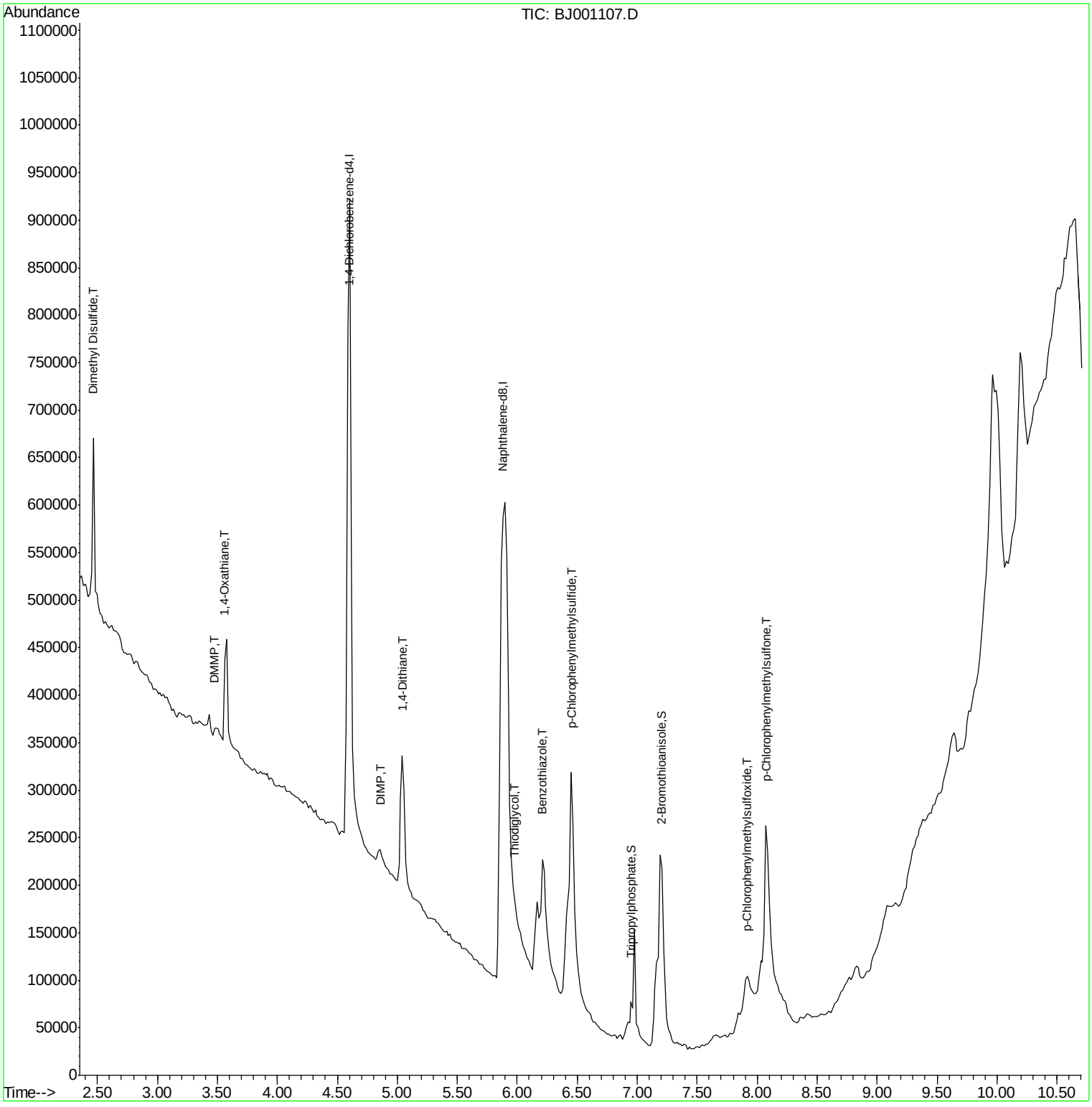
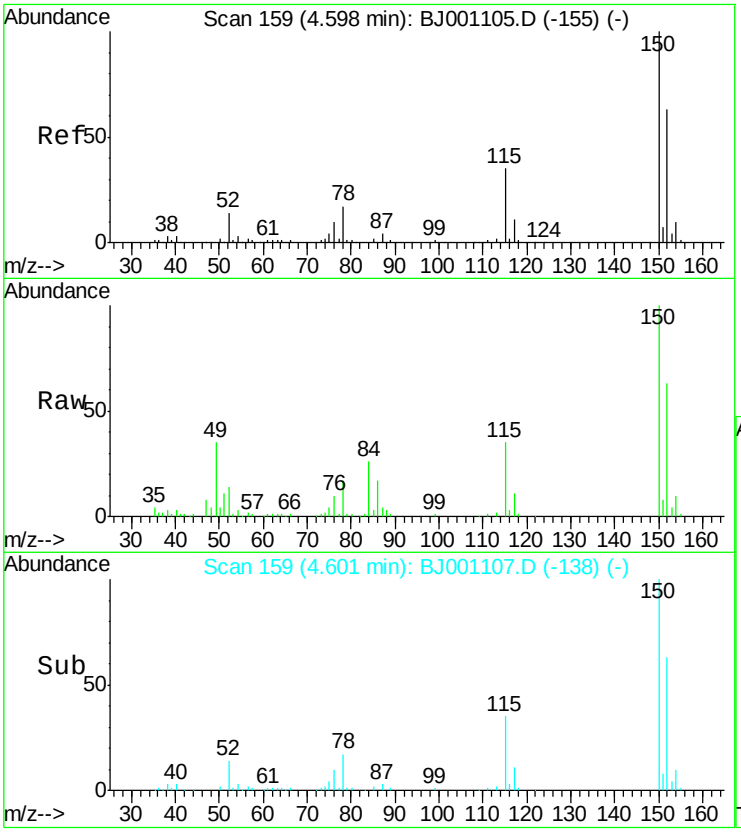
Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001107.D
Acq On : 11 Sep 2012 14:27
Operator : HLM
Sample : CWA-2
Misc : CWA STD BNA_J HLM
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 04:56:51 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-2

