

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\  
 Data File : BF100940.D  
 Acq On : 28 Nov 2017 18:06  
 Operator : SJ/JU  
 Sample : I6610-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 00:39:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 61600    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 221398   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 86786    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.39 | 188  | 136368   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 127702   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.52 | 264  | 130456   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 386061 | 100.46 | ng | 0.00 |
| 7) Phenol-d6             | 6.49  | 99  | 445948 | 94.11  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 271063 | 80.94  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 87700  | 99.17  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.22  | 172 | 532428 | 93.42  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.97 | 244 | 401262 | 72.20  | ng | 0.00 |

## Target Compounds

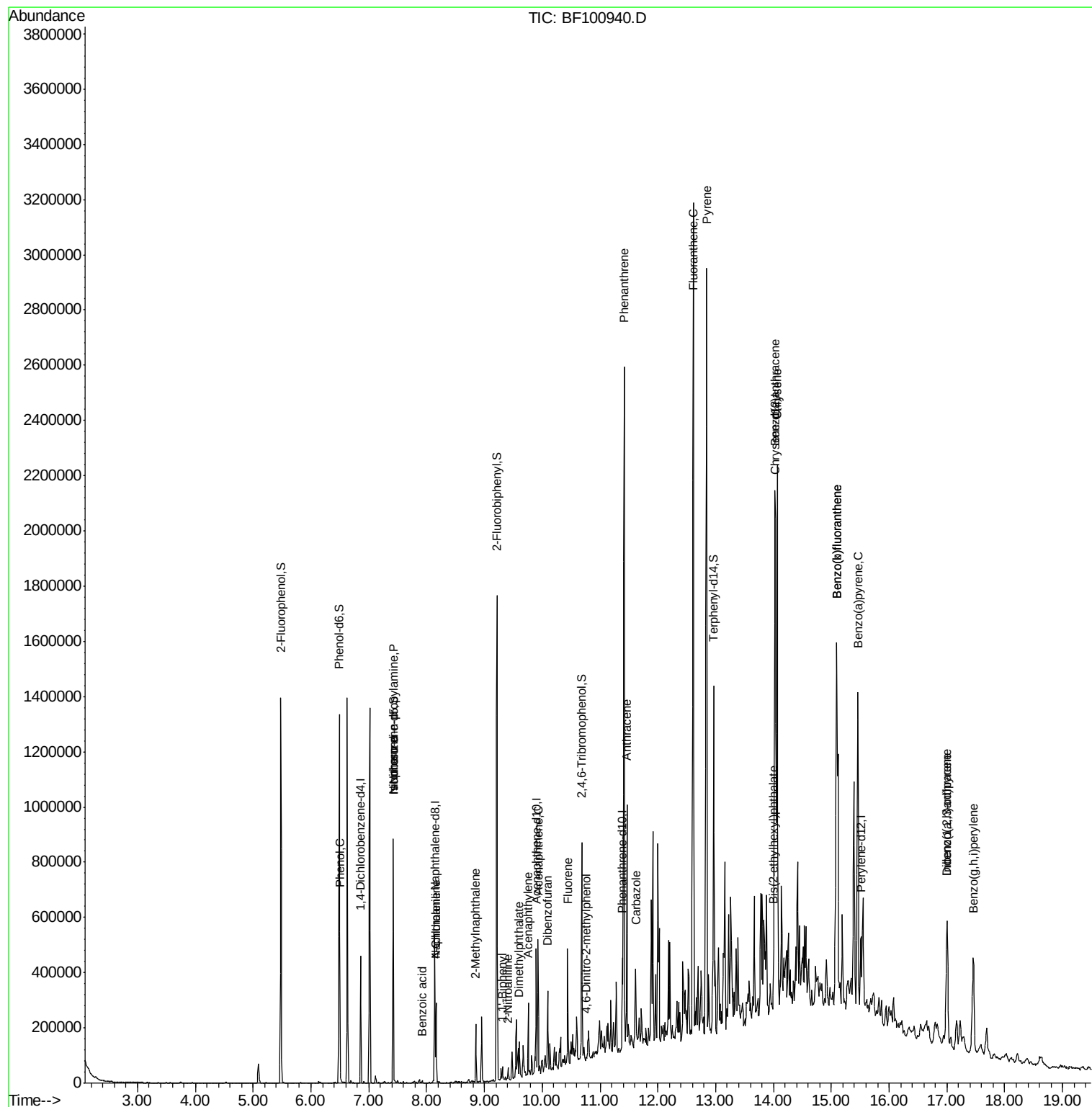
|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 10) Phenol                     | 6.50  | 94  | 17614   | 3.541   | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70  | 35668   | 10.853  | ng | # 81   |
| 25) Isophorone                 | 7.42  | 82  | 271057  | 38.518  | ng | # 64   |
| 31) Naphthalene                | 8.16  | 128 | 119113  | 11.170  | ng | 100    |
| 32) Benzoic acid               | 7.93  | 122 | 1103    | 9.738   | ng | # 19   |
| 33) 4-Chloroaniline            | 8.16  | 127 | 15632   | 3.522   | ng | # 35   |
| 37) 2-Methylnaphthalene        | 8.85  | 142 | 52026   | 7.349   | ng | 98     |
| 45) 1,1'-Biphenyl              | 9.32  | 154 | 15410   | 2.053   | ng | 96     |
| 47) 2-Nitroaniline             | 9.40  | 65  | 279     | 2.947   | ng | # 2    |
| 48) Acenaphthylene             | 9.76  | 152 | 95411   | 10.573  | ng | 100    |
| 49) Dimethylphthalate          | 9.60  | 163 | 39165   | 5.911   | ng | # 97   |
| 51) Acenaphthene               | 9.93  | 154 | 89156   | 16.244  | ng | 99     |
| 54) Dibenzofuran               | 10.10 | 168 | 89575   | 11.645  | ng | 97     |
| 57) Fluorene                   | 10.44 | 166 | 117283  | 20.813  | ng | 100    |
| 64) 4,6-Dinitro-2-methylphenol | 10.76 | 198 | 183     | 8.788   | ng | # 1    |
| 70) Phenanthrene               | 11.42 | 178 | 1188920 | 165.589 | ng | 99     |
| 71) Anthracene                 | 11.46 | 178 | 312451  | 42.893  | ng | 99     |
| 72) Carbazole                  | 11.62 | 167 | 110352  | 16.418  | ng | 97     |
| 74) Fluoranthene               | 12.62 | 202 | 1632876 | 214.587 | ng | 97     |
| 77) Pyrene                     | 12.85 | 202 | 1525852 | 167.619 | ng | 99     |
| 80) Benzo(a)anthracene         | 14.03 | 228 | 941610  | 122.443 | ng | 99     |
| 82) Chrysene                   | 14.07 | 228 | 785333  | 105.458 | ng | 97     |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 14747   | 3.020   | ng | # 90   |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276 | 331004  | 54.953  | ng | # 88   |
| 87) Benzo(b)fluoranthene       | 15.09 | 252 | 1270021 | 164.323 | ng | 98     |
| 88) Benzo(k)fluoranthene       | 15.09 | 252 | 1270021 | 173.913 | ng | 98     |
| 89) Benzo(a)pyrene             | 15.46 | 252 | 634879  | 92.658  | ng | 95     |
| 90) Dibenzo(a,h)anthracene     | 17.01 | 278 | 86041   | 15.355  | ng | 93     |
| 91) Benzo(g,h,i)perylene       | 17.46 | 276 | 301468  | 54.960  | ng | # 93   |

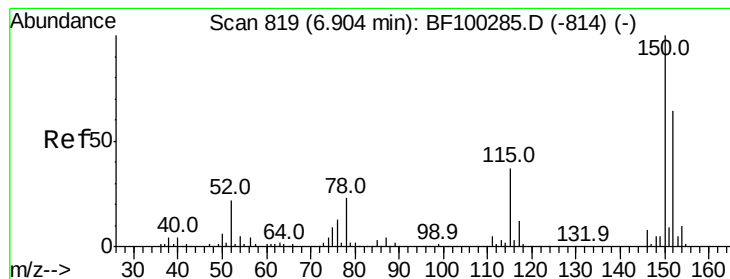
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :

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QLast Update : Tue Nov 28 15:21:02 2017  
Response via : Initial Calibration



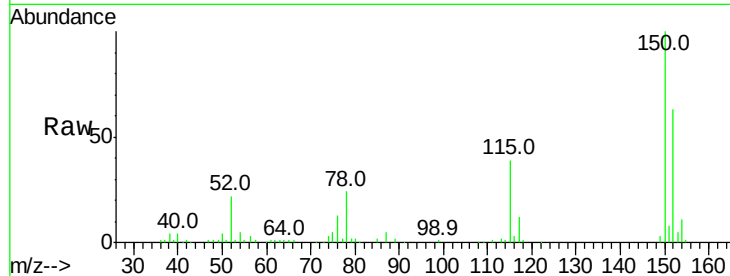


#1

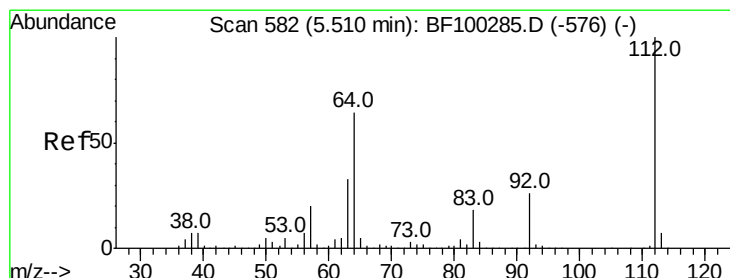
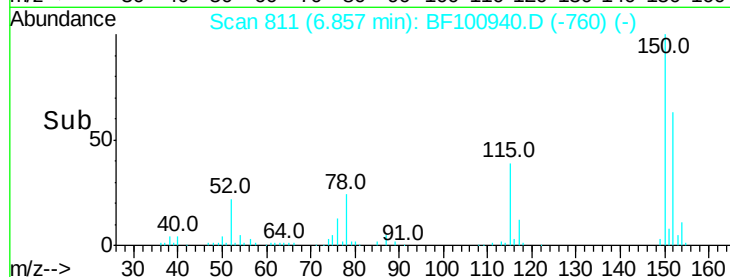
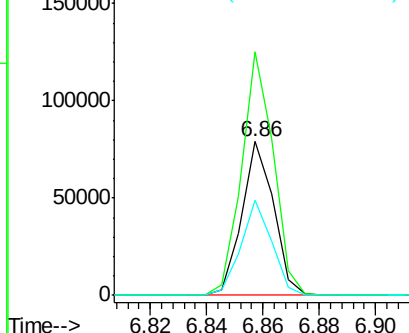
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 61600  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.6 186.8  
115 61.9 50.1 75.1



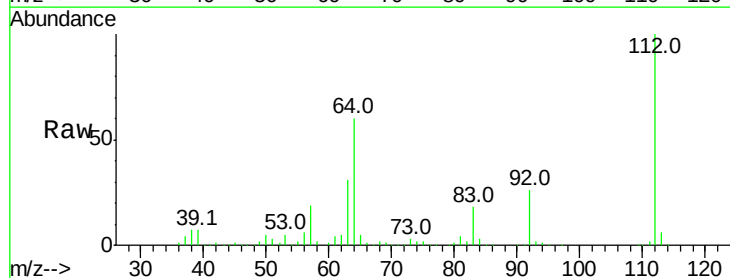
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



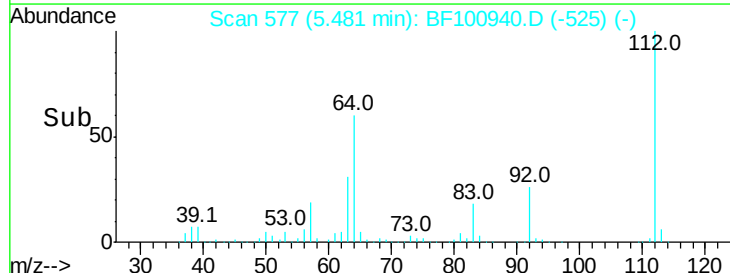
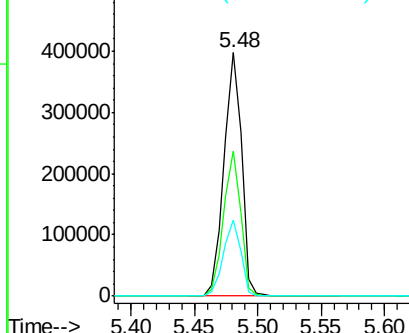
#5

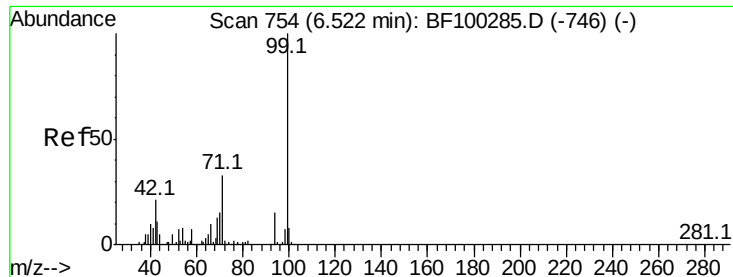
2-Fluorophenol  
Concen: 100.463 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Tgt Ion:112 Resp: 386061  
Ion Ratio Lower Upper  
112 100  
64 59.7 47.9 71.9  
63 31.4 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: 94.107 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

