

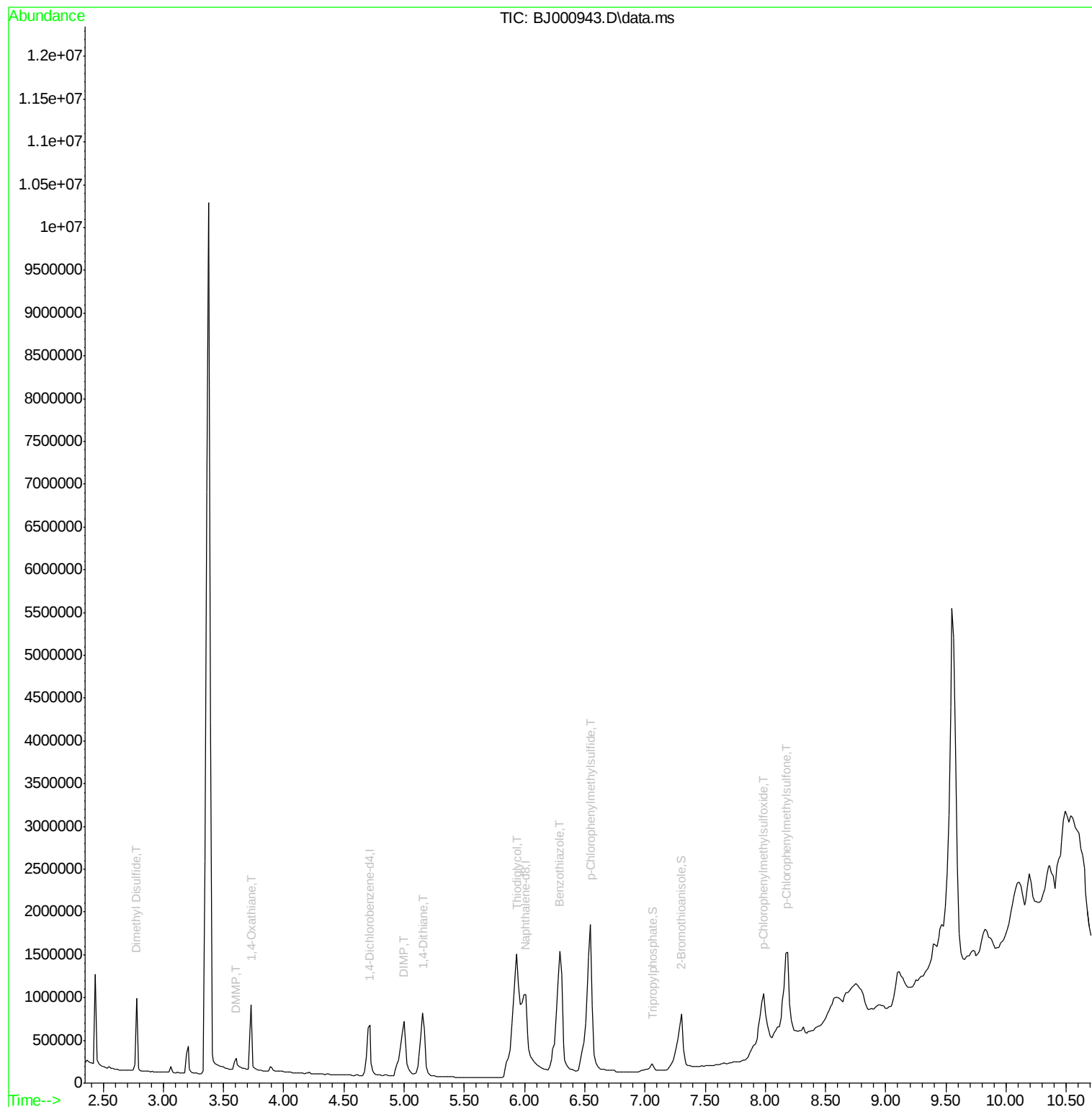
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000943.D
Acq On : 8 Jun 2012 18:19
Operator : HLM
Sample : PB63665BS
Misc : WATER BNA_J HLM
ALS Vial : 9 Sample Multiplier: 1

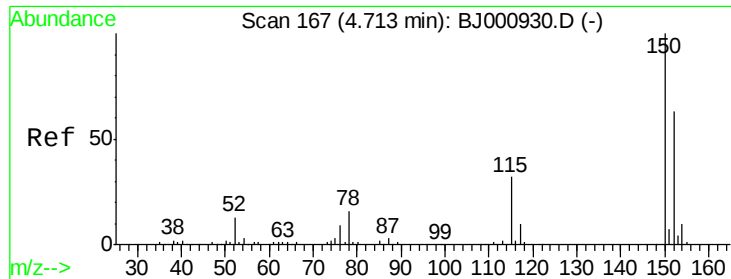
Instrument :
BNA_J
ClientSampleId :
PB63665BS

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:18 AM

Quant Time: Jun 13 07:47:08 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: 4.713 min Scan# 16

Delta R.T. -0.000 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

Instrument :

BNA_J

ClientSampleId :