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:24 AM

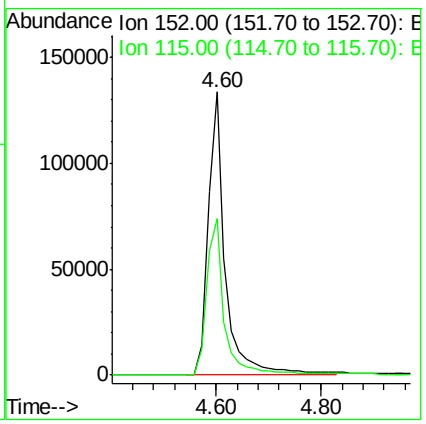




#1
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL
RT: 4.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:152 Resp: 304714

Ion	Ratio	Lower	Upper
152	100		
115	55.4	35.3	75.3



Instrument :
BNA_J
LabSampleId :
CWA-2

Manual Integrations APPROVED
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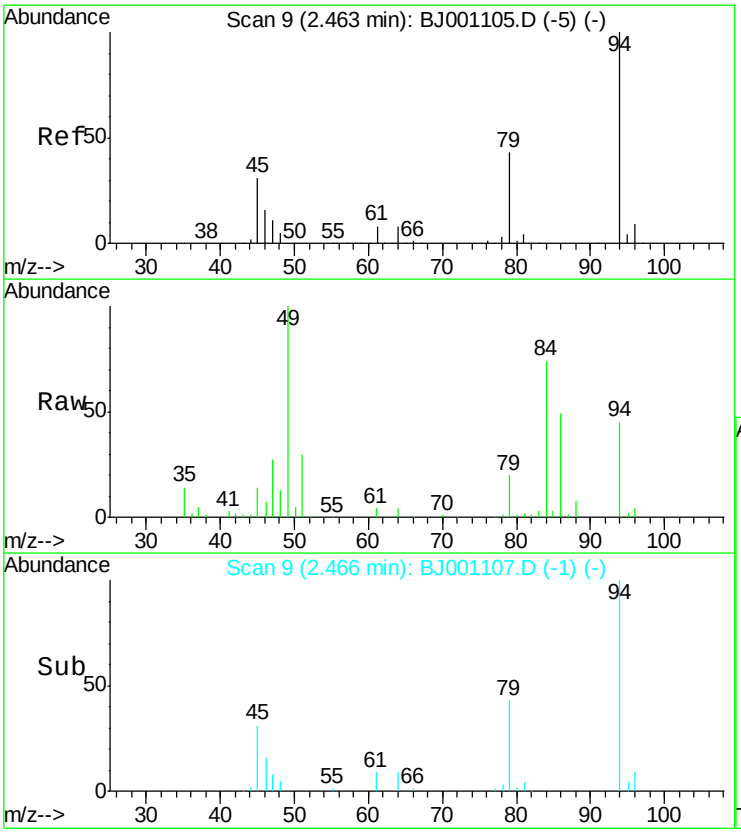
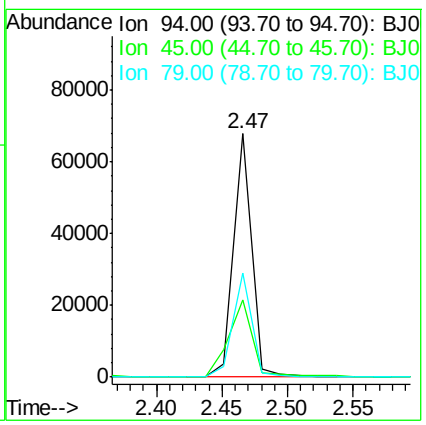
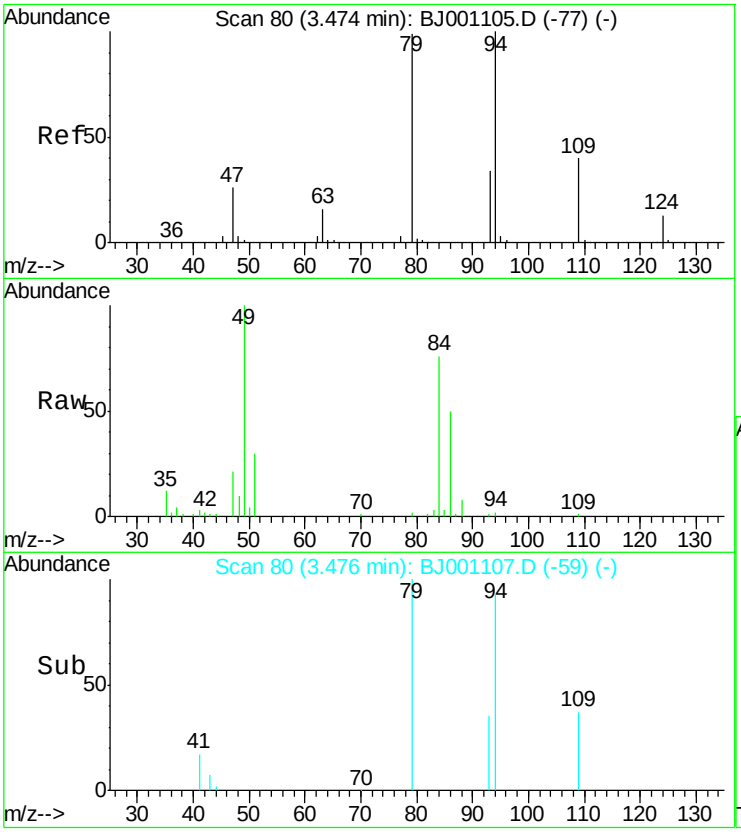


#2
Dimethyl Disulfide
Concen: 0.56 ug/mL
RT: 2.47 min Scan# 9
Delta R.T. 0.00 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 94 Resp: 64394

