

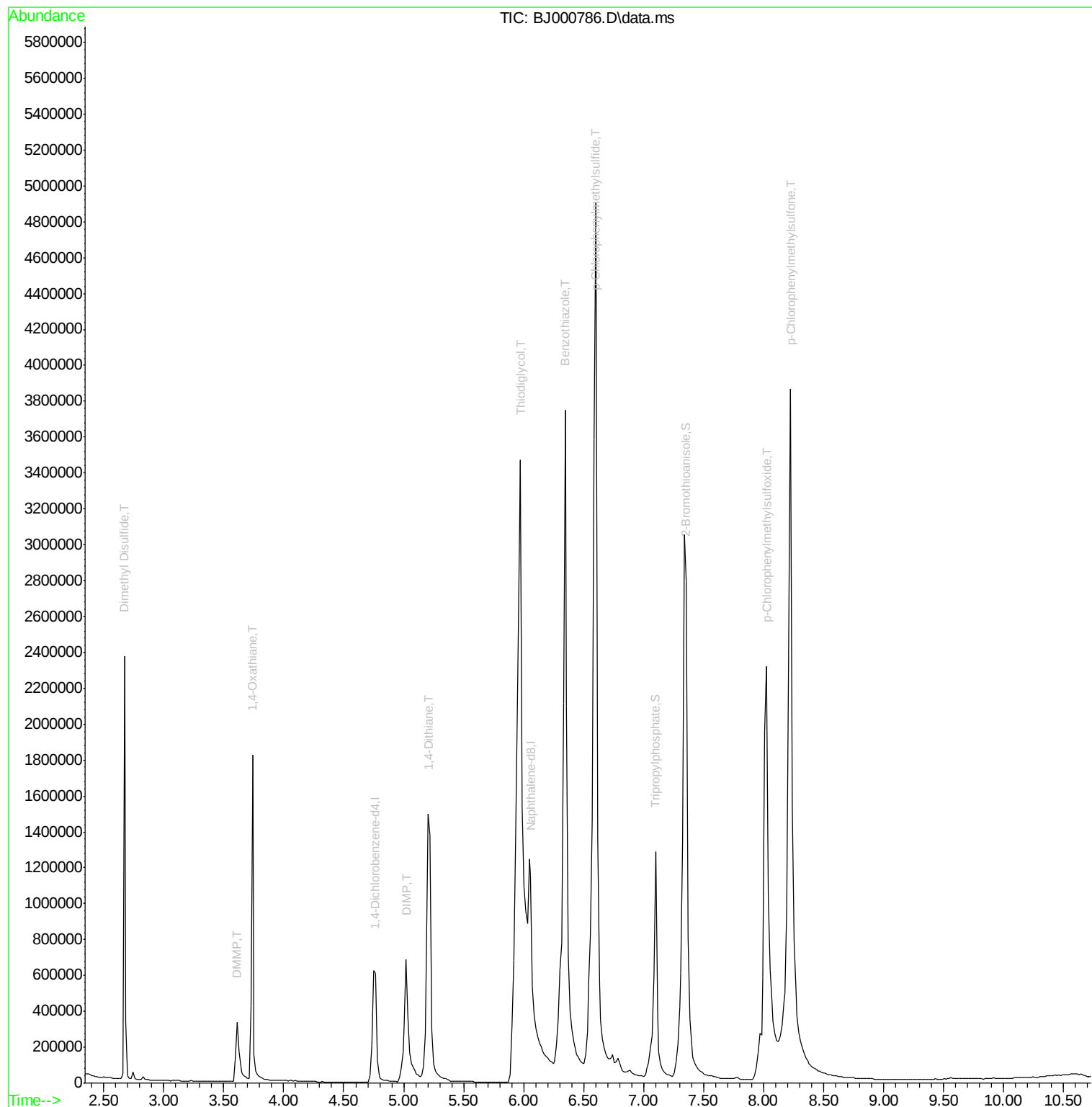
Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
Data File : BJ000786.D
Acq On : 26 Apr 2012 16:11
Operator : HLM
Sample : CWA-CCV
Misc : STD BNA_J HLM
ALS Vial : 2 Sample Multiplier: 1

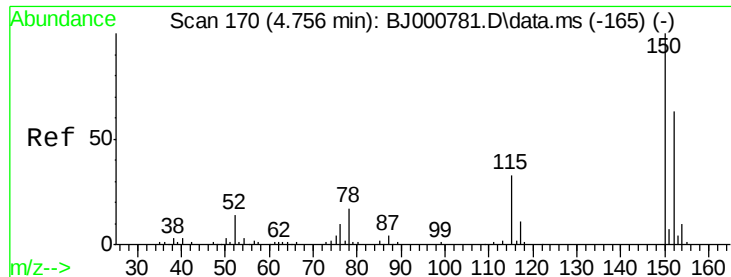
Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Manual Integrations
APPROVED

AHPatel
5/3/2012 1:41:36 AM

Quant Time: May 02 05:41:22 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Thu Apr 26 16:13:22 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.764 min Scan# 17

Delta R.T. 0.008 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion:152 Resp: 296881

