

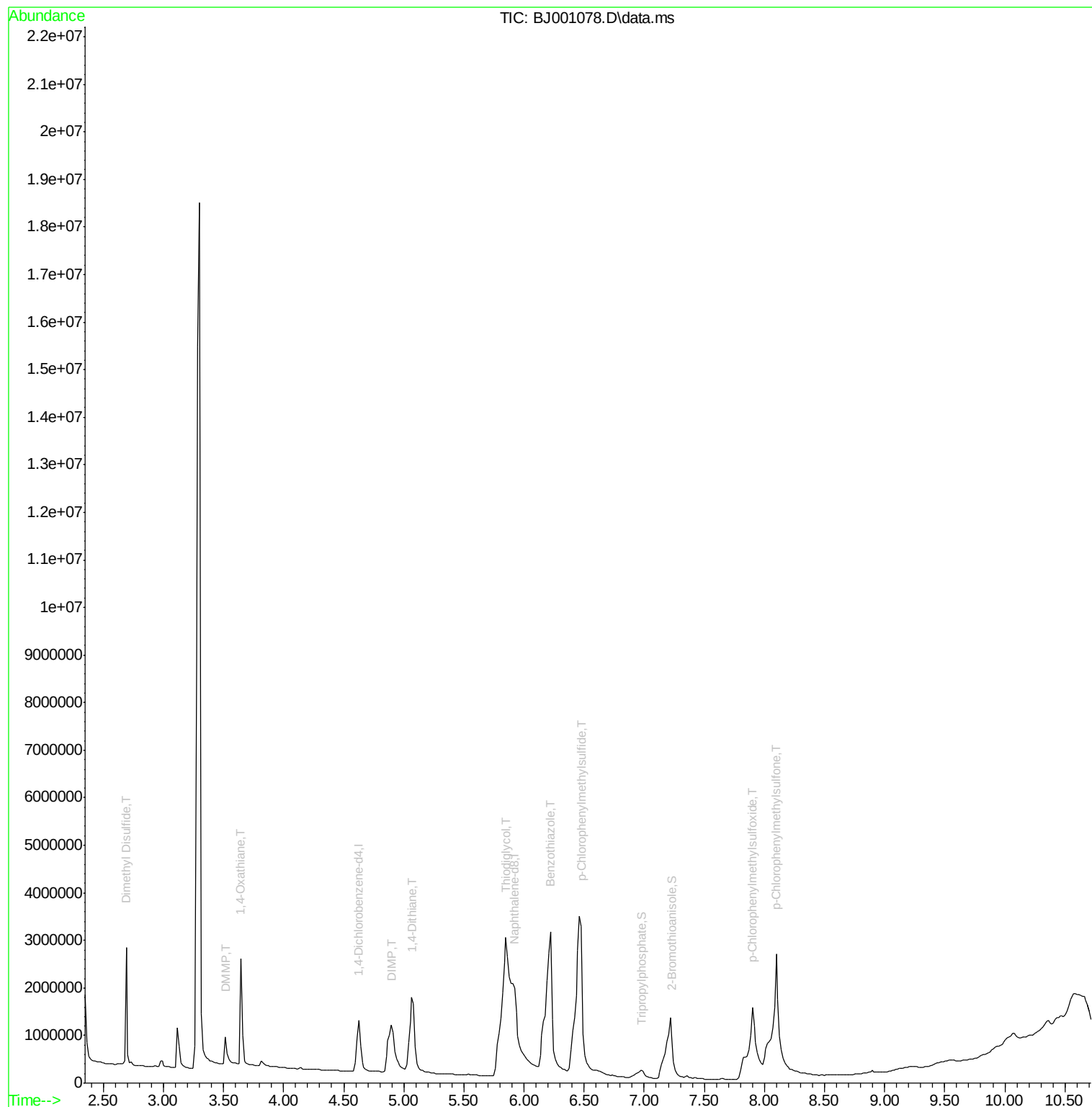
Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
Data File : BJ001078.D
Acq On : 16 Aug 2012 16:27
Operator : HLM
Sample : PB64985BSD
Misc : WATER BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

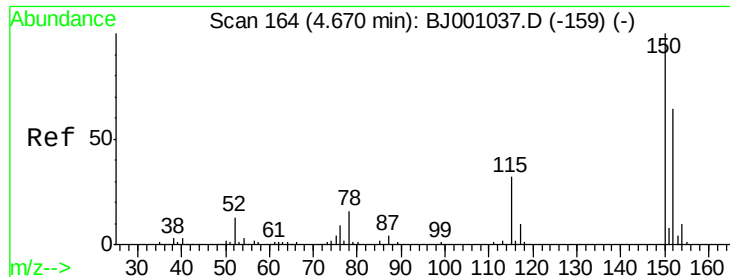
Instrument :
BNA_J
ClientSampleId :
PB64985BSD

Manual Integrations
APPROVED

AHPatel
8/20/2012 2:30:28 AM

Quant Time: Aug 20 03:53:14 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Aug 17 10:52:26 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.625 min Scan# 16

Delta R.T. -0.006 min

Lab File: BJ001078.D

Acq: 16 Aug 2012 16:27

Instrument :

BNA_J

ClientSampleId :

