

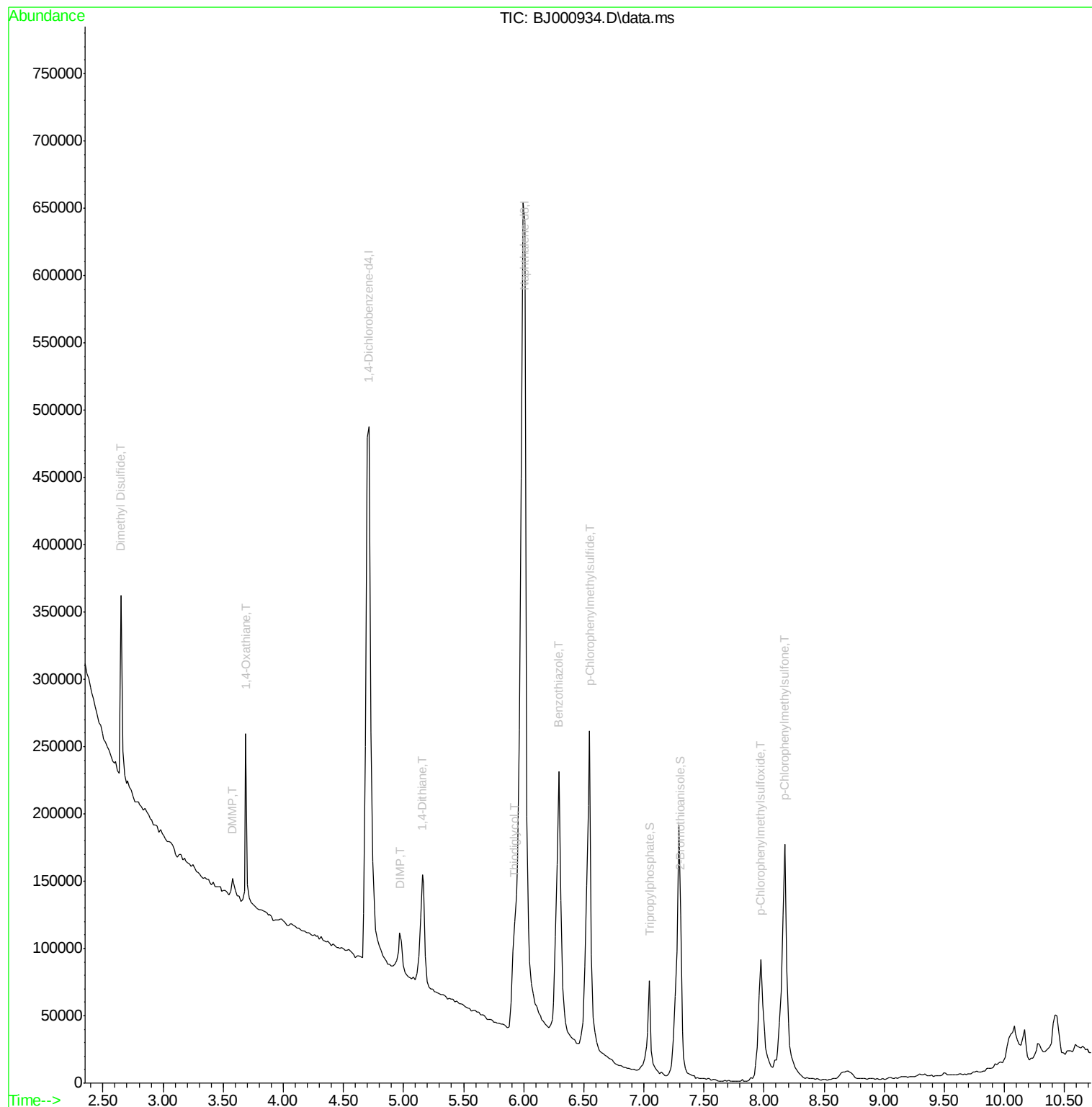
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000934.D
Acq On : 8 Jun 2012 14:20
Operator : HLM
Sample : CWA-2
Misc : BNA_J HLM
ALS Vial : 6 Sample Multiplier: 1

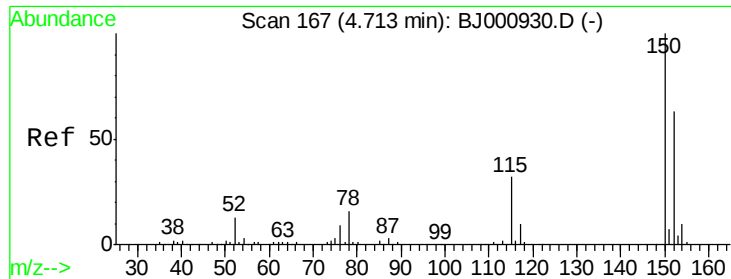
Instrument :
BNA_J
ClientSampleId :
CWA-2

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:09 AM

Quant Time: Jun 13 07:46:04 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jun 08 15:35:00 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.714 min Scan# 16

Delta R.T. 0.001 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Instrument :

BNA_J

ClientSampleId :

