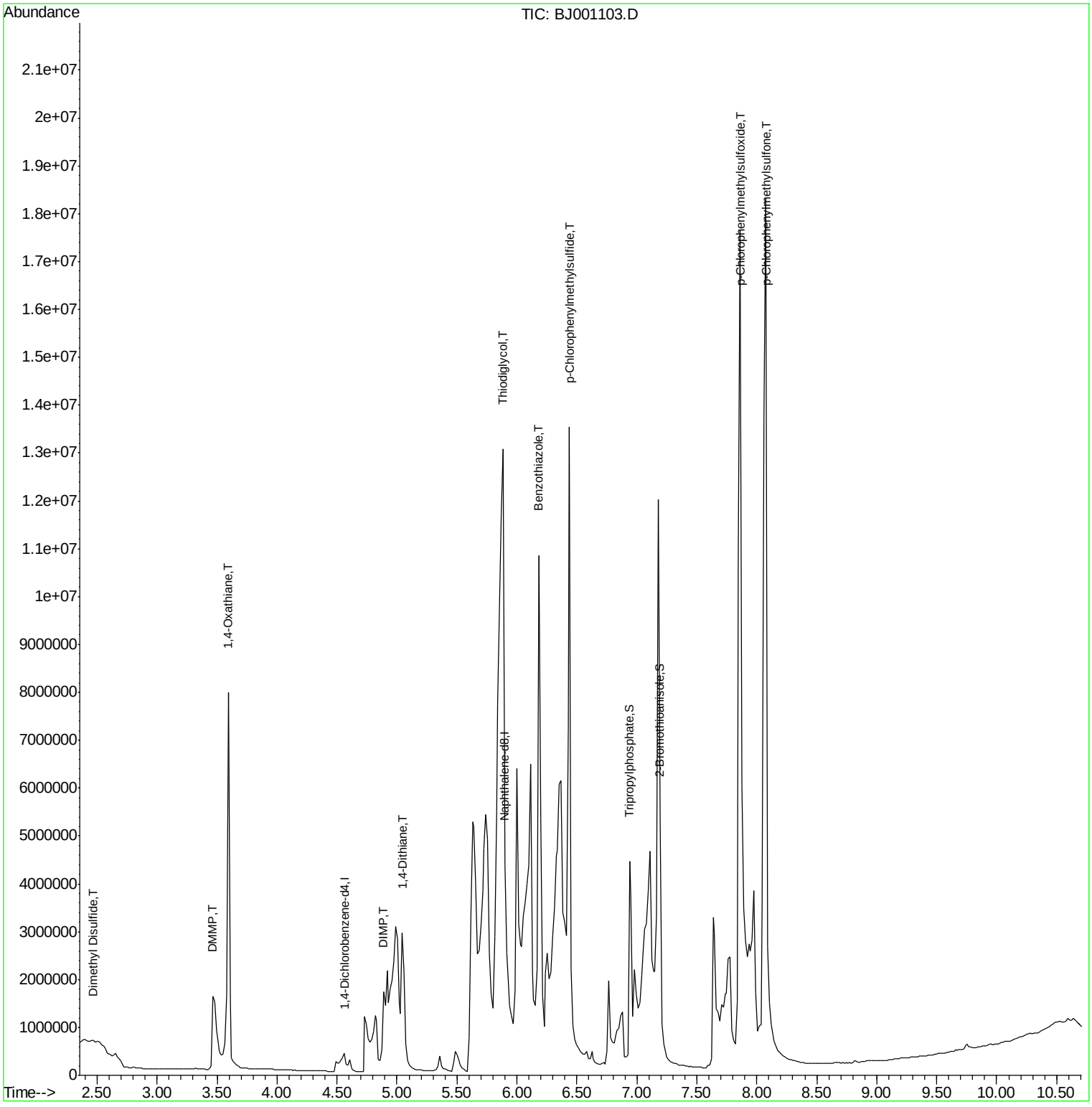
Quantitation Report (QT Reviewed)

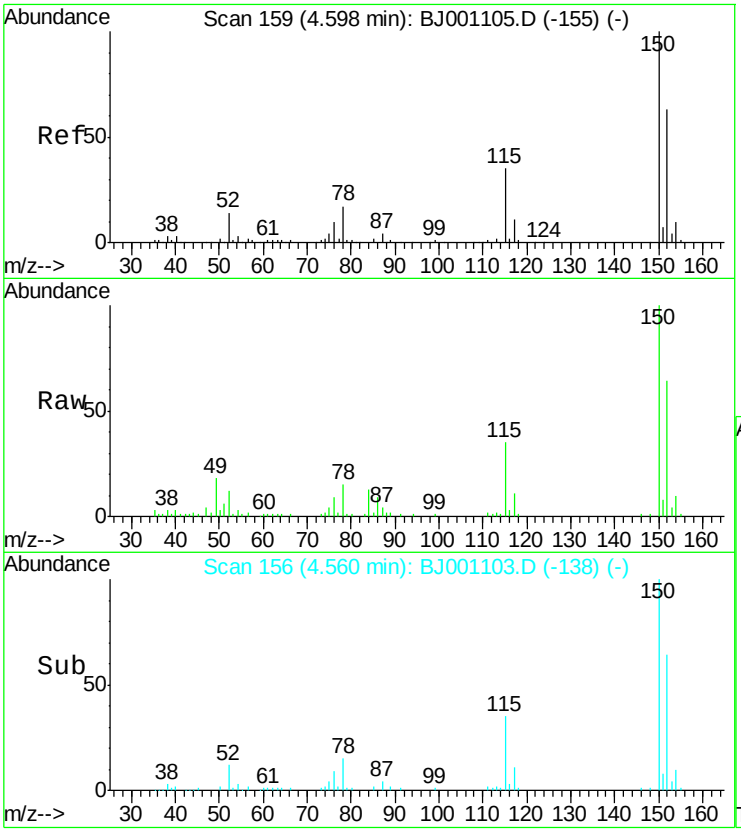
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001103.D
Acq On : 11 Sep 2012 13:16
Operator : HLM
Sample : CWA-6
Misc : CWA STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:55:44 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
Quant Title : CWA degredation products by GCMS
QLast Update : Tue Sep 11 15:29:36 2012
Response via : Initial Calibration

