

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032315\
 Data File : BM000754.D
 Acq On : 23 Mar 2015 15:08
 Operator : TP/IZ
 Sample : G1581-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1M12

Quant Time: Mar 24 06:07:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM032115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 24 05:41:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	164334	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	687709	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	396816	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	852475	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	941896	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	879247	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	18701	5.22	ng/uL	0.00
5) Phenol-d5	6.79	99	393586	31.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	255655	32.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	315964	31.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	322041	32.34	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	151004	34.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	164443	34.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	314089	33.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	487836	42.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	1003581	39.22	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	1274536	34.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	201312	39.19	ng/ul	0.00
57) Fluorene-d10	15.27	176	896237	34.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	184238	39.92	ng/ul	0.00
70) Anthracene-d10	17.12	188	1379571	35.77	ng/ul	0.00
76) Pyrene-d10	19.42	212	1519023	35.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1369097	35.90	ng/ul	0.00

Target Compounds

						Qvalue
8) Bis(2-Chloroethyl)ether	7.05	93	187605	17.18	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.15	45	274017	14.32	ng/ul	98
16) 4-Methylphenol	8.39	108	471315	41.91	ng/ul	88
17) Hexachloroethane	8.69	117	223739	52.23	ng/ul	97
20) Nitrobenzene	8.82	77	212395	17.62	ng/ul	95
23) 2-Nitrophenol	9.52	139	210408	38.32	ng/ul	97
24) 2,4-Dimethylphenol	9.59	107	295316	24.90	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.82	93	239026	17.08	ng/ul	99
27) 2,4-Dichlorophenol	10.05	162	236530	24.26	ng/ul	97
30) 4-Chloroaniline	10.57	127	779260	64.74	ng/ul	98
34) 2-Methylnaphthalene	12.07	142	601935	24.03	ng/ul	97
37) Hexachlorocyclopentadiene	12.43	237	329771	49.13	ng/ul	98
38) 2,4,6-Trichlorophenol	12.70	196	127393	19.08	ng/ul	98
41) 2-Chloronaphthalene	13.14	162	342352	13.24	ng/ul	99
42) 2-Nitroaniline	13.36	65	454866	74.10	ng/ul	97
44) Dimethylphthalate	13.74	163	924340	31.18	ng/ul	100
45) 2,6-Dinitrotoluene	13.86	165	81884	15.18	ng/ul	99
48) 3-Nitroaniline	14.19	138	413060	71.79	ng/ul	100
50) 2,4-Dinitrophenol	14.40	184	227874	77.40	ng/ul	96
52) 4-Nitrophenol	14.50	109	268146	68.60	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.32	204	218590	14.66	ng/ul	98
60) 4-Nitroaniline	15.36	138	254551	39.37	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.42	198	314427	60.93	ng/ul#	97

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 24 05:41:01 2015
Response via : Initial Calibration

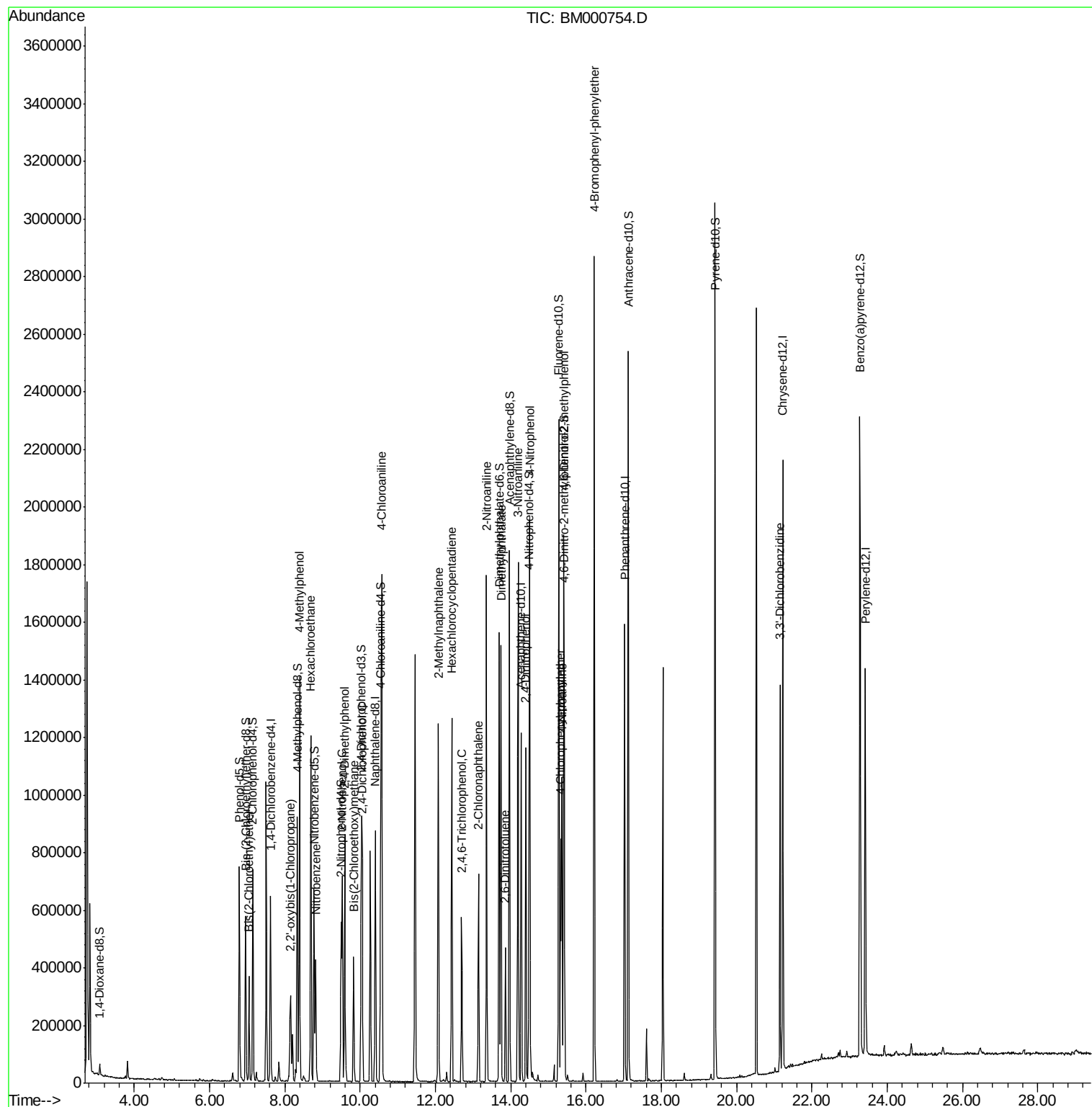
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.22	248	494362	59.82	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.14	252	346193	23.34	ng/ul	98

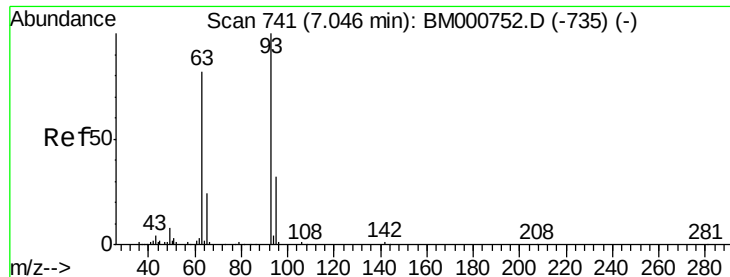
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Bis(2-Chloroethyl)ether

Concen: 17.18 ng/ul

RT: 7.05 min Scan# 741

Delta R.T. 0.00 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

Instrument :

BNA_M

ClientSampleId :

X1M12

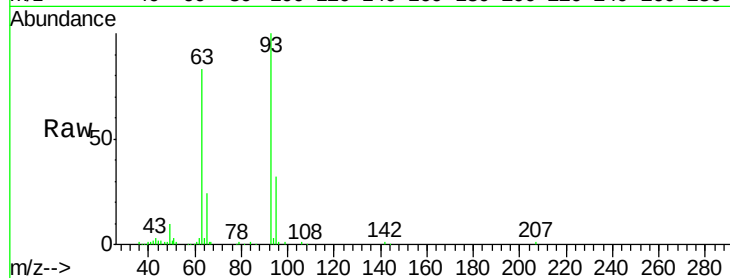
Tgt Ion: 93 Resp: 187605

Ion Ratio Lower Upper

93 100

63 82.8 64.3 96.5

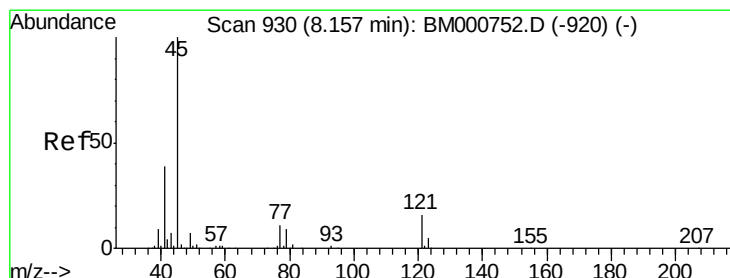
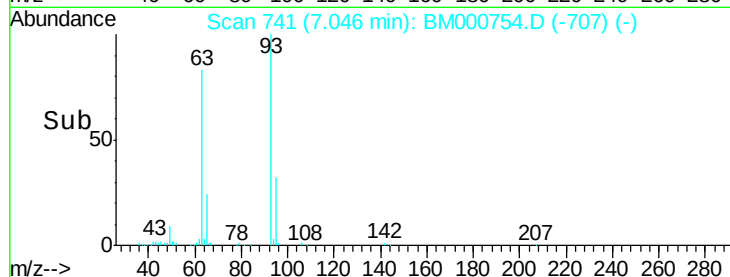
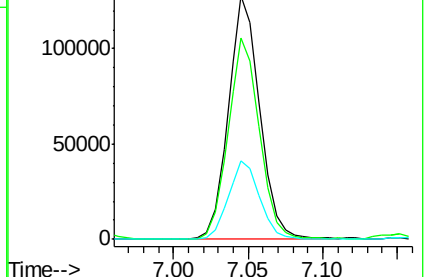
95 32.4 25.0 37.6



