

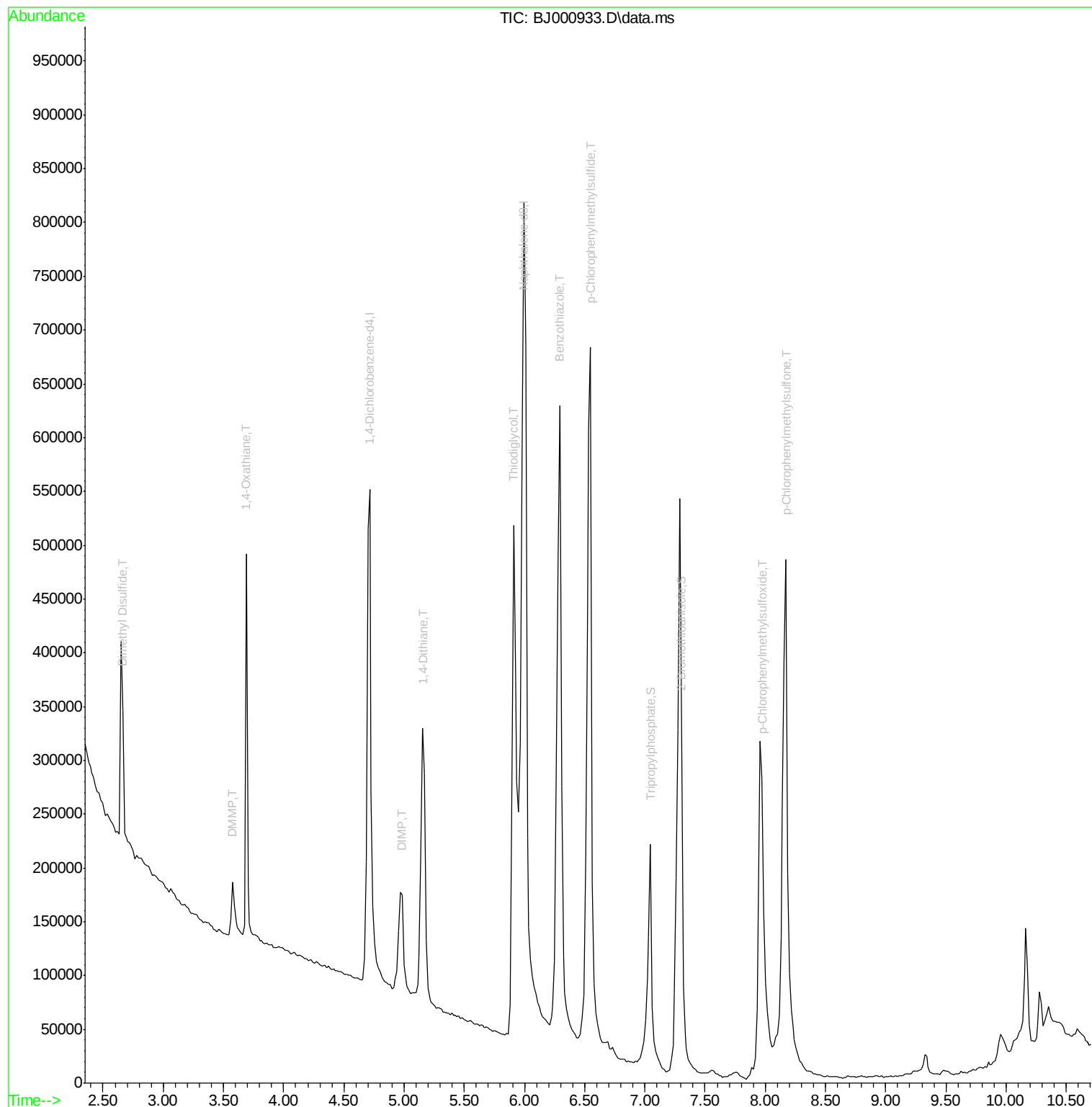
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000933.D
Acq On : 8 Jun 2012 14:02
Operator : HLM
Sample : CWA-3
Misc : BNA_J HLM
ALS Vial : 5 Sample Multiplier: 1

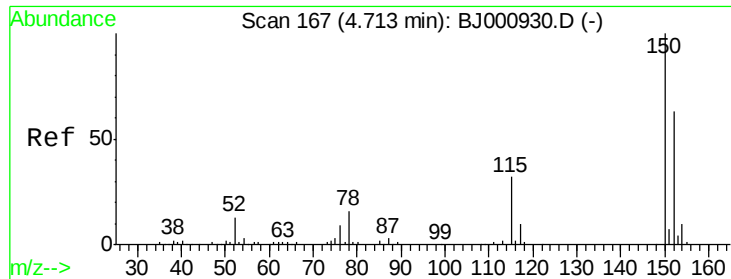
Instrument :
BNA_J
ClientSampleId :
CWA-3

Manual Integrations
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6/14/2012 12:45:07 AM

Quant Time: Jun 13 07:45:57 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Jun 08 15:35:00 2012
Response via : Initial Calibration





