

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\  
 Data File : BF104145.D  
 Acq On : 2 Apr 2018 19:37  
 Operator : JU/SJ  
 Sample : J2099-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 03 01:08:07 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 02 13:40:00 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 110496   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 464512   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 199938   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 273334   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 225538   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.69 | 264  | 230902   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.59  | 112 | 664498 | 95.90 | ng | 0.00 |
| 7) Phenol-d6             | 6.60  | 99  | 835915 | 98.06 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 515809 | 67.91 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 184871 | 83.04 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.31  | 172 | 993708 | 78.37 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.09 | 244 | 612320 | 62.69 | ng | 0.00 |

## Target Compounds

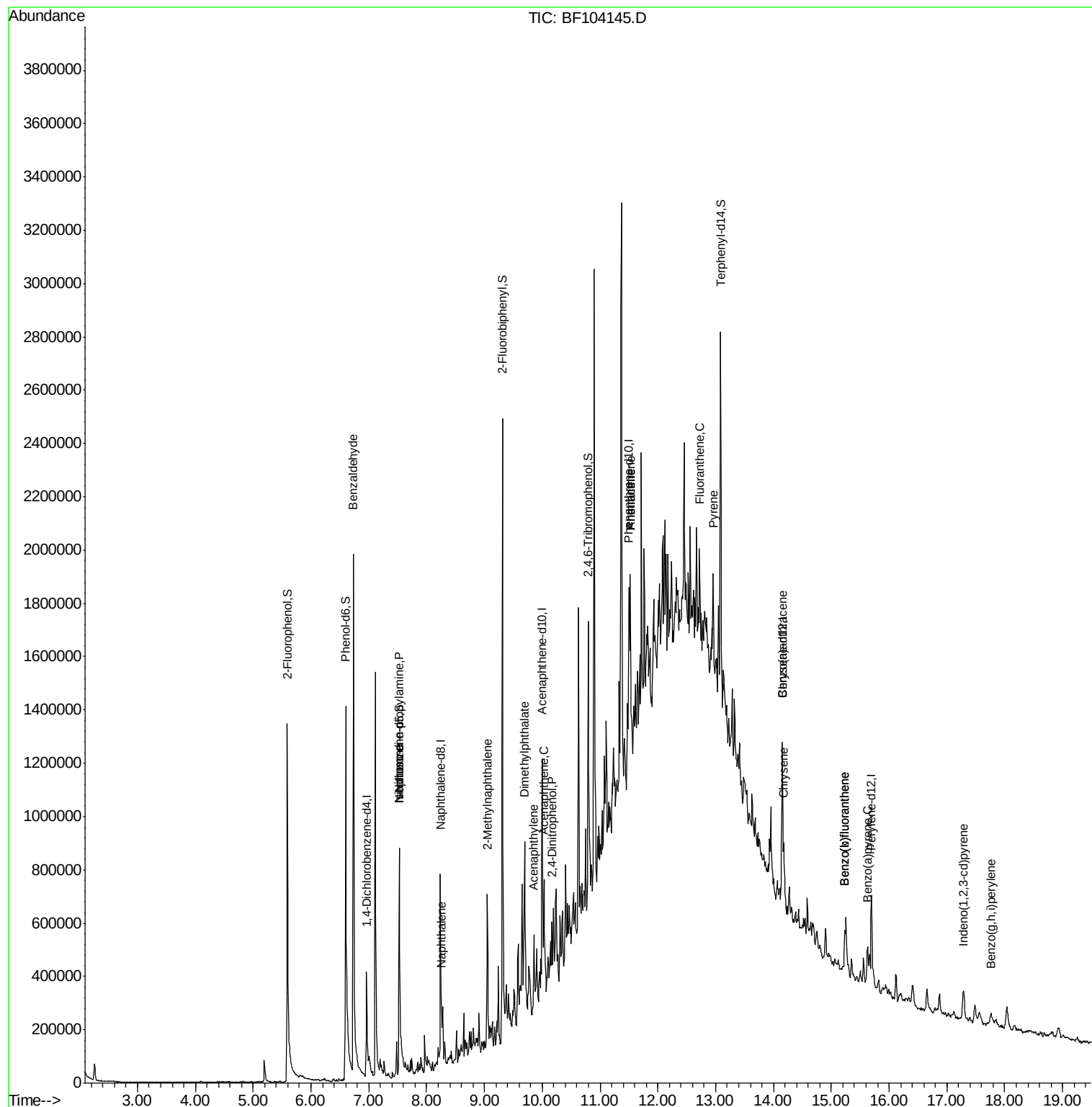
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 9) Benzaldehyde                | 6.73  | 77  | 15673  | 2.289  | ng | 86     |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70  | 64665  | 12.782 | ng | # 75   |
| 25) Isophorone                 | 7.52  | 82  | 515809 | 36.849 | ng | # 64   |
| 31) Naphthalene                | 8.26  | 128 | 58455  | 2.576  | ng | 96     |
| 37) 2-Methylnaphthalene        | 9.05  | 142 | 170119 | 11.381 | ng | 93     |
| 48) Acenaphthylene             | 9.86  | 152 | 87253  | 4.255  | ng | 97     |
| 49) Dimethylphthalate          | 9.70  | 163 | 75025  | 4.753  | ng | # 99   |
| 51) Acenaphthene               | 10.03 | 154 | 95983  | 8.091  | ng | 97     |
| 53) 2,4-Dinitrophenol          | 10.17 | 184 | 361    | 5.799  | ng | # 1    |
| 70) Phenanthrene               | 11.52 | 178 | 243667 | 16.466 | ng | 99     |
| 71) Anthracene                 | 11.52 | 178 | 243667 | 15.764 | ng | 97     |
| 74) Fluoranthene               | 12.72 | 202 | 180822 | 11.495 | ng | 97     |
| 77) Pyrene                     | 12.95 | 202 | 208091 | 12.835 | ng | 98     |
| 80) Benzo(a)anthracene         | 14.14 | 228 | 111179 | 7.878  | ng | # 86   |
| 82) Chrysene                   | 14.18 | 228 | 90488  | 6.547  | ng | 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.29 | 276 | 43640  | 3.047  | ng | # 86   |
| 87) Benzo(b)fluoranthene       | 15.23 | 252 | 152300 | 10.838 | ng | # 91   |
| 88) Benzo(k)fluoranthene       | 15.23 | 252 | 152300 | 11.505 | ng | # 93   |
| 89) Benzo(a)pyrene             | 15.63 | 252 | 91635  | 7.037  | ng | # 93   |
| 91) Benzo(a,h,i)perylene       | 17.76 | 276 | 46160  | 3.828  | ng | # 92   |

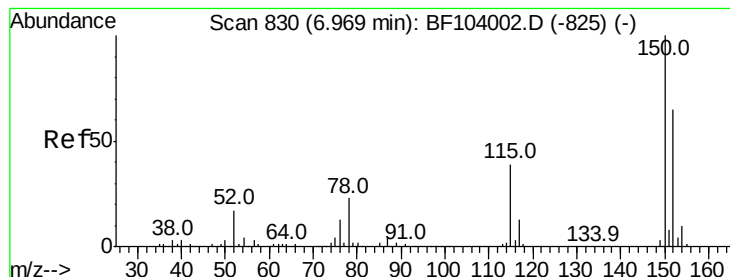
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\  
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Misc :  
ALS Vial : 22 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

Quant Time: Apr 03 01:08:07 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 02 13:40:00 2018  
Response via : Initial Calibration



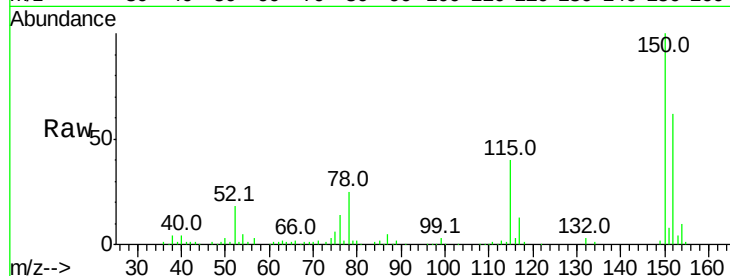


#1

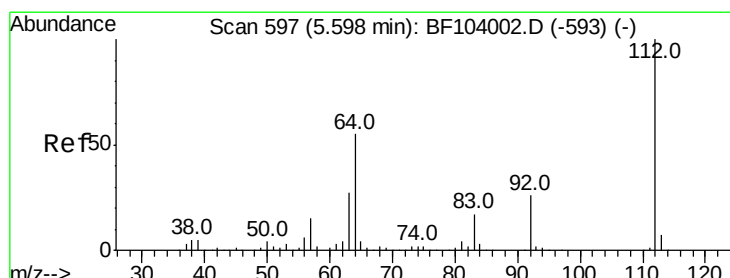
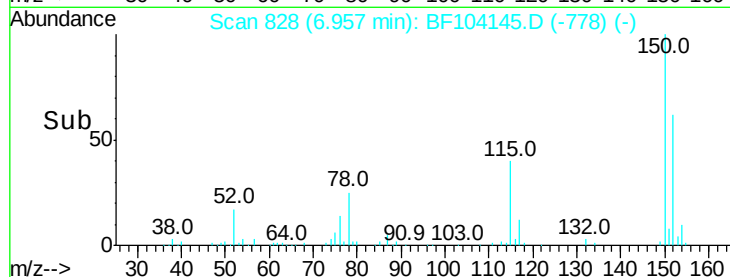
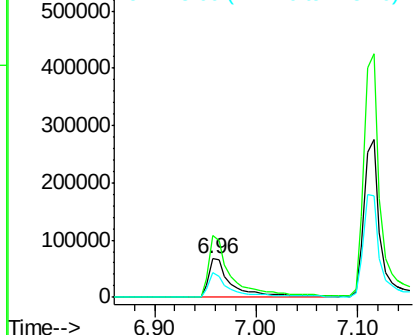
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 110496  
Ion Ratio Lower Upper  
152 100  
150 161.2 124.6 186.8  
115 63.9 50.1 75.1



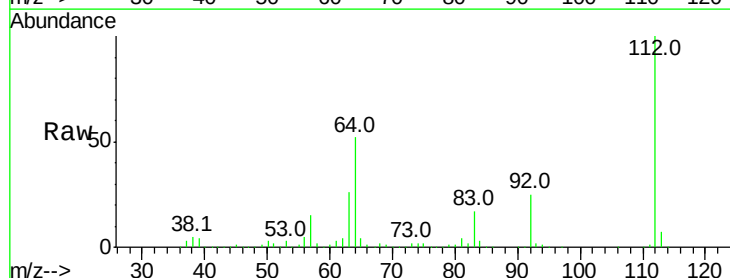
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



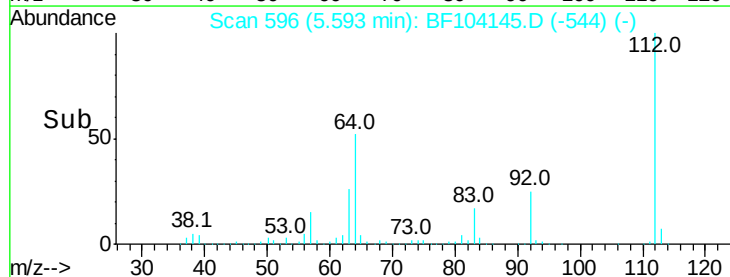
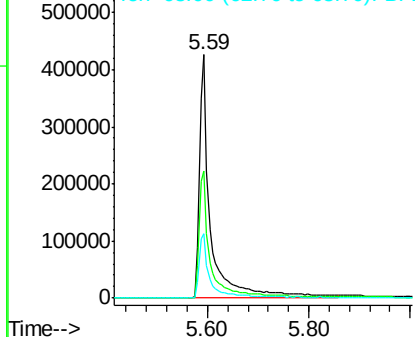
#5

