

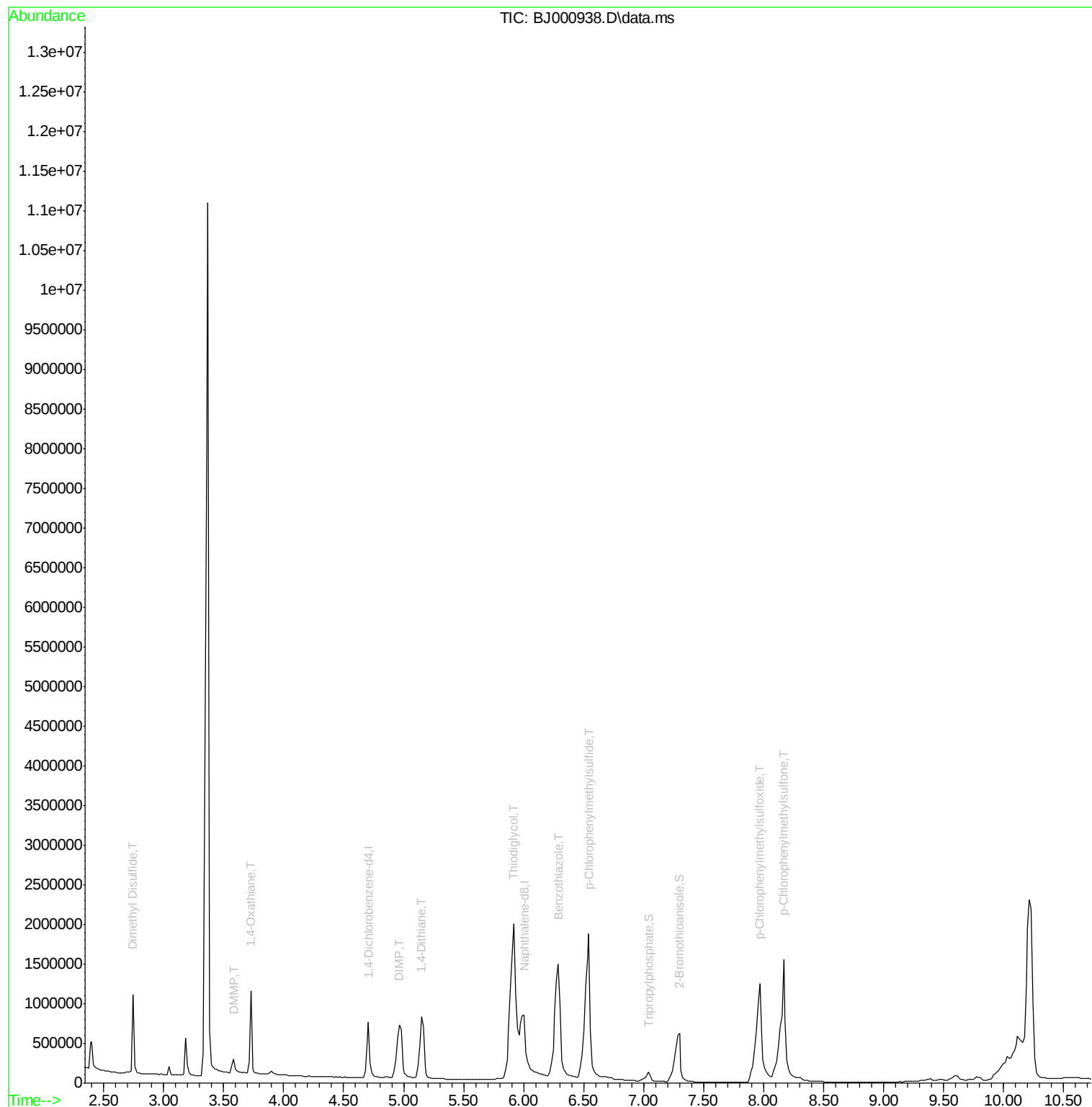
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000938.D
Acq On : 8 Jun 2012 16:49
Operator : HLM
Sample : PB63535BS
Misc : SOIL BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

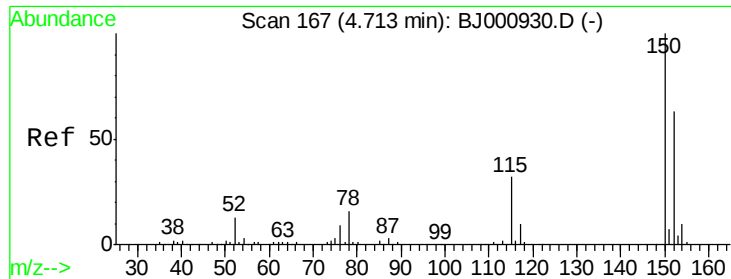
Instrument :
BNA_J
ClientSampleId :
PB63535BS

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:15 AM

Quant Time: Jun 13 07:46:32 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jun 08 15:52:40 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.708 min Scan# 16

Delta R.T. -0.005 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Instrument :

BNA_J

ClientSampleId :