Ion Ratio Lower Upper

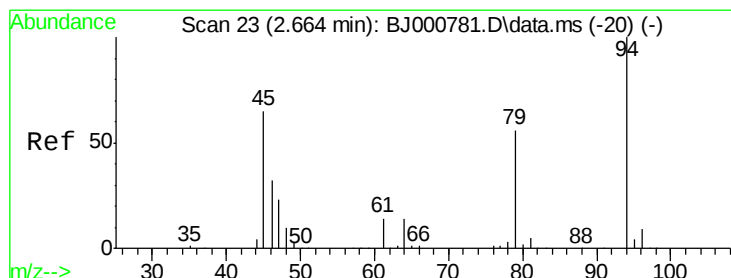
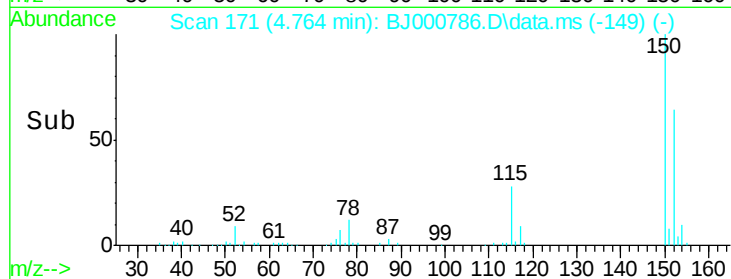
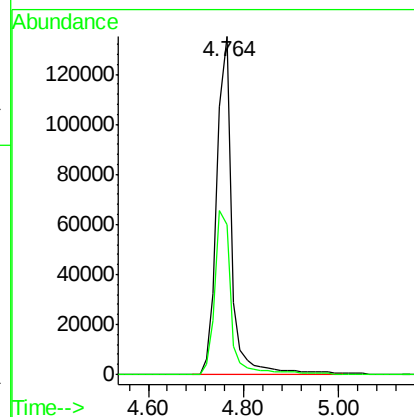
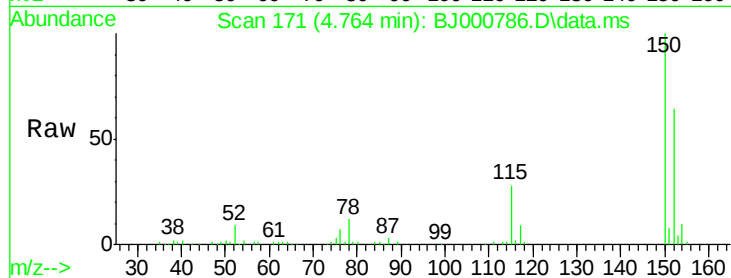
152 100

115 44.2 36.9 76.9

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#2

Dimethyl Disulfide

Concen: 6.62 ug/mL

RT: 2.672 min Scan# 24

Delta R.T. 0.008 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

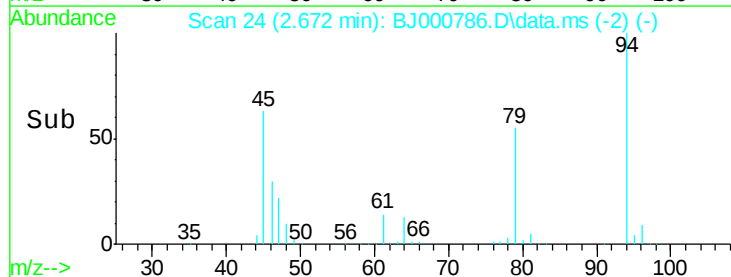
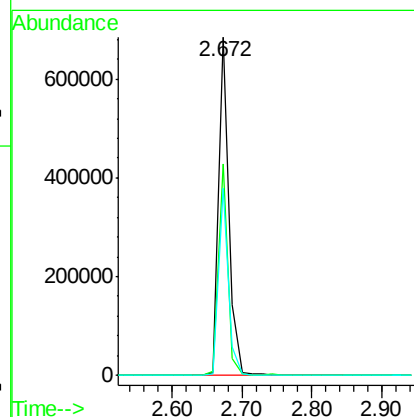
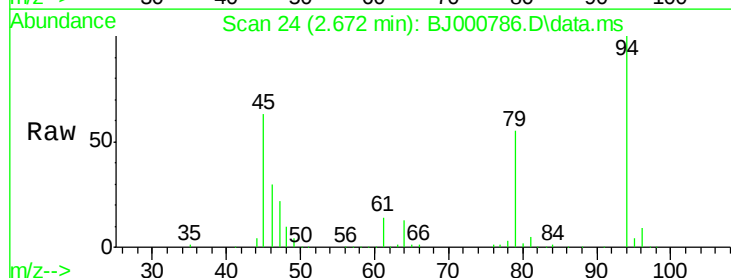
Tgt Ion: 94 Resp: 723405