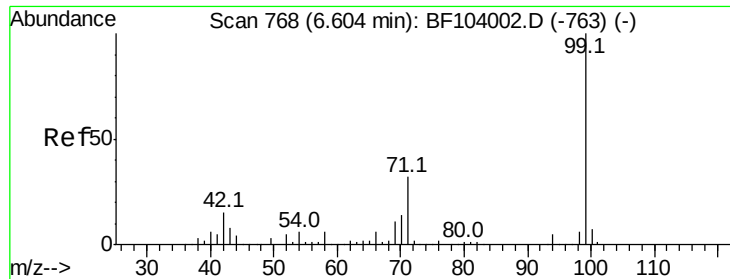
2-Fluorophenol  
Concen: 95.905 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.01 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Tgt Ion:112 Resp: 664498  
Ion Ratio Lower Upper  
112 100  
64 52.4 47.9 71.9  
63 26.3 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: 98.061 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

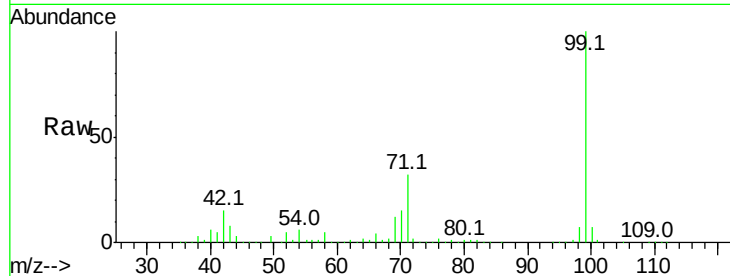
Tot Ion: 99 Resp: 835915

Ion Ratio Lower Upper

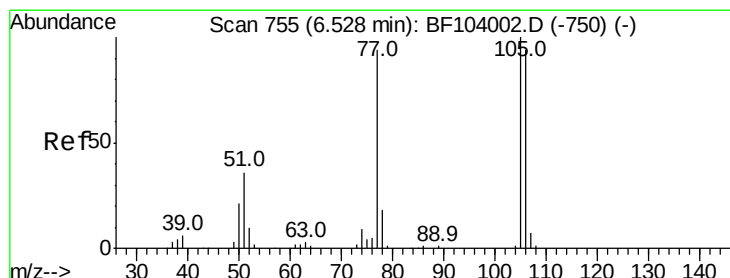
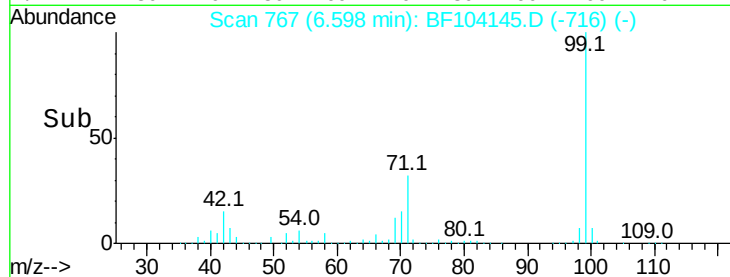
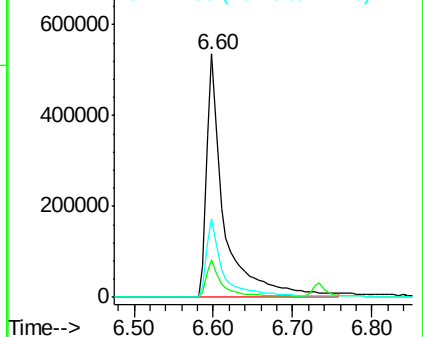
99 100

42 15.2 14.5 21.7

71 32.4 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



#9

Benzaldehyde

Concen: 2.289 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.21 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

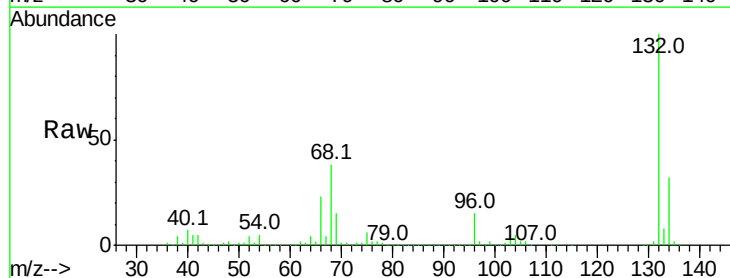
Tgt Ion: 77 Resp: 15673

Ion Ratio Lower Upper

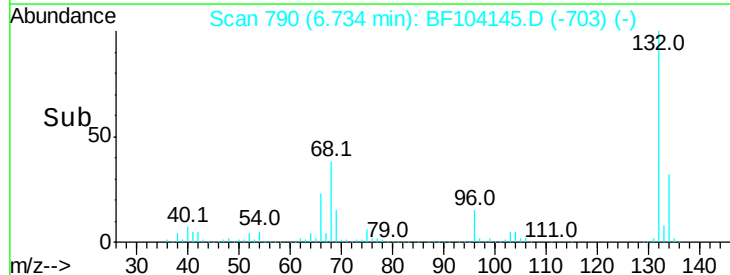
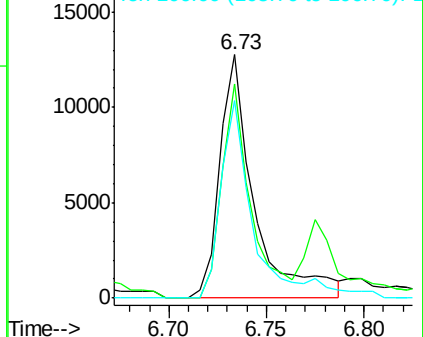
77 100

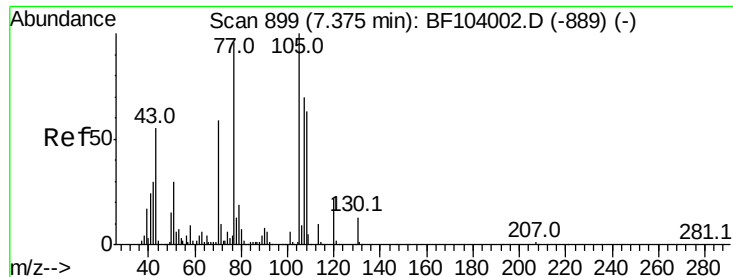
105 87.8 81.1 121.1

106 80.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

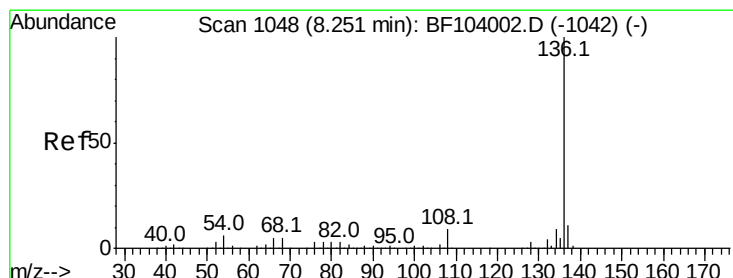
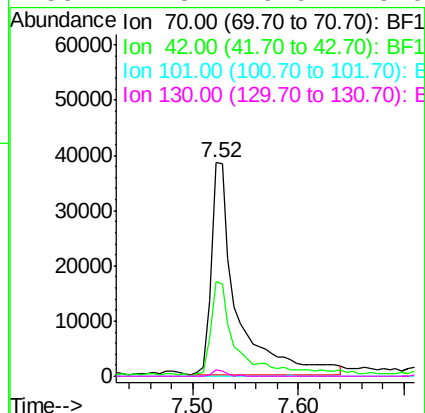
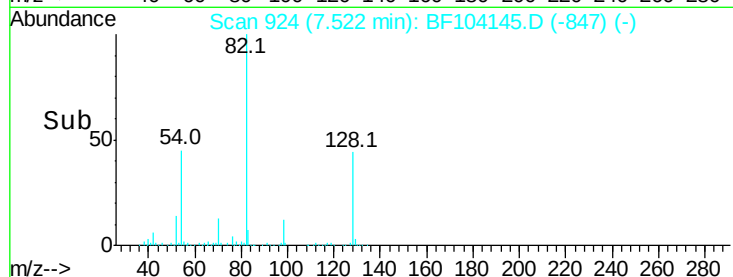
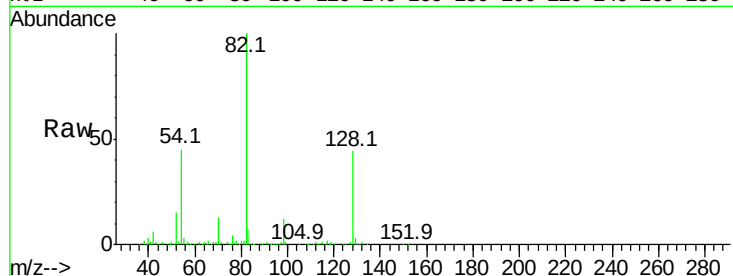




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.782 ng  
RT: 7.52 min Scan# 924  
Delta R.T. 0.15 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

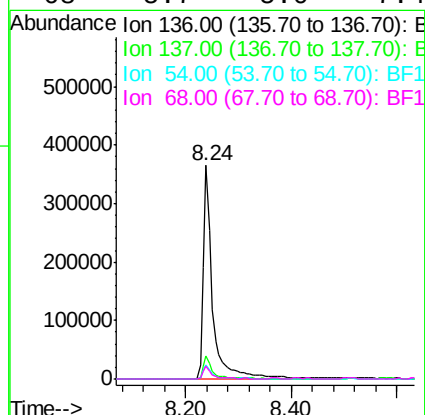
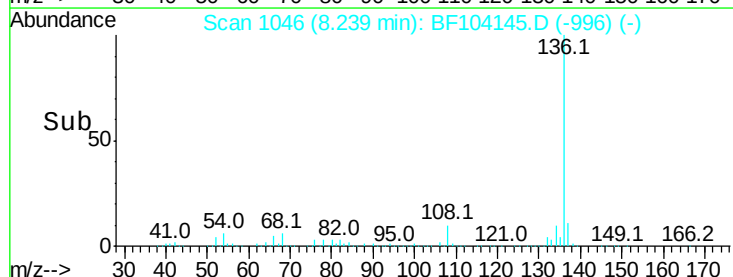
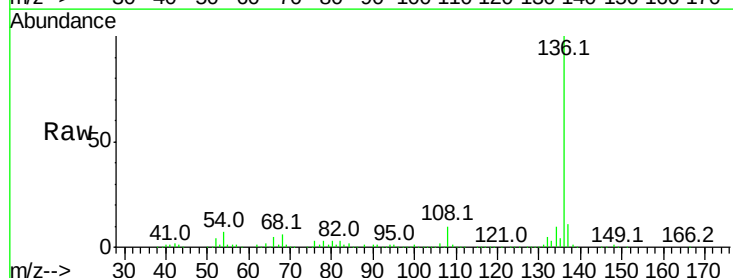
Instrument :  
BNA\_F  
ClientSampleId :

