

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032018\  
 Data File : BF103802.D  
 Acq On : 20 Mar 2018 15:19  
 Operator : JU/SJ  
 Sample : J1821-03RE  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 20 17:53:38 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  | 189236   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.25  | 136  | 711913   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.01 | 164  | 336363   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 634731   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 478462   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.70 | 264  | 376588   | 20.00 | ng    | 0.02     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.59  | 112 | 19350   | 1.56  | ng | 0.00 |
| 7) Phenol-d6                | 6.58  | 99  | 199189  | 13.09 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.53  | 82  | 453720  | 44.44 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330 | 985     | 0.34  | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.33  | 172 | 939829  | 44.57 | ng | 0.00 |
| 78) Terphenyl-d14           | 13.10 | 244 | 1138205 | 55.22 | ng | 0.01 |

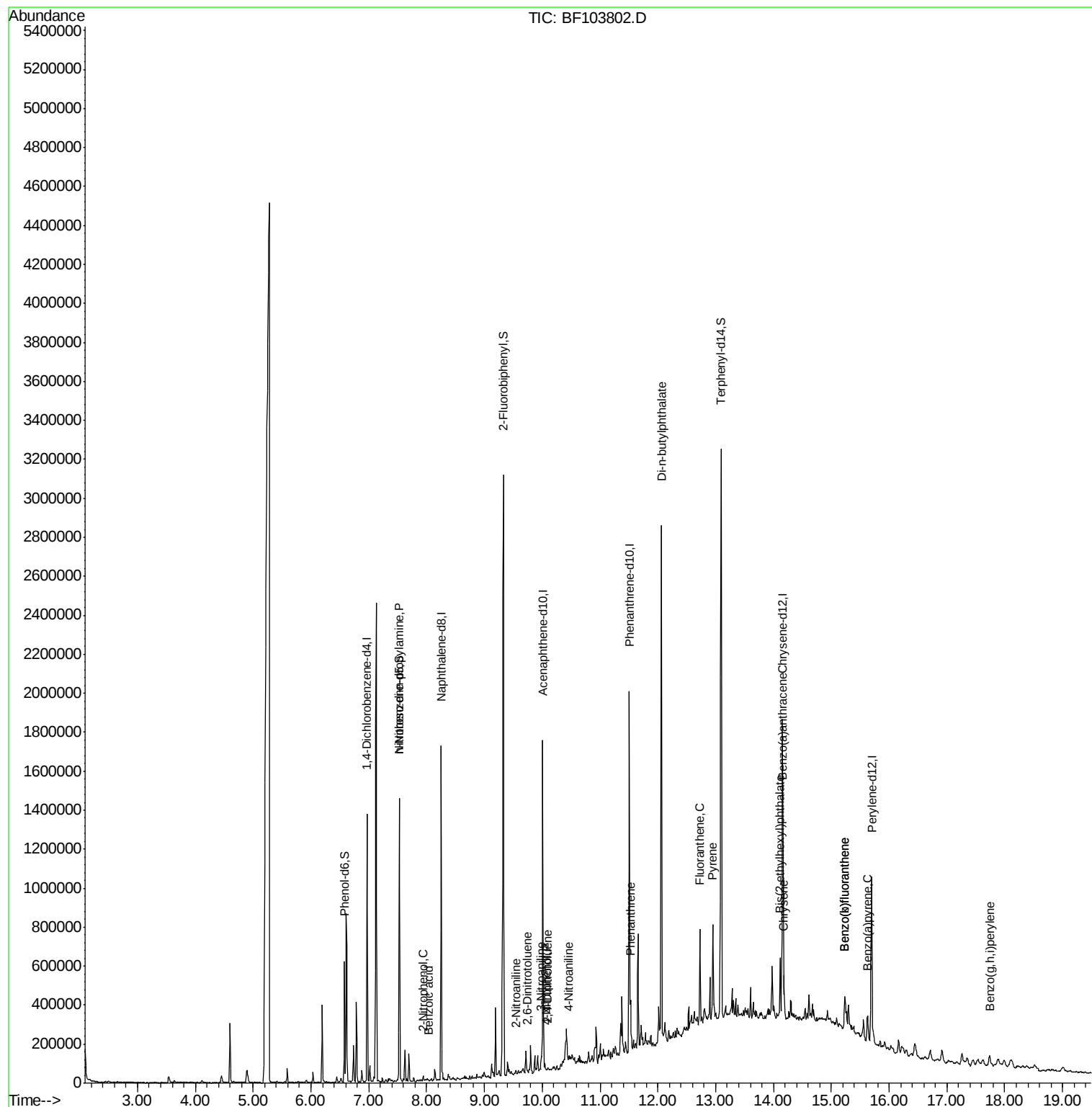
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70  | 61177   | 6.271  | ng | # 73 |
| 26) 2-Nitrophenol              | 7.95  | 139 | 299     | 9.499  | ng | # 1  |
| 32) Benzoic acid               | 8.02  | 122 | 962     | 10.012 | ng | # 47 |
| 47) 2-Nitroaniline             | 9.56  | 65  | 809     | 6.933  | ng | # 32 |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165 | 2283    | 4.405  | ng | # 24 |
| 52) 3-Nitroaniline             | 9.98  | 138 | 1409    | 4.032  | ng | # 1  |
| 55) 4-Nitrophenol              | 10.07 | 139 | 124     | 4.995  | ng | # 1  |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165 | 1697    | 6.448  | ng | # 63 |
| 61) 4-Nitroaniline             | 10.47 | 138 | 1196    | 3.942  | ng | 96   |
| 70) Phenanthrene               | 11.53 | 178 | 77294   | 2.226  | ng | 98   |
| 73) Di-n-butylphthalate        | 12.06 | 149 | 1513612 | 36.803 | ng | 99   |
| 74) Fluoranthene               | 12.73 | 202 | 171795  | 4.803  | ng | 99   |
| 77) Pvrene                     | 12.95 | 202 | 166104  | 4.727  | ng | 97   |
| 80) Benzo(a)anthracene         | 14.14 | 228 | 86616   | 2.860  | ng | 95   |
| 82) Chrysene                   | 14.18 | 228 | 83161   | 2.880  | ng | 96   |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 88655   | 3.986  | ng | 99   |
| 87) Benzo(b)fluoranthene       | 15.23 | 252 | 124465  | 5.231  | ng | # 90 |
| 88) Benzo(k)fluoranthene       | 15.23 | 252 | 124465  | 5.442  | ng | # 93 |
| 89) Benzo(a)pvrene             | 15.63 | 252 | 65237   | 3.023  | ng | # 91 |
| 91) Benzo(a,h,i)perylene       | 17.74 | 276 | 42784   | 2.354  | ng | 97   |

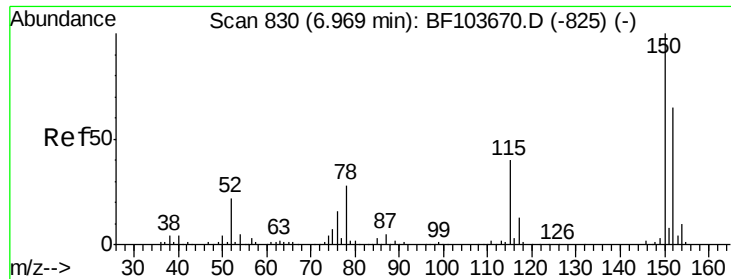
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032018\  
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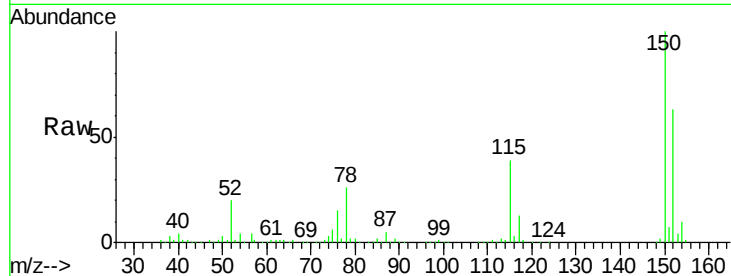


#1

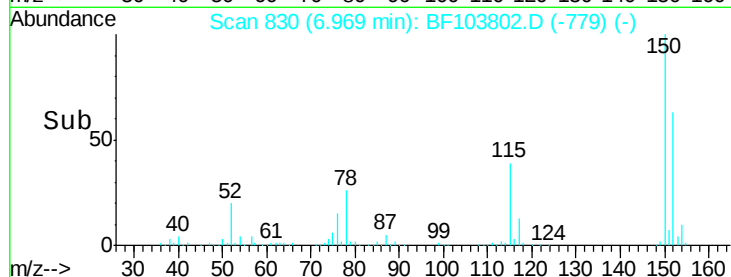
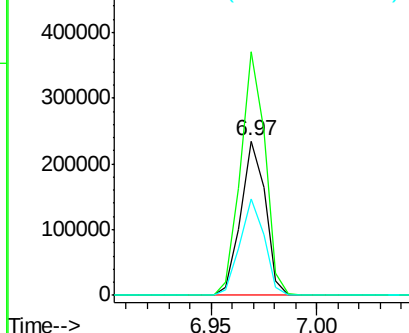
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 189236  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.6 186.8  
115 62.2 50.1 75.1



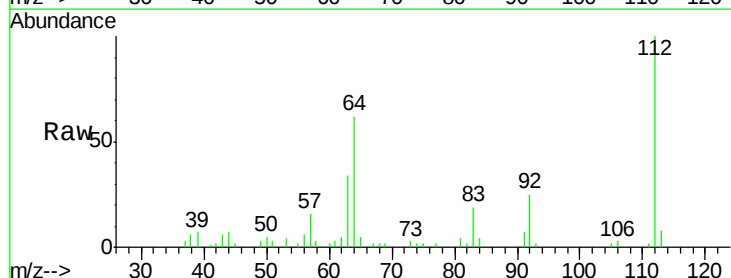
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



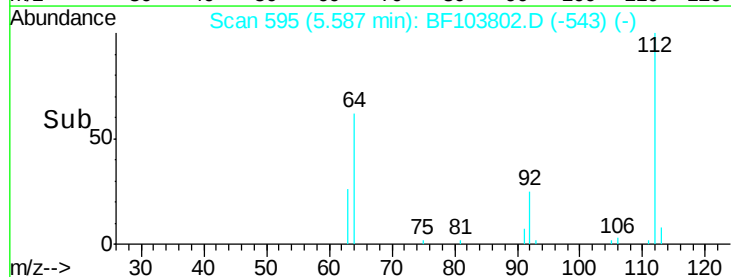
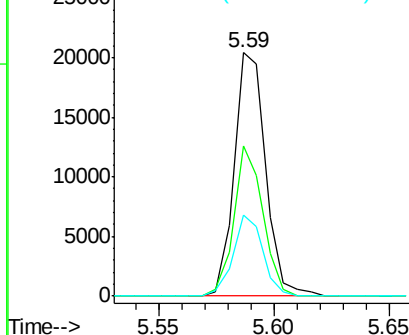
#5

