

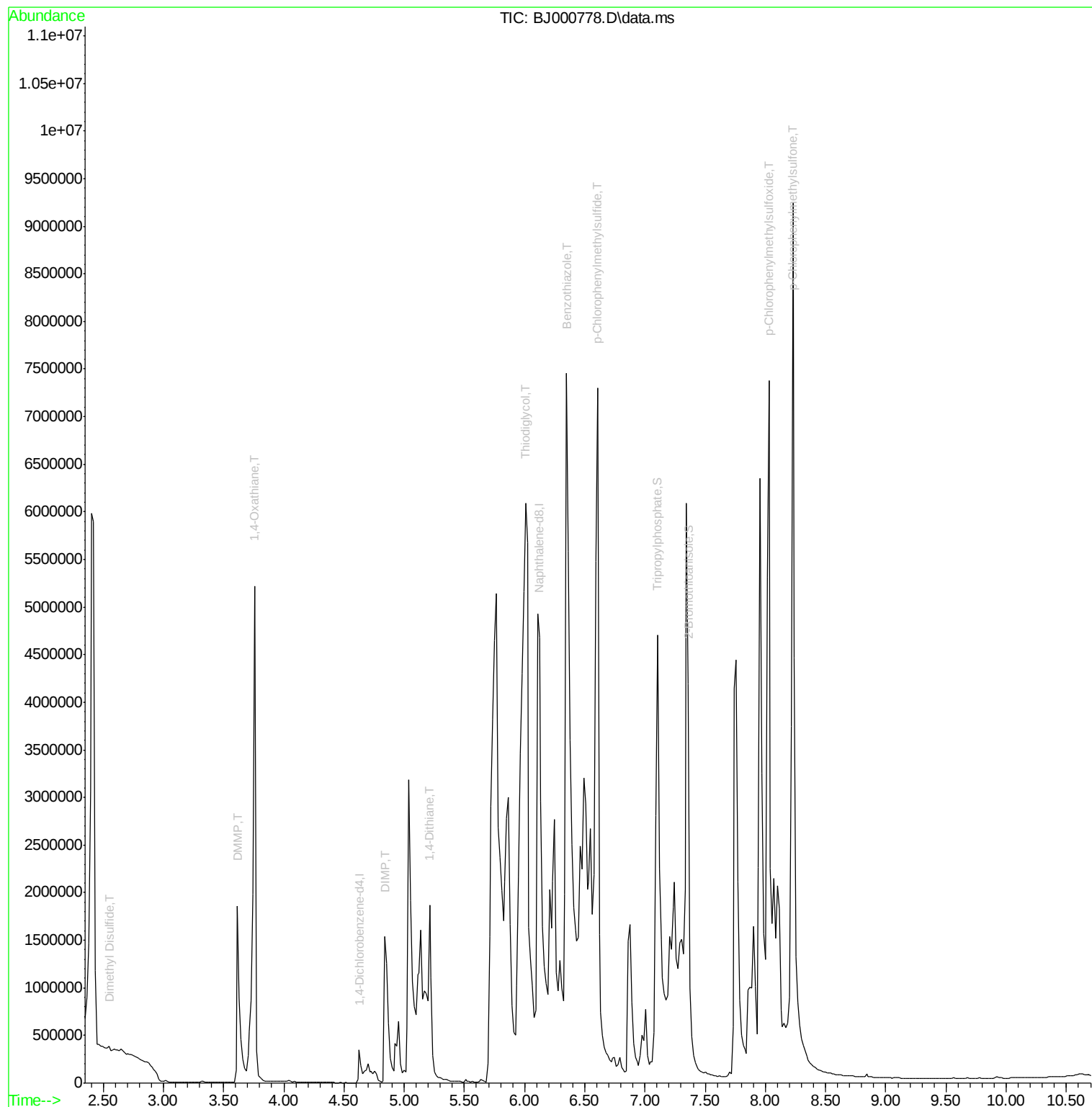
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000778.D
Acq On : 26 Apr 2012 13:16
Operator : HLM
Sample : CWA-6
Misc : STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

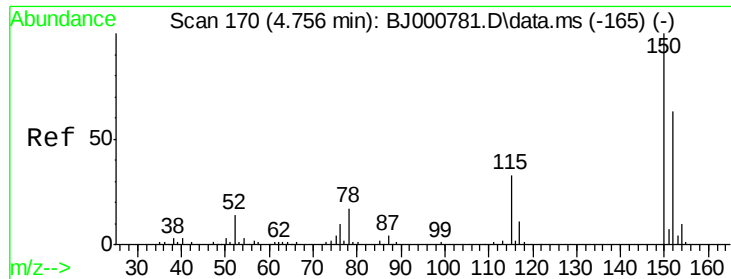
Instrument :
BNA_J
ClientSampleId :
CWA-6

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:24 AM

Quant Time: May 03 01:25:45 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Thu Apr 26 16:03:58 2012
Response via : Initial Calibration





