

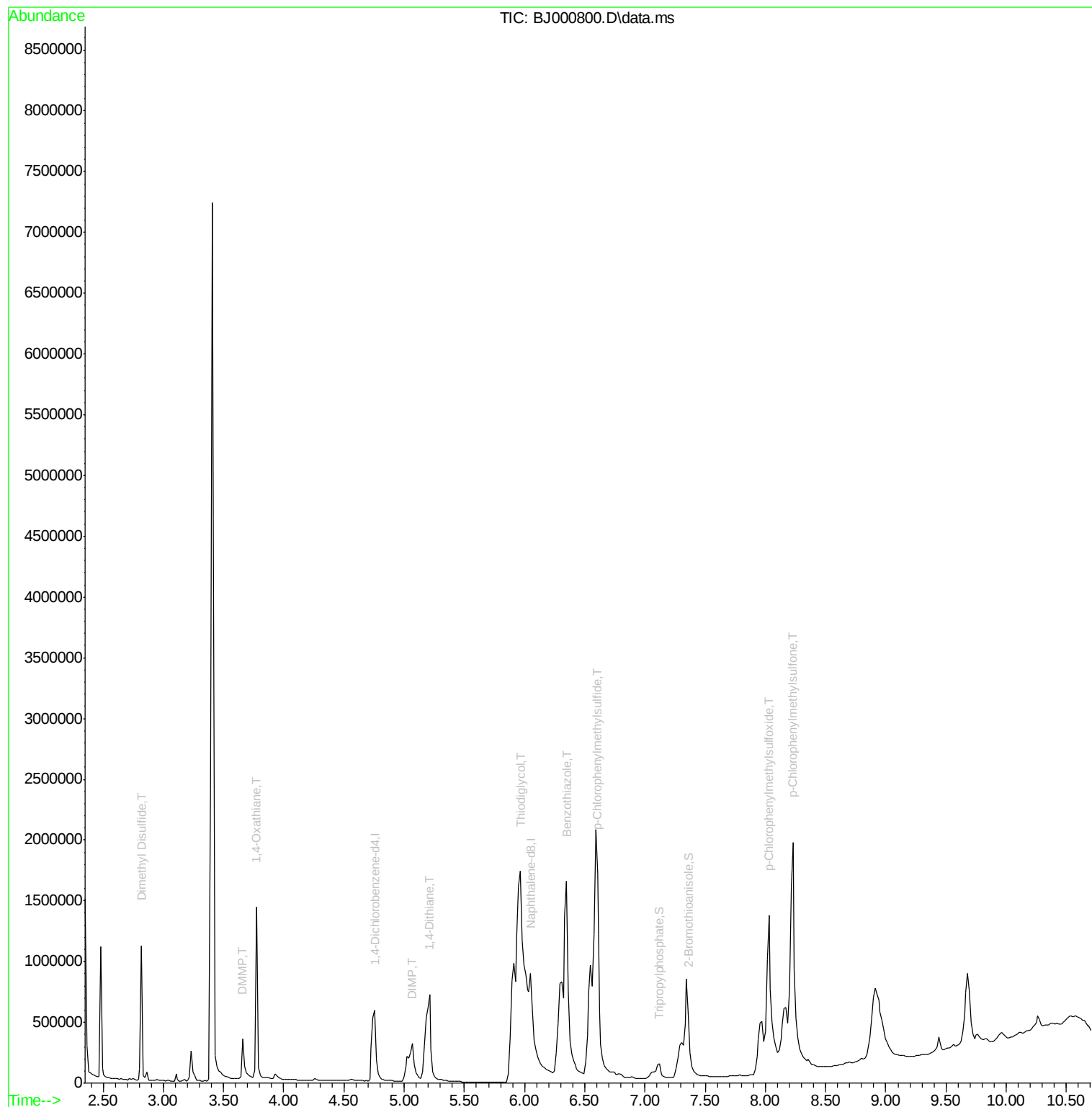
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Data File : BJ000800.D
Acq On : 26 Apr 2012 20:31
Operator : HLM
Sample : PB62574BS
Misc : WATER BNA_J HLM
ALS Vial : 16 Sample Multiplier: 1

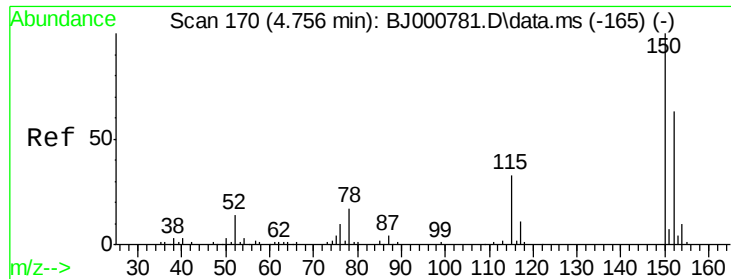
Instrument :
BNA_J
ClientSampleId :
PB62574BS

Manual Integrations
APPROVED

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5/3/2012 1:41:42 AM

Quant Time: May 03 01:30:39 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
Quant Title : CWA degradation products by GCMS
QLast Update : Fri Apr 27 11:32:02 2012
Response via : Initial Calibration





