

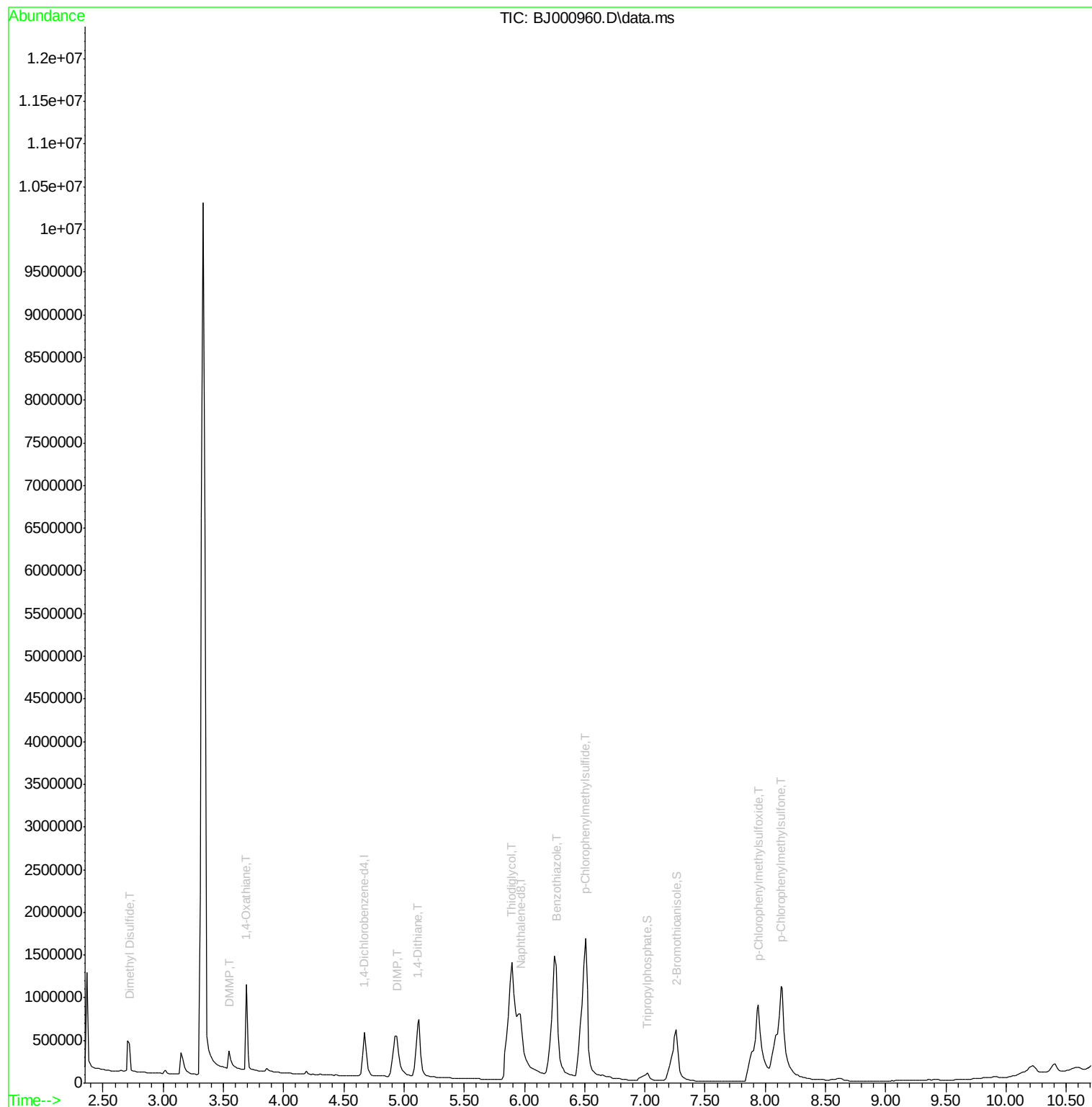
Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
Data File : BJ000960.D
Acq On : 27 Jun 2012 14:32
Operator : HLM
Sample : PB63956BS
Misc : WATER BNA_J HLM
ALS Vial : 4 Sample Multiplier: 1

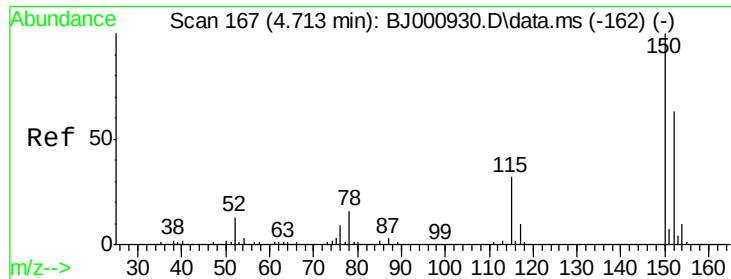
Instrument :
BNA_J
ClientSampleId :
PB63956BS

Manual Integrations
APPROVED

AHPatel
7/10/2012 1:25:51 AM

Quant Time: Jul 02 07:21:35 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: 4.671 min Scan# 16

Delta R.T. -0.013 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Instrument :

BNA_J

ClientSampleId :

