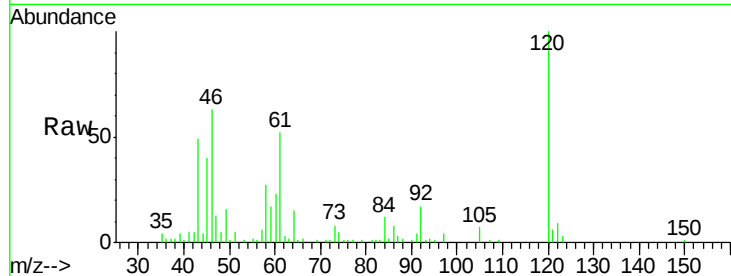
ClientSampleId :

CWA-ICV

Tgt Ion:	46	Resp:	177857
Ion Ratio	Lower	Upper	
46	100		
61	82.7	60.0	100.0
120	157.7	138.1	178.1

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#8

Thiodiglycol

Concen: 11.74 ug/mL m

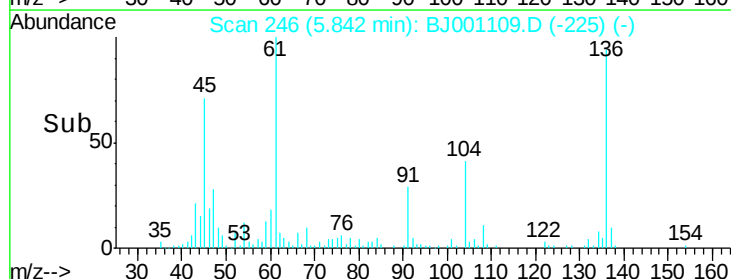
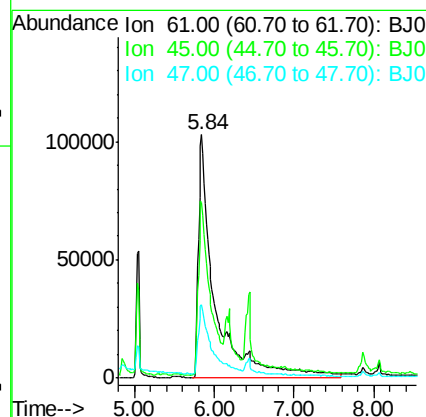
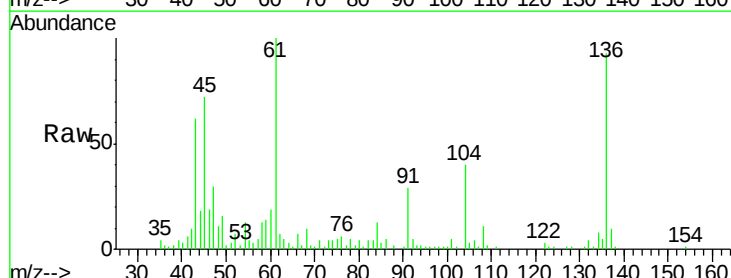
RT: 5.84 min Scan# 246

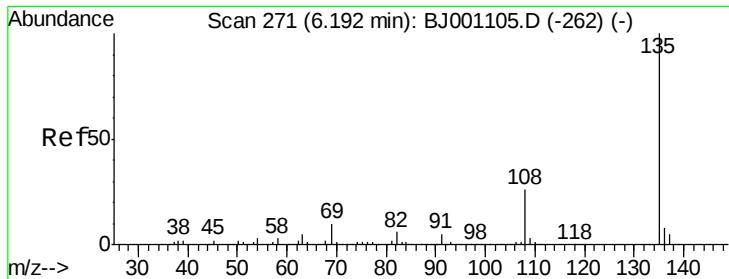
Delta R.T. 0.01 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Tgt Ion:	61	Resp:	1527190
Ion Ratio	Lower	Upper	
61	100		
45	72.3	54.0	94.0
47	30.2	9.6	49.6





#9

Benzothiazole

Concen: 3.89 ug/mL

RT: 6.20 min Scan# 271

Delta R.T. 0.01 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

Instrument :

BNA_J

ClientSampleId :

