

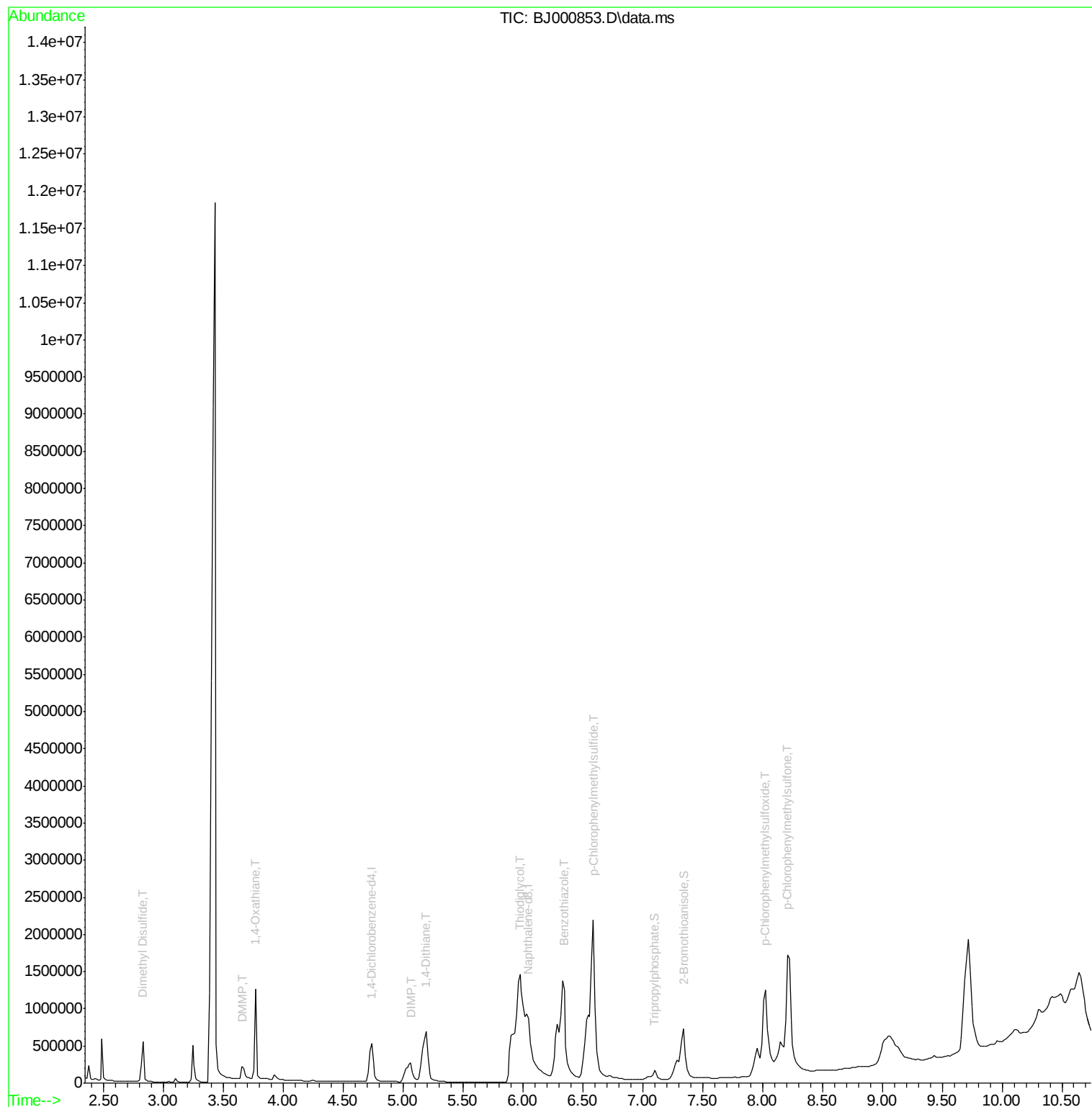
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000853.D
Acq On : 28 Apr 2012 2:59
Operator : HLM
Sample : PB62793BS
Misc : WATER BNA_J HLM
ALS Vial : 32 Sample Multiplier: 1

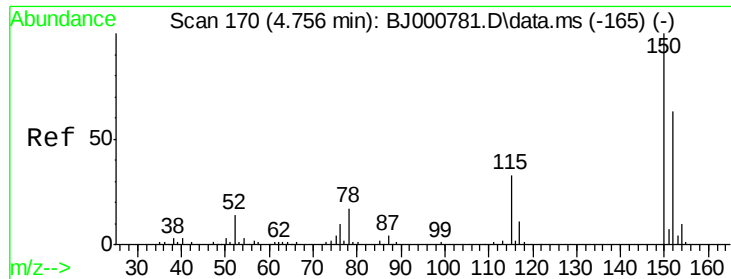
Instrument :
BNA_J
ClientSampleId :
PB62793BS

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:46 AM

Quant Time: May 03 01:42:31 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Mon Apr 30 10:31:38 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.737 min Scan# 16

Delta R.T. -0.016 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

Instrument :

BNA_J

ClientSampleId :

