

Data Path : S:\HPCHEM1\BNA_J\data\BJ100312\
 Data File : BJ001164.D
 Acq On : 3 Oct 2012 17:49
 Operator : HLM
 Sample : D4327-08MSD
 Misc : SOIL BNA_J HLM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_J
 ClientSampleId :
 4707WL-1(0.5)MSD

Manual Integrations
 APPROVED

AHPatel
 10/9/2012 7:06:23 AM

Quant Time: Oct 09 04:58:48 2012
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ092412.M
 Quant Title : CWA degradation products by GCMS
 QLast Update : Wed Oct 03 18:08:25 2012
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.402	152	498778	2.00	ug/mL	-0.01
6) Naphthalene-d8	5.683	136	2153702	2.00	ug/mL	0.00
System Monitoring Compounds						
10) Tripropylphosphate	6.779	99	396467	0.49	ug/mL	0.03
Spiked Amount 0.500	Range	70 - 130	Recovery	=	98.00%	
12) 2-Bromothioanisole	6.978	204	657667	4.02	ug/mL	0.00
Spiked Amount 5.000	Range	70 - 130	Recovery	=	80.40%	
Target Compounds						
						Qvalue
2) Dimethyl Disulfide	2.453	94	781297	4.40	ug/mL#	80
3) DMMP	3.349	79	328951	1.85	ug/mL#	78
4) DIMP	4.772	97	1300339	2.97	ug/mL	93
5) 1,4-Oxathiane	3.435	46	626506	3.12	ug/mL#	1
7) 1,4-Dithiane	4.844	46	642747	3.93	ug/mL#	83
8) Thiodiglycol	5.641	61	3836448m	25.36	ug/mL	
9) Benzothiazole	5.982	135	5274455	8.41	ug/mL	98
11) p-Chlorophenylmethyisu...	6.224	158	2654334	7.75	ug/mL#	74
13) p-Chlorophenylmethyisu...	7.647	159	2199631	8.49	ug/mL	99
14) p-Chlorophenylmethyisu...	7.847	111	2771809	8.70	ug/mL	93

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

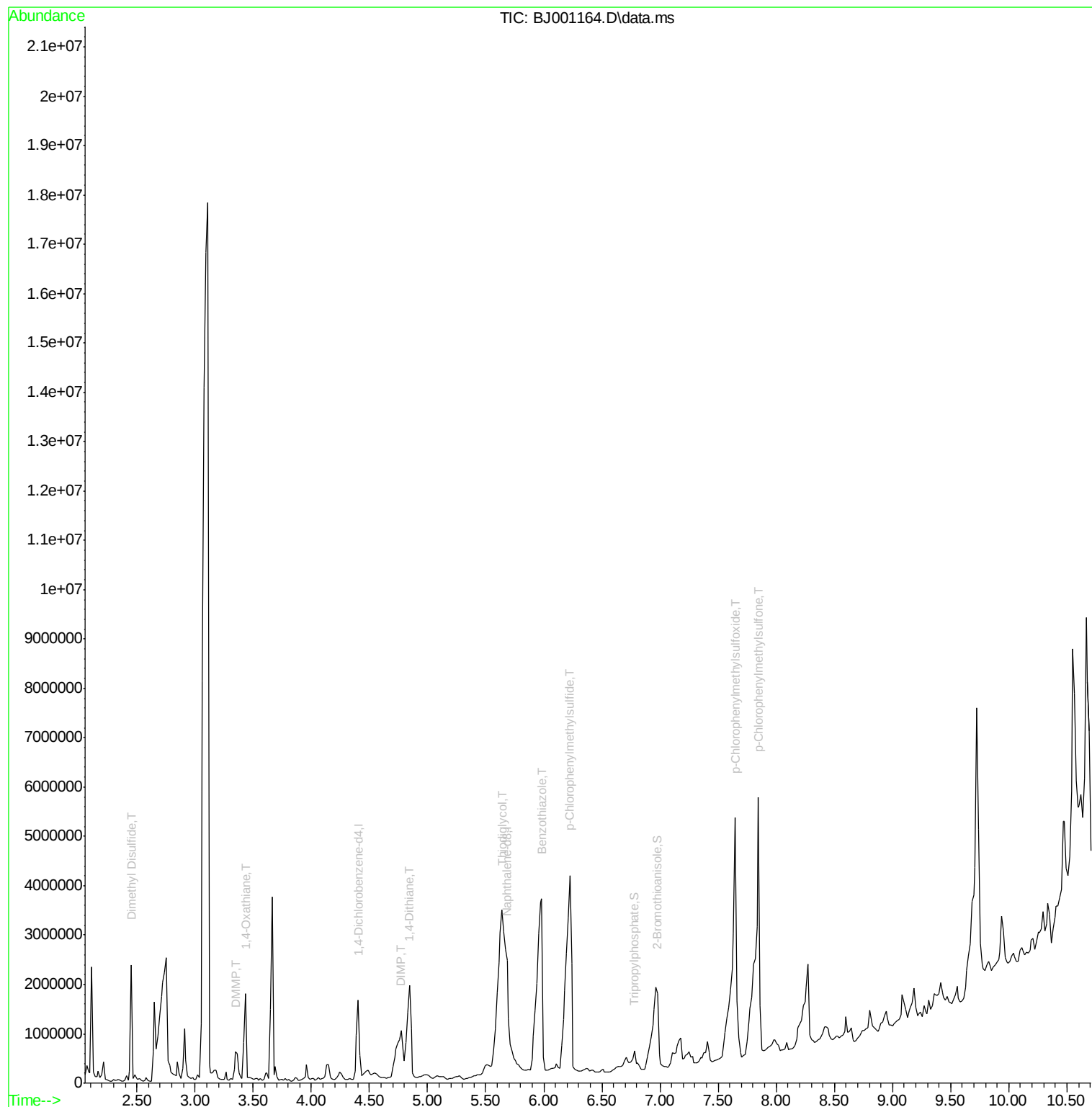
Data Path : S:\HPCHEM1\BNA_J\data\BJ100312\
Data File : BJ001164.D
Acq On : 3 Oct 2012 17:49
Operator : HLM
Sample : D4327-08MSD
Misc : SOIL BNA_J HLM
ALS Vial : 12 Sample Multiplier: 1