#1

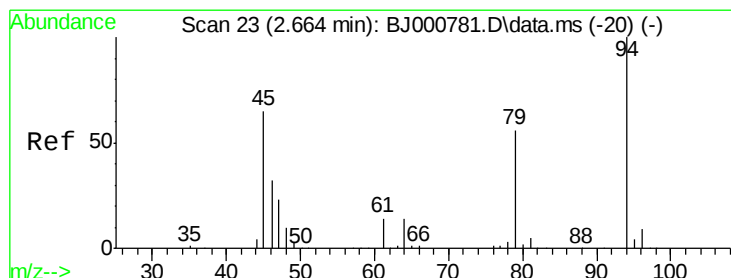
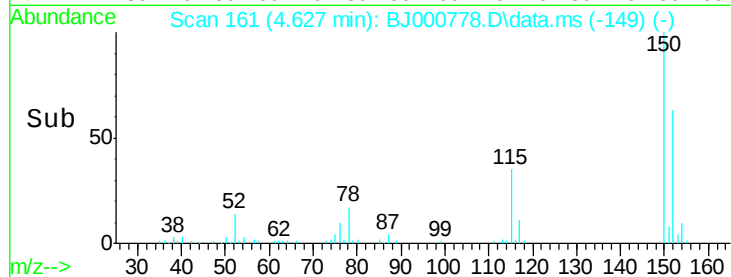
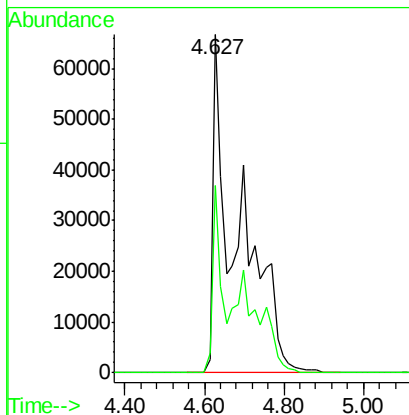
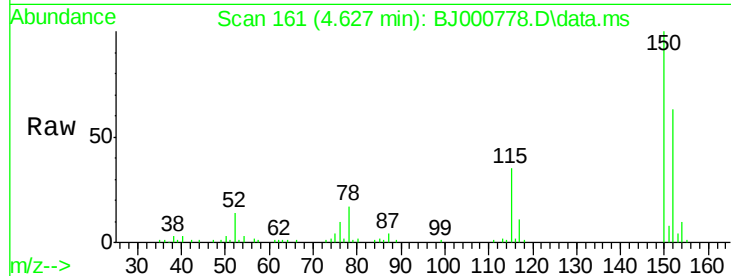
1,4-Dichlorobenzene-d4
Concen: 2.00 ug/mL m
RT: 4.627 min Scan# 161
Delta R.T. -0.124 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Instrument :
BNA_J
ClientSampled :
CWA-6

Tgt Ion:152 Resp: 287118
Ion Ratio Lower Upper
152 100
115 55.2 36.9 76.9

Manual Integrations
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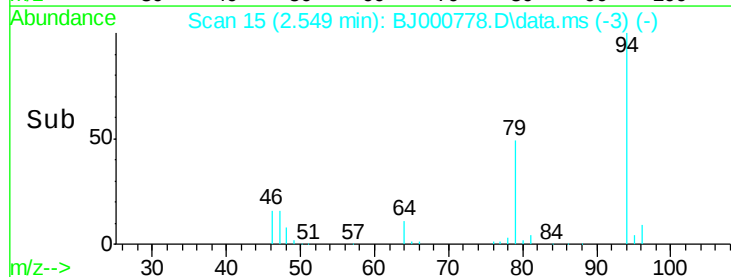
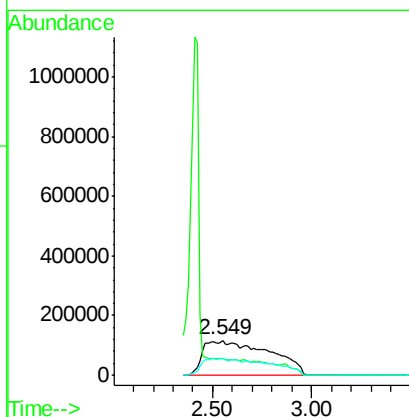
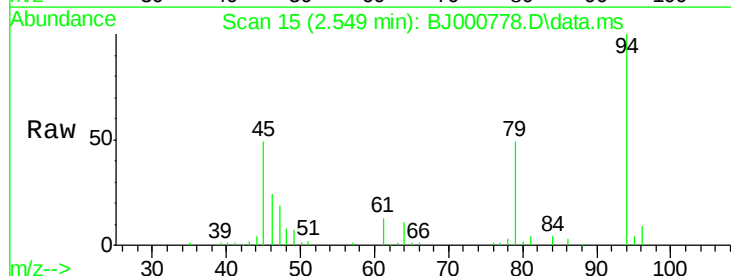
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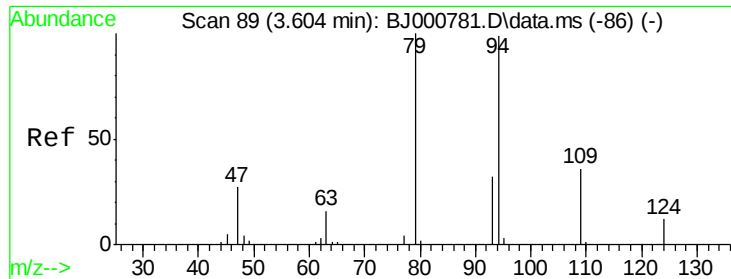


#2

Dimethyl Disulfide
Concen: 24.77 ug/mL m
RT: 2.549 min Scan# 15
Delta R.T. -0.124 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Tgt Ion: 94 Resp: 2706482
Ion Ratio Lower Upper
94 100
45 49.4 72.8 112.8#
79 49.5 43.9 83.9





#3

DMMP

Concen: 13.37 ug/mL

RT: 3.616 min Scan# 90

Delta R.T. 0.004 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

Instrument :