Ion	Ratio	Lower	Upper
94	100		
45	31.7	12.7	52.7
79	42.9	22.9	62.9

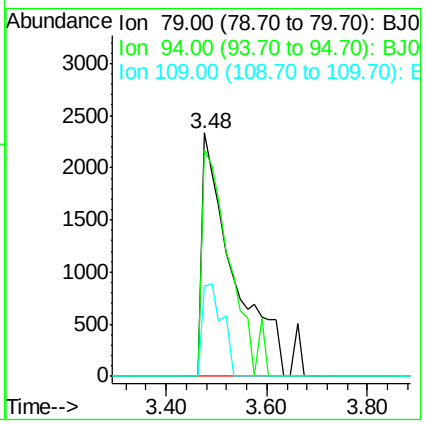




#3
DMMP
Concen: 0.08 ug/mL m
RT: 3.48 min Scan# 80
Delta R.T. 0.00 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 79 Resp: 10463

Ion	Ratio	Lower	Upper
79	100		
94	93.1	80.9	120.9
109	37.1	20.3	60.3



Instrument :
BNA_J
LabSampleId :
CWA-2

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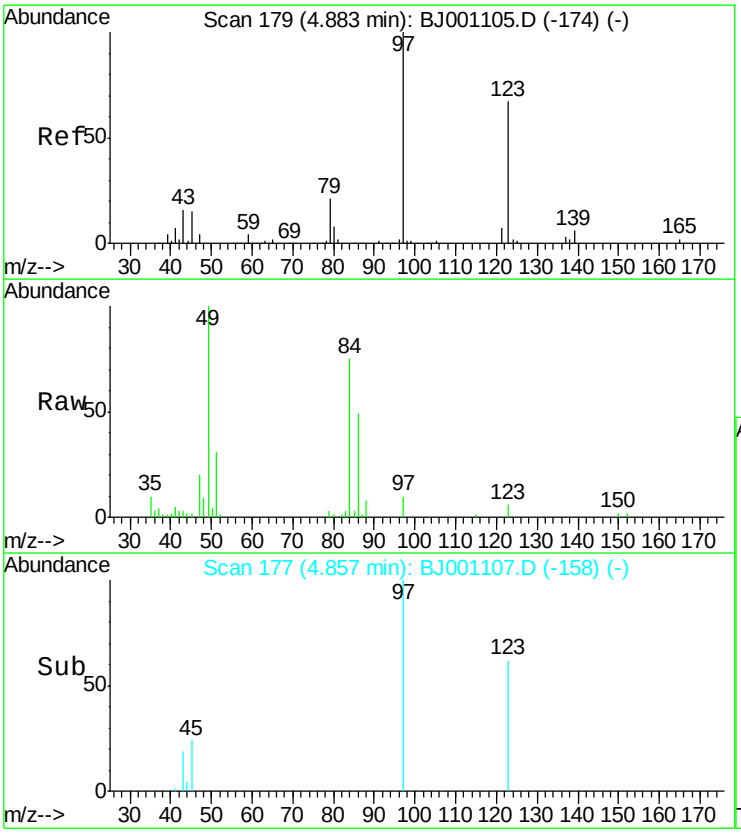
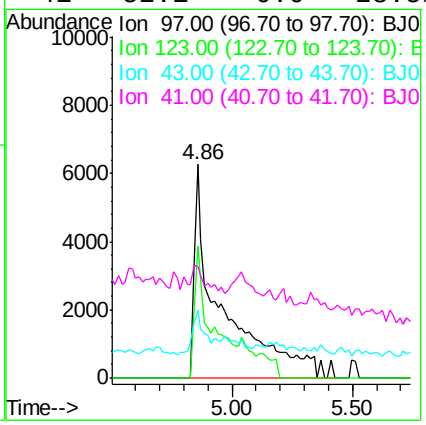
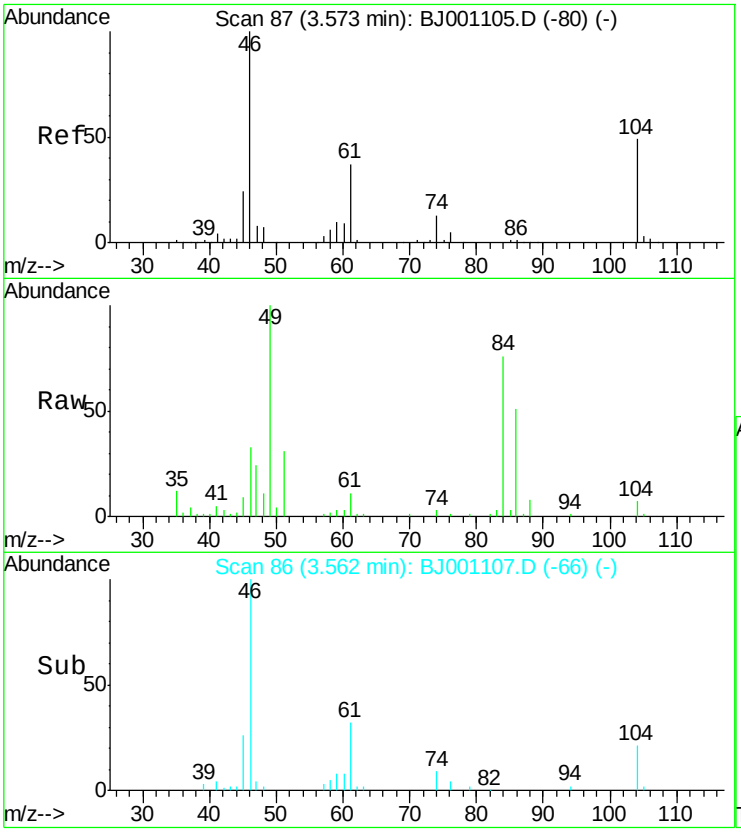


#4
DIMP
Concen: 0.19 ug/mL m
RT: 4.86 min Scan# 177
Delta R.T. -0.03 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 97 Resp: 48186

Ion	Ratio	Lower	Upper
97	100		
123	61.9	47.2	87.2
43	31.5	0.0	36.5
41	52.1	0.0	28.5#

