

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\  
 Data File : BF094633.D  
 Acq On : 26 Apr 2017 5:06  
 Operator : SJ/MA  
 Sample : I2824-03 10X  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 26 05:37:56 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

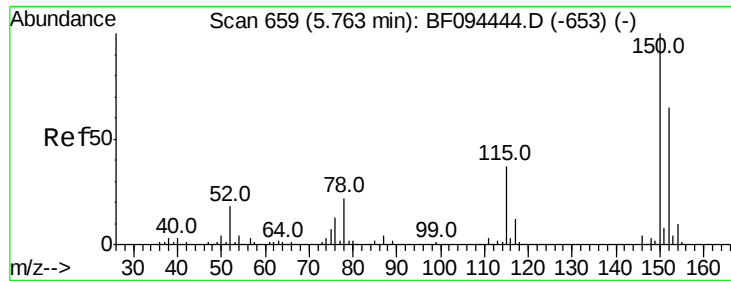
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.75  | 152  | 90066    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.26  | 136  | 271762   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.41  | 164  | 109056   | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 11.23 | 188  | 189902   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.47 | 240  | 217300   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.09 | 264  | 161335   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 4.30  | 112  | 63258    | 11.65 | ng    | 0.00     |
| 7) Phenol-d6                | 5.37  | 99   | 88481    | 13.83 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 6.40  | 82   | 100580   | 22.85 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.39 | 330  | 7946     | 9.32  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 8.59  | 172  | 39105    | 5.28  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.19 | 244  | 50725    | 6.24  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 4) n-Nitrosodimethylamine      | 2.55  | 42   | 5979     | 2.09  | ng    | # 1    |
| 9) Benzaldehyde                | 5.24  | 77   | 13485    | 2.77  | ng    | # 30   |
| 15) Benzyl Alcohol             | 5.95  | 79   | 22121    | 4.66  | ng    | # 45   |
| 18) Hexachloroethane           | 6.39  | 117  | 6807     | 2.88  | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 6.26  | 70   | 82526    | 19.46 | ng    | # 65   |
| 24) Nitrobenzene               | 6.45  | 77   | 12502    | 2.70  | ng    | # 48   |
| 25) Isophorone                 | 6.71  | 82   | 259195   | 31.77 | ng    | # 1    |
| 26) 2-Nitrophenol              | 6.85  | 139  | 44553    | 17.89 | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 6.85  | 122  | 22975    | 5.68  | ng    | # 1    |
| 29) 2,4-Dichlorophenol         | 7.10  | 162  | 19589    | 5.21  | ng    | # 1    |
| 33) 4-Chloroaniline            | 7.35  | 127  | 20252    | 3.73  | ng    | # 39   |
| 35) Caprolactam                | 7.79  | 113  | 19354    | 16.37 | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 7.98  | 107  | 10215    | 2.59  | ng    | # 20   |
| 42) 2,4,6-Trichlorophenol      | 8.50  | 196  | 12097    | 5.55  | ng    | # 13   |
| 43) 2,4,5-Trichlorophenol      | 8.57  | 196  | 5844     | 2.61  | ng    | # 1    |
| 47) 2-Nitroaniline             | 8.87  | 65   | 6279     | 3.08  | ng    | # 67   |
| 49) Dimethylphthalate          | 9.09  | 163  | 21709    | 2.67  | ng    | # 13   |
| 50) 2,6-Dinitrotoluene         | 9.20  | 165  | 20904    | 11.46 | ng    | # 57   |
| 52) 3-Nitroaniline             | 9.39  | 138  | 4425     | 2.10  | ng    | # 39   |
| 53) 2,4-Dinitrophenol          | 9.53  | 184  | 2160     | 7.78  | ng    | # 1    |
| 55) 4-Nitrophenol              | 9.63  | 139  | 18269    | 12.25 | ng    | # 1    |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.85  | 232  | 4051     | 2.52  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.24 | 169  | 34923    | 5.29  | ng    | # 49   |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 649

Delta R.T. -0.01 min

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ClientSampleId :

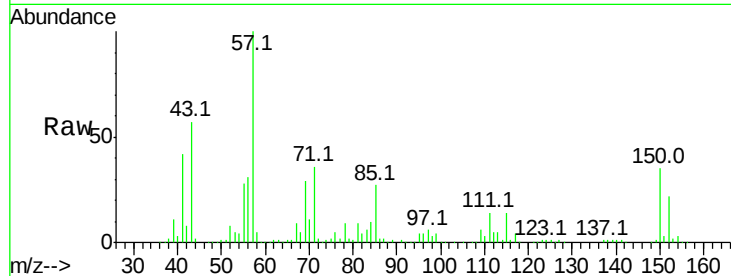
Tot Ion:152 Resp: 90066

Ion Ratio Lower Upper

152 100

150 158.0 126.2 189.2

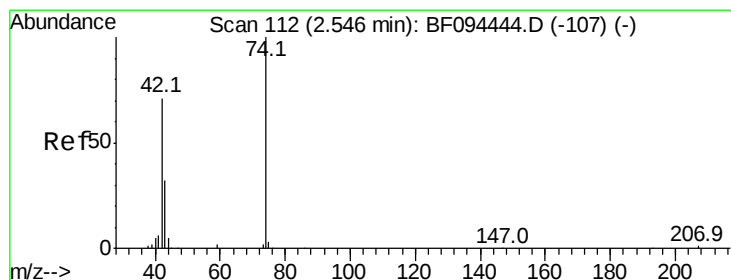
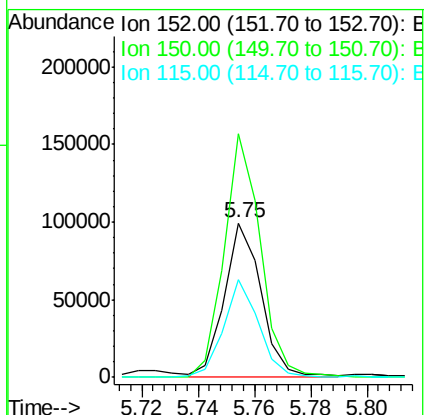
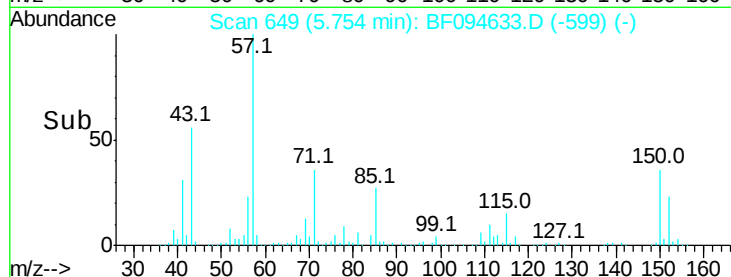
115 63.7 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine

Concen: 2.09 ng

RT: 2.55 min Scan# 105

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

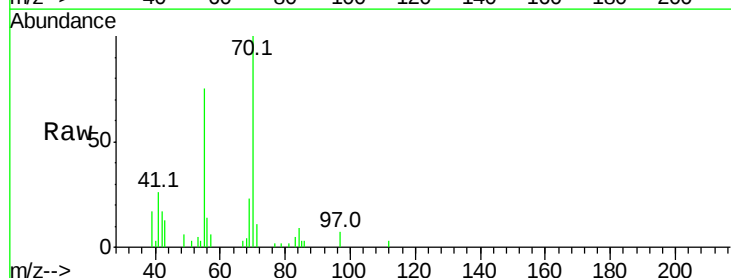
Tgt Ion: 42 Resp: 5979

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

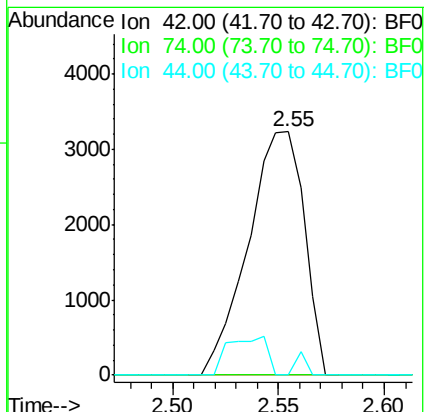
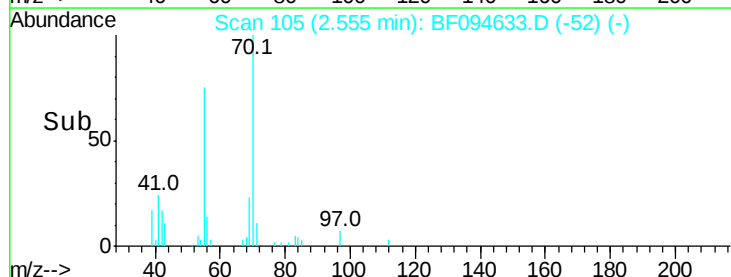
44 0.0 5.7 8.5#

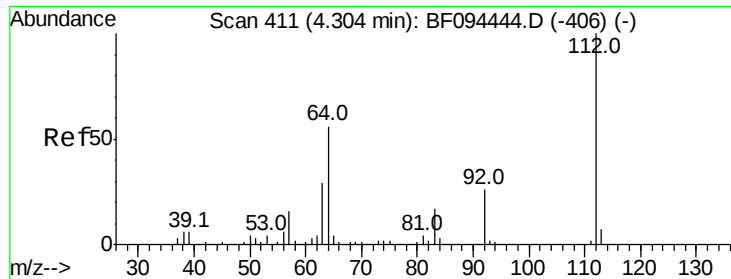


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 11.65 ng

RT: 4.30 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

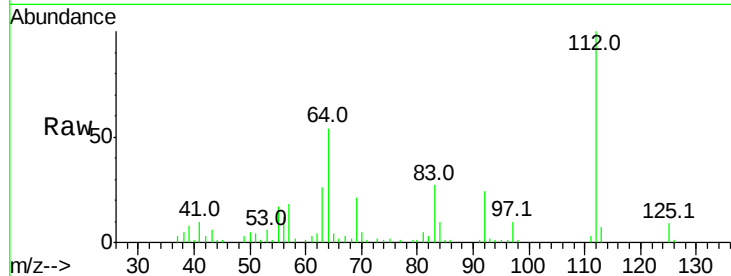
Tot Ion:112 Resp: 63258

Ion Ratio Lower Upper

112 100

64 53.7 46.0 69.0

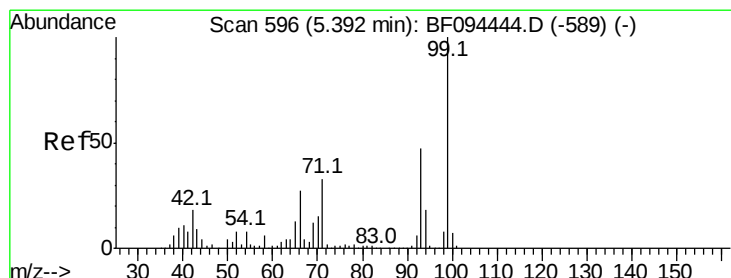
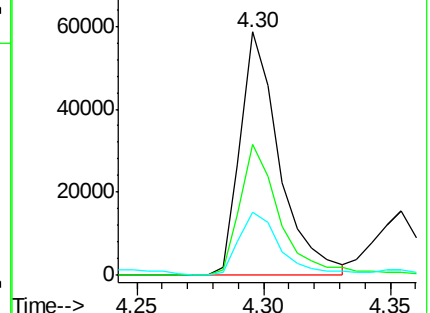
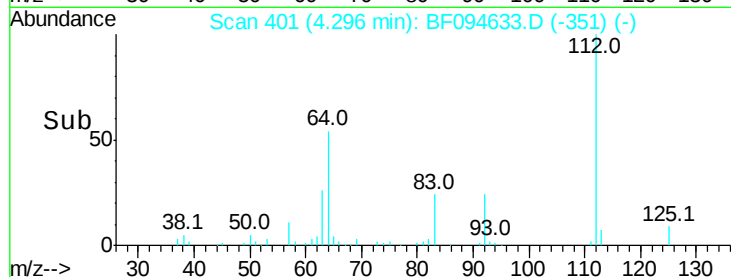
63 26.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 13.83 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