CWA-2

Tgt Ion:152 Resp: 234207

Ion Ratio Lower Upper

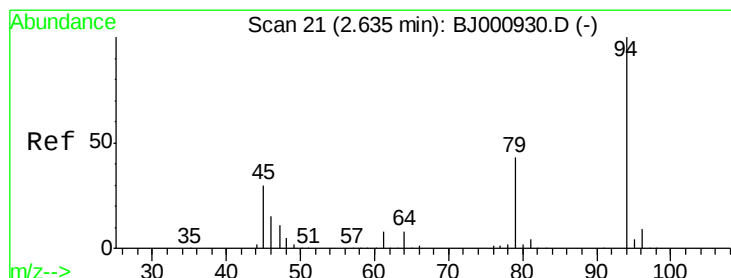
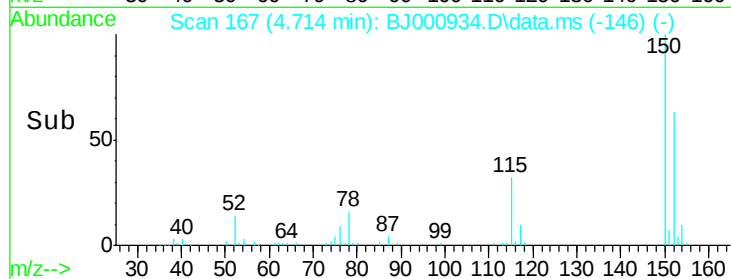
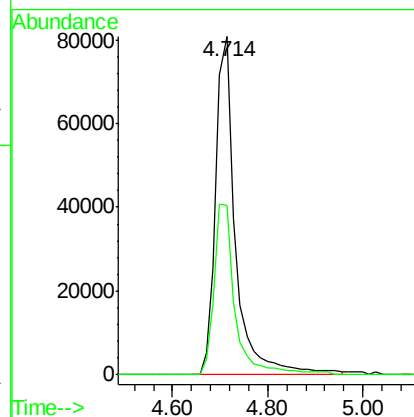
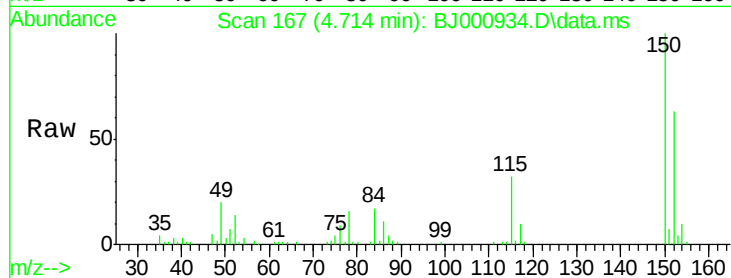
152 100

115 50.1 30.6 70.6

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 0.43 ug/mL

RT: 2.650 min Scan# 22

Delta R.T. 0.015 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

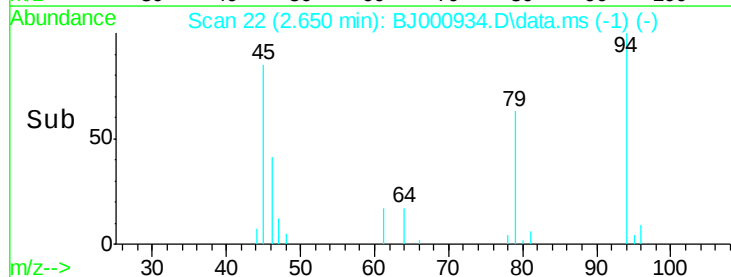
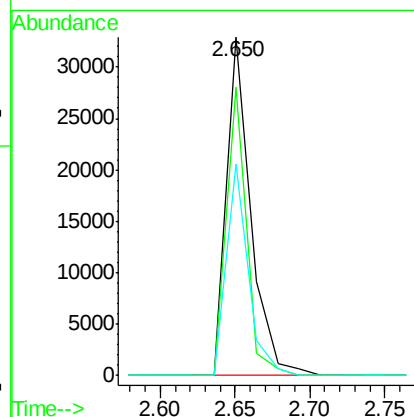
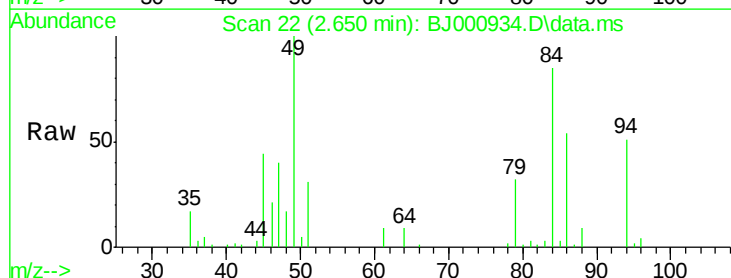
Tgt Ion: 94 Resp: 37473

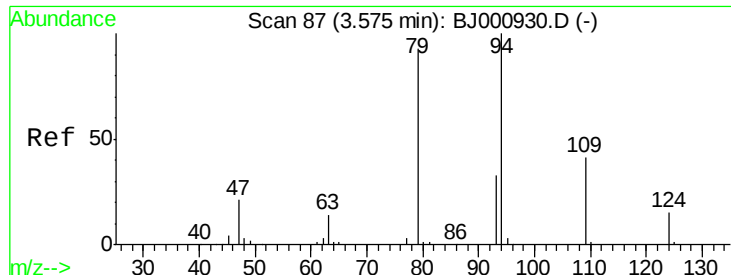
Ion Ratio Lower Upper

94 100

45 85.2 11.1 51.1#

79 62.6 22.9 62.9





#3

DMMP

Concen: 0.24 ug/mL

RT: 3.575 min Scan# 87

Delta R.T. 0.001 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Instrument :

