

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\  
 Data File : BF103418.D  
 Acq On : 5 Mar 2018 19:37  
 Operator : SJ/JU  
 Sample : J1722-19  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 05 23:53:18 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 05 13:40:47 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 147763   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 613209   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 260715   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.41 | 188  | 378311   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.07 | 240  | 211890   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.59 | 264  | 198617   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 1020357 | 104.44 | ng | 0.00 |
| 7) Phenol-d6             | 6.52  | 99  | 1223704 | 102.36 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 766709  | 71.40  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 177457  | 80.41  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1049199 | 65.60  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.00 | 244 | 696386  | 79.00  | ng | 0.00 |

## Target Compounds

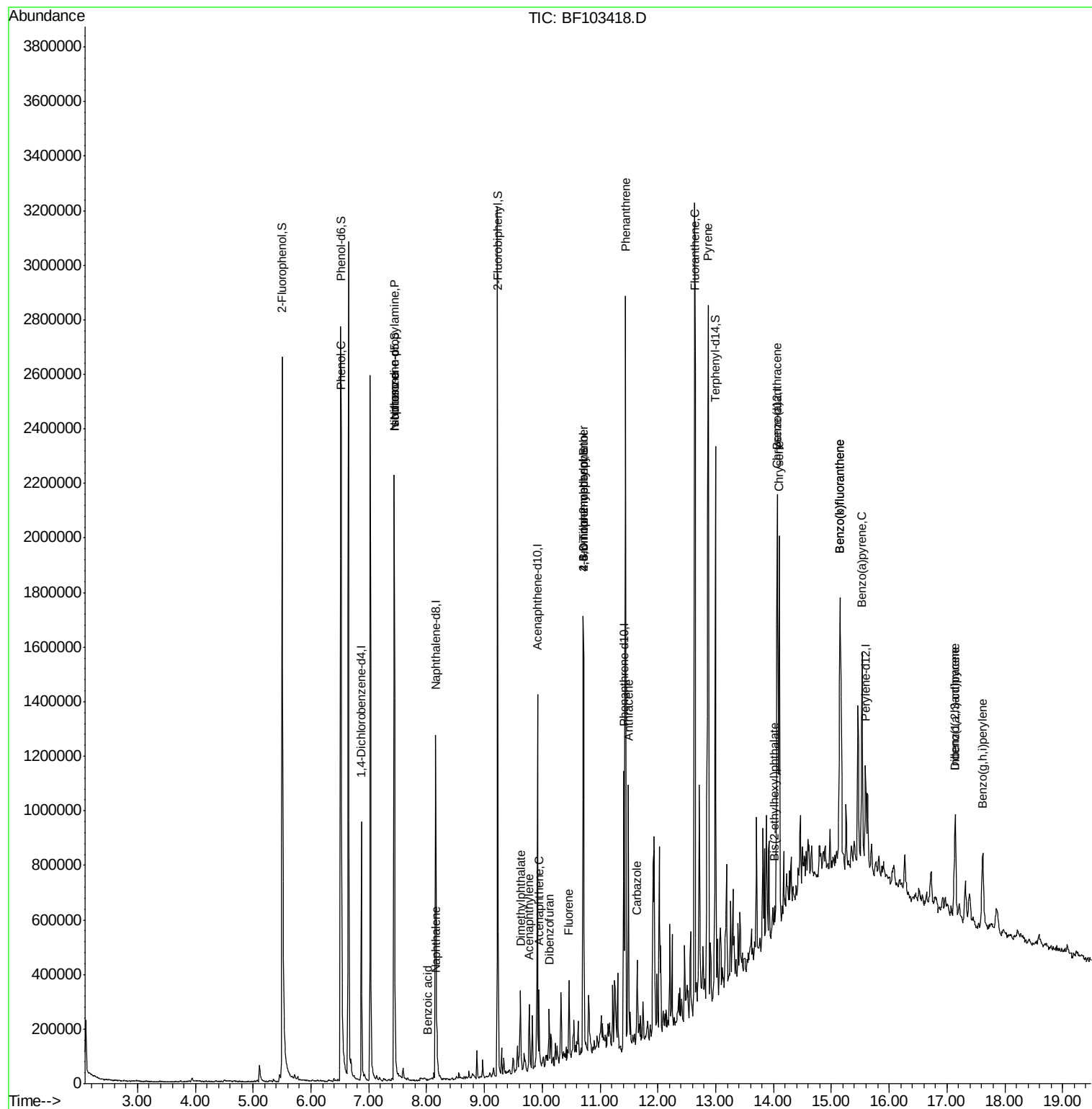
|                                |       |     |         |           |   | Qvalue |
|--------------------------------|-------|-----|---------|-----------|---|--------|
| 9) Benzaldehyde                | 6.39  | 77  | 793     | Below Cal | # | 1      |
| 10) Phenol                     | 6.53  | 94  | 93023   | 6.703 ng  | # | 76     |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70  | 103738  | 13.943 ng | # | 82     |
| 25) Isophorone                 | 7.44  | 82  | 766703  | 36.254 ng | # | 64     |
| 31) Naphthalene                | 8.17  | 128 | 64580   | 2.151 ng  |   | 98     |
| 32) Benzoic acid               | 8.02  | 122 | 110     | 6.929 ng  |   | 95     |
| 48) Acenaphthylene             | 9.77  | 152 | 86104   | 3.238 ng  |   | 97     |
| 49) Dimethylphthalate          | 9.62  | 163 | 95806   | 4.581 ng  |   | 98     |
| 51) Acenaphthene               | 9.95  | 154 | 50387   | 3.249 ng  |   | 99     |
| 54) Dibenzofuran               | 10.12 | 168 | 63184   | 2.968 ng  |   | 97     |
| 57) Fluorene                   | 10.46 | 166 | 74677   | 4.118 ng  |   | 95     |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 594     | 5.177 ng  | # | 1      |
| 66) 4-Bromophenyl-phenylether  | 10.71 | 248 | 12283   | 3.117 ng  | # | 1      |
| 70) Phenanthrene               | 11.44 | 178 | 1090872 | 52.396 ng |   | 99     |
| 71) Anthracene                 | 11.49 | 178 | 332058  | 15.554 ng |   | 100    |
| 72) Carbazole                  | 11.65 | 167 | 110331  | 5.190 ng  |   | 98     |
| 74) Fluoranthene               | 12.64 | 202 | 1488336 | 71.139 ng |   | 98     |
| 77) Pyrene                     | 12.87 | 202 | 1300899 | 78.746 ng |   | 99     |
| 80) Benzo(a)anthracene         | 14.06 | 228 | 674958  | 49.094 ng |   | 99     |
| 82) Chrysene                   | 14.10 | 228 | 588812  | 44.109 ng |   | 98     |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 25791   | 2.190 ng  | # | 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.14 | 276 | 246318  | 23.307 ng |   | 95     |
| 87) Benzo(b)fluoranthene       | 15.15 | 252 | 911215  | 69.777 ng | # | 94     |
| 88) Benzo(k)fluoranthene       | 15.15 | 252 | 911215  | 74.100 ng | # | 97     |
| 89) Benzo(a)pyrene             | 15.53 | 252 | 453988  | 38.930 ng |   | 95     |
| 90) Dibenzo(a,h)anthracene     | 17.14 | 278 | 70005   | 7.769 ng  | # | 86     |
| 91) Benzo(g,h,i)perylene       | 17.62 | 276 | 229648  | 26.076 ng |   | 96     |

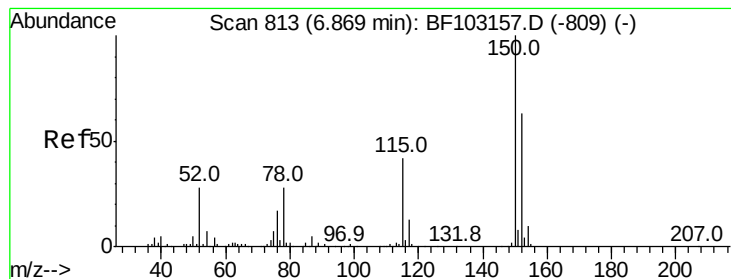
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\  
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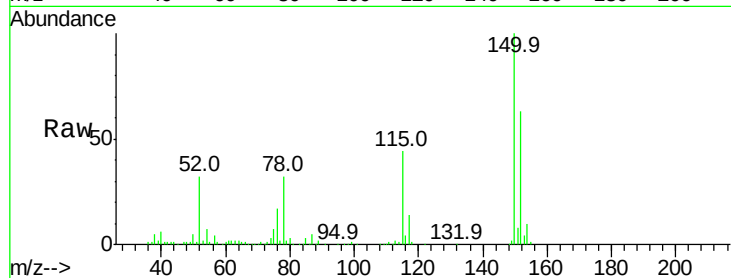


#1

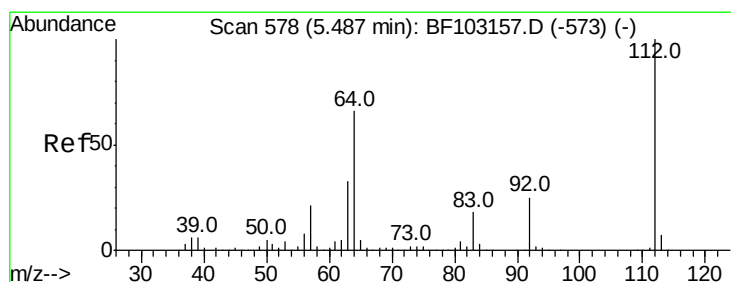
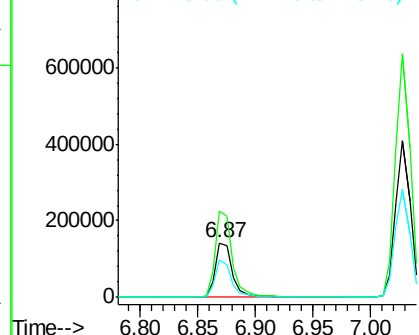
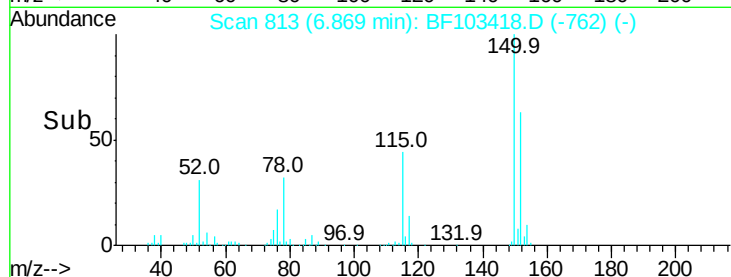
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 147763  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.6 186.8  
115 69.7 50.1 75.1



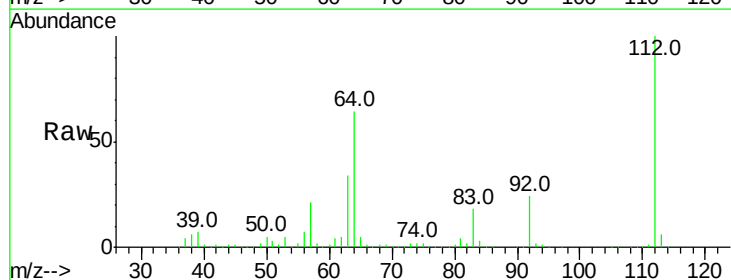
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



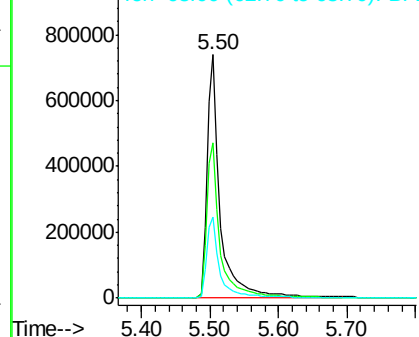
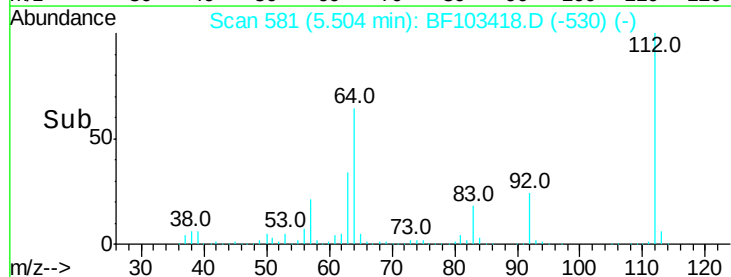
#5

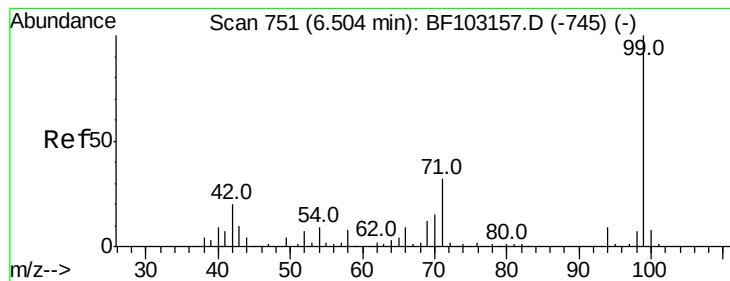
2-Fluorophenol  
Concen: 104.439 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.00 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Tgt Ion:112 Resp: 1020357  
Ion Ratio Lower Upper  
112 100  
64 63.8 47.9 71.9  
63 33.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.360 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