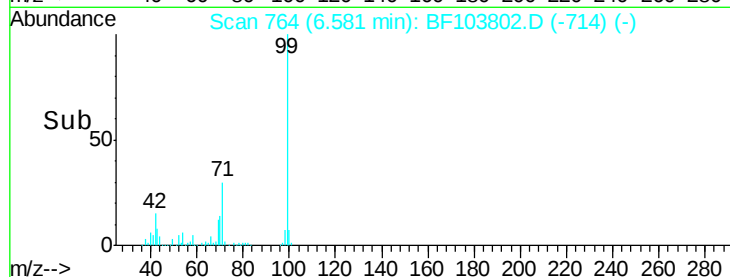
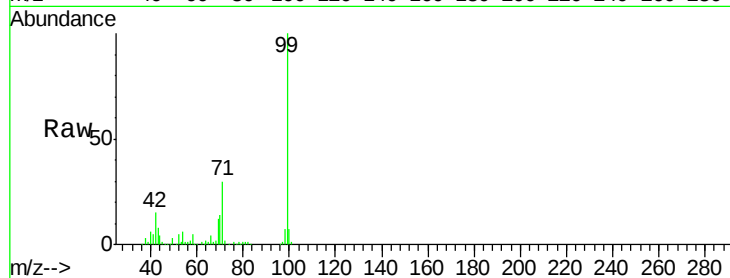
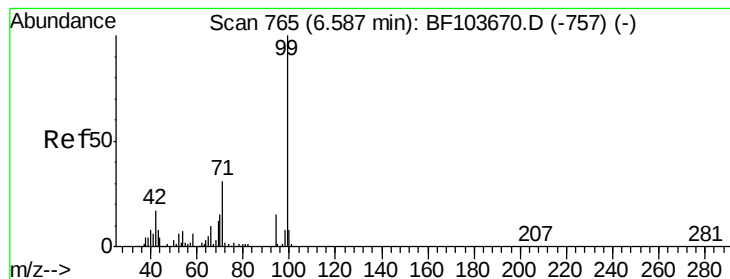
2-Fluorophenol  
Concen: 1.555 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.01 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Tgt Ion:112 Resp: 19350  
Ion Ratio Lower Upper  
112 100  
64 61.6 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: 13.086 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

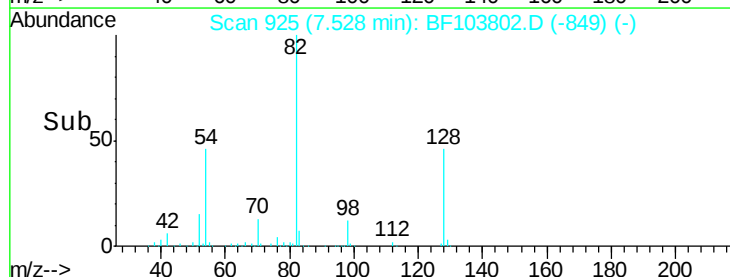
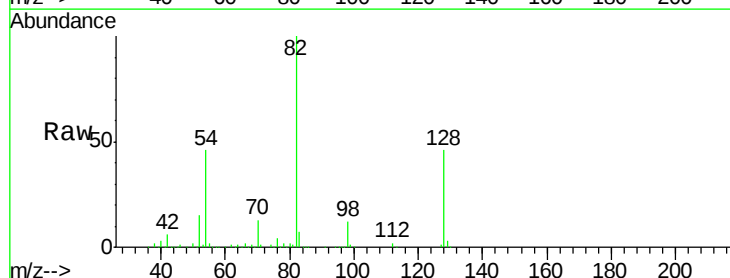
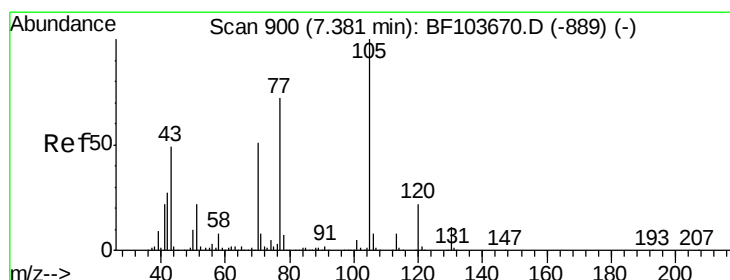
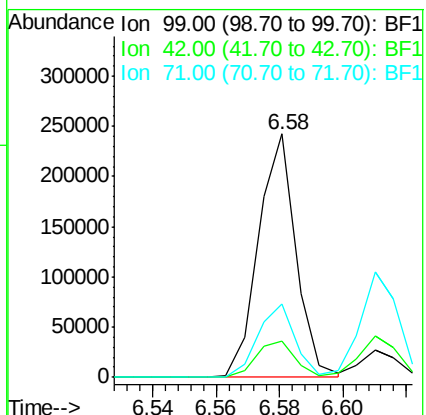
Tot Ion: 99 Resp: 199189

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 30.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.271 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Tgt Ion: 70 Resp: 61177

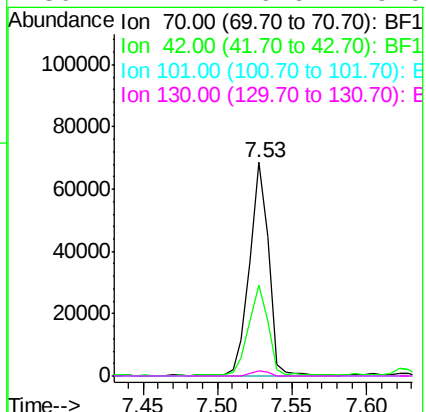
Ion Ratio Lower Upper

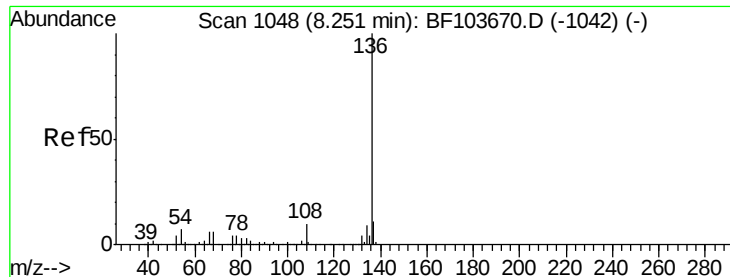
70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 711913

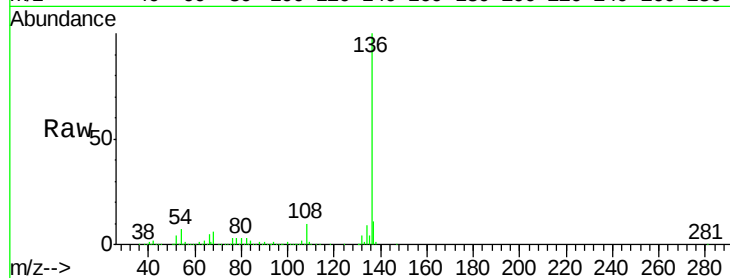
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 6.6 9.8

68 6.4 5.0 7.4

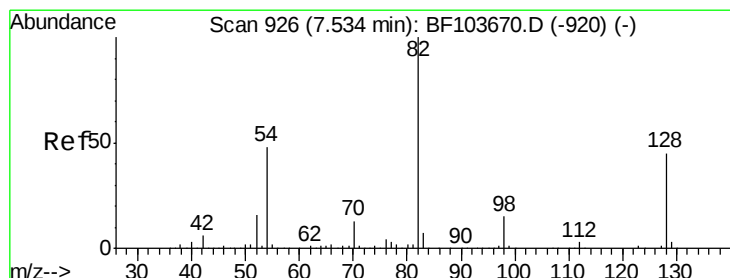
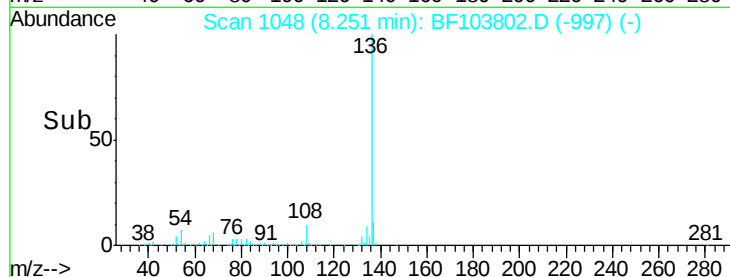
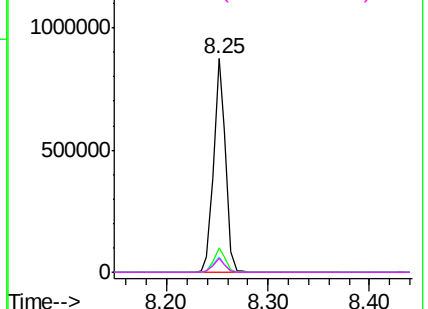


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 44.444 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

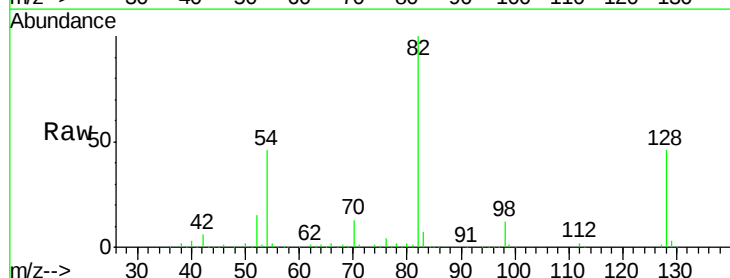
Tgt Ion: 82 Resp: 453720

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

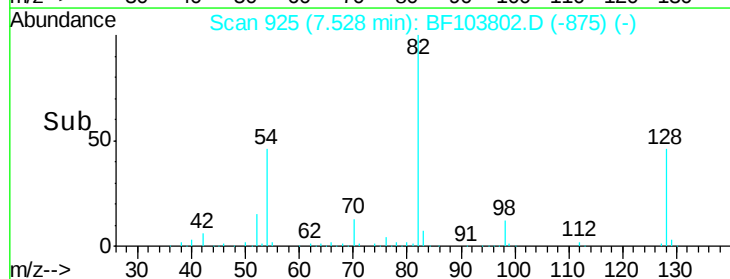
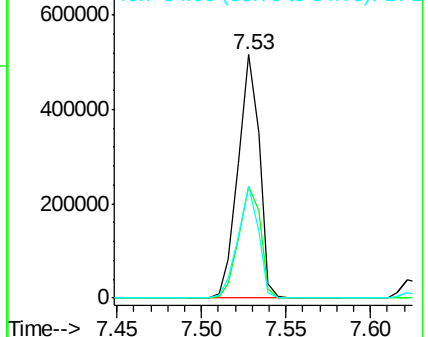
54 46.2 41.4 62.2

