Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001106.D
Acq On : 11 Sep 2012 14:09
Operator : HLM
Sample : CWA-3
Misc : CWA STD BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 04:56:23 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-3

Manual Integrations APPROVED
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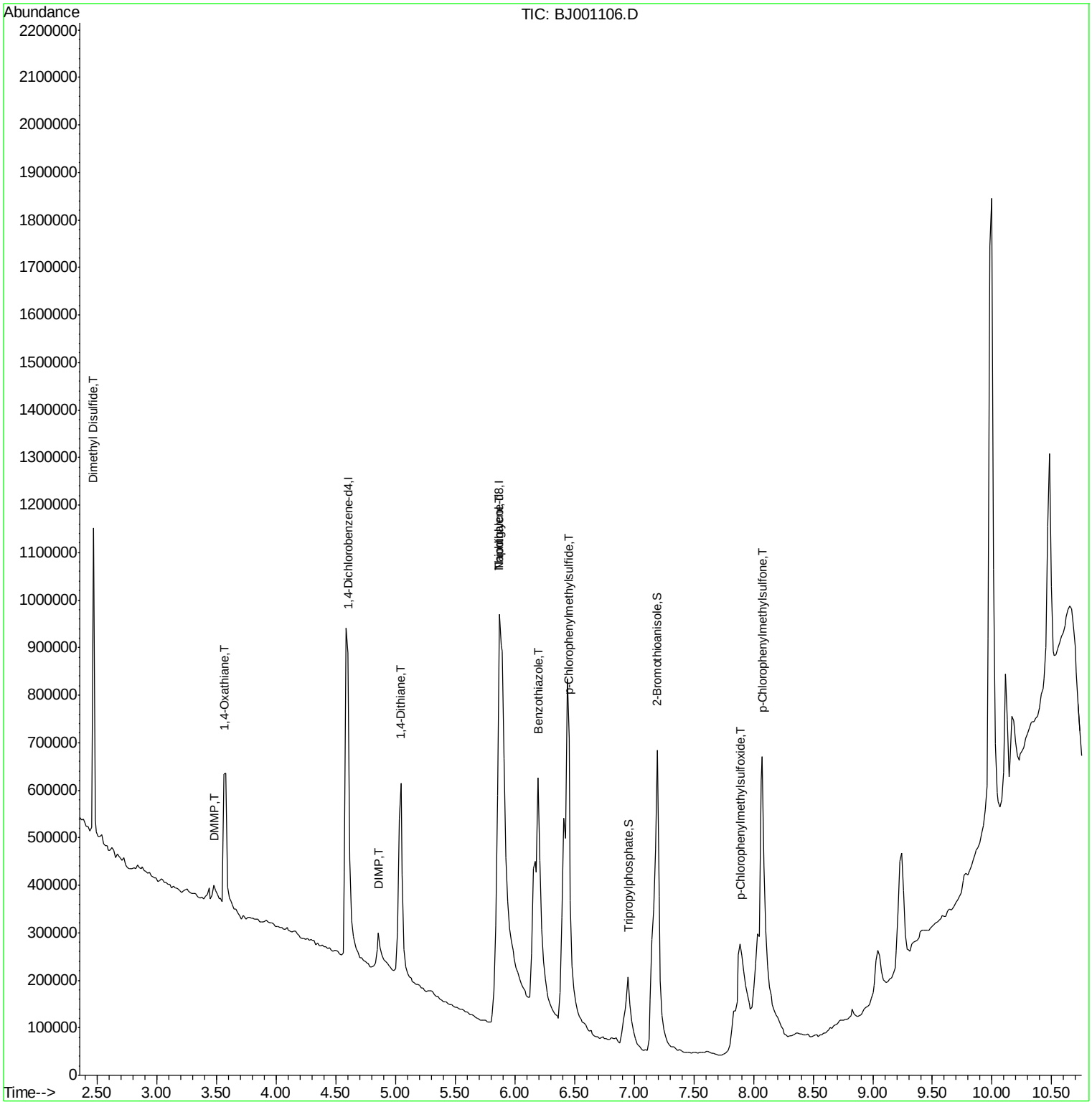
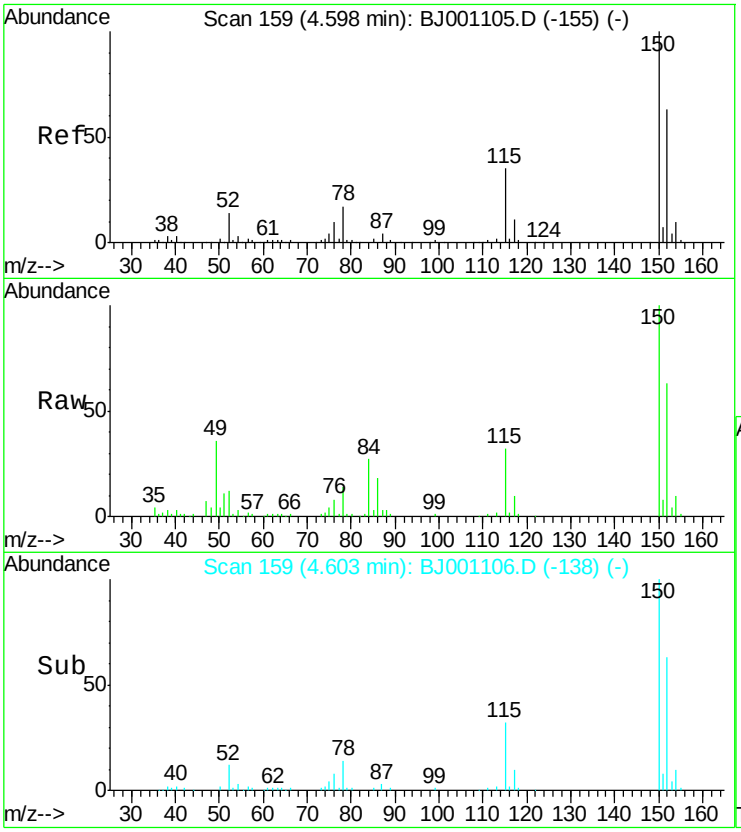
9/20/2012 5:29:22 AM