Instrument :
BNA_J
LabSampleId :
CWA-6

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:16 AM





#1
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL m
RT: 4.56 min Scan# 156
Delta R.T. -0.04 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:152 Resp: 330635

Ion	Ratio	Lower	Upper
152	100		
115	54.0	35.3	75.3

Instrument :
BNA_J
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CWA-6

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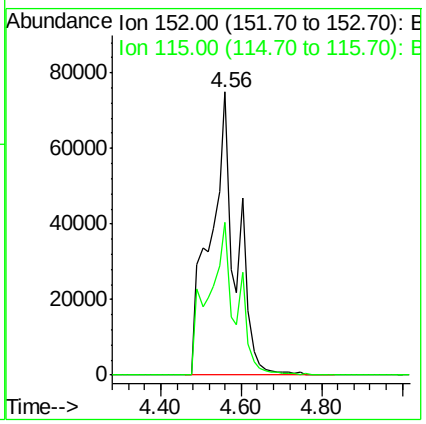
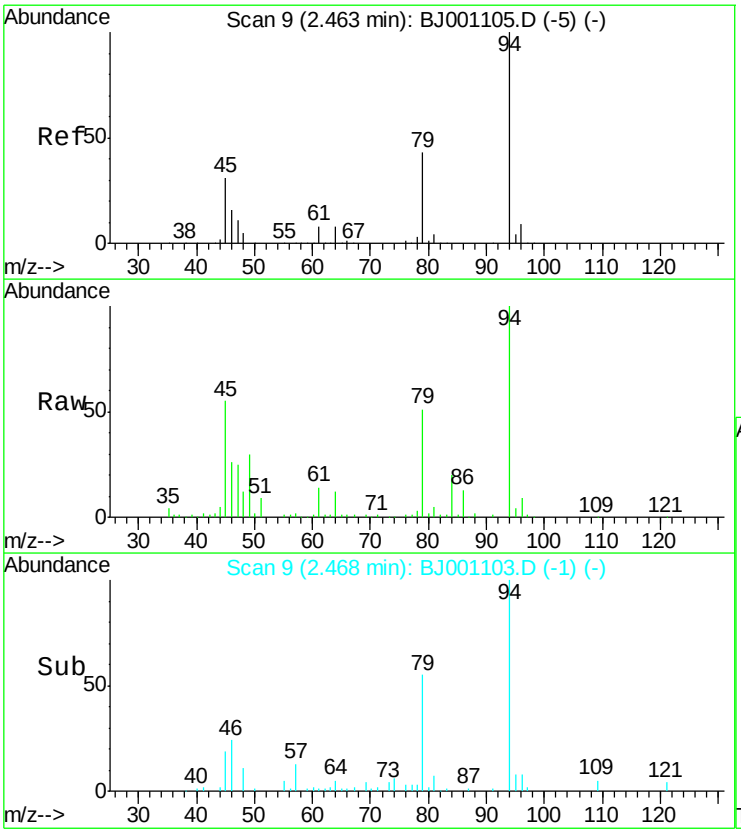
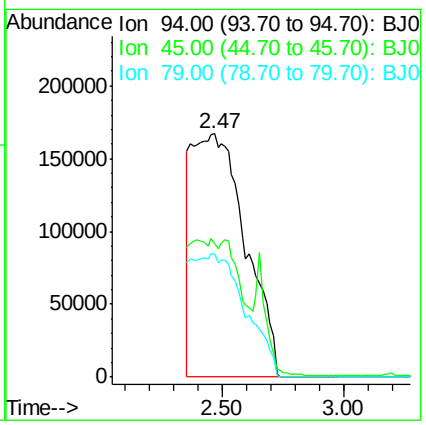


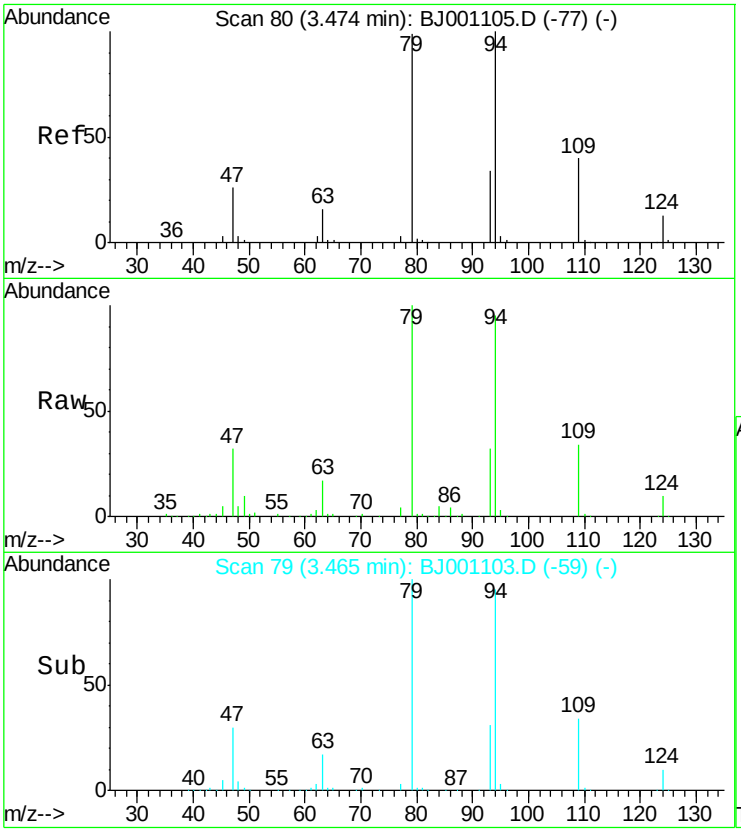


#2
Dimethyl Disulfide
Concen: 20.50 ug/mL m
RT: 2.47 min Scan# 9
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 94 Resp: 2535886

