

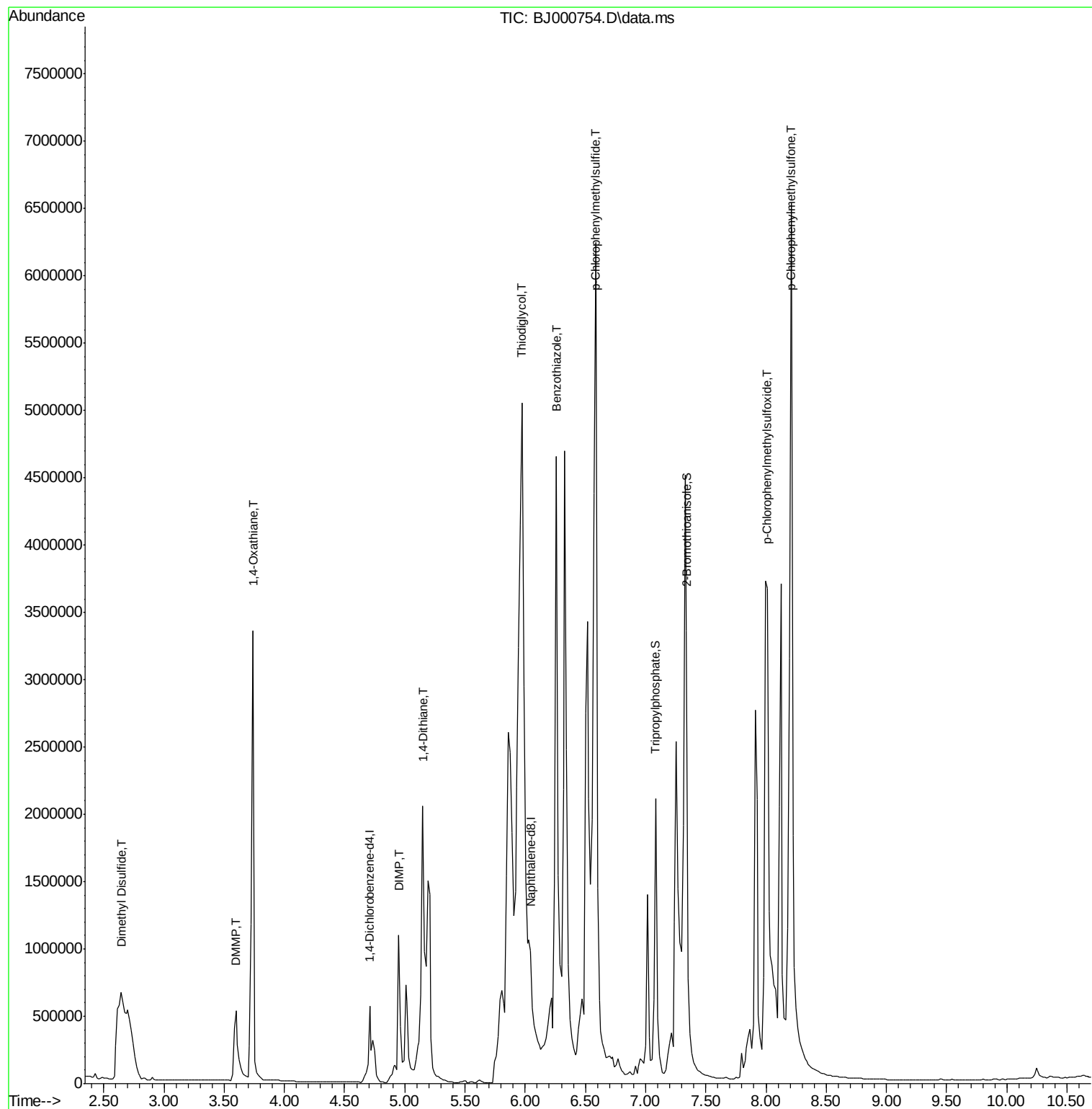
Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
Data File : BJ000754.D
Acq On : 17 Apr 2012 13:40
Operator : HLM
Sample : CWA-5
Misc : BNA_J HLM
ALS Vial : 3 Sample Multiplier: 1

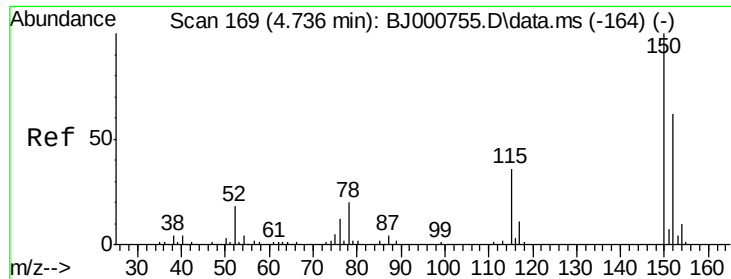
Instrument :
BNA_J
ClientSampleId :
CWA-5

Manual Integrations
APPROVED

AHPatel
4/21/2012 4:18:05 AM

Quant Time: Apr 20 05:37:19 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
Quant Title : CWA degradation products by GCMS
QLast Update : Tue Apr 17 16:51:03 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.707 min Scan# 16

Delta R.T. -0.029 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

Instrument :

BNA_J

ClientSampled :

