

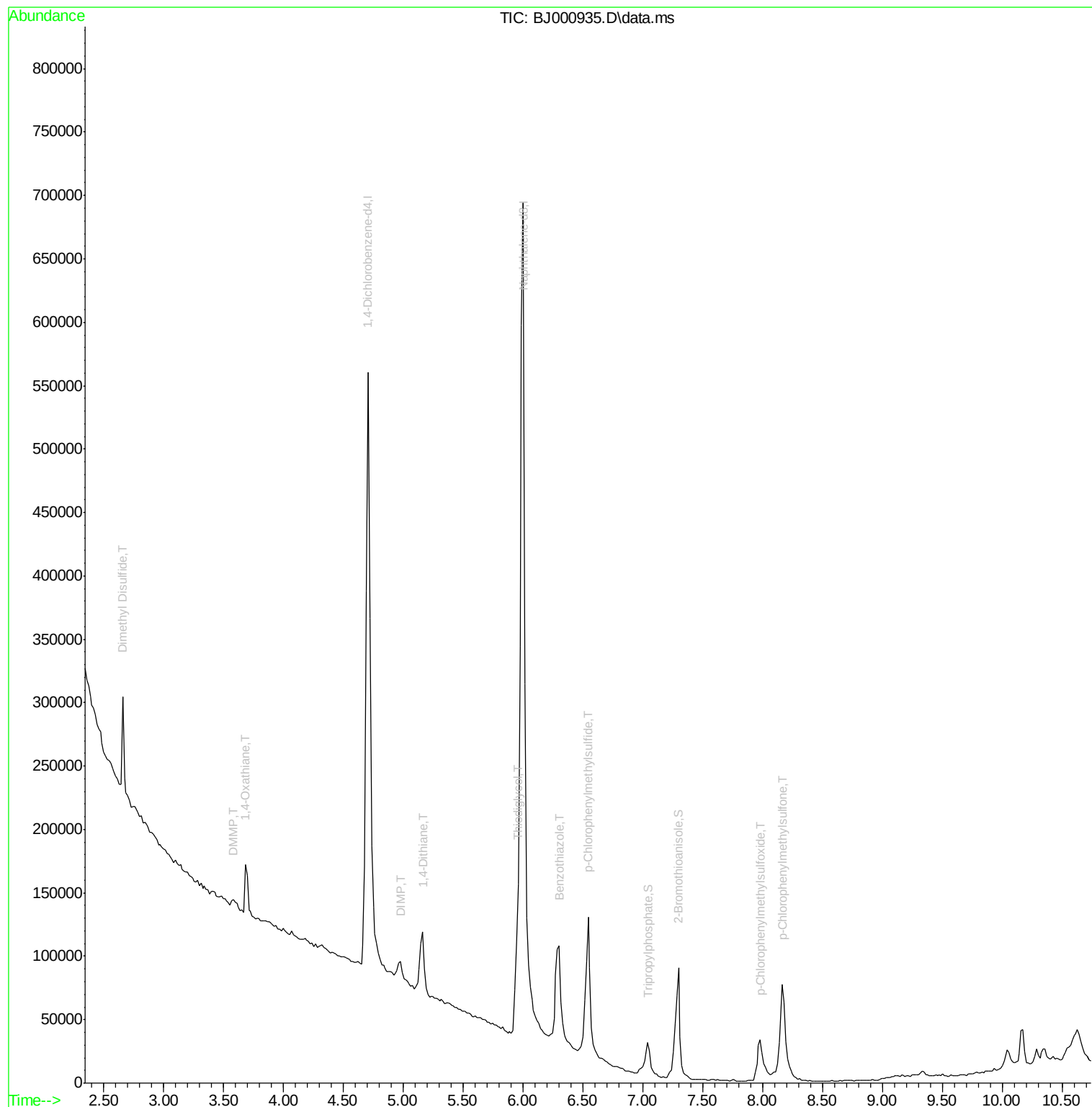
Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
Data File : BJ000935.D
Acq On : 8 Jun 2012 14:38
Operator : HLM
Sample : CWA-1
Misc : BNA_J HLM
ALS Vial : 7 Sample Multiplier: 1

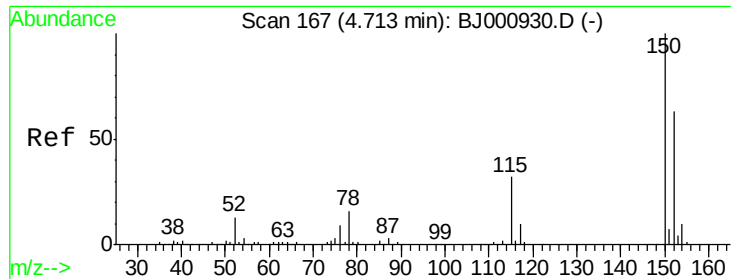
Instrument :
BNA_J
ClientSampleId :
CWA-1

Manual Integrations
APPROVED

AHPatel
6/14/2012 12:45:10 AM

Quant Time: Jun 13 07:46:11 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: 4.707 min Scan# 16

Delta R.T. -0.006 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Instrument :

BNA_J

ClientSampled :