BNA_J

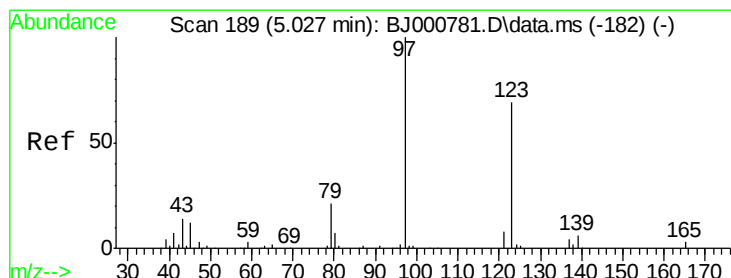
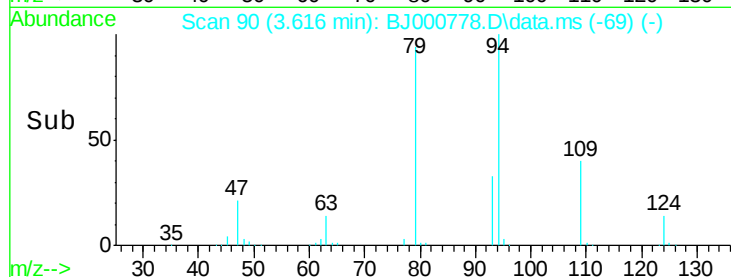
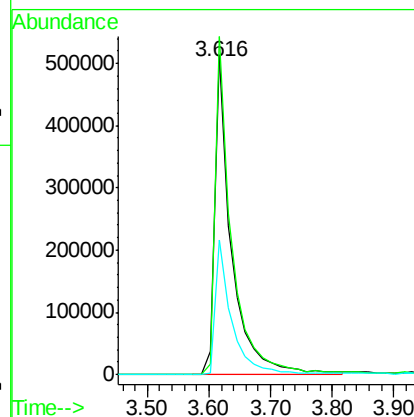
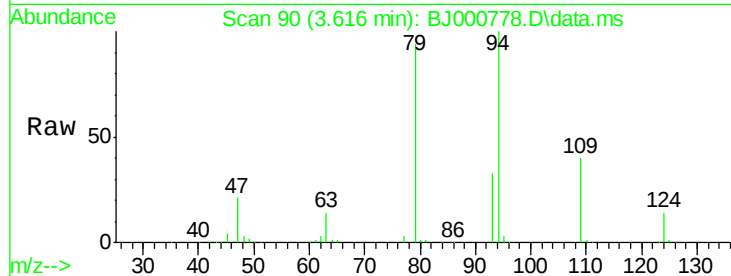
ClientSampled :

CWA-6

Tgt Ion:	79	Resp:	955304
Ion Ratio	Lower	Upper	
79	100		
94	106.0	81.5	121.5
109	42.1	18.2	58.2

Manual Integrations
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#4

DIMP

Concen: 11.76 ug/mL m

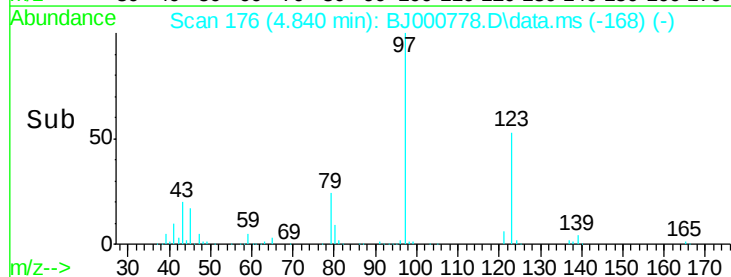
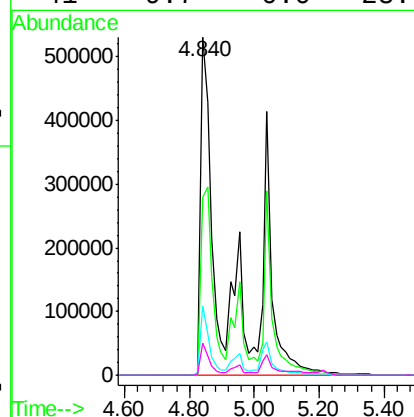
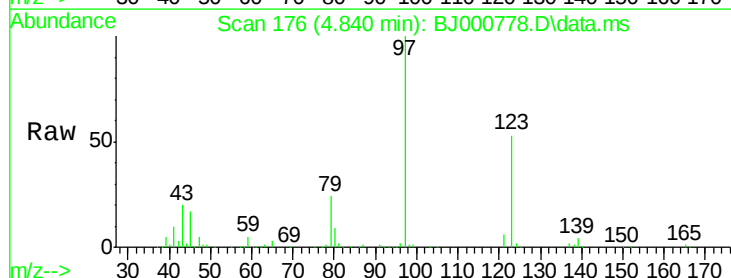
RT: 4.840 min Scan# 176

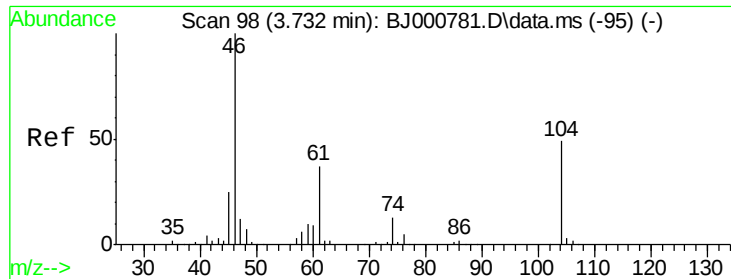
Delta R.T. -0.181 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

Tgt Ion:	97	Resp:	2520504
Ion Ratio	Lower	Upper	
97	100		
123	52.7	40.6	80.6
43	20.4	0.0	37.6
41	9.7	0.0	28.4





#5

1,4-Oxathiane

Concen: 23.81 ug/mL

RT: 3.759 min Scan# 10

Delta R.T. 0.033 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

Instrument :

BNA_J

ClientSampleId :