Abundance Ion 93.00 (92.70 to 93.70): BM000754.D (-735) (-)

Ion 63.00 (62.70 to 63.70): BM000754.D (-735) (-)

Ion 95.00 (94.70 to 95.70): BM000754.D (-735) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 14.32 ng/ul

RT: 8.15 min Scan# 928

Delta R.T. -0.01 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

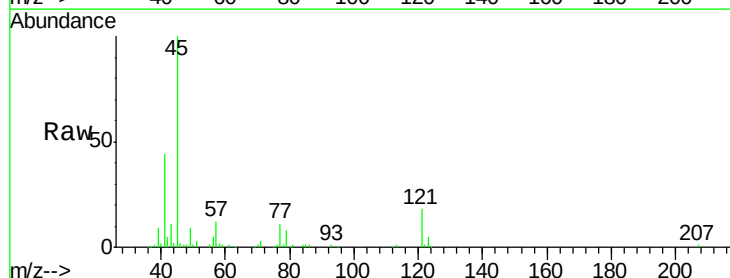
Tgt Ion: 45 Resp: 274017

Ion Ratio Lower Upper

45 100

77 11.0 9.4 14.2

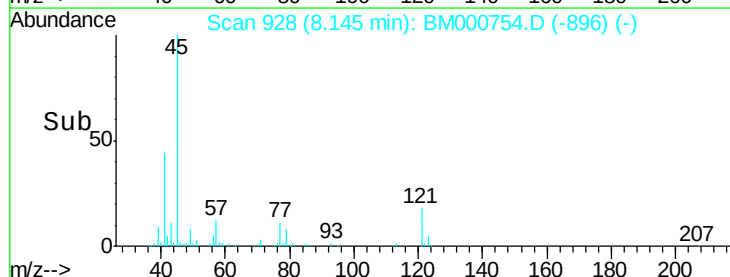
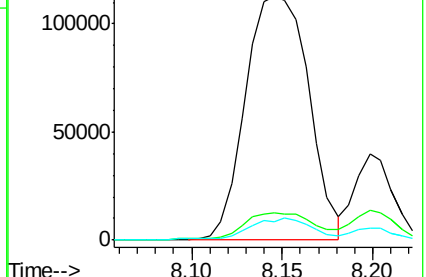
79 7.7 7.0 10.6

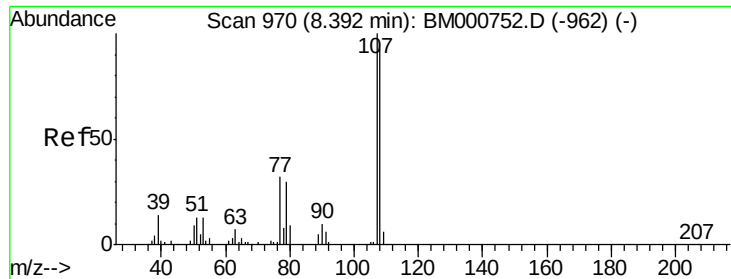


Abundance Ion 45.00 (44.70 to 45.70): BM000754.D (-920) (-)

Ion 77.00 (76.70 to 77.70): BM000754.D (-920) (-)

Ion 79.00 (78.70 to 79.70): BM000754.D (-920) (-)





#16

4-Methylphenol

Concen: 41.91 ng/ul

RT: 8.39 min Scan# 969

Delta R.T. -0.01 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

Instrument :

BNA_M

ClientSampleId :

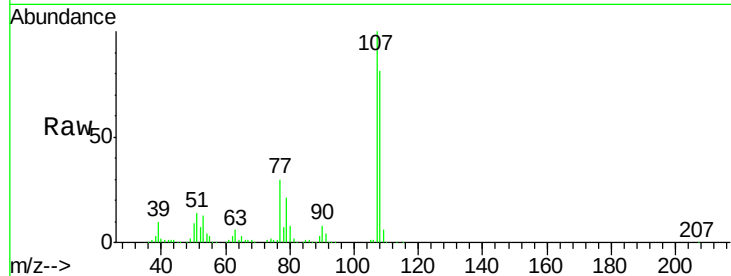
X1M12

Tgt Ion:108 Resp: 471315

Ion Ratio Lower Upper

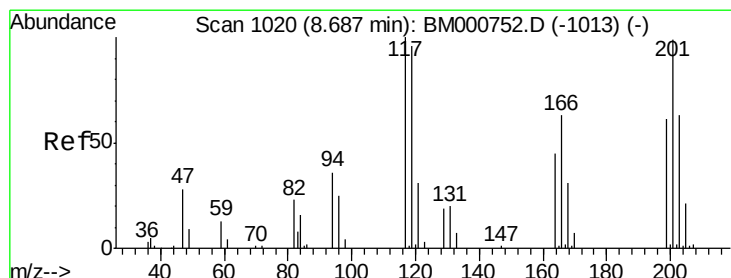
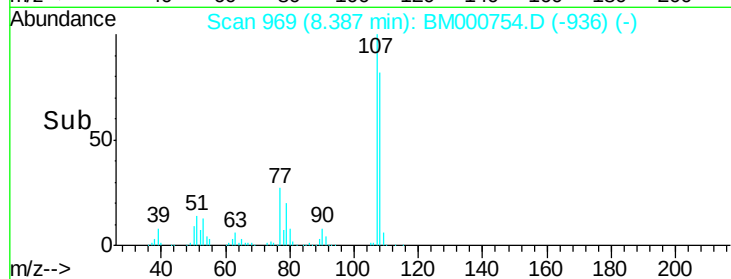
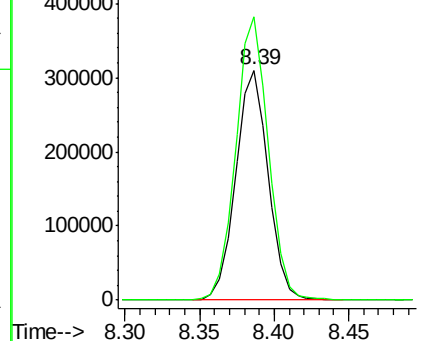
108 100

107 123.2 88.3 132.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 52.23 ng/ul

RT: 8.69 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

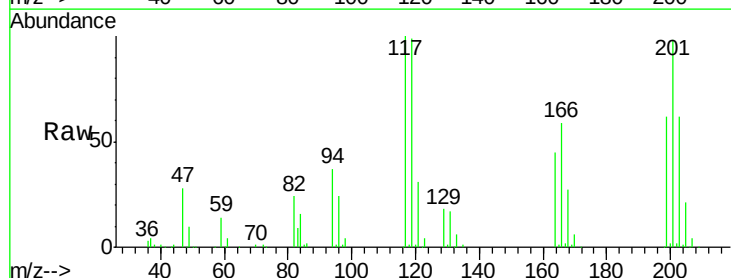
Tgt Ion:117 Resp: 223739

Ion Ratio Lower Upper

117 100

201 98.3 76.2 114.2

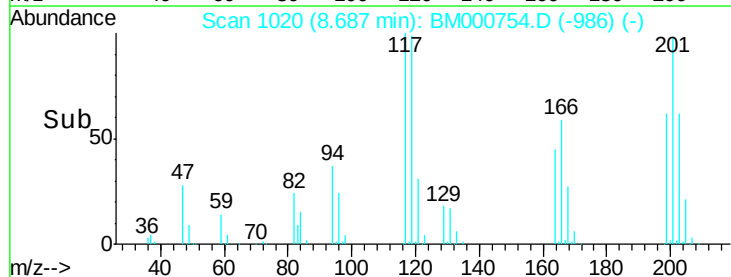
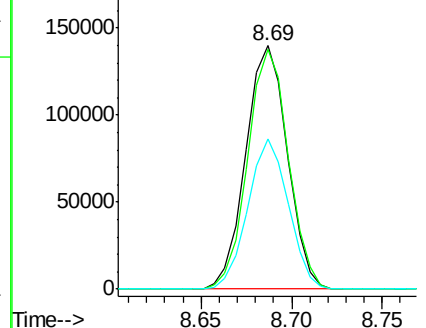
199 61.8 48.5 72.7