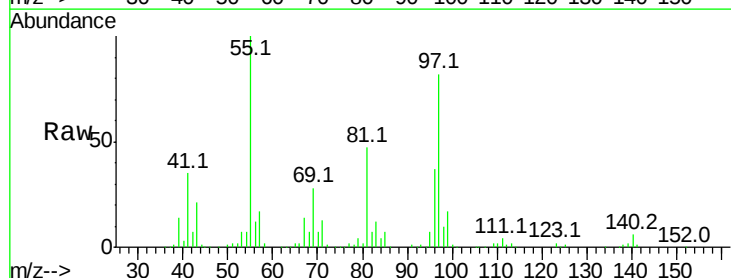
Tgt Ion: 99 Resp: 88481

Ion Ratio Lower Upper

99 100

42 43.8 13.5 20.3#

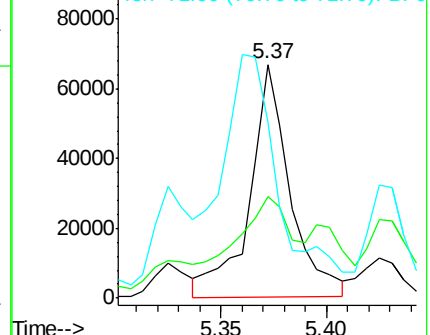
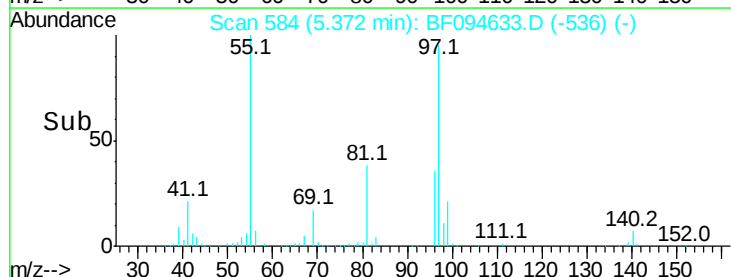
71 75.1 24.5 36.7#

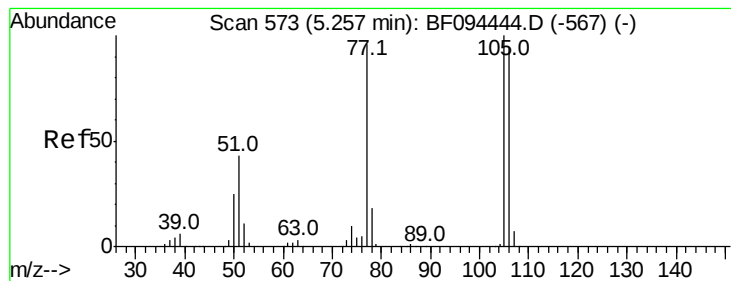


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.77 ng

RT: 5.24 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampled :

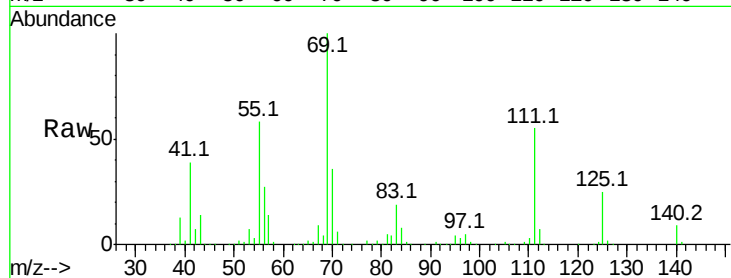
Tot Ion: 77 Resp: 13485

Ion Ratio Lower Upper

77 100

105 55.9 83.8 123.8#

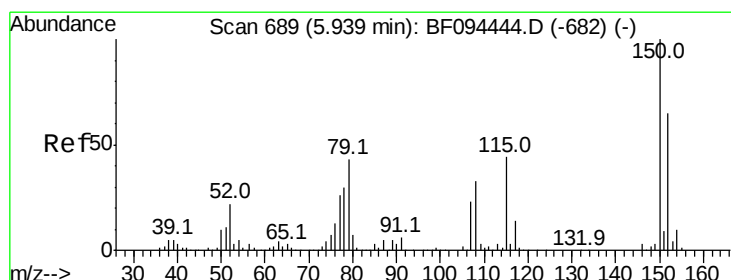
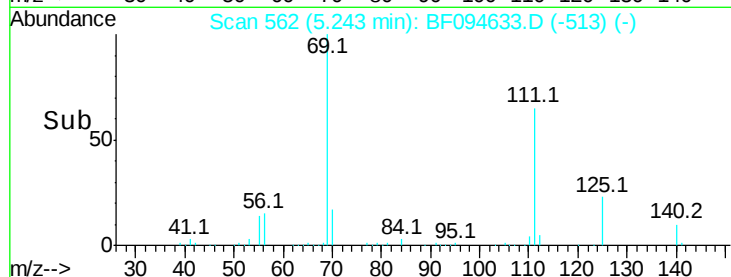
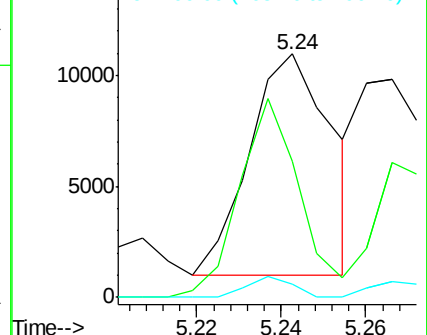
106 5.2 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#15

Benzyl Alcohol

Concen: 4.66 ng

RT: 5.95 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

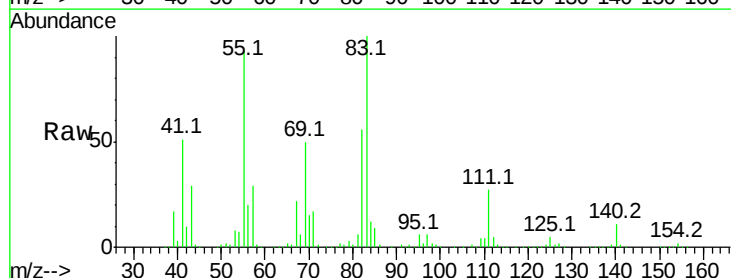
Tgt Ion: 79 Resp: 22121

Ion Ratio Lower Upper

79 100

108 10.7 63.4 95.0#

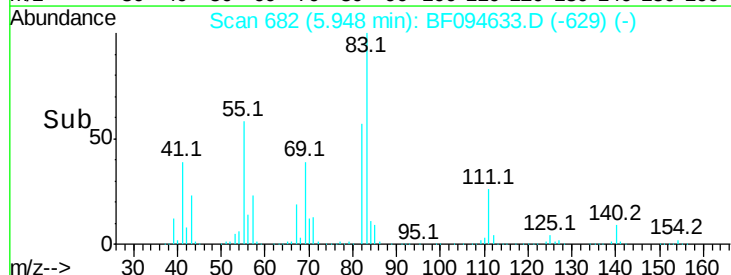
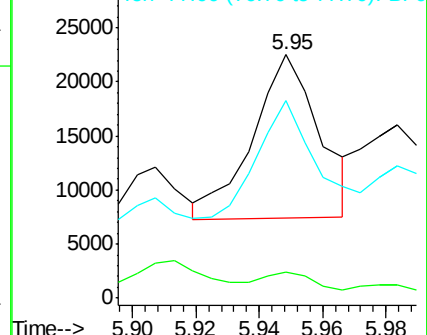
77 81.1 49.2 73.8#

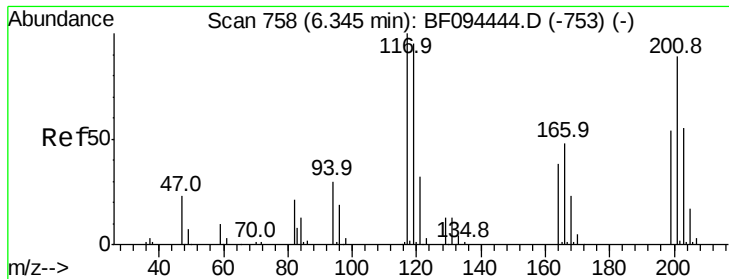


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): B

Ion 77.00 (76.70 to 77.70): BF0

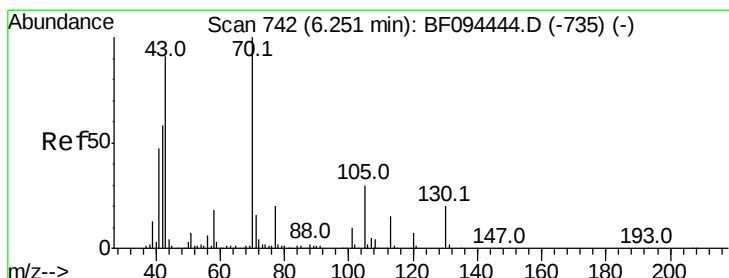
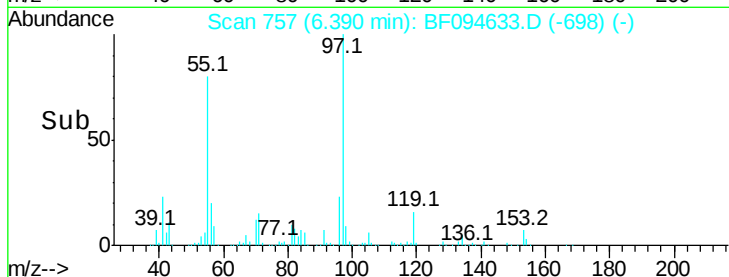
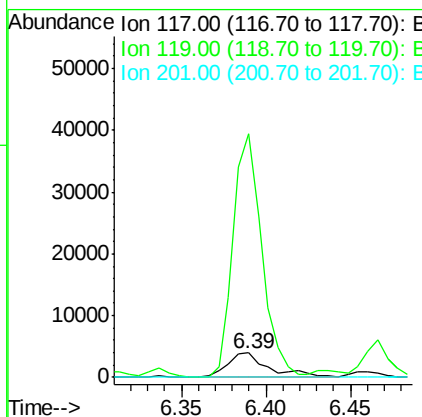
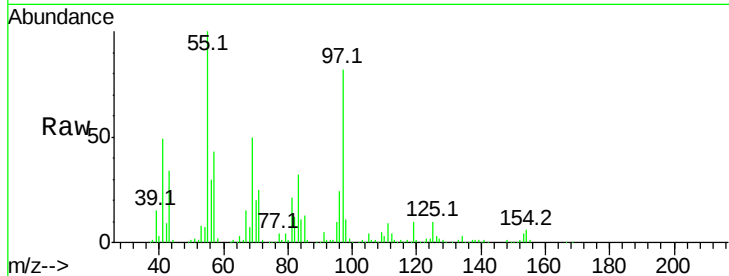




#18  
Hexachloroethane  
Concen: 2.88 ng  
RT: 6.39 min Scan# 757  
Delta R.T. 0.04 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

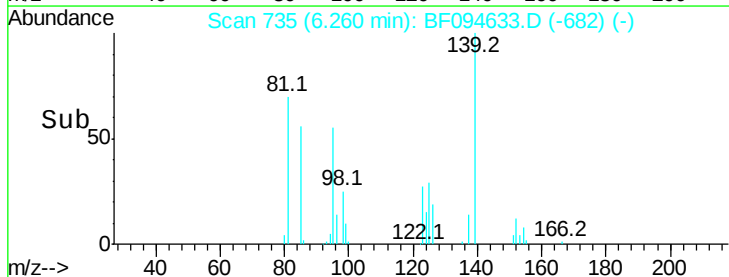
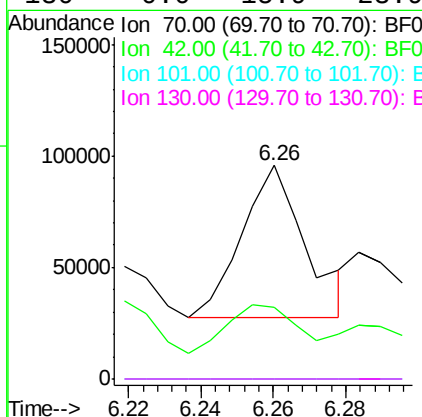
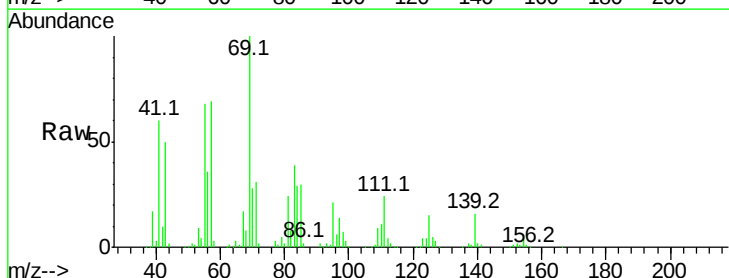
Instrument :  
BNA\_F  
ClientSampled :

