

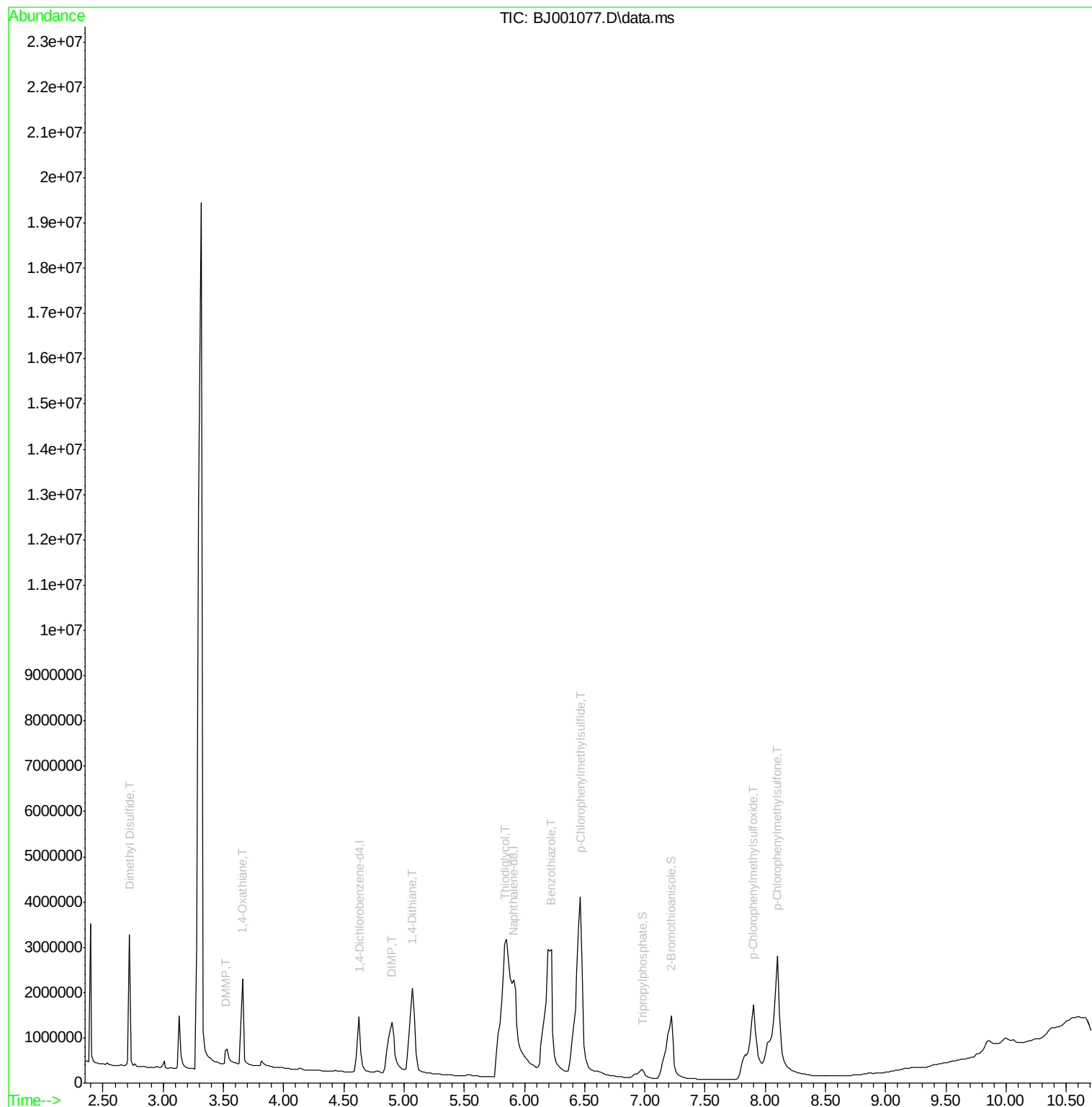
Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
Data File : BJ001077.D
Acq On : 16 Aug 2012 16:09
Operator : HLM
Sample : PB64985BS
Misc : WATER BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

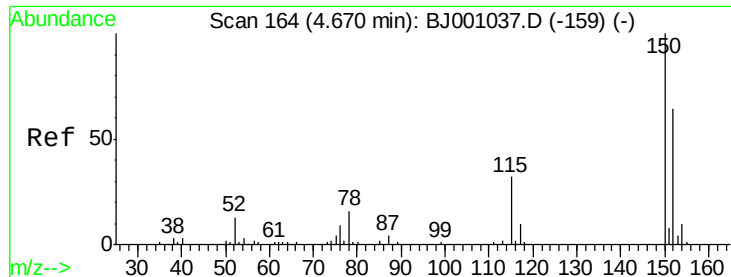
Instrument :
BNA_J
ClientSampleId :
PB64985BS

Manual Integrations
APPROVED

AHPatel
8/20/2012 2:30:26 AM

Quant Time: Aug 20 04:32:14 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: 4.628 min Scan# 16

Delta R.T. -0.003 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

Instrument :

BNA_J

ClientSampleId :