PB63956BS

Tgt Ion:152 Resp: 191197

Ion Ratio Lower Upper

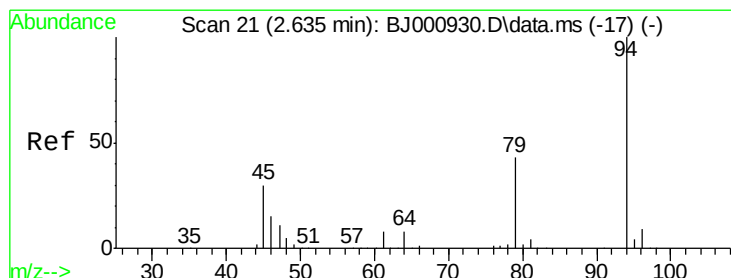
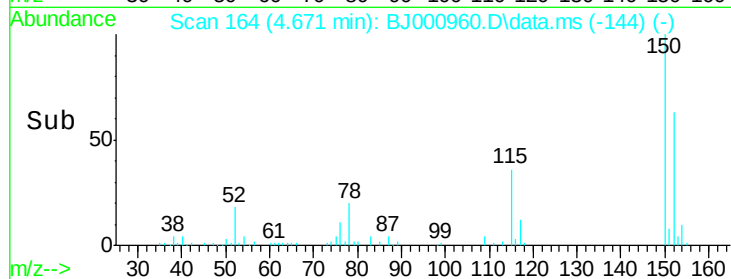
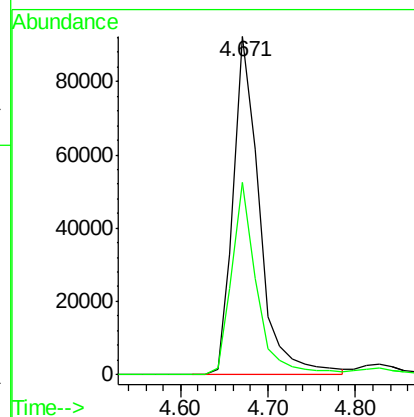
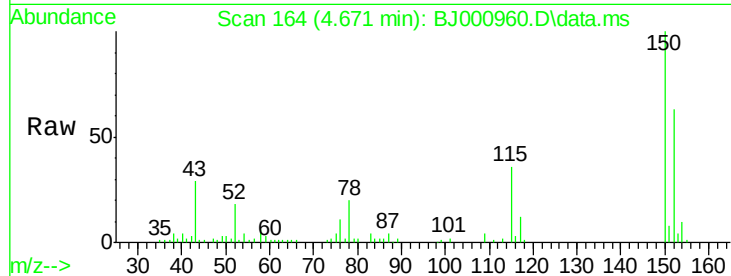
152 100

115 56.9 29.6 69.6

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 3.31 ug/mL m

RT: 2.721 min Scan# 27

Delta R.T. 0.157 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

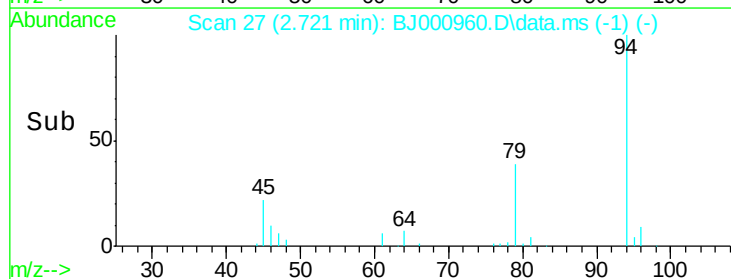
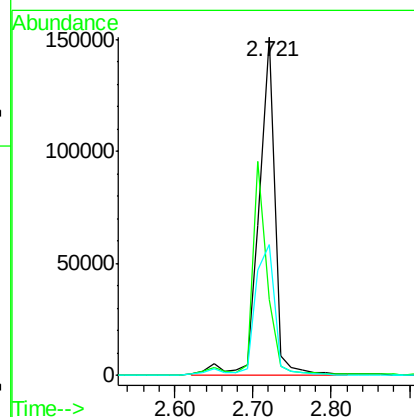
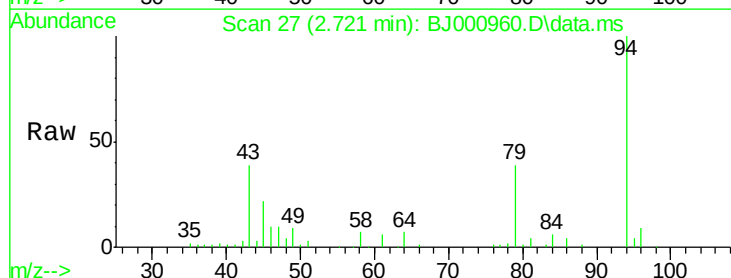
Tgt Ion: 94 Resp: 214959