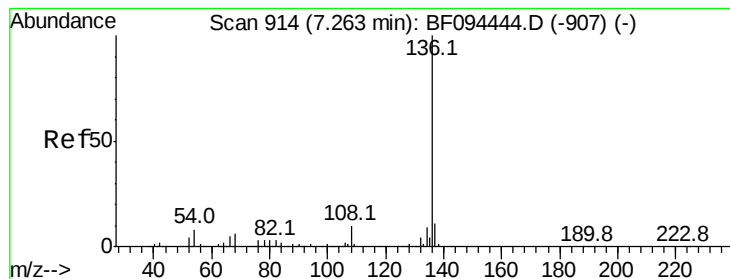
Tot Ion:117 Resp: 6807  
Ion Ratio Lower Upper  
117 100  
119 996.8 77.4 116.0#  
201 0.0 94.6 141.8#



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.46 ng  
RT: 6.26 min Scan# 735  
Delta R.T. 0.01 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

Tgt Ion: 70 Resp: 82526  
Ion Ratio Lower Upper  
70 100  
42 33.5 47.2 70.8#  
101 0.0 7.2 10.8#  
130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 271762

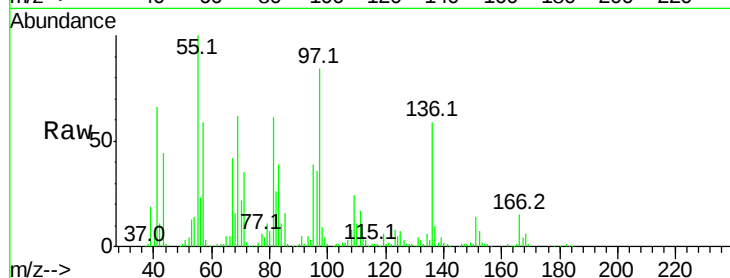
Ion Ratio Lower Upper

136 100

137 16.8 8.5 12.7#

54 23.1 4.9 7.3#

68 27.3 4.1 6.1#

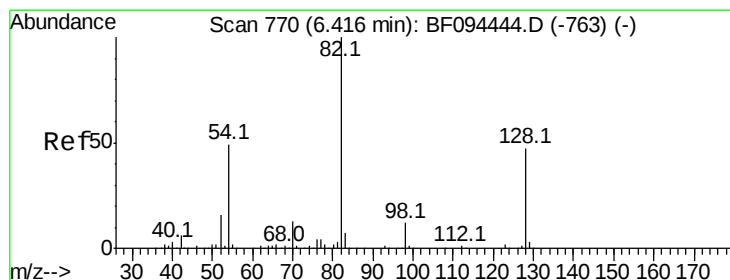
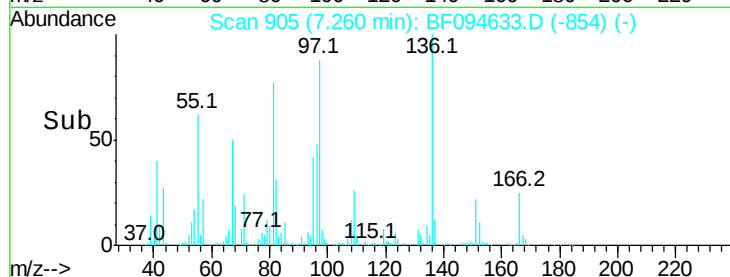
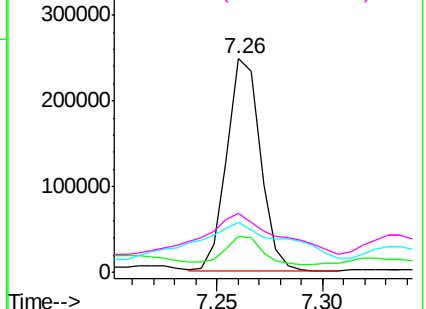


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 22.85 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

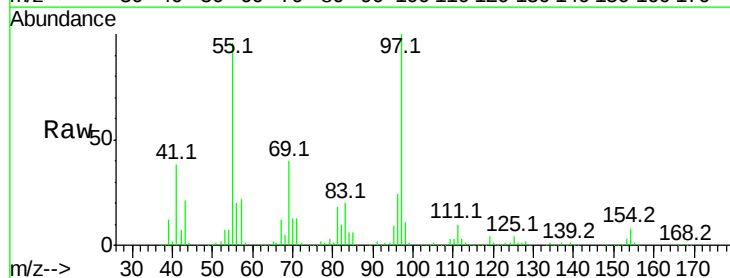
Tgt Ion: 82 Resp: 100580

Ion Ratio Lower Upper

82 100

128 19.4 34.0 51.0#

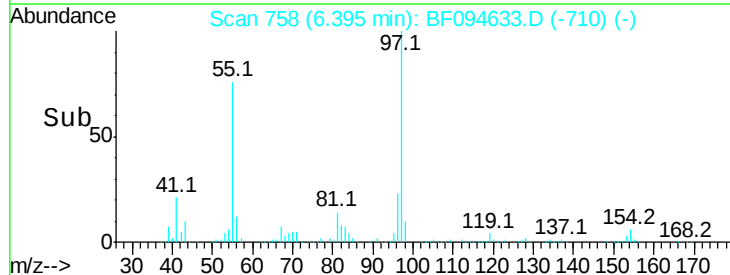
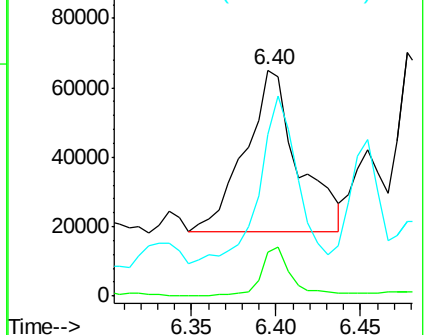
54 71.5 42.2 63.2#

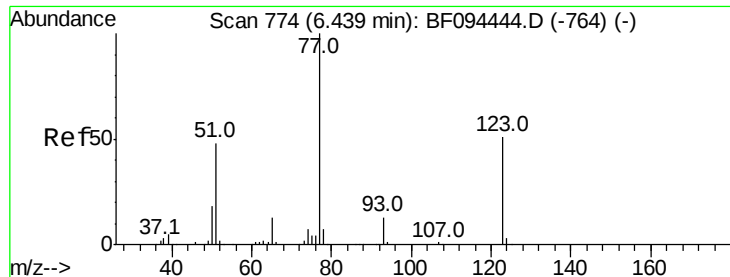


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.70 ng

RT: 6.45 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

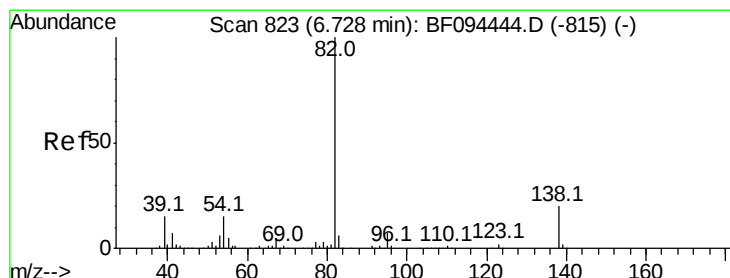
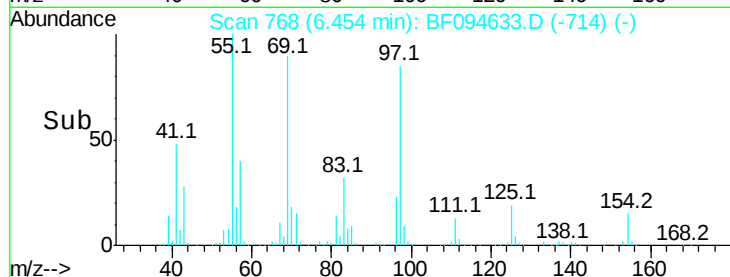
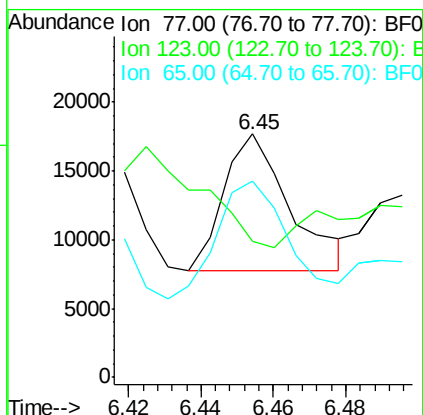
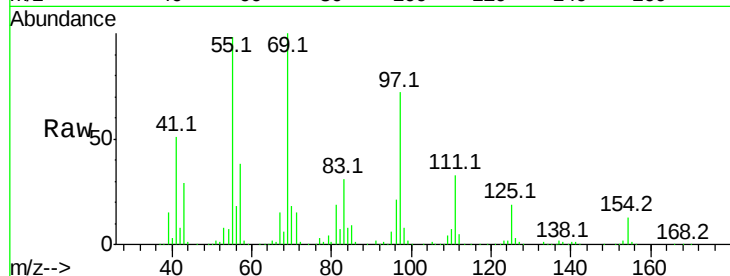
Tot Ion: 77 Resp: 12502

Ion Ratio Lower Upper

77 100

123 55.9 35.8 53.8#

65 80.7 10.6 15.8#



#25

Isophorone

Concen: 31.77 ng

RT: 6.71 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

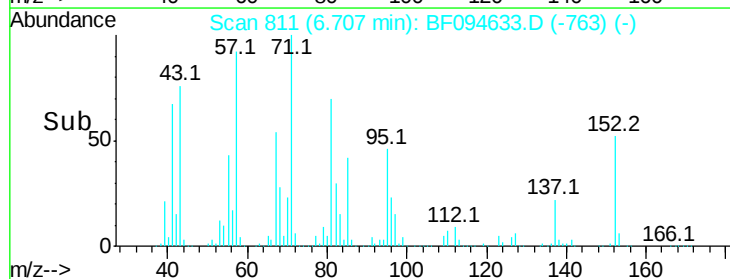
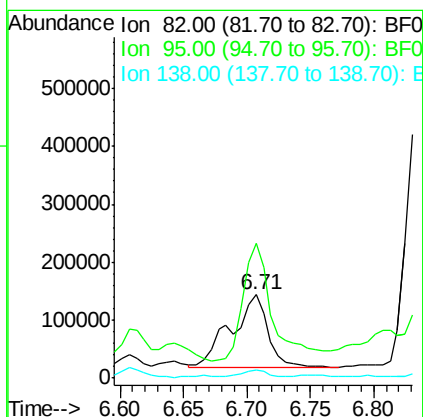
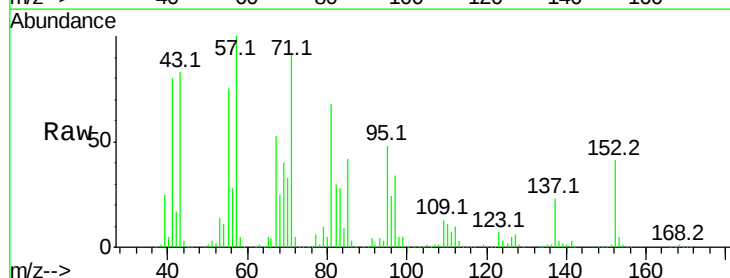
Tgt Ion: 82 Resp: 259195