#1
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:152 Resp: 322398

Ion	Ratio	Lower	Upper
152	100		
115	51.3	35.3	75.3

Instrument :
BNA_J
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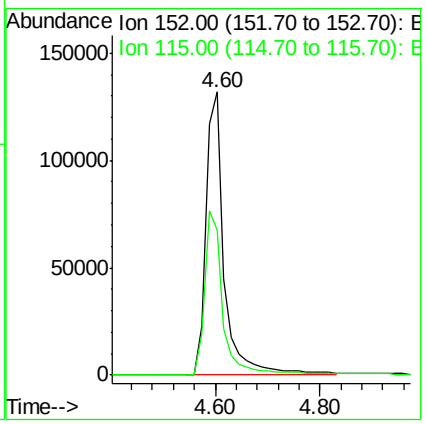
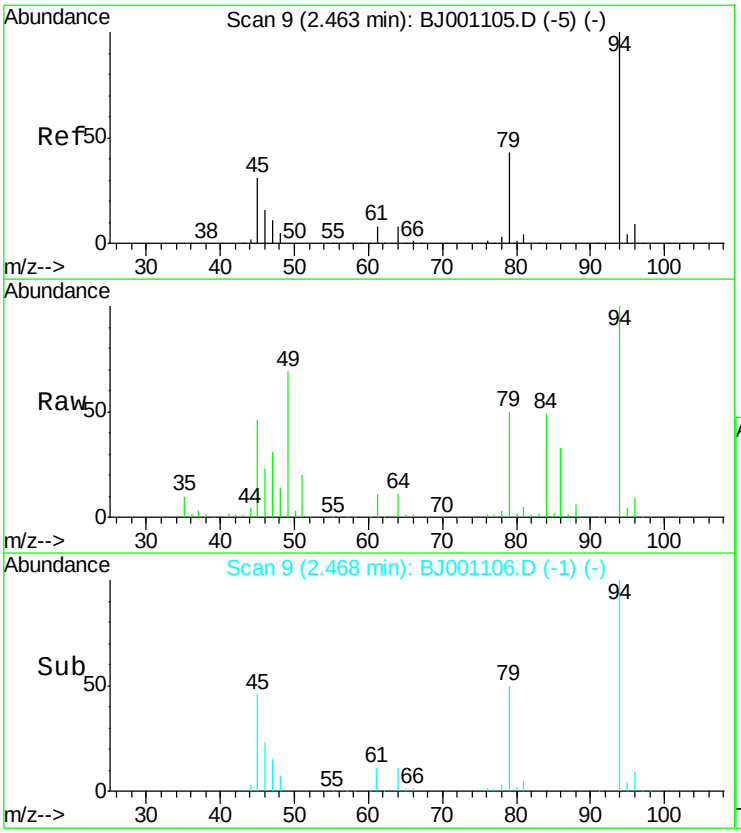
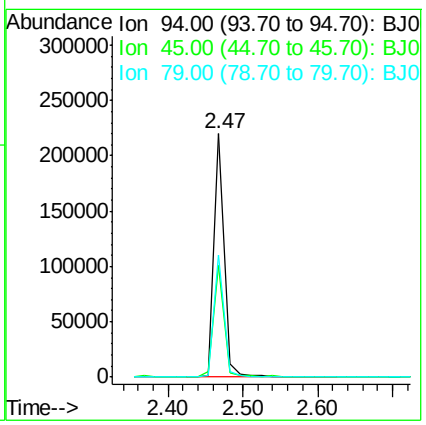


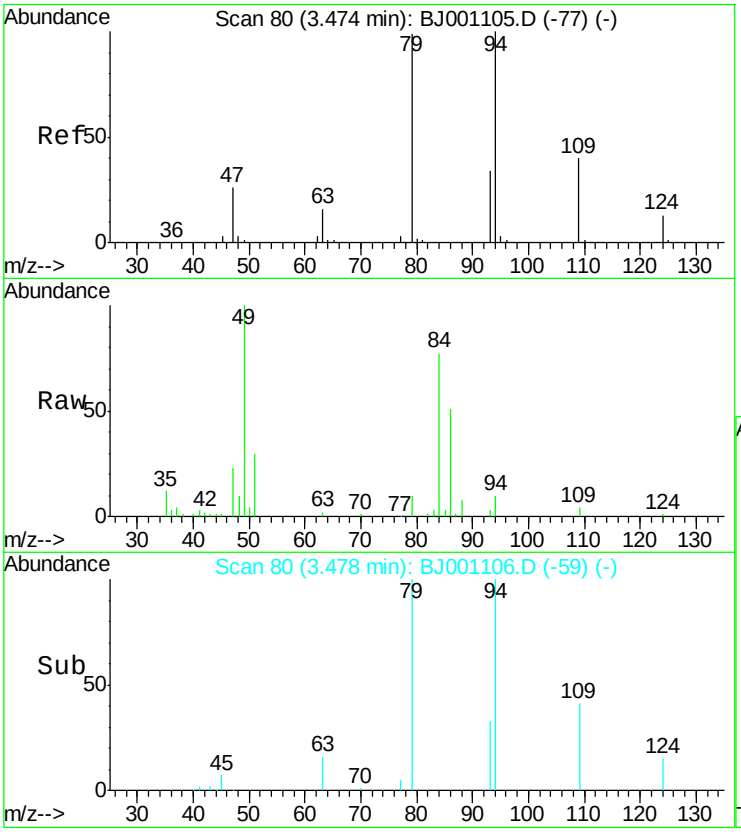


#2
Dimethyl Disulfide
Concen: 1.71 ug/mL
RT: 2.47 min Scan# 9
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 94 Resp: 206079