PB63665BS

Tgt Ion:152 Resp: 262216

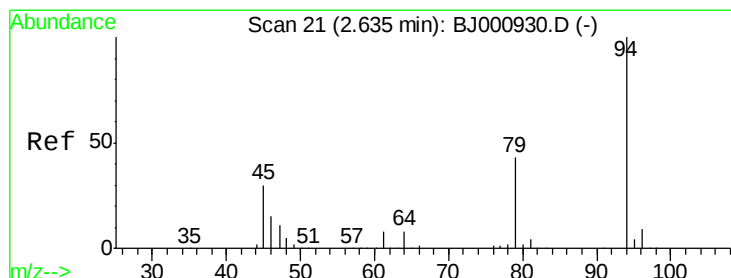
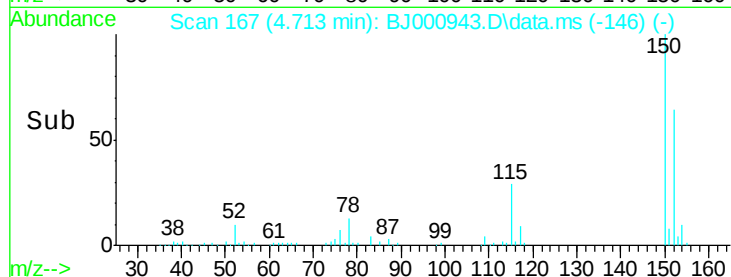
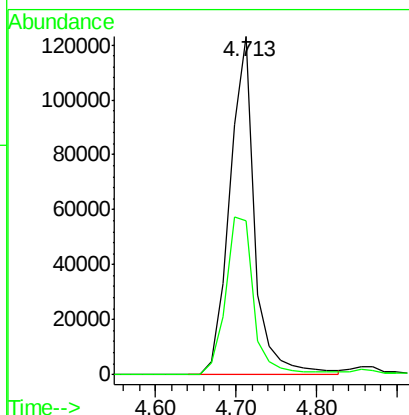
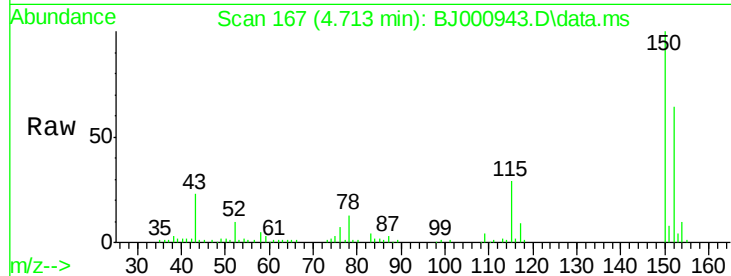
Ion Ratio Lower Upper

152 100

115 45.4 30.6 70.6

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 3.80 ug/mL

RT: 2.777 min Scan# 31

Delta R.T. 0.142 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

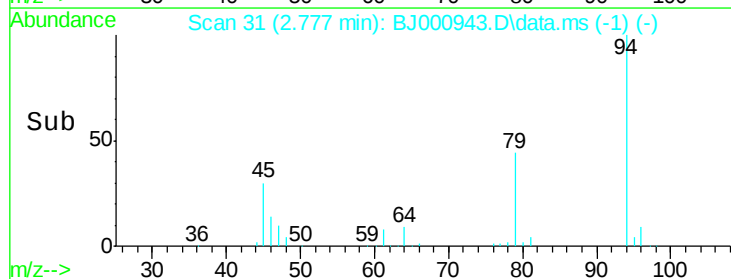
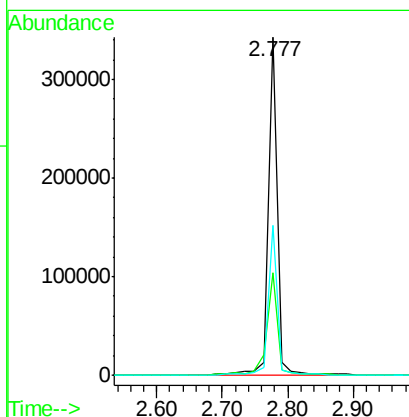
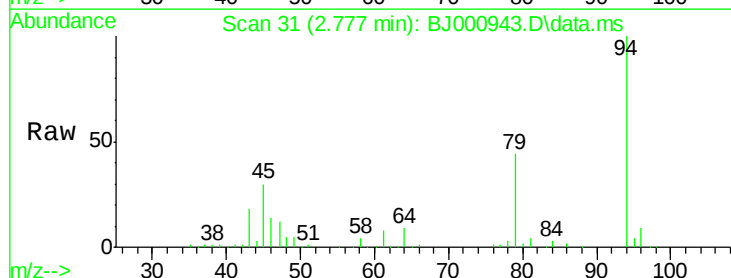
Tgt Ion: 94 Resp: 338136

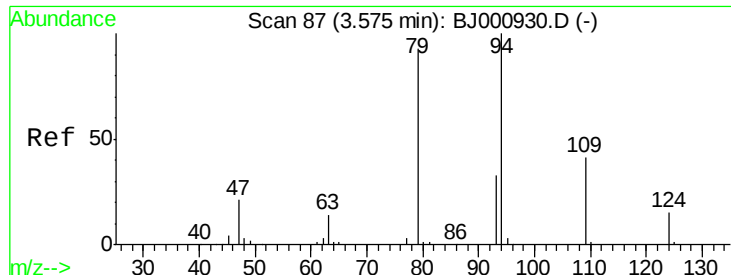
Ion Ratio Lower Upper

94 100

45 30.4 11.1 51.1

79 44.3 22.9 62.9





#3

DMMP

Concen: 1.36 ug/mL

RT: 3.603 min Scan# 89

Delta R.T. 0.029 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

Instrument :