PB64985BSD

Tgt Ion:152 Resp: 427552

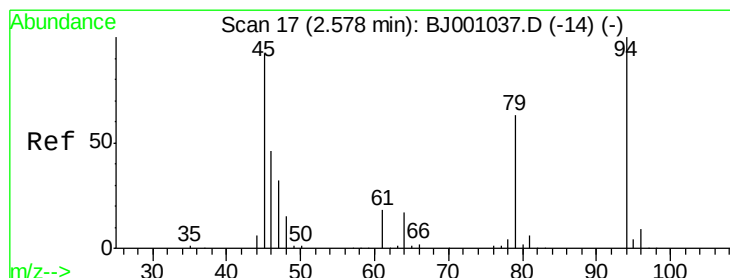
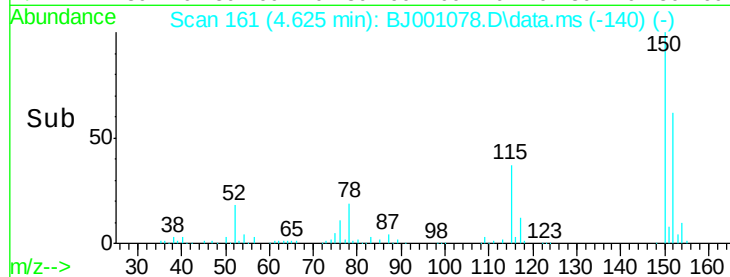
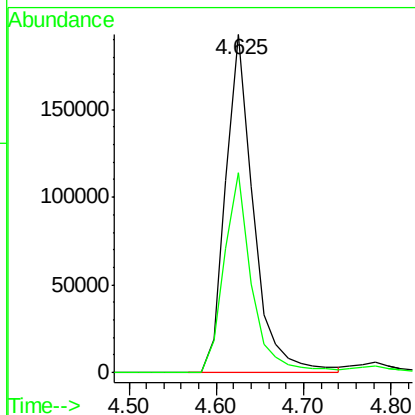
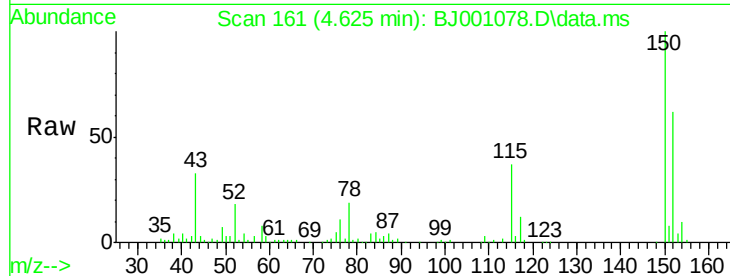
Ion Ratio Lower Upper

152 100

115 59.2 40.2 80.2

Manual Integrations
APPROVED

AHPatel
8/20/2012 2:30:28 AM



#2

Dimethyl Disulfide

Concen: 4.78 ug/mL

RT: 2.690 min Scan# 25

Delta R.T. 0.137 min

Lab File: BJ001078.D

Acq: 16 Aug 2012 16:27

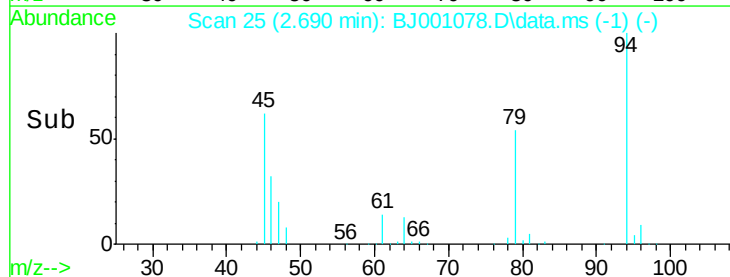
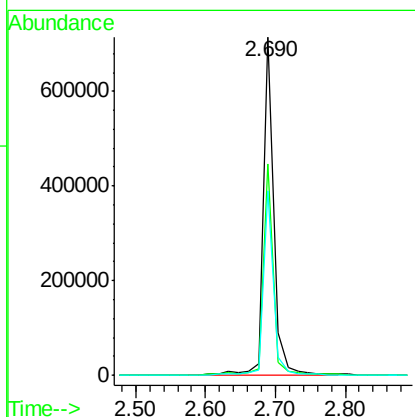
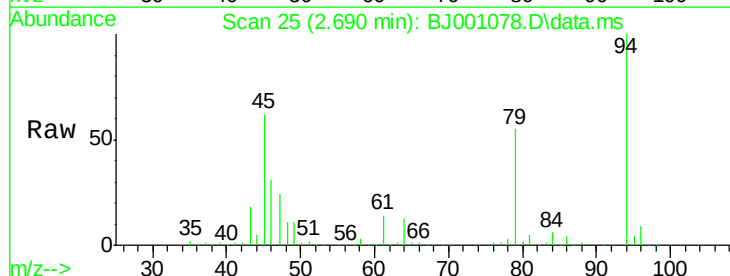
Tgt Ion: 94 Resp: 764385