BNA_J

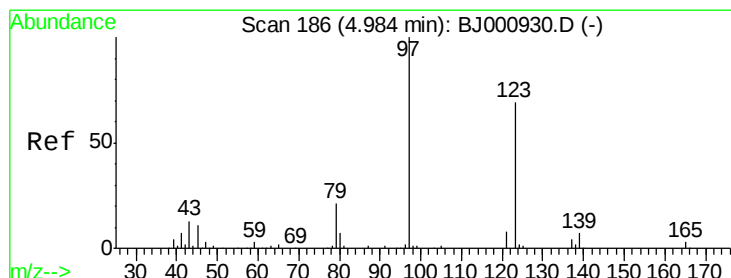
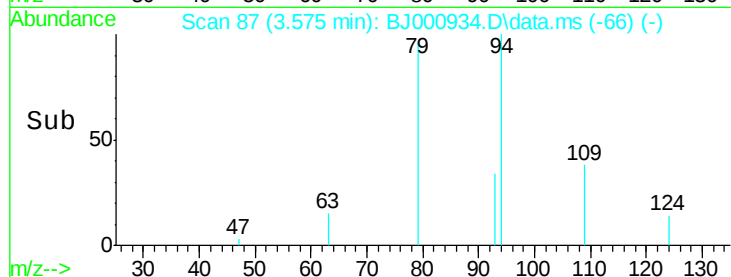
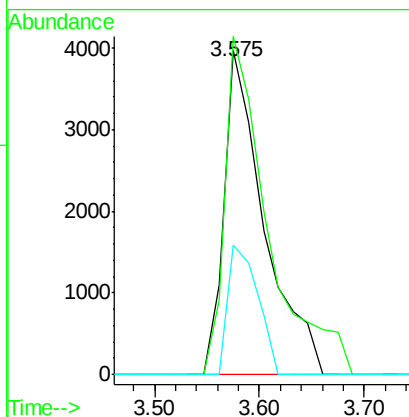
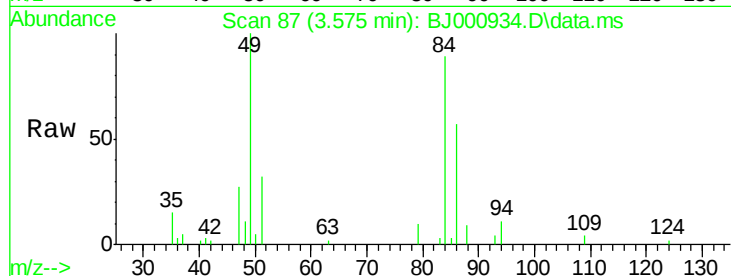
ClientSampleId :

CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	10587		
94	104.4	87.0	127.0	
109	40.2	24.1	64.1	

Manual Integrations
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6/14/2012 12:45:09 AM



#4

DIMP

Concen: 0.18 ug/mL

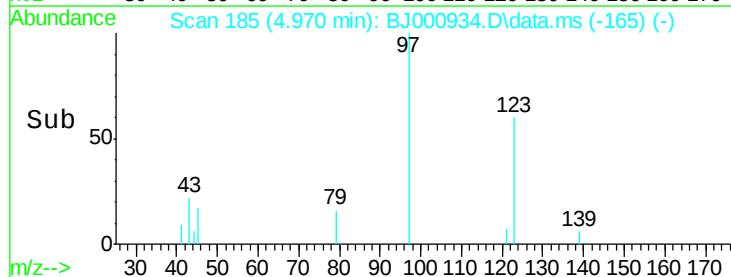
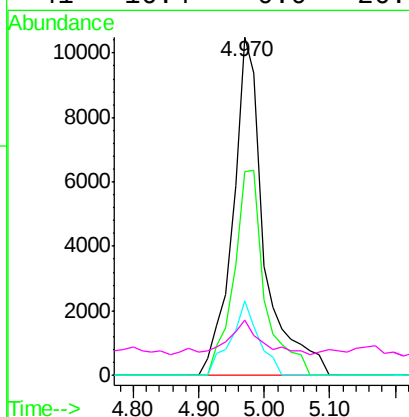
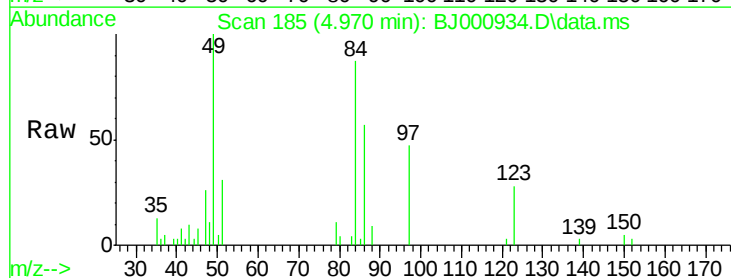
RT: 4.970 min Scan# 185

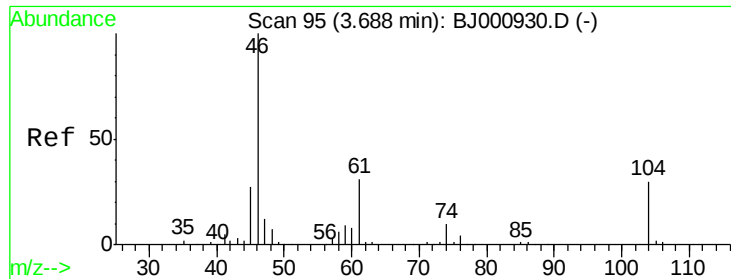
Delta R.T. -0.013 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	34752		
123	60.4	49.1	89.1	
43	22.0	0.0	33.2	
41	16.4	0.0	26.5	





#5

1,4-Oxathiane

Concen: 0.49 ug/mL

RT: 3.689 min Scan# 95

Delta R.T. 0.001 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Instrument :

BNA_J

ClientSampleId :