PB64985BS

Tgt Ion: 152 Resp: 483470

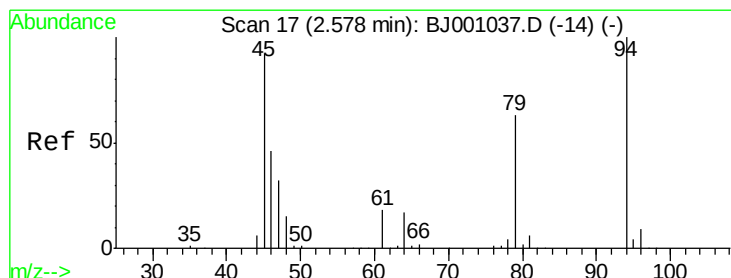
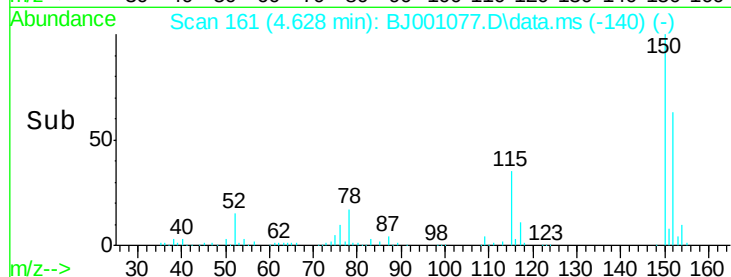
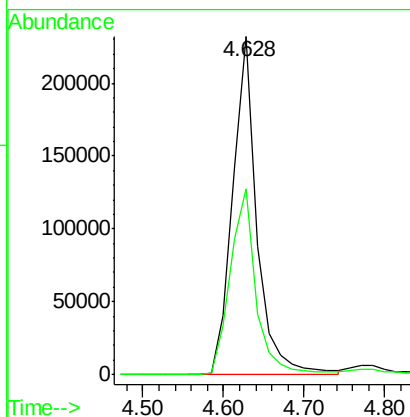
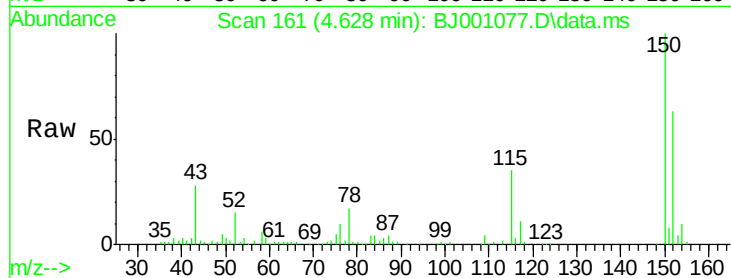
Ion Ratio Lower Upper

152 100

115 55.0 40.2 80.2

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 5.29 ug/mL m

RT: 2.721 min Scan# 27

Delta R.T. 0.168 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

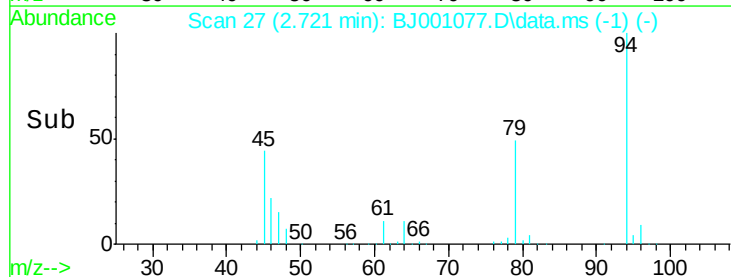
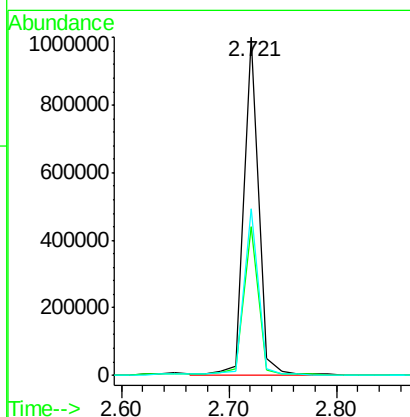
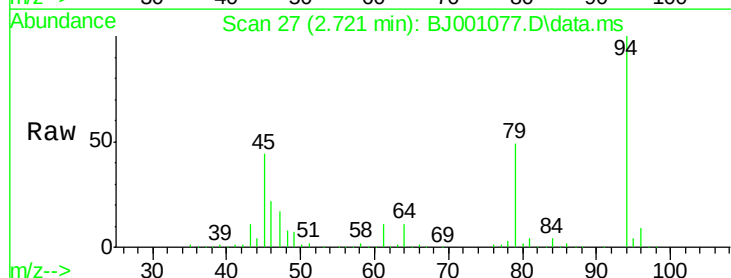
Tgt Ion: 94 Resp: 956529

