

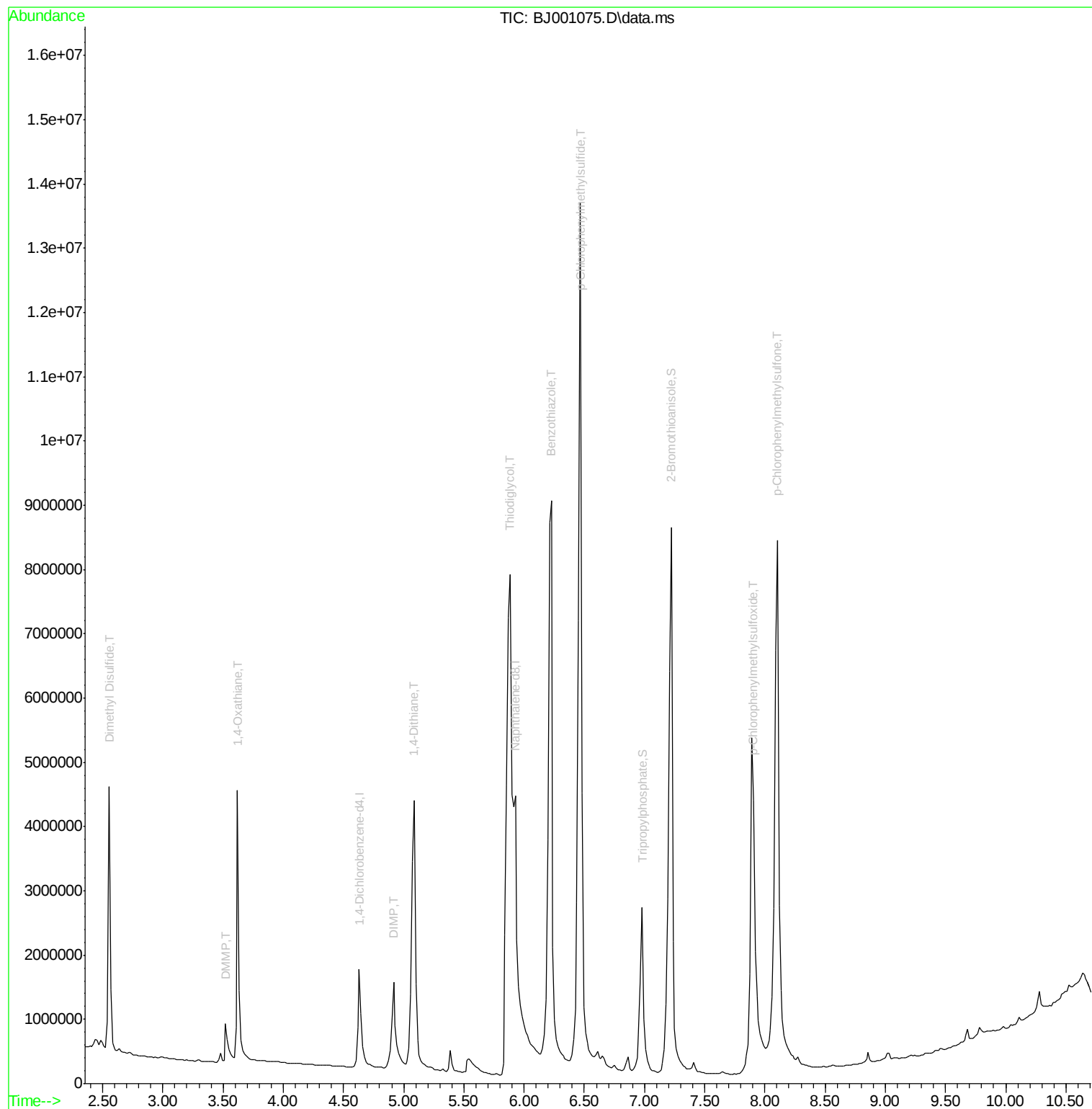
Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
Data File : BJ001075.D
Acq On : 16 Aug 2012 14:13
Operator : HLM
Sample : CWA-CCV
Misc : BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

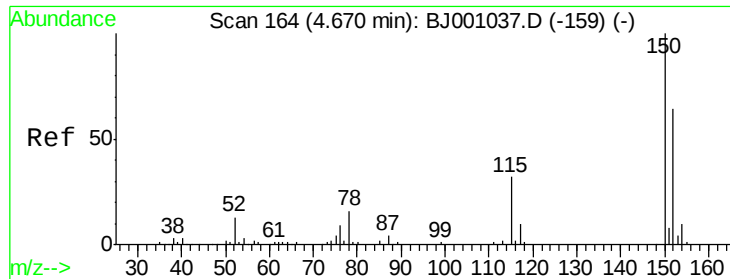
Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Manual Integrations
APPROVED

AHPatel
8/20/2012 2:30:25 AM

Quant Time: Aug 20 03:59:08 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: 4.631 min Scan# 16

