

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111816\  
 Data File : BF091231.D  
 Acq On : 18 Nov 2016 12:11  
 Operator : UM/SJ  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Nov 21 00:11:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

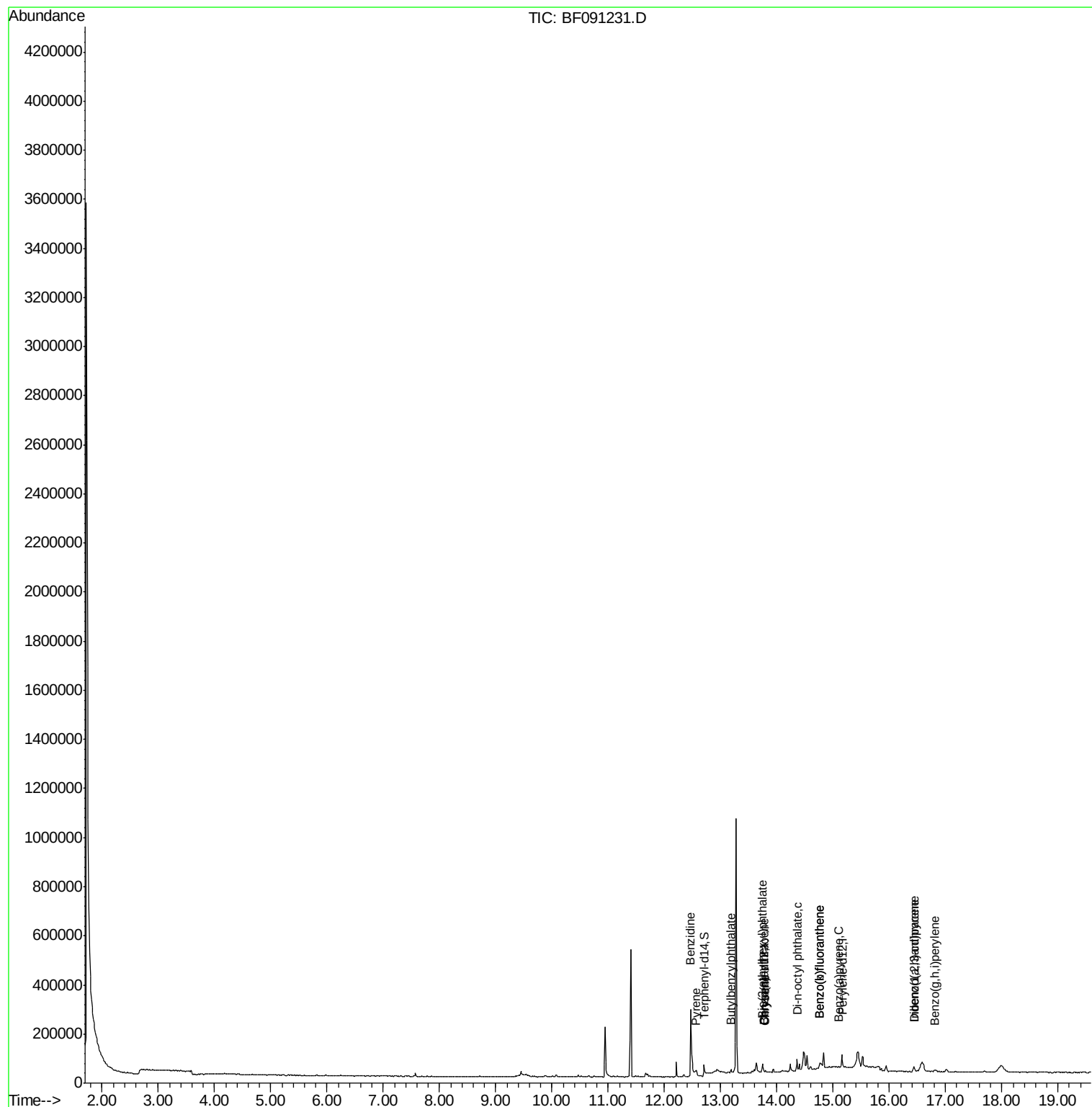
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|---------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00    | ng    | -6.66     |
| 21) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00    | ng    | -7.95     |
| 38) Acenaphthene-d10           | 0.00  | 164  | 0        | 0.00    | ng    | -9.70     |
| 63) Phenanthrene-d10           | 0.00  | 188  | 0        | 0.00    | ng    | -11.17    |
| 75) Chrysene-d12               | 13.77 | 240  | 2167     | 20.00   | ng    | -0.05     |
| 86) Perylene-d12               | 15.16 | 264  | 1246     | 20.00   | ng    | -0.02     |
| System Monitoring Compounds    |       |      |          |         |       |           |
| 5) 2-Fluorophenol              | 0.00  | 112  | 0        | 0.00    | ng    |           |
| 7) Phenol-d6                   | 0.00  | 99   | 0        | 0.00    | ng    |           |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1276     | 0.00    | ng    | 0.21      |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00    | ng    |           |
| 44) 2-Fluorobiphenyl           | 0.00  | 172  | 0        | 0.00    | ng    |           |
| 78) Terphenyl-d14              | 12.71 | 244  | 18833    | 216.87  | ng    | -0.06     |
| Target Compounds               |       |      |          |         |       |           |
| 76) Benzidine                  | 12.47 | 184  | 241125   | 4980.69 | ng    | Qvalue 97 |
| 77) Pyrene                     | 12.57 | 202  | 10648    | 75.03   | ng    | 98        |
| 79) Butylbenzylphthalate       | 13.19 | 149  | 4198     | 61.84   | ng    | 95        |
| 80) Benzo(a)anthracene         | 13.77 | 228  | 5772     | 46.91   | ng    | 96        |
| 82) Chrysene                   | 13.79 | 228  | 7864     | 64.82   | ng    | 96        |
| 83) Bis(2-ethylhexyl)phthalate | 13.75 | 149  | 15800    | 171.99  | ng    | # 98      |
| 84) Di-n-octyl phthalate       | 14.36 | 149  | 32252    | 213.53  | ng    | # 95      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.44 | 276  | 5860     | 58.22   | ng    | # 84      |
| 87) Benzo(b)fluoranthene       | 14.76 | 252  | 29396    | 347.85  | ng    | # 94      |
| 88) Benzo(k)fluoranthene       | 14.76 | 252  | 29396    | 396.54  | ng    | 98        |
| 89) Benzo(a)pyrene             | 15.11 | 252  | 4960     | 67.42   | ng    | # 88      |
| 90) Dibenzo(a,h)anthracene     | 16.44 | 278  | 4566     | 71.79   | ng    | # 93      |
| 91) Benzo(g,h,i)perylene       | 16.81 | 276  | 5118     | 88.98   | ng    | # 72      |