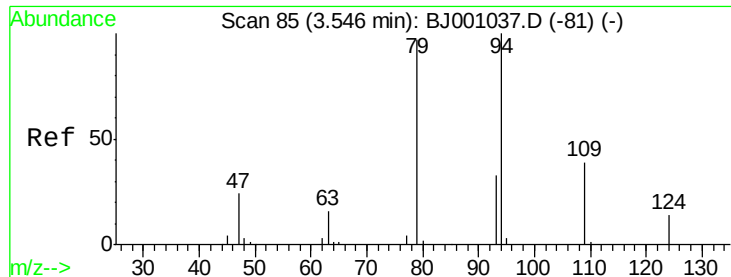
Ion Ratio Lower Upper

94 100

45 62.4 29.6 69.6

79 54.5 28.5 68.5





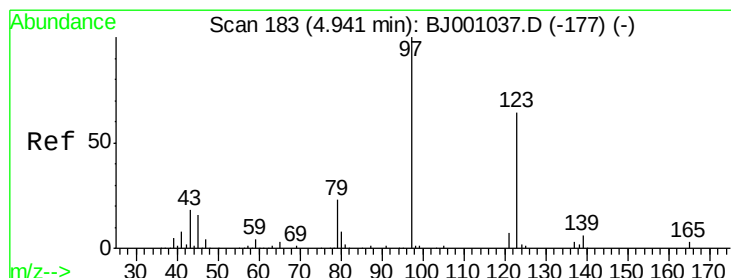
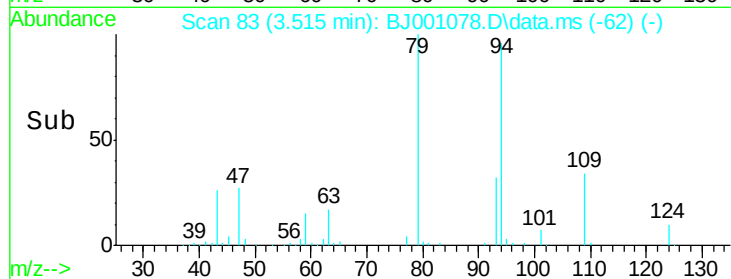
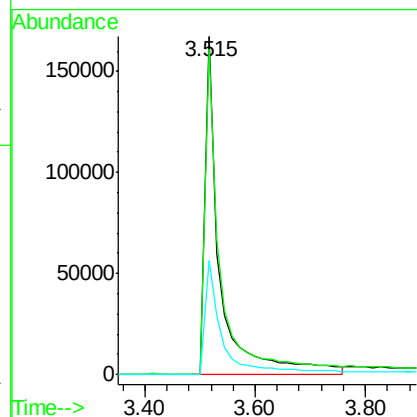
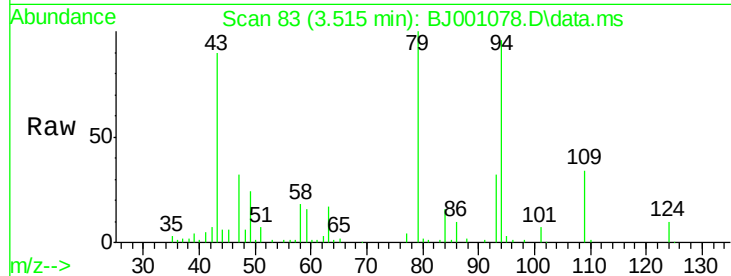
#3
DMMP
Concen: 1.62 ug/mL
RT: 3.515 min Scan# 83
Delta R.T. -0.006 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Instrument :
BNA_J
ClientSampleId :
PB64985BSD

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	312176		
94	96.4	83.9	123.9	
109	33.8	21.6	61.6	

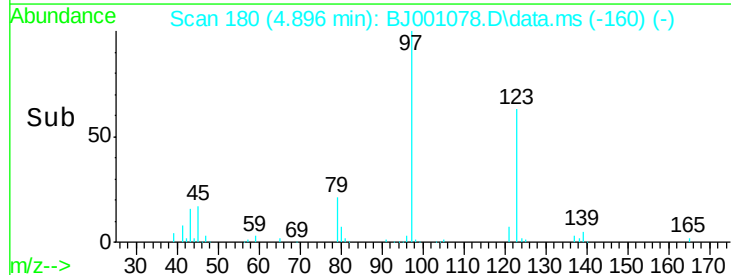
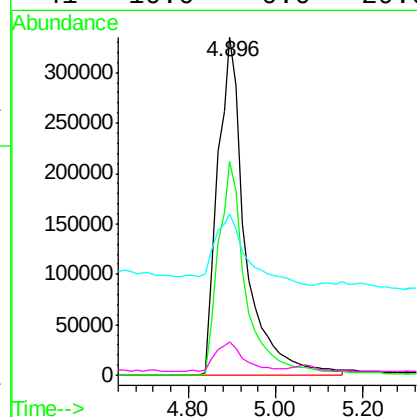
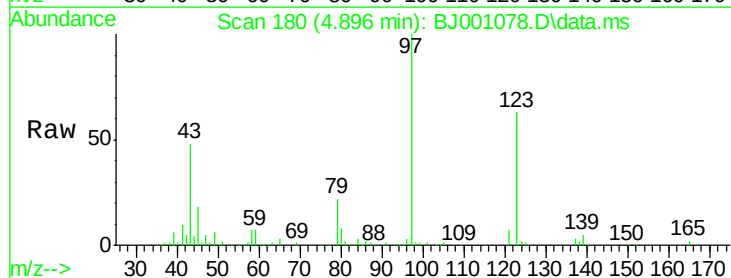
Manual Integrations
APPROVED