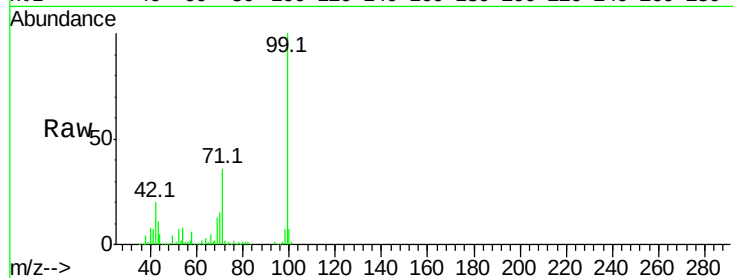
Tot Ion: 99 Resp: 445948

Ion Ratio Lower Upper

99 100

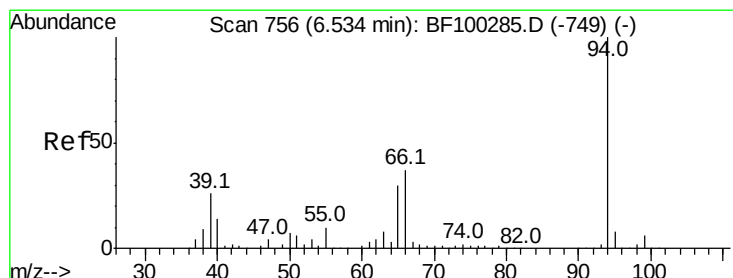
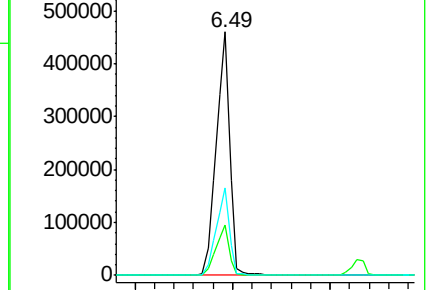
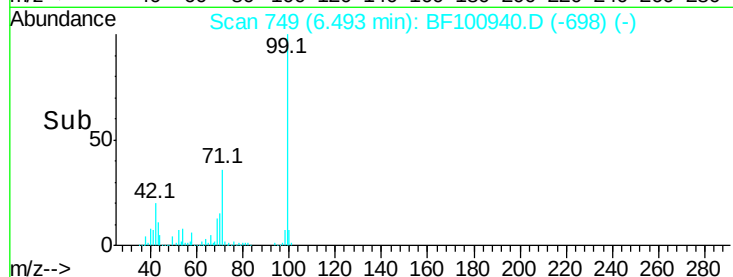
42 20.4 14.5 21.7

71 35.9 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

6.49



#10

Phenol

Concen: 3.541 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

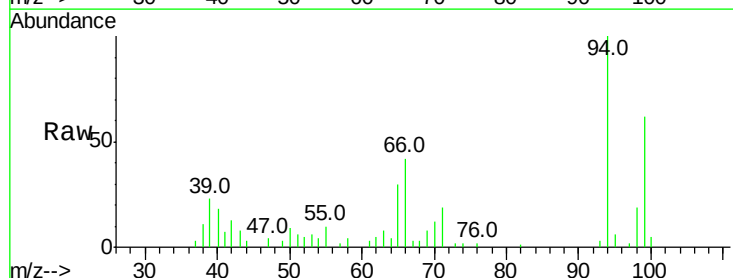
Tgt Ion: 94 Resp: 17614

Ion Ratio Lower Upper

94 100

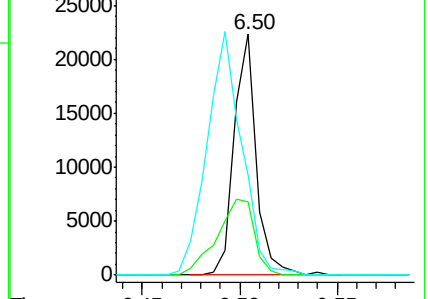
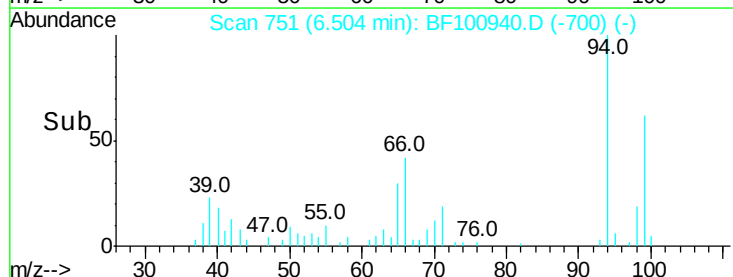
65 30.3 7.9 47.9

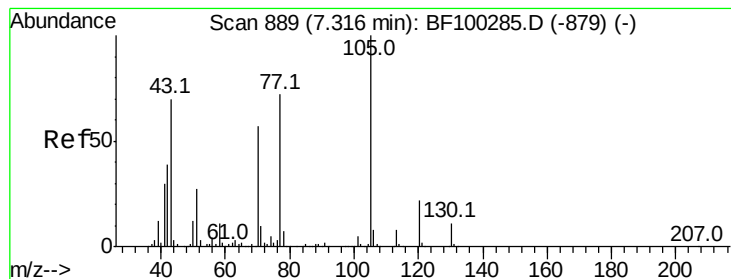
66 41.8 16.2 56.2



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

6.50





#19

n-Nitroso-di-n-propylamine

Concen: 10.853 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 35668

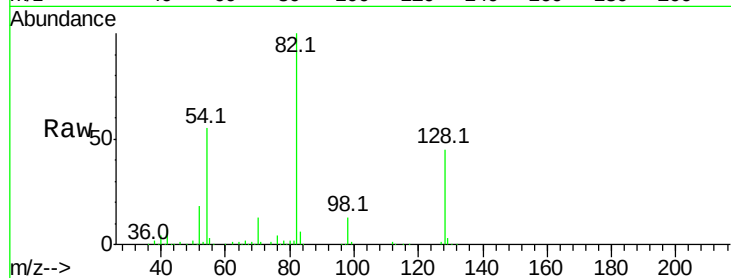
Ion Ratio Lower Upper

70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

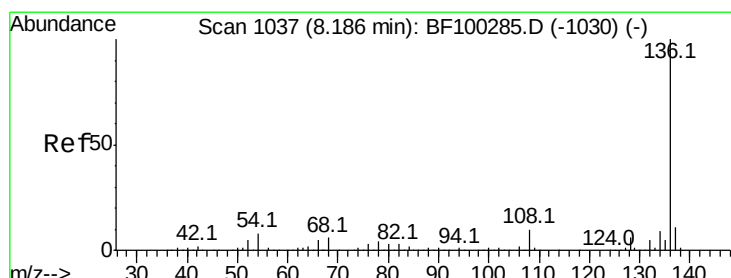
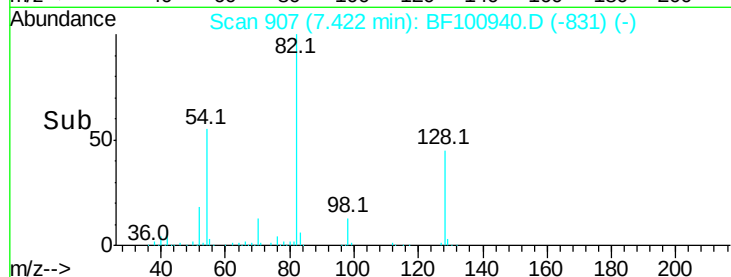
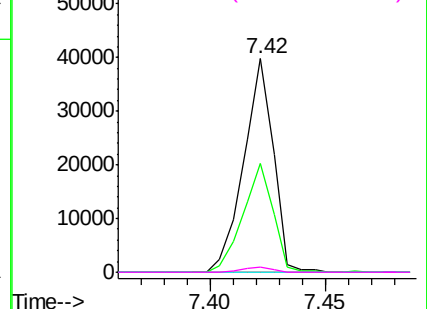


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Tgt Ion: 136 Resp: 221398

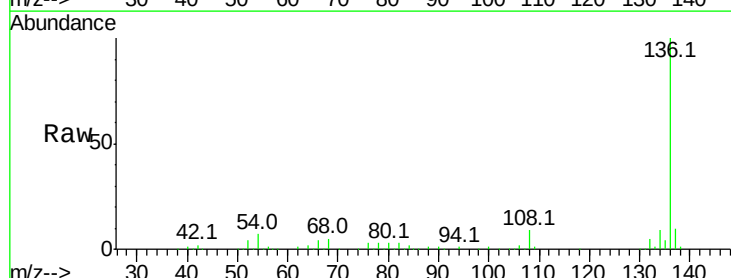
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.5 6.6 9.8

68 4.7 5.0 7.4#

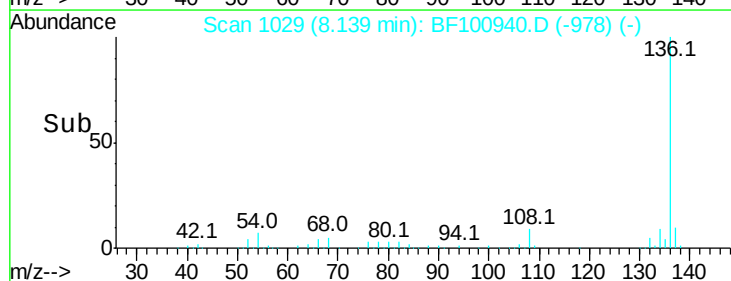
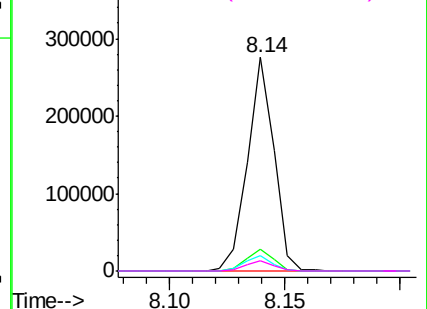


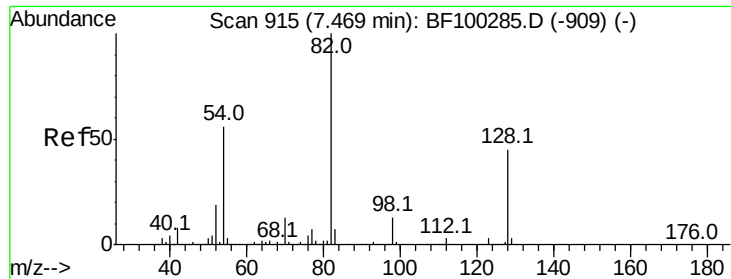
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

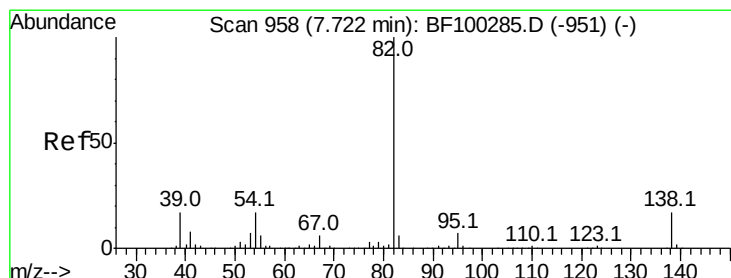
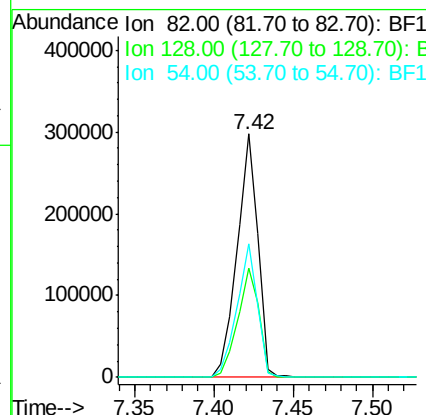
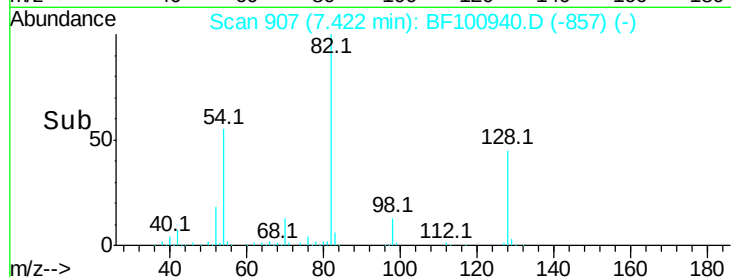
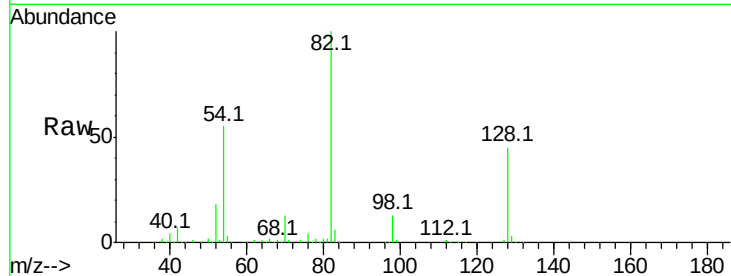




#23  
 Nitrobenzene-d5  
 Concen: 80.944 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

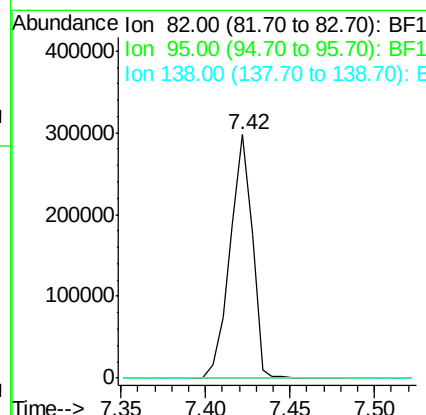
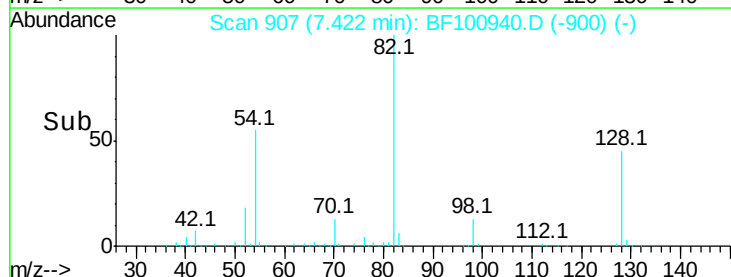
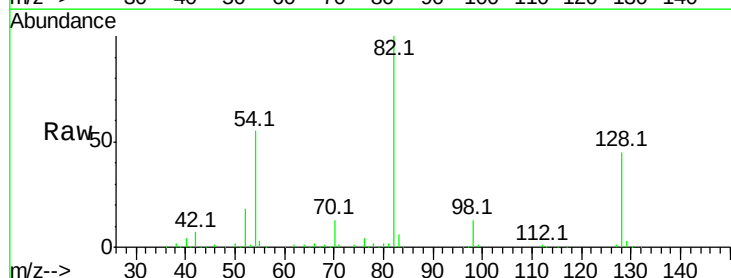
Instrument :  
 BNA\_F  
 ClientSampleId :

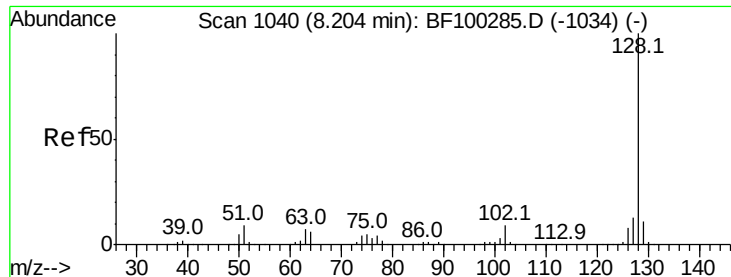
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.0  | 36.1  | 54.1  |
| 54      | 55.1  | 41.4  | 62.2  |



