

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\  
 Data File : BF076833.D  
 Acq On : 13 Jan 2015 7:02  
 Operator : IZ / TP  
 Sample : G1030-02  
 Misc : S  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-SS-2(4-6)

Quant Time: Jan 13 11:38:51 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 10 06:22:22 2015  
 Response via : Initial Calibration

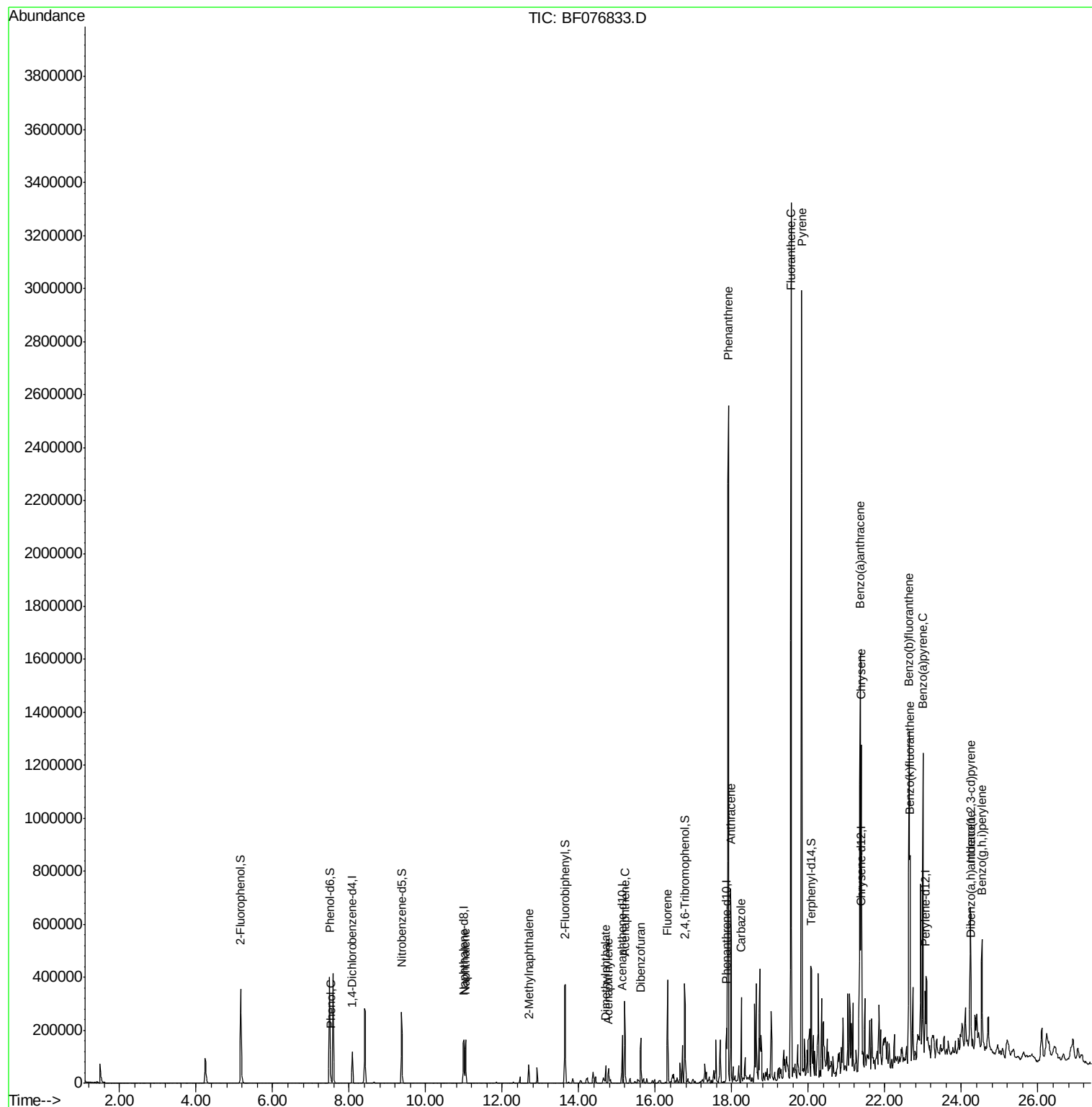
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 32103    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 138773   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.13 | 164  | 73531    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.87 | 188  | 115238   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12            | 21.36 | 240  | 110419   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 23.05 | 264  | 110838   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.17  | 112  | 181006   | 92.74  | ng    | -0.01    |
| 7) Phenol-d6                | 7.49  | 99   | 226695   | 92.19  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.37  | 82   | 140918   | 55.25  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.77 | 330  | 48926    | 77.66  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.65 | 172  | 224663   | 44.46  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 184026   | 35.90  | ng    | 0.01     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 7.51  | 94   | 6019     | 2.26   | ng    | # 61     |
| 31) Naphthalene             | 11.04 | 128  | 125496   | 17.52  | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.70 | 142  | 34589    | 6.85   | ng    | 98       |
| 48) Acenaphthylene          | 14.78 | 152  | 48245    | 6.14   | ng    | 98       |
| 49) Dimethylphthalate       | 14.70 | 163  | 49835    | 9.23   | ng    | 99       |
| 51) Acenaphthene            | 15.20 | 154  | 109444   | 24.66  | ng    | 98       |
| 54) Dibenzofuran            | 15.63 | 168  | 115296   | 17.95  | ng    | 97       |
| 57) Fluorene                | 16.32 | 166  | 149703   | 27.61  | ng    | 97       |
| 70) Phenanthrene            | 17.91 | 178  | 1643156  | 227.47 | ng    | 98       |
| 71) Anthracene              | 17.97 | 178  | 408641   | 57.26  | ng    | 99       |
| 72) Carbazole               | 18.25 | 167  | 185679   | 26.95  | ng    | 99       |
| 74) Fluoranthene            | 19.55 | 202  | 1727347  | 231.88 | ng    | 94       |
| 77) Pyrene                  | 19.83 | 202  | 1483350  | 183.36 | ng    | # 94     |
| 80) Benzo(a)anthracene      | 21.35 | 228  | 787859   | 109.93 | ng    | 97       |
| 82) Chrysene                | 21.39 | 228  | 640831m  | 100.59 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 24.23 | 276  | 319095m  | 48.17  | ng    |          |
| 87) Benzo(b)fluoranthene    | 22.63 | 252  | 732151m  | 89.96  | ng    |          |
| 88) Benzo(k)fluoranthene    | 22.64 | 252  | 283283m  | 44.12  | ng    |          |
| 89) Benzo(a)pyrene          | 23.00 | 252  | 537561   | 79.71  | ng    | 96       |
| 90) Dibenzo(a,h)anthracene  | 24.24 | 278  | 66225m   | 10.80  | ng    |          |
| 91) Benzo(g,h,i)perylene    | 24.54 | 276  | 278281   | 44.66  | ng    | 98       |

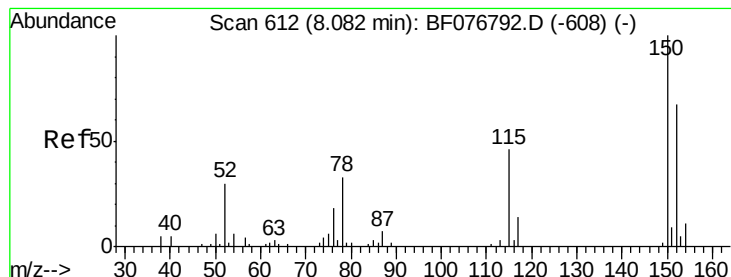
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\  
Data File : BF076833.D  
Acq On : 13 Jan 2015 7:02  
Operator : IZ / TP  
Sample : G1030-02  
Misc : S  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP1-SS-2(4-6)

Quant Time: Jan 13 11:38:51 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jan 10 06:22:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

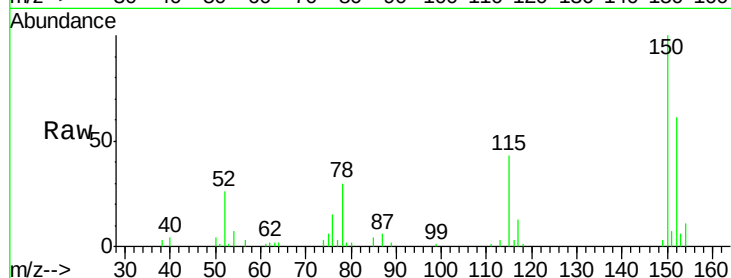
Tot Ion:152 Resp: 32103

Ion Ratio Lower Upper

152 100

150 164.6 119.5 179.3

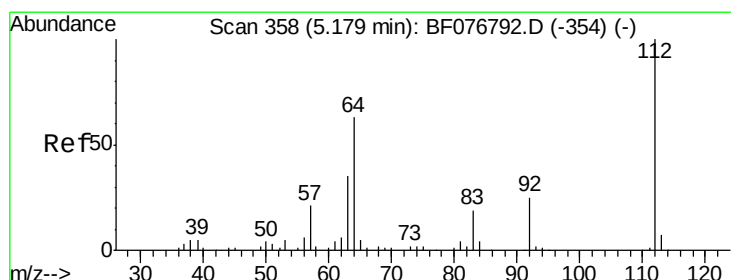
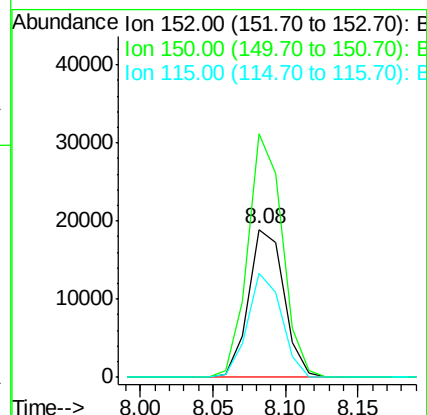
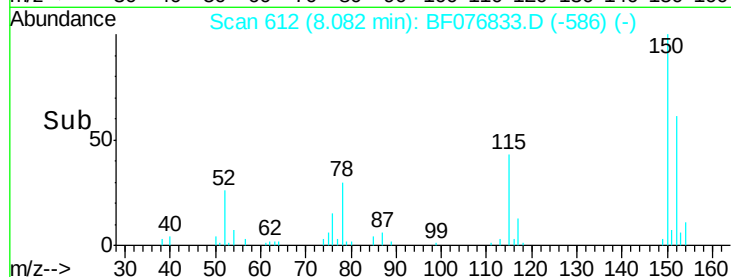
115 70.7 54.6 81.8



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: 92.74 ng

RT: 5.17 min Scan# 357

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

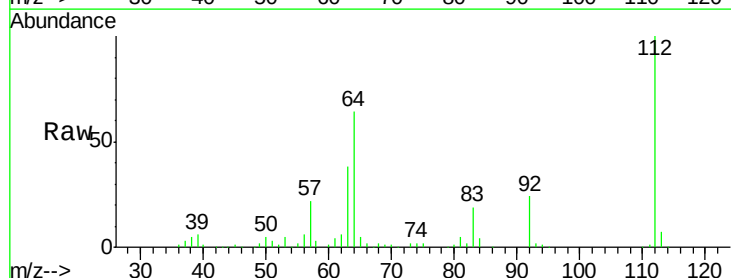
Tgt Ion:112 Resp: 181006

Ion Ratio Lower Upper

112 100

64 63.6 50.2 75.4

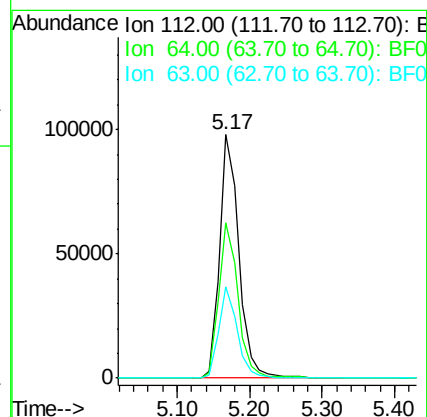
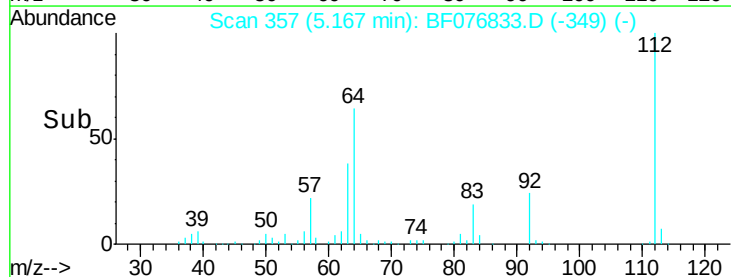
63 37.5 27.8 41.6