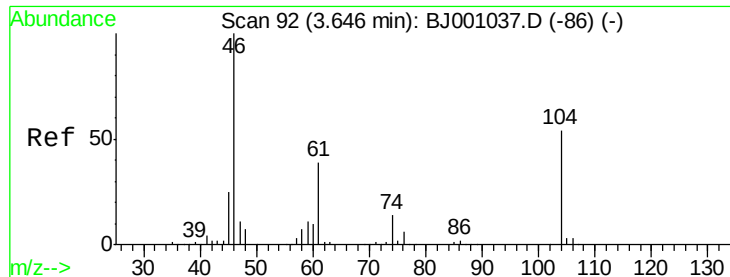
AHPatel
8/20/2012 2:30:28 AM



#4
DIMP
Concen: 3.76 ug/mL
RT: 4.896 min Scan# 180
Delta R.T. -0.020 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1496260		
123	63.1	43.4	83.4	
43	47.8	0.0	37.9	
41	10.0	0.0	29.0	





#5

1,4-Oxathiane

Concen: 4.47 ug/mL

RT: 3.643 min Scan# 92

Delta R.T. 0.023 min

Lab File: BJ001078.D

Acq: 16 Aug 2012 16:27

Instrument :

BNA_J

ClientSampleId :

PB64985BSD

Tgt Ion: 46 Resp: 888607

Ion Ratio Lower Upper

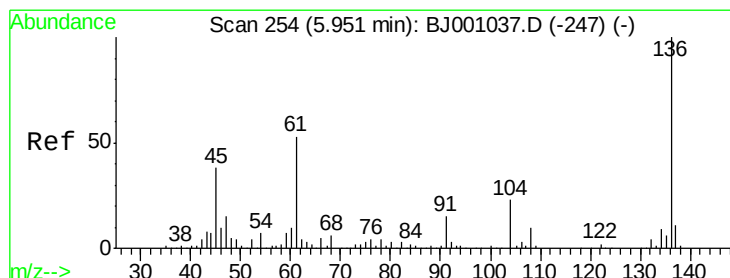
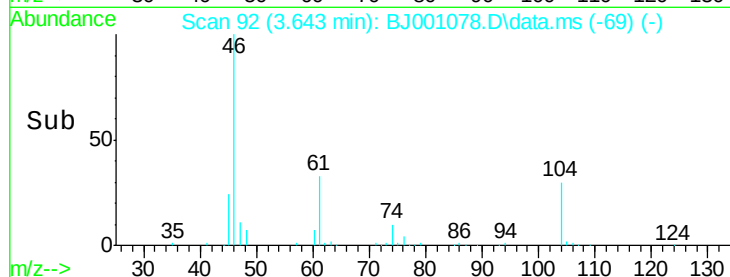
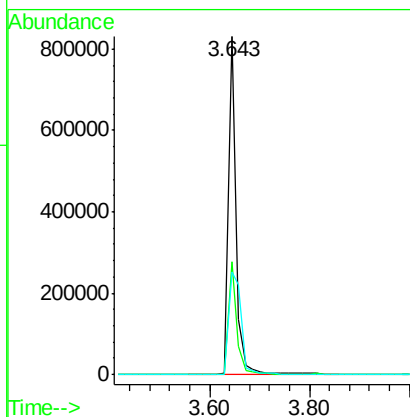
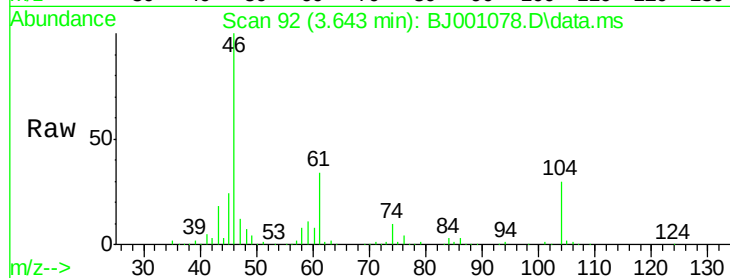
46 100

61 33.5 17.6 57.6

104 30.5 41.3 81.3#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.921 min Scan# 252