BNA_J

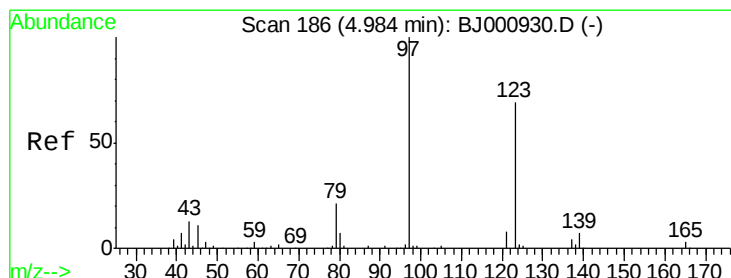
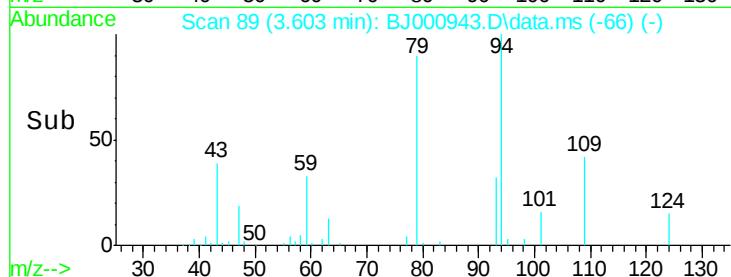
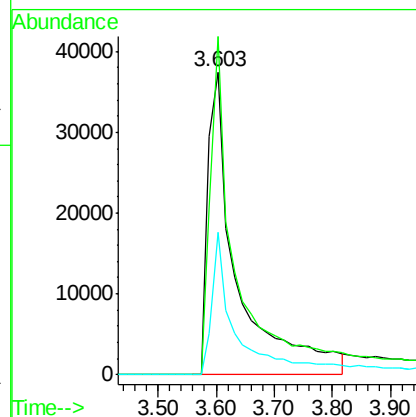
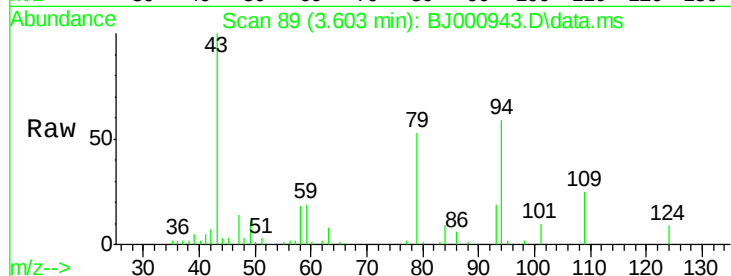
ClientSampleId :

PB63665BS

Tgt Ion:	79	Resp:	131423
Ion Ratio	Lower	Upper	
79	100		
94	111.7	87.0	127.0
109	46.9	24.1	64.1

Manual Integrations
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6/14/2012 12:45:18 AM



#4

DIMP

Concen: 3.43 ug/mL

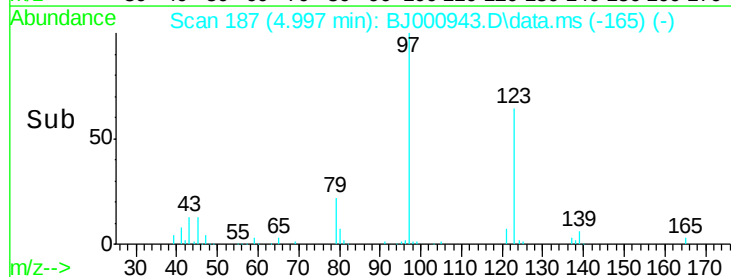
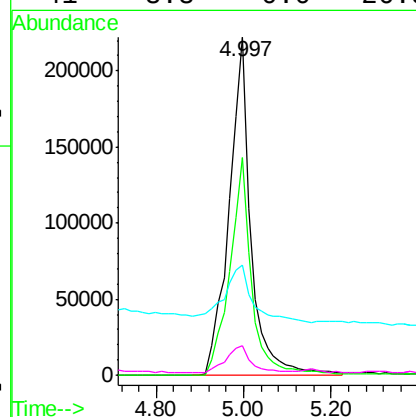
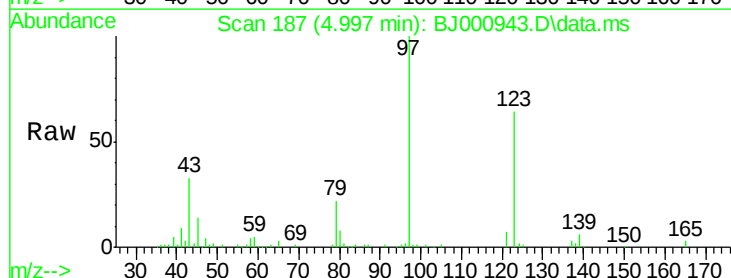
RT: 4.997 min Scan# 187

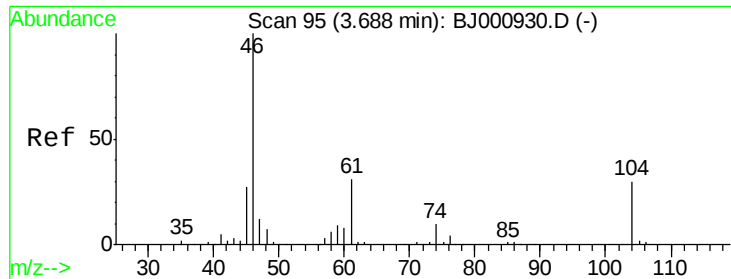
Delta R.T. 0.014 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

Tgt Ion:	97	Resp:	769329
Ion Ratio	Lower	Upper	
97	100		
123	64.2	49.1	89.1
43	32.8	0.0	33.2
41	8.8	0.0	26.5





#5

1,4-Oxathiane

Concen: 3.05 ug/mL

RT: 3.731 min Scan# 98

Delta R.T. 0.042 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

Instrument :