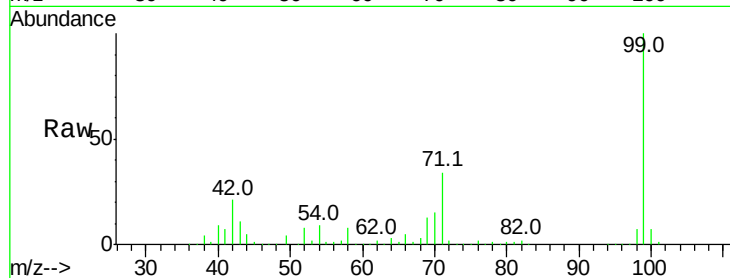
Tot Ion: 99 Resp: 1223704

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.3  | 14.5  | 21.7  |
| 71  | 33.6  | 25.4  | 38.0  |

99 100

42 21.3 14.5 21.7

71 33.6 25.4 38.0



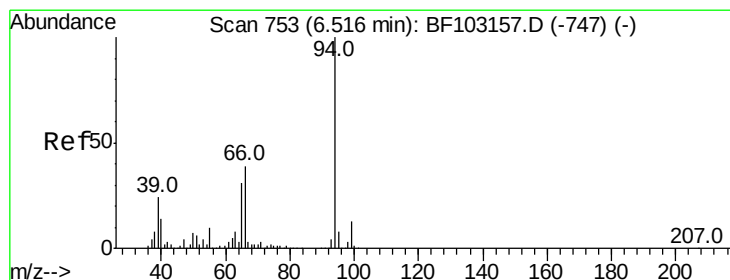
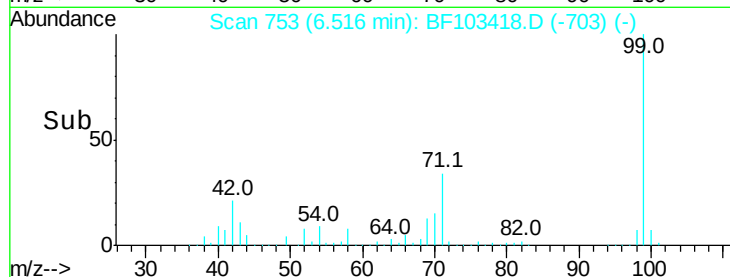
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.52

Time-->



#10

Phenol

Concen: 6.703 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

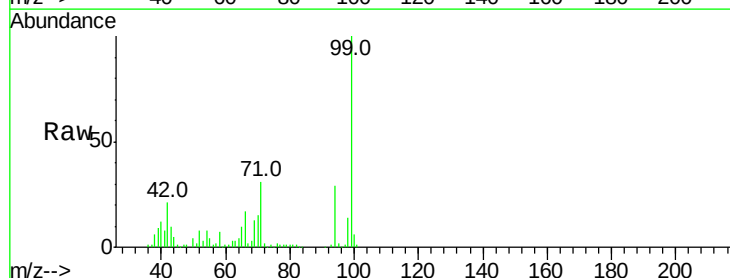
Tgt Ion: 94 Resp: 93023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.9  | 7.9   | 47.9  |
| 66  | 57.2  | 16.2  | 56.2  |

94 100

65 32.9 7.9 47.9

66 57.2 16.2 56.2#



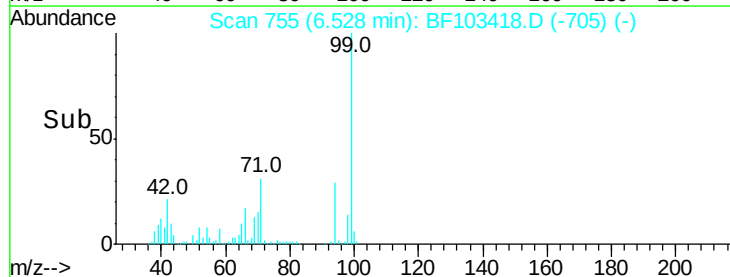
Abundance Ion 94.00 (93.70 to 94.70): BF1

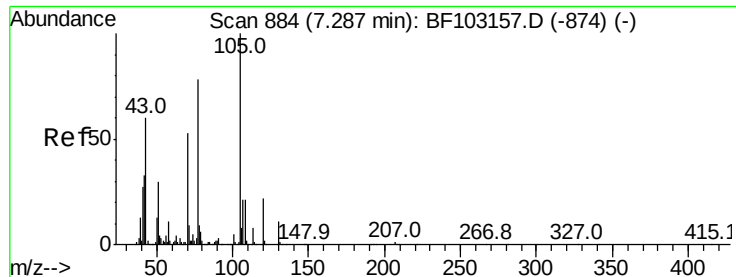
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

6.53

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 13.943 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 103738

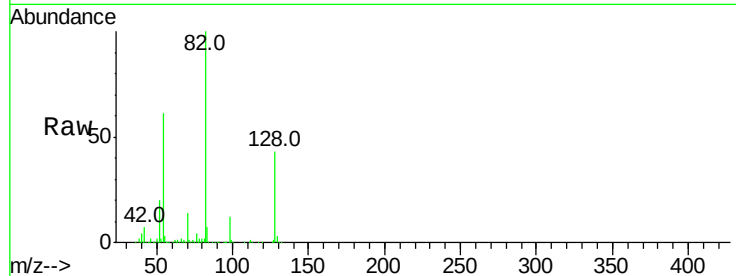
Ion Ratio Lower Upper

70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

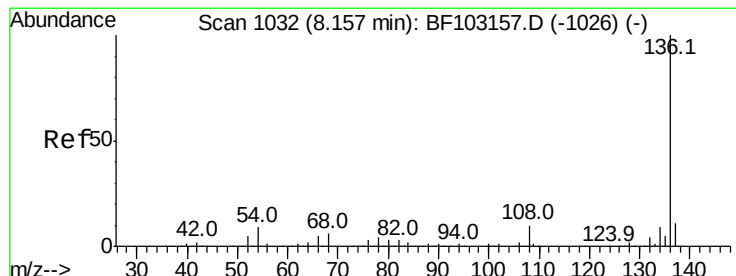
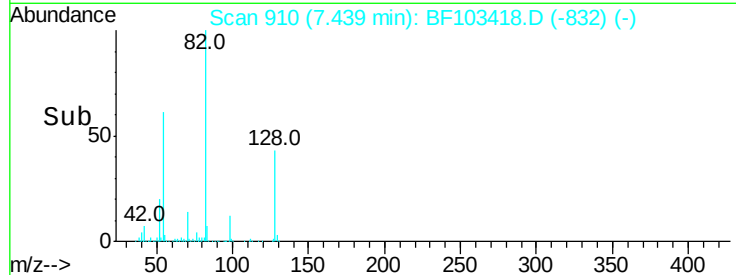
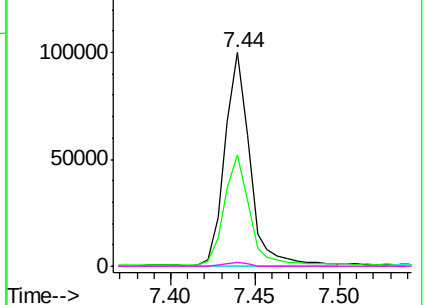


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Tgt Ion: 136 Resp: 613209

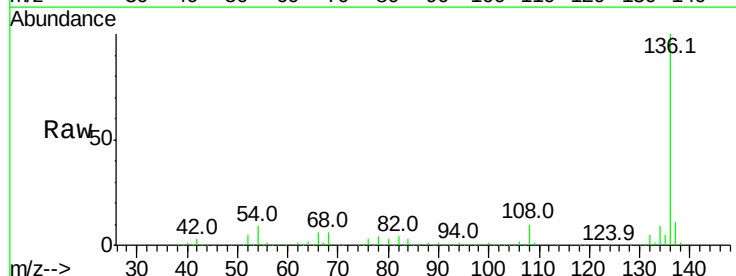
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.2 6.6 9.8

68 6.4 5.0 7.4

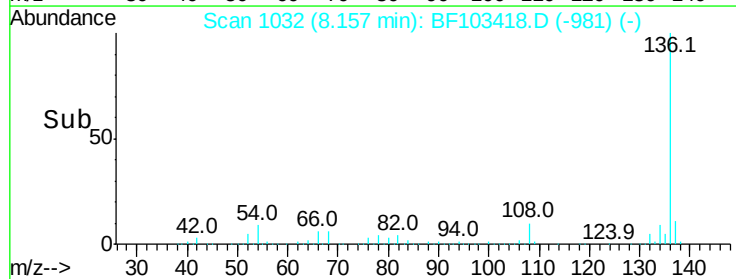
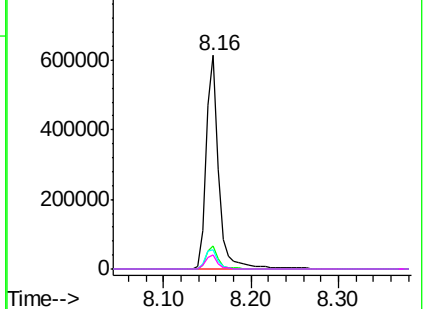


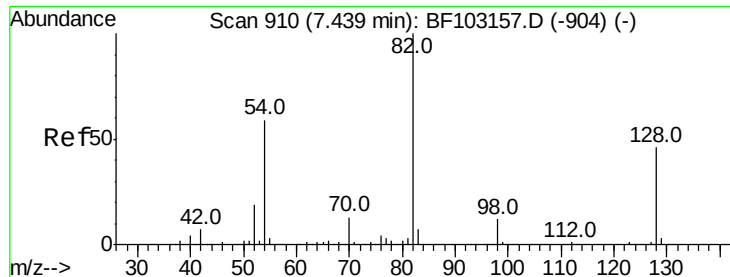
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

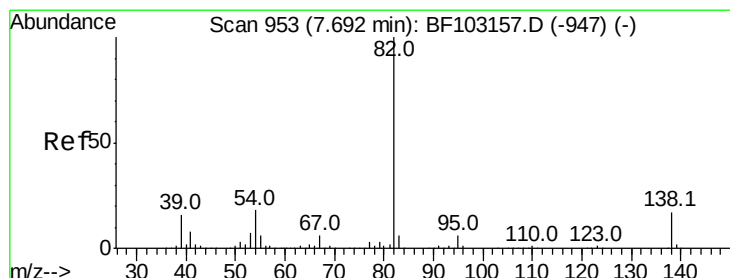
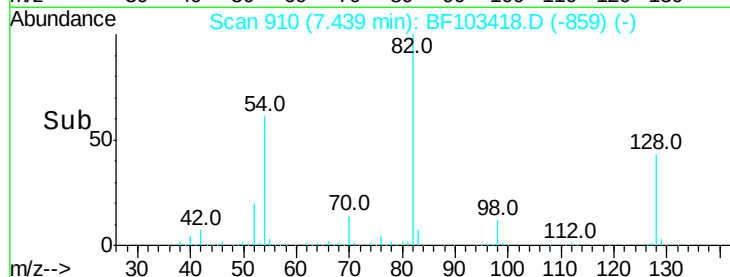
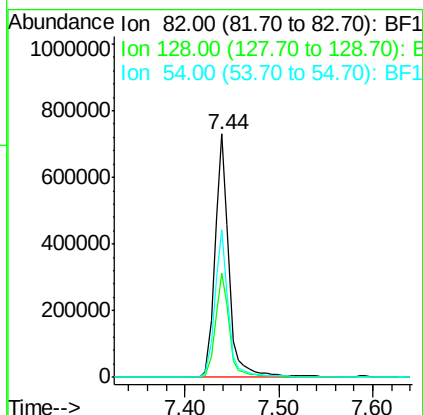
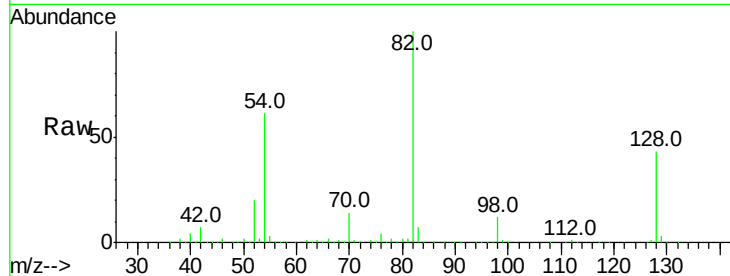




#23  
 Nitrobenzene-d5  
 Concen: 71.404 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

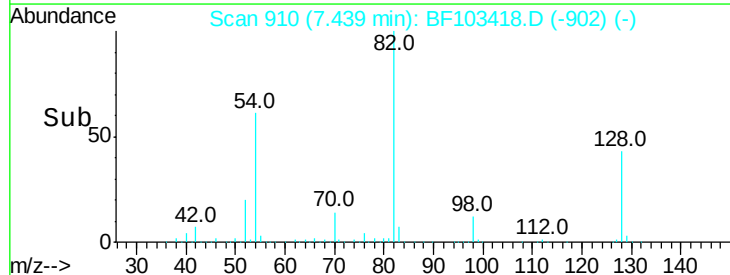
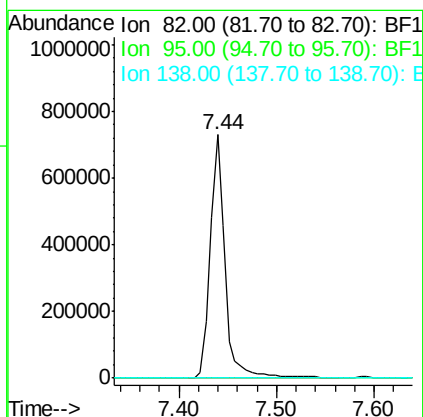
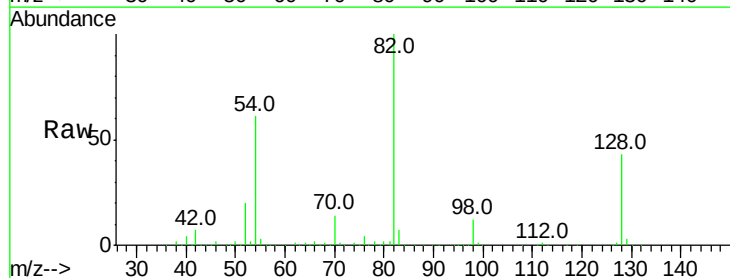
Instrument :  
 BNA\_F  
 ClientSampleID :