Ion	Ratio	Lower	Upper
94	100		
45	54.7	12.7	52.7#
79	50.9	22.9	62.9

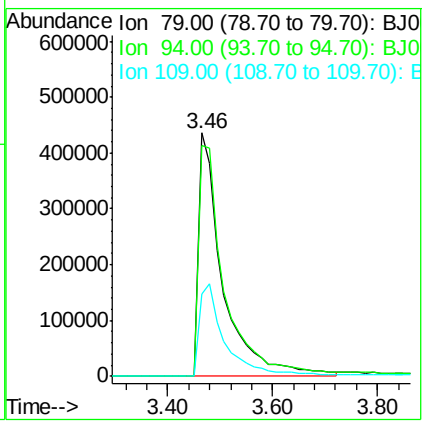




#3
DMMP
Concen: 9.35 ug/mL
RT: 3.46 min Scan# 79
Delta R.T. -0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 79 Resp: 1392082

Ion	Ratio	Lower	Upper
79	100		
94	95.0	80.9	120.9
109	33.8	20.3	60.3



Instrument :
BNA_J
LabSampleId :
CWA-6

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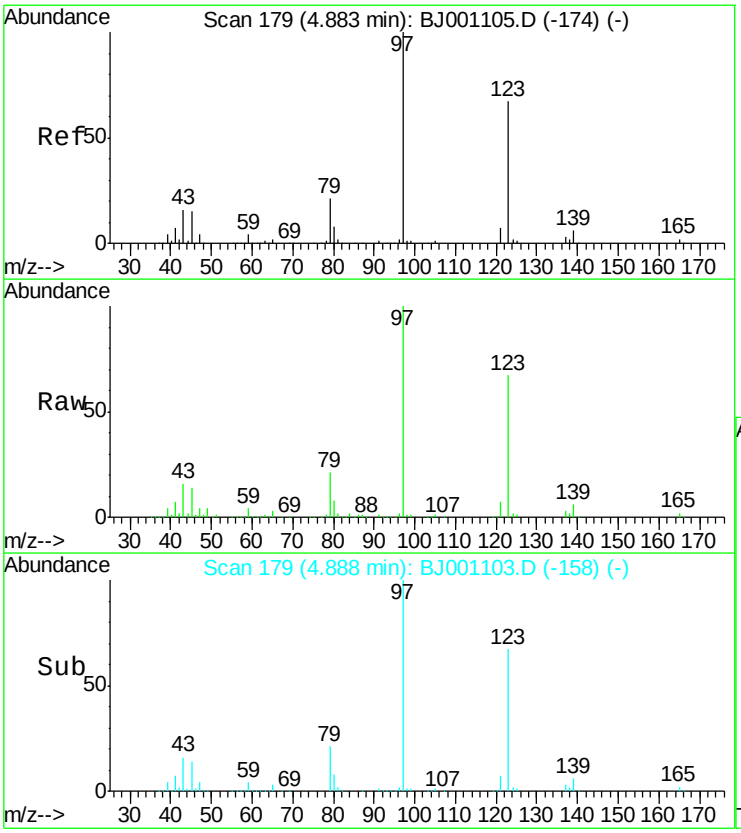
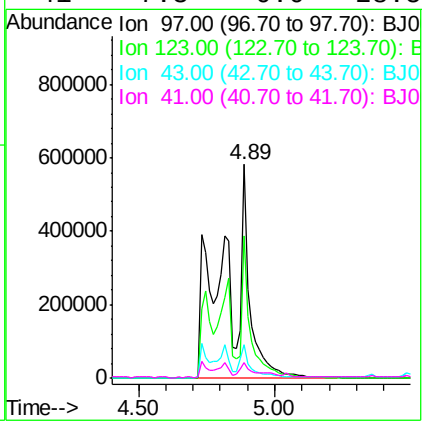
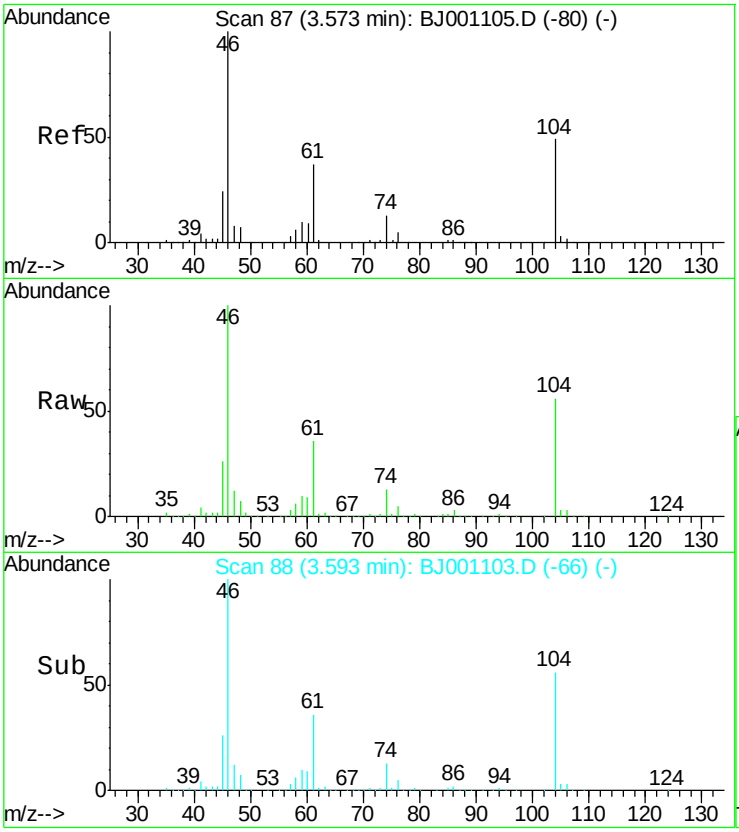


#4
DIMP
Concen: 11.42 ug/mL m
RT: 4.89 min Scan# 179
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 97 Resp: 3527111