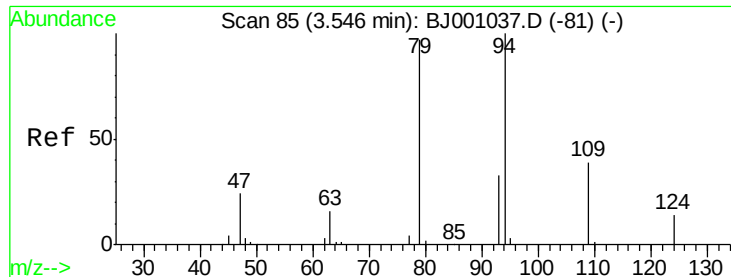
Ion Ratio Lower Upper

94 100

45 44.1 29.6 69.6

79 49.3 28.5 68.5





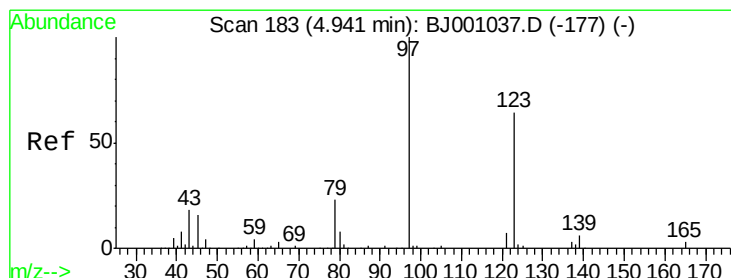
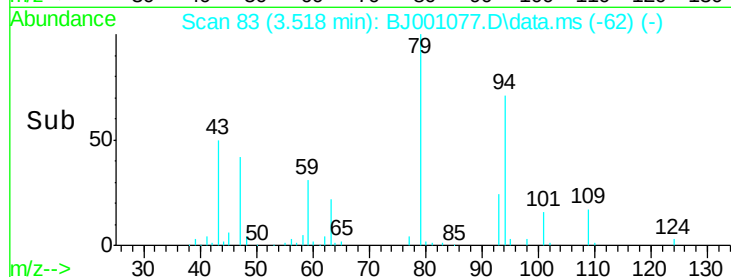
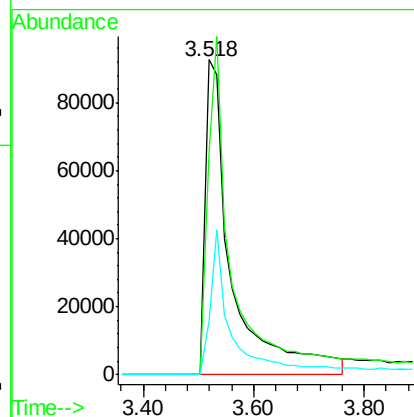
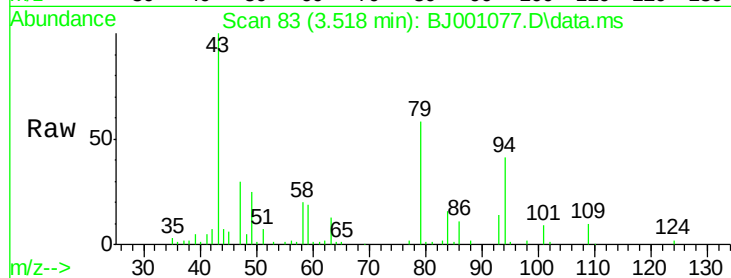
#3
DMMP
Concen: 1.42 ug/mL
RT: 3.518 min Scan# 83
Delta R.T. -0.003 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Instrument :
BNA_J
ClientSampleId :
PB64985BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
94	70.8	83.9	123.9#
109	16.9	21.6	61.6#

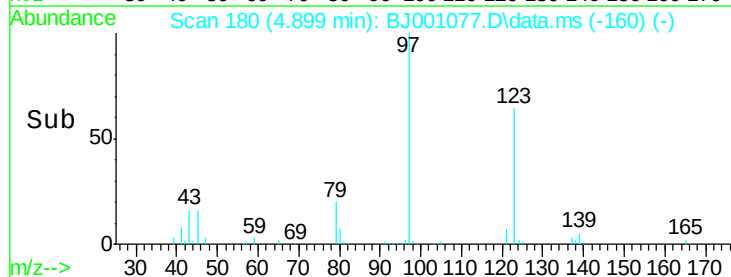
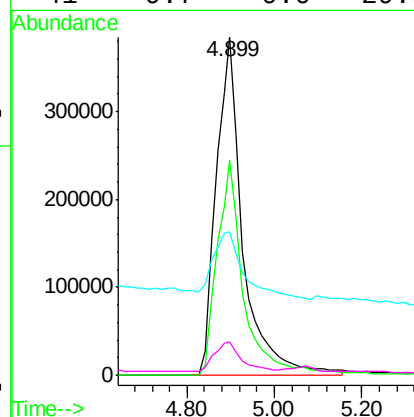
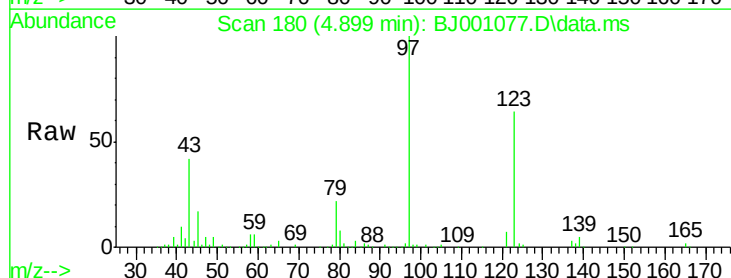
Manual Integrations
APPROVED