CWA-6

Tgt Ion: 46 Resp: 2382427

Ion Ratio Lower Upper

46 100

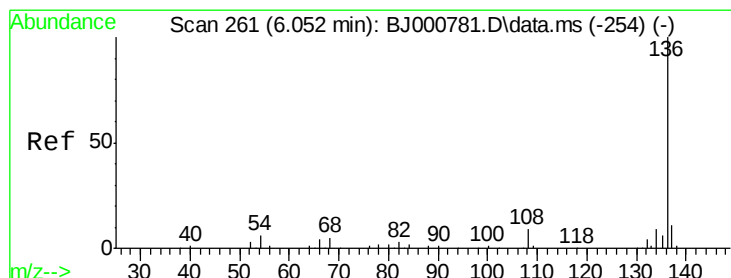
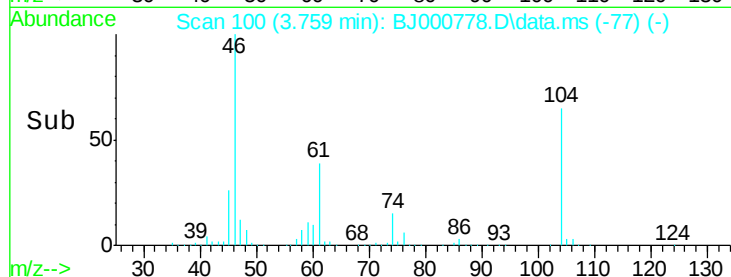
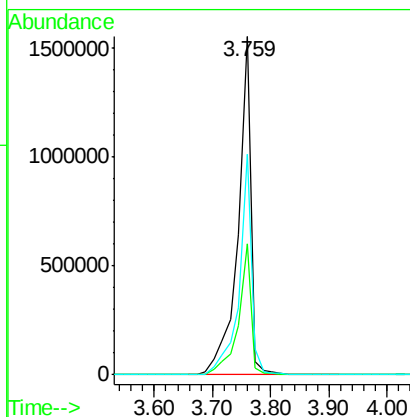
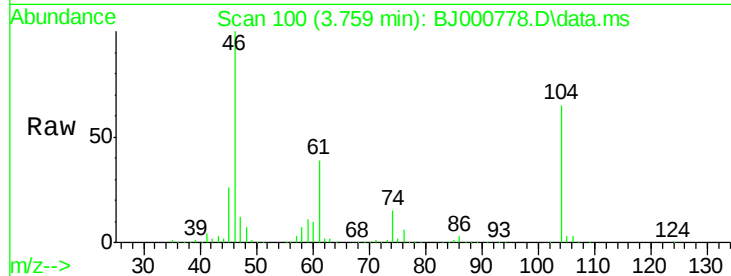
61 38.6 14.6 54.6

104 65.3 13.7 53.7#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL m

RT: 6.121 min Scan# 266

Delta R.T. 0.061 min

Lab File: BJ000778.D

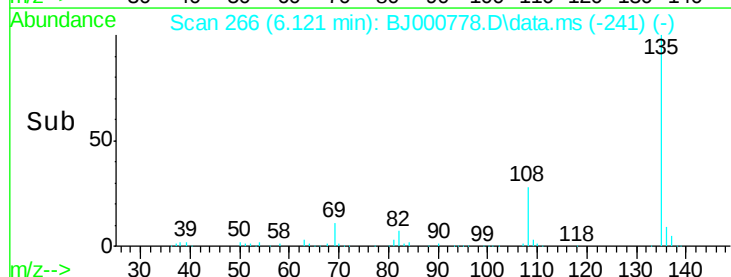
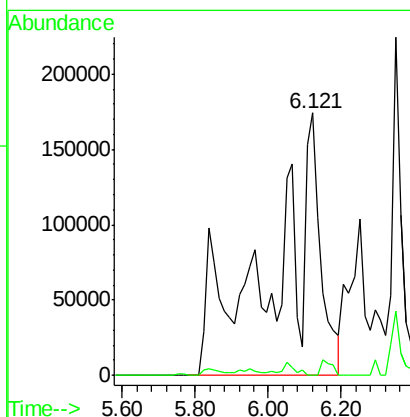
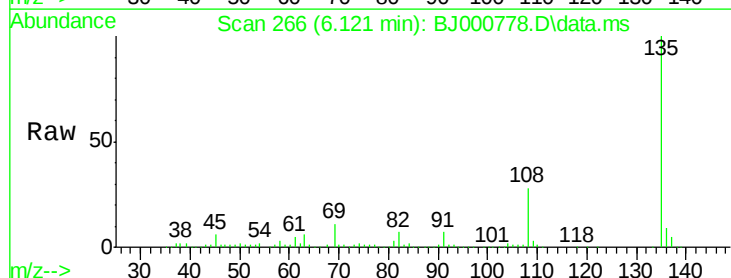
Acq: 26 Apr 2012 13:16

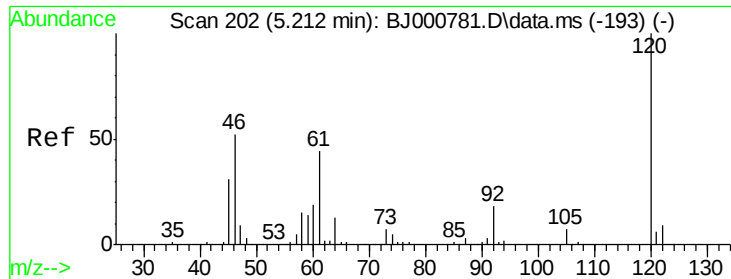
Tgt Ion: 136 Resp: 1513241

Ion Ratio Lower Upper

136 100

68 0.0 0.0 23.7





#7

1,4-Dithiane

Concen: 18.97 ug/mL m

RT: 5.210 min Scan# 20

Delta R.T. 0.004 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

Instrument :

BNA_J

ClientSampleId :