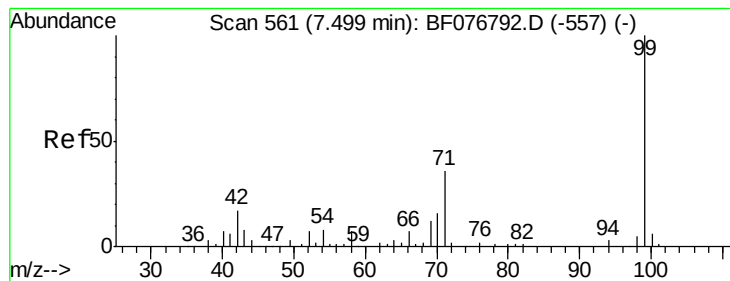


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.19 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

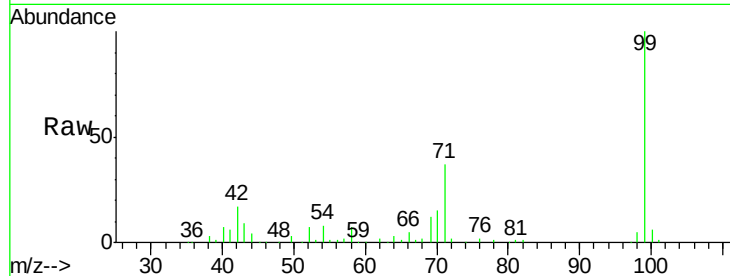
Tot Ion: 99 Resp: 226695

Ion Ratio Lower Upper

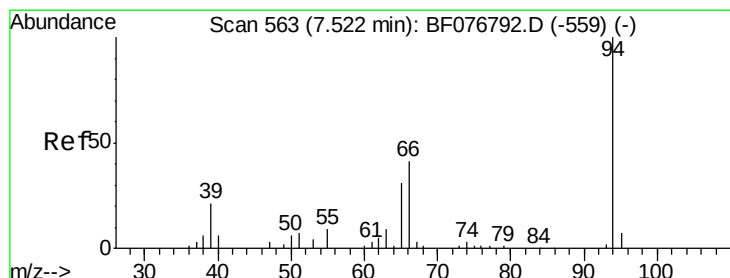
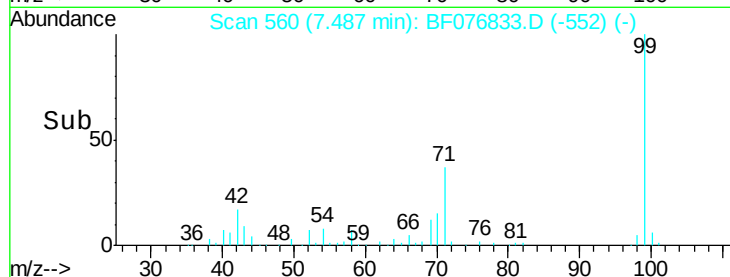
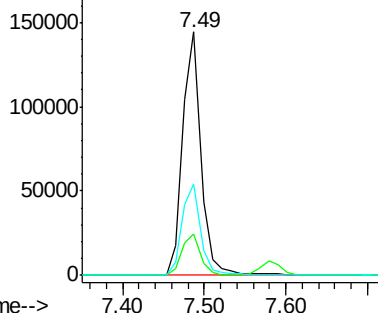
99 100

42 17.2 13.3 19.9

71 37.3 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.26 ng

RT: 7.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

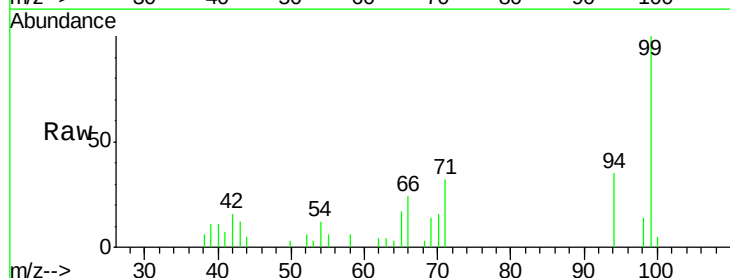
Tgt Ion: 94 Resp: 6019

Ion Ratio Lower Upper

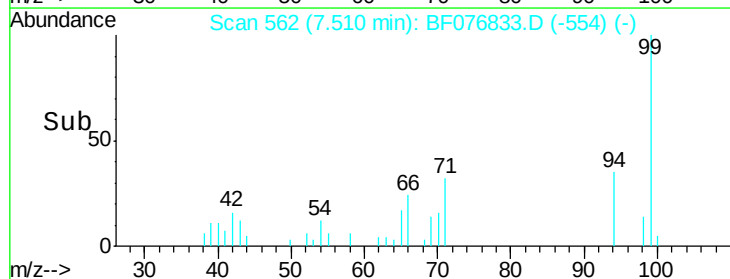
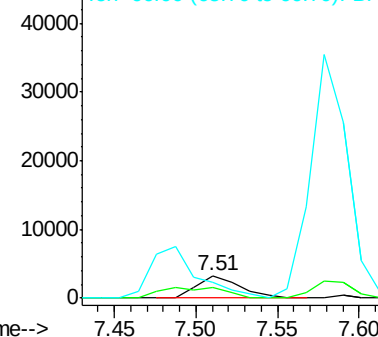
94 100

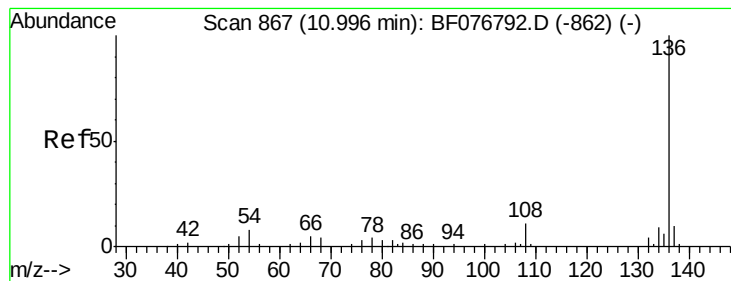
65 49.5 11.6 51.6

66 69.9 22.3 62.3#



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

Tot Ion:136 Resp: 138773

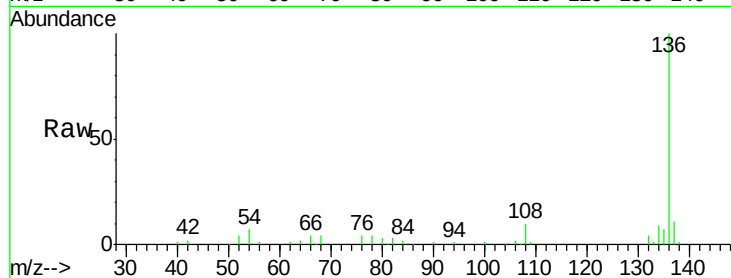
Ion Ratio Lower Upper

136 100

137 10.8 8.1 12.1

54 6.9 6.3 9.5

68 4.2 3.4 5.0

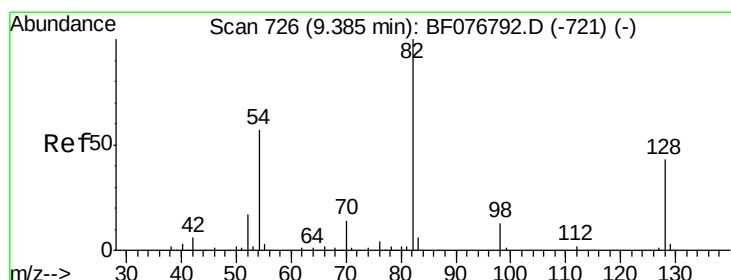
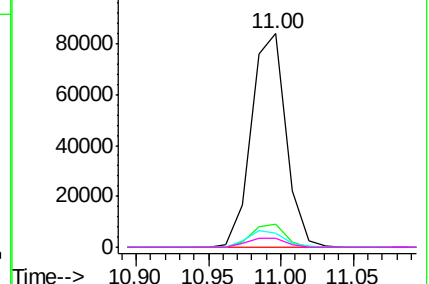
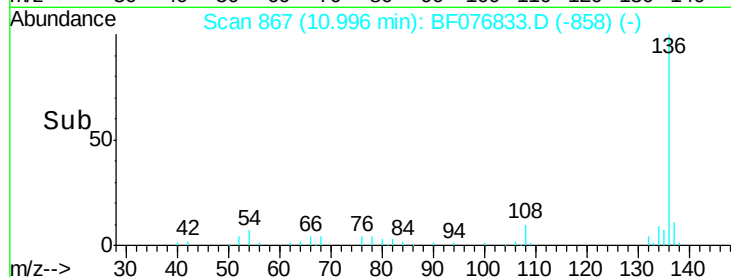


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 55.25 ng

RT: 9.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

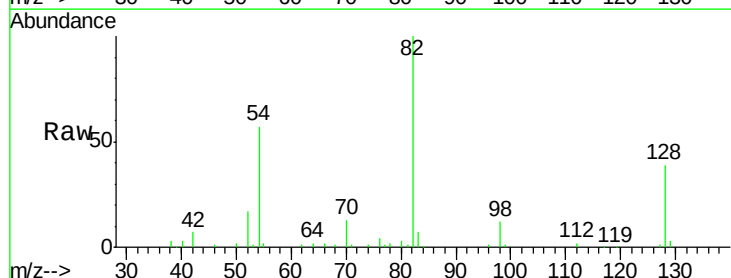
Tgt Ion: 82 Resp: 140918

Ion Ratio Lower Upper

82 100

128 38.7 34.0 51.0

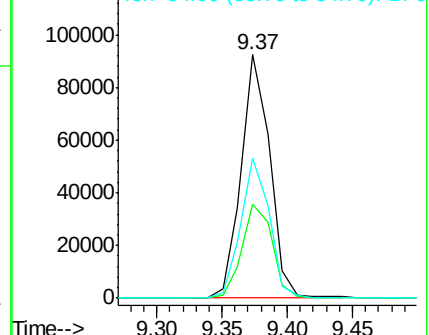
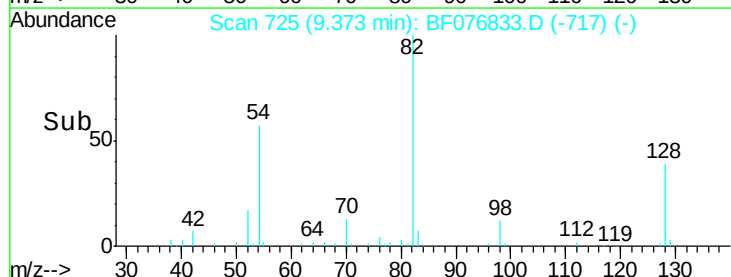
54 57.3 45.6 68.4