#25  
 Isophorone  
 Concen: 38.518 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.26 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

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

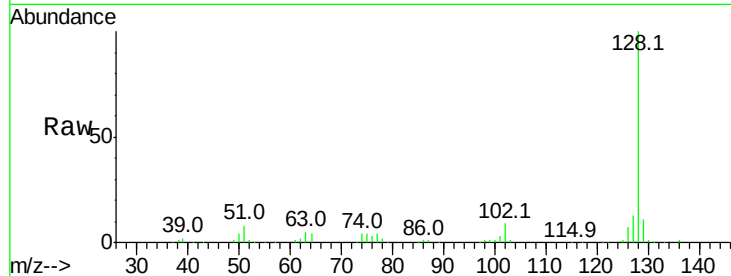




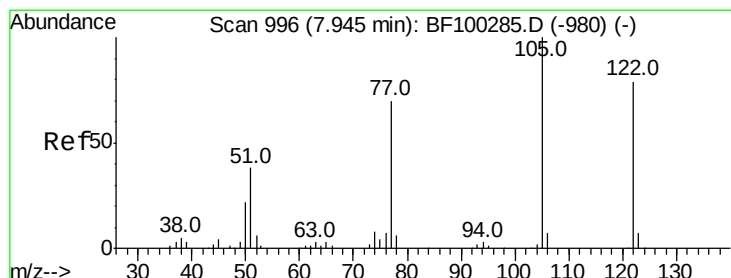
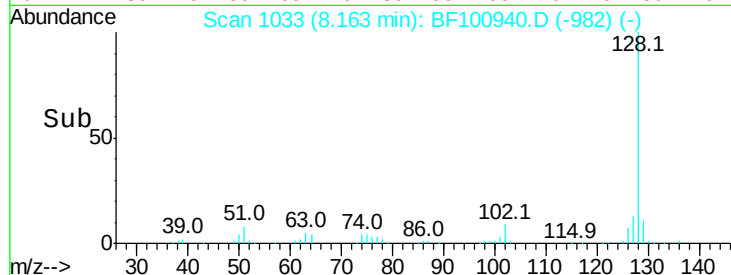
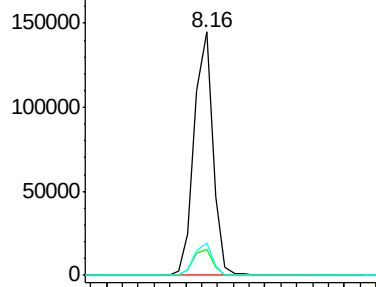
#31  
Naphthalene  
Concen: 11.170 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. 0.00 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 119113  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 13.4 10.9 16.3

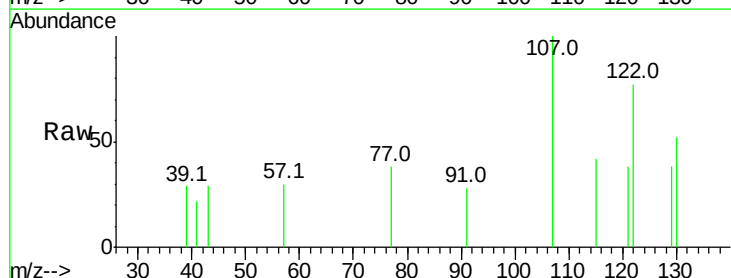


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

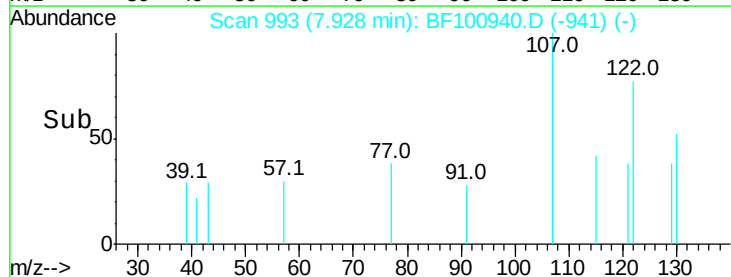
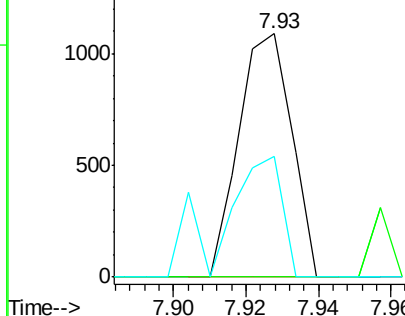


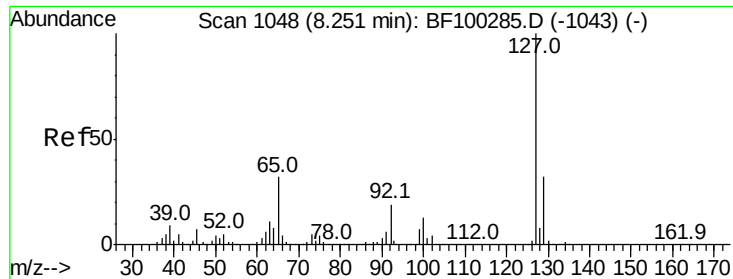
#32  
Benzoic acid  
Concen: 9.738 ng  
RT: 7.93 min Scan# 993  
Delta R.T. 0.01 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Tgt Ion:122 Resp: 1103  
Ion Ratio Lower Upper  
122 100  
105 0.0 101.1 141.1#  
77 49.7 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

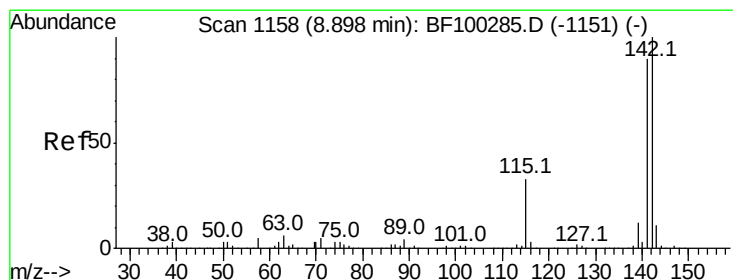
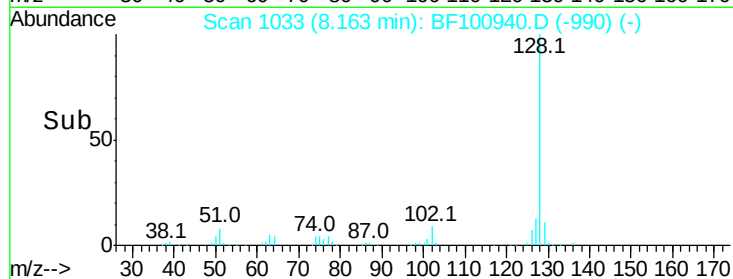
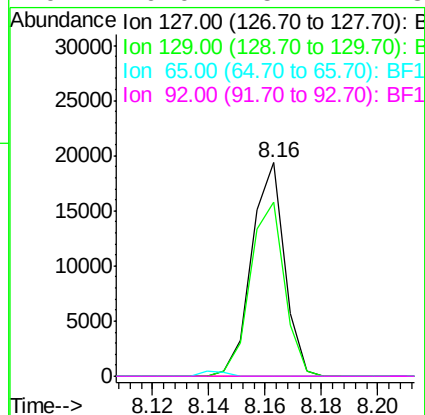
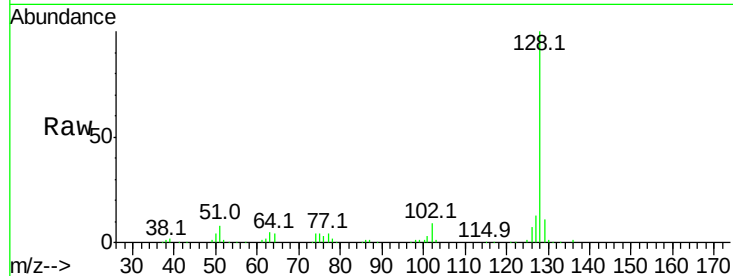




#33  
 4-Chloroaniline  
 Concen: 3.522 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. -0.05 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

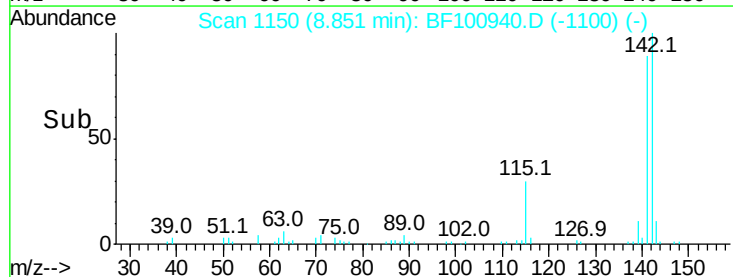
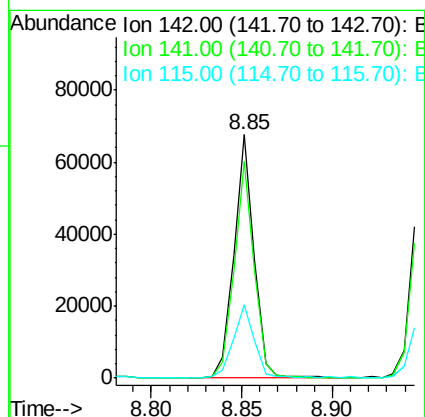
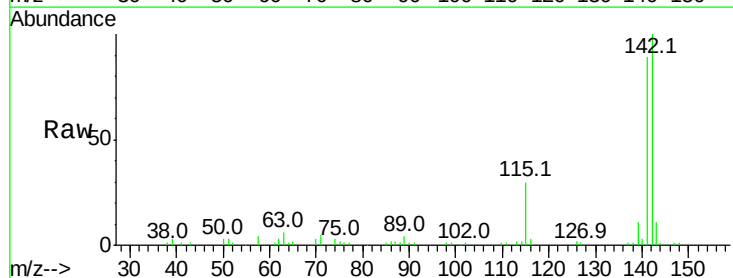
Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 15632 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 81.6  | 25.9  | 38.9# |
| 65       | 0.0   | 25.0  | 37.4# |
| 92       | 0.0   | 15.2  | 22.8# |

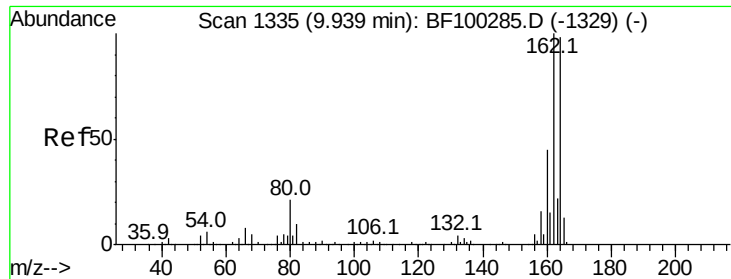


#37  
 2-Methylnaphthalene  
 Concen: 7.349 ng  
 RT: 8.85 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 52026 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 89.1  | 70.8  | 106.2 |
| 115      | 30.3  | 26.1  | 39.1  |



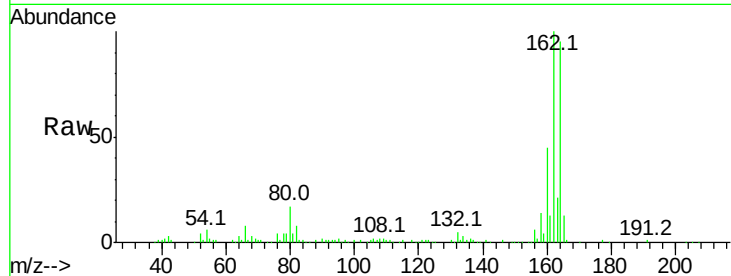




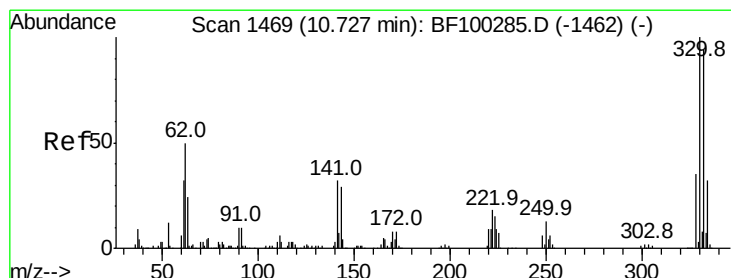
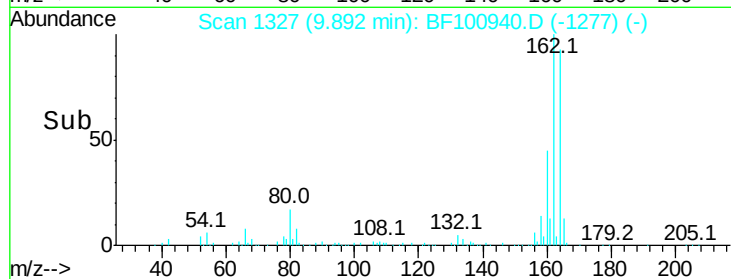
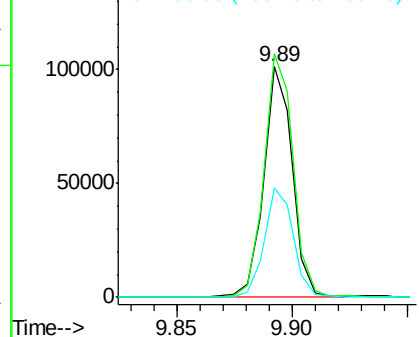
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 86786  
 Ion Ratio Lower Upper  
 164 100  
 162 105.7 86.1 129.1  
 160 47.3 38.3 57.5