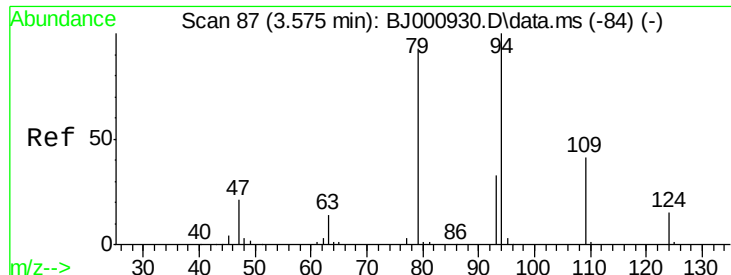
Ion Ratio Lower Upper

94 100

45 22.3 55.3 95.3#

79 38.6 37.3 77.3





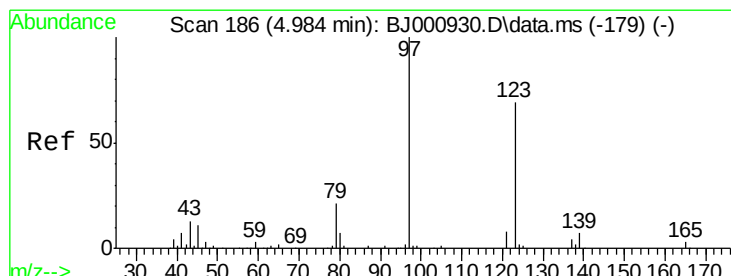
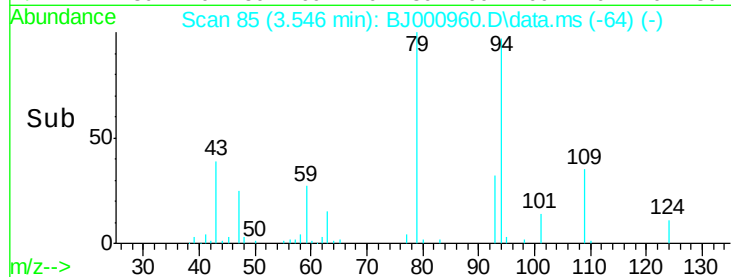
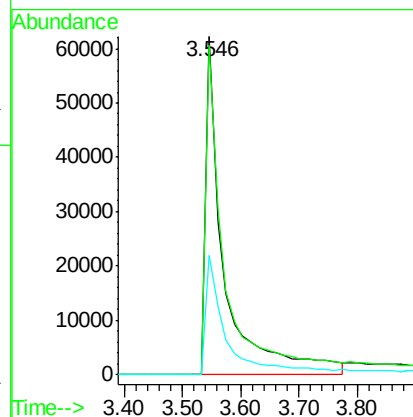
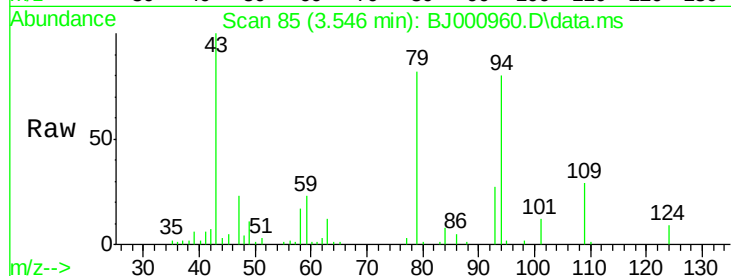
#3
DMMP
Concen: 1.95 ug/mL
RT: 3.546 min Scan# 85
Delta R.T. 0.001 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Instrument :
BNA_J
ClientSampleId :
PB63956BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
94	97.4	84.5	124.5
109	35.2	23.4	63.4

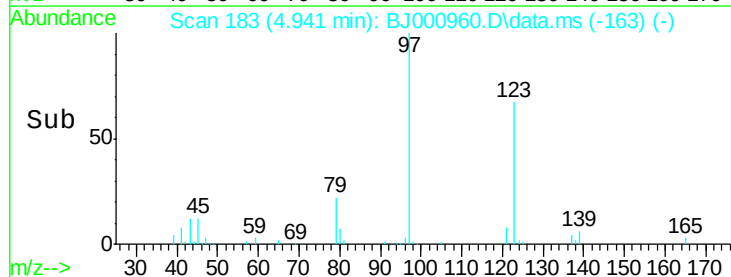
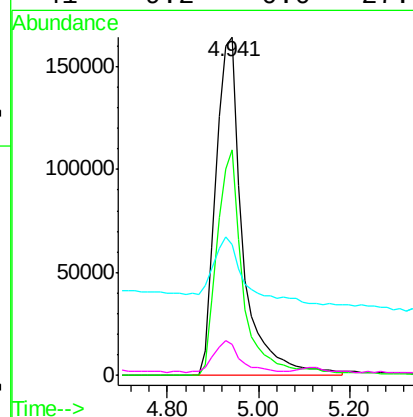
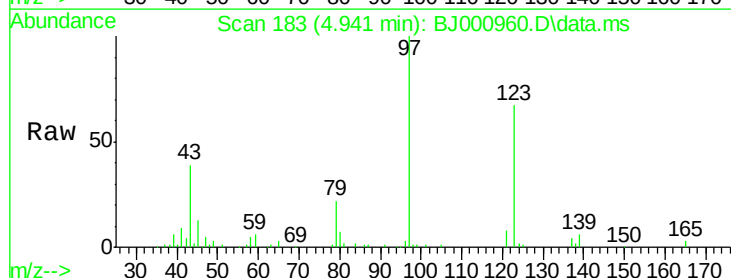
Manual Integrations
APPROVED

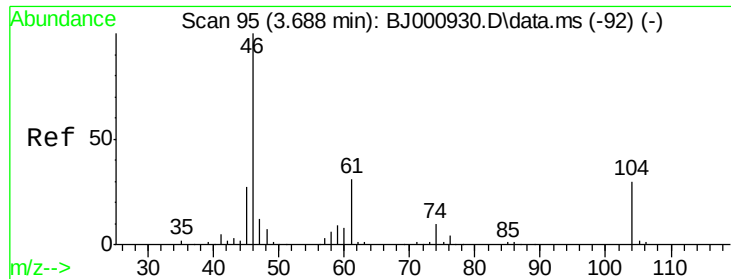
AHPatel
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#4
DIMP
Concen: 4.10 ug/mL
RT: 4.941 min Scan# 183
Delta R.T. -0.013 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
123	66.6	45.3	85.3
43	38.7	0.0	35.5#
41	9.2	0.0	27.9





#5

1,4-Oxathiane

Concen: 5.45 ug/mL

RT: 3.689 min Scan# 95

Delta R.T. 0.029 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Instrument :