CWA-5

Tgt Ion:152 Resp: 295338

Ion Ratio Lower Upper

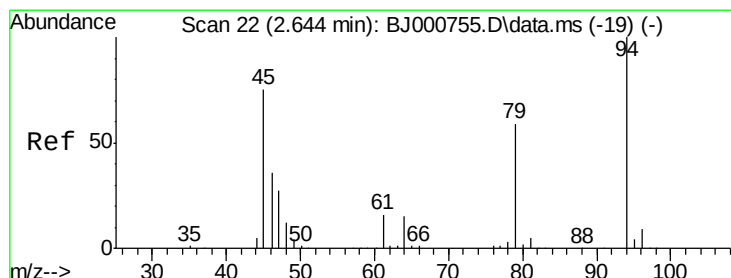
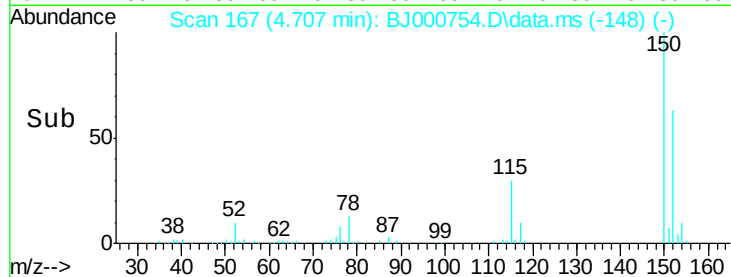
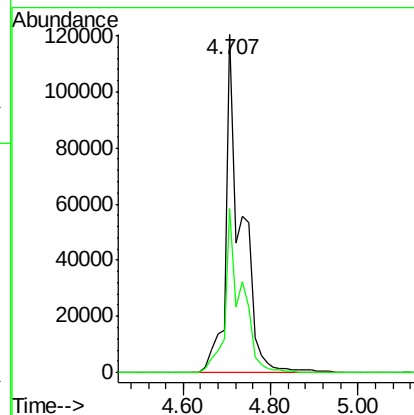
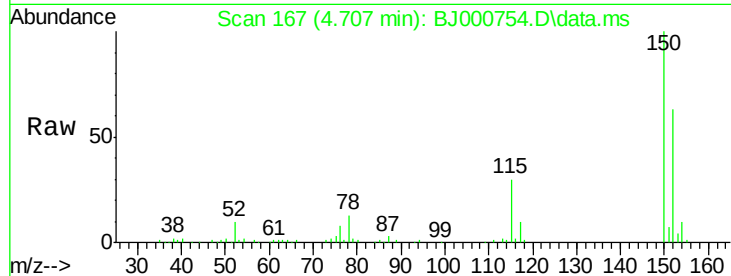
152 100

115 48.6 38.0 78.0

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#2

Dimethyl Disulfide

Concen: 11.28 ug/mL

RT: 2.644 min Scan# 22

Delta R.T. -0.000 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

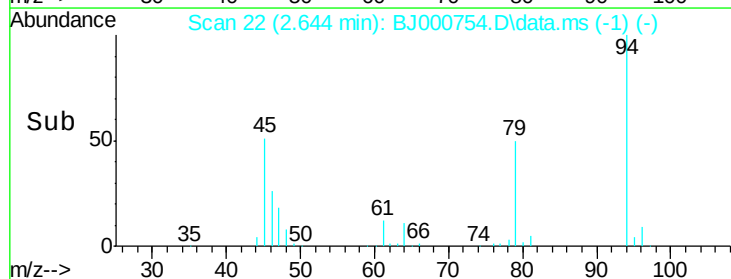
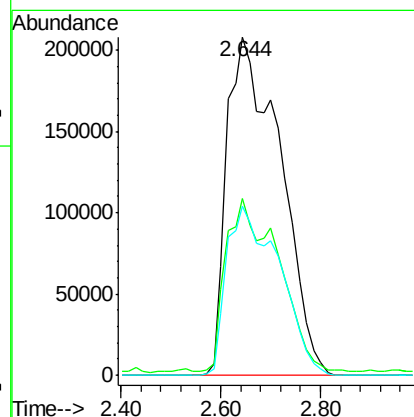
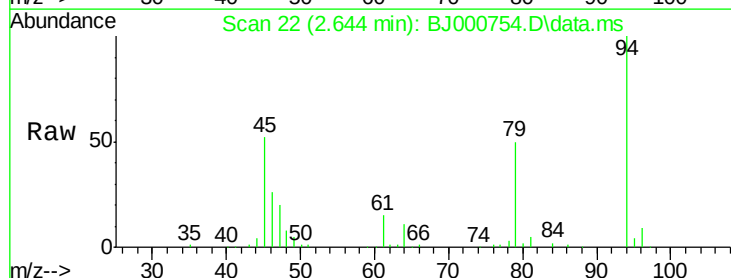
Tgt Ion: 94 Resp: 1537918