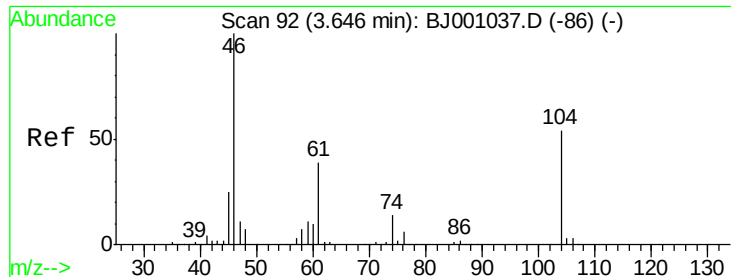
AHPatel
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#4
DIMP
Concen: 3.65 ug/mL
RT: 4.899 min Scan# 180
Delta R.T. -0.017 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
123	63.8	43.4	83.4
43	42.3	0.0	37.9#
41	9.7	0.0	29.0





#5

1,4-Oxathiane

Concen: 3.55 ug/mL

RT: 3.660 min Scan# 93

Delta R.T. 0.040 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

Instrument :

BNA_J

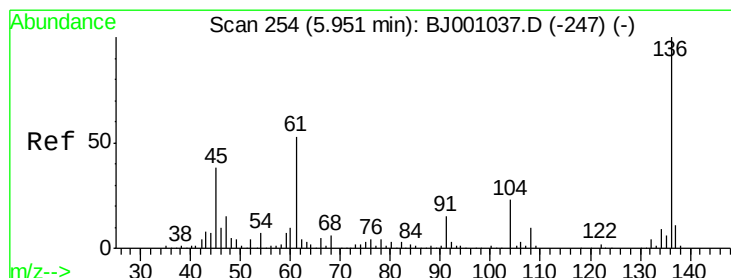
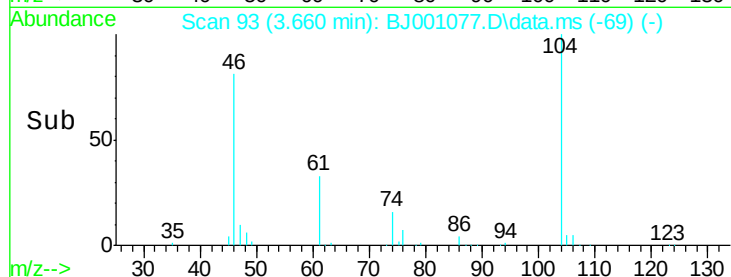
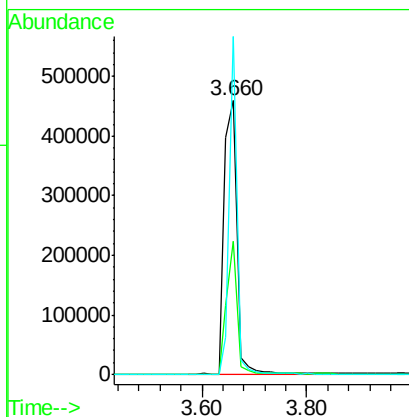
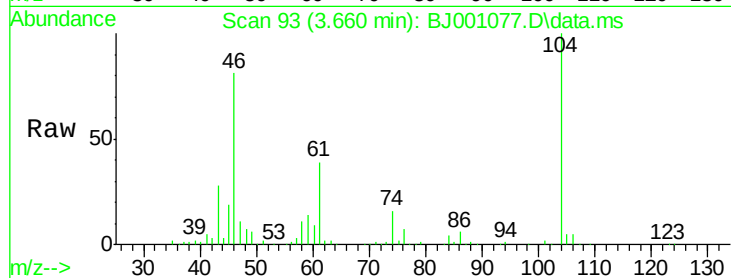
ClientSampleId :

PB64985BS

Tgt Ion	Ratio	Lower	Upper
46	100		
61	48.5	17.6	57.6
104	123.6	41.3	81.3

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

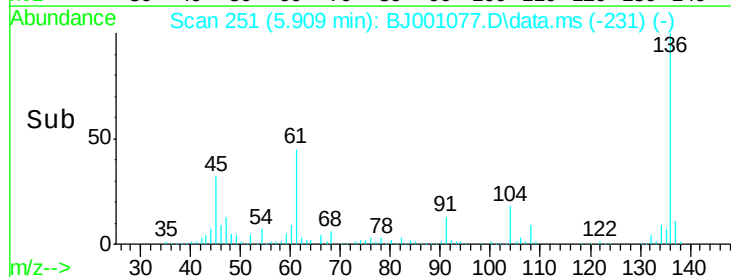
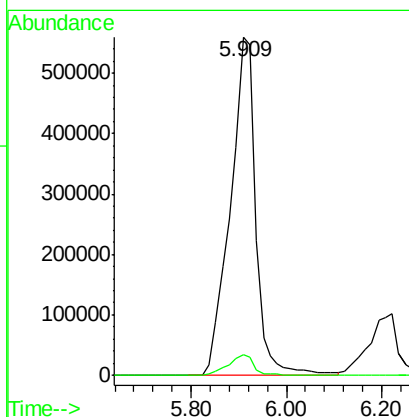
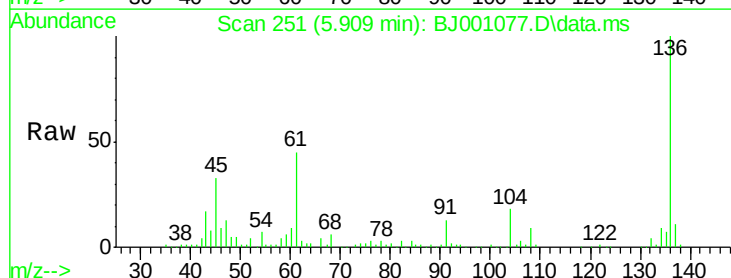
RT: 5.909 min Scan# 251