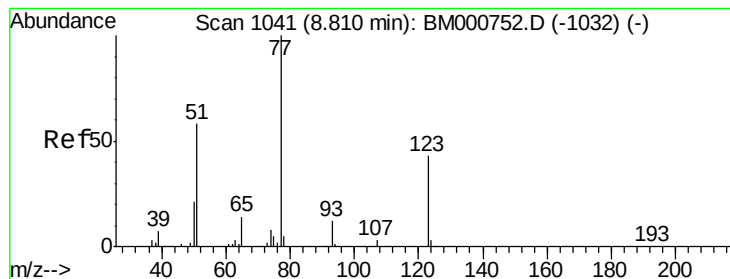


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#20

Nitrobenzene

Concen: 17.62 ng/ul

RT: 8.82 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

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X1M12

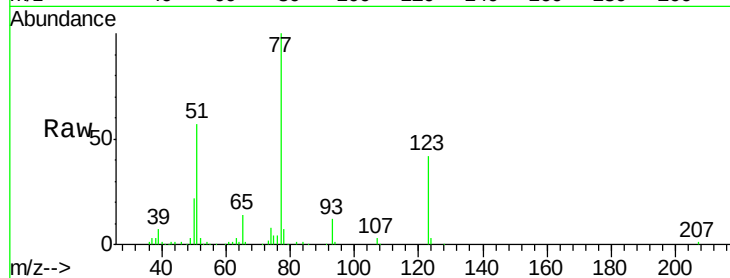
Tgt Ion: 77 Resp: 212395

Ion Ratio Lower Upper

77 100

123 41.5 36.5 54.7

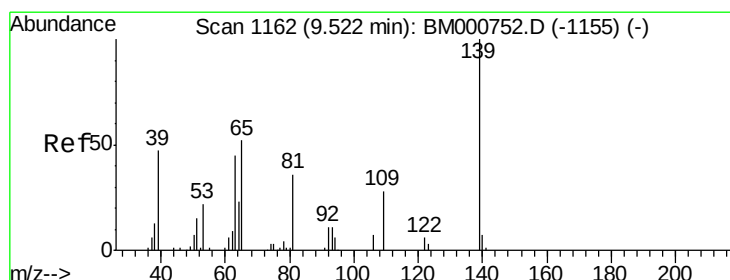
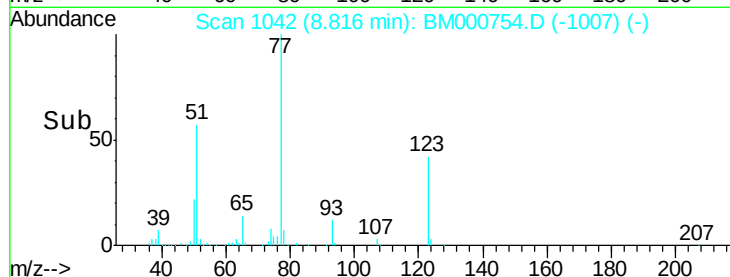
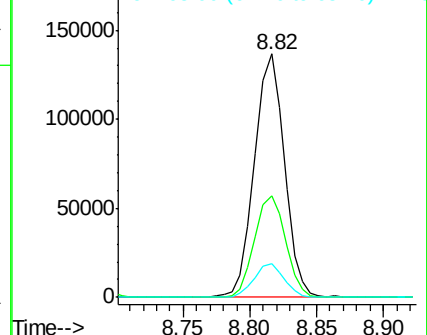
65 13.9 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM000752.D (-1032) (-)

Ion 123.00 (122.70 to 123.70): BM000752.D (-1032) (-)

Ion 65.00 (64.70 to 65.70): BM000752.D (-1032) (-)



#23

2-Nitrophenol

Concen: 38.32 ng/ul

RT: 9.52 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

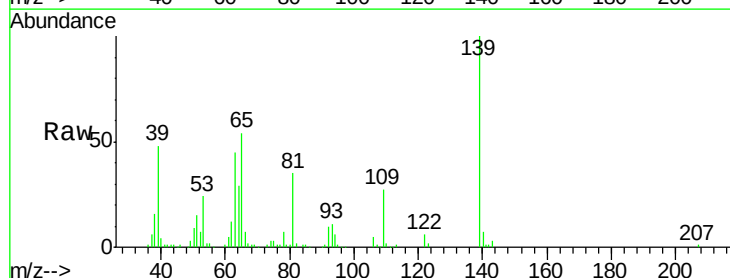
Tgt Ion: 139 Resp: 210408

Ion Ratio Lower Upper

139 100

65 54.1 44.3 66.5

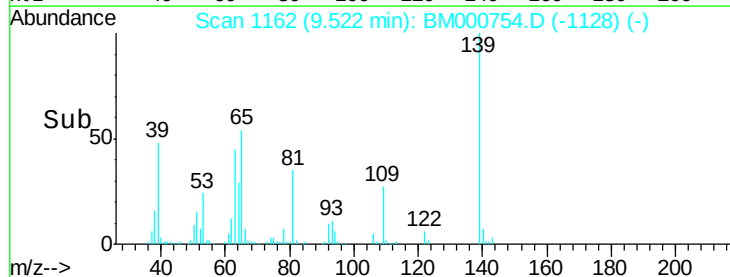
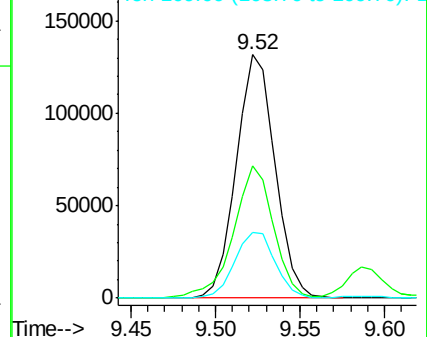
109 27.1 24.2 36.2

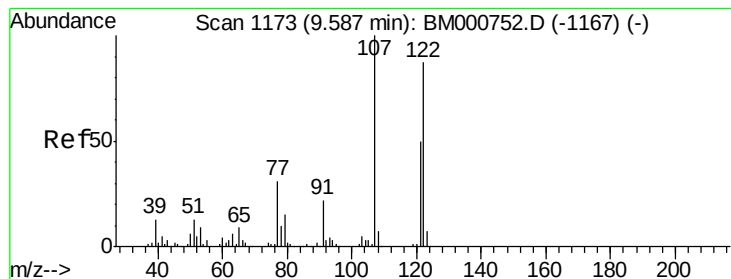


Abundance Ion 139.00 (138.70 to 139.70): BM000752.D (-1155) (-)

Ion 65.00 (64.70 to 65.70): BM000752.D (-1155) (-)

Ion 109.00 (108.70 to 109.70): BM000752.D (-1155) (-)





#24

2,4-Dimethylphenol

Concen: 24.90 ng/ul

RT: 9.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

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ClientSampleId :

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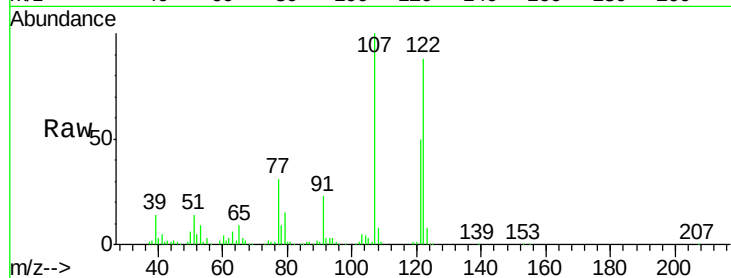
Tgt Ion: 107 Resp: 295316

Ion Ratio Lower Upper

107 100

121 49.8 39.7 59.5

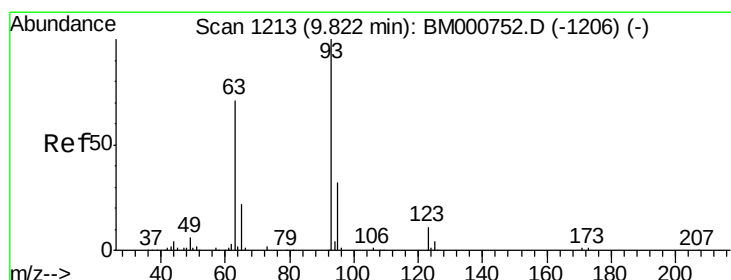
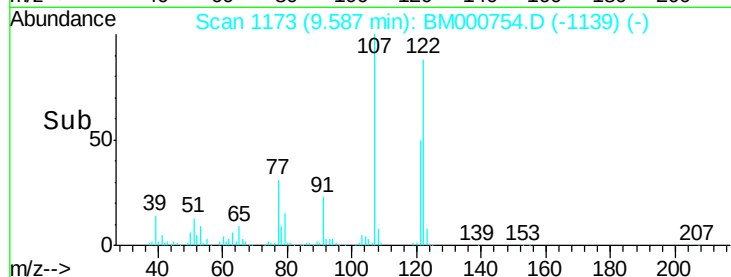
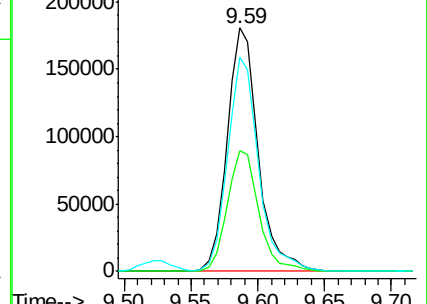
122 88.1 69.4 104.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 17.08 ng/ul

RT: 9.82 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

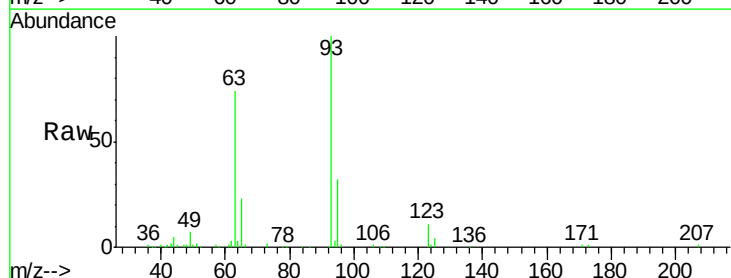
Tgt Ion: 93 Resp: 239026

Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

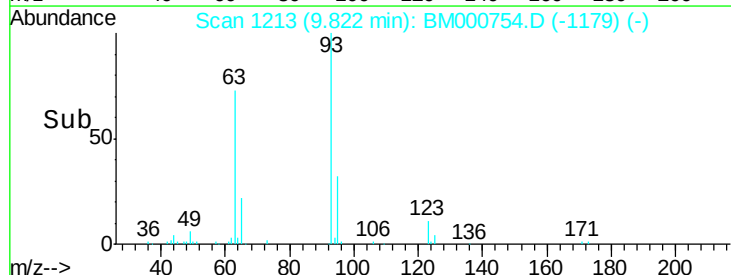
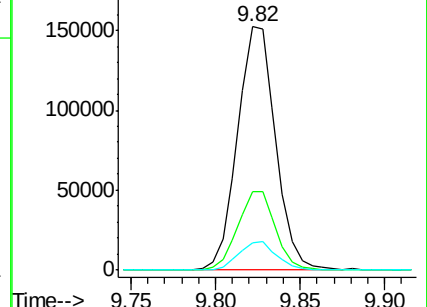
123 11.3 8.6 12.8

