

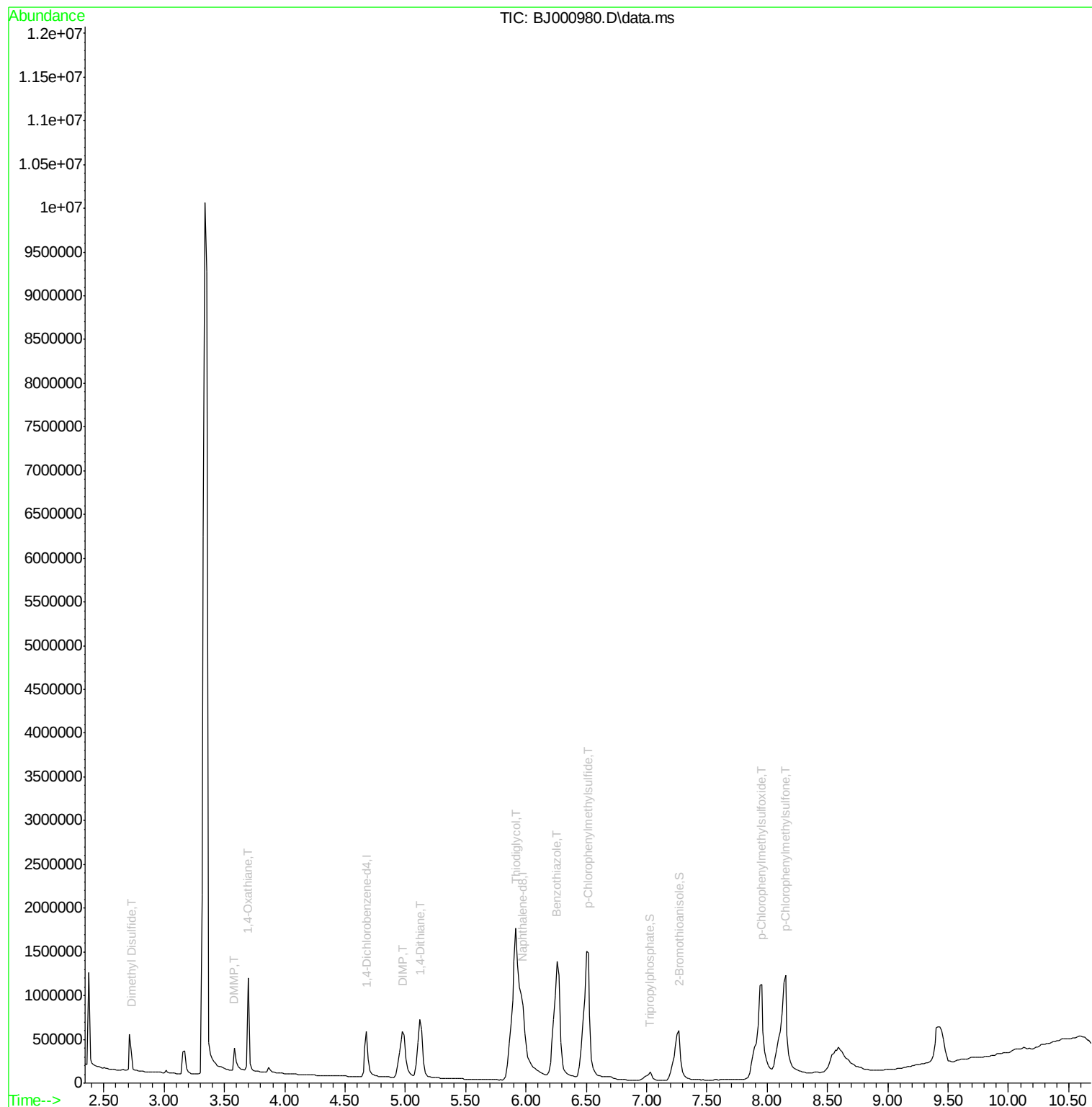
Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
Data File : BJ000980.D
Acq On : 27 Jun 2012 20:34
Operator : HLM
Sample : PB63957BS
Misc : WATER BNA_J HLM
ALS Vial : 24 Sample Multiplier: 1

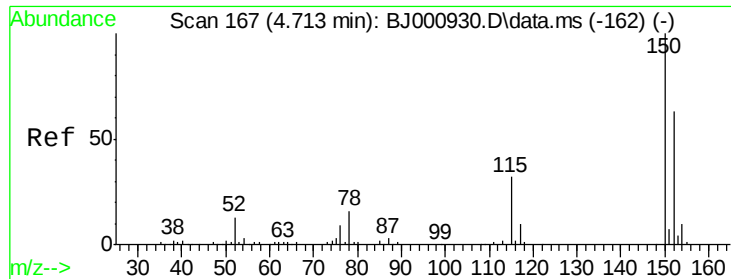
Instrument :
BNA_J
ClientSampleId :
PB63957BS

Manual Integrations
APPROVED

AHPatel
7/10/2012 1:25:56 AM

Quant Time: Jul 02 07:23:12 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: 4.678 min Scan# 16

Delta R.T. -0.006 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Instrument :

BNA_J

ClientSampleId :