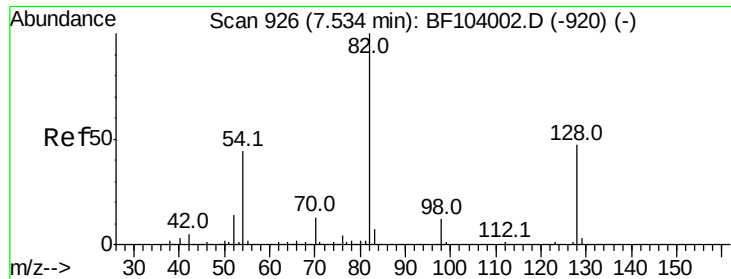
Tot Ion: 70 Resp: 64665  
Ion Ratio Lower Upper  
70 100  
42 44.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.8 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Tgt Ion:136 Resp: 464512  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 6.5 6.6 9.8#  
68 5.7 5.0 7.4

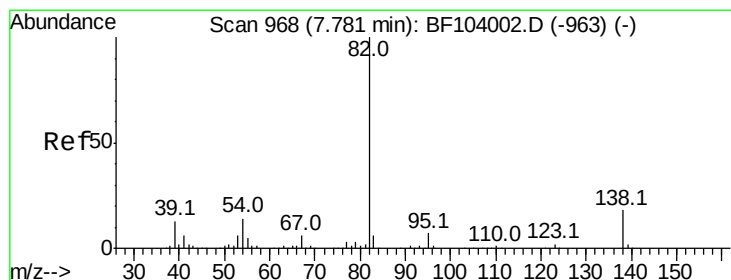
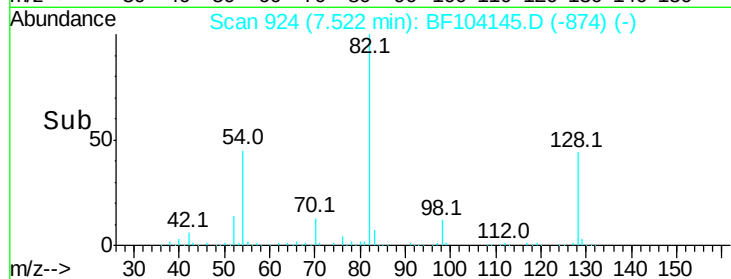
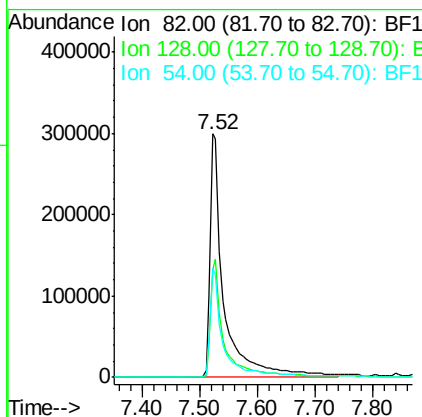
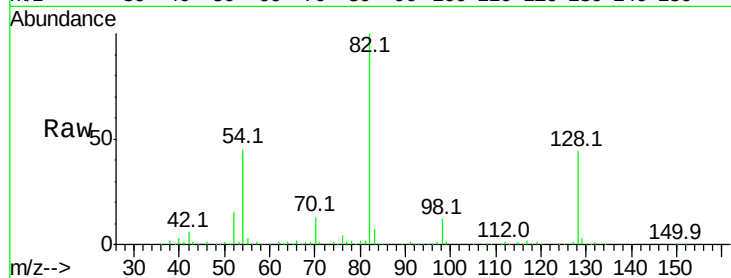




#23  
 Nitrobenzene-d5  
 Concen: 67.909 ng  
 RT: 7.52 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

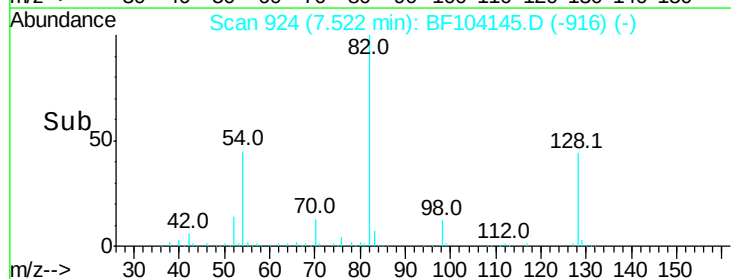
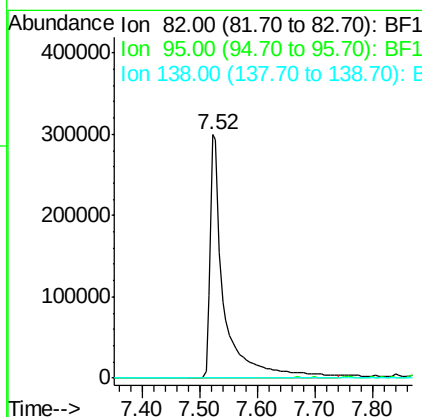
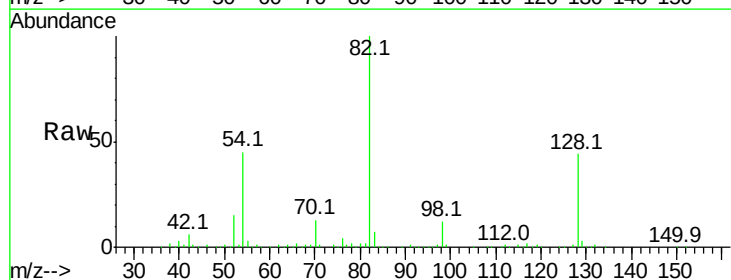
Instrument :  
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 ClientSampleId :

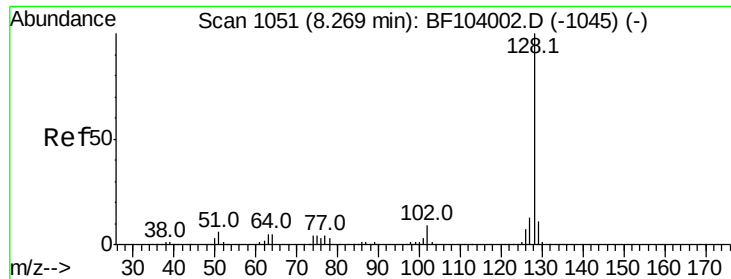
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 515809 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.3  | 36.1  | 54.1   |
| 54       | 45.0  | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 36.849 ng  
 RT: 7.52 min Scan# 924  
 Delta R.T. -0.25 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 515809 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 0.2   | 5.2   | 7.8#   |
| 138      | 0.0   | 14.9  | 22.3#  |

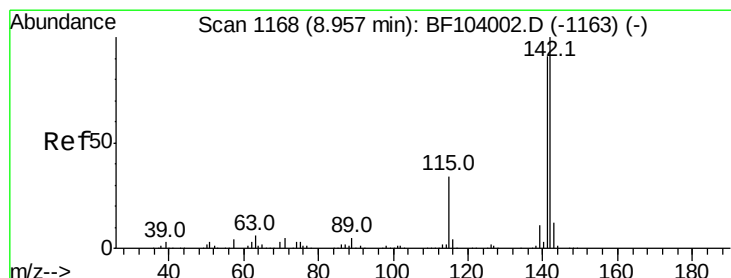
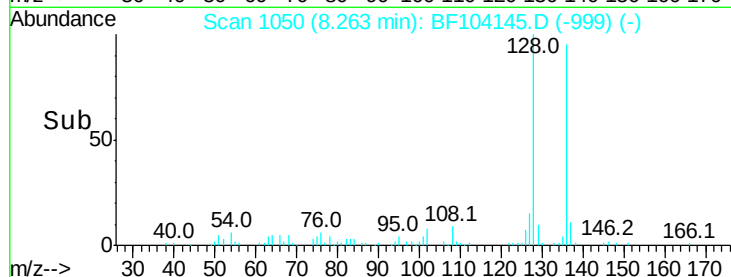
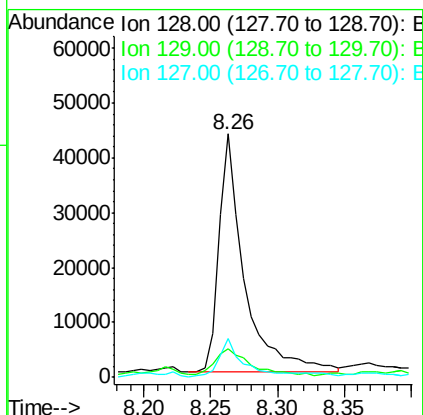
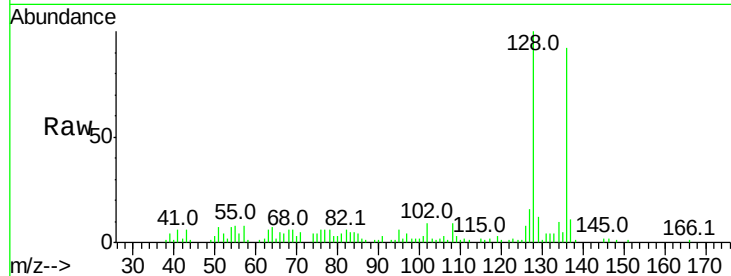




#31  
Naphthalene  
Concen: 2.576 ng  
RT: 8.26 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

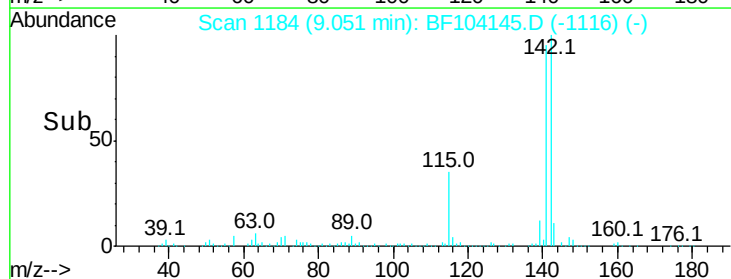
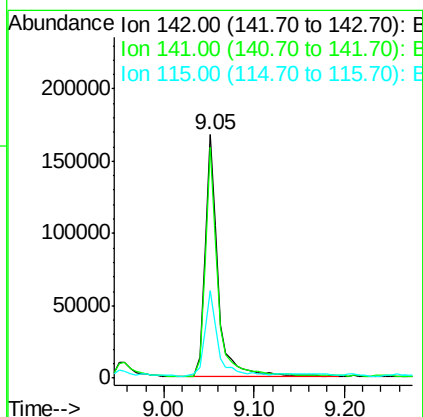
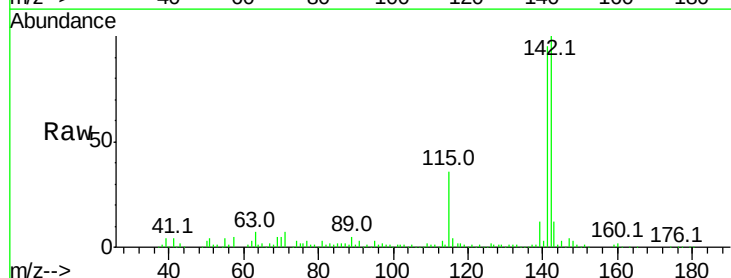
Instrument :  
BNA\_F  
ClientSampleId :

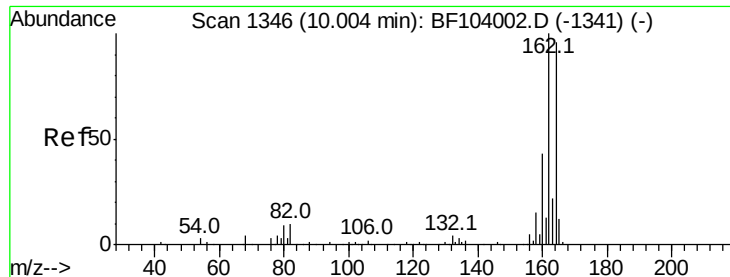
Tot Ion:128 Resp: 58455  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.8 13.2  
127 16.0 10.9 16.3