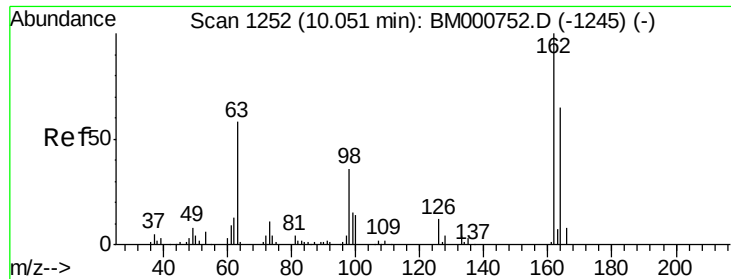


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

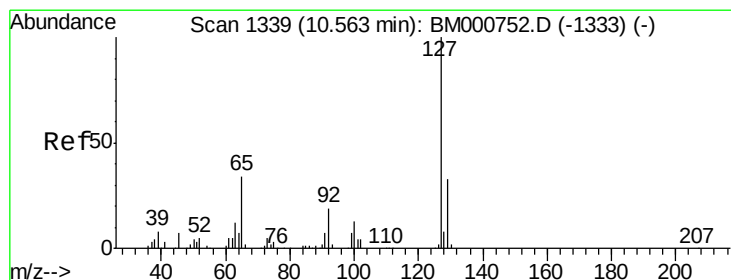
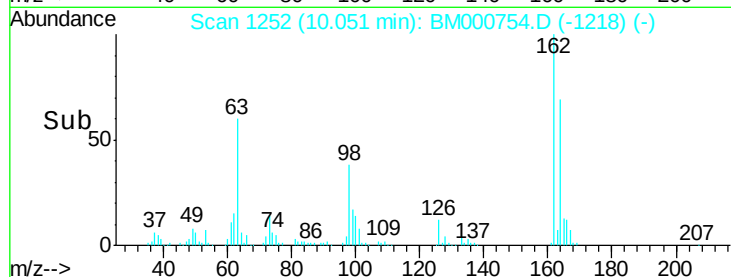
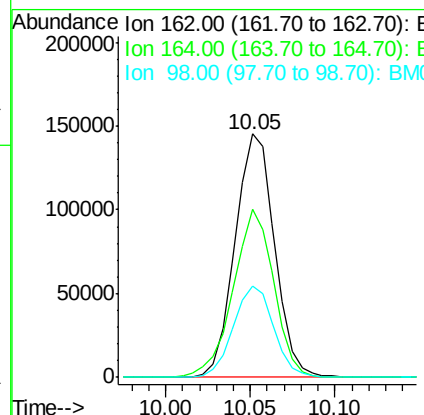
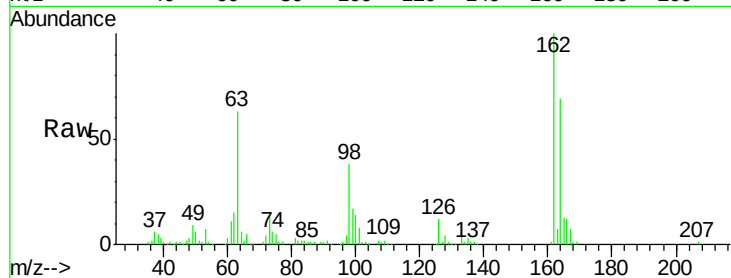




#27
 2,4-Dichlorophenol
 Concen: 24.26 ng/ul
 RT: 10.05 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

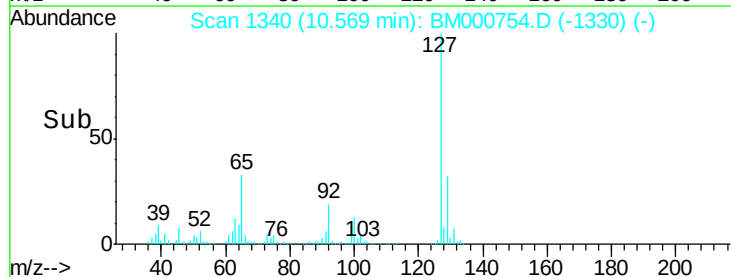
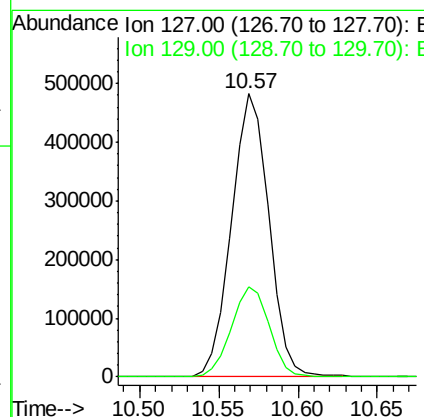
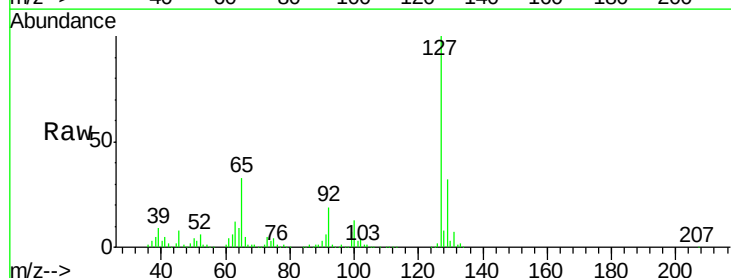
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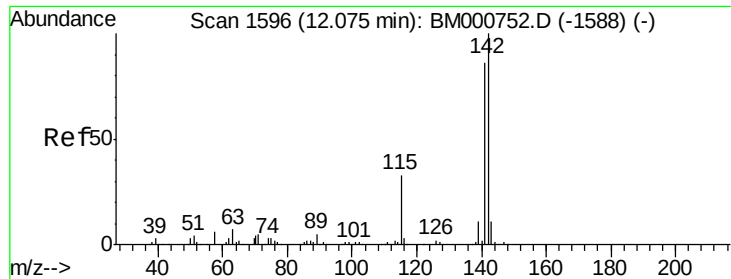
Tgt Ion	Ratio	Lower	Upper
162	100		
164	68.8	52.1	78.1
98	37.6	29.9	44.9



#30
 4-Chloroaniline
 Concen: 64.74 ng/ul
 RT: 10.57 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.2

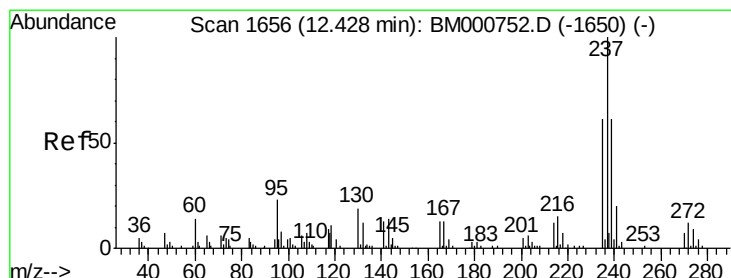
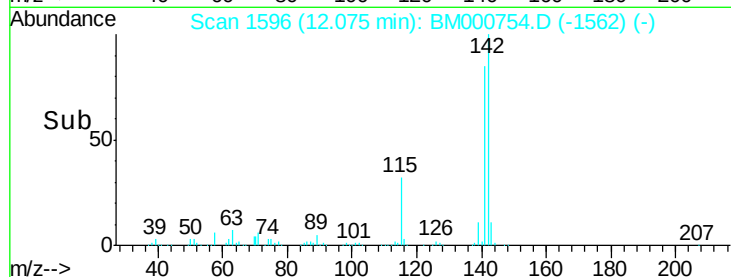
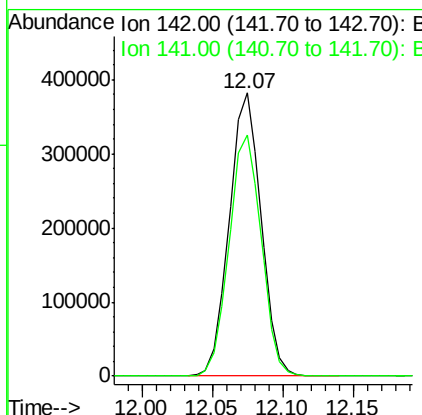
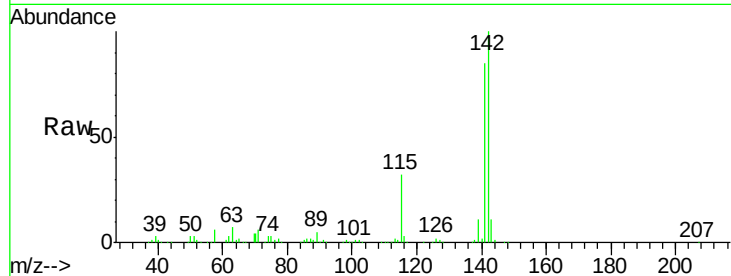




