

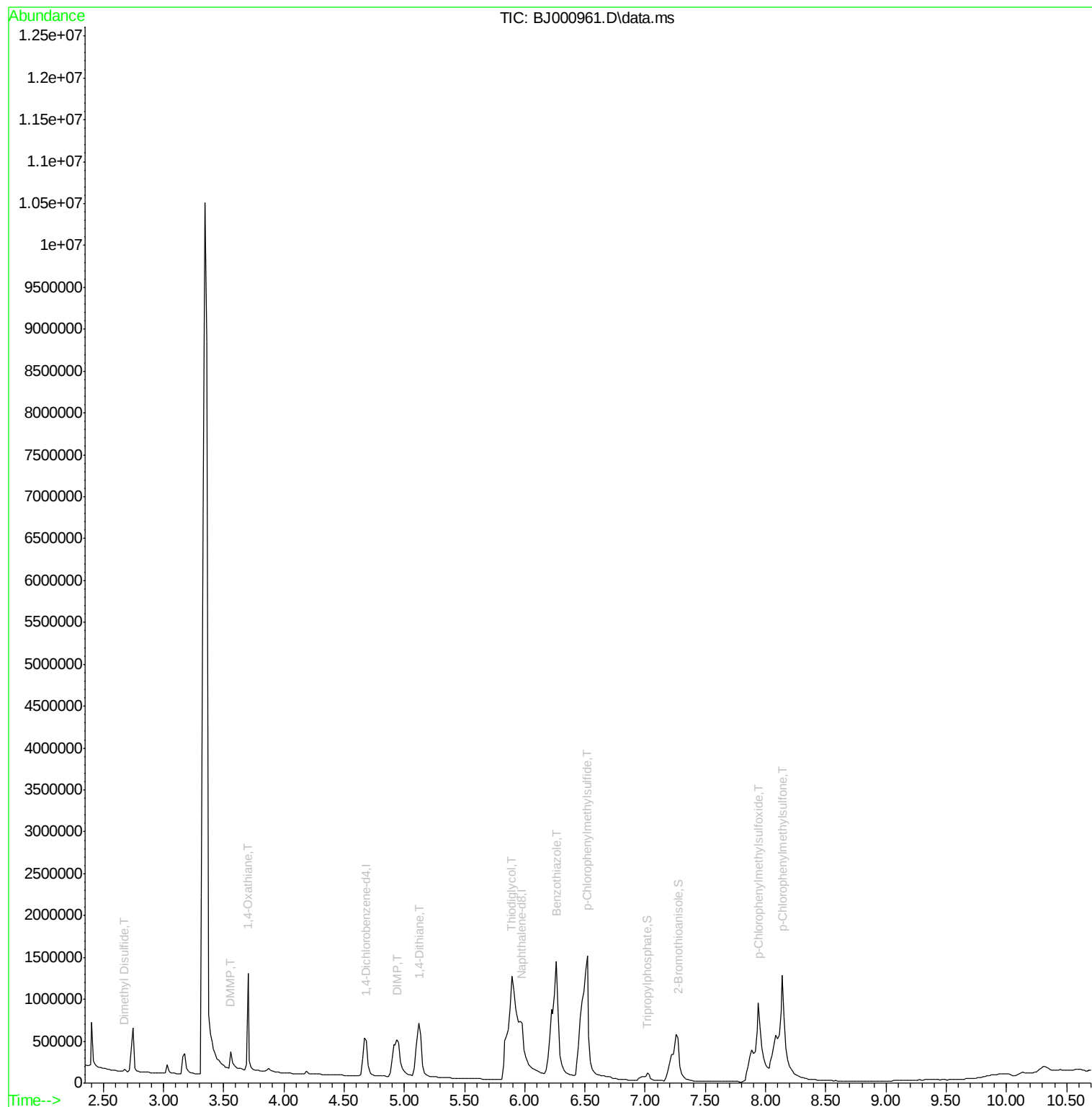
Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
Data File : BJ000961.D
Acq On : 27 Jun 2012 14:50
Operator : HLM
Sample : PB63956BSD
Misc : WATER BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

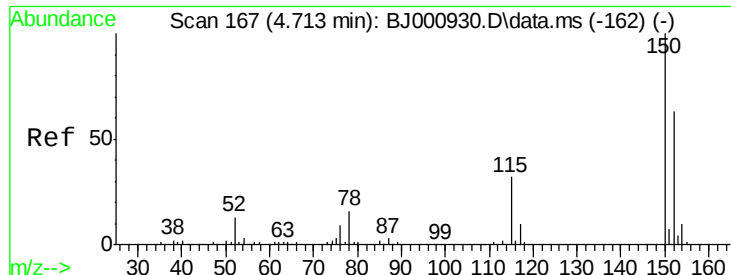
Instrument :
BNA_J
ClientSampleId :
PB63956BSD

Manual Integrations
APPROVED

AHPatel
7/10/2012 1:25:53 AM

Quant Time: Jul 02 07:21:42 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Thu Jun 28 10:45:59 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.682 min Scan# 16

Delta R.T. -0.002 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Instrument :

BNA_J

ClientSampleId :