PB62793BS

Tgt Ion:152 Resp: 229413

Ion Ratio Lower Upper

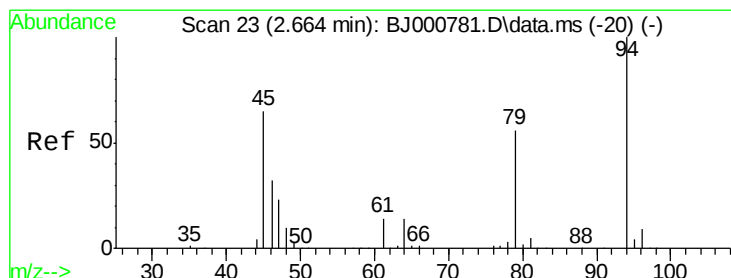
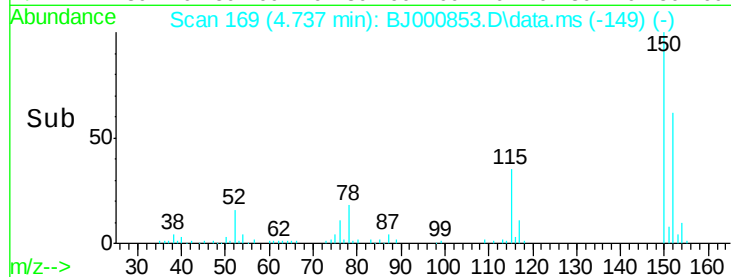
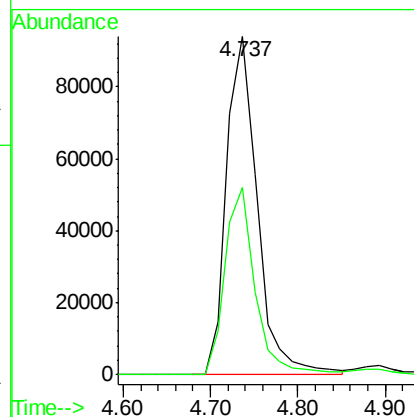
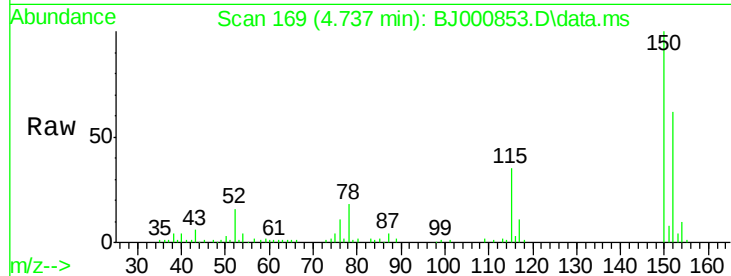
152 100

115 55.5 25.8 65.8

Manual Integrations
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AHPatel

5/3/2012 1:42:46 AM



#2

Dimethyl Disulfide

Concen: 3.07 ug/mL m

RT: 2.830 min Scan# 35

Delta R.T. 0.169 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

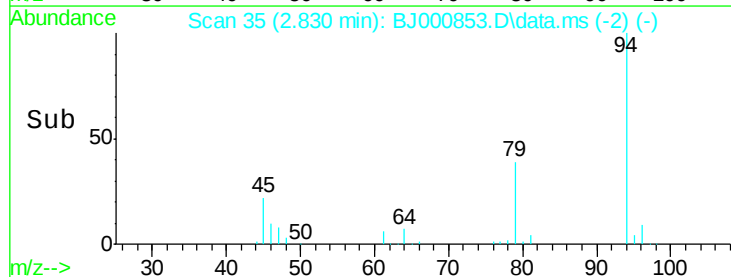
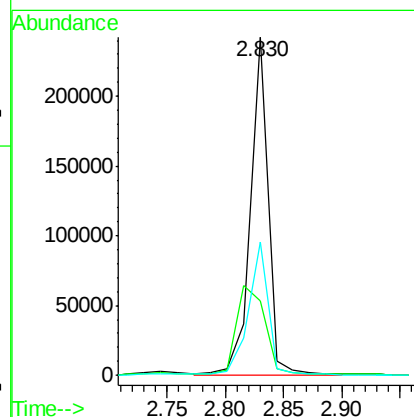
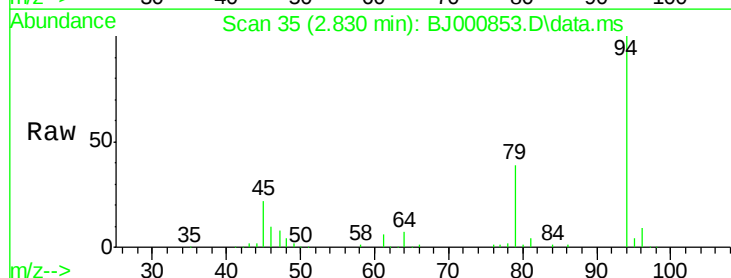
Tgt Ion: 94 Resp: 259742