#34
 2-Methylnaphthalene
 Concen: 24.03 ng/ul
 RT: 12.07 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

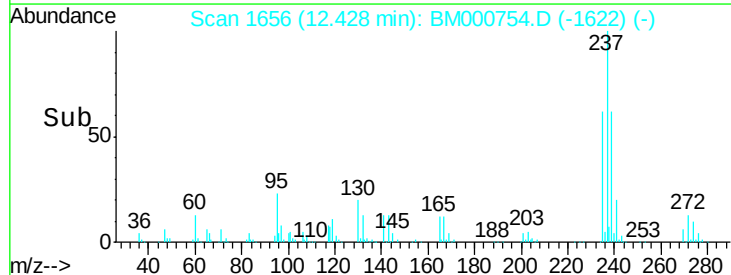
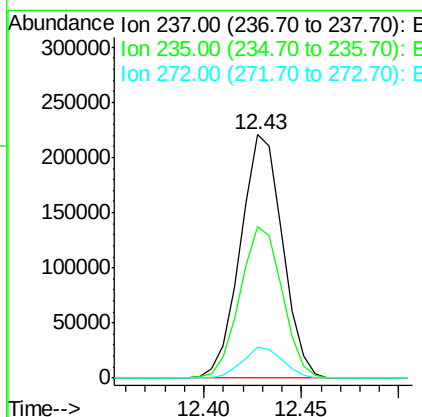
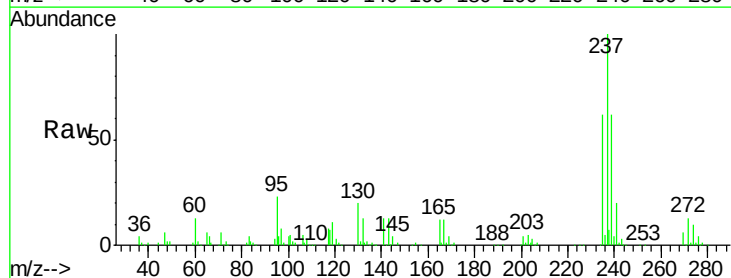
Instrument :
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 ClientSampleId :
 X1M12

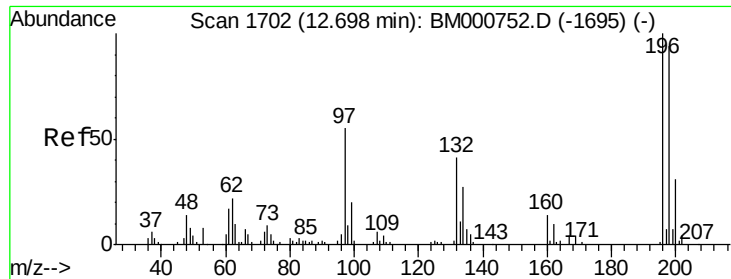
Tgt Ion:142 Resp: 601935
 Ion Ratio Lower Upper
 142 100
 141 85.4 70.7 106.1



#37
 Hexachlorocyclopentadiene
 Concen: 49.13 ng/ul
 RT: 12.43 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion:237 Resp: 329771
 Ion Ratio Lower Upper
 237 100
 235 62.4 48.5 72.7
 272 12.7 9.5 14.3

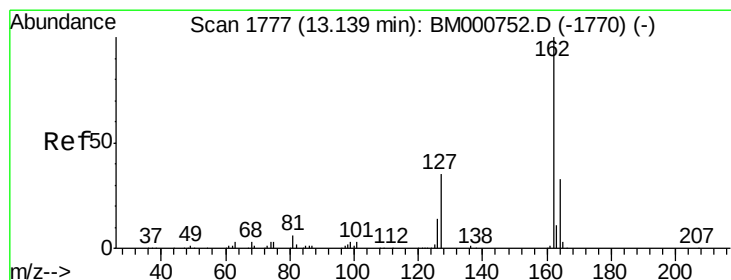
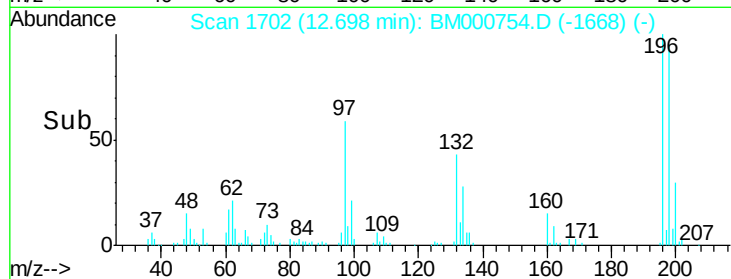
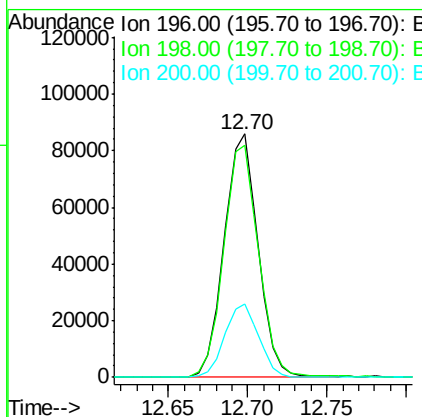
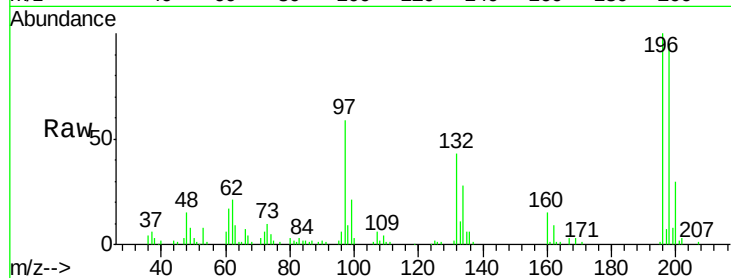




#38
 2,4,6-Trichlorophenol
 Concen: 19.08 ng/ul
 RT: 12.70 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

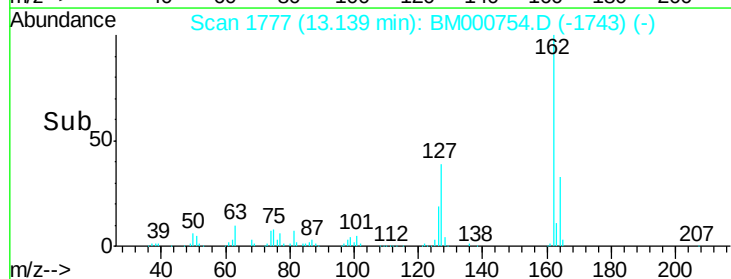
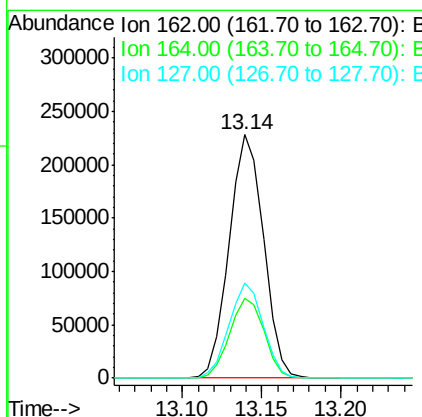
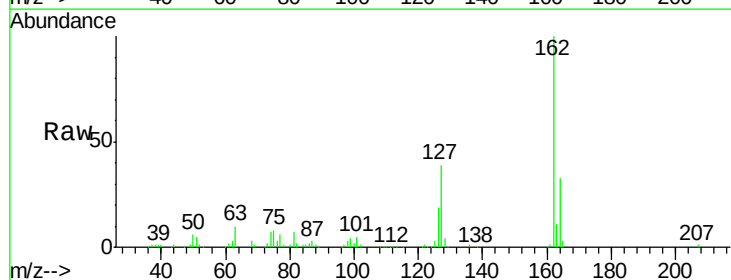
Instrument :
 BNA_M
 ClientSampled :
 X1M12

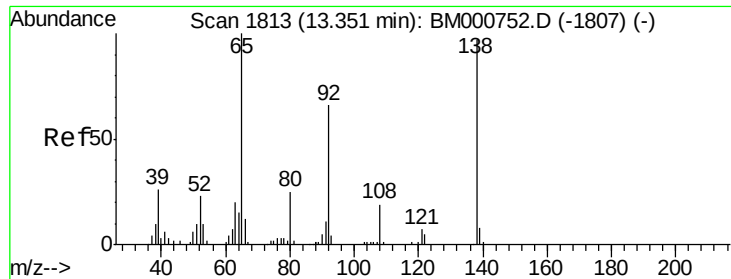
Tgt Ion:196 Resp: 127393
 Ion Ratio Lower Upper
 196 100
 198 95.4 77.8 116.6
 200 30.0 24.9 37.3



#41
 2-Chloronaphthalene
 Concen: 13.24 ng/ul
 RT: 13.14 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion:162 Resp: 342352
 Ion Ratio Lower Upper
 162 100
 164 32.9 25.8 38.8
 127 39.3 30.9 46.3





#42

2-Nitroaniline

Concen: 74.10 ng/ul

RT: 13.36 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

Instrument :

BNA_M

ClientSampleId :