PB63956BSD

Tgt Ion:152 Resp: 206436

Ion Ratio Lower Upper

152 100

115 49.0

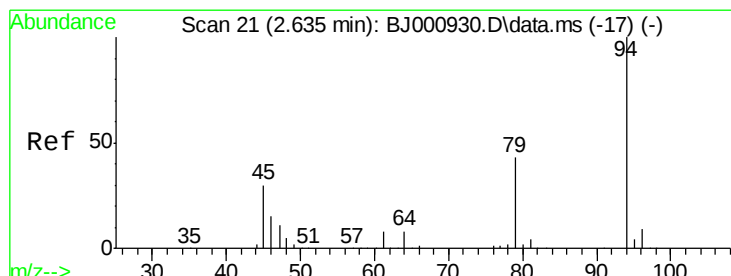
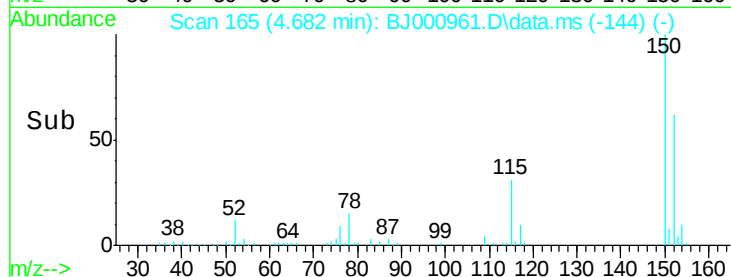
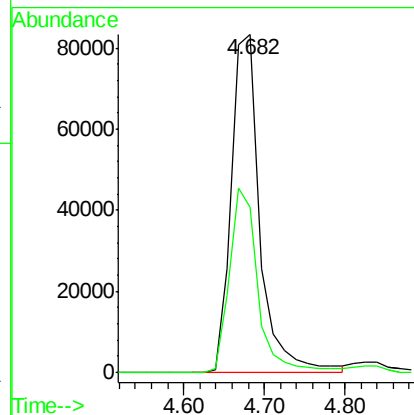
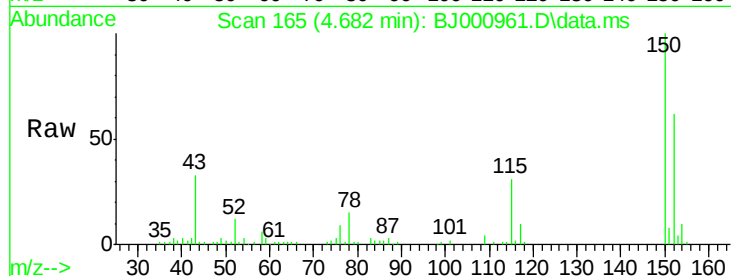
29.6

69.6

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#2

Dimethyl Disulfide

Concen: 0.16 ug/mL

RT: 2.676 min Scan# 24

Delta R.T. 0.112 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion: 94 Resp: 11471

Ion Ratio Lower Upper

94 100

45 54.6

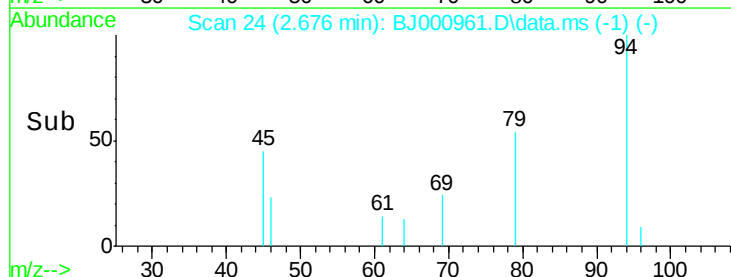
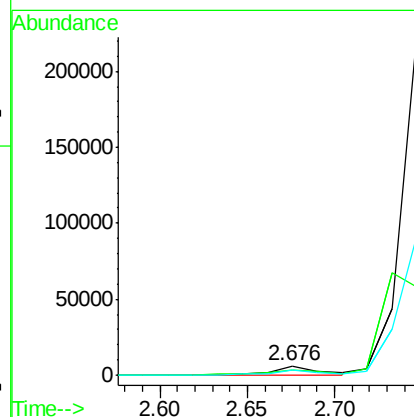
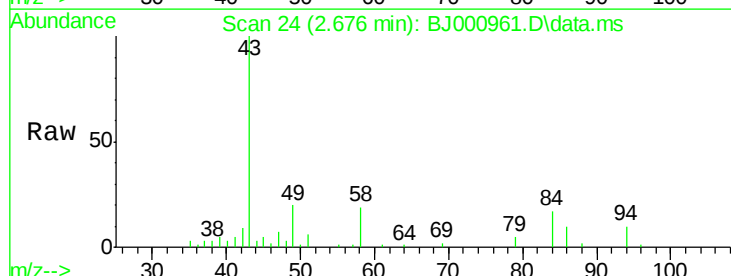
55.3

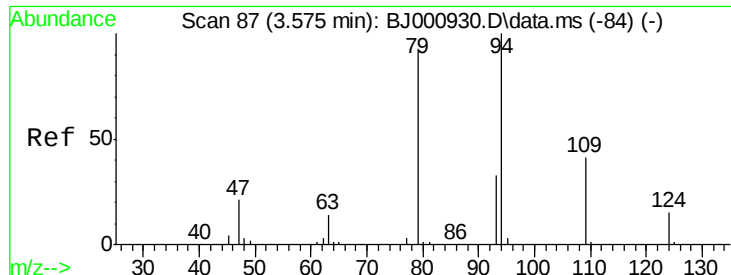
95.3#

79 54.2

37.3

77.3





#3

DMMP

Concen: 2.21 ug/mL m

RT: 3.558 min Scan# 86

Delta R.T. 0.013 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Instrument :