CWA-1

Tgt Ion:152 Resp: 242211

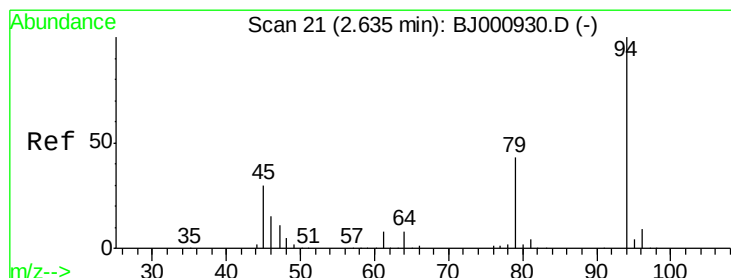
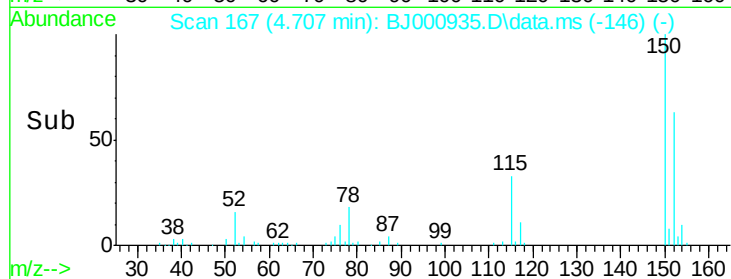
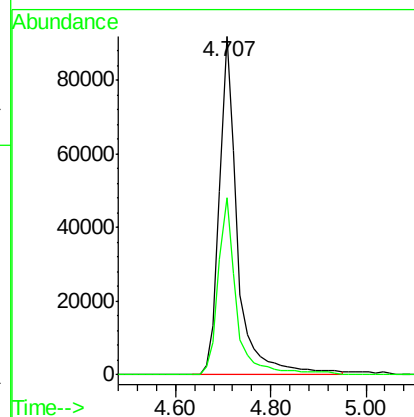
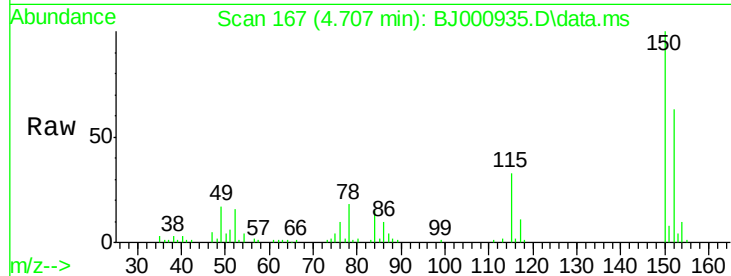
Ion Ratio Lower Upper

152 100

115 52.4 30.6 70.6

Manual Integrations
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#2

Dimethyl Disulfide

Concen: 0.22 ug/mL

RT: 2.658 min Scan# 23

Delta R.T. 0.023 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

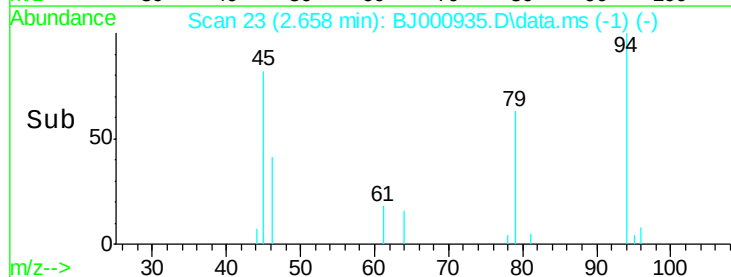
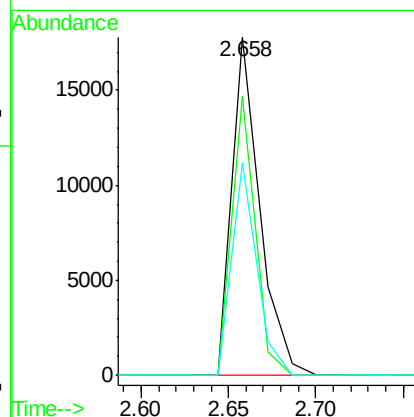
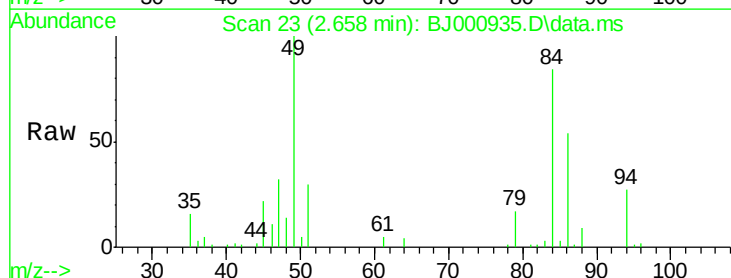
Tgt Ion: 94 Resp: 19730