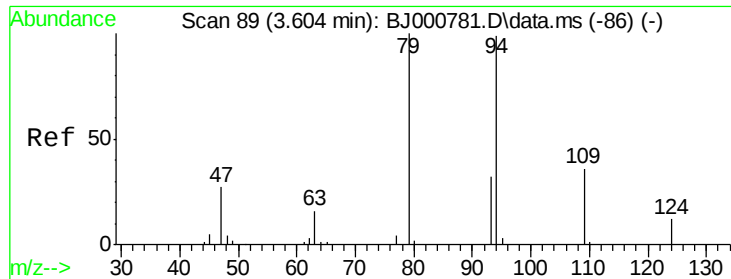
Ion Ratio Lower Upper

94 100

45 21.9 7.2 47.2

79 39.4 21.6 61.6





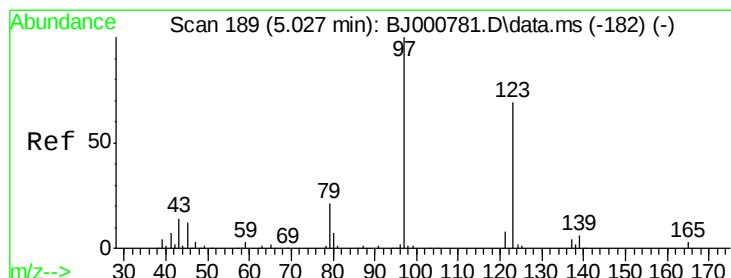
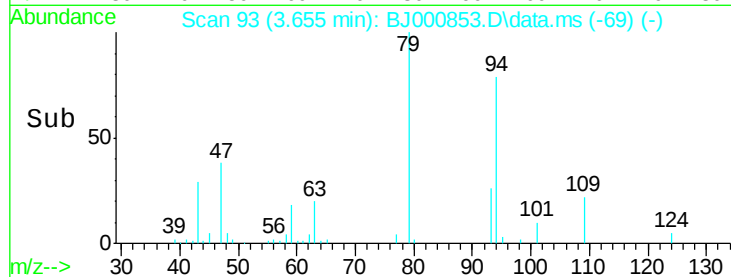
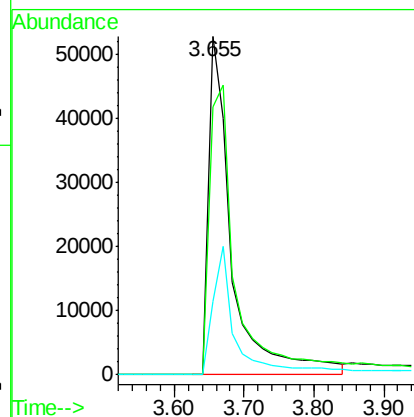
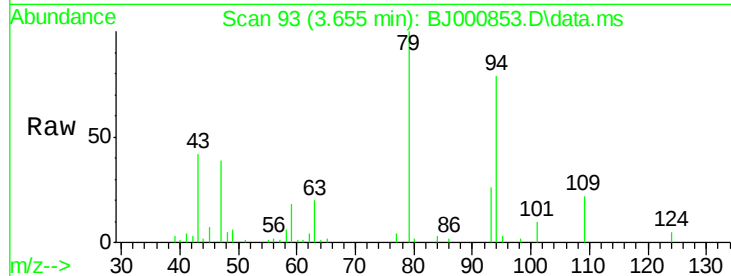
#3
DMMP
Concen: 1.69 ug/mL
RT: 3.655 min Scan# 93
Delta R.T. 0.041 min
Lab File: BJ000853.D
Acq: 28 Apr 2012 2:59

Instrument :
BNA_J
ClientSampleId :
PB62793BS

Tgt Ion: 79 Resp: 121900
Ion Ratio Lower Upper
79 100
94 79.3 80.8 120.8#
109 21.8 17.5 57.5

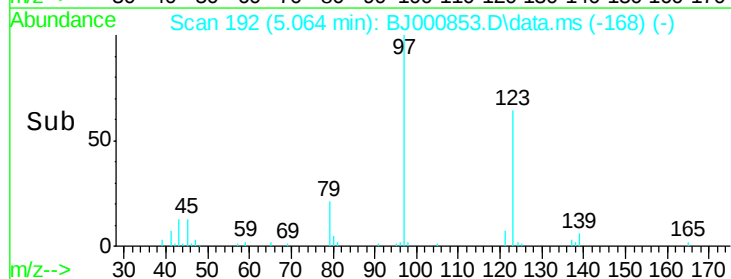
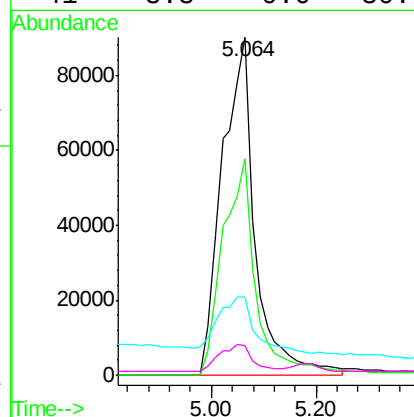
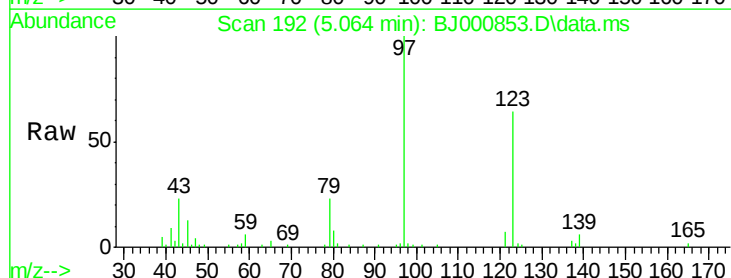
Manual Integrations
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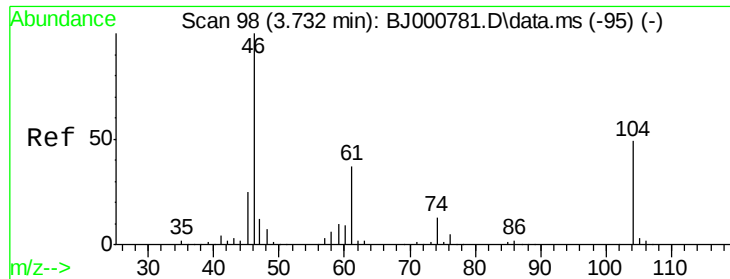
AHPatel
5/3/2012 1:42:46 AM



#4
DIMP
Concen: 1.95 ug/mL
RT: 5.064 min Scan# 192
Delta R.T. 0.041 min
Lab File: BJ000853.D
Acq: 28 Apr 2012 2:59

Tgt Ion: 97 Resp: 393664
Ion Ratio Lower Upper
97 100
123 64.2 39.1 79.1
43 23.3 0.9 40.9
41 8.8 0.0 30.0





#5

1,4-Oxathiane

Concen: 4.26 ug/mL

RT: 3.769 min Scan# 10

Delta R.T. 0.041 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

Instrument :

BNA_J

ClientSampleId :