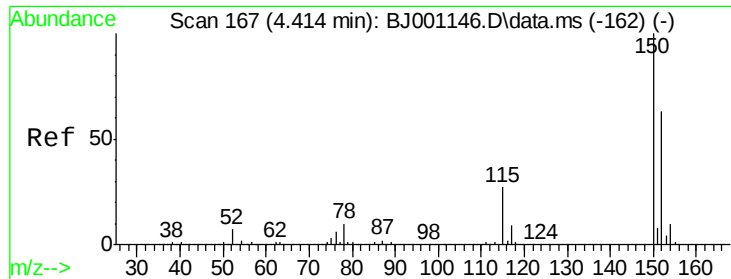
Instrument :
BNA_J
ClientSampleId :
4707WL-1(0.5)MSD

Manual Integrations
APPROVED

AHPatel
10/9/2012 7:06:23 AM

Quant Time: Oct 09 04:58:48 2012
Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ092412.M
Quant Title : CWA degradation products by GCMS
QLast Update : Wed Oct 03 18:08:25 2012
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 2.00 ug/mL

RT: 4.402 min Scan# 16

Delta R.T. -0.012 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Instrument :

BNA_J

ClientSampleId :

4707WL-1(0.5)MSD

Tgt Ion:152 Resp: 498778

Ion Ratio Lower Upper

152 100

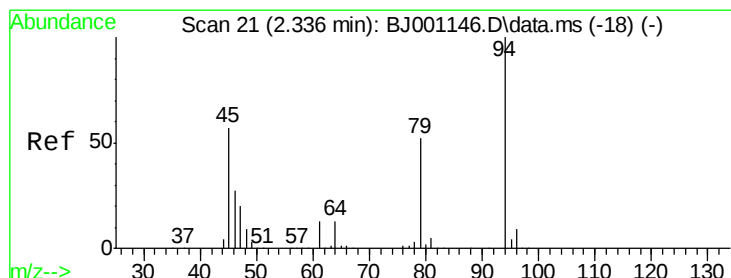
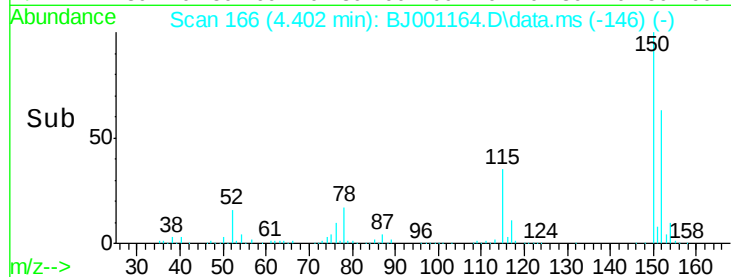
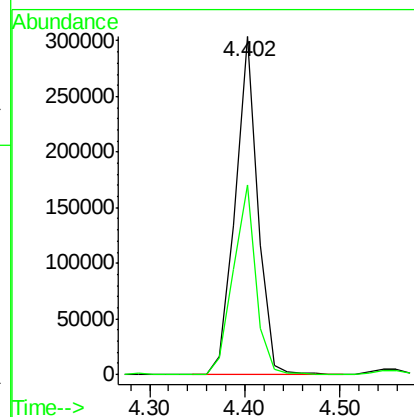
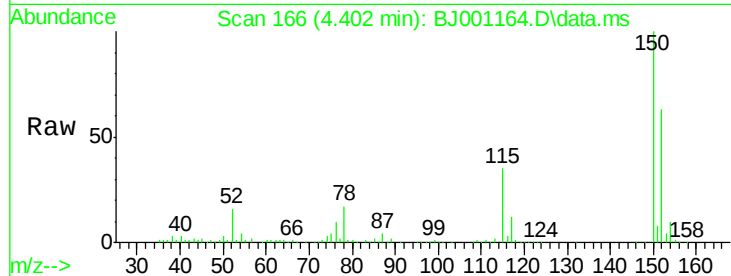
115 56.0 28.2 68.2

Manual Integrations

APPROVED

AHPatel

10/9/2012 7:06:23 AM



#2

Dimethyl Disulfide

Concen: 4.40 ug/mL

RT: 2.453 min Scan# 29

Delta R.T. 0.101 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

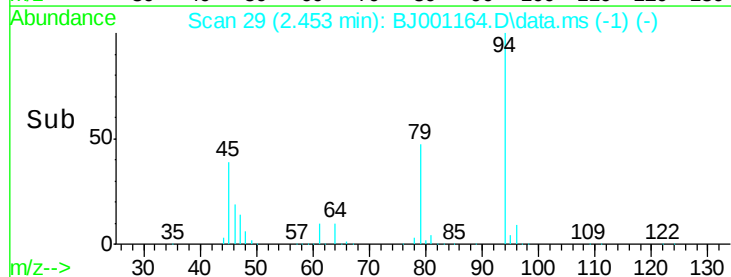
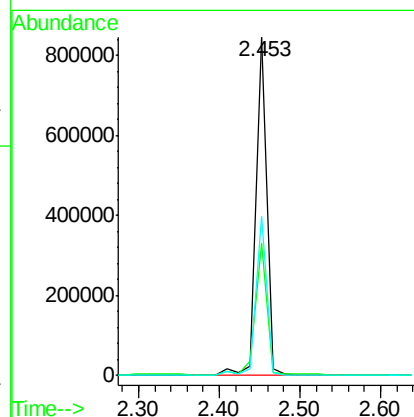
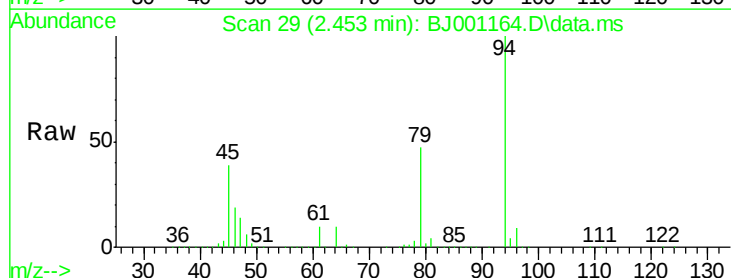
Tgt Ion: 94 Resp: 781297