PB63957BS

Tgt Ion:152 Resp: 186069

Ion Ratio Lower Upper

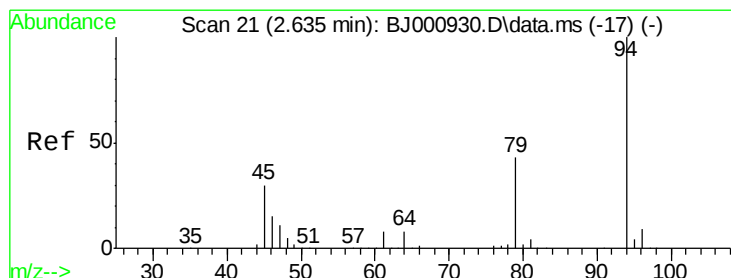
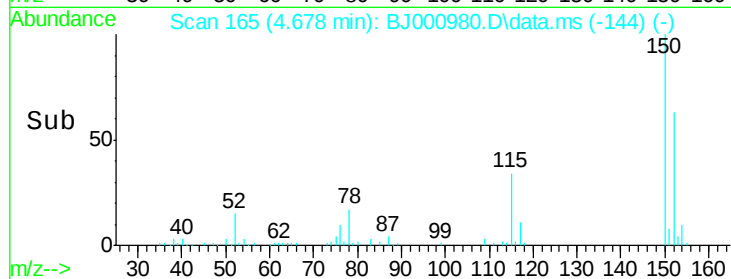
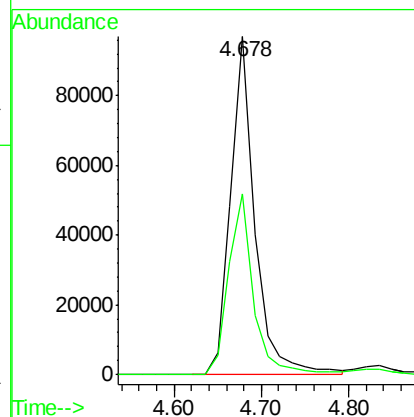
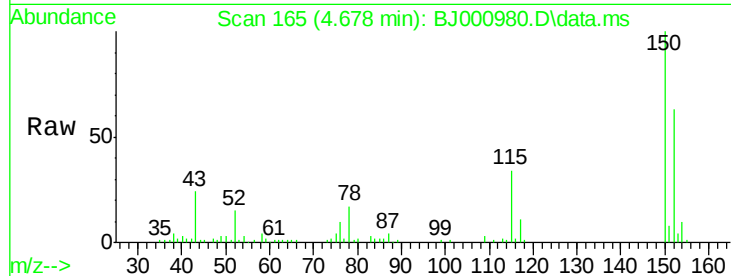
152 100

115 53.6 29.6 69.6

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#2

Dimethyl Disulfide

Concen: 2.89 ug/mL m

RT: 2.729 min Scan# 28

Delta R.T. 0.165 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

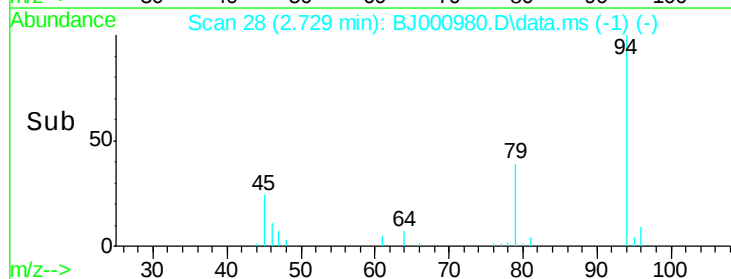
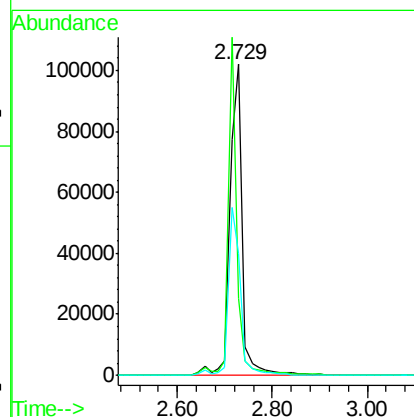
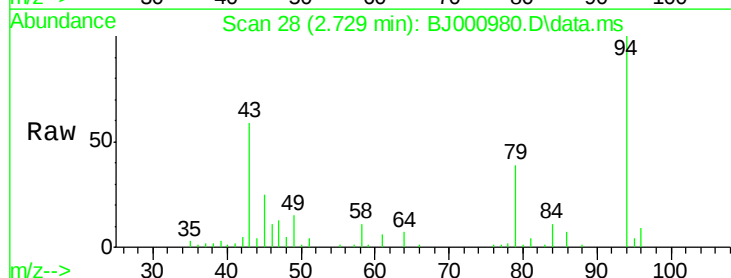
Tgt Ion: 94 Resp: 182543

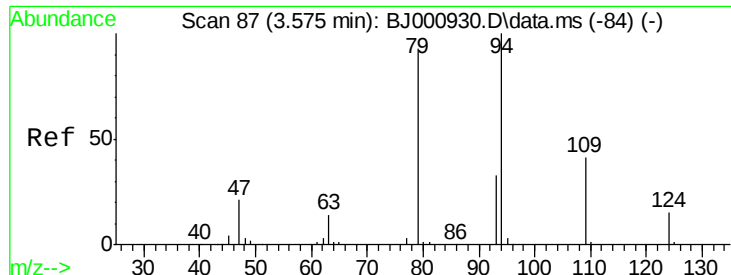
Ion Ratio Lower Upper

94 100

45 24.9 55.3 95.3#

79 39.0 37.3 77.3





#3

DMMP

Concen: 2.02 ug/mL

RT: 3.583 min Scan# 88

Delta R.T. 0.037 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Instrument :