Delta R.T. 0.000 min

Lab File: BJ001075.D

Acq: 16 Aug 2012 14:13

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion: 152 Resp: 611749

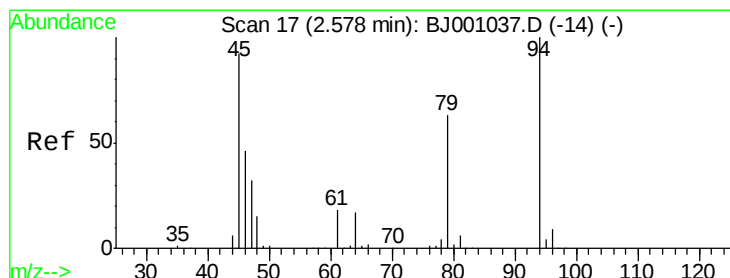
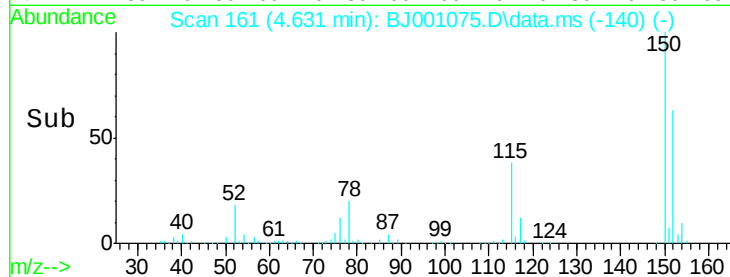
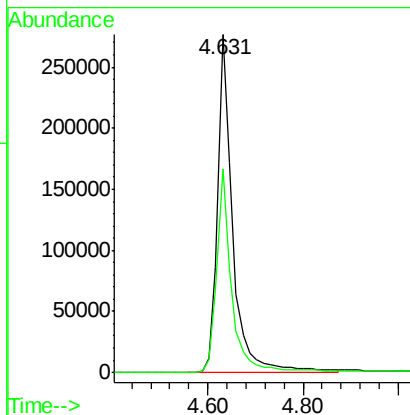
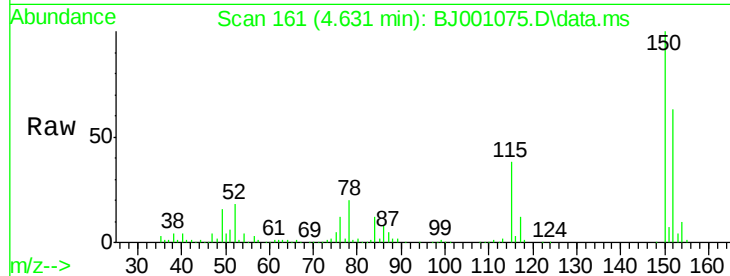
Ion Ratio Lower Upper

152 100

115 60.2 40.2 80.2

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 7.09 ug/mL

RT: 2.553 min Scan# 15

Delta R.T. 0.000 min

Lab File: BJ001075.D

Acq: 16 Aug 2012 14:13

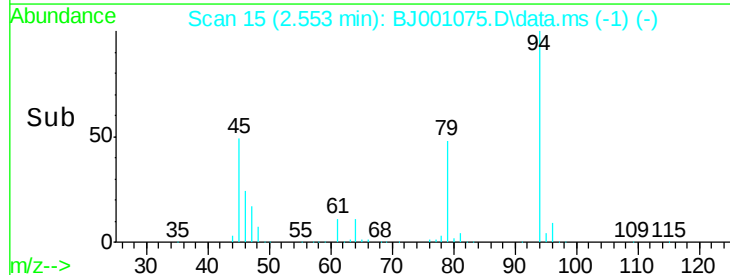
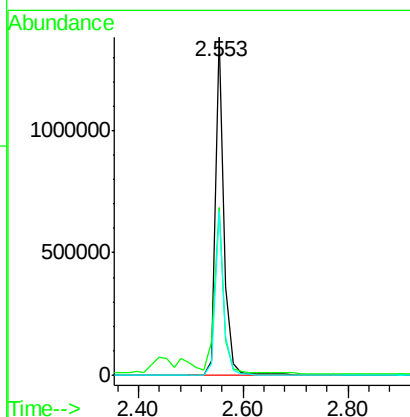
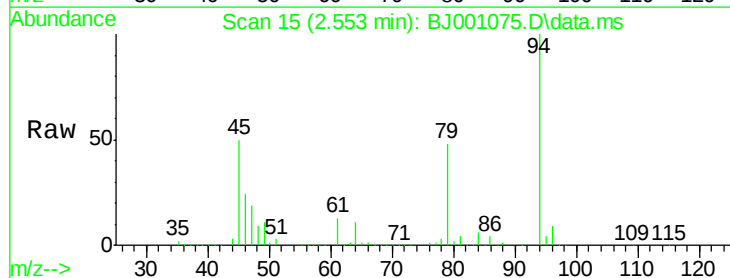
Tgt Ion: 94 Resp: 1622549