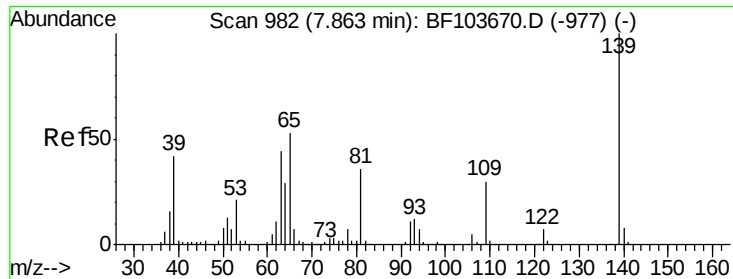


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

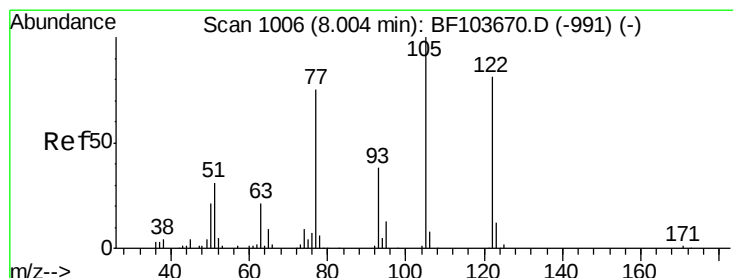
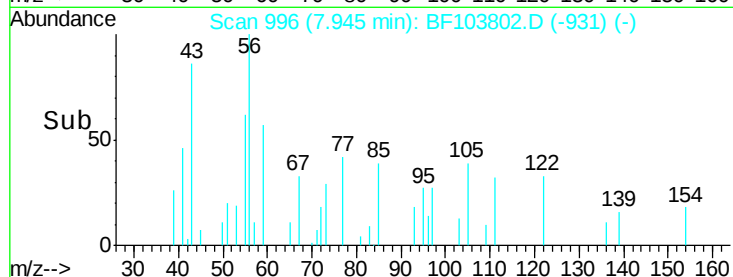
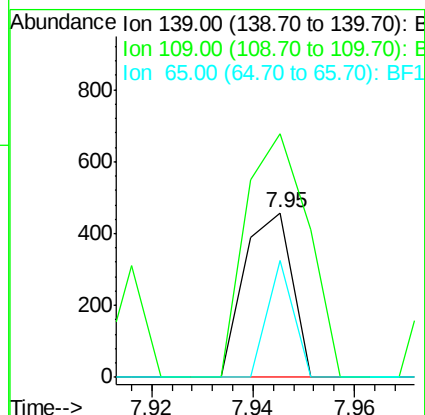
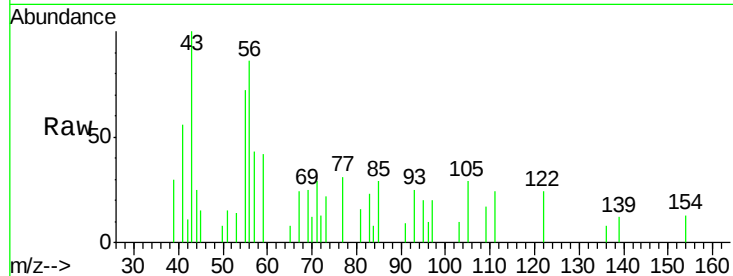




#26  
2-Nitrophenol  
Concen: 9.499 ng  
RT: 7.95 min Scan# 996  
Delta R.T. 0.08 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

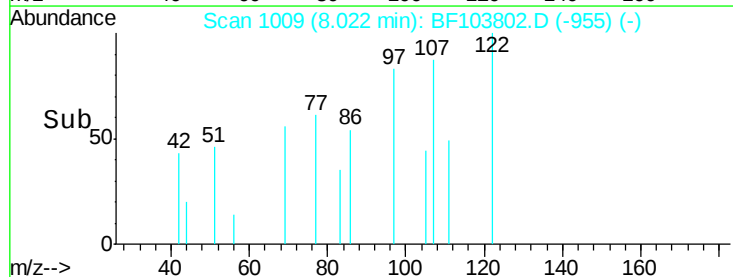
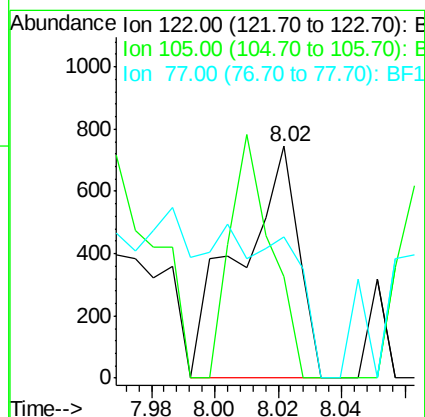
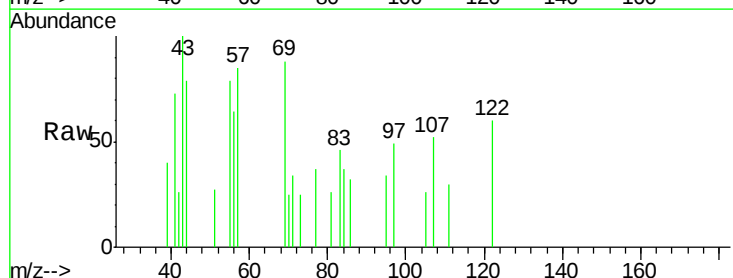
Instrument :  
BNA\_F  
ClientSampled :

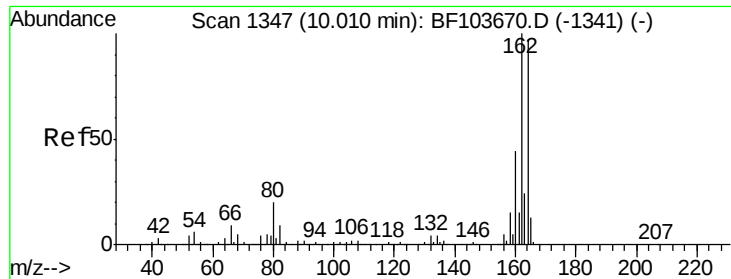
Tot Ion:139 Resp: 299  
Ion Ratio Lower Upper  
139 100  
109 147.8 22.7 34.1#  
65 71.2 40.5 60.7#



#32  
Benzoic acid  
Concen: 10.012 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. 0.02 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Tgt Ion:122 Resp: 962  
Ion Ratio Lower Upper  
122 100  
105 43.7 101.1 141.1#  
77 61.2 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

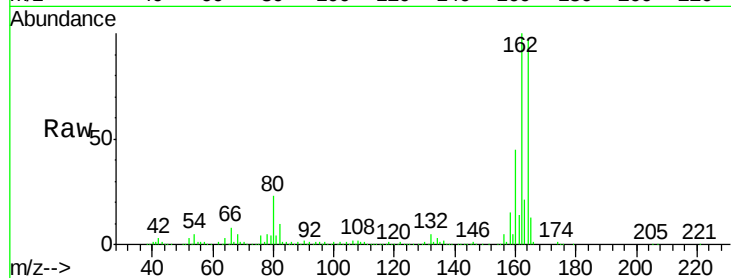
Tot Ion:164 Resp: 336363

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

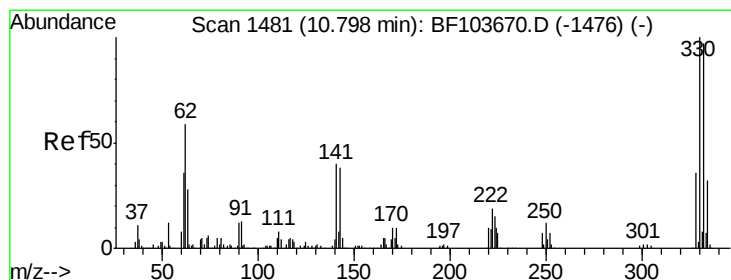
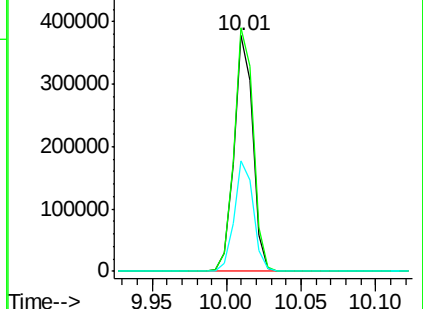
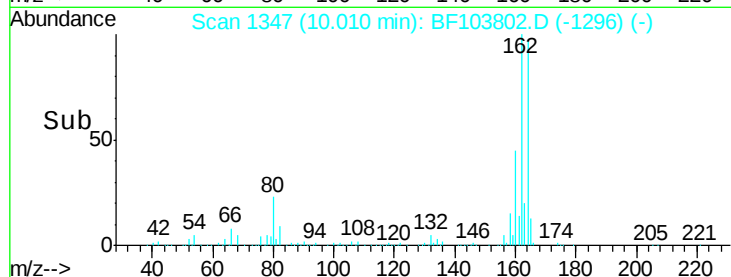
160 46.8 38.3 57.5



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: 0.341 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

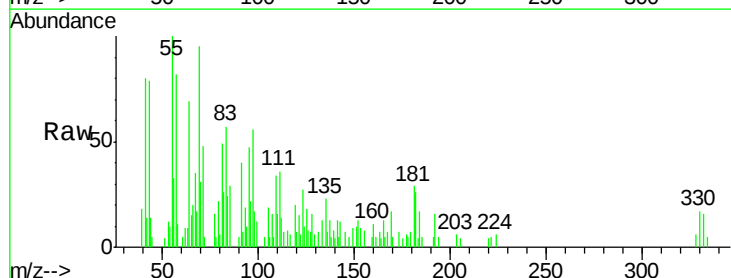
Tgt Ion:330 Resp: 985

Ion Ratio Lower Upper

330 100

332 87.2 77.0 115.6

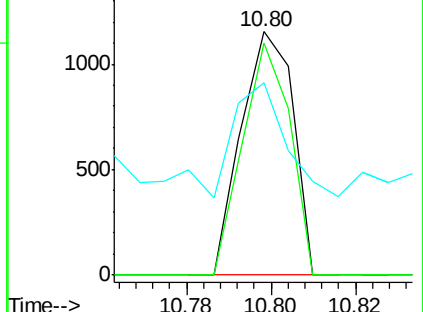
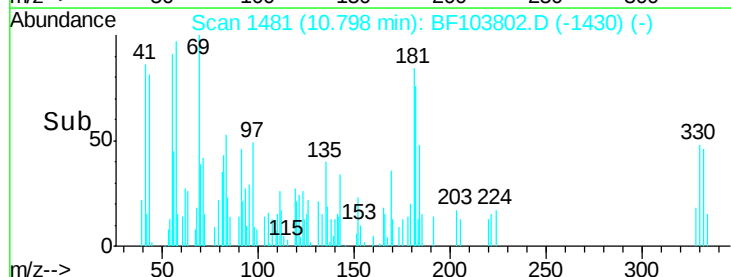
141 49.9 29.9 44.9#