BNA_J

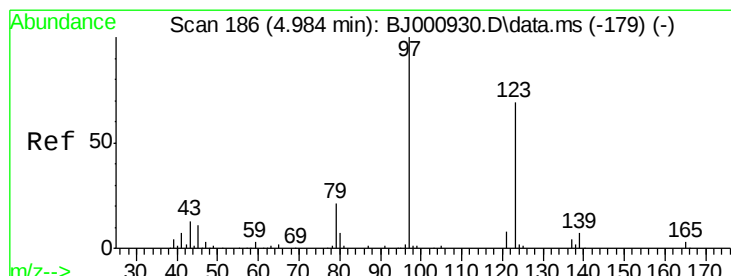
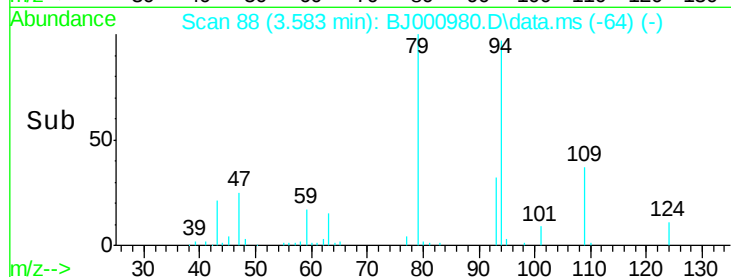
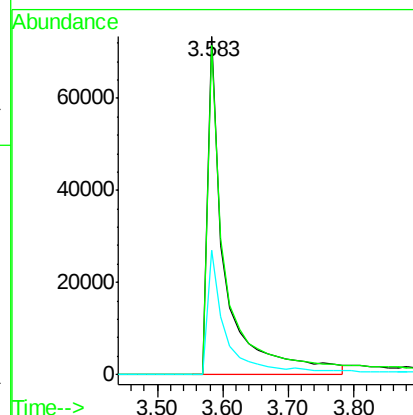
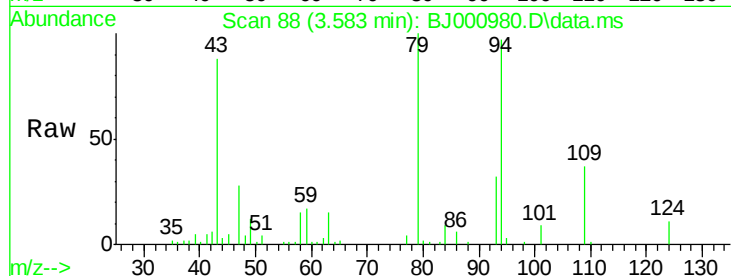
ClientSampleId :

PB63957BS

Tgt Ion:	79	Resp:	139825
Ion Ratio	Lower	Upper	
79	100		
94	97.3	84.5	124.5
109	36.7	23.4	63.4

Manual Integrations
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#4

DIMP

Concen: 4.39 ug/mL

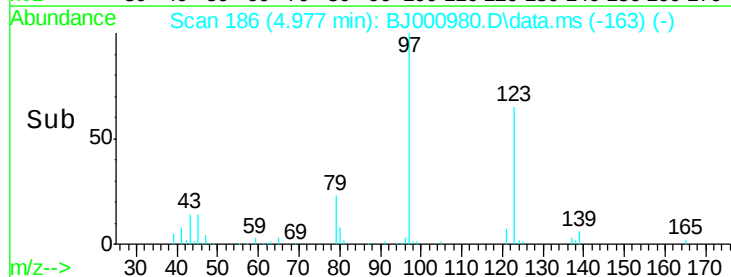
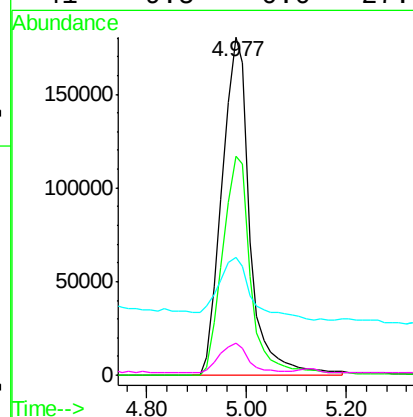
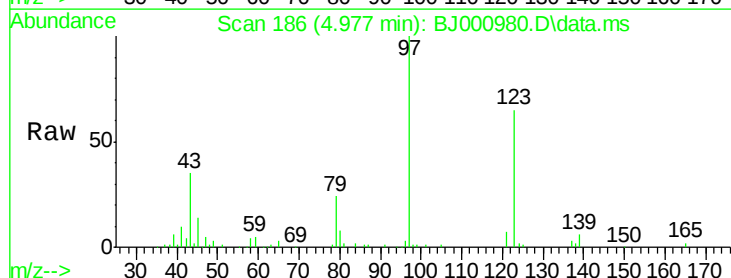
RT: 4.977 min Scan# 186

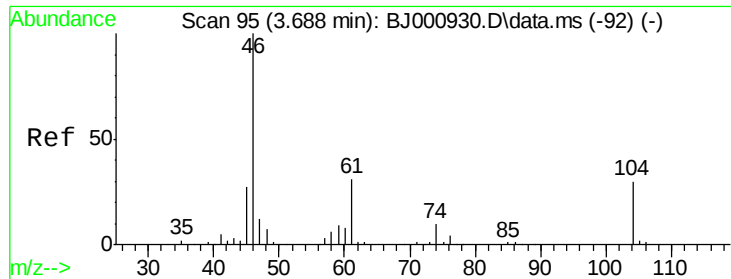
Delta R.T. 0.023 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Tgt Ion:	97	Resp:	698016
Ion Ratio	Lower	Upper	
97	100		
123	64.7	45.3	85.3
43	35.0	0.0	35.5
41	9.5	0.0	27.9





#5

1,4-Oxathiane

Concen: 5.16 ug/mL

RT: 3.696 min Scan# 96

Delta R.T. 0.037 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Instrument :