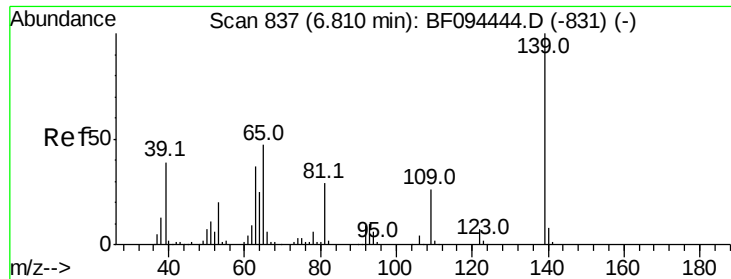
Ion Ratio Lower Upper

82 100

95 162.8 5.3 7.9#

138 10.3 13.1 19.7#





#26

2-Nitrophenol

Concen: 17.89 ng

RT: 6.85 min Scan# 835

Delta R.T. 0.04 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

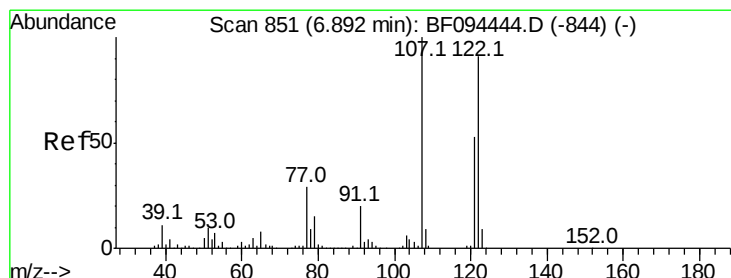
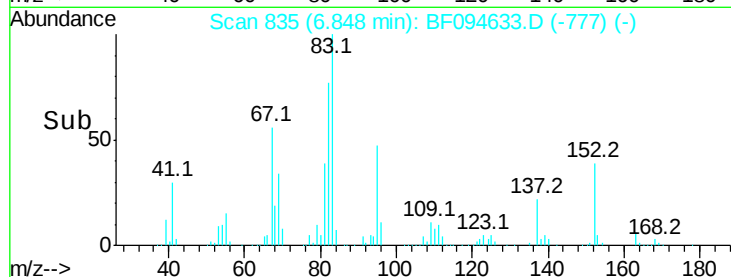
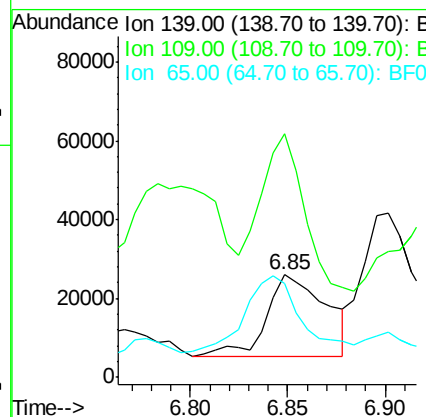
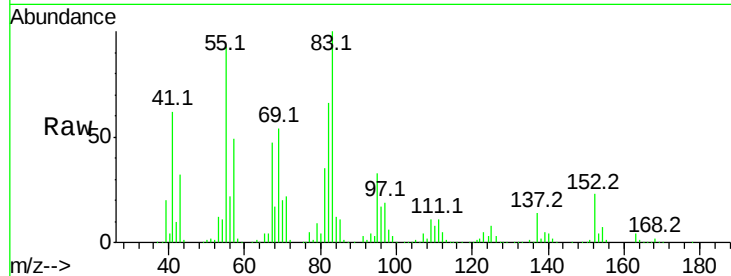
Tot Ion:139 Resp: 44553

Ion Ratio Lower Upper

139 100

109 237.7 21.0 31.6#

65 91.5 33.0 49.6#



#27

2,4-Dimethylphenol

Concen: 5.68 ng

RT: 6.85 min Scan# 836

Delta R.T. -0.04 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

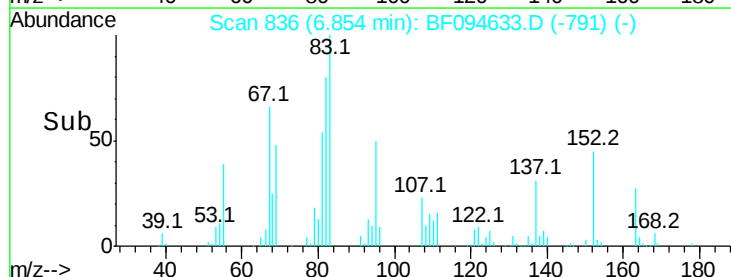
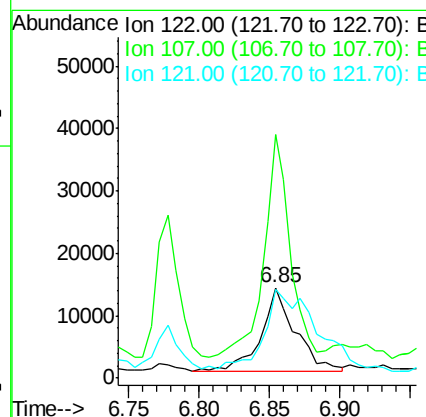
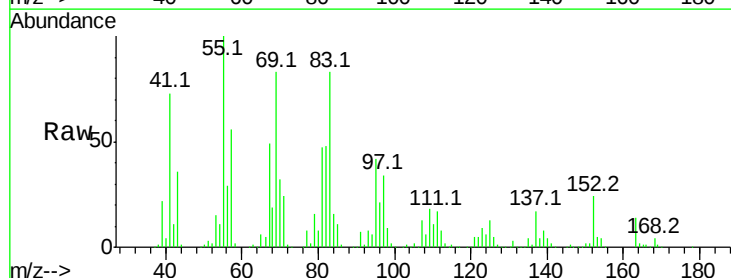
Tgt Ion:122 Resp: 22975

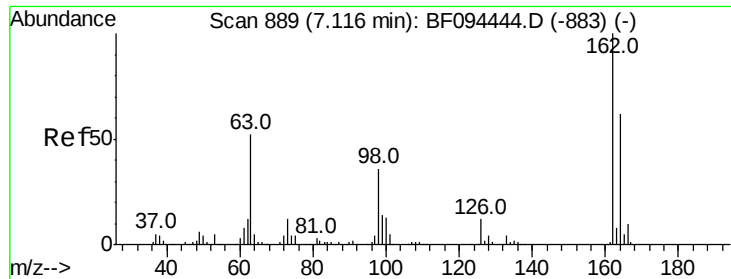
Ion Ratio Lower Upper

122 100

107 270.3 89.2 133.8#

121 98.1 45.2 67.8#





#29

2,4-Dichlorophenol

Concen: 5.21 ng

RT: 7.10 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

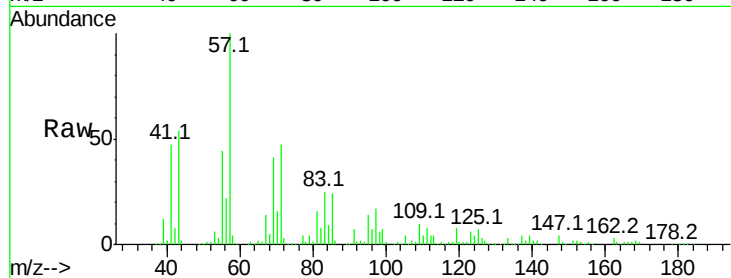
Tot Ion:162 Resp: 19589

Ion Ratio Lower Upper

162 100

164 8.2 44.6 84.6#

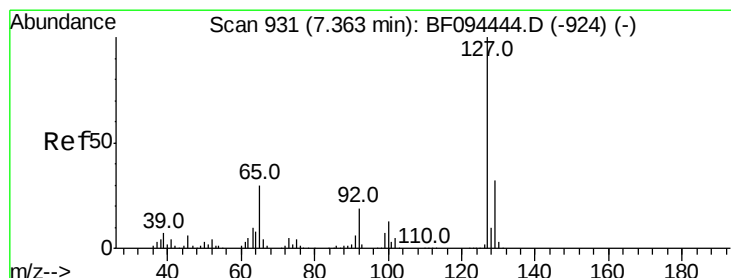
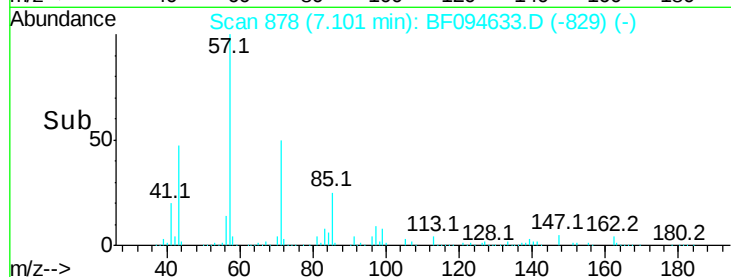
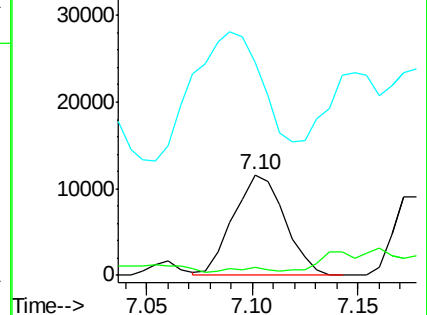
98 210.8 14.8 54.8#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#33

4-Chloroaniline

Concen: 3.73 ng

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Tgt Ion:127 Resp: 20252

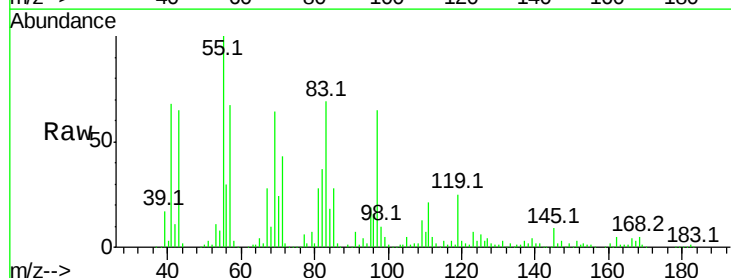
Ion Ratio Lower Upper

127 100

129 40.1 26.2 39.2#

65 114.9 27.8 41.8#

92 24.5 16.8 25.2

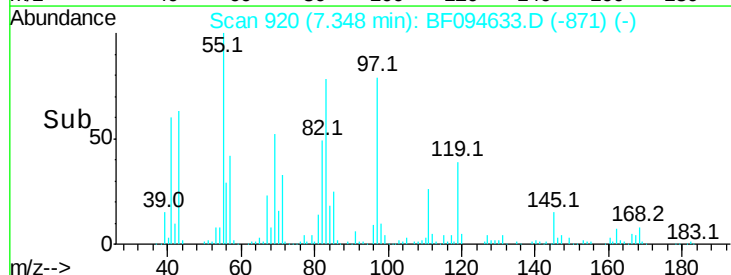
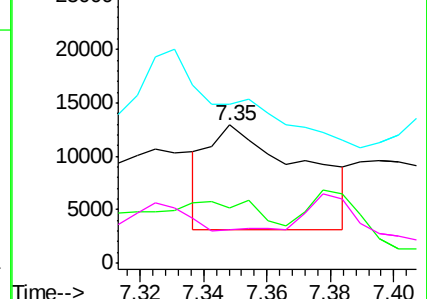


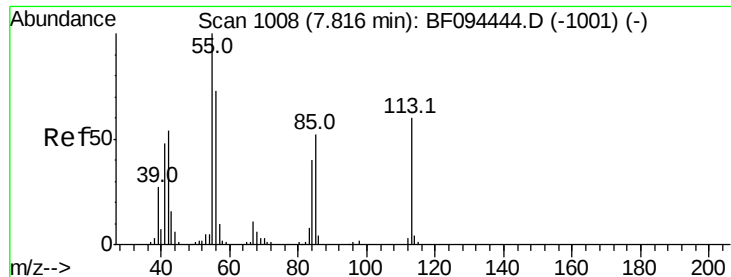
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 16.37 ng