PB63535BS

Tgt Ion:152 Resp: 246958

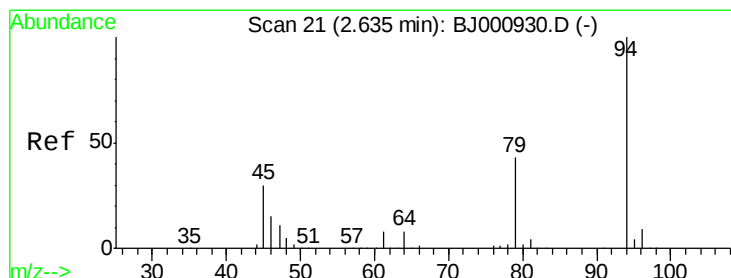
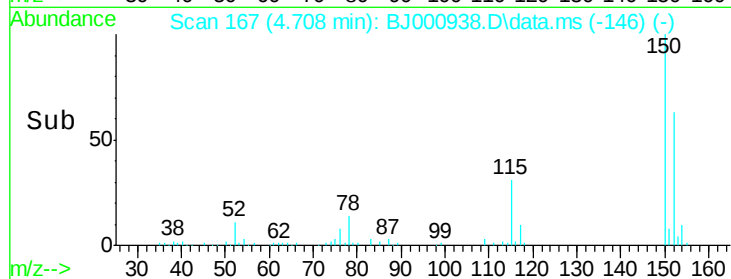
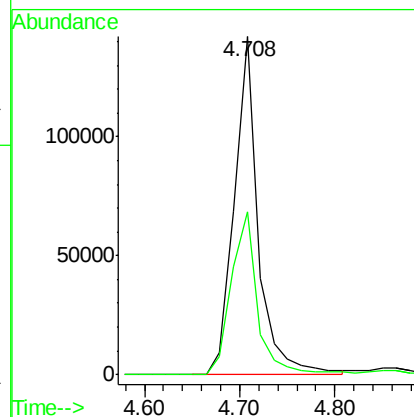
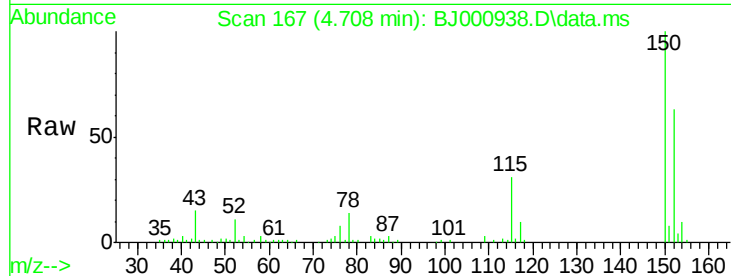
Ion Ratio Lower Upper

152 100

115 48.1 30.6 70.6

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:15 AM



#2

Dimethyl Disulfide

Concen: 3.61 ug/mL

RT: 2.744 min Scan# 29

Delta R.T. 0.108 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

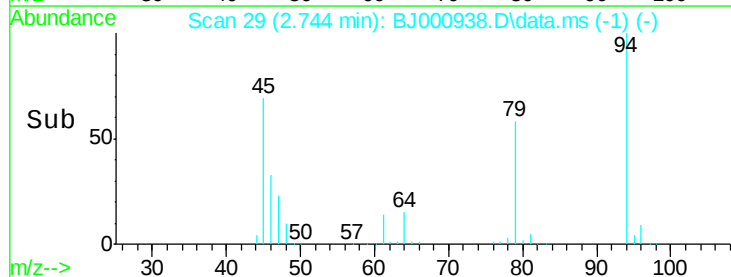
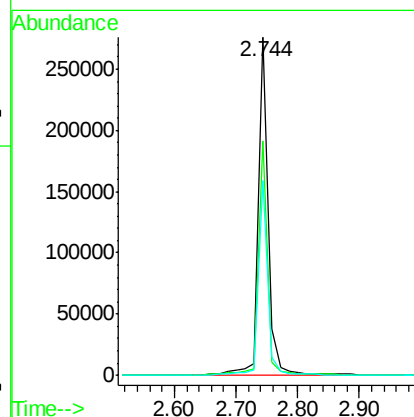
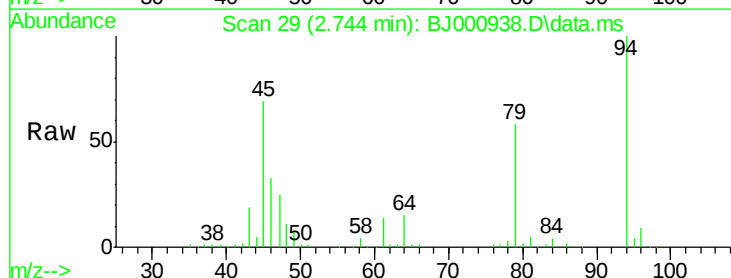
Tgt Ion: 94 Resp: 302942

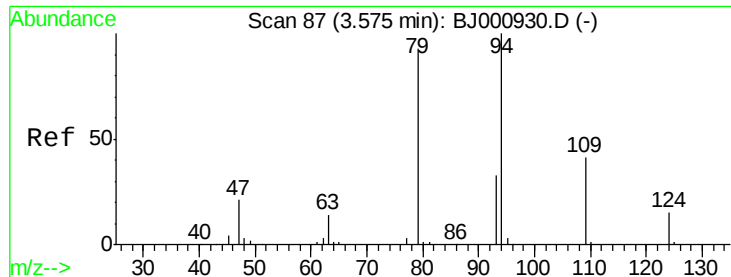
Ion Ratio Lower Upper

94 100

45 69.2 11.1 51.1#

79 57.6 22.9 62.9





#3

DMMP

Concen: 1.35 ug/mL

RT: 3.583 min Scan# 88

Delta R.T. 0.009 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Instrument :