BNA_J

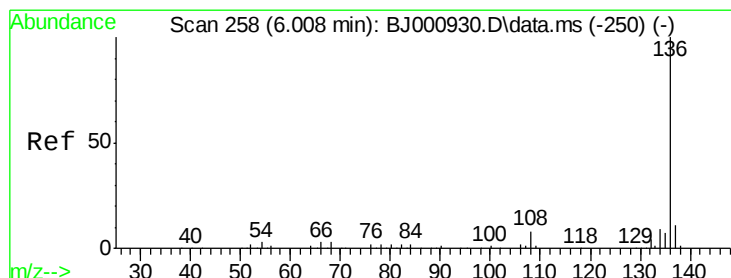
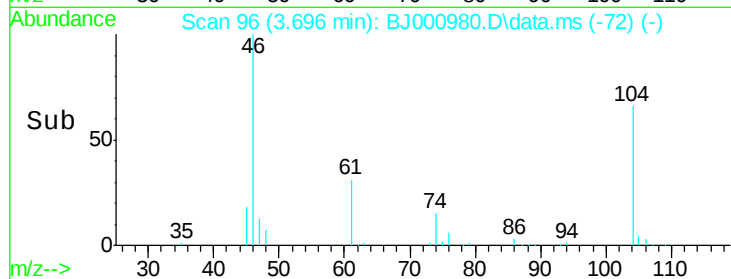
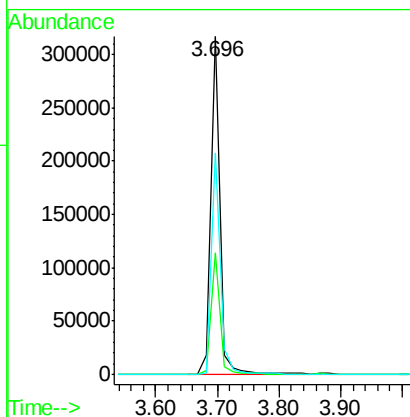
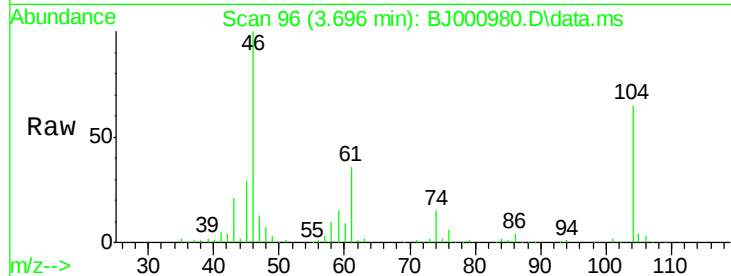
ClientSampleId :

PB63957BS

Tgt Ion:	46	Resp:	320887
Ion Ratio	Lower	Upper	
46	100		
61	36.0	15.3	55.3
104	65.5	38.4	78.4

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

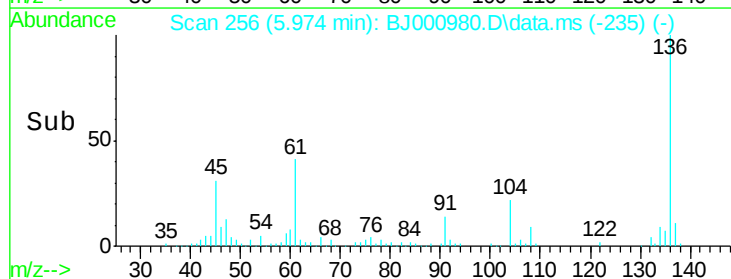
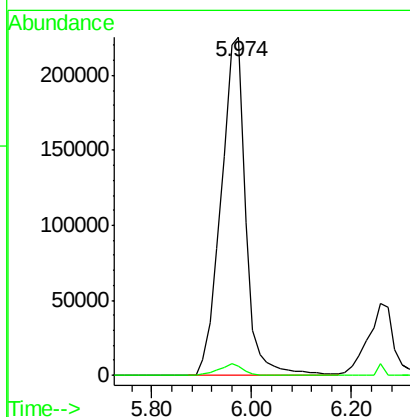
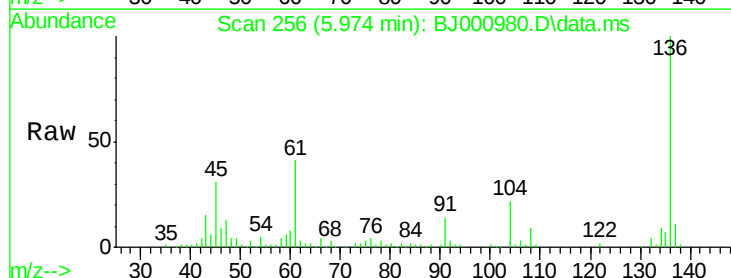
RT: 5.974 min Scan# 256

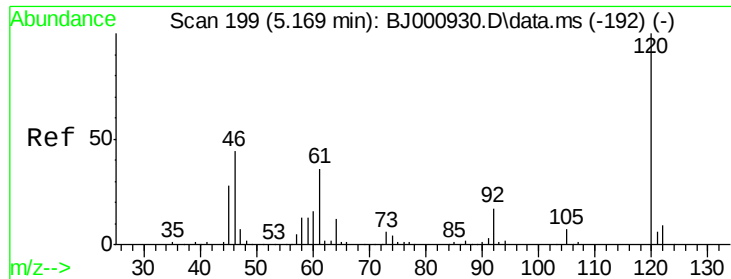
Delta R.T. -0.006 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Tgt Ion:	136	Resp:	769963
Ion Ratio	Lower	Upper	
136	100		
68	2.8	0.0	22.3





#7

1,4-Dithiane

Concen: 4.47 ug/mL

RT: 5.120 min Scan# 19

Delta R.T. -0.006 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Instrument :