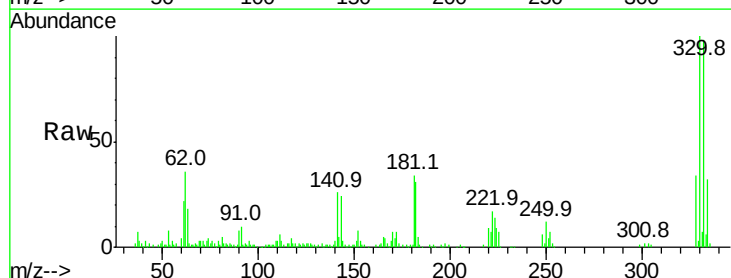


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

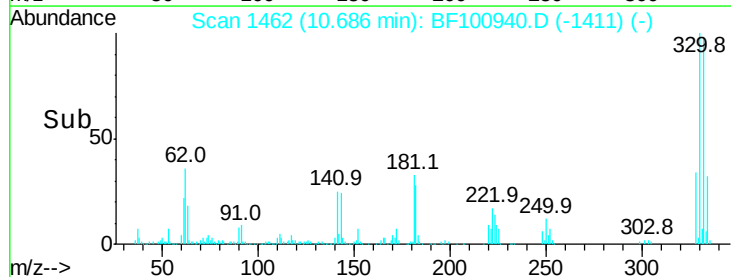
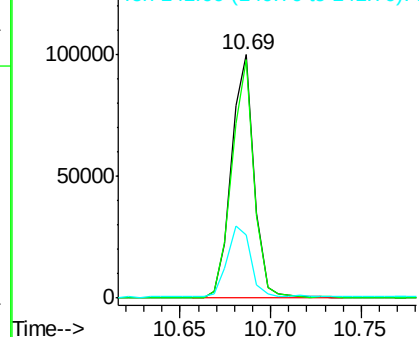


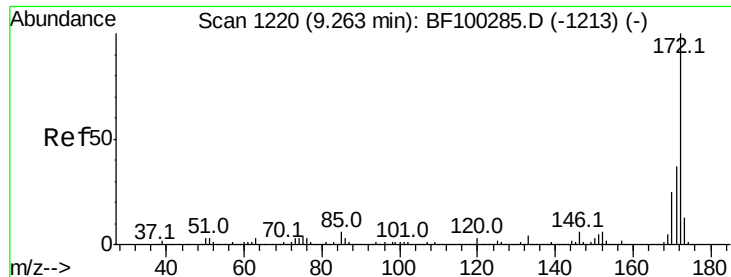
#41  
 2,4,6-Tribromophenol  
 Concen: 99.169 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.00 min  
 Lab File: BF100940.D  
 Acq: 28 Nov 2017 18:06

Tgt Ion:330 Resp: 87700  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.0 115.6  
 141 29.6 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

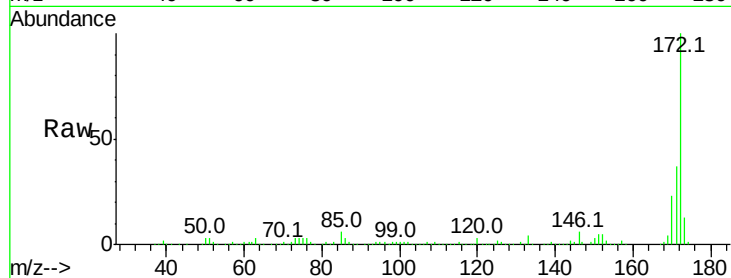




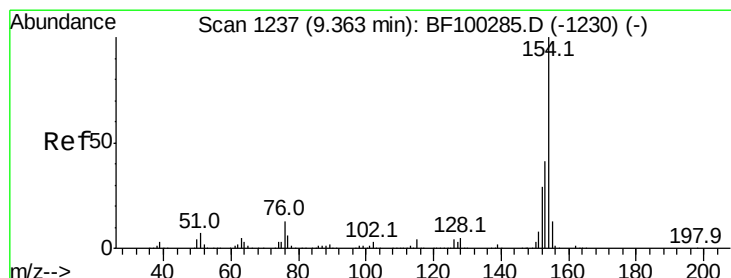
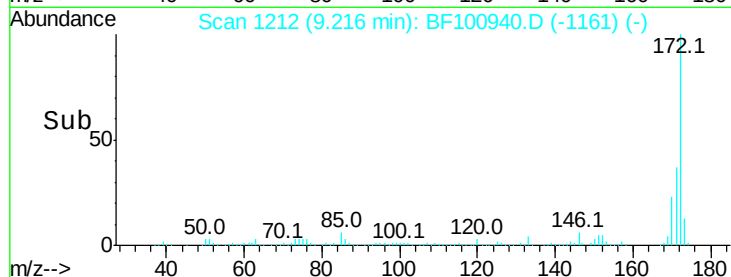
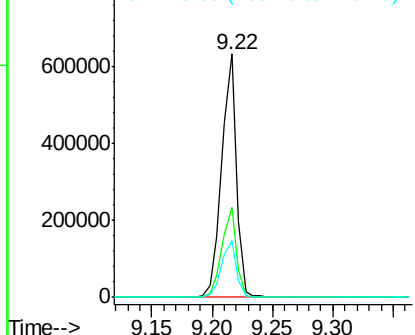
#44  
2-Fluorobiphenyl  
Concen: 93.418 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. 0.00 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 532428  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.7 44.5  
170 23.5 19.6 29.4

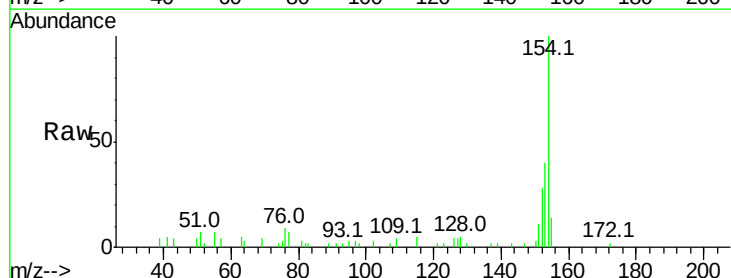


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

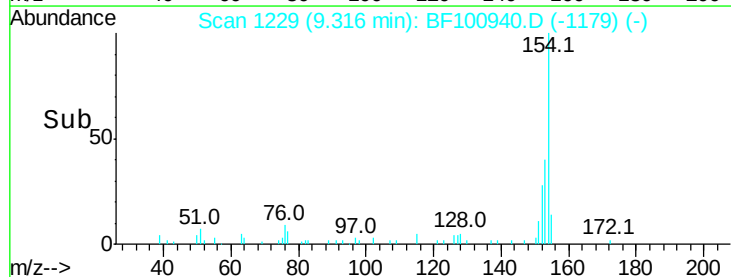
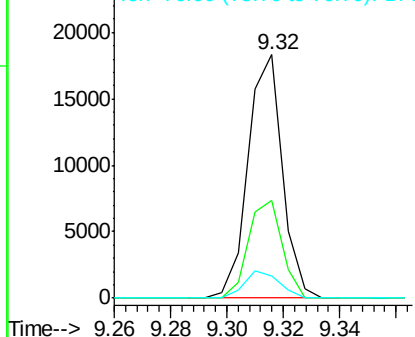


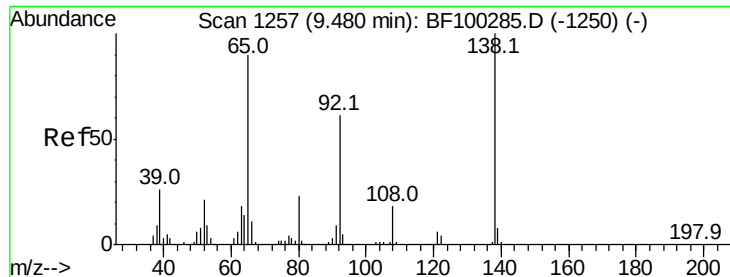
#45  
1,1'-Biphenyl  
Concen: 2.053 ng  
RT: 9.32 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Tgt Ion:154 Resp: 15410  
Ion Ratio Lower Upper  
154 100  
153 40.2 21.3 61.3  
76 8.9 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Nitroaniline

Concen: 2.947 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.04 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampled :

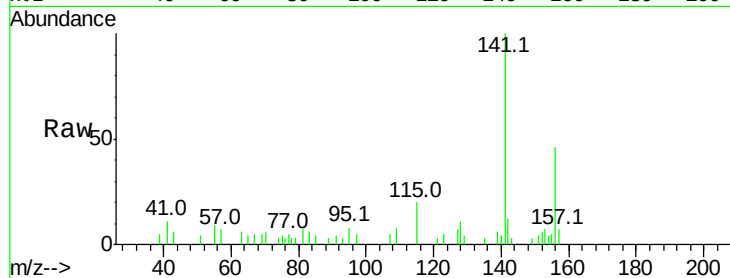
Tot Ion: 65 Resp: 279

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

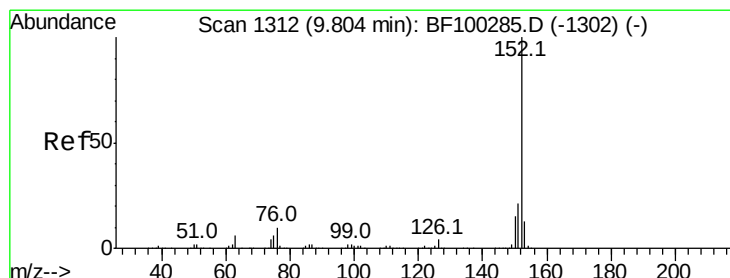
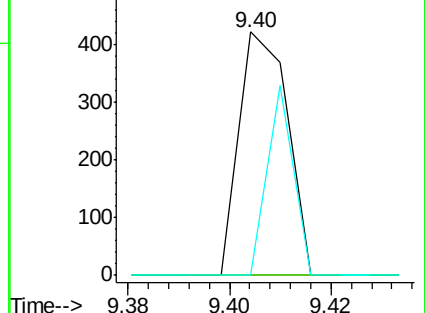
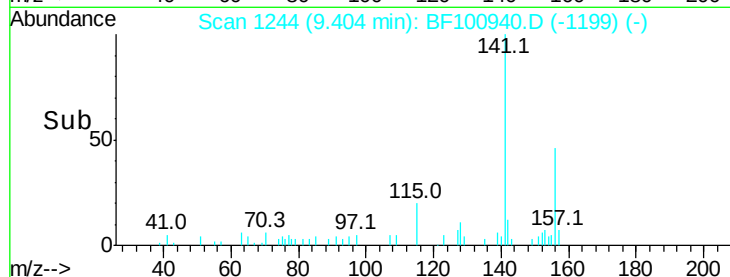
138 0.0 91.2 136.8#



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): BF1



#48

Acenaphthylene

Concen: 10.573 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

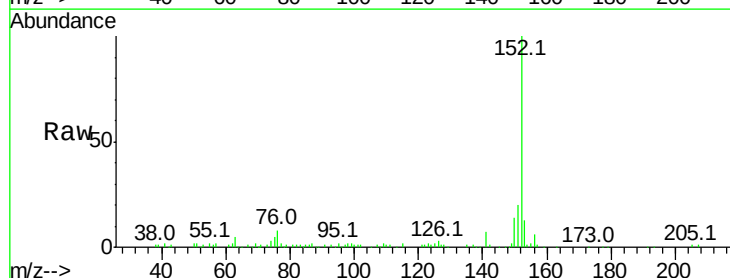
Tgt Ion: 152 Resp: 95411

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

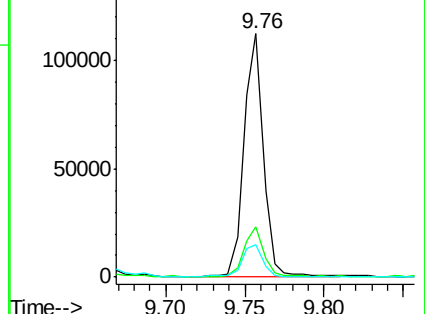
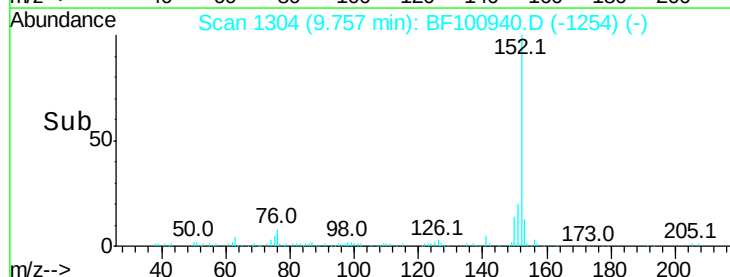
153 13.2 10.7 16.1

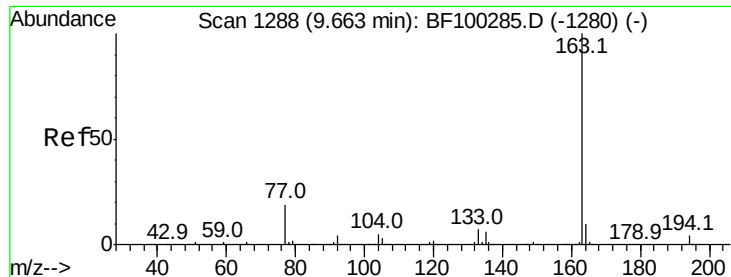


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.911 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

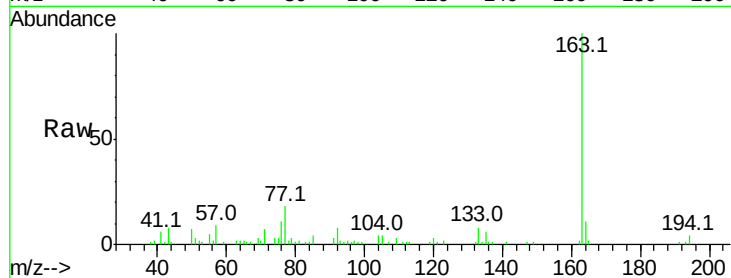
Tot Ion:163 Resp: 39165

Ion Ratio Lower Upper

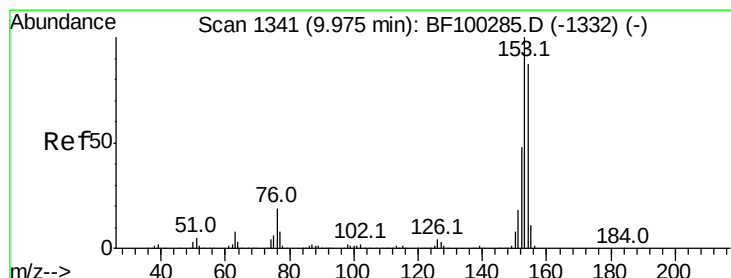
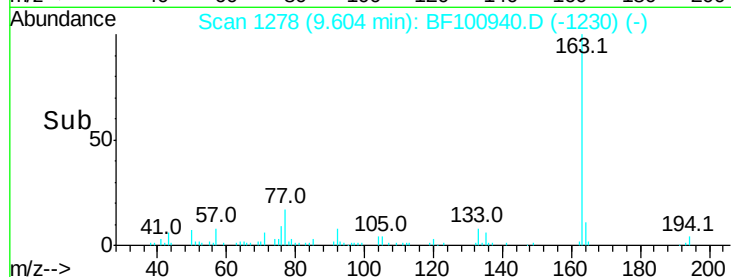
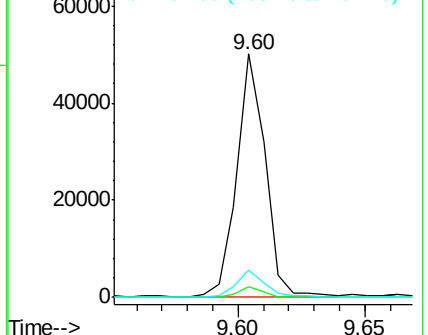
163 100