X1M12

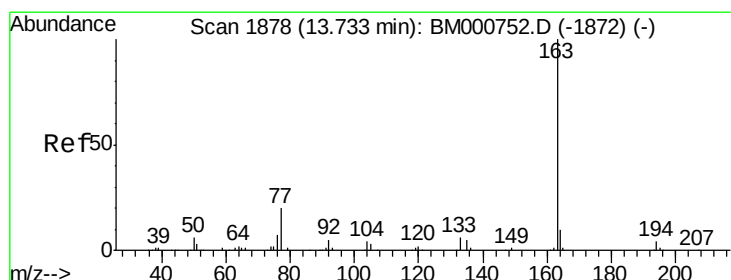
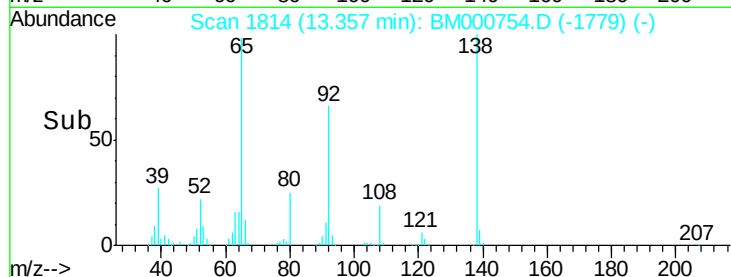
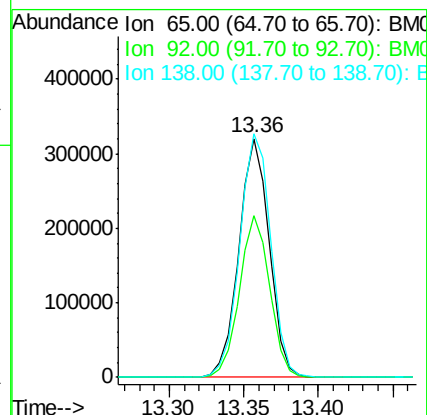
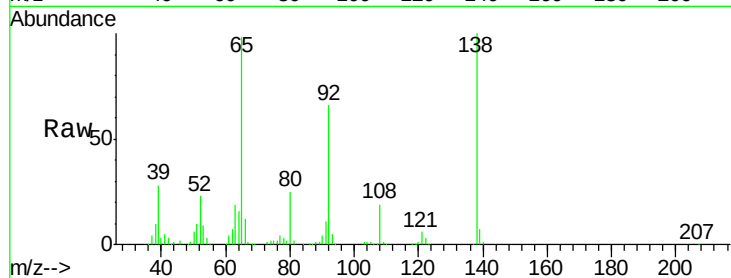
Tgt Ion: 65 Resp: 454866

Ion Ratio Lower Upper

65 100

92 67.5 51.4 77.2

138 101.9 79.7 119.5



#44

Dimethylphthalate

Concen: 31.18 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. 0.01 min

Lab File: BM000754.D

Acq: 23 Mar 2015 15:08

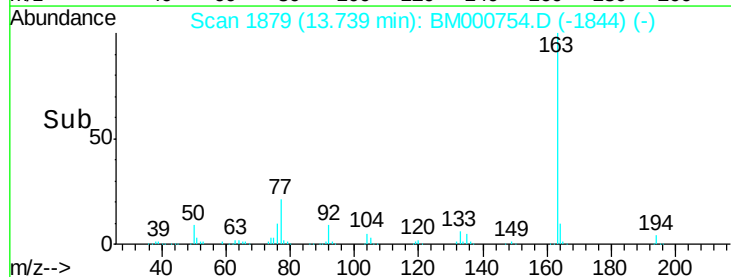
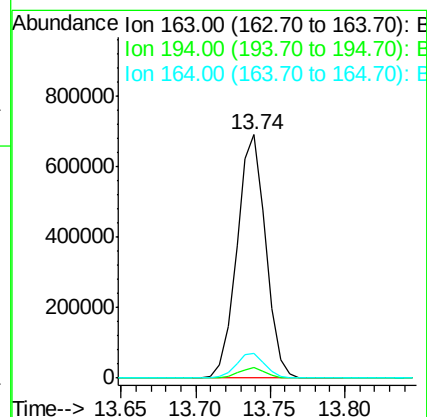
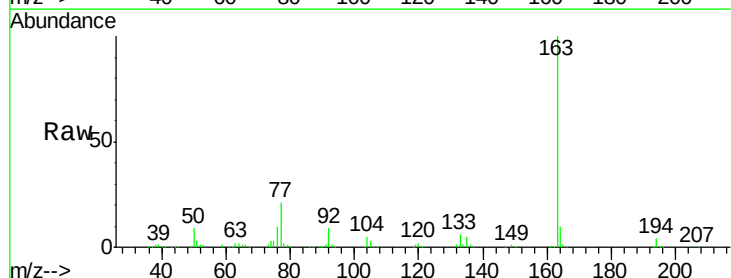
Tgt Ion: 163 Resp: 924340

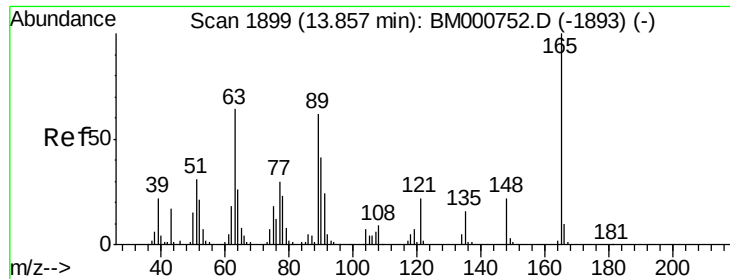
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.1 8.2 12.2

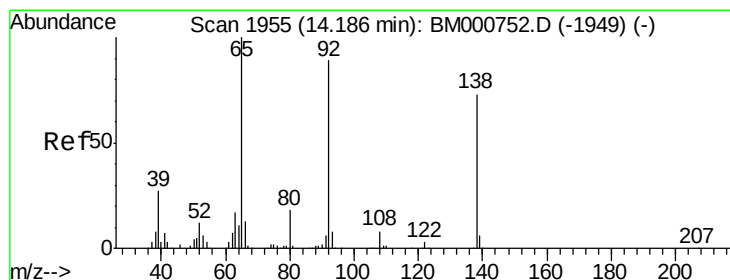
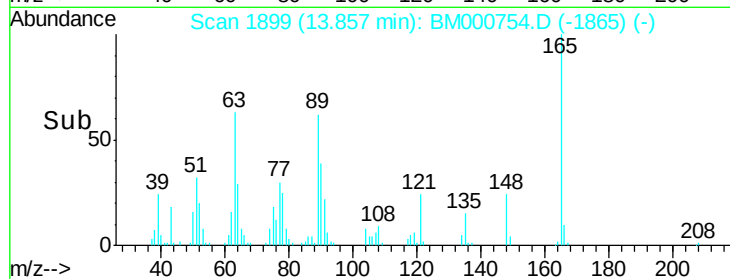
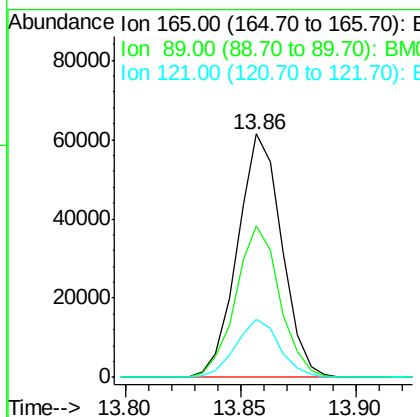
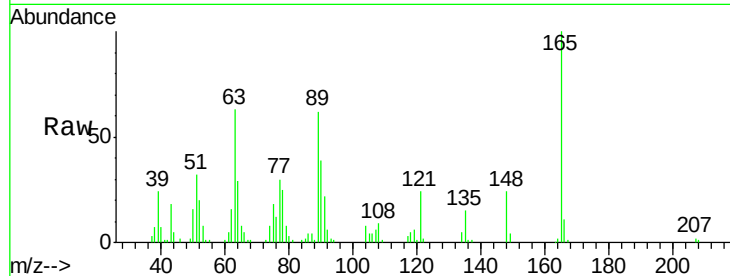




#45
 2,6-Dinitrotoluene
 Concen: 15.18 ng/ul
 RT: 13.86 min Scan# 1899
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

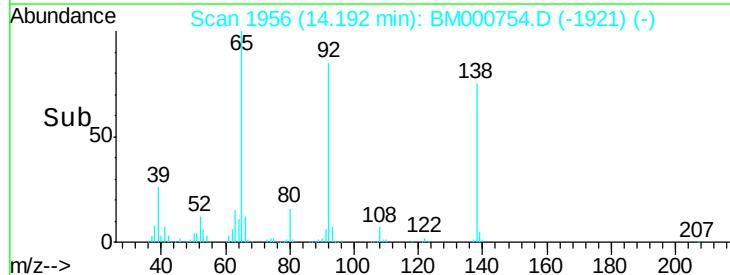
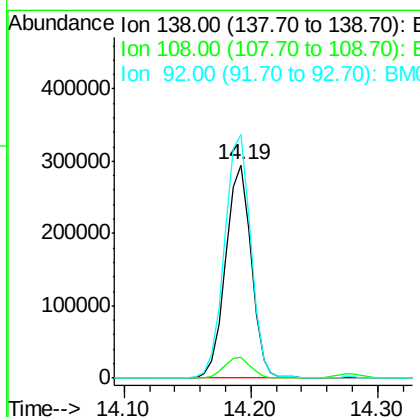
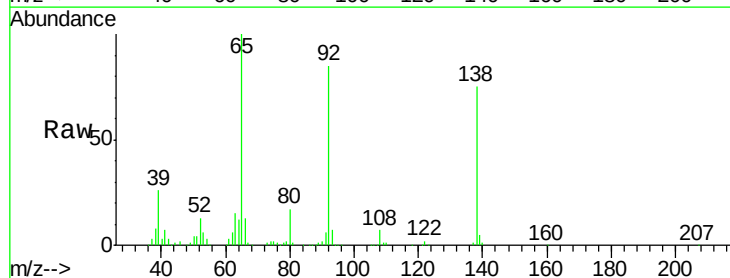
Instrument :
 BNA_M
 ClientSampleId :
 X1M12