Delta R.T. -0.006 min

Lab File: BJ001078.D

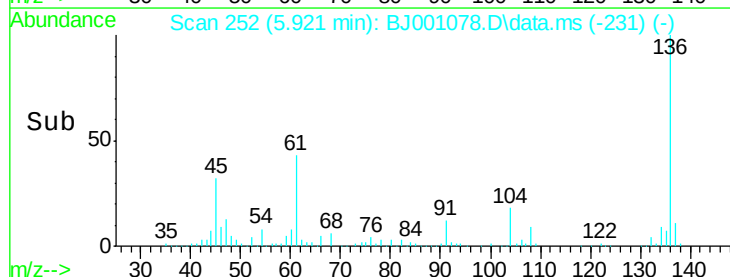
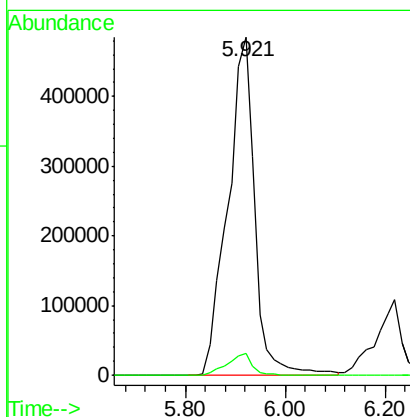
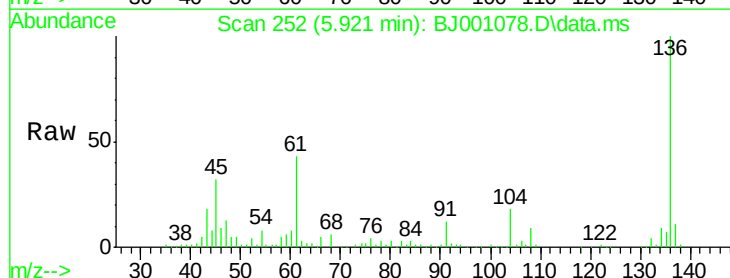
Acq: 16 Aug 2012 16:27

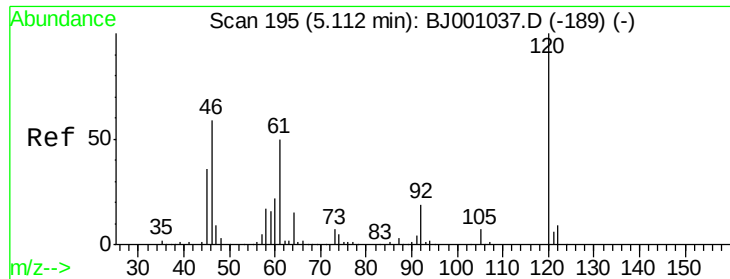
Tgt Ion: 136 Resp: 1818723

Ion Ratio Lower Upper

136 100

68 6.5 0.0 24.4





#7

1,4-Dithiane

Concen: 4.34 ug/mL

RT: 5.067 min Scan# 19

Delta R.T. -0.020 min

Lab File: BJ001078.D

Acq: 16 Aug 2012 16:27

Instrument :

BNA_J

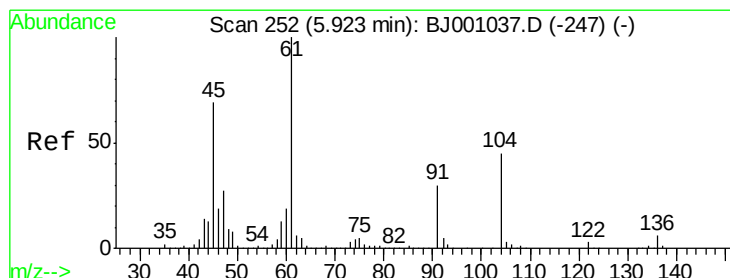
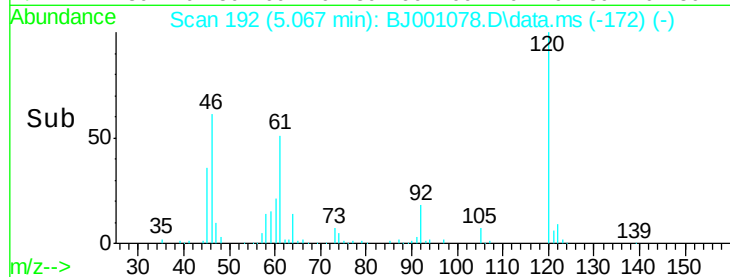
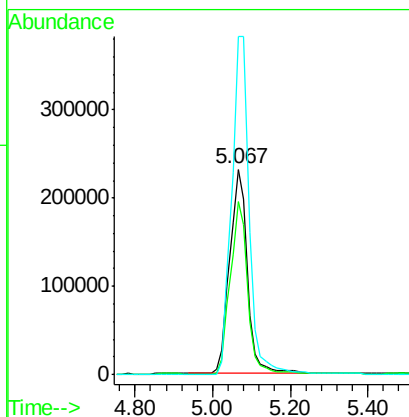
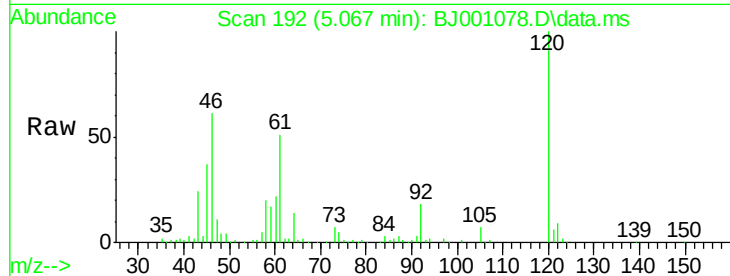
ClientSampleId :