BNA_J

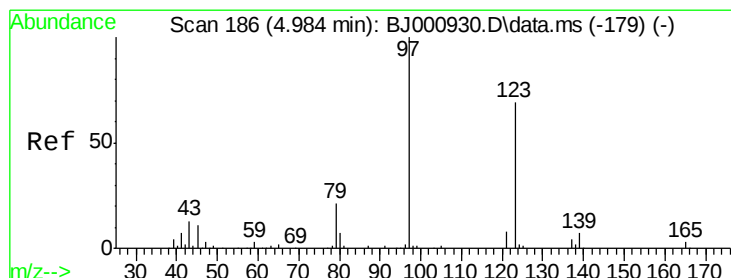
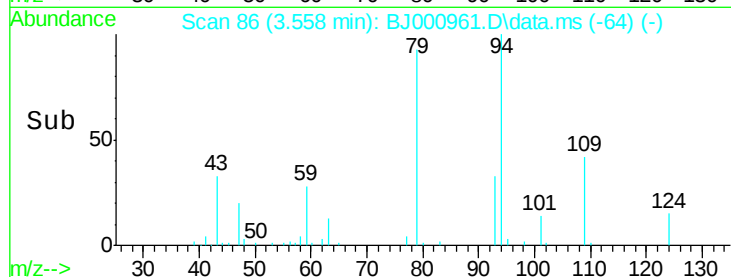
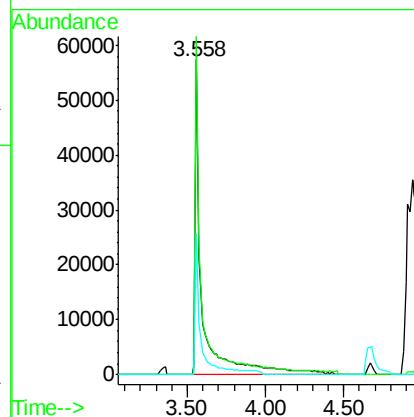
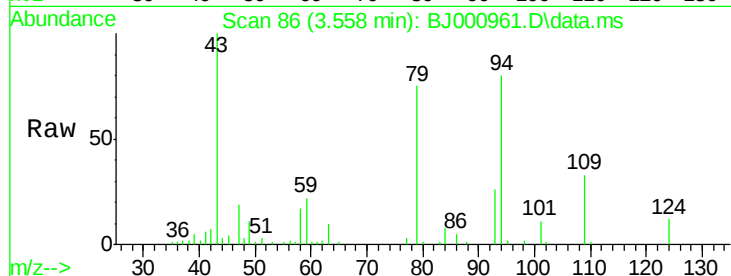
ClientSampleId :

PB63956BSD

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	170006		
94	107.3	84.5	124.5	
109	44.8	23.4	63.4	

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#4

DIMP

Concen: 4.05 ug/mL

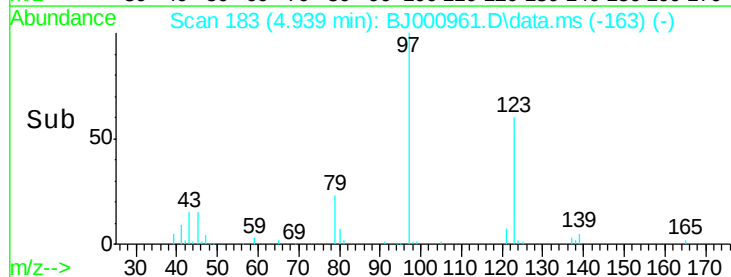
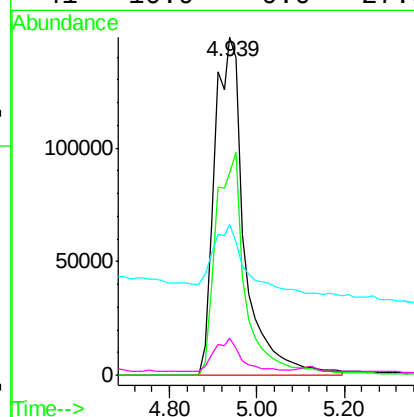
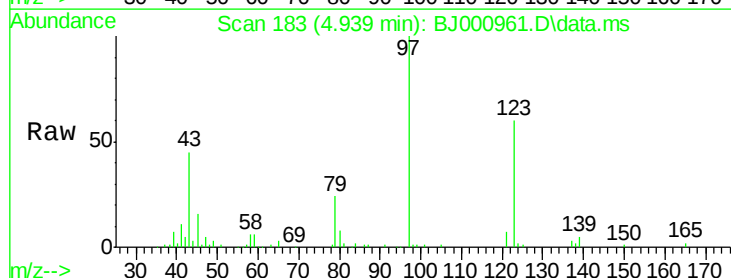
RT: 4.939 min Scan# 183

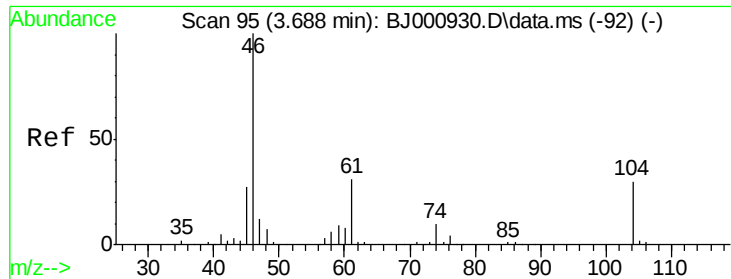
Delta R.T. -0.016 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	714907		
123	59.8	45.3	85.3	
43	44.8	0.0	35.5#	
41	10.9	0.0	27.9	





#5

1,4-Oxathiane

Concen: 5.23 ug/mL

RT: 3.700 min Scan# 96

Delta R.T. 0.041 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Instrument :

