

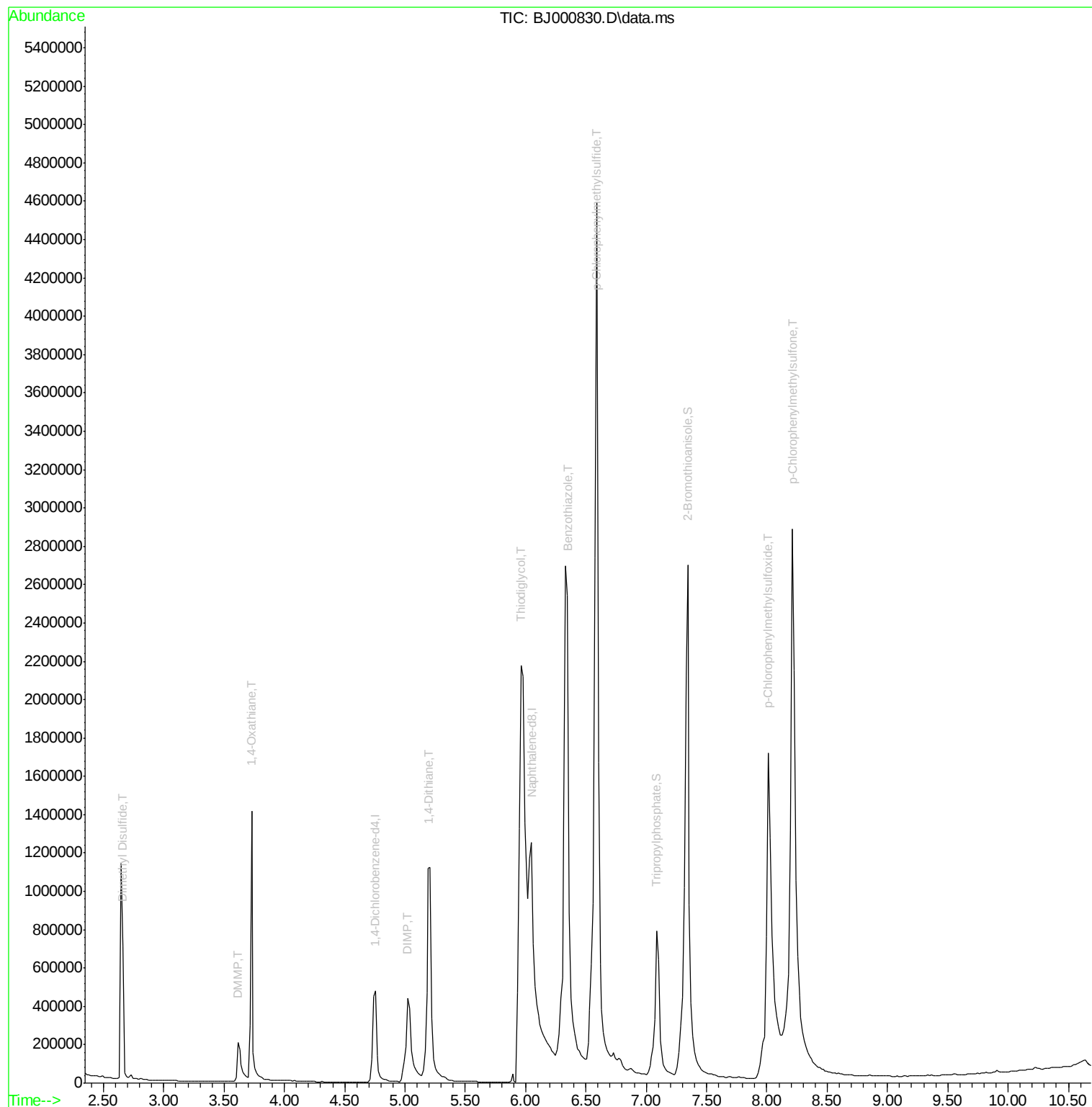
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
Data File : BJ000830.D
Acq On : 27 Apr 2012 20:07
Operator : HLM
Sample : CWA-CCV
Misc : STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

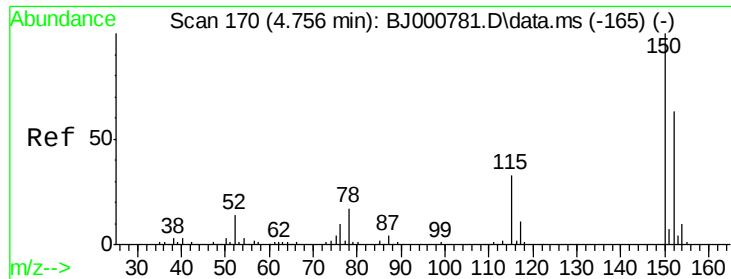
Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:42:35 AM

Quant Time: May 03 01:44:13 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Mon Apr 30 10:31:38 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.753 min Scan# 17