Ion	Ratio	Lower	Upper
97	100		
123	66.7	47.2	87.2
43	15.9	0.0	36.5
41	7.3	0.0	28.5

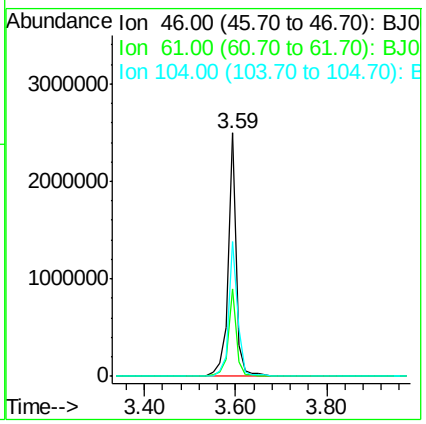




#5
1,4-Oxathiane
Concen: 20.29 ug/mL
RT: 3.59 min Scan# 88
Delta R.T. 0.02 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 46 Resp: 3122732

Ion	Ratio	Lower	Upper
46	100		
61	35.9	17.1	57.1
104	55.5	29.3	69.3



Instrument :
BNA_J
LabSampleId :
CWA-6

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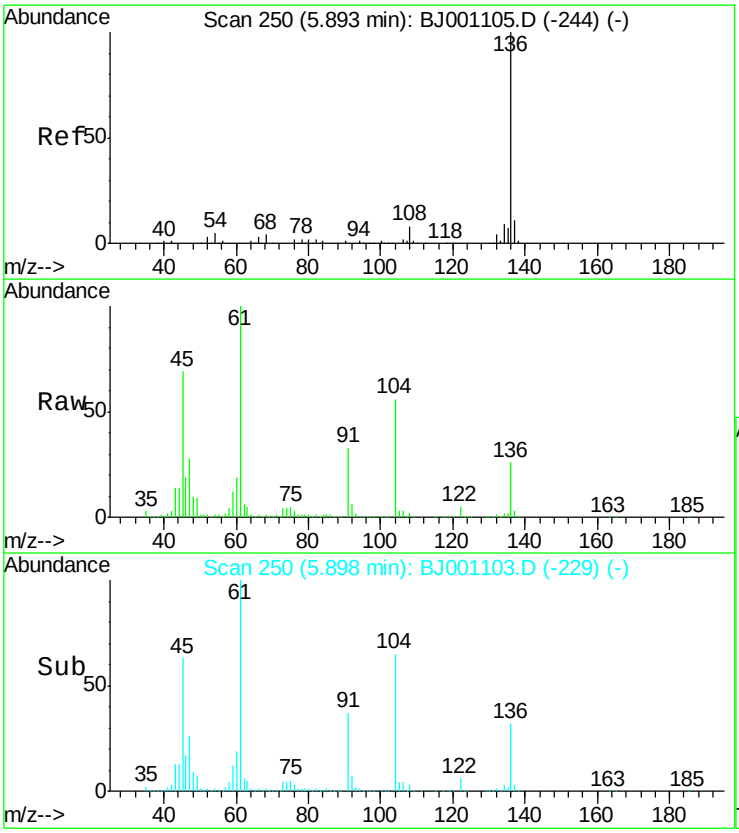
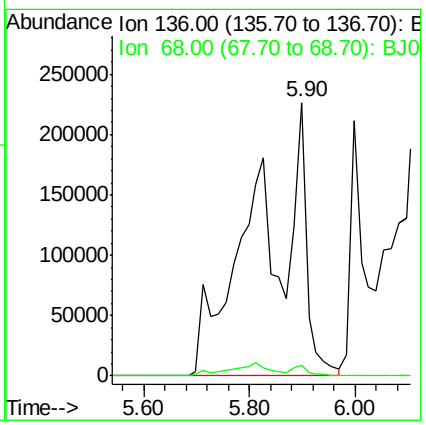
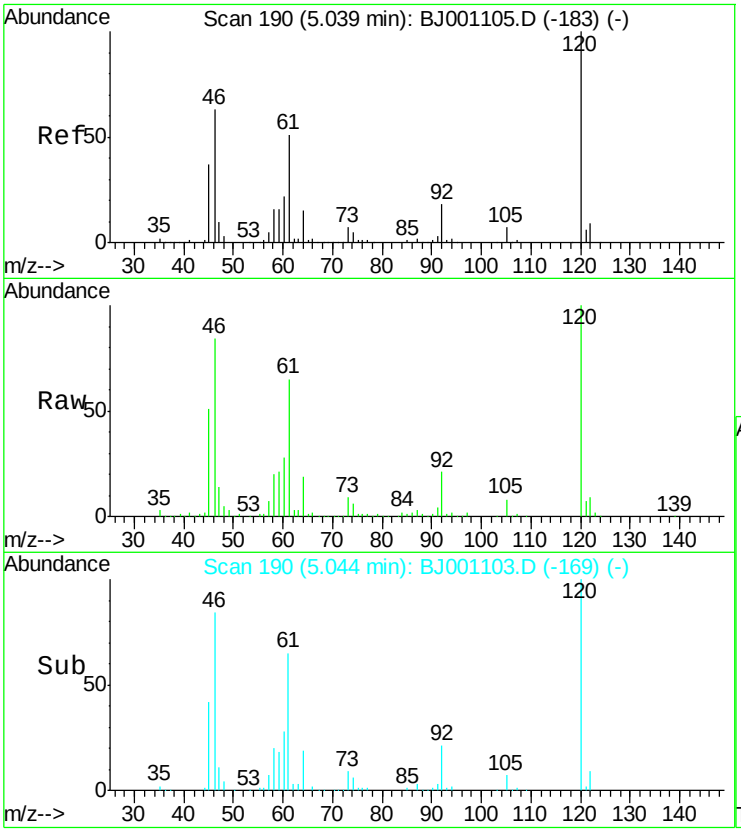


#6
Naphthalene-d8
Concen: 2.00 ug/mL m
RT: 5.90 min Scan# 250
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:136 Resp: 1354023