BNA_J

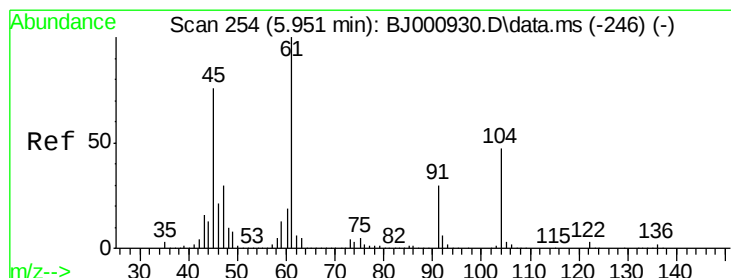
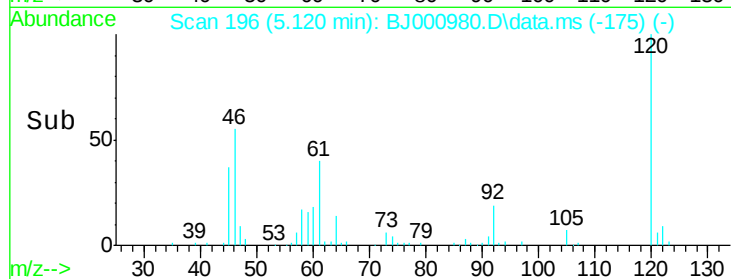
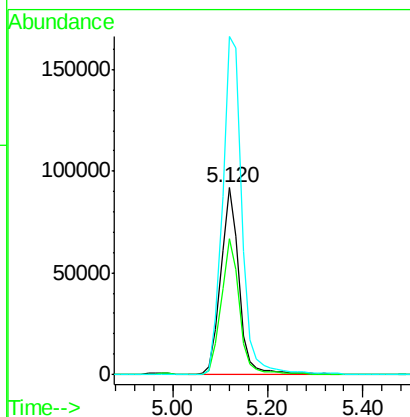
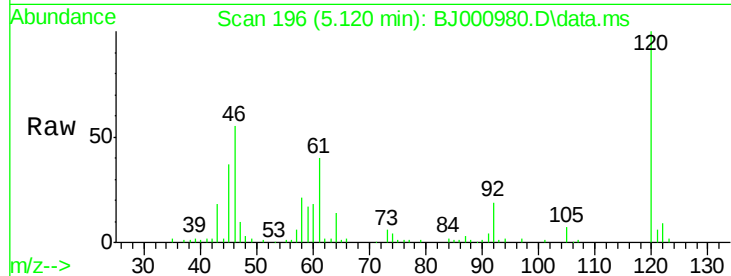
ClientSampleId :

PB63957BS

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	245166		
61	73.0	50.6	90.6	
120	181.3	131.1	171.1	#

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#8

Thiodiglycol

Concen: 39.69 ug/mL

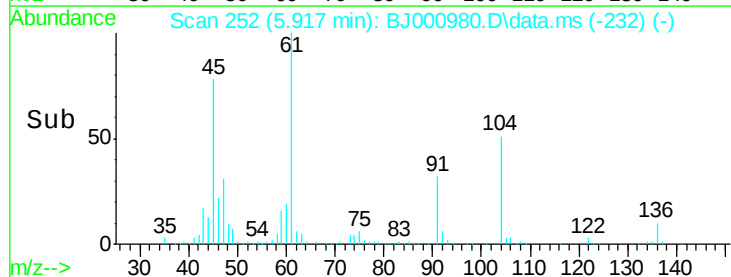
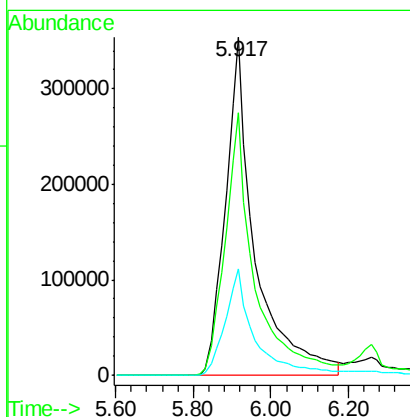
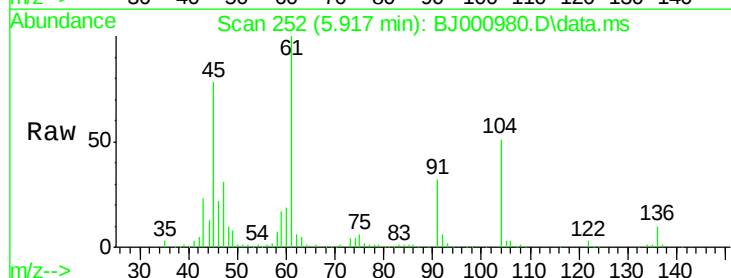
RT: 5.917 min Scan# 252

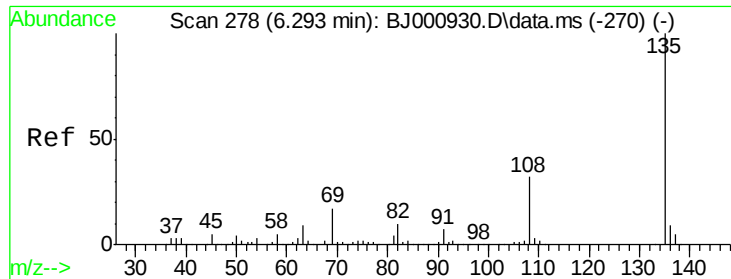
Delta R.T. -0.020 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	1856577		
45	77.8	55.5	95.5	
47	31.3	10.4	50.4	





#9

Benzothiazole

Concen: 9.31 ug/mL

RT: 6.258 min Scan# 27

Delta R.T. -0.006 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Instrument :

