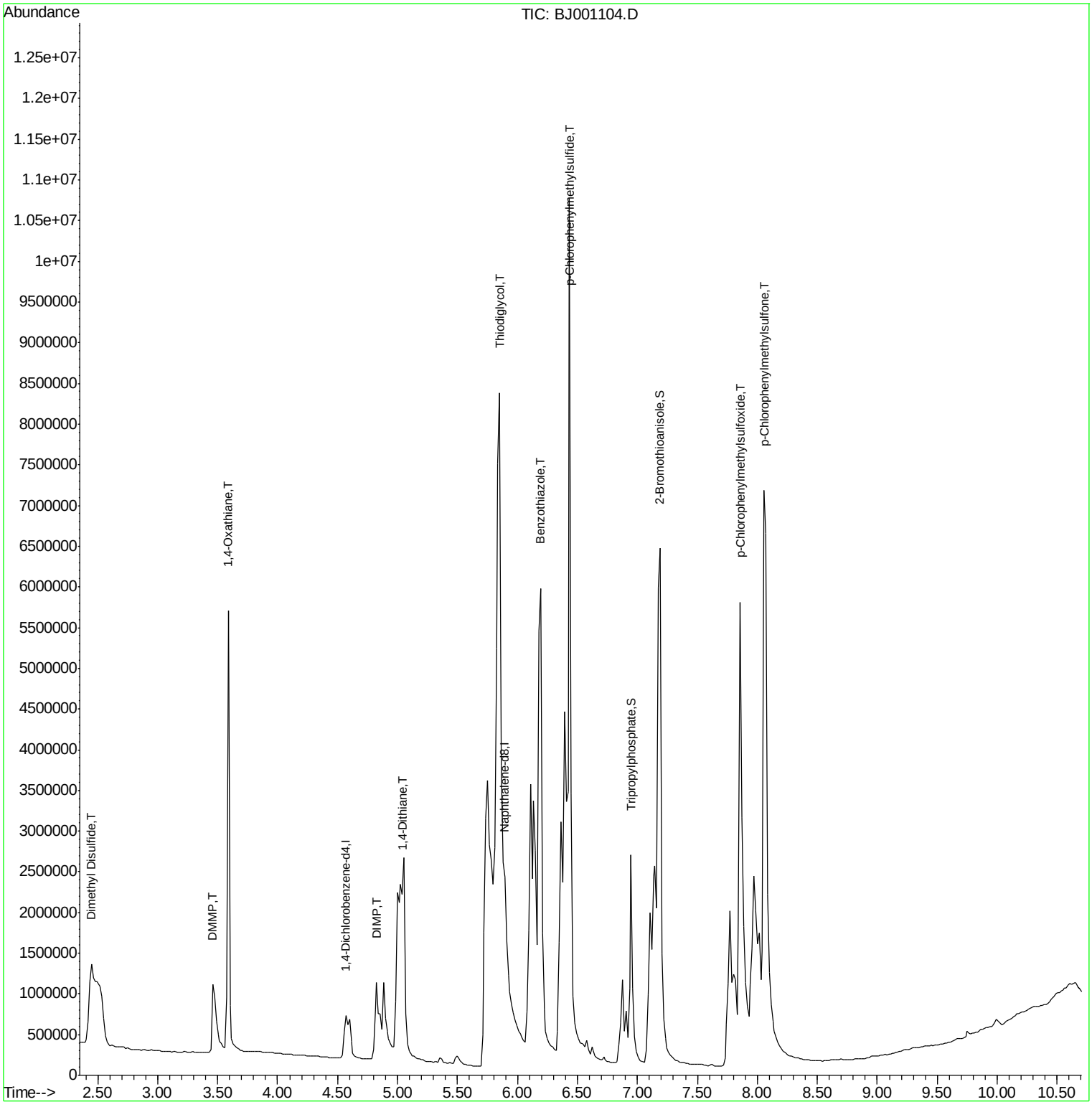
Quantitation Report (QT Reviewed)

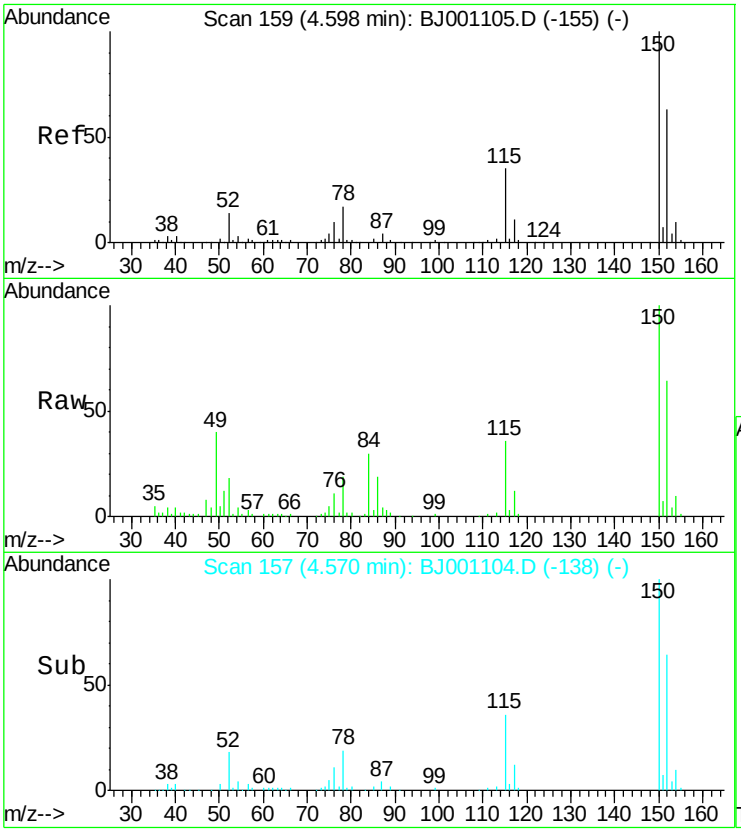
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001104.D
Acq On : 11 Sep 2012 13:34
Operator : HLM
Sample : CWA-5
Misc : CWA STD BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 20 04:55:52 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-5