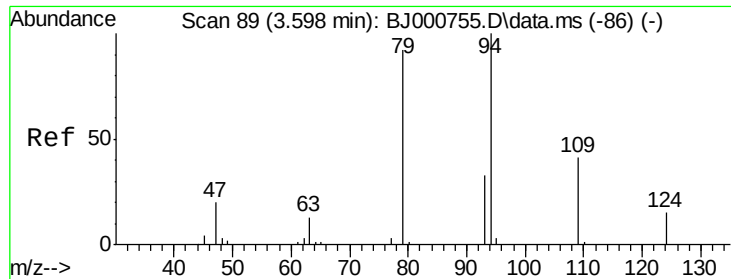
Ion Ratio Lower Upper

94 100

45 52.3 54.7 94.7#

79 50.1 38.8 78.8





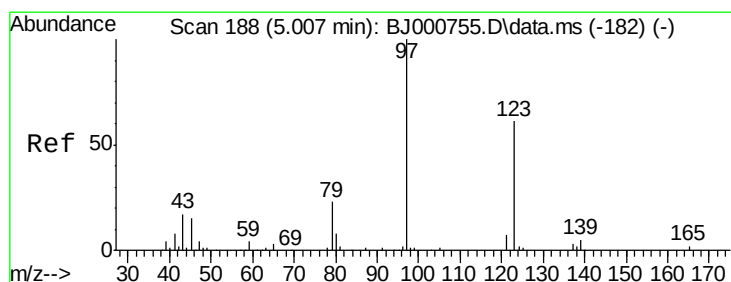
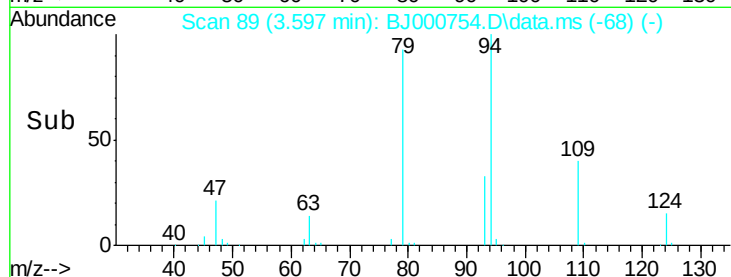
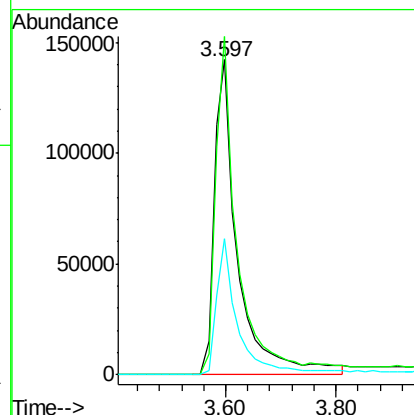
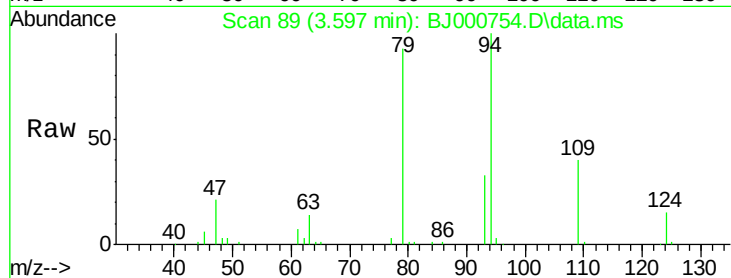
#3
DMMP
Concen: 6.41 ug/mL
RT: 3.597 min Scan# 89
Delta R.T. -0.000 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Instrument :
BNA_J
ClientSampleId :
CWA-5

Tgt Ion	Ratio	Lower	Upper
79	100		
94	107.4	88.2	128.2
109	43.3	24.6	64.6

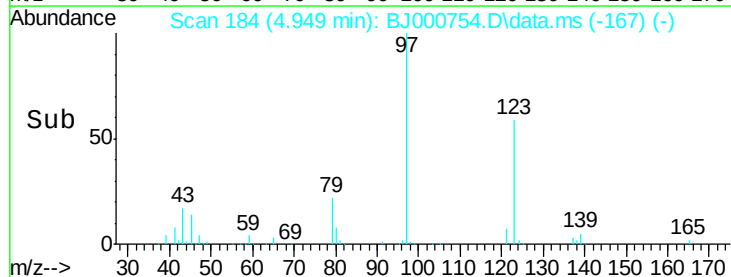
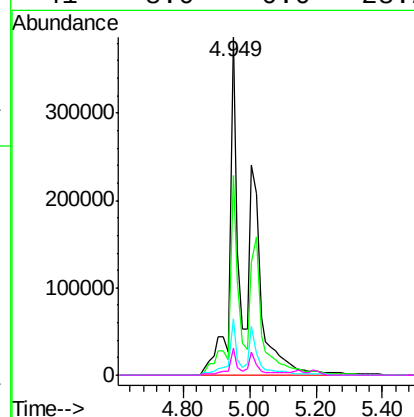
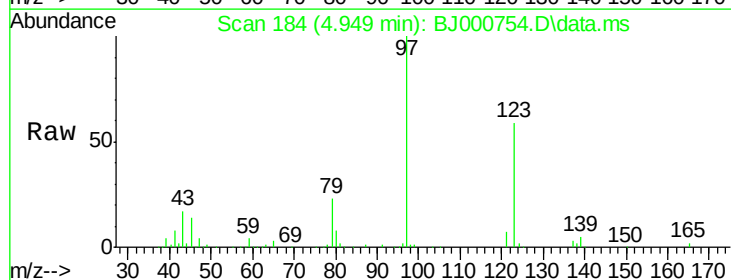
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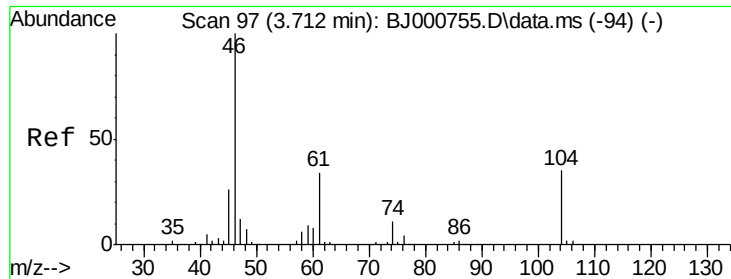
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#4
DIMP
Concen: 5.22 ug/mL m
RT: 4.949 min Scan# 184
Delta R.T. -0.057 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
123	59.3	41.1	81.1
43	16.7	0.0	36.9
41	8.0	0.0	28.2





#5

1,4-Oxathiane

Concen: 11.78 ug/mL

RT: 3.740 min Scan# 99

Delta R.T. 0.028 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

Instrument :

BNA_J

ClientSampleId :