Ion	Ratio	Lower	Upper
94	100		
45	46.0	12.7	52.7
79	50.1	22.9	62.9

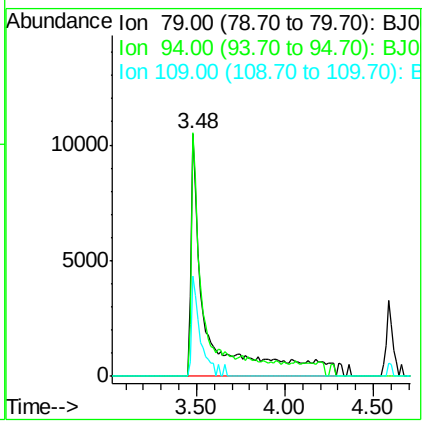




#3
DMMP
Concen: 0.44 ug/mL m
RT: 3.48 min Scan# 80
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 79 Resp: 64119

Ion	Ratio	Lower	Upper
79	100		
94	100.4	80.9	120.9
109	41.4	20.3	60.3



Instrument :
BNA_J
LabSampleId :
CWA-3

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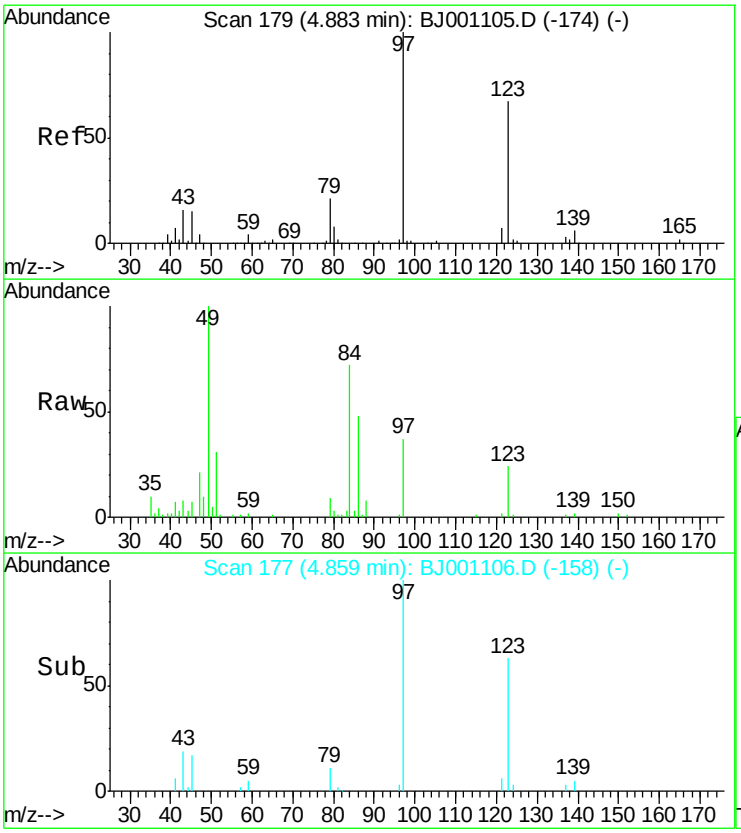
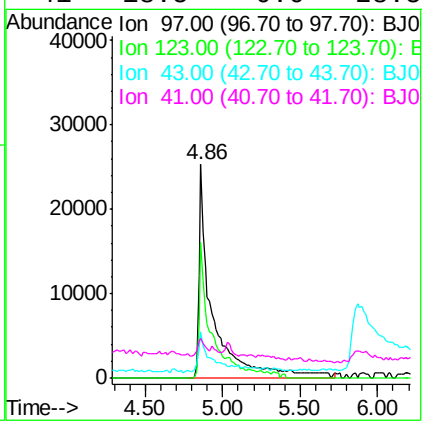
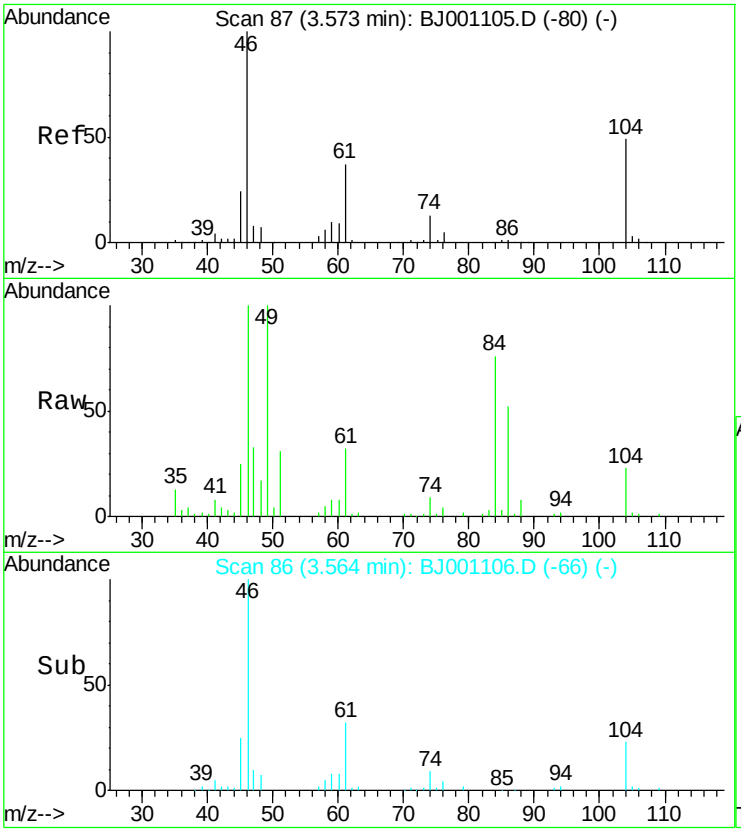


#4
DIMP
Concen: 0.54 ug/mL m
RT: 4.86 min Scan# 177
Delta R.T. -0.02 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 97 Resp: 155105

Ion	Ratio	Lower	Upper
97	100		
123	63.2	47.2	87.2
43	21.8	0.0	36.5
41	18.5	0.0	28.5