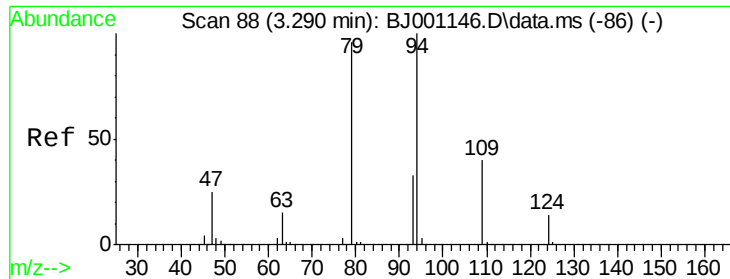
Ion Ratio Lower Upper

94 100

45 39.0 42.3 82.3#

79 47.1 33.0 73.0





#3

DMMP

Concen: 1.85 ug/mL

RT: 3.349 min Scan# 92

Delta R.T. 0.059 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Instrument :

BNA_J

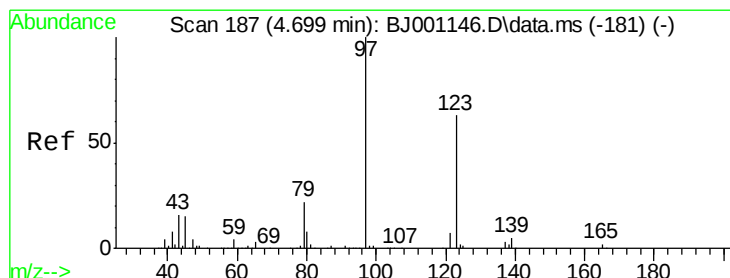
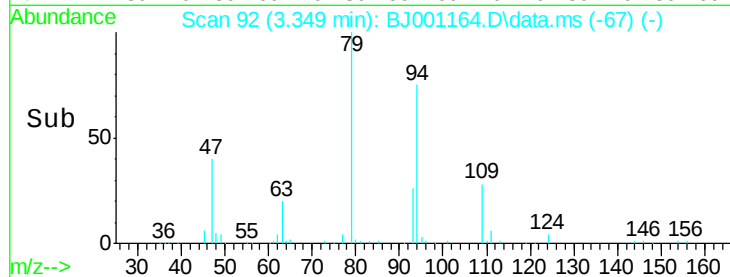
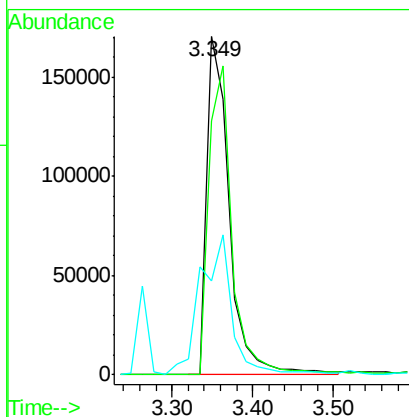
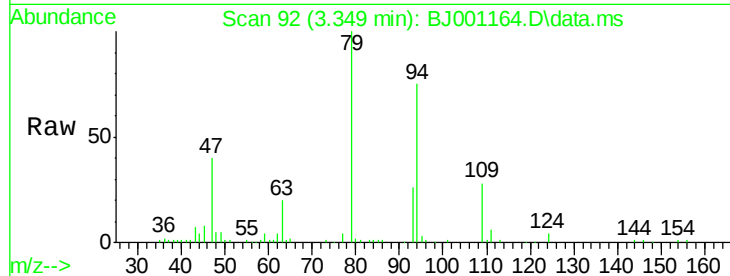
ClientSampleId :

4707WL-1(0.5)MSD

Tgt Ion:	79	Resp:	328951
Ion Ratio	Lower	Upper	
79	100		
94	75.2	78.6	118.6#
109	27.6	17.6	57.6

Manual Integrations
APPROVED

AHPatel
10/9/2012 7:06:23 AM



#4

DIMP

Concen: 2.97 ug/mL

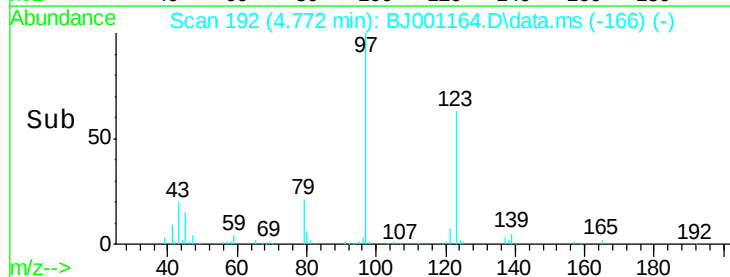
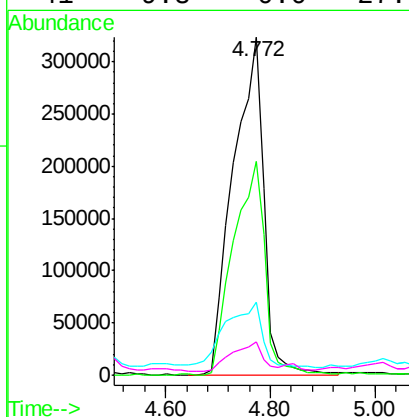
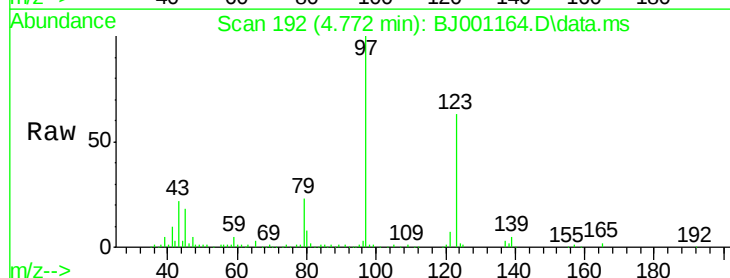
RT: 4.772 min Scan# 192