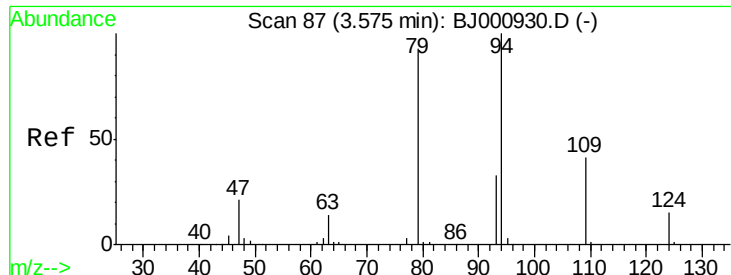
Ion Ratio Lower Upper

94 100

45 82.5 11.1 51.1#

79 62.9 22.9 62.9#





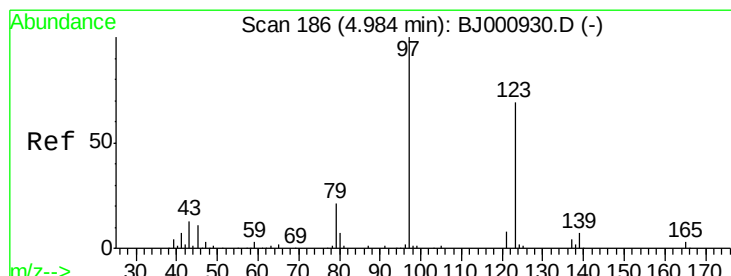
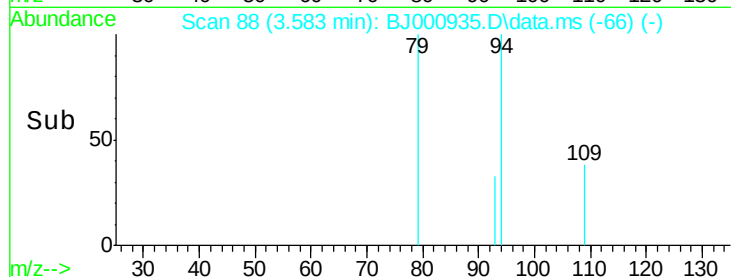
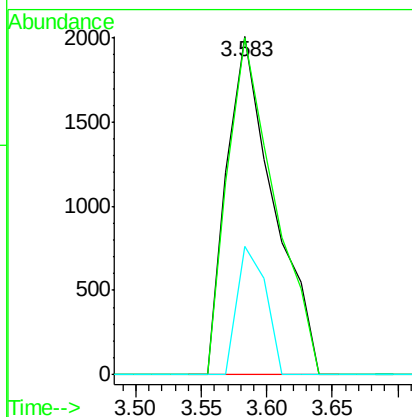
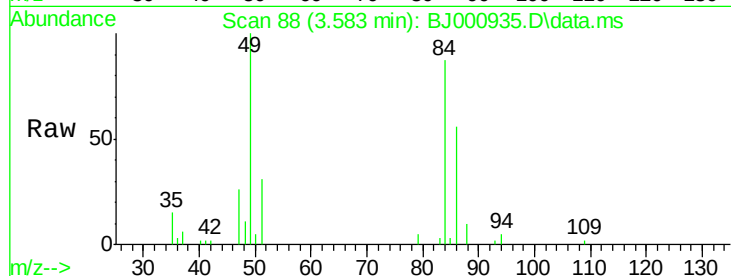
#3
DMMP
Concen: 0.17 ug/mL
RT: 3.583 min Scan# 88
Delta R.T. 0.009 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Instrument :
BNA_J
ClientSampleId :
CWA-1

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	4978		
94	99.8	87.0	127.0	
109	38.1	24.1	64.1	

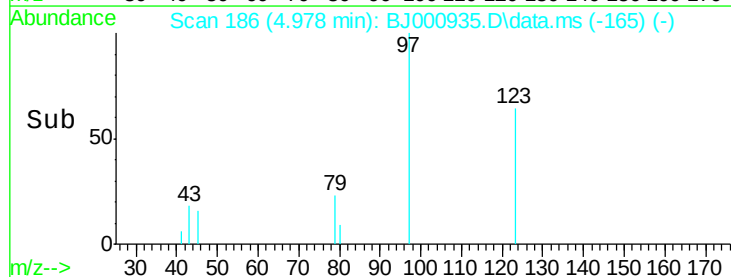
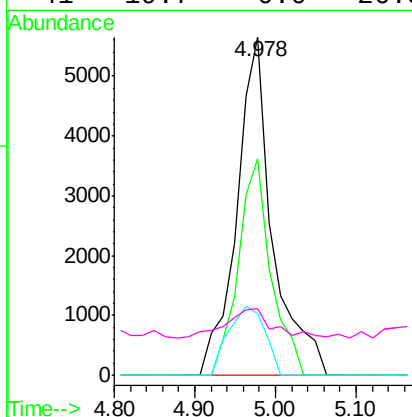
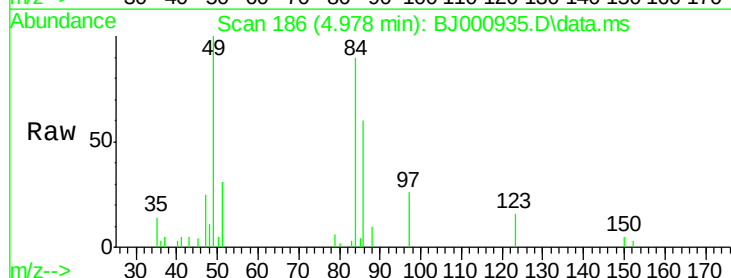
Manual Integrations
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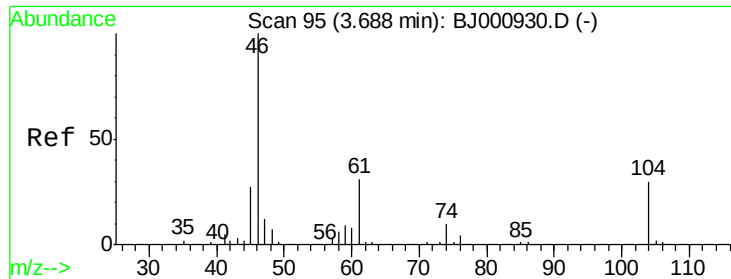
AHPatel
6/14/2012 12:45:10 AM



#4
DIMP
Concen: 0.09 ug/mL
RT: 4.978 min Scan# 186
Delta R.T. -0.006 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	17387		
123	63.9	49.1	89.1	
43	18.3	0.0	33.2	
41	19.7	0.0	26.5	





#5

1,4-Oxathiane

Concen: 0.23 ug/mL

RT: 3.683 min Scan# 95

Delta R.T. -0.006 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Instrument :