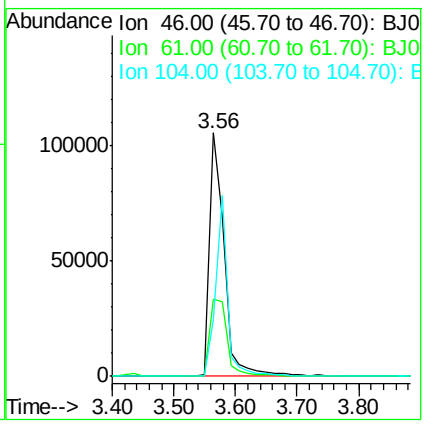




#5
1,4-Oxathiane
Concen: 1.15 ug/mL
RT: 3.56 min Scan# 86
Delta R.T. -0.01 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 46 Resp: 172992

Ion	Ratio	Lower	Upper
46	100		
61	31.9	17.1	57.1
104	23.4	29.3	69.3#



Instrument :
BNA_J
LabSampleId :
CWA-3

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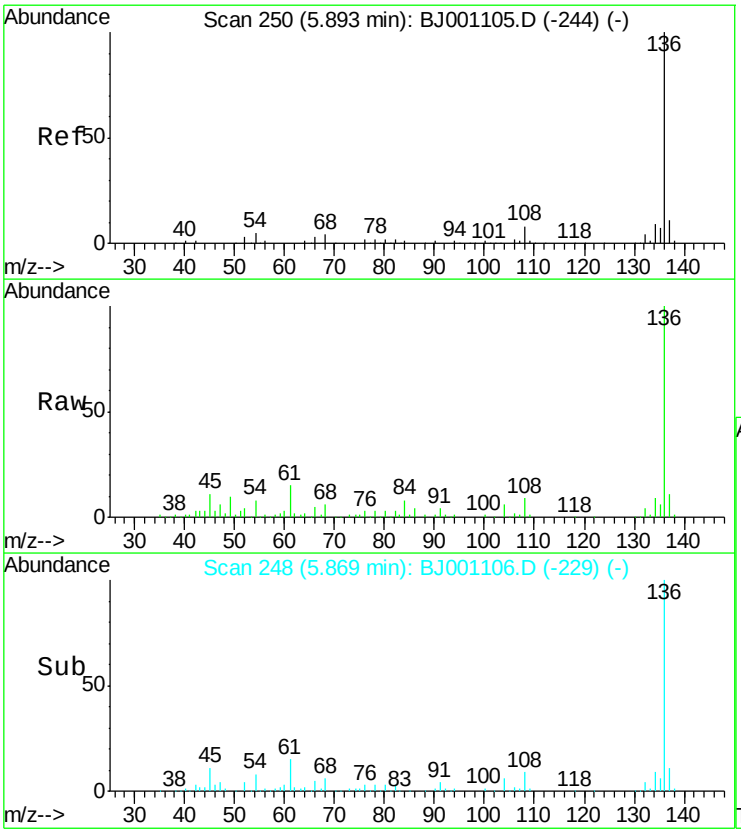
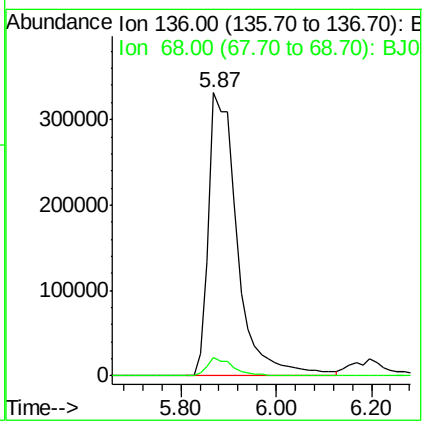
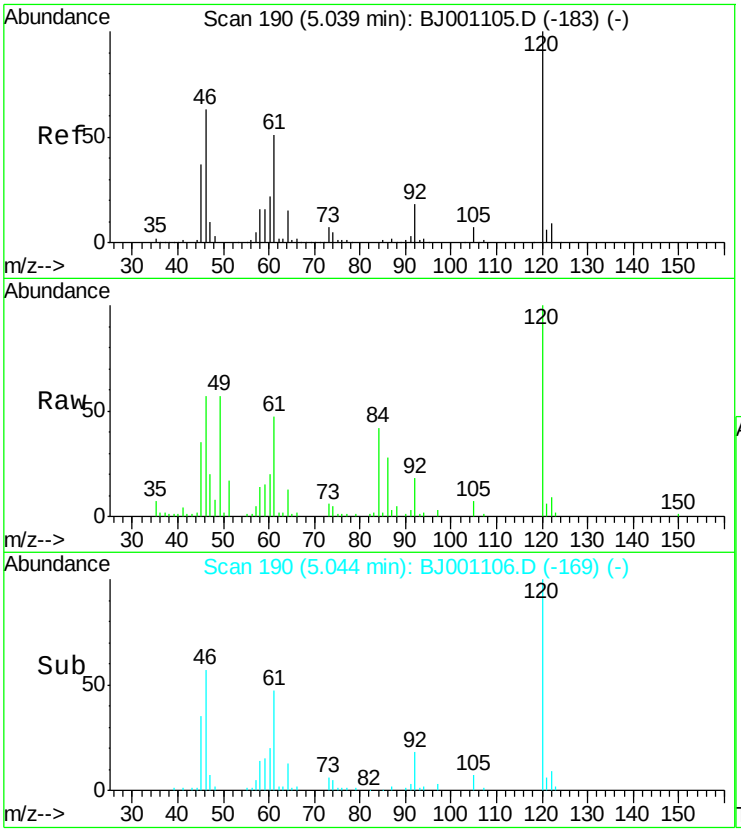


#6
Naphthalene-d8
Concen: 2.00 ug/mL
RT: 5.87 min Scan# 248
Delta R.T. -0.02 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:136 Resp: 1392134