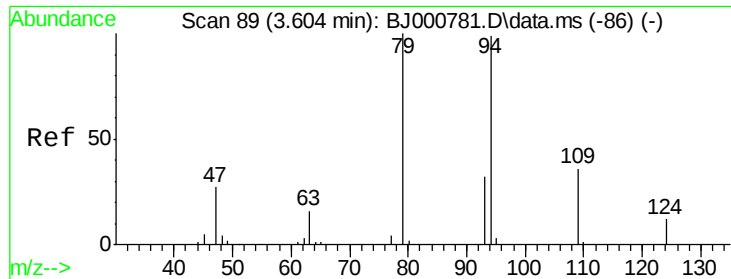
Ion Ratio Lower Upper

94 100

45 62.7 72.8 112.8#

79 55.3 43.9 83.9





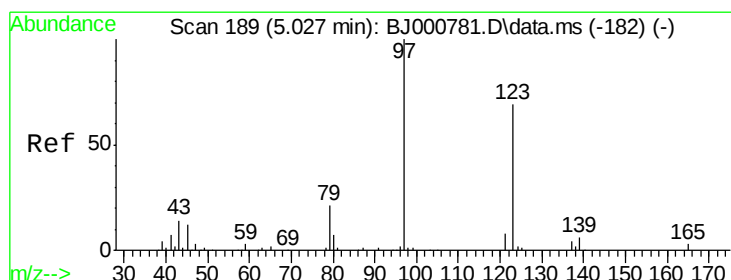
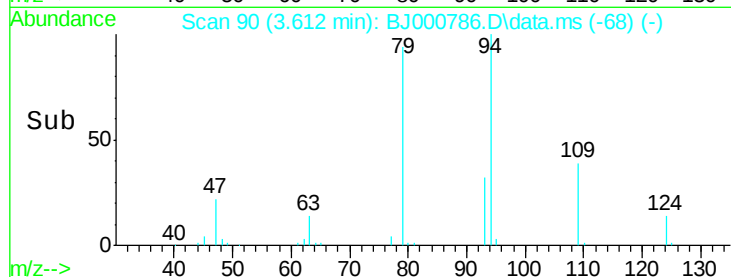
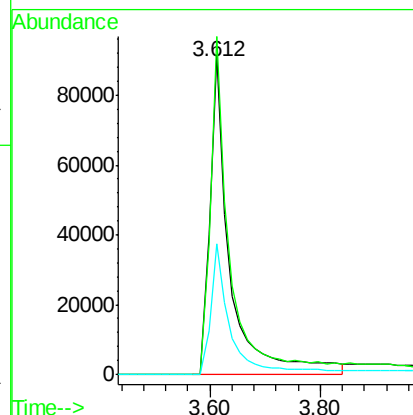
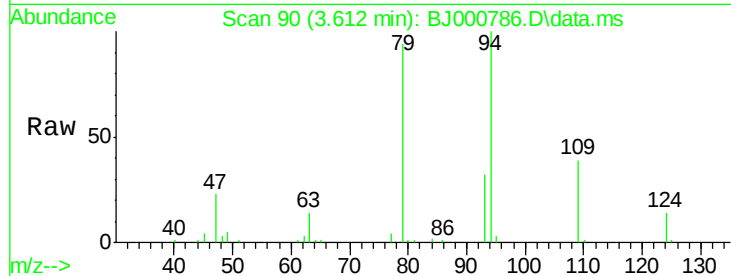
#3
DMMP
Concen: 2.45 ug/mL
RT: 3.612 min Scan# 90
Delta R.T. 0.009 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	233352		
94	105.9	81.5	121.5	
109	40.8	18.2	58.2	

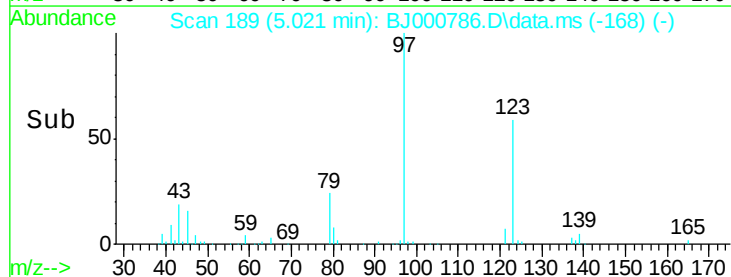
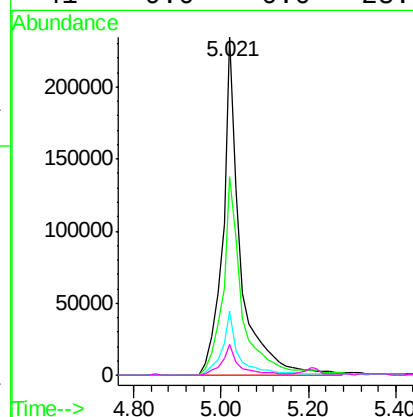
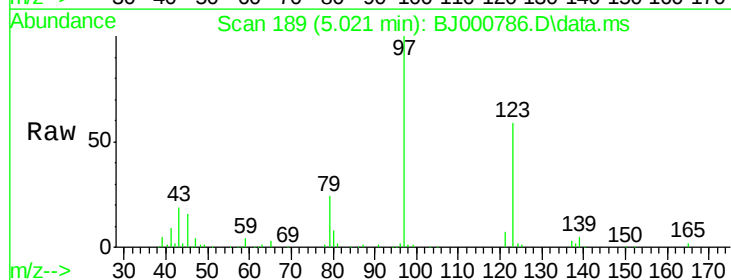
Manual Integrations
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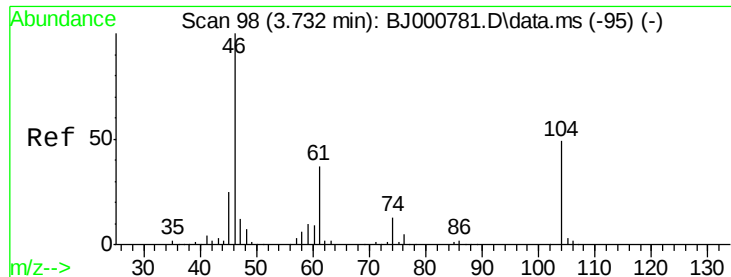
AHPatel
5/3/2012 1:41:36 AM



#4
DIMP
Concen: 2.55 ug/mL
RT: 5.021 min Scan# 189
Delta R.T. -0.005 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	666125		
123	58.9	40.6	80.6	
43	18.8	0.0	37.6	
41	9.0	0.0	28.4	





#5

1,4-Oxathiane

Concen: 5.74 ug/mL

RT: 3.740 min Scan# 99

Delta R.T. 0.008 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Instrument :

BNA_J

ClientSampleId :