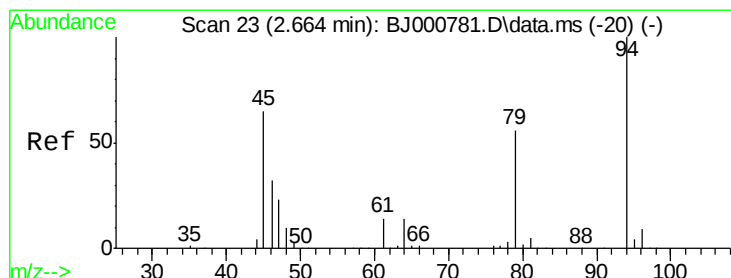
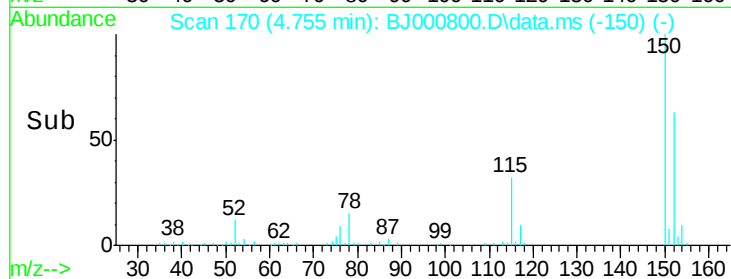
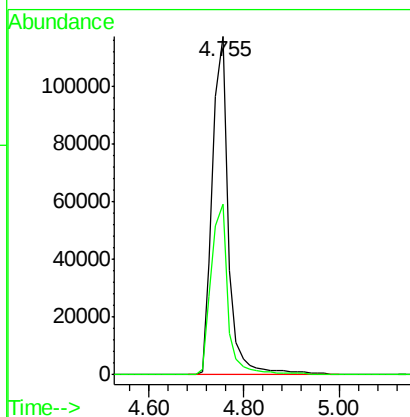
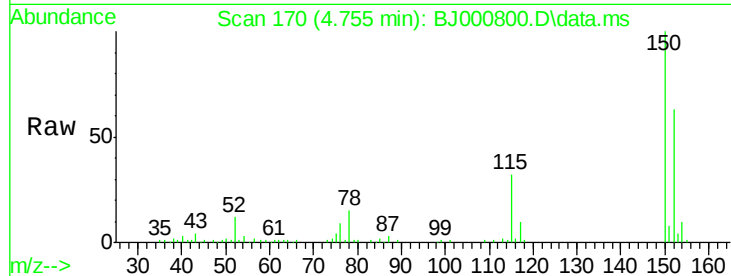
#1
 1,4-Dichlorobenzene-d4
 Concen: 2.00 ug/mL
 RT: 4.755 min Scan# 17
 Delta R.T. -0.009 min
 Lab File: BJ000800.D
 Acq: 26 Apr 2012 20:31

Instrument :
 BNA_J
 ClientSampleID :
 PB62574BS

Tgt Ion: 152 Resp: 275469
 Ion Ratio Lower Upper
 152 100
 115 50.5 24.2 64.2

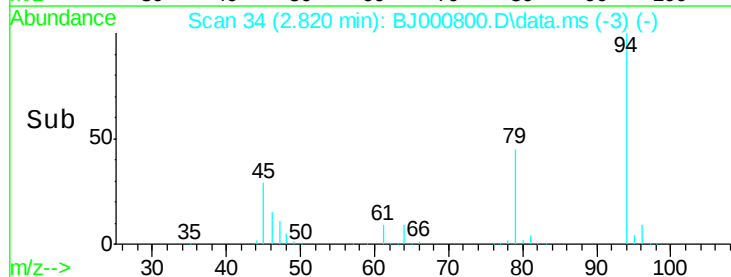
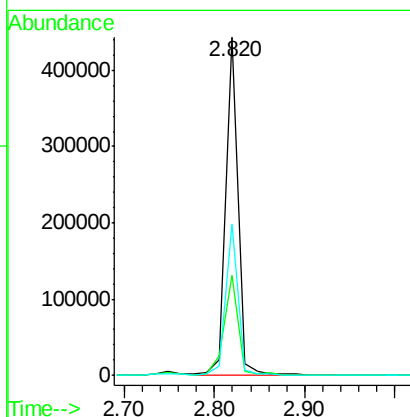
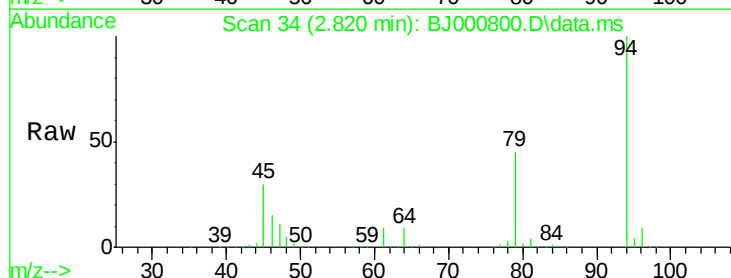
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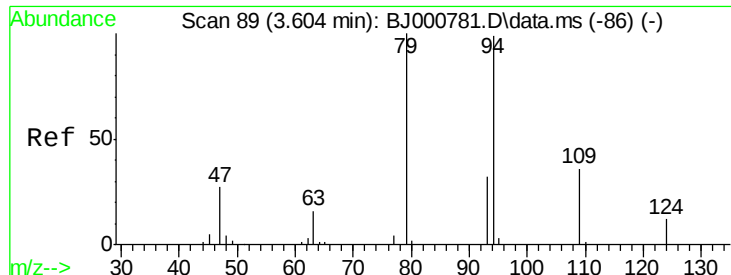
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#2
 Dimethyl Disulfide
 Concen: 4.15 ug/mL m
 RT: 2.820 min Scan# 34
 Delta R.T. 0.147 min
 Lab File: BJ000800.D
 Acq: 26 Apr 2012 20:31

Tgt Ion: 94 Resp: 420641
 Ion Ratio Lower Upper
 94 100
 45 29.6 42.7 82.7#
 79 44.6 35.3 75.3