BNA_J

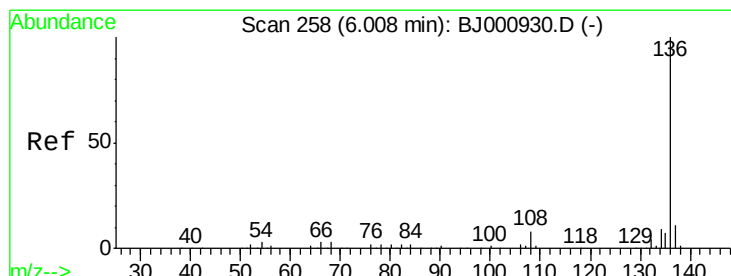
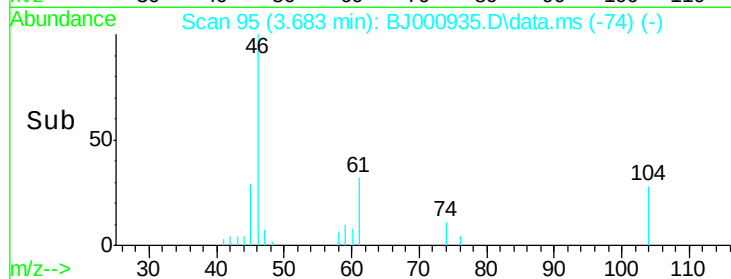
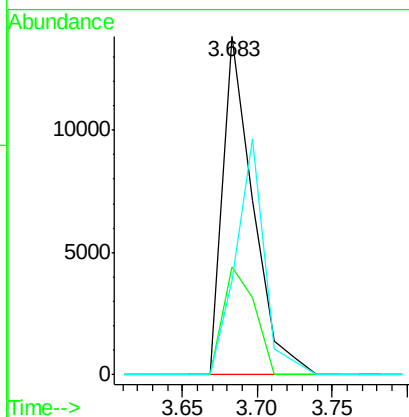
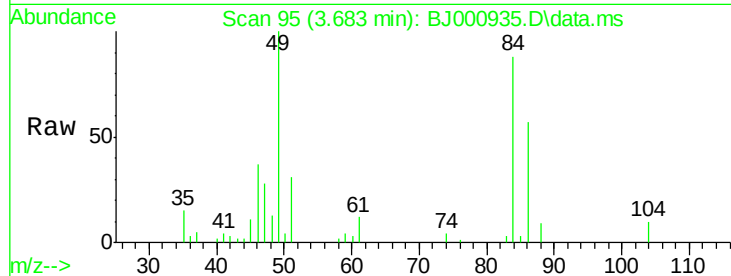
ClientSampleId :

CWA-1

Tgt Ion:	46	Resp:	19659
Ion Ratio	Lower	Upper	
46	100		
61	31.9	11.2	51.2
104	27.6	10.0	50.0

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL

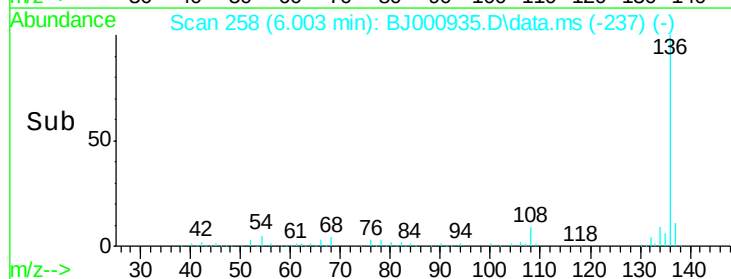
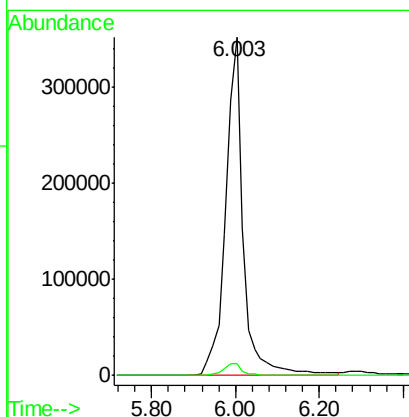
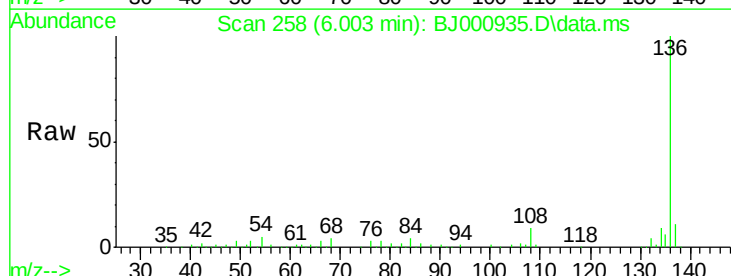
RT: 6.003 min Scan# 258

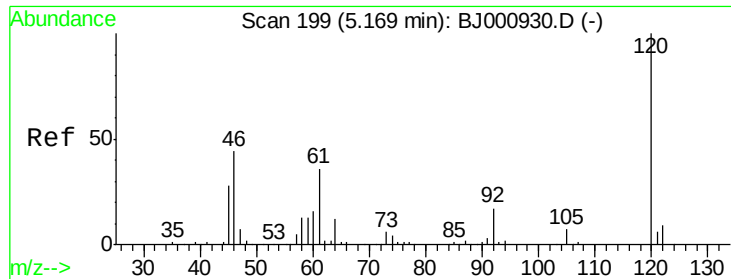
Delta R.T. -0.006 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Tgt Ion:	136	Resp:	1023150
Ion Ratio	Lower	Upper	
136	100		
68	3.5	0.0	22.7





#7

1,4-Dithiane

Concen: 0.25 ug/mL

RT: 5.163 min Scan# 19

Delta R.T. -0.006 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Instrument :