PB62793BS

Tgt Ion: 46 Resp: 346666
Ion Ratio Lower Upper

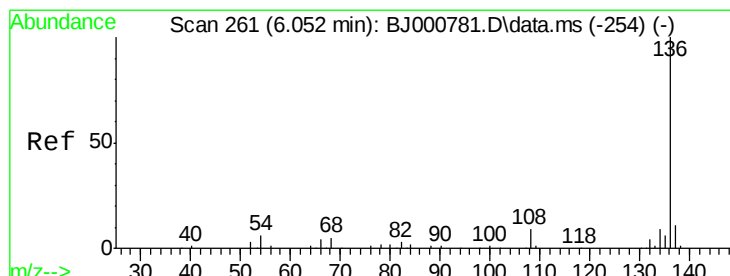
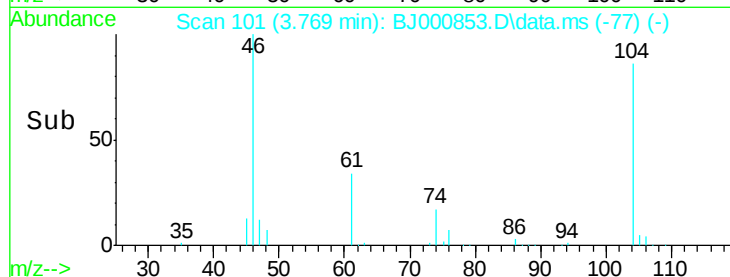
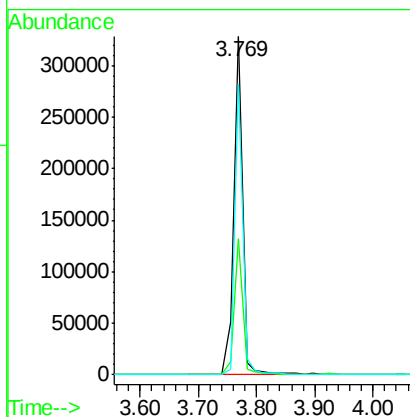
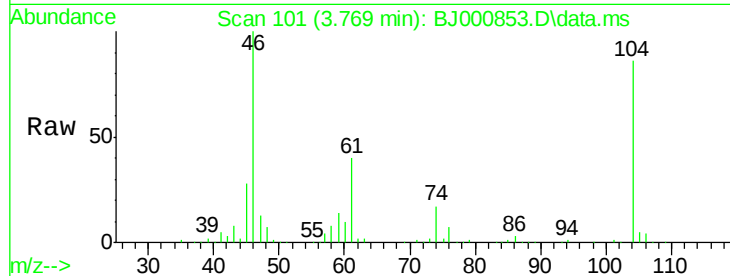
46 100

61 40.0 22.0 62.0

104 85.8 73.6 113.6

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:46 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.046 min Scan# 261

Delta R.T. -0.002 min

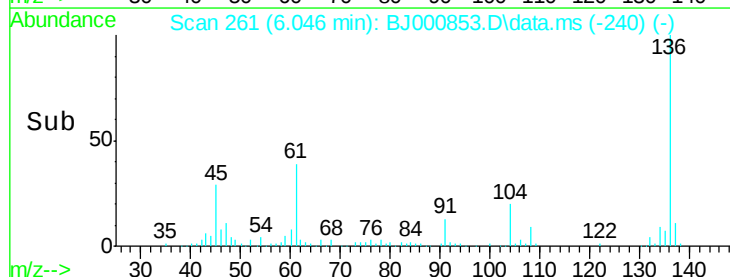
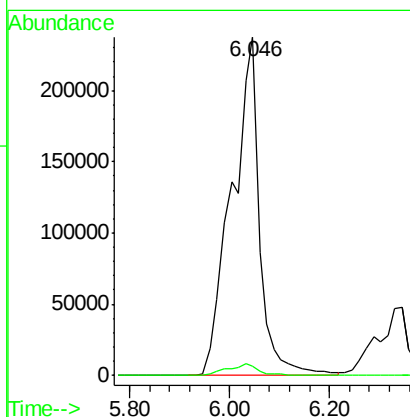
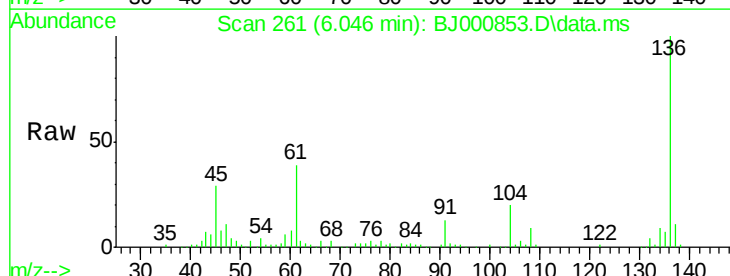
Lab File: BJ000853.D

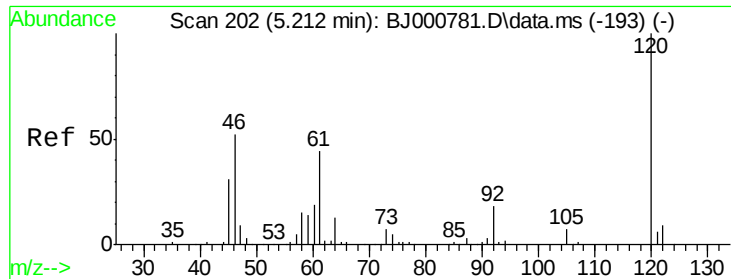
Acq: 28 Apr 2012 2:59

Tgt Ion: 136 Resp: 914945
Ion Ratio Lower Upper

136 100

68 2.8 0.0 23.1





#7

1,4-Dithiane

Concen: 4.96 ug/mL

RT: 5.192 min Scan# 20

Delta R.T. -0.002 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

Instrument :

BNA_J

ClientSampleId :