BNA_J

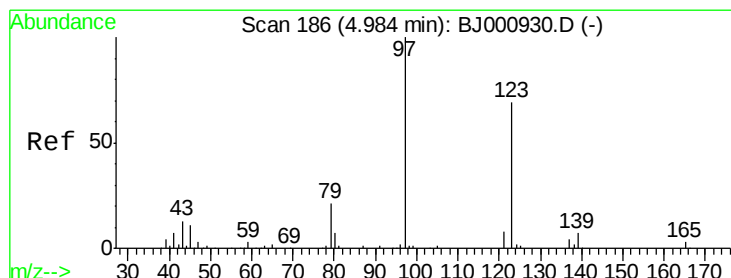
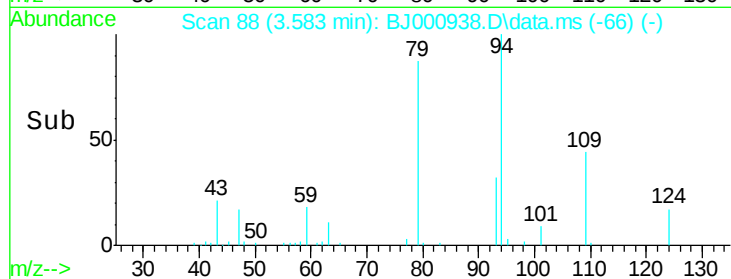
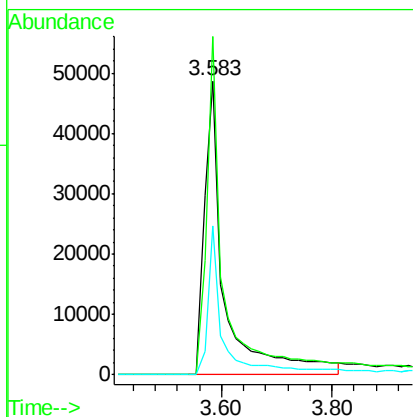
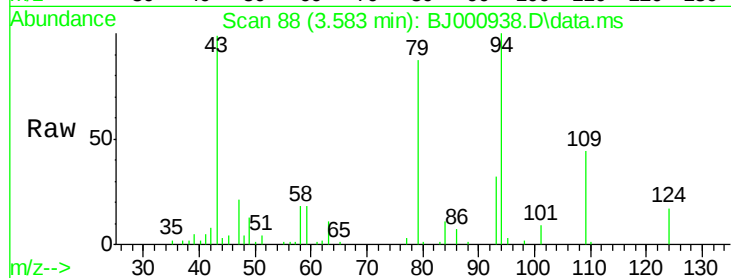
ClientSampleId :

PB63535BS

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	123323		
94	115.2	87.0	127.0	
109	50.5	24.1	64.1	

Manual Integrations
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AHPatel
6/14/2012 12:45:15 AM



#4

DIMP

Concen: 3.49 ug/mL

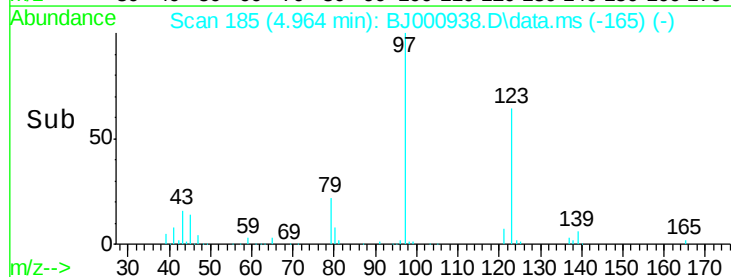
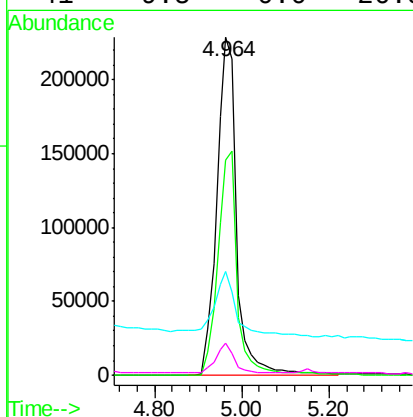
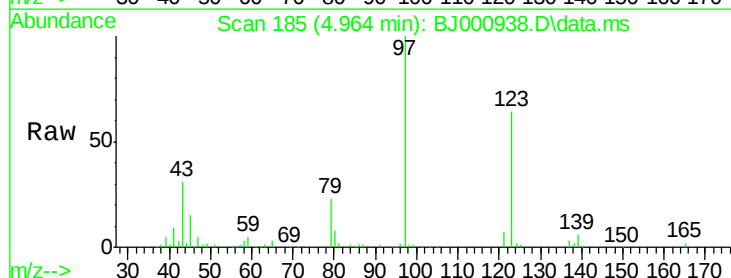
RT: 4.964 min Scan# 185

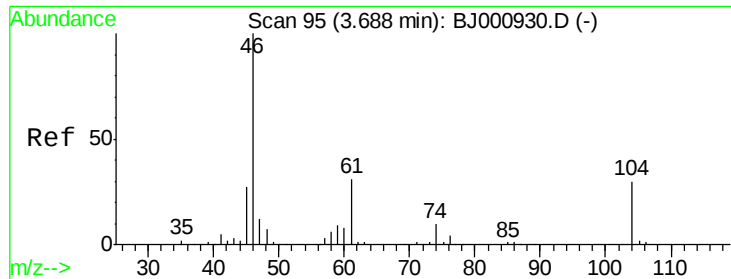
Delta R.T. -0.019 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	736211		
123	63.6	49.1	89.1	
43	30.5	0.0	33.2	
41	9.5	0.0	26.5	





#5

1,4-Oxathiane

Concen: 3.73 ug/mL

RT: 3.726 min Scan# 98

Delta R.T. 0.037 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Instrument :

BNA_J

ClientSampleId :