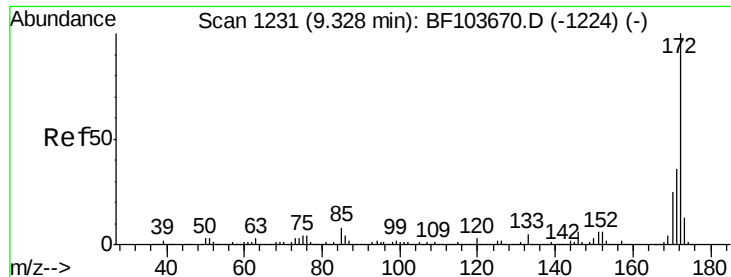


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

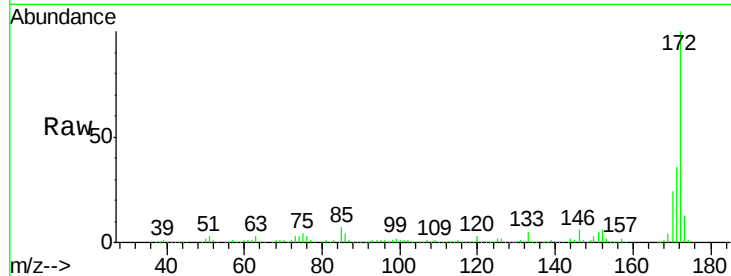




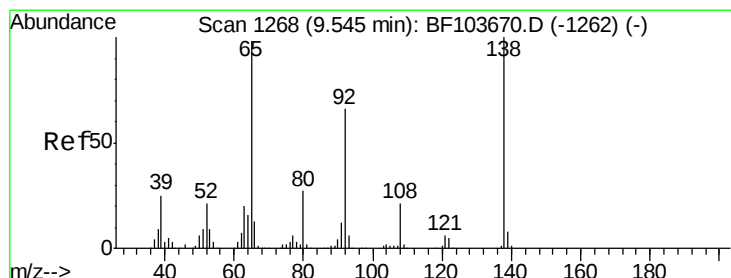
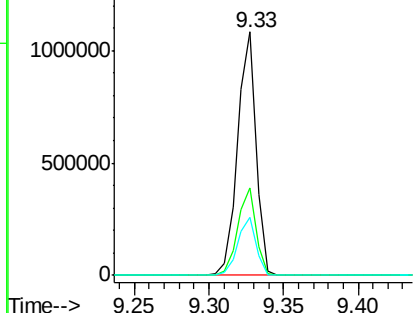
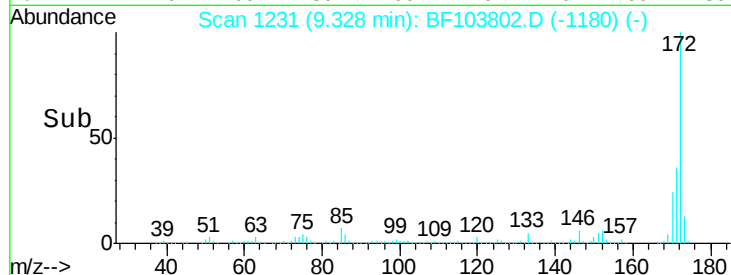
#44  
 2-Fluorobiphenyl  
 Concen: 44.570 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF103802.D  
 Acq: 20 Mar 2018 15:19

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:172 Resp: 939829  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.7 44.5  
 170 24.0 19.6 29.4

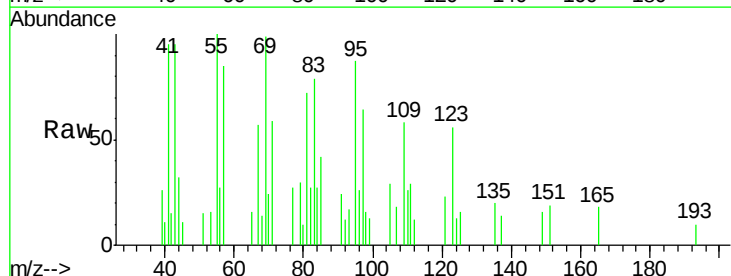


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

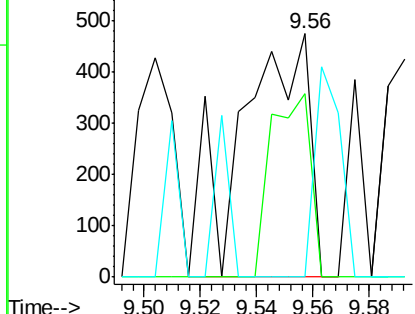
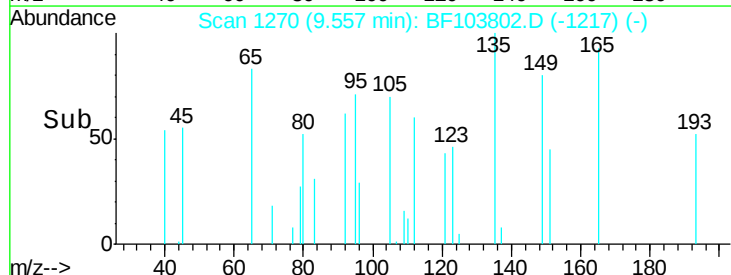


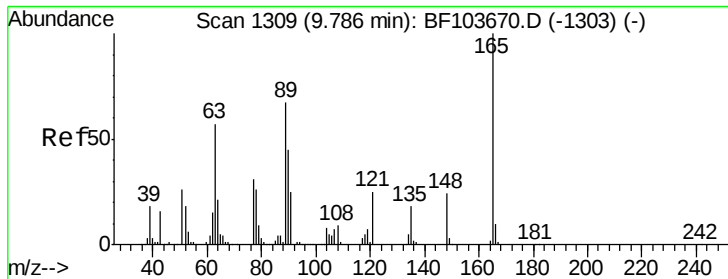
#47  
 2-Nitroaniline  
 Concen: 6.933 ng  
 RT: 9.56 min Scan# 1270  
 Delta R.T. 0.01 min  
 Lab File: BF103802.D  
 Acq: 20 Mar 2018 15:19

Tgt Ion: 65 Resp: 809  
 Ion Ratio Lower Upper  
 65 100  
 92 75.2 55.8 83.6  
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 4.405 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.03 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

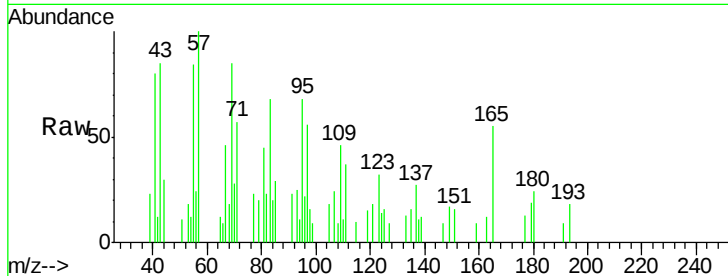
Tot Ion:165 Resp: 2283

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

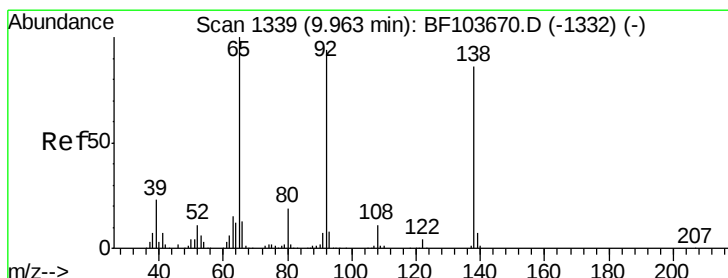
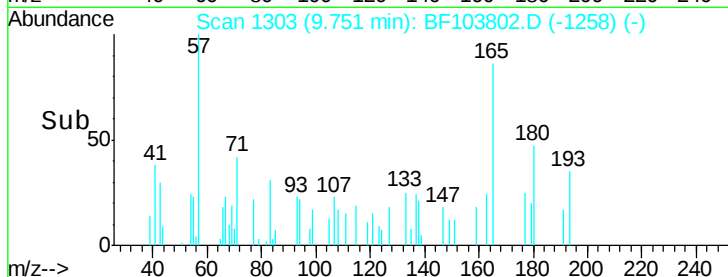
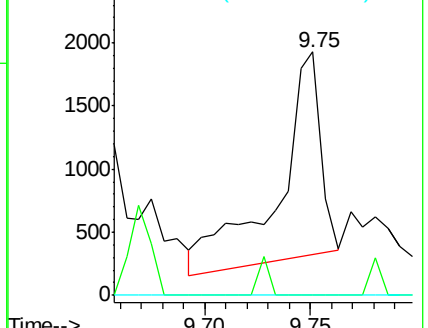
89 0.0 44.0 66.0#



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



#52

3-Nitroaniline

Concen: 4.032 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.02 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

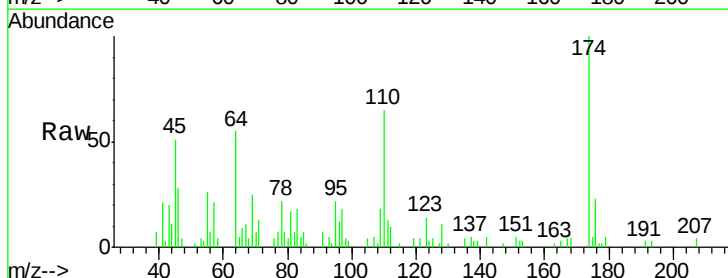
Tgt Ion:138 Resp: 1409

Ion Ratio Lower Upper

138 100

108 69.1 9.4 14.0#

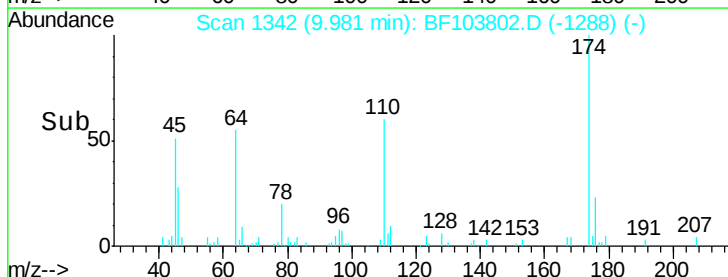
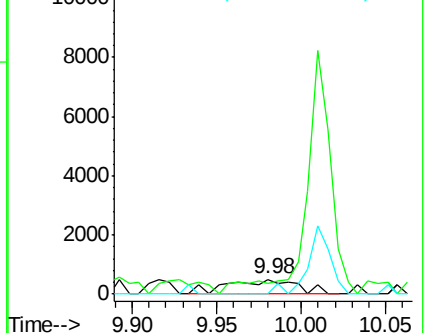
92 0.0 89.4 134.2#