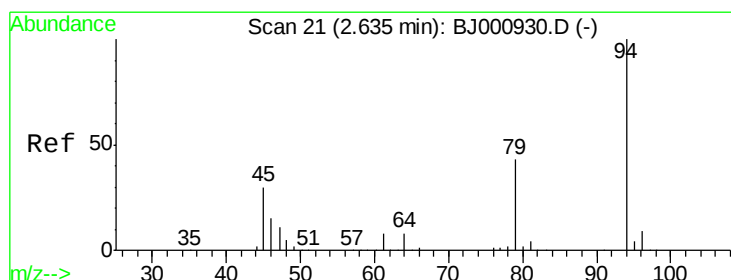
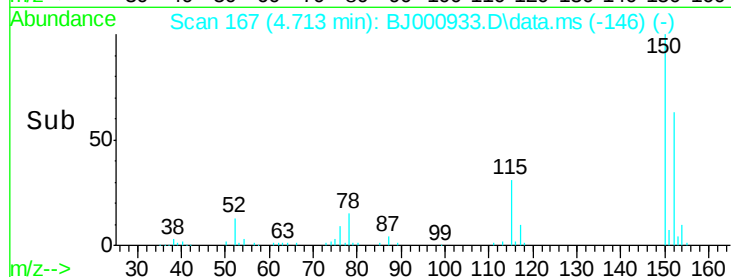
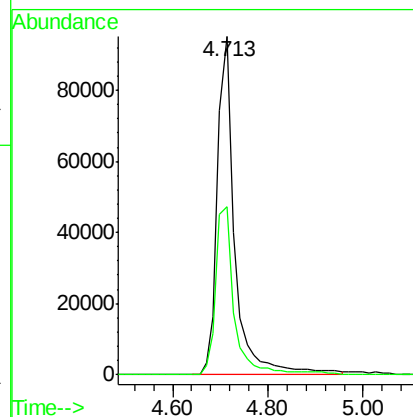
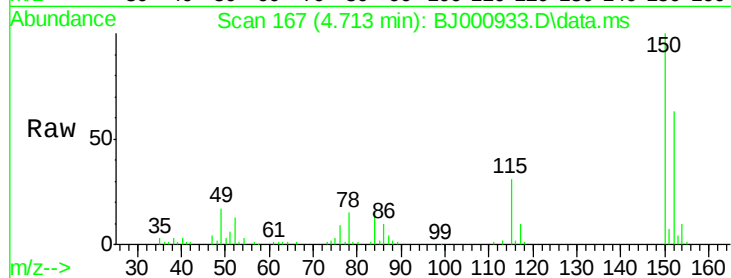
#1
 1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.713 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BJ000933.D
 Acq: 8 Jun 2012 14:02

Instrument :
 BNA_J
 ClientSampleId :
 CWA-3

Tgt Ion: 152 Resp: 239997
 Ion Ratio Lower Upper
 152 100
 115 49.6 30.6 70.6

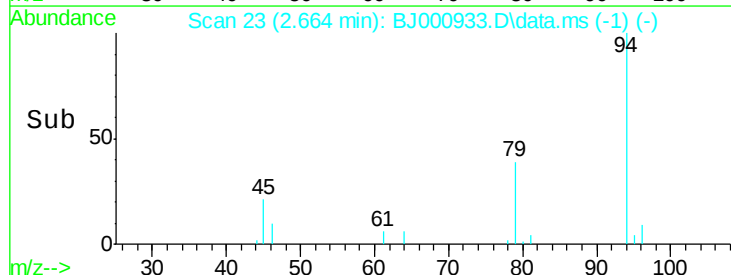
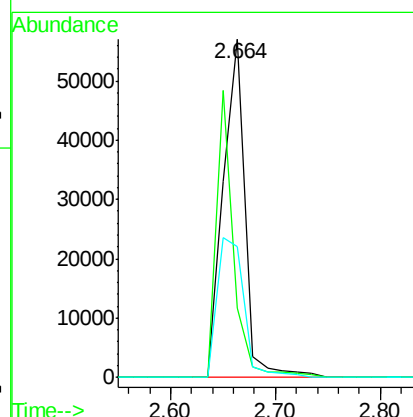
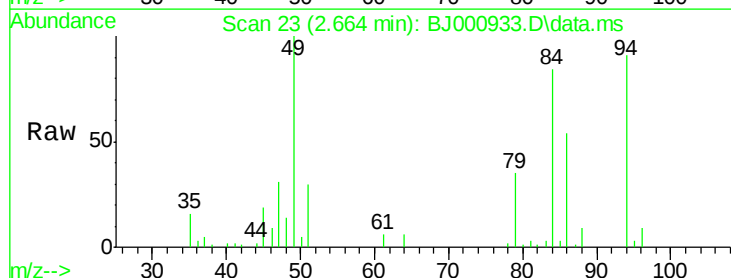
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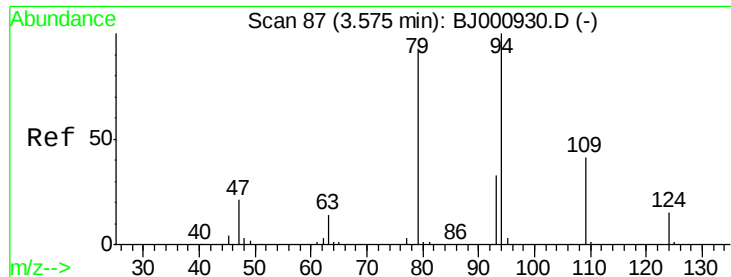
AHPatel
 6/14/2012 12:45:07 AM



#2
 Dimethyl Disulfide
 Concen: 0.95 ug/mL
 RT: 2.664 min Scan# 23
 Delta R.T. 0.029 min
 Lab File: BJ000933.D
 Acq: 8 Jun 2012 14:02

Tgt Ion: 94 Resp: 83568
 Ion Ratio Lower Upper
 94 100
 45 20.6 11.1 51.1
 79 38.5 22.9 62.9





#3

DMMP

Concen: 0.58 ug/mL

RT: 3.575 min Scan# 87

Delta R.T. 0.000 min

Lab File: BJ000933.D

Acq: 8 Jun 2012 14:02

Instrument :