194 4.3 2.7 4.1#

164 11.4 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: 16.244 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

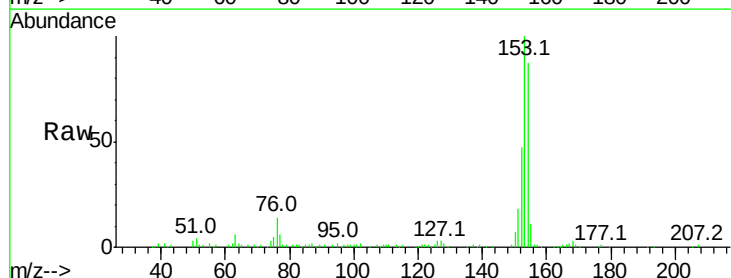
Tgt Ion:154 Resp: 89156

Ion Ratio Lower Upper

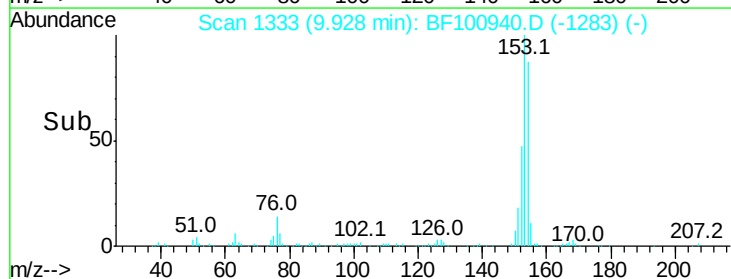
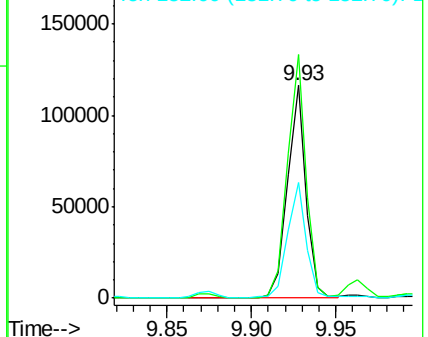
154 100

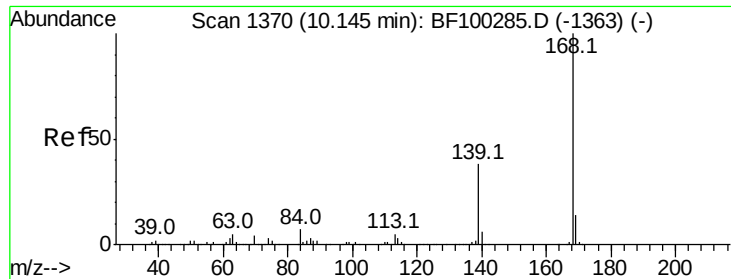
153 114.4 91.2 136.8

152 54.1 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

Dibenzofuran

Concen: 11.645 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

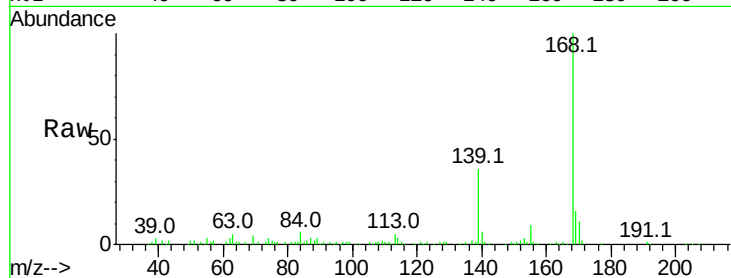
Tot Ion:168 Resp: 89575

Ion Ratio Lower Upper

168 100

139 36.0 30.1 45.1

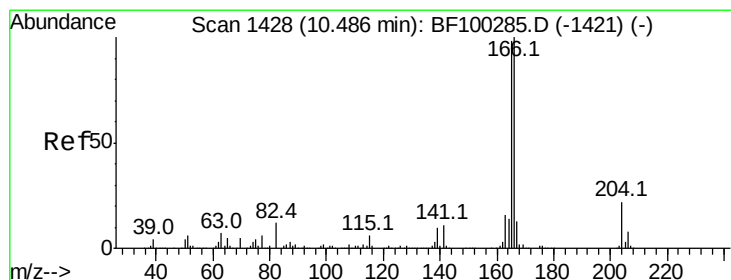
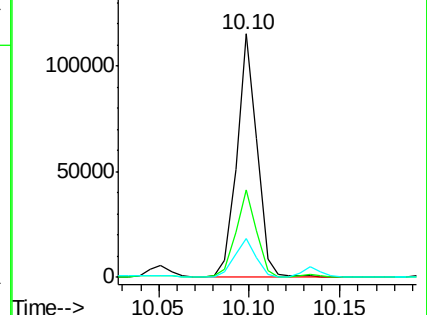
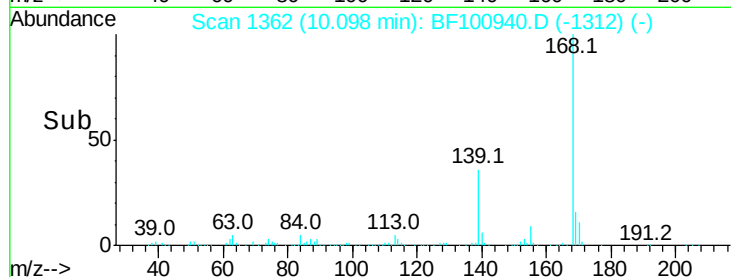
169 15.9 10.9 16.3



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: 20.813 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

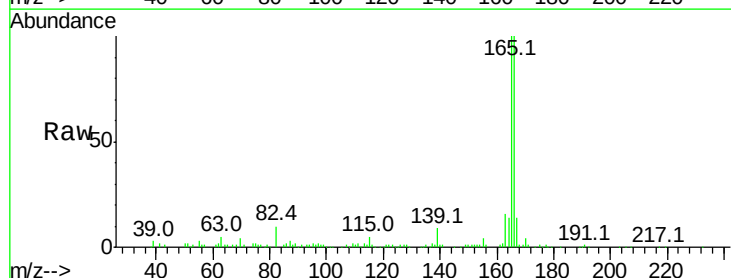
Tgt Ion:166 Resp: 117283

Ion Ratio Lower Upper

166 100

165 99.9 79.8 119.8

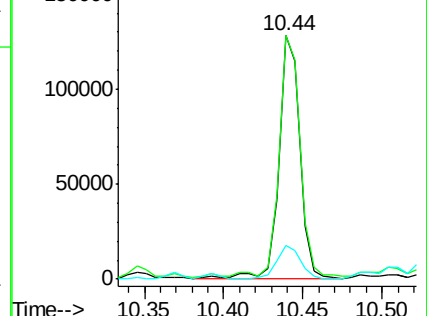
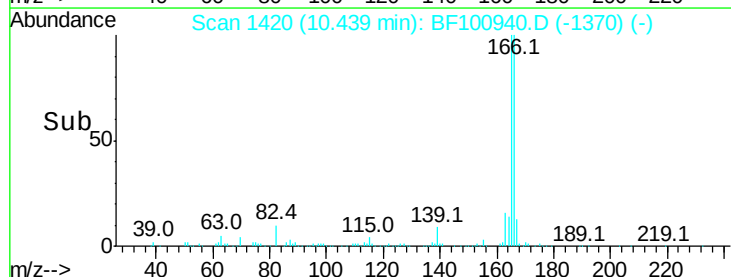
167 14.0 10.6 16.0

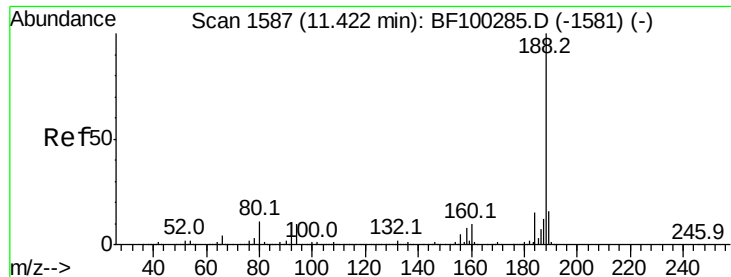


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

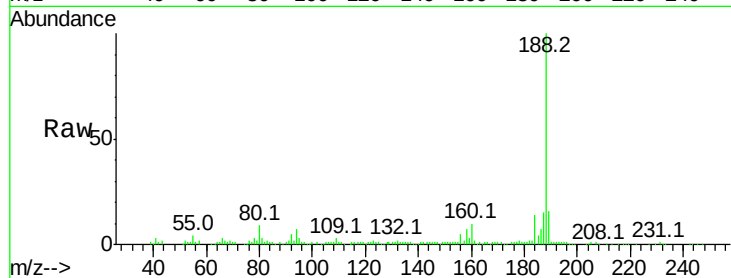
Tot Ion:188 Resp: 136368

Ion Ratio Lower Upper

188 100

94 7.5 8.5 12.7#

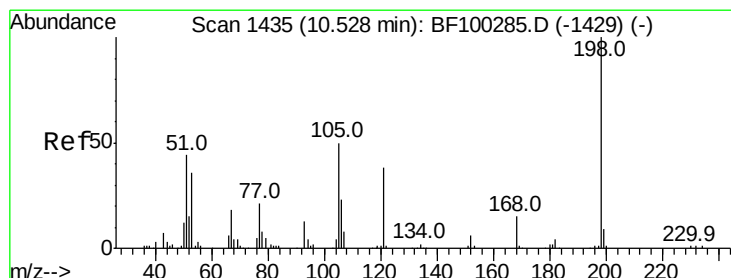
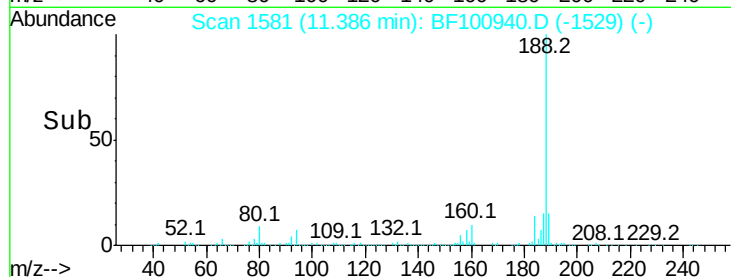
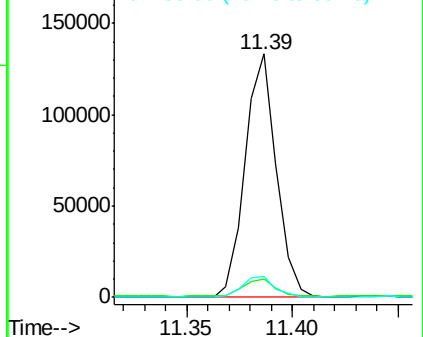
80 8.6 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.788 ng

RT: 10.76 min Scan# 1474

Delta R.T. 0.26 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

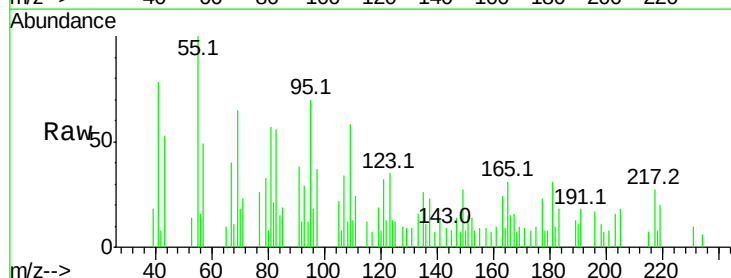
Tgt Ion:198 Resp: 183

Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

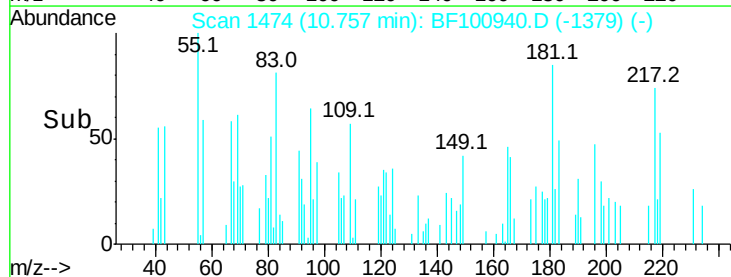
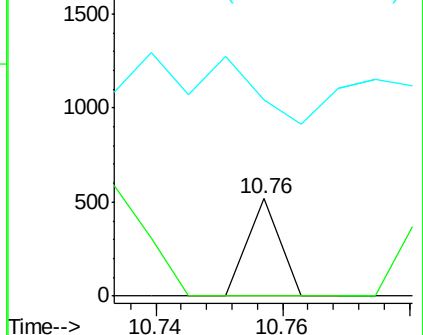
105 201.2 36.3 76.3#

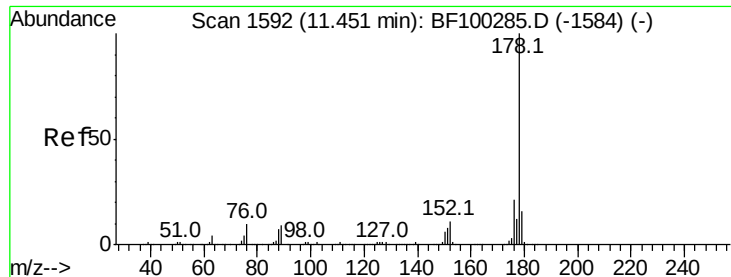


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 165.589 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