CWA-6

Tgt Ion: 46 Resp: 1958061

Ion Ratio Lower Upper

46 100

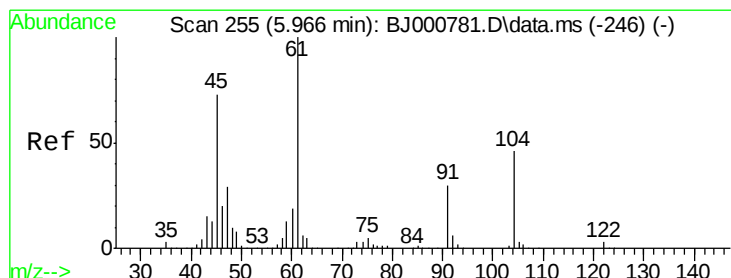
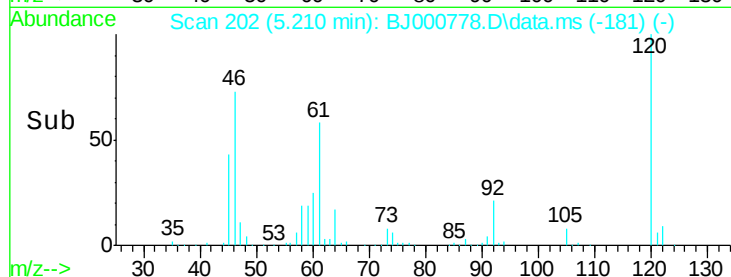
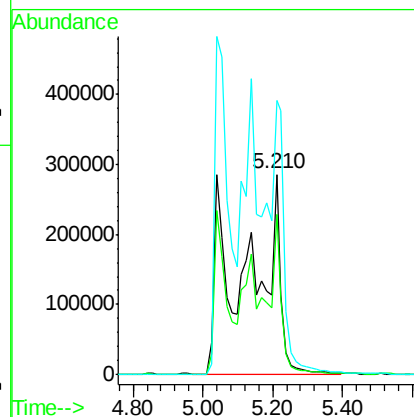
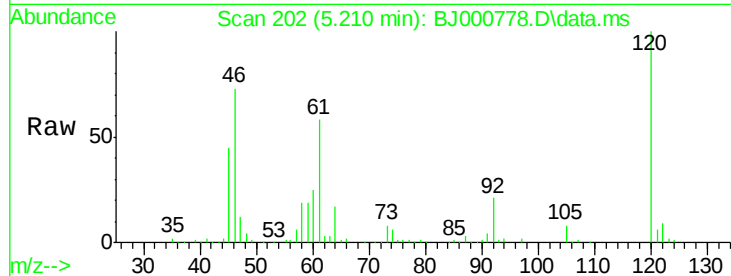
61 79.7 62.3 102.3

120 136.8 149.0 189.0#

Manual Integrations
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#8

Thiodiglycol

Concen: 170.07 ug/mL m

RT: 6.007 min Scan# 258

Delta R.T. 0.061 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

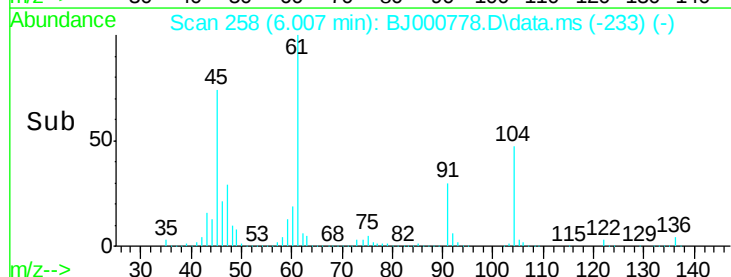
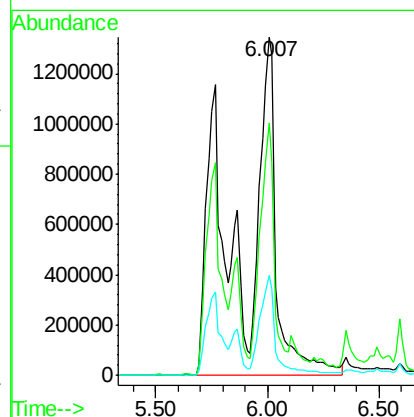
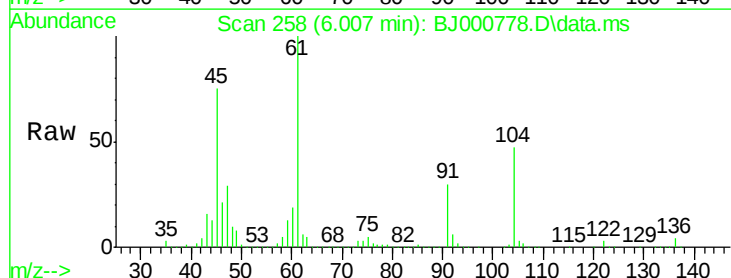
Tgt Ion: 61 Resp: 14197322

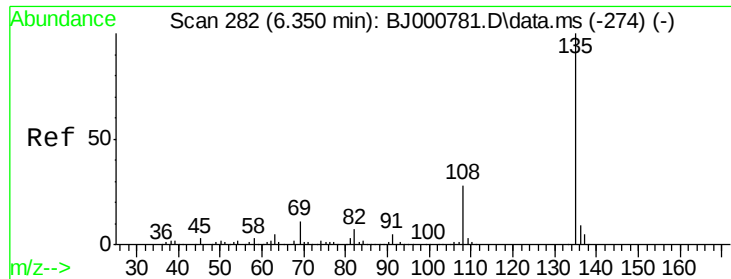
Ion Ratio Lower Upper

61 100

45 74.6 49.4 89.4

47 29.5 7.9 47.9





#9

Benzothiazole

Concen: 34.78 ug/mL m

RT: 6.349 min Scan# 281

Delta R.T. 0.004 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

Instrument :

BNA_J

ClientSampled :