CWA-5

Tgt Ion: 46 Resp: 1248766

Ion Ratio Lower Upper

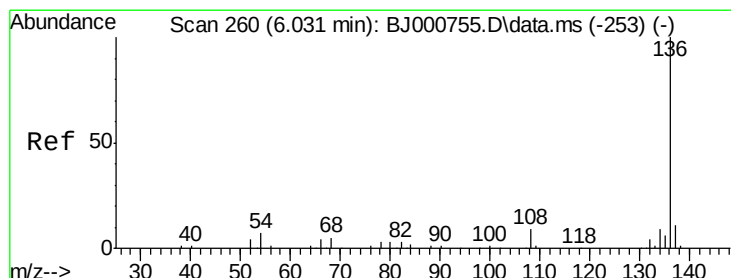
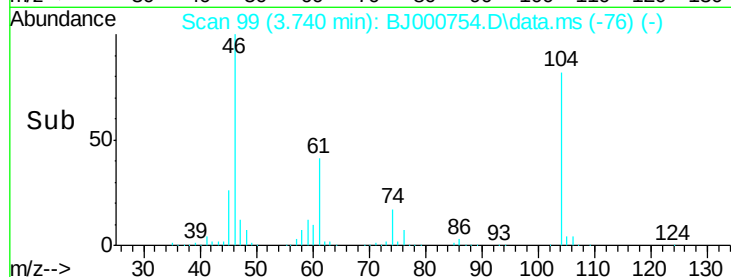
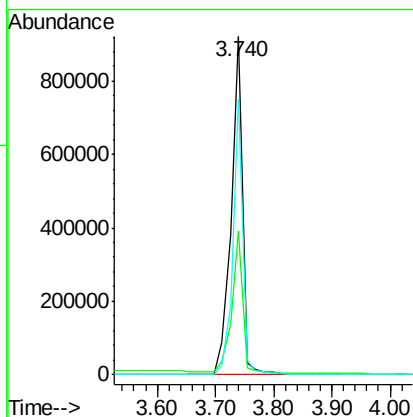
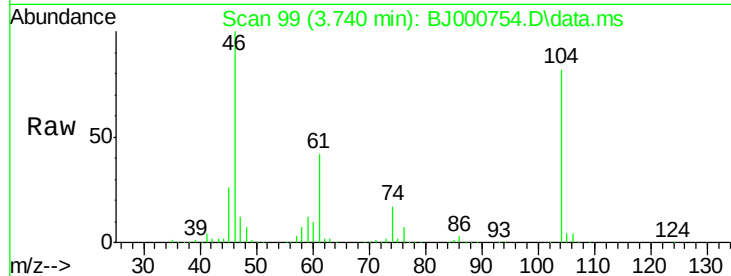
46 100

61 42.5 13.9 53.9

104 81.5 14.6 54.6#

Manual Integrations
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#6

Naphthalene-d8

Concen: 2.00 ug/mL m

RT: 6.045 min Scan# 261

Delta R.T. 0.014 min

Lab File: BJ000754.D

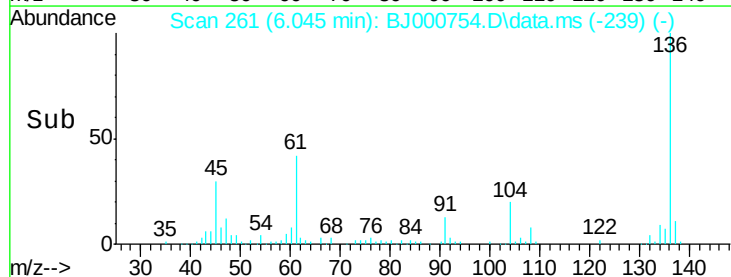
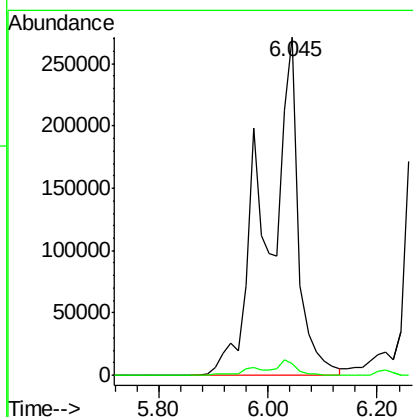
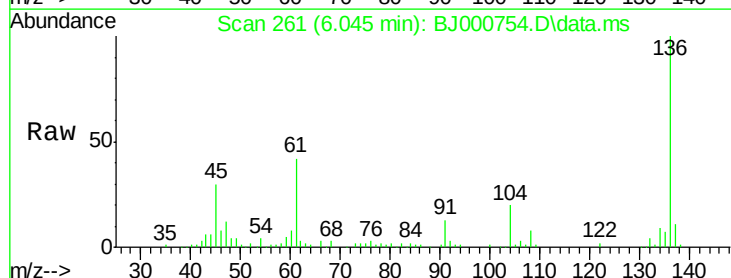
Acq: 17 Apr 2012 13:40

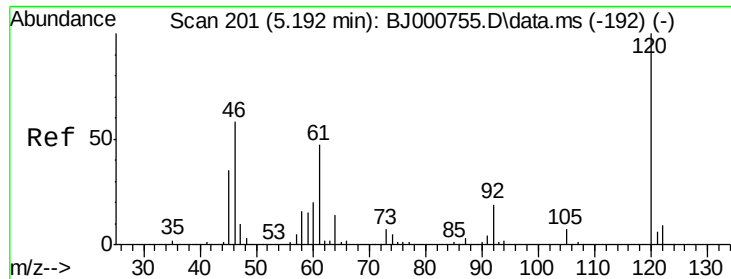
Tgt Ion: 136 Resp: 1090318

Ion Ratio Lower Upper

136 100

68 3.3 0.0 25.1





#7

1,4-Dithiane

Concen: 12.54 ug/mL m

RT: 5.149 min Scan# 19

Delta R.T. -0.043 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

Instrument :

BNA_J

ClientSampled :