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:19 AM





#1
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.57 min Scan# 157
Delta R.T. -0.03 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:152 Resp: 345672

Ion	Ratio	Lower	Upper
152	100		
115	56.4	35.3	75.3

Instrument :
BNA_J
LabSampleId :
CWA-5

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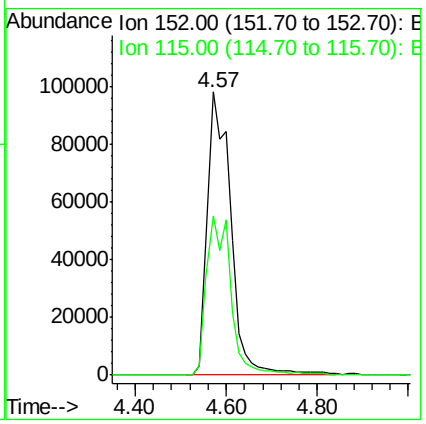
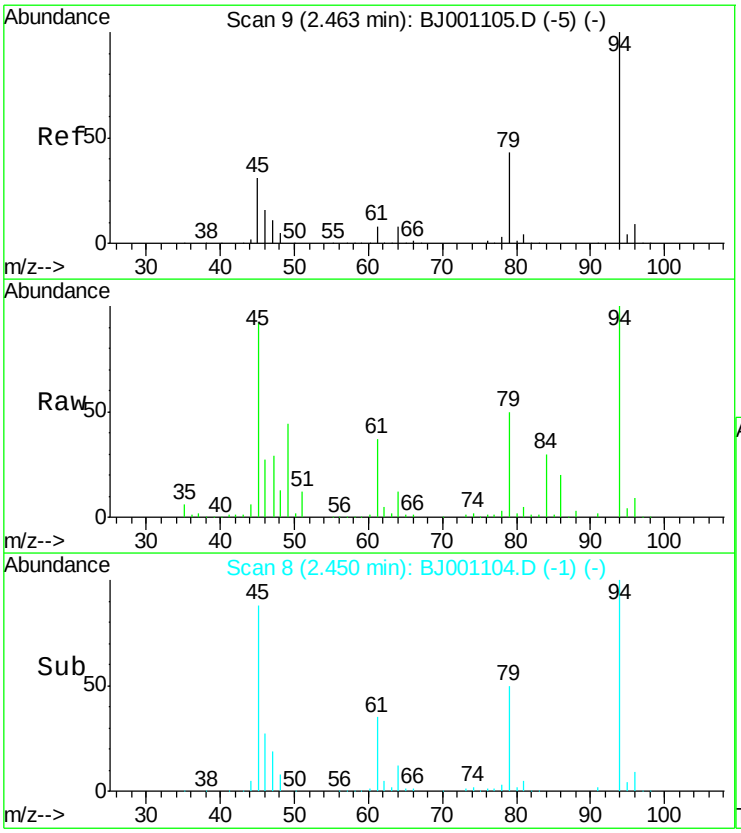
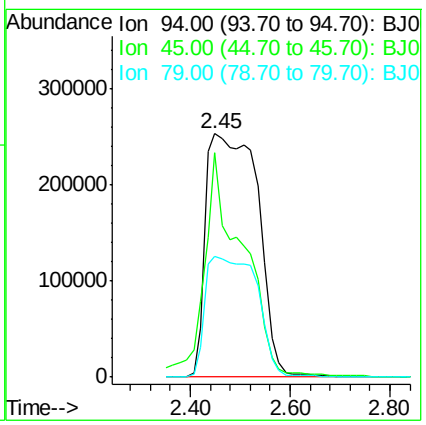


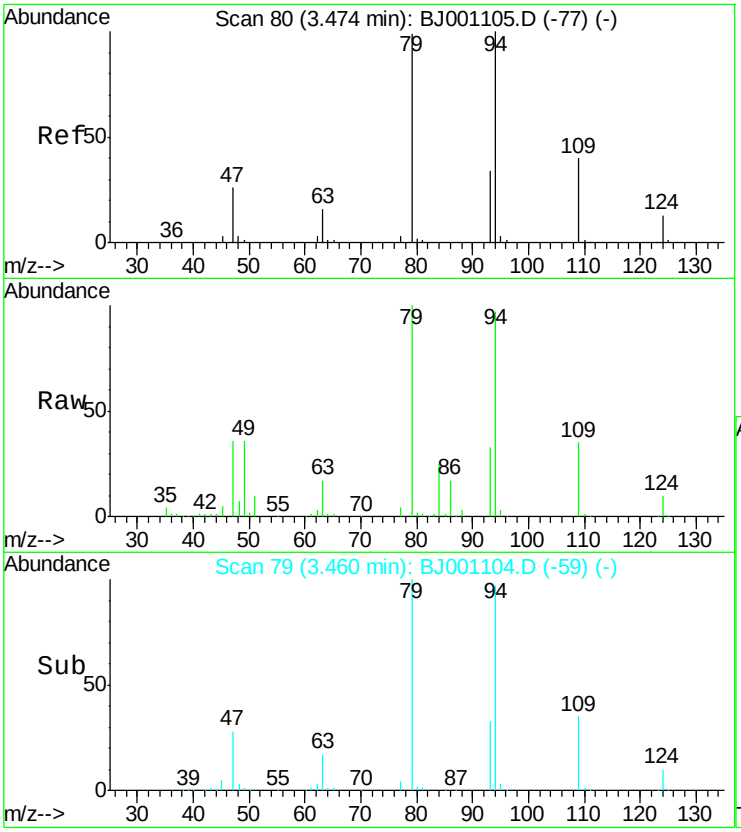


#2
Dimethyl Disulfide
Concen: 14.13 ug/mL
RT: 2.45 min Scan# 8
Delta R.T. -0.01 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 94 Resp: 1827120