BNA_J

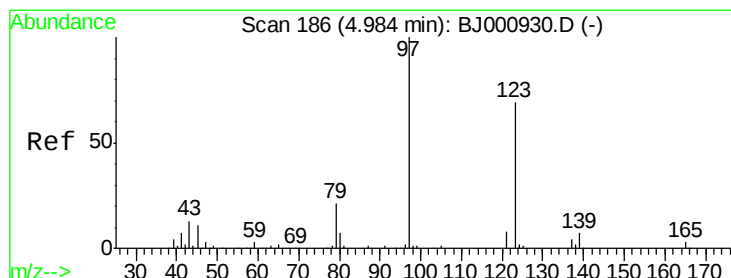
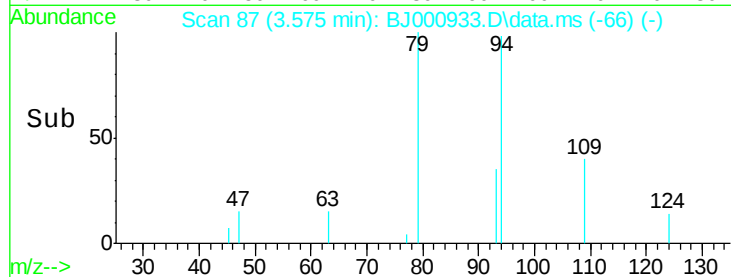
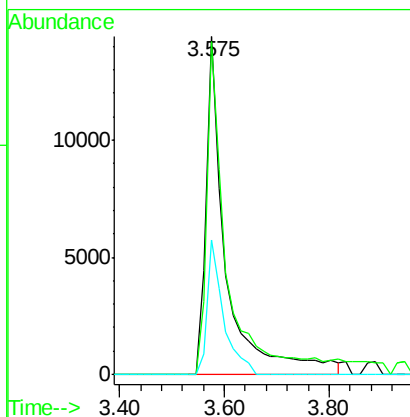
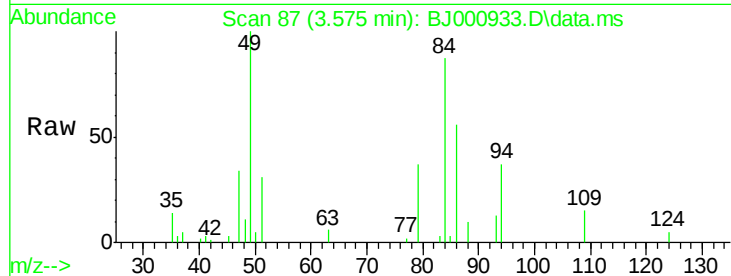
ClientSampled :

CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	38433		
94	98.4	87.0	127.0	
109	39.7	24.1	64.1	

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#4

DIMP

Concen: 0.50 ug/mL

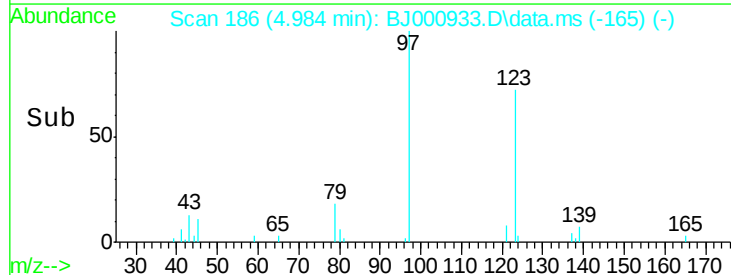
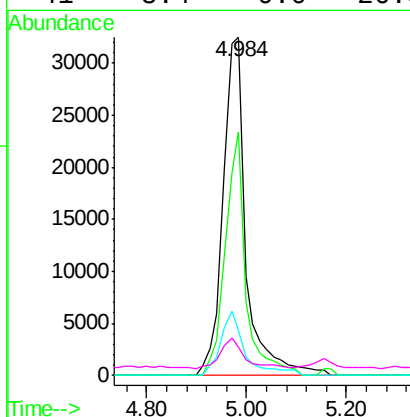
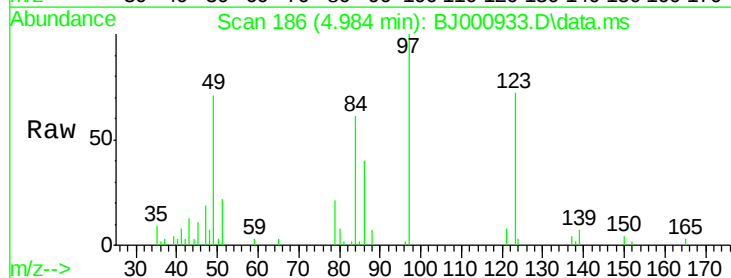
RT: 4.984 min Scan# 186

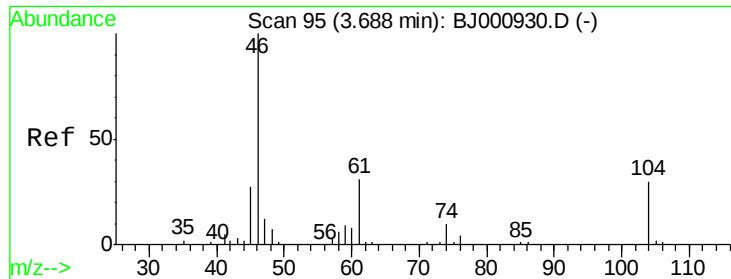
Delta R.T. 0.000 min

Lab File: BJ000933.D

Acq: 8 Jun 2012 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	103714		
123	72.1	49.1	89.1	
43	13.3	0.0	33.2	
41	8.4	0.0	26.5	





#5

1,4-Oxathiane

Concen: 1.35 ug/mL

RT: 3.689 min Scan# 95

Delta R.T. 0.000 min

Lab File: BJ000933.D

Acq: 8 Jun 2012 14:02

Instrument :

BNA_J

ClientSampled :