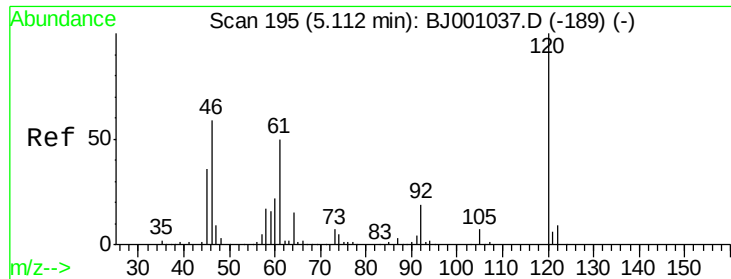
Delta R.T. -0.017 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

Tgt Ion	Ratio	Lower	Upper
136	100		
68	5.9	0.0	24.4





#7

1,4-Dithiane

Concen: 4.18 ug/mL

RT: 5.069 min Scan# 19

Delta R.T. -0.017 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

Instrument :

BNA_J

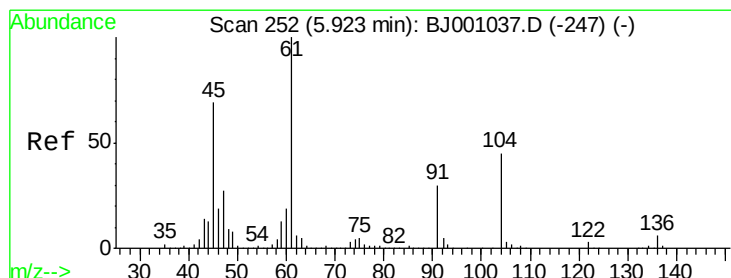
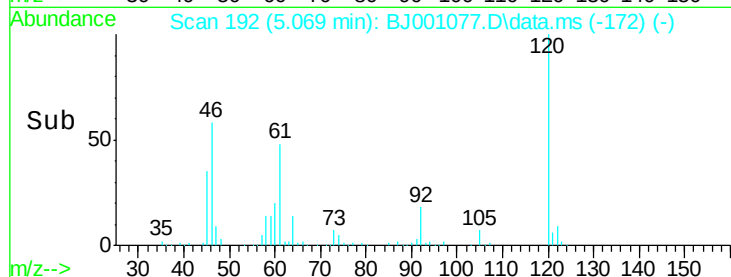
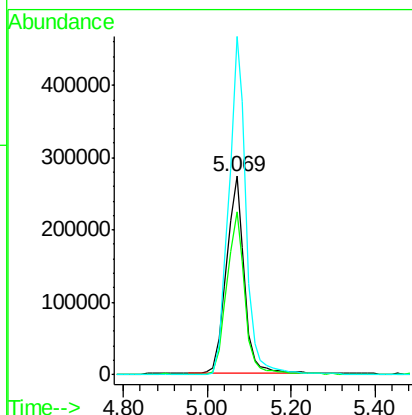
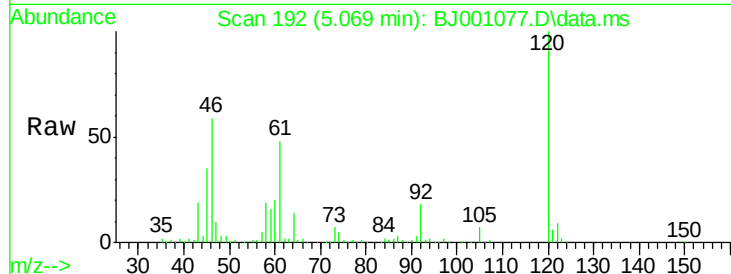
ClientSampled :