CWA-2

Tgt Ion: 46 Resp: 40970

Ion Ratio Lower Upper

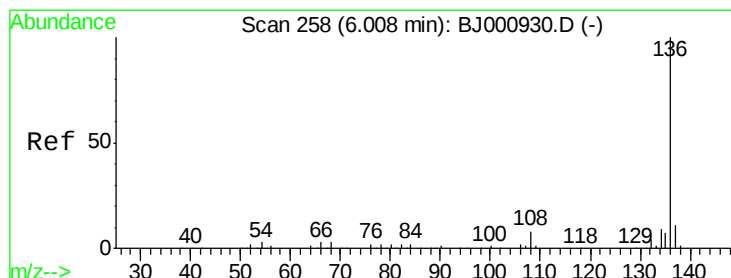
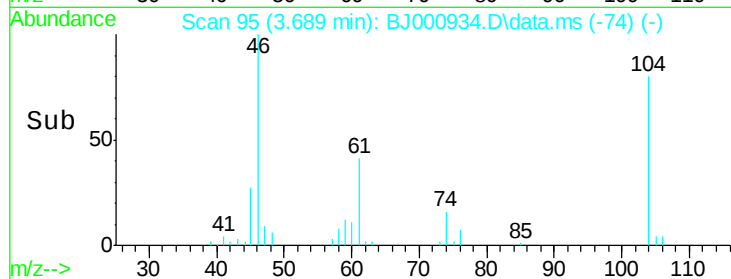
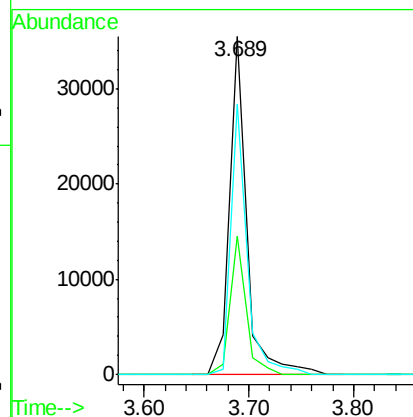
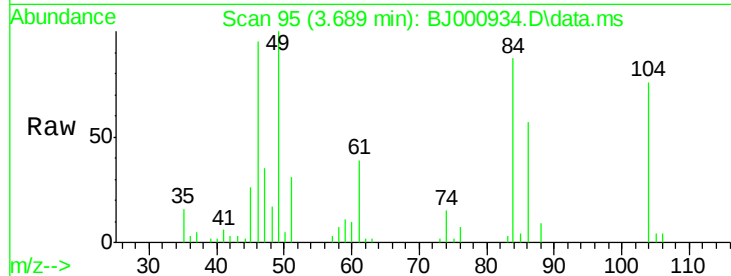
46 100

61 41.1 11.2 51.2

104 80.0 10.0 50.0#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.009 min Scan# 258

Delta R.T. 0.001 min

Lab File: BJ000934.D

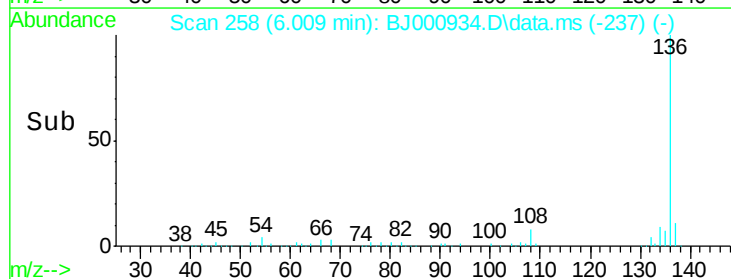
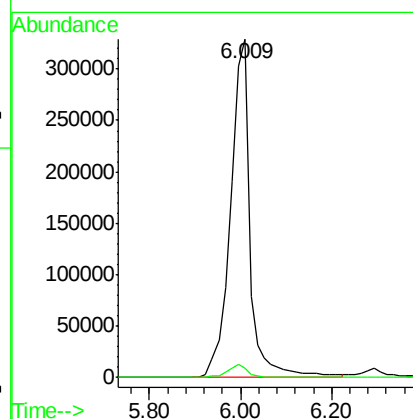
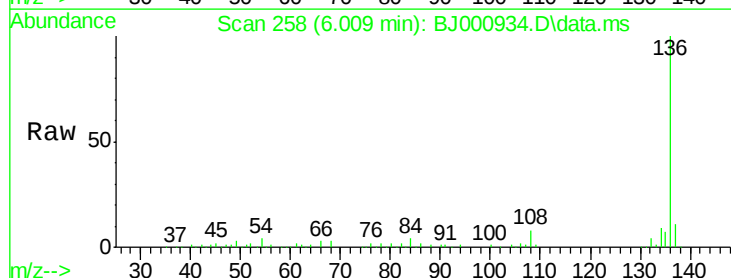
Acq: 8 Jun 2012 14:20

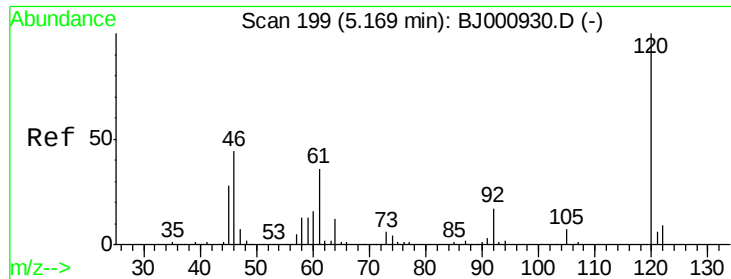
Tgt Ion: 136 Resp: 988910

Ion Ratio Lower Upper

136 100

68 2.6 0.0 22.7





#7

1,4-Dithiane

Concen: 0.51 ug/mL

RT: 5.155 min Scan# 19

Delta R.T. -0.013 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Instrument :