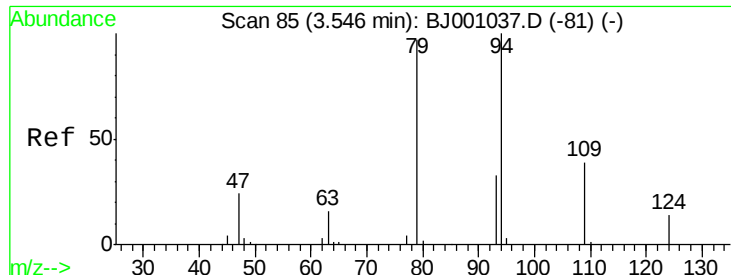
Ion Ratio Lower Upper

94 100

45 49.6 29.6 69.6

79 48.5 28.5 68.5





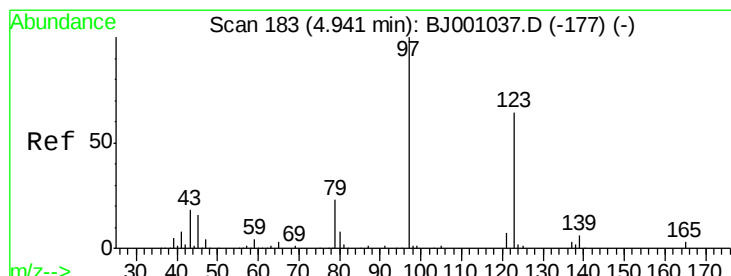
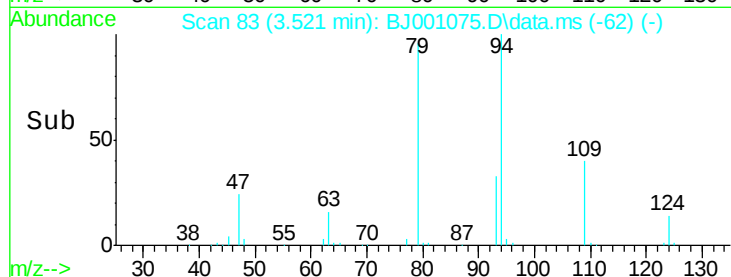
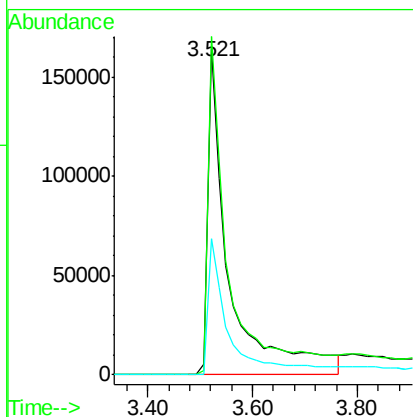
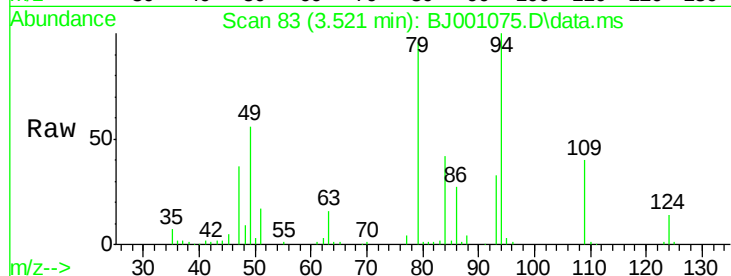
#3
DMMP
Concen: 1.68 ug/mL
RT: 3.521 min Scan# 83
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion: 79 Resp: 464049
Ion Ratio Lower Upper
79 100
94 103.9 83.9 123.9
109 41.6 21.6 61.6

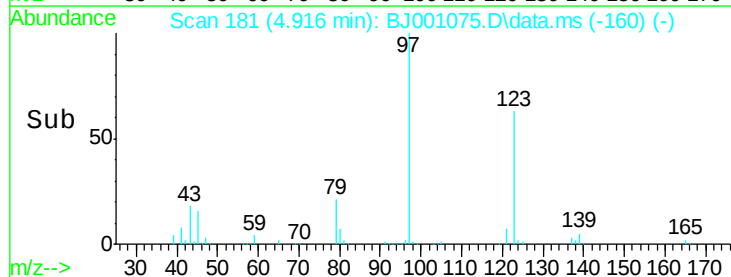
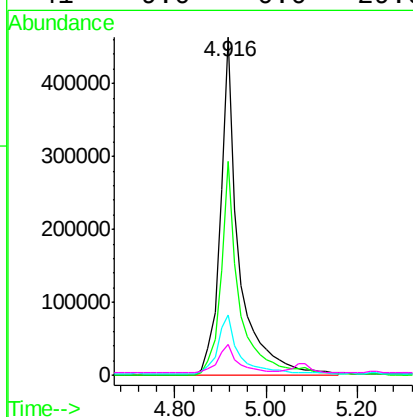
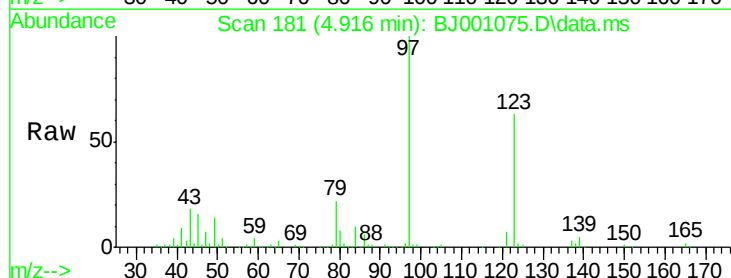
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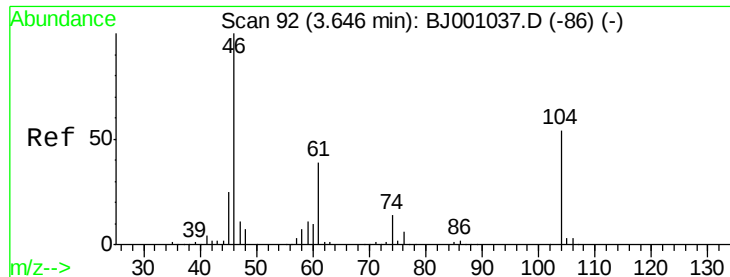
AHPatel
8/20/2012 2:30:25 AM