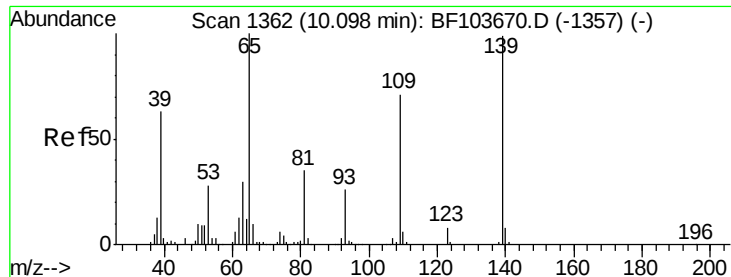


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

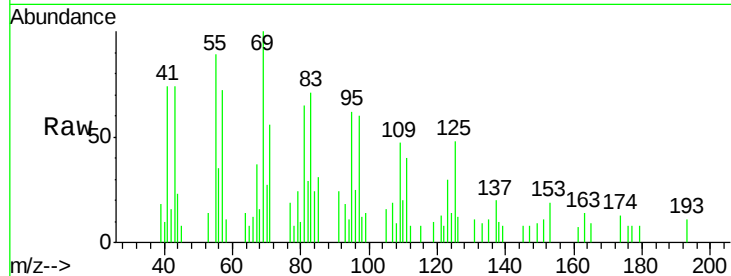




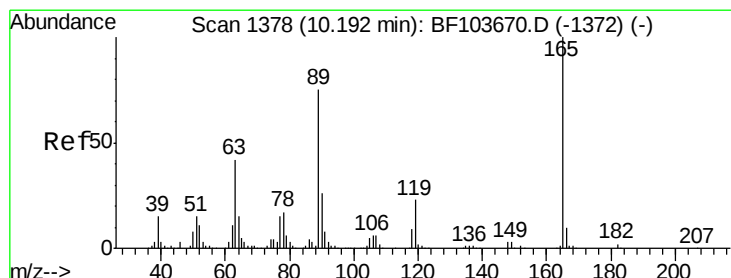
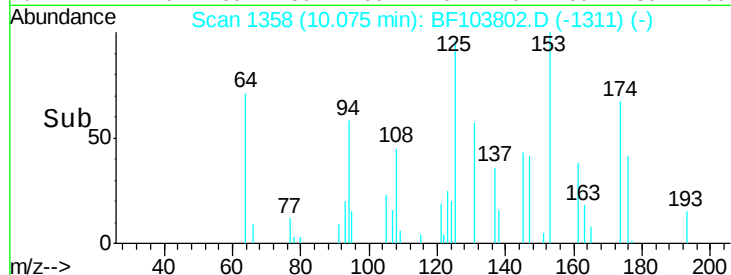
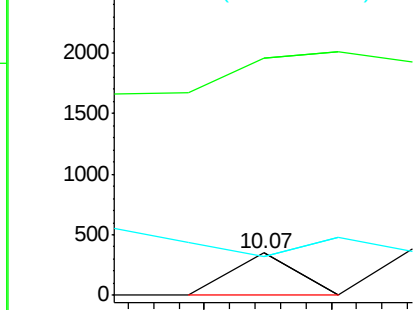
#55  
4-Nitrophenol  
Concen: 4.995 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. -0.02 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 124  
Ion Ratio Lower Upper  
139 100  
109 559.1 48.4 88.4#  
65 92.6 72.6 112.6

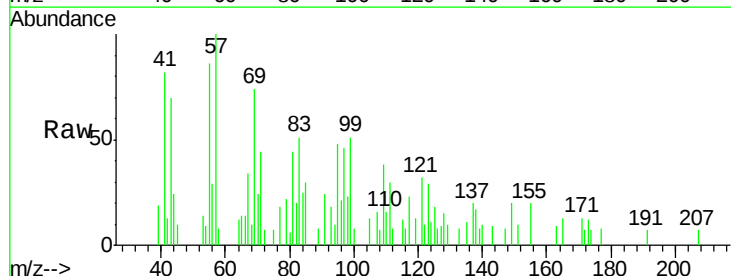


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

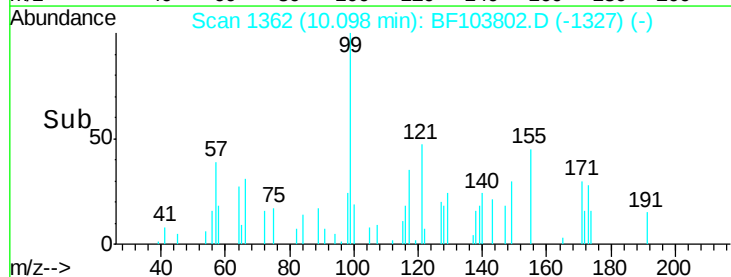
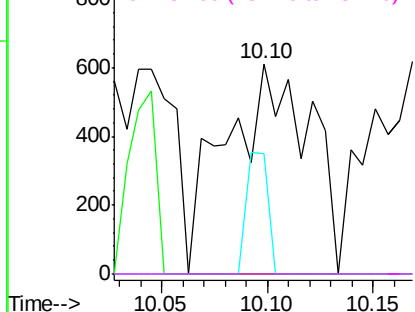


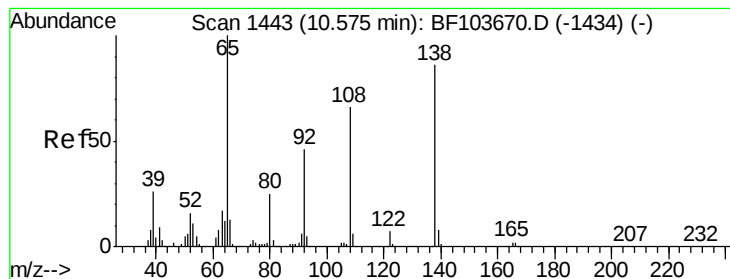
#56  
2,4-Dinitrotoluene  
Concen: 6.448 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.09 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Tgt Ion:165 Resp: 1697  
Ion Ratio Lower Upper  
165 100  
63 0.0 36.4 54.6#  
89 57.4 57.8 86.6#  
182 0.0 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





#61

4-Nitroaniline

Concen: 3.942 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.11 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

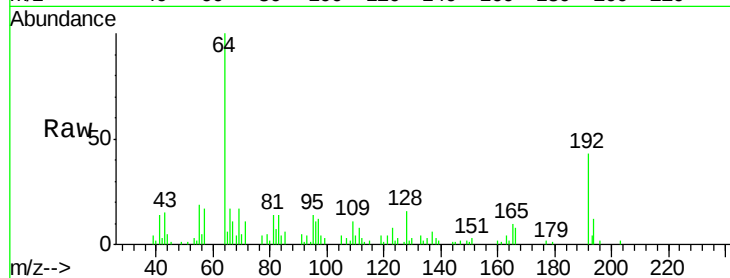
Tot Ion:138 Resp: 1196

Ion Ratio Lower Upper

138 100

92 50.3 30.2 70.2

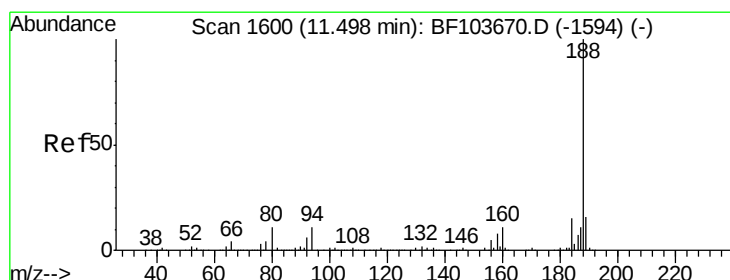
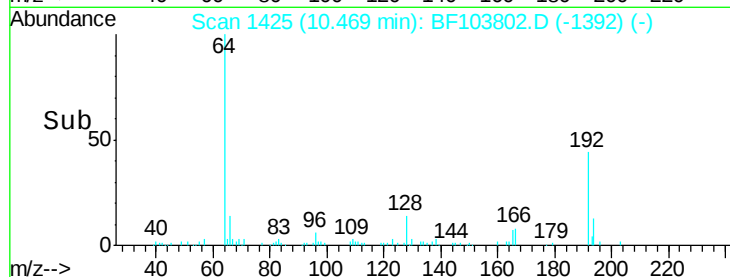
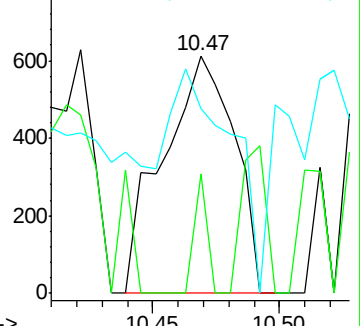
108 77.6 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

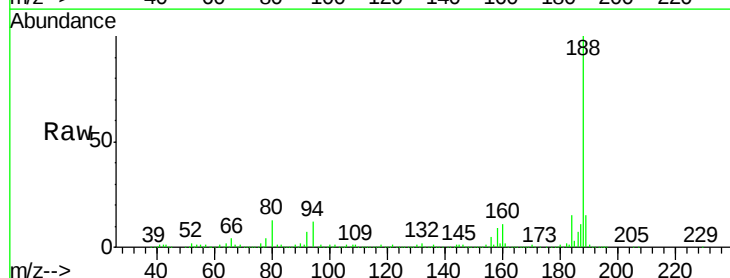
Tgt Ion:188 Resp: 634731

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

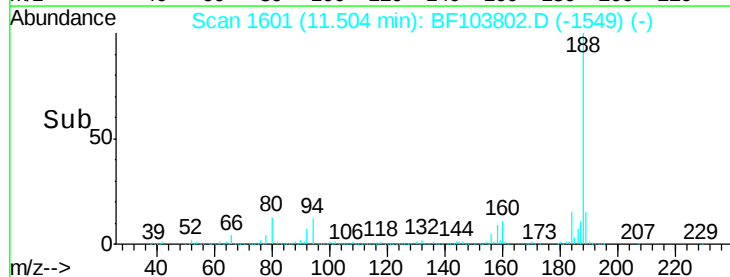
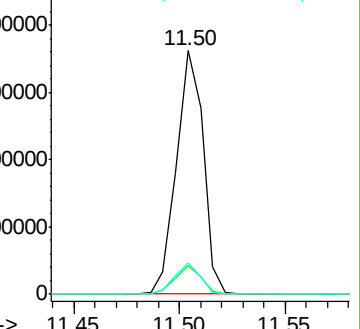
80 13.0 9.2 13.8

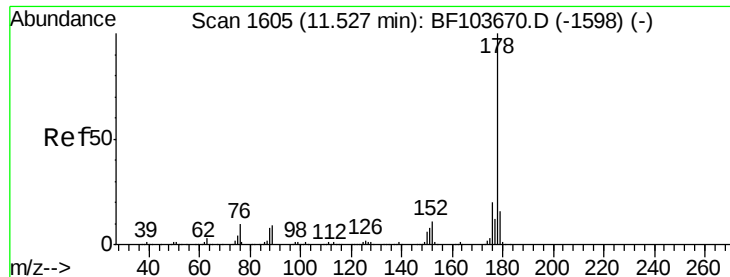


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.226 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