Ion	Ratio	Lower	Upper
136	100		
68	6.4	0.0	24.4

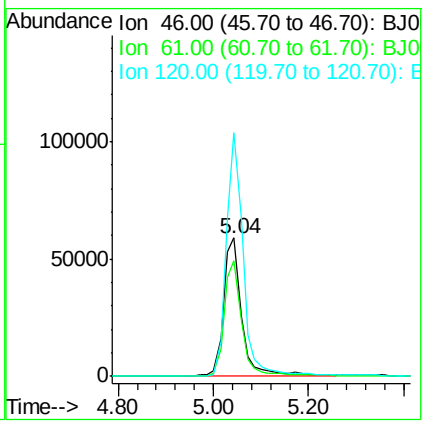




#7
1,4-Dithiane
Concen: 1.21 ug/mL
RT: 5.04 min Scan# 190
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 46 Resp: 158557

Ion	Ratio	Lower	Upper
46	100		
61	83.3	60.0	100.0
120	175.9	138.1	178.1



Instrument :
BNA_J
LabSampleId :
CWA-3

Manual Integrations APPROVED
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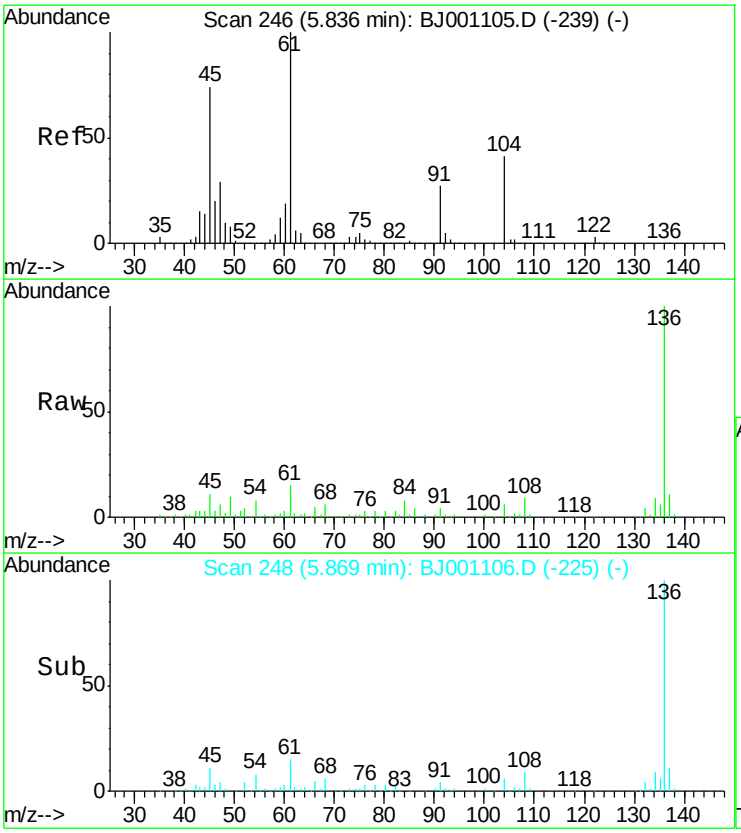
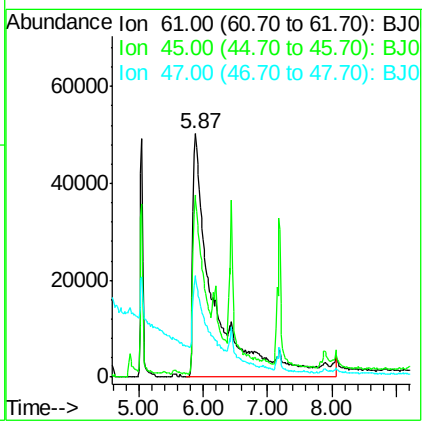
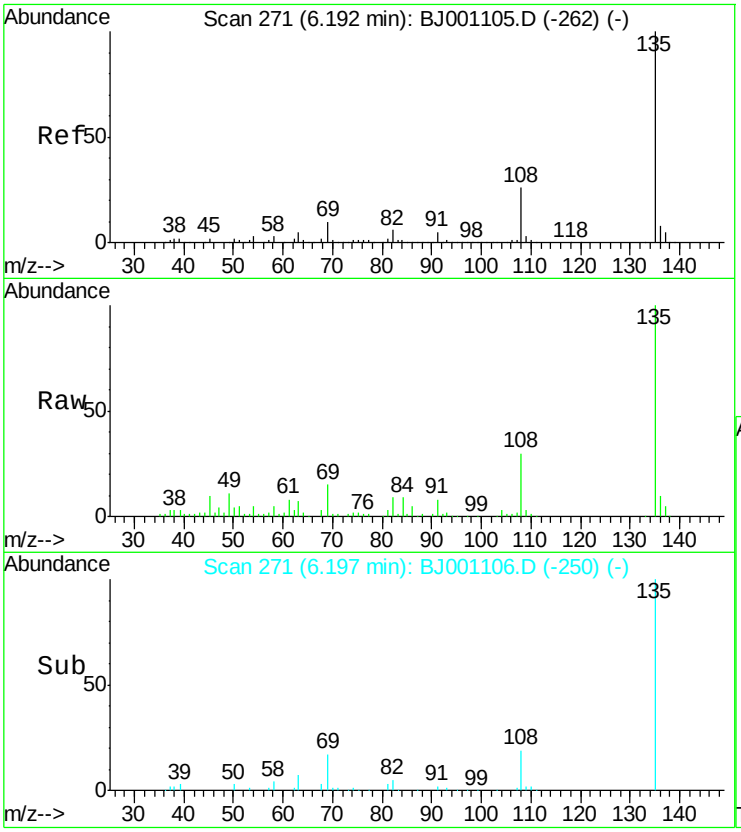


#8
Thiodiglycol
Concen: 10.44 ug/mL m
RT: 5.87 min Scan# 248
Delta R.T. 0.03 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 61 Resp: 1159322