#37  
2-Methylnaphthalene  
Concen: 11.381 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. 0.10 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Tgt Ion:142 Resp: 170119  
Ion Ratio Lower Upper  
142 100  
141 94.9 70.8 106.2  
115 36.0 26.1 39.1

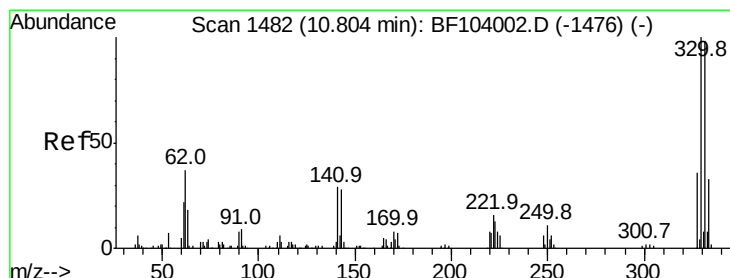
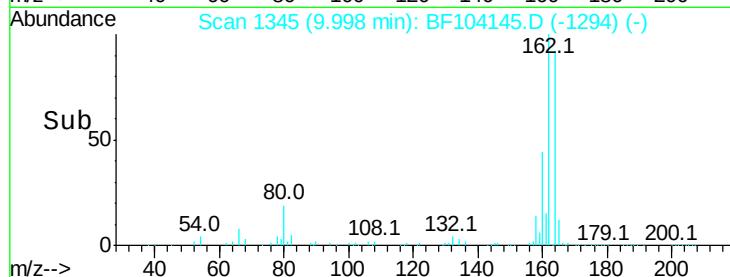
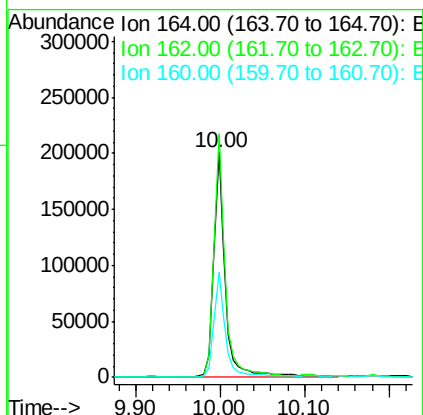
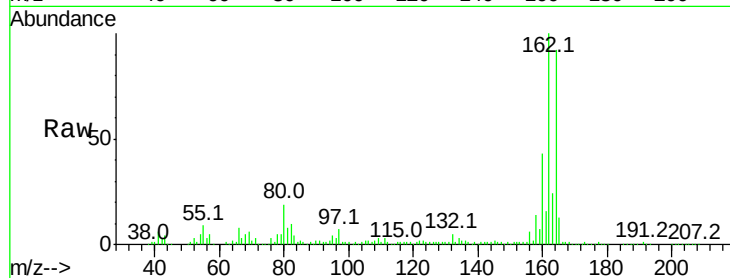




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. -0.00 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

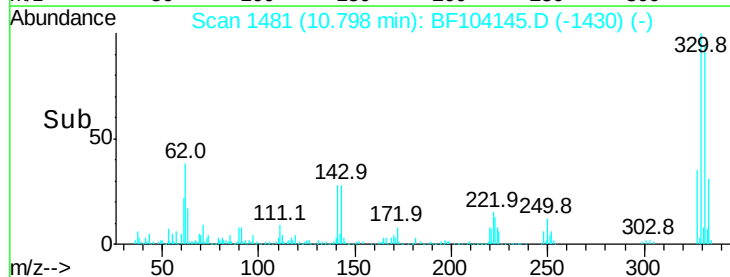
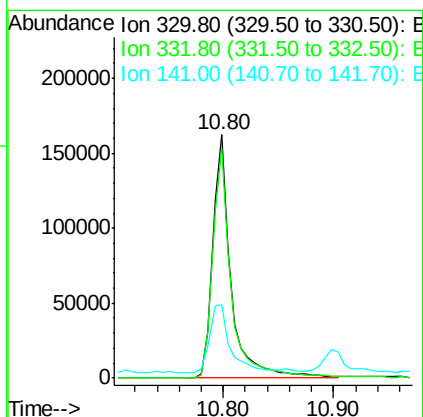
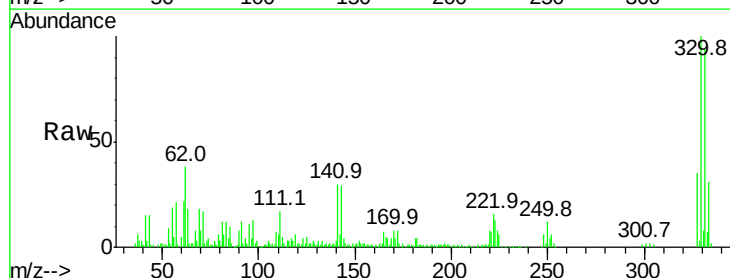
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 199938  
 Ion Ratio Lower Upper  
 164 100  
 162 108.1 86.1 129.1  
 160 46.9 38.3 57.5

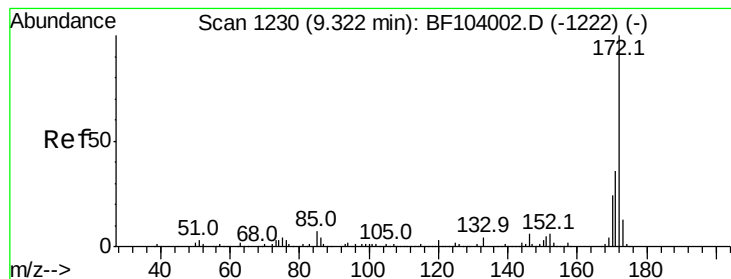


#41  
 2,4,6-Tribromophenol  
 Concen: 83.039 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

Tgt Ion:330 Resp: 184871  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 29.7 29.9 44.9#







#44

2-Fluorobiphenyl

Concen: 78.374 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

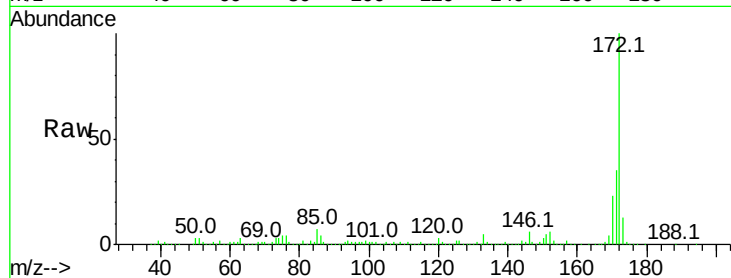
Tot Ion:172 Resp: 993708

Ion Ratio Lower Upper

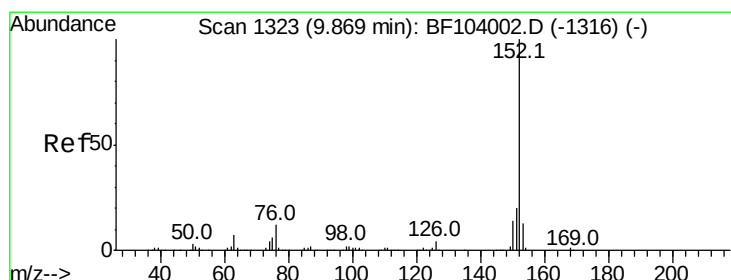
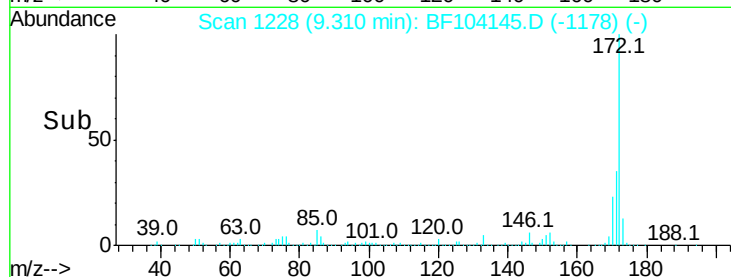
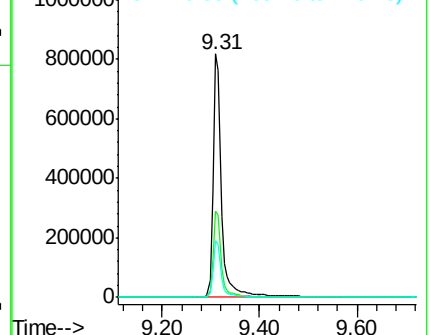
172 100

171 35.2 29.7 44.5

170 23.2 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: 4.255 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

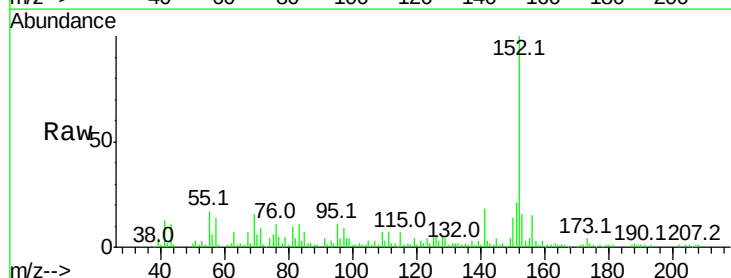
Tgt Ion:152 Resp: 87253

Ion Ratio Lower Upper

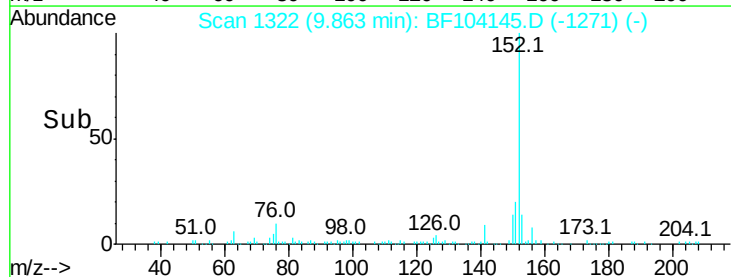
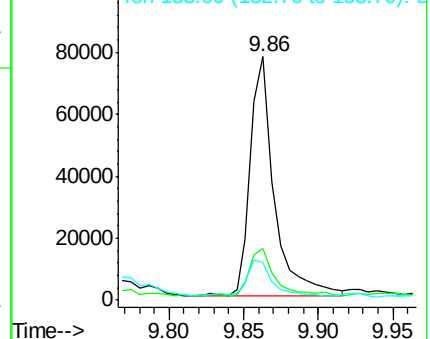
152 100