PB64985BSD

Tgt Ion	Ratio	Lower	Upper
46	100		
61	84.3	65.0	105.0
120	164.6	192.0	232.0

Manual Integrations
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#8

Thiodiglycol

Concen: 38.70 ug/mL m

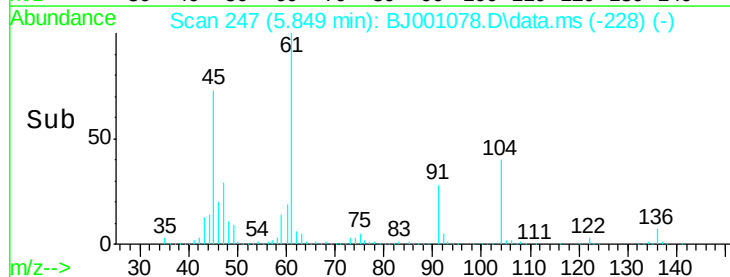
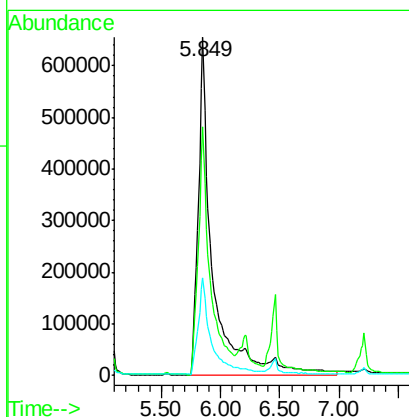
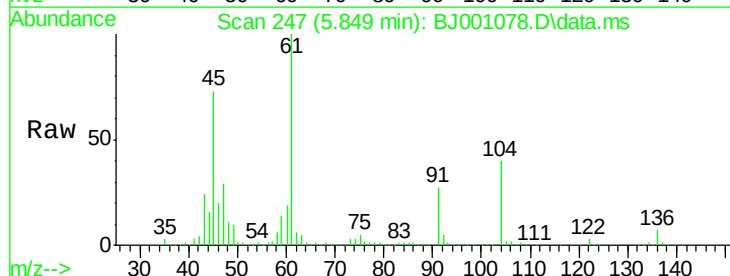
RT: 5.849 min Scan# 247

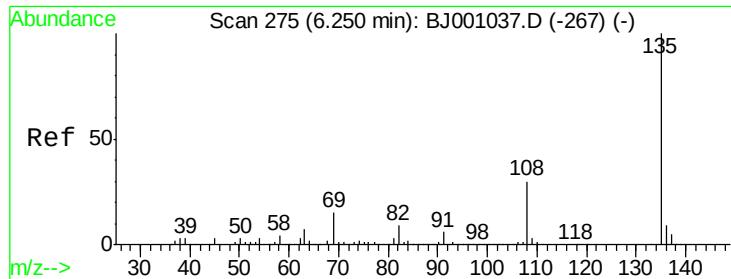
Delta R.T. -0.034 min

Lab File: BJ001078.D

Acq: 16 Aug 2012 16:27

Tgt Ion	Ratio	Lower	Upper
61	100		
45	73.4	51.7	91.7
47	29.0	8.6	48.6





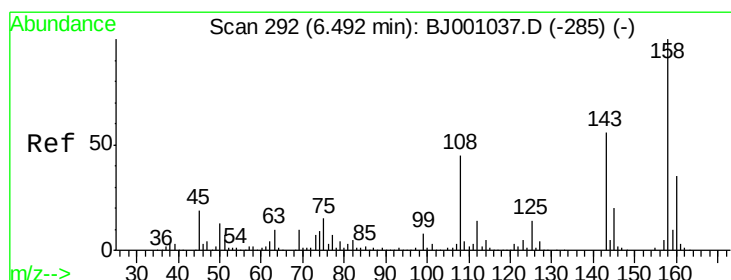
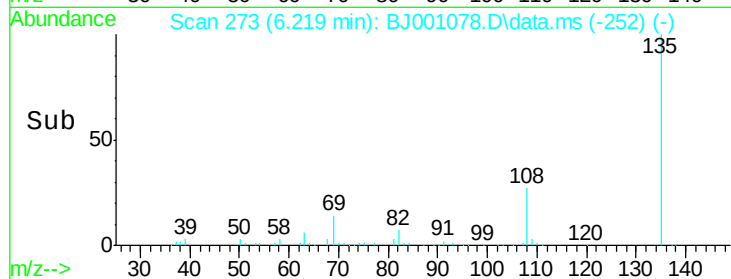
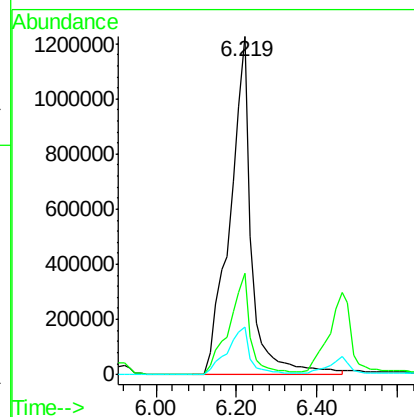
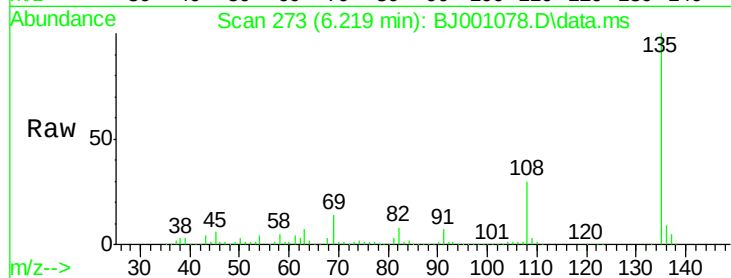
#9
Benzothiazole
Concen: 9.68 ug/mL
RT: 6.219 min Scan# 27
Delta R.T. -0.006 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Instrument :
BNA_J
ClientSampleId :
PB64985BSD