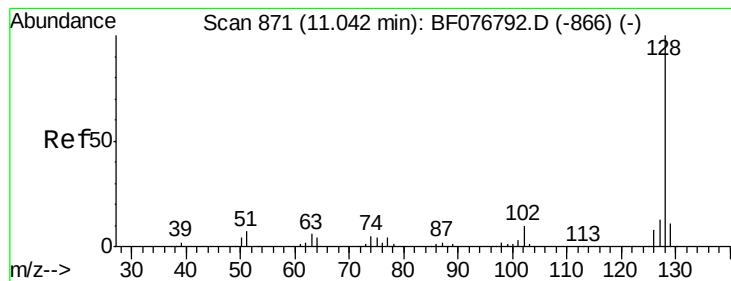


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 17.52 ng

RT: 11.04 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

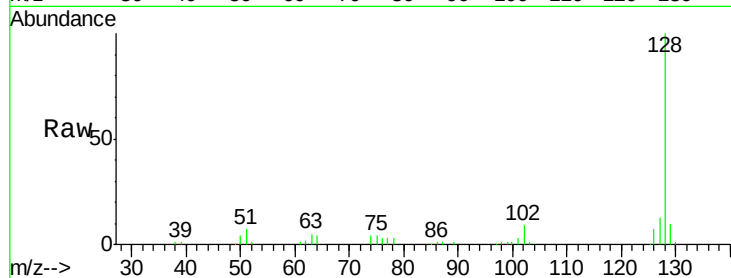
Tot Ion:128 Resp: 125496

Ion Ratio Lower Upper

128 100

129 9.9 8.6 13.0

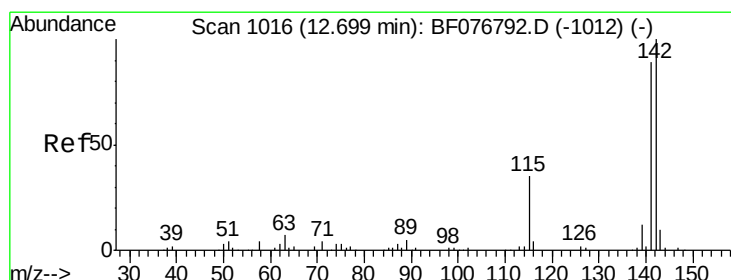
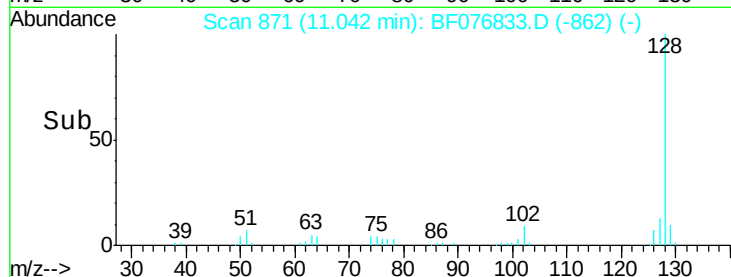
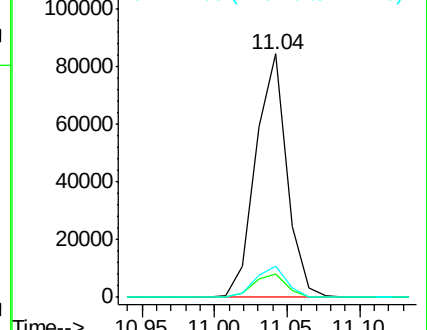
127 12.9 10.1 15.1



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



#37

2-Methylnaphthalene

Concen: 6.85 ng

RT: 12.70 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

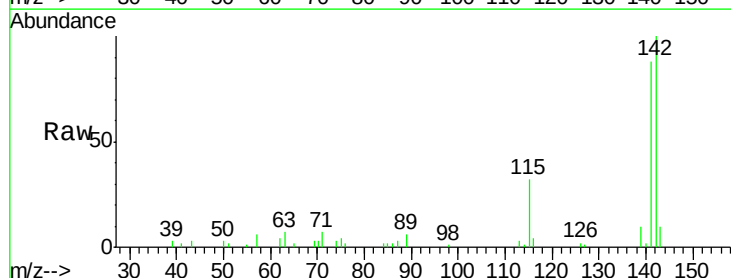
Tgt Ion:142 Resp: 34589

Ion Ratio Lower Upper

142 100

141 88.1 71.0 106.4

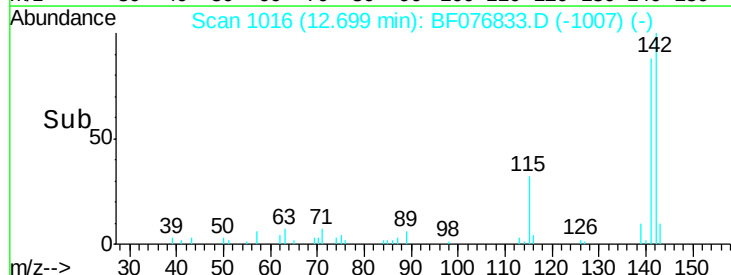
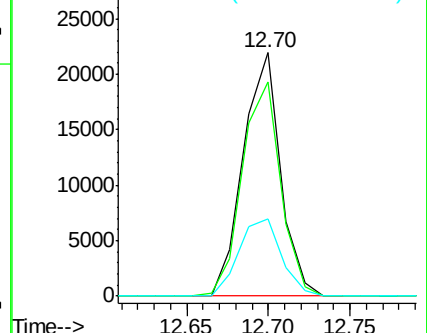
115 31.8 28.2 42.2

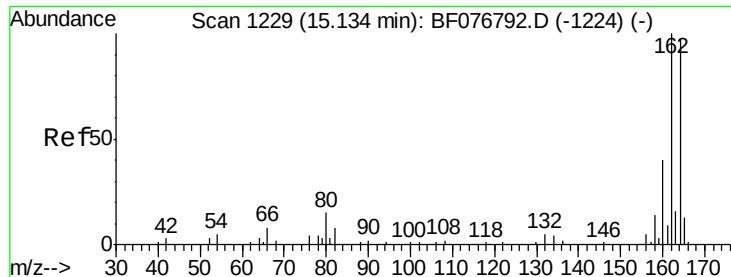


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.13 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

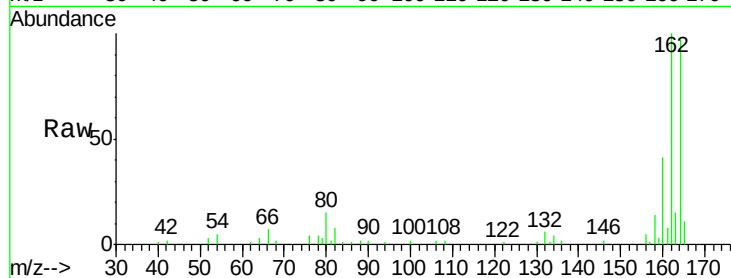
Tot Ion:164 Resp: 73531

Ion Ratio Lower Upper

164 100

162 103.6 82.5 123.7

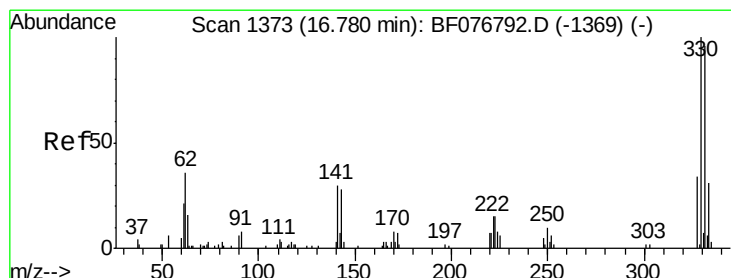
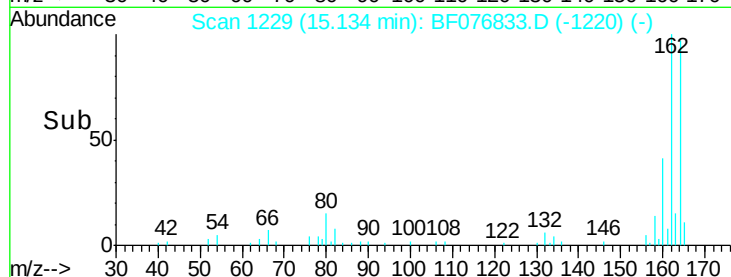
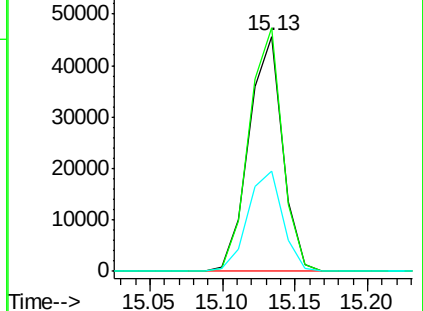
160 42.7 33.1 49.7



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: 77.66 ng

RT: 16.77 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

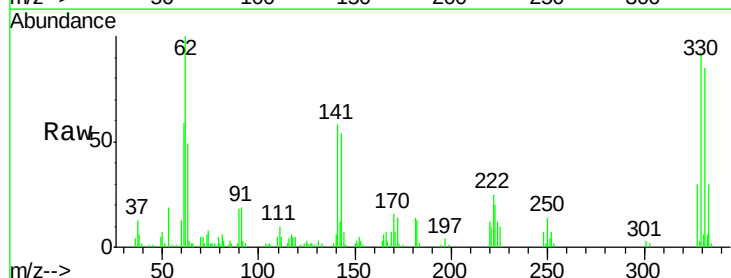
Tgt Ion:330 Resp: 48926

Ion Ratio Lower Upper

330 100

332 95.5 74.8 112.2

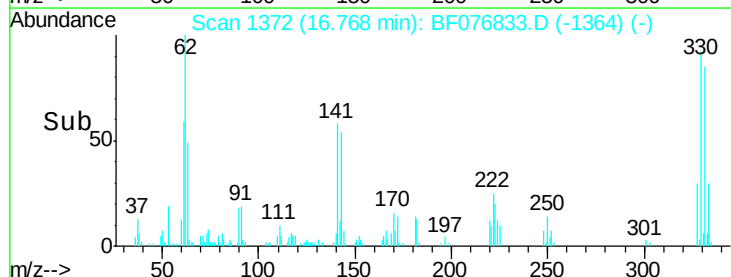
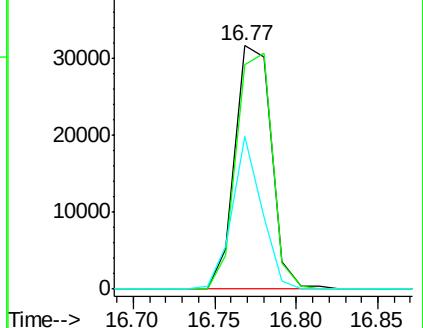
141 50.7 42.4 63.6

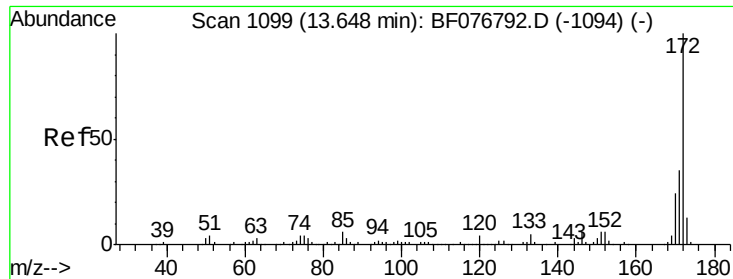


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

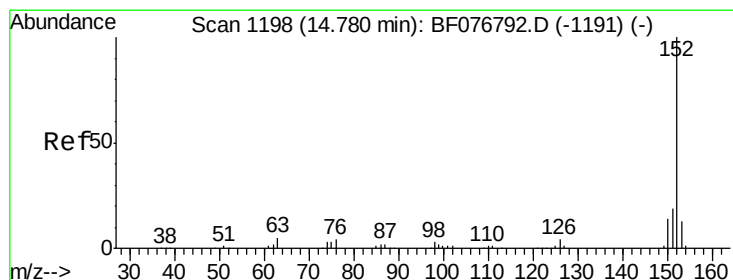
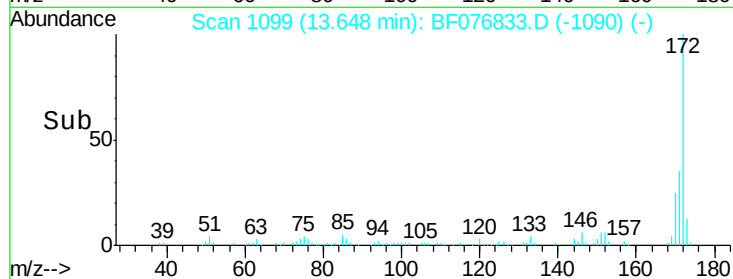
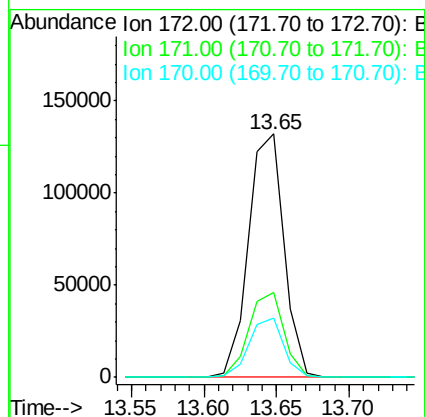
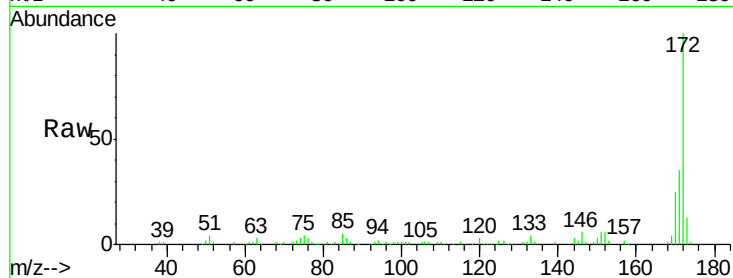