CWA-ICV

Tgt Ion: 135 Resp: 1696272

Ion Ratio Lower Upper

135 100

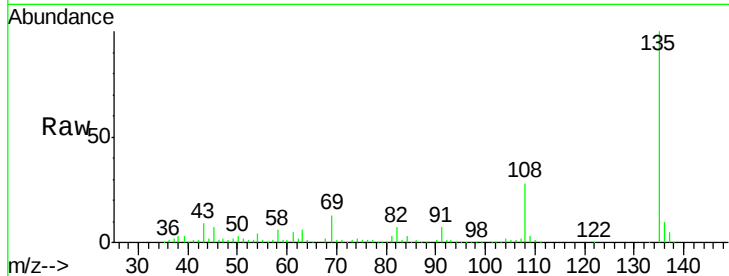
108 28.5 5.8 45.8

69 12.6 0.0 30.2

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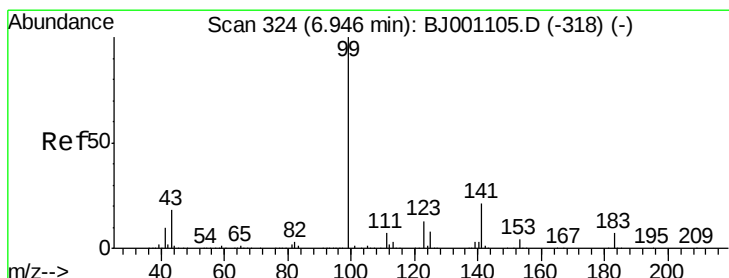
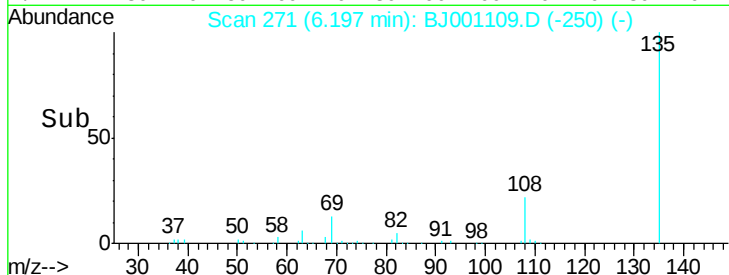
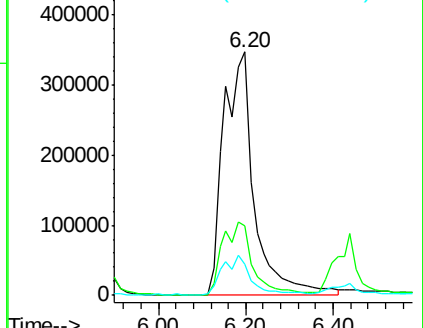
9/20/2012 5:29:28 AM



Abundance Ion 135.00 (134.70 to 135.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): E



#10

Tripropylphosphate

Concen: 0.00 ug/mL

RT: 6.89 min Scan# 320

Delta R.T. -0.05 min

Lab File: BJ001109.D

Acq: 11 Sep 2012 15:02

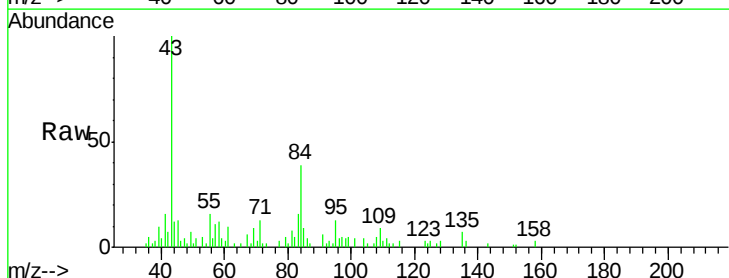
Tgt Ion: 99 Resp: 2143

Ion Ratio Lower Upper

99 100

141 0.0 16.0 24.0#

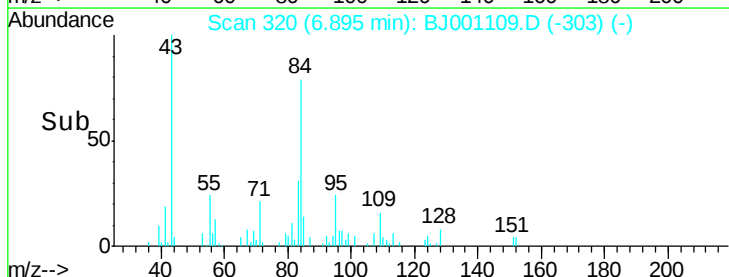
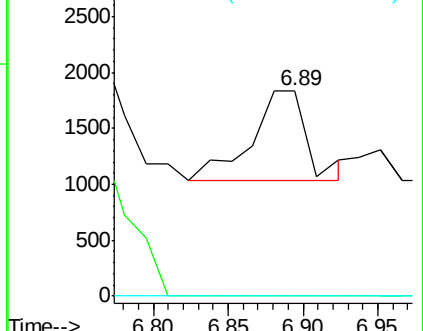
183 0.0 5.6 8.4#