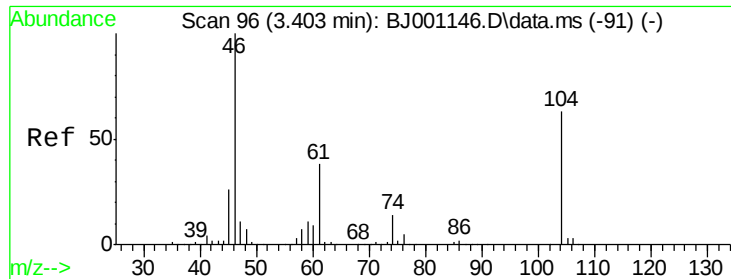
Delta R.T. 0.073 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Tgt Ion:	97	Resp:	1300339
Ion Ratio	Lower	Upper	
97	100		
123	63.3	47.5	87.5
43	21.8	0.0	34.6
41	9.8	0.0	27.0





#5

1,4-Oxathiane

Concen: 3.12 ug/mL

RT: 3.435 min Scan# 98

Delta R.T. 0.030 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Instrument :

BNA_J

ClientSampleId :

4707WL-1(0.5)MSD

Tgt Ion: 46 Resp: 626506

Ion Ratio Lower Upper

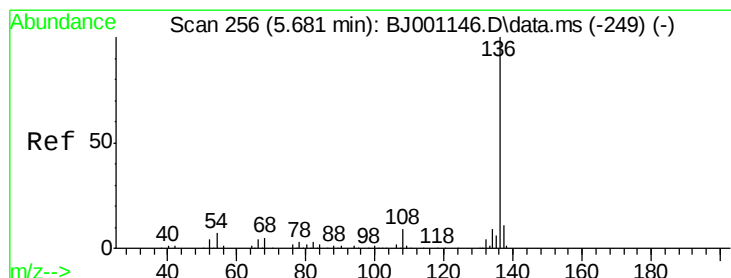
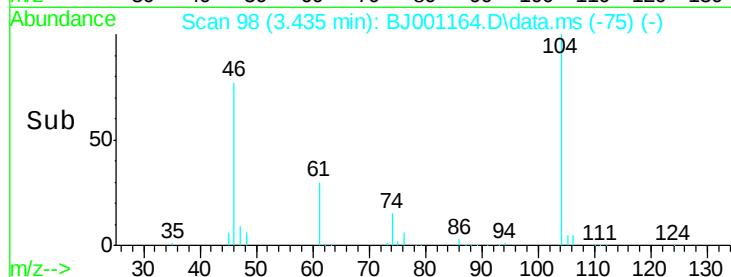
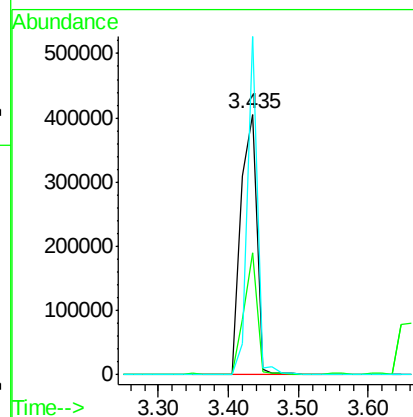
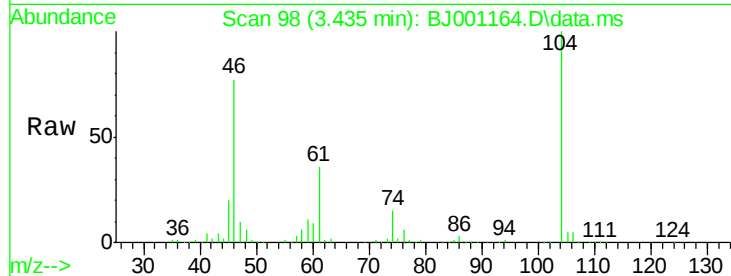
46 100

61 46.7 11.9 51.9

104 129.8 11.7 51.7#

Manual Integrations
APPROVED

AHPatel
10/9/2012 7:06:23 AM



#6

Naphthalene-d8

Concen: 2.00 ug/mL

RT: 5.683 min Scan# 256

Delta R.T. 0.002 min

Lab File: BJ001164.D

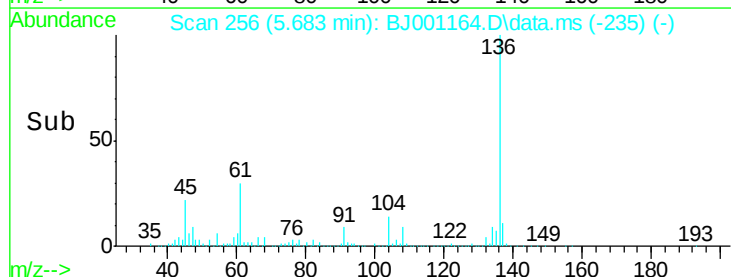
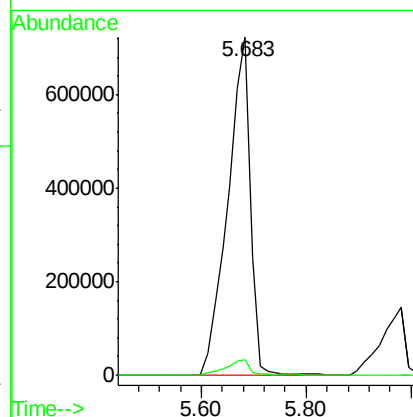
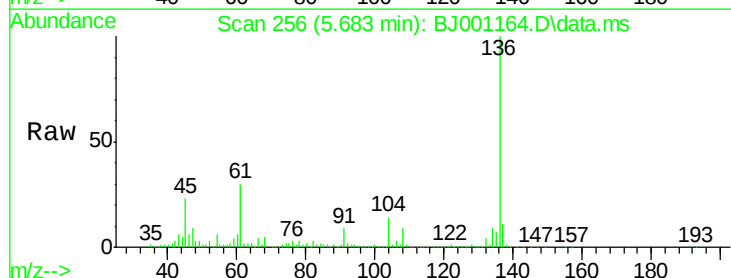
Acq: 3 Oct 2012 17:49