Ion	Ratio	Lower	Upper
61	100		
45	74.7	54.0	94.0
47	41.9	9.6	49.6

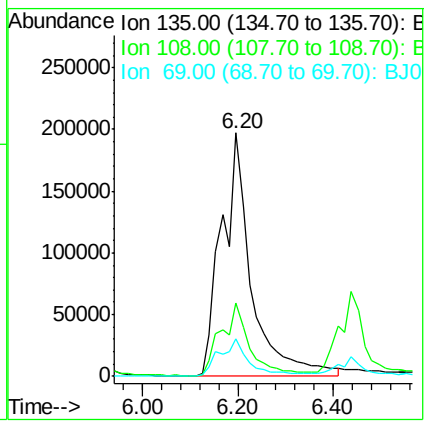




#9
Benzothiazole
Concen: 2.35 ug/mL
RT: 6.20 min Scan# 271
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:135 Resp: 844076

Ion	Ratio	Lower	Upper
135	100		
108	30.3	5.8	45.8
69	15.2	0.0	30.2



Instrument :
BNA_J
LabSampleId :
CWA-3

Manual Integrations APPROVED
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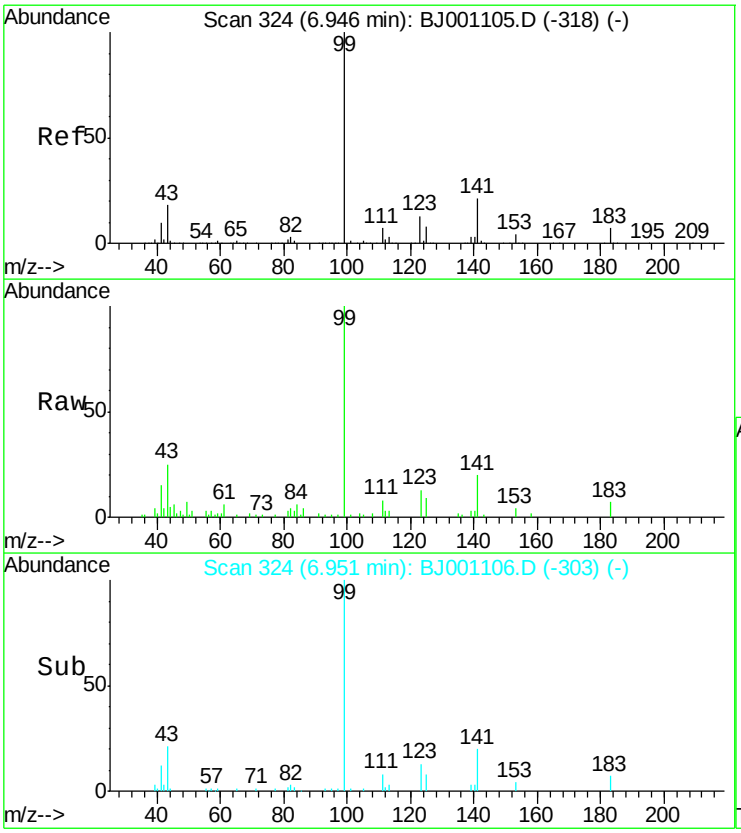
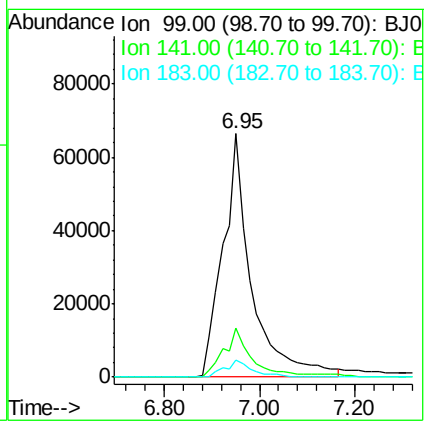
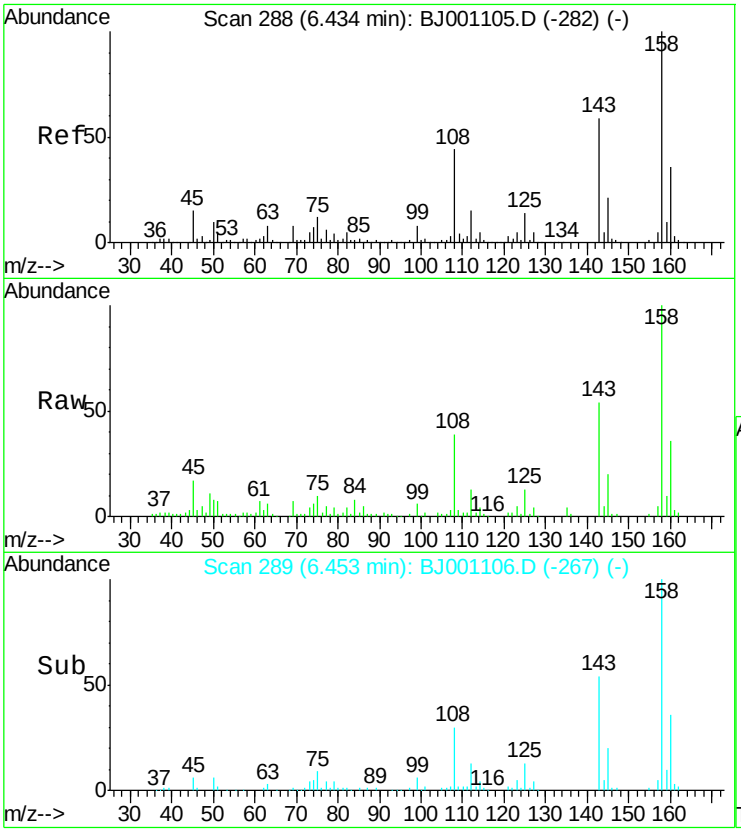


#10
Tripropylphosphate
Concen: 0.54 ug/mL
RT: 6.95 min Scan# 324
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion: 99 Resp: 276972