Ion	Ratio	Lower	Upper
94	100		
45	92.3	12.7	52.7#
79	49.5	22.9	62.9

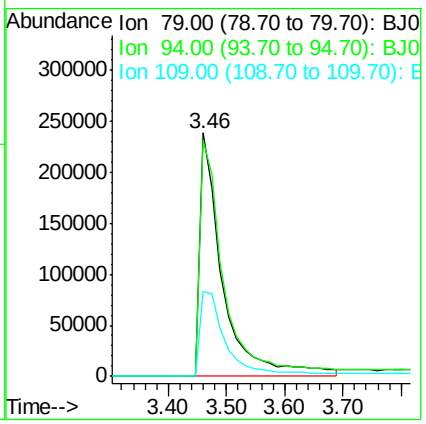




#3
DMMP
Concen: 4.18 ug/mL
RT: 3.46 min Scan# 79
Delta R.T. -0.01 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 79 Resp: 650490

Ion	Ratio	Lower	Upper
79	100		
94	96.9	80.9	120.9
109	34.8	20.3	60.3



Instrument :
BNA_J
LabSampleId :
CWA-5

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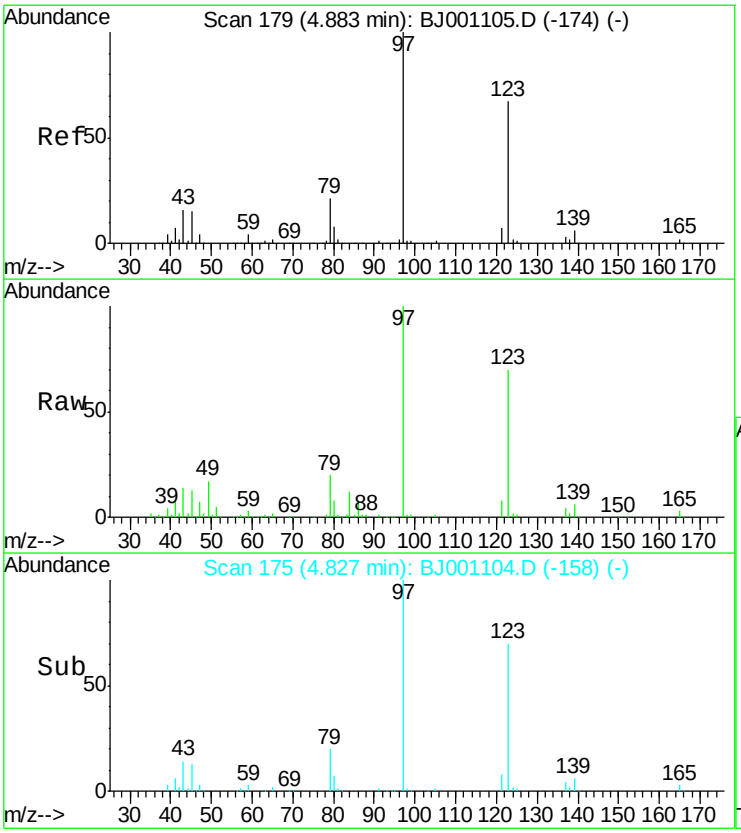
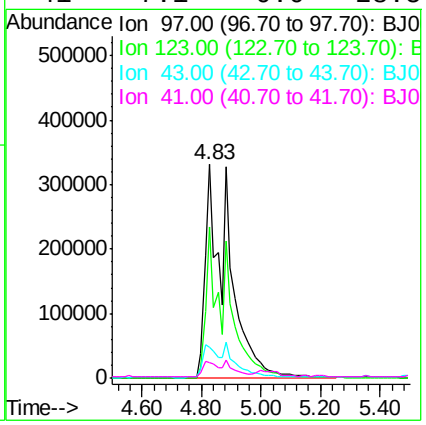
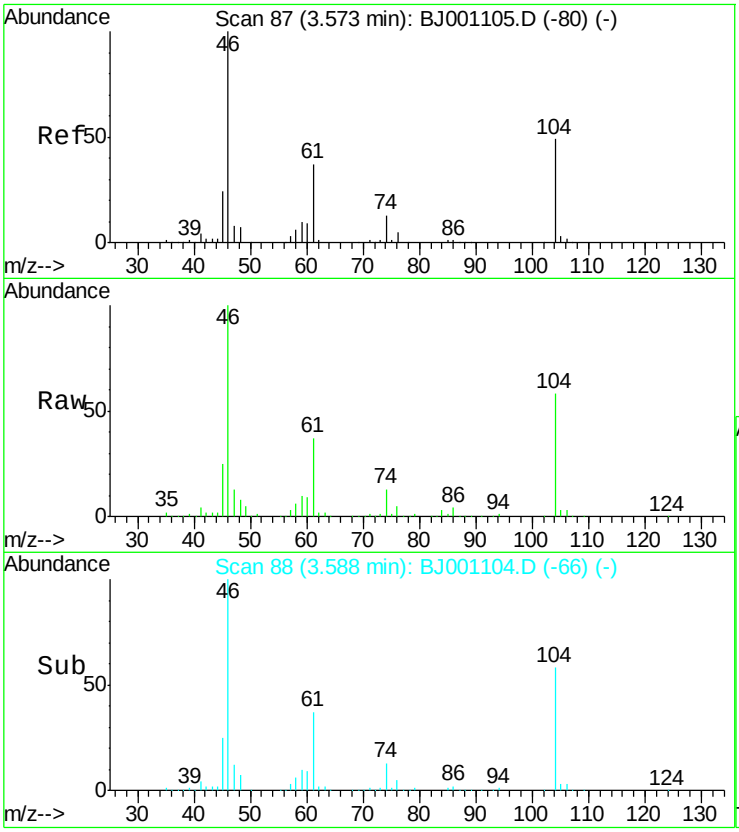


#4
DIMP
Concen: 5.54 ug/mL m
RT: 4.83 min Scan# 175
Delta R.T. -0.06 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 97 Resp: 1785484