#4
DIMP
Concen: 2.32 ug/mL
RT: 4.916 min Scan# 181
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Tgt Ion: 97 Resp: 1314014
Ion Ratio Lower Upper
97 100
123 63.4 43.4 83.4
43 17.9 0.0 37.9
41 9.0 0.0 29.0





#5

1,4-Oxathiane

Concen: 6.12 ug/mL

RT: 3.621 min Scan# 90

Delta R.T. 0.000 min

Lab File: BJ001075.D

Acq: 16 Aug 2012 14:13

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion: 46 Resp: 1743180

Ion Ratio Lower Upper

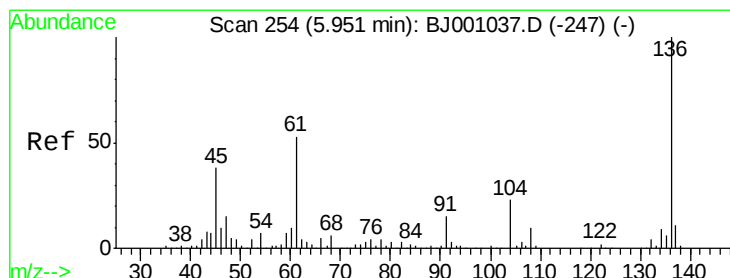
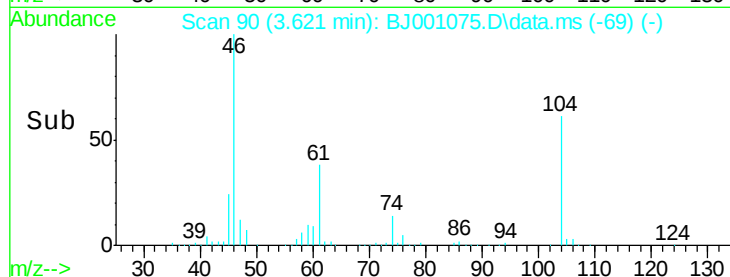
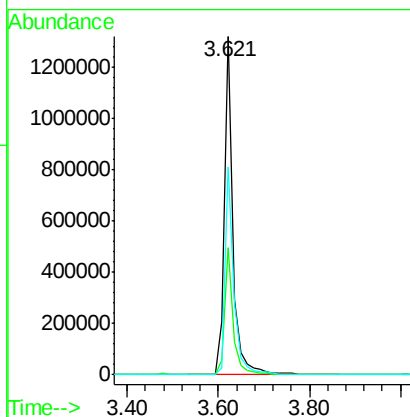
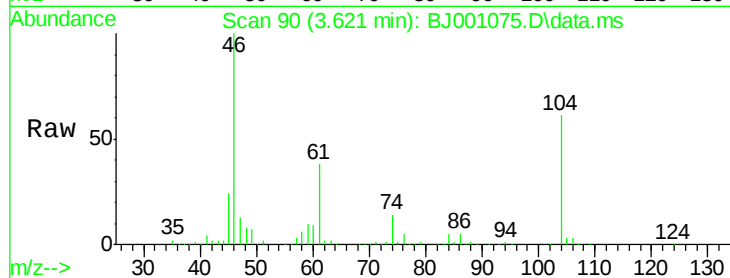
46 100