CWA-CCV

Tgt Ion: 46 Resp: 604387

Ion Ratio Lower Upper

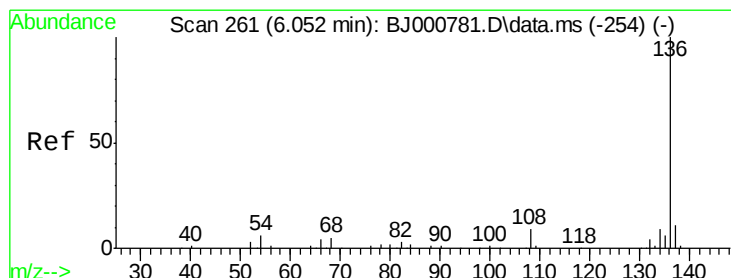
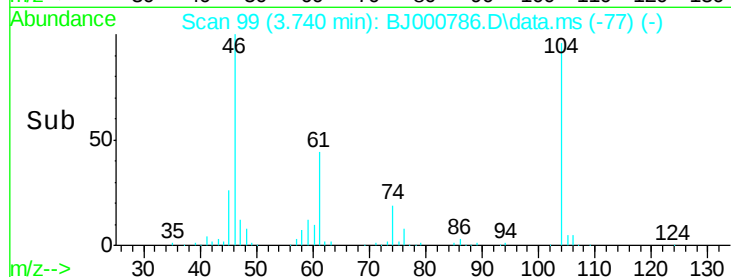
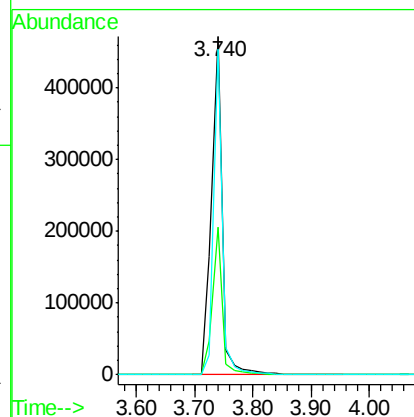
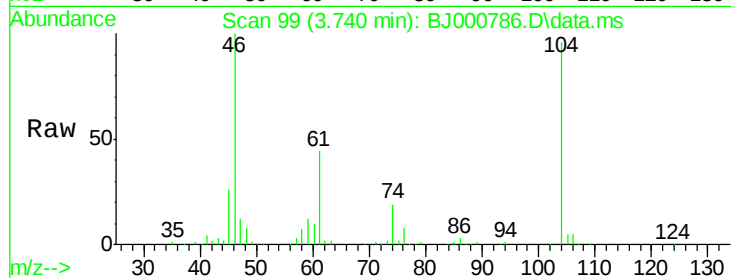
46 100

61 43.6 14.6 54.6

104 96.3 13.7 53.7#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.060 min Scan# 262

Delta R.T. 0.008 min

Lab File: BJ000786.D

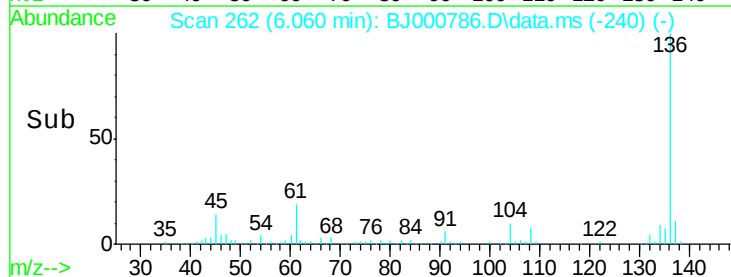
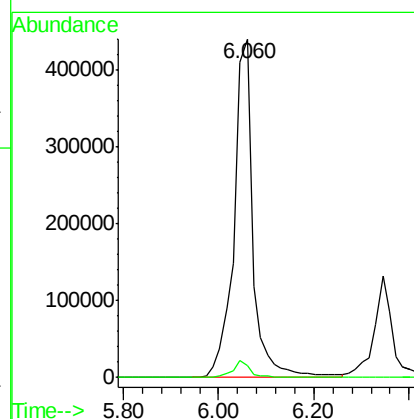
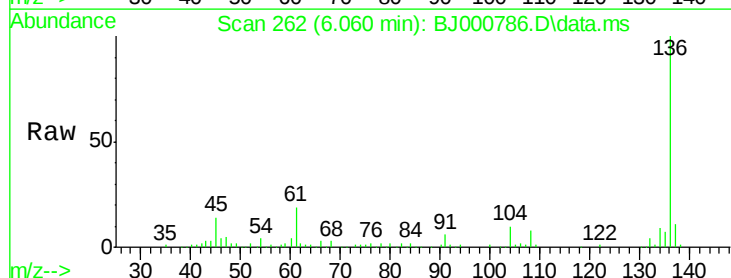
Acq: 26 Apr 2012 16:11

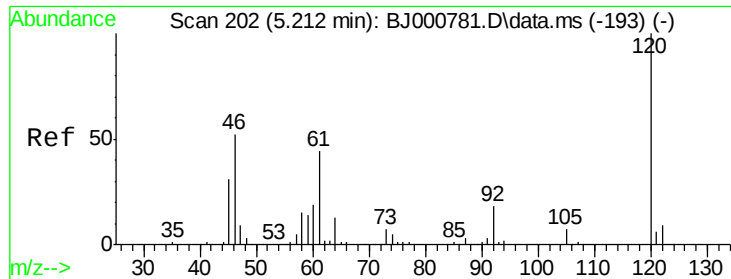
Tgt Ion: 136 Resp: 1209190

Ion Ratio Lower Upper

136 100

68 3.3 0.0 23.7





#7

1,4-Dithiane

Concen: 6.58 ug/mL

RT: 5.206 min Scan# 20

Delta R.T. -0.006 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Instrument :