BNA_J

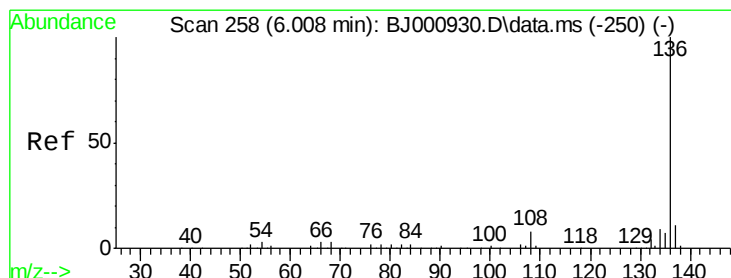
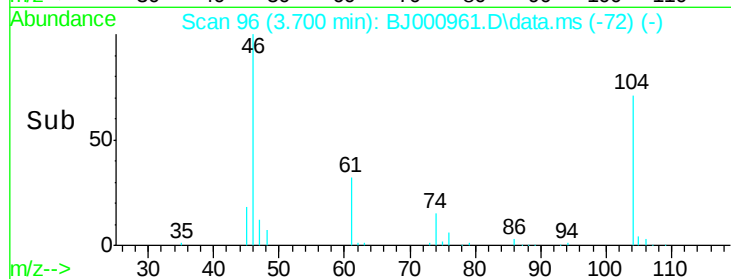
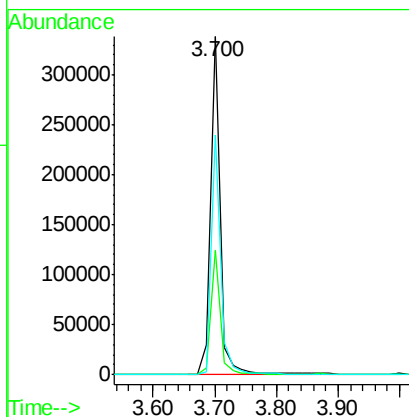
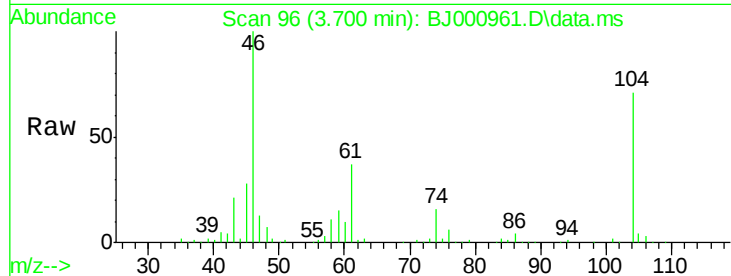
ClientSampleId :

PB63956BSD

Tgt Ion:	46	Resp:	360562
Ion Ratio	Lower	Upper	
46	100		
61	36.9	15.3	55.3
104	71.0	38.4	78.4

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

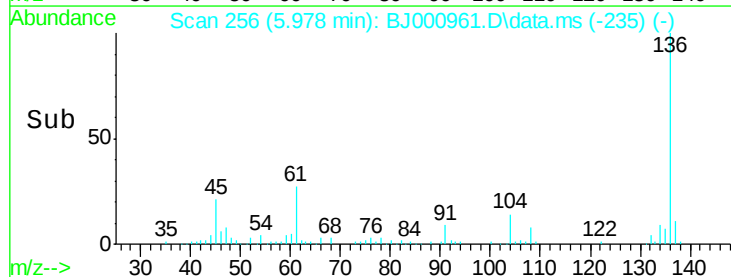
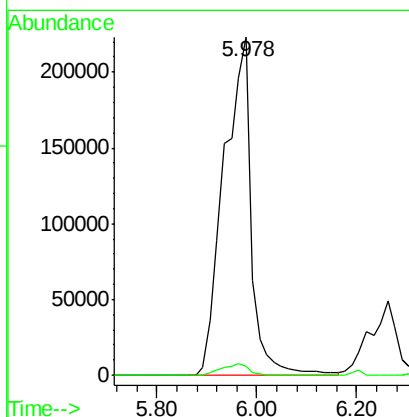
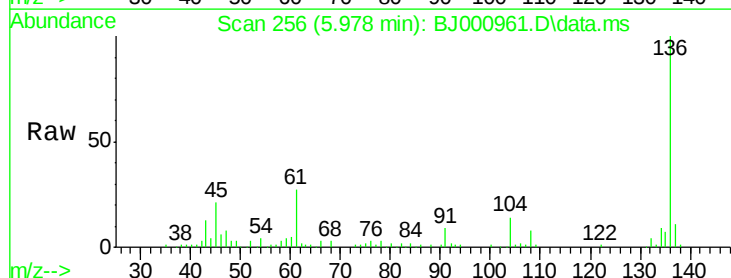
RT: 5.978 min Scan# 256

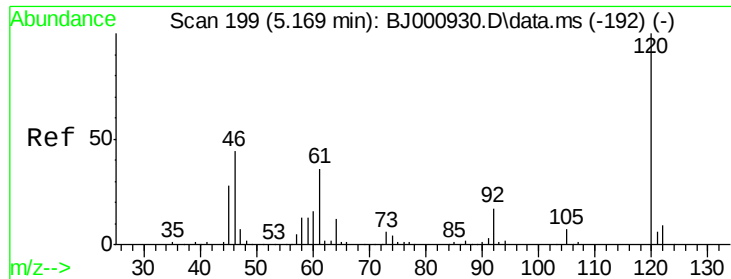
Delta R.T. -0.002 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion:	136	Resp:	849867
Ion Ratio	Lower	Upper	
136	100		
68	2.6	0.0	22.3





#7

1,4-Dithiane

Concen: 4.70 ug/mL

RT: 5.124 min Scan# 19

Delta R.T. -0.002 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Instrument :

BNA_J

ClientSampleId :