BNA_J

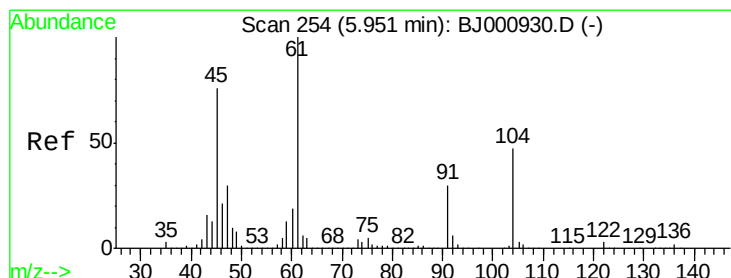
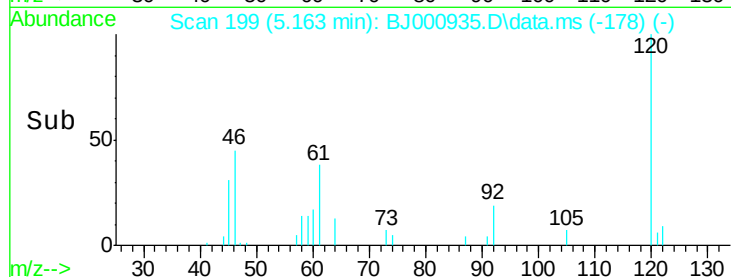
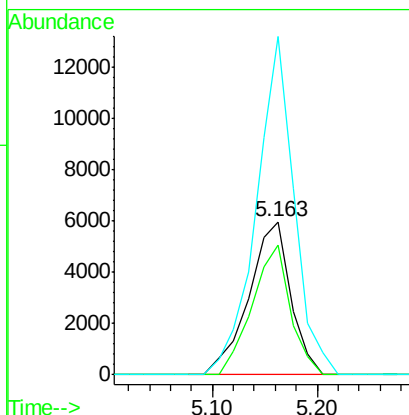
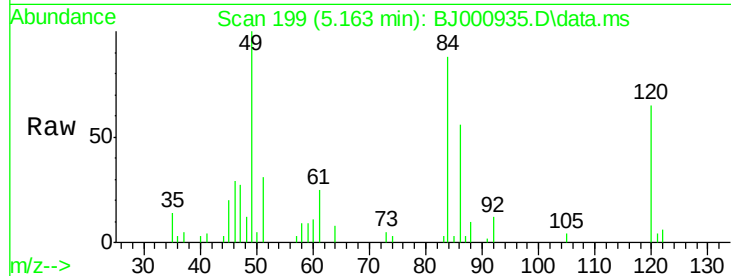
ClientSampleId :

CWA-1

Tgt Ion	Ratio	Lower	Upper
46	100		
61	85.0	61.9	101.9
120	221.7	208.1	248.1

Manual Integrations
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#8

Thiodiglycol

Concen: 2.97 ug/mL m

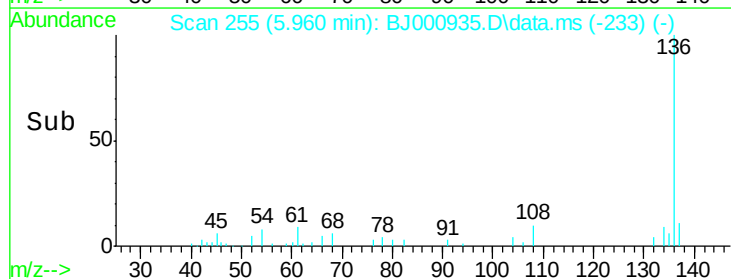
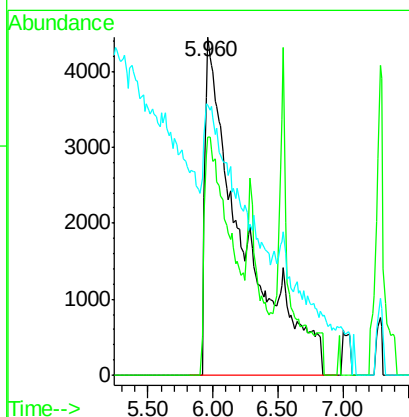
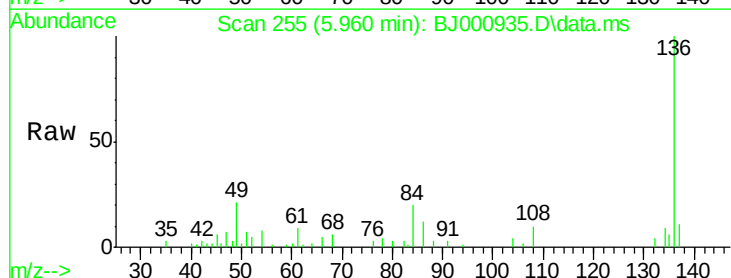
RT: 5.960 min Scan# 255

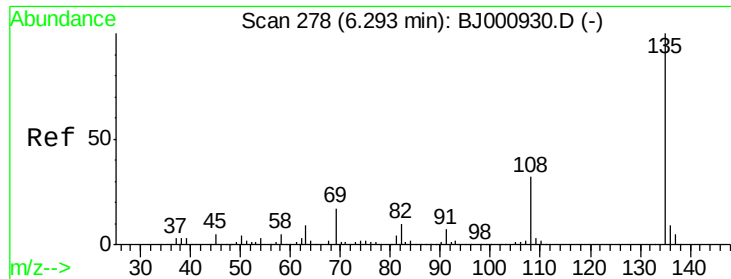
Delta R.T. 0.009 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Tgt Ion	Ratio	Lower	Upper
61	100		
45	70.3	56.3	96.3
47	79.9	10.1	50.1#





#9

Benzothiazole

Concen: 0.53 ug/mL

RT: 6.301 min Scan# 27

Delta R.T. 0.009 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Instrument :

