

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\  
 Data File : BF103818.D  
 Acq On : 20 Mar 2018 22:21  
 Operator : JU/SJ  
 Sample : J1966-07  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 21 01:00:24 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 2018  
 Response via : Initial Calibration

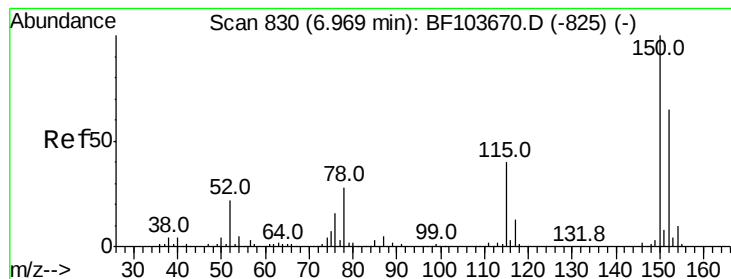
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 150707   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 508870   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.03 | 164  | 172304   | 20.00 | ng    | 0.02     |
| 63) Phenanthrene-d10      | 11.53 | 188  | 133476   | 20.00 | ng    | 0.03     |
| 75) Chrysene-d12          | 14.20 | 240  | 65639    | 20.00 | ng    | 0.05     |
| 86) Perylene-d12          | 15.79 | 264  | 204809   | 20.00 | ng    | 0.11     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 585005  | 59.04  | ng | 0.00 |
| 7) Phenol-d6                | 6.59  | 99  | 453669  | 37.42  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.54  | 82  | 877233  | 120.22 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.83 | 330 | 231165  | 156.04 | ng | 0.03 |
| 44) 2-Fluorobiphenyl        | 9.34  | 172 | 1139284 | 105.47 | ng | 0.01 |
| 78) Terphenyl-d14           | 13.13 | 244 | 531769  | 188.05 | ng | 0.04 |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.60  | 94   | 31894    | 2.476  | ng    | 97     |
| 15) Benzyl Alcohol             | 7.13  | 79   | 19382    | 2.064  | ng    | # 33   |
| 18) Hexachloroethane           | 7.50  | 117  | 90398    | 21.633 | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 25979    | 3.344  | ng    | # 61   |
| 22) Acetophenone               | 7.36  | 105  | 77576    | 5.932  | ng    | # 57   |
| 25) Isophorone                 | 7.78  | 82   | 91141    | 5.395  | ng    | # 1    |
| 26) 2-Nitrophenol              | 7.87  | 139  | 7357     | 11.259 | ng    | # 1    |
| 32) Benzoic acid               | 8.05  | 122  | 7537     | 11.077 | ng    | # 42   |
| 35) Caprolactam                | 8.71  | 113  | 12113    | 5.343  | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.81  | 107  | 19812    | 2.730  | ng    | # 40   |
| 37) 2-Methylnaphthalene        | 8.98  | 142  | 210897   | 12.937 | ng    | # 96   |
| 42) 2,4,6-Trichlorophenol      | 9.25  | 196  | 9204     | 2.927  | ng    | # 13   |
| 47) 2-Nitroaniline             | 9.58  | 65   | 8544     | 9.270  | ng    | # 1    |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 17800    | 10.402 | ng    | # 69   |
| 51) Acenaphthene               | 10.06 | 154  | 44496    | 4.235  | ng    | # 64   |
| 52) 3-Nitroaniline             | 9.98  | 138  | 14051    | 8.058  | ng    | # 48   |
| 53) 2,4-Dinitrophenol          | 10.09 | 184  | 1268     | 10.001 | ng    | # 1    |
| 55) 4-Nitrophenol              | 10.13 | 139  | 37485    | 19.577 | ng    | # 29   |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 7965     | 8.366  | ng    | # 71   |
| 57) Fluorene                   | 10.58 | 166  | 82846    | 7.114  | ng    | # 82   |
| 61) 4-Nitroaniline             | 10.49 | 138  | 18219    | 9.475  | ng    | # 91   |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 1966     | 12.407 | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.69 | 169  | 158244   | 34.830 | ng    | # 49   |
| 68) Atrazine                   | 11.22 | 200  | 15782    | 11.229 | ng    | # 69   |
| 70) Phenanthrene               | 11.55 | 178  | 114760   | 15.717 | ng    | # 91   |
| 71) Anthracene                 | 11.60 | 178  | 19204    | 2.590  | ng    | # 44   |
| 72) Carbazole                  | 11.80 | 167  | 41387    | 5.742  | ng    | # 1    |
| 73) Di-n-butylphthalate        | 12.08 | 149  | 31281    | 3.617  | ng    | # 1    |
| 74) Fluoranthene               | 12.76 | 202  | 36242    | 4.818  | ng    | # 1    |
| 77) Pyrene                     | 12.99 | 202  | 48102    | 9.979  | ng    | # 1    |
| 83) Bis(2-ethylhexyl)phthalate | 14.16 | 149  | 16054    | 5.262  | ng    | # 2    |

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



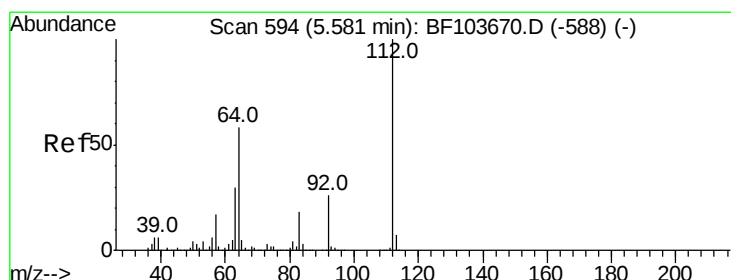
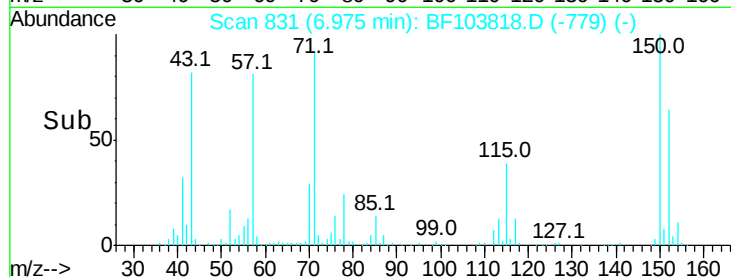
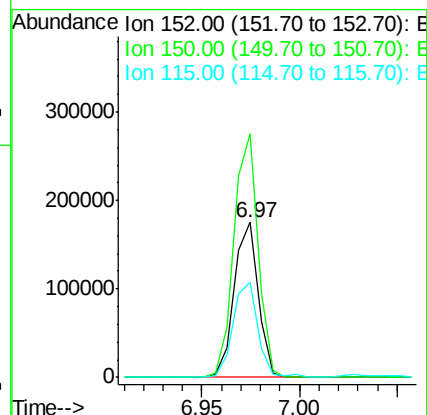
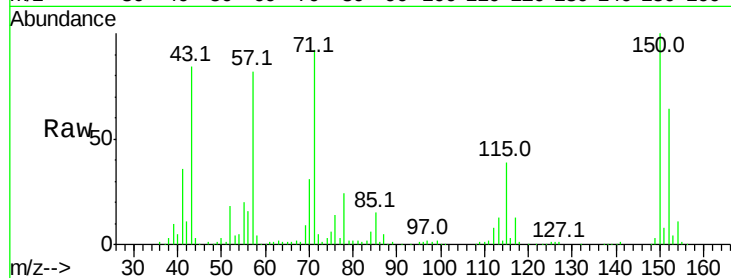


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.01 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :

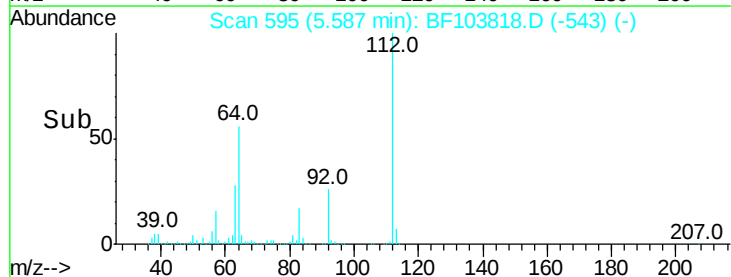
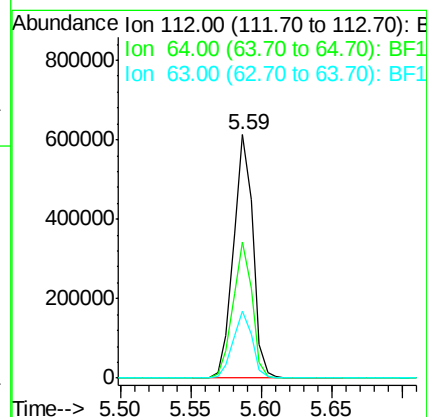
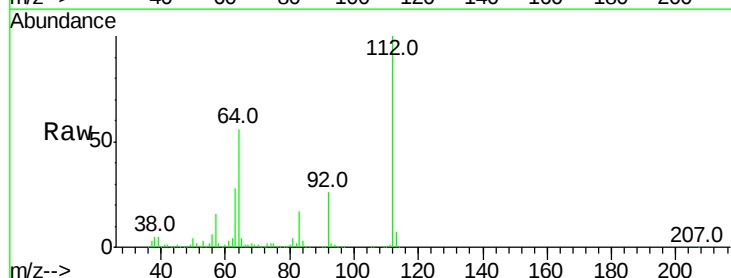
Tot Ion:152 Resp: 150707  
Ion Ratio Lower Upper  
152 100  
150 157.3 124.6 186.8  
115 61.2 50.1 75.1

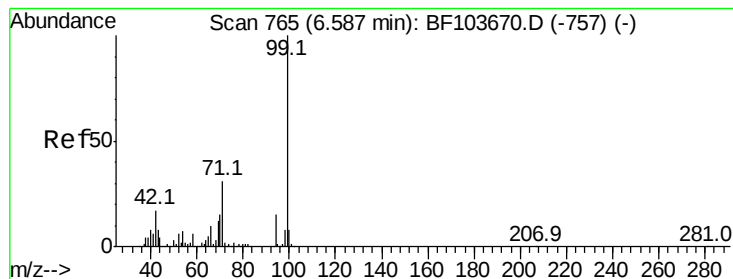


#5

2-Fluorophenol  
Concen: 59.041 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.01 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:112 Resp: 585005  
Ion Ratio Lower Upper  
112 100  
64 56.1 47.9 71.9  
63 27.7 23.7 35.5





#7

Phenol-d6

Concen: 37.424 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

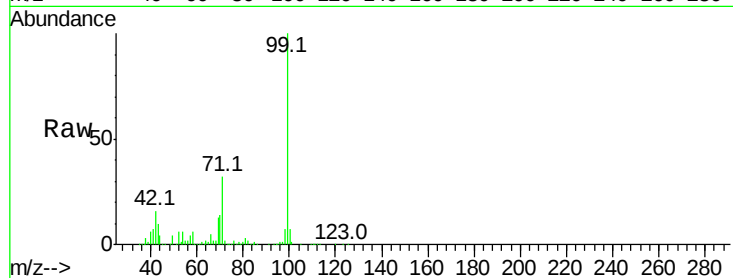
Tot Ion: 99 Resp: 453669

Ion Ratio Lower Upper

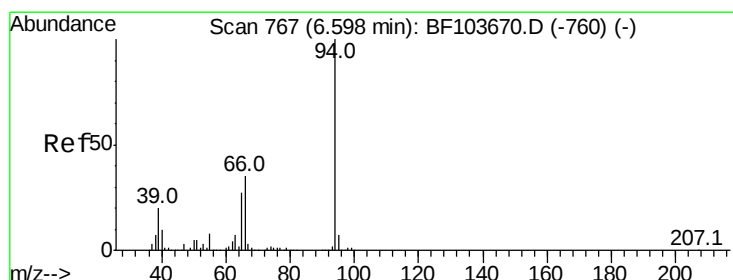
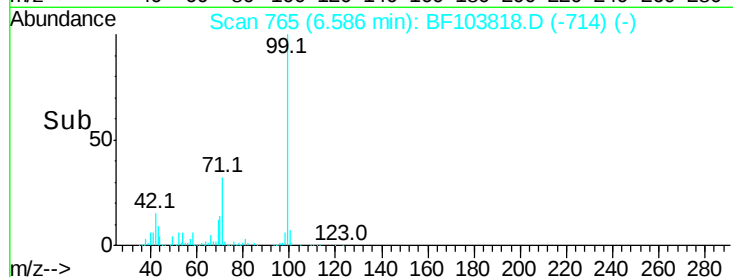
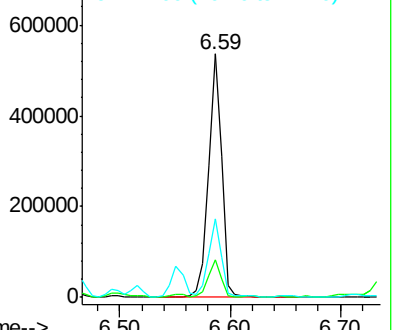
99 100

42 15.6 14.5 21.7

71 32.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.476 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

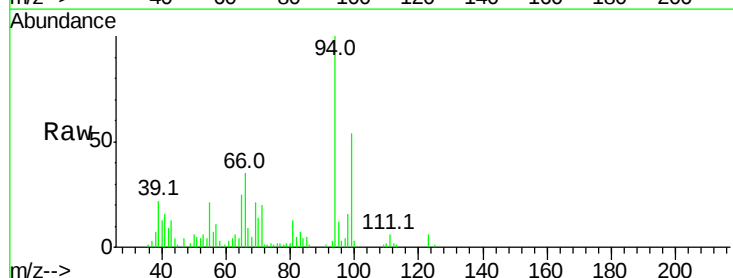
Tgt Ion: 94 Resp: 31894

Ion Ratio Lower Upper

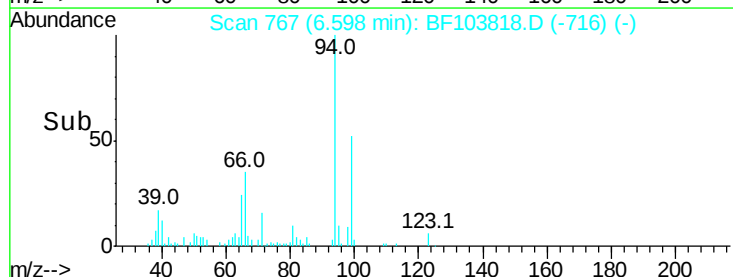
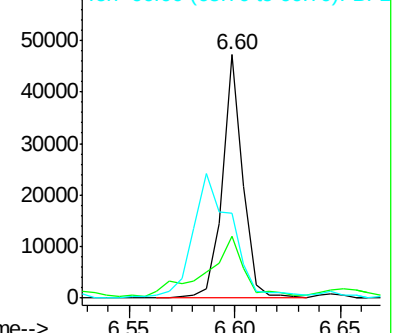
94 100