BNA_J

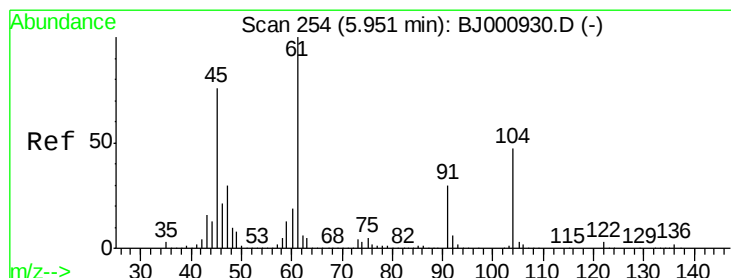
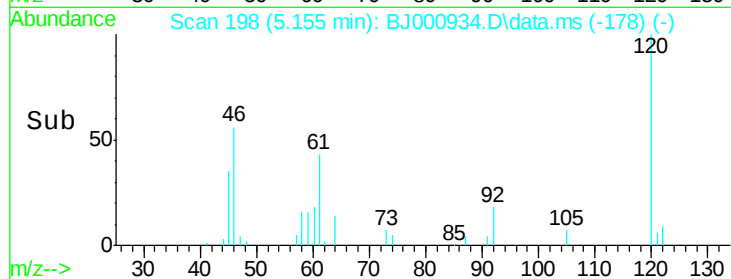
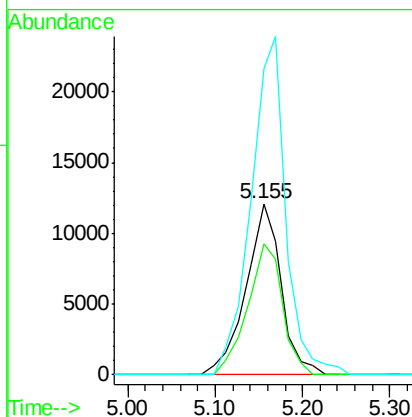
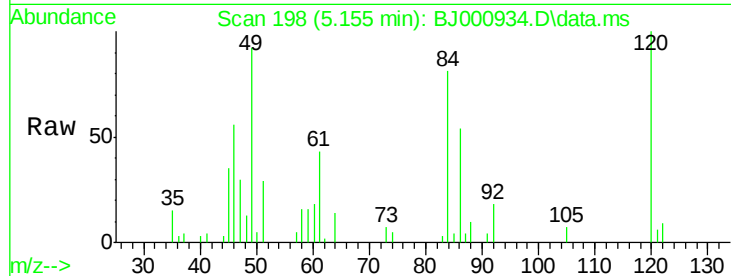
ClientSampled :

CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
46	100			
61	76.8	61.9	101.9	
120	179.4	208.1	248.1	

Manual Integrations
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AHPatel
6/14/2012 12:45:09 AM



#8

Thiodiglycol

Concen: 4.69 ug/mL m

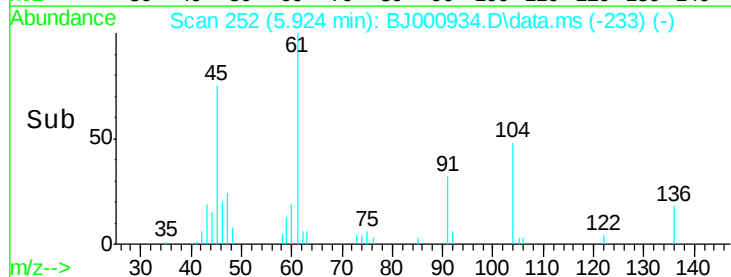
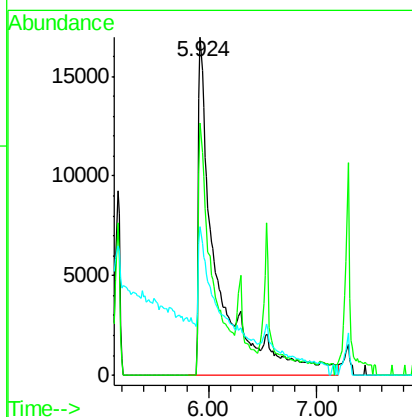
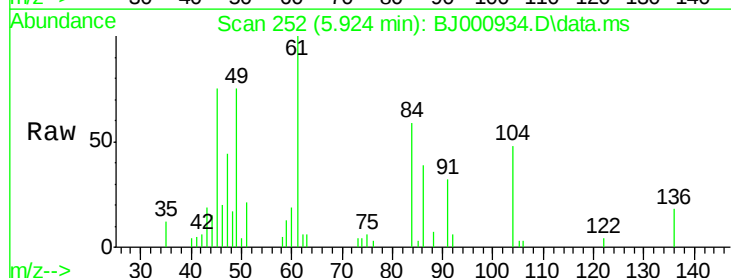
RT: 5.924 min Scan# 252

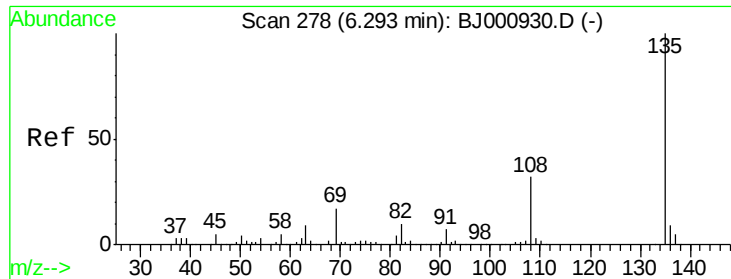
Delta R.T. -0.028 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
61	100			
45	74.8	56.3	96.3	
47	44.1	10.1	50.1	





#9

Benzothiazole

Concen: 1.02 ug/mL

RT: 6.294 min Scan# 27

Delta R.T. 0.001 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Instrument :