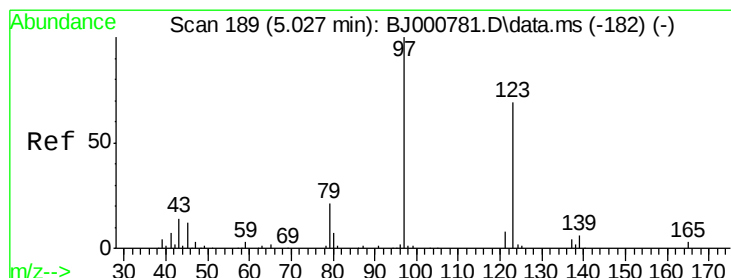
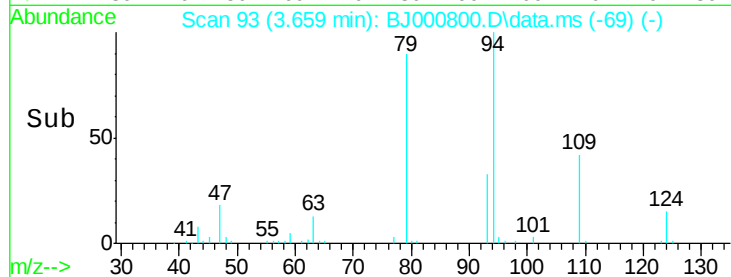
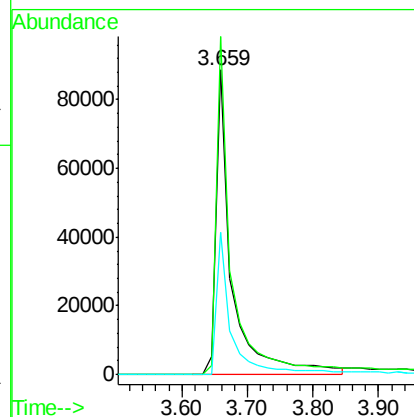
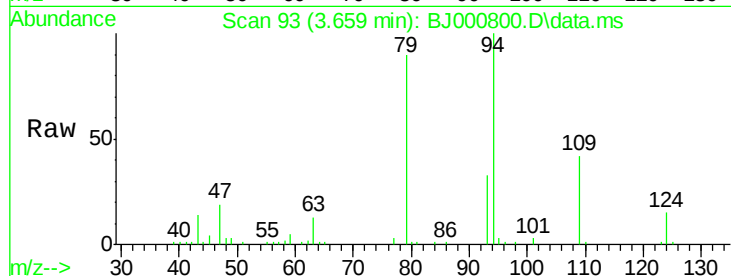
#3
DMMP
Concen: 1.74 ug/mL
RT: 3.659 min Scan# 93
Delta R.T. 0.048 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Instrument :
BNA_J
ClientSampleId :
PB62574BS

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	151114		
94	111.0	85.9	125.9	
109	46.6	20.8	60.8	

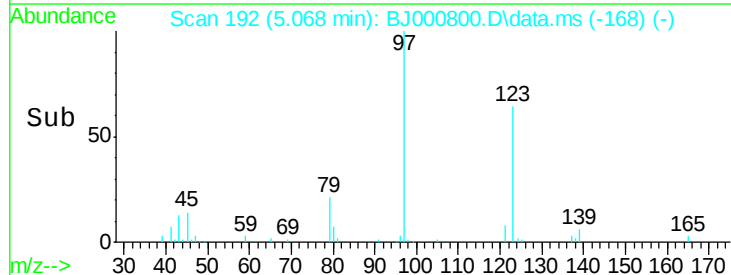
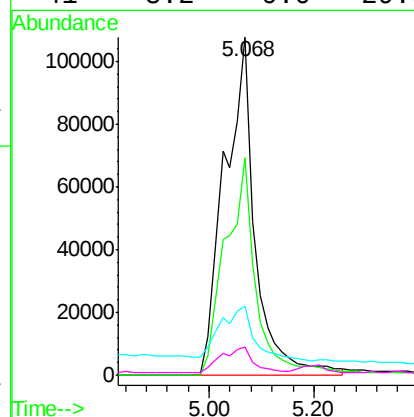
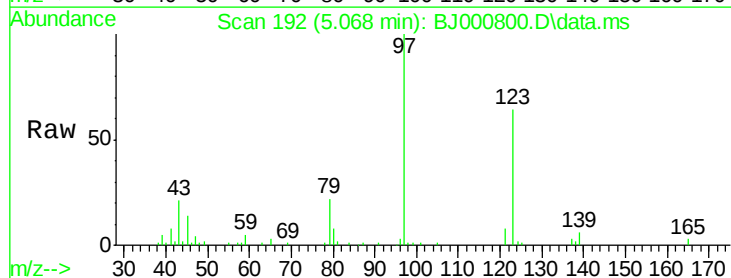
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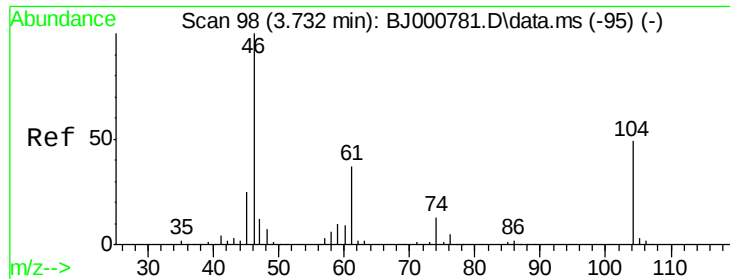
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#4
DIMP
Concen: 1.80 ug/mL
RT: 5.068 min Scan# 192
Delta R.T. 0.048 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	437018		
123	64.3	38.9	78.9	
43	20.6	0.0	38.8	
41	8.2	0.0	29.0	





#5

1,4-Oxathiane

Concen: 4.12 ug/mL

RT: 3.773 min Scan# 10

Delta R.T. 0.033 min

Lab File: BJ000800.D

Acq: 26 Apr 2012 20:31

Instrument :

BNA_J

ClientSampleId :