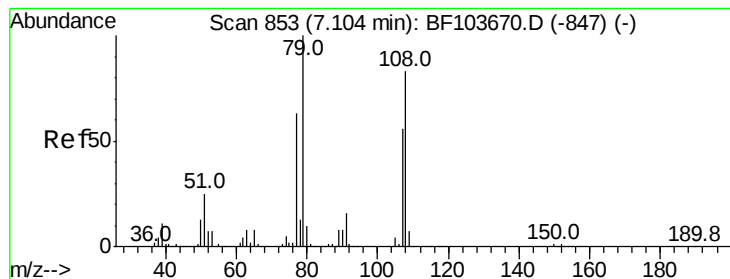
65 25.2 7.9 47.9

66 35.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.064 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.03 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

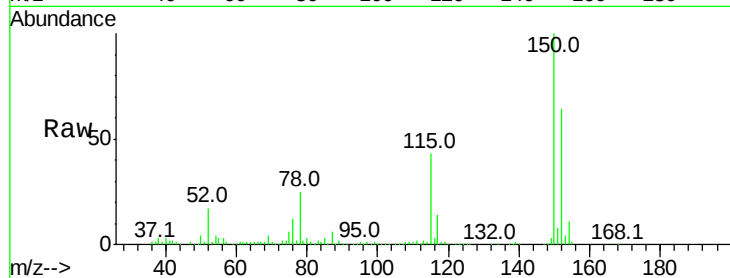
Tot Ion: 79 Resp: 19382

Ion Ratio Lower Upper

79 100

108 30.7 65.1 97.7#

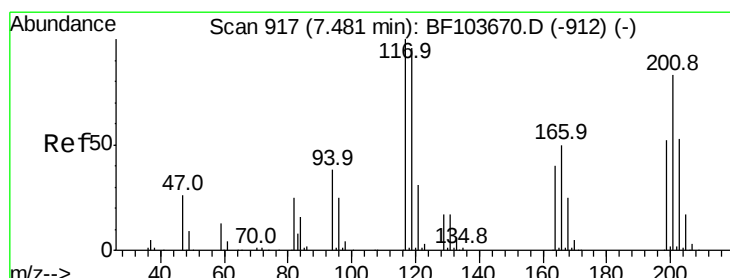
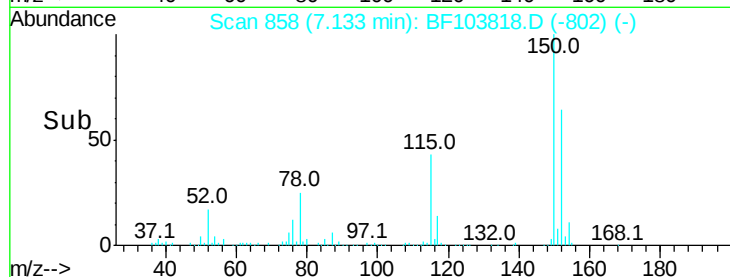
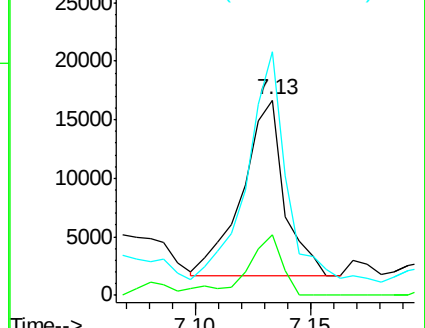
77 124.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 21.633 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

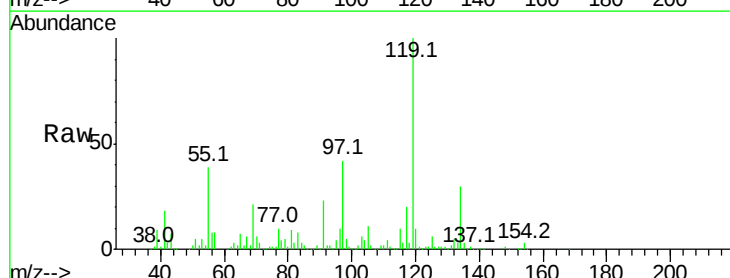
Tgt Ion: 117 Resp: 90398

Ion Ratio Lower Upper

117 100

119 506.0 75.8 113.8#

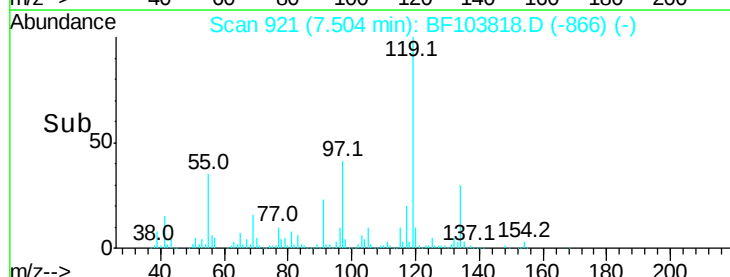
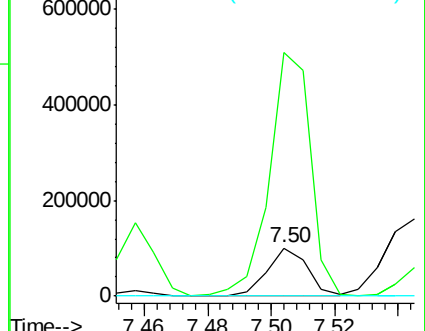
201 0.0 75.7 113.5#

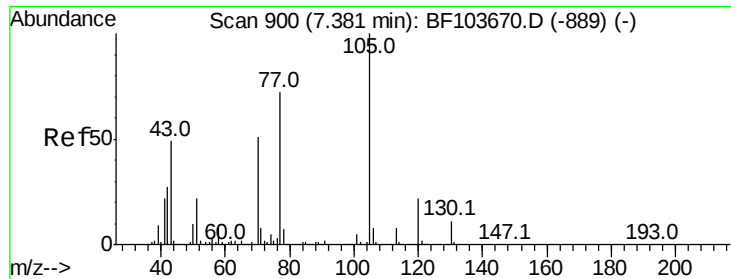


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

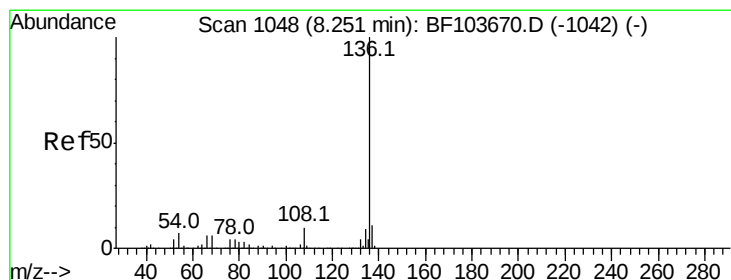
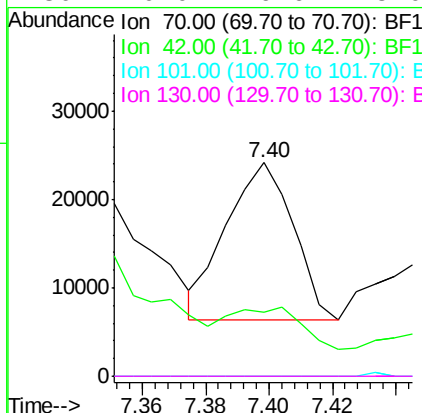
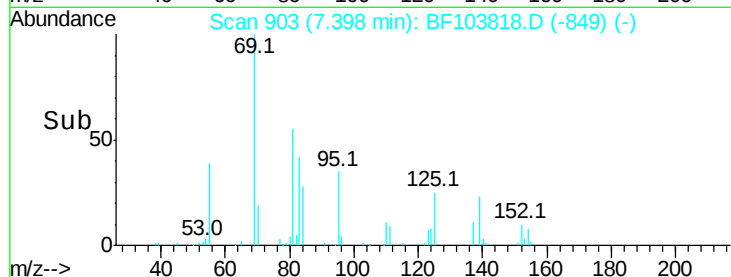
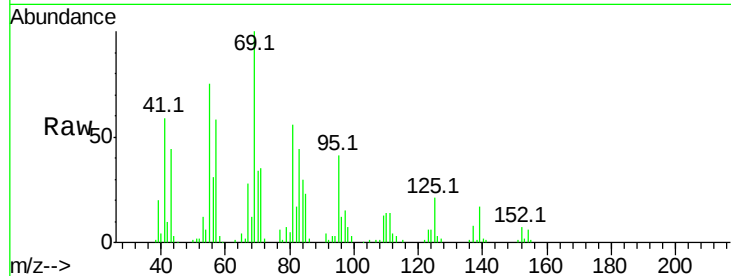




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.344 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.02 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

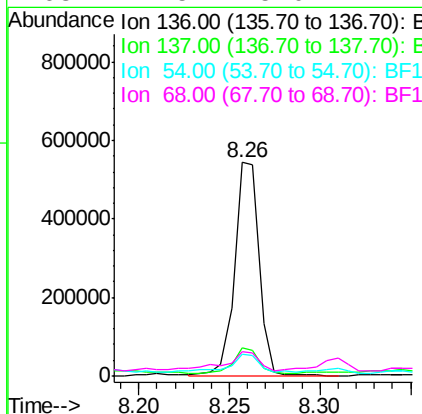
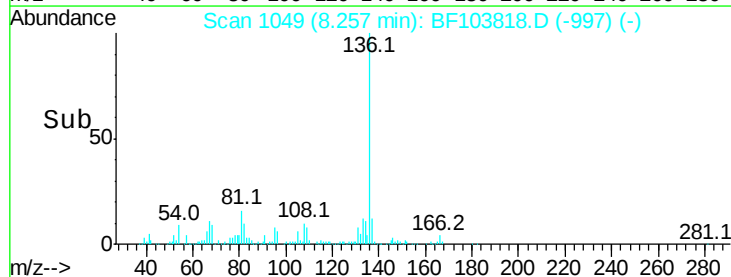
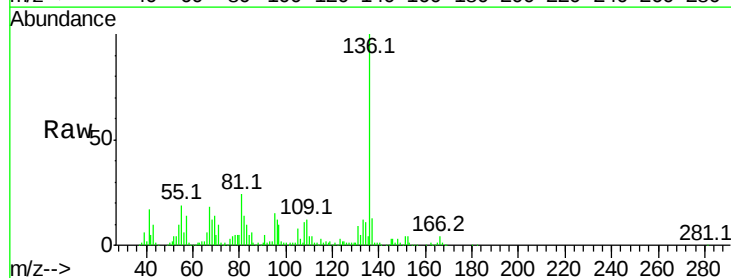
Instrument :  
BNA\_F  
ClientSampleId :

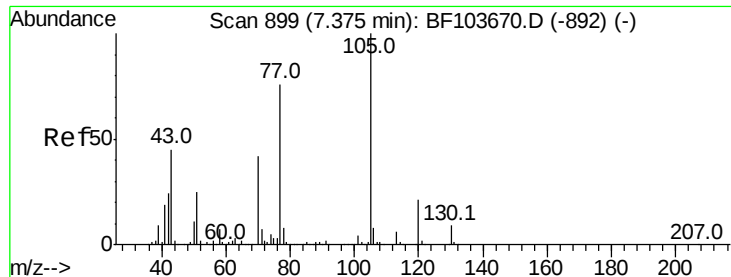
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Ion Ratio Lower Upper  
70 100  
42 29.9 47.5 71.3#  
101 0.0 7.4 11.2#  
130 0.0 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. 0.01 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:136 Resp: 508870  
Ion Ratio Lower Upper  
136 100  
137 13.0 8.9 13.3  
54 10.2 6.6 9.8#  
68 11.5 5.0 7.4#

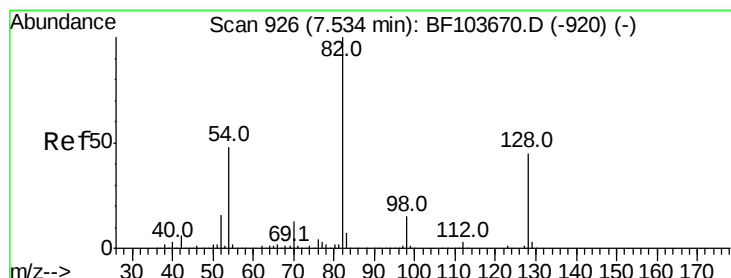
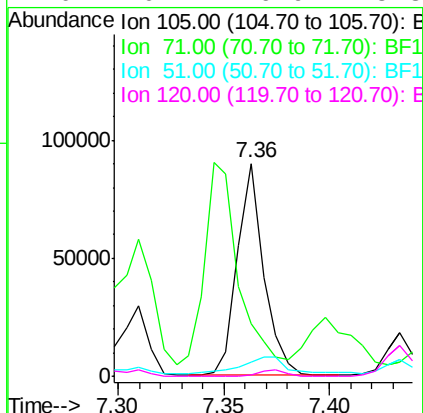
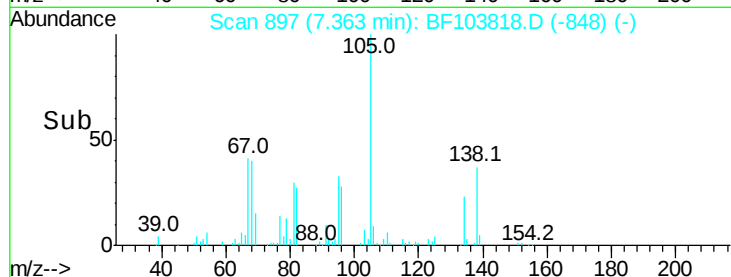
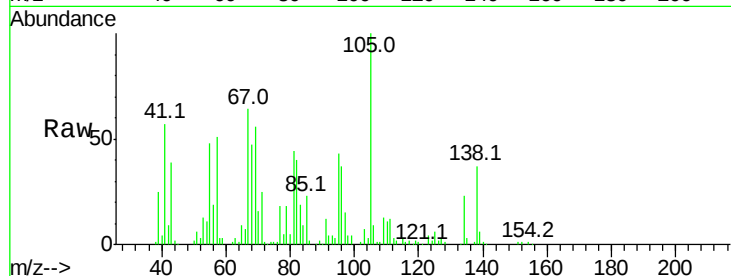




#22  
Acetophenone  
Concen: 5.932 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

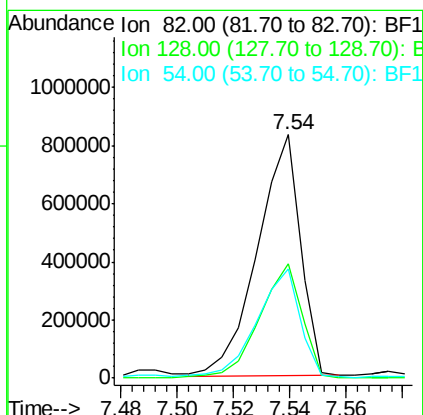
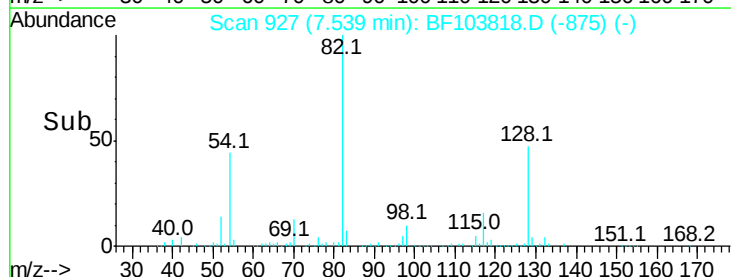
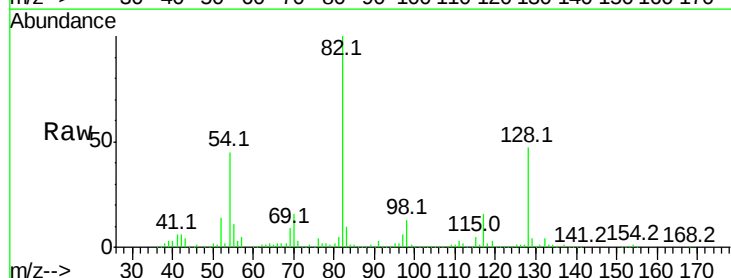
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BNA\_F  
ClientSampleId :