#44  
2-Fluorobiphenyl  
Concen: 44.46 ng  
RT: 13.65 min Scan# 1099  
Delta R.T. 0.00 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

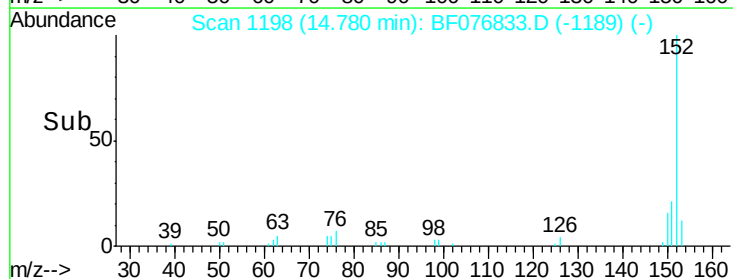
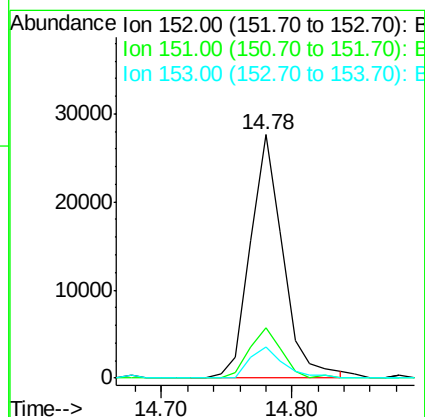
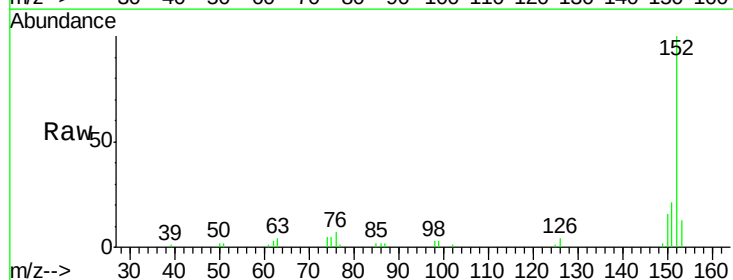
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-SS-2(4-6)

Tot Ion:172 Resp: 224663  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.8 41.8  
170 24.5 18.8 28.2

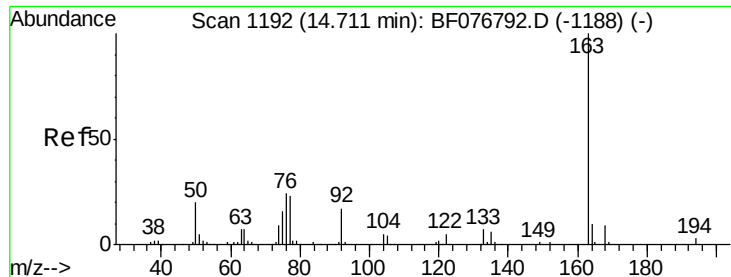


#48  
Acenaphthylene  
Concen: 6.14 ng  
RT: 14.78 min Scan# 1198  
Delta R.T. 0.00 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

Tgt Ion:152 Resp: 48245  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.2 22.8  
153 13.0 10.5 15.7







#49

Dimethylphthalate

Concen: 9.23 ng

RT: 14.70 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

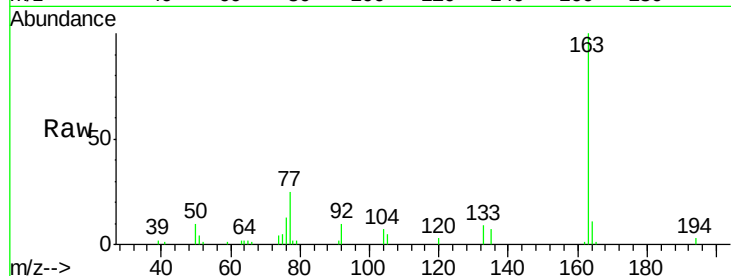
Tot Ion:163 Resp: 49835

Ion Ratio Lower Upper

163 100

194 3.0 2.3 3.5

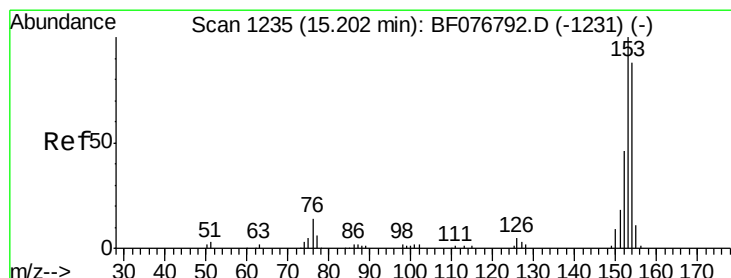
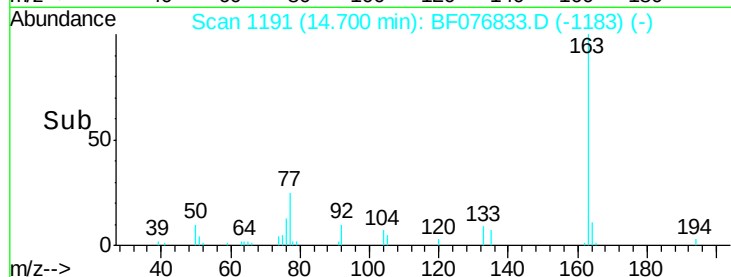
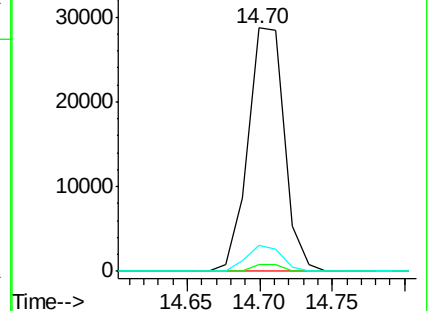
164 10.6 8.3 12.5



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: 24.66 ng

RT: 15.20 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

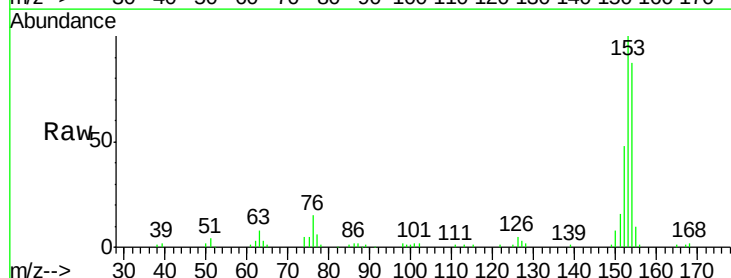
Tgt Ion:154 Resp: 109444

Ion Ratio Lower Upper

154 100

153 115.0 91.0 136.6

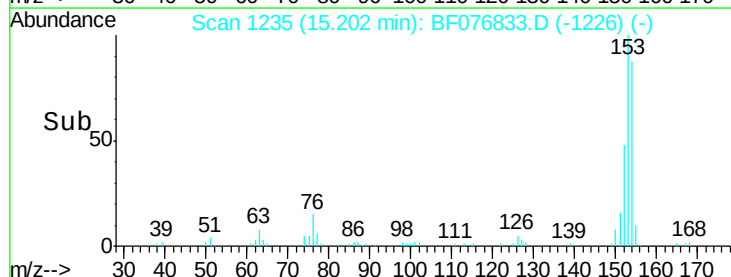
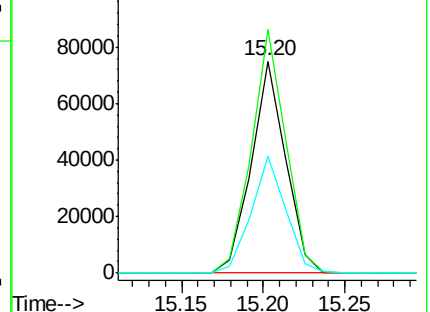
152 55.2 42.2 63.2

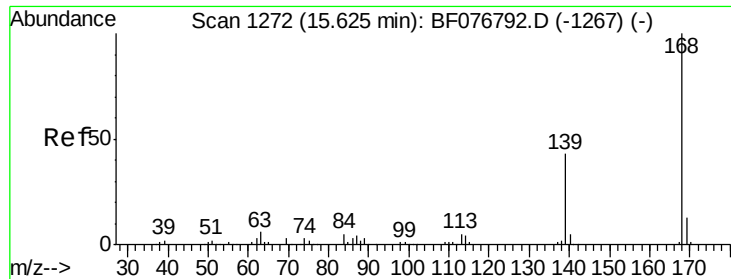


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

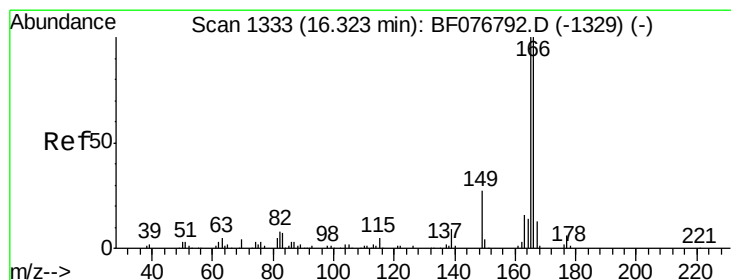
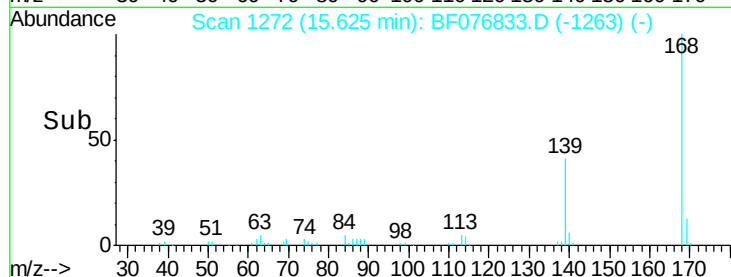
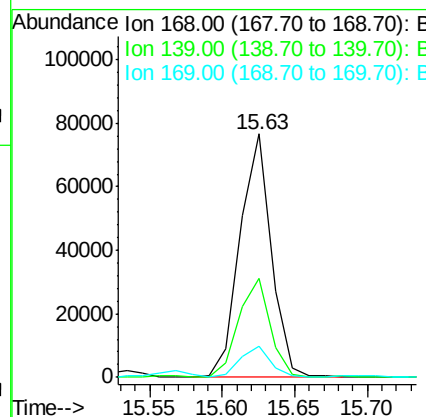
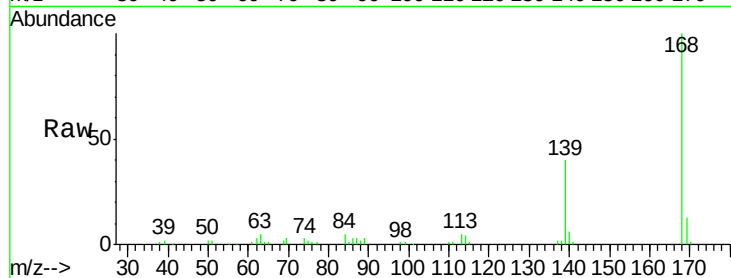




#54  
Dibenzenofuran  
Concen: 17.95 ng  
RT: 15.63 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