CWA-5

Tgt Ion: 46 Resp: 993257
Ion Ratio Lower Upper

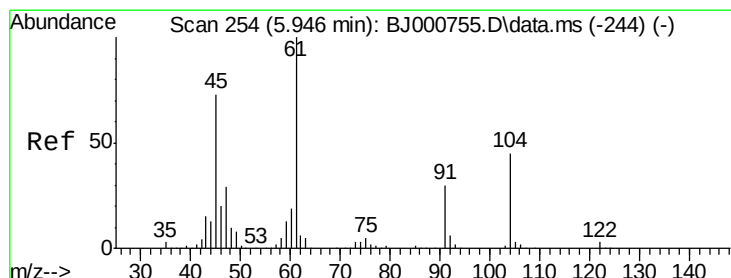
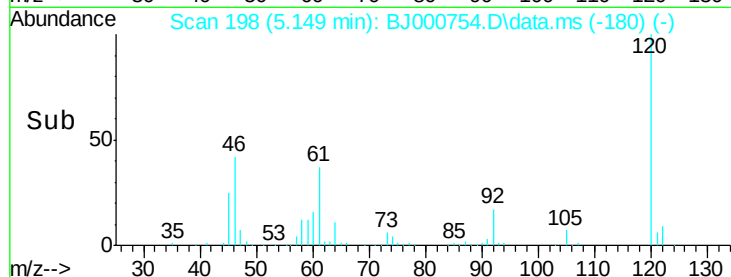
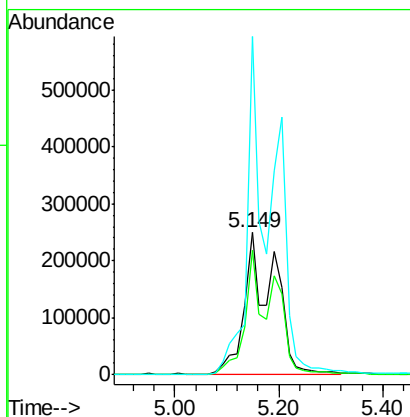
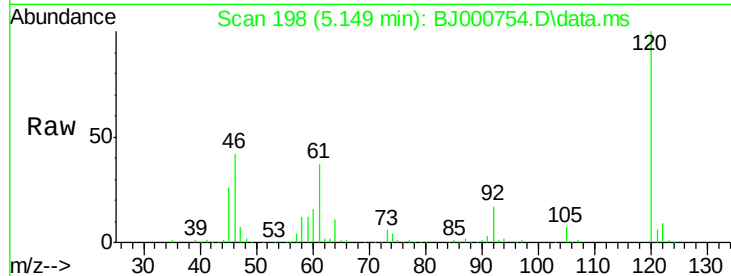
46 100

61 87.6 61.1 101.1

120 238.2 152.3 192.3#

Manual Integrations
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#8

Thiodiglycol

Concen: 100.64 ug/mL m

RT: 5.974 min Scan# 256

Delta R.T. 0.028 min

Lab File: BJ000754.D

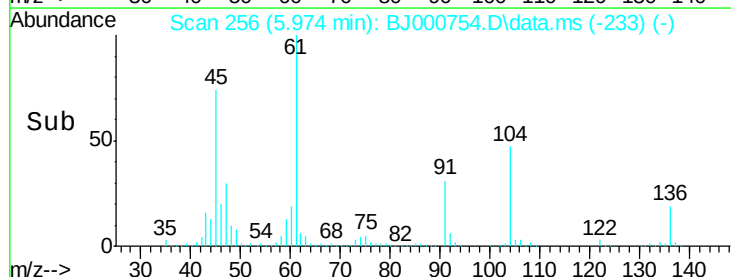
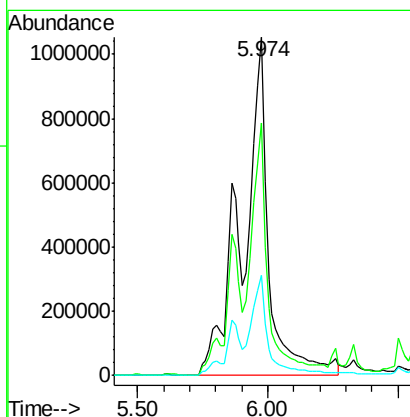
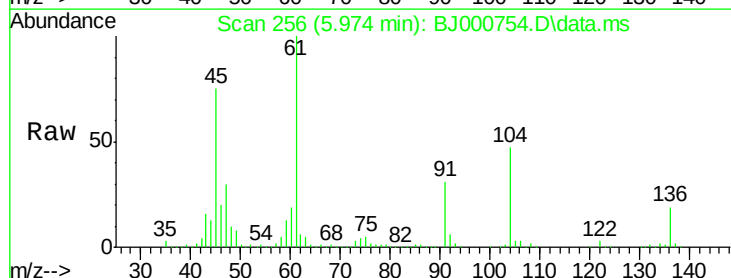
Acq: 17 Apr 2012 13:40

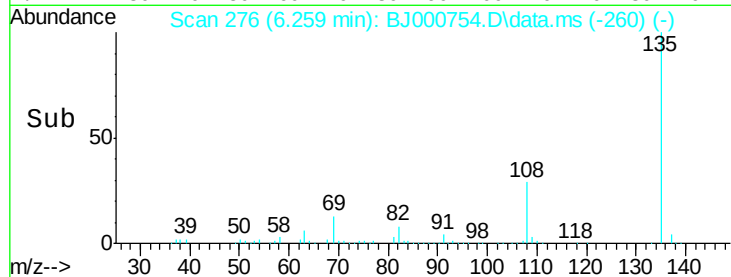
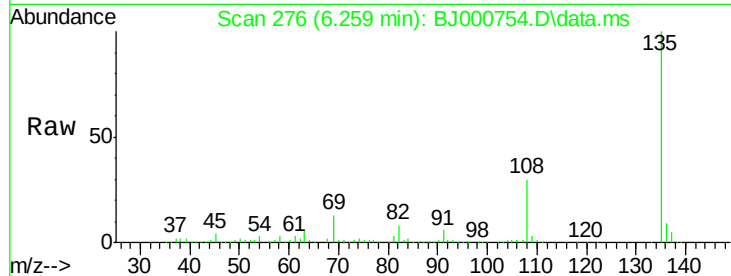
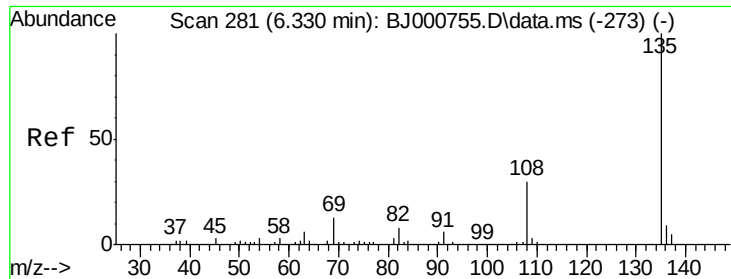
Tgt Ion: 61 Resp: 7340239
Ion Ratio Lower Upper