61 37.6 17.6 57.6

104 61.3 41.3 81.3

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.926 min Scan# 252

Delta R.T. 0.000 min

Lab File: BJ001075.D

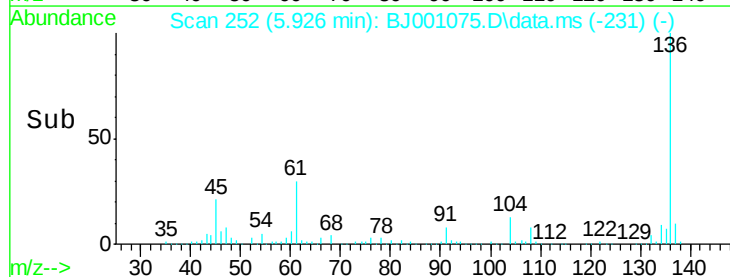
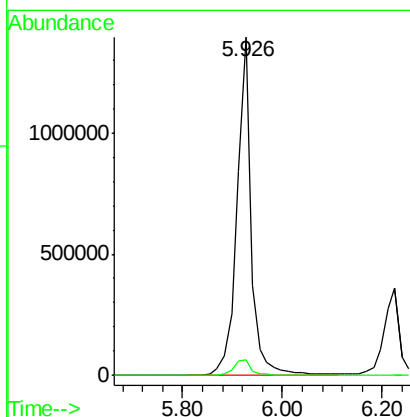
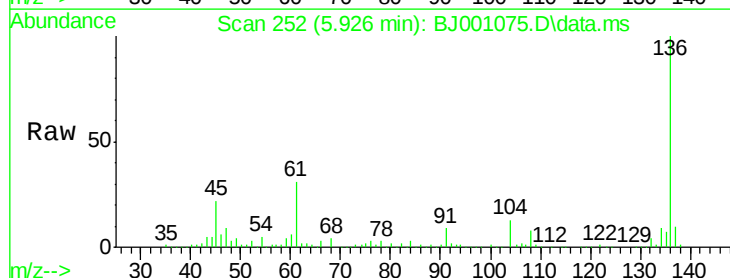
Acq: 16 Aug 2012 14:13

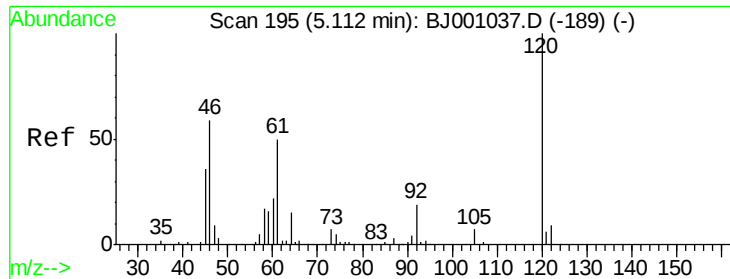
Tgt Ion: 136 Resp: 2785602

Ion Ratio Lower Upper

136 100

68 4.4 0.0 24.4





#7

1,4-Dithiane

Concen: 5.58 ug/mL

RT: 5.087 min Scan# 19

Delta R.T. 0.000 min

Lab File: BJ001075.D

Acq: 16 Aug 2012 14:13

Instrument :

BNA_J

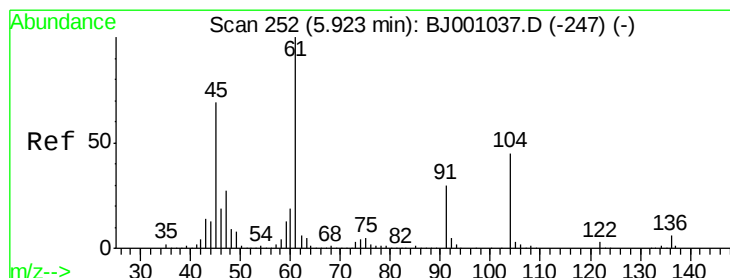
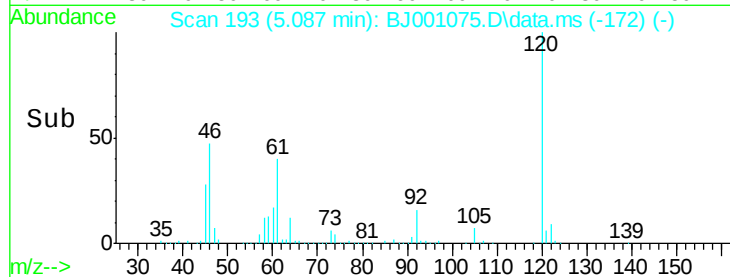
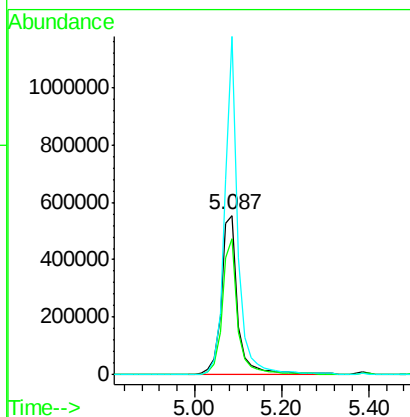
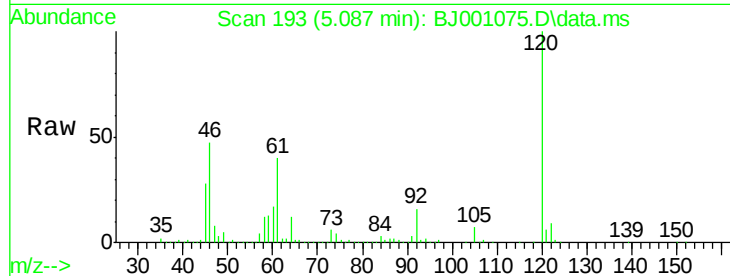
ClientSampleId :

CWA-CCV

Tgt Ion: 46 Resp: 1458220
 Ion Ratio Lower Upper
 46 100
 61 85.0 65.0 105.0
 120 212.0 192.0 232.0