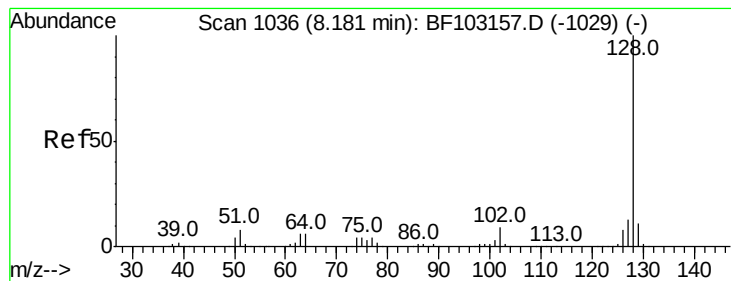
| Tot Ion   | 82    | Resp  | 766709 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.9  | 36.1  | 54.1   |
| 54        | 60.5  | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 36.254 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.25 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

| Tgt Ion   | 82    | Resp  | 766703 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.2   | 7.8#   |
| 138       | 0.0   | 14.9  | 22.3#  |





#31

Naphthalene

Concen: 2.151 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

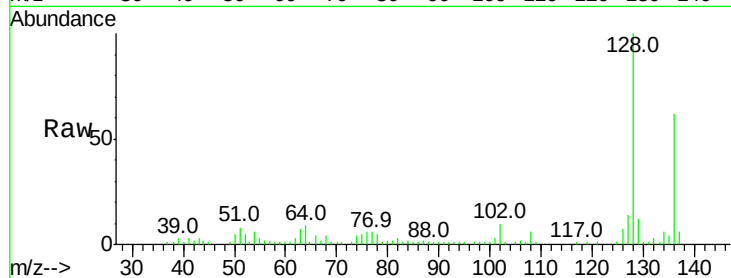
Tot Ion:128 Resp: 64580

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

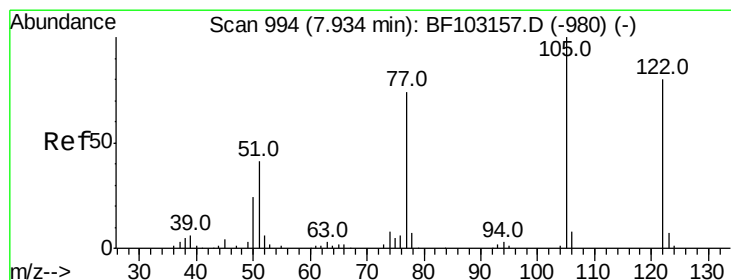
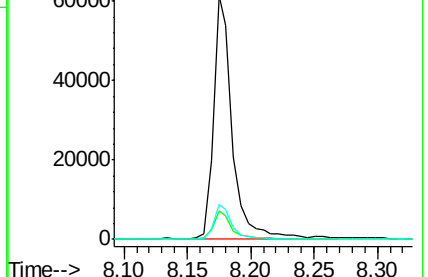
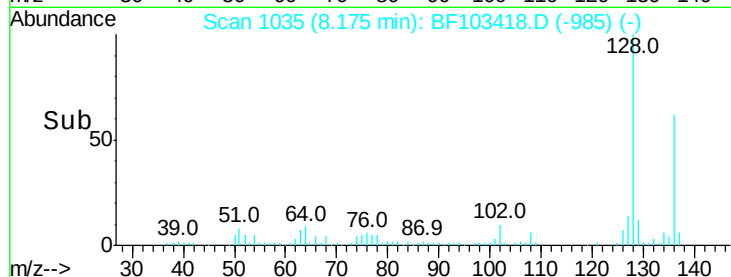
127 14.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.929 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.06 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

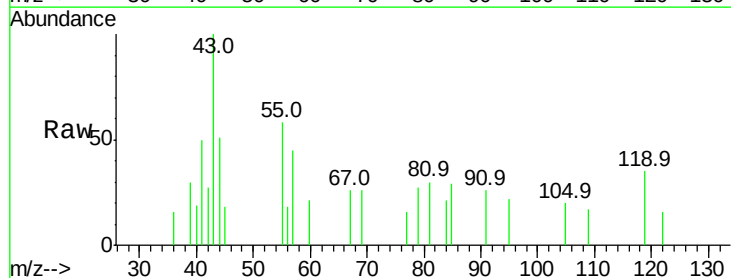
Tgt Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 124.1 101.1 141.1

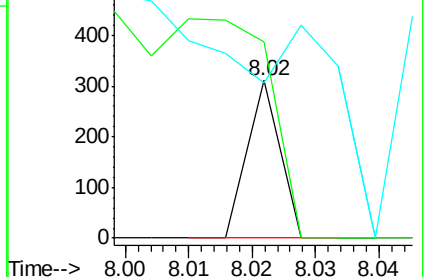
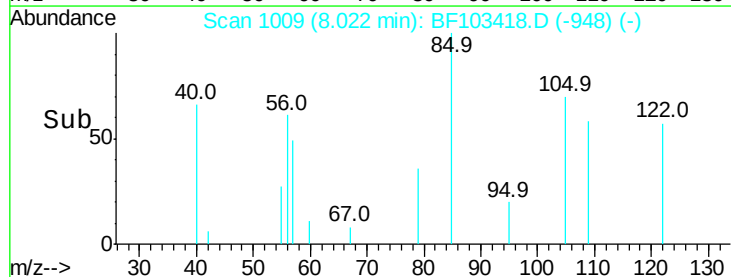
77 98.7 70.7 110.7

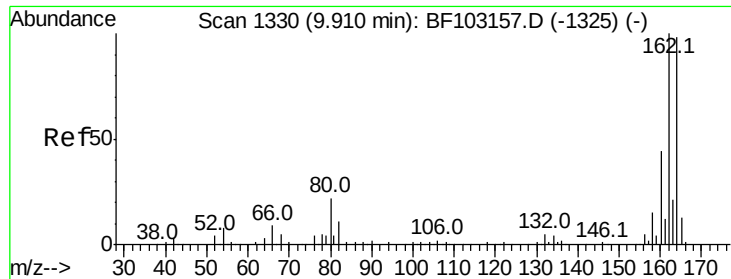


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

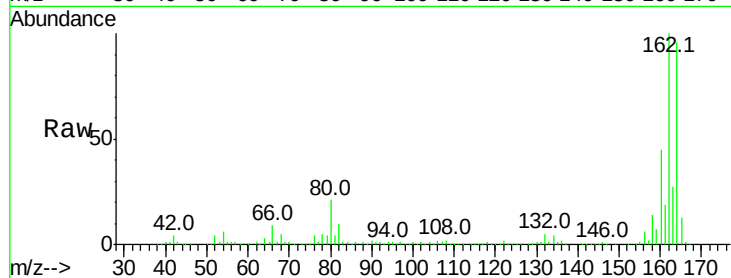




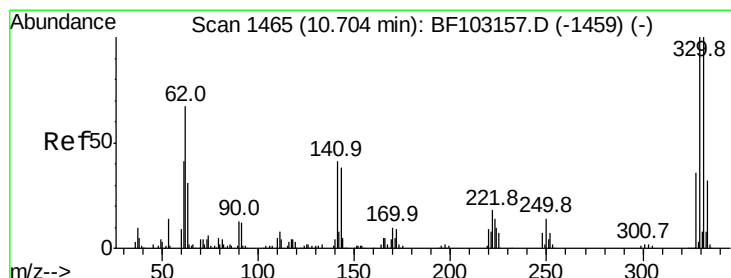
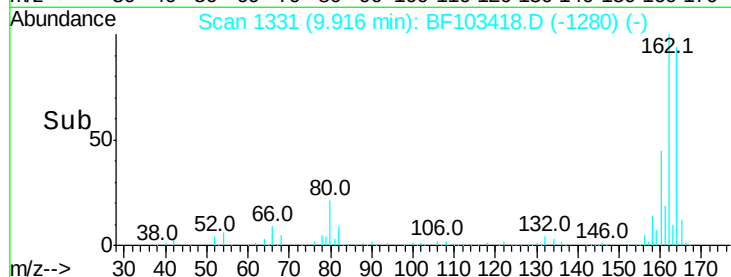
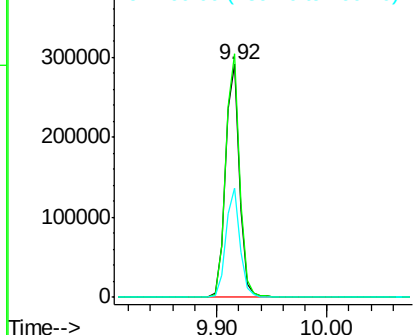
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. 0.00 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 260715  
 Ion Ratio Lower Upper  
 164 100  
 162 104.4 86.1 129.1  
 160 47.0 38.3 57.5

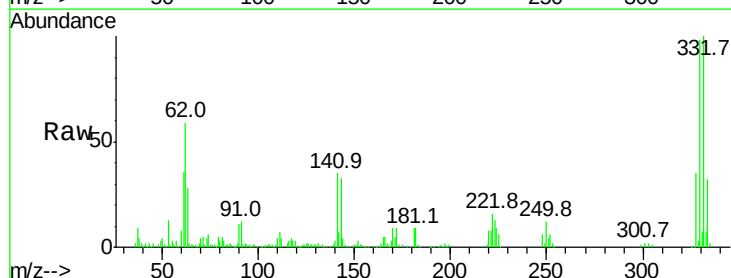


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

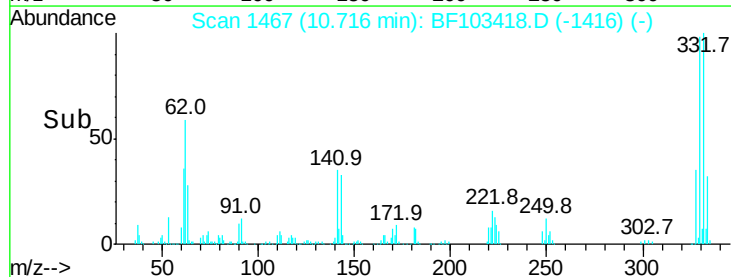
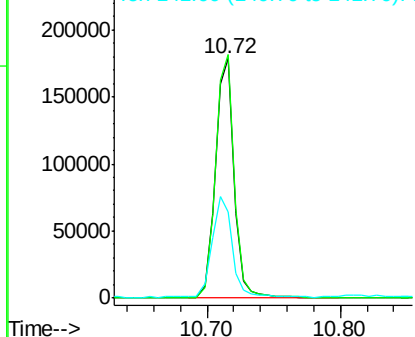


#41  
 2,4,6-Tribromophenol  
 Concen: 80.413 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

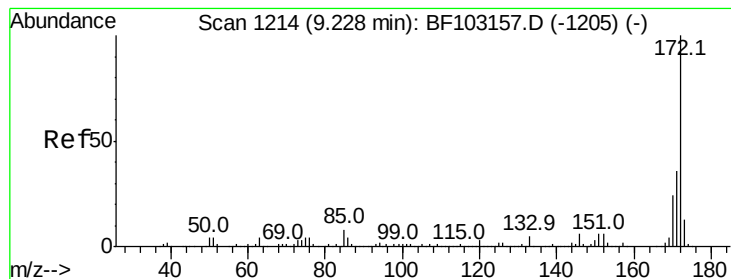
Tgt Ion:330 Resp: 177457  
 Ion Ratio Lower Upper  
 330 100  
 332 101.8 77.0 115.6  
 141 45.6 29.9 44.9#



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







#44

2-Fluorobiphenyl

Concen: 65.599 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

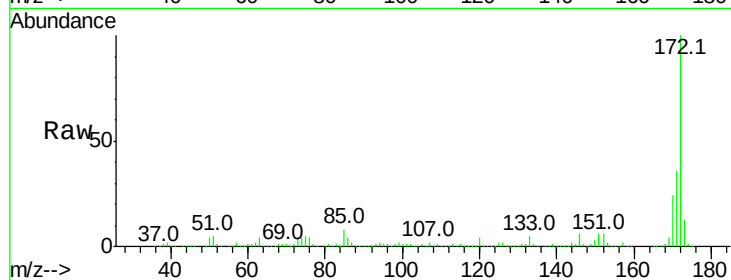
Instrument :

BNA\_F

ClientSampled :