PB62793BS

Tgt Ion: 46 Resp: 299770

Ion Ratio Lower Upper

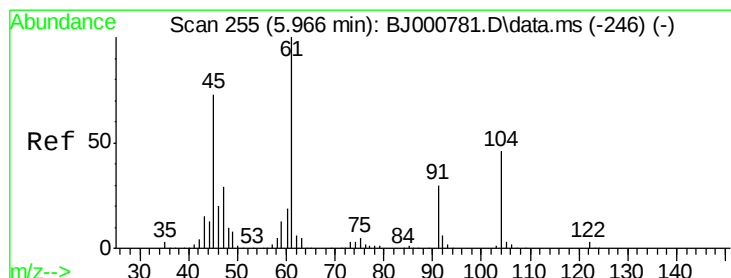
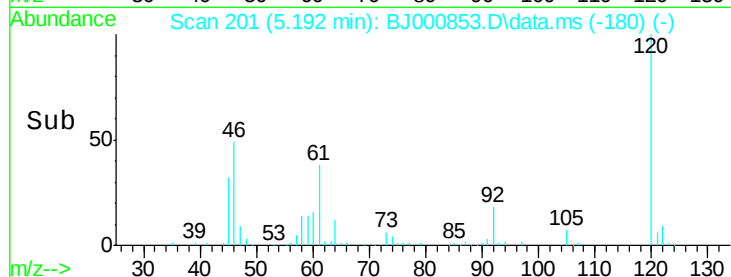
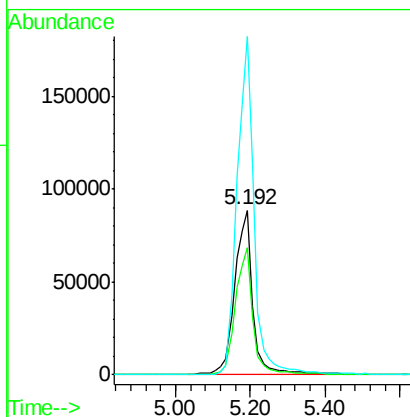
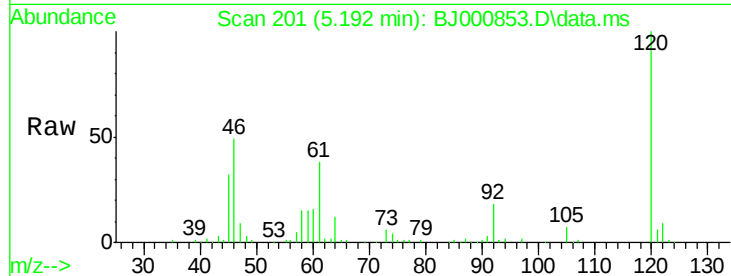
46 100

61 77.4 56.7 96.7

120 205.4 148.6 188.6#

Manual Integrations
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AHPatel
5/3/2012 1:42:46 AM



#8

Thiodiglycol

Concen: 38.67 ug/mL m

RT: 5.975 min Scan# 256

Delta R.T. 0.013 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

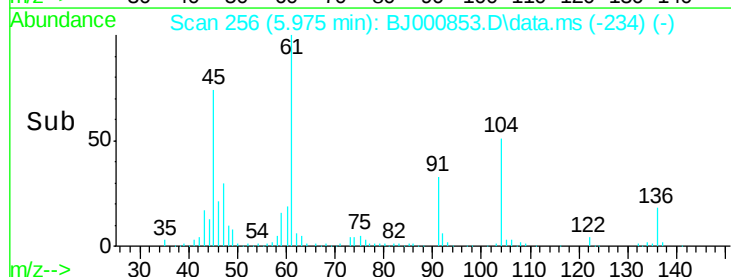
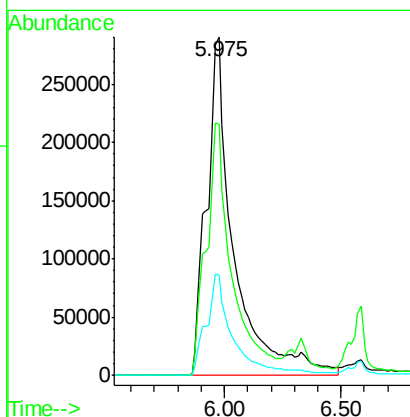
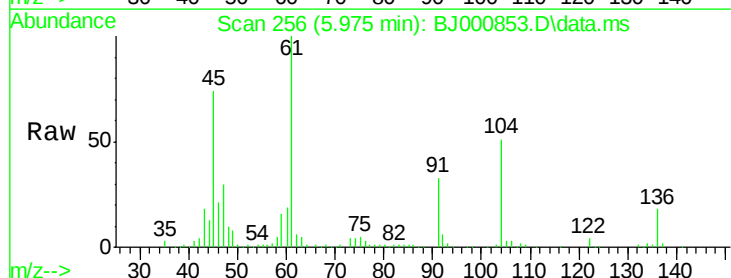
Tgt Ion: 61 Resp: 2345016

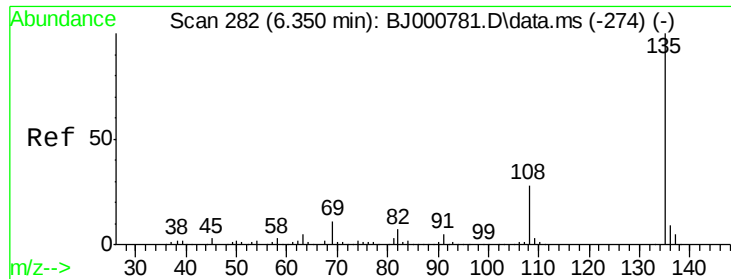
Ion Ratio Lower Upper

61 100

45 74.2 56.4 96.4

47 29.7 10.1 50.1





#9

Benzothiazole

Concen: 10.56 ug/mL

RT: 6.345 min Scan# 28

Delta R.T. -0.002 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

Instrument :