Ion	Ratio	Lower	Upper
136	100		
68	3.7	0.0	24.4

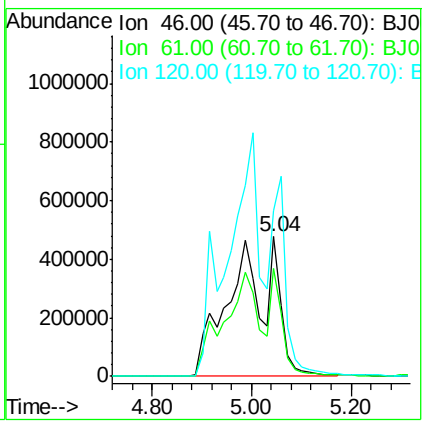




#7
1,4-Dithiane
Concen: 22.73 ug/mL m
RT: 5.04 min Scan# 190
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 46 Resp: 2889431

Ion	Ratio	Lower	Upper
46	100		
61	77.1	60.0	100.0
120	119.2	138.1	178.1#



Instrument :
BNA_J
LabSampleId :
CWA-6

Manual Integrations APPROVED
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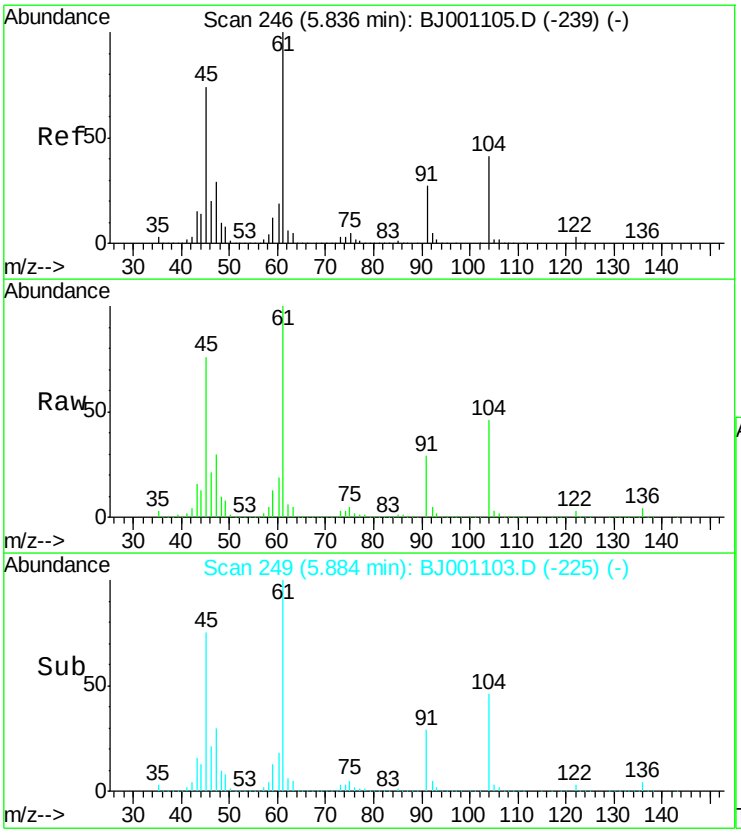
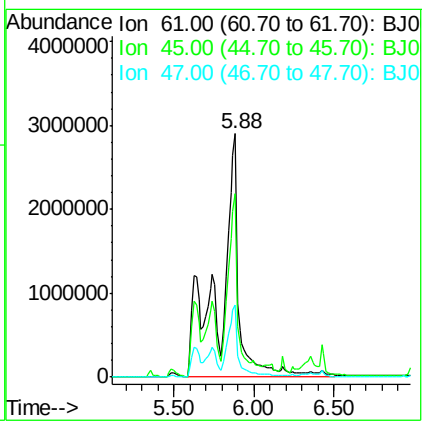
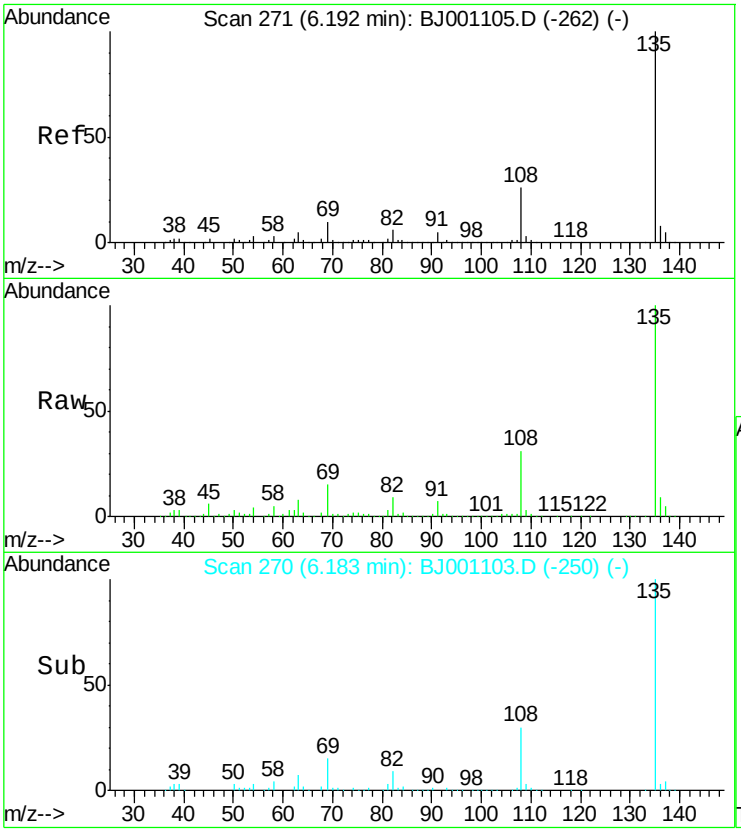


#8
Thiodiglycol
Concen: 225.13 ug/mL m
RT: 5.88 min Scan# 249
Delta R.T. 0.05 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 61 Resp:24319073