RT: 7.79 min Scan# 995

Delta R.T. -0.03 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

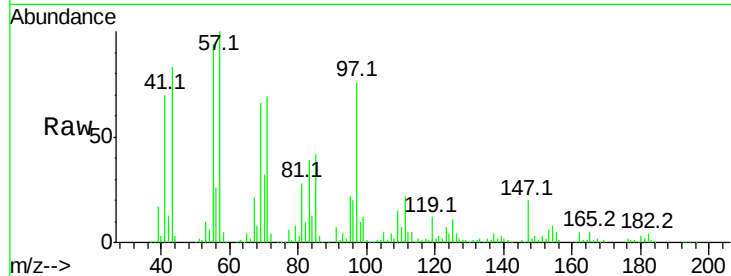
Tot Ion:113 Resp: 19354

Ion Ratio Lower Upper

113 100

55 1854.1 150.2 190.2#

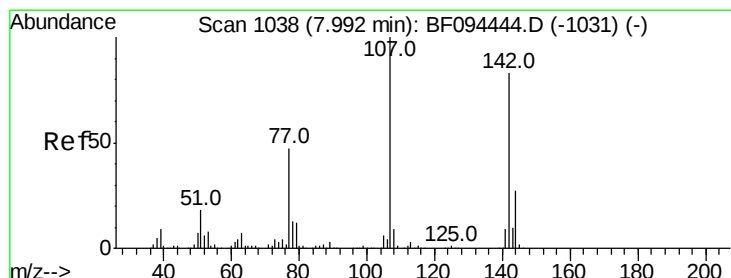
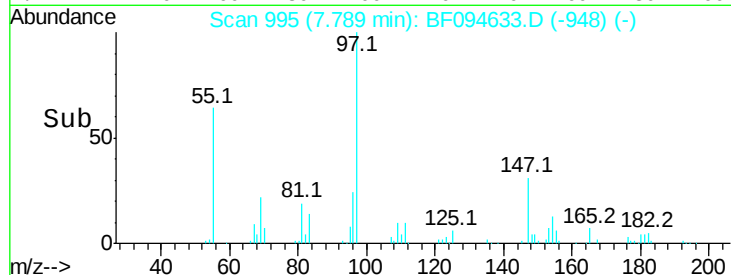
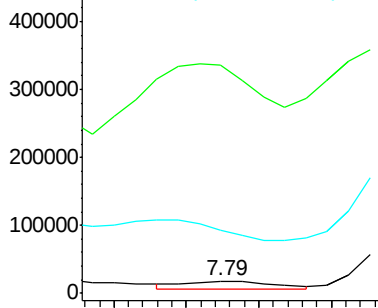
56 513.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 2.59 ng

RT: 7.98 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

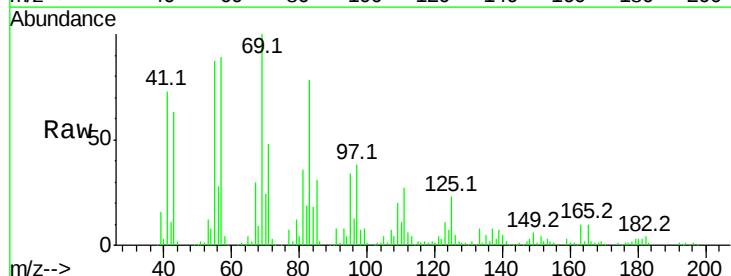
Tgt Ion:107 Resp: 10215

Ion Ratio Lower Upper

107 100

144 5.5 24.2 36.4#

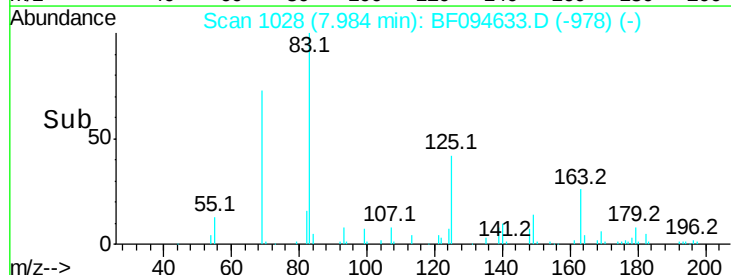
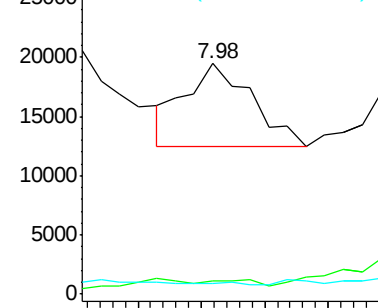
142 4.5 73.4 110.0#

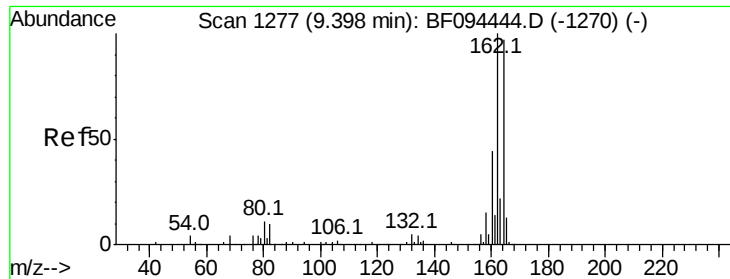


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

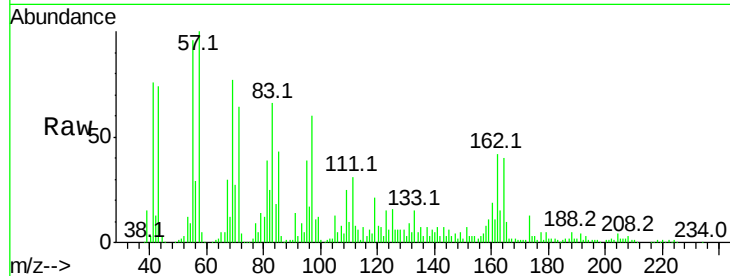




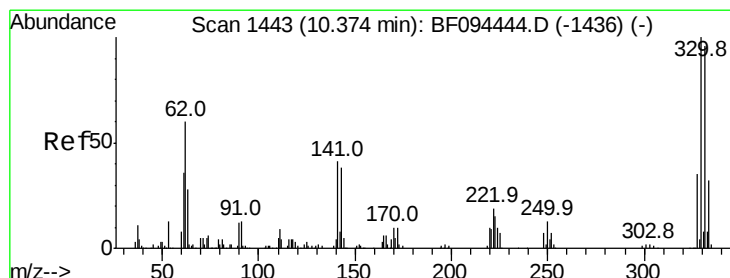
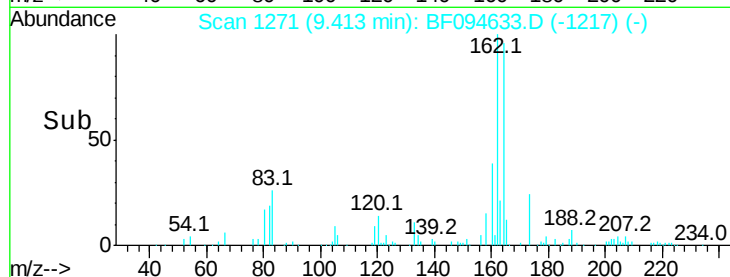
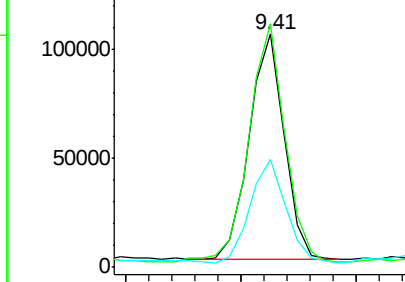
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.41 min Scan# 1271  
Delta R.T. 0.01 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.5 | 82.6  | 123.8 |
| 160     | 46.4  | 36.2  | 54.2  |

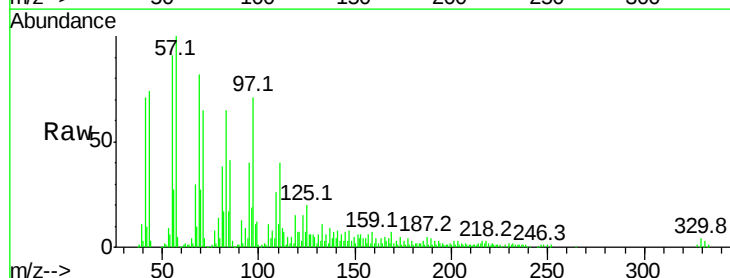


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

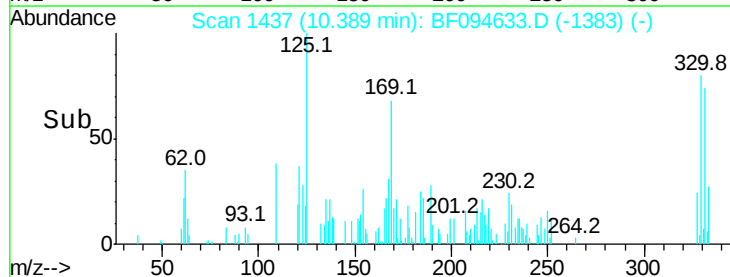
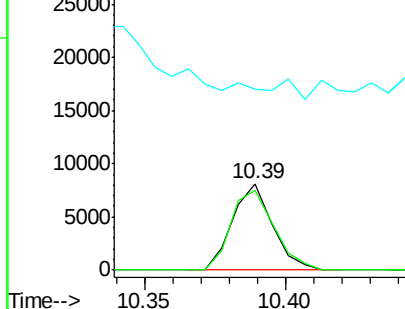


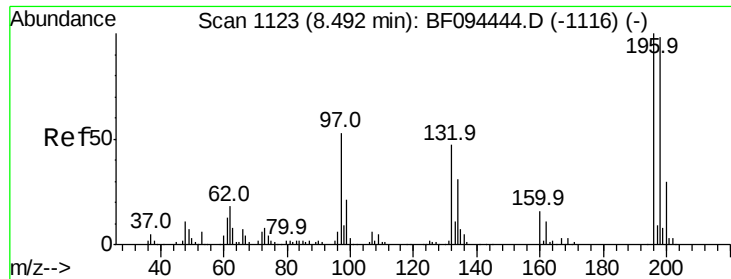
#41  
2,4,6-Tribromophenol  
Concen: 9.32 ng  
RT: 10.39 min Scan# 1437  
Delta R.T. 0.01 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.1 | 76.6  | 115.0 |
| 141     | 0.0   | 31.4  | 47.2# |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 5.55 ng

RT: 8.50 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampled :

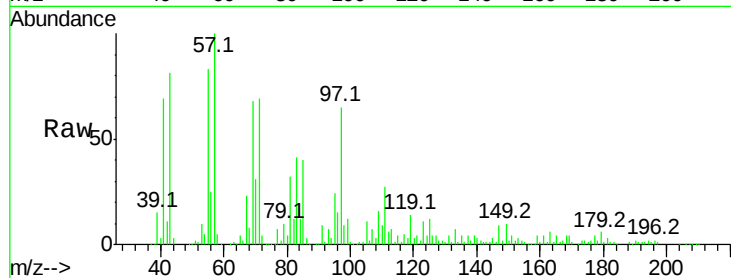
Tot Ion:196 Resp: 12097

Ion Ratio Lower Upper

196 100

198 0.0 74.2 111.4#

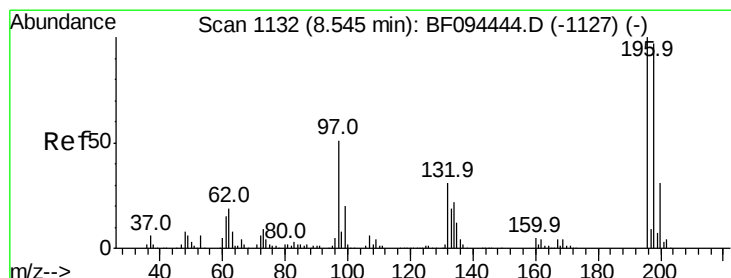
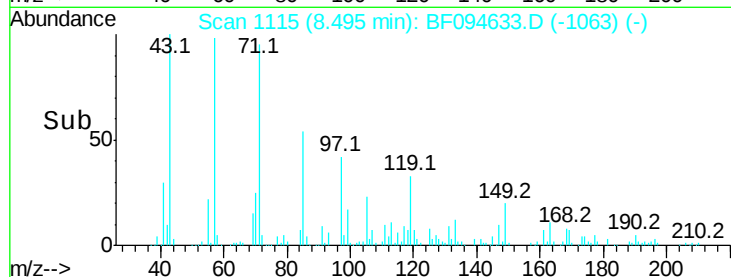
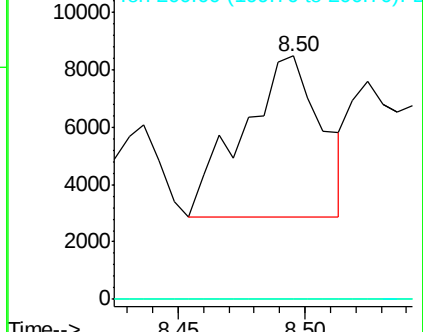
200 0.0 24.0 36.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 2.61 ng

RT: 8.57 min Scan# 1128

Delta R.T. 0.03 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Tgt Ion:196 Resp: 5844