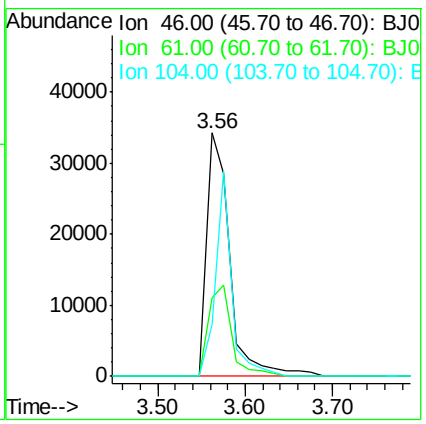




#5
1,4-Oxathiane
Concen: 0.45 ug/mL
RT: 3.56 min Scan# 86
Delta R.T. -0.01 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 46 Resp: 63725

Ion	Ratio	Lower	Upper
46	100		
61	32.1	17.1	57.1
104	21.4	29.3	69.3#



Instrument :
BNA_J
LabSampleId :
CWA-2

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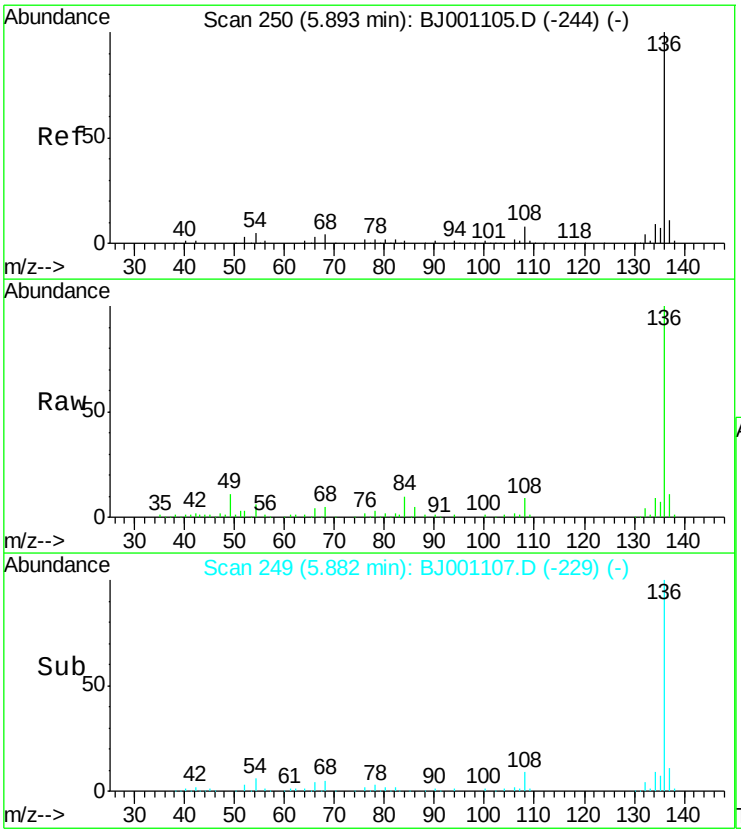
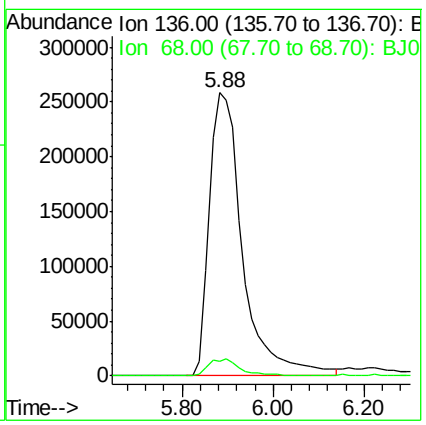
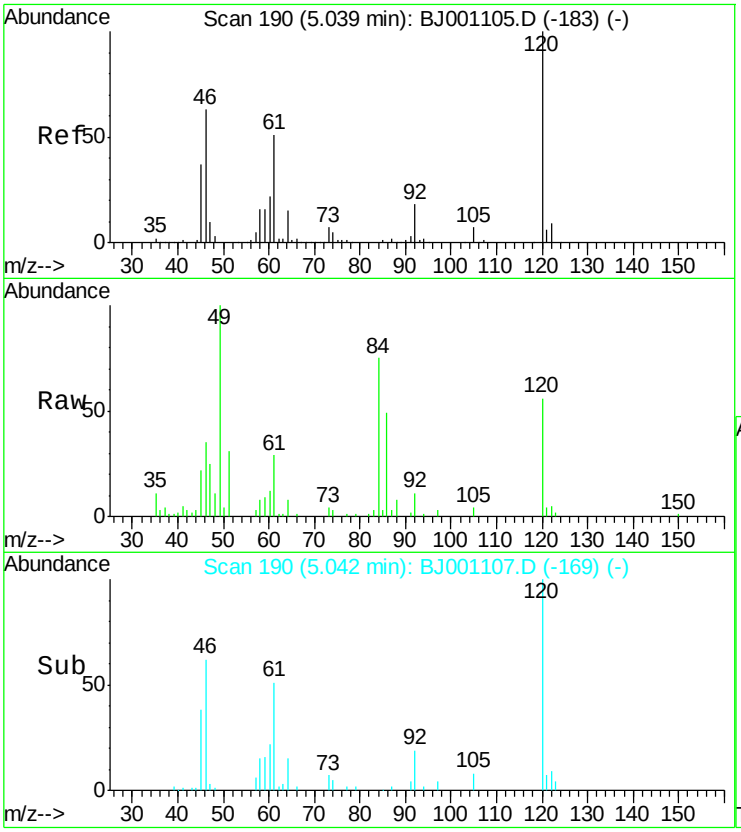


#6
Naphthalene-d8
Concen: 2.00 ug/mL
RT: 5.88 min Scan# 249
Delta R.T. -0.01 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:136 Resp: 1303814