BNA_J

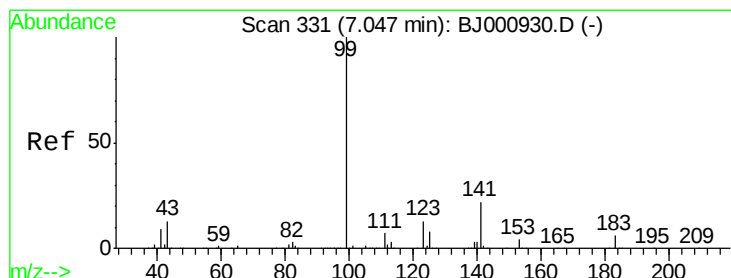
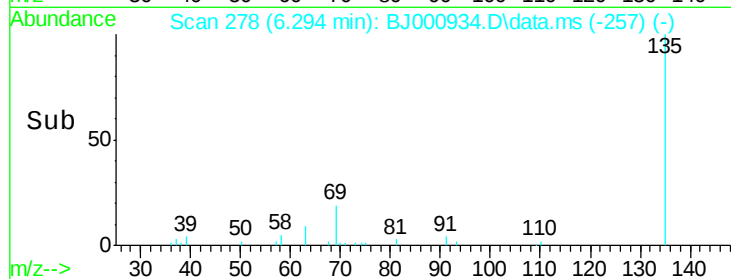
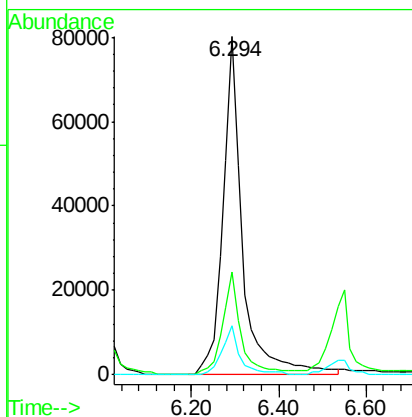
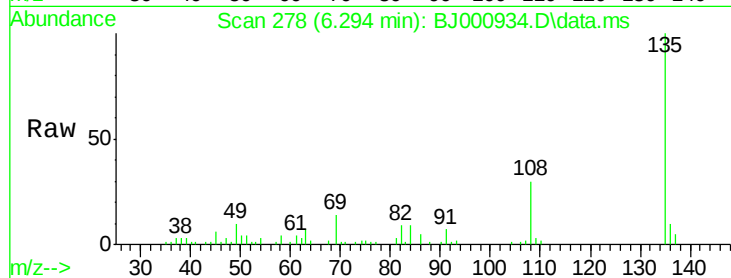
ClientSampled :

CWA-2

Tgt Ion:	135	Resp:	249906
Ion Ratio	Lower	Upper	
135	100		
108	30.4	12.0	52.0
69	14.5	0.0	36.6

Manual Integrations
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6/14/2012 12:45:09 AM



#10

Tripropylphosphate

Concen: 0.20 ug/mL

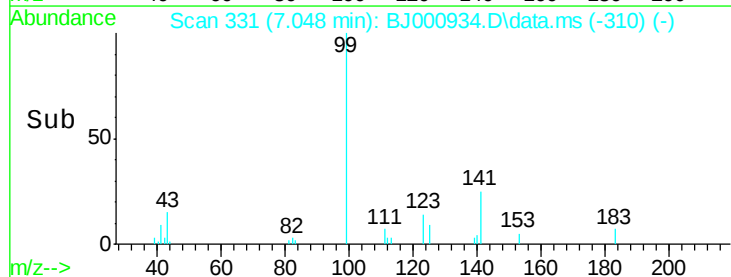
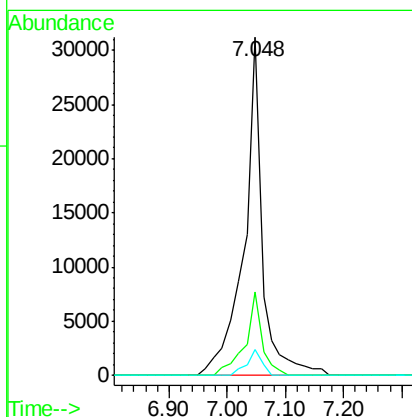
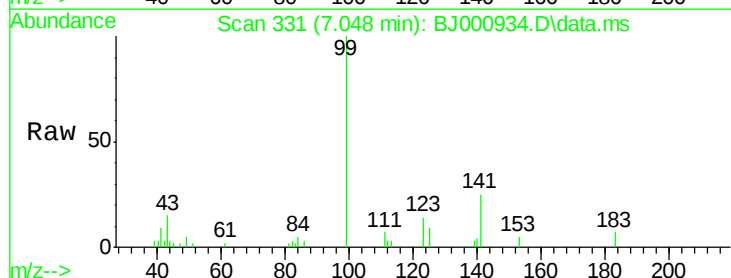
RT: 7.048 min Scan# 331

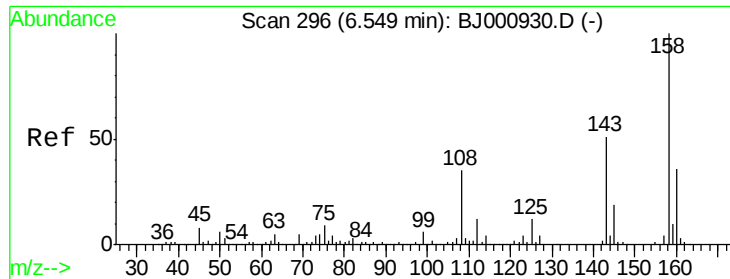
Delta R.T. 0.001 min

Lab File: BJ000934.D

Acq: 8 Jun 2012 14:20

Tgt Ion:	99	Resp:	68024
Ion Ratio	Lower	Upper	
99	100		
141	22.4	18.5	27.7
183	6.1	5.8	8.8