PB62574BS

Tgt Ion: 46 Resp: 402049
Ion Ratio Lower Upper

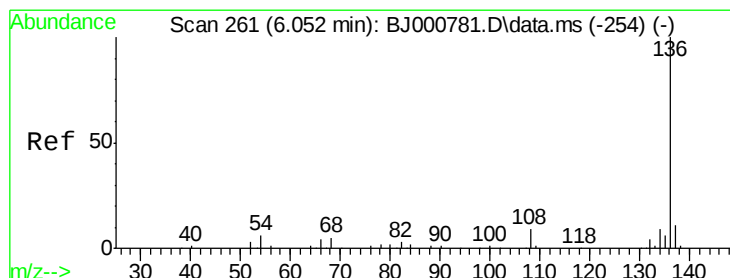
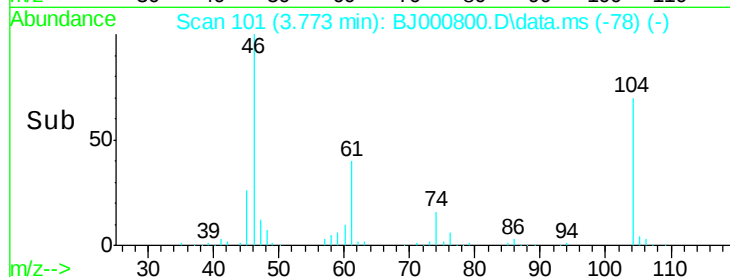
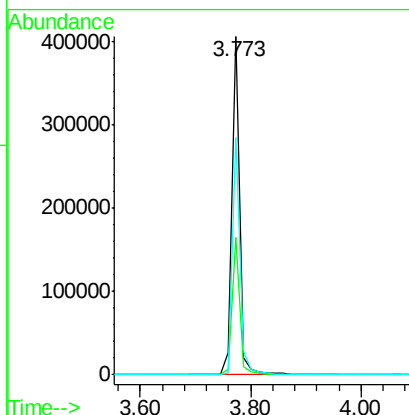
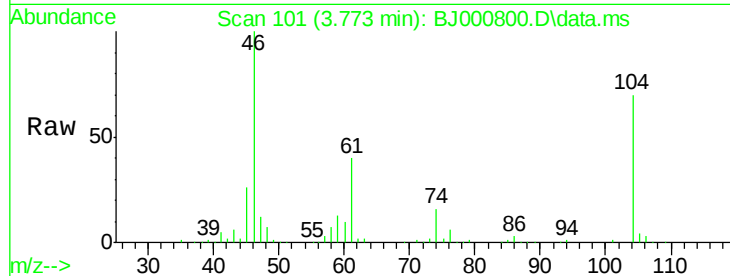
46 100

61 40.4 23.6 63.6

104 70.0 76.3 116.3#

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#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 6.050 min Scan# 261

Delta R.T. -0.009 min

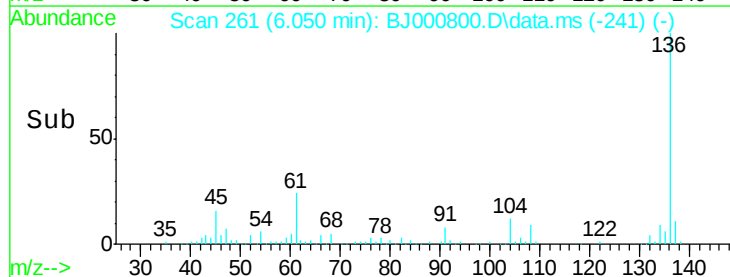
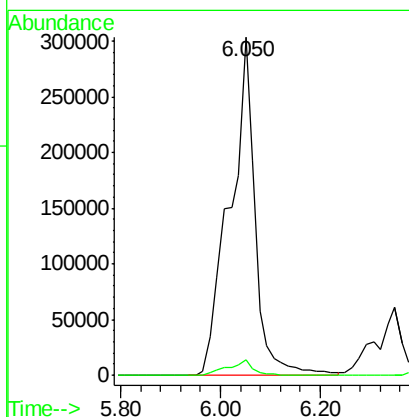
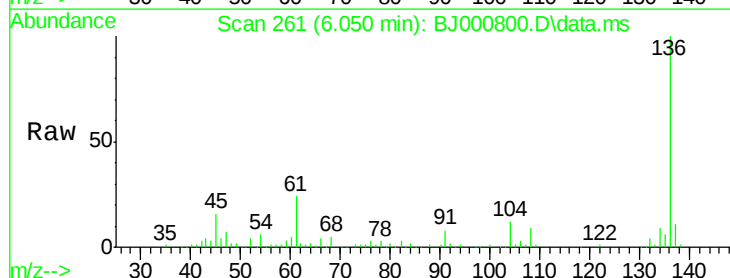
Lab File: BJ000800.D