61 100

45 74.6 53.3 93.3

47 29.6 9.3 49.3





#9

Benzothiazole

Concen: 26.27 ug/mL m

RT: 6.259 min Scan# 27

Delta R.T. -0.072 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

Tgt Ion:	135	Resp:	7702278
Ion Ratio	Lower	Upper	
135	100		
108	29.9	9.9	49.9
69	12.5	0.0	32.5

Instrument :

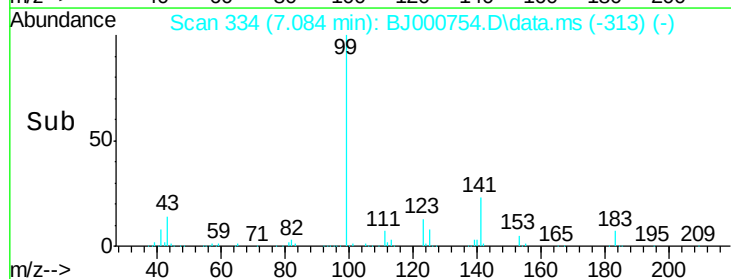
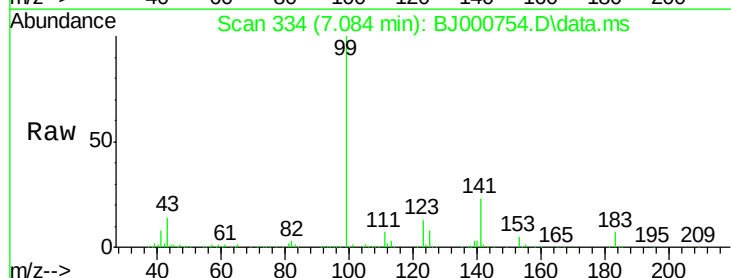
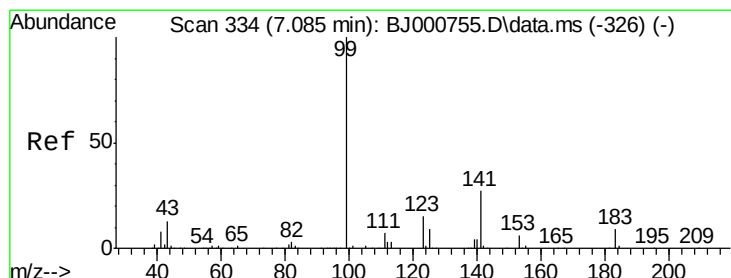
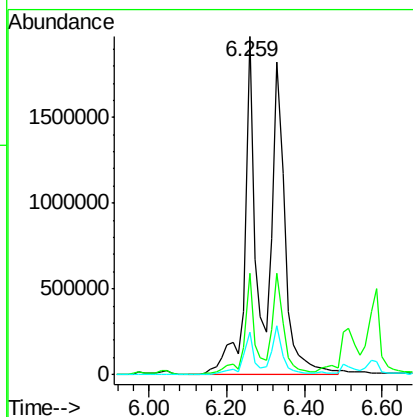
BNA_J

ClientSampleId :

CWA-5

Manual Integrations
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#10

Tripropylphosphate

Concen: 6.10 ug/mL m

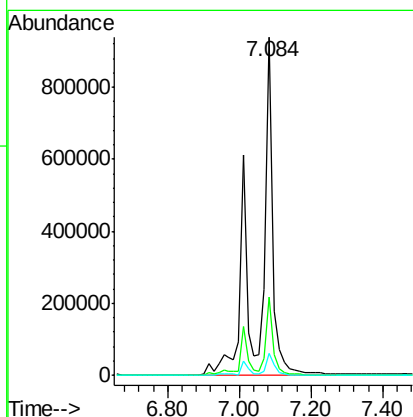
RT: 7.084 min Scan# 334

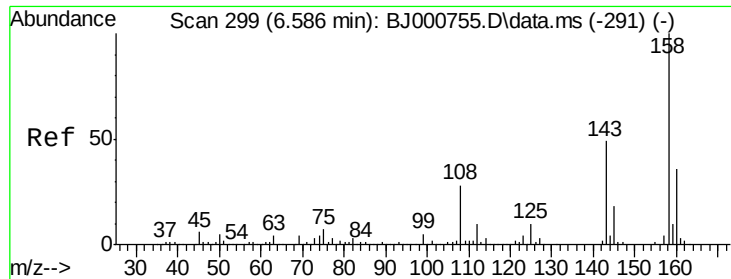
Delta R.T. -0.000 min

Lab File: BJ000754.D

Acq: 17 Apr 2012 13:40

Tgt Ion:	99	Resp:	2317113
Ion Ratio	Lower	Upper	
99	100		
141	9.7	19.1	28.7#
183	3.2	6.2	9.2#