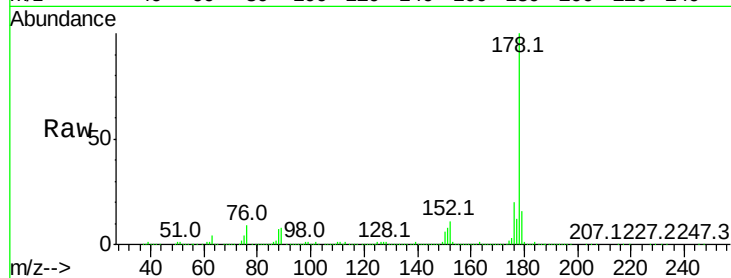
Tot Ion:178 Resp: 1188920

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

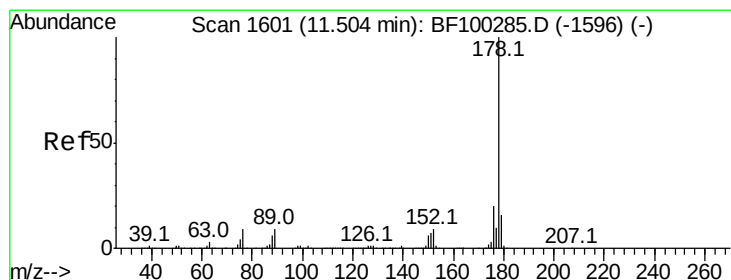
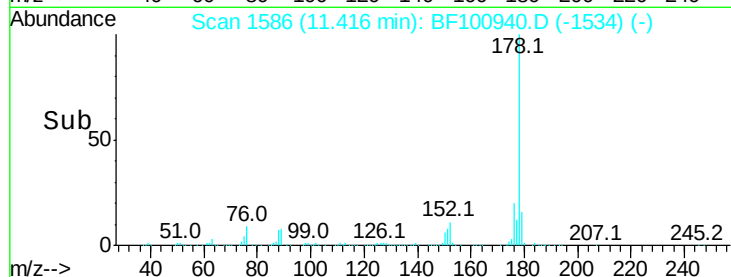
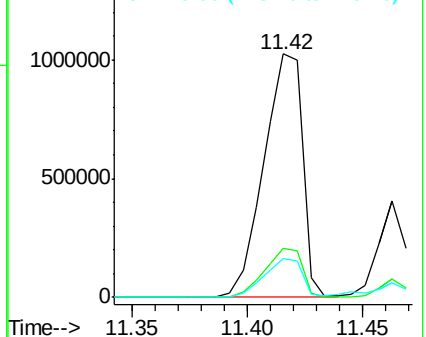
179 16.1 13.0 19.6



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: 42.893 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

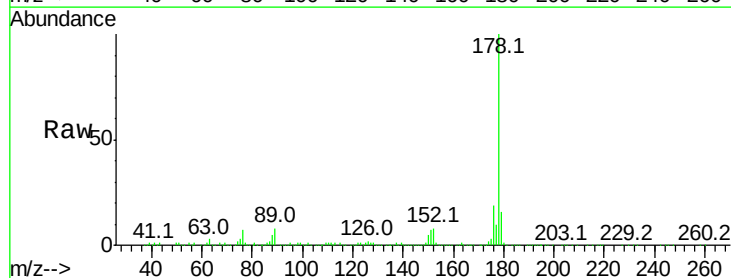
Tgt Ion:178 Resp: 312451

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

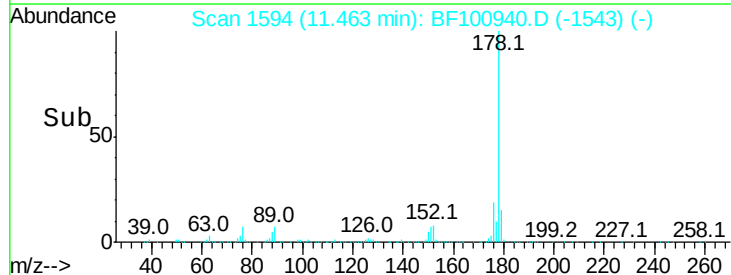
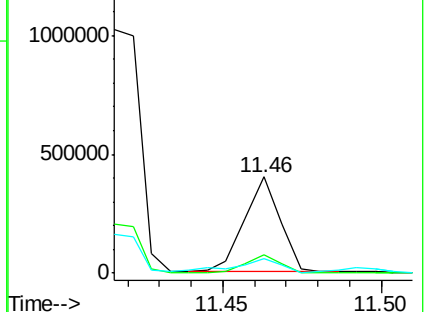
179 15.7 12.6 19.0

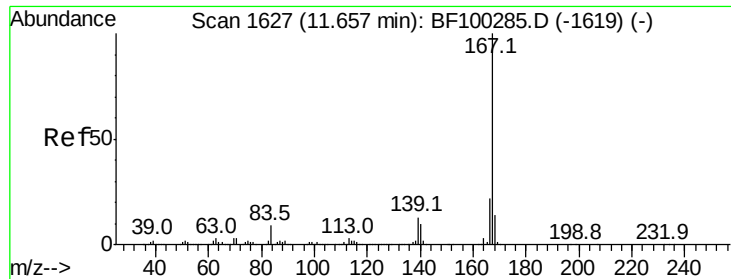


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 16.418 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

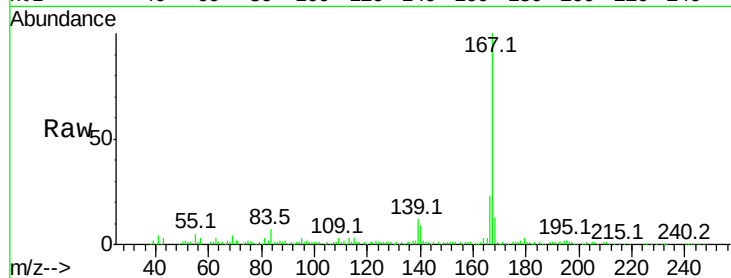
Tot Ion:167 Resp: 110352

Ion Ratio Lower Upper

167 100

166 23.2 17.6 26.4

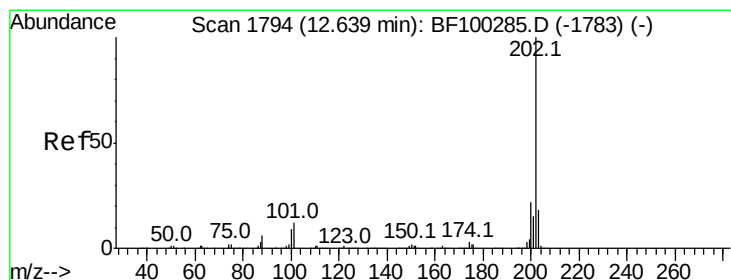
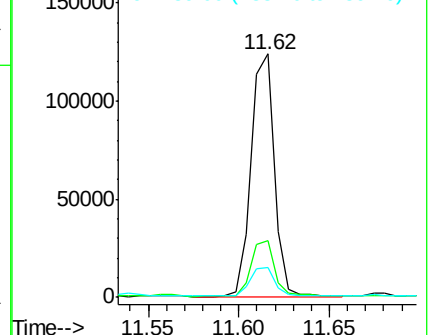
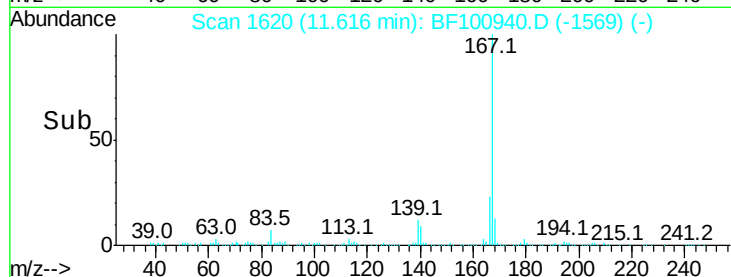
139 12.2 10.9 16.3



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: 214.587 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.02 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

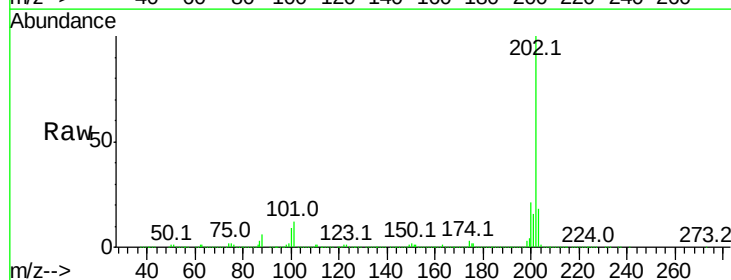
Tgt Ion:202 Resp: 1632876

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

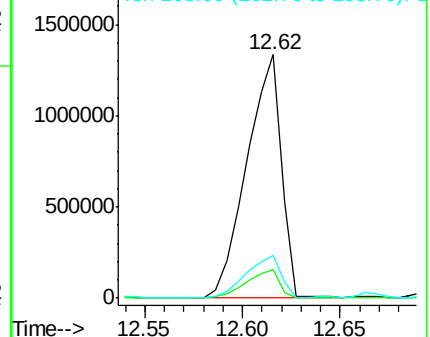
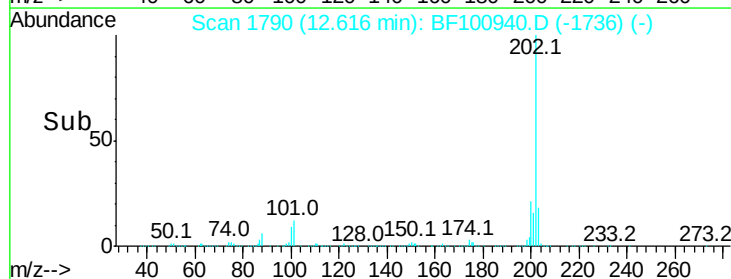
203 17.6 0.0 38.1



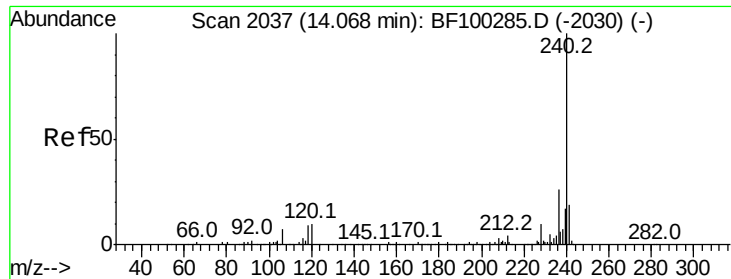
Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

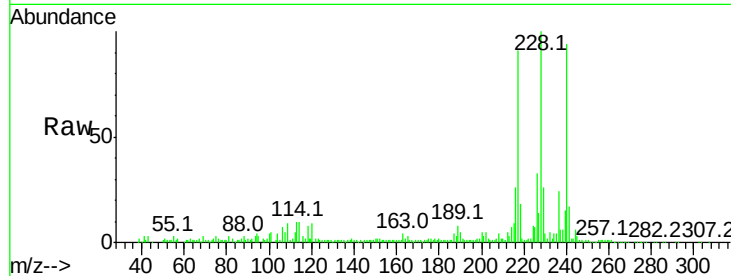
Tot Ion:240 Resp: 127702

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

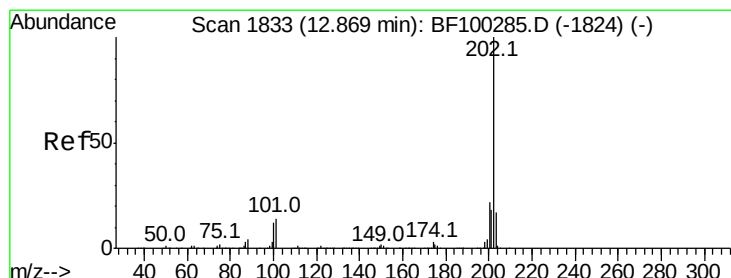
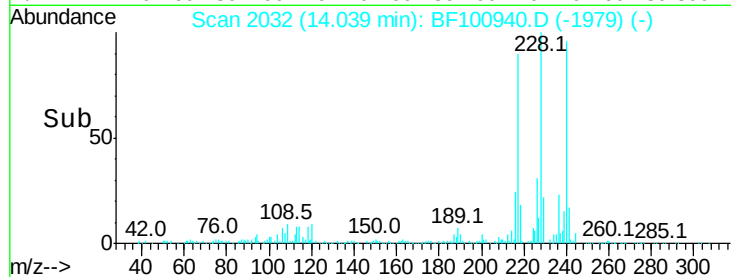
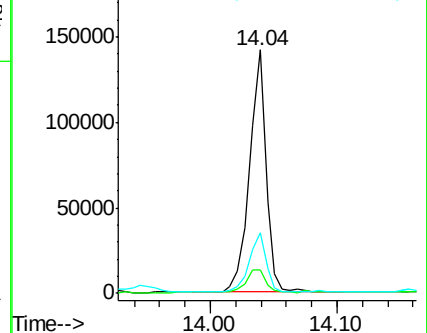
236 25.1 20.7 31.1



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

Pyrene

Concen: 167.619 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

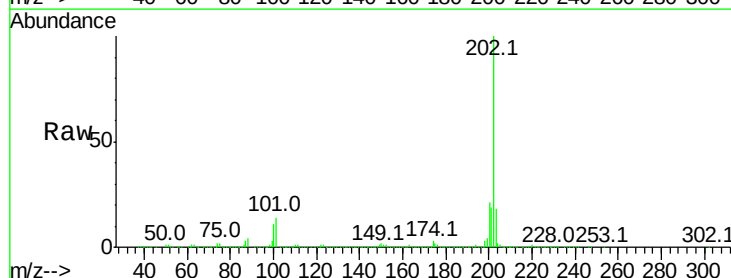
Tgt Ion:202 Resp: 1525852

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

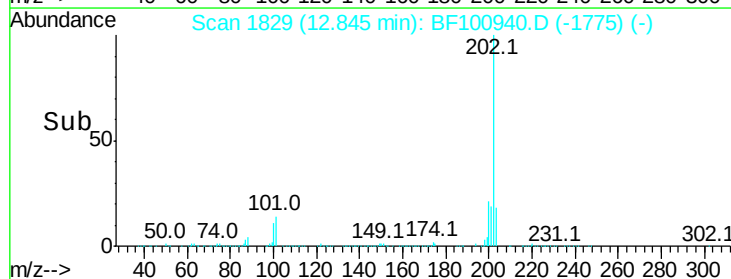
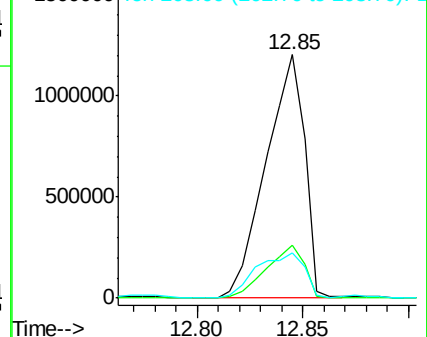
203 18.4 14.3 21.5