Tot Ion:172 Resp: 1049199

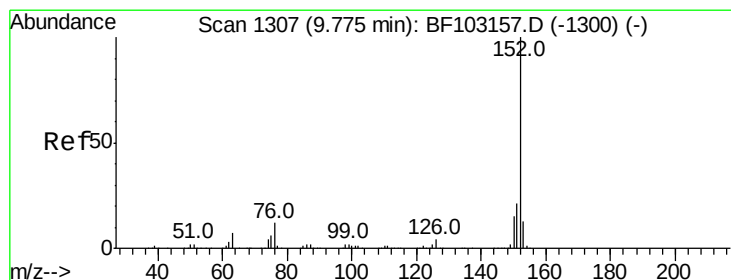
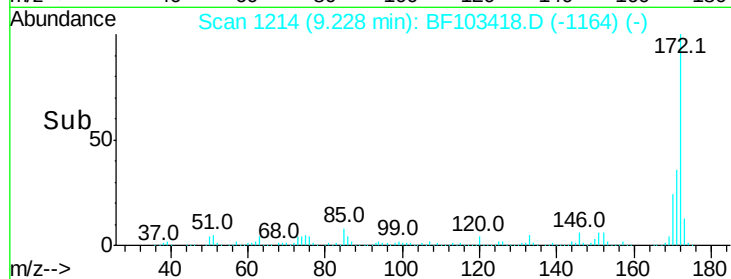
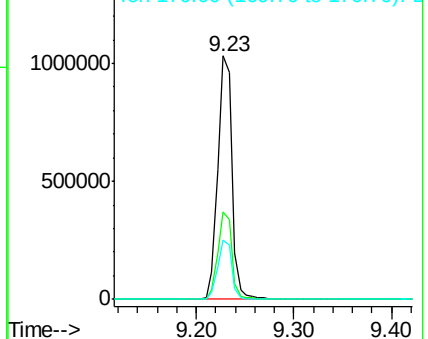
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.1  | 29.7  | 44.5  |
| 170 | 24.5  | 19.6  | 29.4  |



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



#48

Acenaphthylene

Concen: 3.238 ng

RT: 9.77 min Scan# 1307

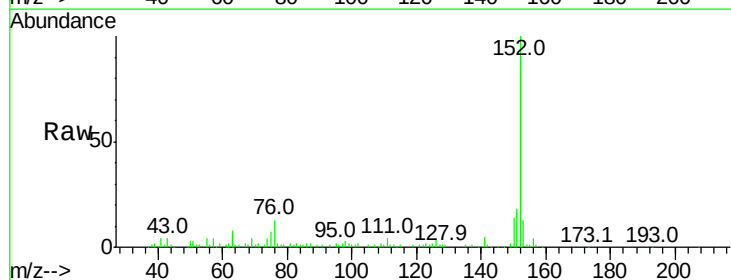
Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Tgt Ion:152 Resp: 86104

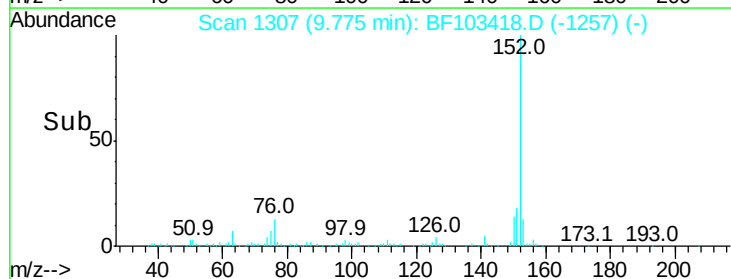
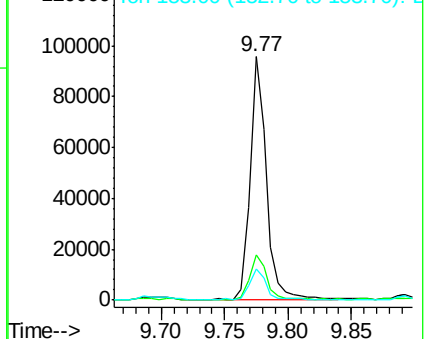
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 18.4  | 16.3  | 24.5  |
| 153 | 12.8  | 10.7  | 16.1  |

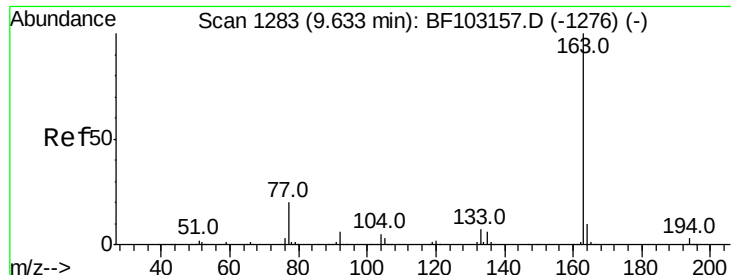


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

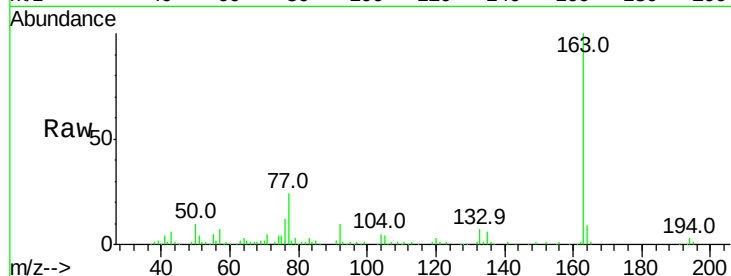




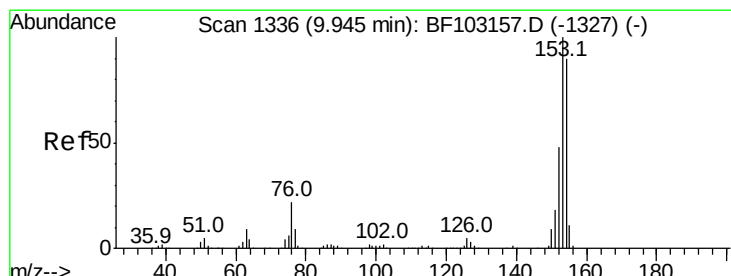
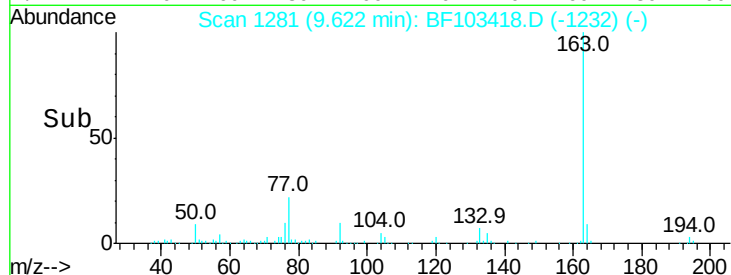
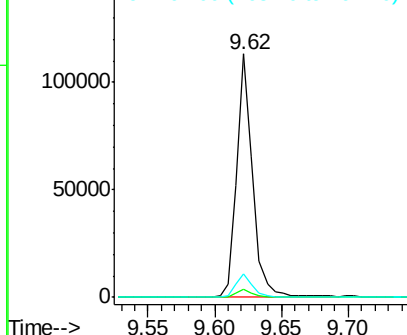
#49  
Dimethylphthalate  
Concen: 4.581 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:163 Resp: 95806  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.7 4.1  
164 9.4 8.2 12.2

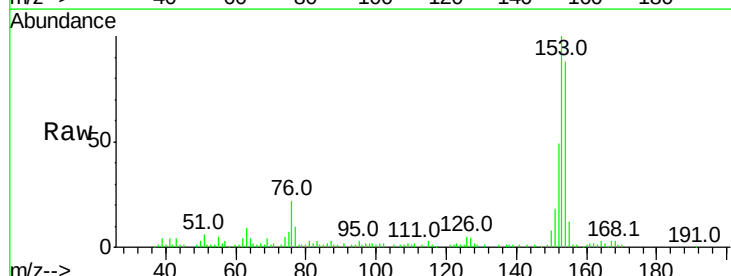


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

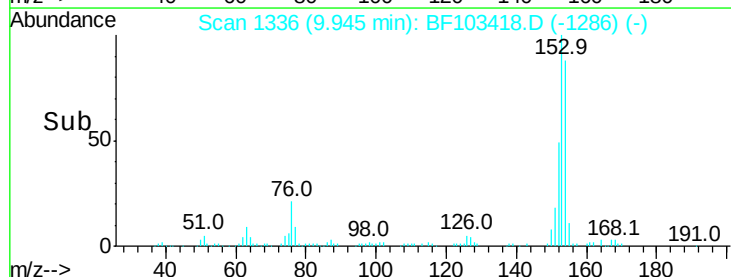
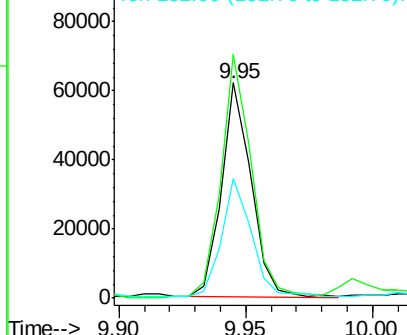


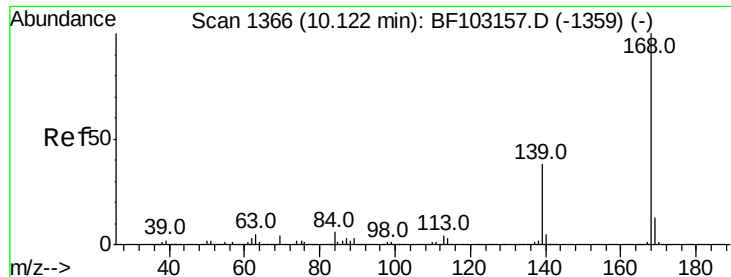
#51  
Acenaphthene  
Concen: 3.249 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Tgt Ion:154 Resp: 50387  
Ion Ratio Lower Upper  
154 100  
153 113.1 91.2 136.8  
152 55.7 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





#54

Dibenzenofuran

Concen: 2.968 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampled :

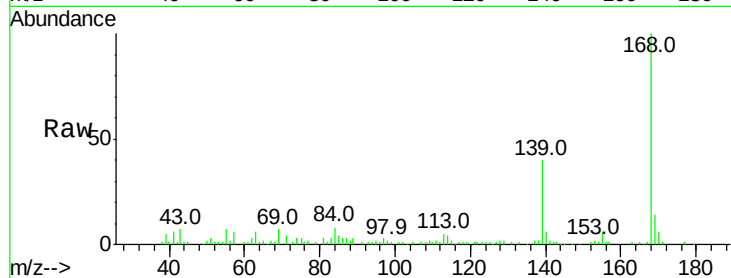
Tot Ion:168 Resp: 63184

Ion Ratio Lower Upper

168 100

139 39.7 30.1 45.1

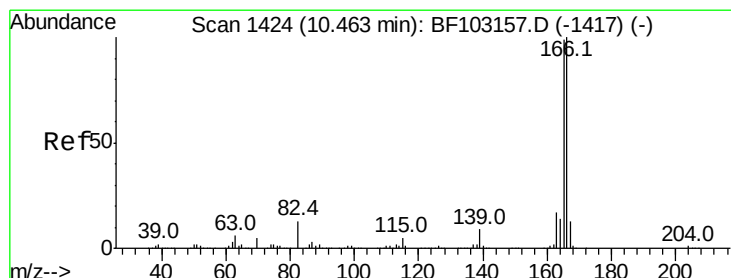
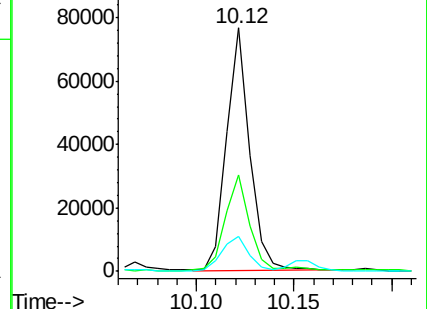
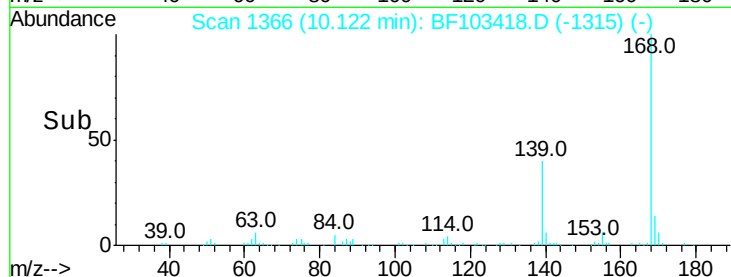
169 14.3 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.118 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

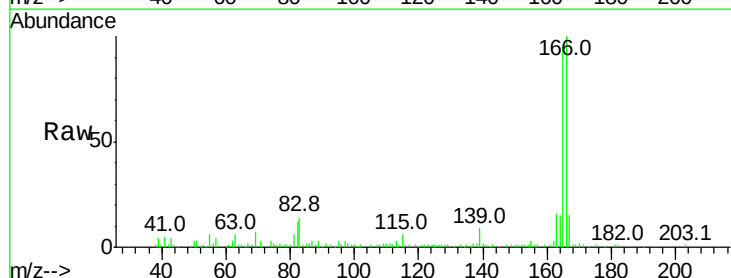
Tgt Ion:166 Resp: 74677

Ion Ratio Lower Upper

166 100

165 95.1 79.8 119.8

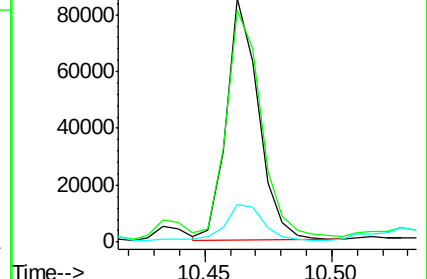
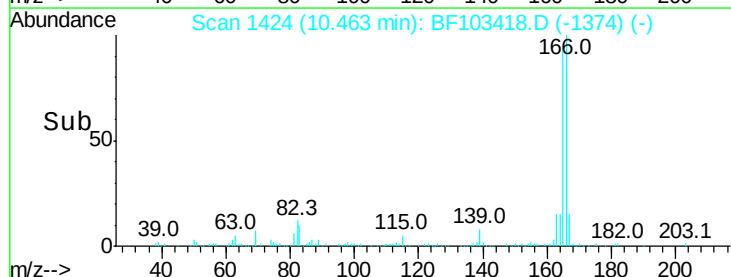
167 15.2 10.6 16.0