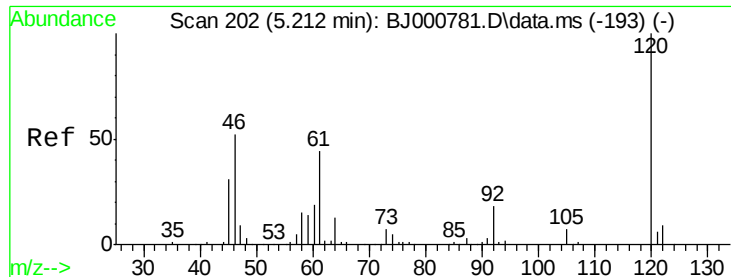
Acq: 26 Apr 2012 20:31

Tgt Ion: 136 Resp: 1068444
Ion Ratio Lower Upper

136 100

68 4.6 0.0 23.3





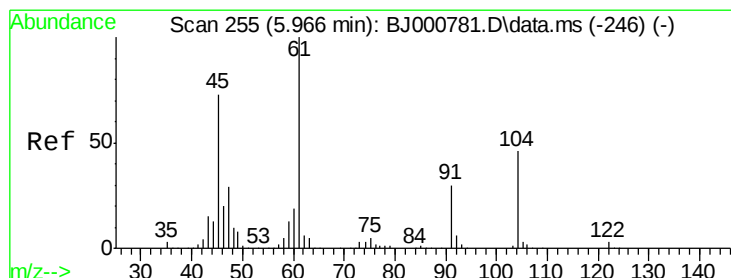
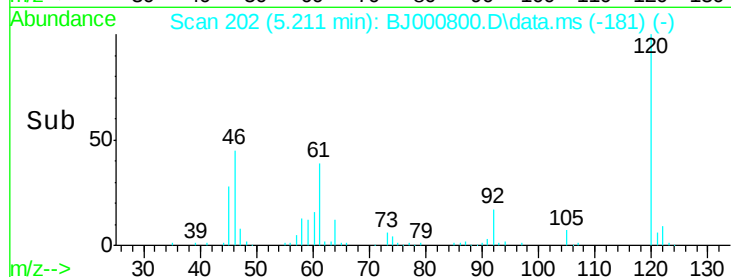
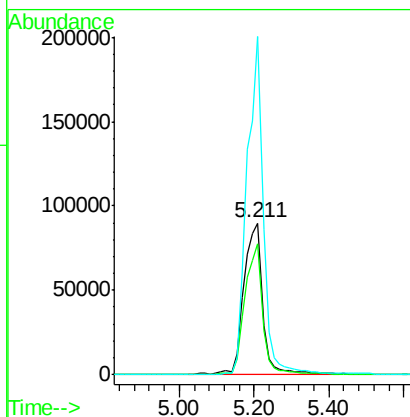
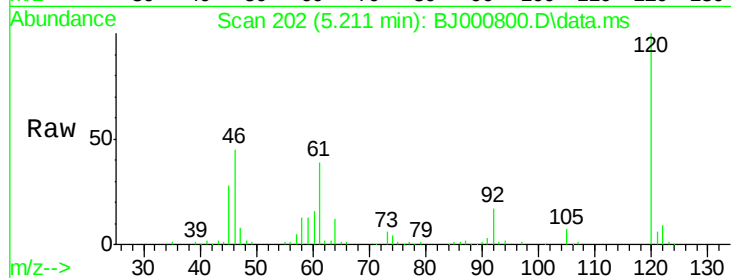
#7
 1,4-Dithiane
 Concen: 4.46 ug/mL
 RT: 5.211 min Scan# 20
 Delta R.T. 0.005 min
 Lab File: BJ000800.D
 Acq: 26 Apr 2012 20:31

Instrument :
 BNA_J
 ClientSampleId :
 PB62574BS

Tgt Ion	Ratio	Resp	Lower	Upper
46	100	314837		
61	86.0	60.3	100.3	
120	223.1	146.0	186.0	#

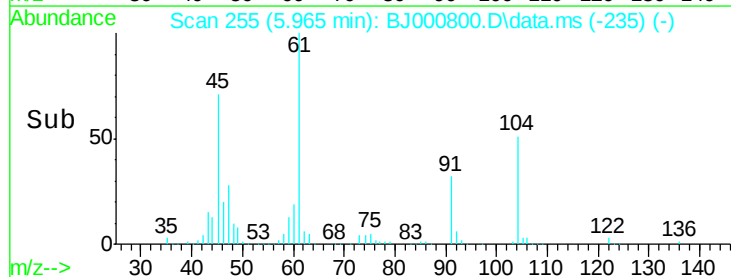
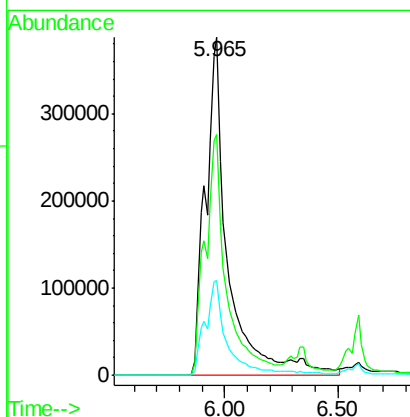
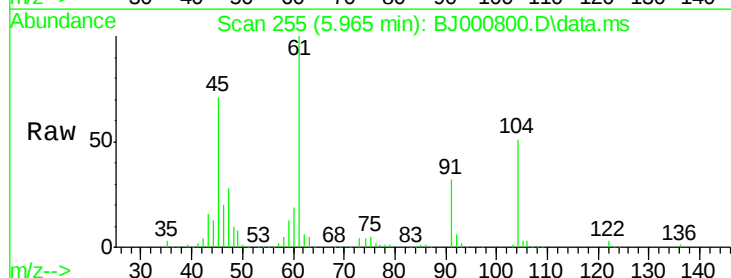
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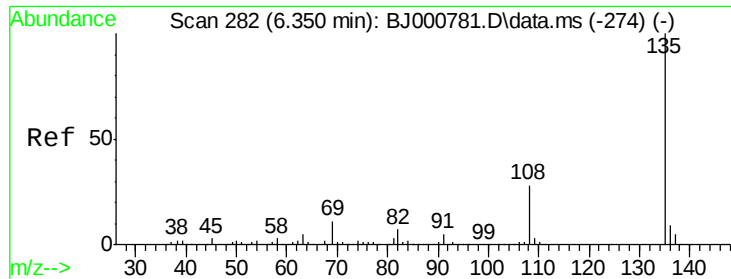
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#8
 Thiodiglycol
 Concen: 38.01 ug/mL m
 RT: 5.965 min Scan# 255
 Delta R.T. -0.009 min
 Lab File: BJ000800.D
 Acq: 26 Apr 2012 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	2689557		
45	71.1	50.6	90.6	
47	28.1	8.3	48.3	





#9

Benzothiazole

Concen: 9.92 ug/mL

RT: 6.349 min Scan# 28

Delta R.T. 0.005 min

Lab File: BJ000800.D

Acq: 26 Apr 2012 20:31

Instrument :