Ion	Ratio	Lower	Upper
61	100		
45	75.6	54.0	94.0
47	29.7	9.6	49.6

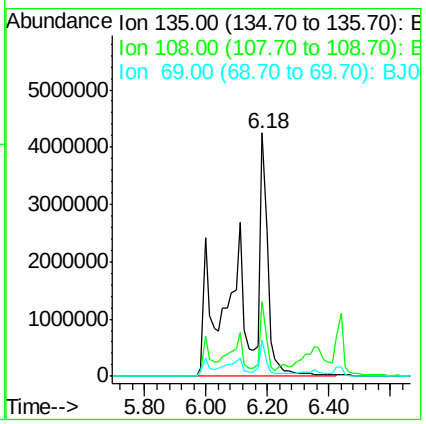




#9
Benzothiazole
Concen: 58.93 ug/mL m
RT: 6.18 min Scan# 270
Delta R.T. -0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:135 Resp:20554802

Ion	Ratio	Lower	Upper
135	100		
108	30.7	5.8	45.8
69	15.1	0.0	30.2



Instrument :
BNA_J
LabSampleId :
CWA-6

Manual Integrations APPROVED
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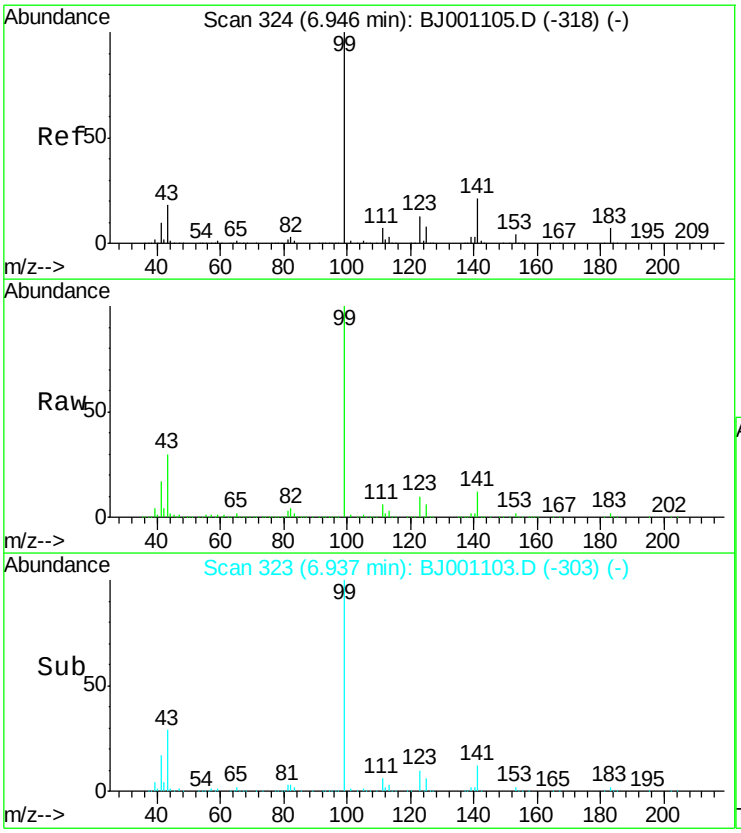
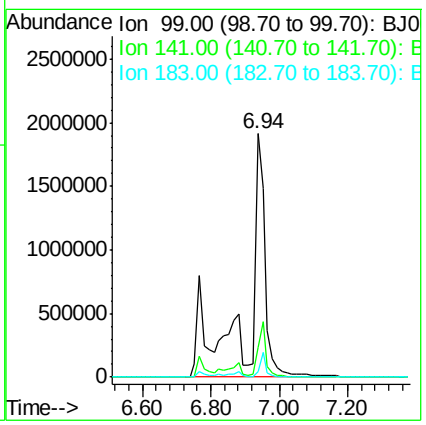
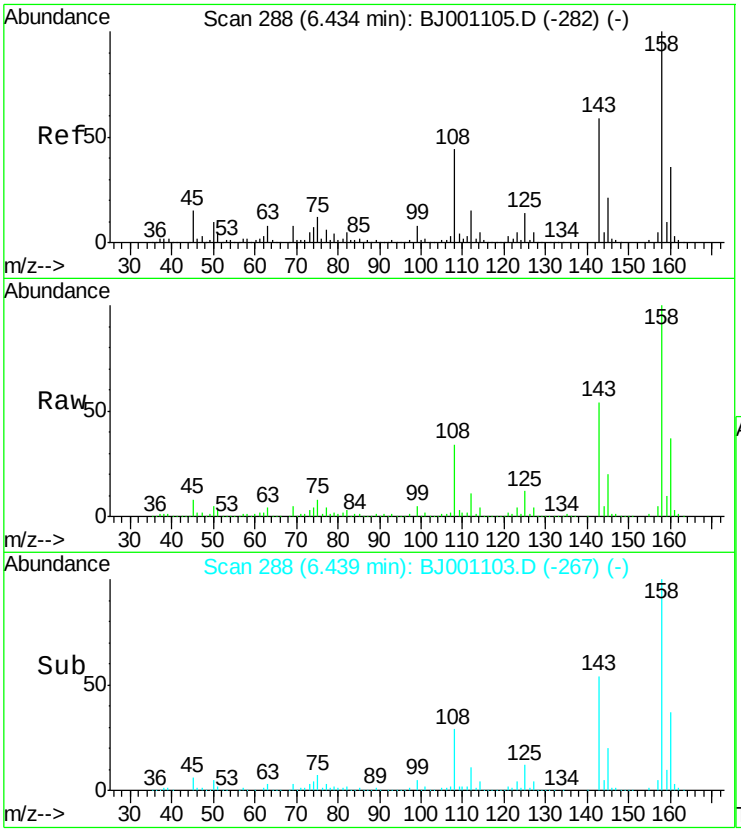


#10
Tripropylphosphate
Concen: 13.72 ug/mL m
RT: 6.94 min Scan# 323
Delta R.T. -0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion: 99 Resp: 6798926