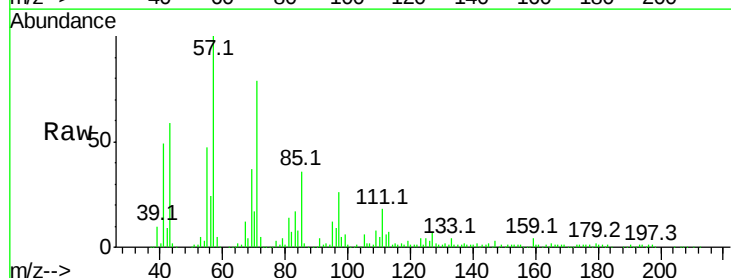
Ion Ratio Lower Upper

196 100

198 6.8 75.7 113.5#

97 2149.2 47.7 71.5#

132 88.2 28.0 42.0#

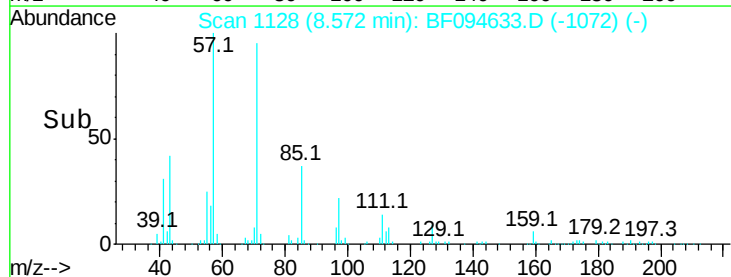
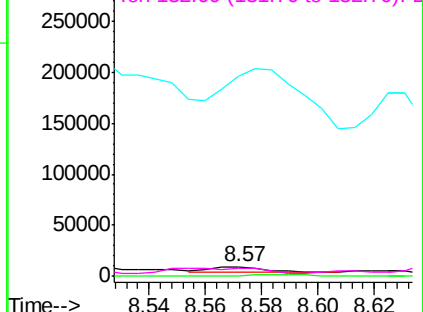


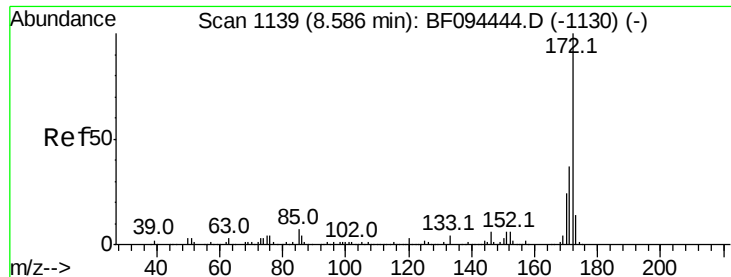
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 5.28 ng

RT: 8.59 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

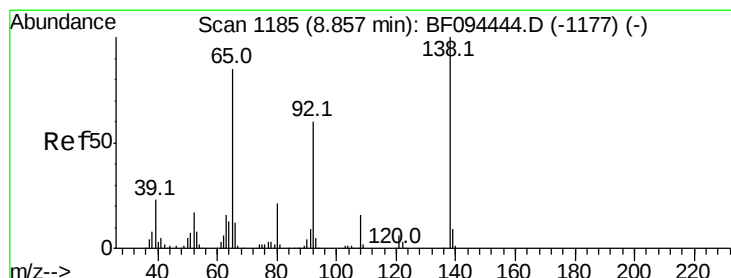
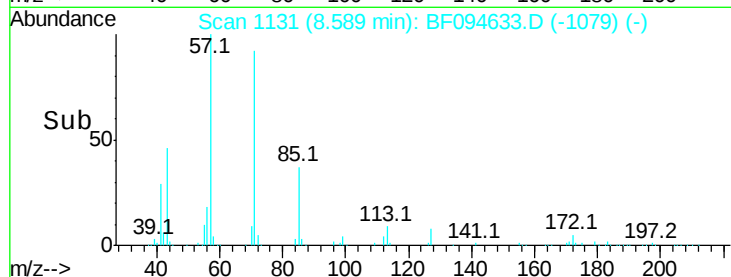
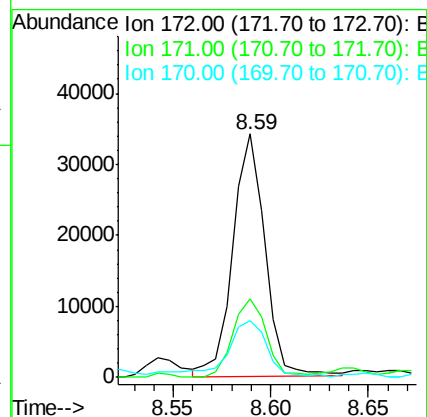
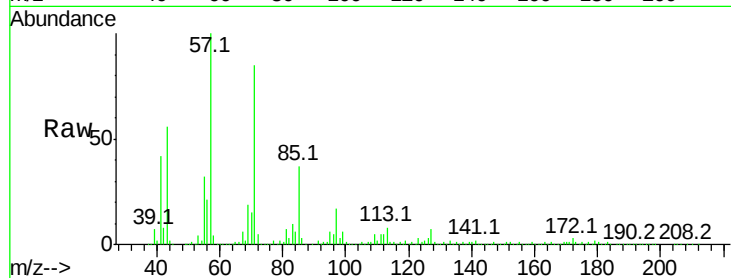
Tot Ion:172 Resp: 39105

Ion Ratio Lower Upper

172 100

171 32.1 29.6 44.4

170 23.2 19.8 29.8



#47

2-Nitroaniline

Concen: 3.08 ng

RT: 8.87 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

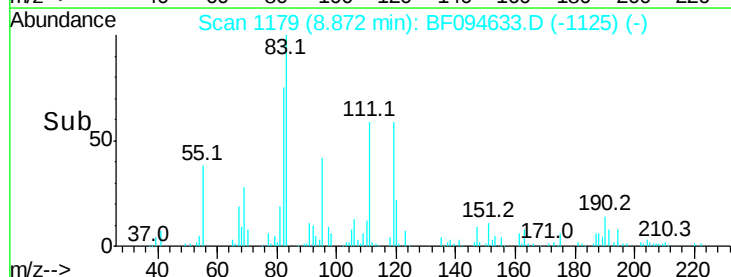
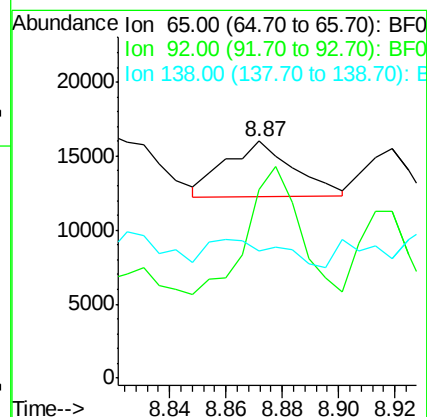
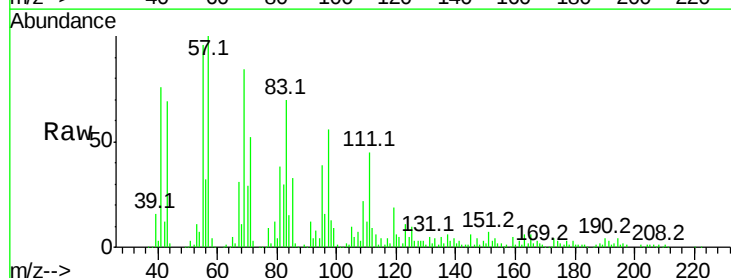
Tgt Ion: 65 Resp: 6279

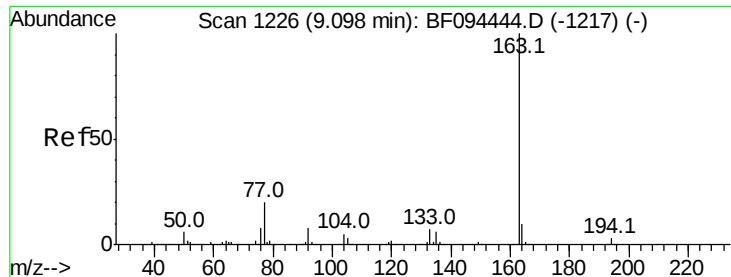
Ion Ratio Lower Upper

65 100

92 79.7 53.9 80.9

138 53.9 78.8 118.2#

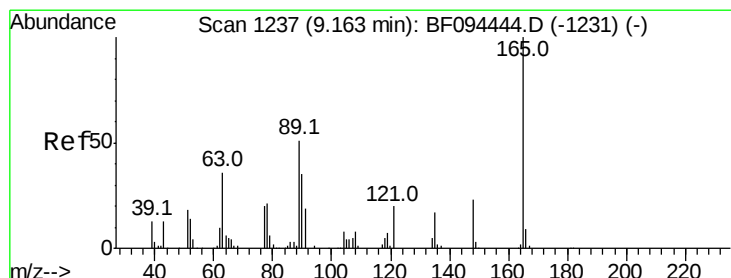
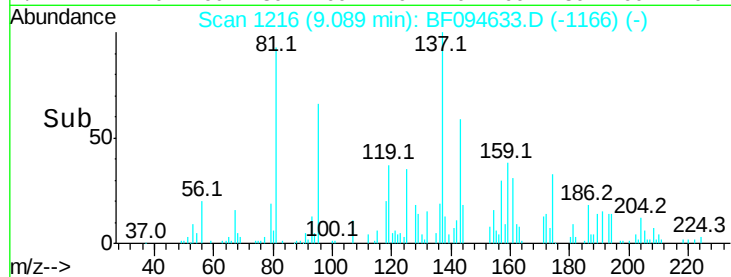
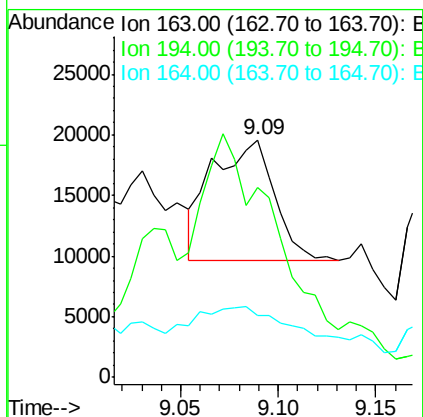
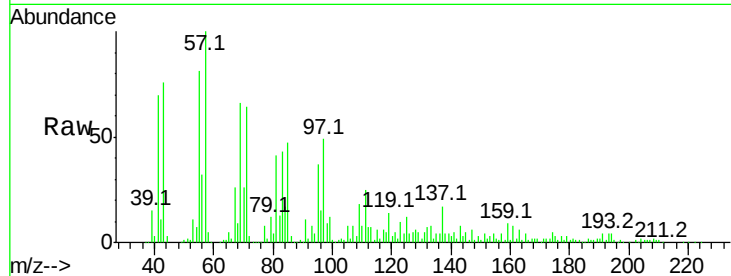




#49  
Dimethylphthalate  
Concen: 2.67 ng  
RT: 9.09 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

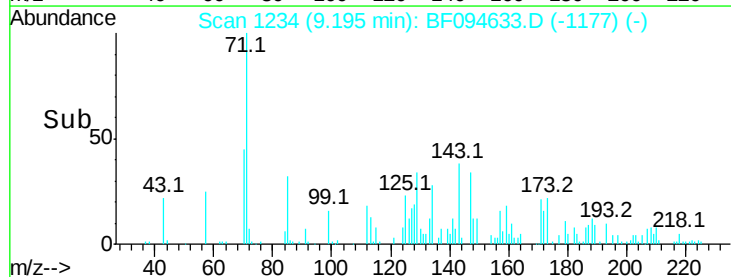
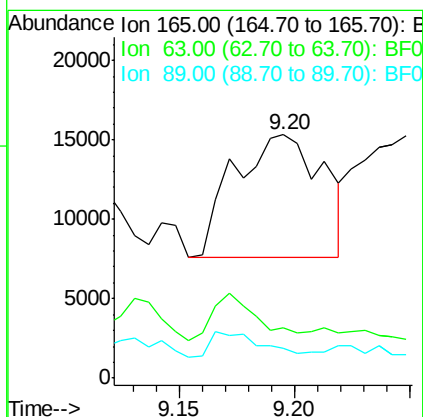
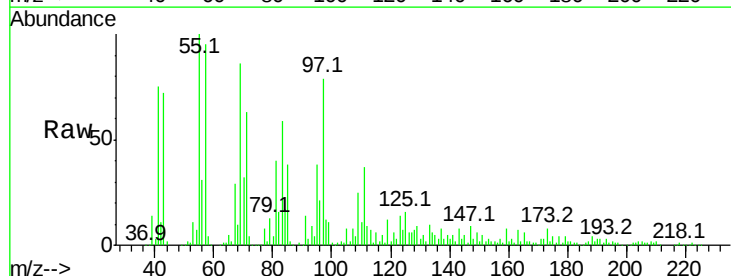
Instrument :  
BNA\_F  
ClientSampleId :