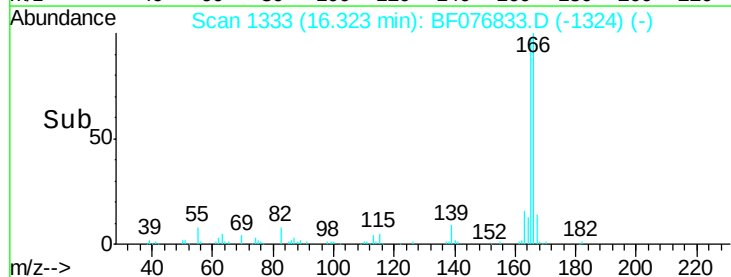
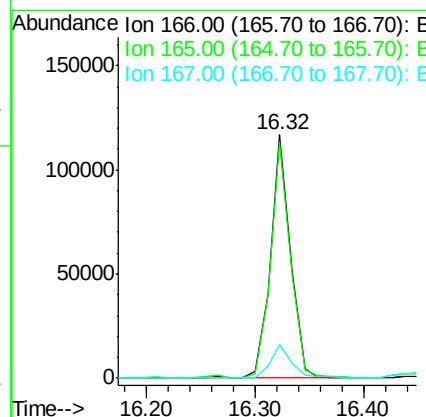
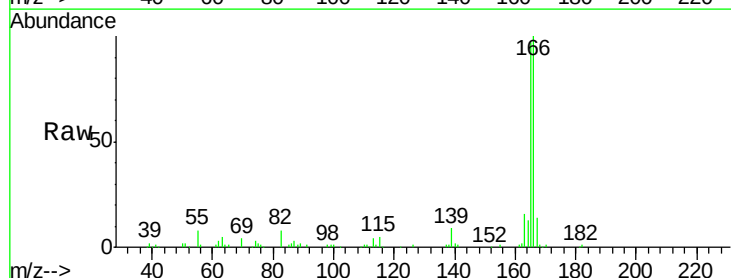
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-SS-2(4-6)

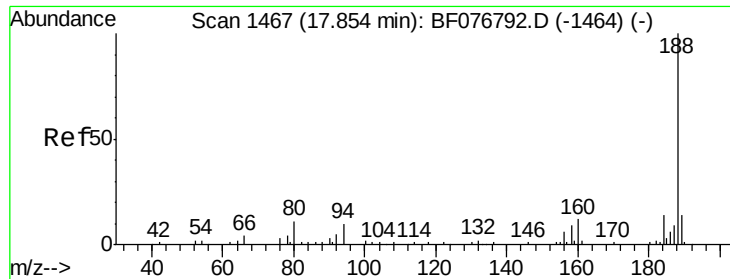
Tot Ion:168 Resp: 115296  
Ion Ratio Lower Upper  
168 100  
139 40.5 34.2 51.4  
169 12.6 10.5 15.7



#57  
Fluorene  
Concen: 27.61 ng  
RT: 16.32 min Scan# 1333  
Delta R.T. 0.00 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

Tgt Ion:166 Resp: 149703  
Ion Ratio Lower Upper  
166 100  
165 97.1 79.6 119.4  
167 14.1 10.2 15.2

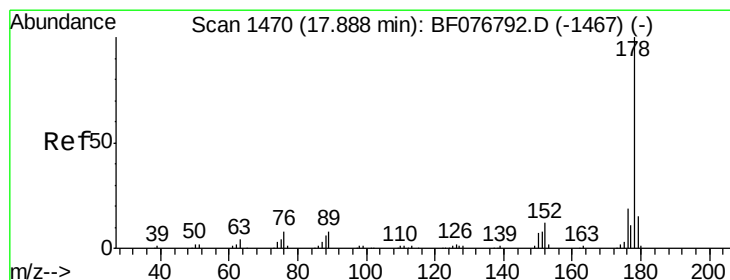
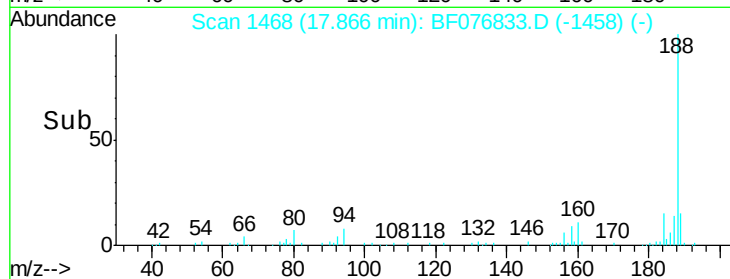
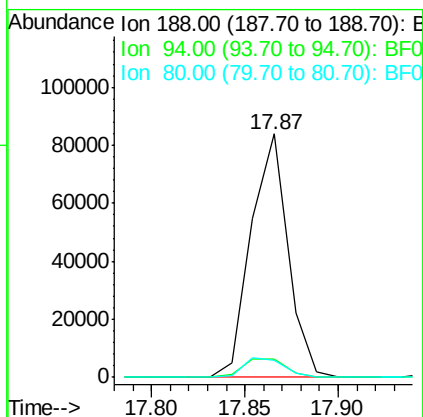
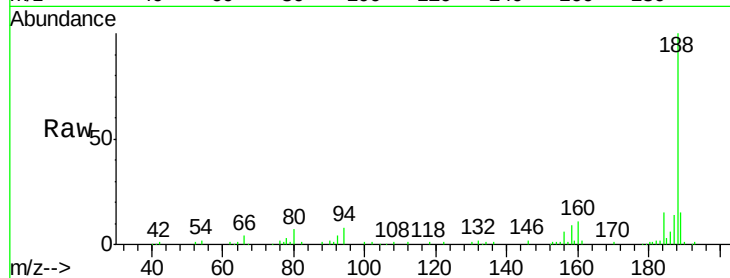




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.87 min Scan# 1468  
 Delta R.T. 0.01 min  
 Lab File: BF076833.D  
 Acq: 13 Jan 2015 7:02

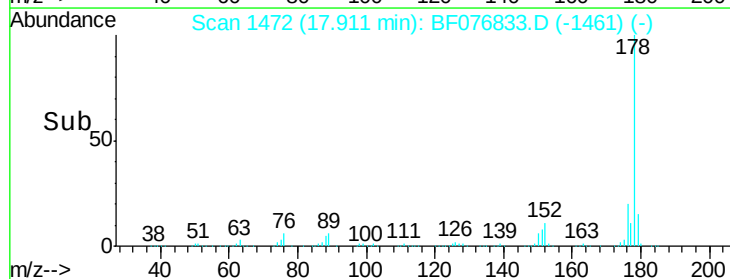
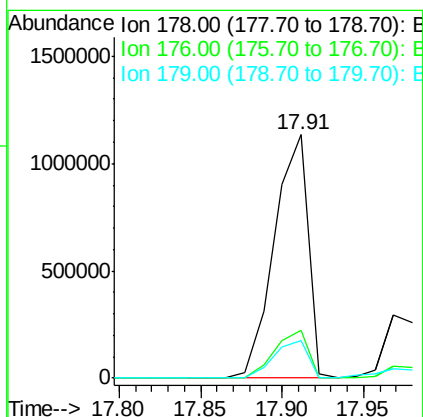
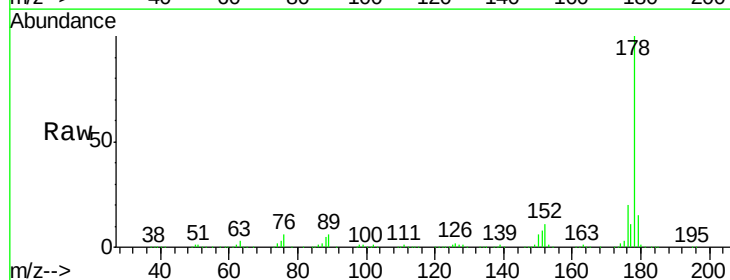
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-SS-2(4-6)

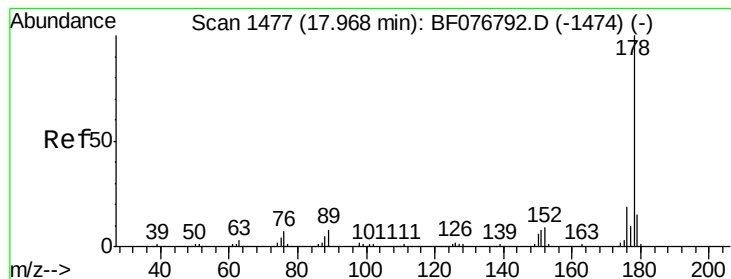
Tot Ion:188 Resp: 115238  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 7.8 11.6  
 80 7.3 8.6 13.0#



#70  
 Phenanthrene  
 Concen: 227.47 ng  
 RT: 17.91 min Scan# 1472  
 Delta R.T. 0.02 min  
 Lab File: BF076833.D  
 Acq: 13 Jan 2015 7:02

Tgt Ion:178 Resp: 1643156  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.2 22.8  
 179 15.3 11.8 17.8





#71

Anthracene

Concen: 57.26 ng

RT: 17.97 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

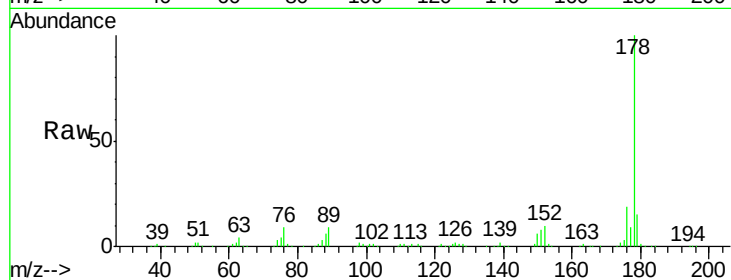
Tot Ion:178 Resp: 408641

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

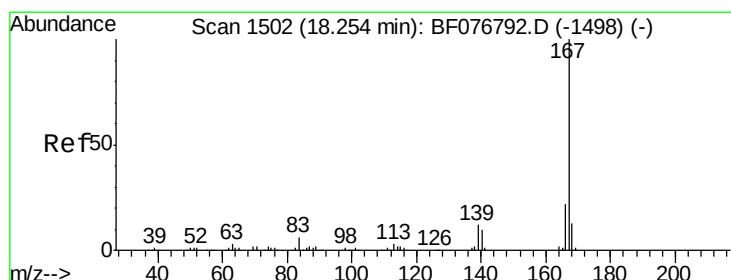
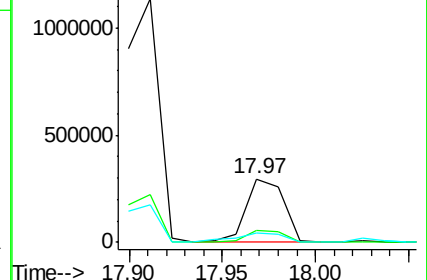
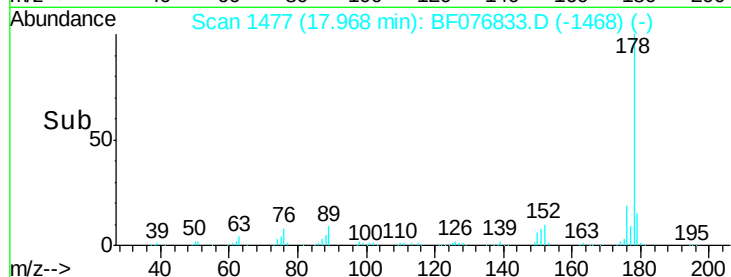
179 15.4 12.2 18.4



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: 26.95 ng

RT: 18.25 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

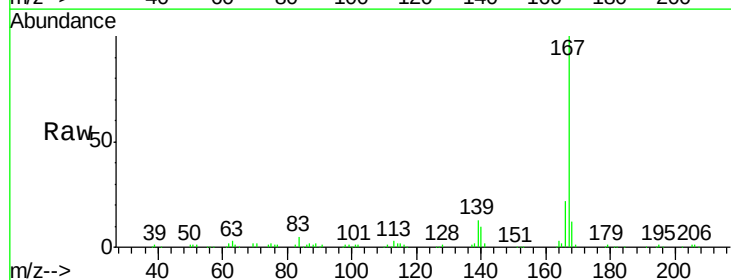
Tgt Ion:167 Resp: 185679

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

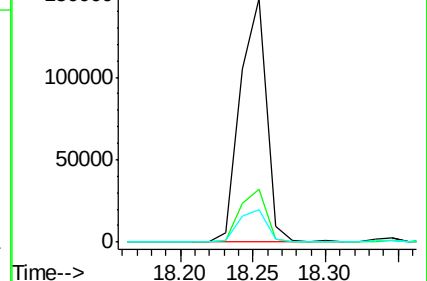
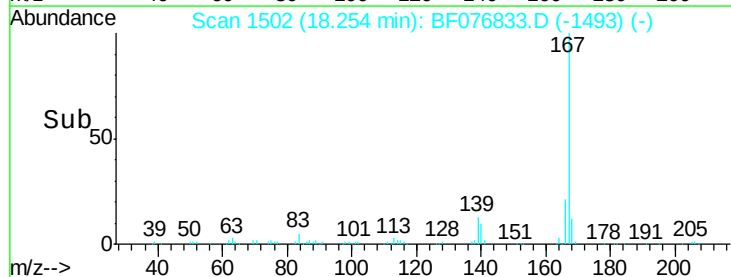
139 13.3 10.0 15.0