Ion	Ratio	Lower	Upper
99	100		
141	10.6	16.0	24.0#
183	3.9	5.6	8.4#

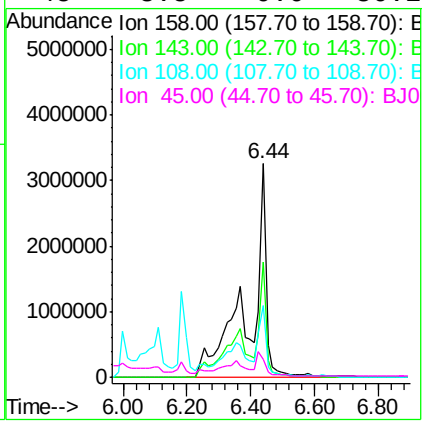




#11
p-Chlorophenylmethylsulfide
Concen: 54.57 ug/mL m
RT: 6.44 min Scan# 288
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:158 Resp:11666304

Ion	Ratio	Lower	Upper
158	100		
143	54.2	39.2	79.2
108	33.8	24.9	64.9
45	8.5	0.0	36.2



Instrument :
BNA_J
LabSampleId :
CWA-6

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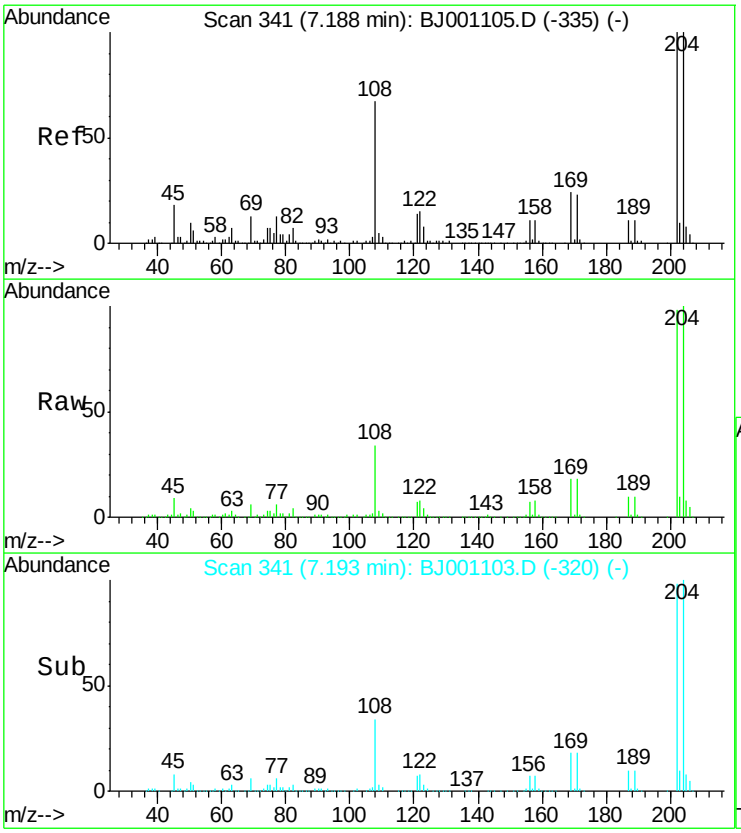
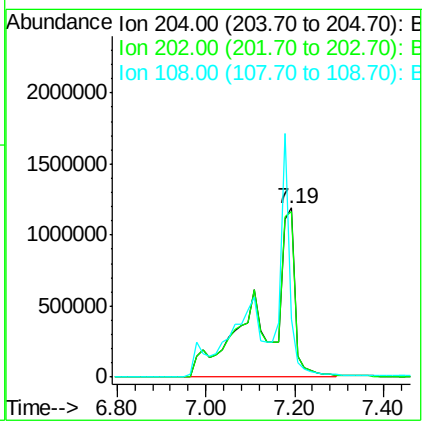
9/20/2012 5:29:16 AM

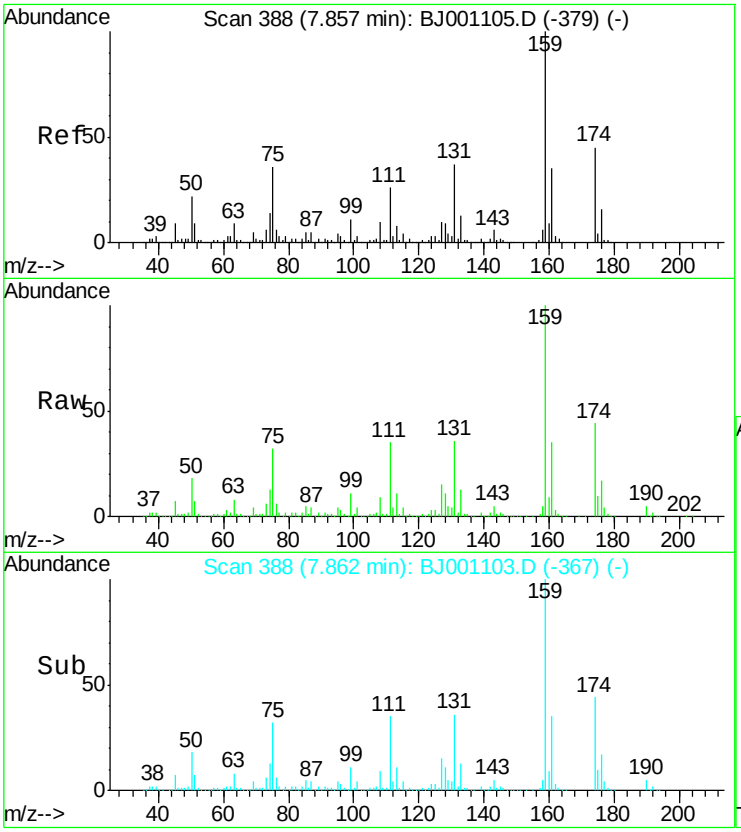


#12
2-Bromothioanisole
Concen: 52.60 ug/mL m
RT: 7.19 min Scan# 341
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:204 Resp: 5565971