BNA_J

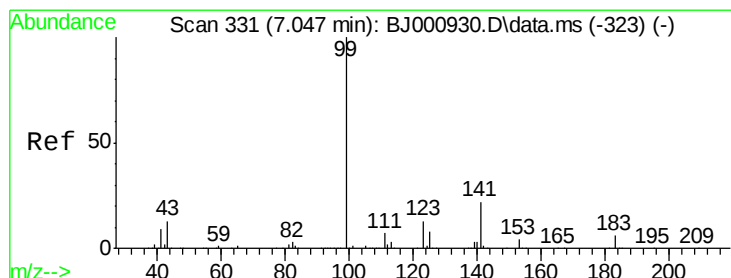
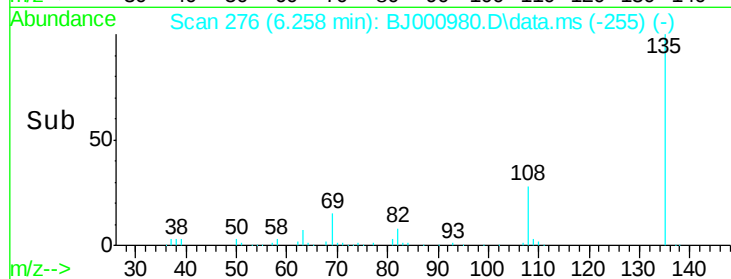
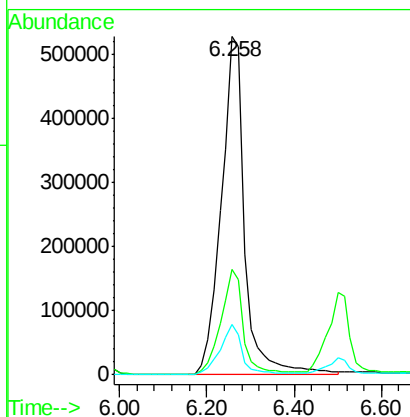
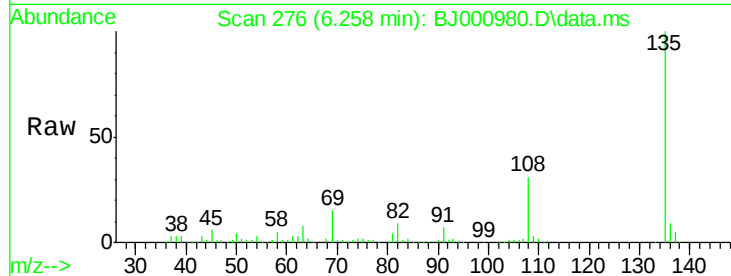
ClientSampleId :

PB63957BS

Tgt Ion:	135	Resp:	1970007
Ion Ratio	Lower	Upper	
135	100		
108	30.9	12.4	52.4
69	14.7	0.0	36.7

Manual Integrations
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#10

Tripropylphosphate

Concen: 0.51 ug/mL

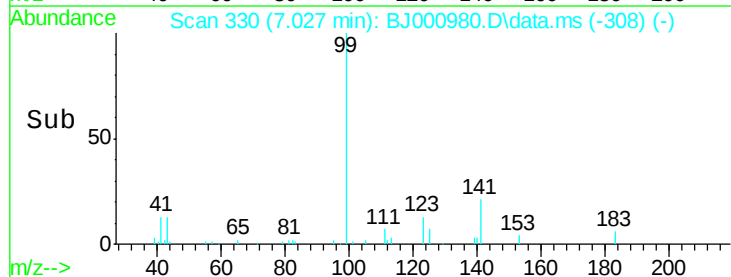
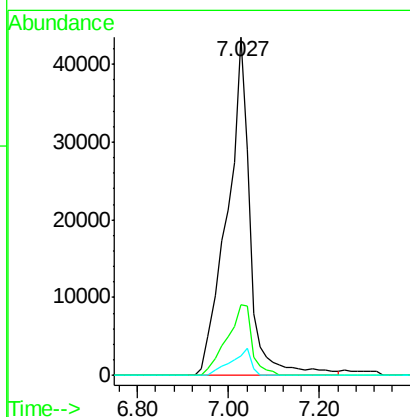
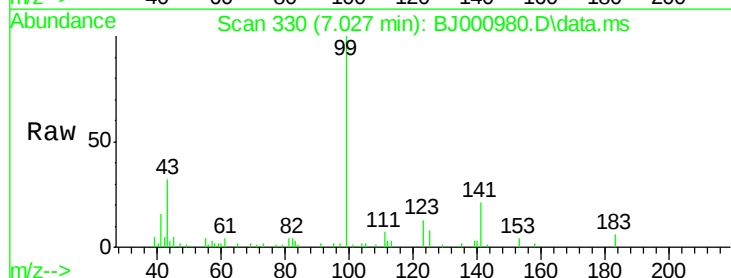
RT: 7.027 min Scan# 330

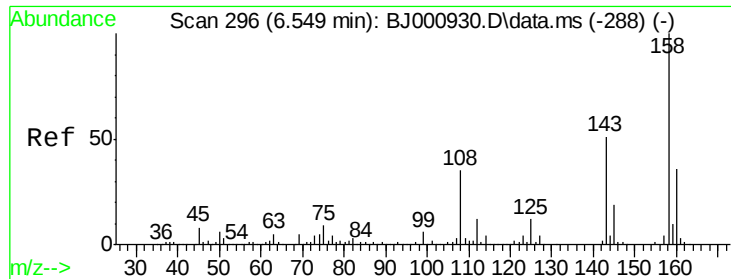
Delta R.T. 0.008 min

Lab File: BJ000980.D

Acq: 27 Jun 2012 20:34

Tgt Ion:	99	Resp:	152167
Ion Ratio	Lower	Upper	
99	100		
141	23.0	18.4	27.6
183	6.9	6.0	9.0