Ion	Ratio	Lower	Upper
136	100		
68	5.1	0.0	24.4

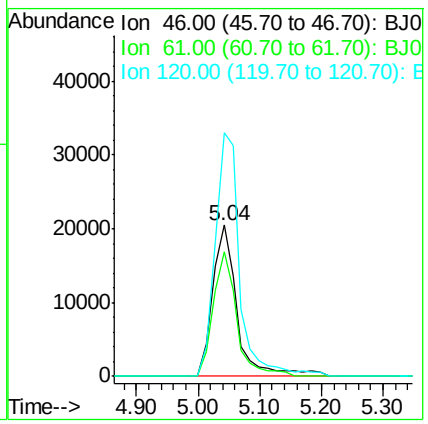




#7
1,4-Dithiane
Concen: 0.46 ug/mL
RT: 5.04 min Scan# 190
Delta R.T. 0.00 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 46 Resp: 56494

Ion	Ratio	Lower	Upper
46	100		
61	82.3	60.0	100.0
120	160.8	138.1	178.1



Instrument :
BNA_J
LabSampleId :
CWA-2

Manual Integrations APPROVED
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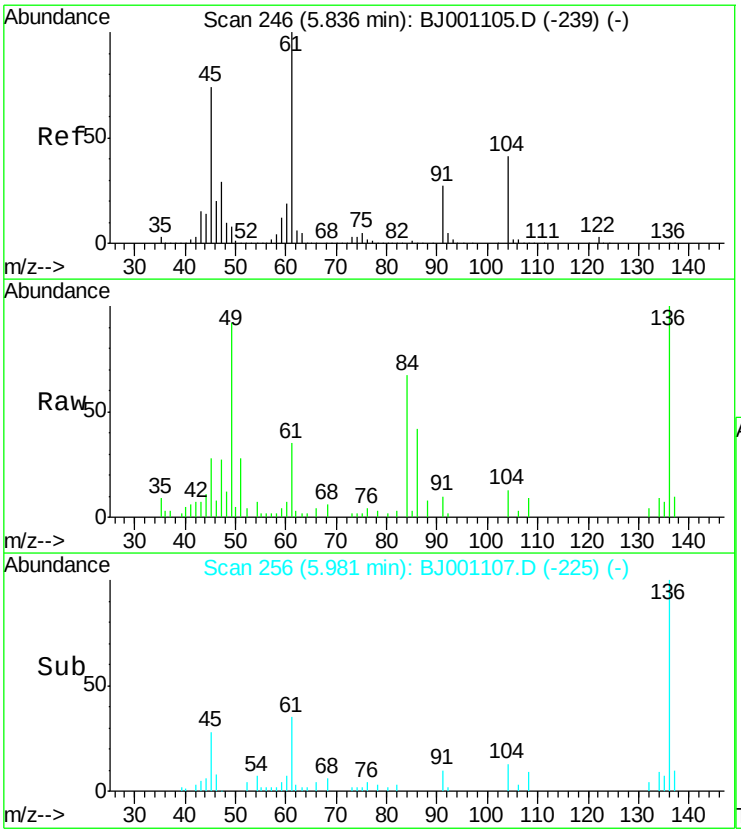
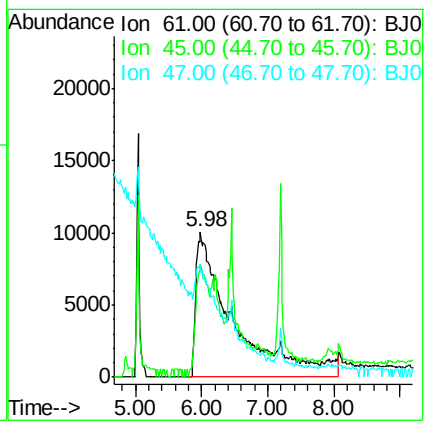
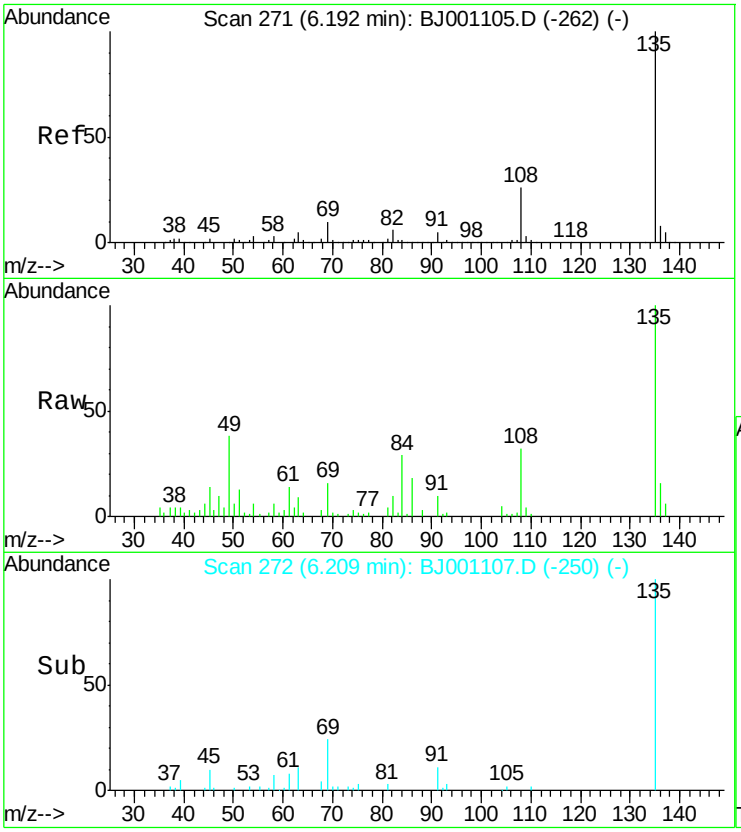


#8
Thiodiglycol
Concen: 3.80 ug/mL m
RT: 5.98 min Scan# 256
Delta R.T. 0.14 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 61 Resp: 394987