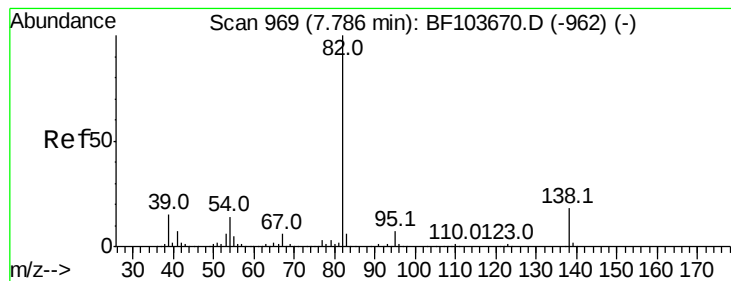
Tot Ion:105 Resp: 77576  
Ion Ratio Lower Upper  
105 100  
71 24.5 4.4 6.6#  
51 6.5 22.3 33.5#  
120 0.7 16.9 25.3#



#23  
Nitrobenzene-d5  
Concen: 120.217 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.01 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion: 82 Resp: 877233  
Ion Ratio Lower Upper  
82 100  
128 46.9 36.1 54.1  
54 44.7 41.4 62.2





#25

Isophorone

Concen: 5.395 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

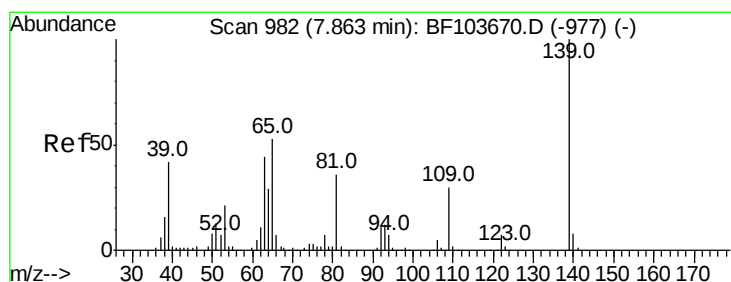
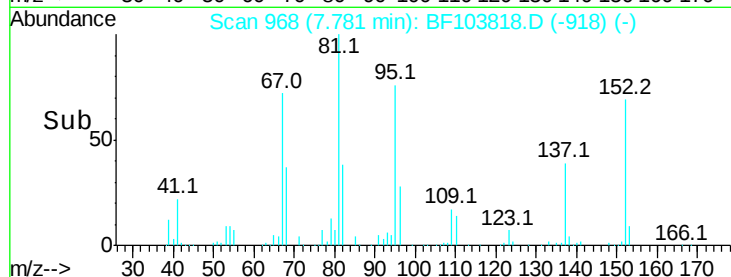
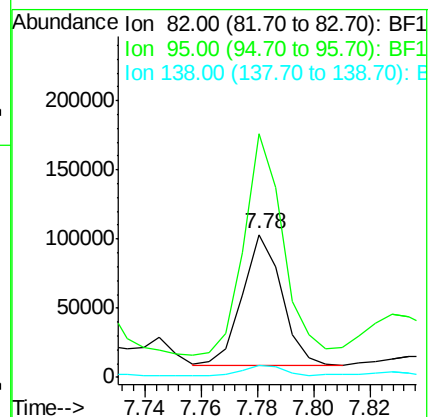
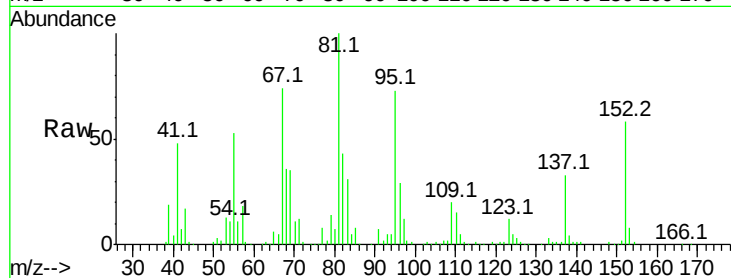
Tot Ion: 82 Resp: 91141

Ion Ratio Lower Upper

82 100

95 170.8 5.2 7.8#

138 8.8 14.9 22.3#



#26

2-Nitrophenol

Concen: 11.259 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

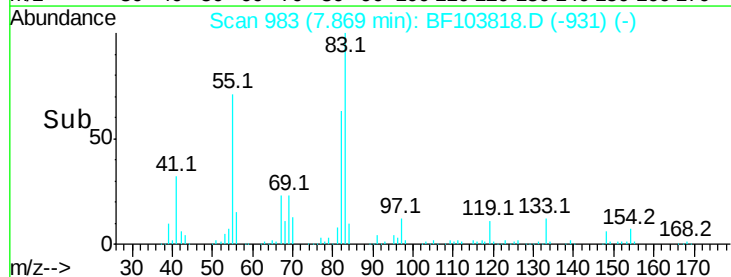
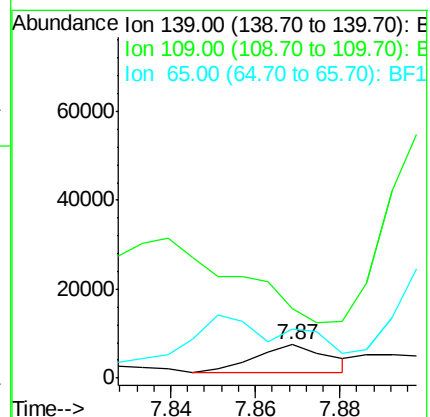
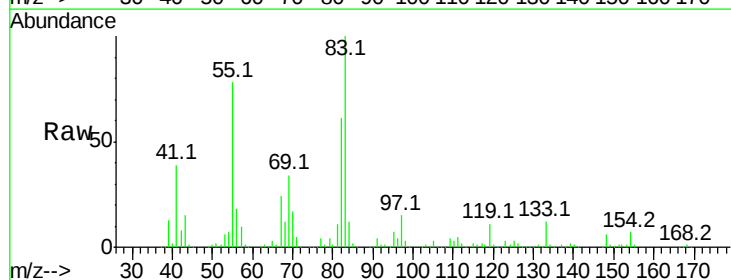
Tgt Ion: 139 Resp: 7357

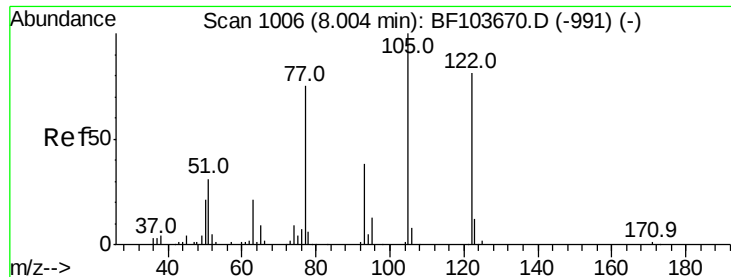
Ion Ratio Lower Upper

139 100

109 208.1 22.7 34.1#

65 145.9 40.5 60.7#





#32

Benzoic acid

Concen: 11.077 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.04 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

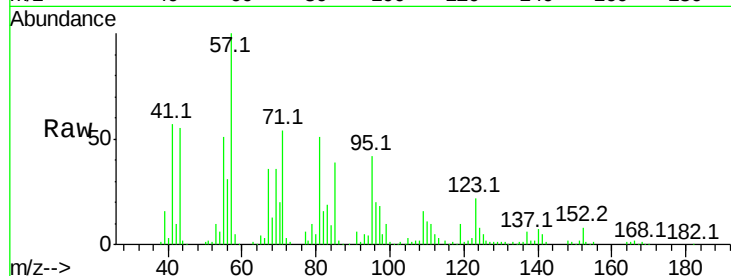
Tot Ion:122 Resp: 7537

Ion Ratio Lower Upper

122 100

105 95.4 101.1 141.1#

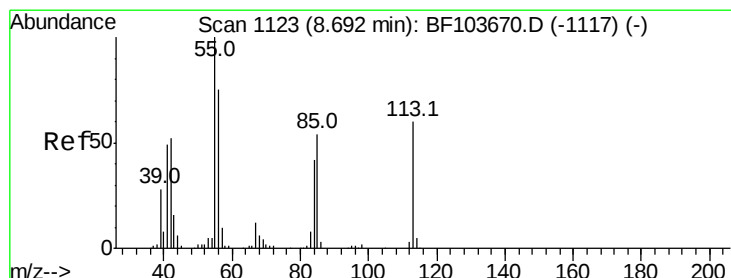
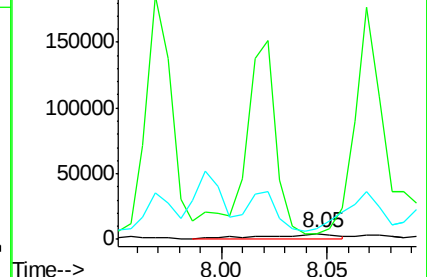
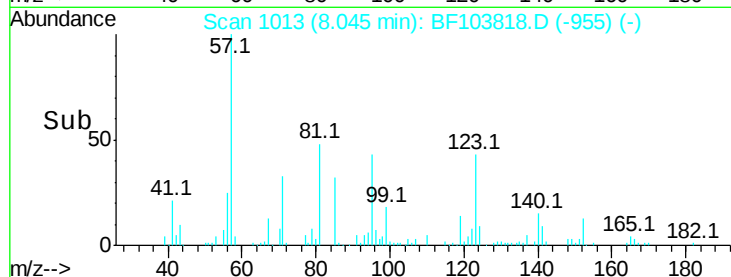
77 189.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 5.343 ng

RT: 8.71 min Scan# 1126

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

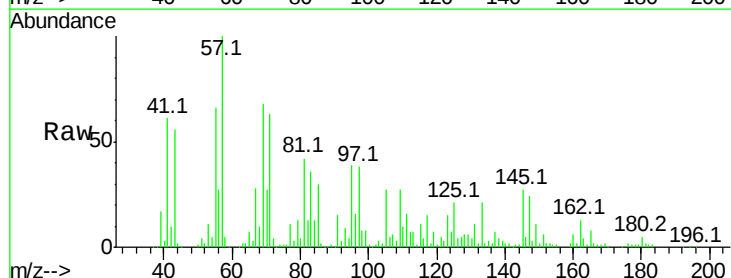
Tgt Ion:113 Resp: 12113

Ion Ratio Lower Upper

113 100

55 941.1 163.3 203.3#

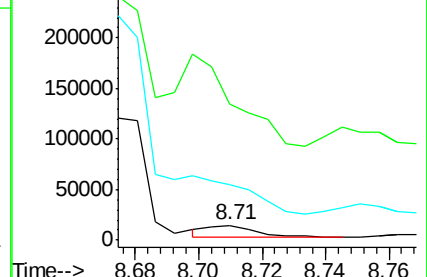
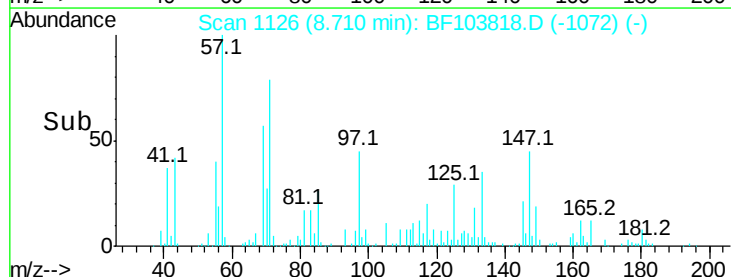
56 386.7 115.7 155.7#

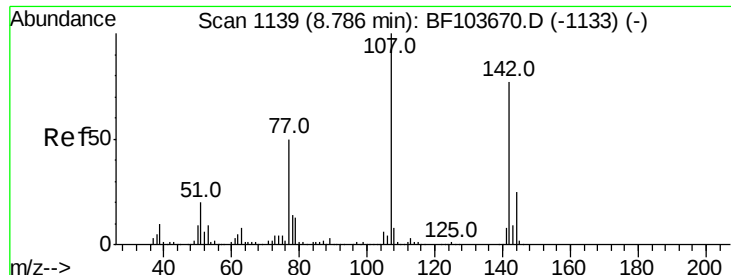


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

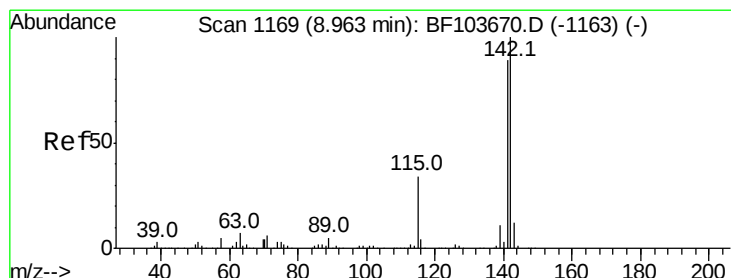
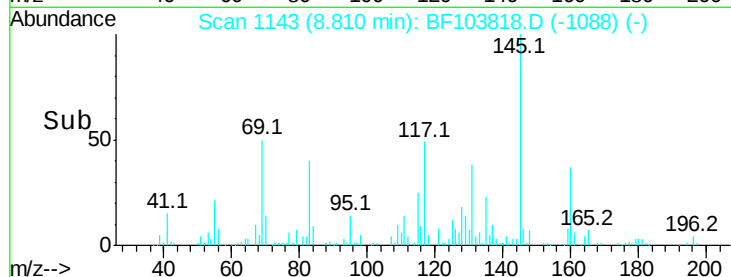
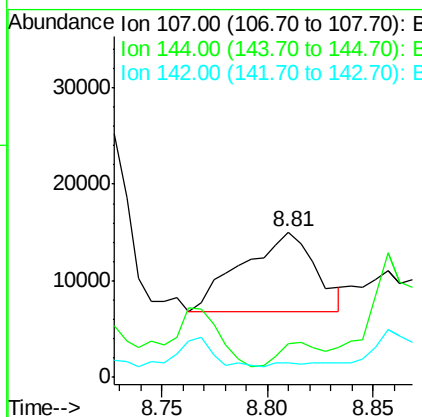
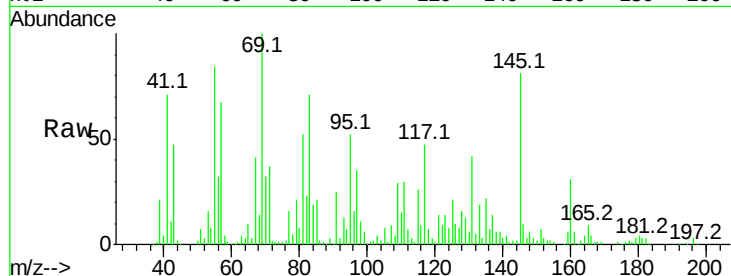




#36  
4-Chloro-3-methylphenol  
Concen: 2.730 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. 0.02 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