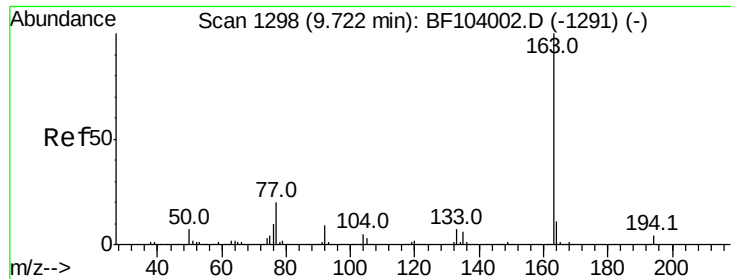
151 21.0 16.3 24.5

153 15.6 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

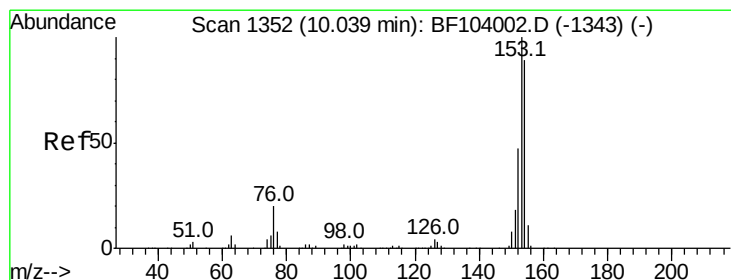
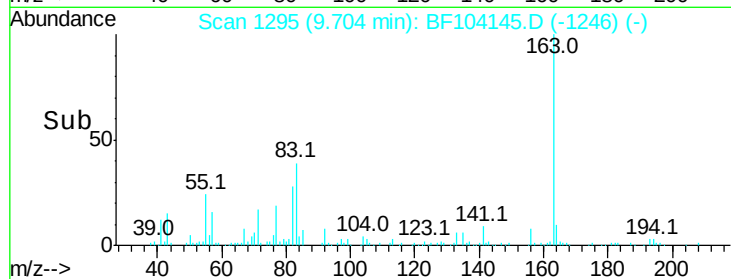
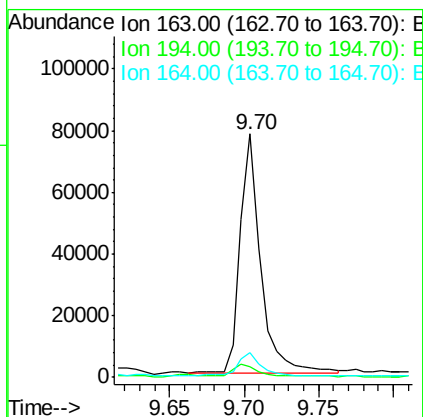
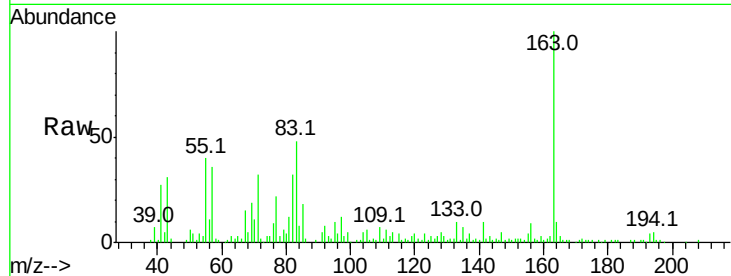




#49  
Dimethylphthalate  
Concen: 4.753 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

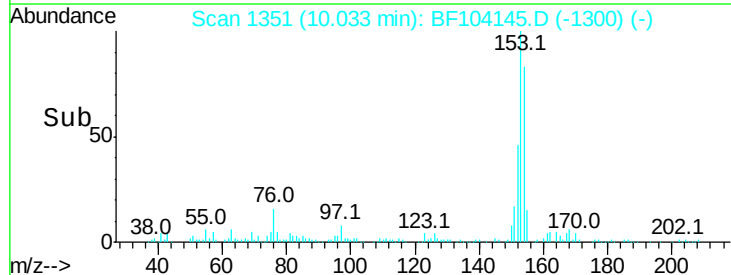
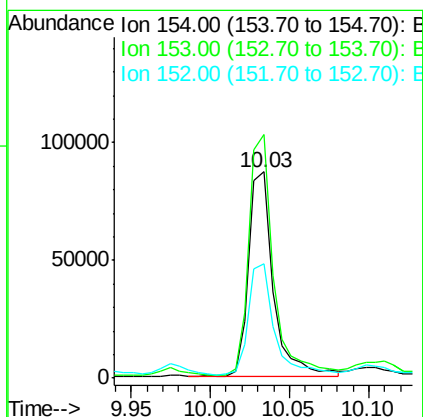
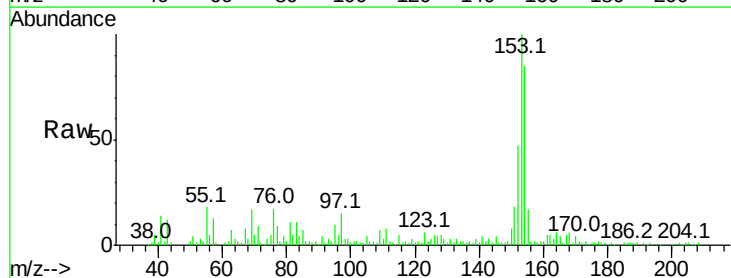
Instrument :  
BNA\_F  
ClientSampleId :

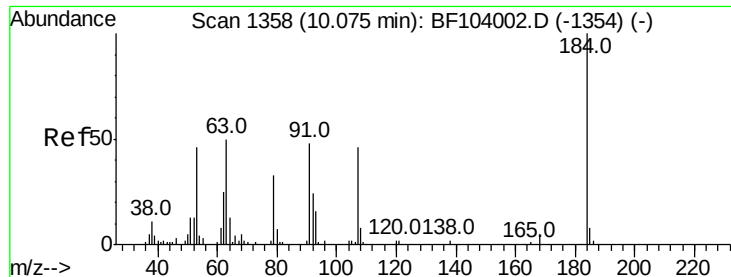
Tot Ion:163 Resp: 75025  
Ion Ratio Lower Upper  
163 100  
194 4.6 2.7 4.1#  
164 10.1 8.2 12.2



#51  
Acenaphthene  
Concen: 8.091 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.00 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Tgt Ion:154 Resp: 95983  
Ion Ratio Lower Upper  
154 100  
153 117.9 91.2 136.8  
152 55.5 43.8 65.8

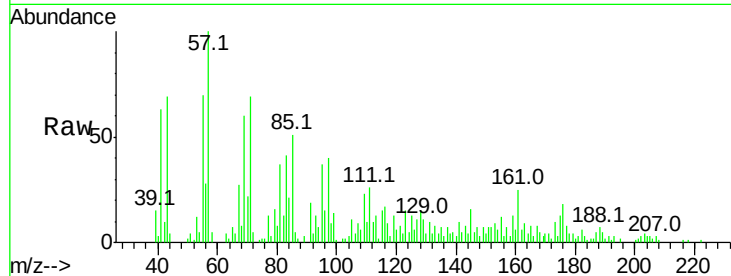




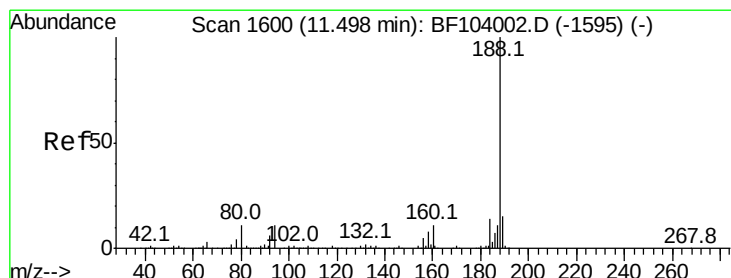
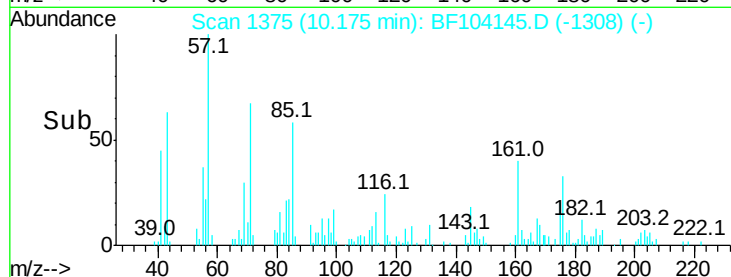
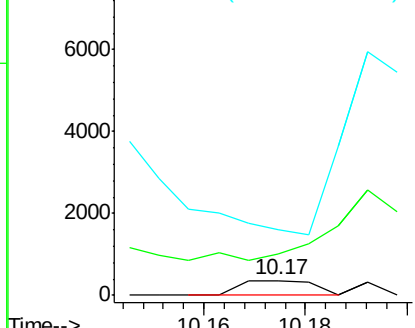
#53  
 2,4-Dinitrophenol  
 Concen: 5.799 ng  
 RT: 10.17 min Scan# 1375  
 Delta R.T. 0.09 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 361  
 Ion Ratio Lower Upper  
 184 100  
 63 275.5 54.2 81.2#  
 154 434.2 184.0 276.0#

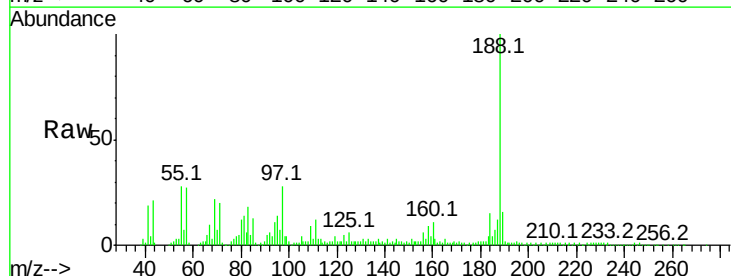


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

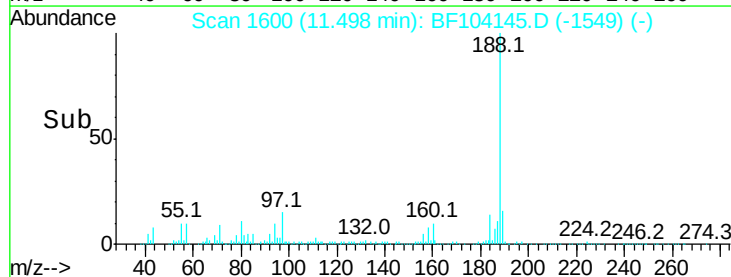
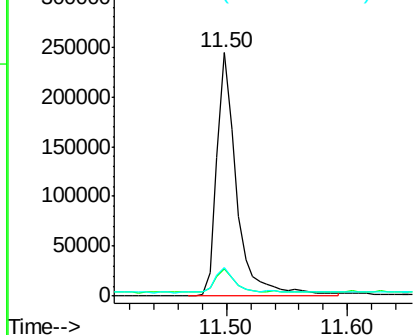


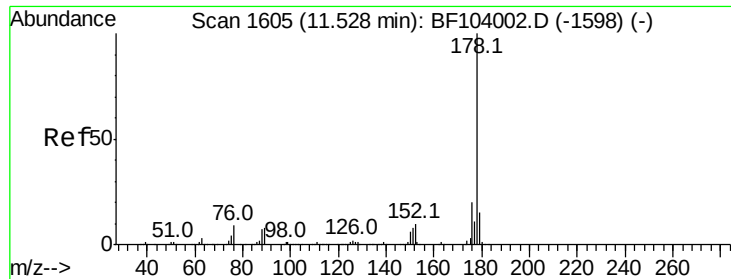
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: BF104145.D  
 Acq: 2 Apr 2018 19:37

Tgt Ion:188 Resp: 273334  
 Ion Ratio Lower Upper  
 188 100  
 94 11.2 8.5 12.7  
 80 11.7 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: 16.466 ng