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion:152 Resp: 233391

Ion Ratio Lower Upper

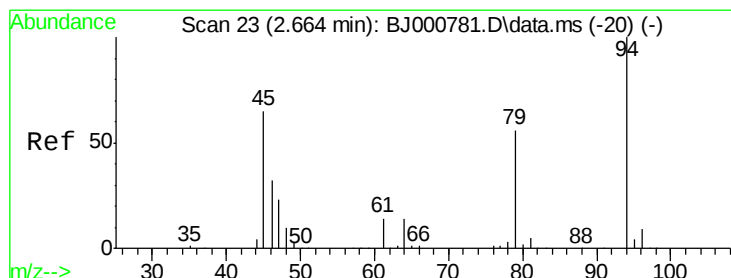
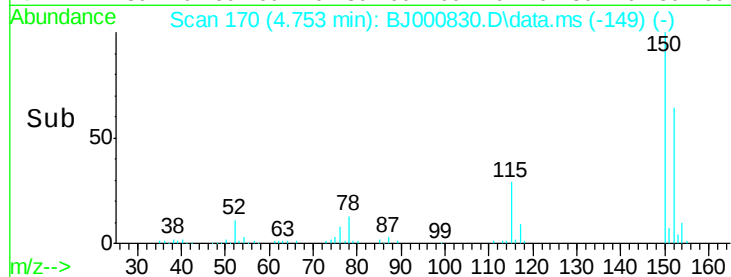
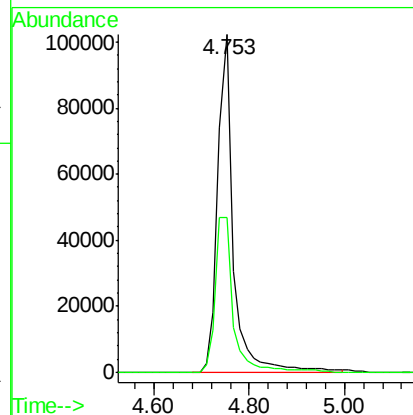
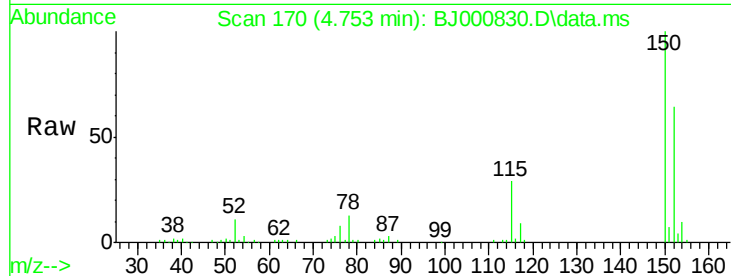
152 100

115 45.8 25.8 65.8

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 5.56 ug/mL

RT: 2.660 min Scan# 23

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

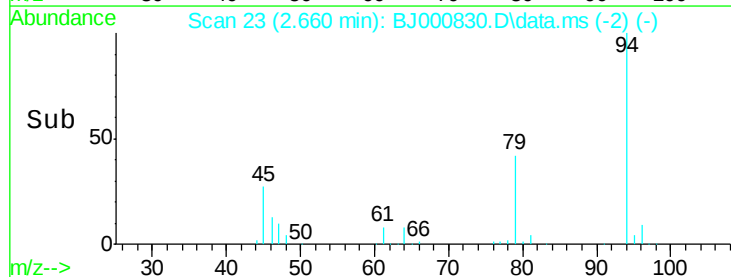
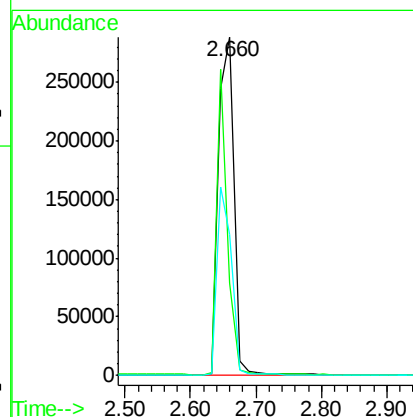
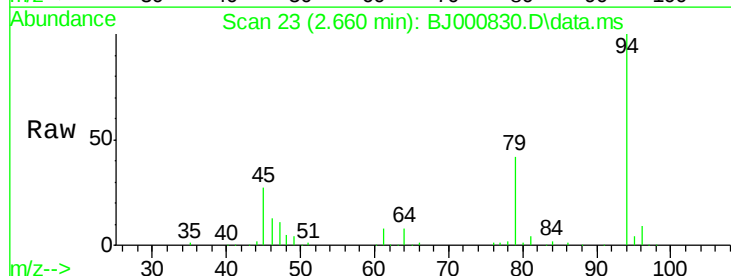
Tgt Ion: 94 Resp: 478165