PB63535BS

Tgt Ion: 46 Resp: 307720

Ion Ratio Lower Upper

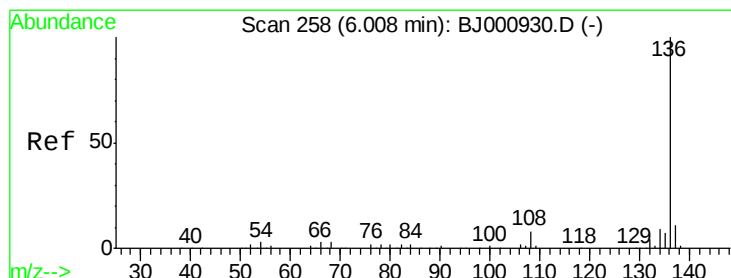
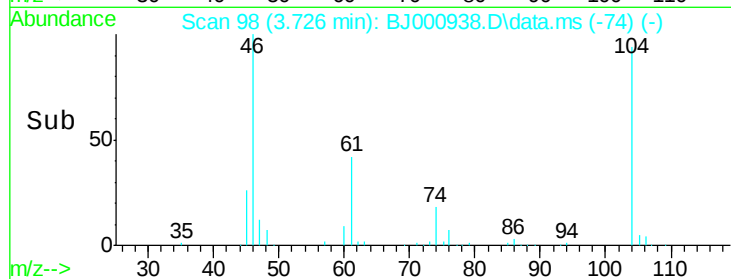
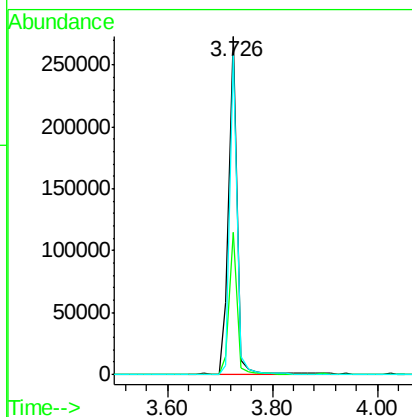
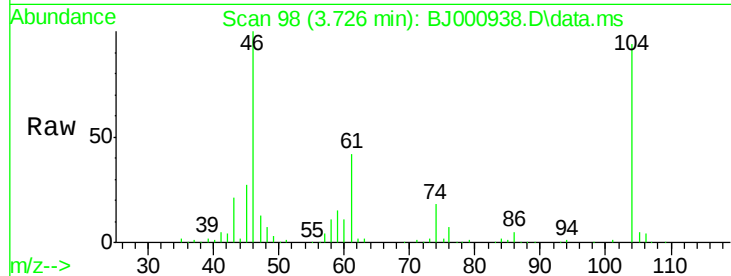
46 100

61 42.2 11.2 51.2

104 94.4 10.0 50.0#

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:15 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.003 min Scan# 258

Delta R.T. -0.005 min

Lab File: BJ000938.D

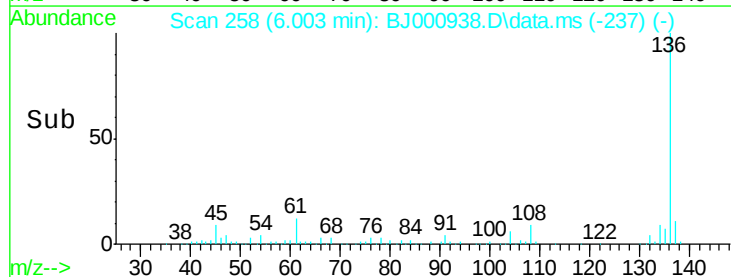
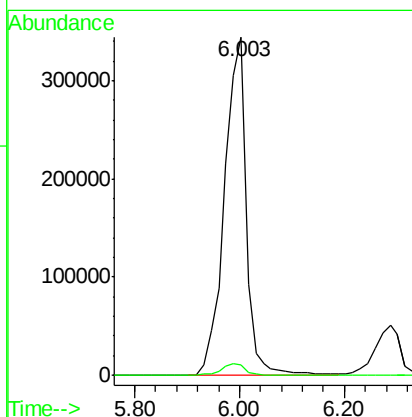
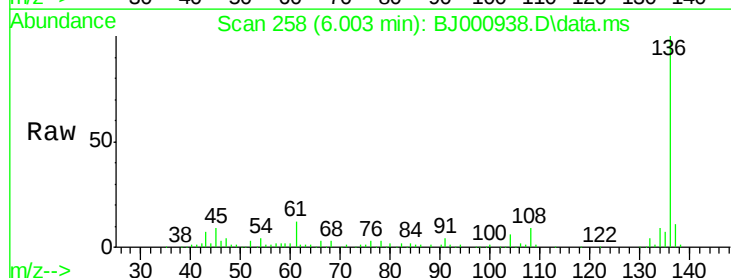
Acq: 8 Jun 2012 16:49

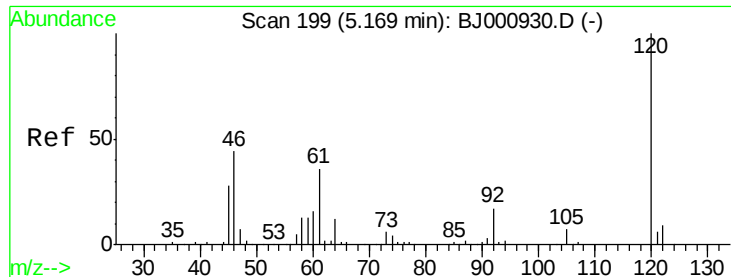
Tgt Ion: 136 Resp: 996459

Ion Ratio Lower Upper

136 100

68 3.1 0.0 22.7





#7

1,4-Dithiane

Concen: 3.68 ug/mL

RT: 5.149 min Scan# 19

Delta R.T. -0.020 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Instrument :

BNA_J

ClientSampleId :