Ion	Ratio	Lower	Upper
204	100		
202	97.8	79.8	119.8
108	34.3	47.7	87.7#

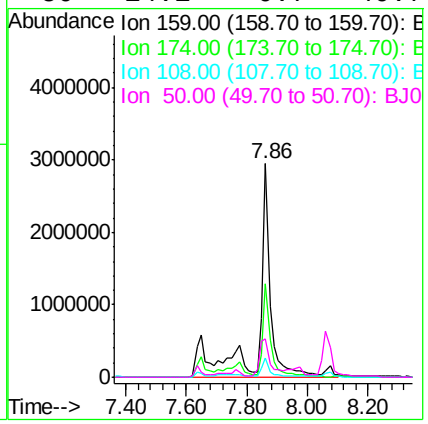




#13
p-Chlorophenylmethylsulfoxide
Concen: 52.58 ug/mL m
RT: 7.86 min Scan# 388
Delta R.T. 0.01 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:159 Resp: 8750485

Ion	Ratio	Lower	Upper
159	100		
174	27.7	27.2	67.2
108	5.7	0.0	29.4
50	14.1	0.7	40.7



Instrument :
BNA_J
LabSampleId :
CWA-6

Manual Integrations APPROVED
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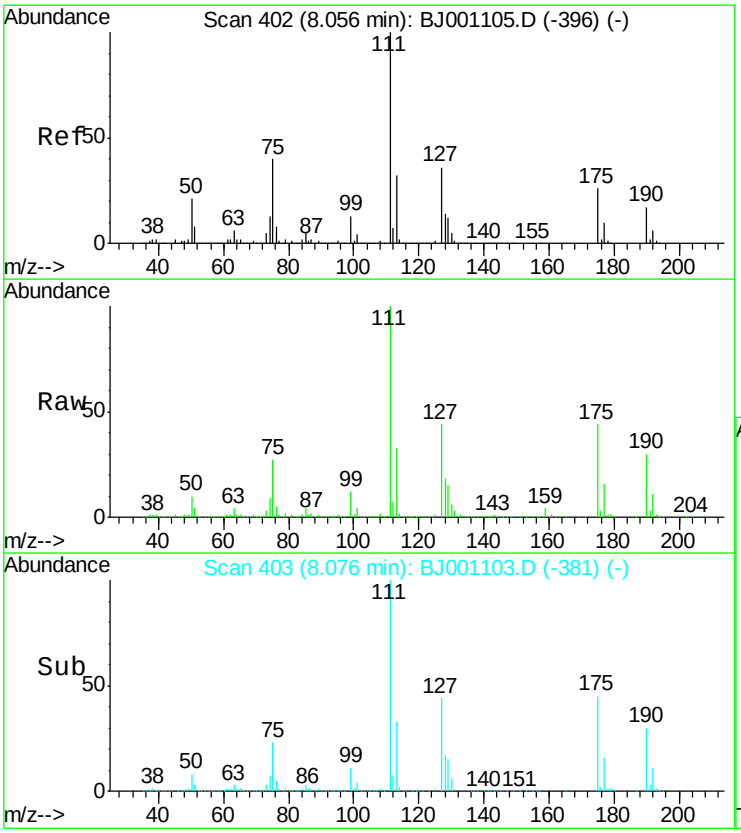
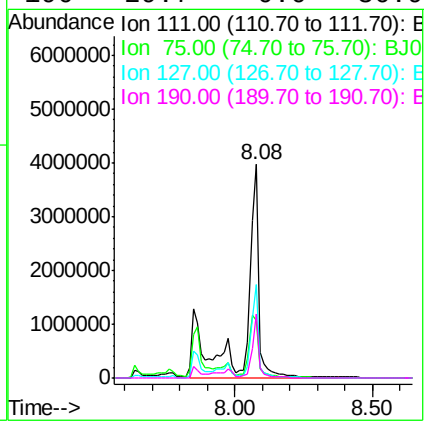
9/20/2012 5:29:16 AM



#14
p-Chlorophenylmethylsulfone
Concen: 62.78 ug/mL m
RT: 8.08 min Scan# 403
Delta R.T. 0.02 min
Lab File: BJ001103.D
Acq: 11 Sep 2012 13:16

Tgt Ion:111 Resp:13387157

Ion	Ratio	Lower	Upper
111	100		
75	26.7	21.3	61.3
127	43.9	16.0	56.0
190	29.7	0.0	36.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001103.D
Acq On : 11 Sep 2012 13:16
Operator : HLM
Sample : CWA-6
Misc : CWA STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_J
LabSampleId :
CWA-6

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:16 AM

Quant Time: Sep 20 04:55:44 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ091112.M
Quant Title : CWA degredation products by GCMS
QLast Update : Tue Sep 11 15:29:36 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.56	152	330635m	2.00	ug/mL	-0.04
6) Naphthalene-d8	5.90	136	1354023m	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.94	99	6798926m	13.72	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 2744.00%#			
12) 2-Bromothioanisole	7.19	204	5565971m	52.60	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 1052.00%#			
Target Compounds						Qvalue
2) Dimethyl Disulfide	2.47	94	2535886m	20.50	ug/mL	
3) DMMP	3.46	79	1392082	9.35	ug/mL	93
4) DIMP	4.89	97	3527111m	11.42	ug/mL	
5) 1,4-Oxathiane	3.59	46	3122732	20.29	ug/mL	94
7) 1,4-Dithiane	5.04	46	2889431m	22.73	ug/mL	
8) Thiodiglycol	5.88	61	24319073m	225.13	ug/mL	
9) Benzothiazole	6.18	135	20554802m	58.93	ug/mL	
11) p-Chlorophenylmethylsulfid	6.44	158	11666304m	54.57	ug/mL	
13) p-Chlorophenylmethylsulfox	7.86	159	8750485m	52.58	ug/mL	
14) p-Chlorophenylmethylsulfon	8.08	111	13387157m	62.78	ug/mL	

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