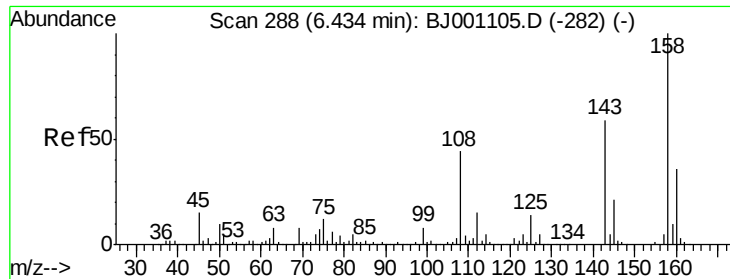


Abundance Ion 99.00 (98.70 to 99.70): BJ0

Ion 141.00 (140.70 to 141.70): E

Ion 183.00 (182.70 to 183.70): E





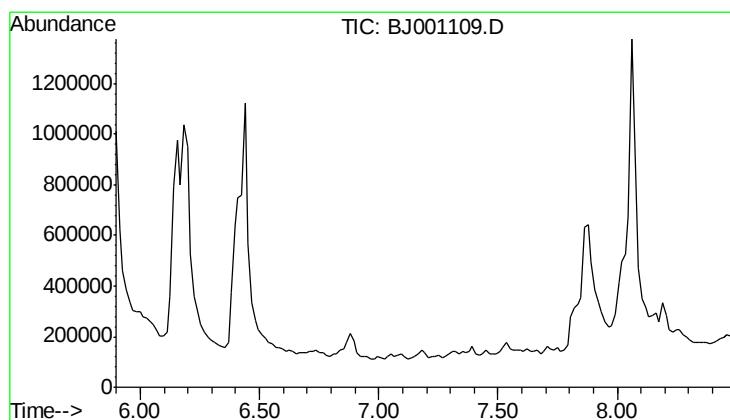
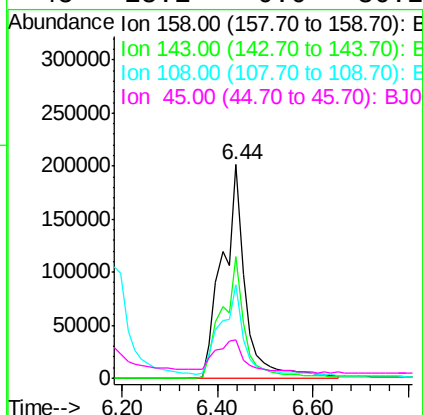
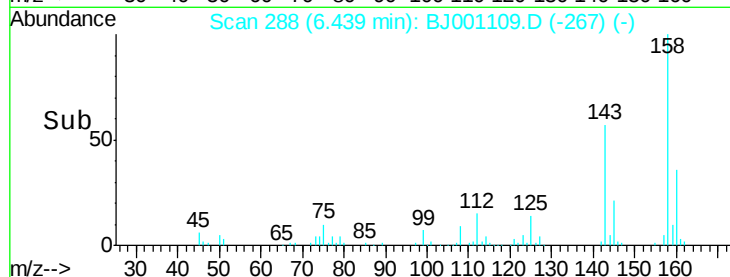
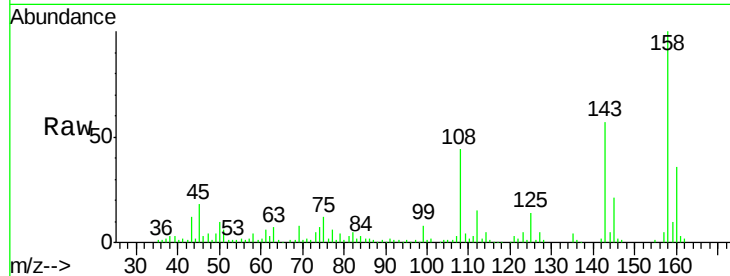
#11
p-Chlorophenylmethylsulfide
Concen: 2.61 ug/mL
RT: 6.44 min Scan# 288
Delta R.T. 0.01 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Instrument :
BNA_J
ClientSampleId :
CWA-ICV

Tgt Ion:	158	Resp:	673884
Ion Ratio	Lower	Upper	
158	100		
143	56.7	39.2	79.2
108	43.7	24.9	64.9
45	18.1	0.0	36.2