CWA-3

Tgt Ion: 46 Resp: 115048

Ion Ratio Lower Upper

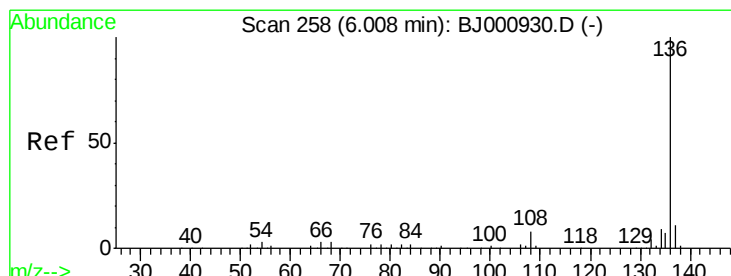
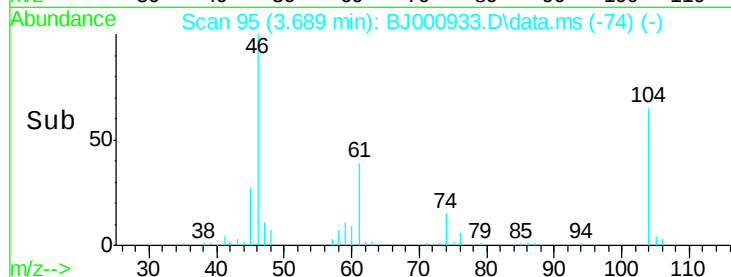
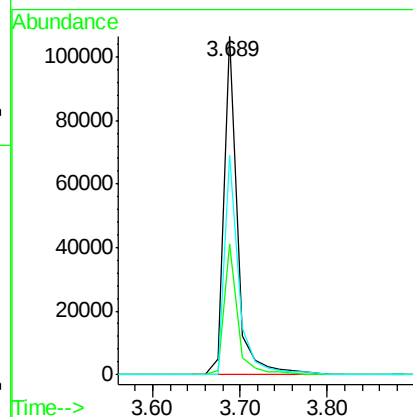
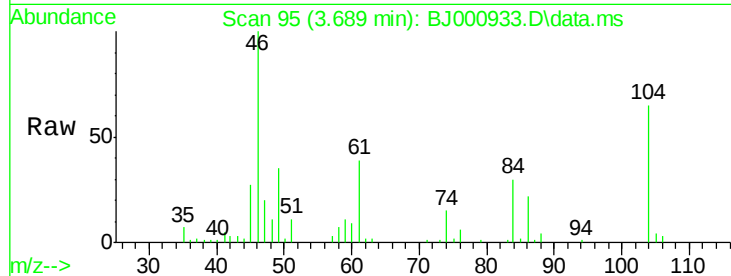
46 100

61 38.7 11.2 51.2

104 64.7 10.0 50.0#

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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.994 min Scan# 257

Delta R.T. -0.014 min

Lab File: BJ000933.D

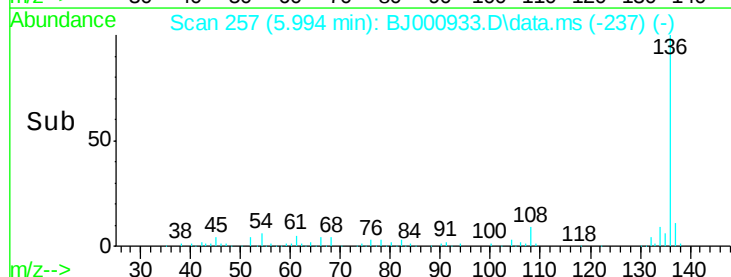
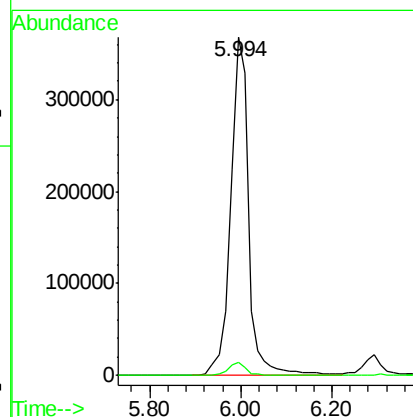
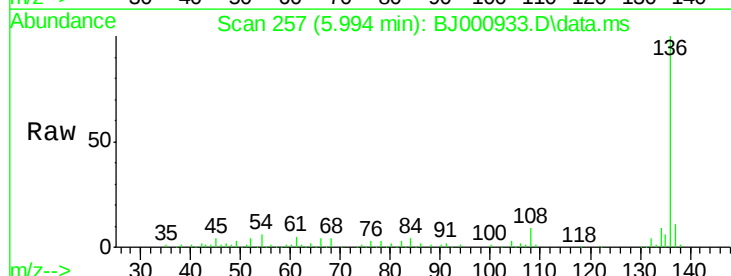
Acq: 8 Jun 2012 14:02

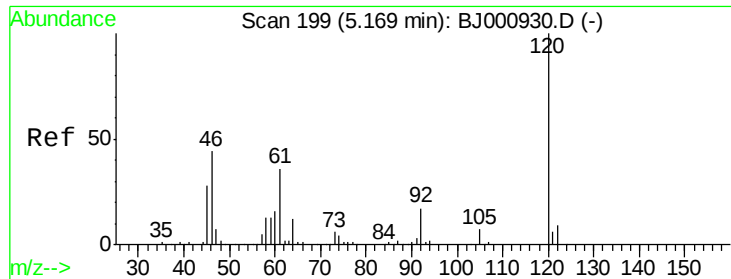
Tgt Ion: 136 Resp: 1014734

Ion Ratio Lower Upper

136 100

68 3.8 0.0 22.7





#7

1,4-Dithiane

Concen: 1.34 ug/mL

RT: 5.155 min Scan# 19

Delta R.T. -0.014 min

Lab File: BJ000933.D

Acq: 8 Jun 2012 14:02

Instrument :