CWA-6

Tgt Ion:135 Resp:14411991

Ion Ratio Lower Upper

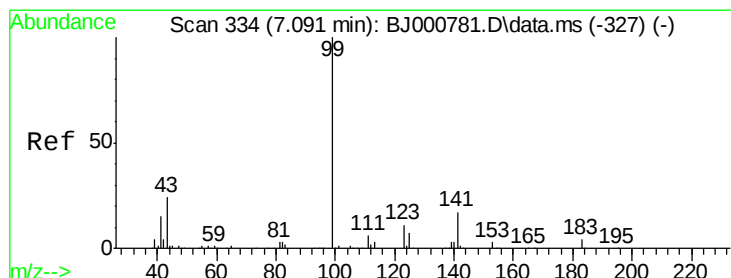
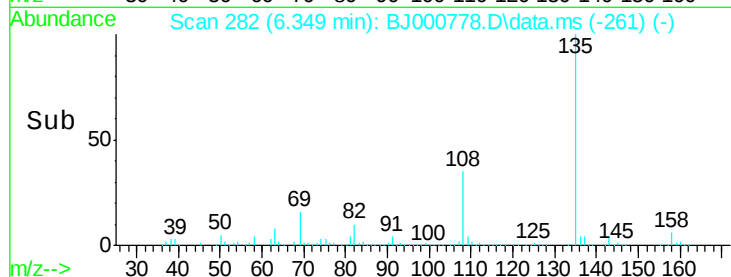
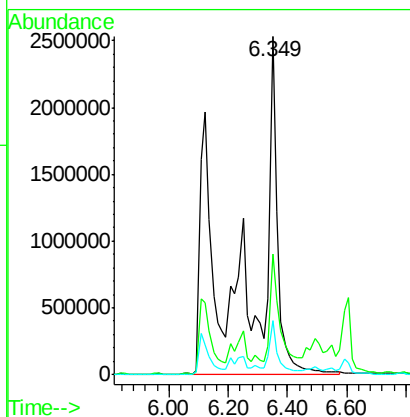
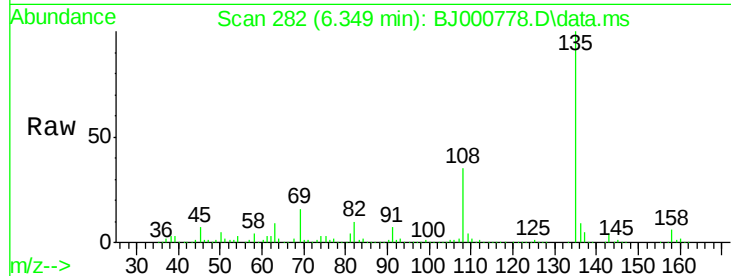
135 100

108 35.5 11.0 51.0

69 16.0 0.0 34.2

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#10

Tripropylphosphate

Concen: 7.93 ug/mL m

RT: 7.103 min Scan# 335

Delta R.T. 0.004 min

Lab File: BJ000778.D

Acq: 26 Apr 2012 13:16

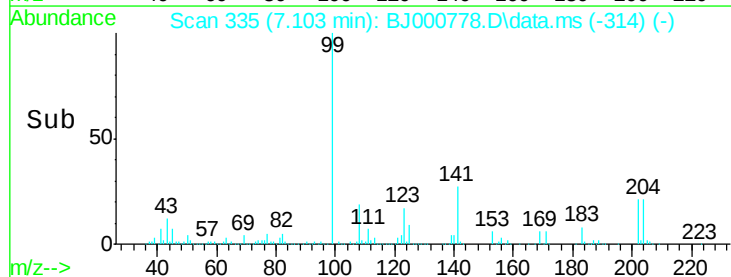
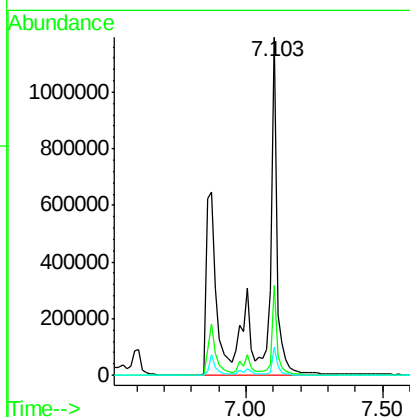
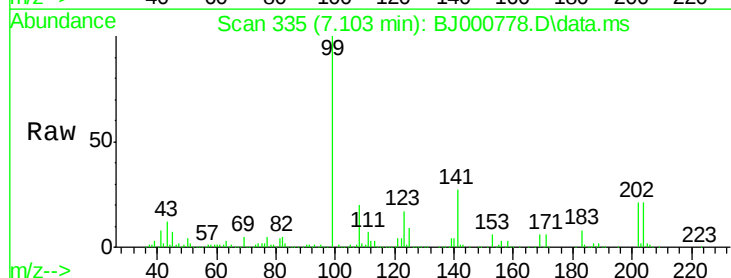
Tgt Ion: 99 Resp: 4254537