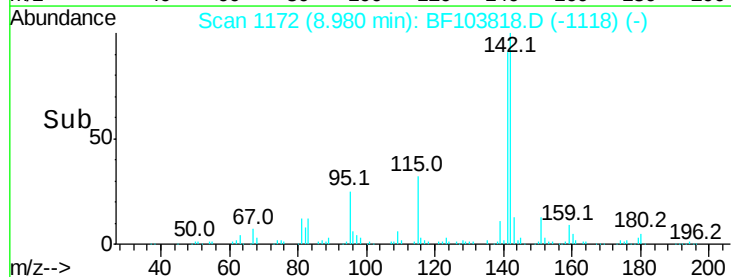
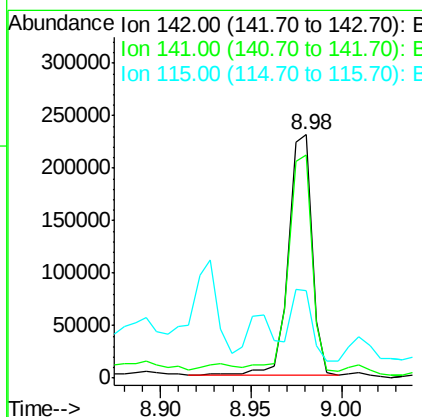
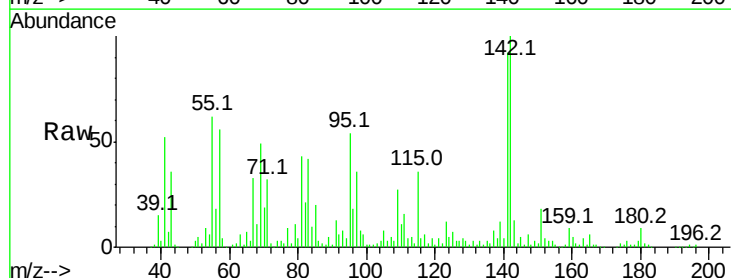
Instrument :  
BNA\_F  
ClientSampleId :

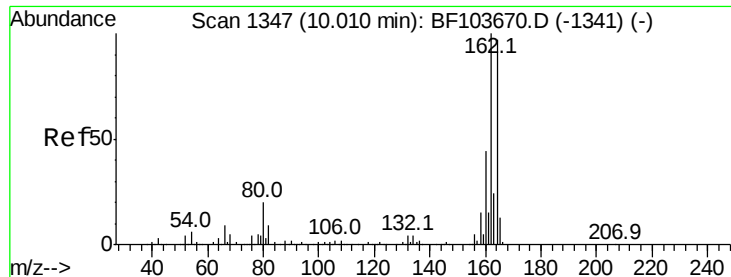
Tot Ion:107 Resp: 19812  
Ion Ratio Lower Upper  
107 100  
144 23.3 20.5 30.7  
142 10.0 62.0 93.0#



#37  
2-Methylnaphthalene  
Concen: 12.937 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. 0.02 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:142 Resp: 210897  
Ion Ratio Lower Upper  
142 100  
141 91.5 70.8 106.2  
115 35.8 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

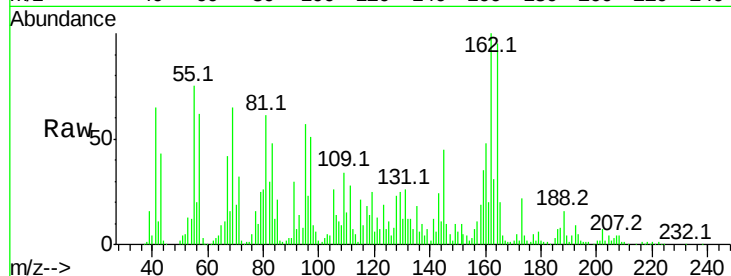
Tot Ion:164 Resp: 172304

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

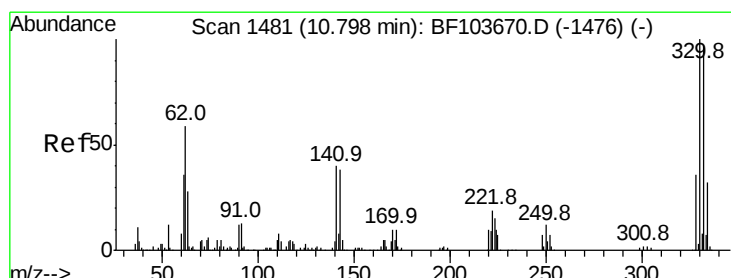
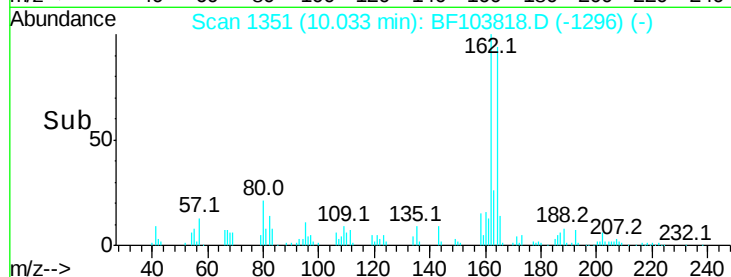
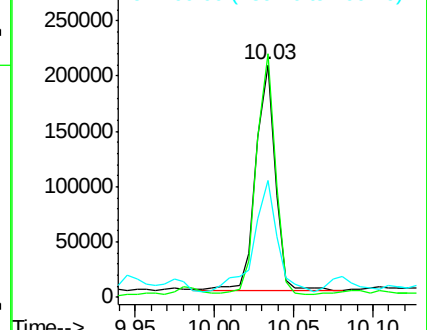
160 50.6 38.3 57.5



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: 156.036 ng

RT: 10.83 min Scan# 1486

Delta R.T. 0.03 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

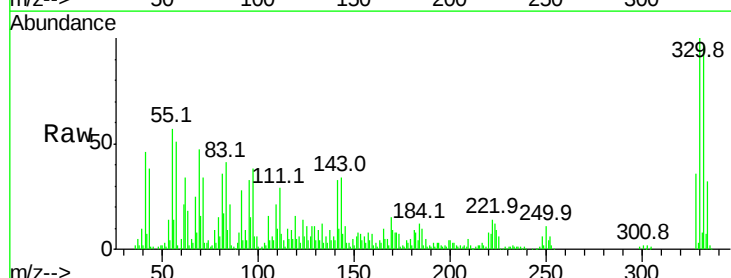
Tgt Ion:330 Resp: 231165

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

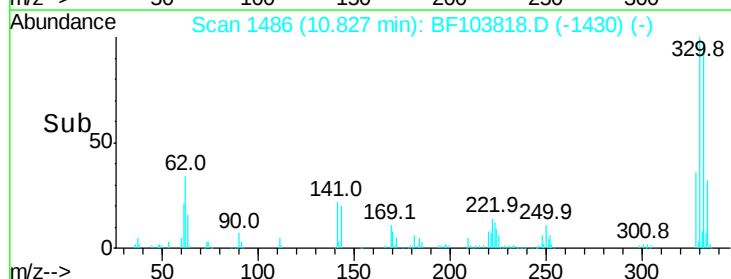
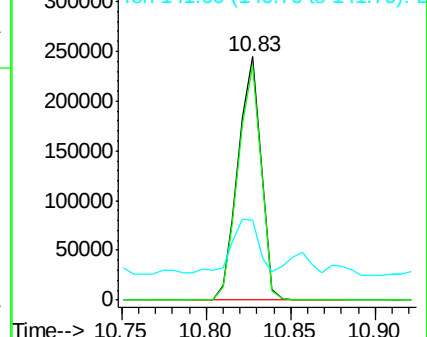
141 25.5 29.9 44.9#

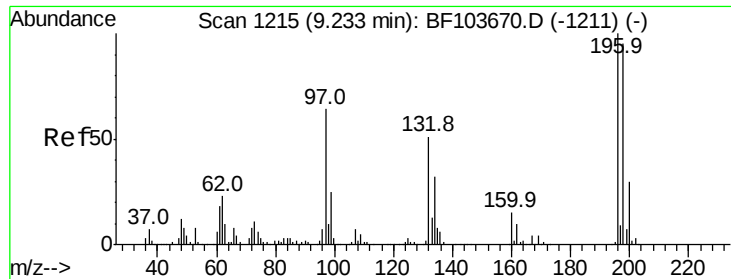


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 2.927 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

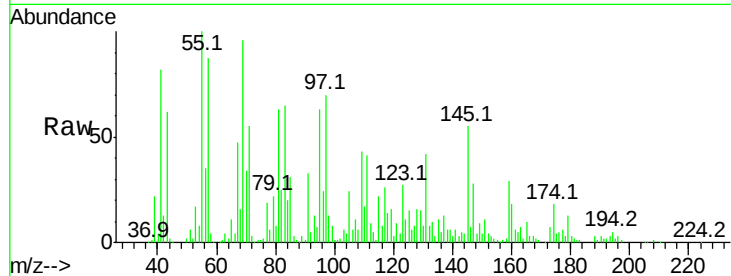
Tot Ion:196 Resp: 9204

Ion Ratio Lower Upper

196 100

198 0.0 75.7 113.5#

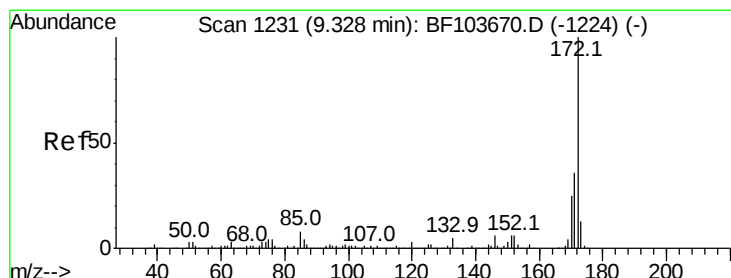
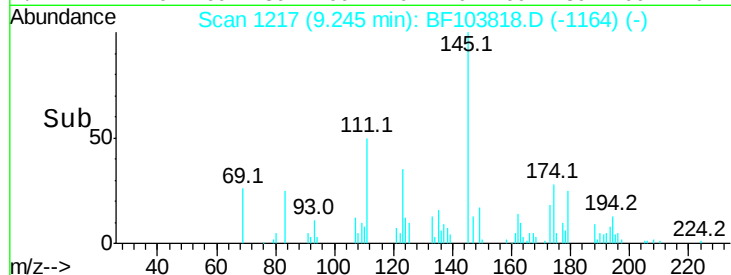
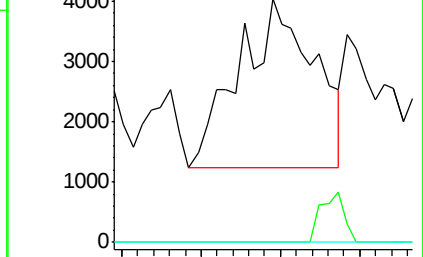
200 0.0 24.5 36.7#



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



#44

2-Fluorobiphenyl

Concen: 105.472 ng

RT: 9.34 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

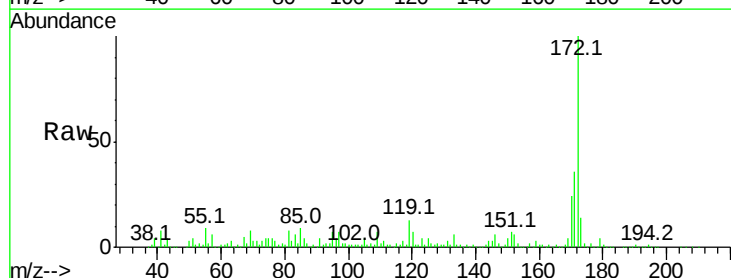
Tgt Ion:172 Resp: 1139284

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

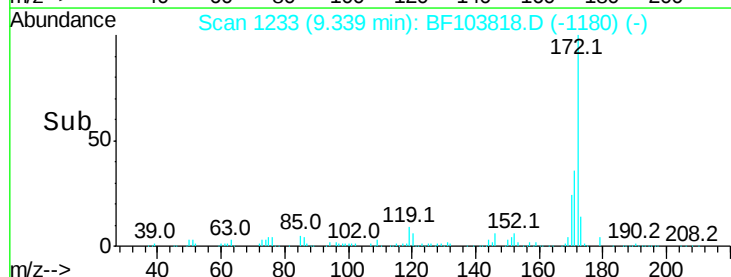
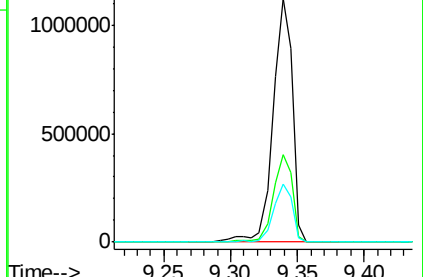
170 23.8 19.6 29.4

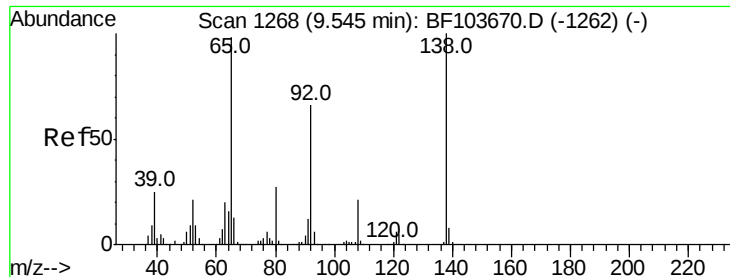


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 9.270 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.04 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

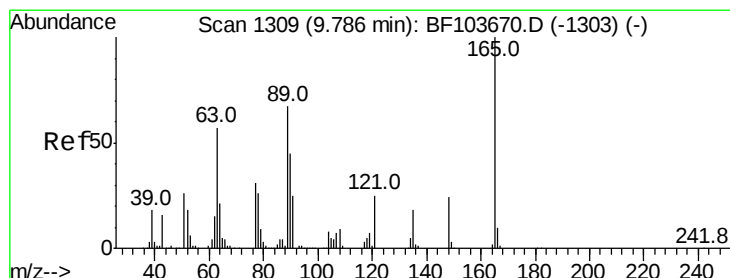
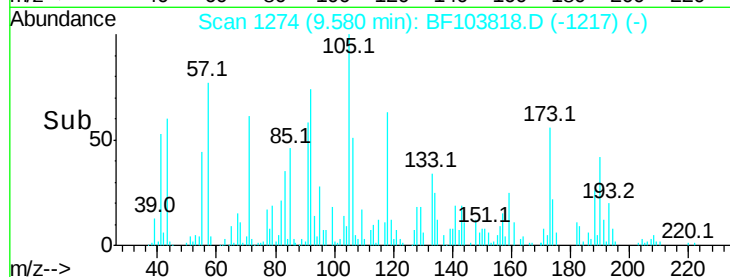
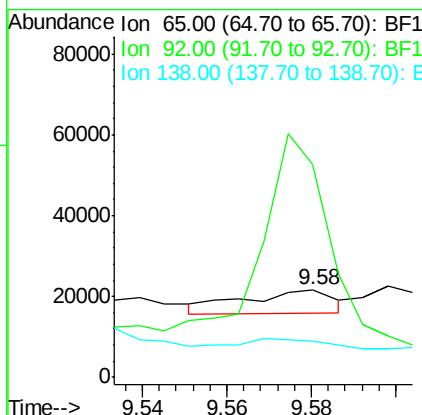
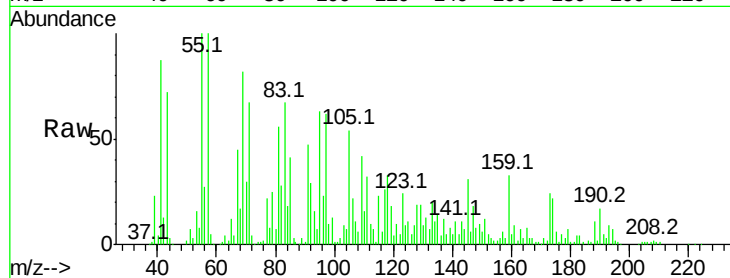
Tot Ion: 65 Resp: 8544