BNA_J

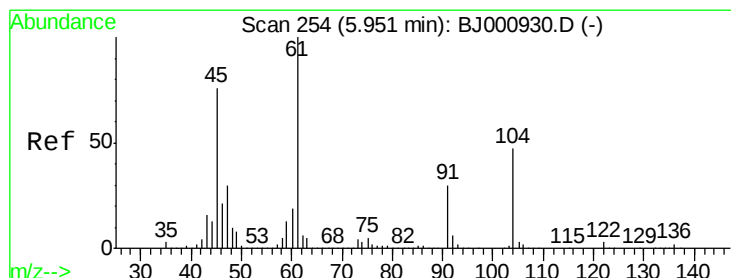
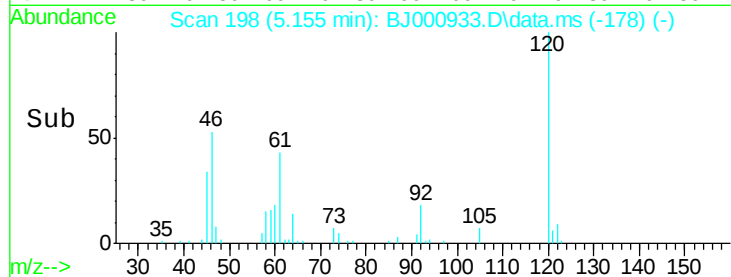
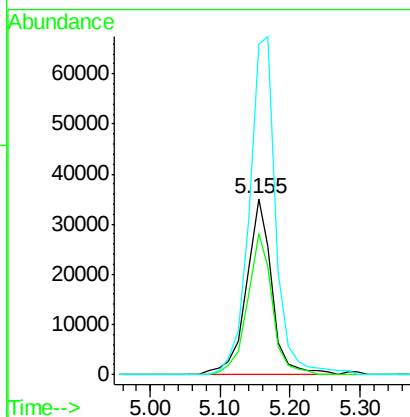
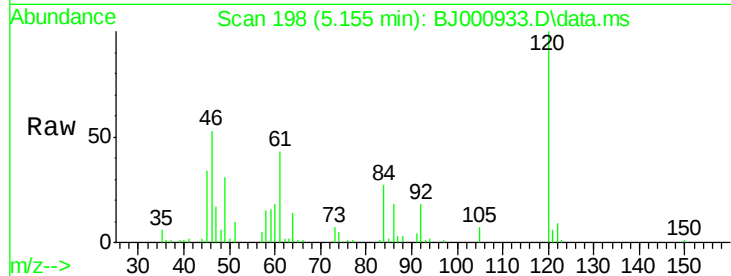
ClientSampleId :

CWA-3

Tgt Ion	Ratio	Lower	Upper
46	100		
61	80.1	61.9	101.9
120	187.8	208.1	248.1

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#8

Thiodiglycol

Concen: 9.39 ug/mL m

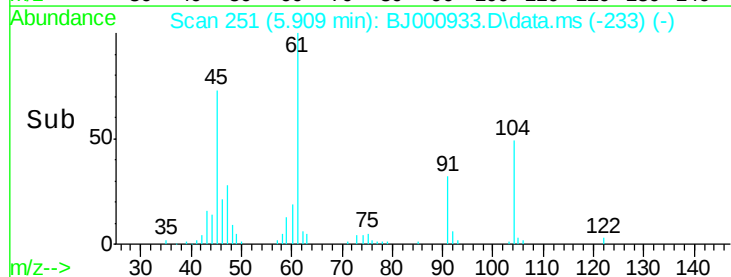
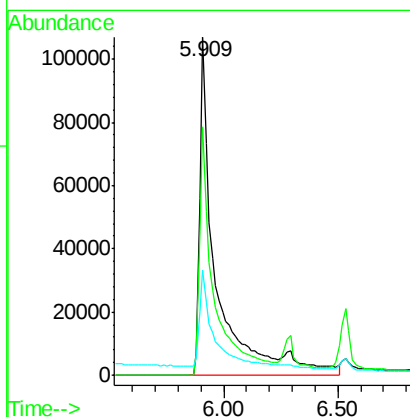
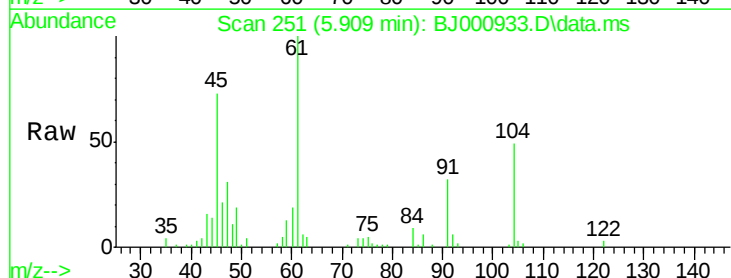
RT: 5.909 min Scan# 251