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

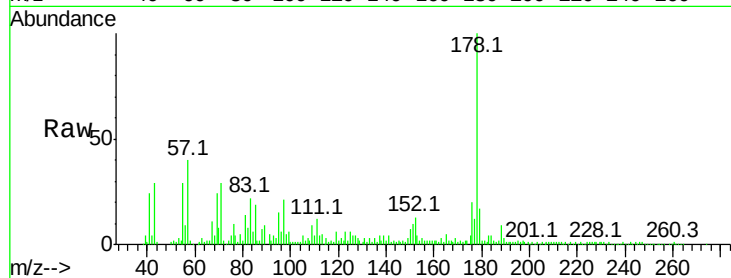
Tot Ion:178 Resp: 243667

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

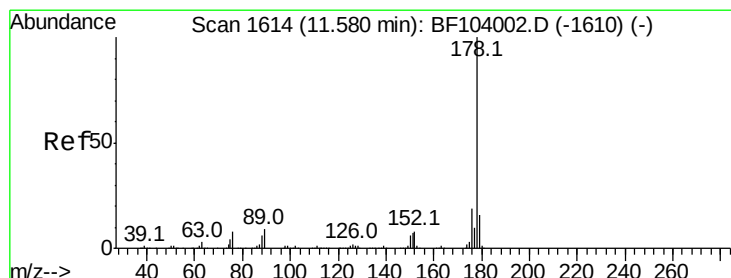
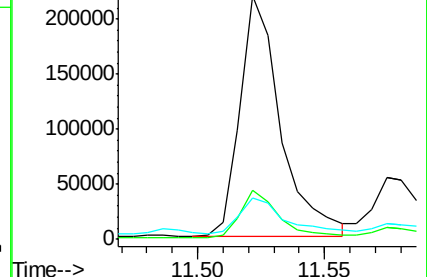
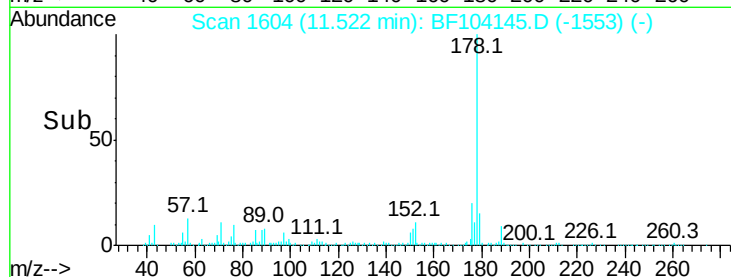
179 17.0 13.0 19.6



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



#71

Anthracene

Concen: 15.764 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.05 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

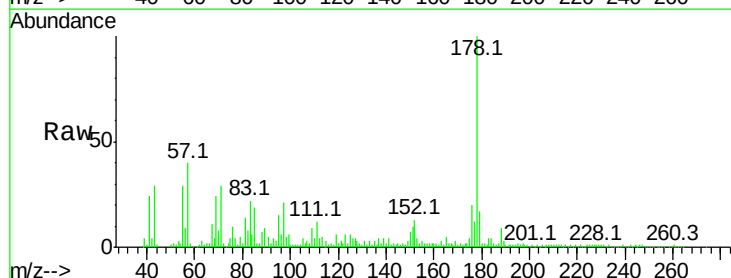
Tgt Ion:178 Resp: 243667

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

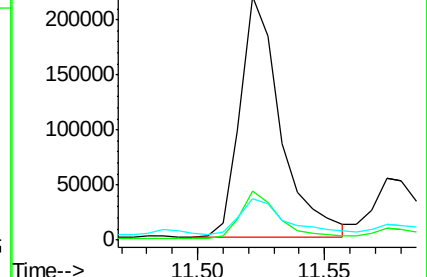
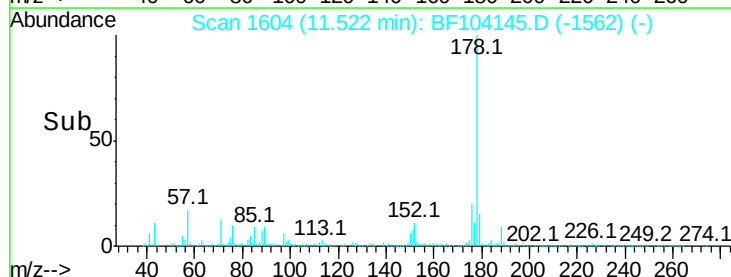
179 17.0 12.6 19.0

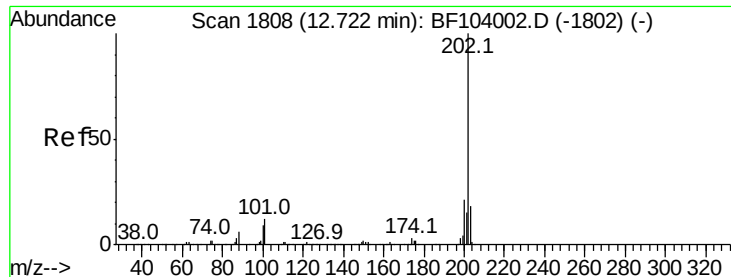


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.495 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

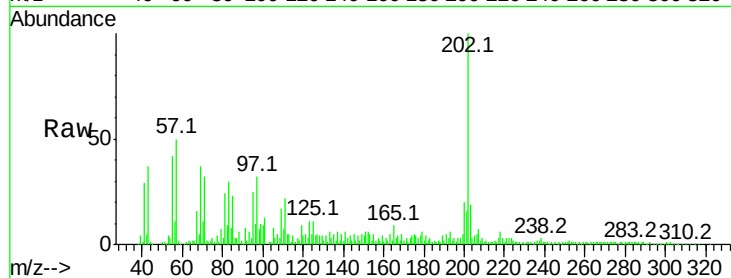
Tot Ion:202 Resp: 180822

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

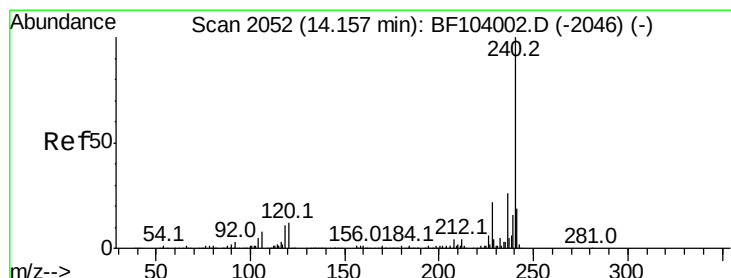
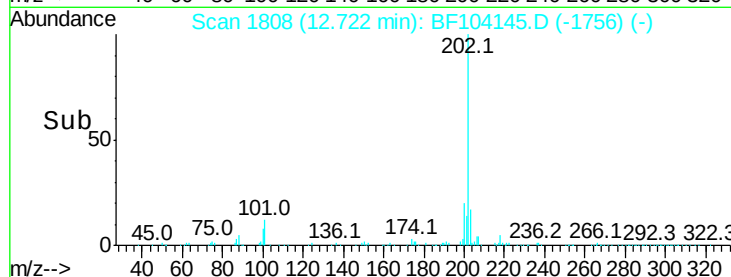
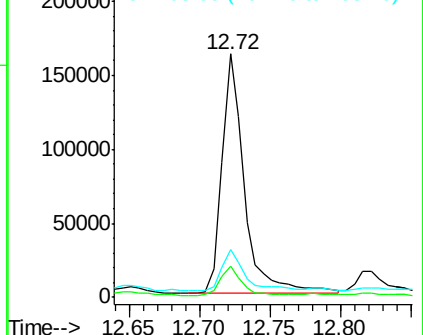
203 19.4 0.0 38.1



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: BF104145.D

Acq: 2 Apr 2018 19:37

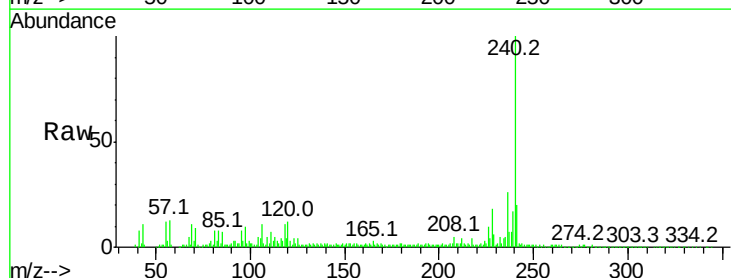
Tgt Ion:240 Resp: 225538

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

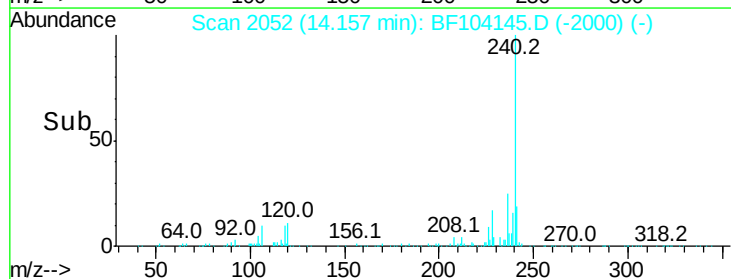
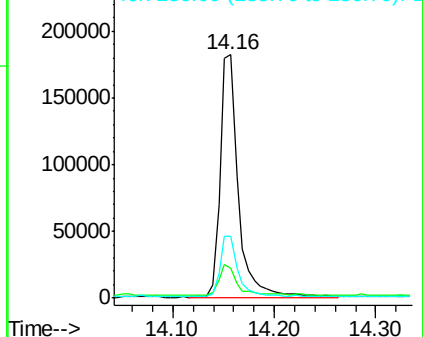
236 25.6 20.7 31.1

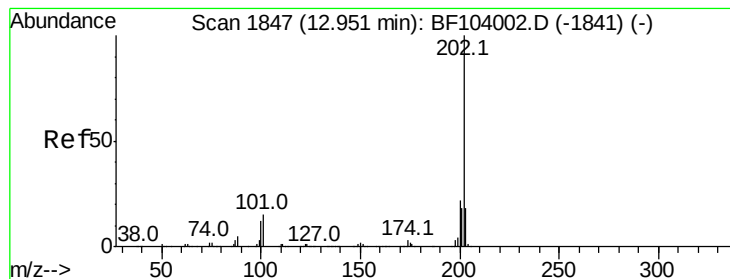


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.835 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

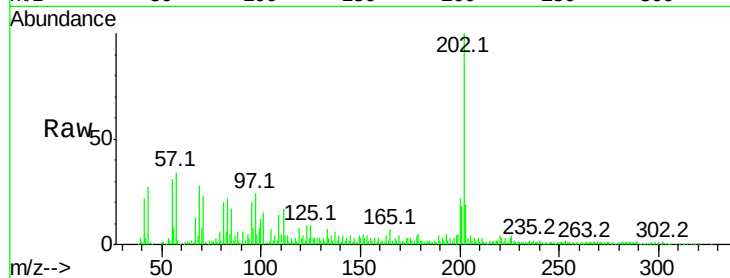
Tot Ion:202 Resp: 208091

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 19.4 14.3 21.5

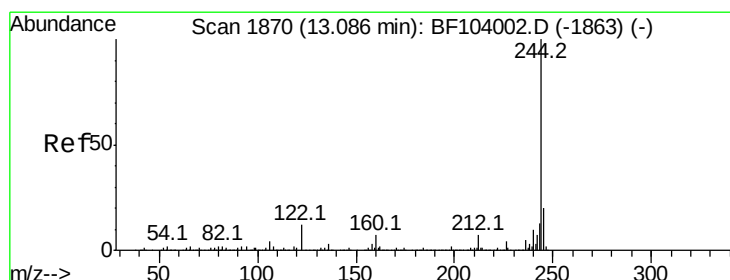
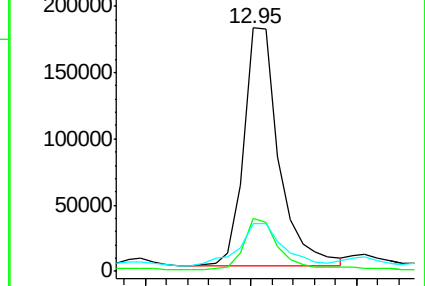
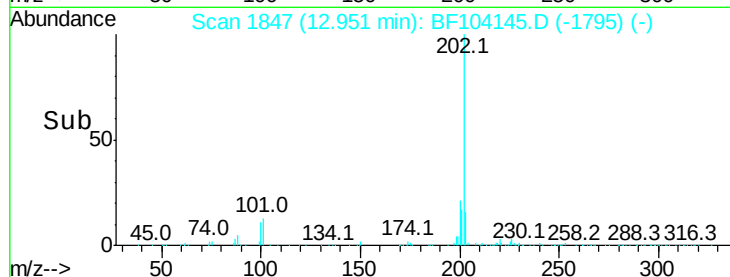