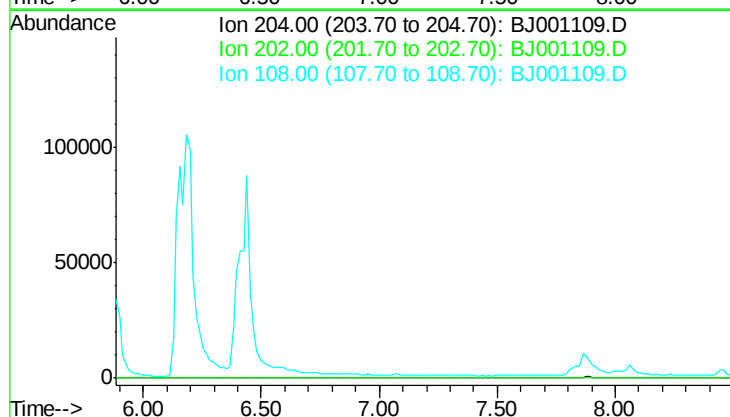
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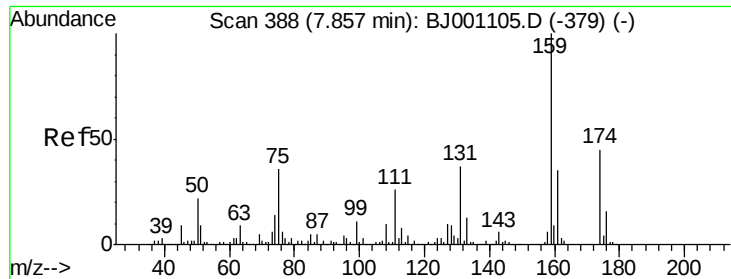
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#12
2-Bromothioanisole
Concen: 0.00 ug/mL
Expected RT: 7.19 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Tgt Ion:	204
Sig	Exp Ratio
204	100
202	99.8
108	67.7





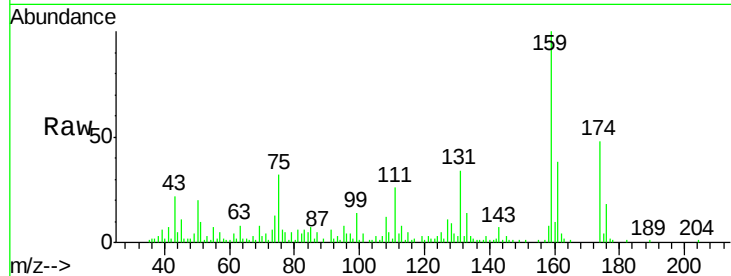
#13
p-Chlorophenylmethylsulfoxide
Concen: 2.90 ug/mL m
RT: 7.88 min Scan# 389
Delta R.T. 0.02 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Instrument :
BNA_J
ClientSampleId :
CWA-ICV

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	478178		
174	41.6	27.2	67.2	
108	10.1	0.0	29.4	
50	19.7	0.7	40.7	

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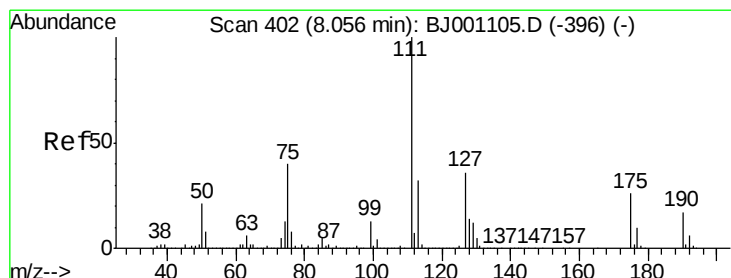
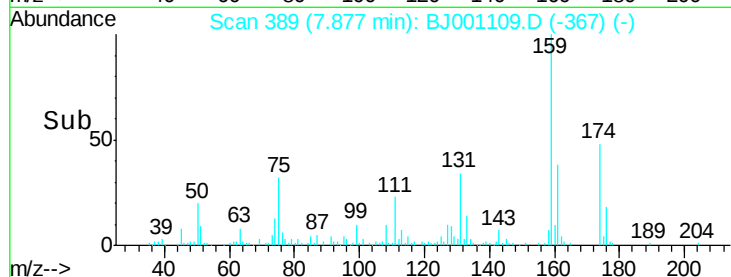
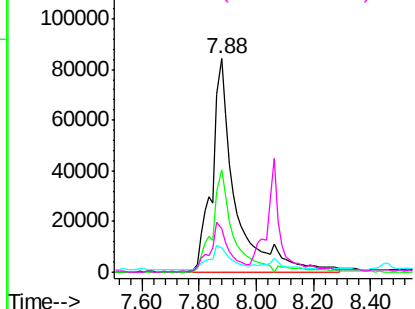
Abundance