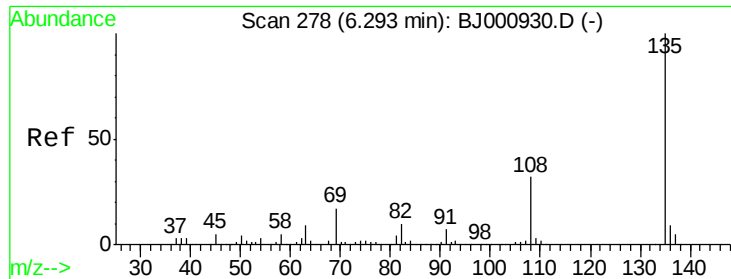
Delta R.T. -0.042 min

Lab File: BJ000933.D

Acq: 8 Jun 2012 14:02

Tgt Ion	Ratio	Lower	Upper
61	100		
45	73.4	56.3	96.3
47	31.2	10.1	50.1





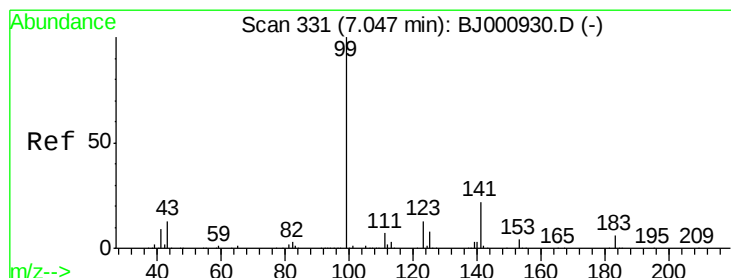
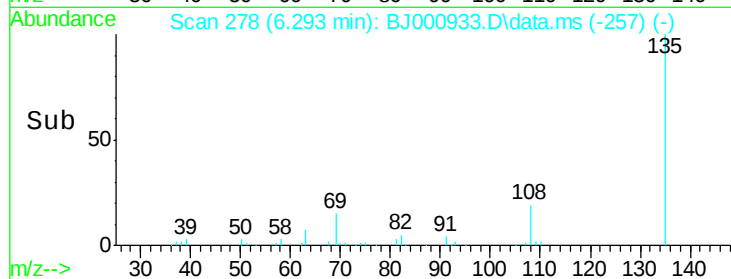
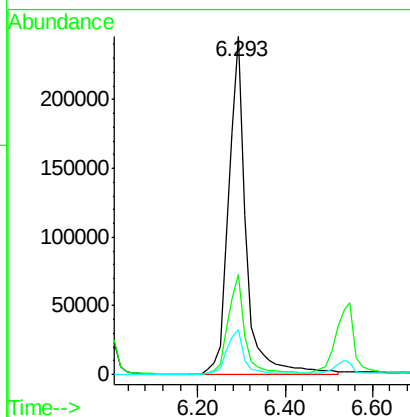
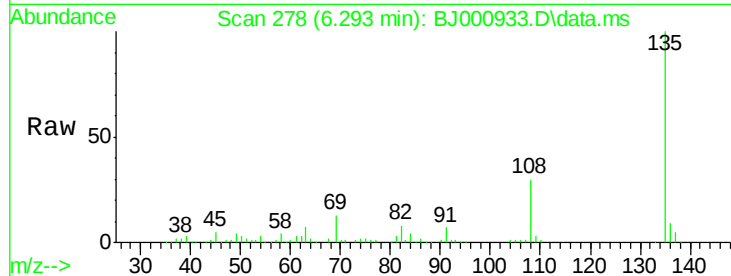
#9
Benzothiazole
Concen: 2.66 ug/mL
RT: 6.293 min Scan# 27
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Instrument :
BNA_J
ClientSampleId :
CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
135	100	671755		
108	29.7	12.0	52.0	
69	13.5	0.0	36.6	

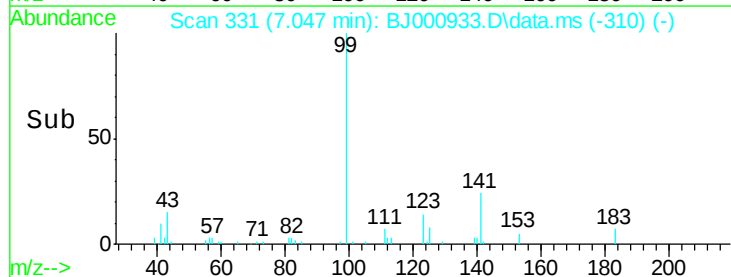
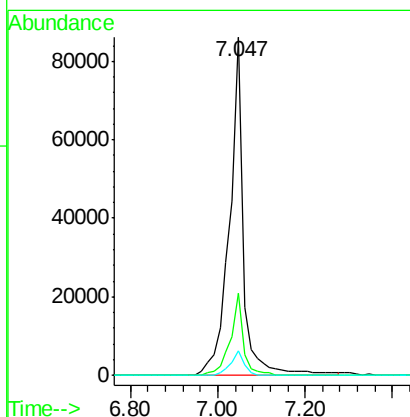
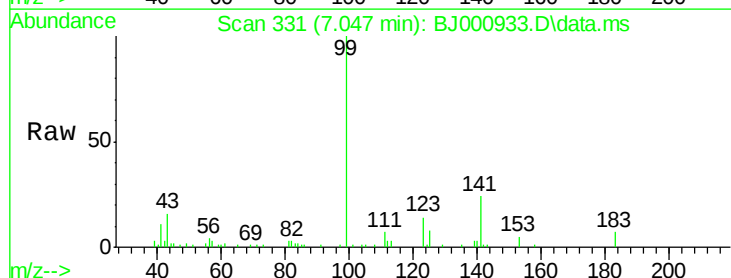
Manual Integrations
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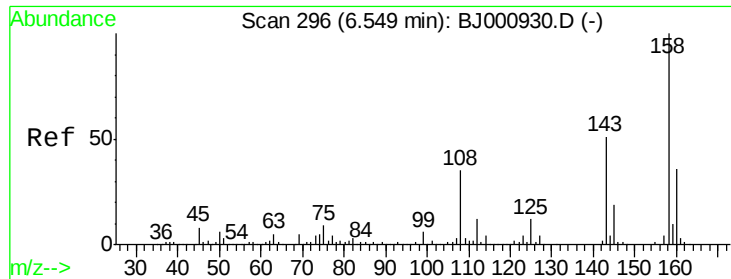
AHPatel
6/14/2012 12:45:07 AM



#10
Tripropylphosphate
Concen: 0.56 ug/mL
RT: 7.047 min Scan# 331
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	192518		
141	22.4	18.5	27.7	
183	6.6	5.8	8.8	