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#78

Terphenyl-d14

Concen: 62.686 ng

RT: 13.09 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

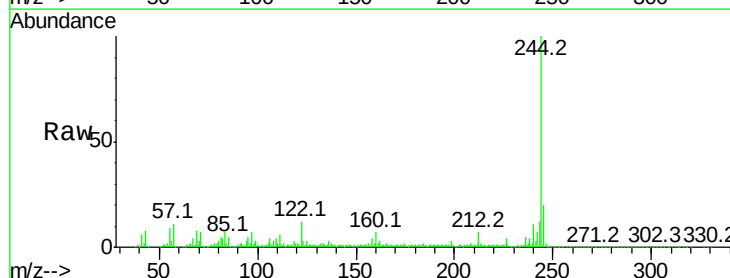
Tgt Ion:244 Resp: 612320

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 12.1 11.0 16.4

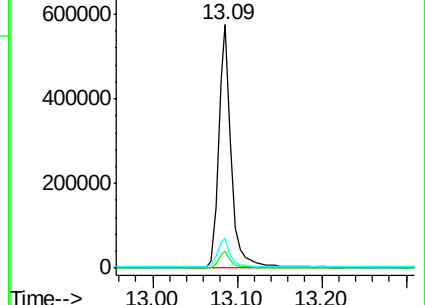
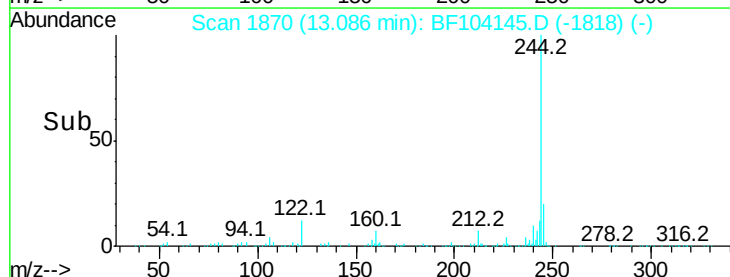


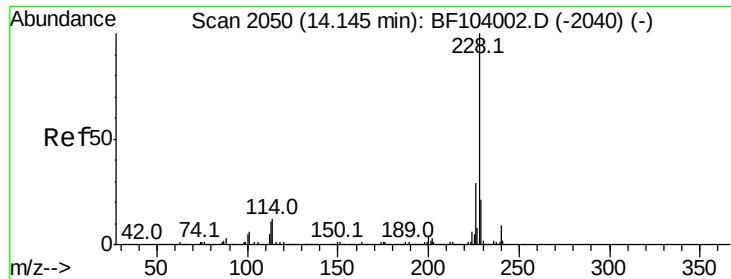
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->

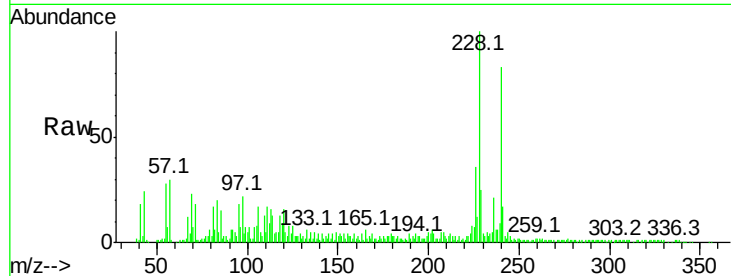




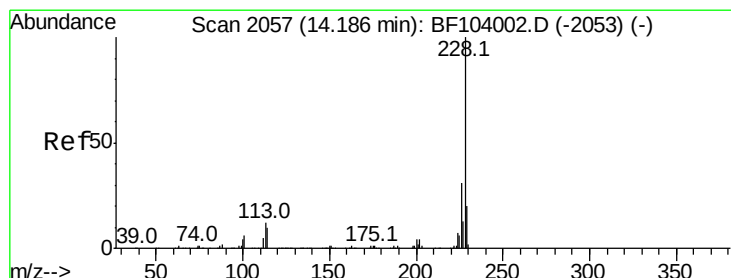
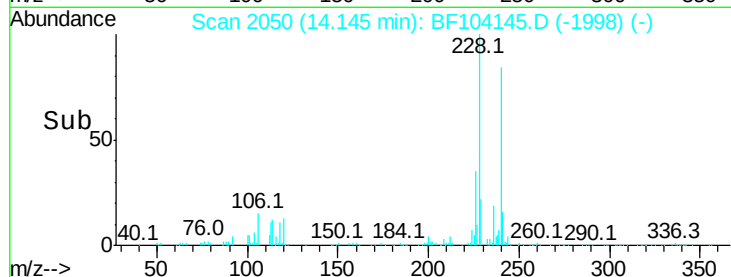
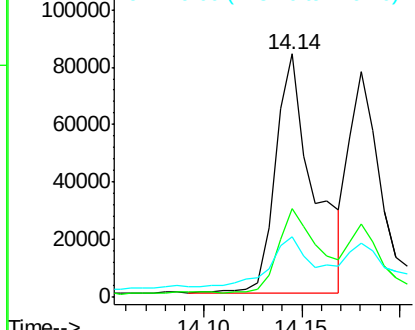
#80  
Benzo(a)anthracene  
Concen: 7.878 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. 0.01 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 111179  
Ion Ratio Lower Upper  
228 100  
226 36.3 22.6 33.8#  
229 25.1 15.8 23.6#

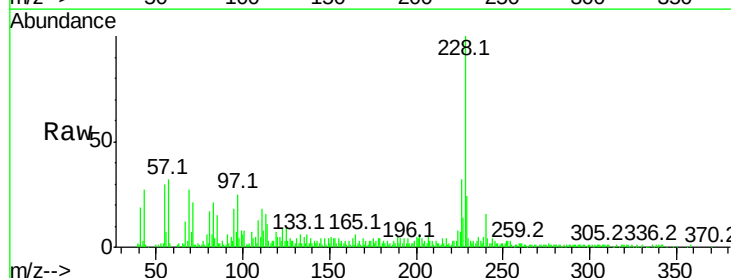


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

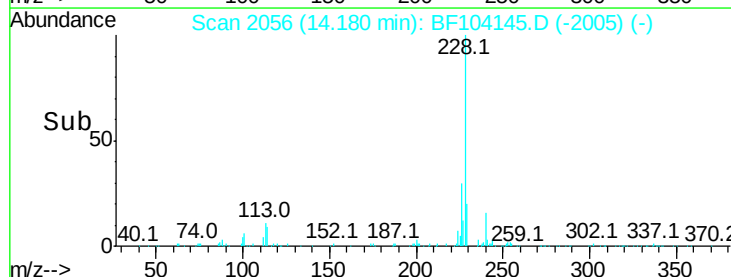
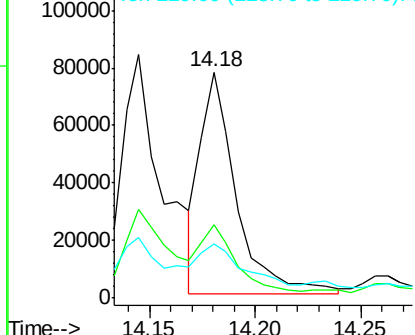


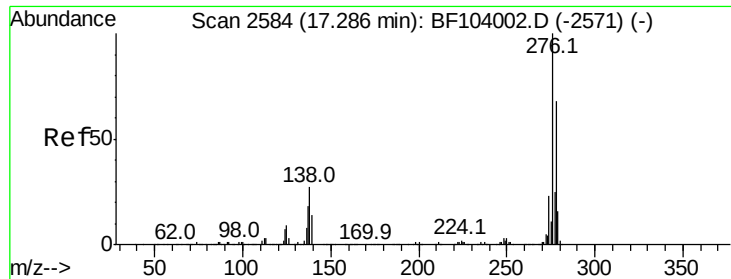
#82  
Chrysene  
Concen: 6.547 ng  
RT: 14.18 min Scan# 2056  
Delta R.T. -0.00 min  
Lab File: BF104145.D  
Acq: 2 Apr 2018 19:37

Tgt Ion:228 Resp: 90488  
Ion Ratio Lower Upper  
228 100  
226 32.4 25.0 37.6  
229 24.1 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.047 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

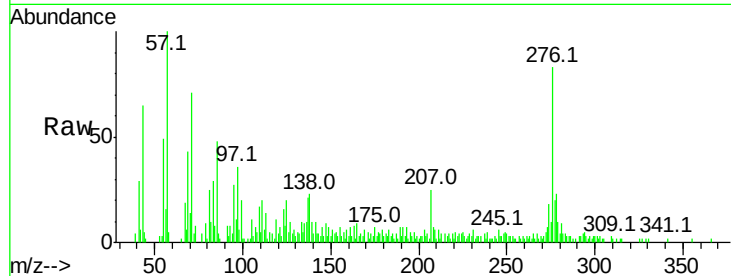
Tot Ion:276 Resp: 43640

Ion Ratio Lower Upper

276 100

138 21.7 25.0 37.6#

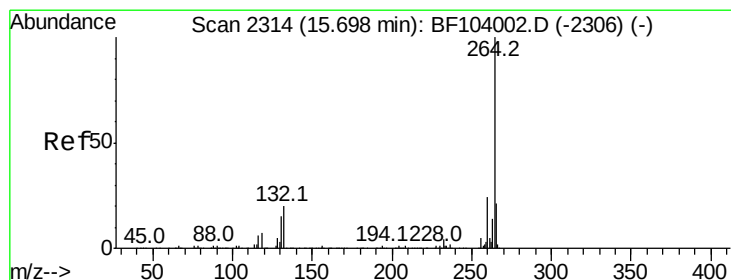
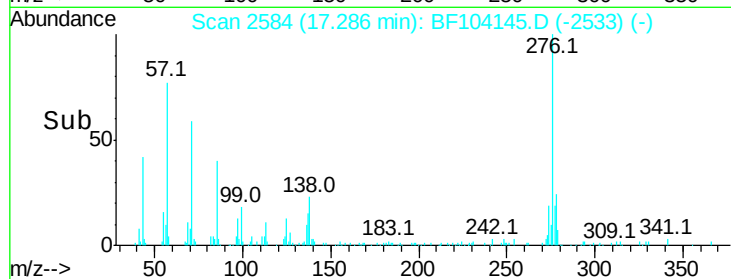
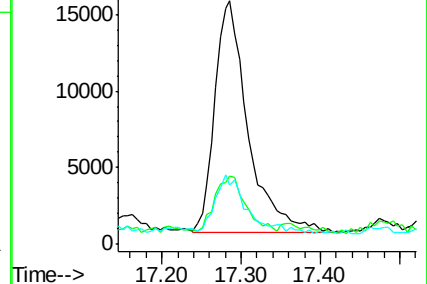
277 20.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