BNA_J

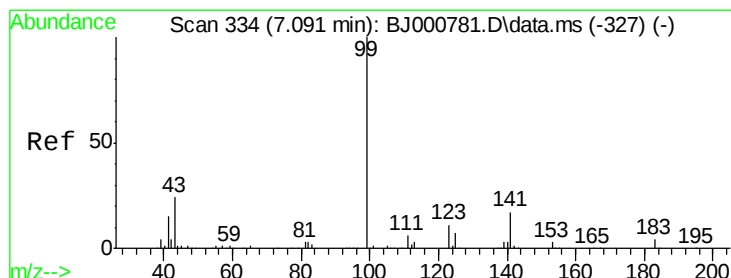
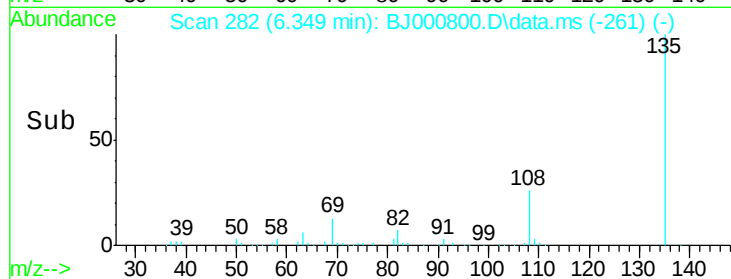
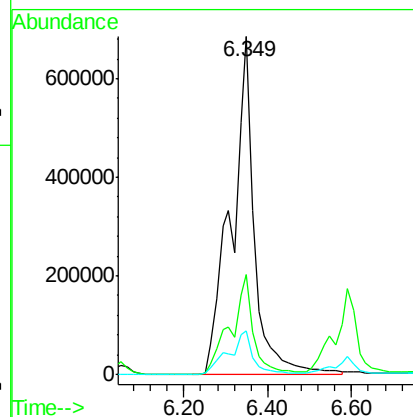
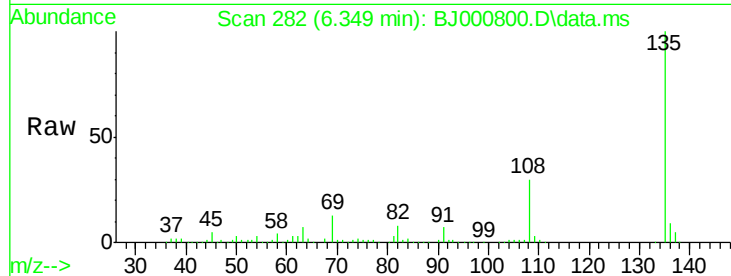
ClientSampleId :

PB62574BS

Tgt Ion	Ratio	Lower	Upper
135	100		
108	29.6	11.1	51.1
69	13.0	0.0	34.6

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#10

Tripropylphosphate

Concen: 0.56 ug/mL

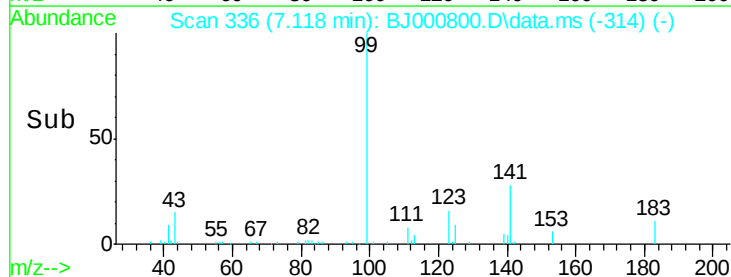
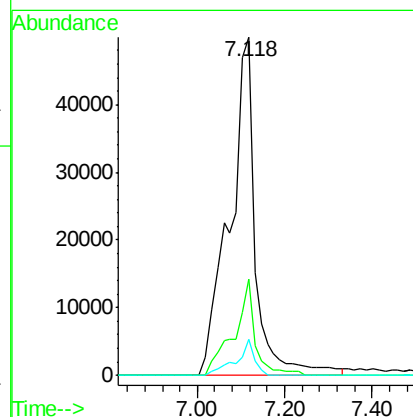
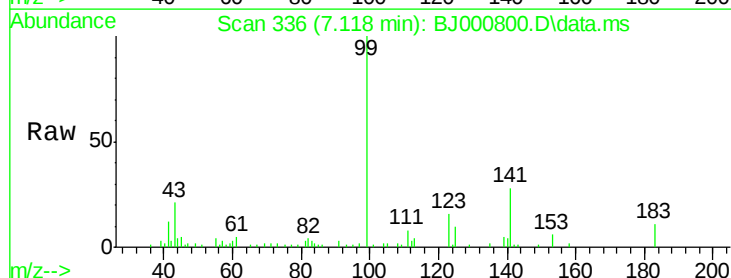
RT: 7.118 min Scan# 336