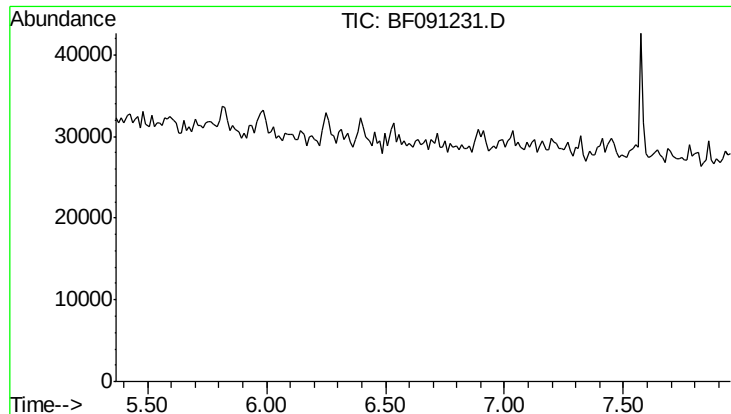
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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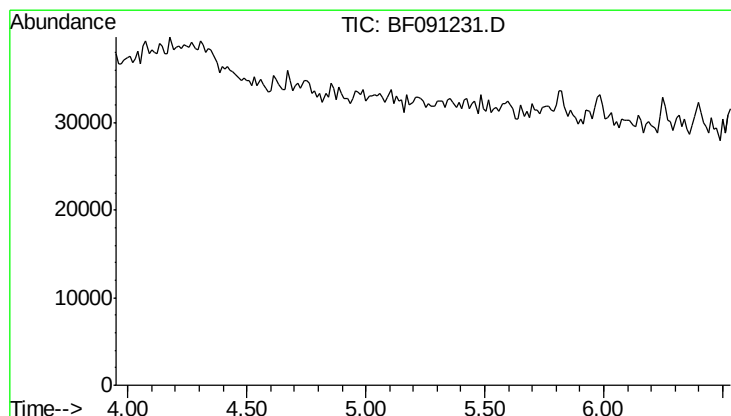
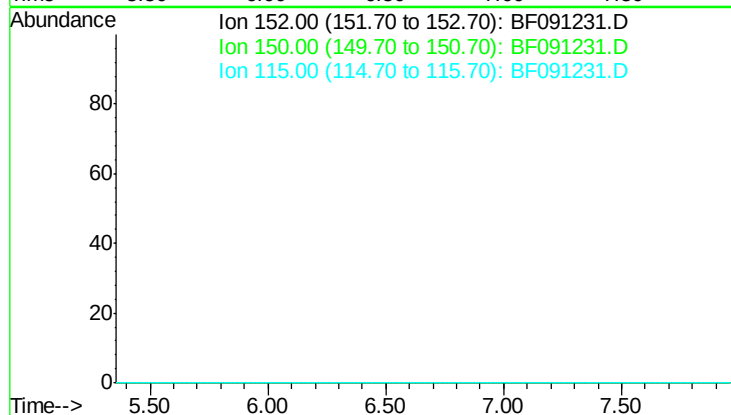