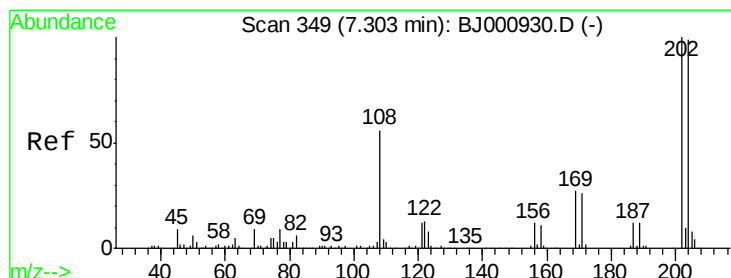
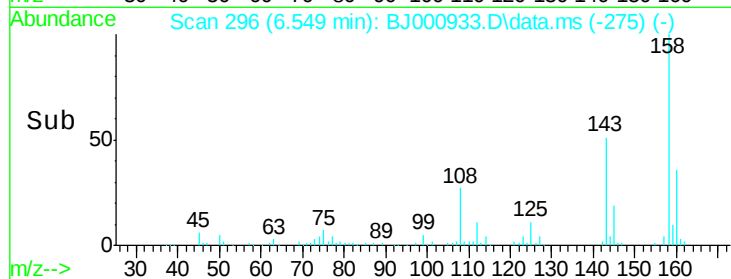
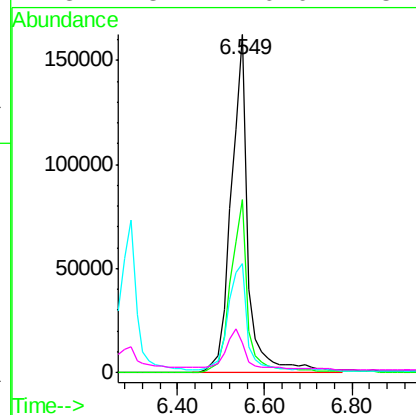
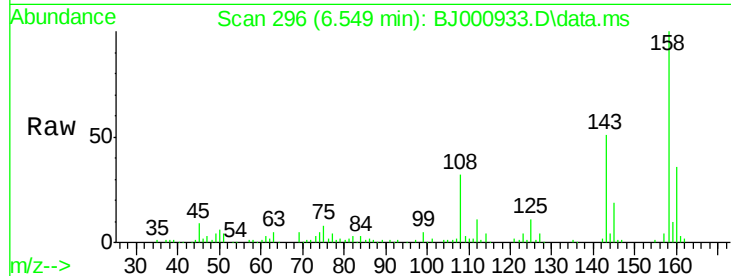
#11
p-Chlorophenylmethylsulfide
Concen: 2.48 ug/mL
RT: 6.549 min Scan# 29
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Instrument :
BNA_J
ClientSampleId :
CWA-3

Tgt Ion:	158	Resp:	434077
Ion Ratio	Lower	Upper	
158	100		
143	51.0	31.3	71.3
108	32.2	14.9	54.9
45	8.7	0.0	28.5

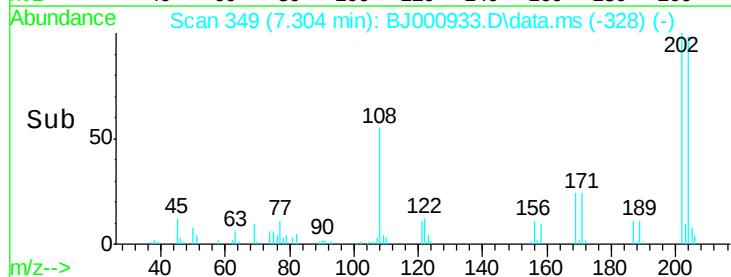
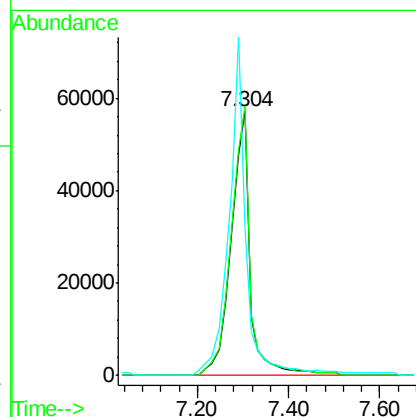
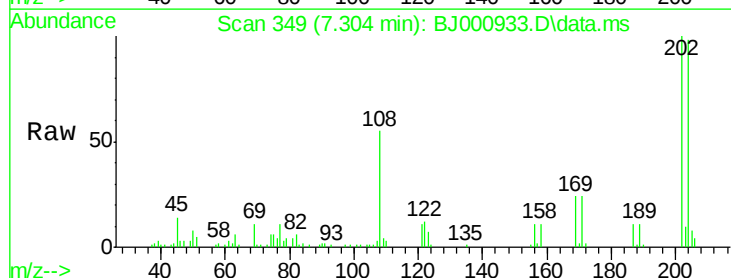
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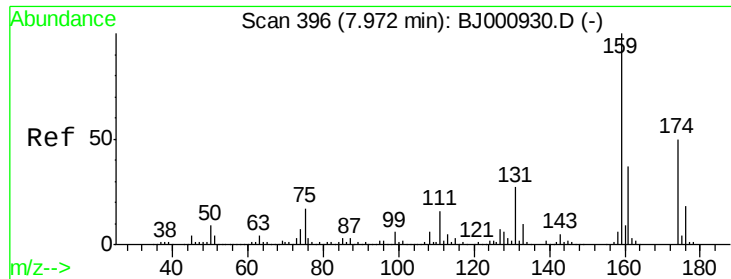
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#12
2-Bromothioanisole
Concen: 2.51 ug/mL
RT: 7.304 min Scan# 349
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Tgt Ion:	204	Resp:	167380
Ion Ratio	Lower	Upper	
204	100		
202	102.0	81.4	121.4
108	56.5	37.1	77.1