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#8

Thiodiglycol

Concen: 43.16 ug/mL m

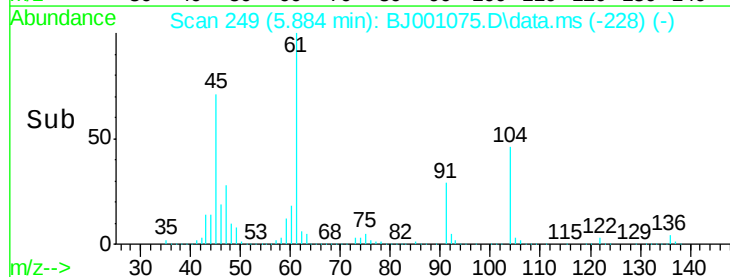
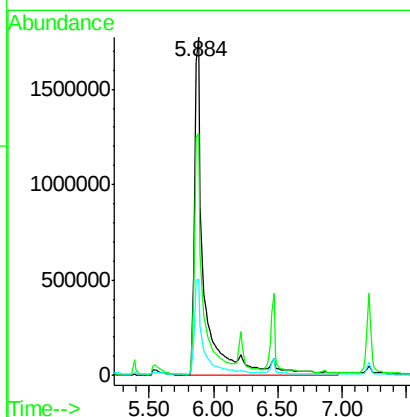
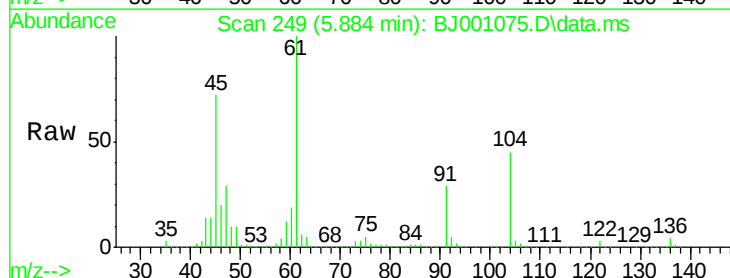
RT: 5.884 min Scan# 249

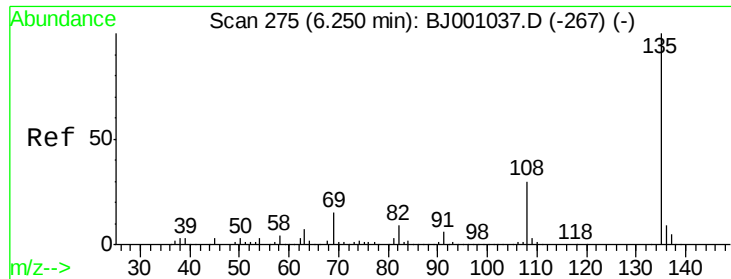
Delta R.T. 0.000 min

Lab File: BJ001075.D

Acq: 16 Aug 2012 14:13

Tgt Ion: 61 Resp: 9591455
 Ion Ratio Lower Upper
 61 100
 45 71.7 51.7 91.7
 47 28.6 8.6 48.6





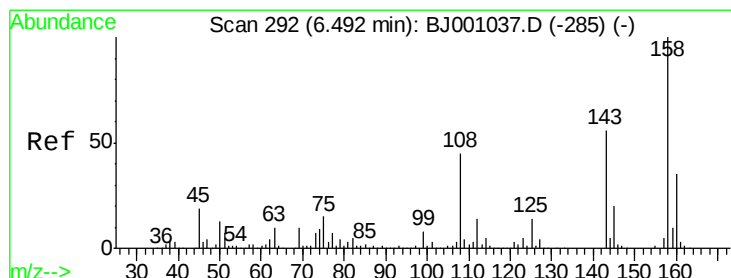
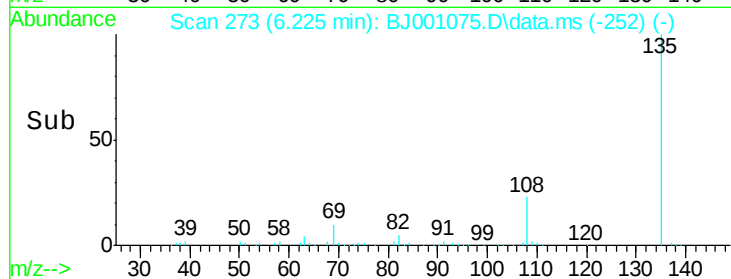
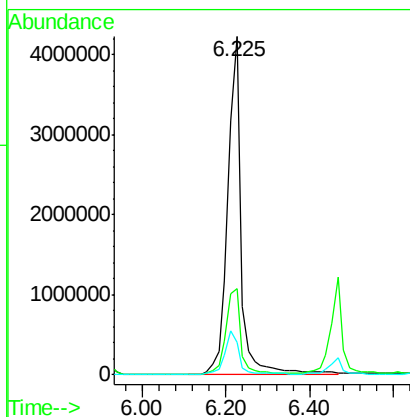
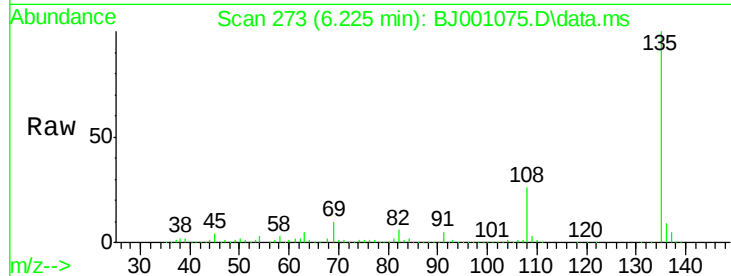
#9
Benzothiazole
Concen: 13.16 ug/mL
RT: 6.225 min Scan# 27
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion:135 Resp: 9442575
Ion Ratio Lower Upper
135 100
108 25.5 5.5 45.5
69 9.6 0.0 29.6