Ion	Ratio	Lower	Upper
97	100		
123	70.5	47.2	87.2
43	14.1	0.0	36.5
41	7.1	0.0	28.5

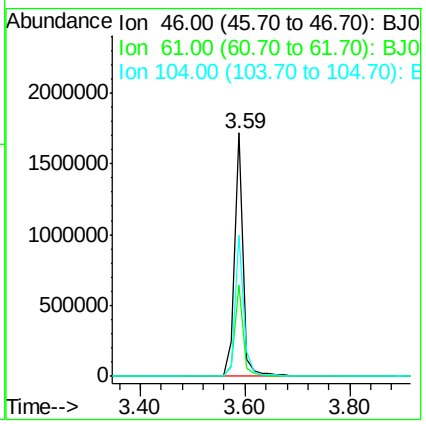




#5
1,4-Oxathiane
Concen: 11.78 ug/mL
RT: 3.59 min Scan# 88
Delta R.T. 0.02 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 46 Resp: 1895441

Ion	Ratio	Lower	Upper
46	100		
61	37.3	17.1	57.1
104	57.8	29.3	69.3



Instrument :
BNA_J
LabSampleId :
CWA-5

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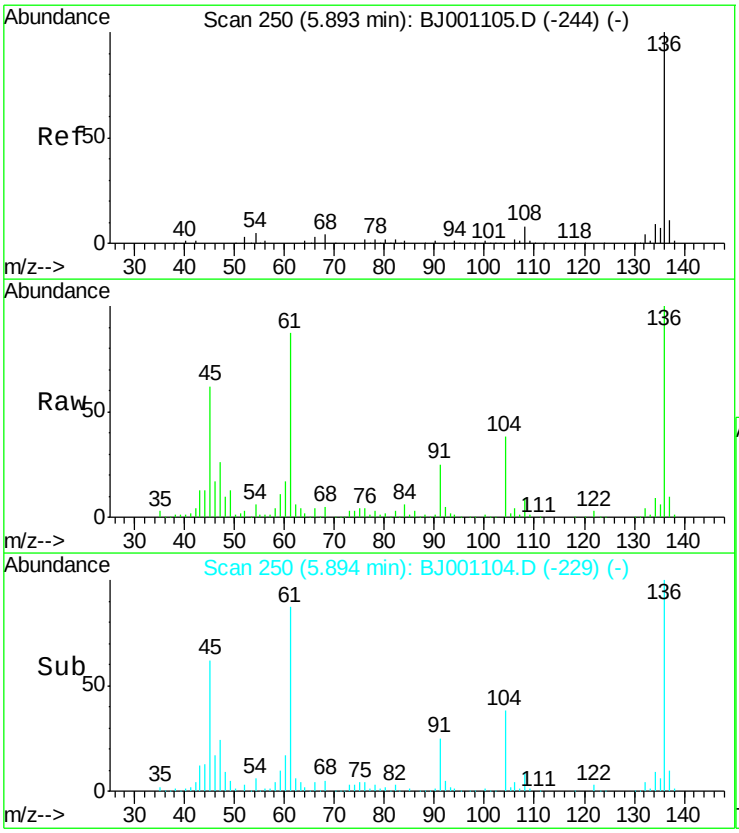
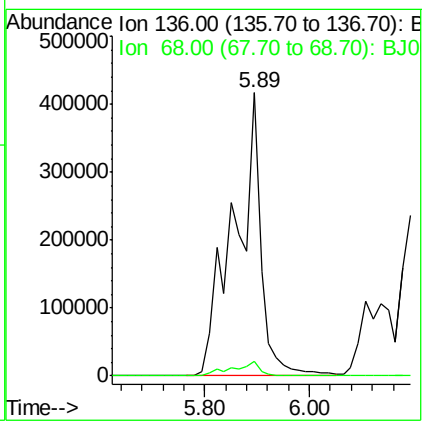
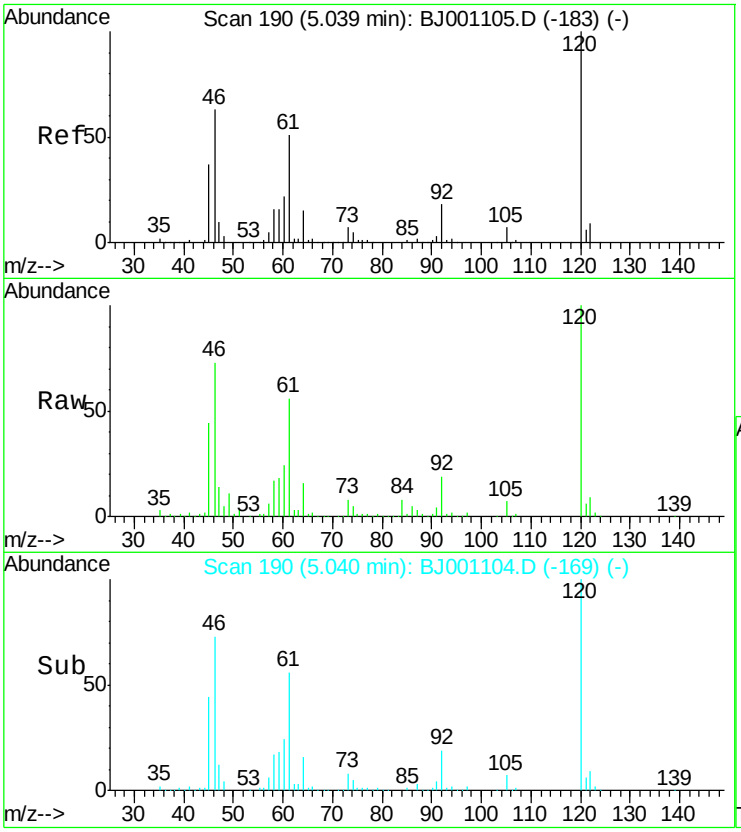