Ion	Ratio	Lower	Upper
61	100		
45	77.9	54.0	94.0
47	75.8	9.6	49.6#

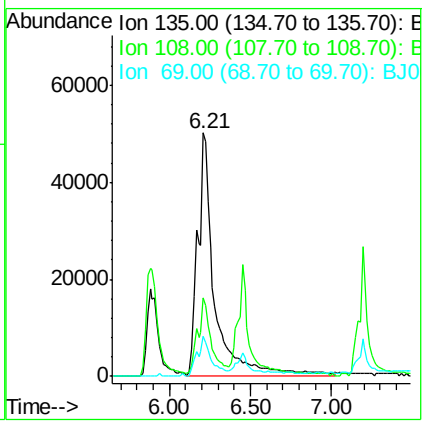




#9
Benzothiazole
Concen: 1.08 ug/mL m
RT: 6.21 min Scan# 272
Delta R.T. 0.02 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:135 Resp: 362255

Ion	Ratio	Lower	Upper
135	100		
108	32.2	5.8	45.8
69	16.5	0.0	30.2



Instrument :
BNA_J
LabSampleId :
CWA-2

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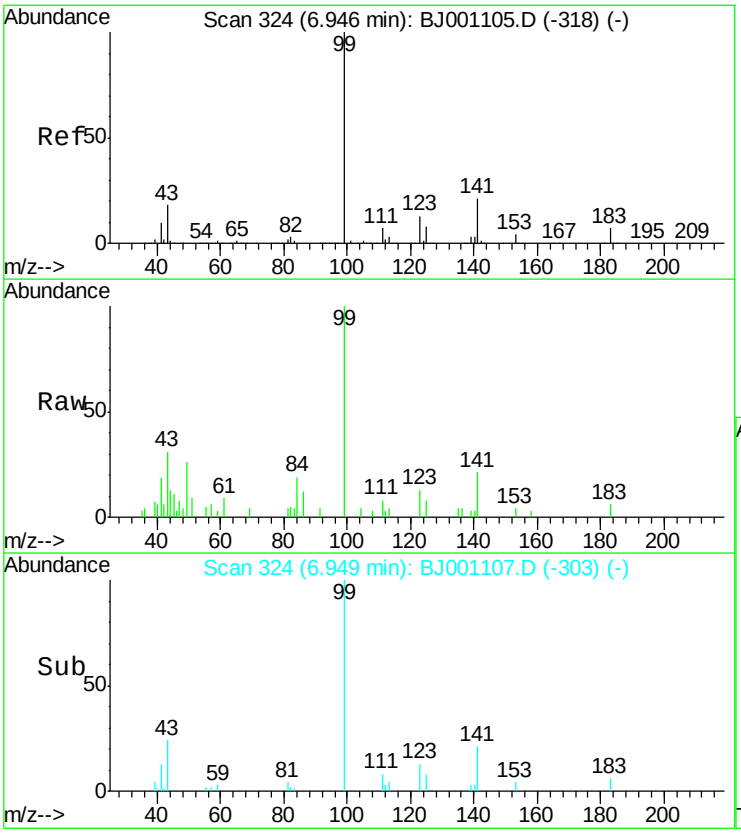
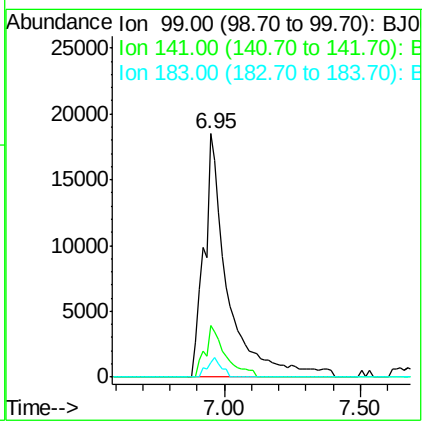
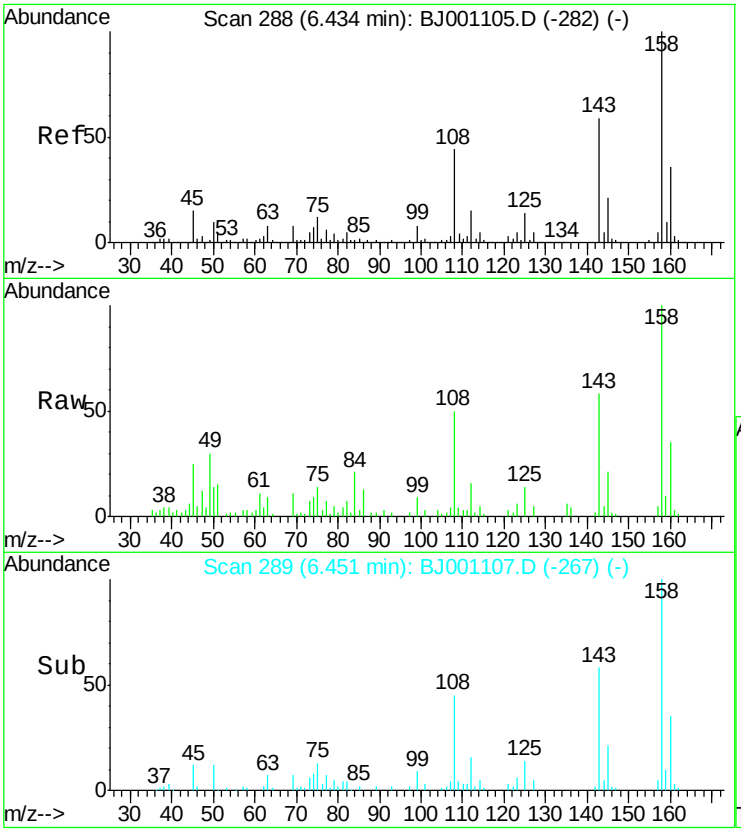


#10
Tripropylphosphate
Concen: 0.24 ug/mL m
RT: 6.95 min Scan# 324
Delta R.T. 0.00 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion: 99 Resp: 112613