BNA_J

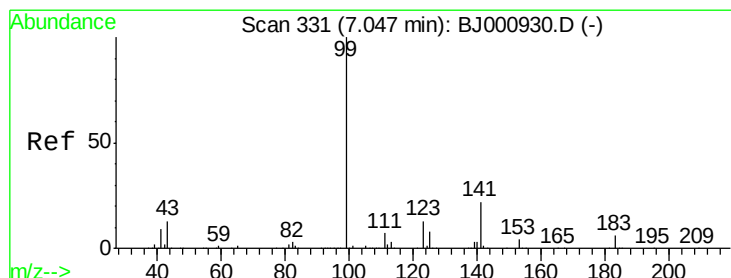
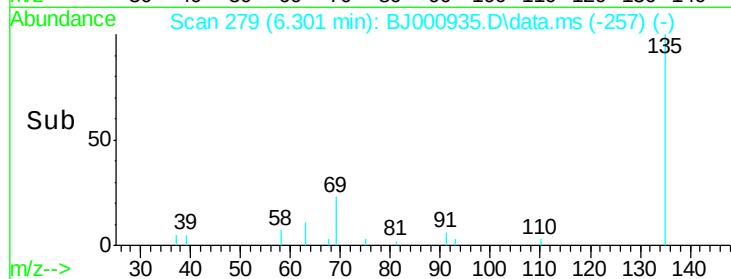
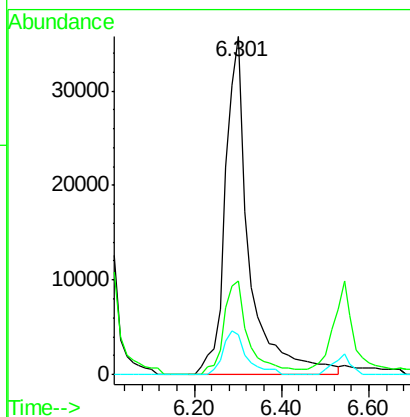
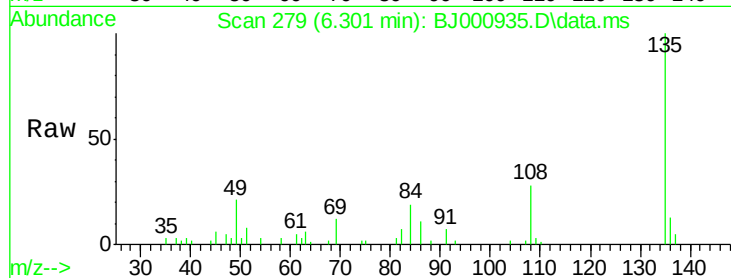
ClientSampleId :

CWA-1

Tgt Ion:	135	Resp:	135134
Ion Ratio	Lower	Upper	
135	100		
108	27.9	12.0	52.0
69	11.7	0.0	36.6

Manual Integrations
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6/14/2012 12:45:10 AM



#10

Tripropylphosphate

Concen: 0.10 ug/mL

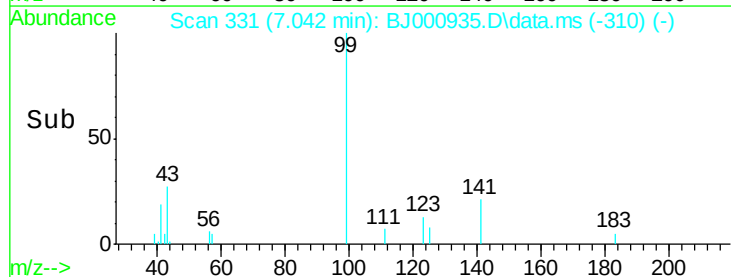
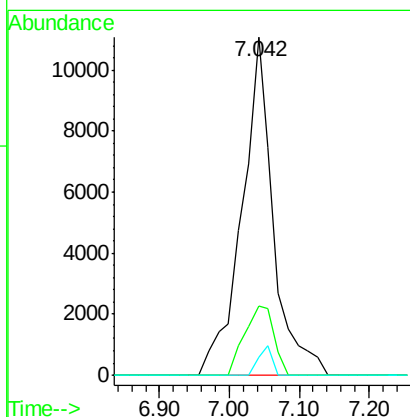
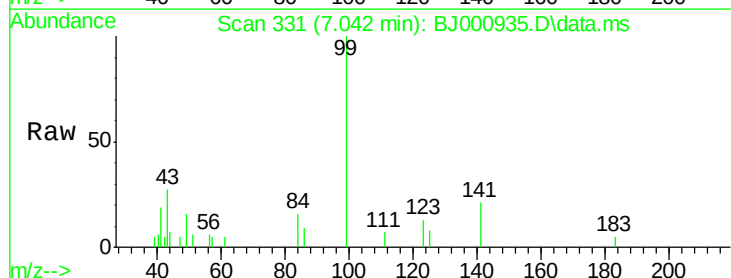
RT: 7.042 min Scan# 331

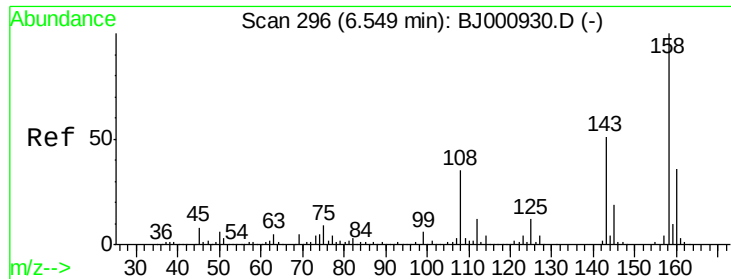
Delta R.T. -0.006 min

Lab File: BJ000935.D

Acq: 8 Jun 2012 14:38

Tgt Ion:	99	Resp:	34713
Ion Ratio	Lower	Upper	
99	100		
141	19.2	18.5	27.7
183	3.9	5.8	8.8#