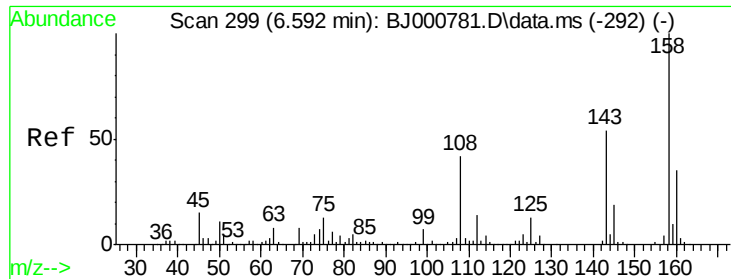
Ion Ratio Lower Upper

99 100

141 8.6 17.8 26.6#

183 2.9 5.4 8.0#





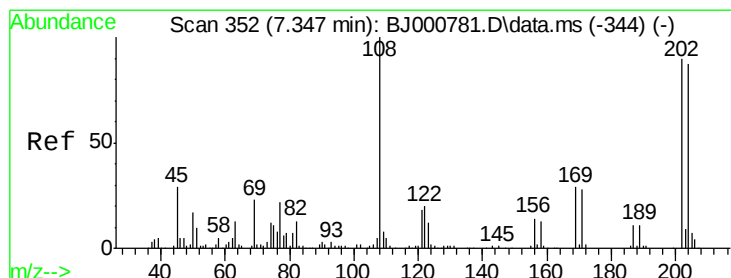
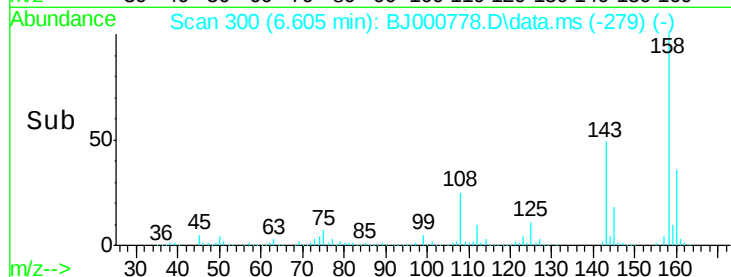
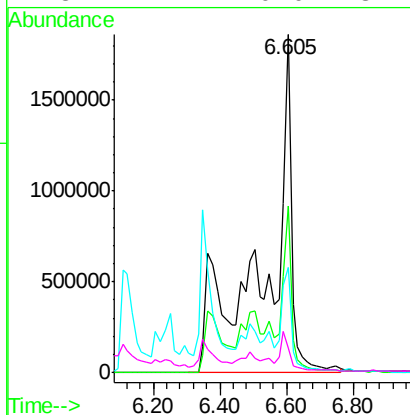
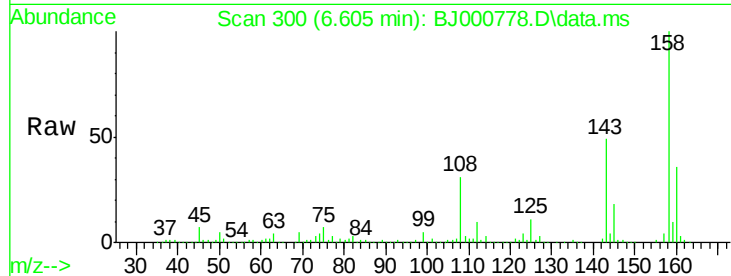
#11
p-Chlorophenylmethylsulfide
Concen: 33.45 ug/mL m
RT: 6.605 min Scan# 30
Delta R.T. 0.004 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Instrument :
BNA_J
ClientSampleId :
CWA-6

Tgt Ion:158 Resp: 9410067
Ion Ratio Lower Upper
158 100
143 49.4 31.4 71.4
108 31.0 15.5 55.5
45 7.1 0.0 32.2

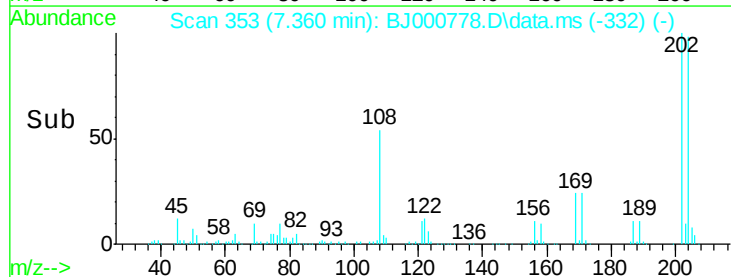
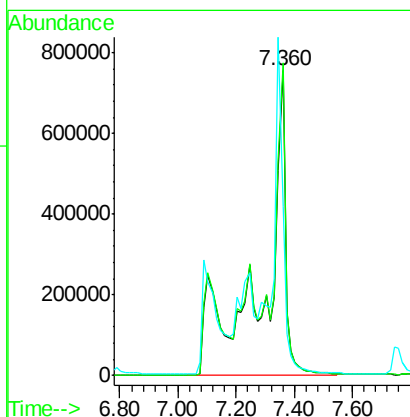
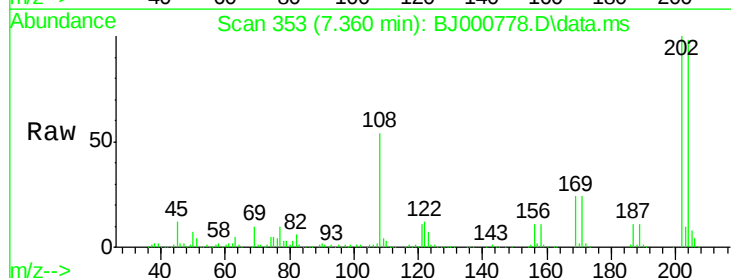
Manual Integrations
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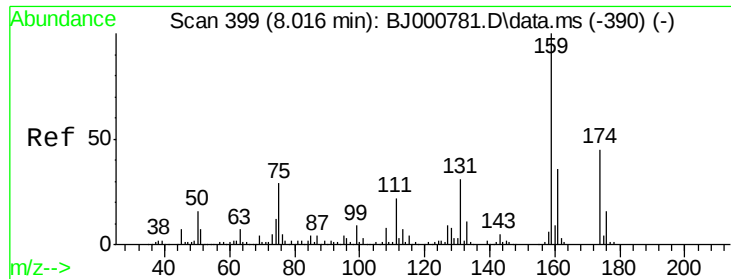
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#12
2-Bromothioanisole
Concen: 36.75 ug/mL m
RT: 7.360 min Scan# 353
Delta R.T. 0.004 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Tgt Ion:204 Resp: 3861579
Ion Ratio Lower Upper
204 100
202 102.5 82.9 122.9
108 55.4 57.9 97.9#