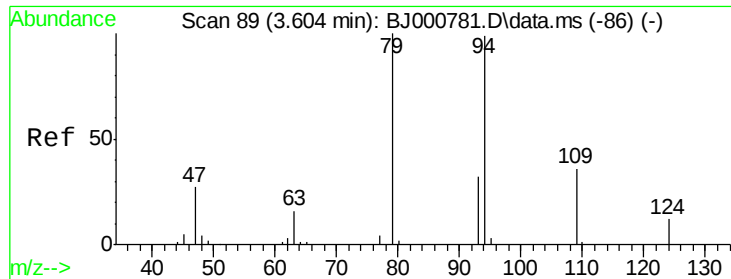
Ion Ratio Lower Upper

94 100

45 27.2 7.2 47.2

79 41.6 21.6 61.6





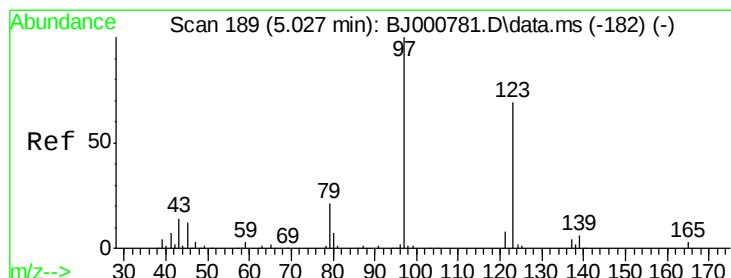
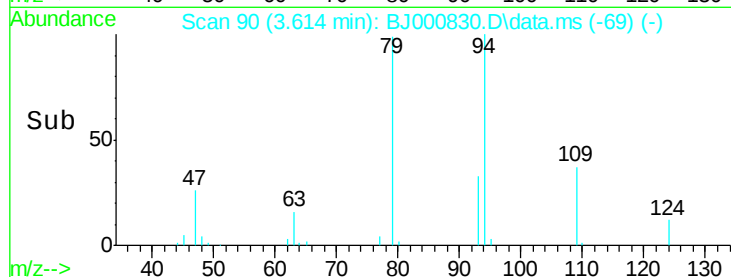
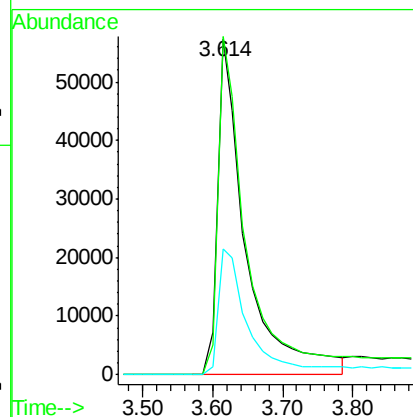
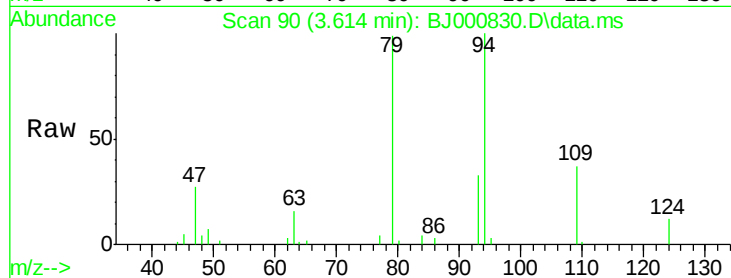
#3
DMMP
Concen: 2.18 ug/mL
RT: 3.614 min Scan# 90
Delta R.T. 0.000 min
Lab File: BJ000830.D
Acq: 27 Apr 2012 20:07

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion: 79 Resp: 162617
Ion Ratio Lower Upper
79 100
94 100.8 80.8 120.8
109 37.5 17.5 57.5

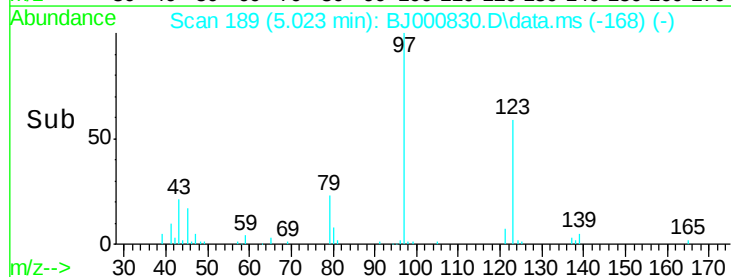
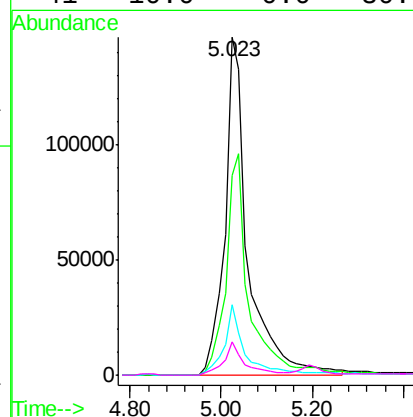
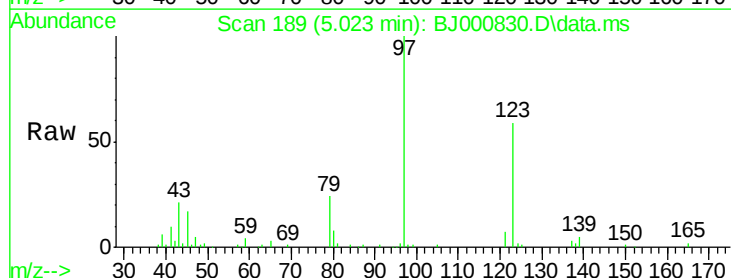
Manual Integrations
APPROVED

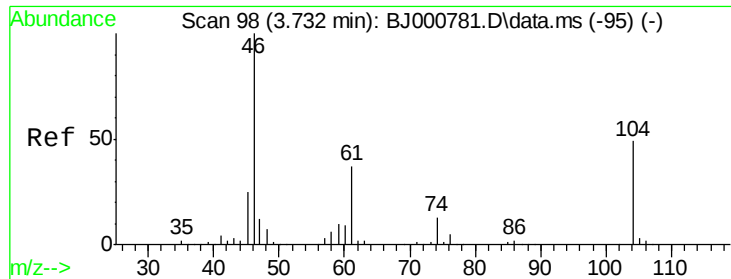
AHPatel
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#4
DIMP
Concen: 2.52 ug/mL
RT: 5.023 min Scan# 189
Delta R.T. 0.000 min
Lab File: BJ000830.D
Acq: 27 Apr 2012 20:07

Tgt Ion: 97 Resp: 518041
Ion Ratio Lower Upper
97 100
123 59.1 39.1 79.1
43 20.9 0.9 40.9
41 10.0 0.0 30.0





#5

1,4-Oxathiane

Concen: 5.83 ug/mL

RT: 3.728 min Scan# 98

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Instrument :