PB63535BS

Tgt Ion: 46 Resp: 261295
Ion Ratio Lower Upper

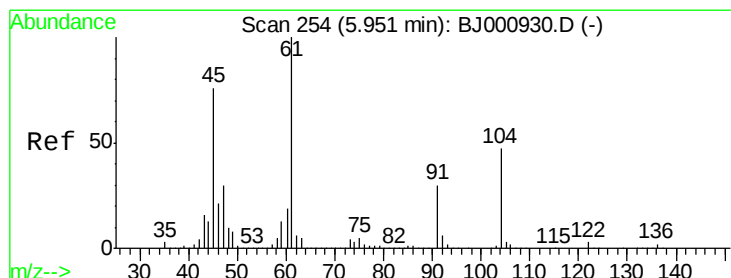
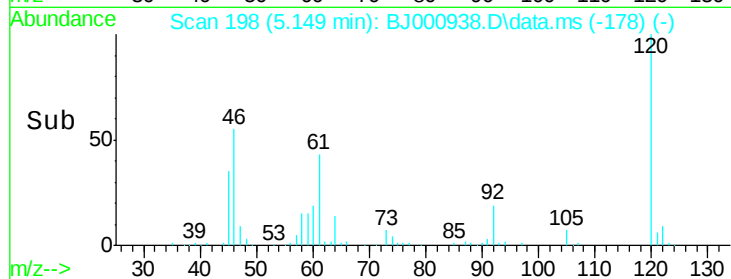
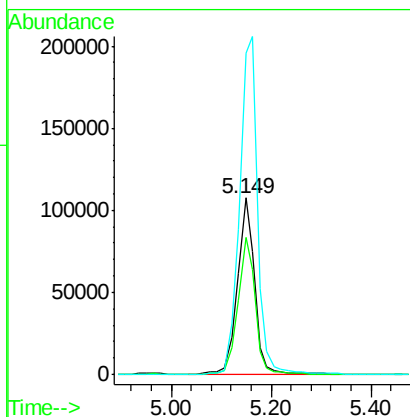
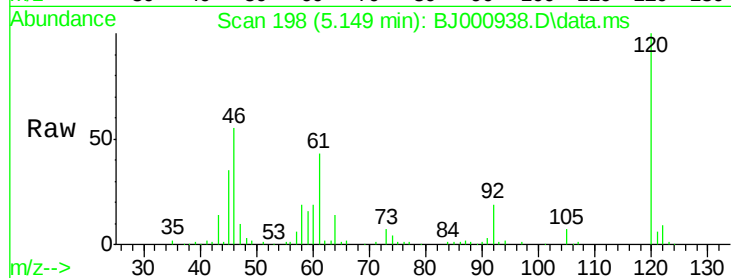
46 100

61 78.0 61.9 101.9

120 182.1 208.1 248.1#

Manual Integrations
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AHPatel
6/14/2012 12:45:15 AM



#8

Thiodiglycol

Concen: 32.04 ug/mL m

RT: 5.917 min Scan# 252

Delta R.T. -0.034 min

Lab File: BJ000938.D

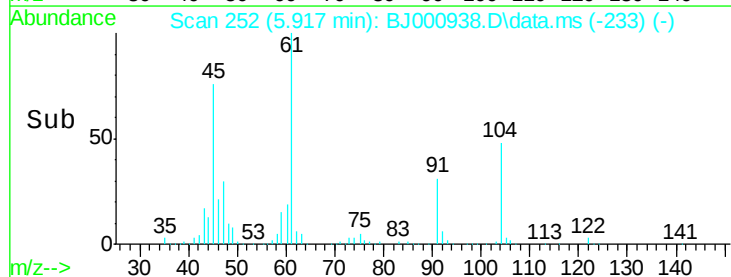
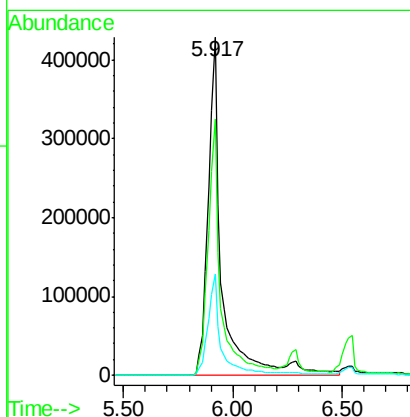
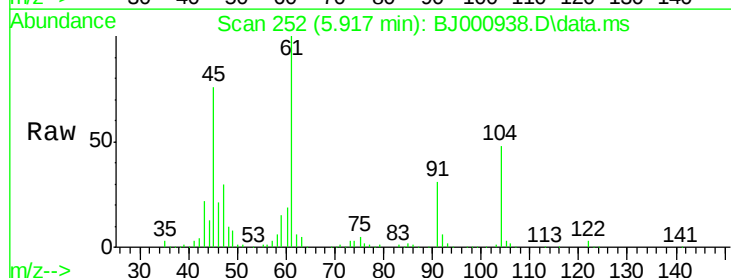
Acq: 8 Jun 2012 16:49

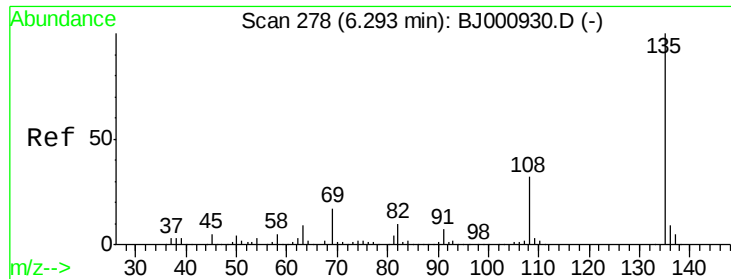
Tgt Ion: 61 Resp: 1893293
Ion Ratio Lower Upper

61 100

45 75.8 56.3 96.3

47 30.1 10.1 50.1





#9

Benzothiazole

Concen: 7.20 ug/mL

RT: 6.287 min Scan# 27

Delta R.T. -0.005 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Instrument :