BNA_J

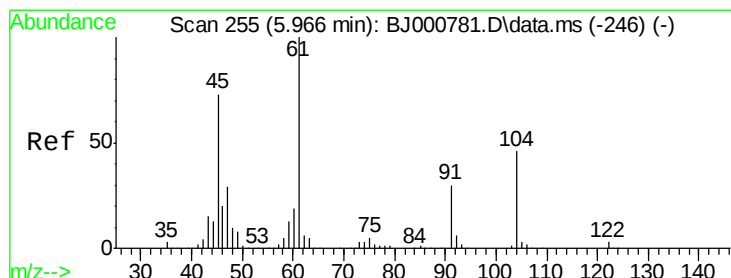
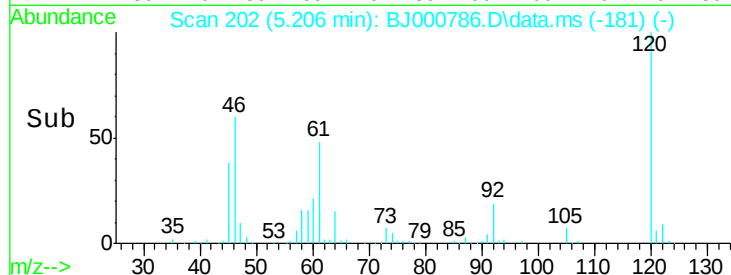
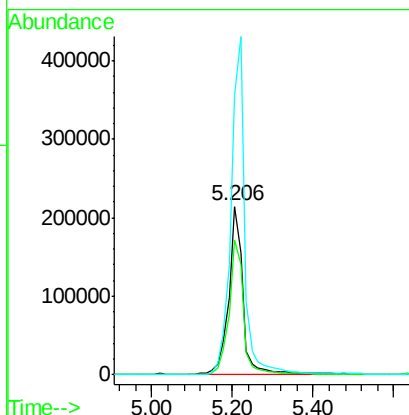
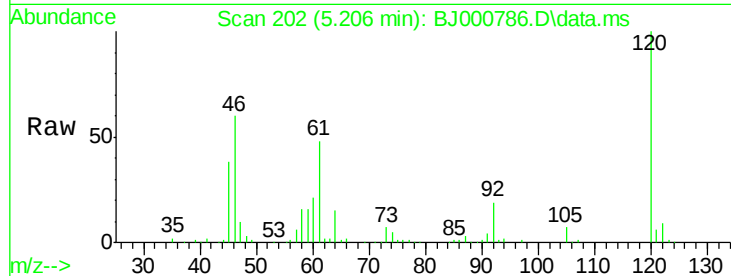
ClientSampleId :

CWA-CCV

Tgt Ion	Ratio	Lower	Upper
46	100		
61	80.3	62.3	102.3
120	166.0	149.0	189.0

Manual Integrations
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#8

Thiodiglycol

Concen: 47.20 ug/mL m

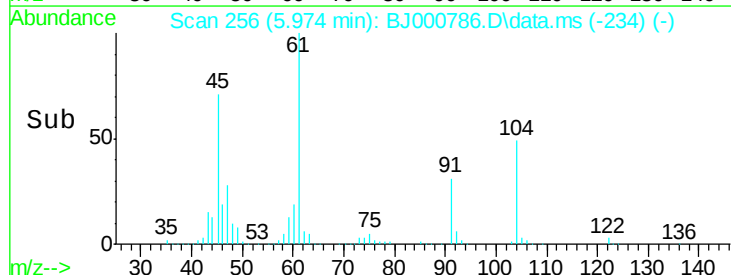
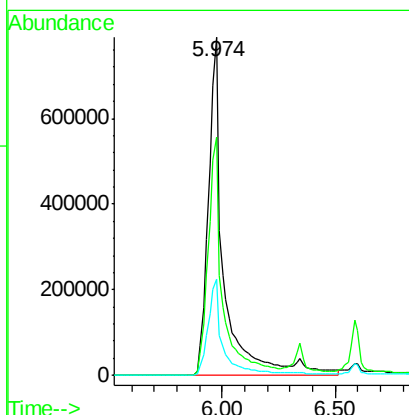
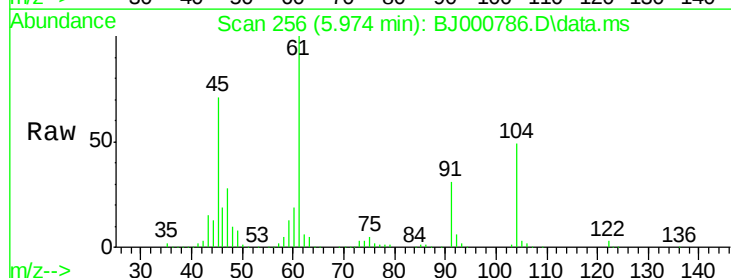
RT: 5.974 min Scan# 256

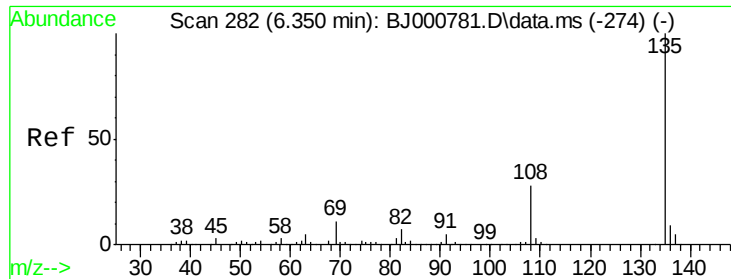
Delta R.T. 0.008 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Tgt Ion	Ratio	Lower	Upper
61	100		
45	70.6	49.4	89.4
47	28.3	7.9	47.9





#9

Benzothiazole

Concen: 13.47 ug/mL

RT: 6.344 min Scan# 28

Delta R.T. -0.006 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Instrument :