BNA_J

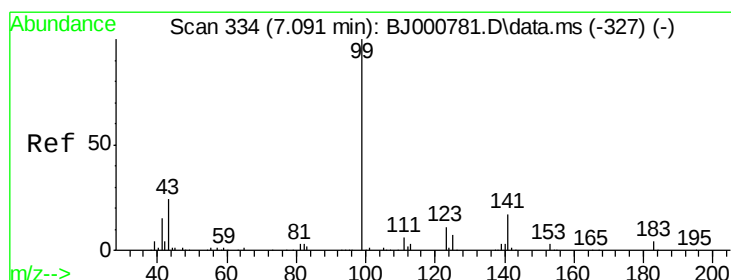
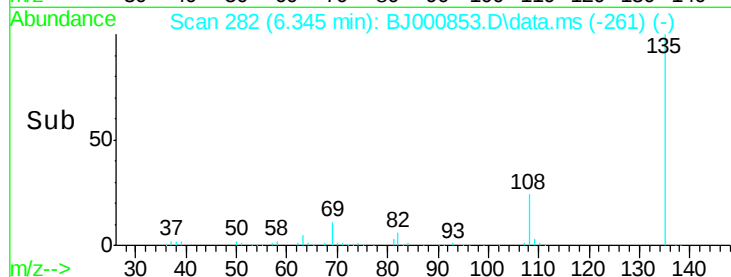
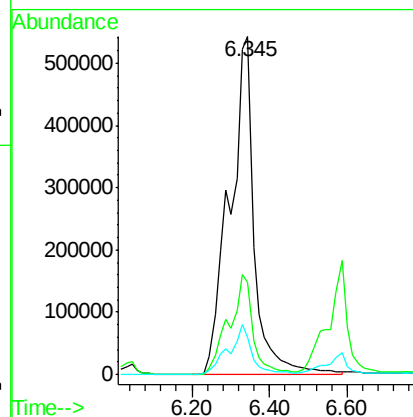
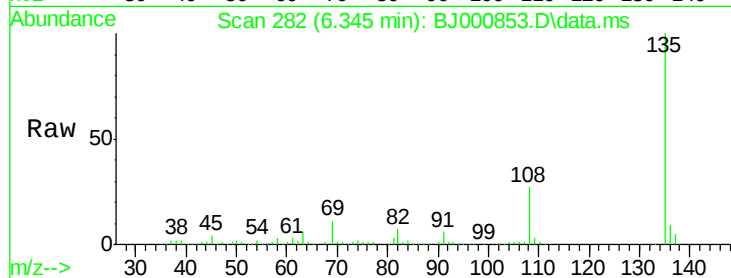
ClientSampleID :

PB62793BS

Tgt Ion:	135	Resp:	2405120
Ion Ratio	Lower	Upper	
135	100		
108	27.3	7.0	47.0
69	11.1	0.0	30.4

Manual Integrations
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AHPatel
5/3/2012 1:42:46 AM



#10

Tripropylphosphate

Concen: 0.60 ug/mL

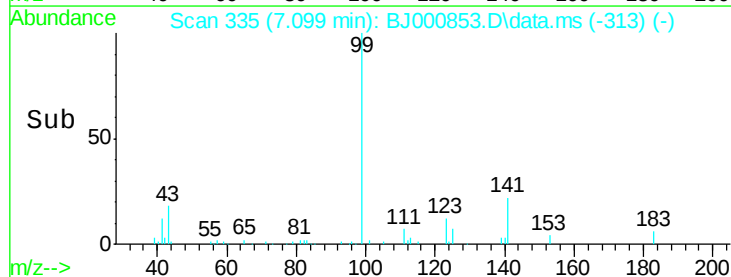
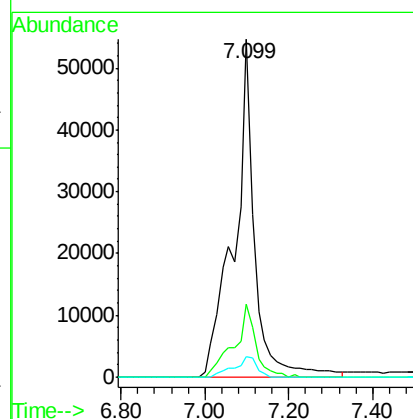
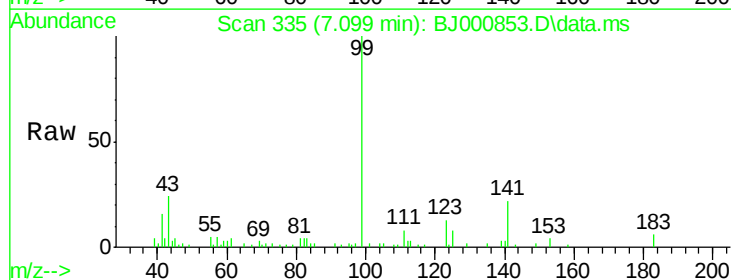
RT: 7.099 min Scan# 335

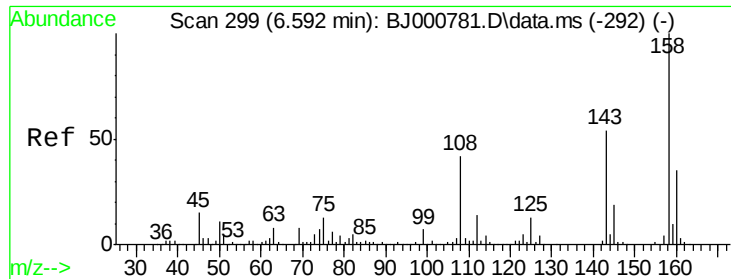
Delta R.T. 0.013 min

Lab File: BJ000853.D

Acq: 28 Apr 2012 2:59

Tgt Ion:	99	Resp:	187679
Ion Ratio	Lower	Upper	
99	100		
141	22.9	18.7	28.1
183	6.8	6.2	9.2