BNA_J

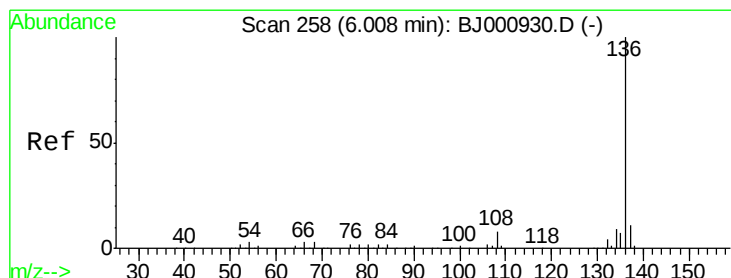
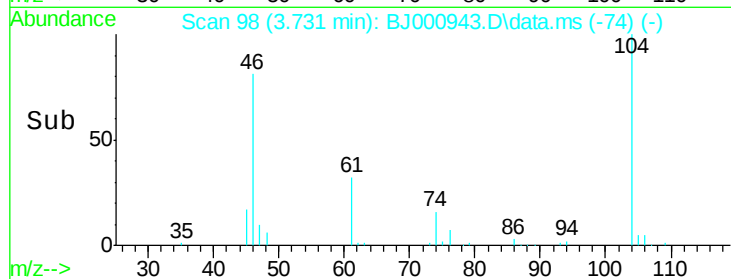
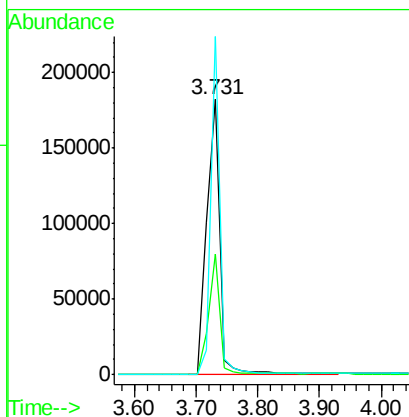
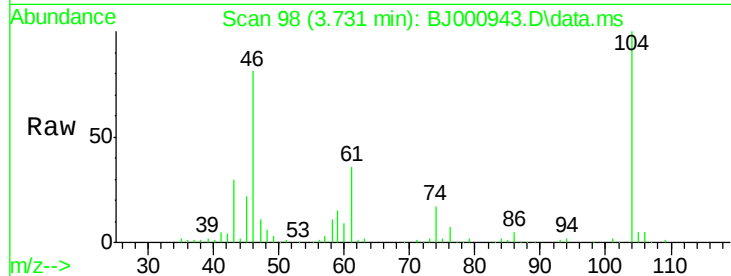
ClientSampleId :

PB63665BS

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	266963		
61	44.1		11.2	51.2
104	123.0		10.0	50.0#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

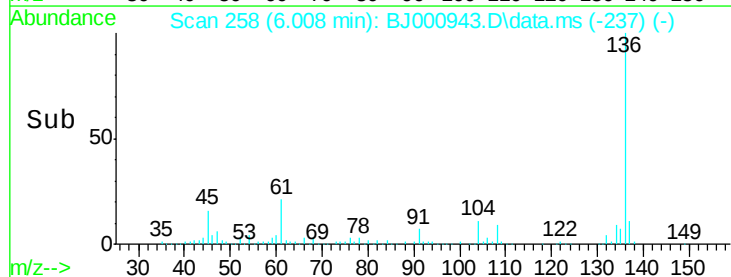
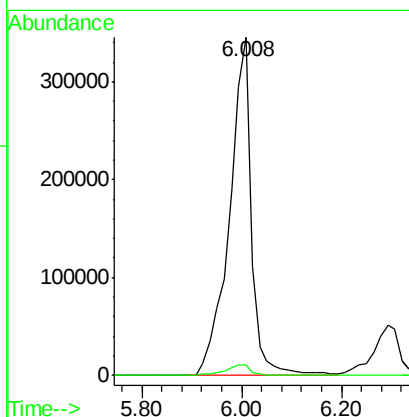
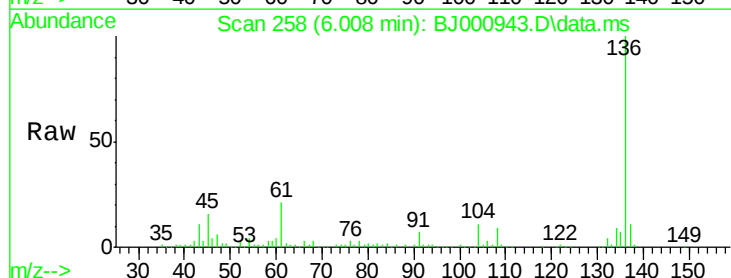
RT: 6.008 min Scan# 258

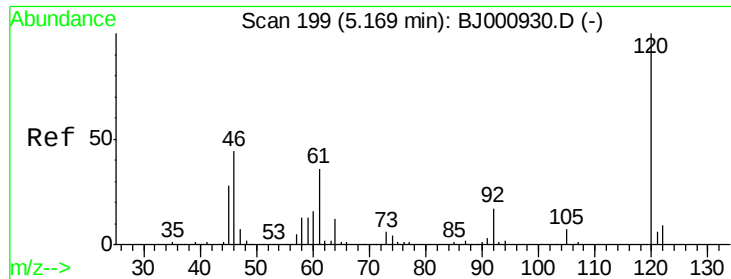
Delta R.T. -0.000 min

Lab File: BJ000943.D

Acq: 8 Jun 2012 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	1060771		
68	3.0		0.0	22.7