BNA_J

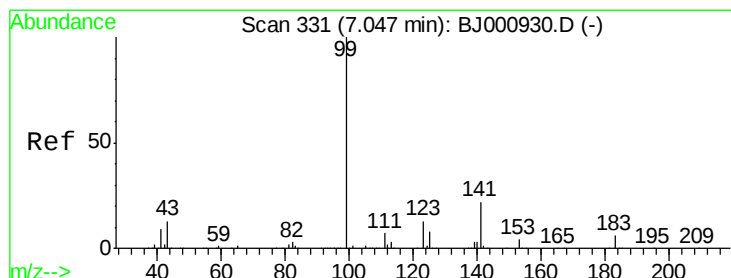
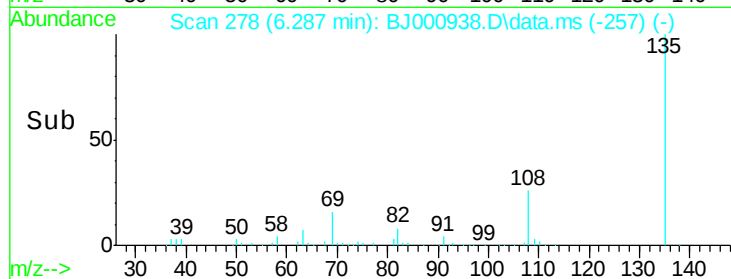
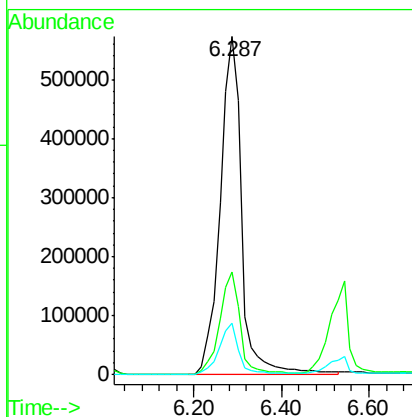
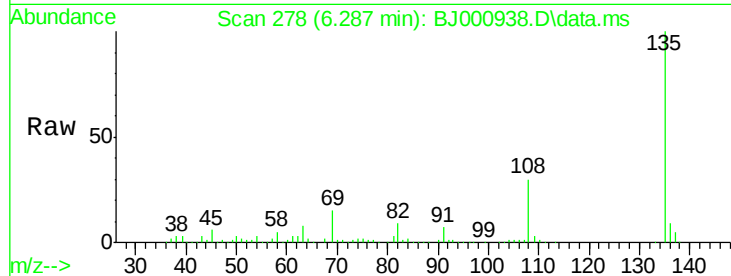
ClientSampleId :

PB63535BS

Tgt Ion:	135	Resp:	1970460
Ion Ratio	Lower	Upper	
135	100		
108	30.4	12.0	52.0
69	15.0	0.0	36.6

Manual Integrations
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AHPatel
6/14/2012 12:45:15 AM



#10

Tripropylphosphate

Concen: 0.39 ug/mL

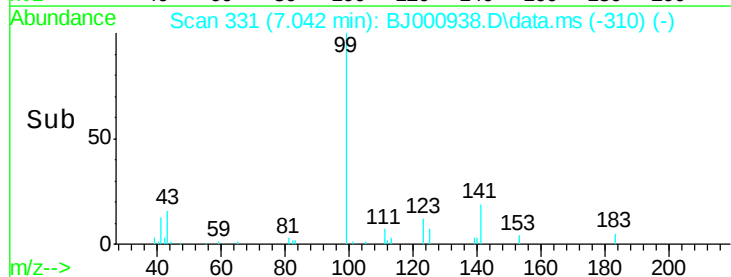
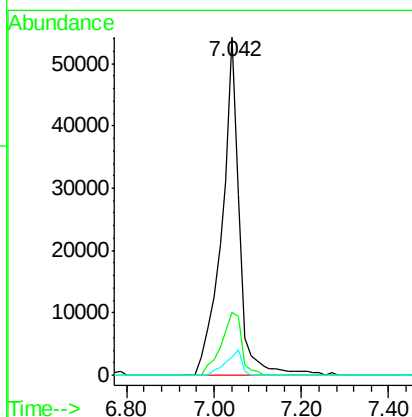
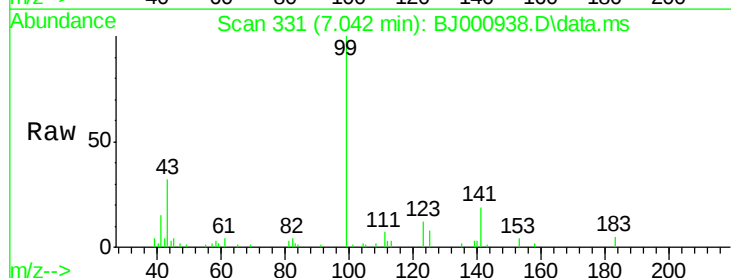
RT: 7.042 min Scan# 331

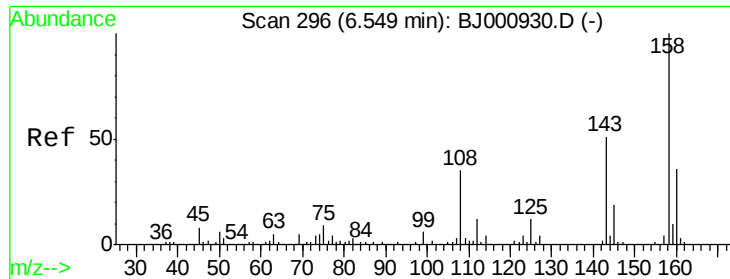
Delta R.T. -0.005 min

Lab File: BJ000938.D

Acq: 8 Jun 2012 16:49

Tgt Ion:	99	Resp:	151981
Ion Ratio	Lower	Upper	
99	100		
141	21.4	18.5	27.7
183	6.7	5.8	8.8