PB63956BSD

Tgt Ion: 46 Resp: 284308

Ion Ratio Lower Upper

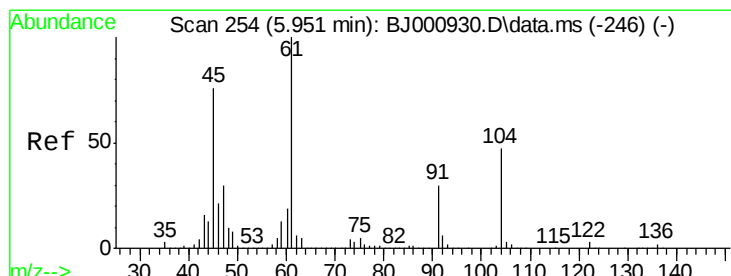
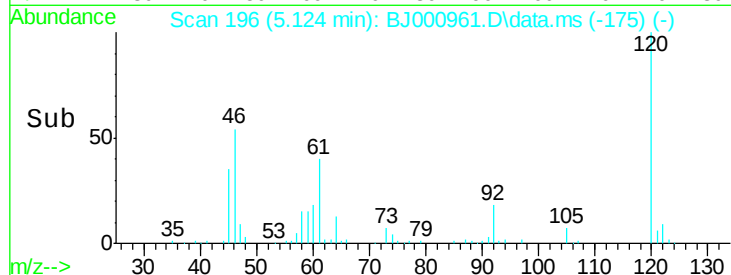
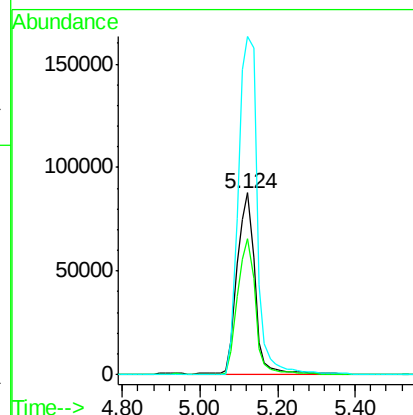
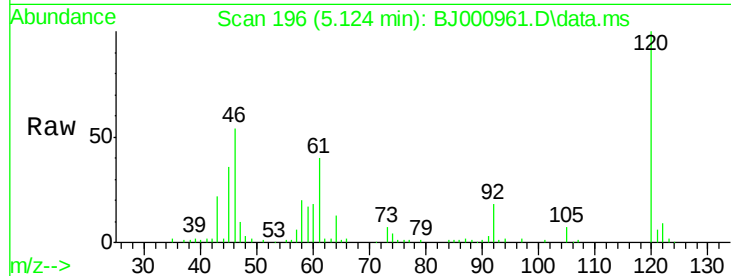
46 100

61 75.3 50.6 90.6

120 186.4 131.1 171.1#

Manual Integrations
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7/10/2012 1:25:53 AM



#8

Thiodiglycol

Concen: 38.08 ug/mL m

RT: 5.892 min Scan# 250

Delta R.T. -0.044 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

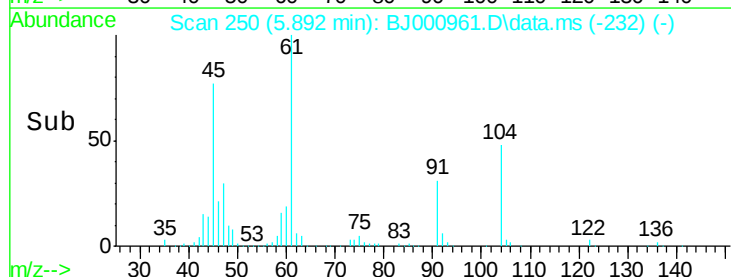
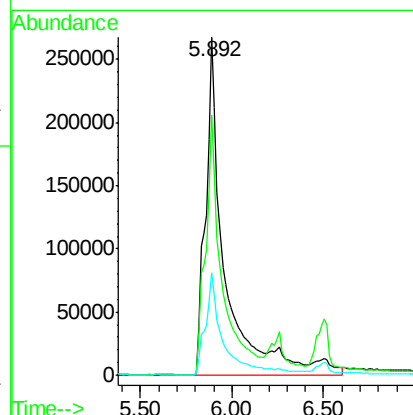
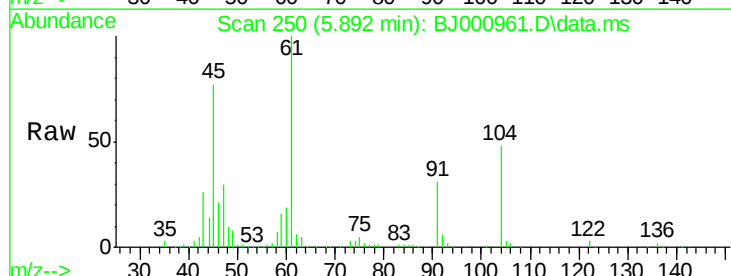
Tgt Ion: 61 Resp: 1956880

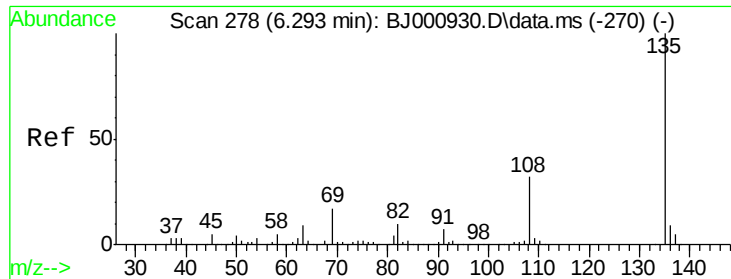
Ion Ratio Lower Upper

61 100

45 76.9 55.5 95.5

47 30.4 10.4 50.4





#9

Benzothiazole

Concen: 9.32 ug/mL

RT: 6.262 min Scan# 27

Delta R.T. -0.002 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Instrument :