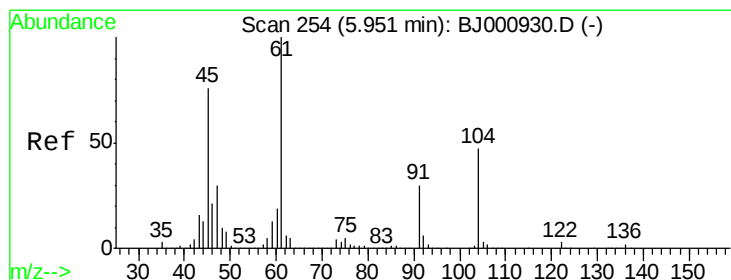
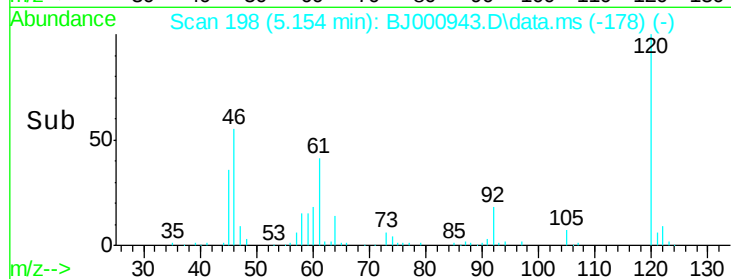
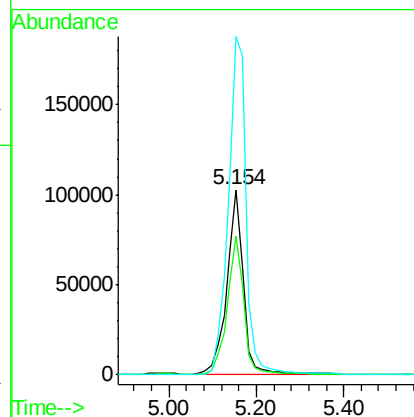
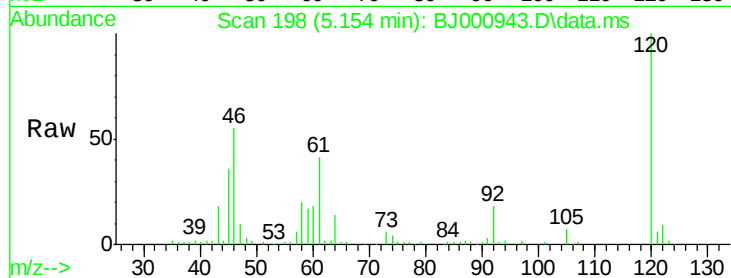
#7
 1,4-Dithiane
 Concen: 3.60 ug/mL
 RT: 5.154 min Scan# 19
 Delta R.T. -0.015 min
 Lab File: BJ000943.D
 Acq: 8 Jun 2012 18:19

Instrument :
 BNA_J
 ClientSampleId :
 PB63665BS

Tgt Ion: 46 Resp: 272034
 Ion Ratio Lower Upper
 46 100
 61 74.5 61.9 101.9
 120 182.7 208.1 248.1#

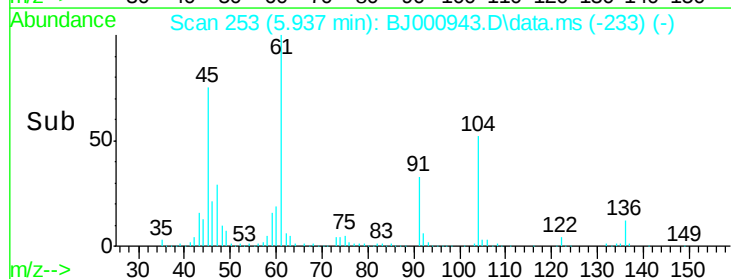
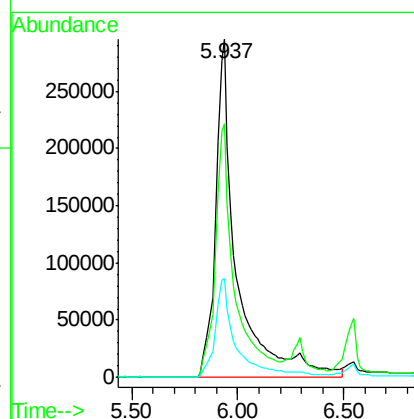
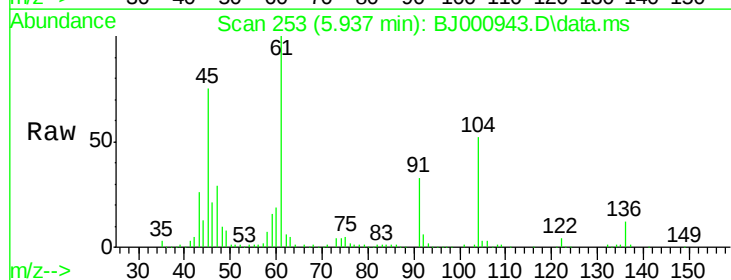
Manual Integrations
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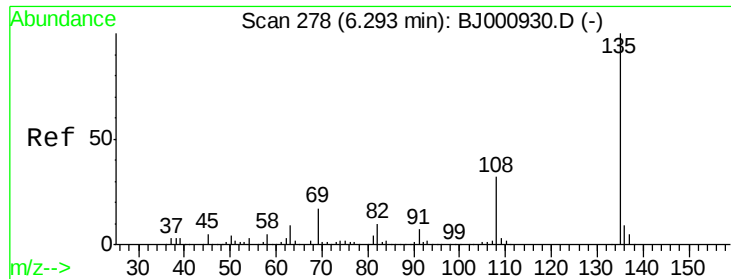
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 6/14/2012 12:45:18 AM



#8
 Thiodiglycol
 Concen: 32.27 ug/mL m
 RT: 5.937 min Scan# 253
 Delta R.T. -0.014 min
 Lab File: BJ000943.D
 Acq: 8 Jun 2012 18:19

Tgt Ion: 61 Resp: 2031803
 Ion Ratio Lower Upper
 61 100
 45 75.0 56.3 96.3
 47 29.3 10.1 50.1