Ion	Ratio	Lower	Upper
99	100		
141	17.9	16.0	24.0
183	4.5	5.6	8.4#

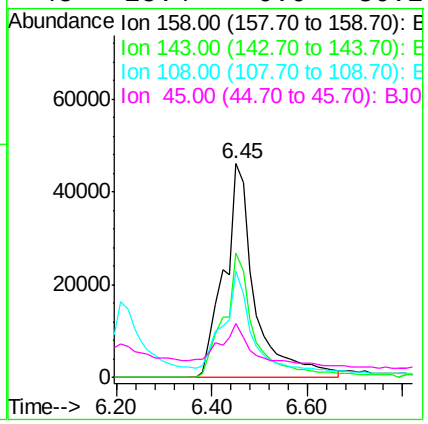




#11
p-Chlorophenylmethylsulfide
Concen: 0.99 ug/mL
RT: 6.45 min Scan# 289
Delta R.T. 0.02 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:158 Resp: 204338

Ion	Ratio	Lower	Upper
158	100		
143	58.1	39.2	79.2
108	50.0	24.9	64.9
45	25.4	0.0	36.2



Instrument :
BNA_J
LabSampleId :
CWA-2

Manual Integrations APPROVED
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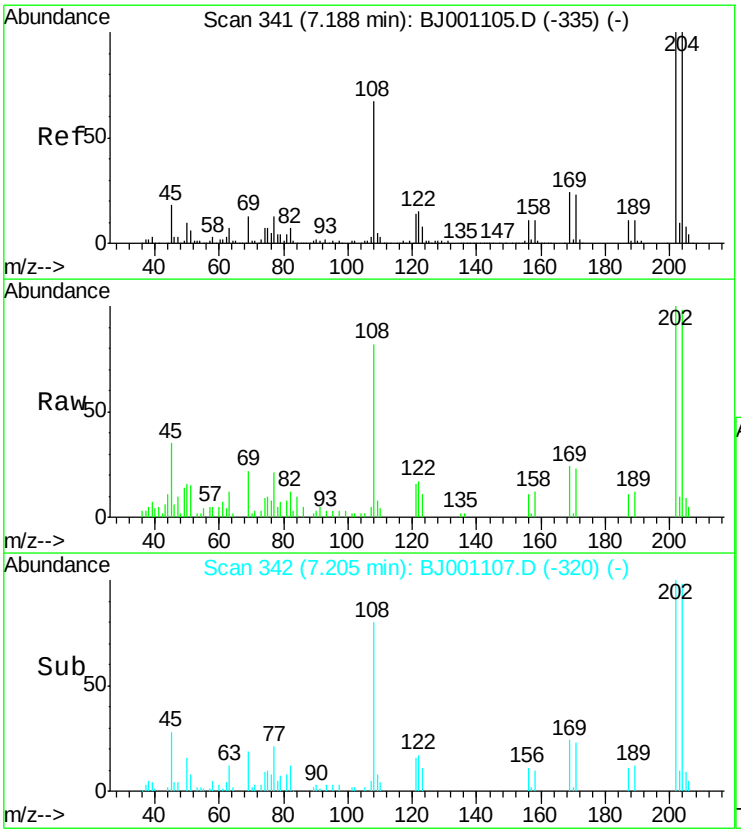
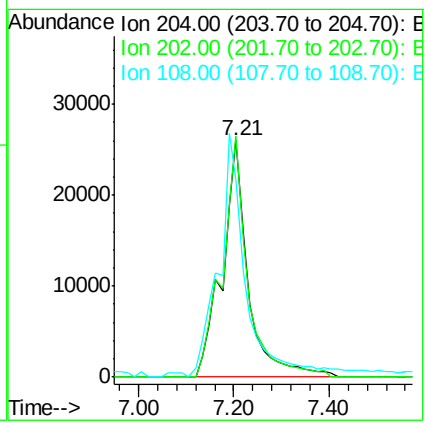
9/20/2012 5:29:24 AM

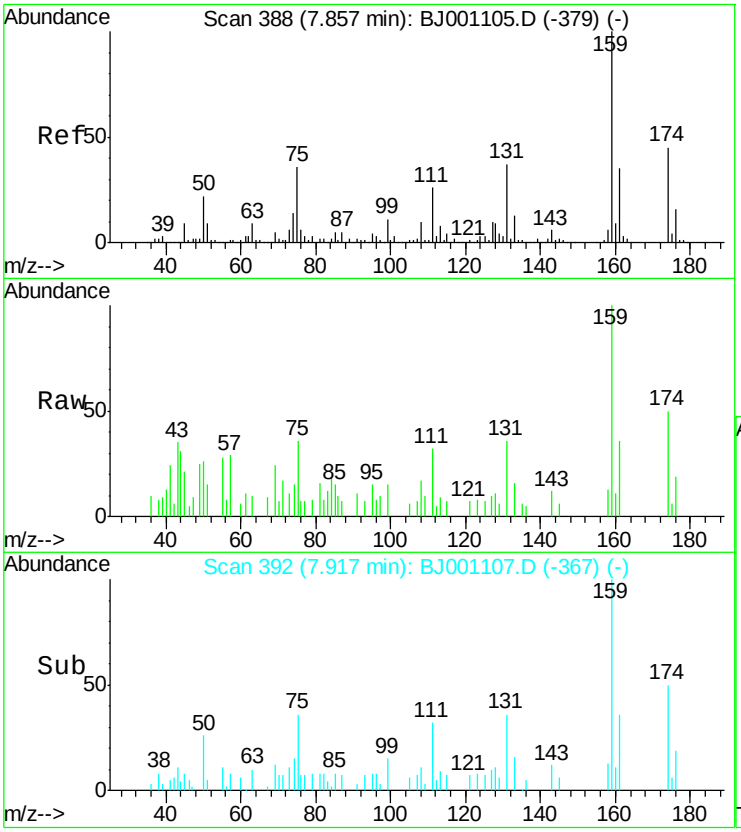


#12
2-Bromothioanisole
Concen: 0.97 ug/mL
RT: 7.21 min Scan# 342
Delta R.T. 0.02 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:204 Resp: 98528