BNA_J

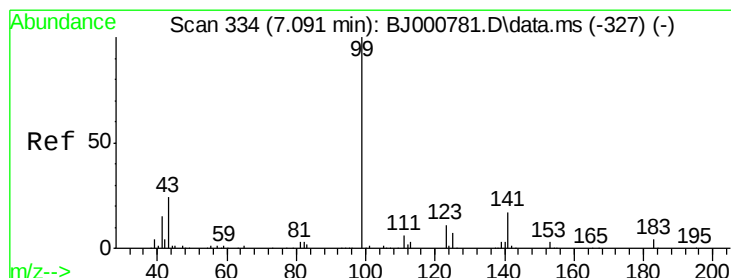
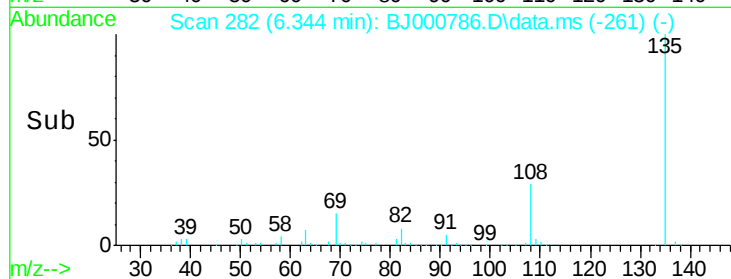
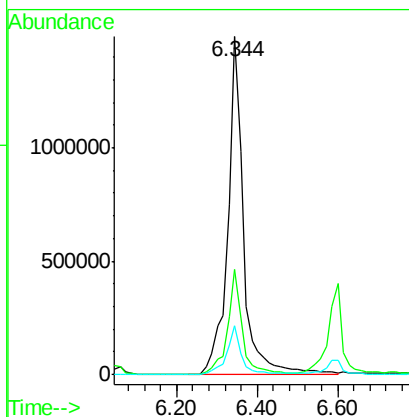
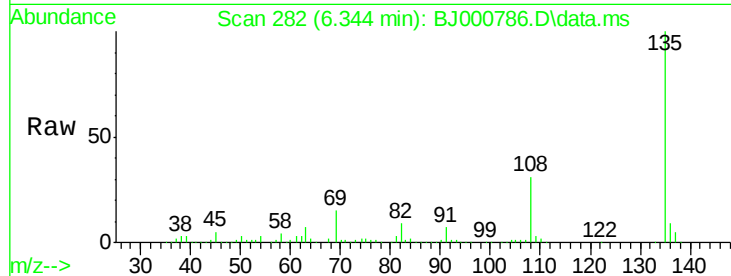
ClientSampleId :

CWA-CCV

Tgt Ion:	135	Resp:	4052371
Ion Ratio	Lower	Upper	
135	100		
108	31.1	11.0	51.0
69	14.6	0.0	34.2

Manual Integrations
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5/3/2012 1:41:36 AM



#10

Tripropylphosphate

Concen: 2.78 ug/mL

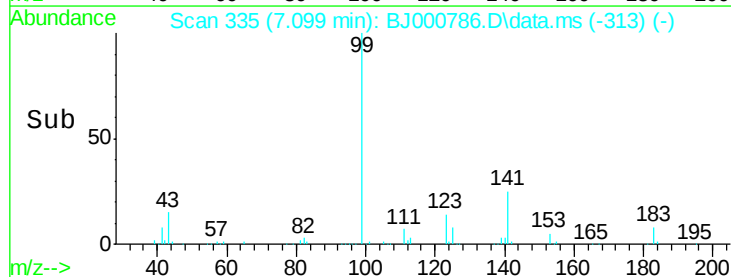
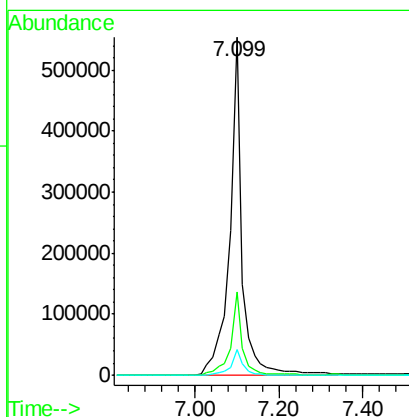
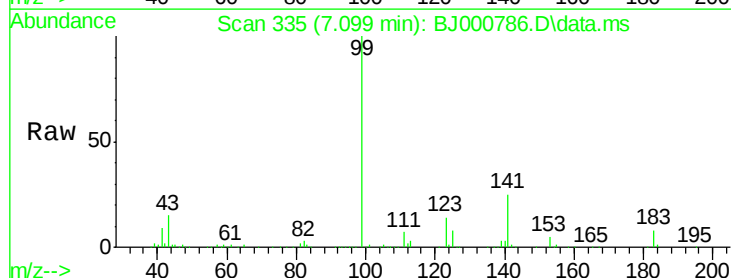
RT: 7.099 min Scan# 335

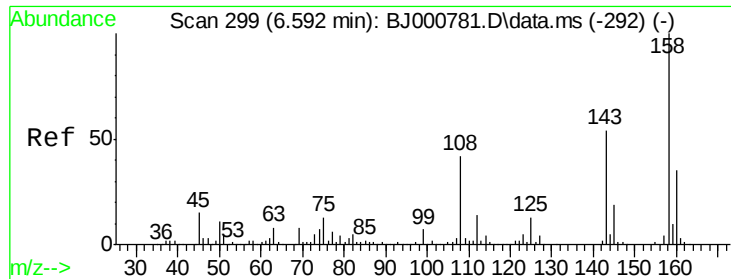
Delta R.T. 0.008 min

Lab File: BJ000786.D

Acq: 26 Apr 2012 16:11

Tgt Ion:	99	Resp:	1147149
Ion Ratio	Lower	Upper	
99	100		
141	23.4	17.8	26.6
183	7.6	5.4	8.0