#6
Naphthalene-d8
Concen: 2.00 ug/mL
RT: 5.89 min Scan# 250
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:136 Resp: 1476262

Ion	Ratio	Lower	Upper
136	100		
68	5.0	0.0	24.4

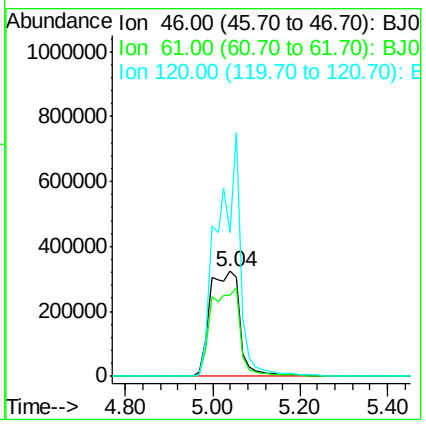




#7
1,4-Dithiane
Concen: 11.04 ug/mL
RT: 5.04 min Scan# 190
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 46 Resp: 1530790

Ion	Ratio	Lower	Upper
46	100		
61	77.3	60.0	100.0
120	136.9	138.1	178.1#



Instrument :
BNA_J
LabSampleId :
CWA-5

Manual Integrations APPROVED
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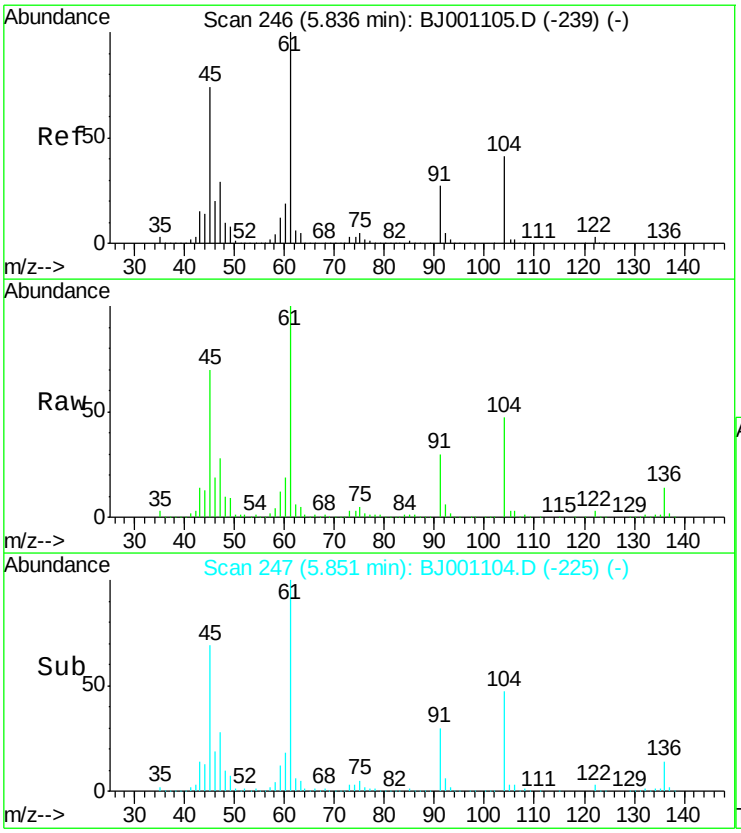
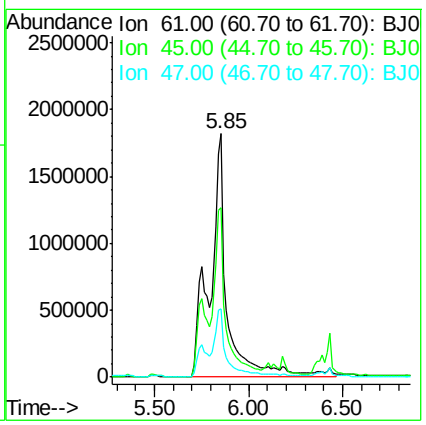
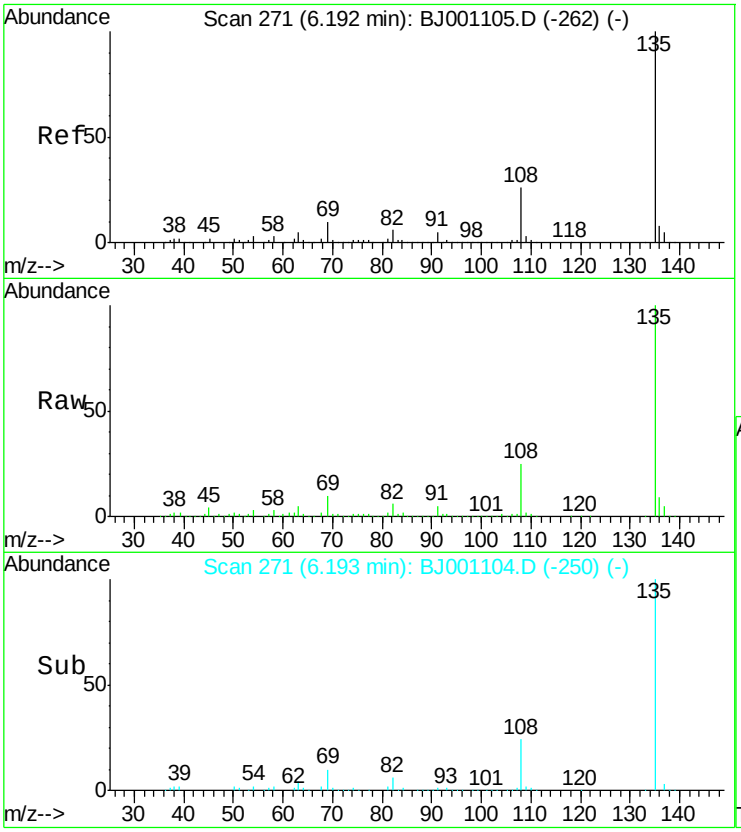