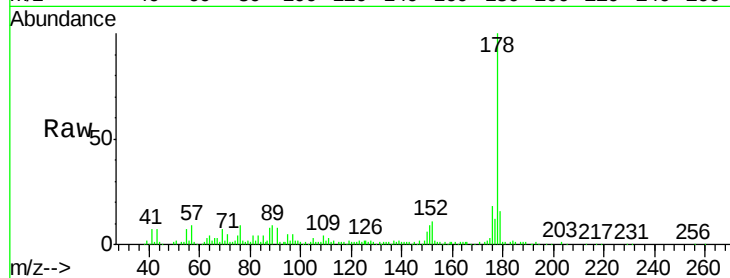
Tot Ion:178 Resp: 77294

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

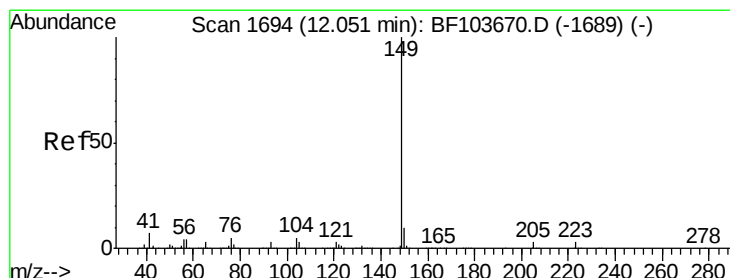
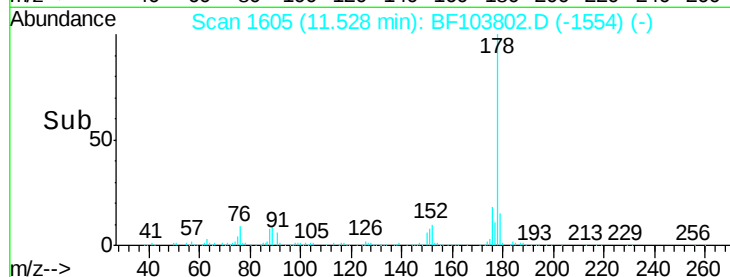
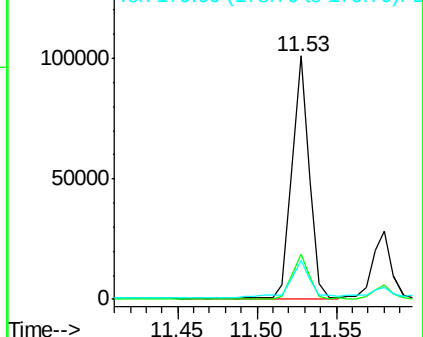
179 16.0 13.0 19.6



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



#73

Di-n-butylphthalate

Concen: 36.803 ng

RT: 12.06 min Scan# 1696

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

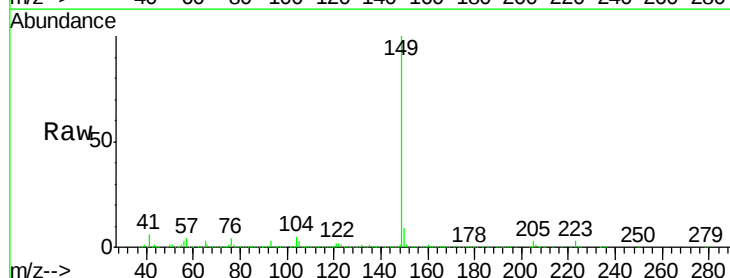
Tgt Ion:149 Resp: 1513612

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

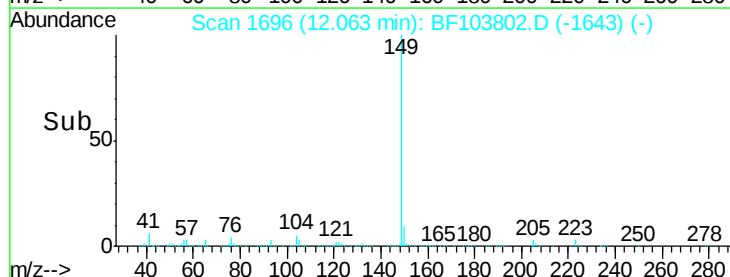
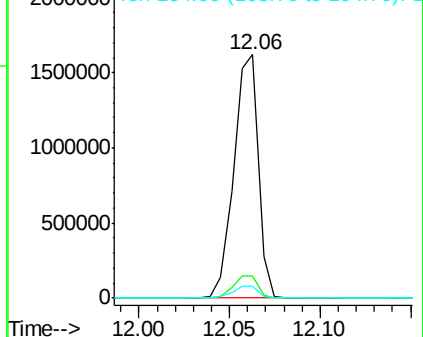
104 4.6 3.8 5.8

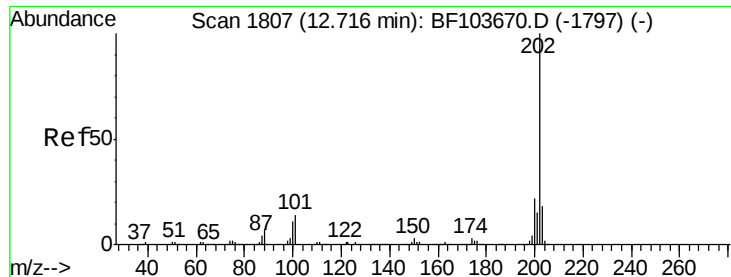


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.803 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

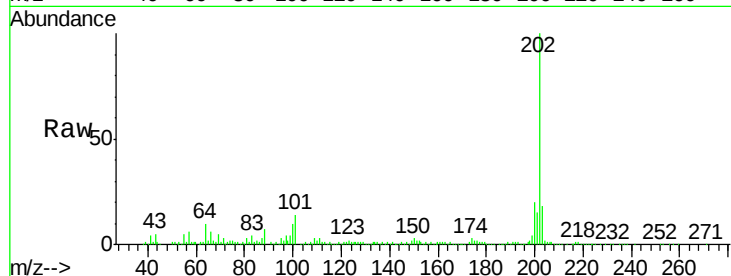
Tot Ion:202 Resp: 171795

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

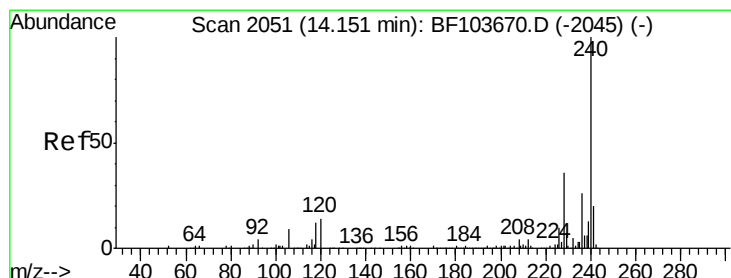
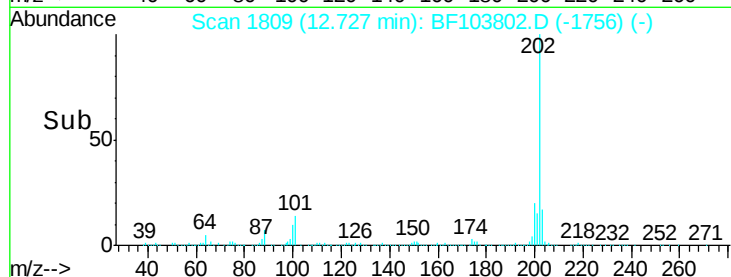
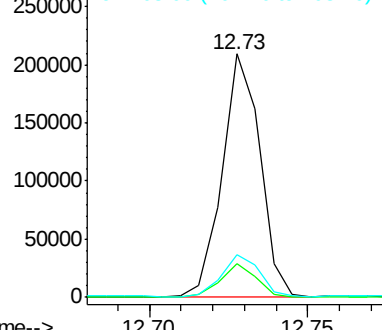
203 17.8 0.0 38.1



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: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

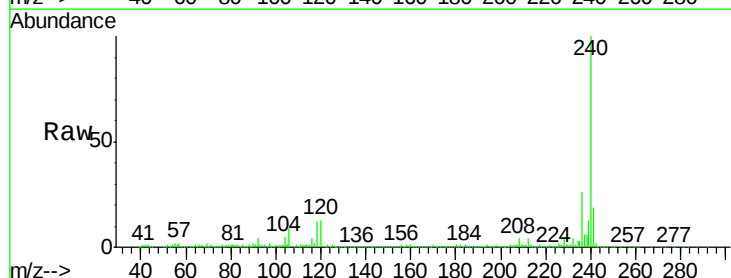
Tgt Ion:240 Resp: 478462

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

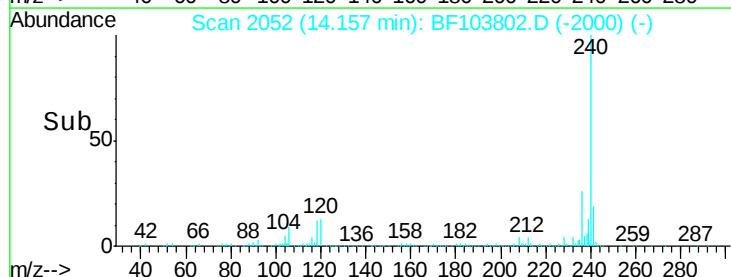
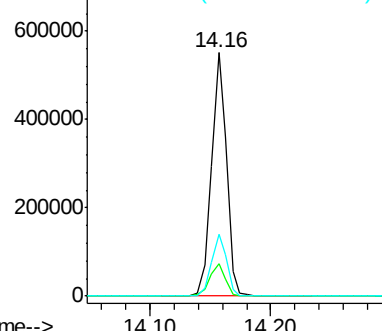
236 25.6 20.7 31.1

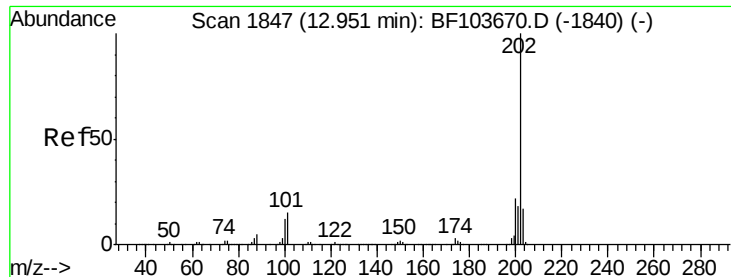


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.727 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

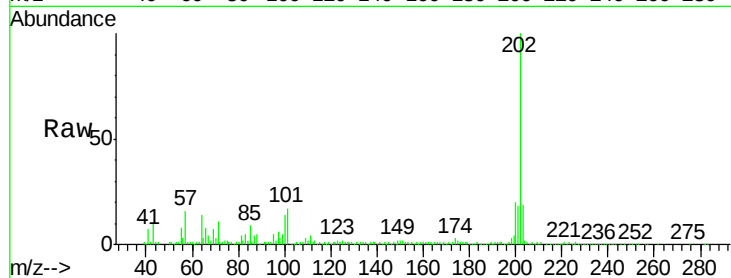
Tot Ion:202 Resp: 166104

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

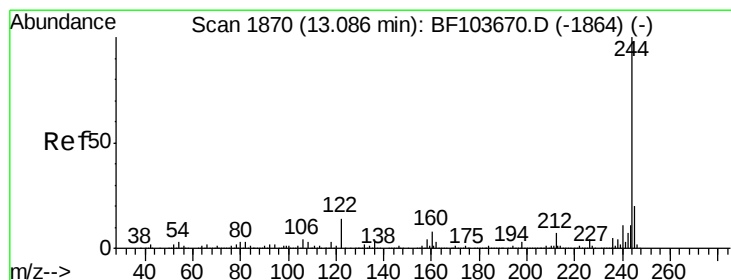
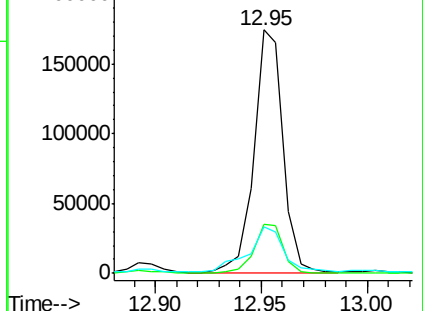
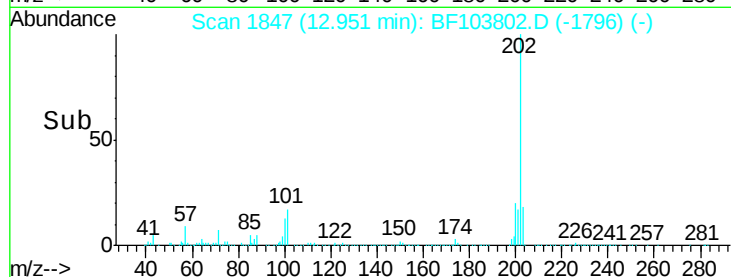
203 18.9 14.3 21.5