PB64985BS

Tgt Ion	Ratio	Lower	Upper
46	100		
61	82.3	65.0	105.0
120	170.6	192.0	232.0#

Manual Integrations
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#8

Thiodiglycol

Concen: 36.74 ug/mL m

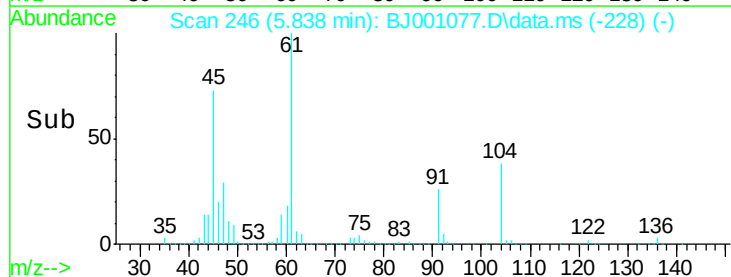
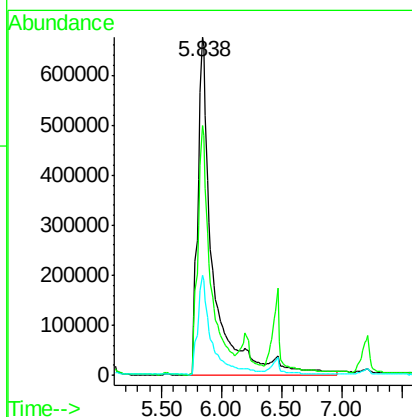
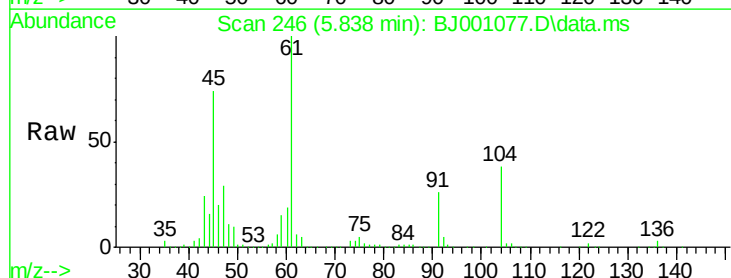
RT: 5.838 min Scan# 246

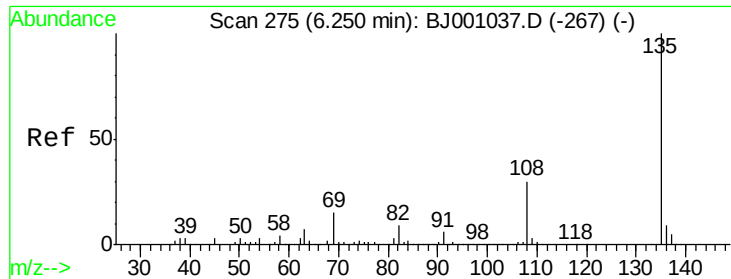
Delta R.T. -0.046 min

Lab File: BJ001077.D

Acq: 16 Aug 2012 16:09

Tgt Ion	Ratio	Lower	Upper
61	100		
45	73.7	51.7	91.7
47	29.5	8.6	48.6





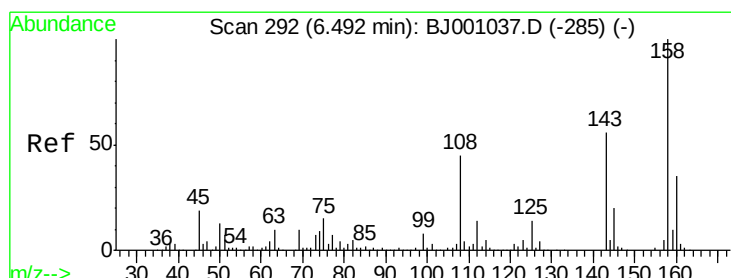
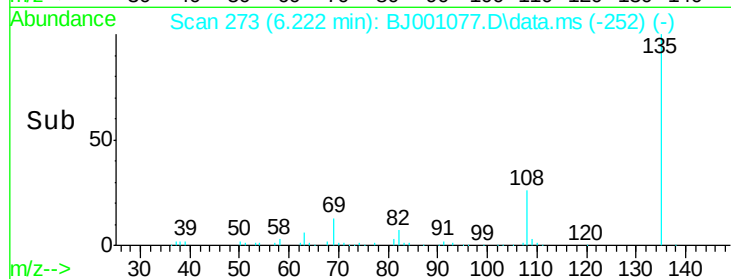
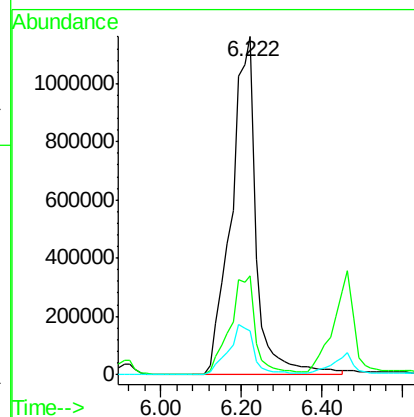
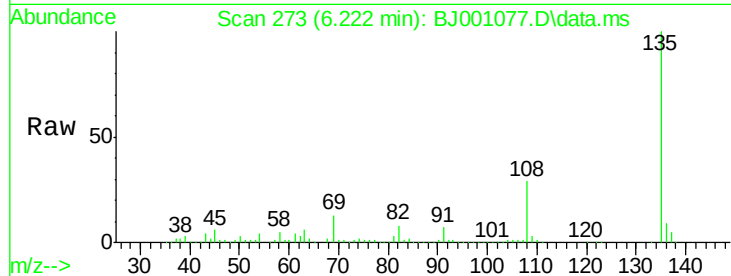
#9
Benzothiazole
Concen: 9.35 ug/mL
RT: 6.222 min Scan# 27
Delta R.T. -0.003 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Instrument :
BNA_J
ClientSampled :
PB64985BS