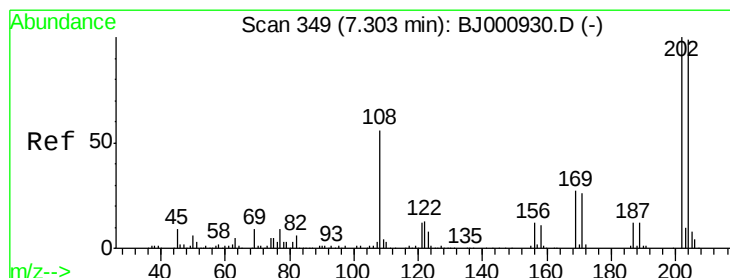
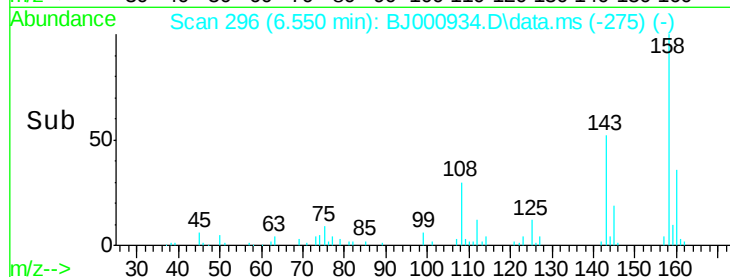
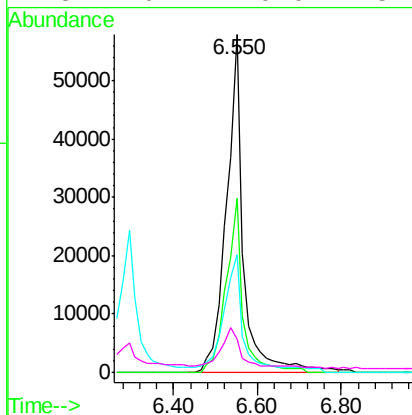
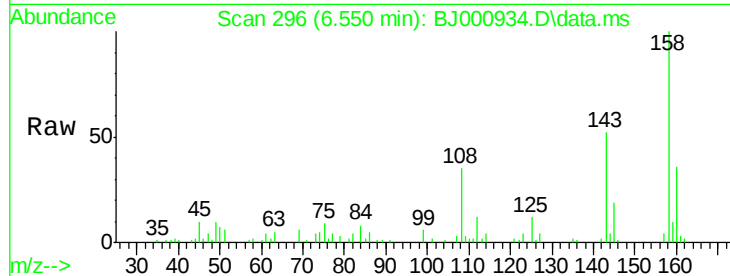
#11
p-Chlorophenylmethylsulfide
Concen: 0.96 ug/mL
RT: 6.550 min Scan# 29
Delta R.T. 0.001 min
Lab File: BJ000934.D
Acq: 8 Jun 2012 14:20

Instrument :
BNA_J
ClientSampled :
CWA-2

Tgt Ion:	158	Resp:	163757
Ion Ratio	Lower	Upper	
158	100		
143	51.6	31.3	71.3
108	34.8	14.9	54.9
45	10.1	0.0	28.5

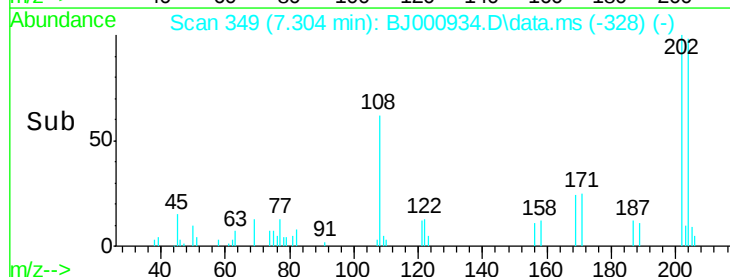
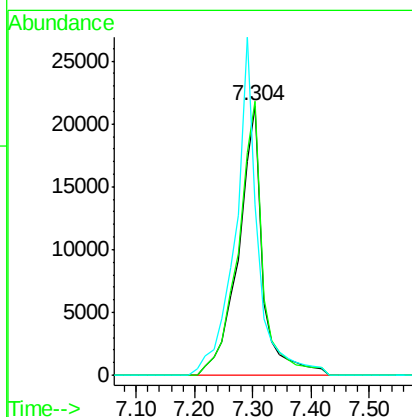
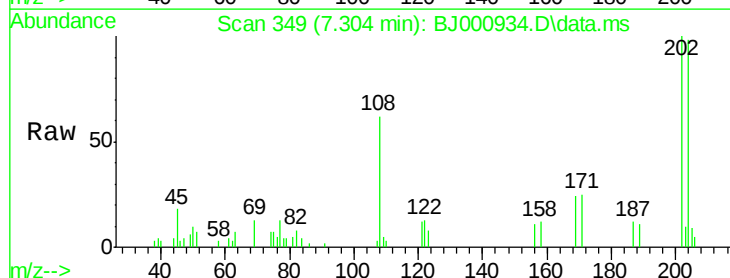
Manual Integrations
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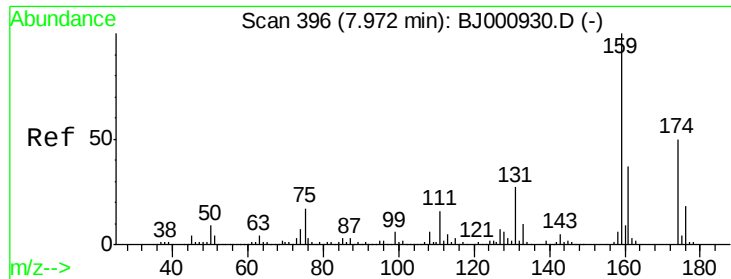
AHPatel
6/14/2012 12:45:09 AM



#12
2-Bromothioanisole
Concen: 0.96 ug/mL
RT: 7.304 min Scan# 349
Delta R.T. 0.001 min
Lab File: BJ000934.D
Acq: 8 Jun 2012 14:20

Tgt Ion:	204	Resp:	62253
Ion Ratio	Lower	Upper	
204	100		
202	101.9	81.4	121.4
108	63.2	37.1	77.1