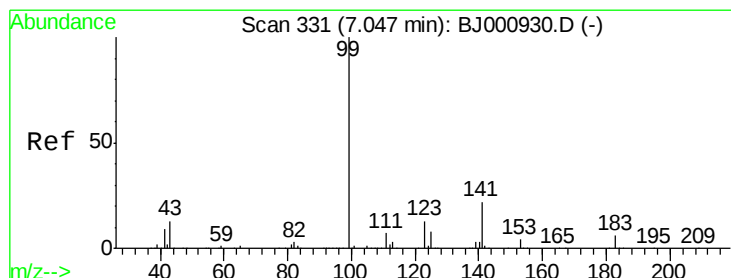
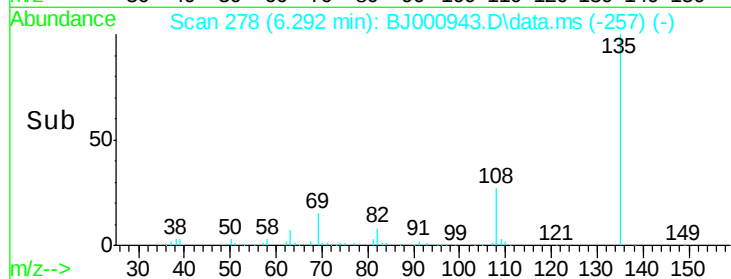
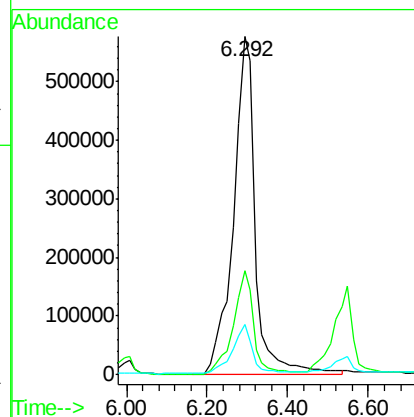
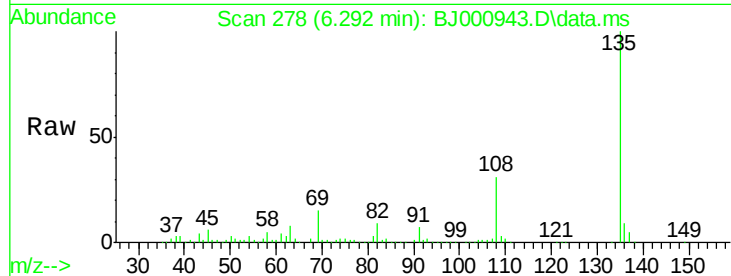
#9
Benzothiazole
Concen: 7.40 ug/mL
RT: 6.292 min Scan# 27
Delta R.T. -0.000 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Instrument :
BNA_J
ClientSampleId :
PB63665BS

Tgt Ion	Ratio	Resp	Lower	Upper
135	100	2155629		
108	30.6	12.0	52.0	
69	14.8	0.0	36.6	

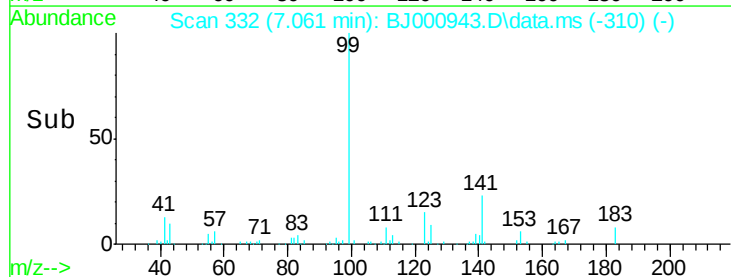
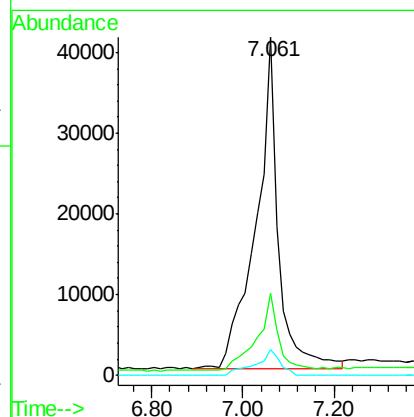
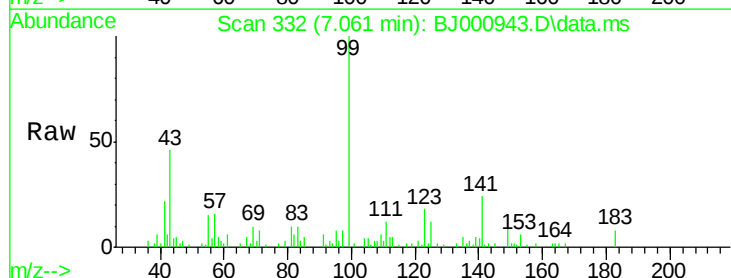
Manual Integrations
APPROVED

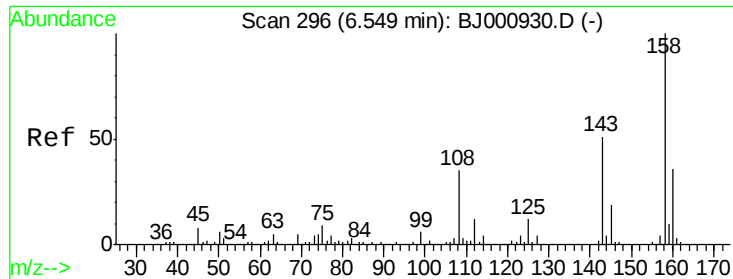
AHPatel
6/14/2012 12:45:18 AM



#10
Tripropylphosphate
Concen: 0.34 ug/mL
RT: 7.061 min Scan# 332
Delta R.T. 0.014 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	140965		
141	23.0	18.5	27.7	
183	8.3	5.8	8.8	