BNA_J

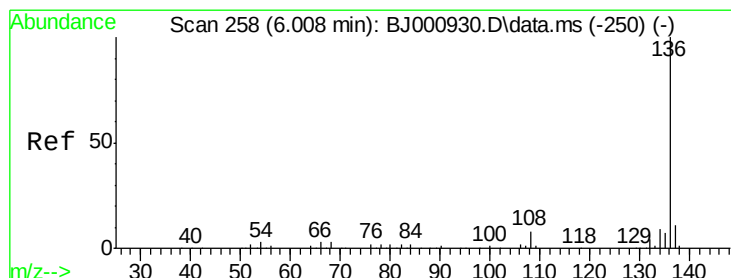
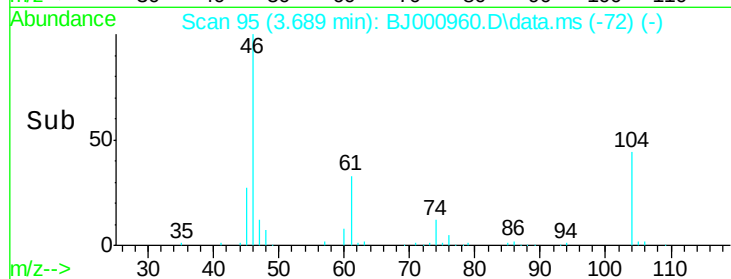
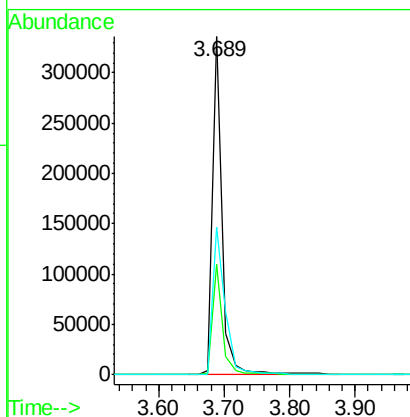
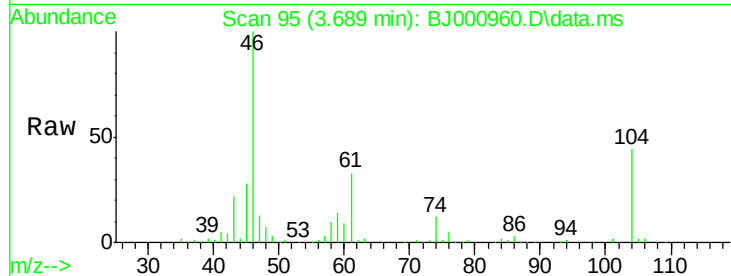
ClientSampleId :

PB63956BS

Tgt Ion:	46	Resp:	348039
Ion Ratio	Lower	Upper	
46	100		
61	32.8	15.3	55.3
104	43.8	38.4	78.4

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

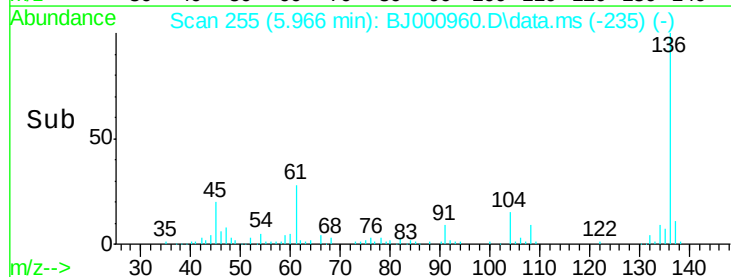
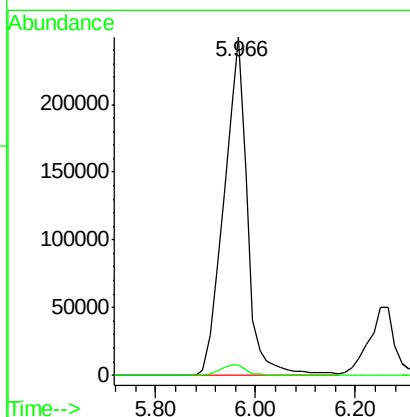
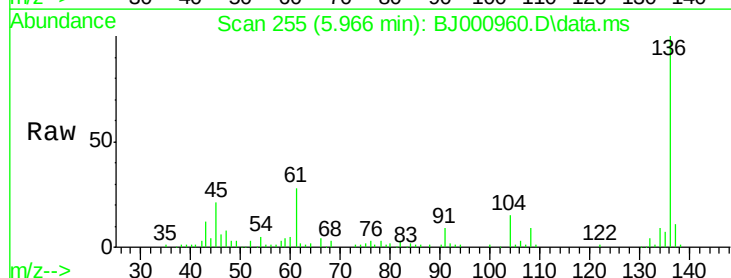
RT: 5.966 min Scan# 255

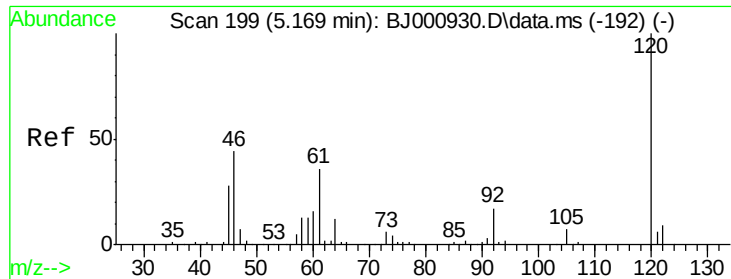
Delta R.T. -0.013 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Tgt Ion:	136	Resp:	802231
Ion Ratio	Lower	Upper	
136	100		
68	3.1	0.0	22.3





#7

1,4-Dithiane

Concen: 4.60 ug/mL

RT: 5.112 min Scan# 19

Delta R.T. -0.013 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Instrument :

BNA_J

ClientSampleId :