BNA_J

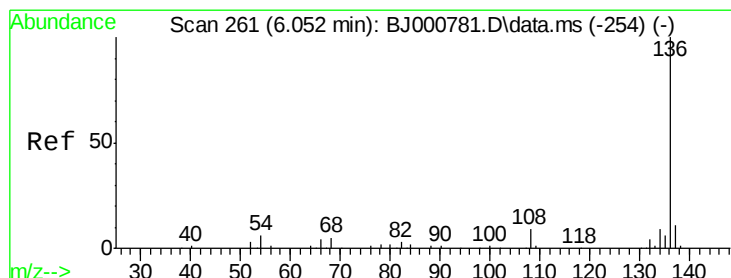
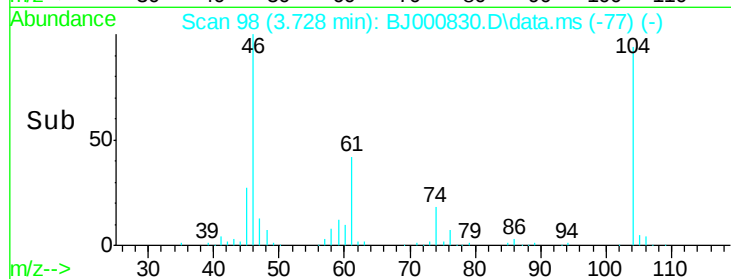
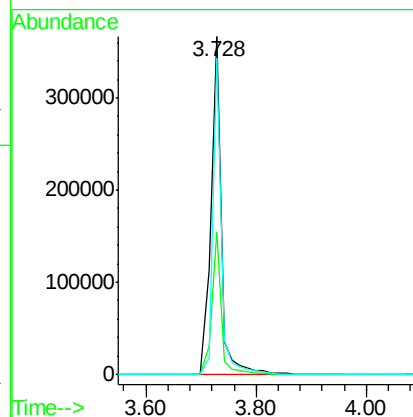
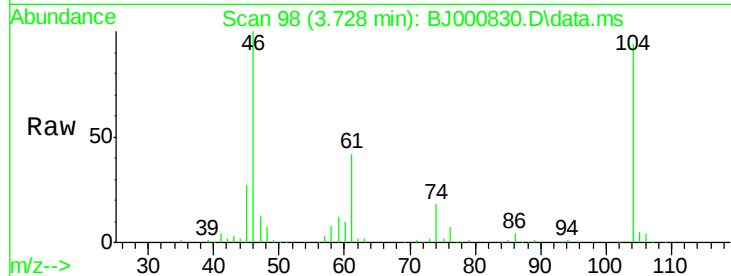
ClientSampleId :

CWA-CCV

Tgt Ion:	46	Resp:	482454
Ion Ratio	Lower	Upper	
46	100		
61	42.0	22.0	62.0
104	93.6	73.6	113.6

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

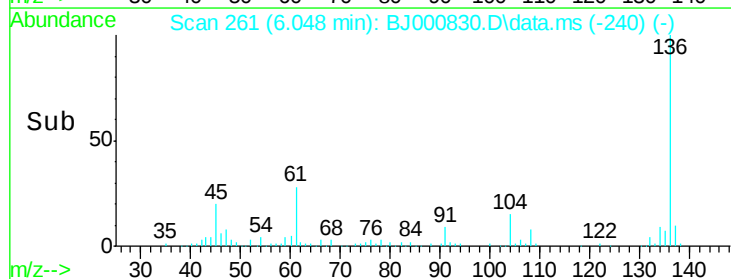
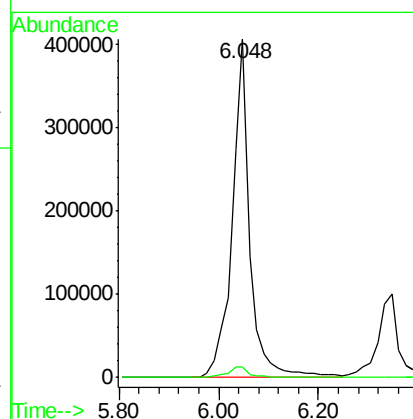
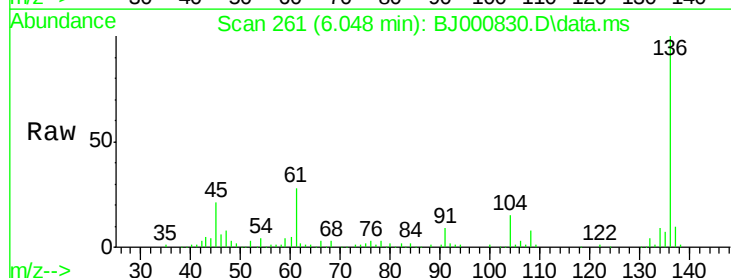
RT: 6.048 min Scan# 261

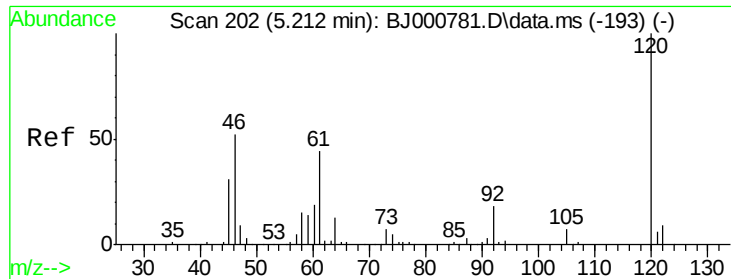
Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Tgt Ion:	136	Resp:	985281
Ion Ratio	Lower	Upper	
136	100		
68	3.1	0.0	23.1