BNA_J

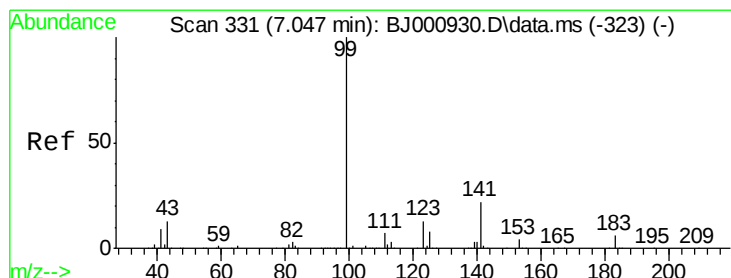
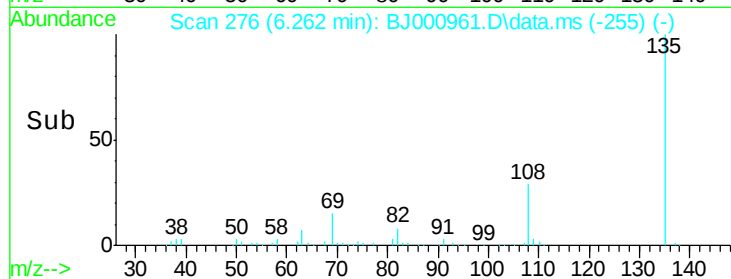
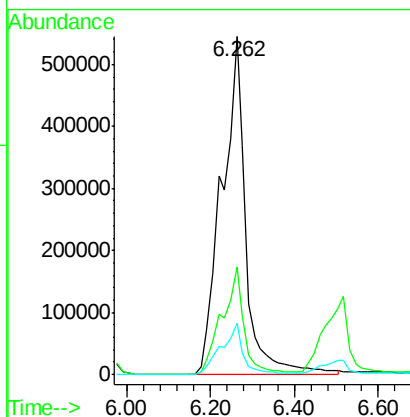
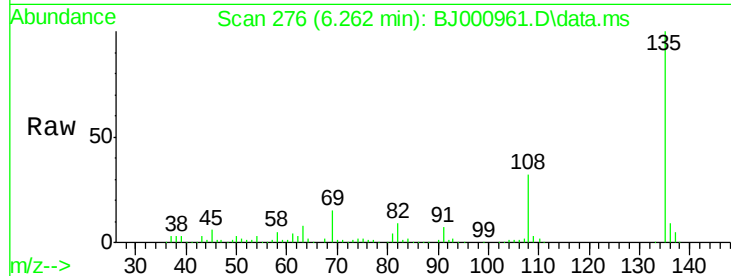
ClientSampleId :

PB63956BSD

Tgt Ion:	135	Resp:	2175181
Ion Ratio	Lower	Upper	
135	100		
108	31.8	12.4	52.4
69	15.1	0.0	36.7

Manual Integrations
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7/10/2012 1:25:53 AM



#10

Tripropylphosphate

Concen: 0.50 ug/mL

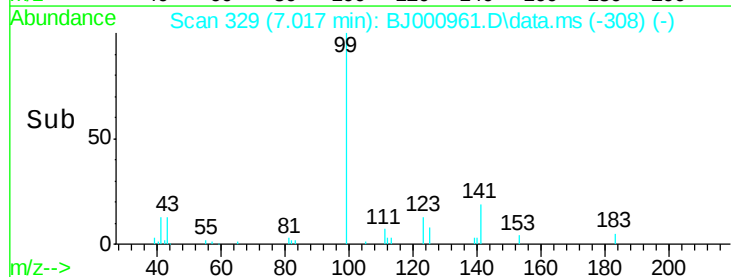
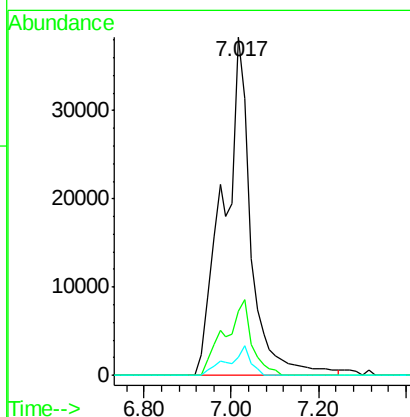
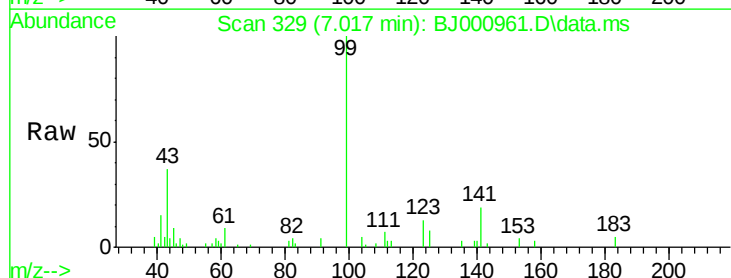
RT: 7.017 min Scan# 329

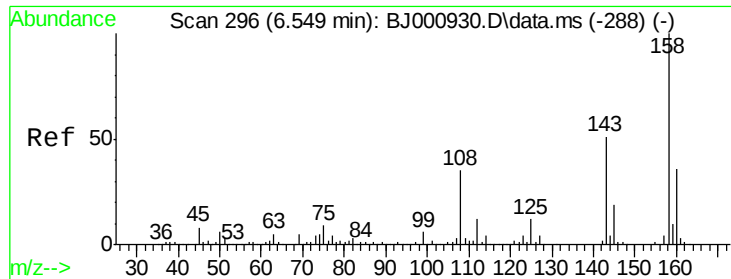
Delta R.T. -0.002 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion:	99	Resp:	167025
Ion Ratio	Lower	Upper	
99	100		
141	22.2	18.4	27.6
183	6.9	6.0	9.0