PB63956BS

Tgt Ion: 46 Resp: 262739
Ion Ratio Lower Upper

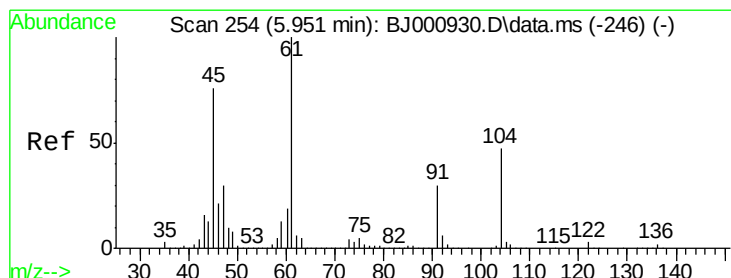
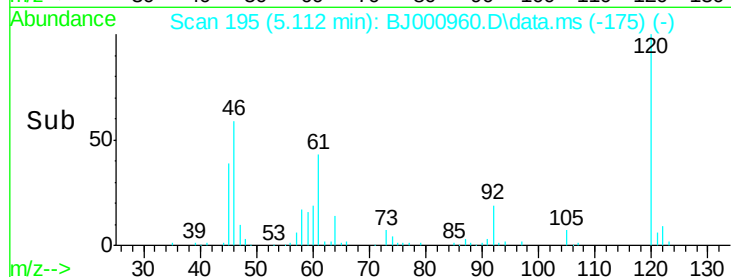
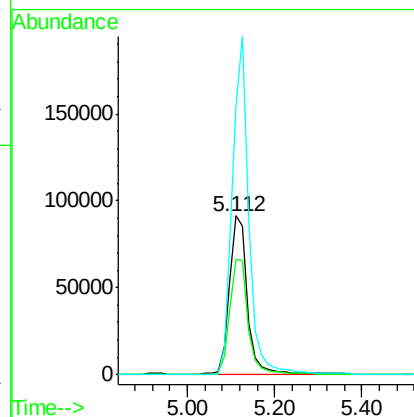
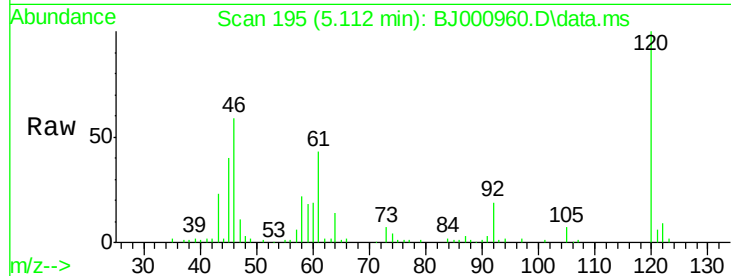
46 100

61 72.9 50.6 90.6

120 169.8 131.1 171.1

Manual Integrations
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#8

Thiodiglycol

Concen: 38.23 ug/mL m

RT: 5.895 min Scan# 250

Delta R.T. -0.042 min

Lab File: BJ000960.D

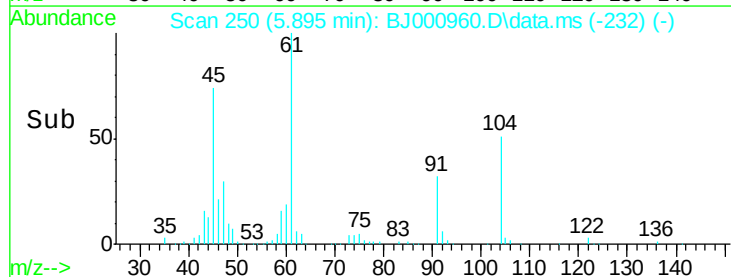
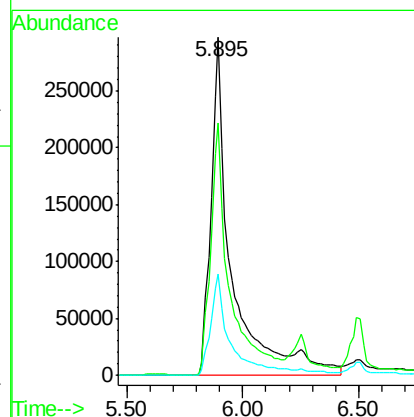
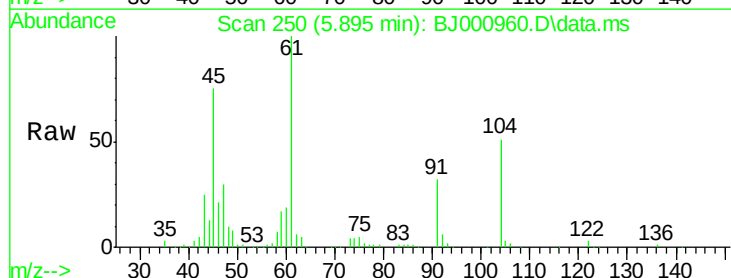
Acq: 27 Jun 2012 14:32

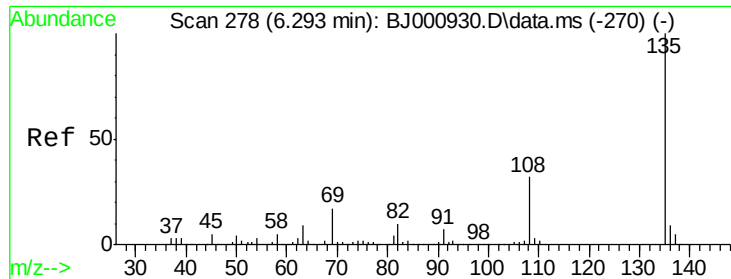
Tgt Ion: 61 Resp: 1855414
Ion Ratio Lower Upper

61 100

45 74.6 55.5 95.5

47 30.0 10.4 50.4





#9

Benzothiazole

Concen: 9.65 ug/mL

RT: 6.265 min Scan# 27

Delta R.T. 0.001 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Instrument :