#7

1,4-Dithiane

Concen: 6.46 ug/mL

RT: 5.194 min Scan# 20

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion: 46 Resp: 420576

Ion Ratio Lower Upper

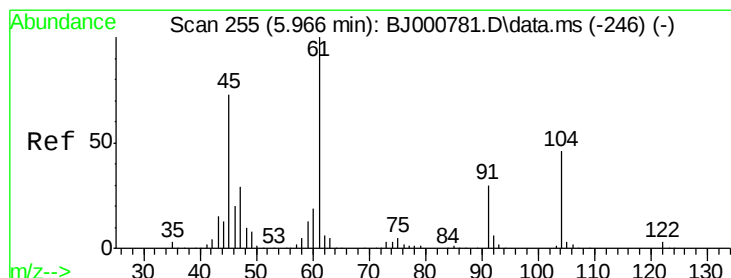
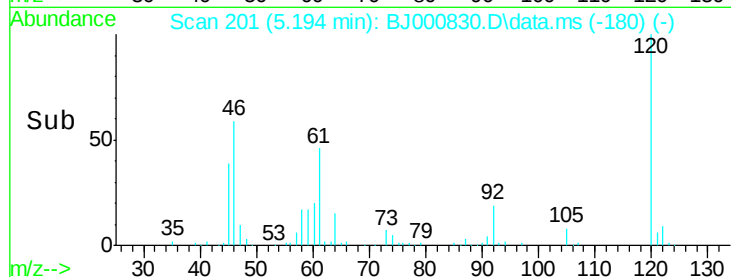
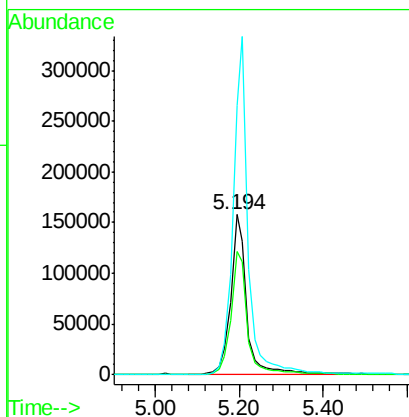
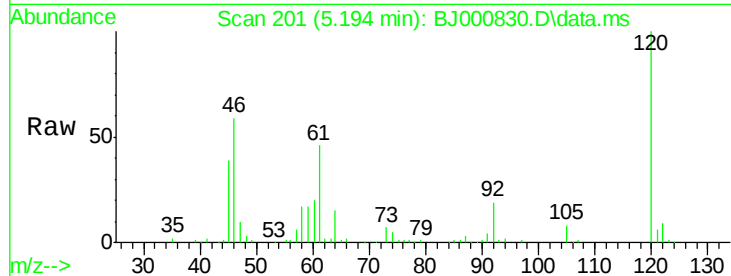
46 100

61 76.7 56.7 96.7

120 168.6 148.6 188.6

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#8

Thiodiglycol

Concen: 45.61 ug/mL m

RT: 5.962 min Scan# 255

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

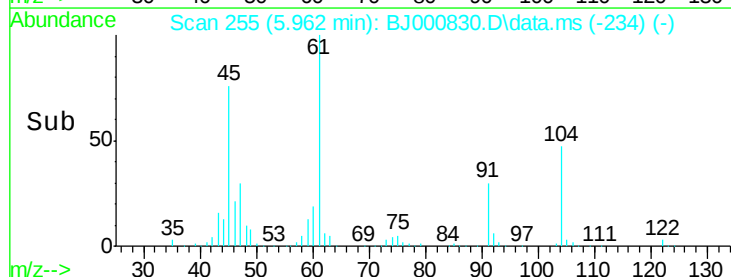
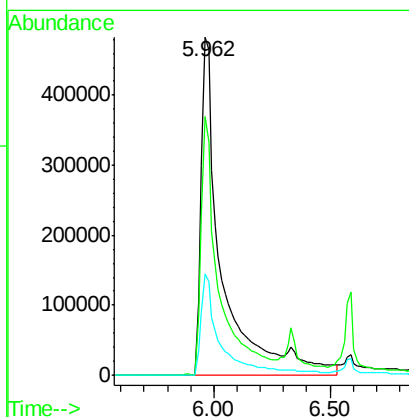
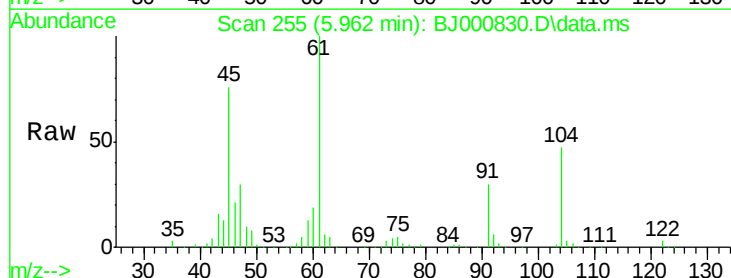
Tgt Ion: 61 Resp: 2999935

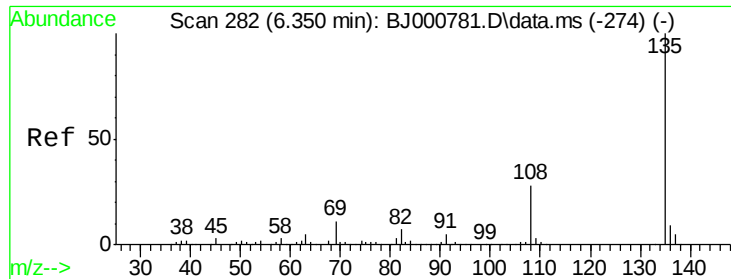
Ion Ratio Lower Upper

61 100

45 76.4 56.4 96.4

47 30.1 10.1 50.1





#9

Benzothiazole

Concen: 13.54 ug/mL

RT: 6.347 min Scan# 28

Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Instrument :