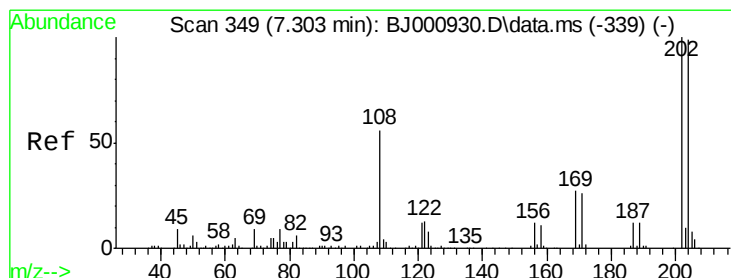
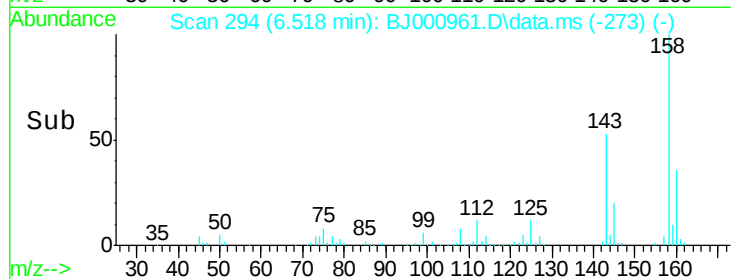
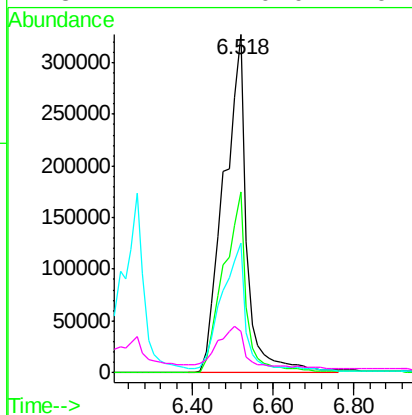
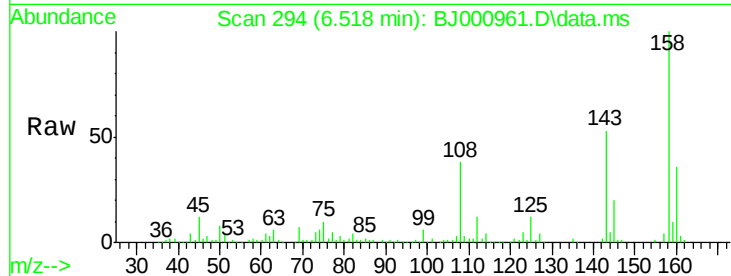
#11
p-Chlorophenylmethylsulfide
Concen: 8.78 ug/mL
RT: 6.518 min Scan# 29
Delta R.T. -0.002 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Instrument :
BNA_J
ClientSampleId :
PB63956BSD

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1286780		
143	53.5		31.9	71.9
108	38.3		15.8	55.8
45	12.1		0.0	29.2

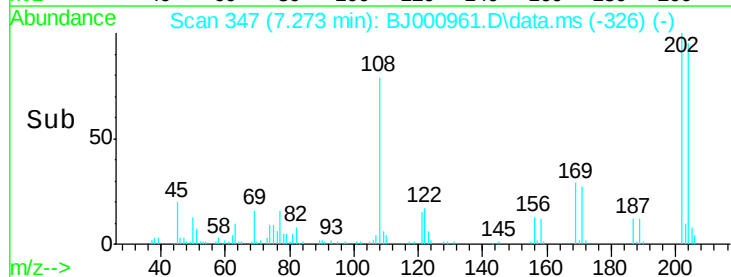
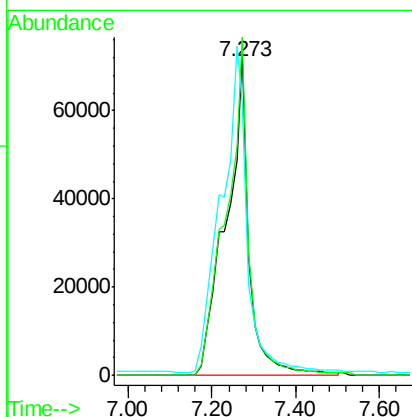
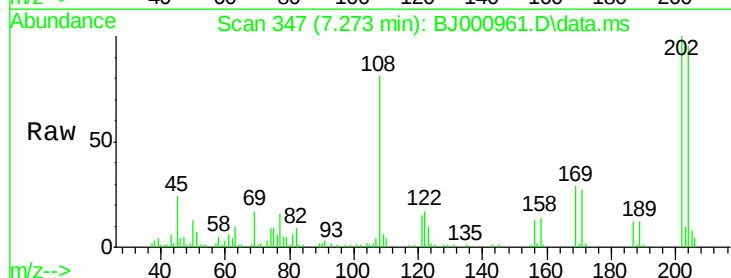
Manual Integrations
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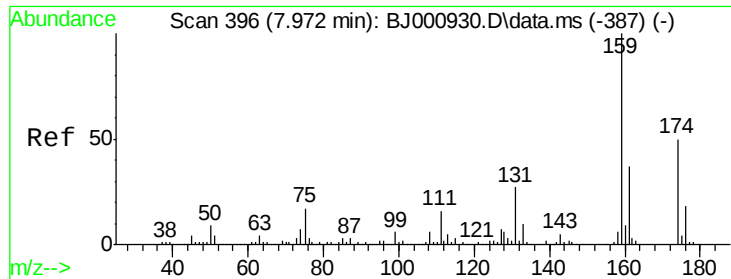
AHPatel
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#12
2-Bromothioanisole
Concen: 4.72 ug/mL
RT: 7.273 min Scan# 347
Delta R.T. -0.002 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	273837		
202	105.1		84.6	124.6
108	84.7		48.1	88.1