Tgt Ion	Ratio	Resp	Lower	Upper
135	100	4996006		
108	29.0	5.5	45.5	
69	13.0	0.0	29.6	

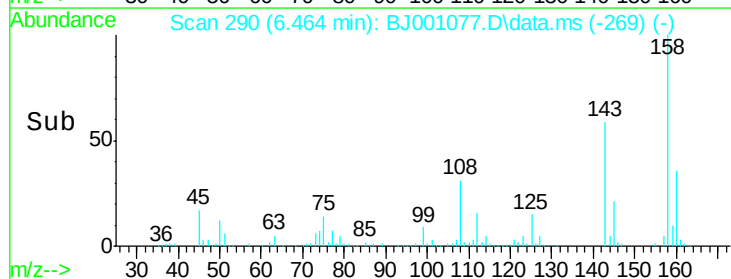
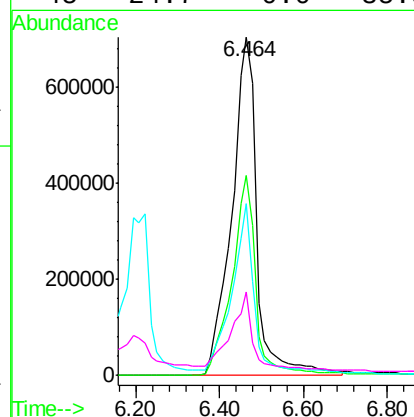
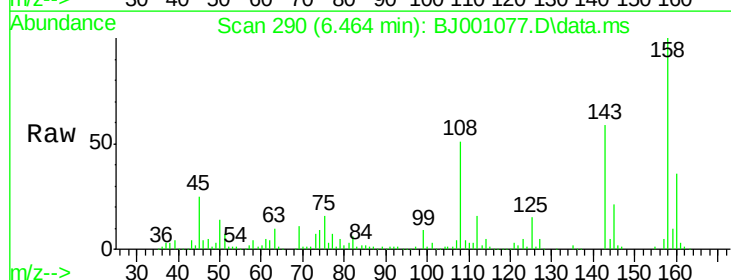
Manual Integrations
APPROVED

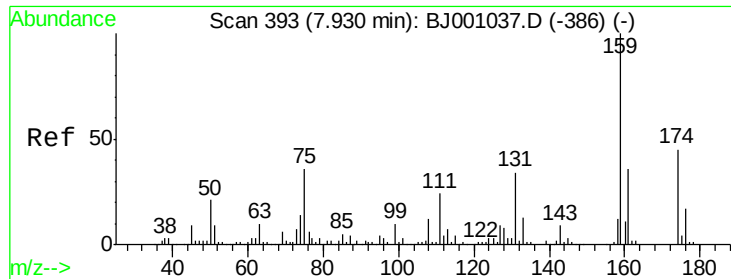
AHPatel
8/20/2012 2:30:26 AM



#11
p-Chlorophenylmethylsulfide
Concen: 8.92 ug/mL
RT: 6.464 min Scan# 290
Delta R.T. -0.003 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2921572		
143	59.2	37.9	77.9	
108	50.9	24.3	64.3	
45	24.7	0.0	35.8	





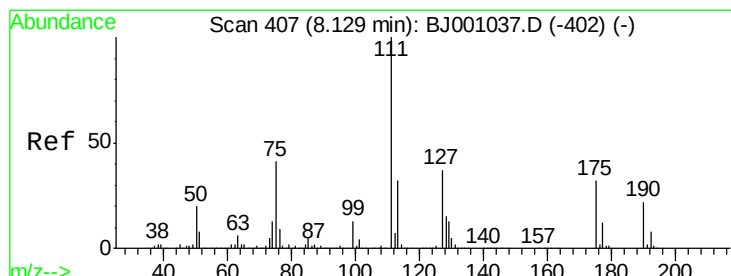
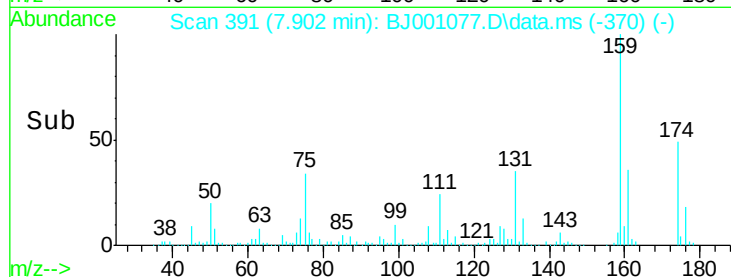
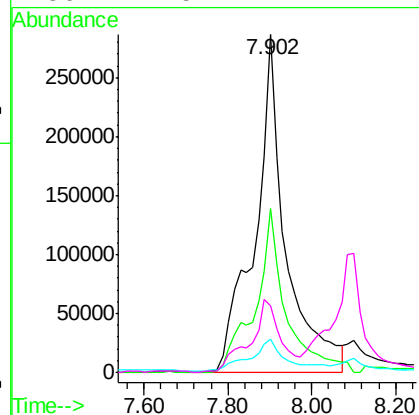
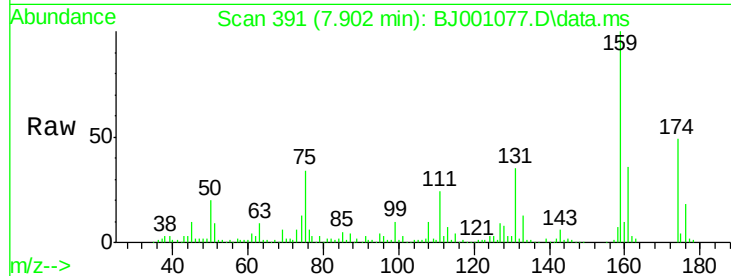
#13
p-Chlorophenylmethylsulfoxide
Concen: 7.50 ug/mL
RT: 7.902 min Scan# 391
Delta R.T. -0.003 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Instrument :
BNA_J
ClientSampleId :
PB64985BS