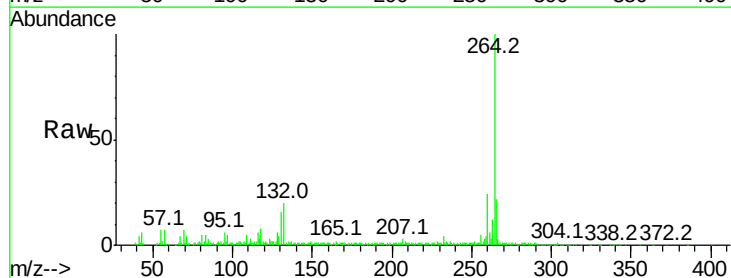
Tgt Ion:264 Resp: 230902

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

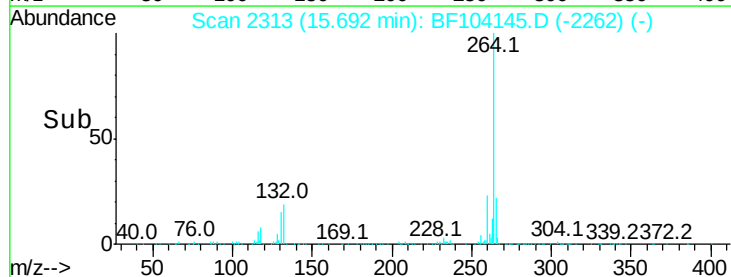
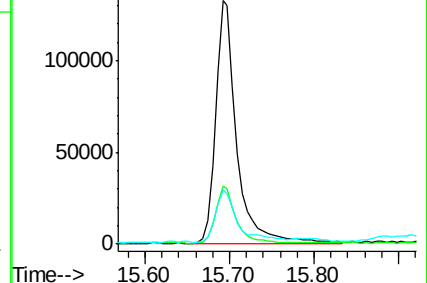
265 22.3 17.5 26.3



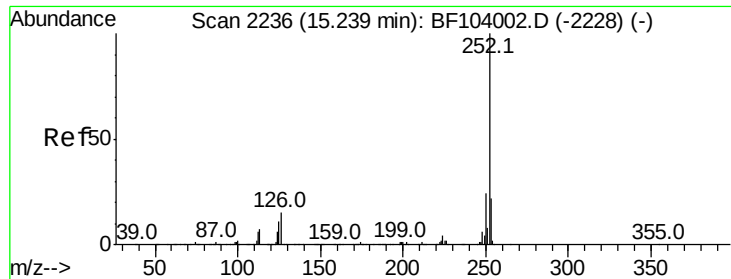
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E







#87

Benzo(b)fluoranthene

Concen: 10.838 ng

RT: 15.23 min Scan# 2235

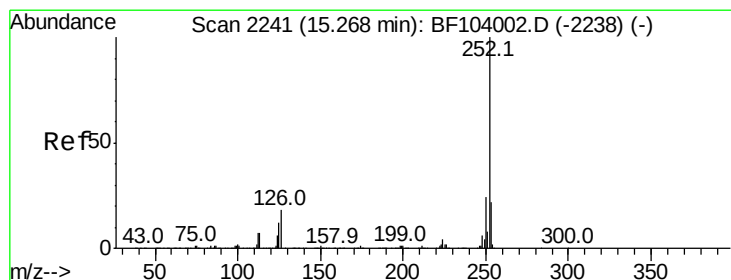
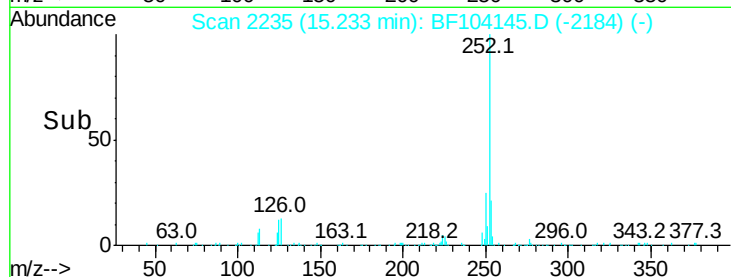
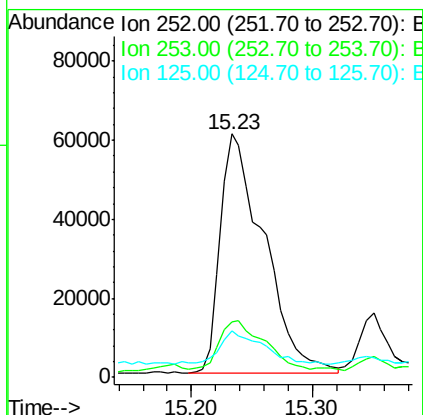
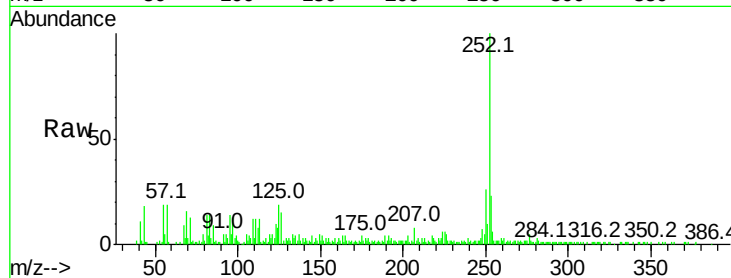
Delta R.T. -0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.0  | 25.6  |
| 125     | 19.1  | 9.0   | 13.6  |



#88

Benzo(k)fluoranthene

Concen: 11.505 ng

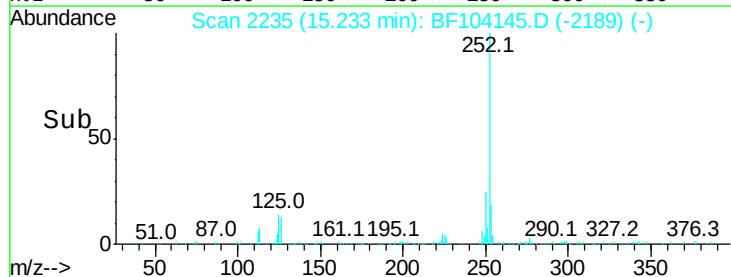
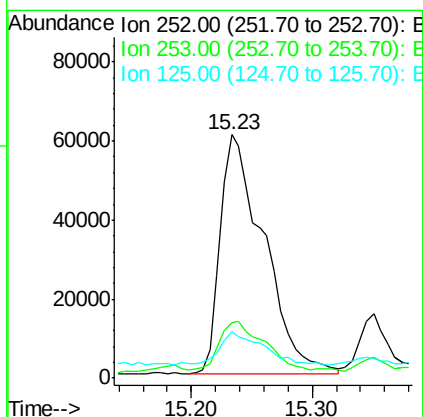
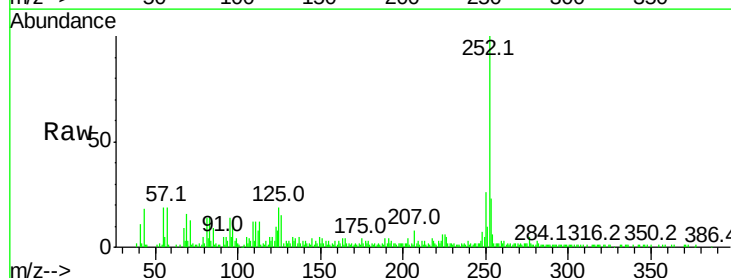
RT: 15.23 min Scan# 2235

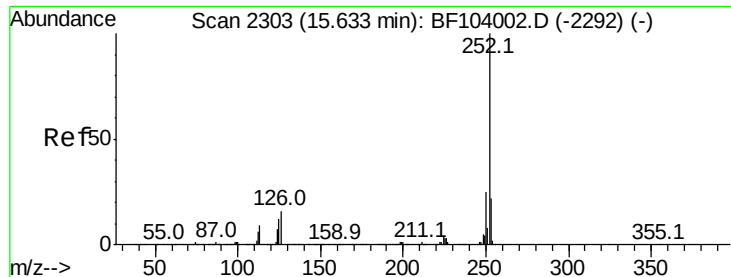
Delta R.T. -0.03 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.9  | 26.9  |
| 125     | 19.1  | 10.2  | 15.2  |





#89

Benzo(a)pyrene

Concen: 7.037 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

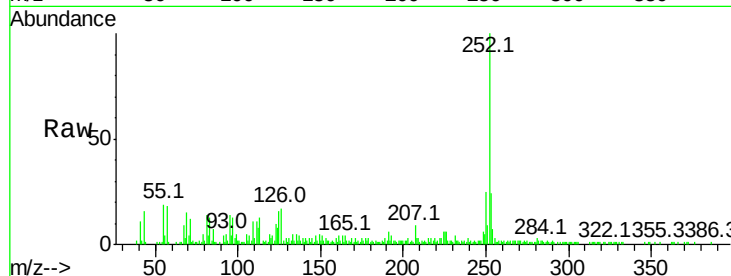
Tot Ion:252 Resp: 91635

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

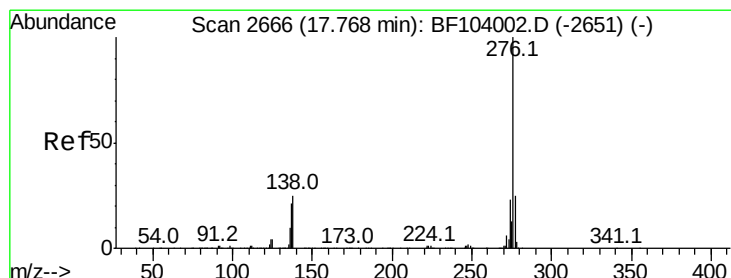
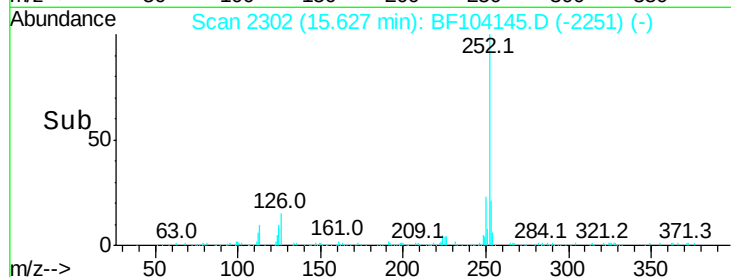
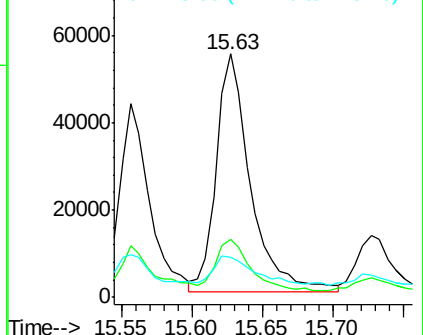
125 16.3 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.828 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.01 min

Lab File: BF104145.D

Acq: 2 Apr 2018 19:37

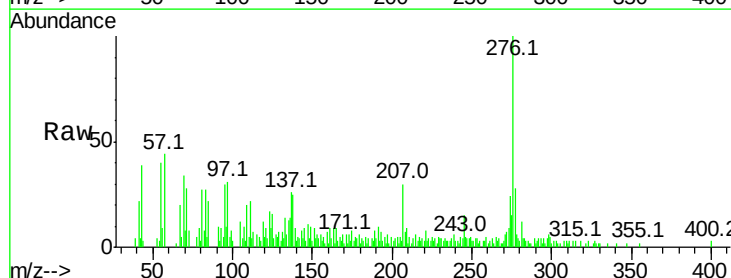
Tgt Ion:276 Resp: 46160

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

138 25.1 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