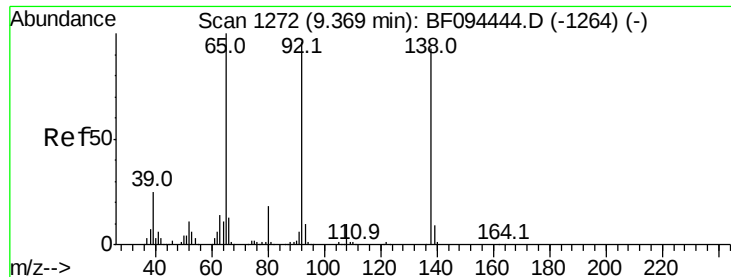
Tot Ion:163 Resp: 21709  
Ion Ratio Lower Upper  
163 100  
194 79.8 2.6 4.0#  
164 26.1 8.4 12.6#



#50  
2,6-Dinitrotoluene  
Concen: 11.46 ng  
RT: 9.20 min Scan# 1234  
Delta R.T. 0.03 min  
Lab File: BF094633.D  
Acq: 26 Apr 2017 5:06

Tgt Ion:165 Resp: 20904  
Ion Ratio Lower Upper  
165 100  
63 20.5 34.3 51.5#  
89 12.4 37.1 55.7#





#52

3-Nitroaniline

Concen: 2.10 ng

RT: 9.39 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

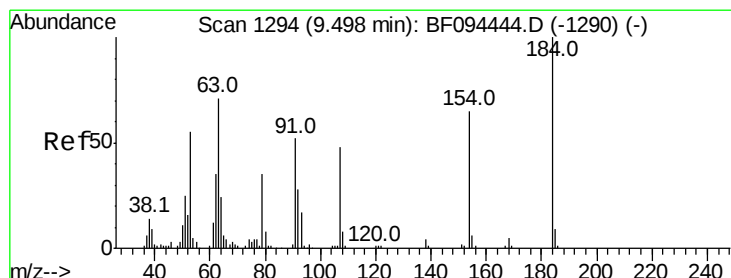
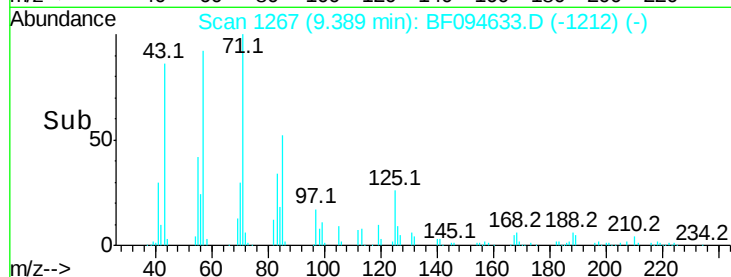
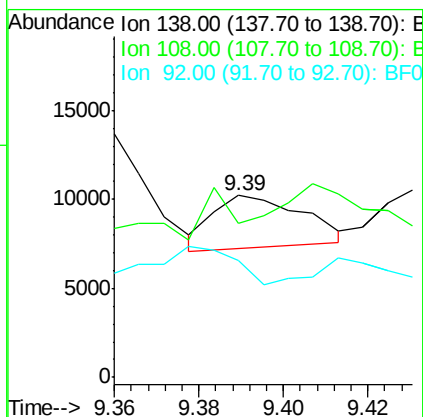
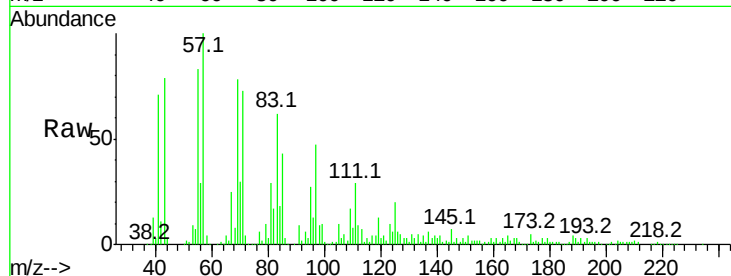
Tot Ion:138 Resp: 4425

Ion Ratio Lower Upper

138 100

108 84.9 9.1 13.7#

92 64.0 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 7.78 ng

RT: 9.53 min Scan# 1291

Delta R.T. 0.03 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

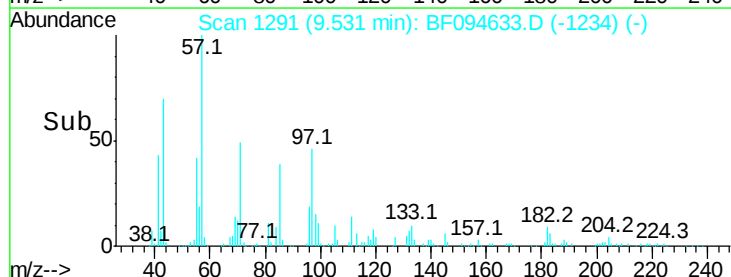
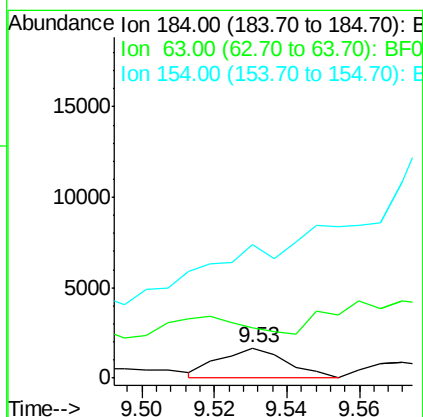
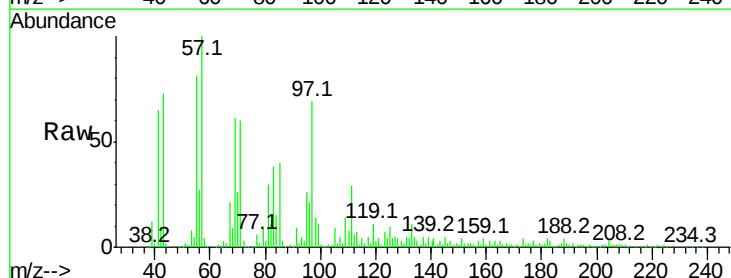
Tgt Ion:184 Resp: 2160

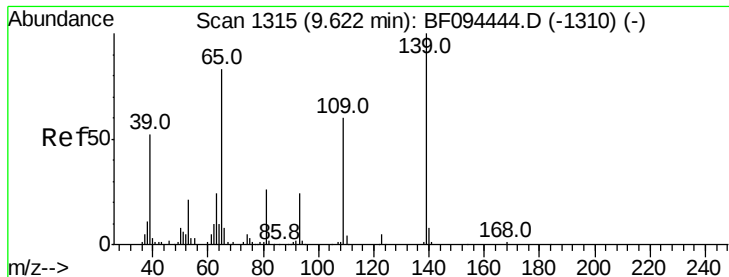
Ion Ratio Lower Upper

184 100

63 169.4 62.7 94.1#

154 443.6 81.1 121.7#





#55

4-Nitrophenol

Concen: 12.25 ng

RT: 9.63 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampled :

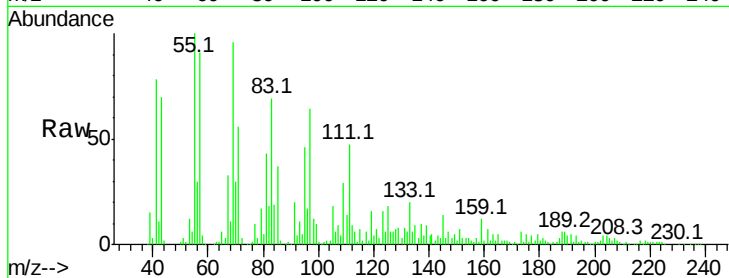
Tot Ion:139 Resp: 18269

Ion Ratio Lower Upper

139 100

109 326.9 34.1 74.1#

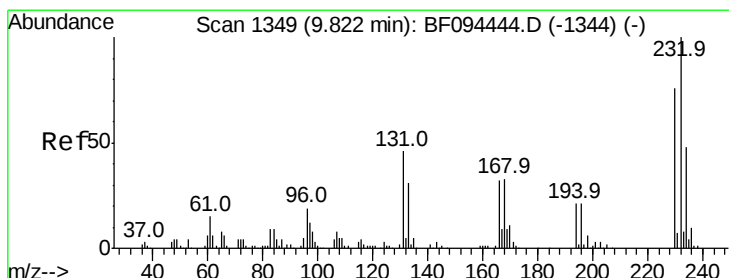
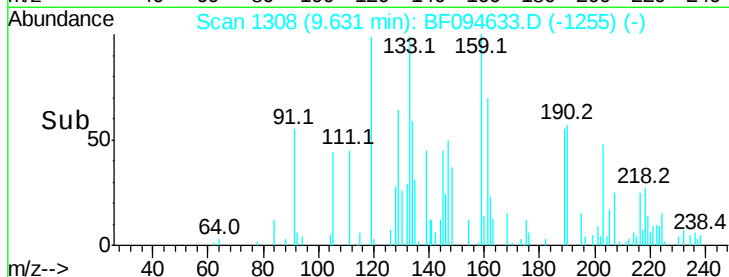
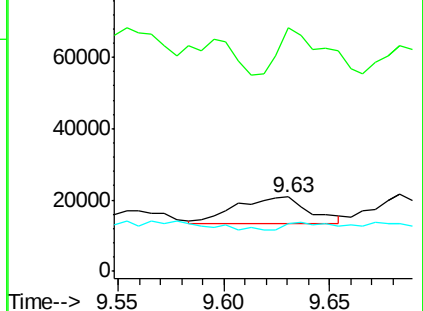
65 64.3 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 2.52 ng

RT: 9.85 min Scan# 1345

Delta R.T. 0.03 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Tgt Ion:232 Resp: 4051

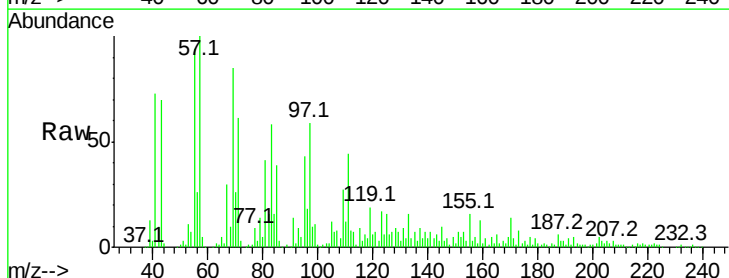
Ion Ratio Lower Upper

232 100

131 804.0 44.8 67.2#

130 0.0 2.3 3.5#

166 23.9 29.0 43.4#

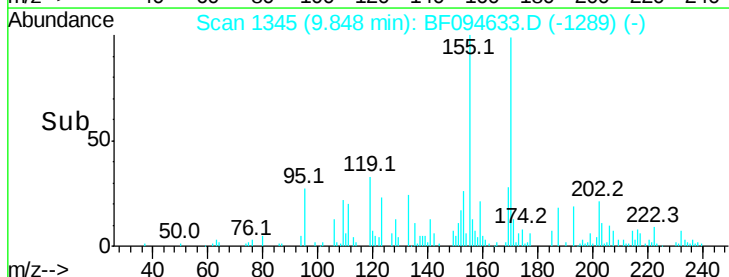
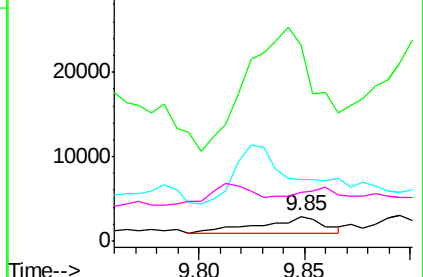


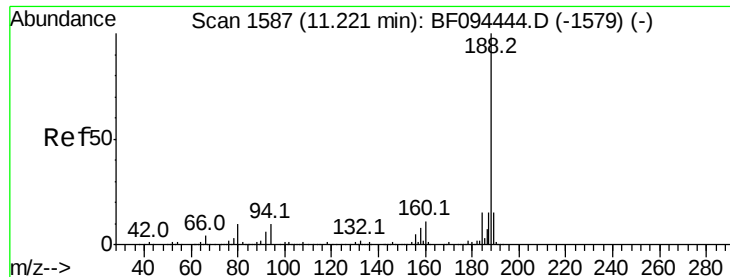
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