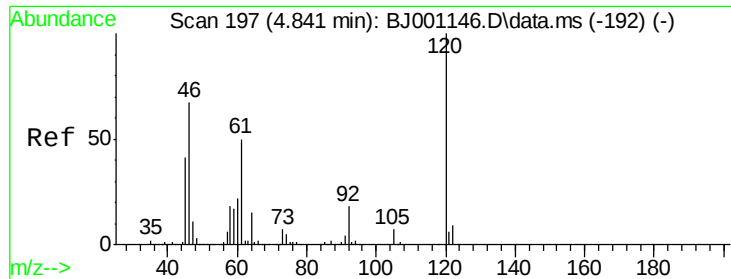
Tgt Ion: 136 Resp: 2153702

Ion Ratio Lower Upper

136 100

68 4.6 0.0 24.8





#7

1,4-Dithiane

Concen: 3.93 ug/mL

RT: 4.844 min Scan# 19

Delta R.T. -0.012 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Instrument :

BNA_J

ClientSampleId :

4707WL-1(0.5)MSD

Tgt Ion: 46 Resp: 642747

Ion Ratio Lower Upper

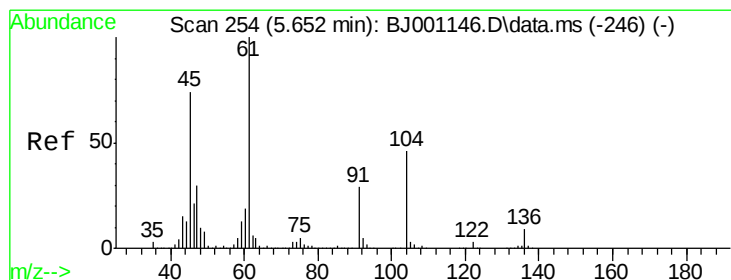
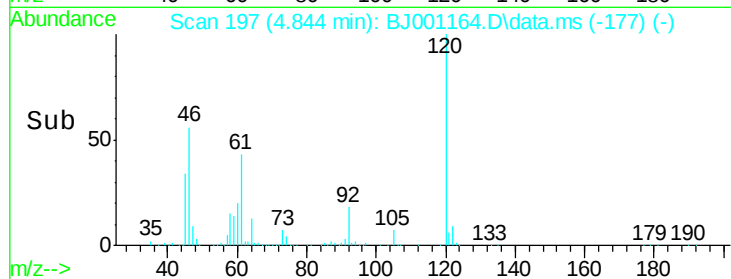
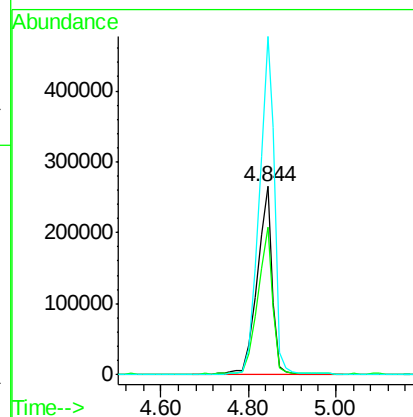
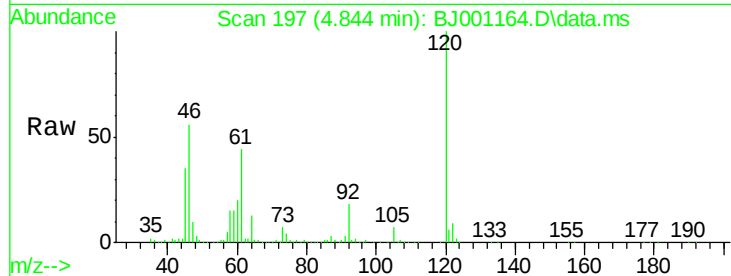
46 100