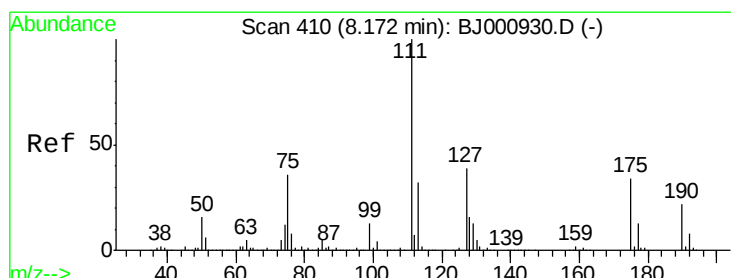
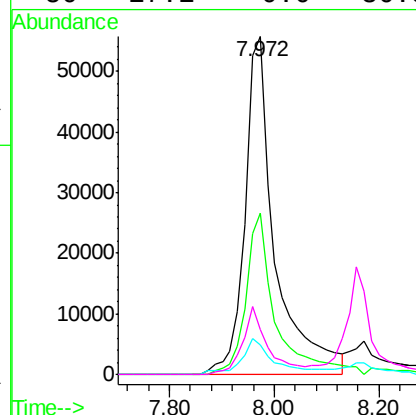
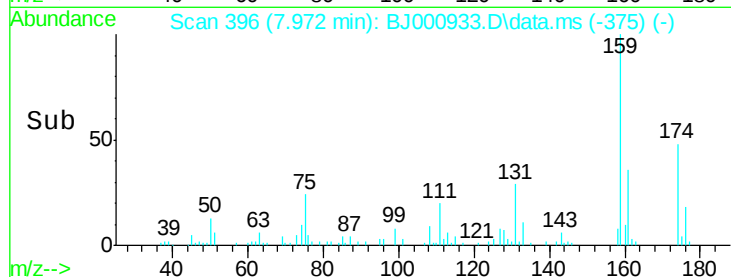
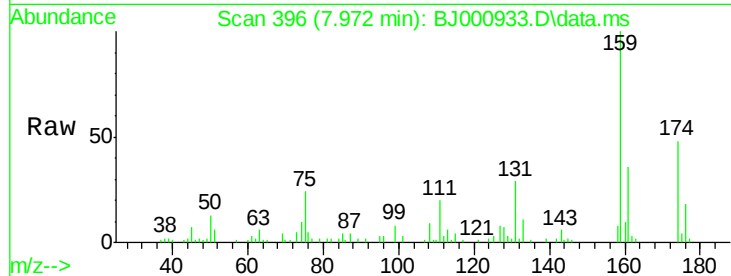
#13
p-Chlorophenylmethylsulfoxide
Concen: 2.27 ug/mL
RT: 7.972 min Scan# 396
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Instrument :
BNA_J
ClientSampled :
CWA-3

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	220961		
174	47.0		27.0	67.0
108	11.8		0.0	28.3
50	17.1		0.0	36.8

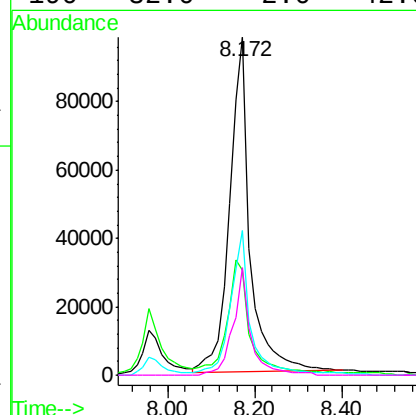
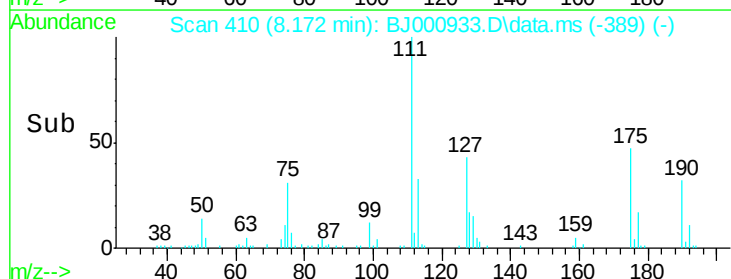
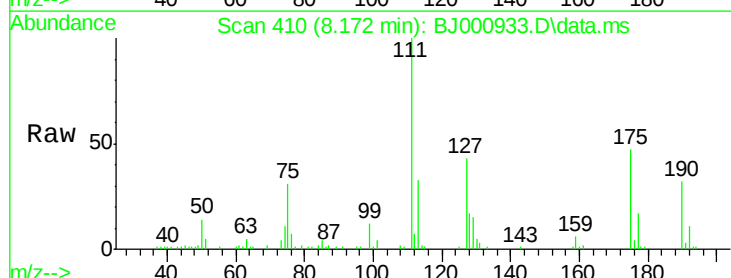
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 2.19 ug/mL
RT: 8.172 min Scan# 410
Delta R.T. 0.000 min
Lab File: BJ000933.D
Acq: 8 Jun 2012 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	315379		
75	31.1		16.5	56.5
127	43.0		19.3	59.3
190	32.0		2.0	42.0



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000933.D
 Acq On : 8 Jun 2012 14:02
 Operator : HLM
 Sample : CWA-3
 Misc : BNA_J HLM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-3

Manual Integrations
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AHPatel
 6/14/2012 12:45:07 AM

Quant Time: Jun 13 07:45:57 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Jun 08 15:35:00 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.713	152	239997	2.00	ug/mL	0.00
6) Naphthalene-d8	5.994	136	1014734	2.00	ug/mL	-0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.047	99	192518	0.56	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	112.00%	
12) 2-Bromothioanisole	7.304	204	167380	2.51	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	50.20%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.664	94	83568	0.95	ug/mL	88
3) DMMP	3.575	79	38433	0.58	ug/mL	92
4) DIMP	4.984	97	103714	0.50	ug/mL	97
5) 1,4-Oxathiane	3.689	46	115048	1.35	ug/mL#	62
7) 1,4-Dithiane	5.155	46	89794	1.34	ug/mL#	81
8) Thiodiglycol	5.909	61	539490m	9.39	ug/mL	
9) Benzothiazole	6.293	135	671755	2.66	ug/mL	95
11) p-Chlorophenylmethyisu...	6.549	158	434077	2.48	ug/mL	98
13) p-Chlorophenylmethyisu...	7.972	159	220961	2.27	ug/mL	99
14) p-Chlorophenylmethyisu...	8.172	111	315379	2.19	ug/mL	89

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