Tgt Ion	Ratio	Lower	Upper
159	100		
174	48.2	28.6	68.6
108	10.6	0.0	30.1
50	21.5	2.2	42.2

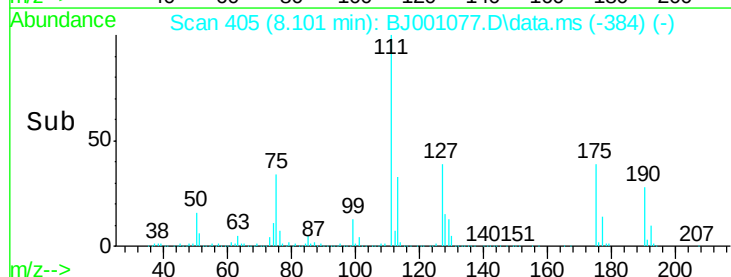
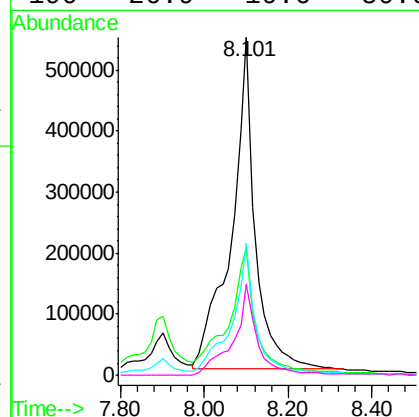
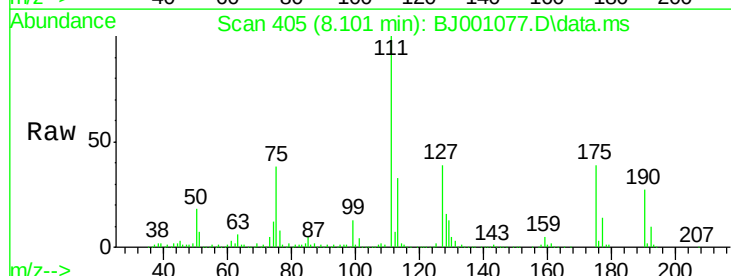
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 6.53 ug/mL
RT: 8.101 min Scan# 405
Delta R.T. -0.003 min
Lab File: BJ001077.D
Acq: 16 Aug 2012 16:09

Tgt Ion	Ratio	Lower	Upper
111	100		
75	37.5	11.6	51.6
127	39.1	21.2	61.2
190	26.9	10.6	50.6



Data Path : S:\HPCHEM1\BNA_J\data\BJ081612\
 Data File : BJ001077.D
 Acq On : 16 Aug 2012 16:09
 Operator : HLM
 Sample : PB64985BS
 Misc : WATER BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB64985BS

Manual Integrations
 APPROVED

AHPatel
 8/20/2012 2:30:26 AM

Quant Time: Aug 20 04:32:14 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	4.628	152	483470	2.00	ug/mL	0.00
6) Naphthalene-d8	5.909	136	2074081	2.00	ug/mL	-0.02
System Monitoring Compounds						
10) Tripropylphosphate	6.976	99	387197	0.51	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	102.00%	
12) 2-Bromothioanisole	7.218	204	716774	4.42	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	88.40%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.721	94	956529m	5.29	ug/mL	
3) DMMP	3.518	79	308838	1.42	ug/mL#	66
4) DIMP	4.899	97	1642976	3.65	ug/mL#	88
5) 1,4-Oxathiane	3.660	46	799844	3.55	ug/mL#	43
7) 1,4-Dithiane	5.069	46	813483	4.18	ug/mL#	80
8) Thiodiglycol	5.838	61	6078583m	36.74	ug/mL	
9) Benzothiazole	6.222	135	4996006	9.35	ug/mL	92
11) p-Chlorophenylmethyلس...	6.464	158	2921572	8.92	ug/mL	92
13) p-Chlorophenylmethyلس...	7.902	159	1459743	7.50	ug/mL	99
14) p-Chlorophenylmethyلس...	8.101	111	2133841	6.53	ug/mL	93

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