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: 55.217 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

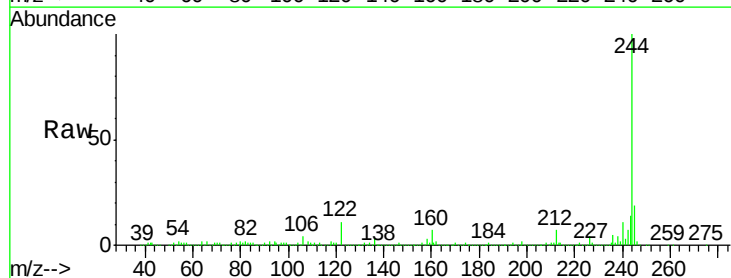
Tgt Ion:244 Resp: 1138205

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

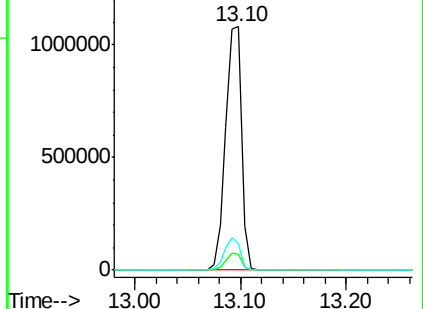
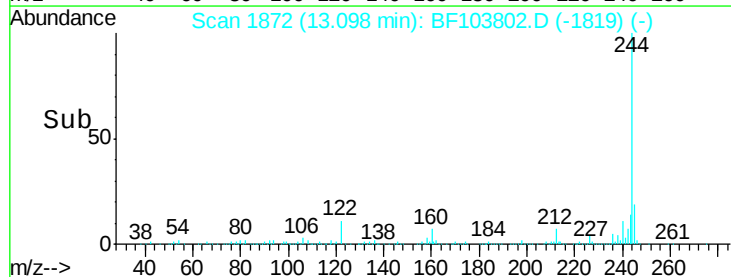
122 10.7 11.0 16.4#

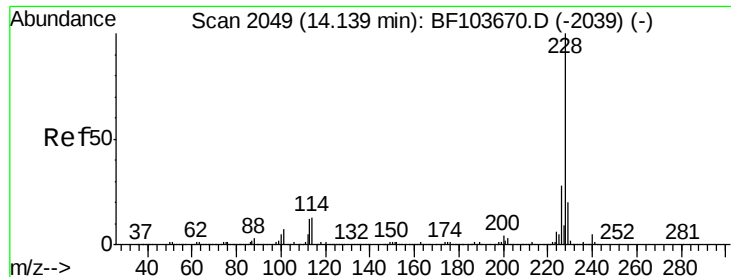


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

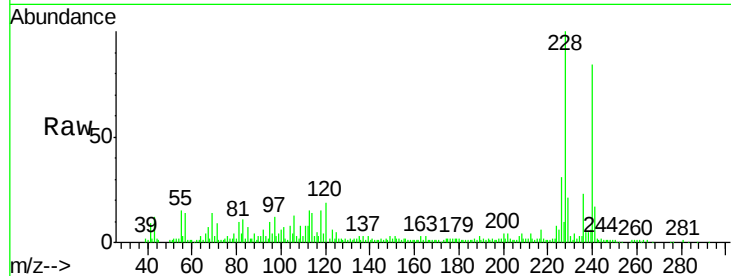




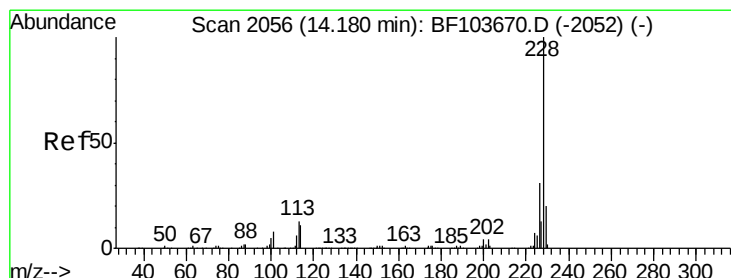
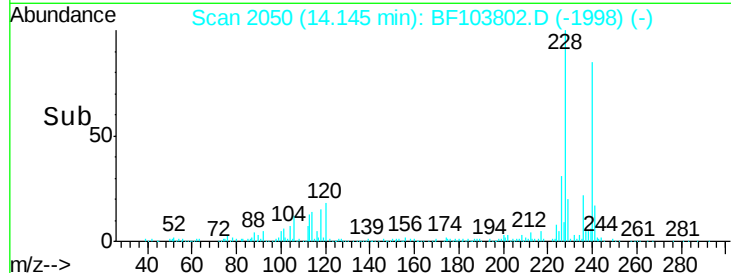
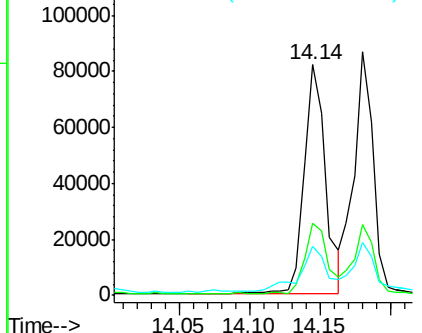
#80  
Benzo(a)anthracene  
Concen: 2.860 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. 0.01 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:228 Resp: 86616  
Ion Ratio Lower Upper  
228 100  
226 31.2 22.6 33.8  
229 21.2 15.8 23.6

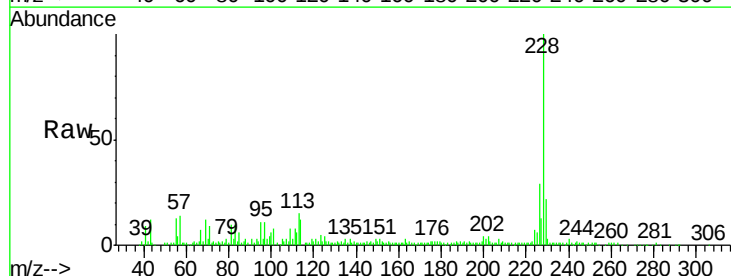


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

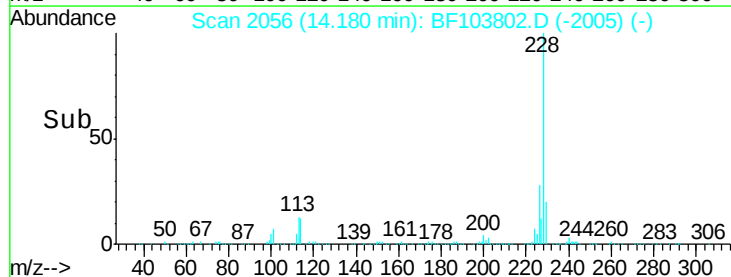
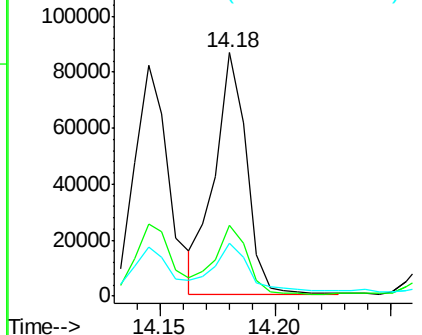


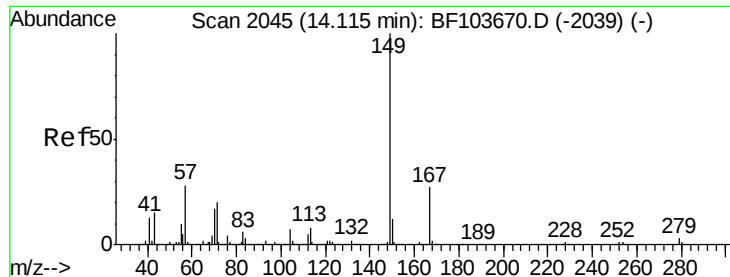
#82  
Chrysene  
Concen: 2.880 ng  
RT: 14.18 min Scan# 2056  
Delta R.T. 0.00 min  
Lab File: BF103802.D  
Acq: 20 Mar 2018 15:19

Tgt Ion:228 Resp: 83161  
Ion Ratio Lower Upper  
228 100  
226 29.0 25.0 37.6  
229 21.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.986 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

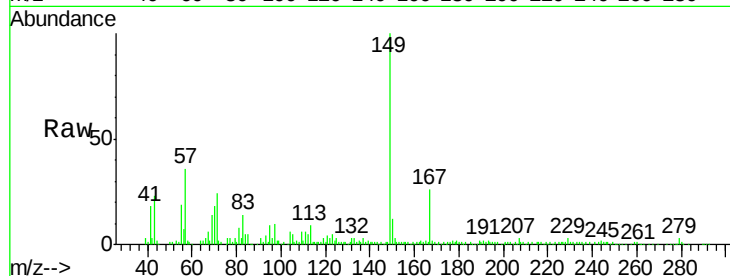
Tot Ion:149 Resp: 88655

Ion Ratio Lower Upper

149 100

167 25.9 21.3 31.9

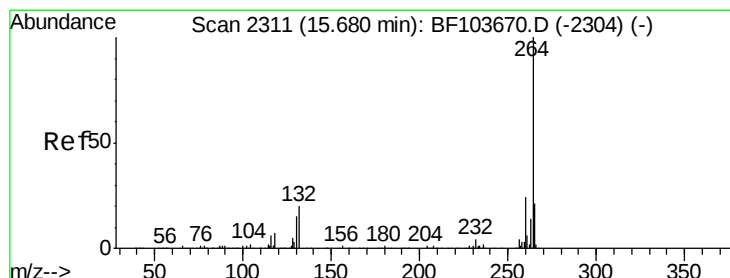
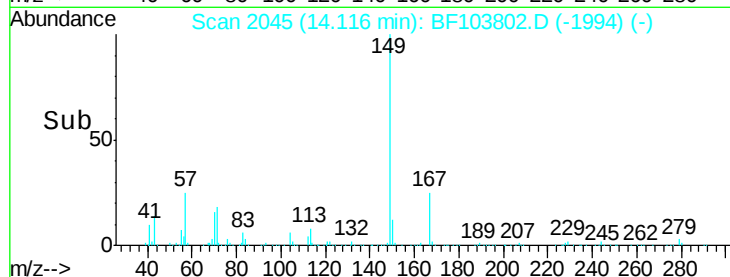
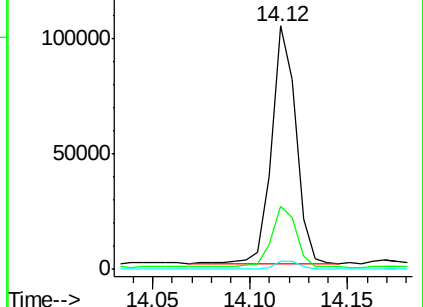
279 3.1 3.0 4.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