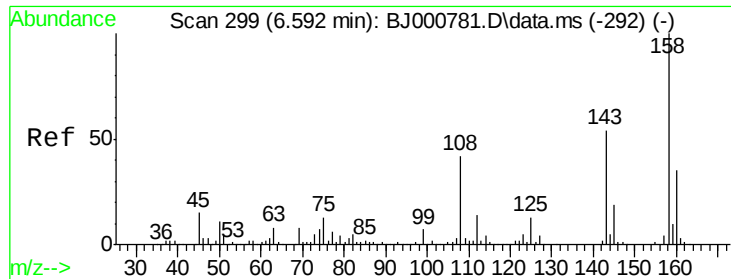
Delta R.T. 0.019 min

Lab File: BJ000800.D

Acq: 26 Apr 2012 20:31

Tgt Ion	Ratio	Lower	Upper
99	100		
141	23.3	18.7	28.1
183	7.4	6.1	9.1





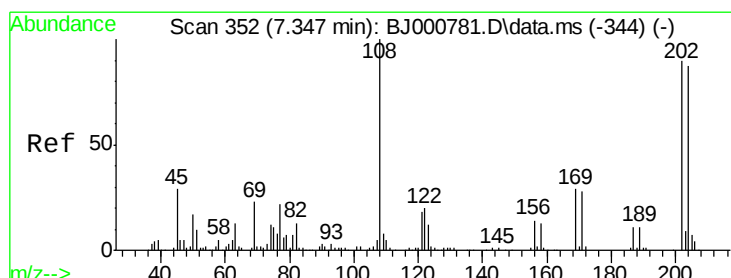
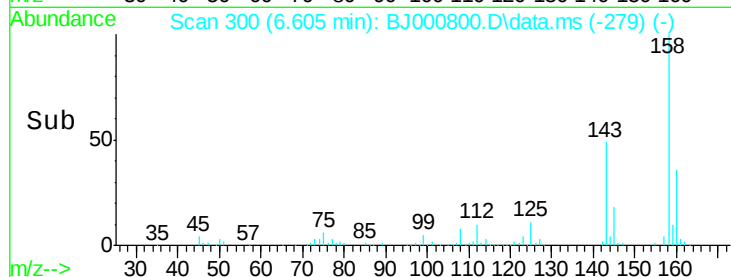
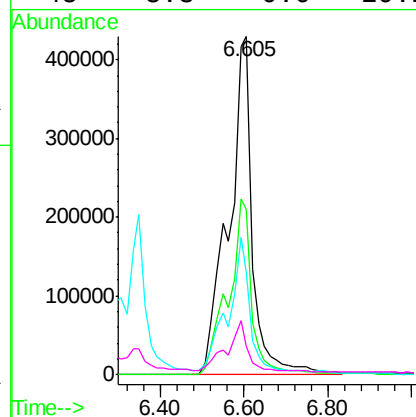
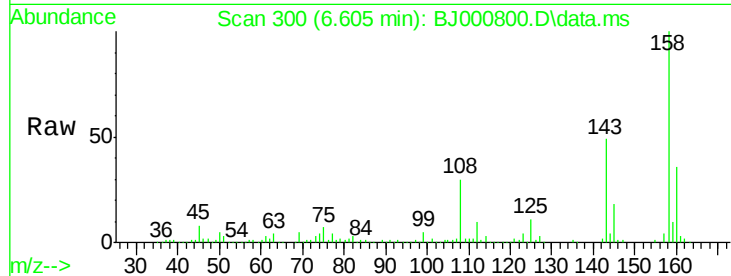
#11
p-Chlorophenylmethylsulfide
Concen: 9.21 ug/mL
RT: 6.605 min Scan# 30
Delta R.T. 0.005 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Instrument :
BNA_J
ClientSampleId :
PB62574BS

Tgt Ion	Ratio	Lower	Upper
158	100		
143	48.8	30.8	70.8
108	30.3	14.1	54.1
45	8.3	0.0	29.1

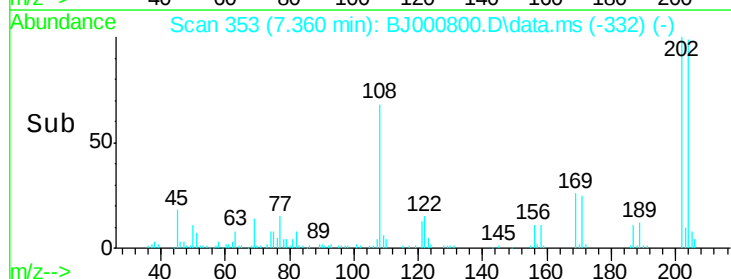
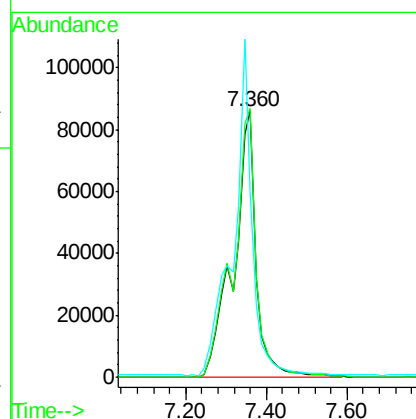
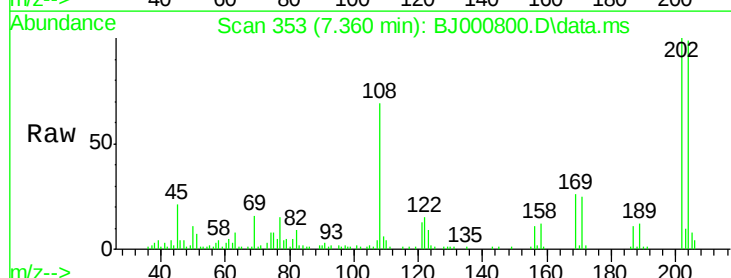
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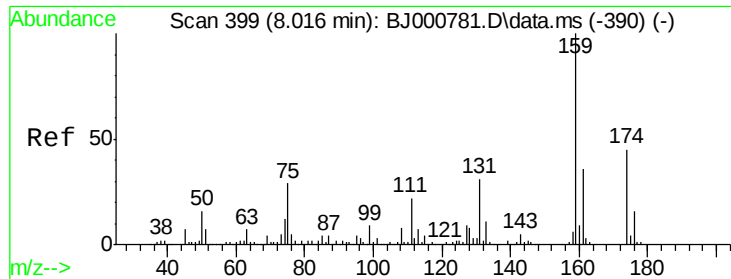
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#12
2-Bromothioanisole
Concen: 4.80 ug/mL
RT: 7.360 min Scan# 353
Delta R.T. 0.005 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Tgt Ion	Ratio	Lower	Upper
204	100		
202	101.2	82.8	122.8
108	69.6	49.2	89.2