Ion Ratio Lower Upper

65 100

92 243.3 55.8 83.6#

138 40.9 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 10.402 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

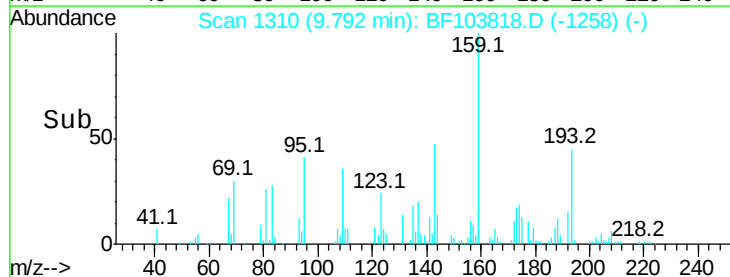
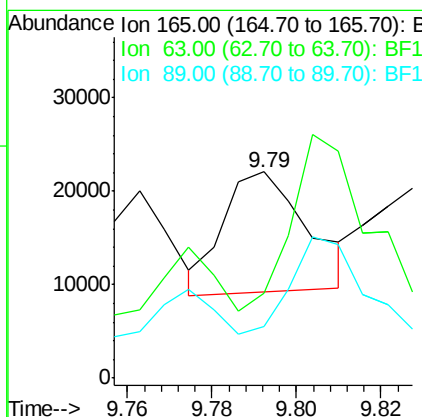
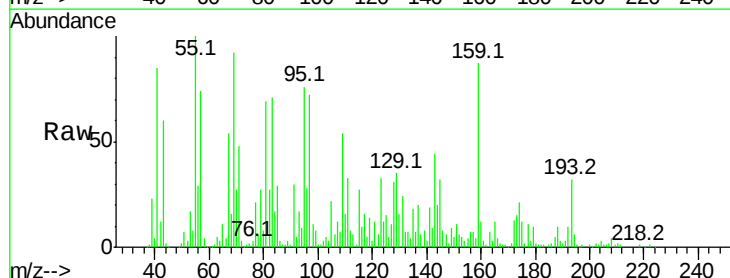
Tgt Ion: 165 Resp: 17800

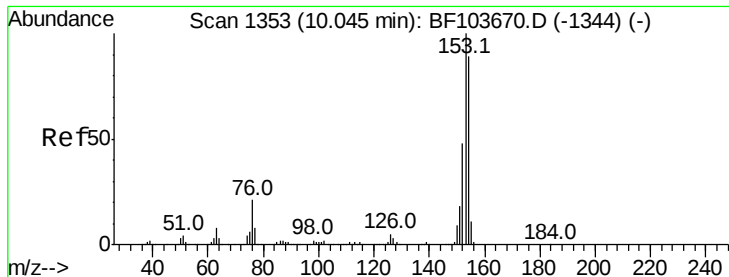
Ion Ratio Lower Upper

165 100

63 41.0 44.7 67.1#

89 24.8 44.0 66.0#





#51

Acenaphthene

Concen: 4.235 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

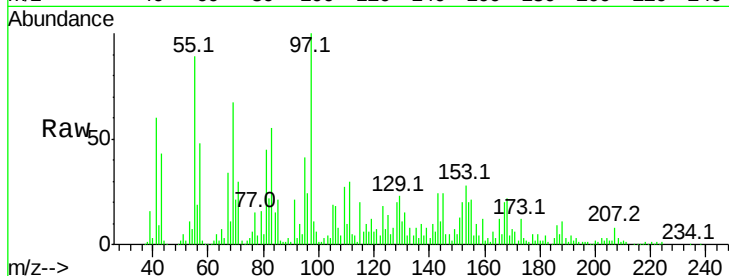
Tot Ion:154 Resp: 44496

Ion Ratio Lower Upper

154 100

153 139.0 91.2 136.8#

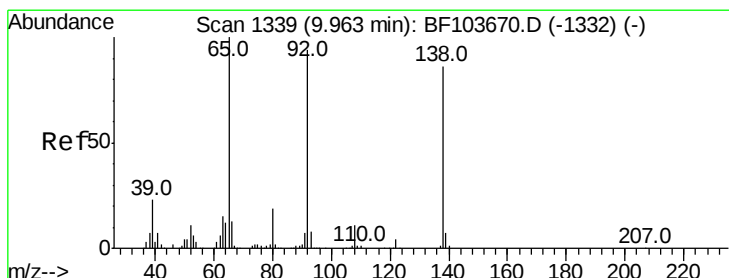
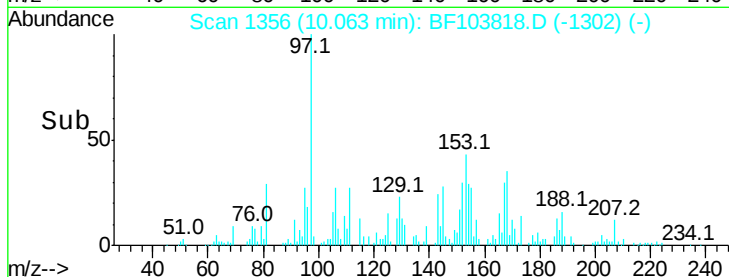
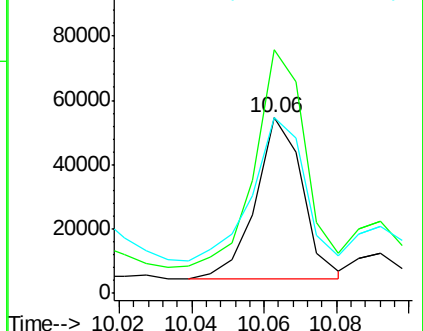
152 100.4 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 8.058 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

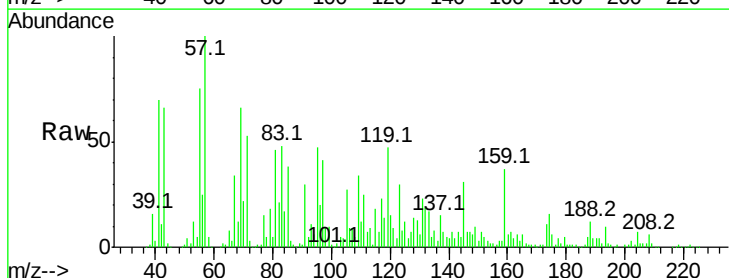
Tgt Ion:138 Resp: 14051

Ion Ratio Lower Upper

138 100

108 72.0 9.4 14.0#

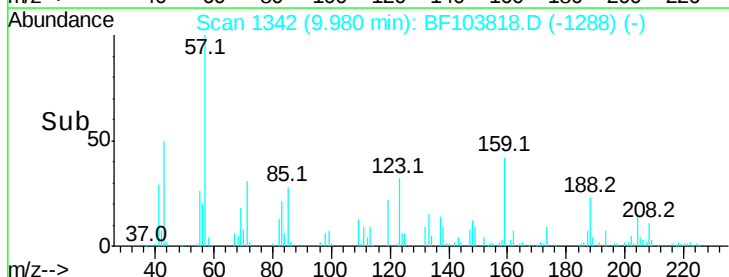
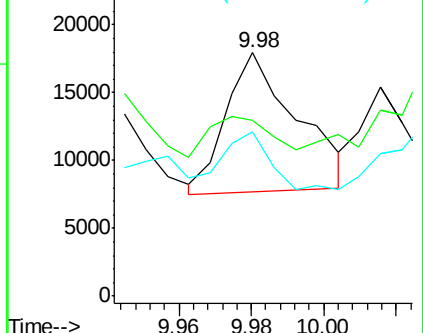
92 67.6 89.4 134.2#

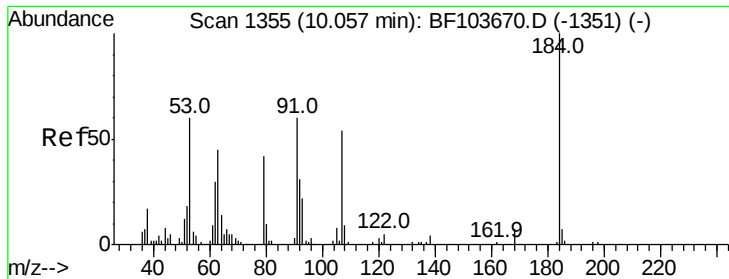


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

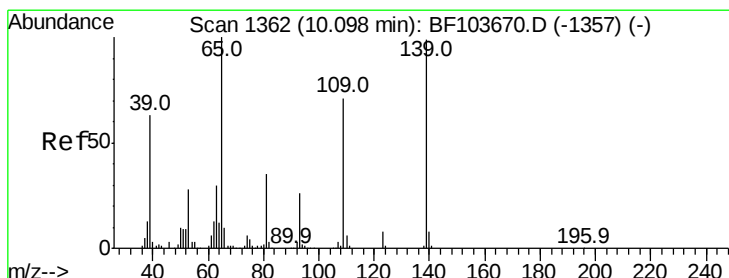
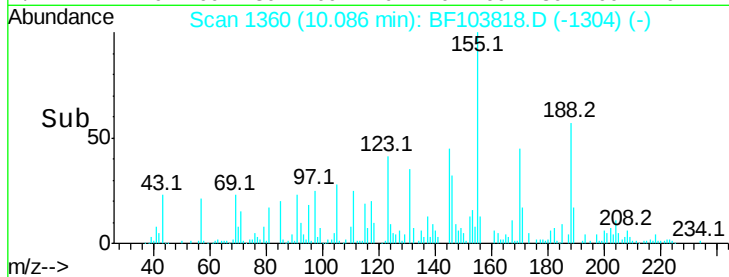
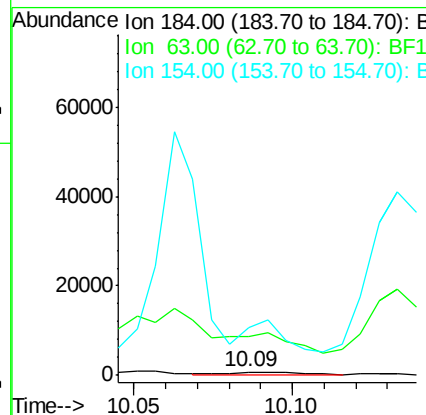
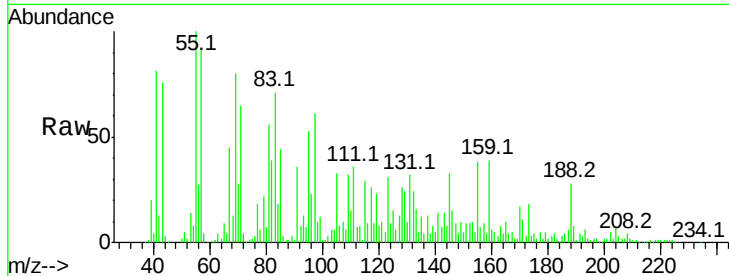




#53  
 2,4-Dinitrophenol  
 Concen: 10.001 ng  
 RT: 10.09 min Scan# 1360  
 Delta R.T. 0.03 min  
 Lab File: BF103818.D  
 Acq: 20 Mar 2018 22:21

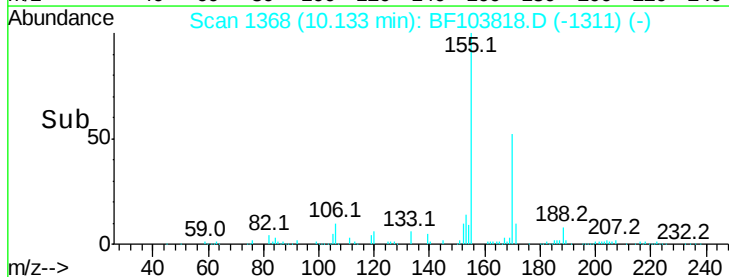
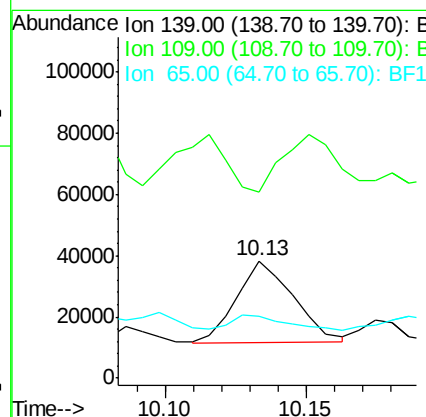
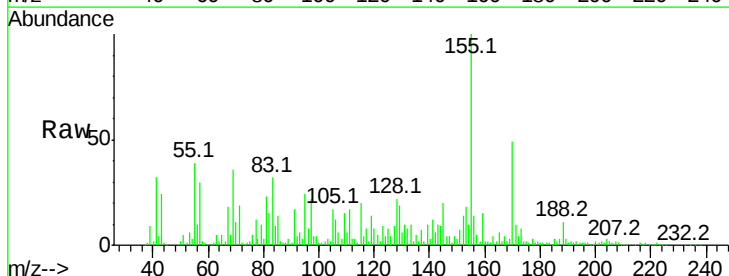
Instrument :  
 BNA\_F  
 ClientSampleID :

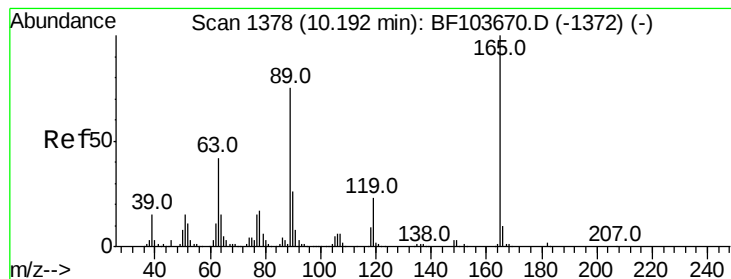
Tot Ion:184 Resp: 1268  
 Ion Ratio Lower Upper  
 184 100  
 63 1184.9 54.2 81.2#  
 154 1476.1 184.0 276.0#



#55  
 4-Nitrophenol  
 Concen: 19.577 ng  
 RT: 10.13 min Scan# 1368  
 Delta R.T. 0.04 min  
 Lab File: BF103818.D  
 Acq: 20 Mar 2018 22:21

Tgt Ion:139 Resp: 37485  
 Ion Ratio Lower Upper  
 139 100  
 109 158.8 48.4 88.4#  
 65 52.5 72.6 112.6#