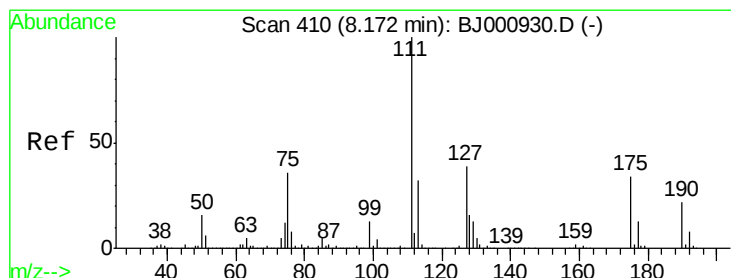
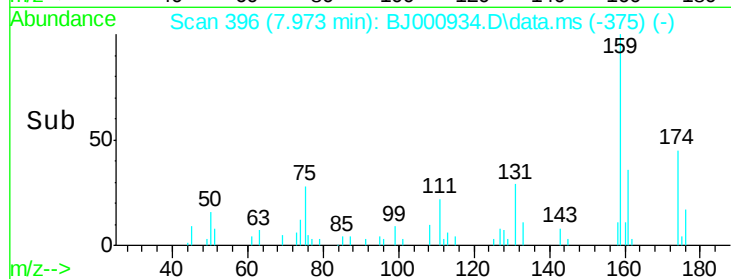
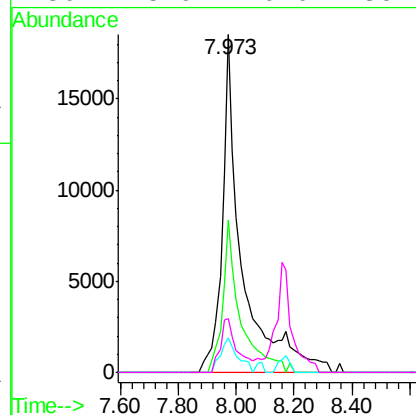
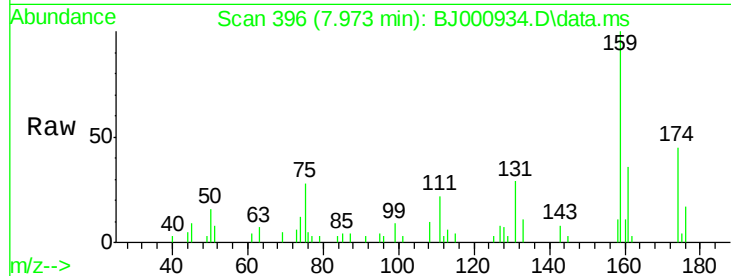
#13
p-Chlorophenylmethylsulfoxide
Concen: 0.93 ug/mL m
RT: 7.973 min Scan# 39
Delta R.T. 0.001 min
Lab File: BJ000934.D
Acq: 8 Jun 2012 14:20

Instrument :
BNA_J
ClientSampleId :
CWA-2

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	88313		
174	40.3	27.0	67.0	
108	8.9	0.0	28.3	
50	13.9	0.0	36.8	

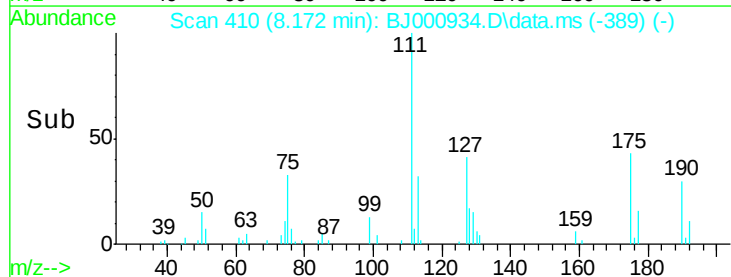
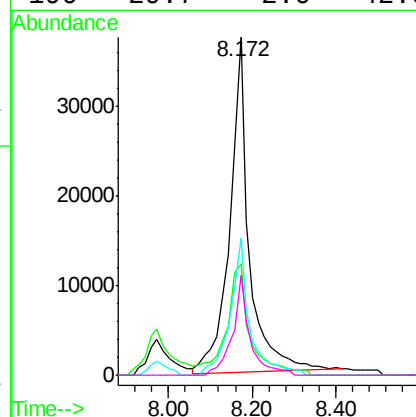
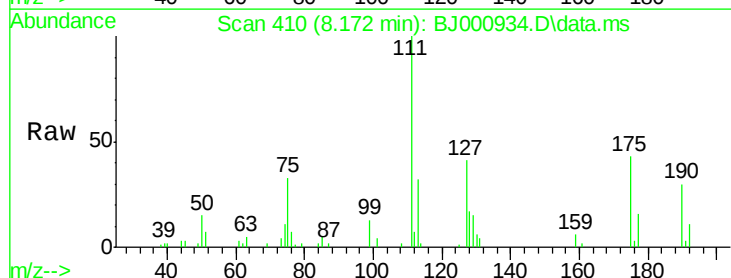
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 0.85 ug/mL
RT: 8.172 min Scan# 410
Delta R.T. 0.001 min
Lab File: BJ000934.D
Acq: 8 Jun 2012 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	119723		
75	33.0	16.5	56.5	
127	40.7	19.3	59.3	
190	29.7	2.0	42.0	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000934.D
 Acq On : 8 Jun 2012 14:20
 Operator : HLM
 Sample : CWA-2
 Misc : BNA_J HLM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-2

Manual Integrations
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AHPatel
 6/14/2012 12:45:09 AM

Quant Time: Jun 13 07:46:04 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jun 08 15:35:00 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.714	152	234207	2.00	ug/mL	0.00
6) Naphthalene-d8	6.009	136	988910	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.048	99	68024	0.20	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	40.00%#	
12) 2-Bromothioanisole	7.304	204	62253	0.96	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	19.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.650	94	37473	0.43	ug/mL#	41
3) DMMP	3.575	79	10587	0.24	ug/mL	96
4) DIMP	4.970	97	34752	0.18	ug/mL	86
5) 1,4-Oxathiane	3.689	46	40970	0.49	ug/mL#	46
7) 1,4-Dithiane	5.155	46	33625	0.51	ug/mL#	77
8) Thiodiglycol	5.924	61	203323m	4.69	ug/mL	
9) Benzothiazole	6.294	135	249906	1.02	ug/mL	96
11) p-Chlorophenylmethyisu...	6.550	158	163757	0.96	ug/mL	99
13) p-Chlorophenylmethyisu...	7.973	159	88313m	0.93	ug/mL	
14) p-Chlorophenylmethyisu...	8.172	111	119723	0.85	ug/mL	93

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