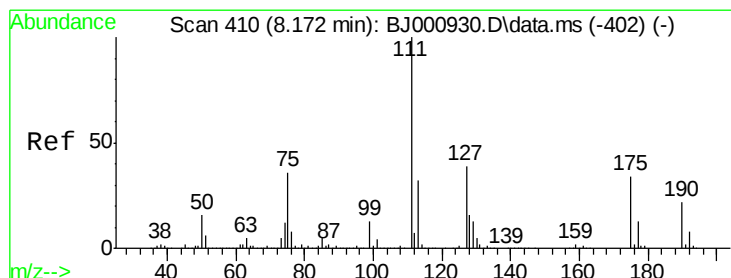
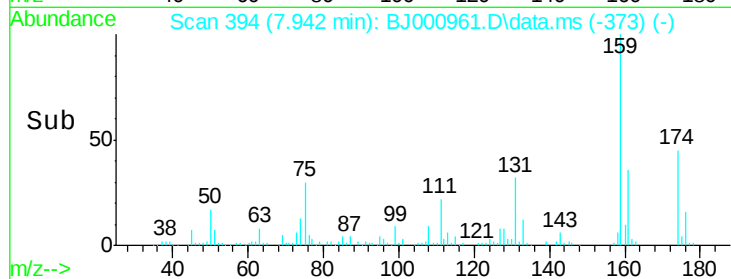
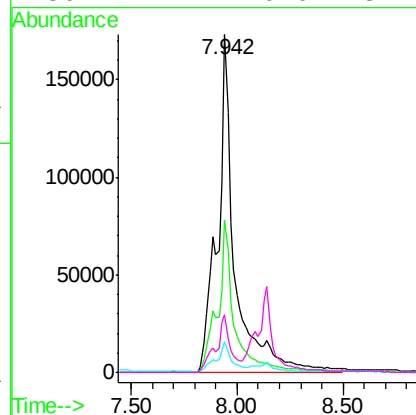
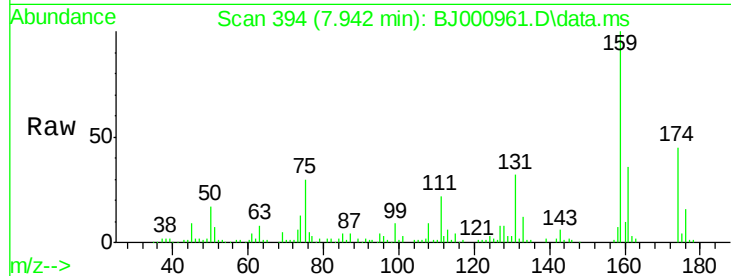
#13
p-Chlorophenylmethylsulfoxide
Concen: 11.27 ug/mL m
RT: 7.942 min Scan# 39
Delta R.T. -0.002 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Instrument :
BNA_J
ClientSampleId :
PB63956BSD

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	997539		
174	41.4	26.0	66.0	
108	8.2	0.0	28.6	
50	14.1	0.0	37.3	

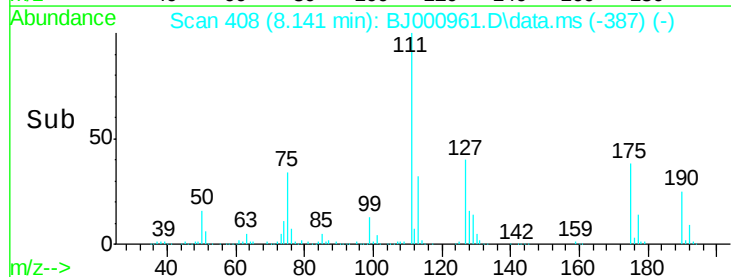
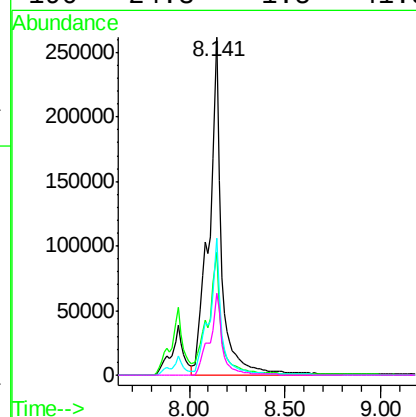
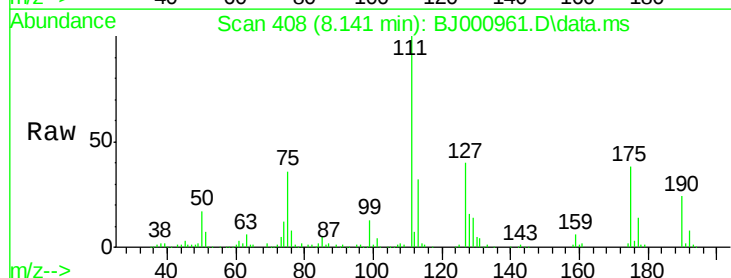
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#14
p-Chlorophenylmethylsulfone
Concen: 9.67 ug/mL m
RT: 8.141 min Scan# 408
Delta R.T. -0.002 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	1195262		
75	36.4	19.3	59.3	
127	40.4	18.4	58.4	
190	24.3	1.5	41.5	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
 Data File : BJ000961.D
 Acq On : 27 Jun 2012 14:50
 Operator : HLM
 Sample : PB63956BSD
 Misc : WATER BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB63956BSD

Manual Integrations
 APPROVED

AHPatel
 7/10/2012 1:25:53 AM

Quant Time: Jul 02 07:21:42 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Thu Jun 28 10:45:59 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.682	152	206436	2.00	ug/mL	0.00
6) Naphthalene-d8	5.978	136	849867	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.017	99	167025	0.50	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	100.00%	
12) 2-Bromothioanisole	7.273	204	273837	4.72	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	94.40%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.676	94	11471	0.16	ug/mL#	84
3) DMMP	3.558	79	170006m	2.21	ug/mL	
4) DIMP	4.939	97	714907	4.05	ug/mL#	82
5) 1,4-Oxathiane	3.700	46	360562	5.23	ug/mL	88
7) 1,4-Dithiane	5.124	46	284308	4.70	ug/mL#	79
8) Thiodiglycol	5.892	61	1956880m	38.08	ug/mL	
9) Benzothiazole	6.262	135	2175181	9.32	ug/mL	98
11) p-Chlorophenylmethyisu...	6.518	158	1286780	8.78	ug/mL	96
13) p-Chlorophenylmethyisu...	7.942	159	997539m	11.27	ug/mL	
14) p-Chlorophenylmethyisu...	8.141	111	1195262m	9.67	ug/mL	

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