61 78.5 61.8 101.8

120 179.9 194.6 234.6#

Manual Integrations
APPROVED

AHPatel
10/9/2012 7:06:23 AM



#8

Thiodiglycol

Concen: 25.36 ug/mL m

RT: 5.641 min Scan# 253

Delta R.T. 0.002 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

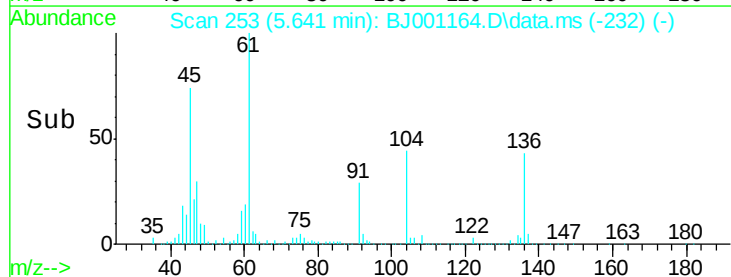
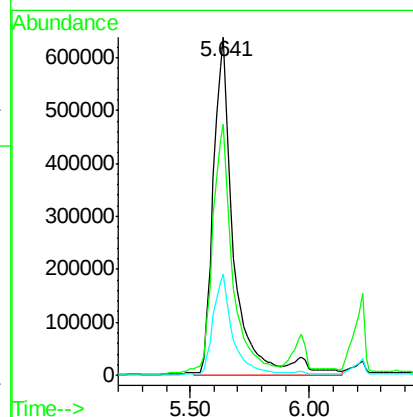
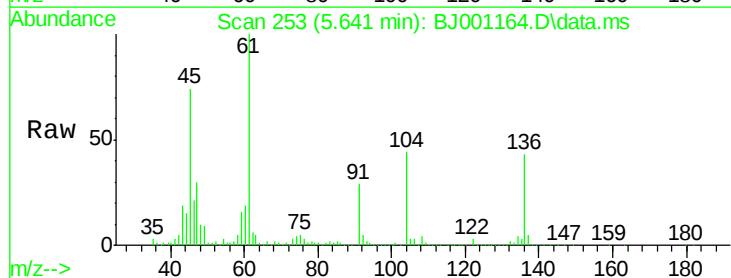
Tgt Ion: 61 Resp: 3836448

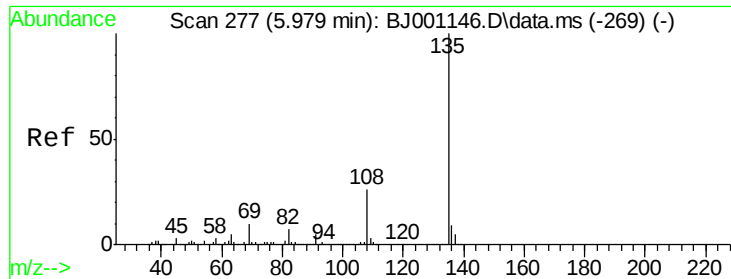
Ion Ratio Lower Upper

61 100

45 74.3 55.5 95.5

47 29.8 10.3 50.3





#9

Benzothiazole

Concen: 8.41 ug/mL

RT: 5.982 min Scan# 27

Delta R.T. 0.002 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

Instrument :

BNA_J

ClientSampleId :

4707WL-1(0.5)MSD

Tgt Ion:135 Resp: 5274455

Ion Ratio Lower Upper

135 100

108 26.1 5.2 45.2

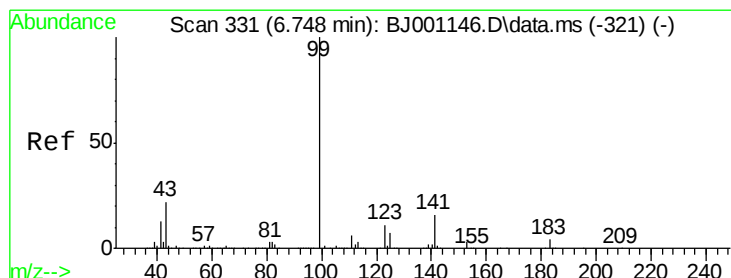
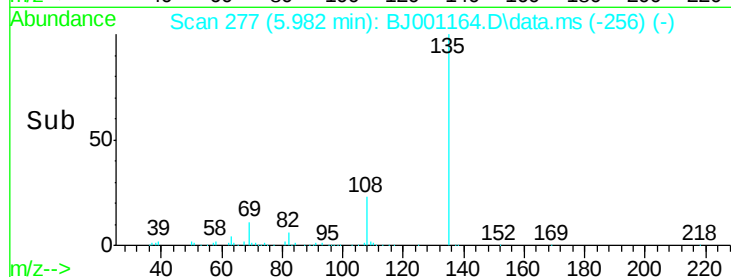
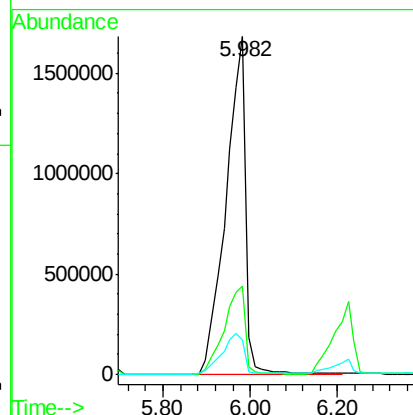
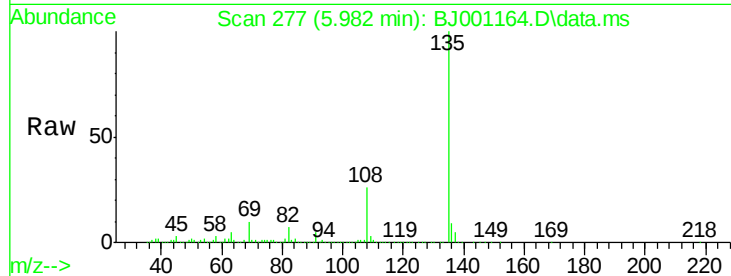
69 10.3 0.0 29.2