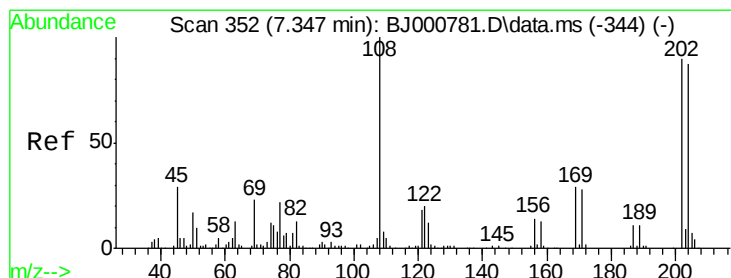
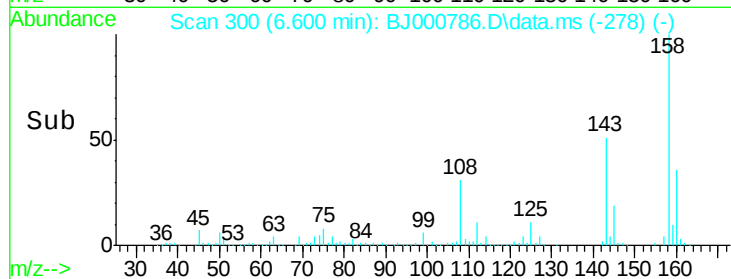
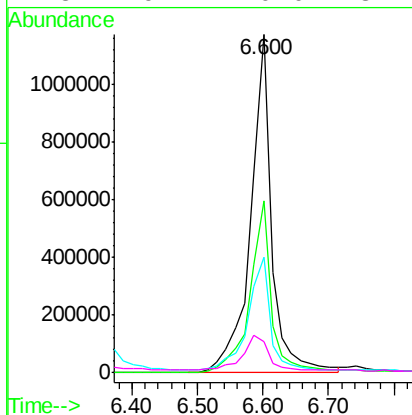
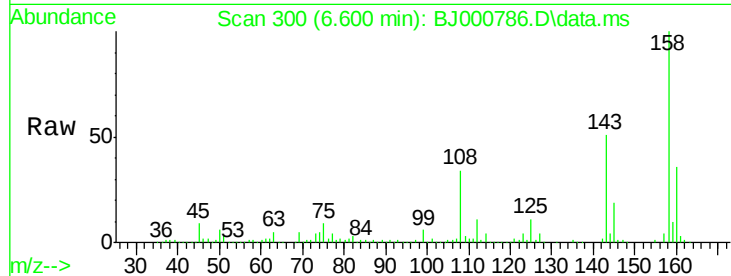
#11
p-Chlorophenylmethylsulfide
Concen: 12.50 ug/mL
RT: 6.600 min Scan# 30
Delta R.T. 0.008 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Instrument :
BNA_J
ClientSampled :
CWA-CCV

Tgt Ion	Ratio	Lower	Upper
158	100		
143	50.8	31.4	71.4
108	34.1	15.5	55.5
45	9.1	0.0	32.2

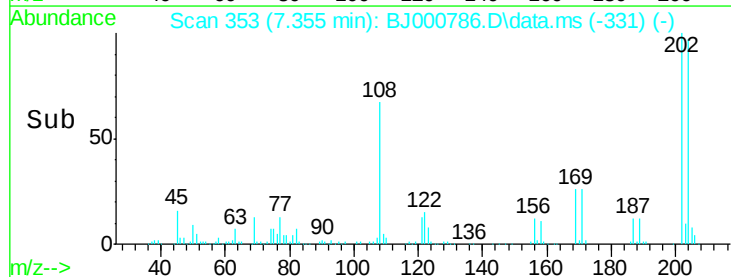
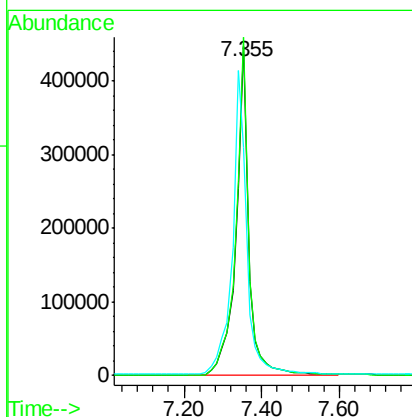
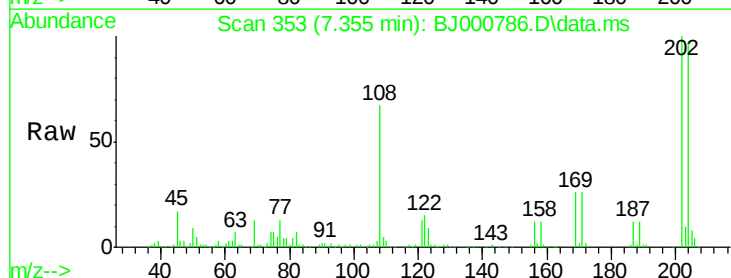
Manual Integrations
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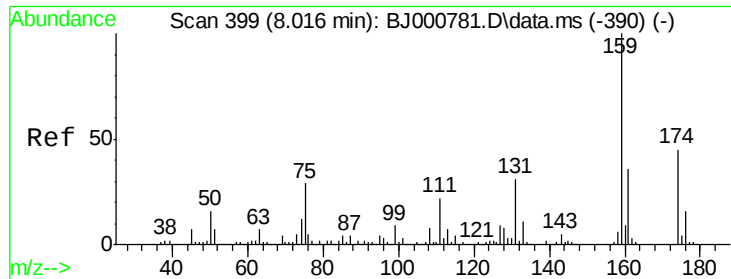
AHPatel
5/3/2012 1:41:36 AM



#12
2-Bromothioanisole
Concen: 12.98 ug/mL
RT: 7.355 min Scan# 353
Delta R.T. 0.008 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Tgt Ion	Ratio	Lower	Upper
204	100		
202	102.8	82.9	122.9
108	69.2	57.9	97.9