#8
Thiodiglycol
Concen: 99.36 ug/mL m
RT: 5.85 min Scan# 247
Delta R.T. 0.02 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 61 Resp:11701934

Ion	Ratio	Lower	Upper
61	100		
45	69.6	54.0	94.0
47	28.2	9.6	49.6

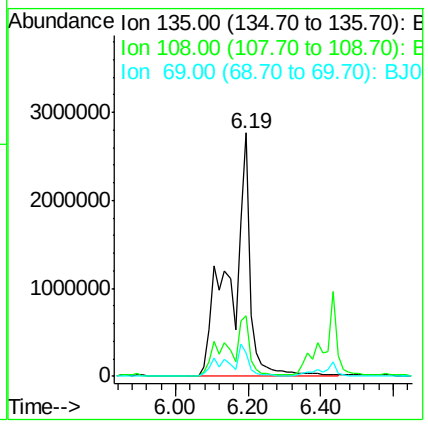




#9
Benzothiazole
Concen: 26.93 ug/mL m
RT: 6.19 min Scan# 271
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:135 Resp:10239748

Ion	Ratio	Lower	Upper
135	100		
108	25.1	5.8	45.8
69	9.8	0.0	30.2



Instrument :
BNA_J
LabSampleId :
CWA-5

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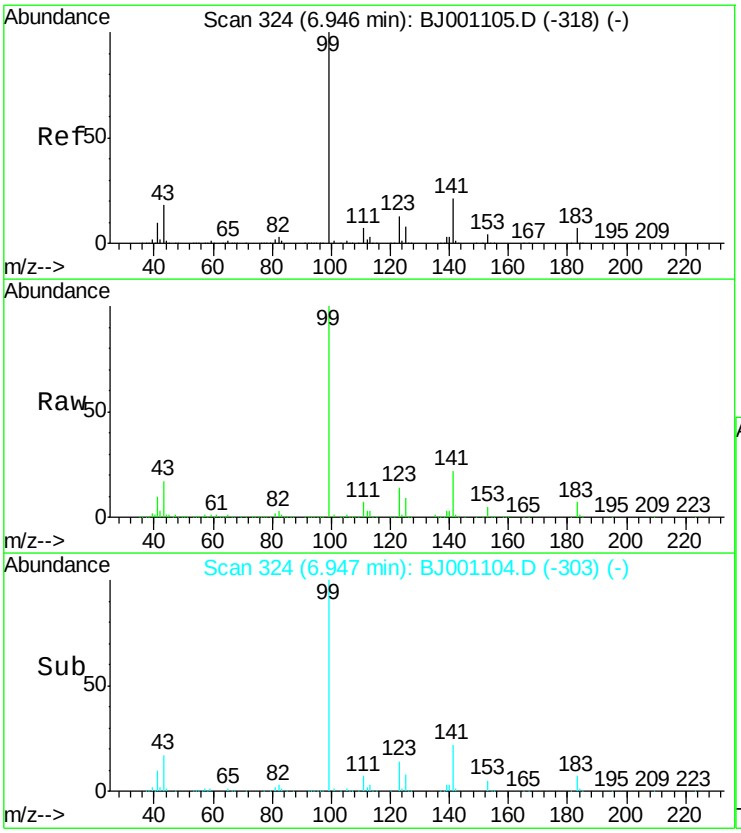
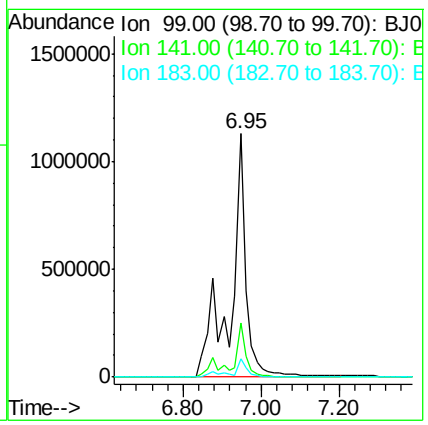
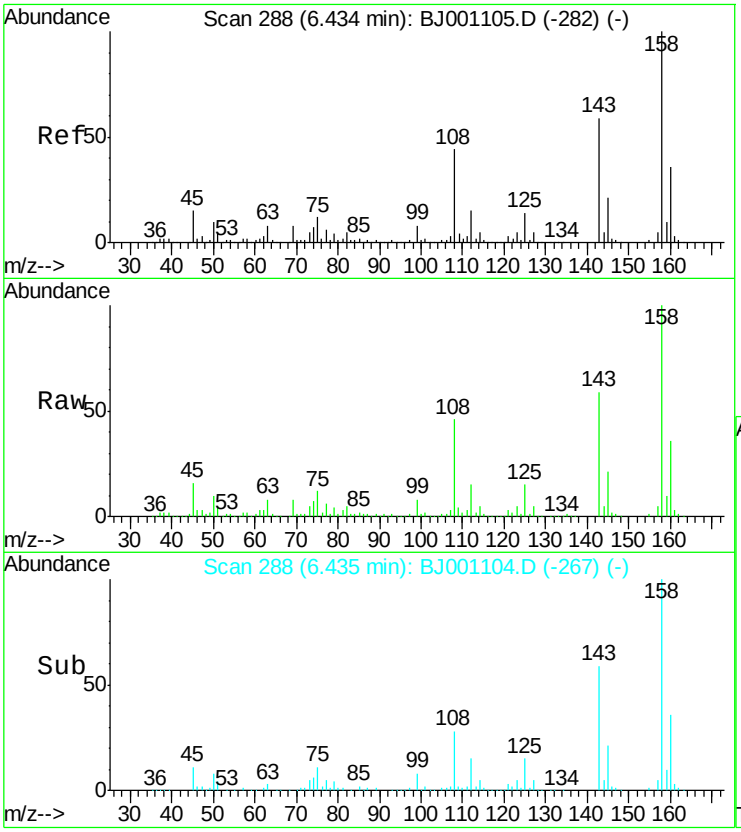