Manual Integrations

APPROVED

AHPatel

10/9/2012 7:06:23 AM



#10

Tripropylphosphate

Concen: 0.49 ug/mL

RT: 6.779 min Scan# 333

Delta R.T. 0.030 min

Lab File: BJ001164.D

Acq: 3 Oct 2012 17:49

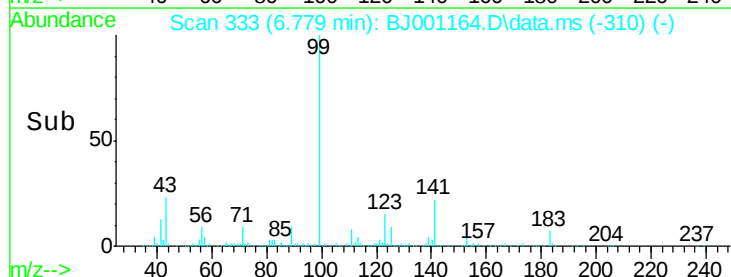
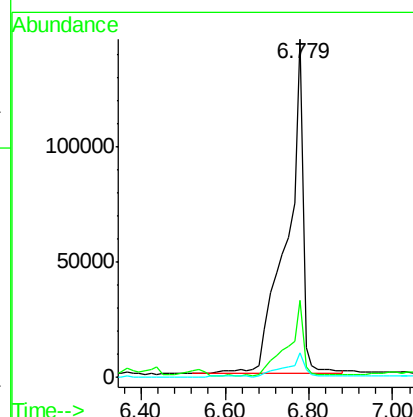
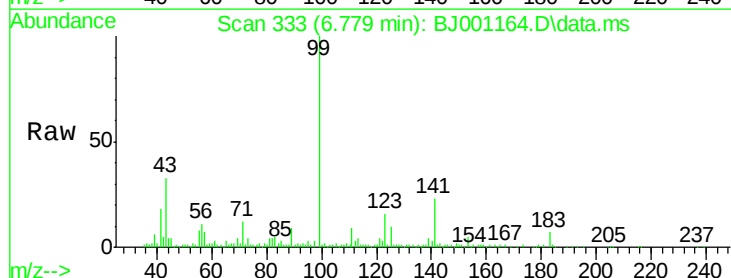
Tgt Ion: 99 Resp: 396467

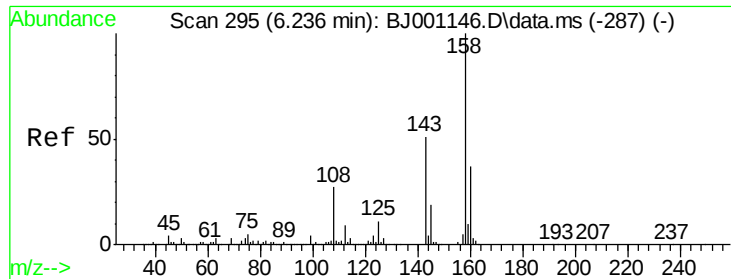
Ion Ratio Lower Upper

99 100

141 20.8 15.5 23.3

183 8.4 5.2 7.8#





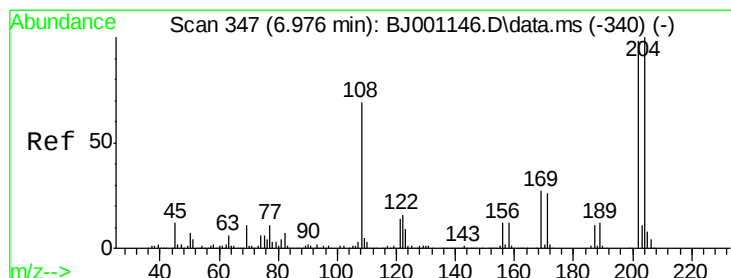
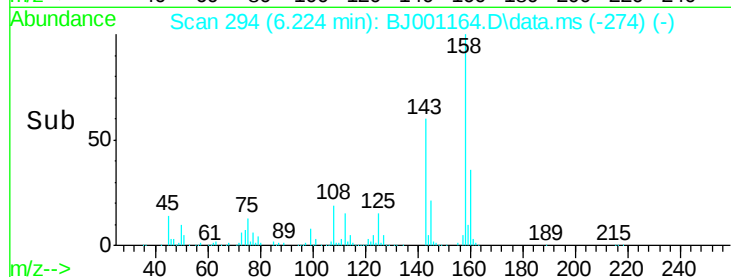
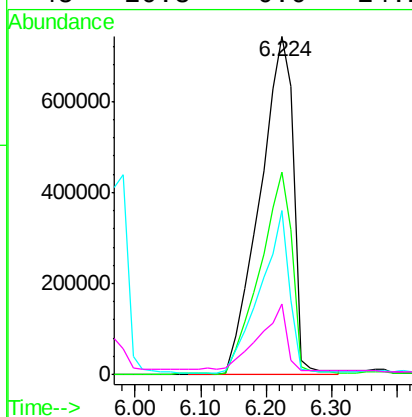
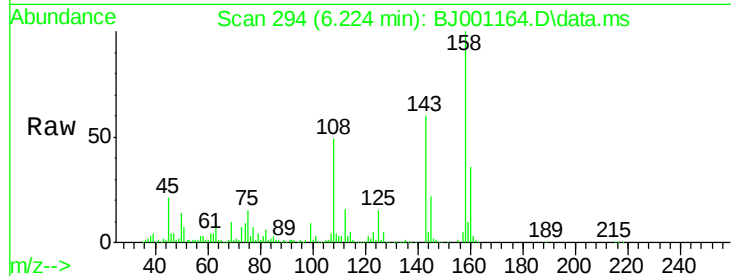
#11
p-Chlorophenylmethylsulfide
Concen: 7.75 ug/mL
RT: 6.224 min Scan# 29
Delta R.T. -0.012 min
Lab File: BJ001164.D
Acq: 3 Oct 2012 17:49

Instrument :
BNA_J
ClientSampleId :
4707WL-1(0.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
158	100	2654334		
143	59.9	30.4	70.4	
108	48.6	6.0	46.0	
45	20.8	0.0	24.2	