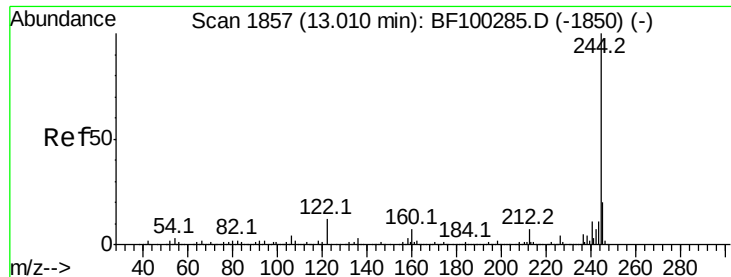


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.198 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

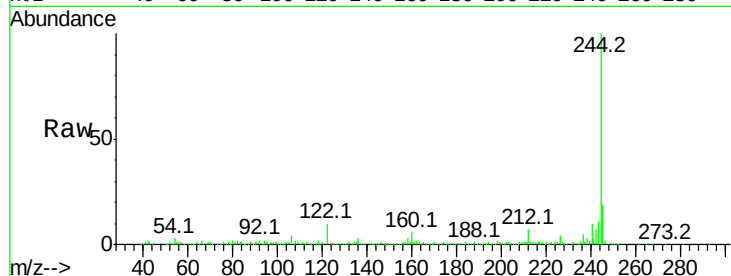
Tot Ion:244 Resp: 401262

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

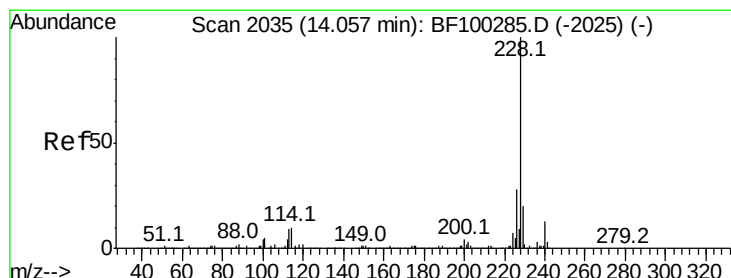
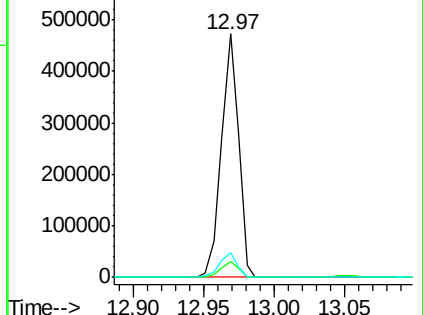
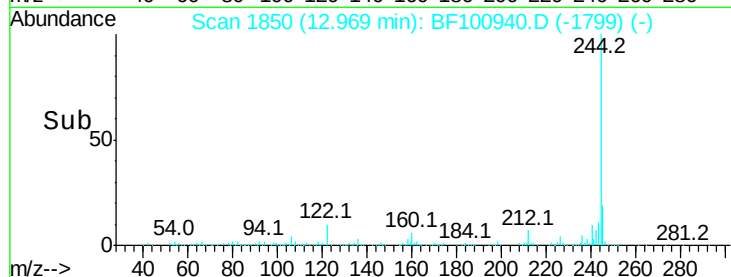
122 10.4 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 122.443 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

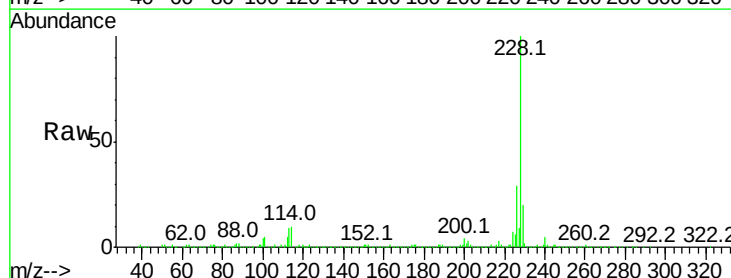
Tgt Ion:228 Resp: 941610

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

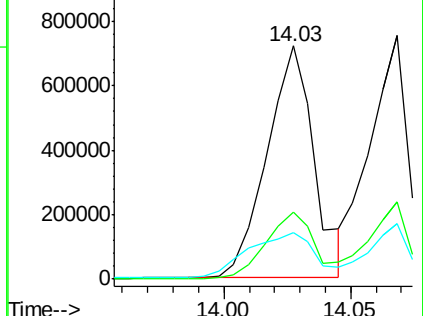
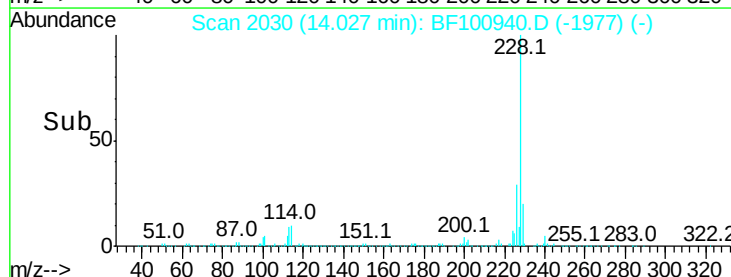
229 20.1 15.8 23.6

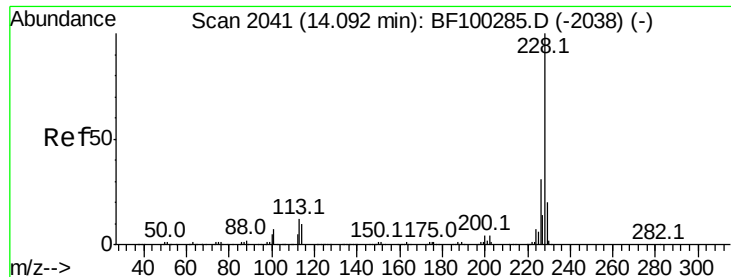


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 105.458 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampled :

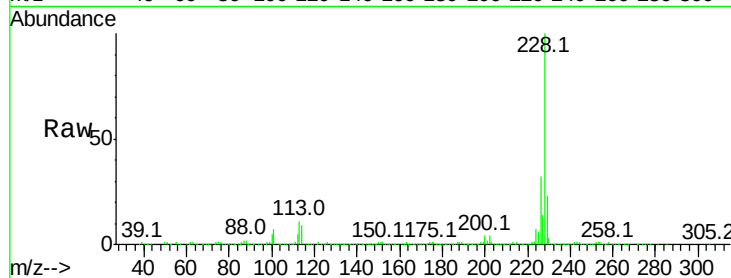
Tot Ion:228 Resp: 785333

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

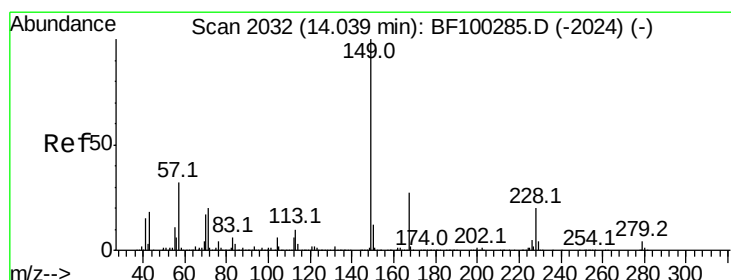
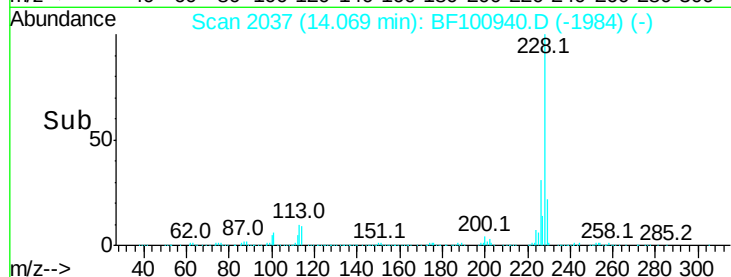
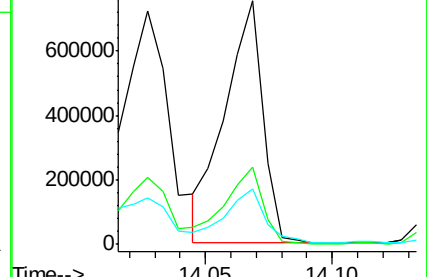
229 23.0 16.2 24.4



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: 3.020 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

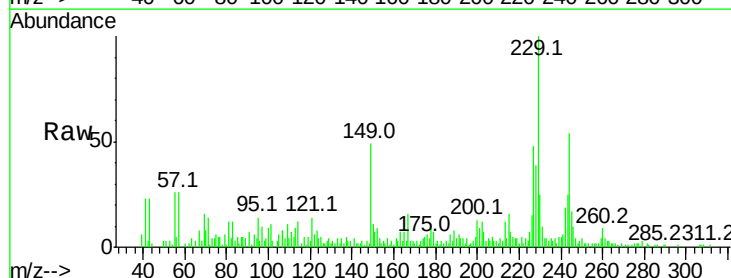
Tgt Ion:149 Resp: 14747

Ion Ratio Lower Upper

149 100

167 32.0 21.3 31.9#

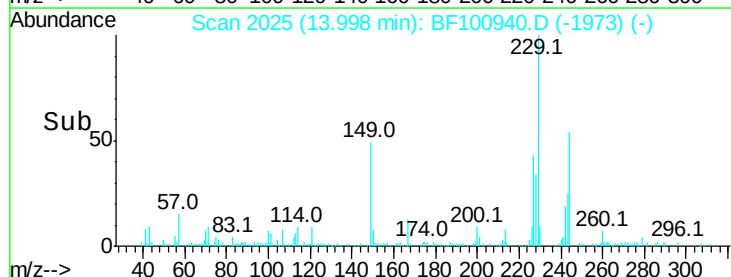
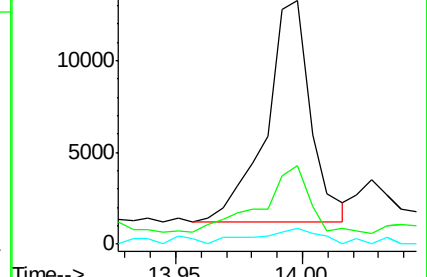
279 6.5 3.0 4.4#

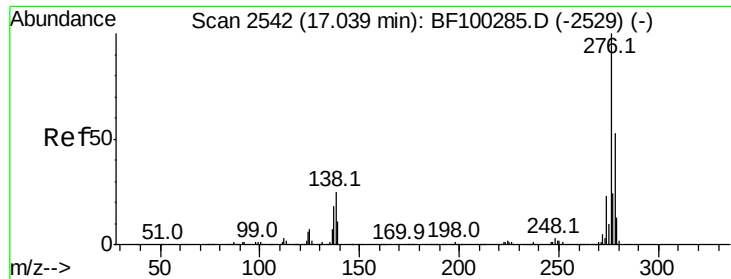


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

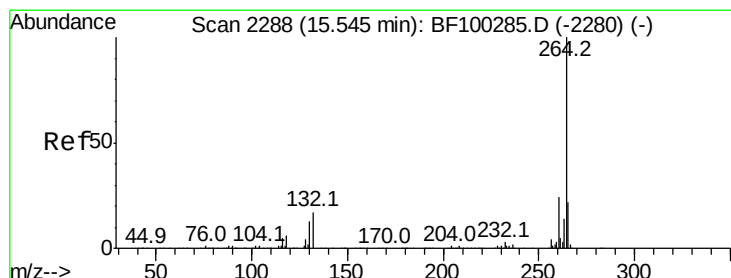
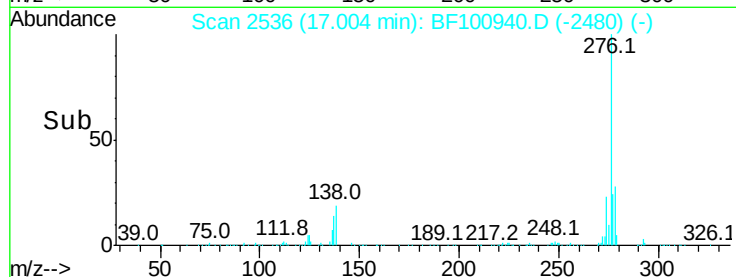
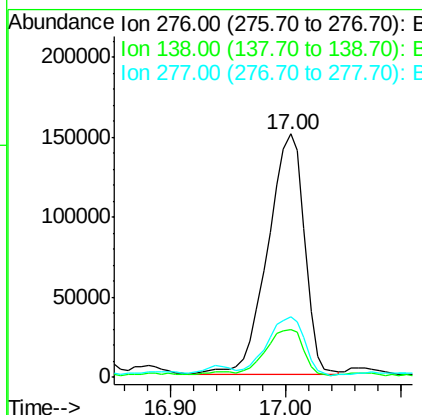
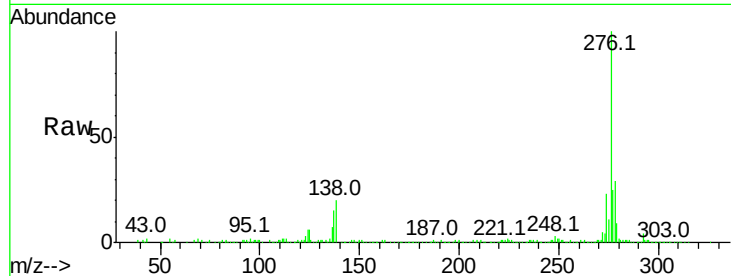




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 54.953 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. 0.03 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