#56

2,4-Dinitrotoluene

Concen: 8.366 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 7965

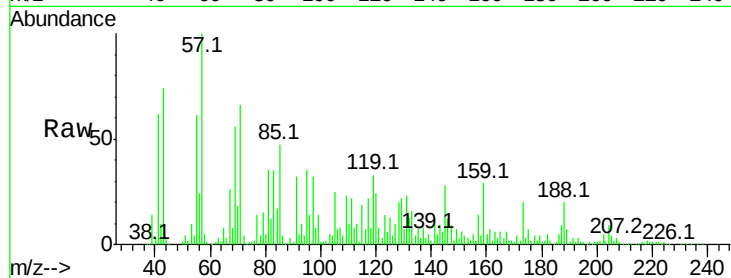
Ion Ratio Lower Upper

165 100

63 43.3 36.4 54.6

89 38.5 57.8 86.6#

182 75.9 1.6 2.4#

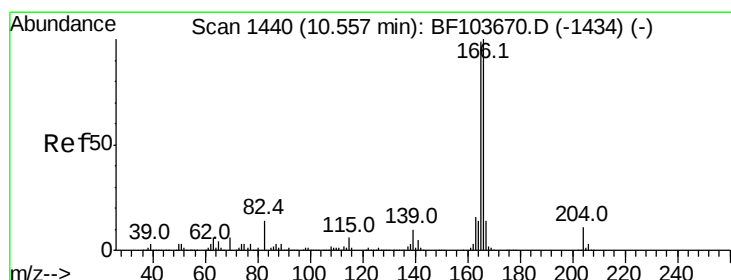
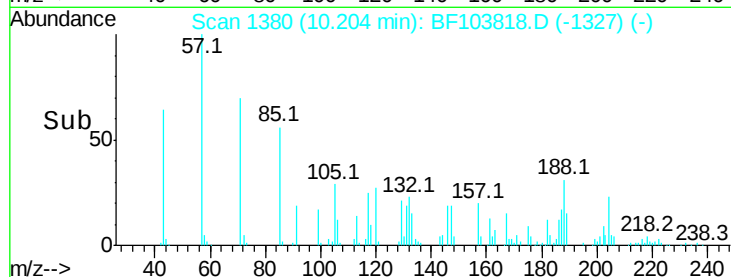
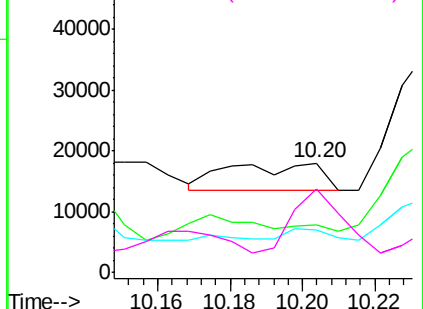


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 7.114 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

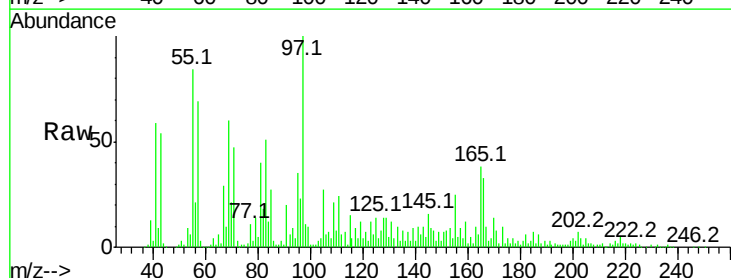
Tgt Ion:166 Resp: 82846

Ion Ratio Lower Upper

166 100

165 115.5 79.8 119.8

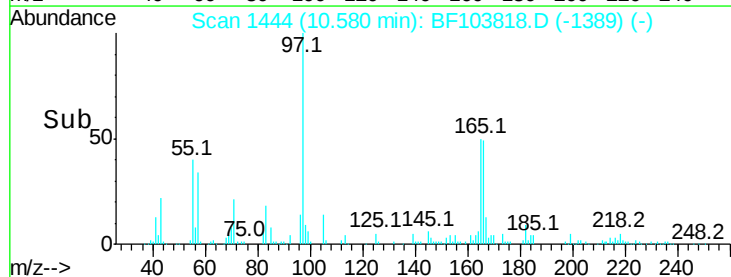
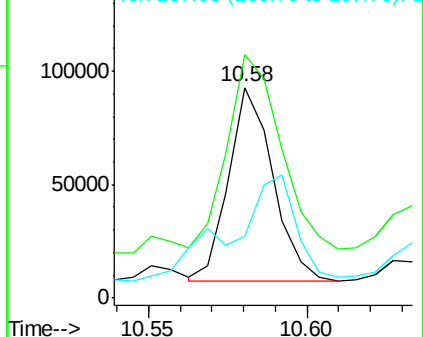
167 29.2 10.6 16.0#

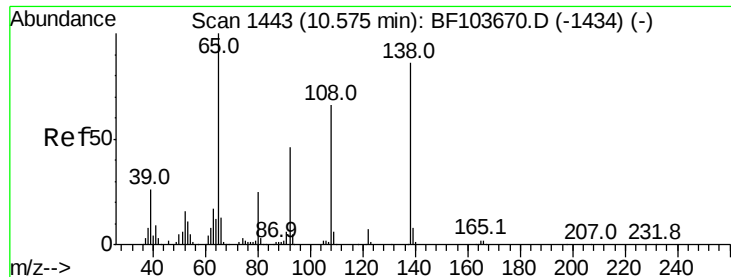


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

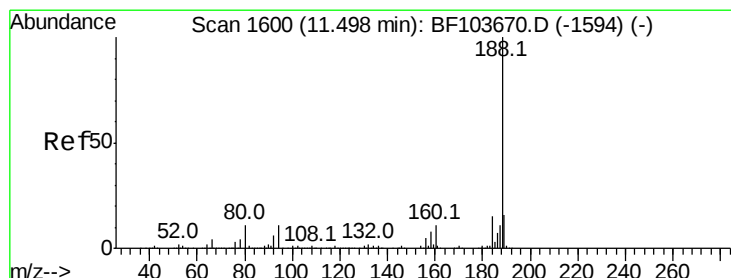
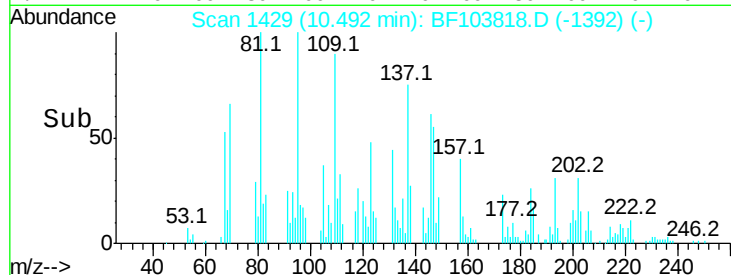
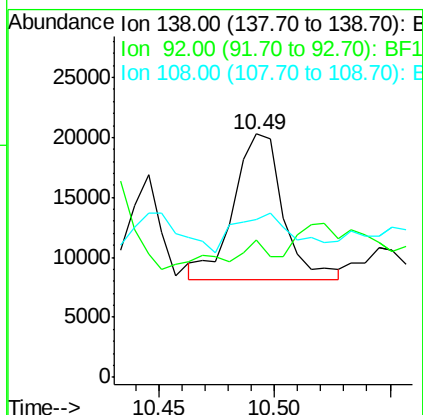
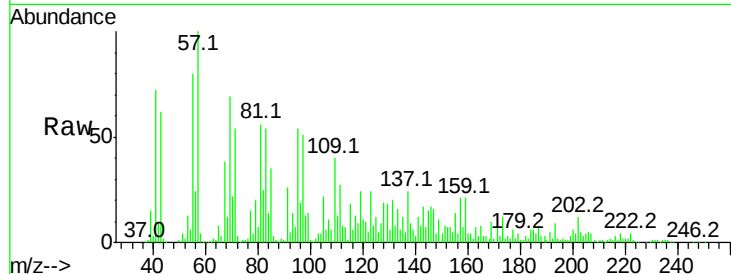




#61  
4-Nitroaniline  
Concen: 9.475 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. -0.08 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

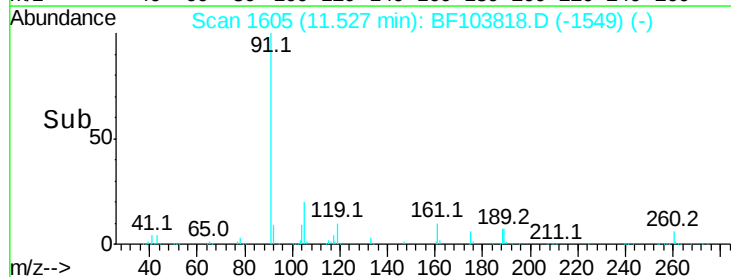
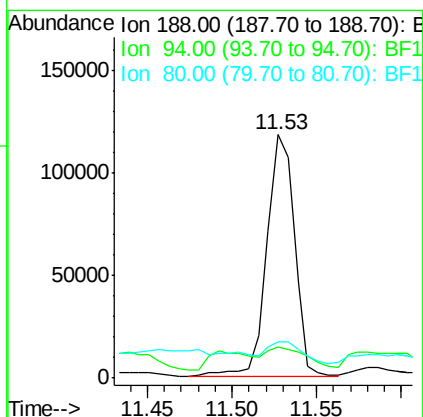
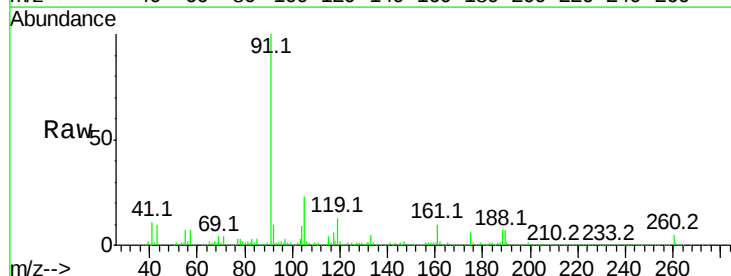
Instrument :  
BNA\_F  
ClientSampleId :

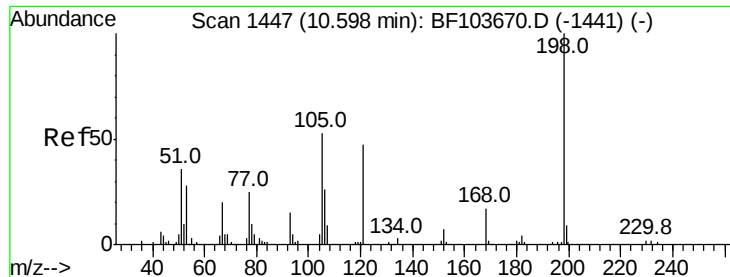
Tot Ion:138 Resp: 18219  
Ion Ratio Lower Upper  
138 100  
92 56.4 30.2 70.2  
108 64.7 52.5 92.5



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.53 min Scan# 1605  
Delta R.T. 0.03 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:188 Resp: 133476  
Ion Ratio Lower Upper  
188 100  
94 12.7 8.5 12.7  
80 15.1 9.2 13.8#

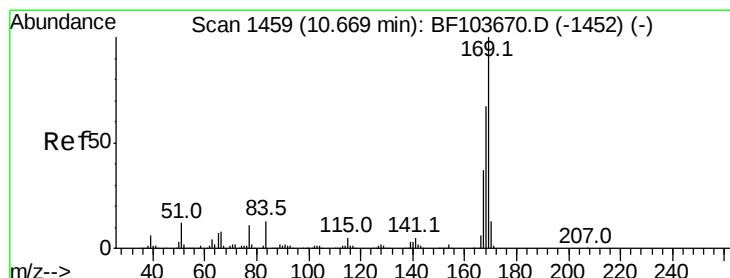
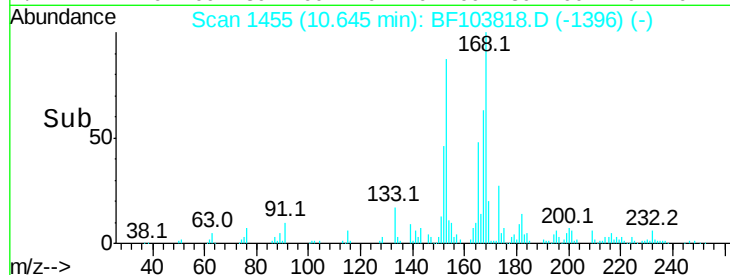
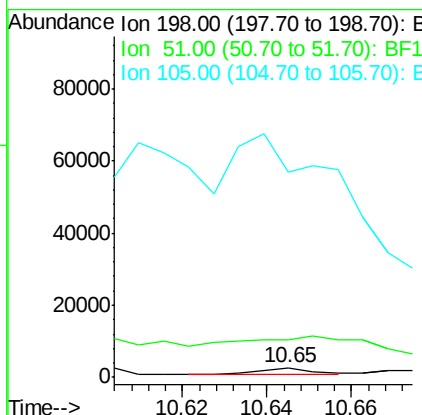
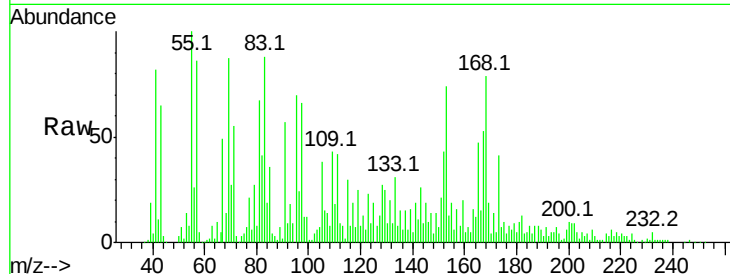




#64  
4,6-Dinitro-2-methylphenol  
Concen: 12.407 ng  
RT: 10.65 min Scan# 1455  
Delta R.T. 0.05 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

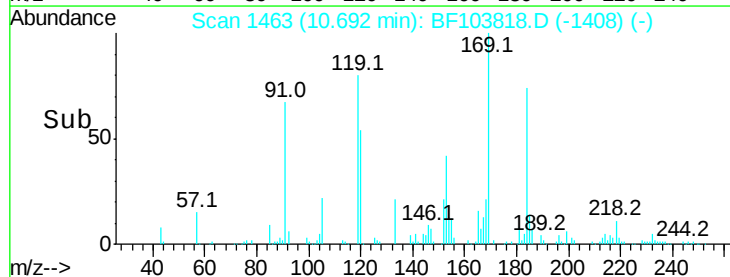
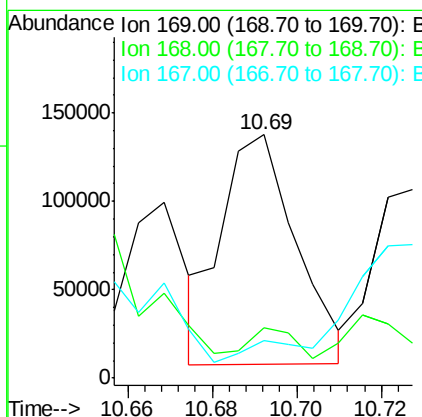
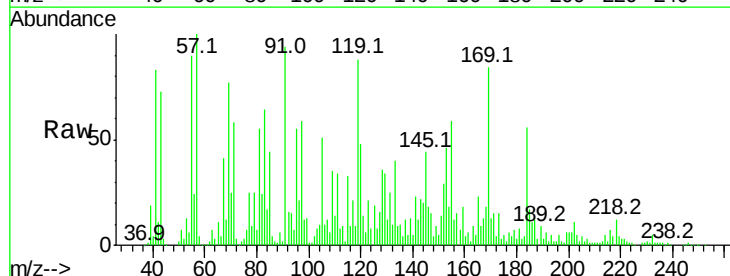
Instrument :  
BNA\_F  
ClientSampleId :