BNA_J

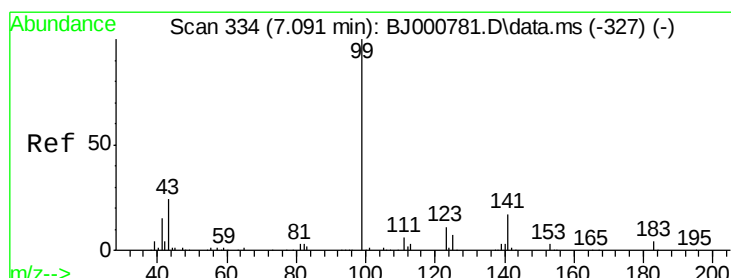
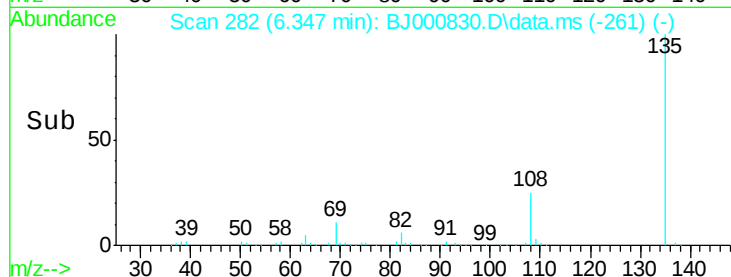
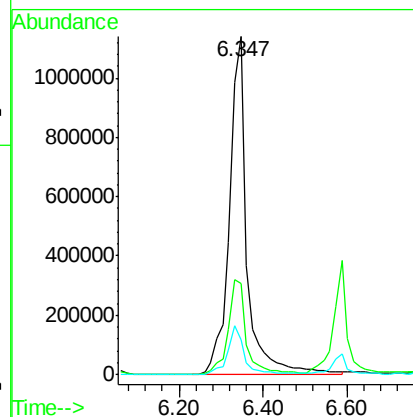
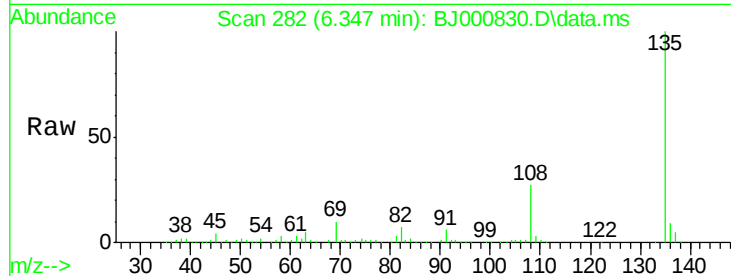
ClientSampleID :

CWA-CCV

Tgt Ion:	135	Resp:	3320655
Ion Ratio	Lower	Upper	
135	100		
108	27.0	7.0	47.0
69	10.4	0.0	30.4

Manual Integrations
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5/3/2012 1:42:35 AM



#10

Tripropylphosphate

Concen: 2.70 ug/mL

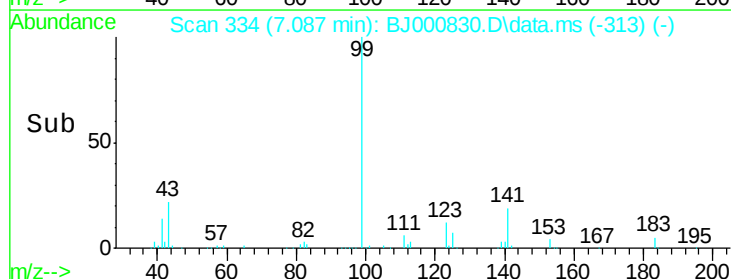
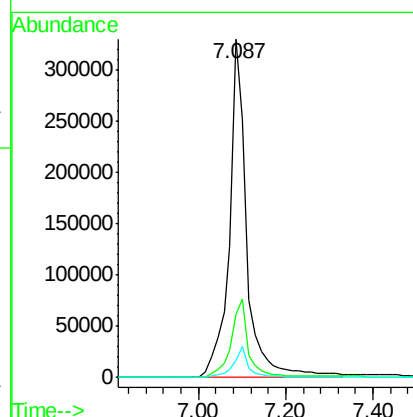
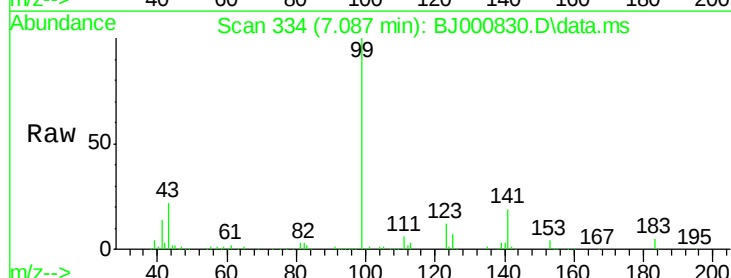
RT: 7.087 min Scan# 334

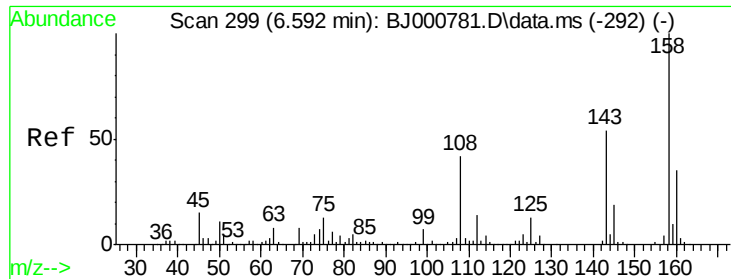
Delta R.T. 0.000 min

Lab File: BJ000830.D

Acq: 27 Apr 2012 20:07

Tgt Ion:	99	Resp:	907058
Ion Ratio	Lower	Upper	
99	100		
141	23.5	18.7	28.1
183	7.7	6.2	9.2