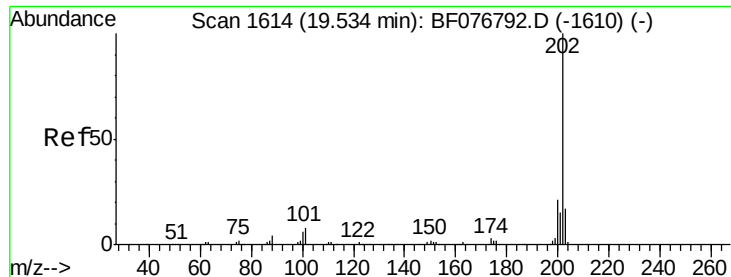


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 231.88 ng

RT: 19.55 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

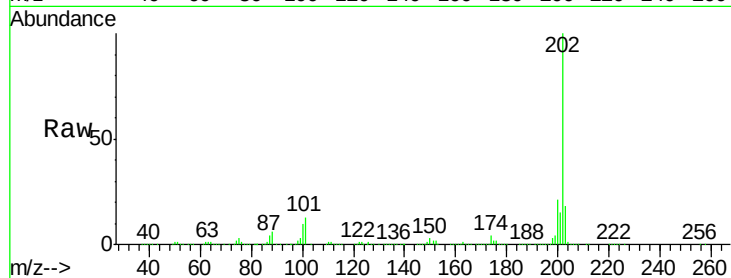
Tot Ion:202 Resp: 1727347

Ion Ratio Lower Upper

202 100

101 12.7 0.0 28.0

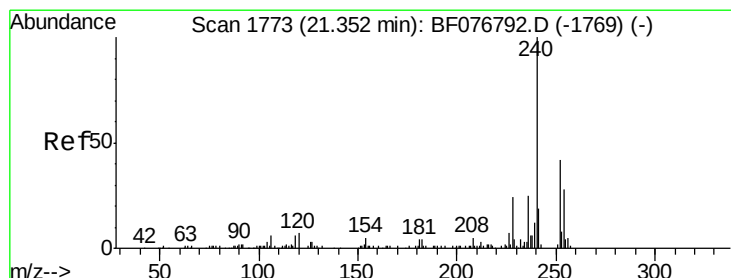
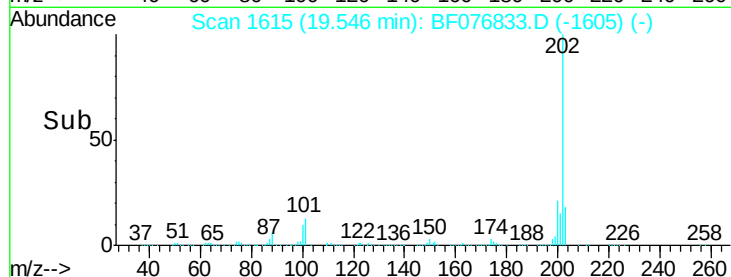
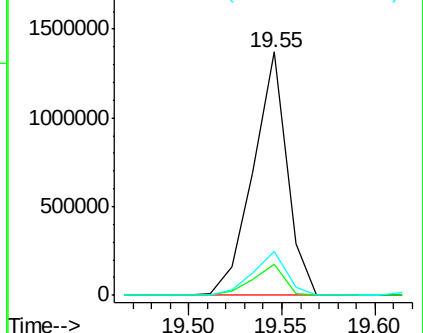
203 18.2 0.0 37.2



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: 20.00 ng

RT: 21.36 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

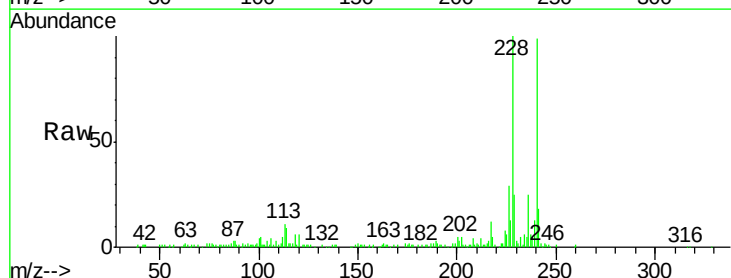
Tgt Ion:240 Resp: 110419

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

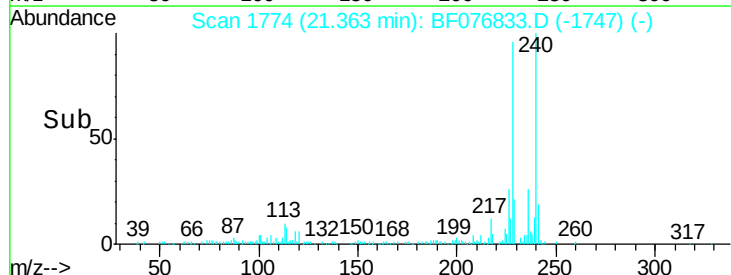
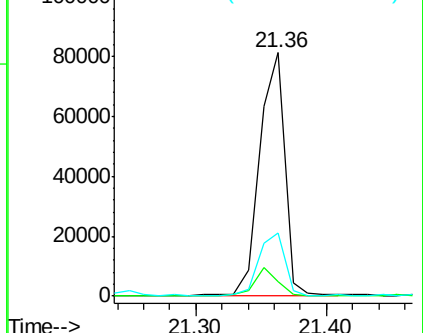
236 25.8 19.7 29.5

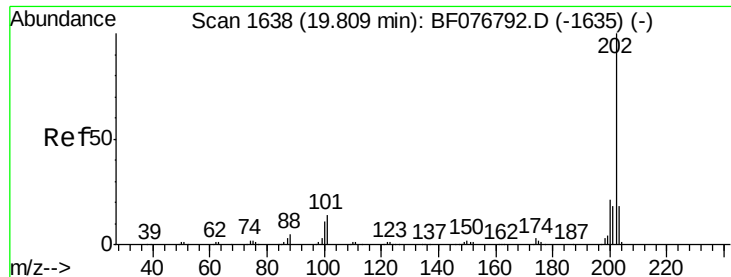


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 183.36 ng

RT: 19.83 min Scan# 1640

Delta R.T. 0.02 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

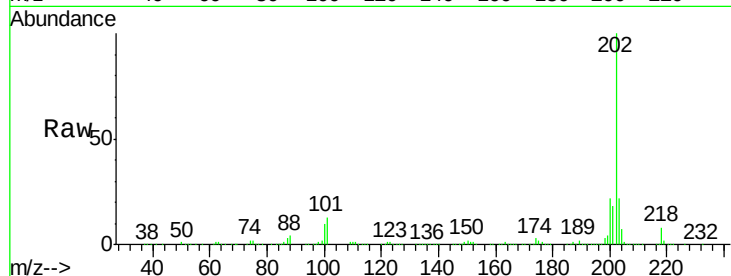
Tot Ion:202 Resp: 1483350

Ion Ratio Lower Upper

202 100

200 22.3 16.6 25.0

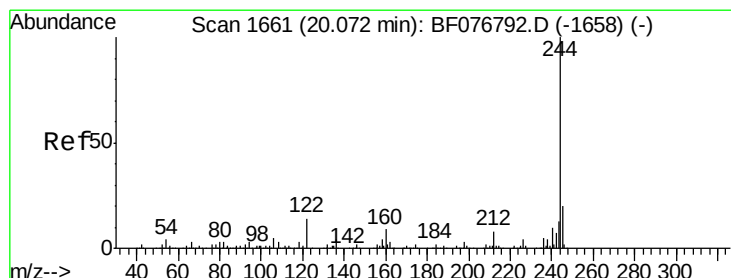
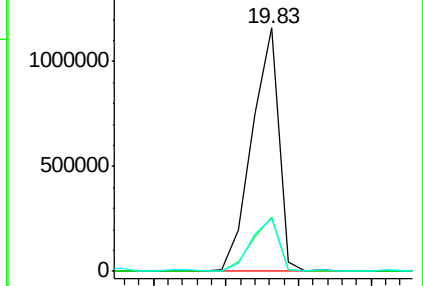
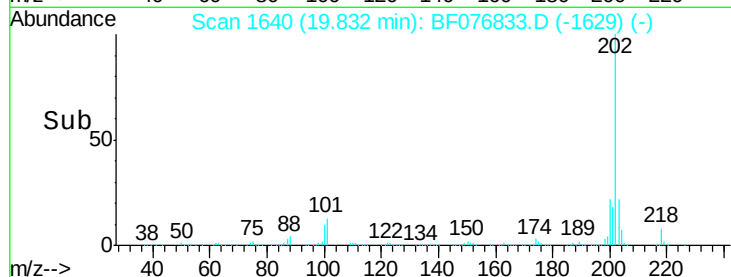
203 22.0 14.6 22.0#



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: 35.90 ng

RT: 20.08 min Scan# 1662

Delta R.T. 0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

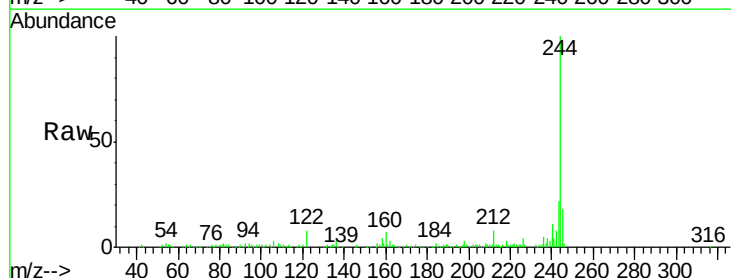
Tgt Ion:244 Resp: 184026

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

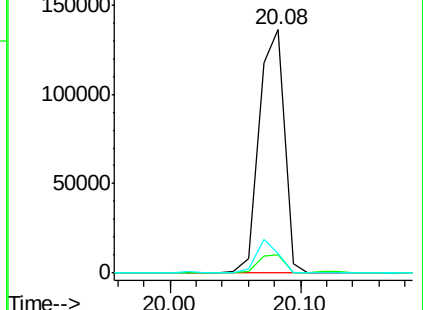
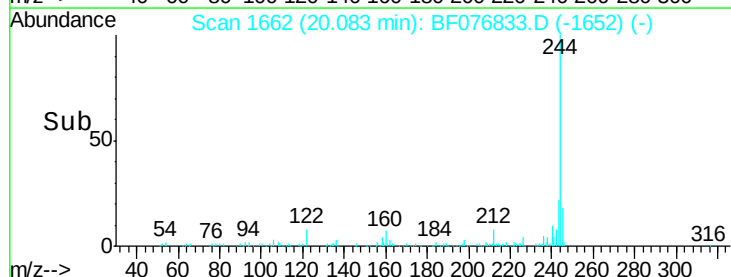
122 8.0 11.3 16.9#