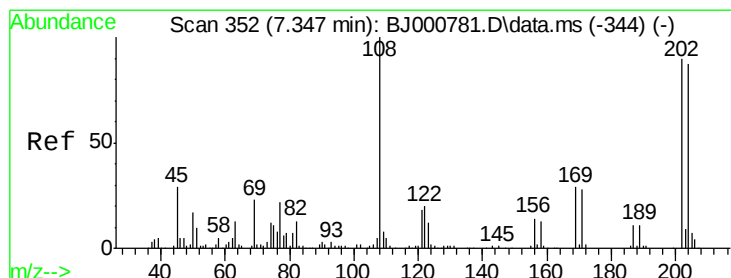
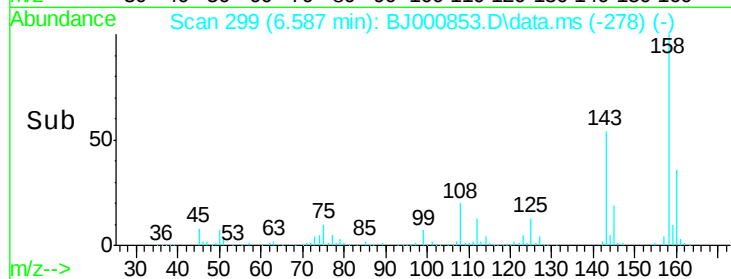
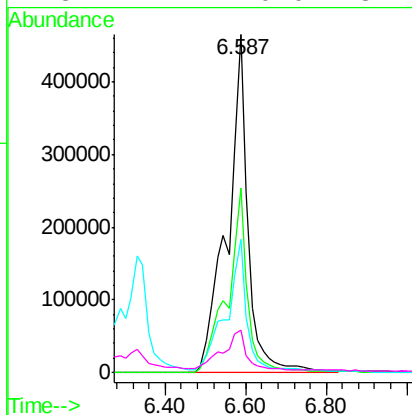
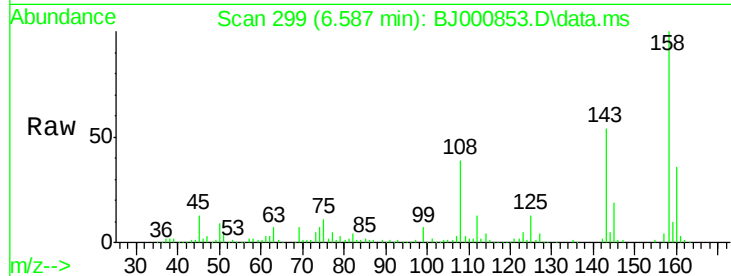
#11
 p-Chlorophenylmethylsulfide
 Concen: 10.48 ug/mL
 RT: 6.587 min Scan# 299
 Delta R.T. -0.002 min
 Lab File: BJ000853.D
 Acq: 28 Apr 2012 2:59

Instrument :
 BNA_J
 ClientSampleId :
 PB62793BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1650814		
143	54.4	32.7	72.7	
108	39.3	18.7	58.7	
45	12.7	0.0	31.9	

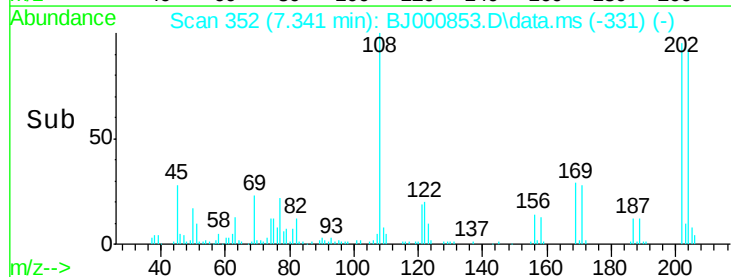
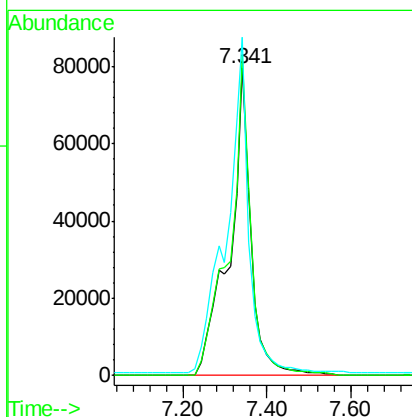
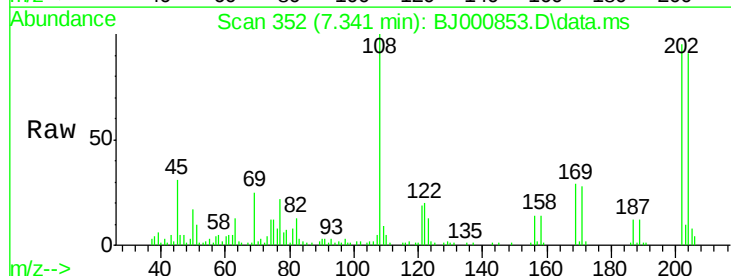
Manual Integrations
 APPROVED

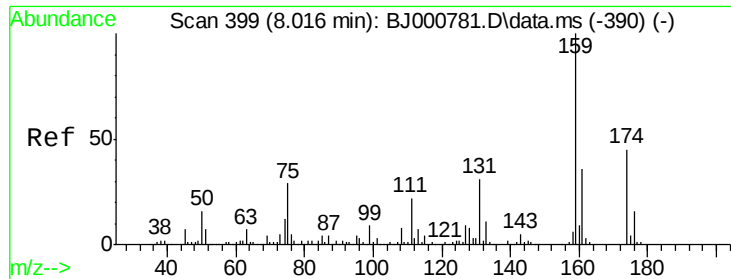
AHPatel
 5/3/2012 1:42:46 AM



#12
 2-Bromothioanisole
 Concen: 4.76 ug/mL
 RT: 7.341 min Scan# 352
 Delta R.T. -0.002 min
 Lab File: BJ000853.D
 Acq: 28 Apr 2012 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	285459		
202	104.2	82.9	122.9	
108	110.1	70.0	110.0#	