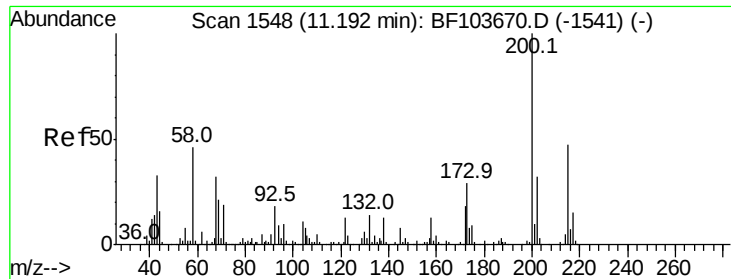
Tot Ion:198 Resp: 1966  
Ion Ratio Lower Upper  
198 100  
51 375.2 37.7 77.7#  
105 2065.8 36.3 76.3#



#65  
n-Nitrosodiphenylamine  
Concen: 34.830 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. 0.02 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:169 Resp: 158244  
Ion Ratio Lower Upper  
169 100  
168 20.8 54.4 81.6#  
167 15.5 29.8 44.6#





#68

Atrazine

Concen: 11.229 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

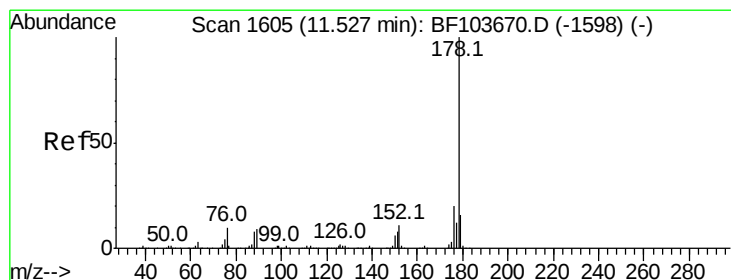
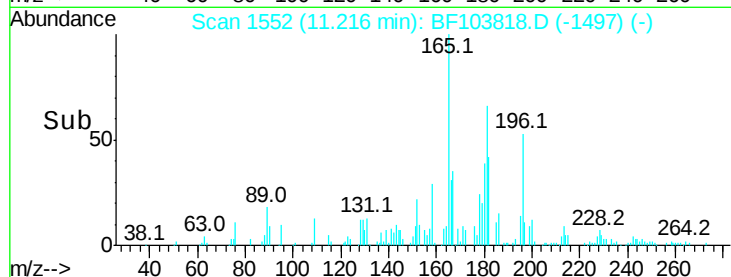
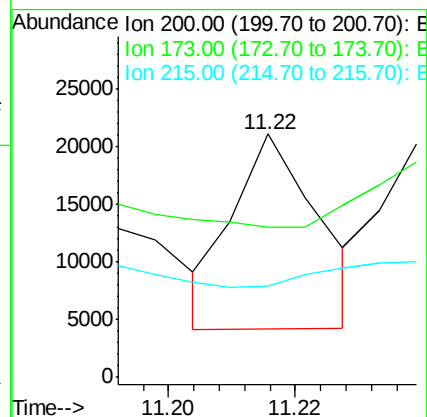
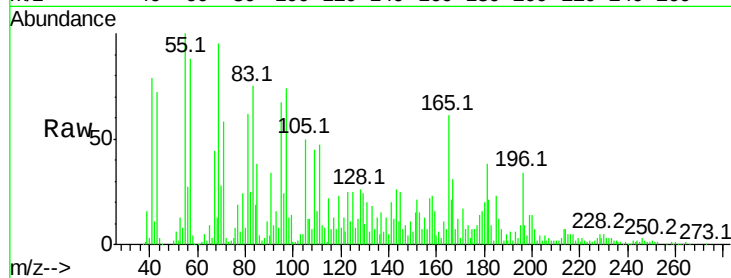
Tot Ion:200 Resp: 15782

Ion Ratio Lower Upper

200 100

173 61.9 8.6 48.6#

215 37.8 25.1 65.1



#70

Phenanthrene

Concen: 15.717 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

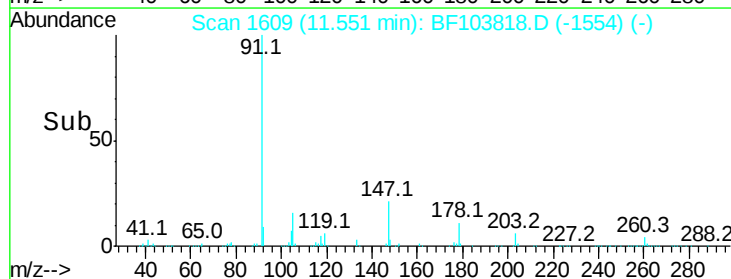
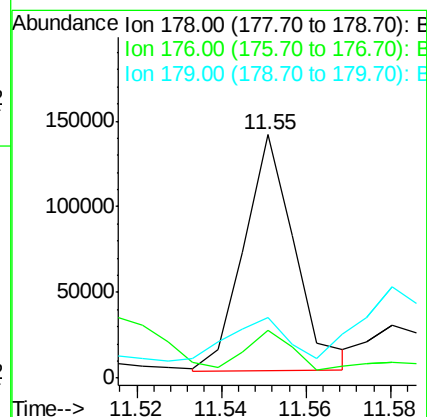
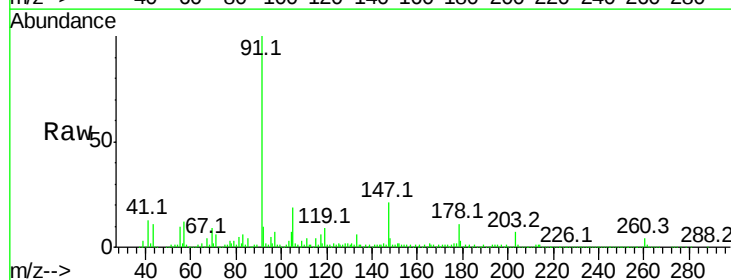
Tgt Ion:178 Resp: 114760

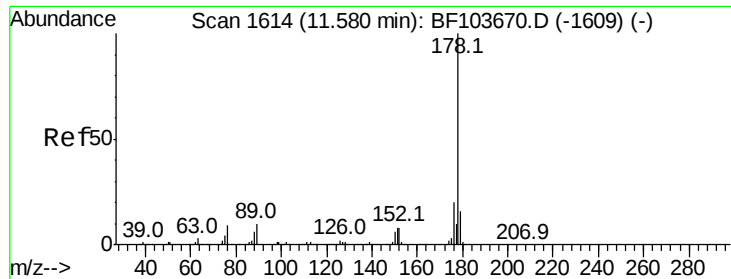
Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

179 24.9 13.0 19.6#

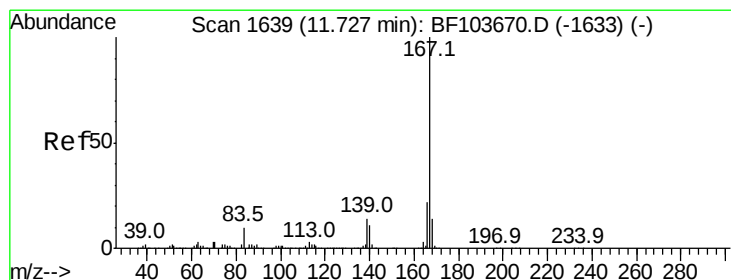
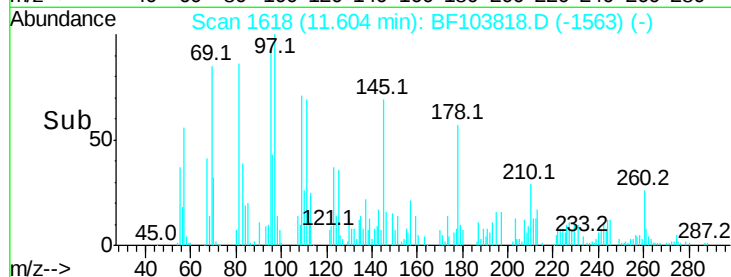
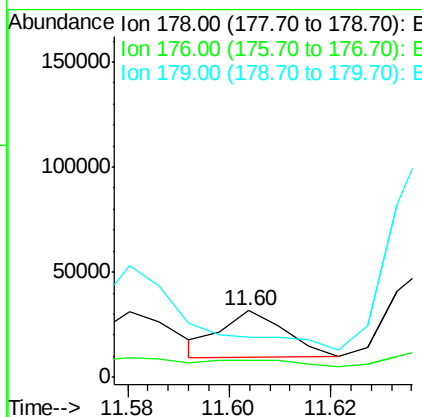
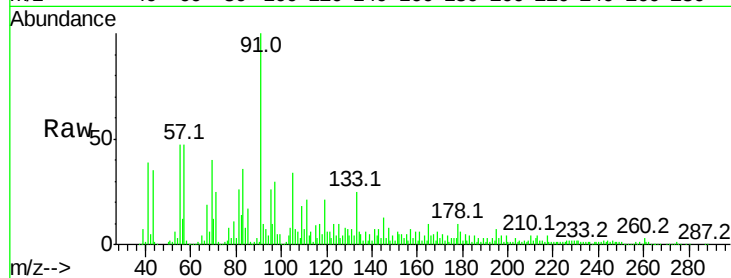




#71  
 Anthracene  
 Concen: 2.590 ng  
 RT: 11.60 min Scan# 1618  
 Delta R.T. 0.02 min  
 Lab File: BF103818.D  
 Acq: 20 Mar 2018 22:21

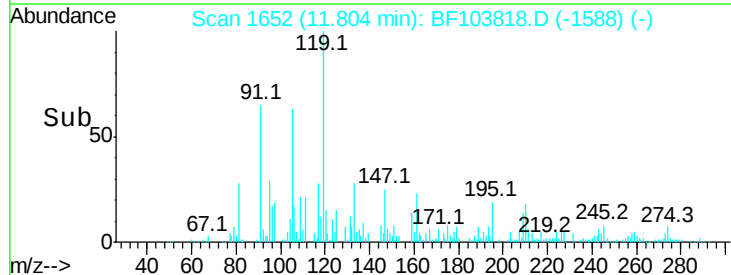
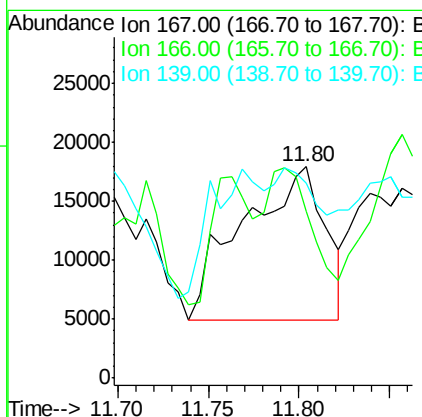
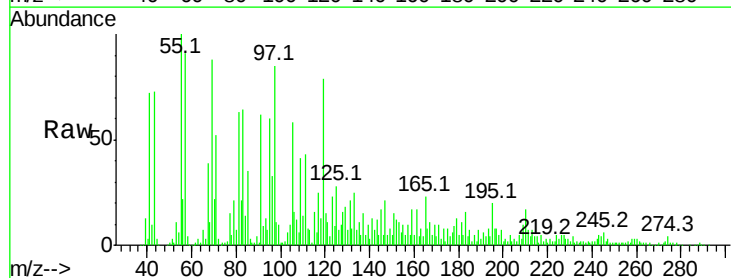
Instrument :  
 BNA\_F  
 ClientSampleId :

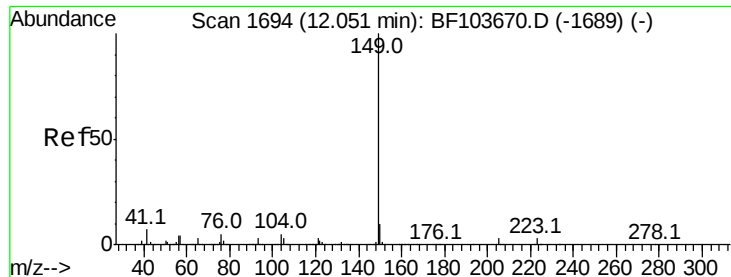
Tot Ion:178 Resp: 19204  
 Ion Ratio Lower Upper  
 178 100  
 176 25.9 15.4 23.2#  
 179 60.8 12.6 19.0#



#72  
 Carbazole  
 Concen: 5.742 ng  
 RT: 11.80 min Scan# 1652  
 Delta R.T. 0.08 min  
 Lab File: BF103818.D  
 Acq: 20 Mar 2018 22:21

Tgt Ion:167 Resp: 41387  
 Ion Ratio Lower Upper  
 167 100  
 166 78.9 17.6 26.4#  
 139 92.1 10.9 16.3#

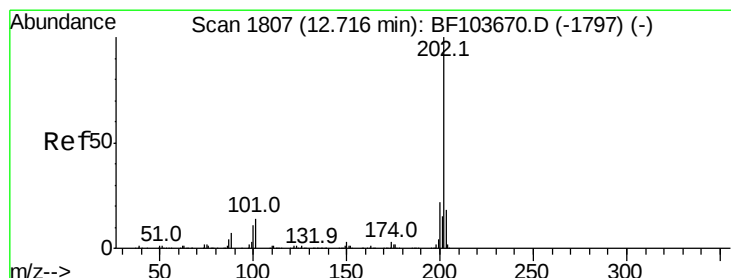
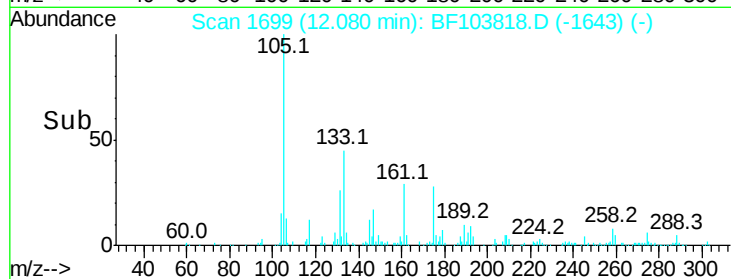
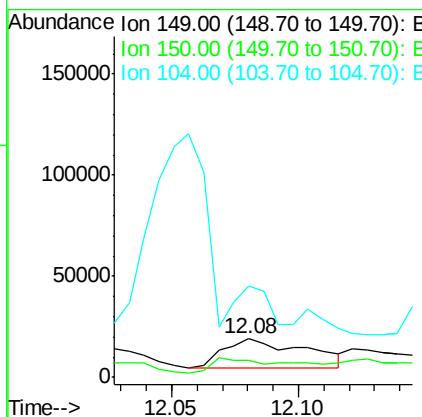
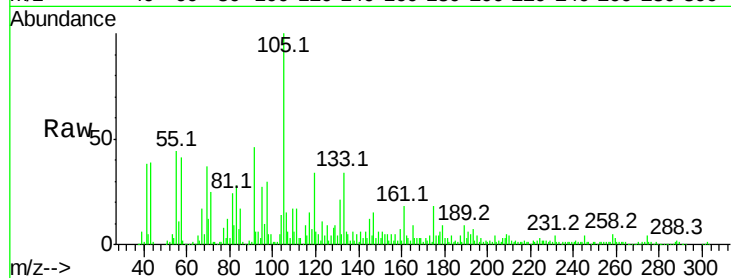