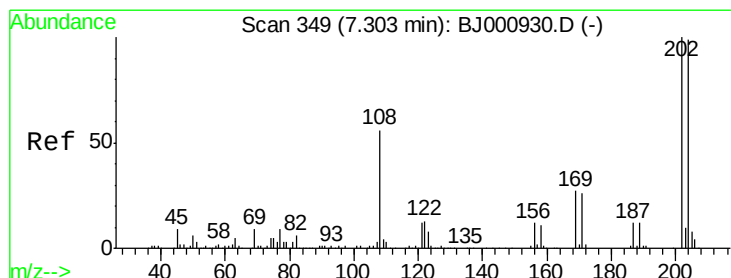
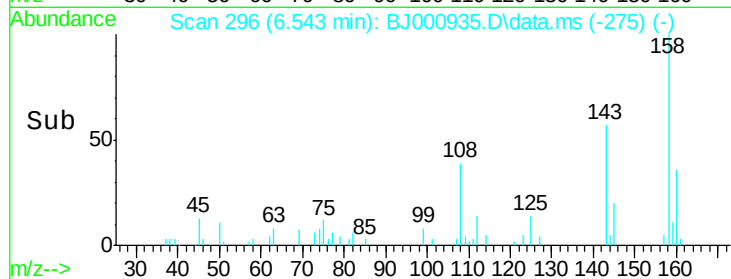
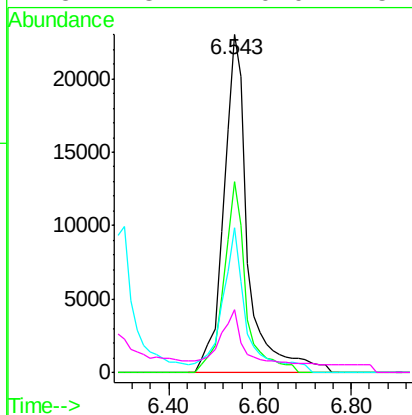
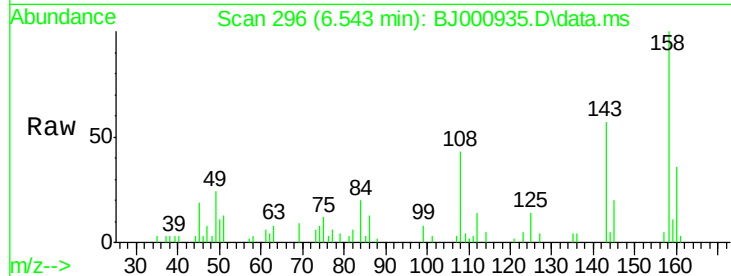
#11
p-Chlorophenylmethylsulfide
Concen: 0.48 ug/mL
RT: 6.543 min Scan# 29
Delta R.T. -0.006 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Instrument :
BNA_J
ClientSampled :
CWA-1

Tgt Ion:	158	Resp:	84870
Ion Ratio	Lower	Upper	
158	100		
143	56.6	31.3	71.3
108	42.8	14.9	54.9
45	18.7	0.0	28.5

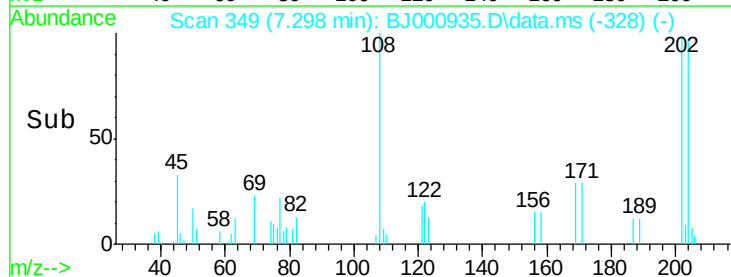
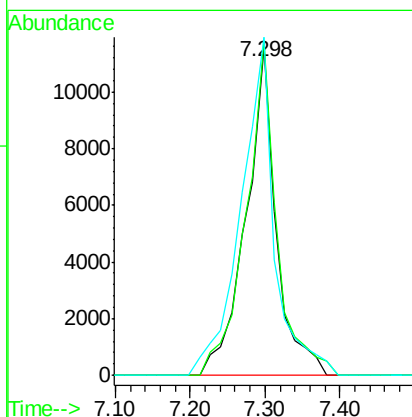
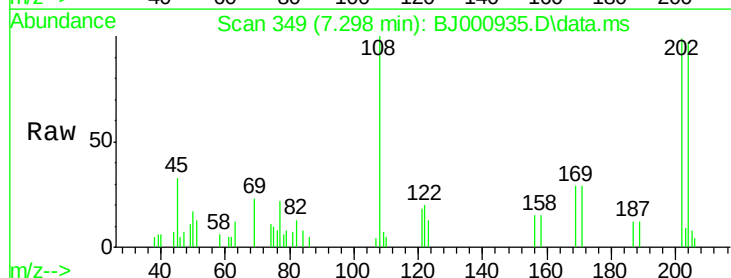
Manual Integrations
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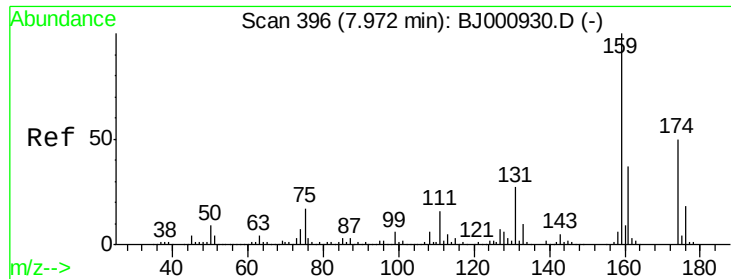
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#12
2-Bromothioanisole
Concen: 0.48 ug/mL
RT: 7.298 min Scan# 349
Delta R.T. -0.006 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Tgt Ion:	204	Resp:	32468
Ion Ratio	Lower	Upper	
204	100		
202	101.8	81.4	121.4
108	103.1	37.1	77.1#