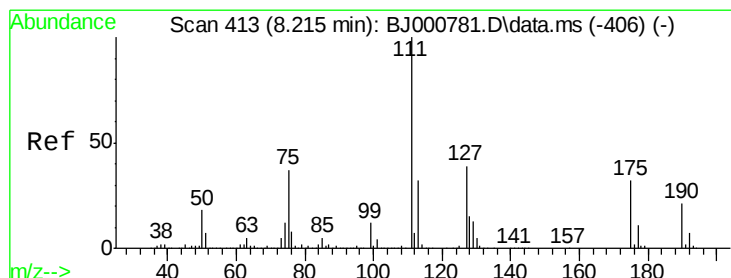
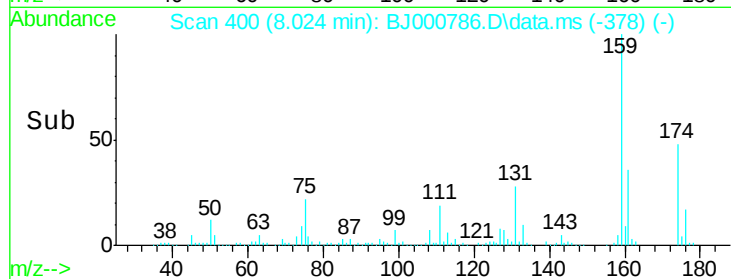
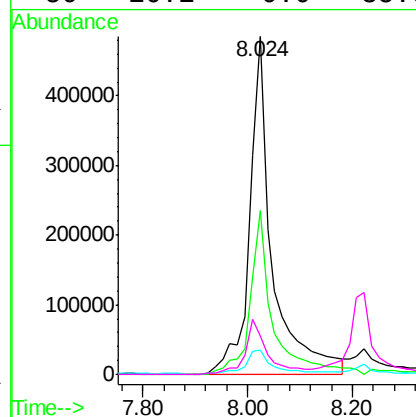
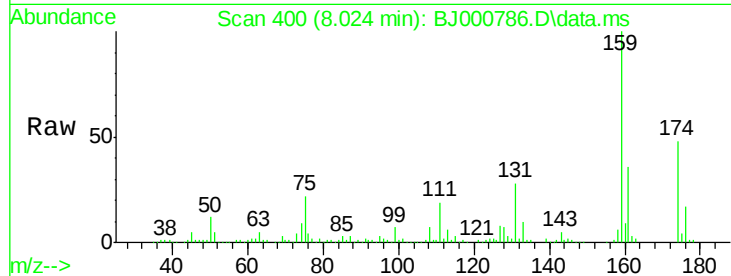
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.51 ug/mL
RT: 8.024 min Scan# 40
Delta R.T. 0.008 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Instrument :
BNA_J
ClientSampleId :
CWA-CCV

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	1452765		
174	48.6	31.3	71.3	
108	8.2	0.0	31.3	
50	16.1	0.0	35.6	

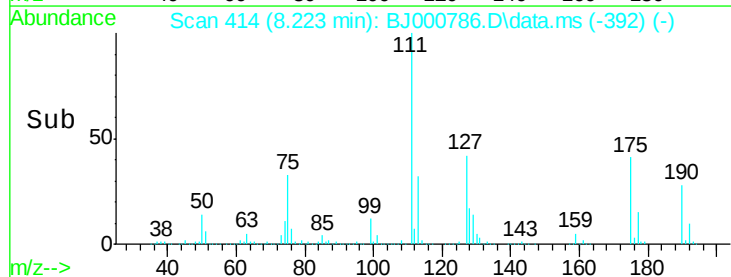
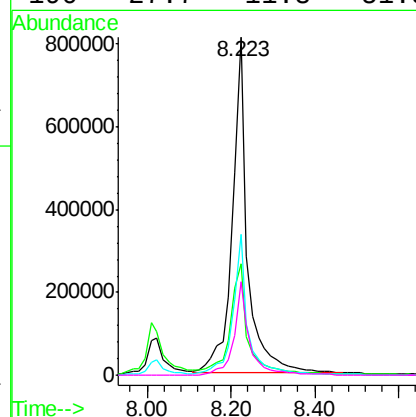
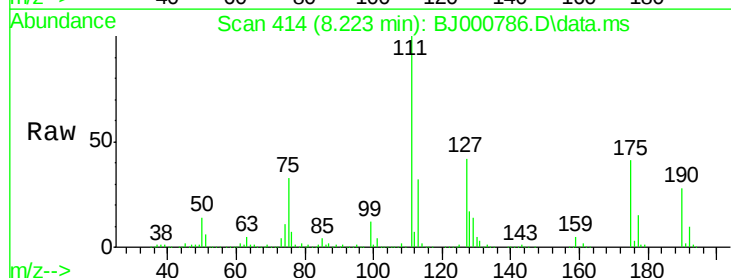
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 11.90 ug/mL
RT: 8.223 min Scan# 414
Delta R.T. 0.008 min
Lab File: BJ000786.D
Acq: 26 Apr 2012 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	2038596		
75	32.8	14.1	54.1	
127	41.9	21.7	61.7	
190	27.7	11.8	51.8	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000786.D
 Acq On : 26 Apr 2012 16:11
 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 1:41:36 AM

Quant Time: May 02 05:41:22 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Thu Apr 26 16:13:22 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.764	152	296881	2.00	ug/mL	0.00
6) Naphthalene-d8	6.060	136	1209190	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.099	99	1147149	2.78	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	556.00%#	
12) 2-Bromothioanisole	7.355	204	1029738	12.98	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	259.60%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.672	94	723405	6.62	ug/mL#	77
3) DMMP	3.612	79	233352	2.45	ug/mL	96
4) DIMP	5.021	97	666125	2.55	ug/mL	98
5) 1,4-Oxathiane	3.740	46	604387	5.74	ug/mL#	38
7) 1,4-Dithiane	5.206	46	525854	6.58	ug/mL	98
8) Thiodiglycol	5.974	61	3815000m	47.20	ug/mL	
9) Benzothiazole	6.344	135	4052371	13.47	ug/mL	100
11) p-Chlorophenylmethyisu...	6.600	158	2602372	12.50	ug/mL	98
13) p-Chlorophenylmethyisu...	8.024	159	1452765	12.51	ug/mL	96
14) p-Chlorophenylmethyisu...	8.223	111	2038596	11.90	ug/mL	97

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