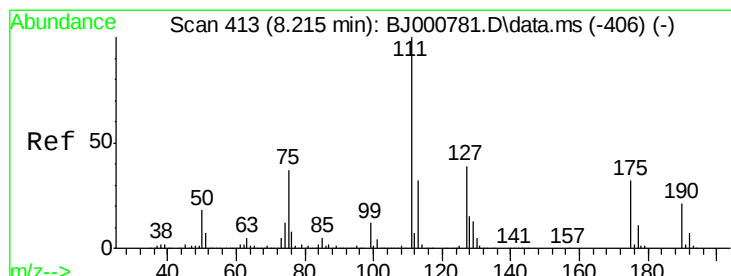
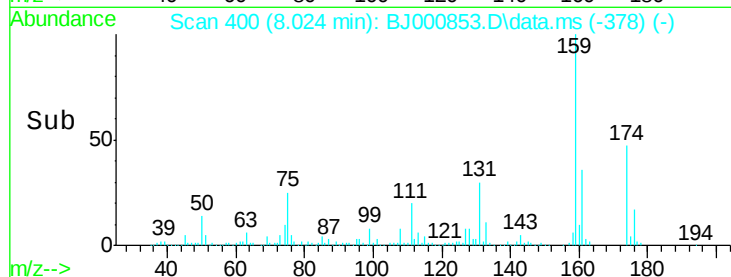
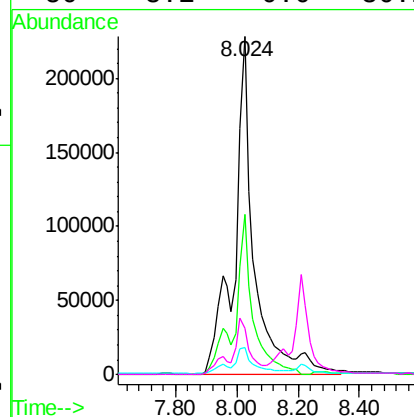
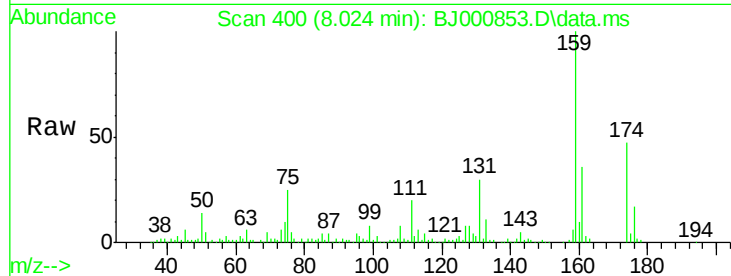
#13
p-Chlorophenylmethylsulfoxide
Concen: 11.77 ug/mL m
RT: 8.024 min Scan# 40
Delta R.T. 0.013 min
Lab File: BJ000853.D
Acq: 28 Apr 2012 2:59

Instrument :
BNA_J
ClientSampleId :
PB62793BS

Tgt Ion:159 Resp: 1034112
Ion Ratio Lower Upper
159 100
174 33.7 28.0 68.0
108 5.5 0.0 28.5
50 8.1 0.0 36.1

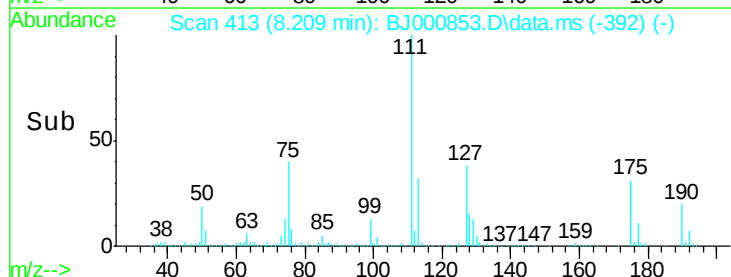
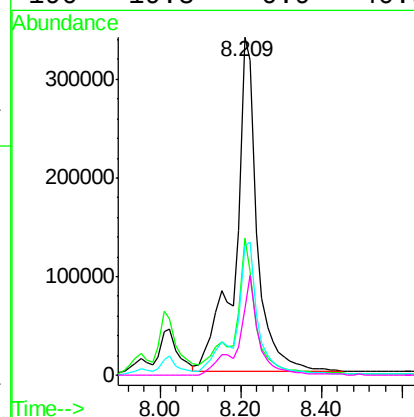
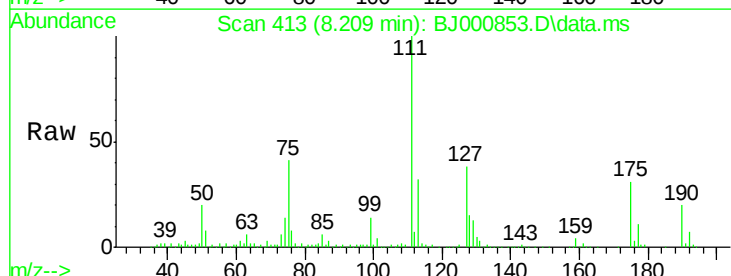
Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:46 AM



#14
p-Chlorophenylmethylsulfone
Concen: 9.76 ug/mL
RT: 8.209 min Scan# 413
Delta R.T. -0.002 min
Lab File: BJ000853.D
Acq: 28 Apr 2012 2:59

Tgt Ion:111 Resp: 1265115
Ion Ratio Lower Upper
111 100
75 40.7 18.5 58.5
127 38.1 19.3 59.3
190 19.8 0.9 40.9



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000853.D
 Acq On : 28 Apr 2012 2:59
 Operator : HLM
 Sample : PB62793BS
 Misc : WATER BNA_J HLM
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62793BS

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:46 AM

Quant Time: May 03 01:42:31 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Mon Apr 30 10:31:38 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.737	152	229413	2.00	ug/mL	-0.02
6) Naphthalene-d8	6.046	136	914945	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.099	99	187679	0.60	ug/mL	0.01
Spiked Amount 0.500	Range	70 - 130	Recovery	=	120.00%	
12) 2-Bromothioanisole	7.341	204	285459	4.76	ug/mL	0.00
Spiked Amount 5.000	Range	70 - 130	Recovery	=	95.20%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.830	94	259742m	3.07	ug/mL	
3) DMMP	3.655	79	121900	1.69	ug/mL#	77
4) DIMP	5.064	97	393664	1.95	ug/mL	94
5) 1,4-Oxathiane	3.769	46	346666	4.26	ug/mL	93
7) 1,4-Dithiane	5.192	46	299770	4.96	ug/mL#	81
8) Thiodiglycol	5.975	61	2345016m	38.67	ug/mL	
9) Benzothiazole	6.345	135	2405120	10.56	ug/mL	99
11) p-Chlorophenylmethyisu...	6.587	158	1650814	10.48	ug/mL	98
13) p-Chlorophenylmethyisu...	8.024	159	1034112m	11.77	ug/mL	
14) p-Chlorophenylmethyisu...	8.209	111	1265115	9.76	ug/mL	97

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