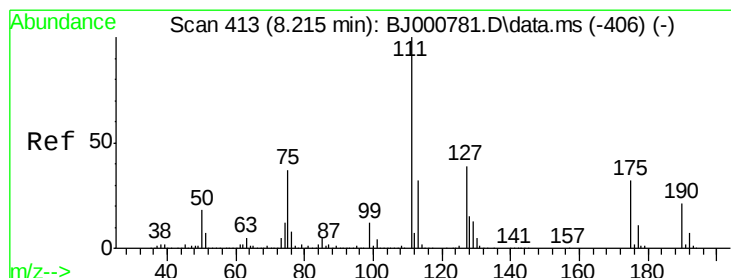
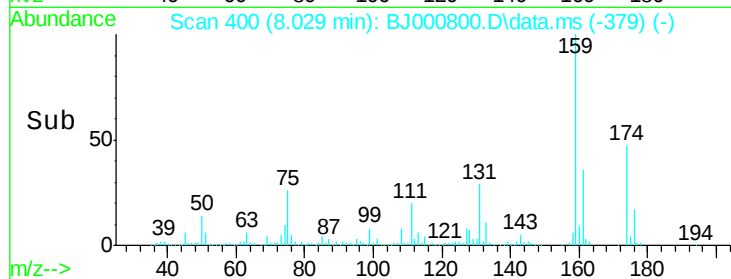
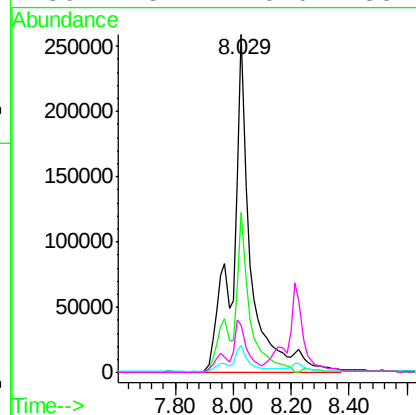
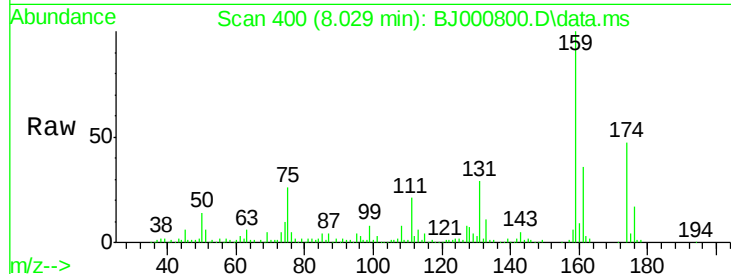
#13
p-Chlorophenylmethylsulfoxide
Concen: 10.86 ug/mL m
RT: 8.029 min Scan# 40
Delta R.T. 0.005 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Instrument :
BNA_J
ClientSampleId :
PB62574BS

Tgt Ion	Ratio	Lower	Upper
159	100		
174	33.7	28.6	68.6
108	4.7	0.0	28.2
50	8.2	0.0	36.1

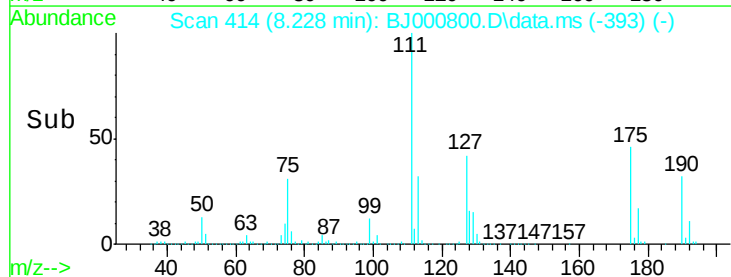
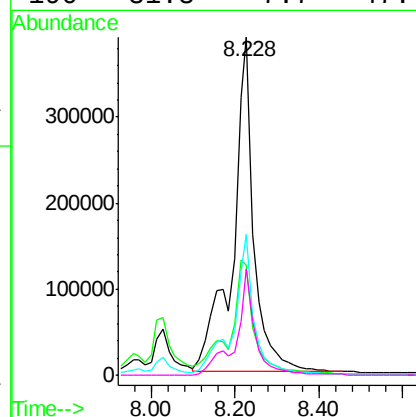
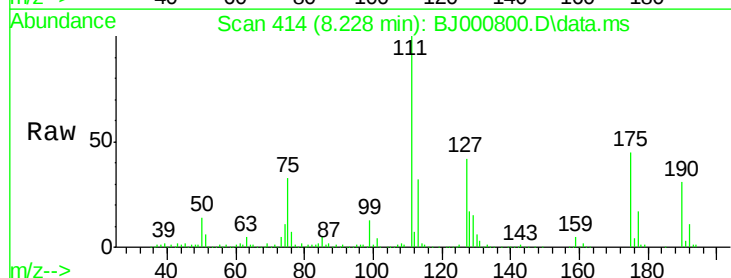
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#14
p-Chlorophenylmethylsulfone
Concen: 9.01 ug/mL
RT: 8.228 min Scan# 414
Delta R.T. 0.005 min
Lab File: BJ000800.D
Acq: 26 Apr 2012 20:31

Tgt Ion	Ratio	Lower	Upper
111	100		
75	32.5	12.8	52.8
127	41.7	21.9	61.9
190	31.3	7.7	47.7



Data Path : Z:\HPCHEM1\BNA_J\data\BJ042612\
 Data File : BJ000800.D
 Acq On : 26 Apr 2012 20:31
 Operator : HLM
 Sample : PB62574BS
 Misc : WATER BNA_J HLM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 PB62574BS

Manual Integrations
 APPROVED

AHPatel
 5/3/2012 1:41:42 AM

Quant Time: May 03 01:30:39 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ042612.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Fri Apr 27 11:32:02 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	275469	2.00	ug/mL	0.00
6) Naphthalene-d8	6.050	136	1068444	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	7.118	99	203793	0.56	ug/mL	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery	=	112.00%	
12) 2-Bromothioanisole	7.360	204	336270	4.80	ug/mL	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery	=	96.00%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.820	94	420641m	4.15	ug/mL	
3) DMMP	3.659	79	151114	1.74	ug/mL	94
4) DIMP	5.068	97	437018	1.80	ug/mL	94
5) 1,4-Oxathiane	3.773	46	402049	4.12	ug/mL#	80
7) 1,4-Dithiane	5.211	46	314837	4.46	ug/mL#	69
8) Thiodiglycol	5.965	61	2689557m	38.01	ug/mL	
9) Benzothiazole	6.349	135	2636949	9.92	ug/mL	97
11) p-Chlorophenylmethyisu...	6.605	158	1694258	9.21	ug/mL	96
13) p-Chlorophenylmethyisu...	8.029	159	1114221m	10.86	ug/mL	
14) p-Chlorophenylmethyisu...	8.228	111	1363670	9.01	ug/mL	98

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