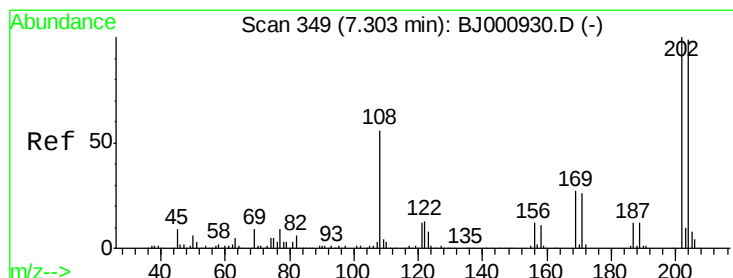
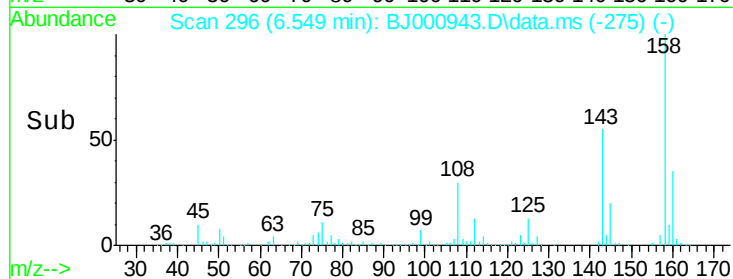
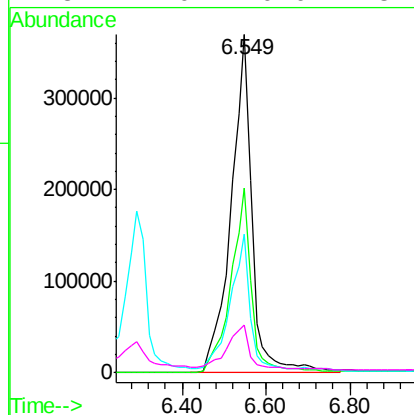
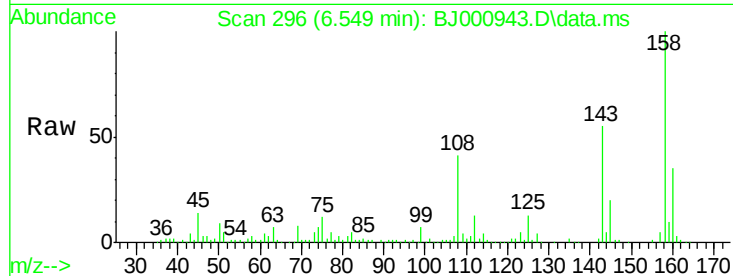
#11
p-Chlorophenylmethylsulfide
Concen: 7.03 ug/mL
RT: 6.549 min Scan# 29
Delta R.T. -0.000 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Instrument :
BNA_J
ClientSampleId :
PB63665BS

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	1285667		
143	54.6		31.3	71.3
108	41.0		14.9	54.9
45	14.0		0.0	28.5

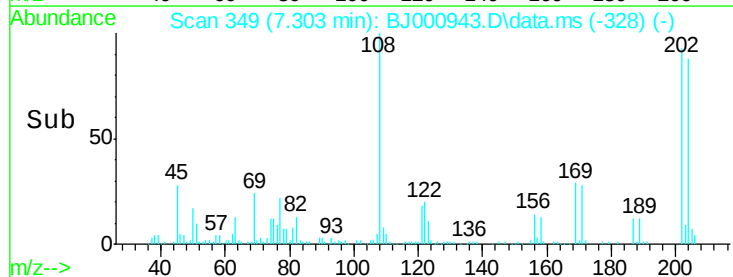
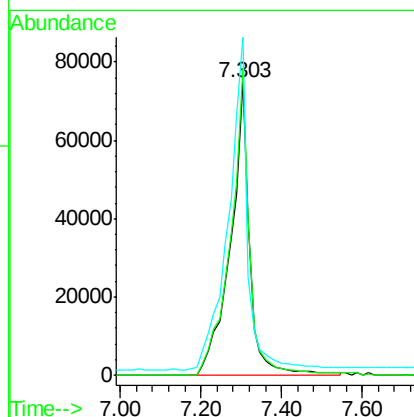
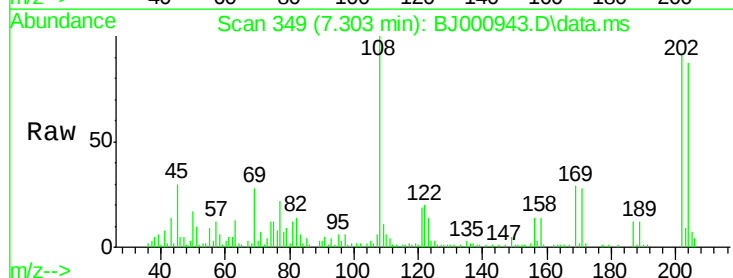
Manual Integrations
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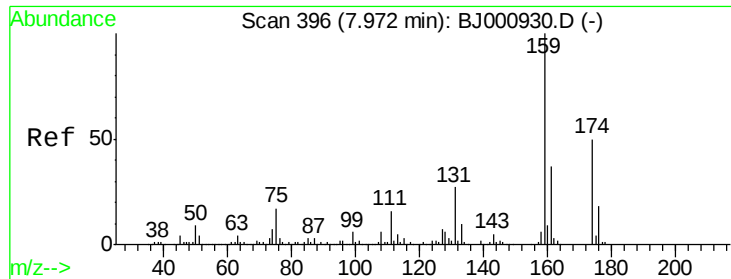
AHPatel
6/14/2012 12:45:18 AM



#12
2-Bromothioanisole
Concen: 3.41 ug/mL
RT: 7.303 min Scan# 349
Delta R.T. -0.000 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	246815		
202	105.1		81.4	121.4
108	115.4		37.1	77.1#