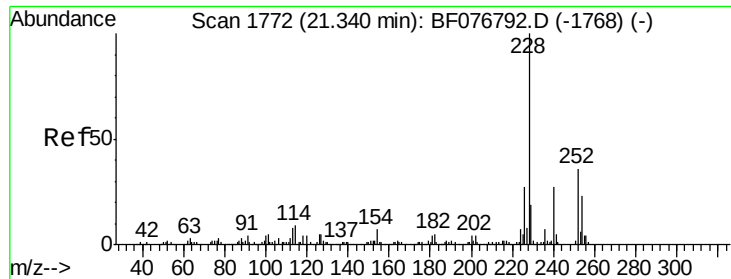


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

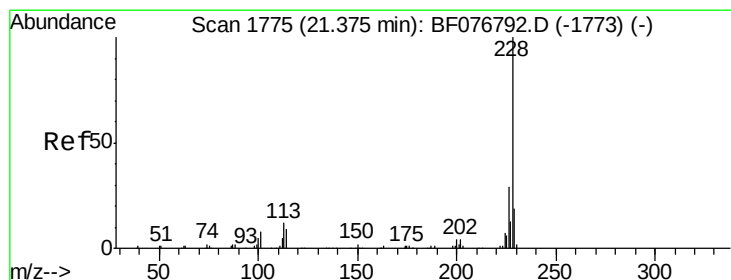
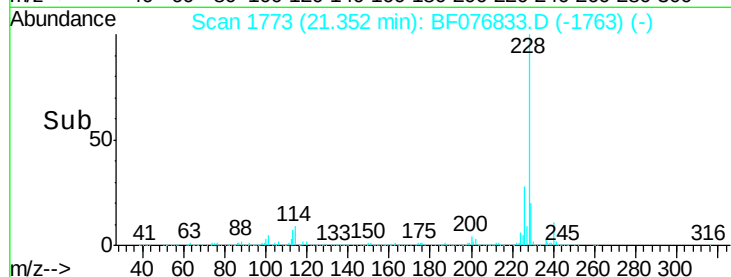
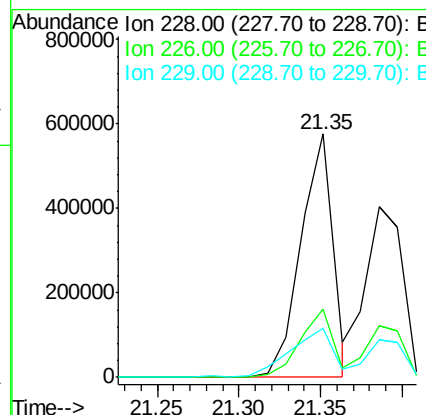
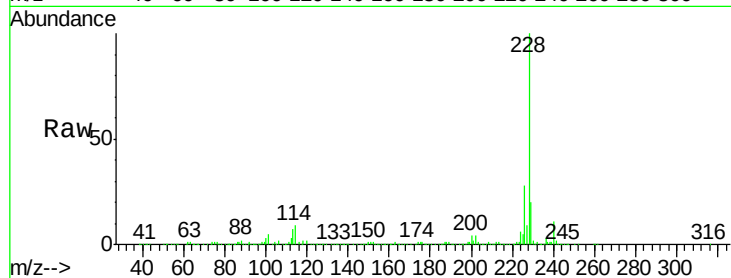




#80  
Benzo(a)anthracene  
Concen: 109.93 ng  
RT: 21.35 min Scan# 1773  
Delta R.T. 0.01 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

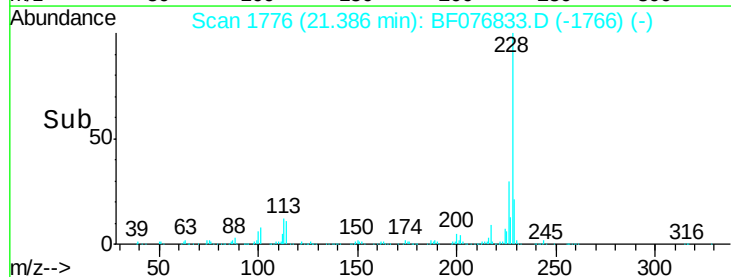
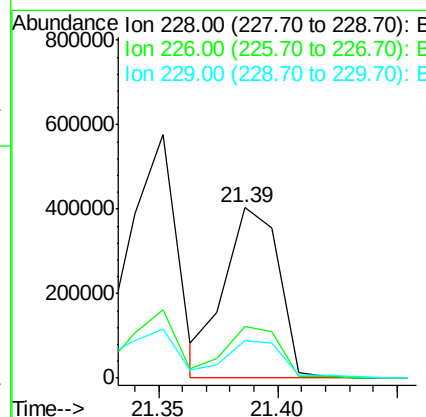
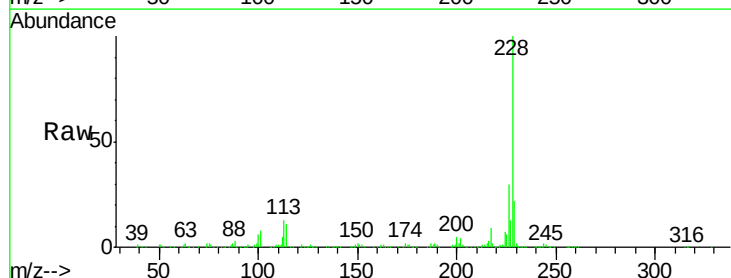
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-SS-2(4-6)

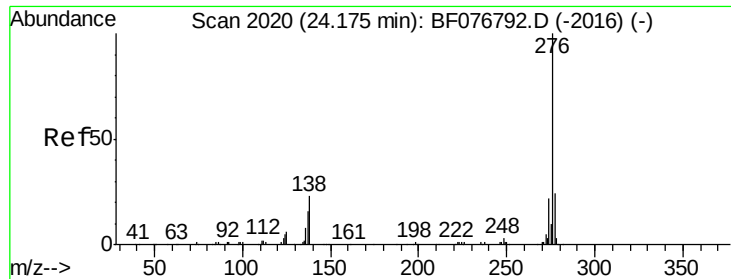
Tot Ion:228 Resp: 787859  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.4 32.0  
229 20.4 15.0 22.4



#82  
Chrysene  
Concen: 100.59 ng m  
RT: 21.39 min Scan# 1776  
Delta R.T. 0.01 min  
Lab File: BF076833.D  
Acq: 13 Jan 2015 7:02

Tgt Ion:228 Resp: 640831  
Ion Ratio Lower Upper  
228 100  
226 30.1 23.3 34.9  
229 21.8 14.6 22.0

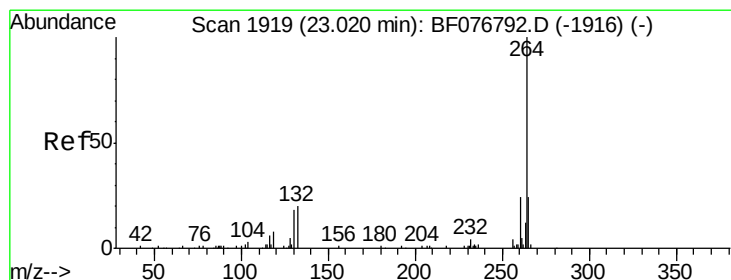
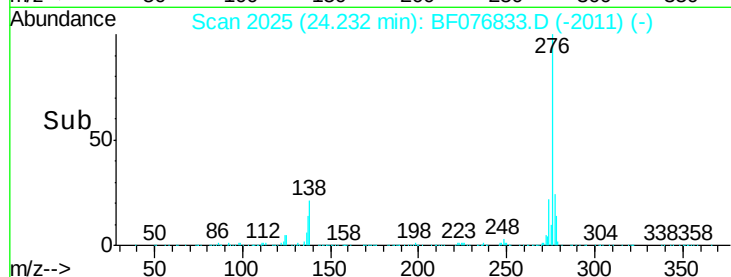
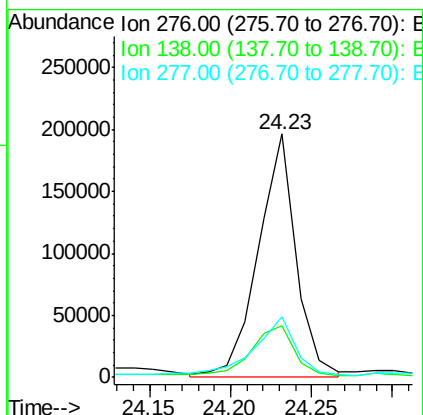
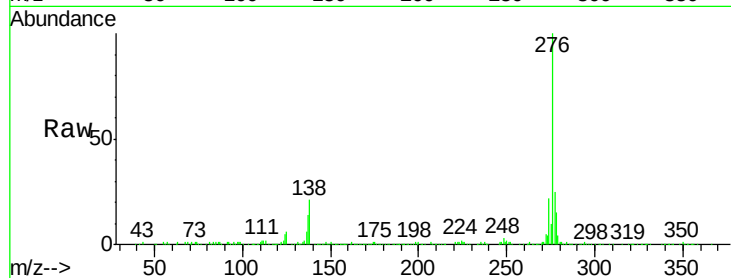




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.17 ng/mL  
 RT: 24.23 min Scan# 2025  
 Delta R.T. 0.06 min  
 Lab File: BF076833.D  
 Acq: 13 Jan 2015 7:02

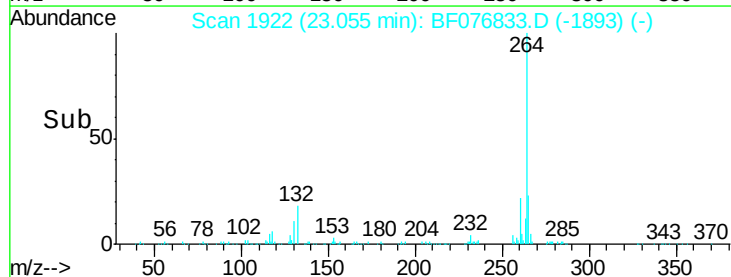
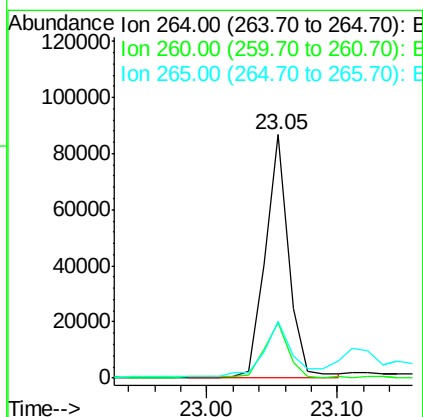
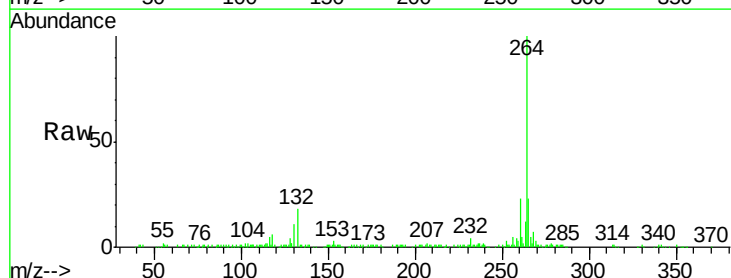
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-SS-2(4-6)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.4  | 0.0   | 0.0#  |
| 277     | 23.9  | 0.0   | 0.0#  |

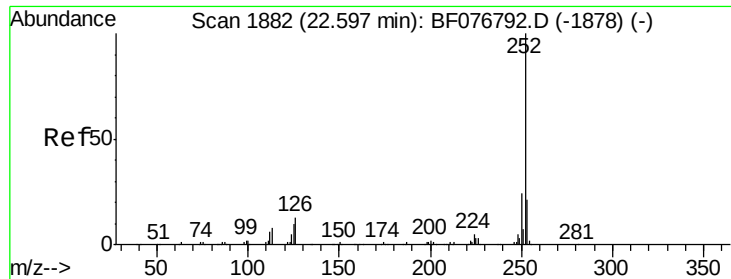


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.05 min Scan# 1922  
 Delta R.T. 0.03 min  
 Lab File: BF076833.D  
 Acq: 13 Jan 2015 7:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 19.4  | 29.0  |
| 265     | 23.2  | 18.9  | 28.3  |