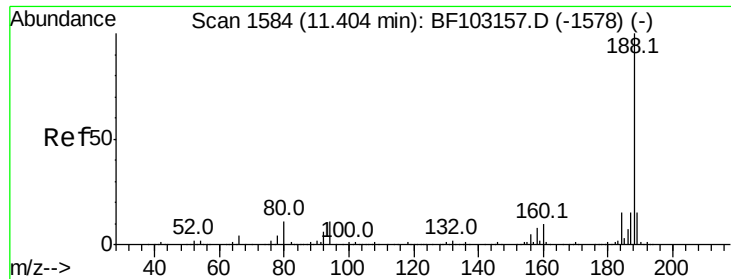


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

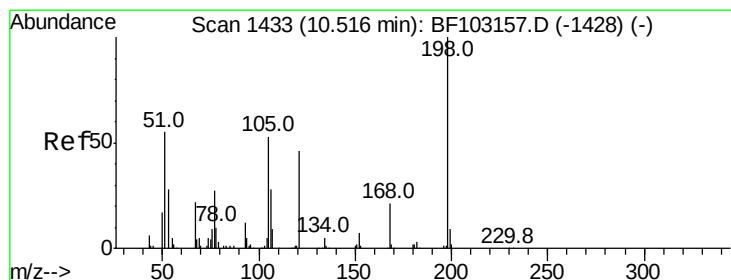
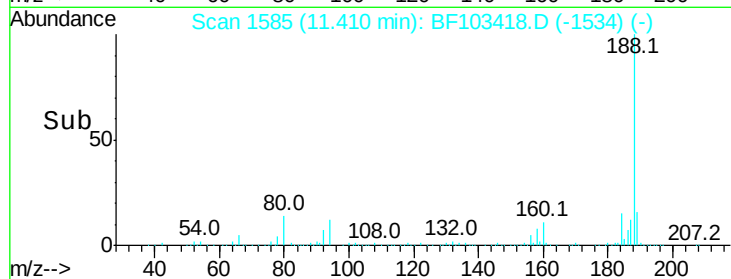
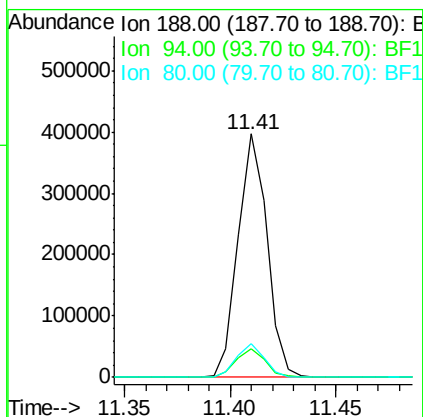
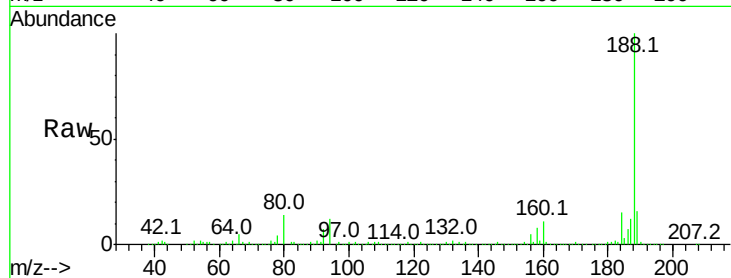




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.00 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

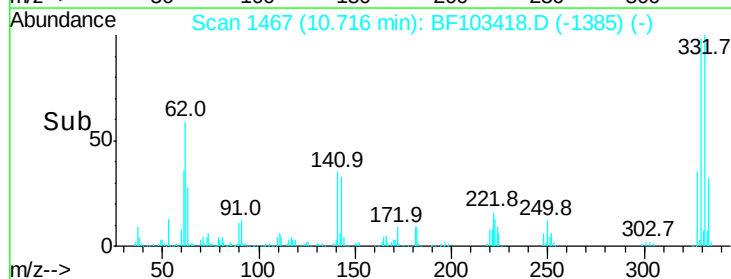
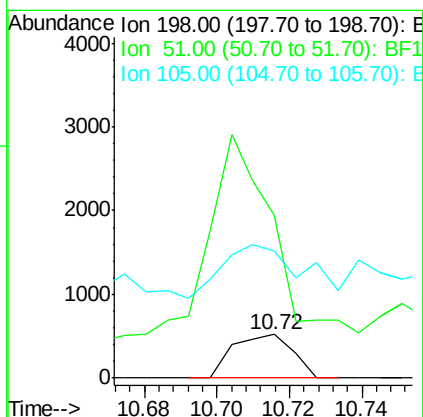
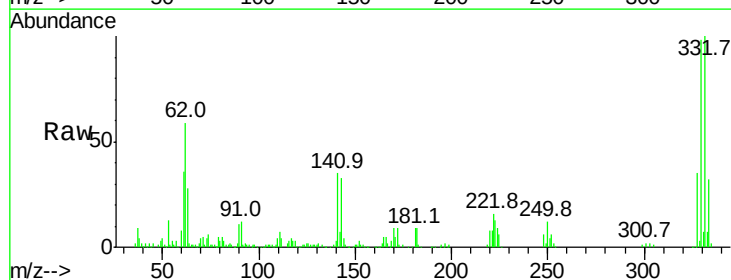
Instrument :  
BNA\_F  
ClientSampleId :

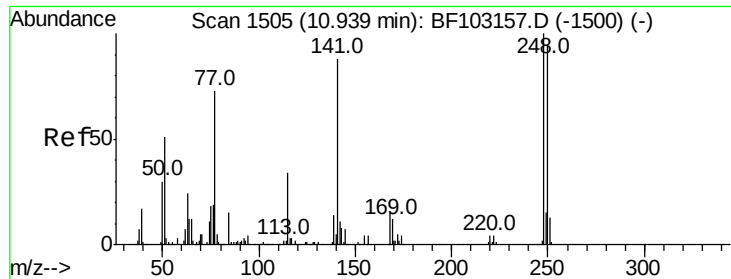
Tot Ion:188 Resp: 378311  
Ion Ratio Lower Upper  
188 100  
94 11.9 8.5 12.7  
80 13.7 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.177 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. 0.18 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Tgt Ion:198 Resp: 594  
Ion Ratio Lower Upper  
198 100  
51 374.1 37.7 77.7#  
105 291.0 36.3 76.3#

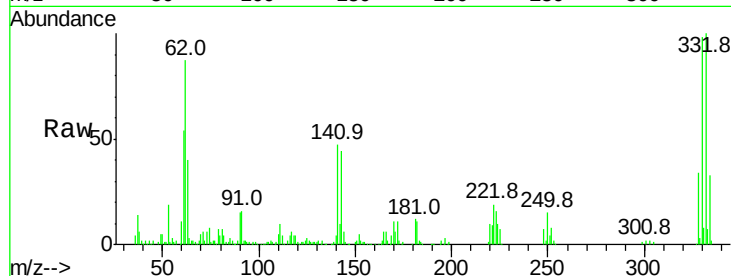




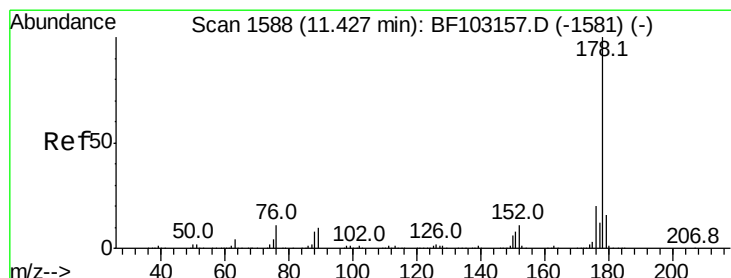
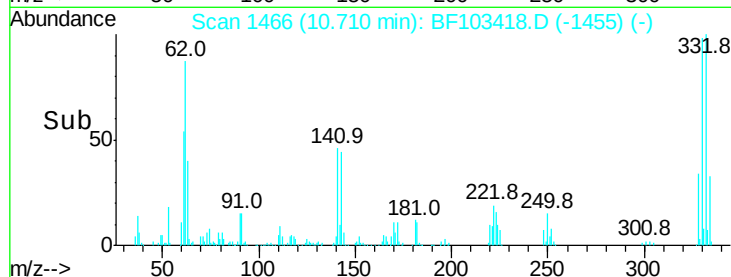
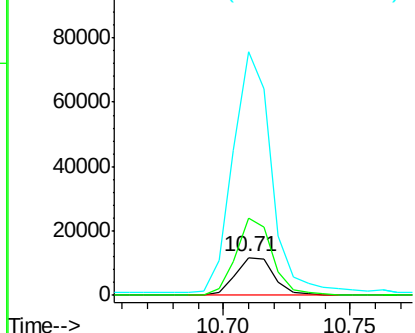
#66  
4-Bromophenyl-phenylether  
Concen: 3.117 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.24 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 12283  
Ion Ratio Lower Upper  
248 100  
250 204.0 76.9 115.3#  
141 646.6 74.4 111.6#

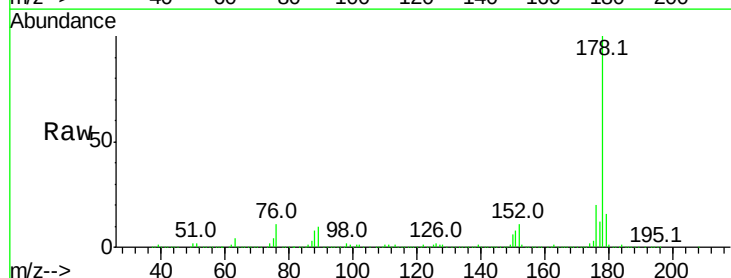


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

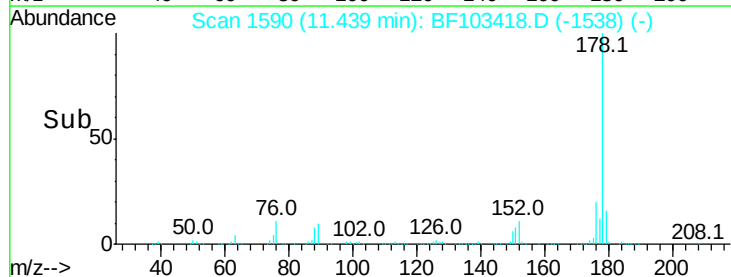
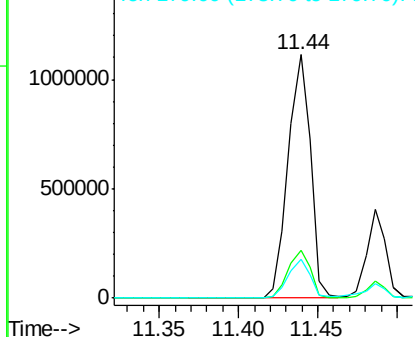


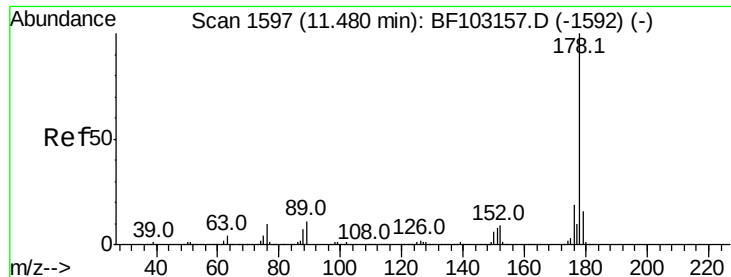
#70  
Phenanthrene  
Concen: 52.396 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. 0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Tgt Ion:178 Resp: 1090872  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.8 23.8  
179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