Ion	Ratio	Lower	Upper
99	100		
141	20.2	16.0	24.0
183	6.4	5.6	8.4

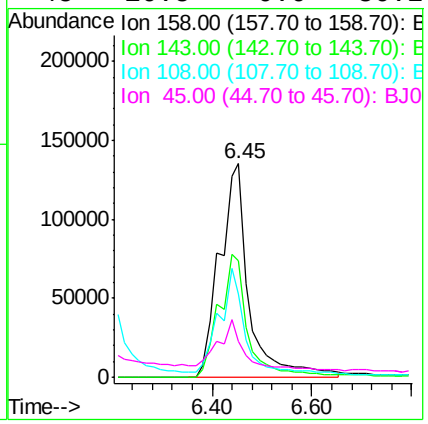




#11
p-Chlorophenylmethylsulfide
Concen: 2.51 ug/mL
RT: 6.45 min Scan# 289
Delta R.T. 0.02 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:158 Resp: 550652

Ion	Ratio	Lower	Upper
158	100		
143	54.4	39.2	79.2
108	39.3	24.9	64.9
45	16.5	0.0	36.2



Instrument :
BNA_J
LabSampleId :
CWA-3

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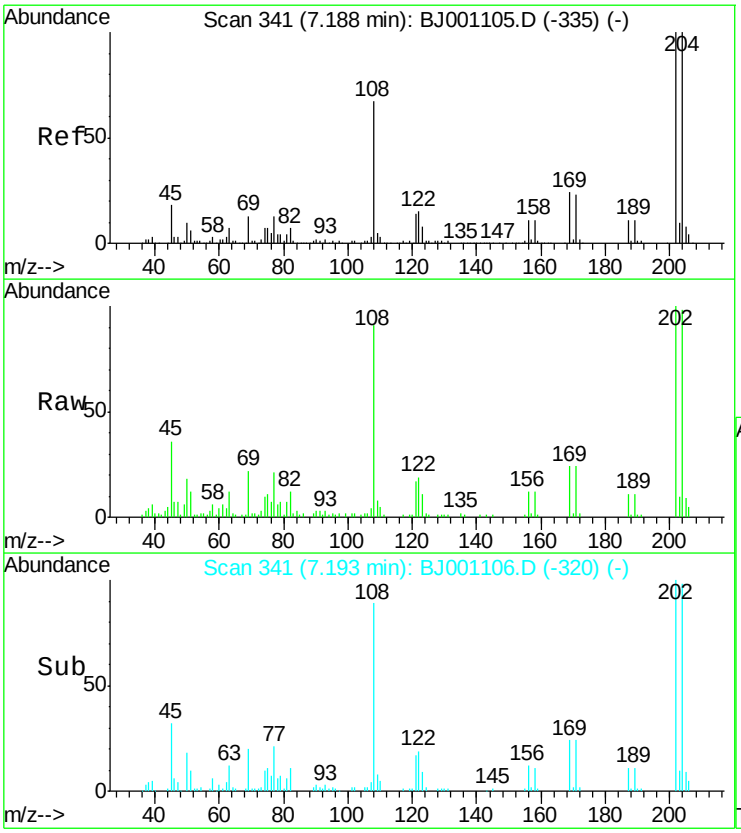
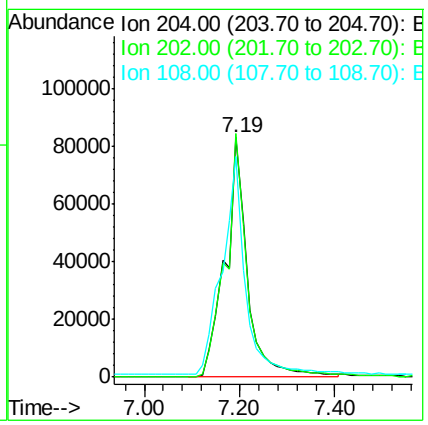
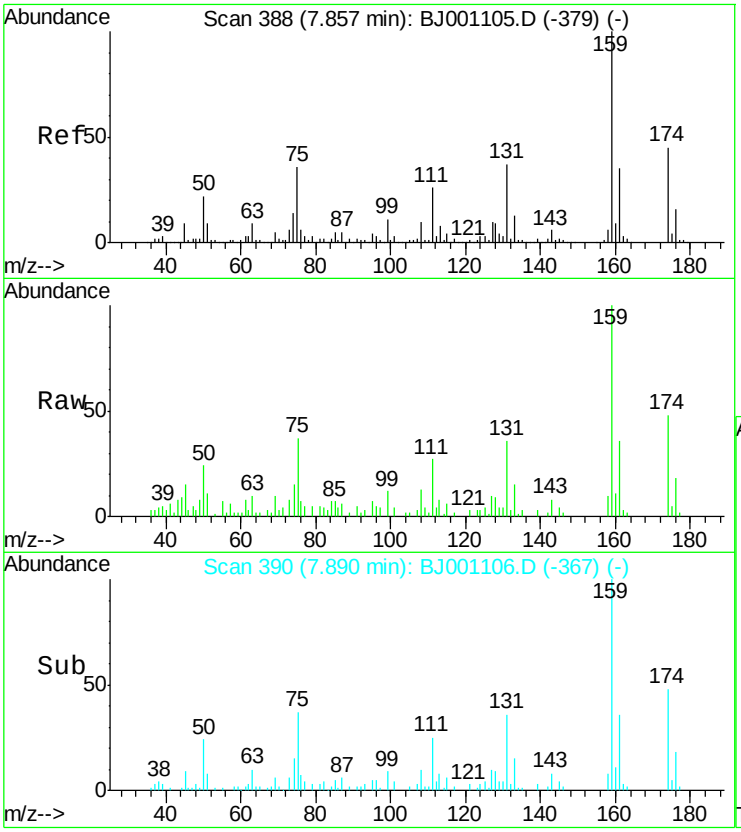