#87

Benzo(b)fluoranthene

Concen: 89.96 ng m

RT: 22.63 min Scan# 1885

Delta R.T. 0.03 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

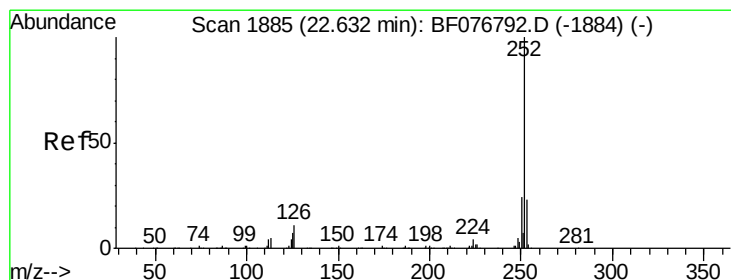
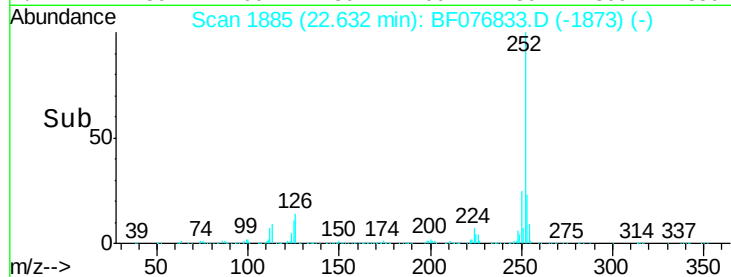
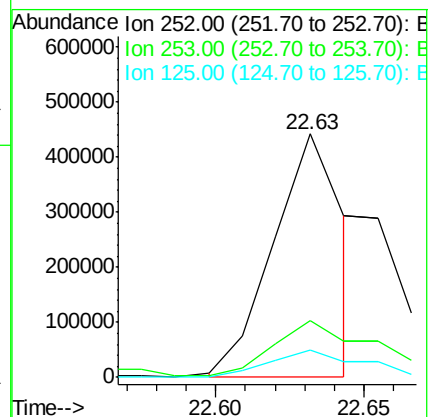
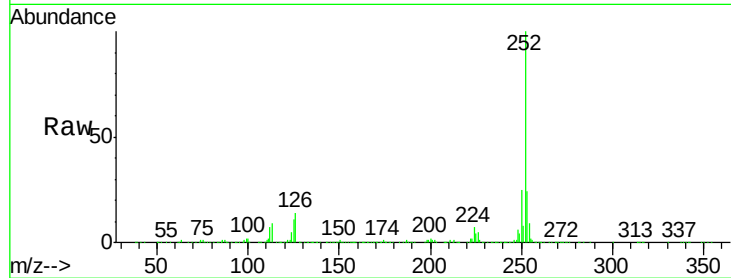
Tot Ion:252 Resp: 732151

Ion Ratio Lower Upper

252 100

253 23.5 16.6 25.0

125 11.4 8.1 12.1



#88

Benzo(k)fluoranthene

Concen: 44.12 ng m

RT: 22.64 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

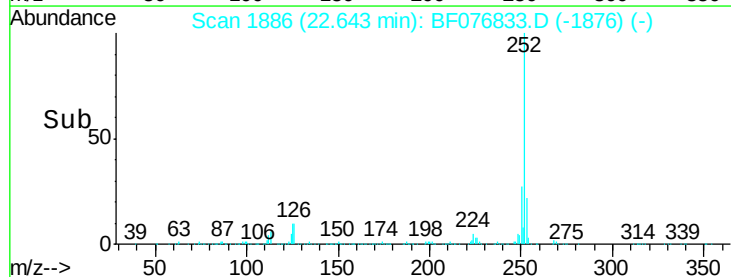
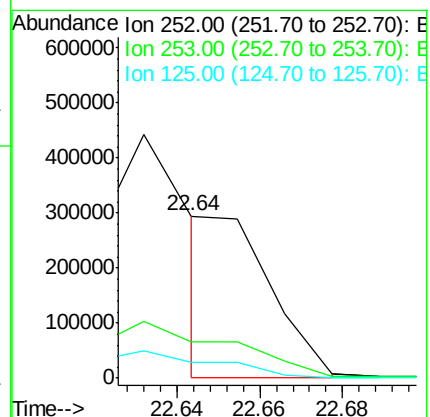
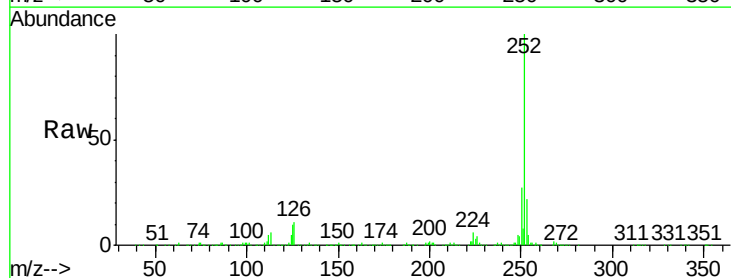
Tgt Ion:252 Resp: 283283

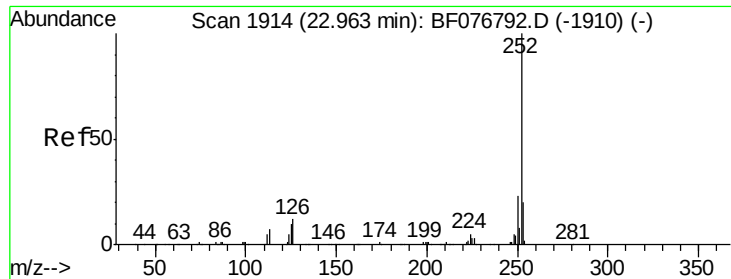
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 9.7 7.5 11.3





#89

Benzo(a)pyrene

Concen: 79.71 ng

RT: 23.00 min Scan# 1917

Delta R.T. 0.03 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

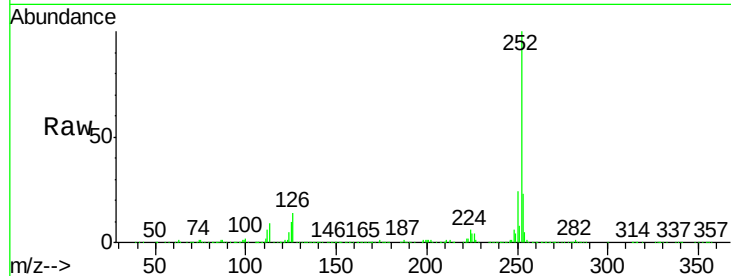
Tot Ion:252 Resp: 537561

Ion Ratio Lower Upper

252 100

253 23.0 16.2 24.4

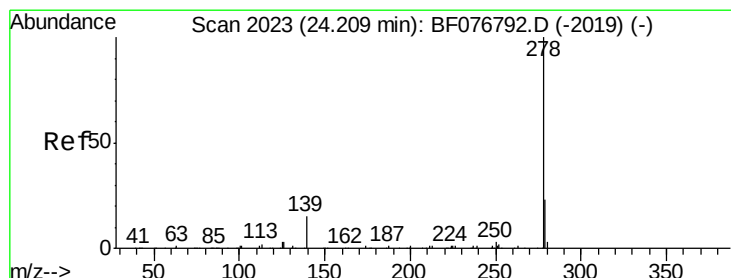
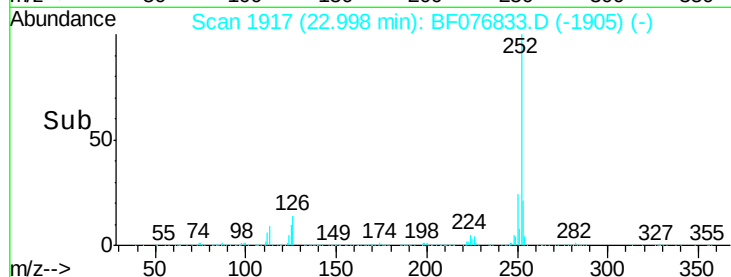
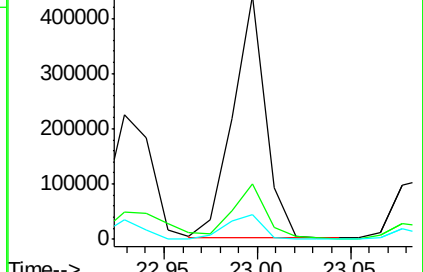
125 10.3 7.8 11.6



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



#90

Dibenzo(a,h)anthracene

Concen: 10.80 ng m

RT: 24.24 min Scan# 2026

Delta R.T. 0.03 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

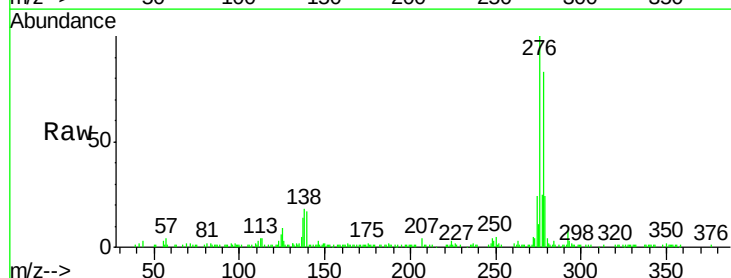
Tgt Ion:278 Resp: 66225

Ion Ratio Lower Upper

278 100

139 20.0 12.2 18.4#

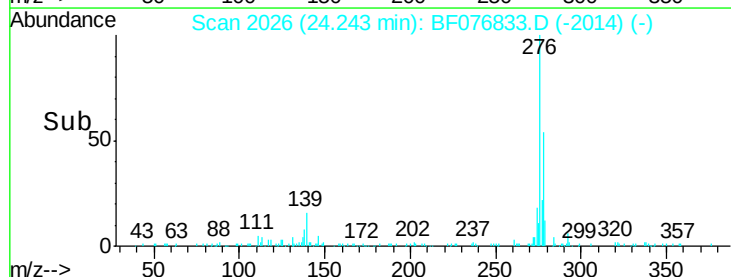
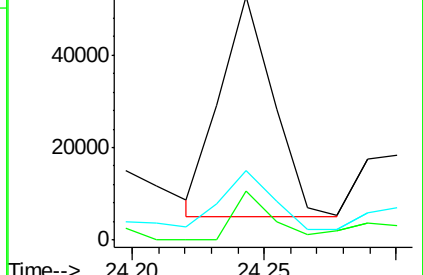
279 28.6 17.9 26.9#

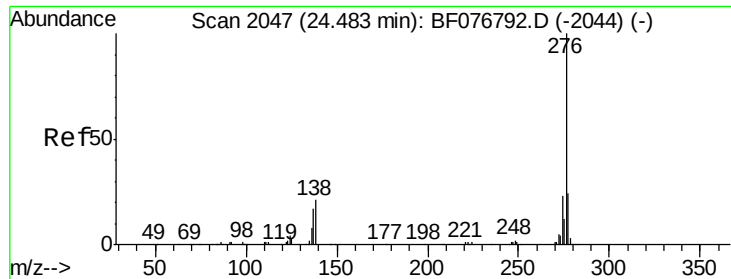


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 44.66 ng

RT: 24.54 min Scan# 2052

Delta R.T. 0.06 min

Lab File: BF076833.D

Acq: 13 Jan 2015 7:02

Instrument :

BNA\_F

ClientSampleId :

TP1-SS-2(4-6)

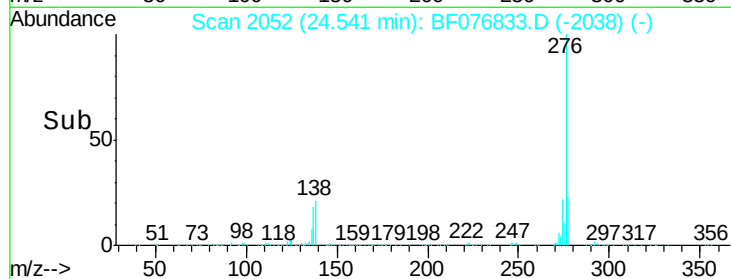
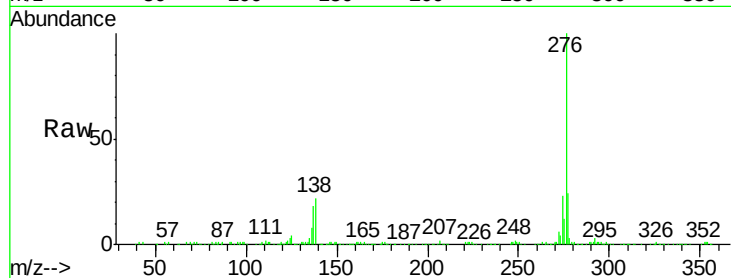
Tot Ion:276 Resp: 278281

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.6

138 22.2 16.7 25.1



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