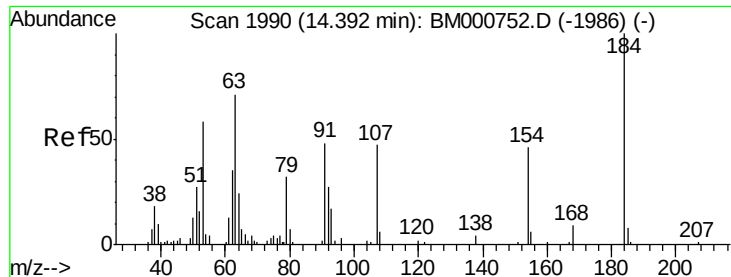
Tgt Ion:165 Resp: 81884
 Ion Ratio Lower Upper
 165 100
 89 62.1 50.0 75.0
 121 24.0 18.3 27.5



#48
 3-Nitroaniline
 Concen: 71.79 ng/ul
 RT: 14.19 min Scan# 1956
 Delta R.T. 0.01 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion:138 Resp: 413060
 Ion Ratio Lower Upper
 138 100
 108 9.8 8.2 12.4
 92 114.0 91.3 136.9

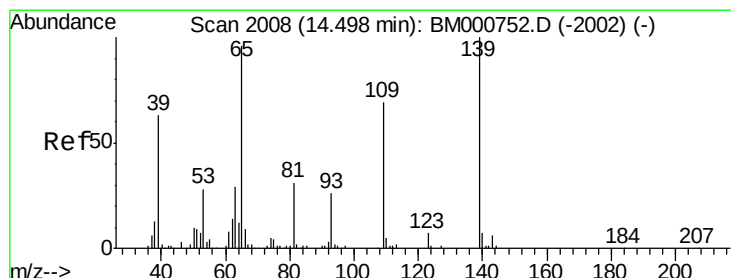
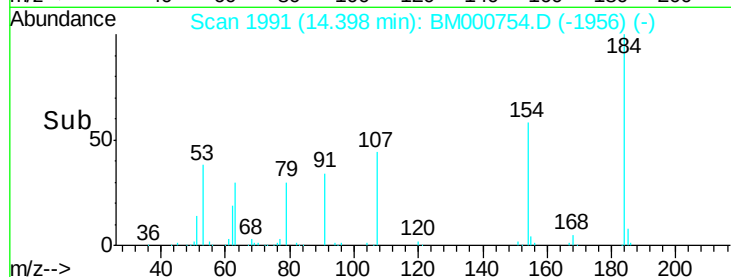
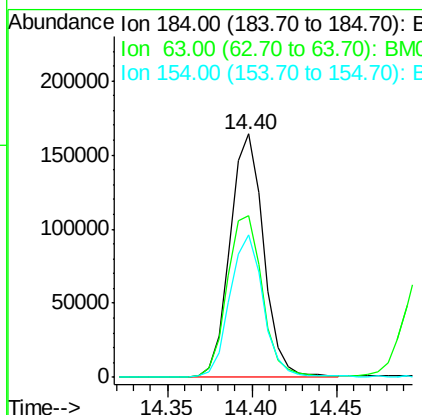
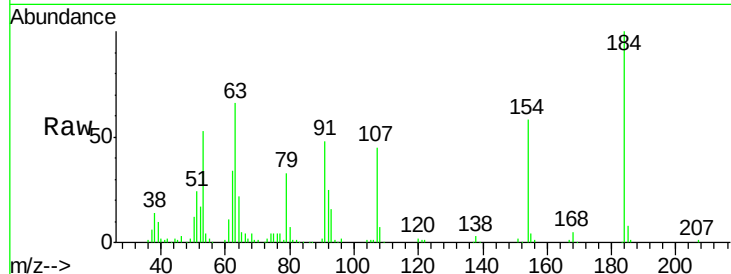




#50
2,4-Dinitrophenol
Concen: 77.40 ng/ul
RT: 14.40 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BM000754.D
Acq: 23 Mar 2015 15:08

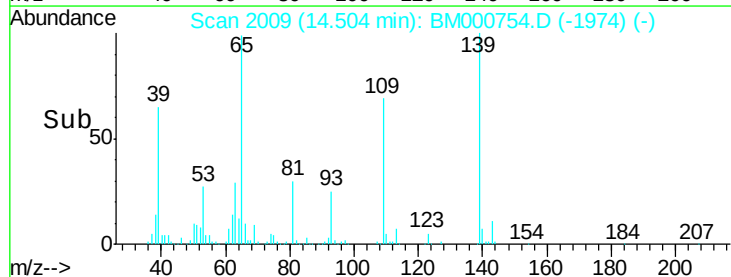
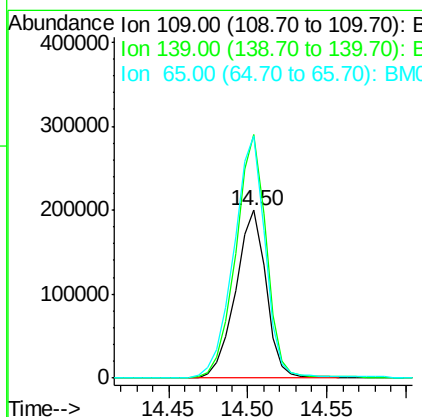
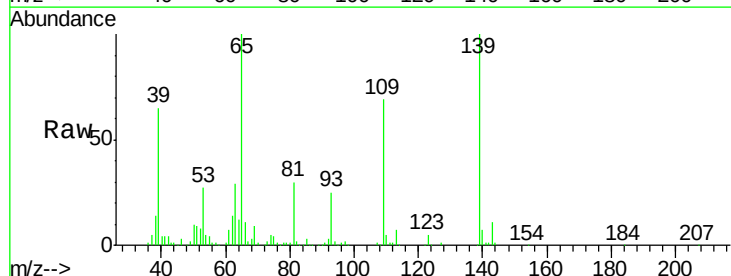
Instrument :
BNA_M
ClientSampleId :
X1M12

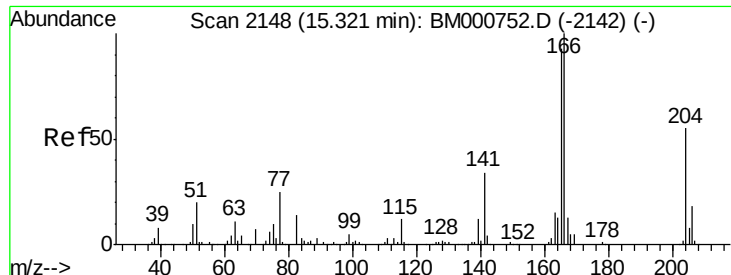
Tgt Ion:184 Resp: 227874
Ion Ratio Lower Upper
184 100
63 66.4 55.3 82.9
154 58.4 44.5 66.7



#52
4-Nitrophenol
Concen: 68.60 ng/ul
RT: 14.50 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BM000754.D
Acq: 23 Mar 2015 15:08

Tgt Ion:109 Resp: 268146
Ion Ratio Lower Upper
109 100
139 145.0 120.6 181.0
65 144.3 120.8 181.2

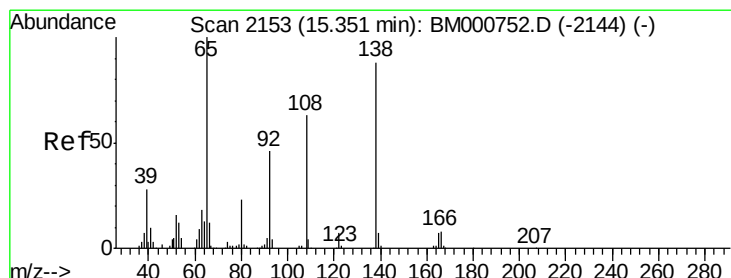
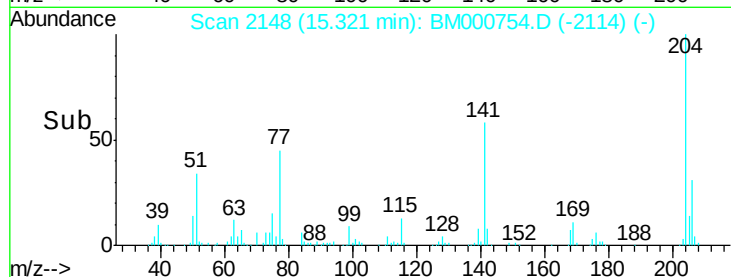
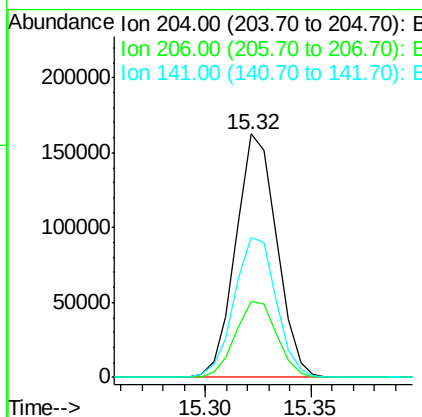
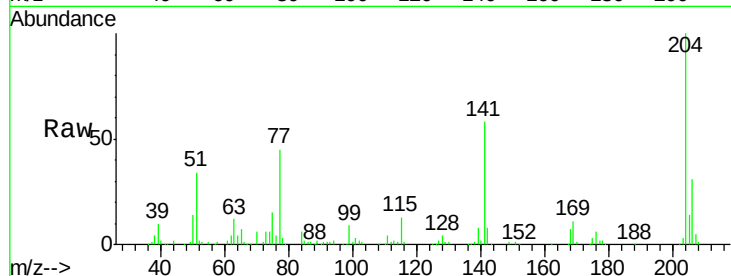