Tgt Ion	Ratio	Resp	Lower	Upper
135	100	4533671		
108	29.8	5.5	45.5	
69	13.9	0.0	29.6	

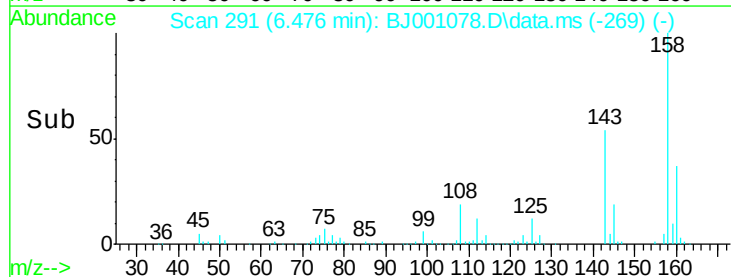
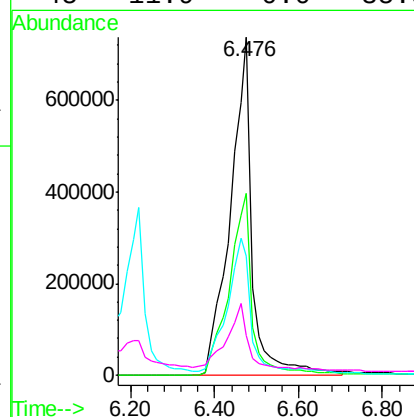
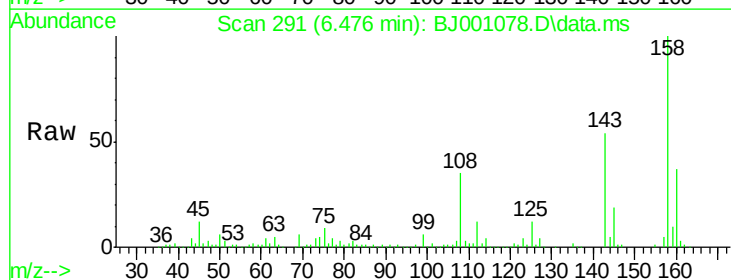
Manual Integrations
APPROVED

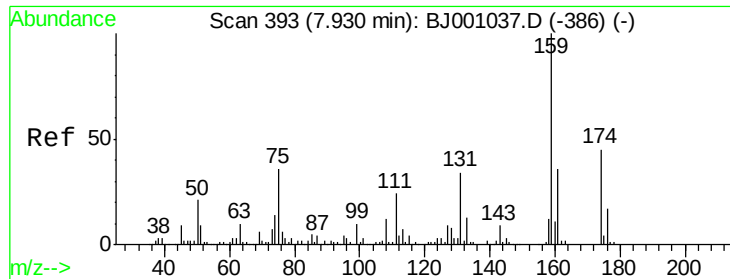
AHPatel
8/20/2012 2:30:28 AM



#11
p-Chlorophenylmethylsulfide
Concen: 9.33 ug/mL
RT: 6.476 min Scan# 291
Delta R.T. 0.009 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2677779		
143	53.6	37.9	77.9	
108	35.4	24.3	64.3	
45	11.9	0.0	35.8	





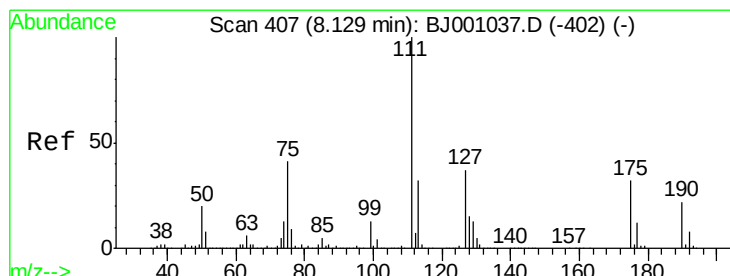
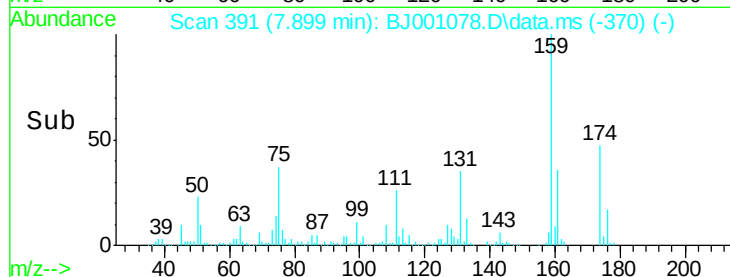
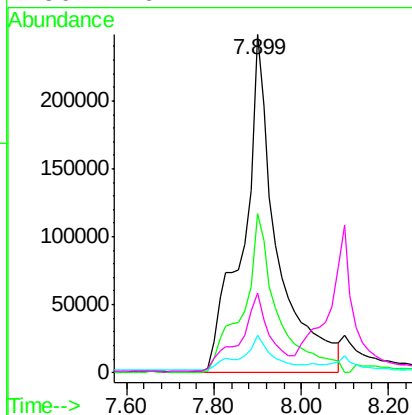
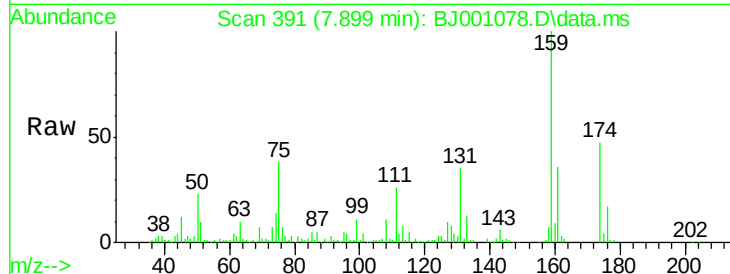
#13
p-Chlorophenylmethylsulfoxide
Concen: 7.82 ug/mL
RT: 7.899 min Scan# 391
Delta R.T. -0.006 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Instrument :
BNA_J
ClientSampleId :
PB64985BSD