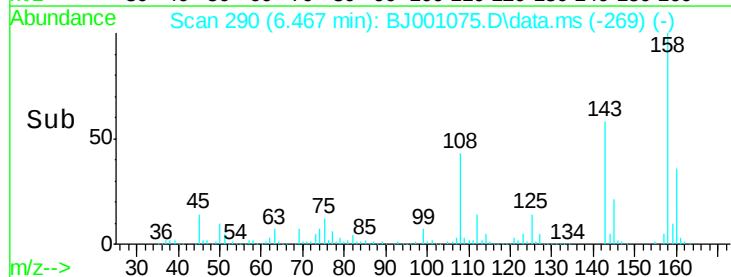
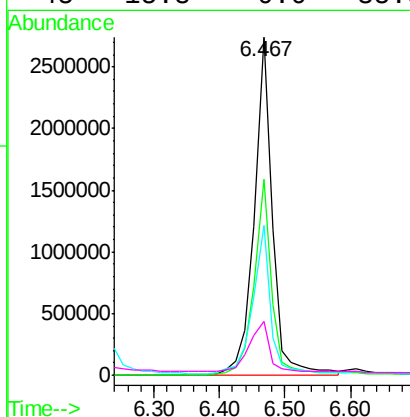
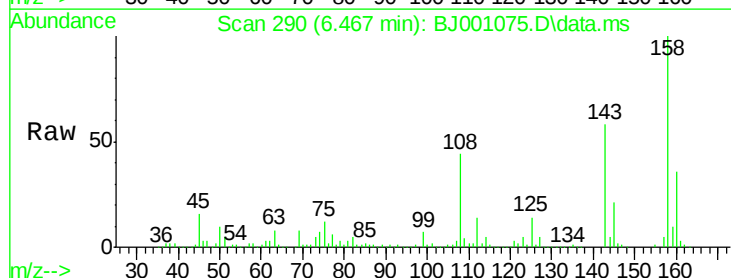
Manual Integrations
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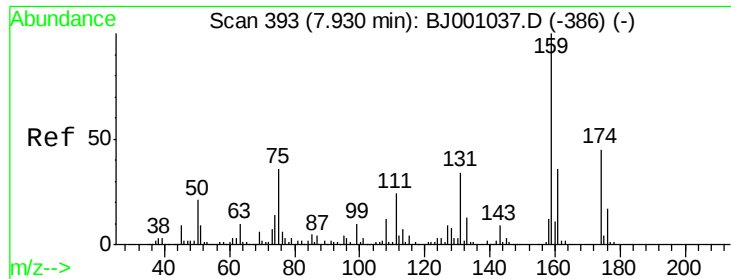
AHPatel
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#11
p-Chlorophenylmethylsulfide
Concen: 12.07 ug/mL
RT: 6.467 min Scan# 290
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Tgt Ion:158 Resp: 5309377
Ion Ratio Lower Upper
158 100
143 57.9 37.9 77.9
108 44.3 24.3 64.3
45 15.8 0.0 35.8