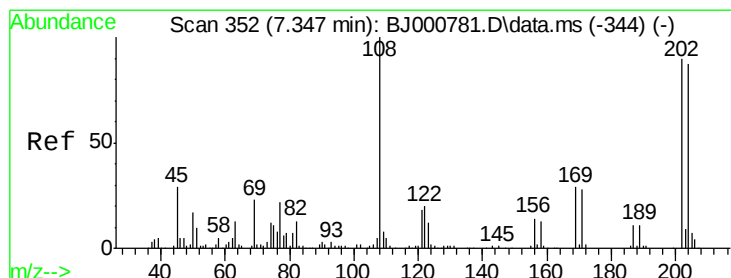
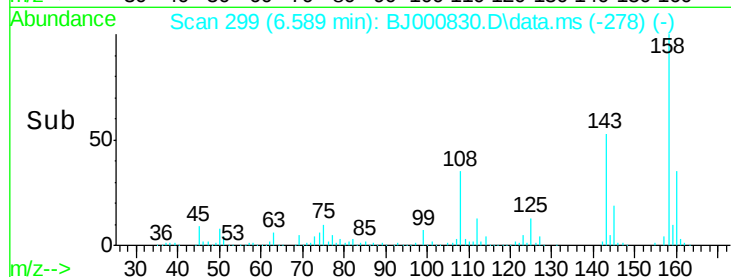
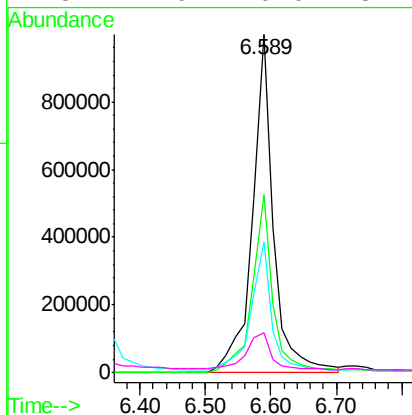
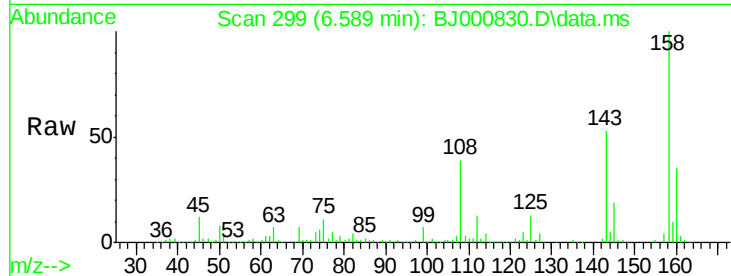
#11
 p-Chlorophenylmethylsulfide
 Concen: 13.06 ug/mL
 RT: 6.589 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: BJ000830.D
 Acq: 27 Apr 2012 20:07

Instrument :
 BNA_J
 ClientSampleId :
 CWA-CCV

Tgt Ion	Ratio	Lower	Upper
158	100		
143	52.7	32.7	72.7
108	38.7	18.7	58.7
45	11.9	0.0	31.9

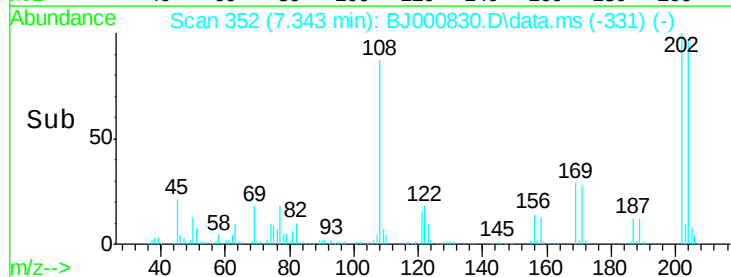
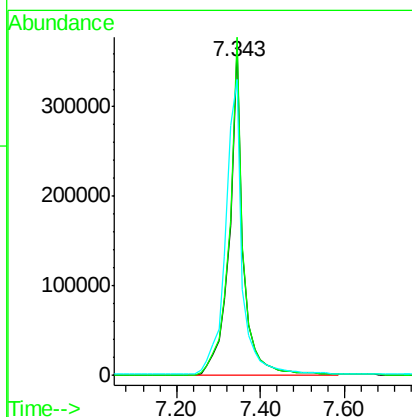
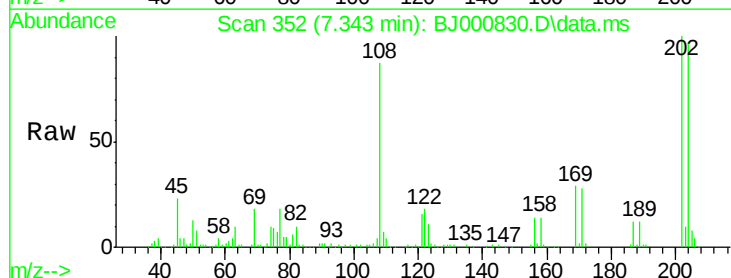
Manual Integrations
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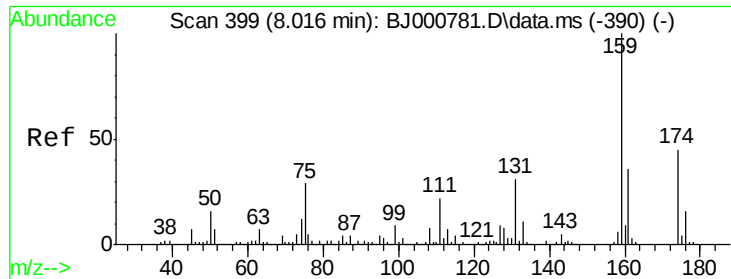
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#12
 2-Bromothioanisole
 Concen: 13.08 ug/mL
 RT: 7.343 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: BJ000830.D
 Acq: 27 Apr 2012 20:07