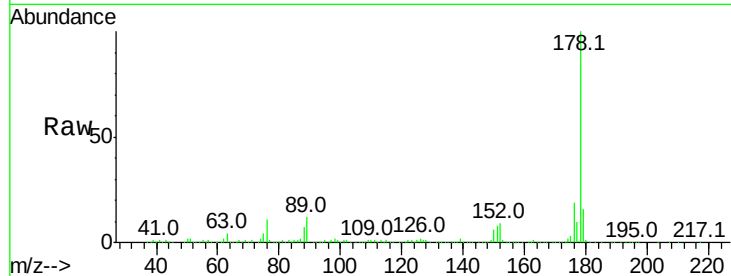




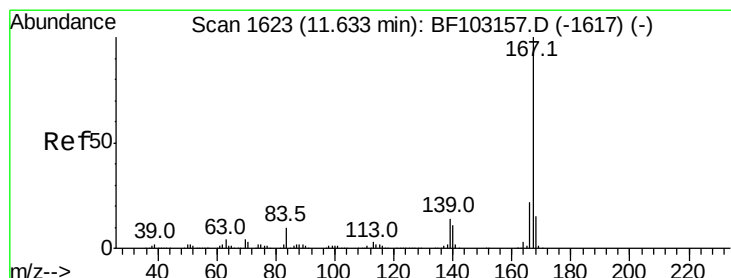
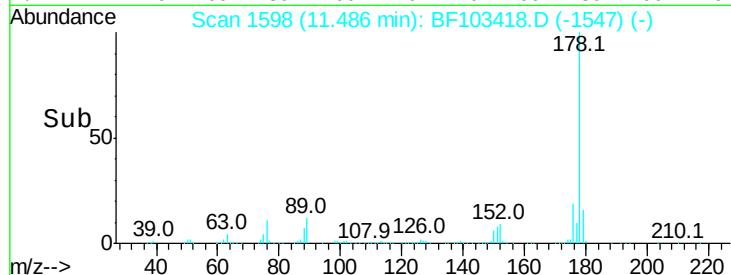
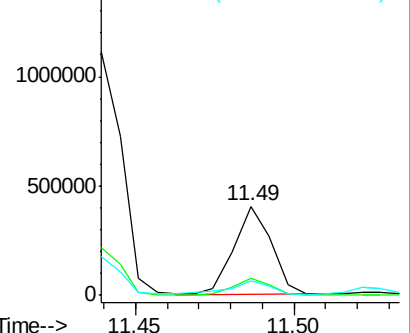
#71  
 Anthracene  
 Concen: 15.554 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.00 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:178 Resp: 332058  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.4 23.2  
 179 15.8 12.6 19.0

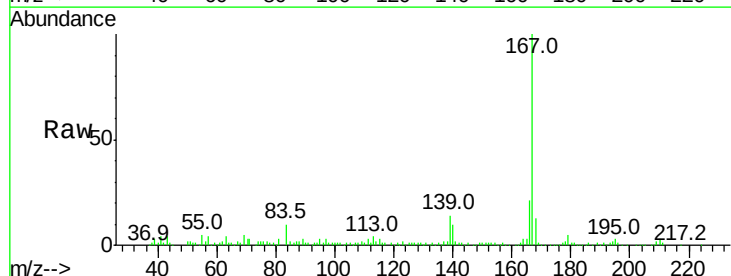


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

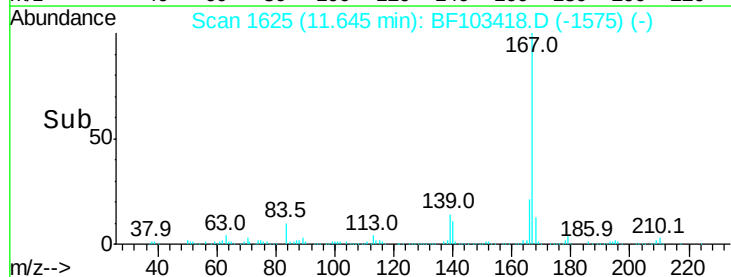
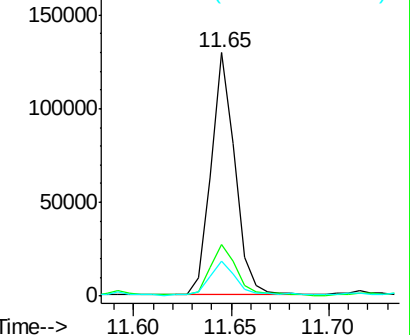


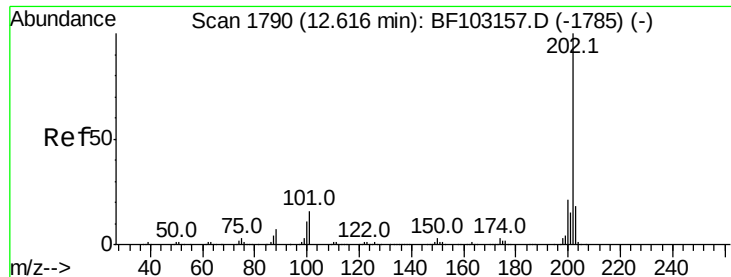
#72  
 Carbazole  
 Concen: 5.190 ng  
 RT: 11.65 min Scan# 1625  
 Delta R.T. -0.01 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

Tgt Ion:167 Resp: 110331  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.6 26.4  
 139 14.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 71.139 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

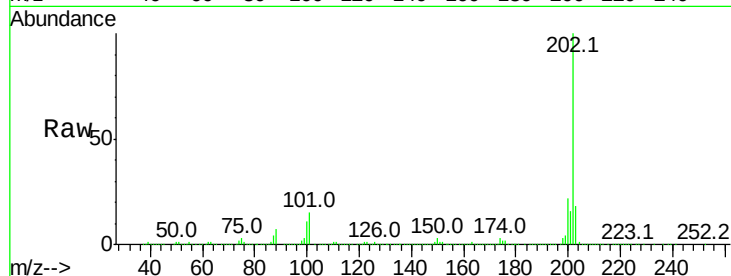
Tot Ion:202 Resp: 1488336

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

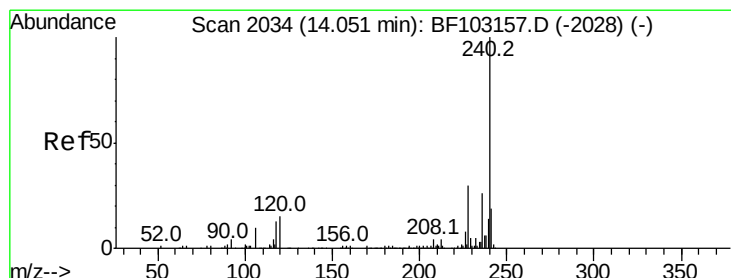
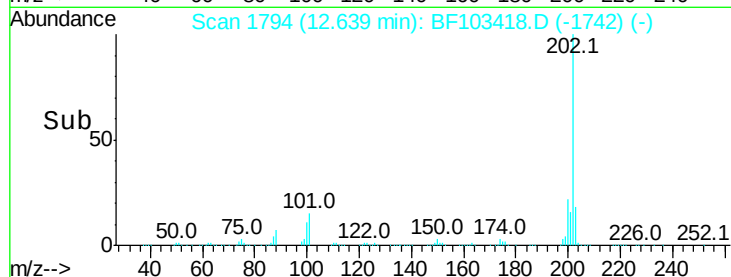
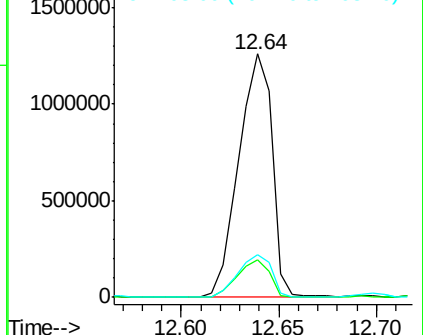
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

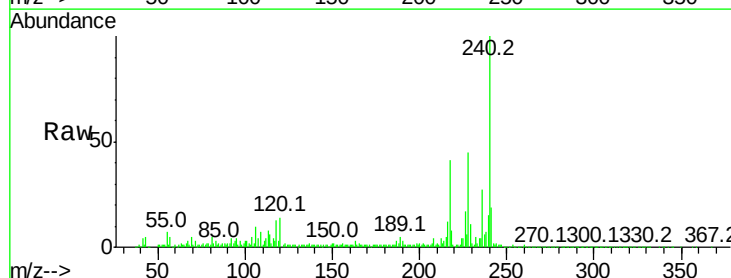
Tgt Ion:240 Resp: 211890

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

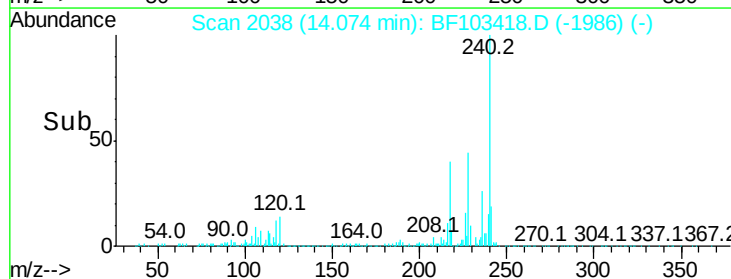
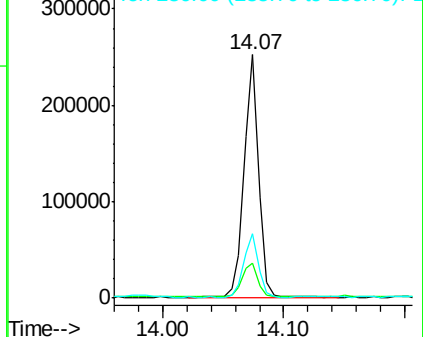
236 26.6 20.7 31.1

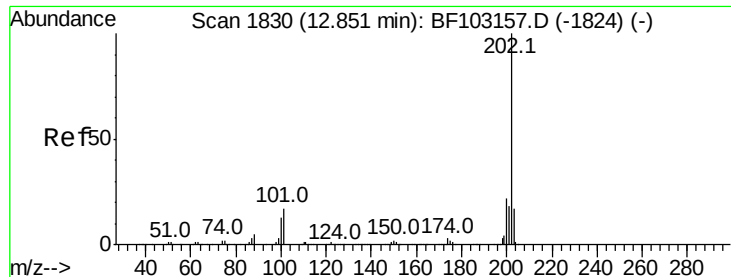


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 78.746 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampled :

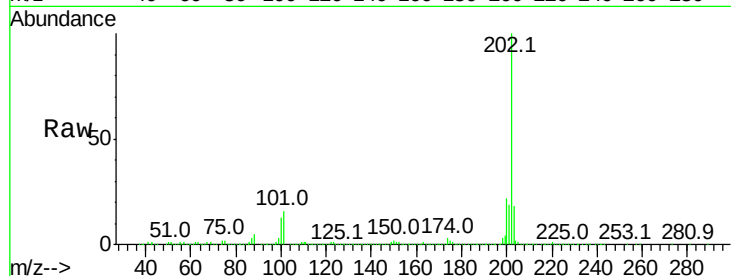
Tot Ion:202 Resp: 1300899

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

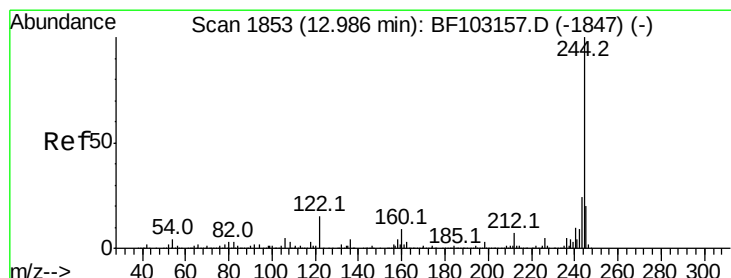
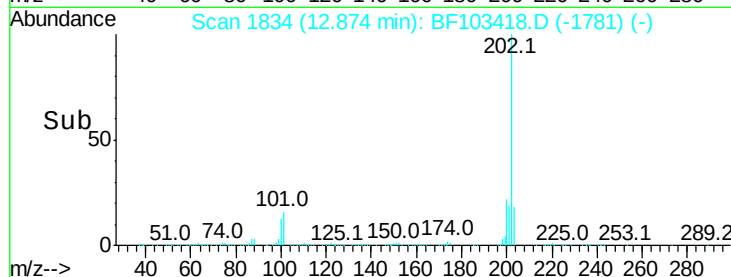
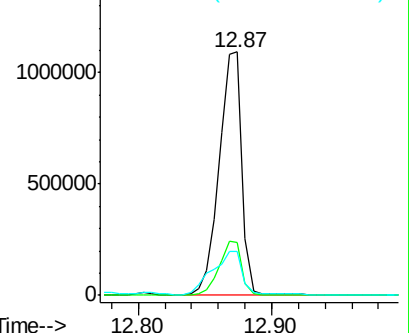
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.004 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

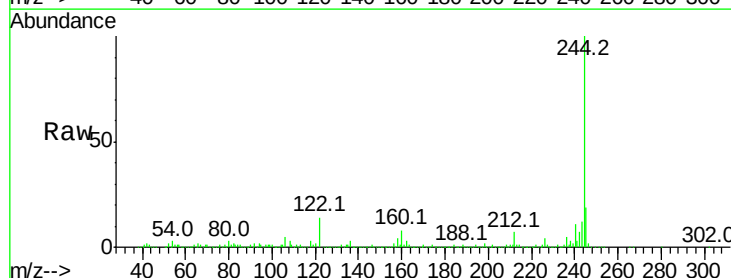
Tgt Ion:244 Resp: 696386

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

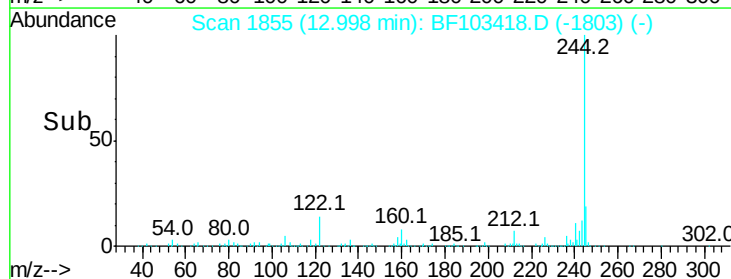
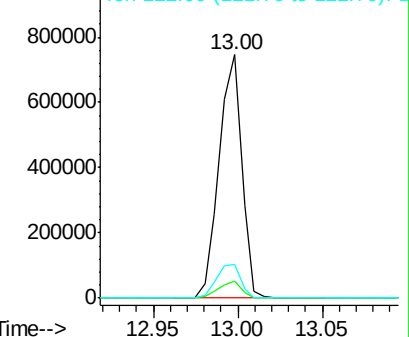
122 13.8 11.0 16.4