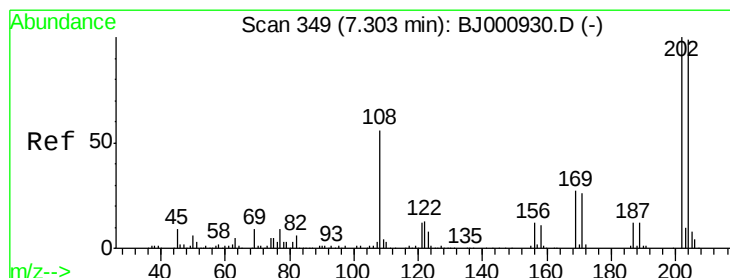
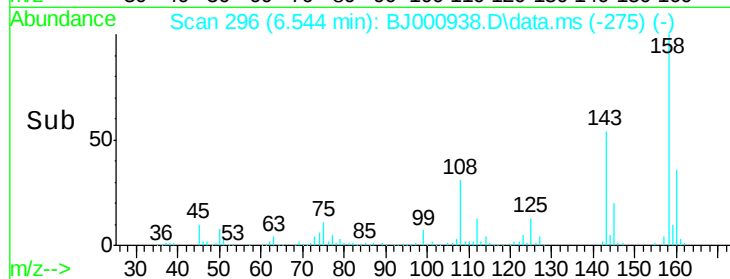
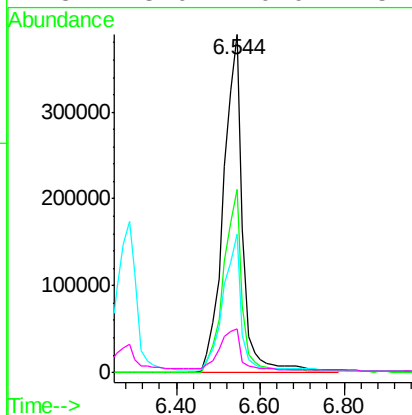
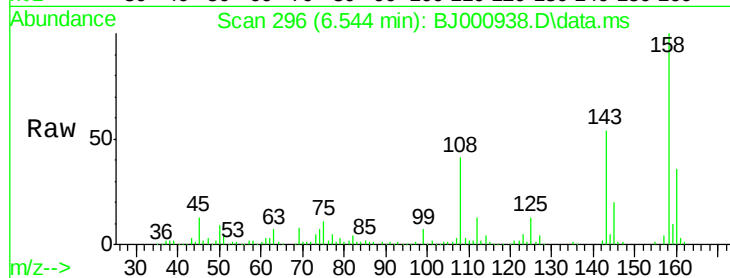
#11
p-Chlorophenylmethylsulfide
Concen: 7.27 ug/mL
RT: 6.544 min Scan# 29
Delta R.T. -0.005 min
Lab File: BJ000938.D
Acq: 8 Jun 2012 16:49

Instrument :
BNA_J
ClientSampleId :
PB63535BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1249028		
143	54.3		31.3	71.3
108	41.0		14.9	54.9
45	13.0		0.0	28.5

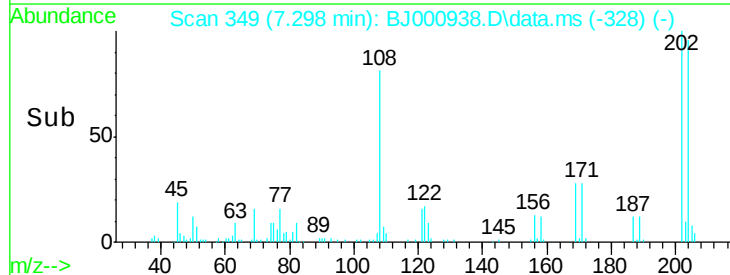
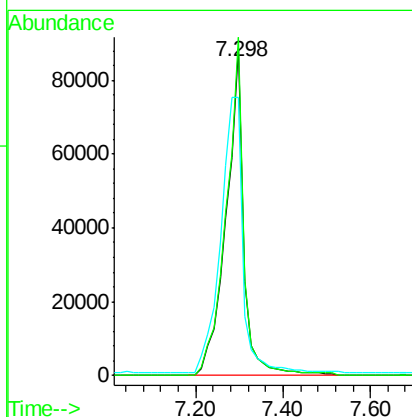
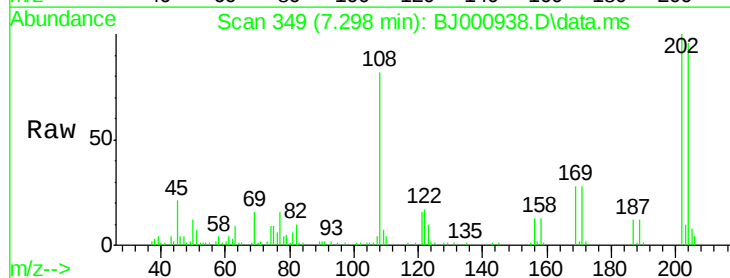
Manual Integrations
APPROVED

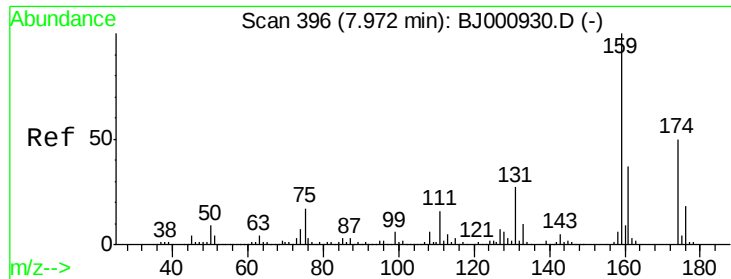
AHPatel
6/14/2012 12:45:15 AM



#12
2-Bromothioanisole
Concen: 3.65 ug/mL
RT: 7.298 min Scan# 349
Delta R.T. -0.005 min
Lab File: BJ000938.D
Acq: 8 Jun 2012 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	248191		
202	103.7		81.4	121.4
108	85.3		37.1	77.1#