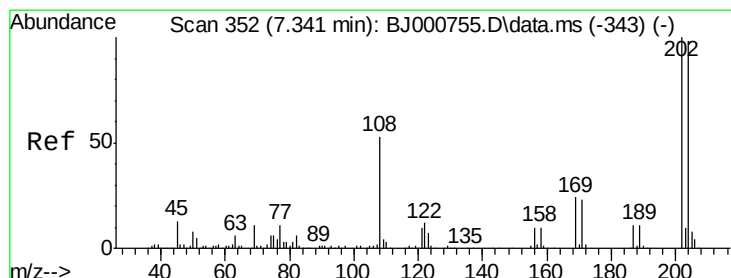
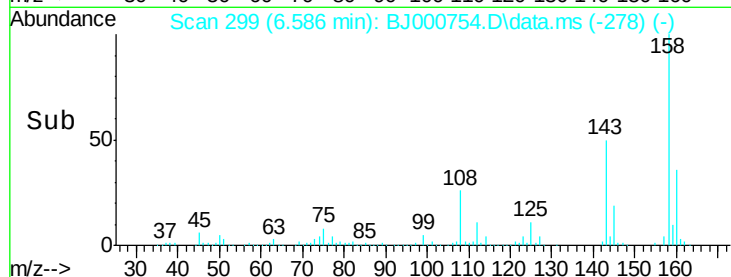
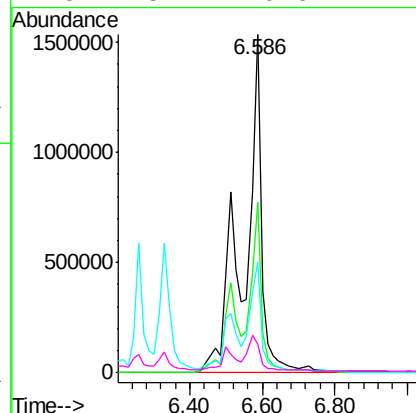
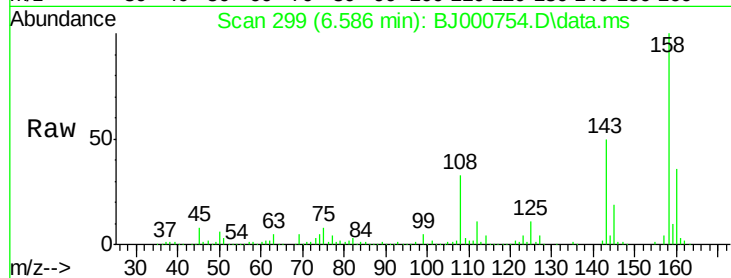
#11
p-Chlorophenylmethylsulfide
Concen: 28.83 ug/mL m
RT: 6.586 min Scan# 299
Delta R.T. -0.000 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Instrument :
BNA_J
ClientSampled :
CWA-5

Tgt Ion	Ratio	Lower	Upper
158	100		
143	50.3	28.9	68.9
108	32.6	8.9	48.9
45	8.2	0.0	27.0

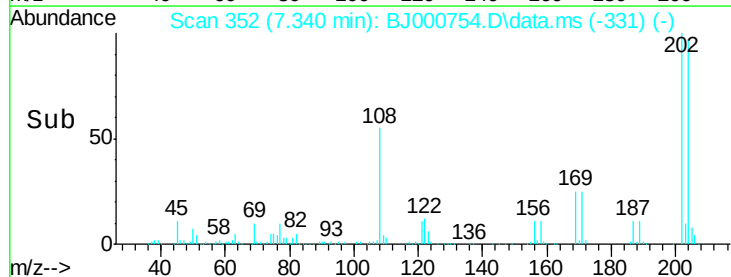
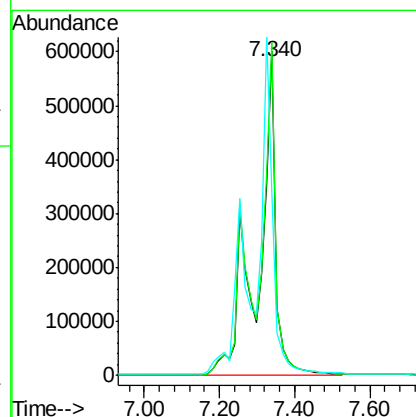
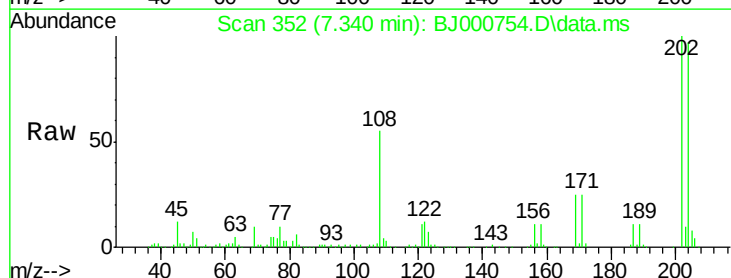
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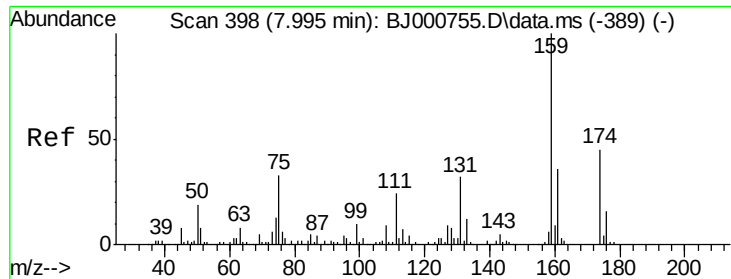
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#12
2-Bromothioanisole
Concen: 28.05 ug/mL m
RT: 7.340 min Scan# 352
Delta R.T. -0.000 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Tgt Ion	Ratio	Lower	Upper
204	100		
202	102.7	82.0	122.0
108	56.6	34.9	74.9