BNA_J

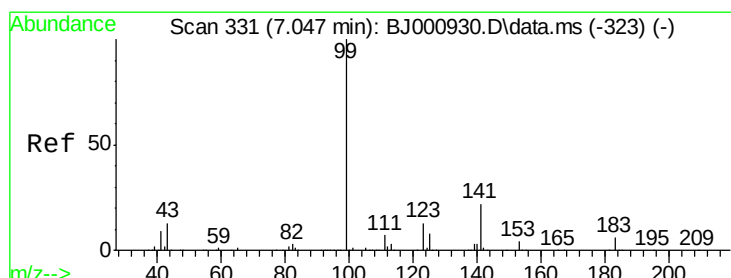
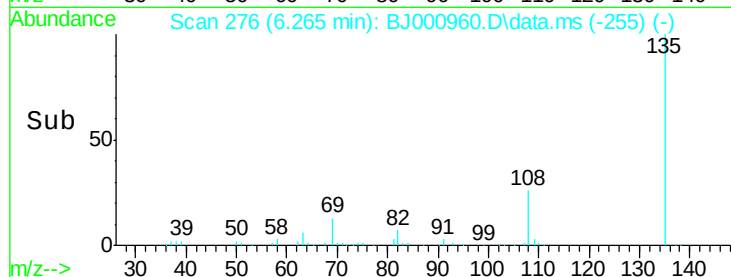
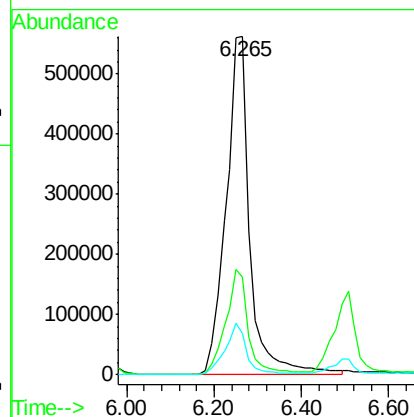
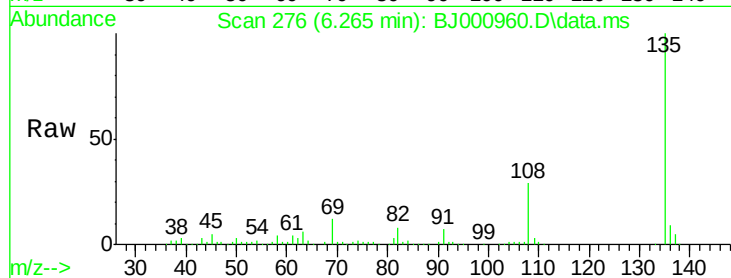
ClientSampled :

PB63956BS

Tgt Ion:	135	Resp:	2126514
Ion Ratio	Lower	Upper	
135	100		
108	29.0	12.4	52.4
69	12.2	0.0	36.7

Manual Integrations
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#10

Tripropylphosphate

Concen: 0.50 ug/mL

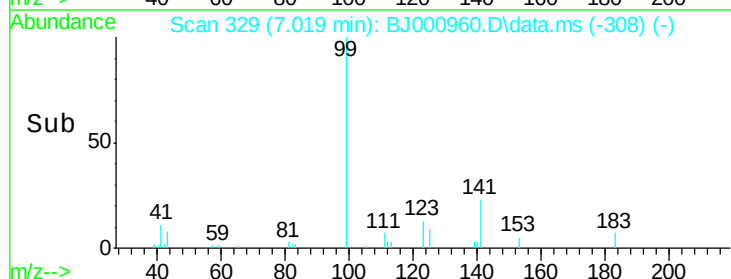
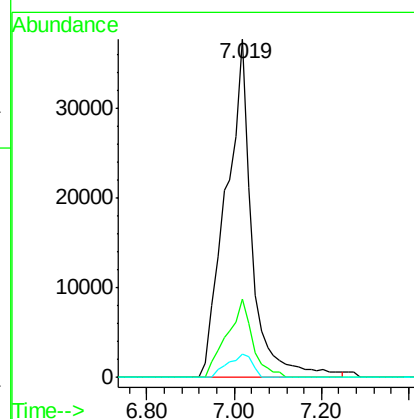
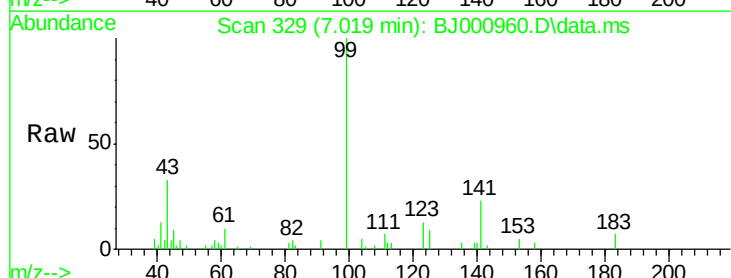
RT: 7.019 min Scan# 329

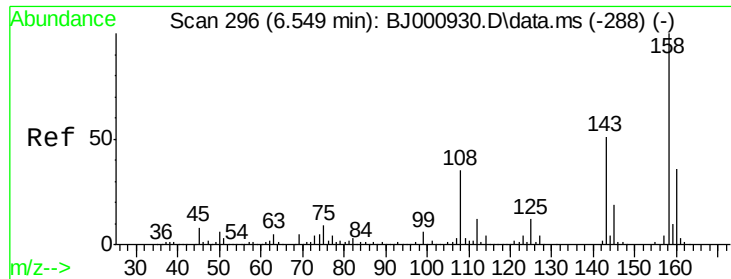
Delta R.T. 0.001 min

Lab File: BJ000960.D

Acq: 27 Jun 2012 14:32

Tgt Ion:	99	Resp:	156078
Ion Ratio	Lower	Upper	
99	100		
141	22.8	18.4	27.6
183	6.4	6.0	9.0