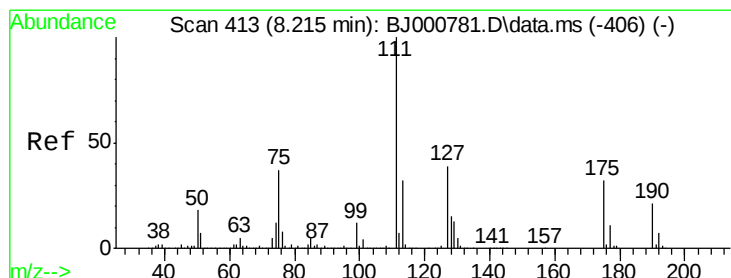
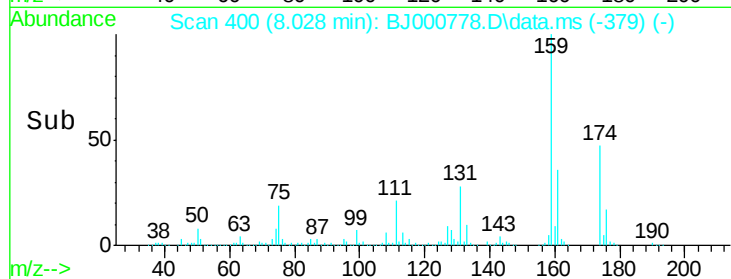
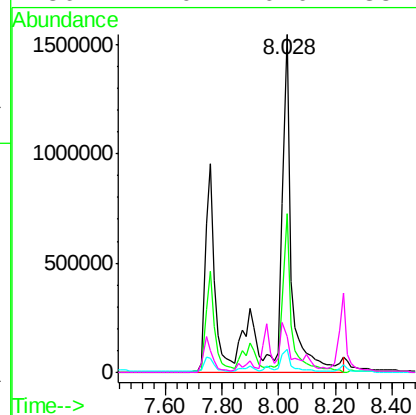
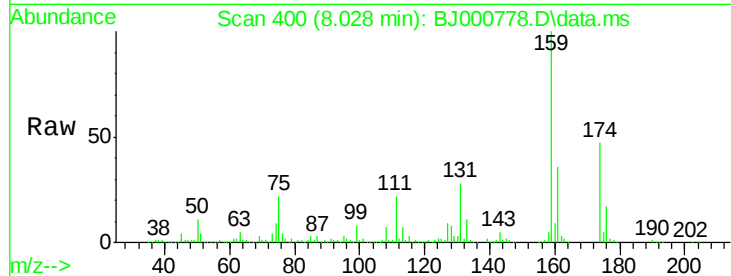
#13
p-Chlorophenylmethylsulfoxide
Concen: 44.75 ug/mL m
RT: 8.028 min Scan# 40
Delta R.T. 0.004 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Instrument :
BNA_J
ClientSampleId :
CWA-6

Tgt Ion	Ratio	Lower	Upper
159	100		
174	6.0	31.3	71.3#
108	1.0	0.0	31.3
50	2.0	0.0	35.6

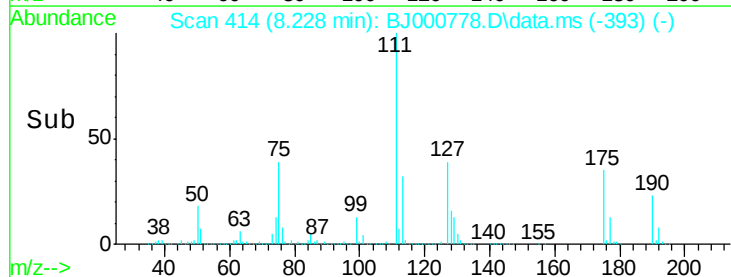
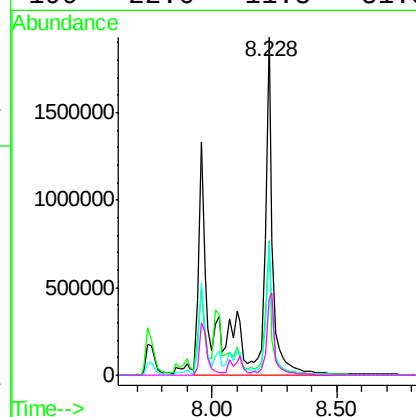
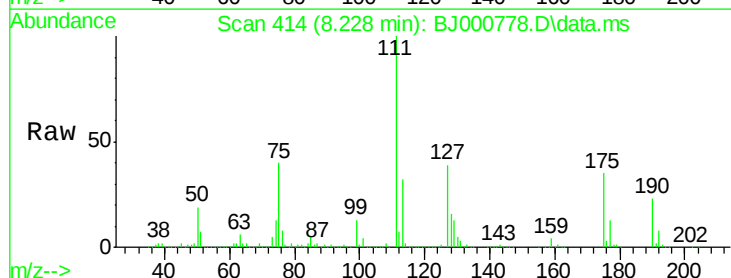
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 38.18 ug/mL m
RT: 8.228 min Scan# 414
Delta R.T. 0.004 min
Lab File: BJ000778.D
Acq: 26 Apr 2012 13:16

Tgt Ion	Ratio	Lower	Upper
111	100		
75	39.8	14.1	54.1
127	39.2	21.7	61.7
190	22.6	11.8	51.8



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000778.D
 Acq On : 26 Apr 2012 13:16
 Operator : HLM
 Sample : CWA-6
 Misc : STD BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-6

Manual Integrations
 APPROVED

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 5/3/2012 1:41:24 AM

Quant Time: May 03 01:25:45 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Thu Apr 26 16:03:58 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.627	152	287118m	2.00	ug/mL	-0.12
6) Naphthalene-d8	6.121	136	1513241m	2.00	ug/mL	0.06
System Monitoring Compounds						
10) Tripropylphosphate	7.103	99	4254537m	7.93	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	= 1586.00%#		
12) 2-Bromothioanisole	7.360	204	3861579m	36.75	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	= 735.00%#		
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.549	94	2706482m	24.77	ug/mL	
3) DMMP	3.616	79	955304	13.37	ug/mL	95
4) DIMP	4.840	97	2520504m	11.76	ug/mL	
5) 1,4-Oxathiane	3.759	46	2382427	23.81	ug/mL#	69
7) 1,4-Dithiane	5.210	46	1958061m	18.97	ug/mL	
8) Thiodiglycol	6.007	61	14197322m	170.07	ug/mL	
9) Benzothiazole	6.349	135	14411991m	34.78	ug/mL	
11) p-Chlorophenylmethyisu...	6.605	158	9410067m	33.45	ug/mL	
13) p-Chlorophenylmethyisu...	8.028	159	6560218m	44.75	ug/mL	
14) p-Chlorophenylmethyisu...	8.228	111	8369864m	38.18	ug/mL	

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