#59
 4-Chlorophenyl-phenylether
 Concen: 14.66 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

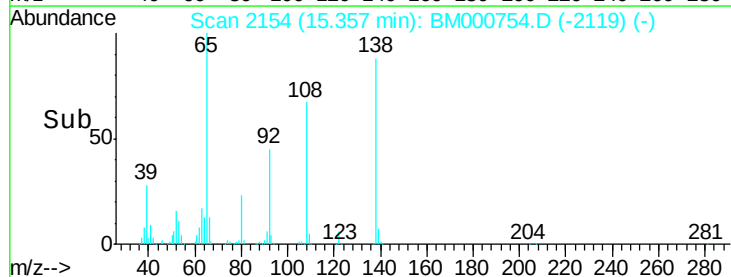
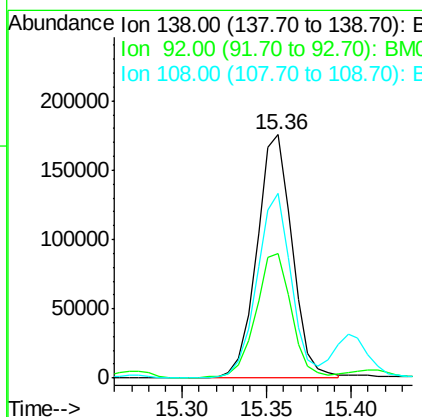
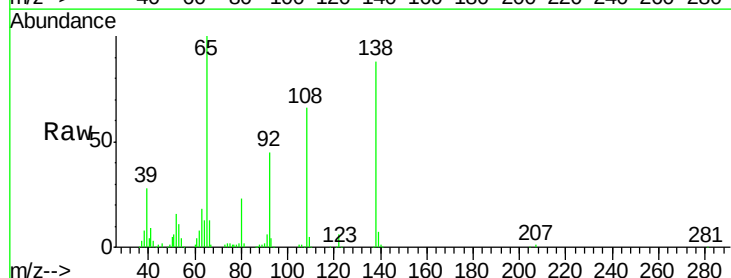
Instrument :
 BNA_M
 ClientSampled :
 X1M12

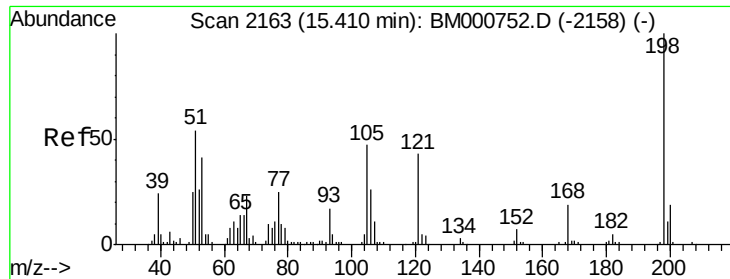
Tgt Ion:204 Resp: 218590
 Ion Ratio Lower Upper
 204 100
 206 31.4 25.7 38.5
 141 57.6 47.6 71.4



#60
 4-Nitroaniline
 Concen: 39.37 ng/ul
 RT: 15.36 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion:138 Resp: 254551
 Ion Ratio Lower Upper
 138 100
 92 50.9 41.7 62.5
 108 75.7 56.4 84.6

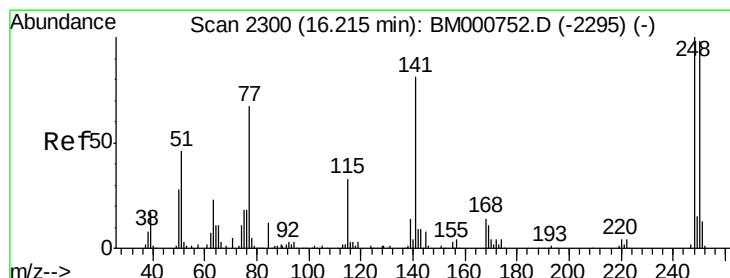
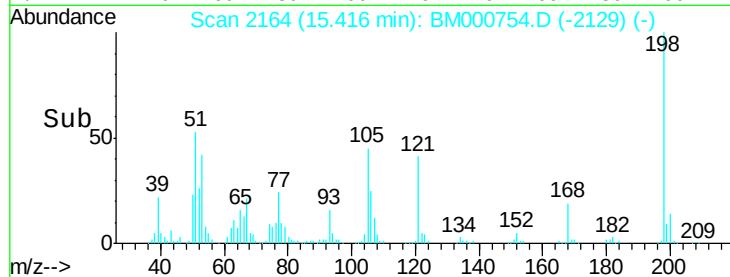
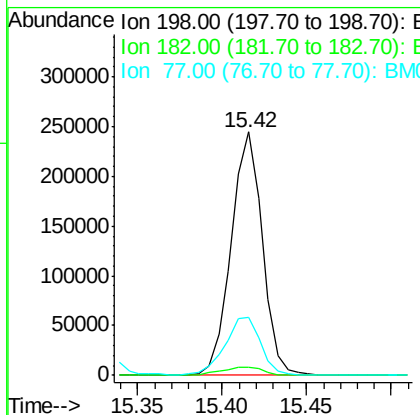
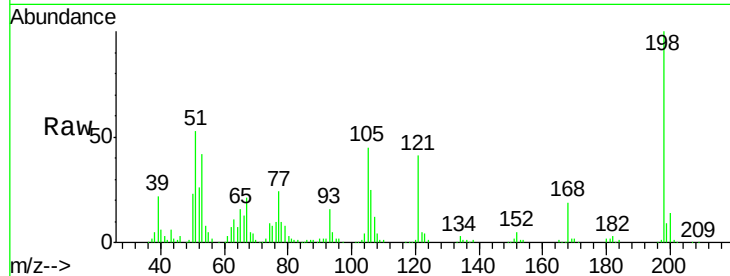




#63
 4,6-Dinitro-2-methylphenol
 Concen: 60.93 ng/ul
 RT: 15.42 min Scan# 2164
 Delta R.T. 0.01 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

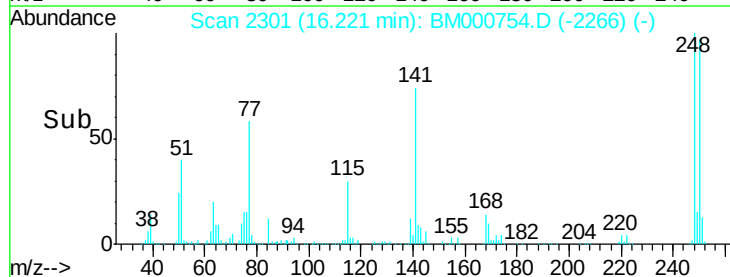
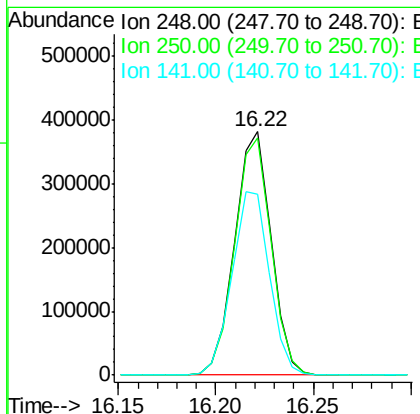
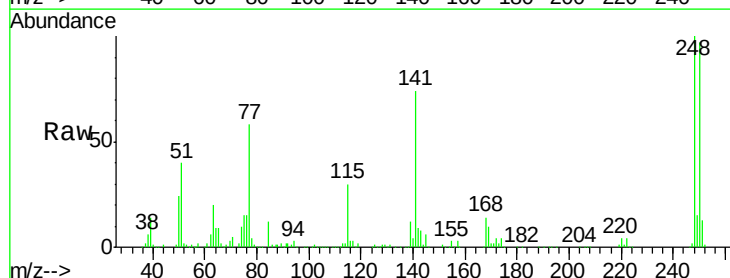
Instrument :
 BNA_M
 ClientSampleId :
 X1M12

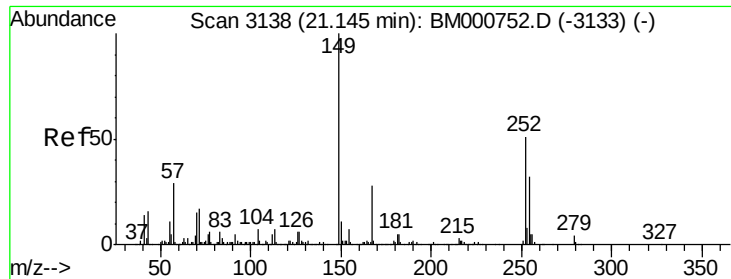
Tgt Ion:198 Resp: 314427
 Ion Ratio Lower Upper
 198 100
 182 3.3 4.2 6.4#
 77 23.9 20.2 30.2



#65
 4-Bromophenyl-phenylether
 Concen: 59.82 ng/ul
 RT: 16.22 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Tgt Ion:248 Resp: 494362
 Ion Ratio Lower Upper
 248 100
 250 97.5 79.0 118.6
 141 74.4 58.0 87.0





#79
 3,3'-Dichlorobenzidine
 Concen: 23.34 ng/ul
 RT: 21.14 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: BM000754.D
 Acq: 23 Mar 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :
 X1M12

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.7	76.1
126	13.0	9.3	13.9