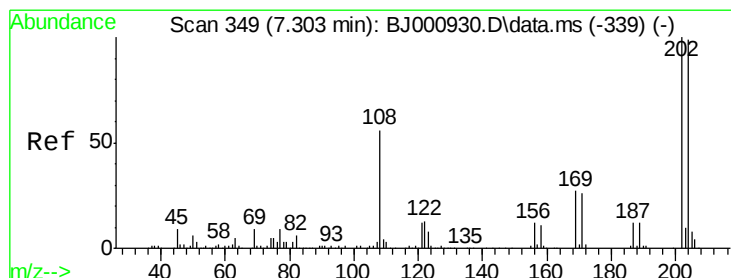
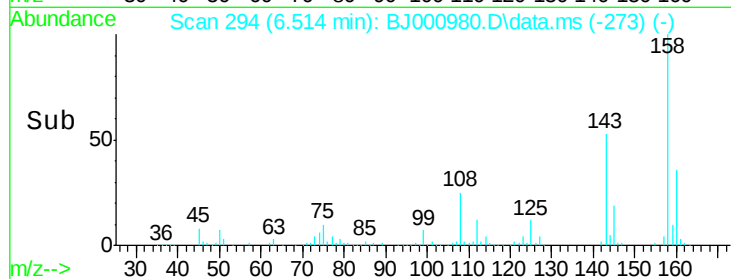
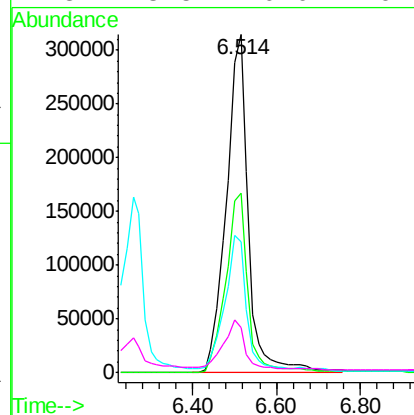
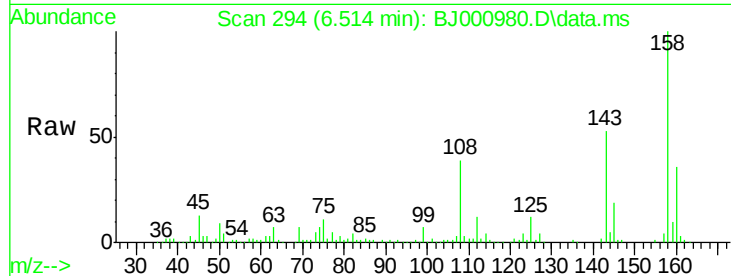
#11
p-Chlorophenylmethylsulfide
Concen: 8.67 ug/mL
RT: 6.514 min Scan# 29
Delta R.T. -0.006 min
Lab File: BJ000980.D
Acq: 27 Jun 2012 20:34

Instrument :
BNA_J
ClientSampleId :
PB63957BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1151300		
143	52.9	31.9	71.9	
108	38.6	15.8	55.8	
45	13.5	0.0	29.2	

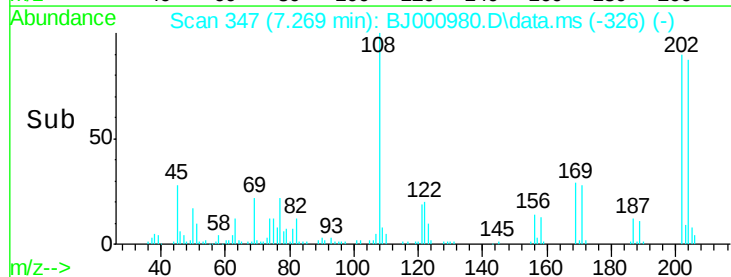
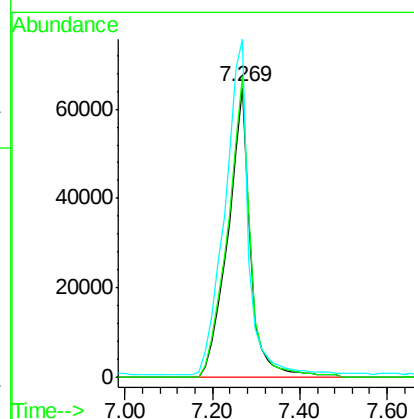
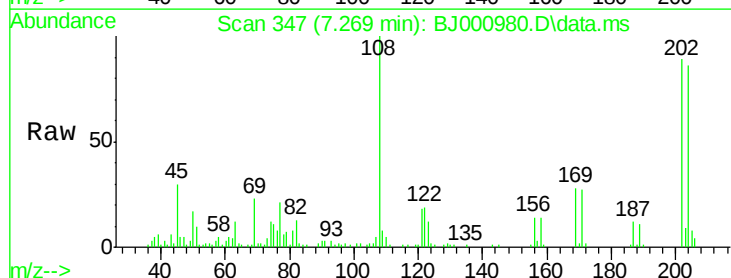
Manual Integrations
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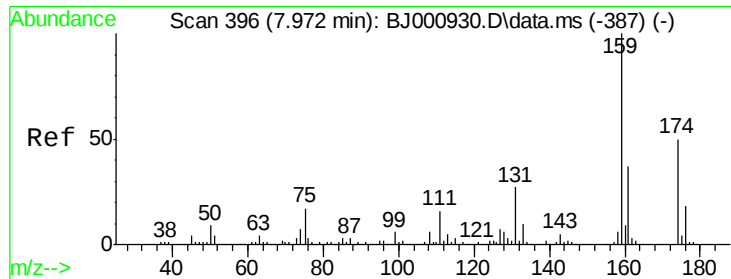
AHPatel
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#12
2-Bromothioanisole
Concen: 4.41 ug/mL
RT: 7.269 min Scan# 347
Delta R.T. -0.006 min
Lab File: BJ000980.D
Acq: 27 Jun 2012 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	231970		
202	103.8	84.6	124.6	
108	116.8	48.1	88.1#	