#12
2-Bromothioanisole
Concen: 2.46 ug/mL
RT: 7.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:204 Resp: 267763

Ion	Ratio	Lower	Upper
204	100		
202	101.6	79.8	119.8
108	92.2	47.7	87.7#

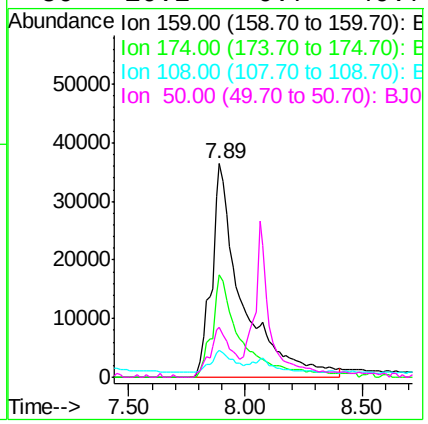




#13
p-Chlorophenylmethylsulfoxide
Concen: 2.64 ug/mL m
RT: 7.89 min Scan# 390
Delta R.T. 0.03 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:159 Resp: 331183

Ion	Ratio	Lower	Upper
159	100		
174	37.6	27.2	67.2
108	7.5	0.0	29.4
50	16.2	0.7	40.7



Instrument :
BNA_J
LabSampleId :
CWA-3

Manual Integrations APPROVED
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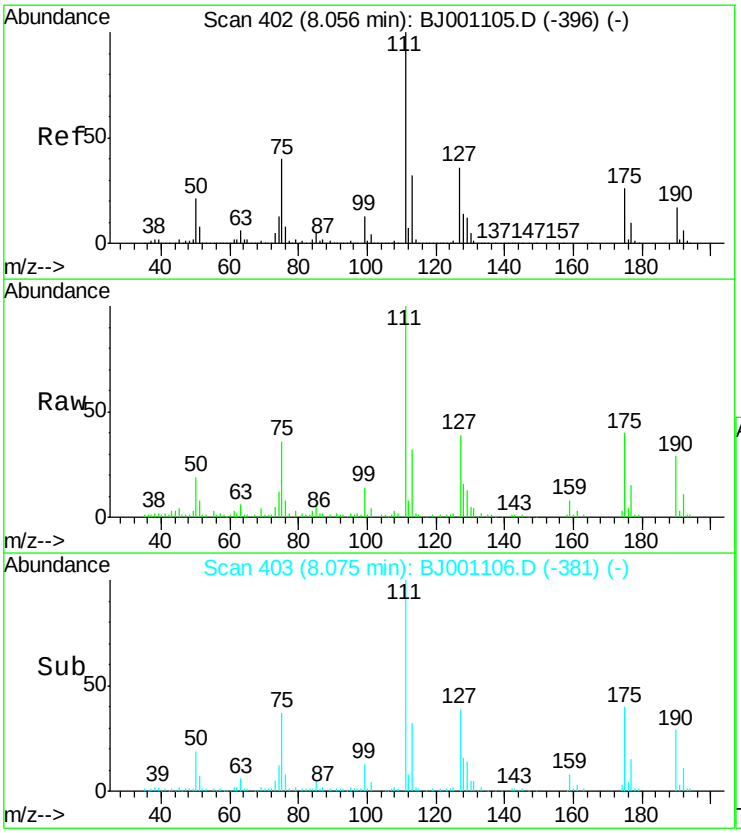
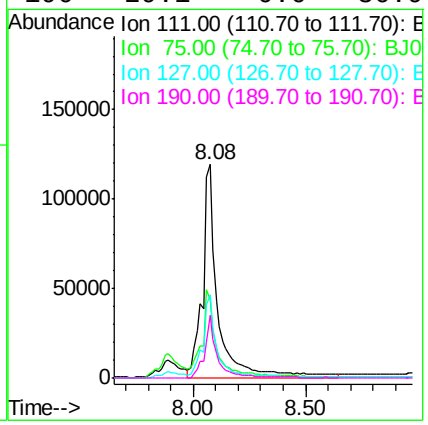


#14
p-Chlorophenylmethylsulfone
Concen: 2.64 ug/mL m
RT: 8.08 min Scan# 403
Delta R.T. 0.02 min
Lab File: BJ001106.D
Acq: 11 Sep 2012 14:09

Tgt Ion:111 Resp: 578023

Ion	Ratio	Lower	Upper
111	100		
75	36.4	21.3	61.3
127	38.8	16.0	56.0
190	29.1	0.0	36.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001106.D
Acq On : 11 Sep 2012 14:09
Operator : HLM
Sample : CWA-3
Misc : CWA STD BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_J
LabSampleId : CWA-3

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:22 AM

Quant Time: Sep 20 04:56:23 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	4.60	152	322398	2.00	ug/mL	0.00
6) Naphthalene-d8	5.87	136	1392134	2.00	ug/mL	-0.02
System Monitoring Compounds						
10) Tripropylphosphate	6.95	99	276972	0.54	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 108.00%			
12) 2-Bromothioanisole	7.19	204	267763	2.46	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 49.20%#			
Target Compounds						Qvalue
2) Dimethyl Disulfide	2.47	94	206079	1.71	ug/mL	83
3) DMMP	3.48	79	64119m	0.44	ug/mL	
4) DIMP	4.86	97	155105m	0.54	ug/mL	
5) 1,4-Oxathiane	3.56	46	172992	1.15	ug/mL#	75
7) 1,4-Dithiane	5.04	46	158557	1.21	ug/mL	90
8) Thiodiglycol	5.87	61	1159322m	10.44	ug/mL	
9) Benzothiazole	6.20	135	844076	2.35	ug/mL	90
11) p-Chlorophenylmethylsulfid	6.45	158	550652	2.51	ug/mL	94
13) p-Chlorophenylmethylsulfox	7.89	159	331183m	2.64	ug/mL	
14) p-Chlorophenylmethylsulfon	8.08	111	578023m	2.64	ug/mL	

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