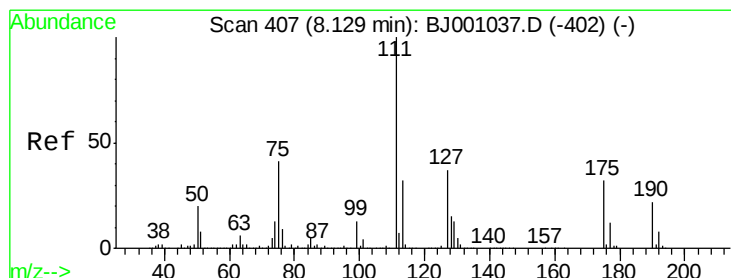
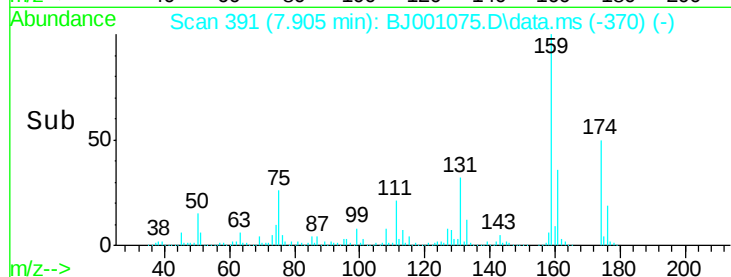
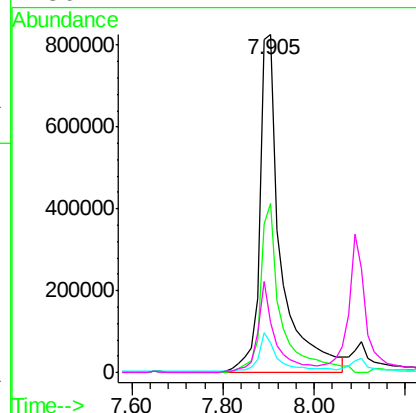
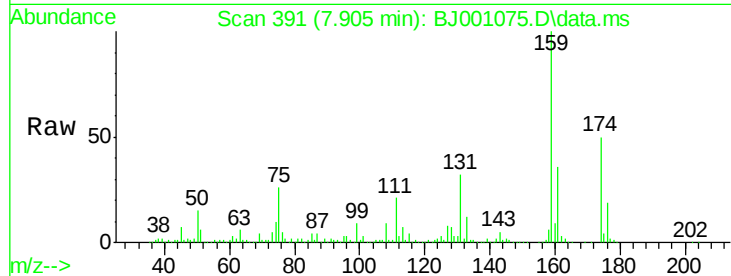
#13
p-Chlorophenylmethylsulfoxide
Concen: 10.07 ug/mL
RT: 7.905 min Scan# 391
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	2679670		
174	48.6		28.6	68.6
108	10.1		0.0	30.1
50	22.2		2.2	42.2

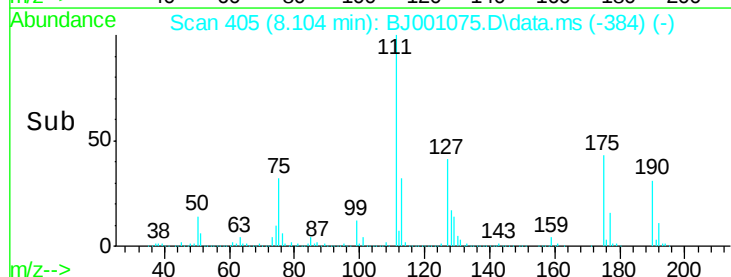
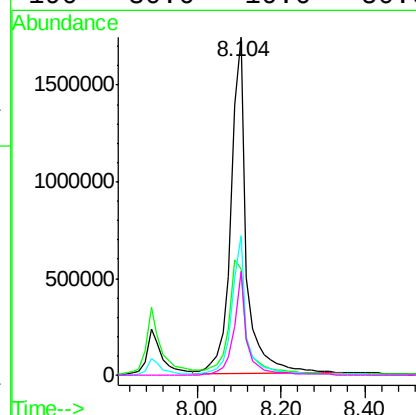
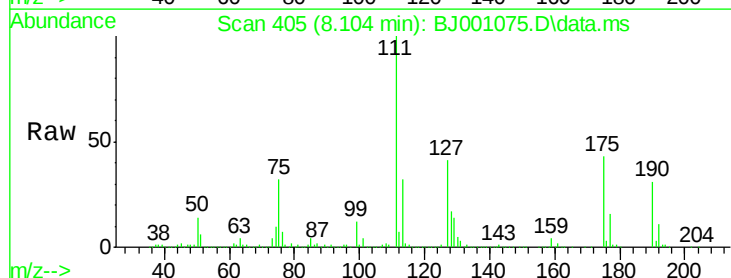
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#14
p-Chlorophenylmethylsulfone
Concen: 10.19 ug/mL
RT: 8.104 min Scan# 405
Delta R.T. 0.000 min
Lab File: BJ001075.D
Acq: 16 Aug 2012 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	4468819		
75	31.6		11.6	51.6
127	41.2		21.2	61.2
190	30.6		10.6	50.6



Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
 Data File : BJ001075.D
 Acq On : 16 Aug 2012 14:13
 Operator : HLM
 Sample : CWA-CCV
 Misc : BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-CCV

Manual Integrations
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AHPatel
 8/20/2012 2:30:25 AM

Quant Time: Aug 20 03:59:08 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	4.631	152	611749	2.00	ug/mL	0.00
6) Naphthalene-d8	5.926	136	2785602	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.979	99	2474635	2.43	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	486.00%#	
12) 2-Bromothioanisole	7.221	204	2462142	11.31	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	226.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.553	94	1622549	7.09	ug/mL	100
3) DMMP	3.521	79	464049	1.68	ug/mL	100
4) DIMP	4.916	97	1314014	2.32	ug/mL	100
5) 1,4-Oxathiane	3.621	46	1743180	6.12	ug/mL	100
7) 1,4-Dithiane	5.087	46	1458220	5.58	ug/mL	100
8) Thiodiglycol	5.884	61	9591455m	43.16	ug/mL	
9) Benzothiazole	6.225	135	9442575	13.16	ug/mL	100
11) p-Chlorophenylmethyisu...	6.467	158	5309377	12.07	ug/mL	100
13) p-Chlorophenylmethyisu...	7.905	159	2679670	10.07	ug/mL	100
14) p-Chlorophenylmethyisu...	8.104	111	4468819	10.19	ug/mL	100

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