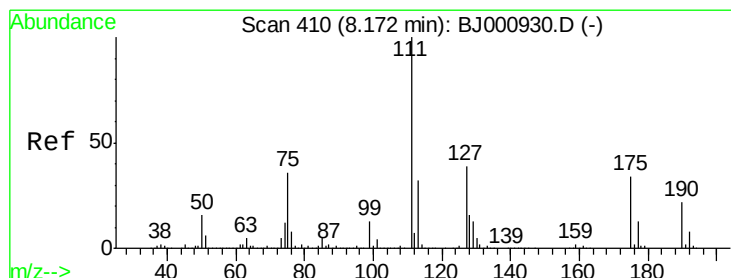
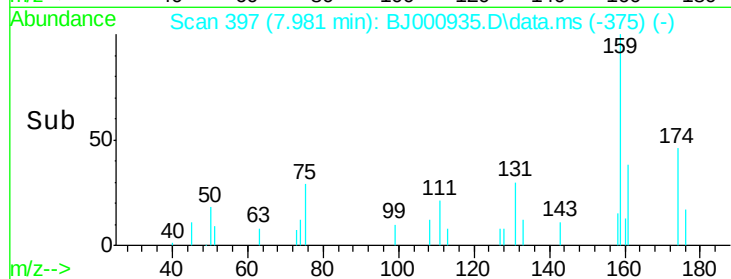
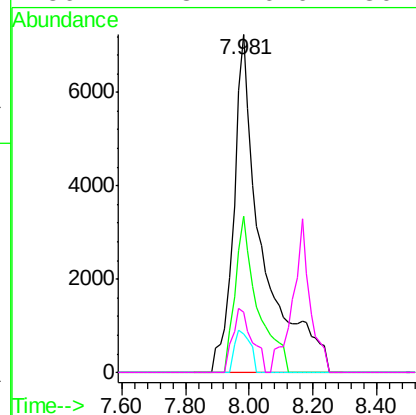
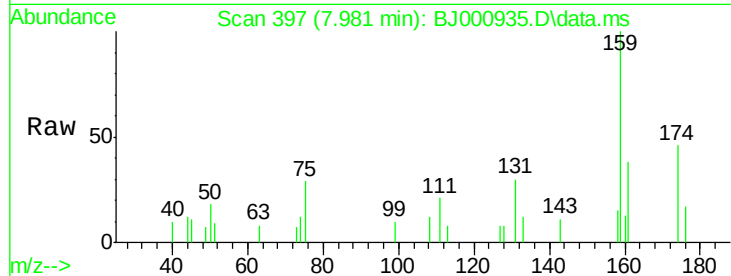
#13
p-Chlorophenylmethylsulfoxide
Concen: 0.46 ug/mL m
RT: 7.981 min Scan# 39
Delta R.T. 0.009 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Instrument :
BNA_J
ClientSampleId :
CWA-1

Tgt Ion	Ratio	Resp	Lower	Upper
159	100	44920		
174	36.4	27.0	67.0	
108	6.9	0.0	28.3	
50	12.8	0.0	36.8	

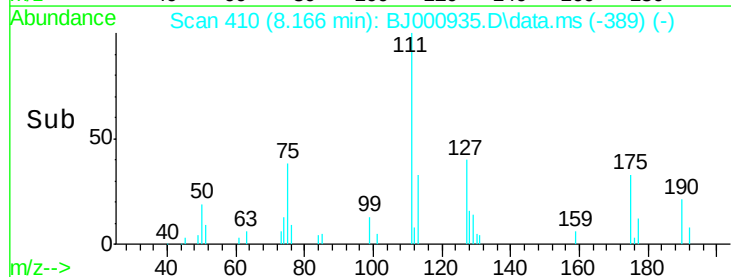
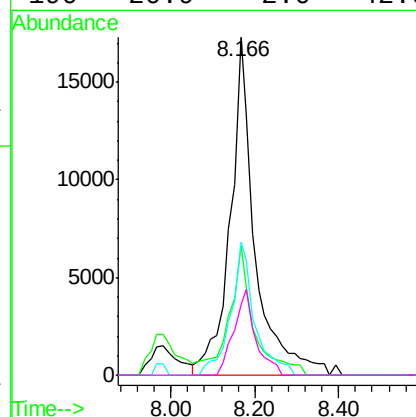
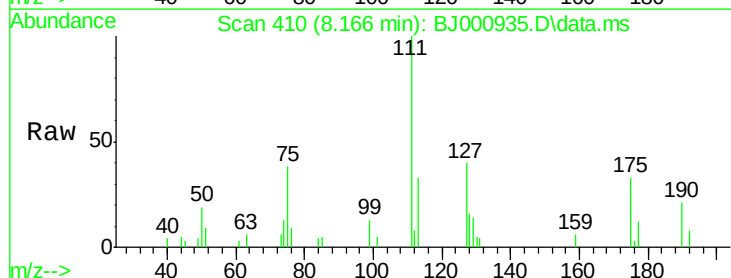
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 0.49 ug/mL
RT: 8.166 min Scan# 410
Delta R.T. -0.006 min
Lab File: BJ000935.D
Acq: 8 Jun 2012 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
111	100	71571		
75	38.3	16.5	56.5	
127	39.6	19.3	59.3	
190	20.9	2.0	42.0	



Data Path : Z:\HPCHEM1\BNA_J\data\BJ060812\
 Data File : BJ000935.D
 Acq On : 8 Jun 2012 14:38
 Operator : HLM
 Sample : CWA-1
 Misc : BNA_J HLM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-1

Manual Integrations
 APPROVED

AHPatel
 6/14/2012 12:45:10 AM

Quant Time: Jun 13 07:46:11 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	4.707	152	242211	2.00	ug/mL	0.00
6) Naphthalene-d8	6.003	136	1023150	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.042	99	34713	0.10	ug/mL	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	=	20.00%#	
12) 2-Bromothioanisole	7.298	204	32468	0.48	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	9.60%#	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.658	94	19730	0.22	ug/mL#	43
3) DMMP	3.583	79	4978	0.17	ug/mL	92
4) DIMP	4.978	97	17387	0.09	ug/mL	90
5) 1,4-Oxathiane	3.683	46	19659	0.23	ug/mL	97
7) 1,4-Dithiane	5.163	46	16664	0.25	ug/mL	96
8) Thiodiglycol	5.960	61	88266m	2.97	ug/mL	
9) Benzothiazole	6.301	135	135134	0.53	ug/mL	91
11) p-Chlorophenylmethyisu...	6.543	158	84870	0.48	ug/mL	88
13) p-Chlorophenylmethyisu...	7.981	159	44920m	0.46	ug/mL	
14) p-Chlorophenylmethyisu...	8.166	111	71571	0.49	ug/mL	98

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