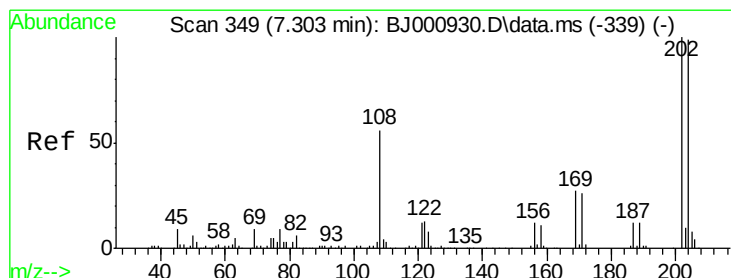
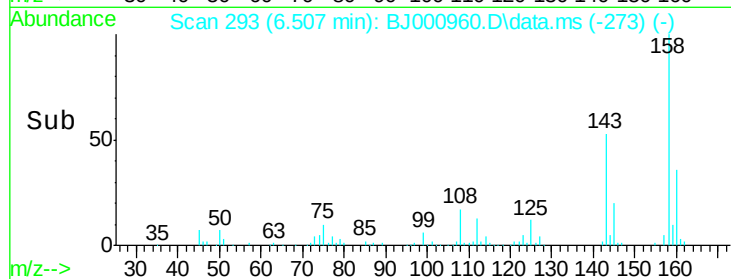
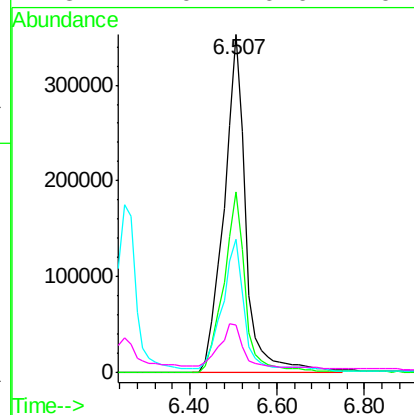
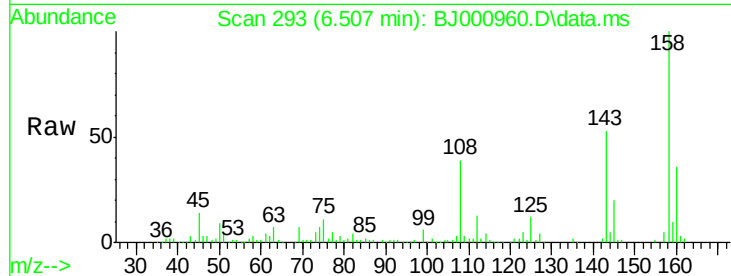
#11
p-Chlorophenylmethylsulfide
Concen: 8.92 ug/mL
RT: 6.507 min Scan# 29
Delta R.T. -0.013 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Instrument :
BNA_J
ClientSampleId :
PB63956BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1234404		
143	53.3	31.9	71.9	
108	39.5	15.8	55.8	
45	14.0	0.0	29.2	

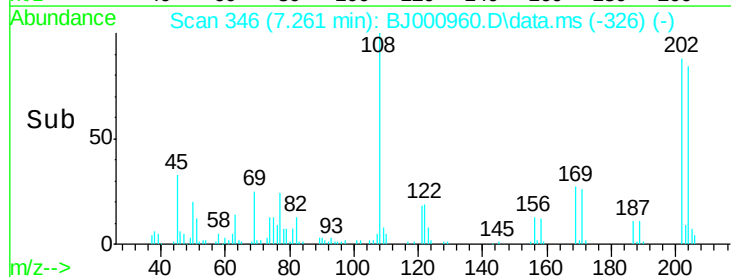
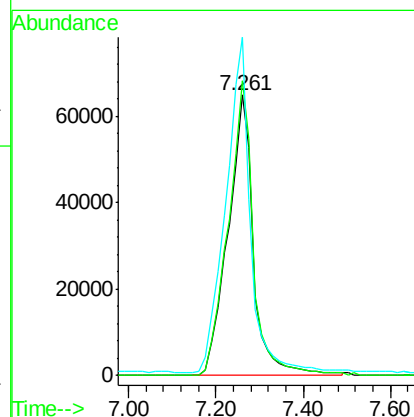
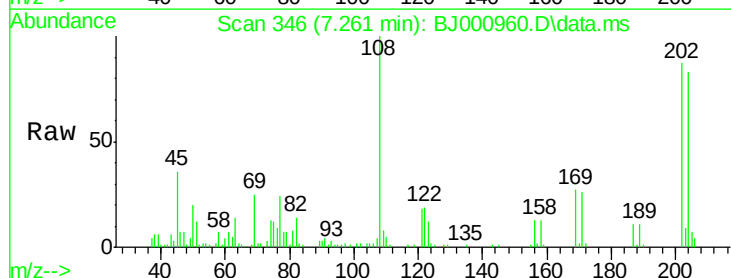
Manual Integrations
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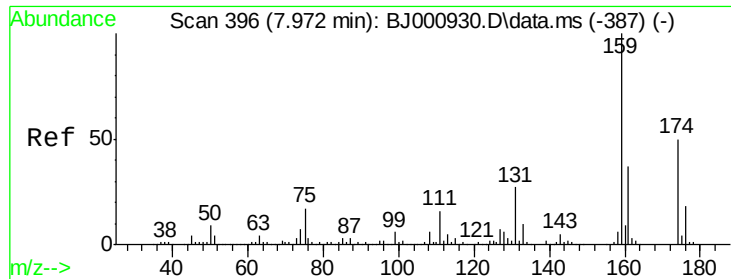
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#12
2-Bromothioanisole
Concen: 4.75 ug/mL
RT: 7.261 min Scan# 346
Delta R.T. -0.013 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	260048		
202	105.3	84.6	124.6	
108	120.6	48.1	88.1#	