#10
Tripropylphosphate
Concen: 5.81 ug/mL m
RT: 6.95 min Scan# 324
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion: 99 Resp: 3140491

Ion	Ratio	Lower	Upper
99	100		
141	12.4	16.0	24.0#
183	4.5	5.6	8.4#

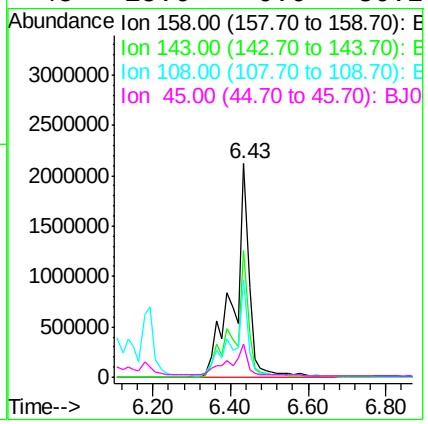




#11
p-Chlorophenylmethylsulfide
Concen: 25.43 ug/mL
RT: 6.43 min Scan# 288
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:158 Resp: 5926506

Ion	Ratio	Lower	Upper
158	100		
143	59.3	39.2	79.2
108	45.8	24.9	64.9
45	15.6	0.0	36.2



Instrument :
BNA_J
LabSampleId :
CWA-5

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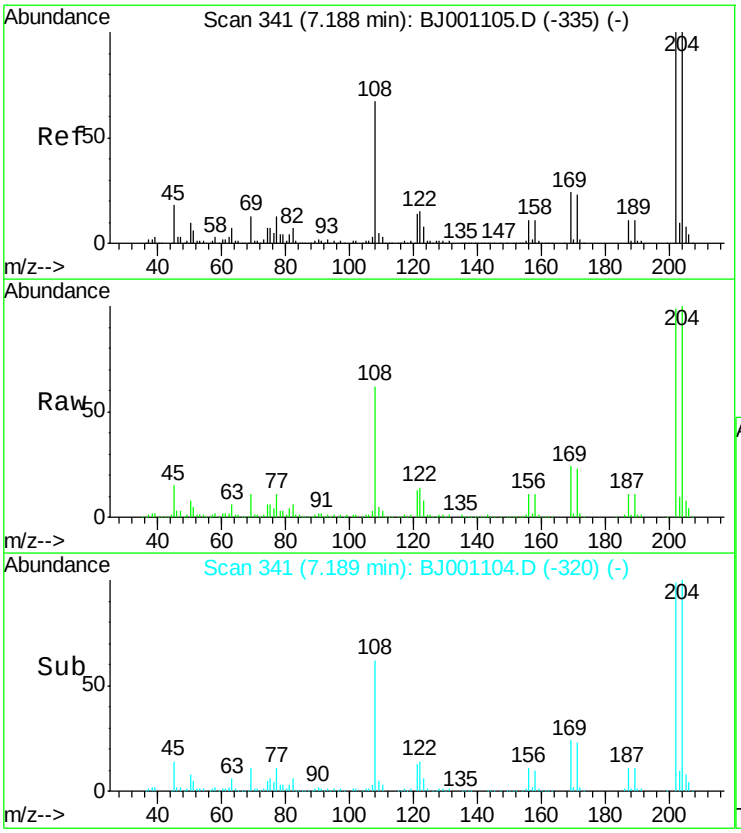
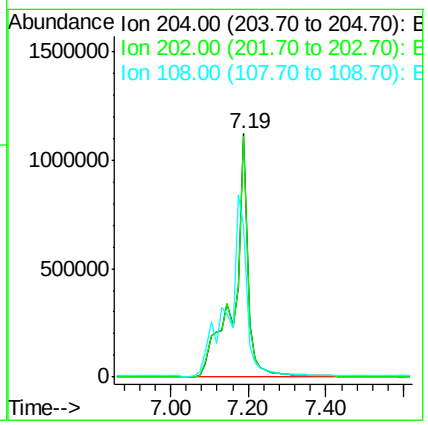
9/20/2012 5:29:19 AM

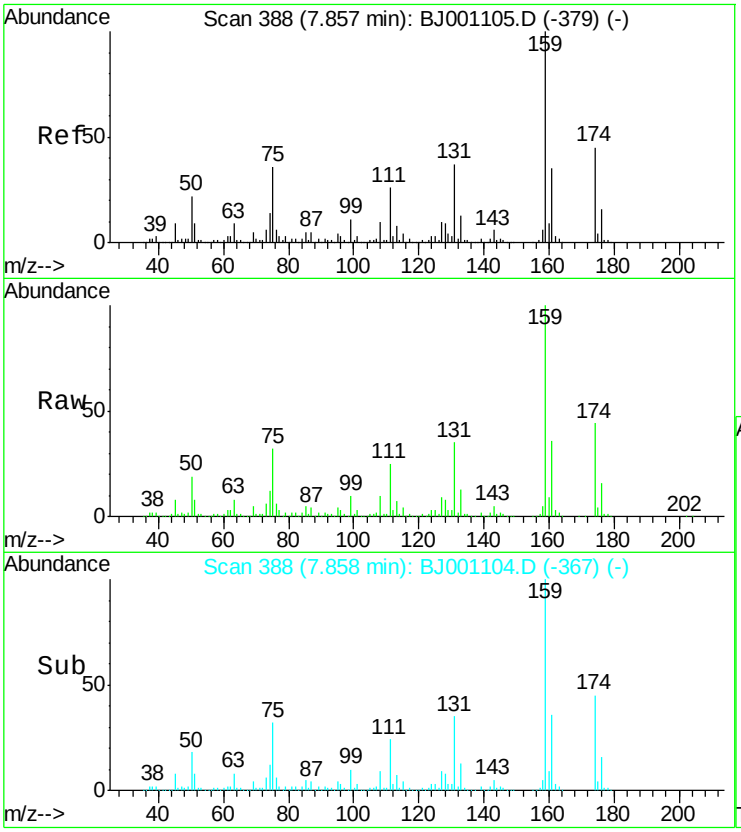


#12
2-Bromothioanisole
Concen: 24.63 ug/mL
RT: 7.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:204 Resp: 2842192