Tgt Ion	Ratio	Lower	Upper
159	100		
174	47.8	28.6	68.6
108	9.6	0.0	30.1
50	20.7	2.2	42.2

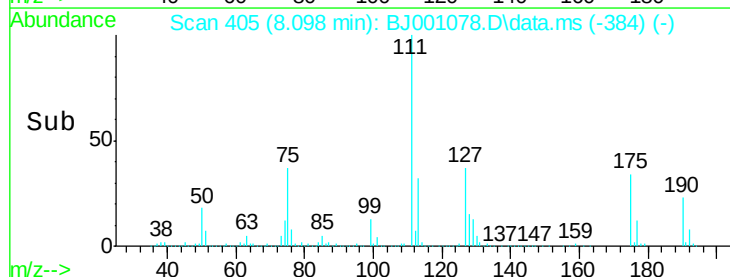
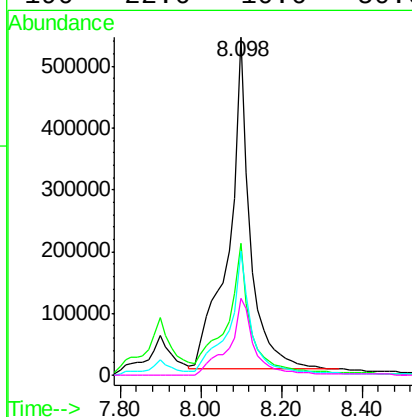
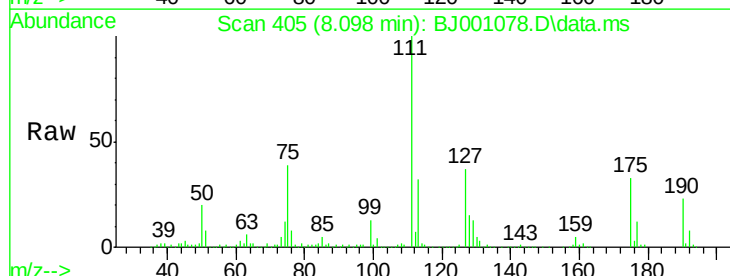
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 6.84 ug/mL
RT: 8.098 min Scan# 405
Delta R.T. -0.006 min
Lab File: BJ001078.D
Acq: 16 Aug 2012 16:27

Tgt Ion	Ratio	Lower	Upper
111	100		
75	39.0	11.6	51.6
127	37.0	21.2	61.2
190	22.6	10.6	50.6



Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
 Data File : BJ001078.D
 Acq On : 16 Aug 2012 16:27
 Operator : HLM
 Sample : PB64985BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB64985BSD

Manual Integrations
 APPROVED

AHPatel
 8/20/2012 2:30:28 AM

Quant Time: Aug 20 03:53:14 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ072012.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Aug 17 10:52:26 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.625	152	427552	2.00	ug/mL	0.00
6) Naphthalene-d8	5.921	136	1818723	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.974	99	347794	0.52	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	104.00%	
12) 2-Bromothioanisole	7.230	204	651230	4.58	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	91.60%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.690	94	764385	4.78	ug/mL	86
3) DMMP	3.515	79	312176	1.62	ug/mL	91
4) DIMP	4.896	97	1496260	3.76	ug/mL#	86
5) 1,4-Oxathiane	3.643	46	888607	4.47	ug/mL#	72
7) 1,4-Dithiane	5.067	46	740421	4.34	ug/mL#	78
8) Thiodiglycol	5.849	61	5615421m	38.70	ug/mL	
9) Benzothiazole	6.219	135	4533671	9.68	ug/mL	91
11) p-Chlorophenylmethyisu...	6.476	158	2677779	9.33	ug/mL	91
13) p-Chlorophenylmethyisu...	7.899	159	1337046	7.82	ug/mL	98
14) p-Chlorophenylmethyisu...	8.098	111	1959705	6.84	ug/mL	89

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