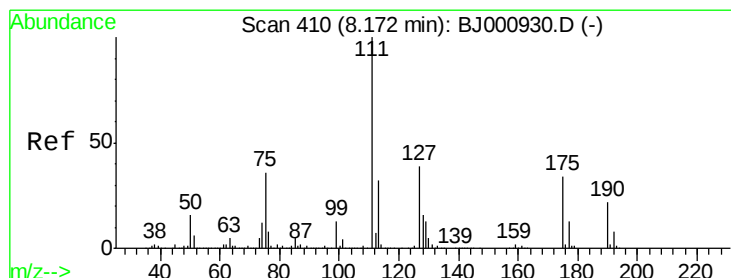
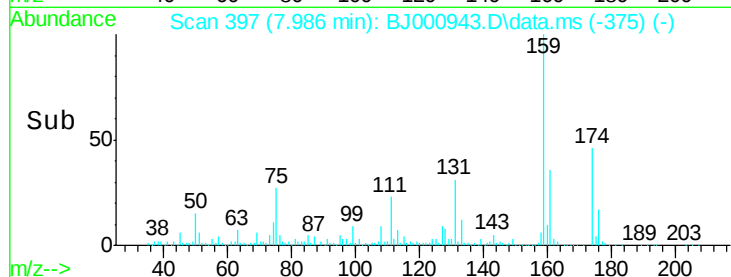
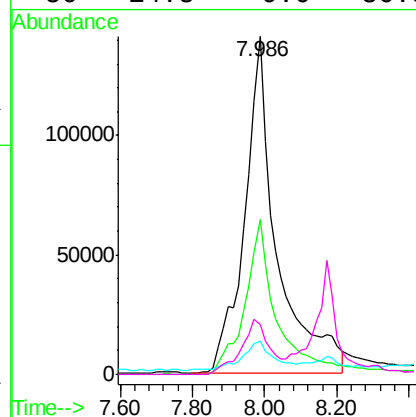
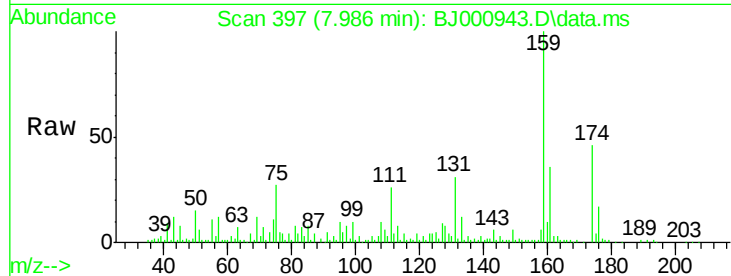
#13
p-Chlorophenylmethylsulfoxide
Concen: 8.02 ug/mL
RT: 7.986 min Scan# 39
Delta R.T. 0.014 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Instrument :
BNA_J
ClientSampleId :
PB63665BS

Tgt Ion:	159	Resp:	847975
Ion Ratio	Lower	Upper	
159	100		
174	45.0	27.0	67.0
108	8.4	0.0	28.3
50	14.8	0.0	36.8

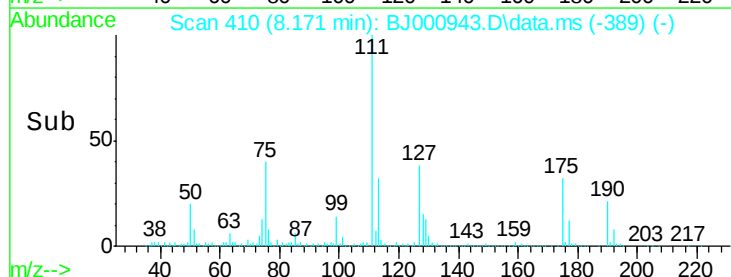
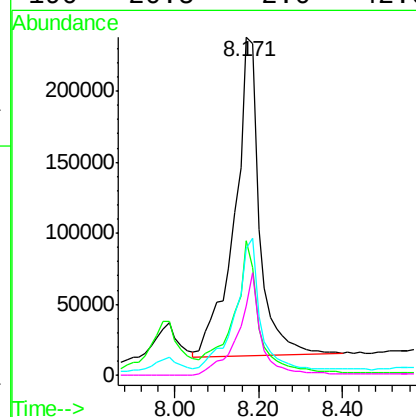
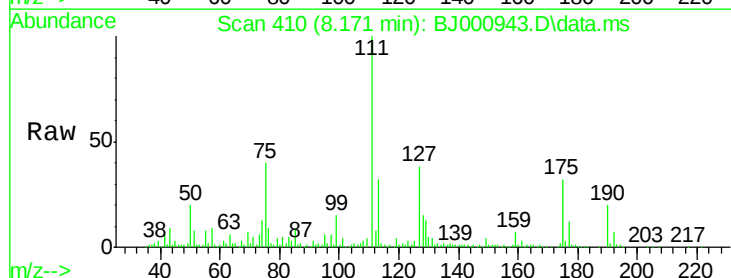
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#14
p-Chlorophenylmethylsulfone
Concen: 6.03 ug/mL
RT: 8.171 min Scan# 410
Delta R.T. -0.000 min
Lab File: BJ000943.D
Acq: 8 Jun 2012 18:19

Tgt Ion:	111	Resp:	931465
Ion Ratio	Lower	Upper	
111	100		
75	39.9	16.5	56.5
127	37.6	19.3	59.3
190	20.5	2.0	42.0



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000943.D
 Acq On : 8 Jun 2012 18:19
 Operator : HLM
 Sample : PB63665BS
 Misc : WATER BNA_J HLM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB63665BS

Manual Integrations
 APPROVED

AHPatel
 6/14/2012 12:45:18 AM

Quant Time: Jun 13 07:47:08 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	4.713	152	262216	2.00	ug/mL	0.00
6) Naphthalene-d8	6.008	136	1060771	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.061	99	140965	0.34	ug/mL	0.01
Spiked Amount 0.500	Range 70 - 130		Recovery	=	68.00%#	
12) 2-Bromothioanisole	7.303	204	246815	3.41	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	68.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.777	94	338136	3.80	ug/mL	98
3) DMMP	3.603	79	131423	1.36	ug/mL	96
4) DIMP	4.997	97	769329	3.43	ug/mL	88
5) 1,4-Oxathiane	3.731	46	266963	3.05	ug/mL#	4
7) 1,4-Dithiane	5.154	46	272034	3.60	ug/mL#	78
8) Thiodiglycol	5.937	61	2031803m	32.27	ug/mL	
9) Benzothiazole	6.292	135	2155629	7.40	ug/mL	97
11) p-Chlorophenylmethyisu...	6.549	158	1285667	7.03	ug/mL	92
13) p-Chlorophenylmethyisu...	7.986	159	847975	8.02	ug/mL	97
14) p-Chlorophenylmethyisu...	8.171	111	931465	6.03	ug/mL	96

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