Ion	Ratio	Lower	Upper
204	100		
202	101.8	79.8	119.8
108	83.5	47.7	87.7

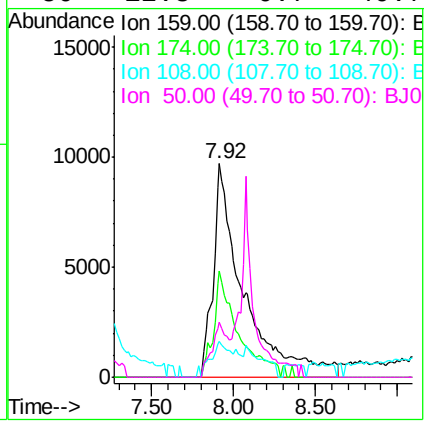




#13
p-Chlorophenylmethylsulfoxide
Concen: 1.09 ug/mL m
RT: 7.92 min Scan# 392
Delta R.T. 0.06 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:159 Resp: 125865

Ion	Ratio	Lower	Upper
159	100		
174	32.5	27.2	67.2
108	10.8	0.0	29.4
50	12.8	0.7	40.7



Instrument :
BNA_J
LabSampleId :
CWA-2

Manual Integrations APPROVED
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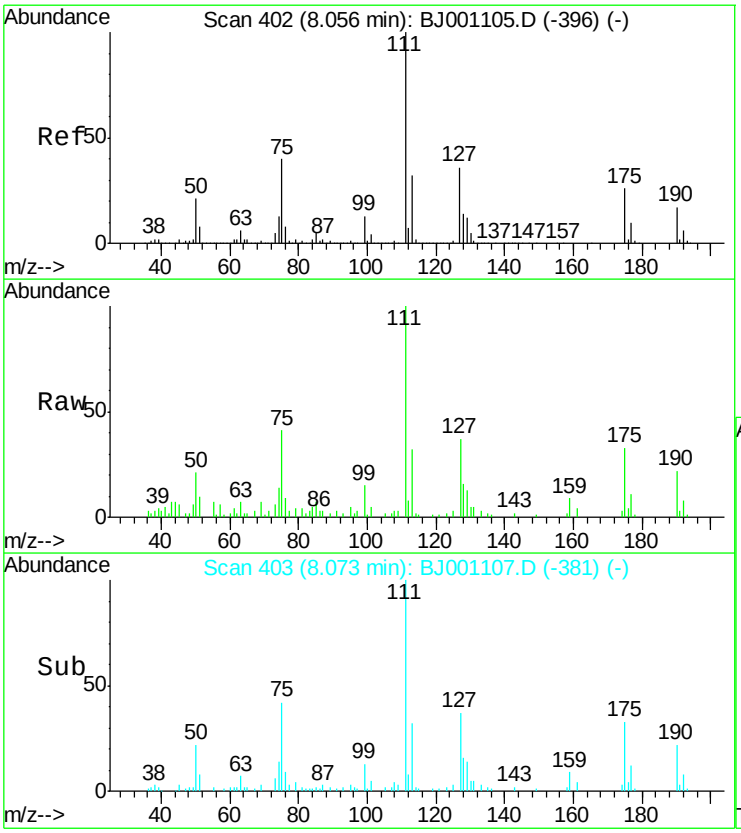
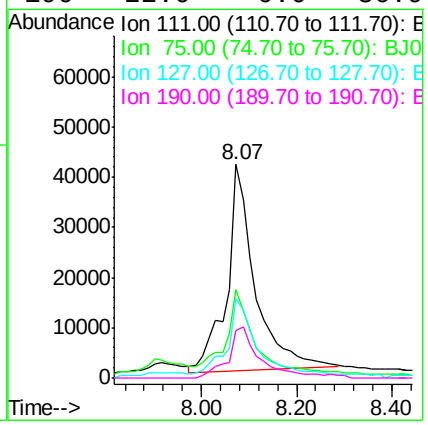
9/20/2012 5:29:24 AM



#14
p-Chlorophenylmethylsulfone
Concen: 0.83 ug/mL
RT: 8.07 min Scan# 403
Delta R.T. 0.02 min
Lab File: BJ001107.D
Acq: 11 Sep 2012 14:27

Tgt Ion:111 Resp: 169413

Ion	Ratio	Lower	Upper
111	100		
75	41.1	21.3	61.3
127	37.0	16.0	56.0
190	22.0	0.0	36.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_J\DATA\BJ091112\
Data File : BJ001107.D
Acq On : 11 Sep 2012 14:27
Operator : HLM
Sample : CWA-2
Misc : CWA STD BNA_J HLM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_J
LabSampleId :
CWA-2

Manual Integrations APPROVED
AHPatel
9/20/2012 5:29:24 AM

Quant Time: Sep 20 04:56:51 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	304714	2.00	ug/mL	0.00
6) Naphthalene-d8	5.88	136	1303814	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	6.95	99	112613m	0.24	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 48.00%#			
12) 2-Bromothioanisole	7.21	204	98528	0.97	ug/mL	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 19.40%#			
Target Compounds						Qvalue
2) Dimethyl Disulfide	2.47	94	64394	0.56	ug/mL	99
3) DMMP	3.48	79	10463m	0.08	ug/mL	
4) DIMP	4.86	97	48186m	0.19	ug/mL	
5) 1,4-Oxathiane	3.56	46	63725	0.45	ug/mL#	73
7) 1,4-Dithiane	5.04	46	56494	0.46	ug/mL	98
8) Thiodiglycol	5.98	61	394987m	3.80	ug/mL	
9) Benzothiazole	6.21	135	362255m	1.08	ug/mL	
11) p-Chlorophenylmethylsulfid	6.45	158	204338	0.99	ug/mL	93
13) p-Chlorophenylmethylsulfox	7.92	159	125865m	1.09	ug/mL	
14) p-Chlorophenylmethylsulfon	8.07	111	169413	0.83	ug/mL	97

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