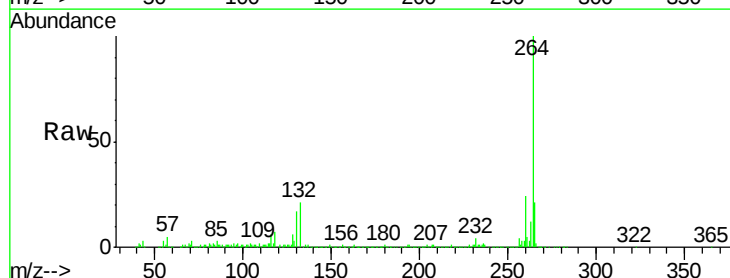
Tgt Ion:264 Resp: 376588

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

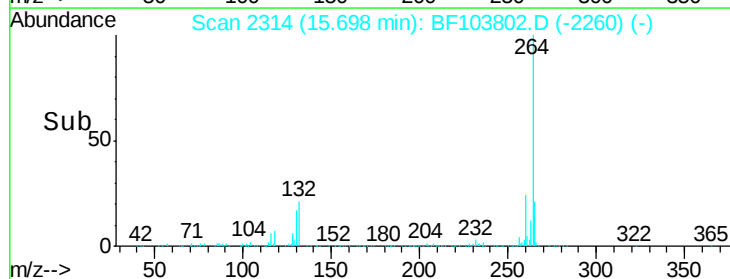
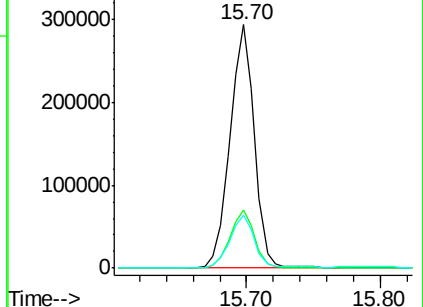
265 21.5 17.5 26.3

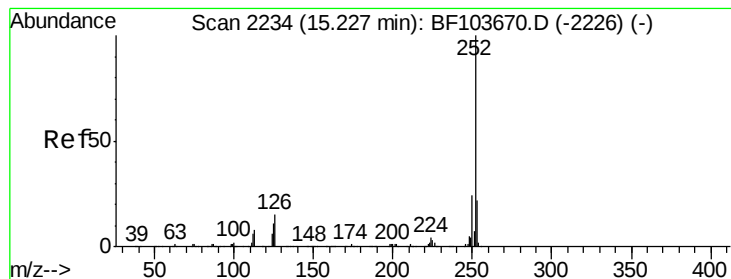


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.231 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

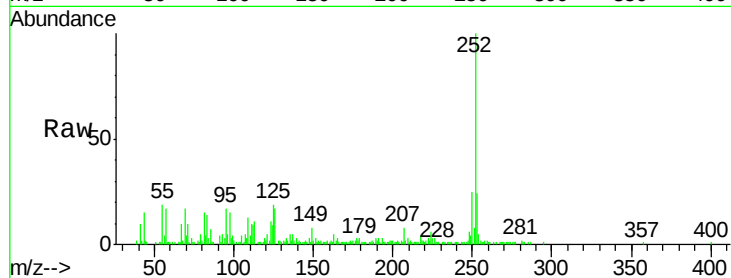
Tot Ion:252 Resp: 124465

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

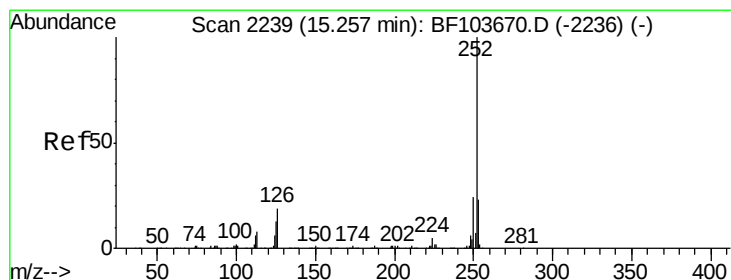
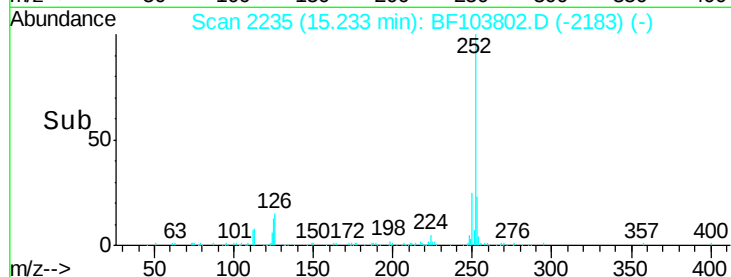
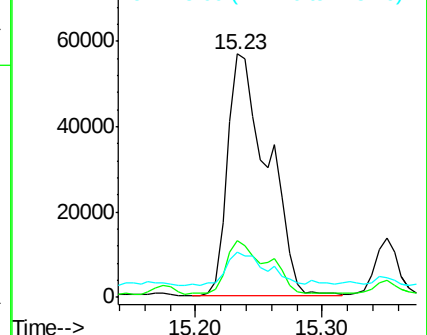
125 18.7 9.0 13.6#



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: 5.442 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

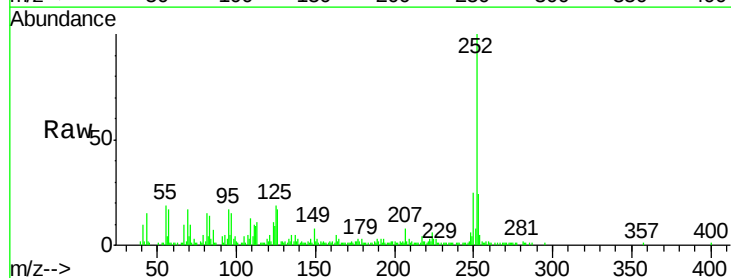
Tgt Ion:252 Resp: 124465

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

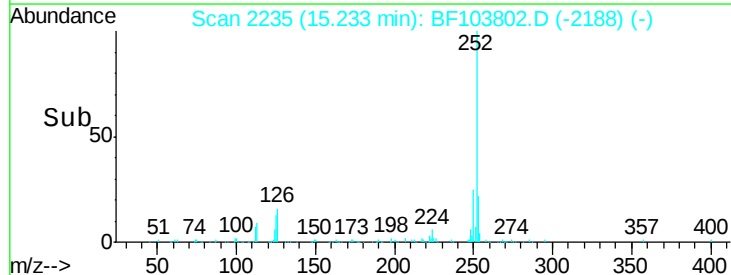
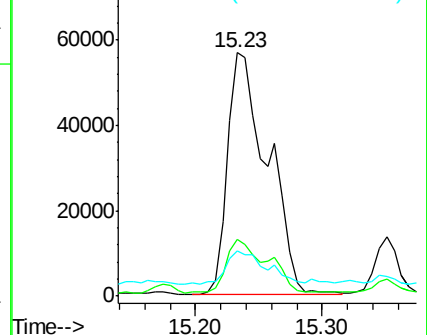
125 18.7 10.2 15.2#

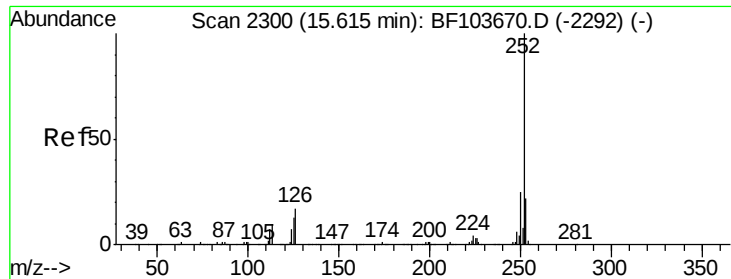


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.023 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BF103802.D

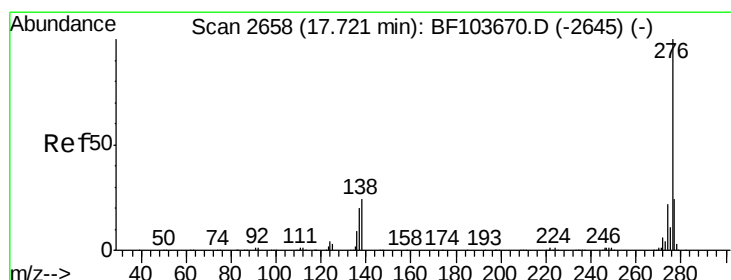
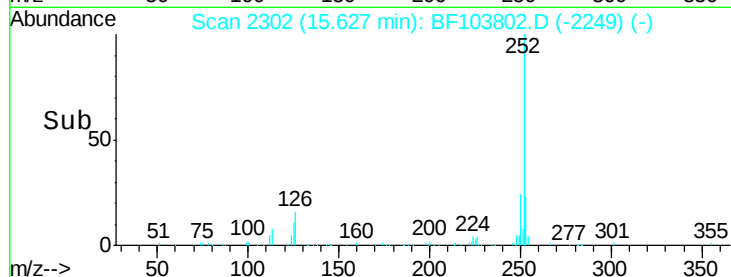
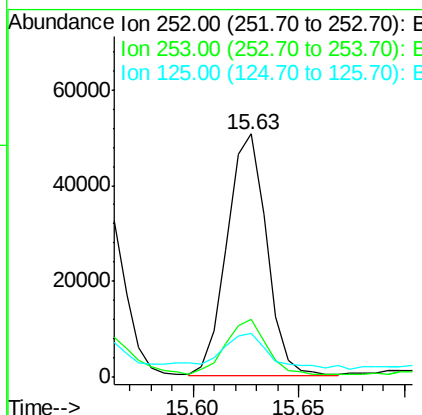
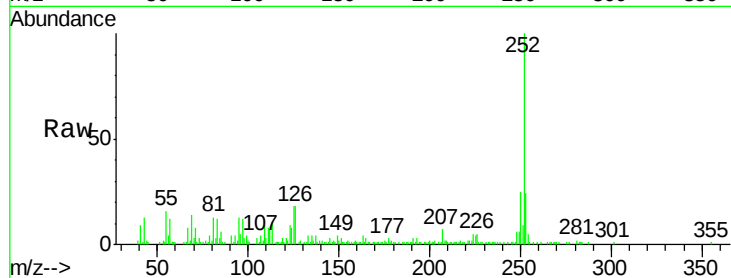
Acq: 20 Mar 2018 15:19

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 252   | Resp: | 65237 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 23.9  | 17.1  | 25.7  |
| 125      | 17.8  | 9.8   | 14.6  |



#91

Benzo(g,h,i)perylene

Concen: 2.354 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.02 min

Lab File: BF103802.D

Acq: 20 Mar 2018 15:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 42784 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 23.9  | 17.9  | 26.9  |
| 138      | 29.0  | 21.8  | 32.8  |