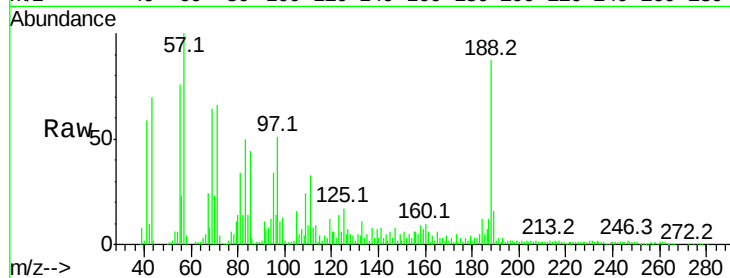
Tot Ion:188 Resp: 189902

Ion Ratio Lower Upper

188 100

94 13.9 9.4 14.2

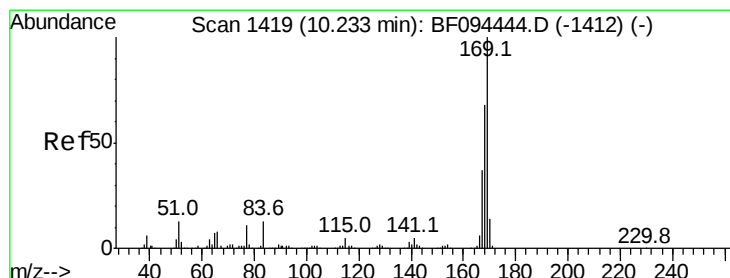
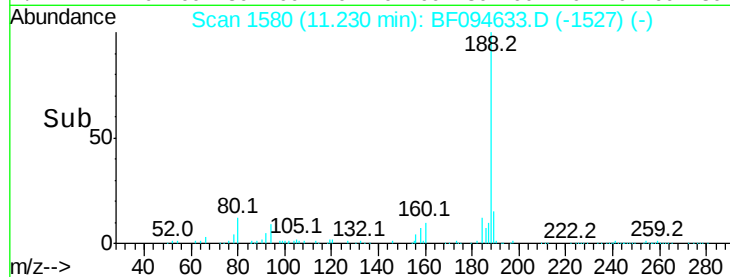
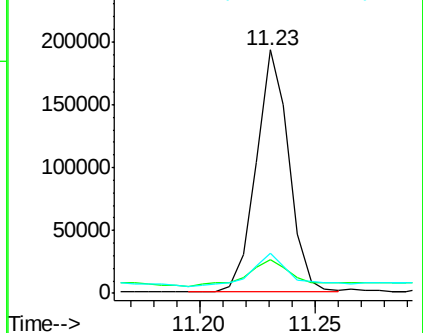
80 16.3 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 5.29 ng

RT: 10.24 min Scan# 1412

Delta R.T. 0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

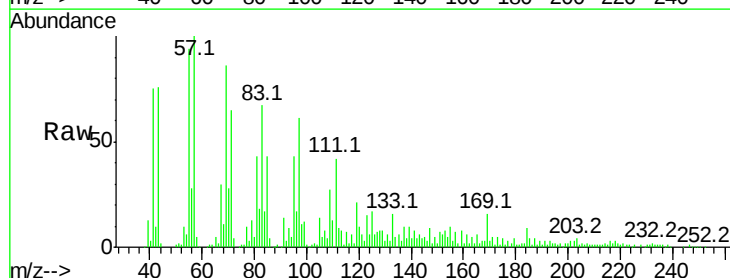
Tgt Ion:169 Resp: 34923

Ion Ratio Lower Upper

169 100

168 16.7 53.2 79.8#

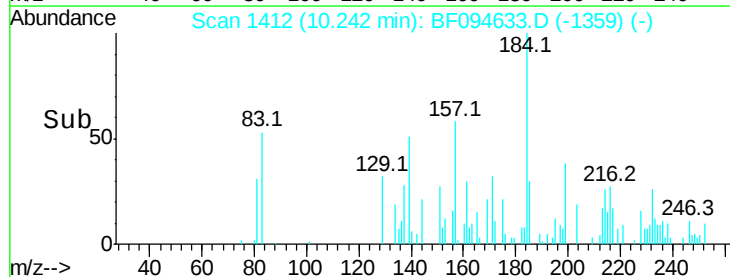
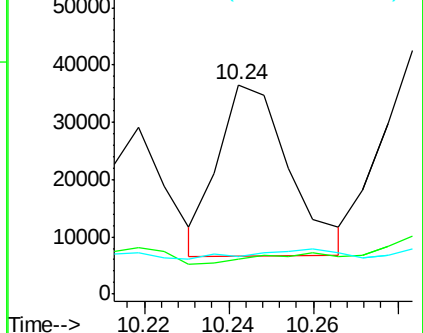
167 18.0 29.5 44.3#

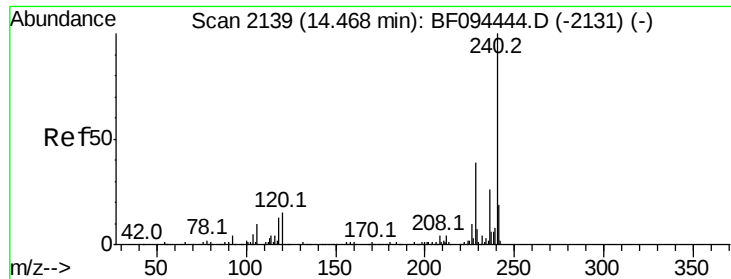


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

Instrument :

BNA\_F

ClientSampleId :

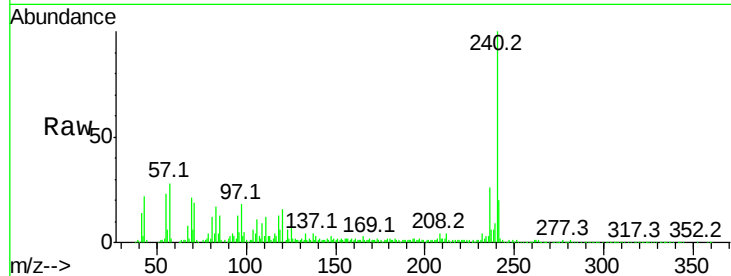
Tot Ion:240 Resp: 217300

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

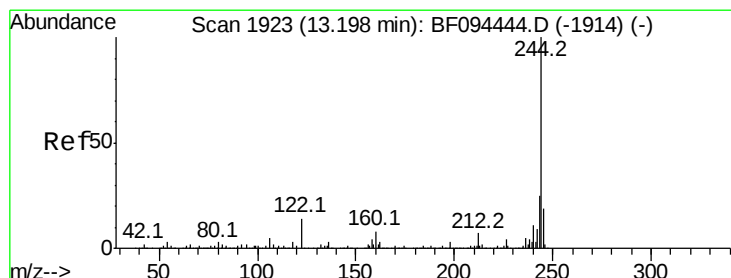
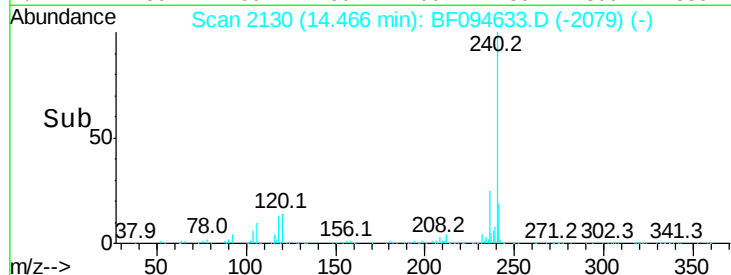
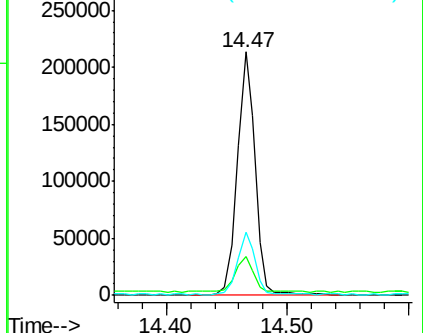
236 25.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 6.24 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094633.D

Acq: 26 Apr 2017 5:06

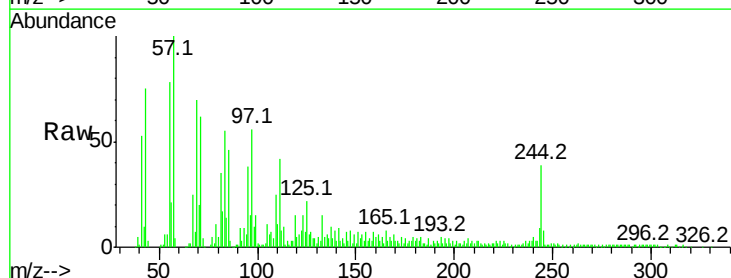
Tgt Ion:244 Resp: 50725

Ion Ratio Lower Upper

244 100

212 8.7 6.0 9.0

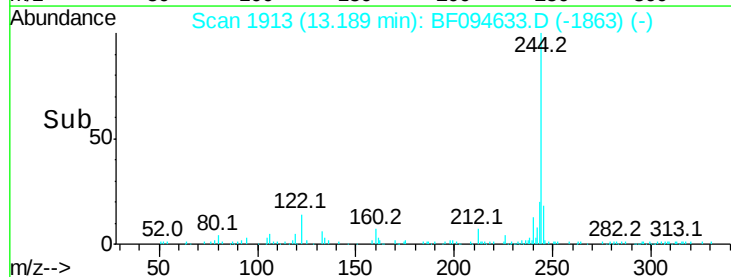
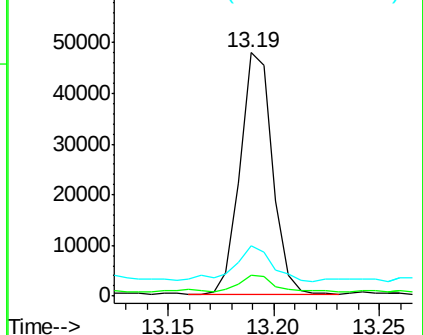
122 20.9 10.3 15.5#

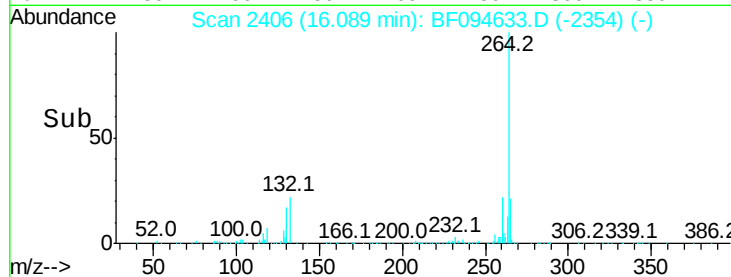
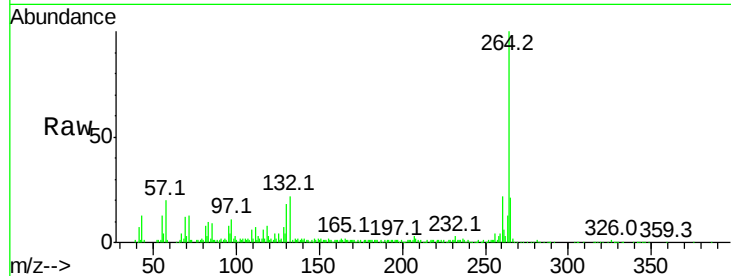
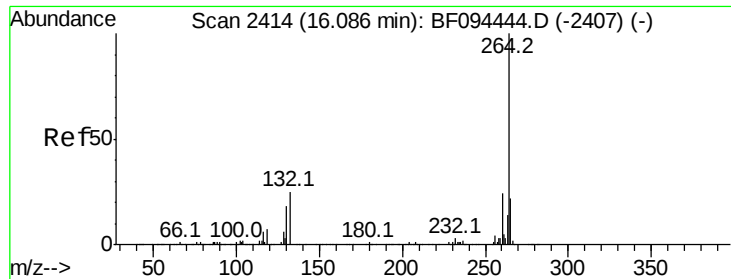


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 16.09 min Scan# 2406  
 Delta R.T. 0.00 min  
 Lab File: BF094633.D  
 Acq: 26 Apr 2017 5:06

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 19.5  | 29.3  |
| 265     | 21.1  | 17.2  | 25.8  |