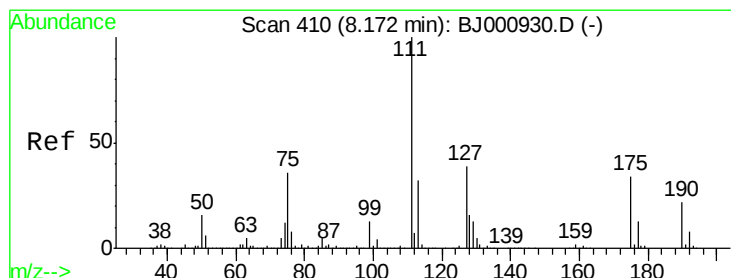
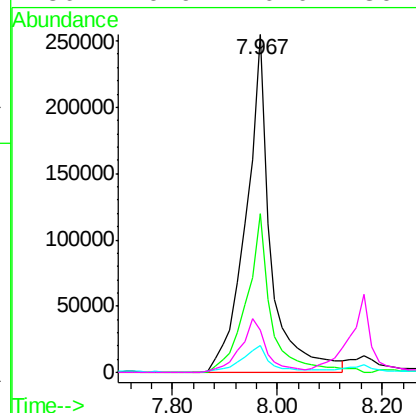
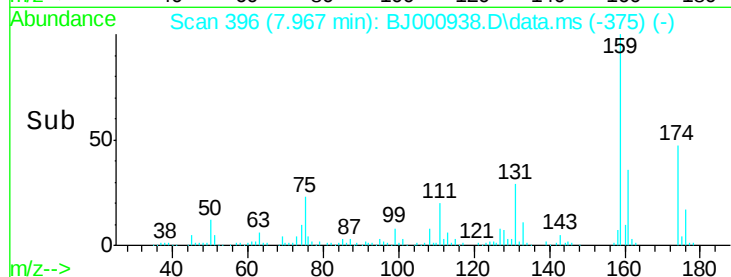
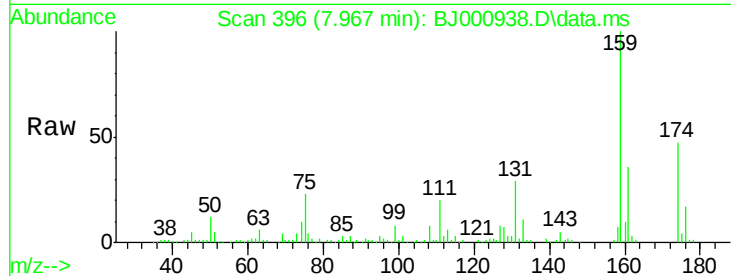
#13
p-Chlorophenylmethylsulfoxide
Concen: 8.27 ug/mL
RT: 7.967 min Scan# 396
Delta R.T. -0.005 min
Lab File: BJ000938.D
Acq: 8 Jun 2012 16:49

Instrument :
BNA_J
ClientSampleId :
PB63535BS

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	824296		
174	47.0	27.0	67.0	
108	8.7	0.0	28.3	
50	16.9	0.0	36.8	

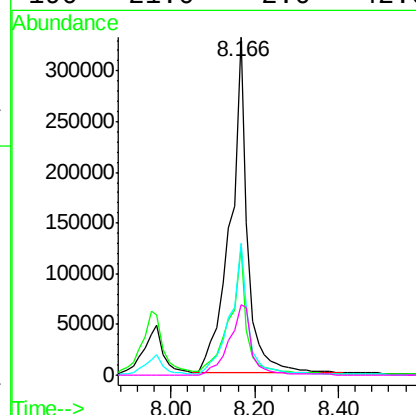
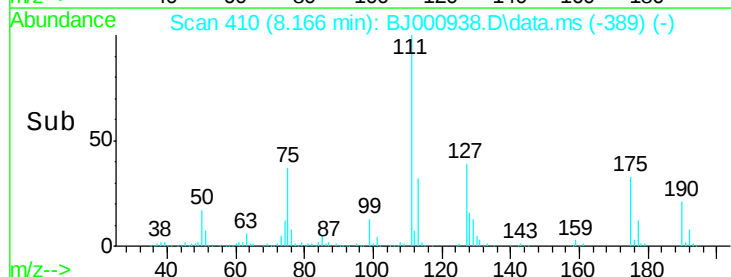
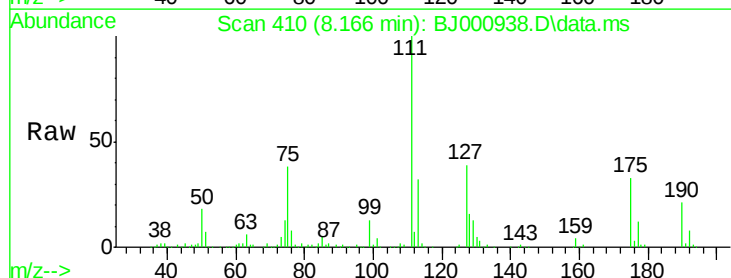
Manual Integrations
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AHPatel
6/14/2012 12:45:15 AM



#14
p-Chlorophenylmethylsulfone
Concen: 6.48 ug/mL
RT: 8.166 min Scan# 410
Delta R.T. -0.005 min
Lab File: BJ000938.D
Acq: 8 Jun 2012 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	939238		
75	37.8	16.5	56.5	
127	39.2	19.3	59.3	
190	21.0	2.0	42.0	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000938.D
 Acq On : 8 Jun 2012 16:49
 Operator : HLM
 Sample : PB63535BS
 Misc : SOIL BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB63535BS

Manual Integrations
 APPROVED

AHPatel
 6/14/2012 12:45:15 AM

Quant Time: Jun 13 07:46:32 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jun 08 15:52:40 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.708	152	246958	2.00	ug/mL	0.00
6) Naphthalene-d8	6.003	136	996459	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.042	99	151981	0.39	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	78.00%	
12) 2-Bromothioanisole	7.298	204	248191	3.65	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	73.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.744	94	302942	3.61	ug/mL#	58
3) DMMP	3.583	79	123323	1.35	ug/mL	92
4) DIMP	4.964	97	736211	3.49	ug/mL	88
5) 1,4-Oxathiane	3.726	46	307720	3.73	ug/mL#	32
7) 1,4-Dithiane	5.149	46	261295	3.68	ug/mL#	78
8) Thiodiglycol	5.917	61	1893293m	32.04	ug/mL	
9) Benzothiazole	6.287	135	1970460	7.20	ug/mL	97
11) p-Chlorophenylmethyisu...	6.544	158	1249028	7.27	ug/mL	93
13) p-Chlorophenylmethyisu...	7.967	159	824296	8.27	ug/mL	100
14) p-Chlorophenylmethyisu...	8.166	111	939238	6.48	ug/mL	99

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