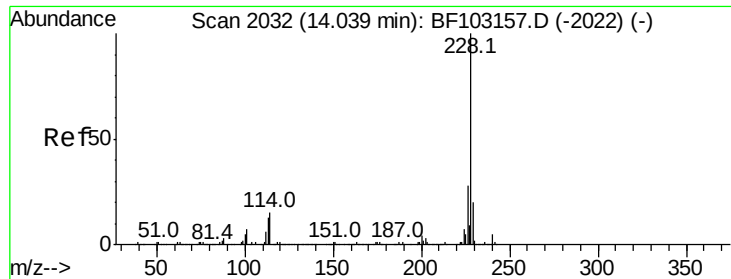
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



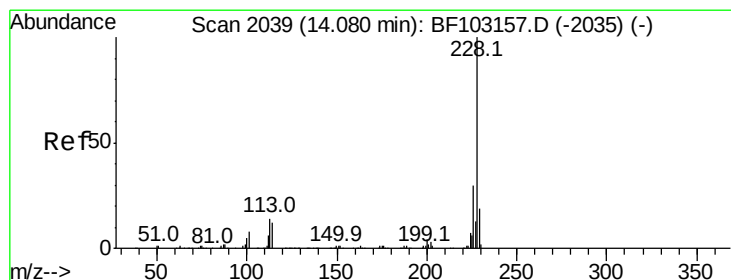
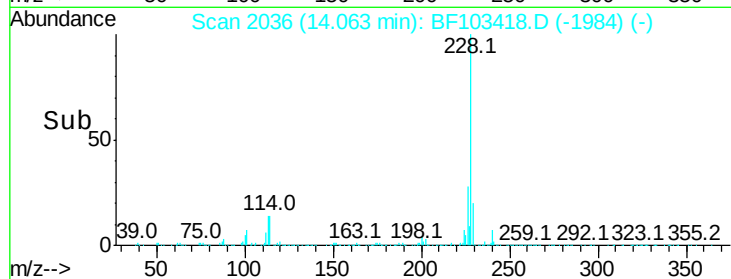
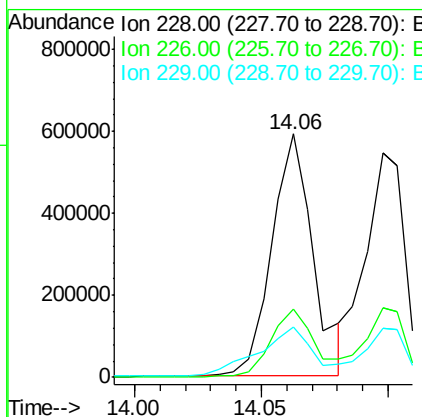
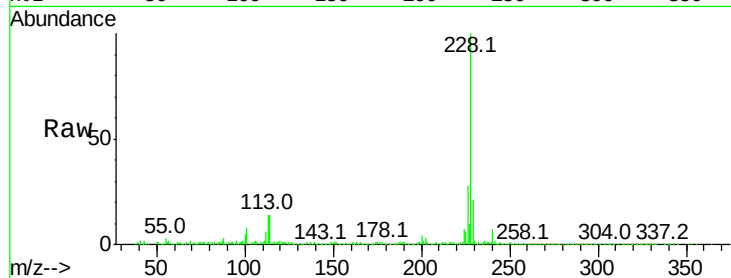




#80  
Benzo(a)anthracene  
Concen: 49.094 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. 0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

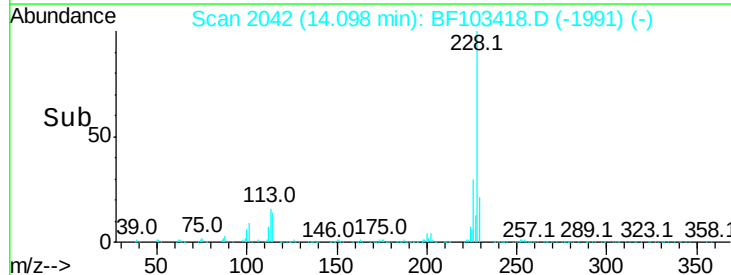
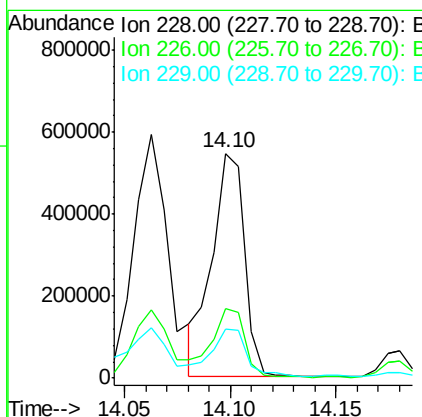
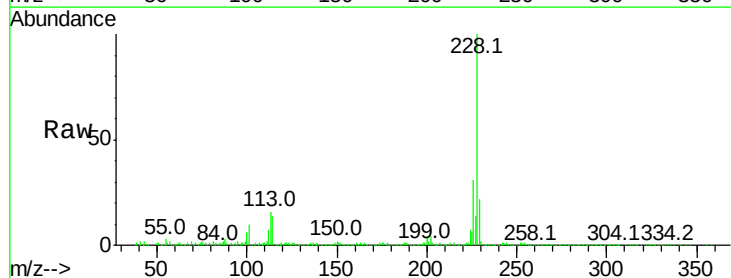
Instrument :  
BNA\_F  
ClientSampleId :

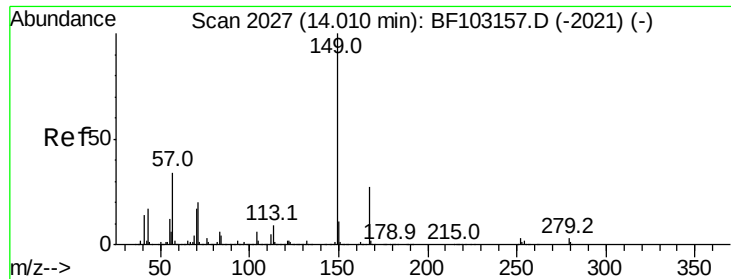
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.6  | 33.8  |
| 229     | 20.5  | 15.8  | 23.6  |



#82  
Chrysene  
Concen: 44.109 ng  
RT: 14.10 min Scan# 2042  
Delta R.T. 0.00 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 25.0  | 37.6  |
| 229     | 21.9  | 16.2  | 24.4  |

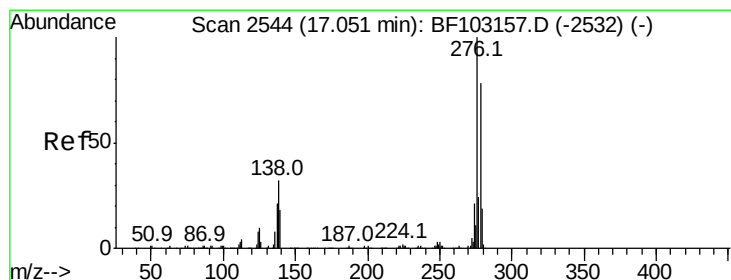
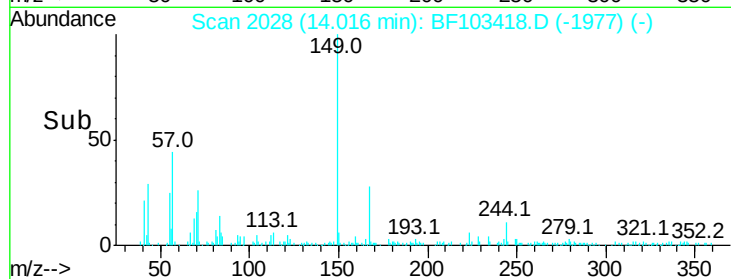
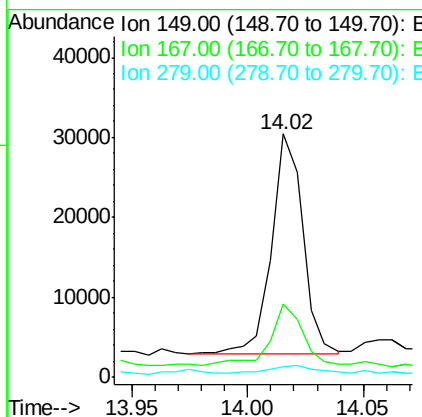
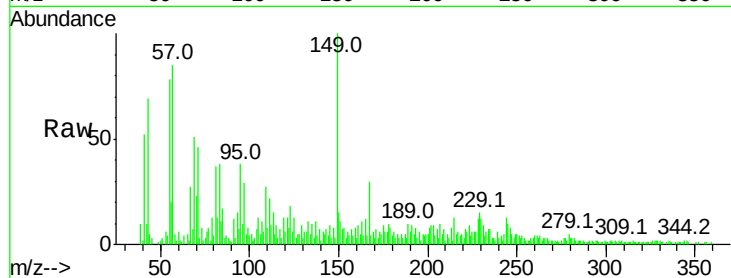




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.190 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. 0.00 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

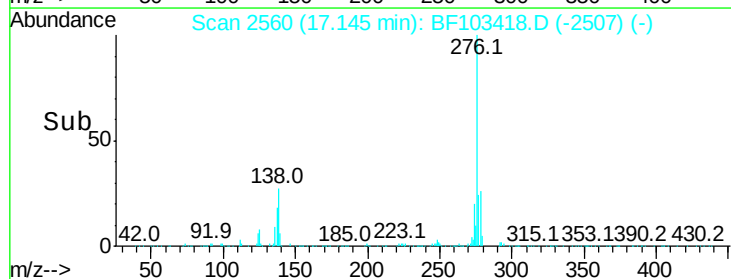
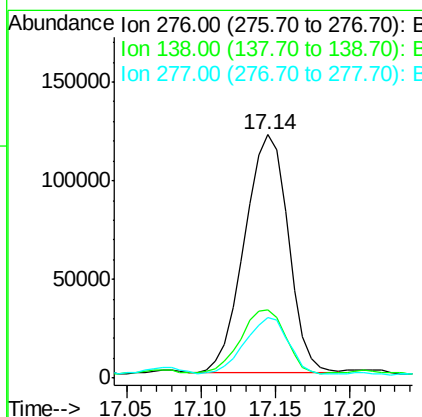
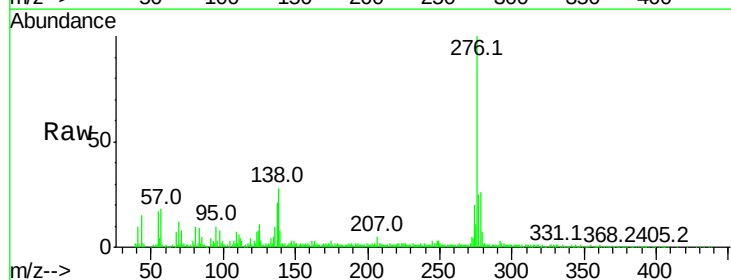
Instrument :  
 BNA\_F  
 ClientSampleId :

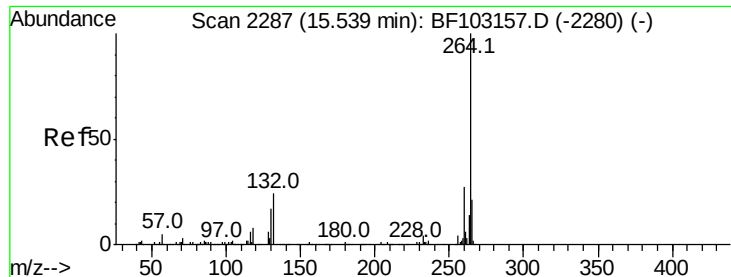
Tot Ion:149 Resp: 25791  
 Ion Ratio Lower Upper  
 149 100  
 167 30.2 21.3 31.9  
 279 4.5 3.0 4.4#



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 23.307 ng  
 RT: 17.14 min Scan# 2560  
 Delta R.T. 0.01 min  
 Lab File: BF103418.D  
 Acq: 5 Mar 2018 19:37

Tgt Ion:276 Resp: 246318  
 Ion Ratio Lower Upper  
 276 100  
 138 27.7 25.0 37.6  
 277 24.1 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.02 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