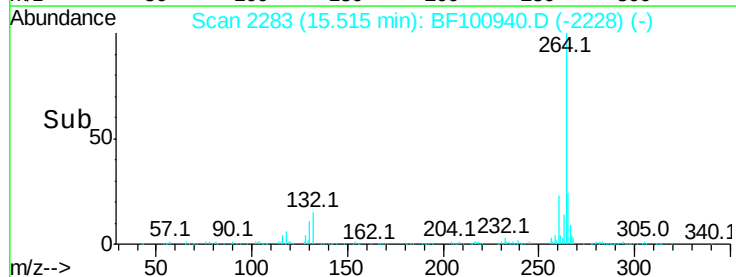
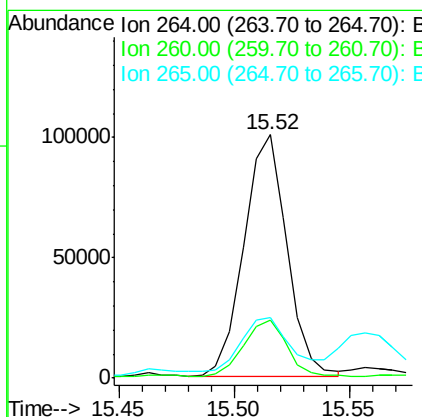
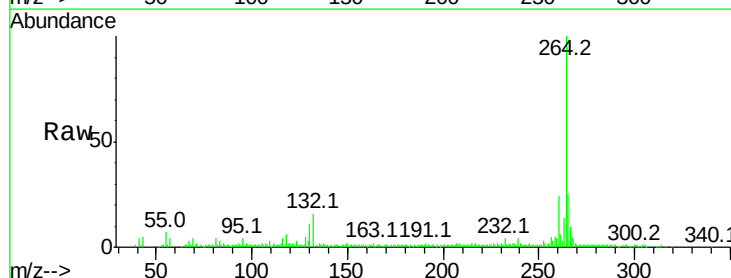
Instrument :  
BNA\_F  
ClientSampleId :

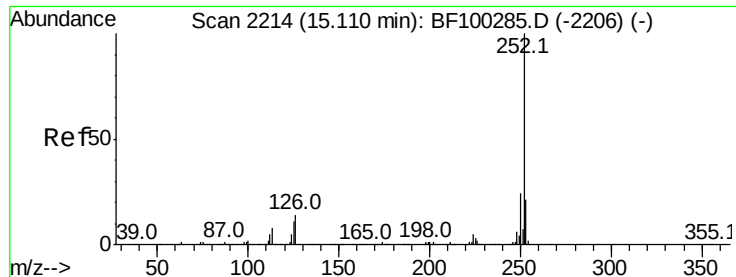
Tot Ion:276 Resp: 331004  
Ion Ratio Lower Upper  
276 100  
138 19.5 25.0 37.6#  
277 24.5 20.1 30.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. 0.02 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Tgt Ion:264 Resp: 130456  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 24.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 164.323 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.03 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

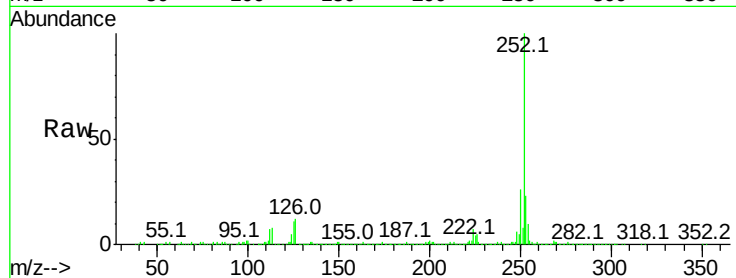
Tot Ion:252 Resp: 1270021

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

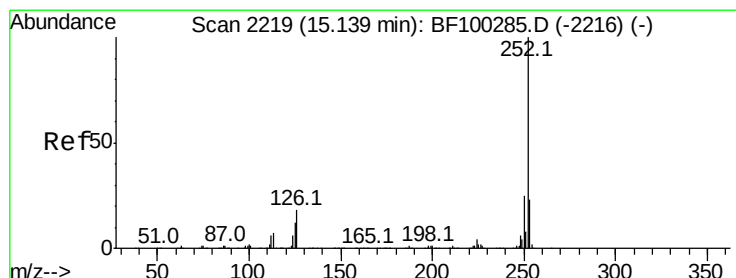
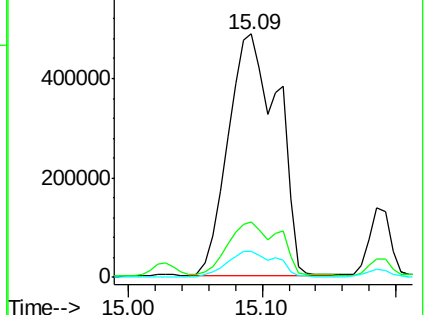
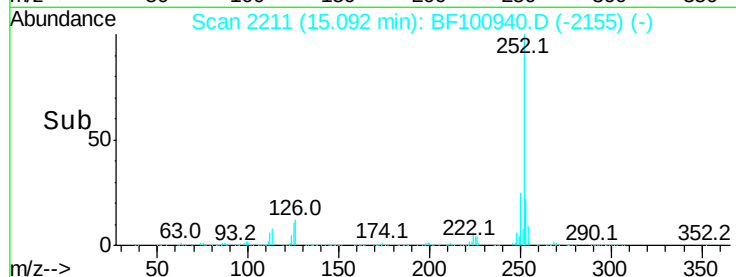
125 10.9 9.0 13.6



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: 173.913 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

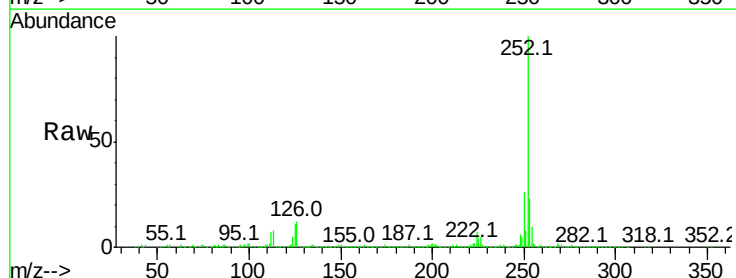
Tgt Ion:252 Resp: 1270021

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

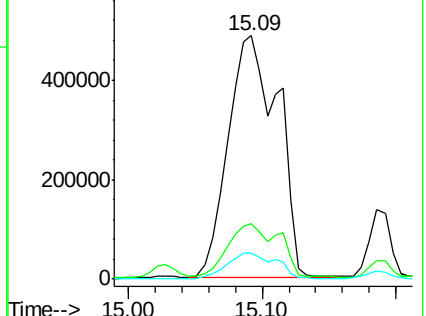
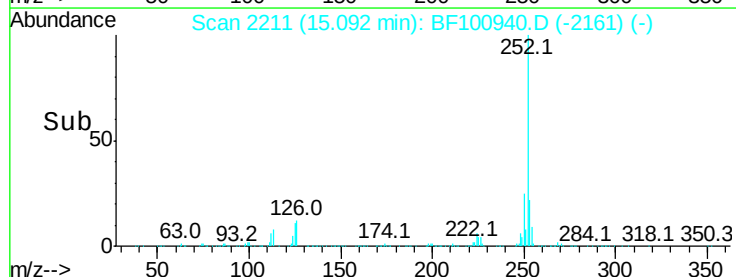
125 10.9 10.2 15.2

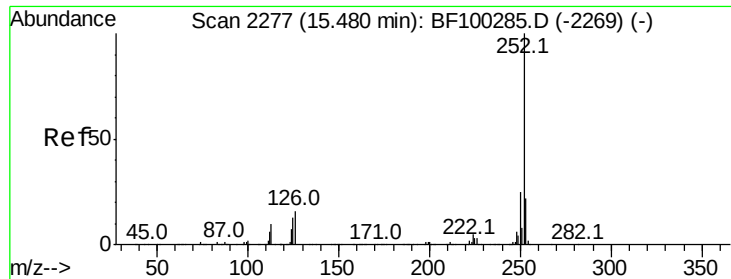


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

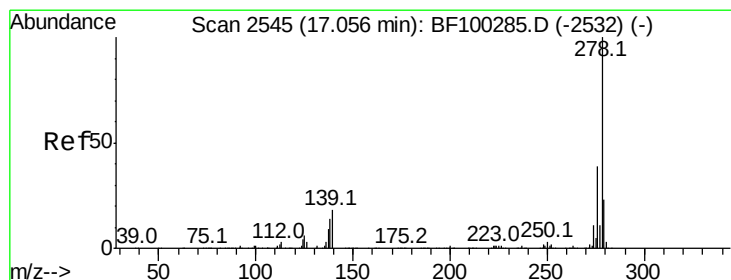
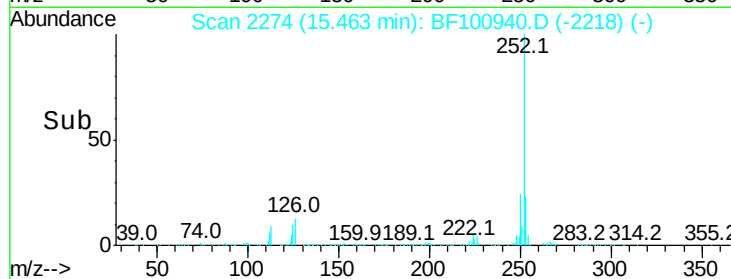
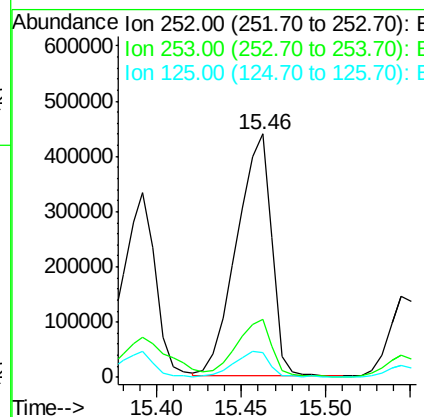
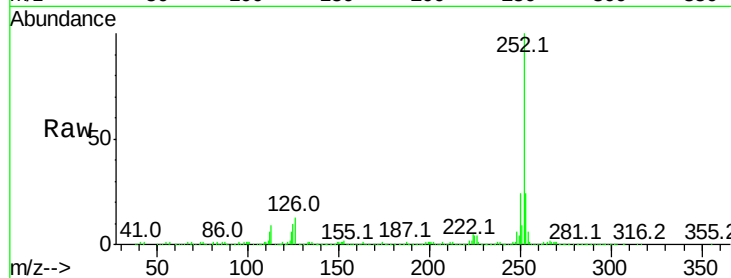




#89  
Benzo(a)pyrene  
Concen: 92.658 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.03 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

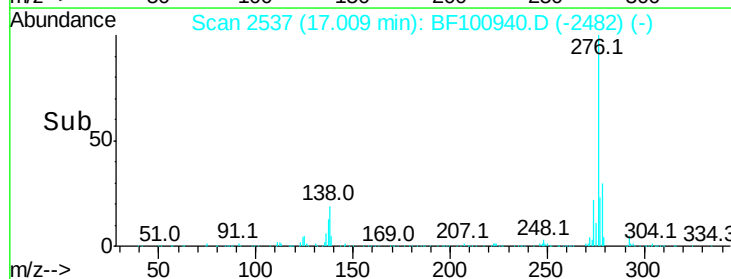
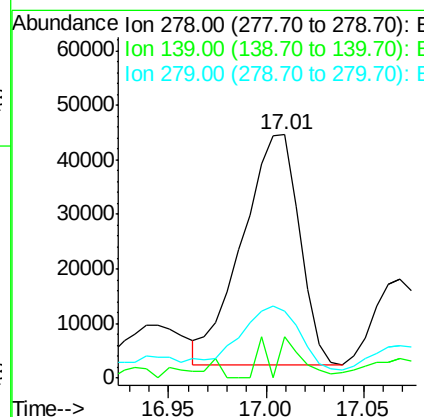
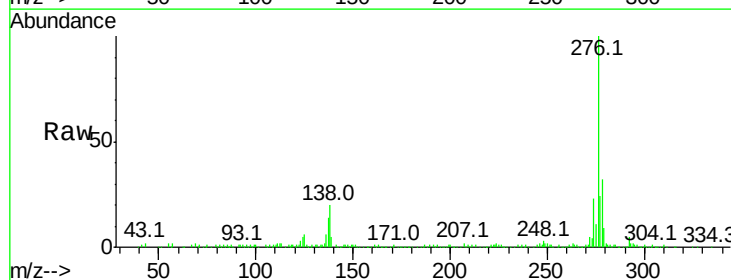
Instrument :  
BNA\_F  
ClientSampleId :

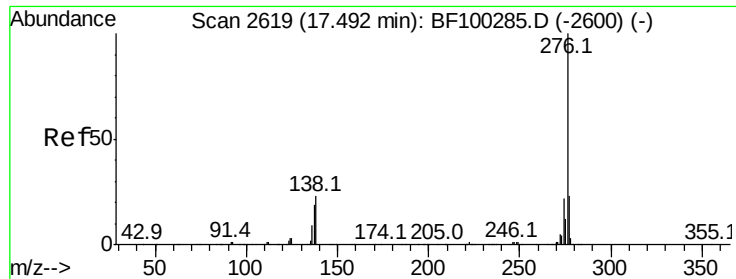
Tot Ion:252 Resp: 634879  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.1 25.7  
125 10.3 9.8 14.6



#90  
Dibenzo(a,h)anthracene  
Concen: 15.355 ng  
RT: 17.01 min Scan# 2537  
Delta R.T. 0.02 min  
Lab File: BF100940.D  
Acq: 28 Nov 2017 18:06

Tgt Ion:278 Resp: 86041  
Ion Ratio Lower Upper  
278 100  
139 16.9 15.9 23.9  
279 27.6 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 54.960 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.04 min

Lab File: BF100940.D

Acq: 28 Nov 2017 18:06

Instrument :

BNA\_F

ClientSampleId :

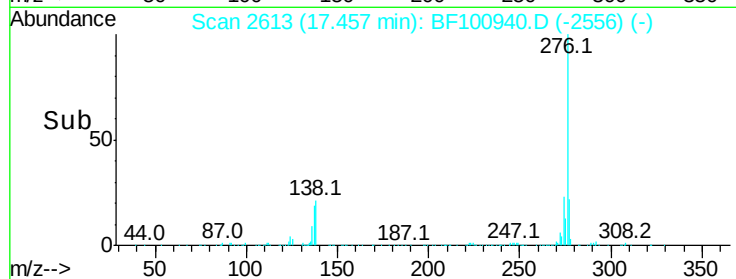
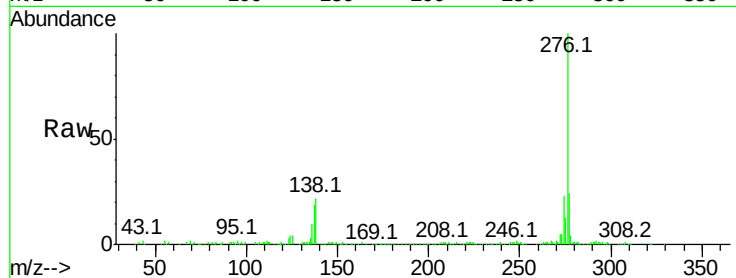
Tot Ion:276 Resp: 301468

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 21.7 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