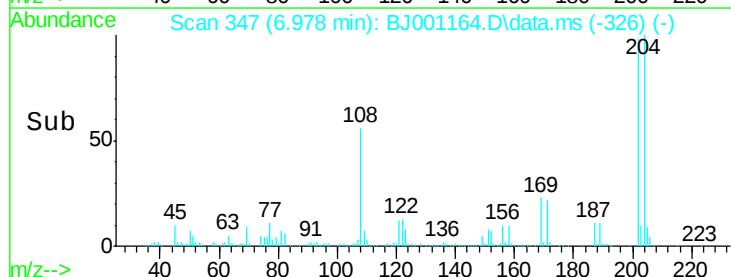
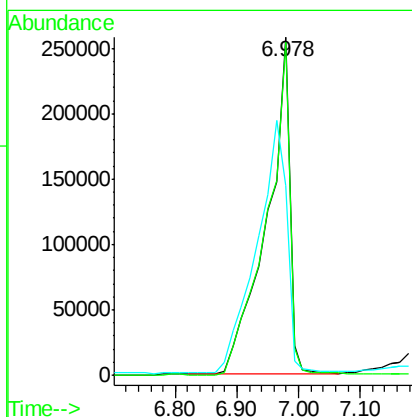
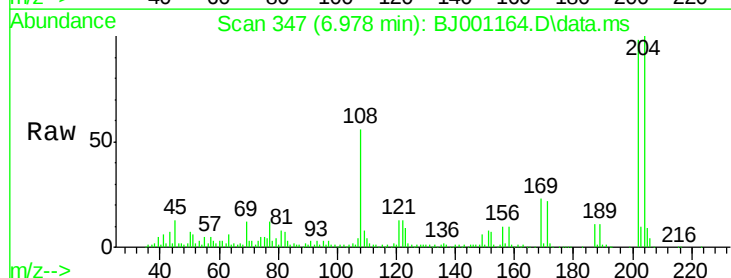
Manual Integrations
APPROVED

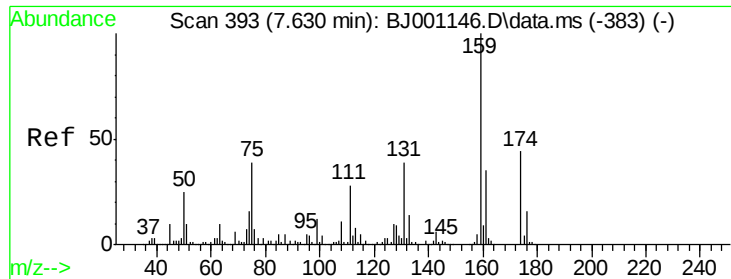
AHPatel
10/9/2012 7:06:23 AM



#12
2-Bromothioanisole
Concen: 4.02 ug/mL
RT: 6.978 min Scan# 347
Delta R.T. 0.002 min
Lab File: BJ001164.D
Acq: 3 Oct 2012 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	657667		
202	98.5	79.0	119.0	
108	56.2	35.7	75.7	





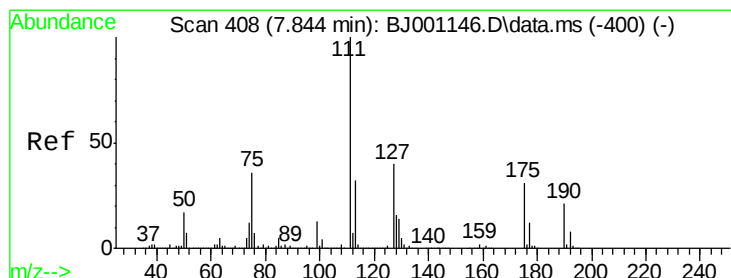
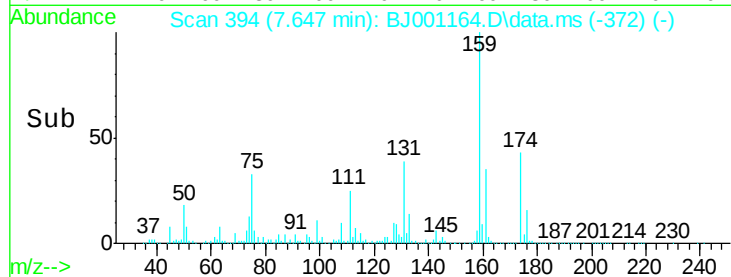
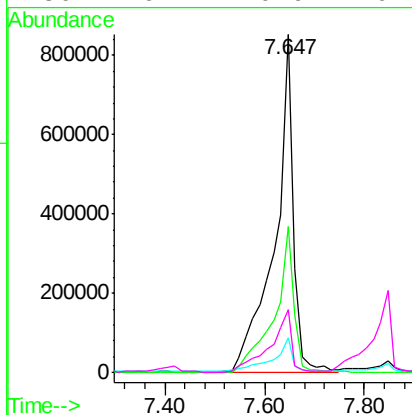
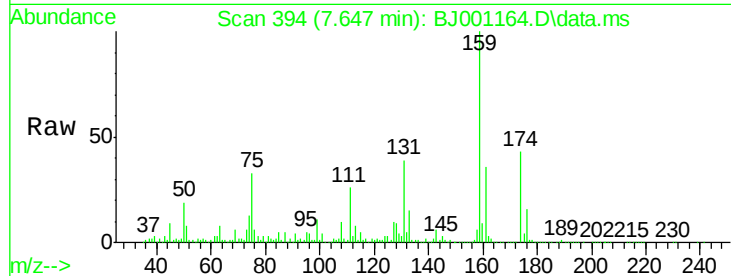
#13
p-Chlorophenylmethylsulfoxide
Concen: 8.49 ug/mL
RT: 7.647 min Scan# 393
Delta R.T. 0.016 min
Lab File: BJ001164.D
Acq: 3 Oct 2012 17:49

Instrument :
BNA_J
ClientSampleId :
4707WL-1(0.5)MSD

Tgt Ion	Ratio	Lower	Upper
159	100		
174	45.8	27.0	67.0
108	10.0	0.0	29.9
50	20.7	0.9	40.9

Manual Integrations
APPROVED

AHPatel
10/9/2012 7:06:23 AM



#14
p-Chlorophenylmethylsulfone
Concen: 8.70 ug/mL
RT: 7.847 min Scan# 408
Delta R.T. 0.002 min
Lab File: BJ001164.D
Acq: 3 Oct 2012 17:49

Tgt Ion	Ratio	Lower	Upper
111	100		
75	36.3	11.0	51.0
127	38.3	21.3	61.3
190	20.2	3.9	43.9