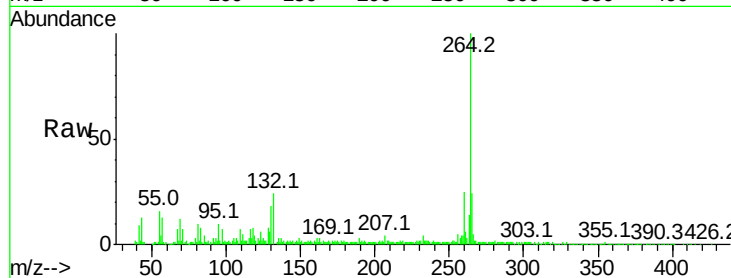
Tot Ion:264 Resp: 198617

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

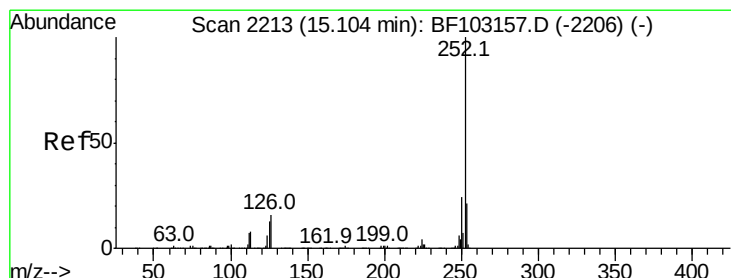
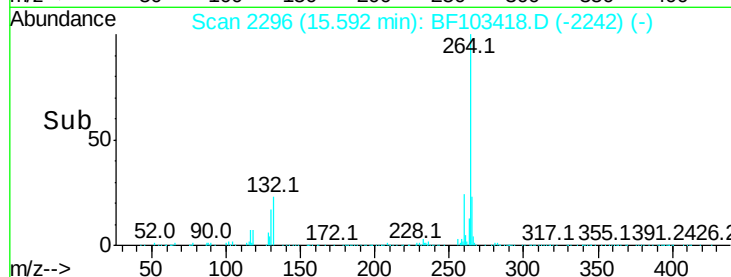
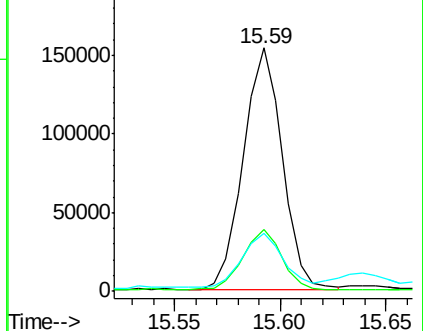
265 23.9 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 69.777 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.02 min

Lab File: BF103418.D

Acq: 5 Mar 2018 19:37

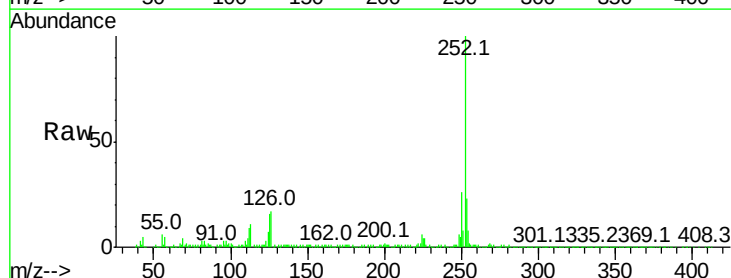
Tgt Ion:252 Resp: 911215

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

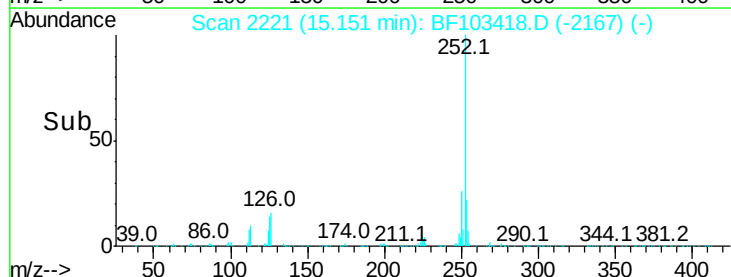
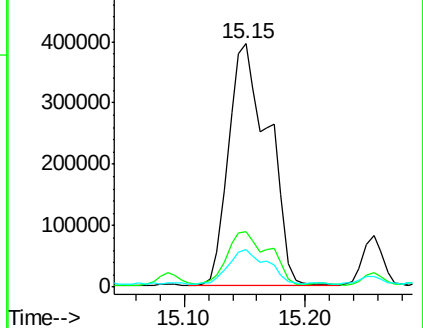
125 15.6 9.0 13.6#

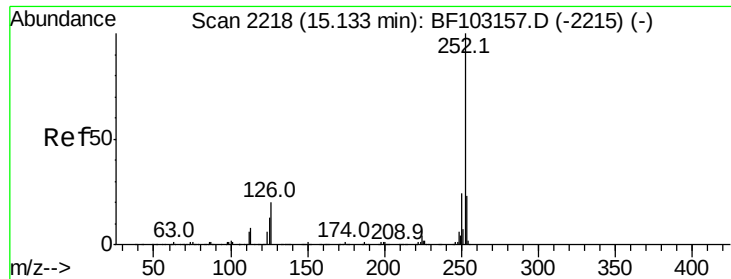


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

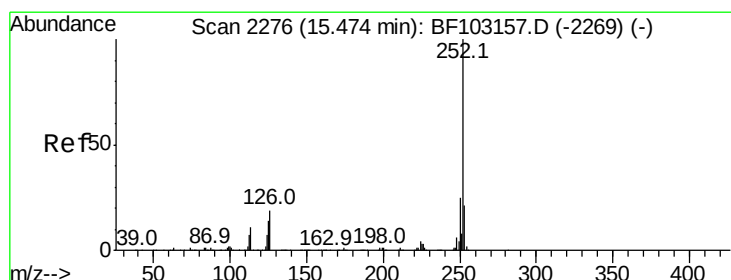
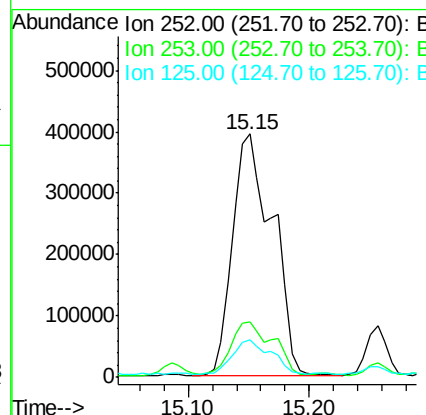
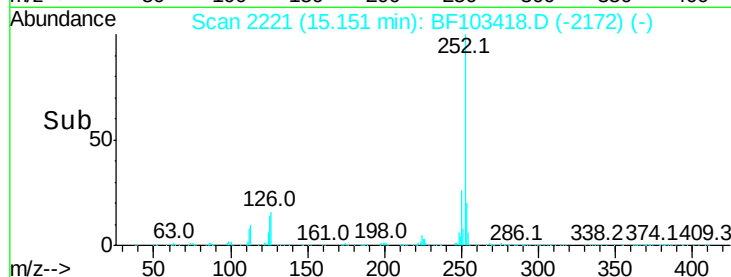
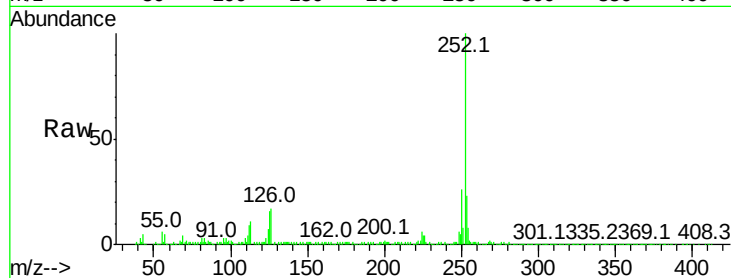




#88  
Benzo(k)fluoranthene  
Concen: 74.100 ng  
RT: 15.15 min Scan# 2221  
Delta R.T. -0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

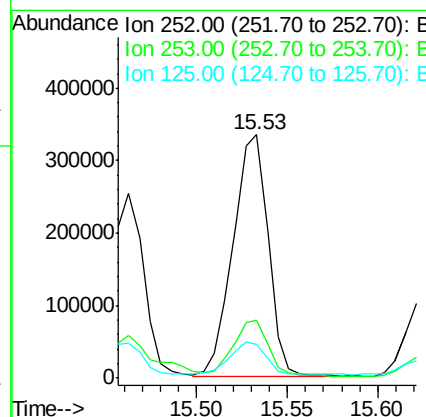
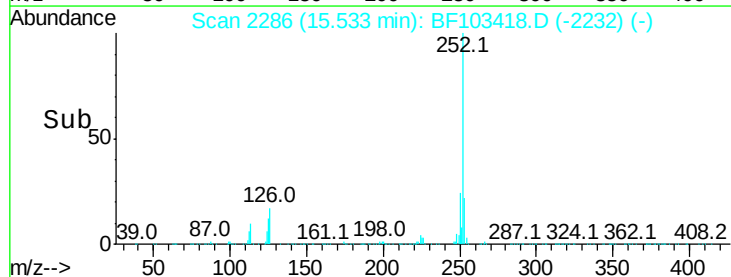
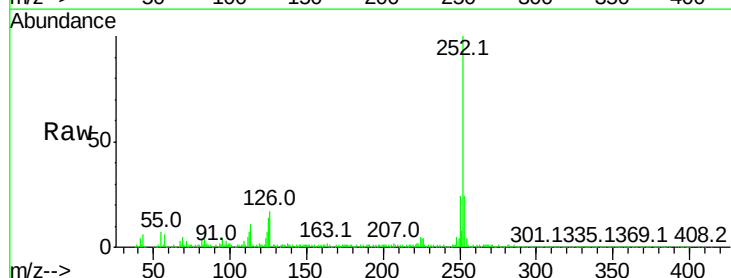
Instrument :  
BNA\_F  
ClientSampleId :

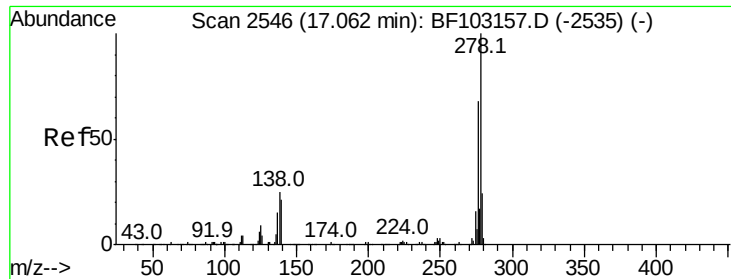
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.9  | 26.9  |
| 125     | 15.6  | 10.2  | 15.2# |



#89  
Benzo(a)pyrene  
Concen: 38.930 ng  
RT: 15.53 min Scan# 2286  
Delta R.T. 0.02 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.1  | 25.7  |
| 125     | 13.9  | 9.8   | 14.6  |

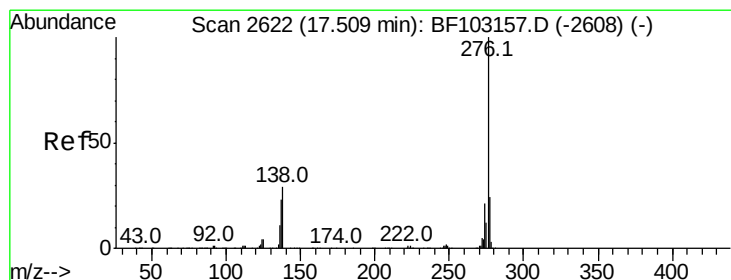
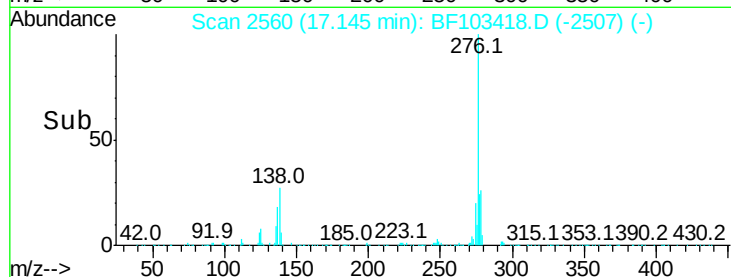
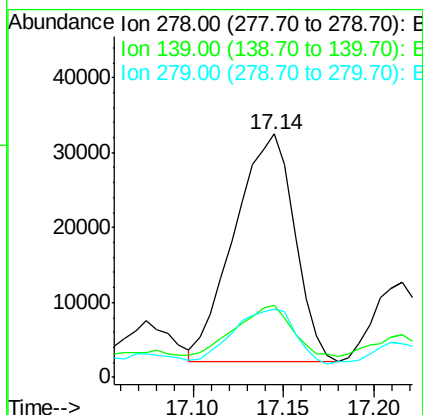
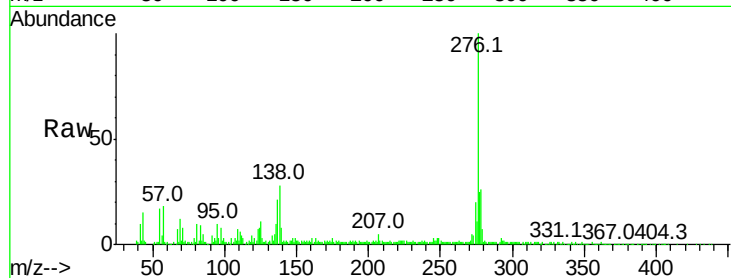




#90  
Dibenzo(a,h)anthracene  
Concen: 7.769 ng  
RT: 17.14 min Scan# 2560  
Delta R.T. 0.01 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:278 Resp: 70005  
Ion Ratio Lower Upper  
278 100  
139 29.4 15.9 23.9#  
279 27.9 19.0 28.4



#91  
Benzo(g,h,i)perylene  
Concen: 26.076 ng  
RT: 17.62 min Scan# 2641  
Delta R.T. 0.03 min  
Lab File: BF103418.D  
Acq: 5 Mar 2018 19:37

Tgt Ion:276 Resp: 229648  
Ion Ratio Lower Upper  
276 100  
277 24.2 17.9 26.9  
138 29.8 21.8 32.8