Tgt Ion	Ratio	Lower	Upper
204	100		
202	102.9	82.9	122.9
108	90.0	70.0	110.0





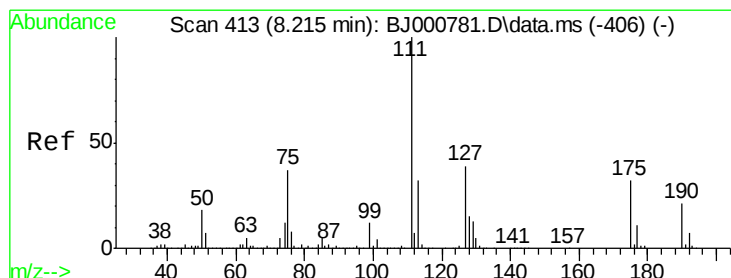
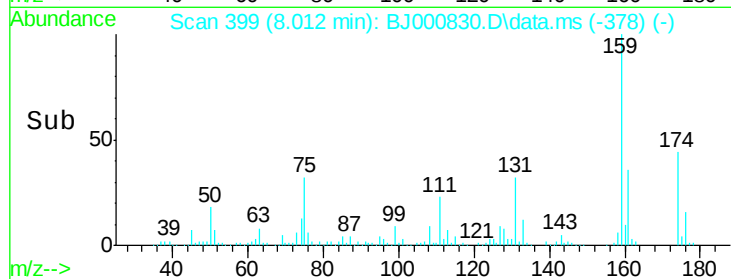
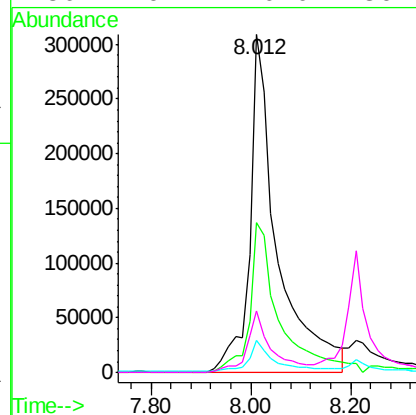
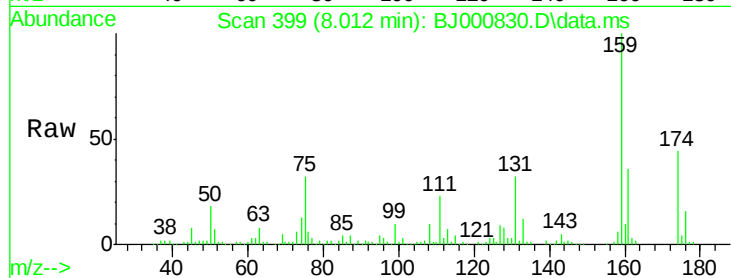
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.48 ug/mL
RT: 8.012 min Scan# 39
Delta R.T. 0.000 min
Lab File: BJ000830.D
Acq: 27 Apr 2012 20:07

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	1181631		
174	48.0		28.0	68.0
108	8.5		0.0	28.5
50	16.1		0.0	36.1

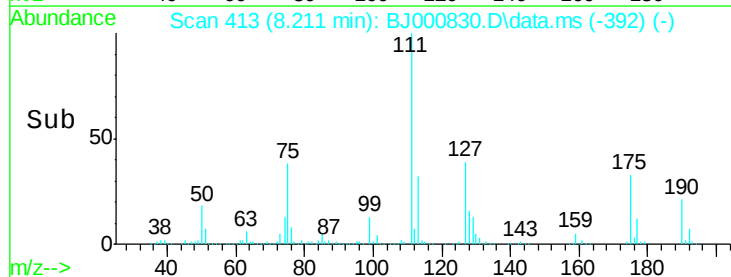
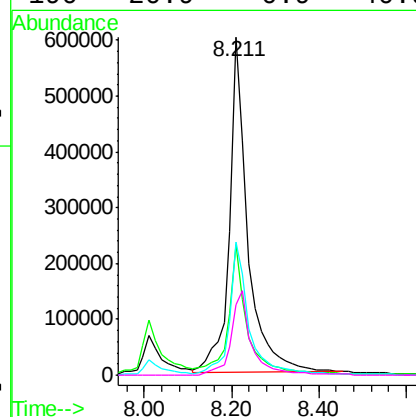
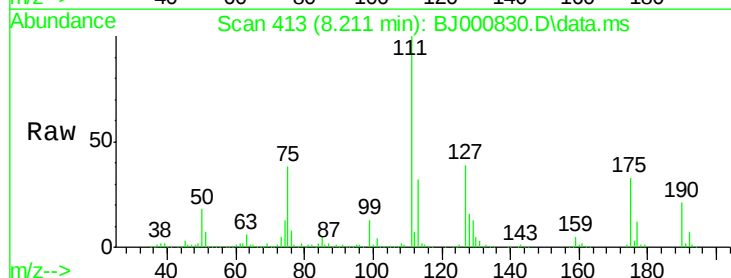
Manual Integrations
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5/3/2012 1:42:35 AM



#14
p-Chlorophenylmethylsulfone
Concen: 12.58 ug/mL
RT: 8.211 min Scan# 413
Delta R.T. 0.000 min
Lab File: BJ000830.D
Acq: 27 Apr 2012 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	1755990		
75	38.5		18.5	58.5
127	39.3		19.3	59.3
190	20.9		0.9	40.9



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042712\
 Data File : BJ000830.D
 Acq On : 27 Apr 2012 20:07
 Operator : HLM
 Sample : CWA-CCV
 Misc : STD BNA_J HLM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-CCV

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:42:35 AM

Quant Time: May 03 01:44:13 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Mon Apr 30 10:31:38 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.753	152	233391	2.00	ug/mL	0.00
6) Naphthalene-d8	6.048	136	985281	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.087	99	907058	2.70	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	540.00%#	
12) 2-Bromothioanisole	7.343	204	845238	13.08	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	261.60%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.660	94	478165	5.56	ug/mL	100
3) DMMP	3.614	79	162617	2.18	ug/mL	100
4) DIMP	5.023	97	518041	2.52	ug/mL	100
5) 1,4-Oxathiane	3.728	46	482454	5.83	ug/mL	100
7) 1,4-Dithiane	5.194	46	420576	6.46	ug/mL	100
8) Thiodiglycol	5.962	61	2999935m	45.61	ug/mL	
9) Benzothiazole	6.347	135	3320655	13.54	ug/mL	100
11) p-Chlorophenylmethyisu...	6.589	158	2215060	13.06	ug/mL	100
13) p-Chlorophenylmethyisu...	8.012	159	1181631	12.48	ug/mL	100
14) p-Chlorophenylmethyisu...	8.211	111	1755990	12.58	ug/mL	100

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