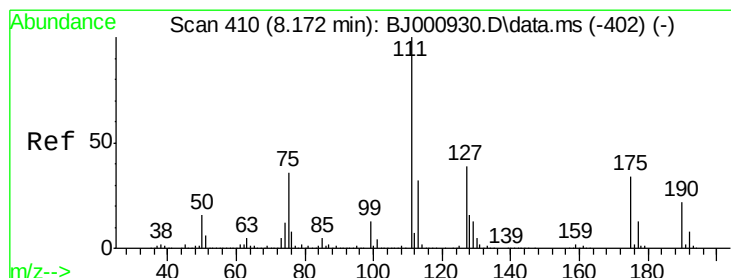
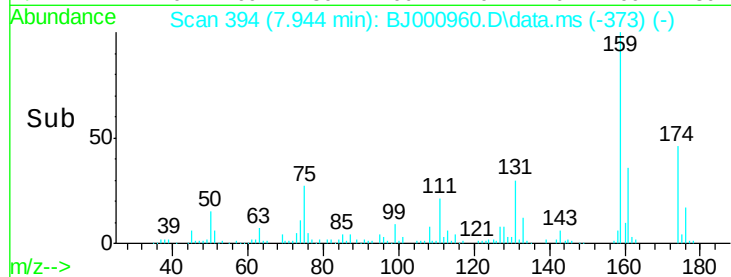
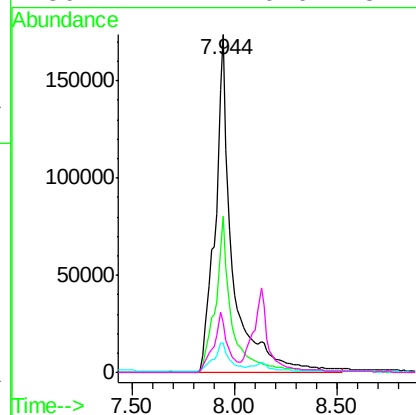
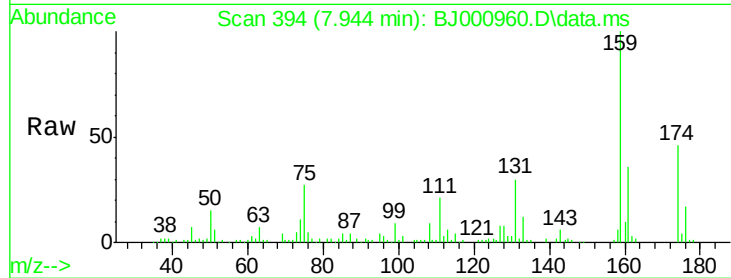
#13
p-Chlorophenylmethylsulfoxide
Concen: 12.12 ug/mL m
RT: 7.944 min Scan# 39
Delta R.T. 0.001 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Instrument :
BNA_J
ClientSampleId :
PB63956BS

Tgt Ion	Ratio	Lower	Upper
159	100		
174	40.9	26.0	66.0
108	7.4	0.0	28.6
50	14.1	0.0	37.3

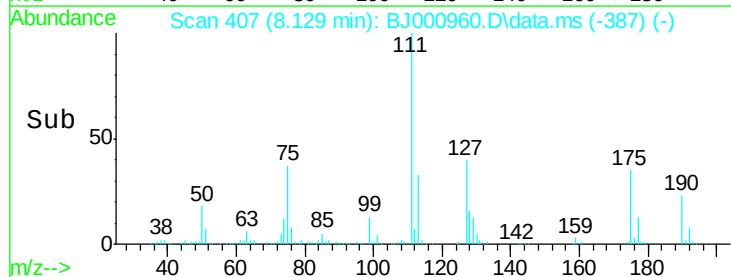
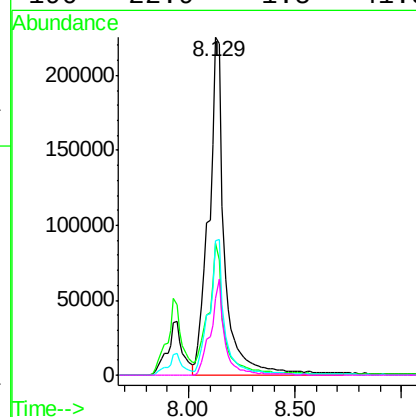
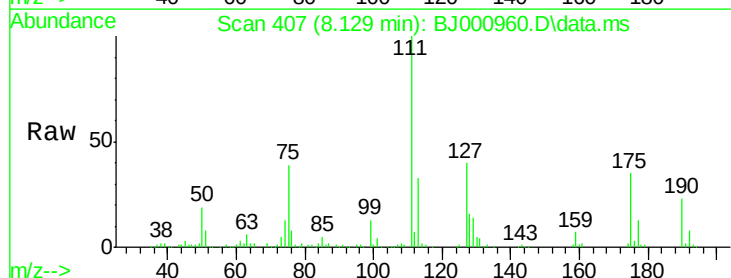
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 10.16 ug/mL m
RT: 8.129 min Scan# 407
Delta R.T. -0.013 min
Lab File: BJ000960.D
Acq: 27 Jun 2012 14:32

Tgt Ion	Ratio	Lower	Upper
111	100		
75	39.0	19.3	59.3
127	39.7	18.4	58.4
190	22.9	1.5	41.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ062712\
 Data File : BJ000960.D
 Acq On : 27 Jun 2012 14:32
 Operator : HLM
 Sample : PB63956BS
 Misc : WATER BNA_J HLM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB63956BS

Manual Integrations
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AHPatel
 7/10/2012 1:25:51 AM

Quant Time: Jul 02 07:21:35 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	4.671	152	191197	2.00	ug/mL	-0.01
6) Naphthalene-d8	5.966	136	802231	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.019	99	156078	0.50	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	100.00%	
12) 2-Bromothioanisole	7.261	204	260048	4.75	ug/mL	-0.01
Spiked Amount 5.000	Range 70 - 130		Recovery	=	95.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.721	94	214959m	3.31	ug/mL	
3) DMMP	3.546	79	139083	1.95	ug/mL	91
4) DIMP	4.941	97	670651	4.10	ug/mL#	89
5) 1,4-Oxathiane	3.689	46	348039	5.45	ug/mL	86
7) 1,4-Dithiane	5.112	46	262739	4.60	ug/mL	89
8) Thiodiglycol	5.895	61	1855414m	38.23	ug/mL	
9) Benzothiazole	6.265	135	2126514	9.65	ug/mL	92
11) p-Chlorophenylmethyisu...	6.507	158	1234404	8.92	ug/mL	95
13) p-Chlorophenylmethyisu...	7.944	159	1024107m	12.12	ug/mL	
14) p-Chlorophenylmethyisu...	8.129	111	1185784m	10.16	ug/mL	

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