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: 3.27 ug/mL
RT: 8.06 min Scan# 402
Delta R.T. 0.01 min
Lab File: BJ001109.D
Acq: 11 Sep 2012 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	674724		
75	35.8	21.3	61.3	
127	38.4	16.0	56.0	
190	23.3	0.0	36.9	

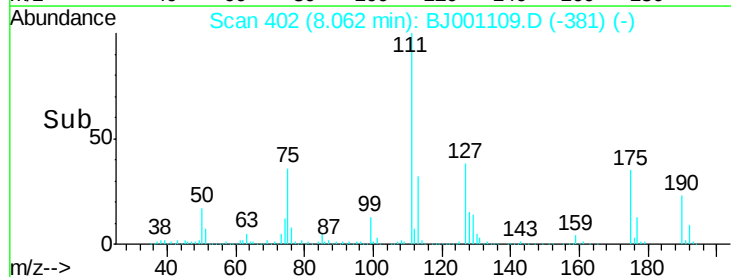
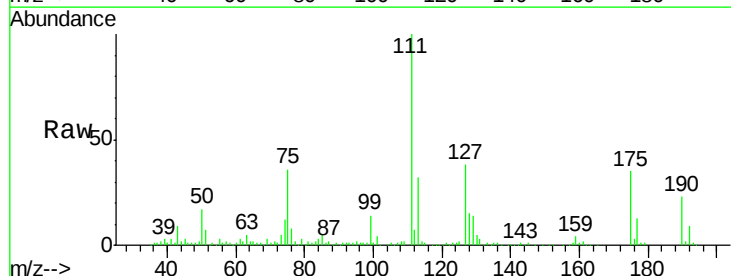
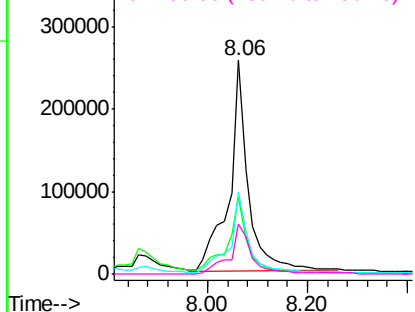
Abundance

Ion 111.00 (110.70 to 111.70): E

Ion 75.00 (74.70 to 75.70): BJ0

Ion 127.00 (126.70 to 127.70): E

Ion 190.00 (189.70 to 190.70): E



Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
 Data File : BJ001109.D
 Acq On : 11 Sep 2012 15:02
 Operator : HLM
 Sample : CWA-ICV
 Misc : CWA STD BNA_J HLM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-ICV

Manual Integrations
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 9/20/2012 5:29:28 AM

Quant Time: Sep 20 04:34:30 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Sep 11 15:38:38 2012
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.59	152	349645	2.00	ug/mL	0.00
6) Naphthalene-d8	5.87	136	1606400	2.00	ug/mL	-0.02

System Monitoring Compounds						
10) Tripropylphosphate	6.89	99	2143	0.00	ug/mL	-0.05
Spiked Amount	0.500	Range	70 - 130	Recovery	=	0.00%#
12) 2-Bromothioanisole	0.00	204	0	0.00	ug/mL	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#

Target Compounds						Qvalue
2) Dimethyl Disulfide	2.54	94	166442	1.08	ug/mL#	44
3) DMMP	3.46	79	65691	0.62	ug/mL	93
4) DIMP	4.86	97	191247	0.59	ug/mL#	36
5) 1,4-Oxathiane	3.59	46	206829	1.41	ug/mL#	78
7) 1,4-Dithiane	5.03	46	177857	1.30	ug/mL	99
8) Thiodiglycol	5.84	61	1527190m	11.74	ug/mL	
9) Benzothiazole	6.20	135	1696272	3.89	ug/mL	94
11) p-Chlorophenylmethyldisulfid	6.44	158	673884	2.61	ug/mL	97
13) p-Chlorophenylmethyldisulfox	7.88	159	478178m	2.90	ug/mL	
14) p-Chlorophenylmethyldisulfon	8.06	111	674724	3.27	ug/mL	92

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