Ion	Ratio	Lower	Upper
204	100		
202	99.3	79.8	119.8
108	62.1	47.7	87.7

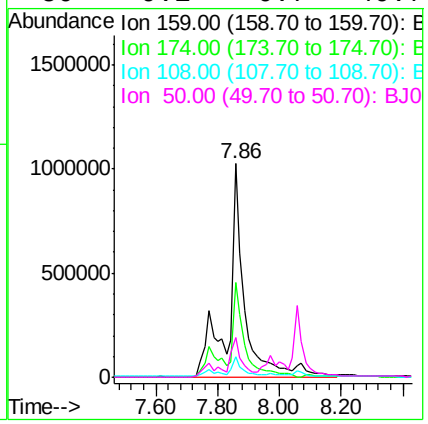




#13
p-Chlorophenylmethylsulfoxide
Concen: 24.56 ug/mL m
RT: 7.86 min Scan# 388
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:159 Resp: 3805205

Ion	Ratio	Lower	Upper
159	100		
174	30.8	27.2	67.2
108	5.1	0.0	29.4
50	9.1	0.7	40.7



Instrument :
BNA_J
LabSampleId :
CWA-5

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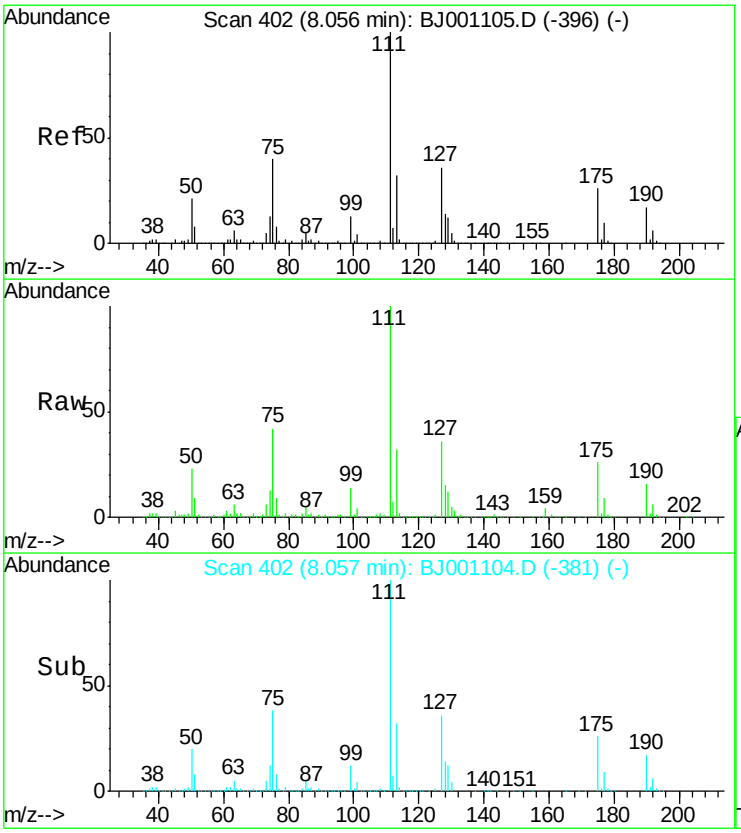
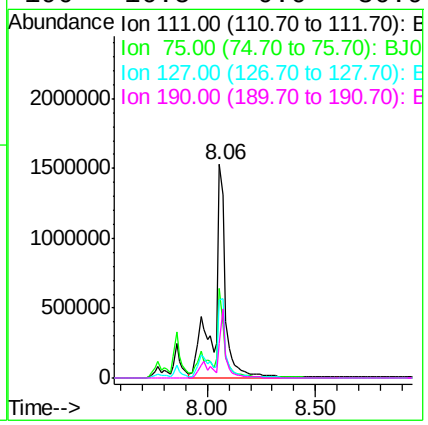
9/20/2012 5:29:19 AM



#14
p-Chlorophenylmethylsulfone
Concen: 23.81 ug/mL m
RT: 8.06 min Scan# 402
Delta R.T. 0.00 min
Lab File: BJ001104.D
Acq: 11 Sep 2012 13:34

Tgt Ion:111 Resp: 5537132

Ion	Ratio	Lower	Upper
111	100		
75	41.7	21.3	61.3
127	36.4	16.0	56.0
190	16.5	0.0	36.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001104.D
Acq On : 11 Sep 2012 13:34
Operator : HLM
Sample : CWA-5
Misc : CWA STD BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_J
LabSampleId :
CWA-5

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:19 AM

Quant Time: Sep 20 04:55:52 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	4.57	152	345672	2.00	ug/mL	-0.03
6) Naphthalene-d8	5.89	136	1476262	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.95	99	3140491m	5.81	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 1162.00%#			
12) 2-Bromothioanisole	7.19	204	2842192	24.63	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 492.60%#			
Target Compounds						Qvalue
2) Dimethyl Disulfide	2.45	94	1827120	14.13	ug/mL#	48
3) DMMP	3.46	79	650490	4.18	ug/mL	95
4) DIMP	4.83	97	1785484m	5.54	ug/mL	
5) 1,4-Oxathiane	3.59	46	1895441	11.78	ug/mL	93
7) 1,4-Dithiane	5.04	46	1530790	11.04	ug/mL#	88
8) Thiodiglycol	5.85	61	11701934m	99.36	ug/mL	
9) Benzothiazole	6.19	135	10239748m	26.93	ug/mL	
11) p-Chlorophenylmethylsulfid	6.43	158	5926506	25.43	ug/mL	99
13) p-Chlorophenylmethylsulfox	7.86	159	3805205m	24.56	ug/mL	
14) p-Chlorophenylmethylsulfon	8.06	111	5537132m	23.81	ug/mL	

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