#73  
Di-n-butylphthalate  
Concen: 3.617 ng  
RT: 12.08 min Scan# 1699  
Delta R.T. 0.03 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

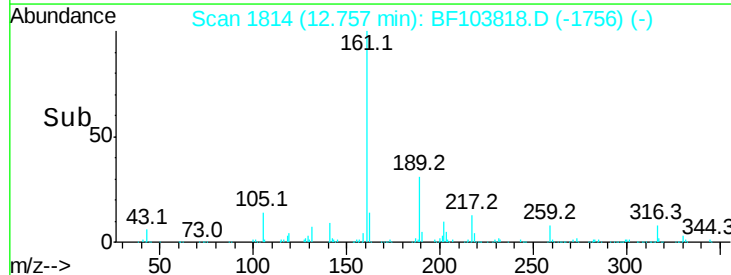
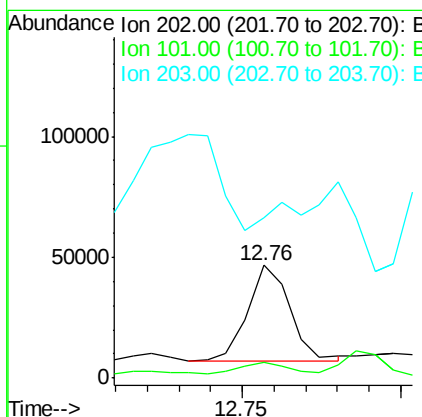
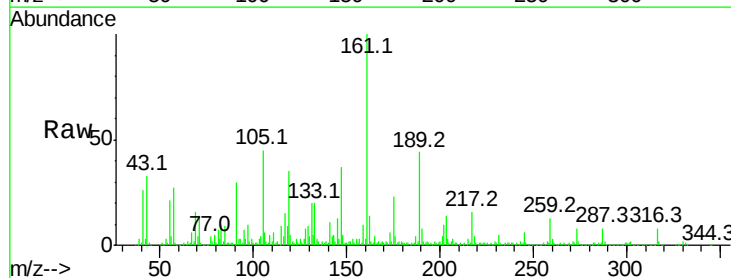
Instrument :  
BNA\_F  
ClientSampleId :

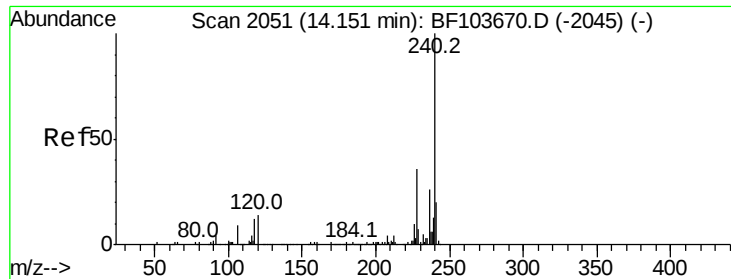
Tot Ion:149 Resp: 31281  
Ion Ratio Lower Upper  
149 100  
150 45.1 7.8 11.6#  
104 239.8 3.8 5.8#



#74  
Fluoranthene  
Concen: 4.818 ng  
RT: 12.76 min Scan# 1814  
Delta R.T. 0.04 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Tgt Ion:202 Resp: 36242  
Ion Ratio Lower Upper  
202 100  
101 14.2 0.0 34.1  
203 142.3 0.0 38.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2060

Delta R.T. 0.05 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampled :

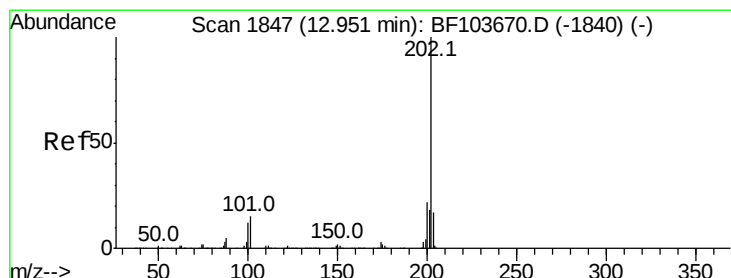
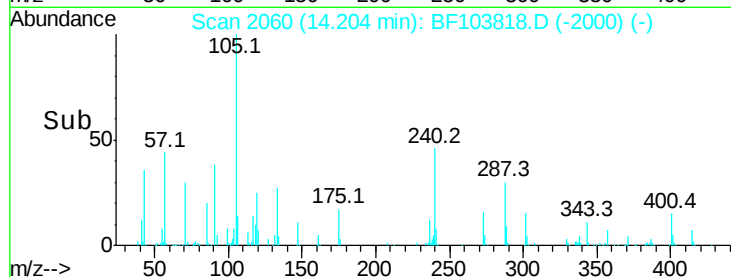
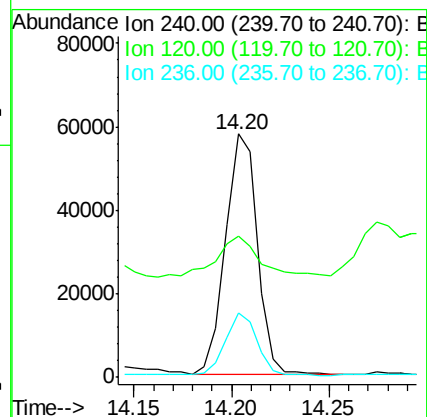
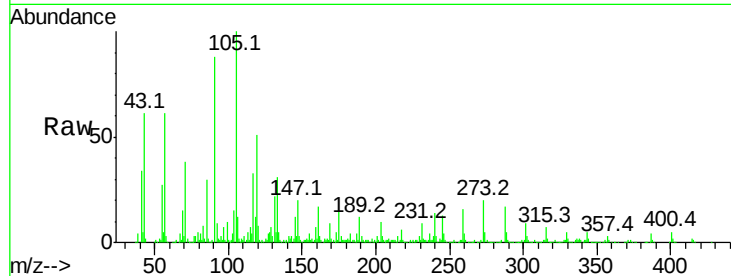
Tot Ion:240 Resp: 65639

Ion Ratio Lower Upper

240 100

120 57.9 9.5 14.3#

236 26.4 20.7 31.1



#77

Pyrene

Concen: 9.979 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.04 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

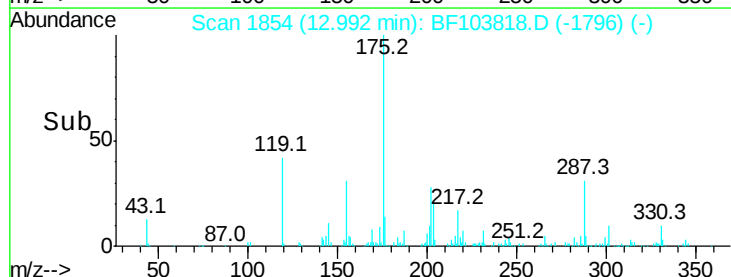
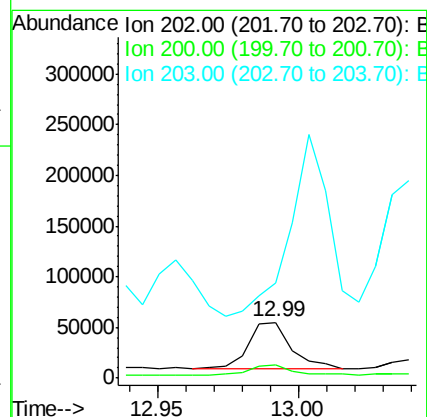
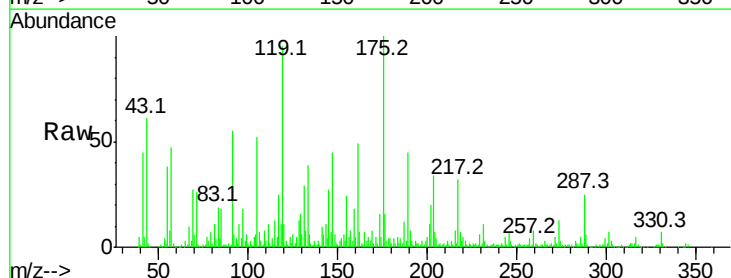
Tgt Ion:202 Resp: 48102

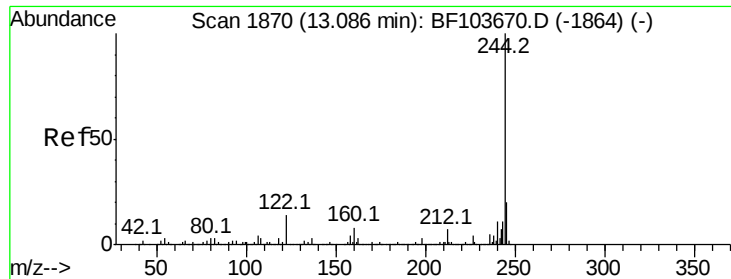
Ion Ratio Lower Upper

202 100

200 23.1 17.4 26.2

203 170.3 14.3 21.5#





#78

Terphenyl-d14

Concen: 188.046 ng

RT: 13.13 min Scan# 1877

Delta R.T. 0.04 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

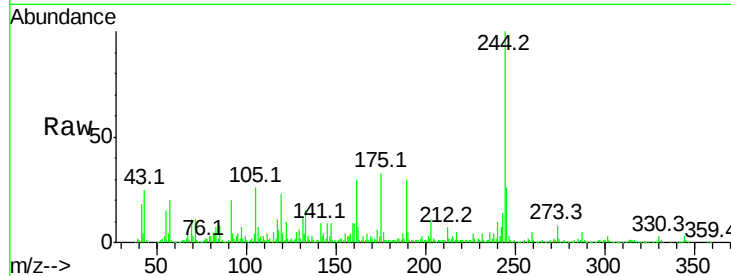
Tot Ion:244 Resp: 531769

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

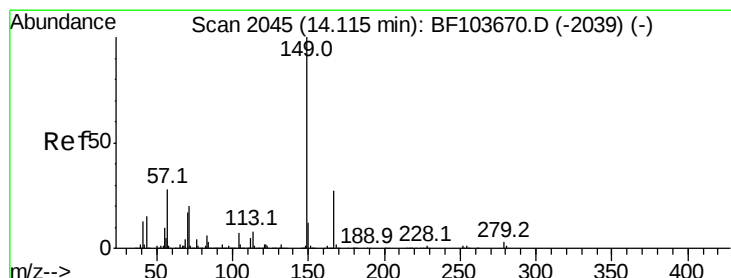
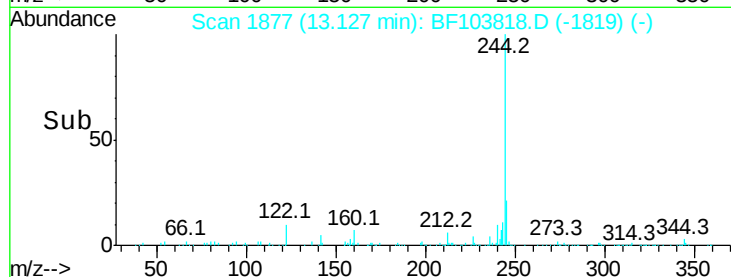
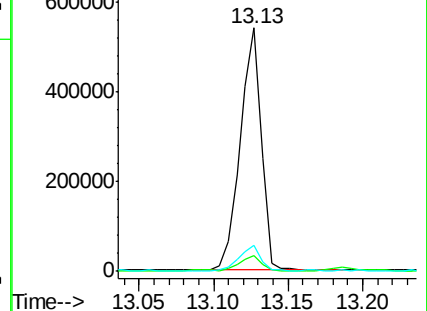
122 10.4 11.0 16.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.262 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.05 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

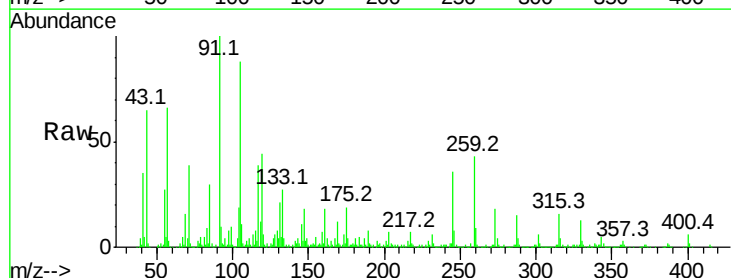
Tgt Ion:149 Resp: 16054

Ion Ratio Lower Upper

149 100

167 81.9 21.3 31.9#

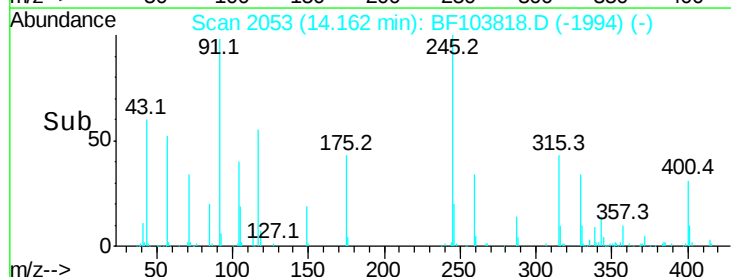
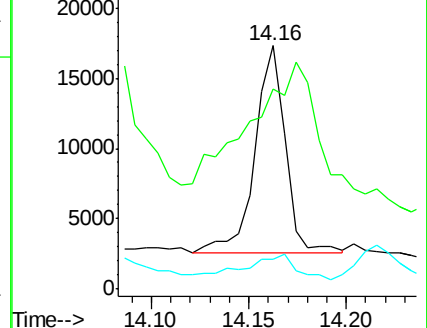
279 12.4 3.0 4.4#

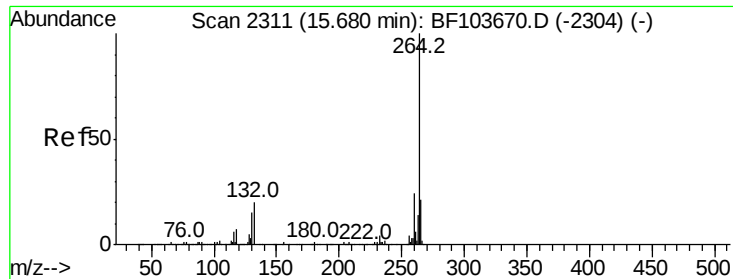


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

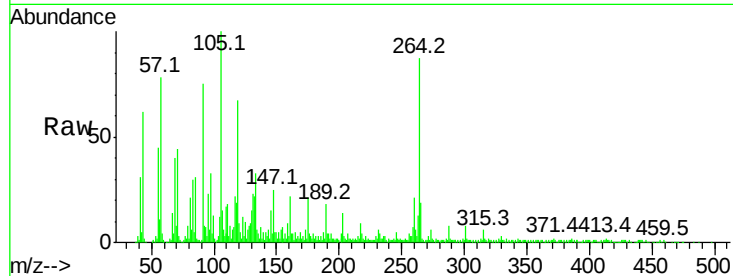




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.79 min Scan# 2329  
Delta R.T. 0.11 min  
Lab File: BF103818.D  
Acq: 20 Mar 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.7  | 17.5  | 26.3  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