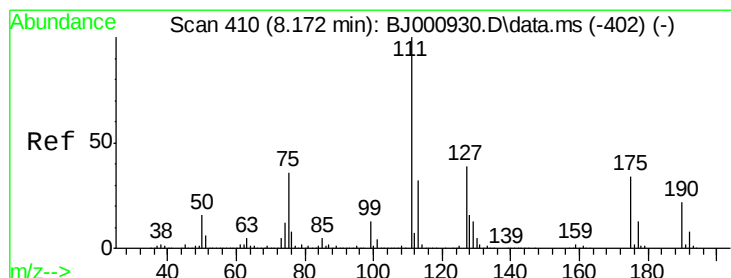
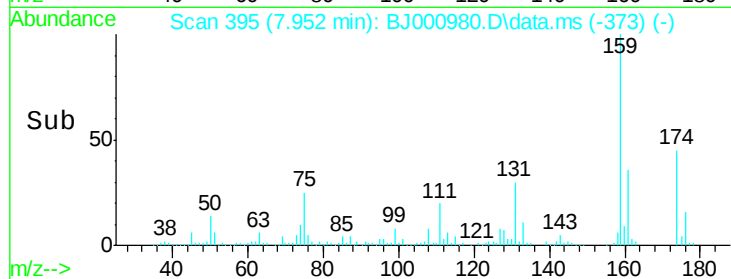
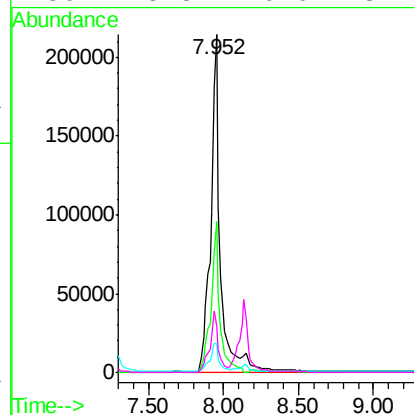
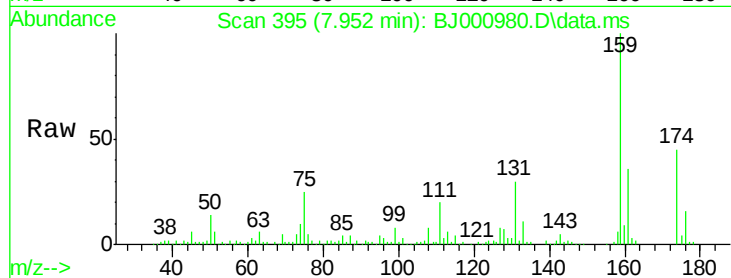
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.04 ug/mL m
RT: 7.952 min Scan# 39
Delta R.T. 0.008 min
Lab File: BJ000980.D
Acq: 27 Jun 2012 20:34

Instrument :
BNA_J
ClientSampleId :
PB63957BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
159	100		
174	39.7	26.0	66.0
108	7.9	0.0	28.6
50	15.3	0.0	37.3

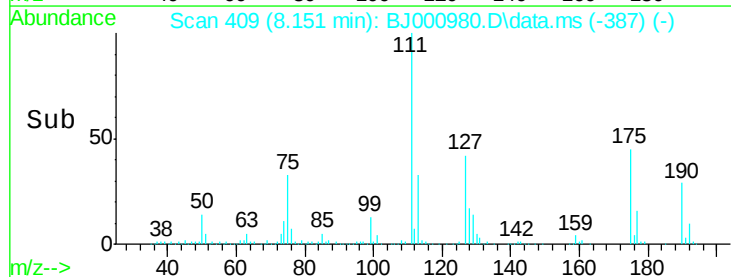
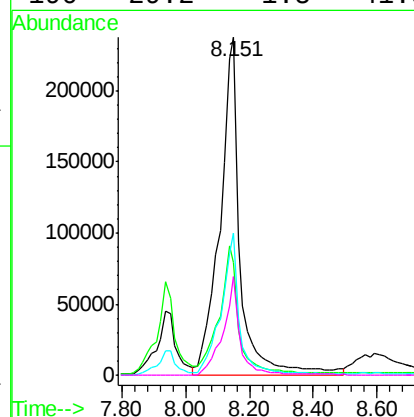
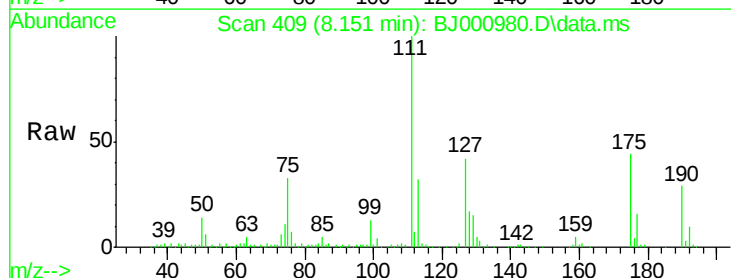
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#14
p-Chlorophenylmethylsulfone
Concen: 9.40 ug/mL m
RT: 8.151 min Scan# 409
Delta R.T. 0.008 min
Lab File: BJ000980.D
Acq: 27 Jun 2012 20:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
111	100		
75	33.4	19.3	59.3
127	42.0	18.4	58.4
190	29.2	1.5	41.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
 Data File : BJ000980.D
 Acq On : 27 Jun 2012 20:34
 Operator : HLM
 Sample : PB63957BS
 Misc : WATER BNA_J HLM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB63957BS

Manual Integrations
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AHPatel
 7/10/2012 1:25:56 AM

Quant Time: Jul 02 07:23:12 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	4.678	152	186069	2.00	ug/mL	0.00
6) Naphthalene-d8	5.974	136	769963	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.027	99	152167	0.51	ug/mL	0.00
Spiked Amount 0.500	Range	70 - 130	Recovery	=	102.00%	
12) 2-Bromothioanisole	7.269	204	231970	4.41	ug/mL	0.00
Spiked Amount 5.000	Range	70 - 130	Recovery	=	88.20%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.729	94	182543m	2.89	ug/mL	
3) DMMP	3.583	79	139825	2.02	ug/mL	92
4) DIMP	4.977	97	698016	4.39	ug/mL	91
5) 1,4-Oxathiane	3.696	46	320887	5.16	ug/mL	94
7) 1,4-Dithiane	5.120	46	245166	4.47	ug/mL#	83
8) Thiodiglycol	5.917	61	1856577	39.69	ug/mL	98
9) Benzothiazole	6.258	135	1970007	9.31	ug/mL	97
11) p-Chlorophenylmethyisu...	6.514	158	1151300	8.67	ug/mL	96
13) p-Chlorophenylmethyisu...	7.952	159	975715m	12.04	ug/mL	
14) p-Chlorophenylmethyisu...	8.151	111	1053076m	9.40	ug/mL	

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