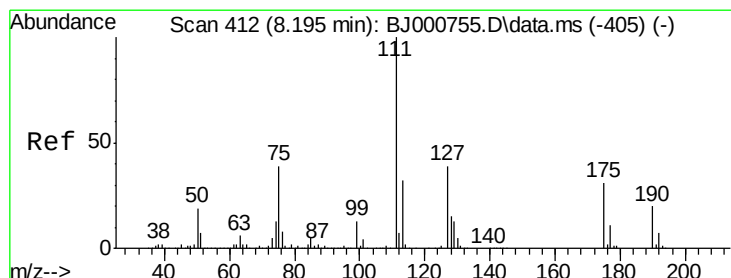
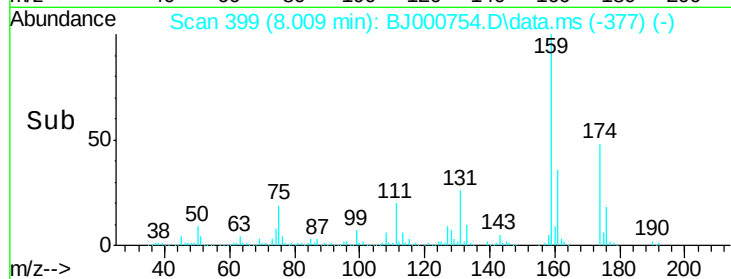
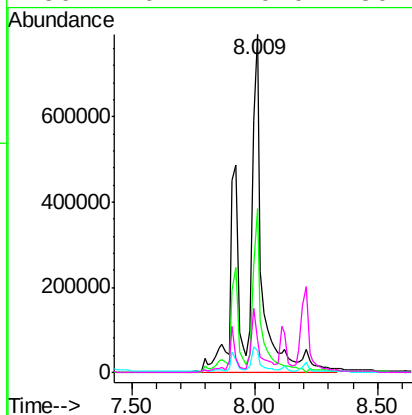
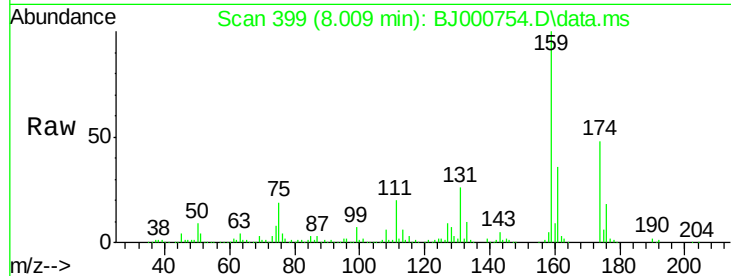
#13
p-Chlorophenylmethylsulfoxide
Concen: 34.36 ug/mL m
RT: 8.009 min Scan# 39
Delta R.T. 0.014 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Instrument :
BNA_J
ClientSampleId :
CWA-5

Tgt Ion	Ratio	Lower	Upper
159	100		
174	17.1	27.3	67.3#
108	2.9	0.0	28.2
50	6.2	0.0	36.4

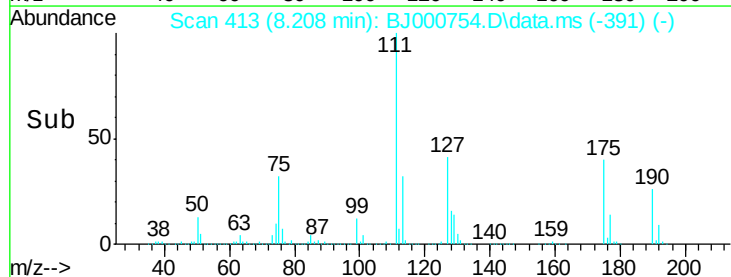
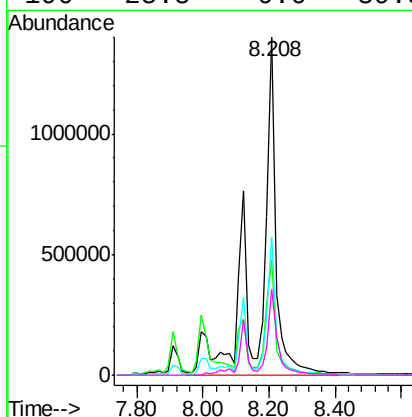
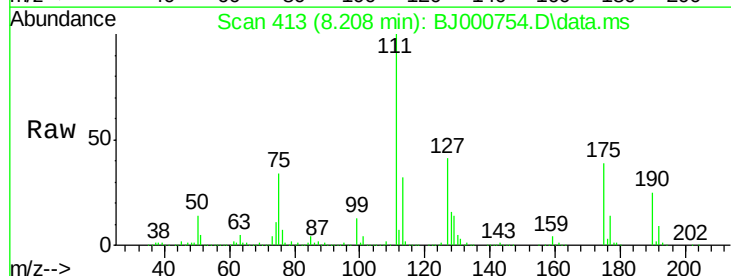
Manual Integrations
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#14
p-Chlorophenylmethylsulfone
Concen: 28.85 ug/mL m
RT: 8.208 min Scan# 413
Delta R.T. 0.014 min
Lab File: BJ000754.D
Acq: 17 Apr 2012 13:40

Tgt Ion	Ratio	Lower	Upper
111	100		
75	34.0	20.1	60.1
127	41.1	18.5	58.5
190	25.5	0.0	39.5



Data Path : Z:\HPCHEM1\BNA_J\data\BJ041712\
 Data File : BJ000754.D
 Acq On : 17 Apr 2012 13:40
 Operator : HLM
 Sample : CWA-5
 Misc : BNA_J HLM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 CWA-5

Manual Integrations
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 4/21/2012 4:18:05 AM

Quant Time: Apr 20 05:37:19 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ041712.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Tue Apr 17 16:51:03 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.707	152	295338	2.00	ug/mL	-0.03
6) Naphthalene-d8	6.045	136	1090318m	2.00	ug/mL	0.01
System Monitoring Compounds						
10) Tripropylphosphate	7.084	99	2317113m	6.10	ug/mL	0.00
Spiked Amount 0.500	Range 70	- 130	Recovery	= 1220.00%#		
12) 2-Bromothioanisole	7.340	204	1978722m	28.05	ug/mL	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	= 561.00%#		
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.644	94	1537918	11.28	ug/mL#	80
3) DMMP	3.597	79	421754	6.41	ug/mL	99
4) DIMP	4.949	97	1291469m	5.22	ug/mL	
5) 1,4-Oxathiane	3.740	46	1248766	11.78	ug/mL#	52
7) 1,4-Dithiane	5.149	46	993257m	12.54	ug/mL	
8) Thiodiglycol	5.974	61	7340239m	100.64	ug/mL	
9) Benzothiazole	6.259	135	7702278m	26.27	ug/mL	
11) p-Chlorophenylmethyisu...	6.586	158	5041675m	28.83	ug/mL	
13) p-Chlorophenylmethyisu...	8.009	159	3441262m	34.36	ug/mL	
14) p-Chlorophenylmethyisu...	8.208	111	4640920m	28.85	ug/mL	

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