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 6.66 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

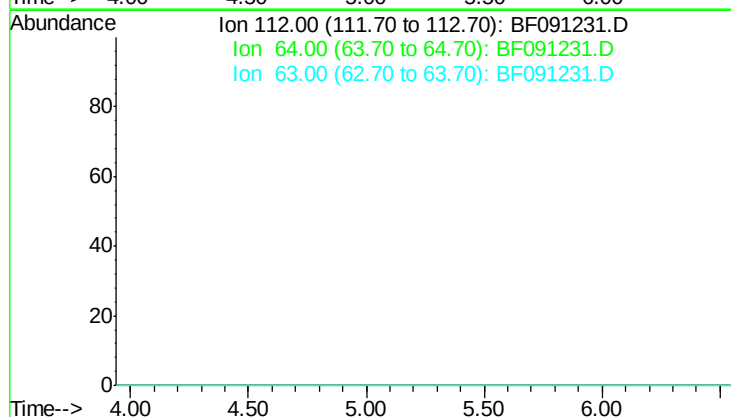
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

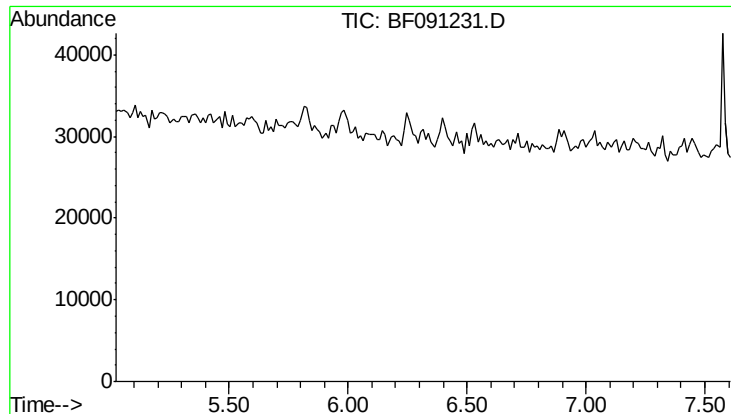
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 158.5  
 115 66.6



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.24 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 69.7  
 63 35.0





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.32 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Instrument :

BNA\_F

ClientSampleId :

DFTPP

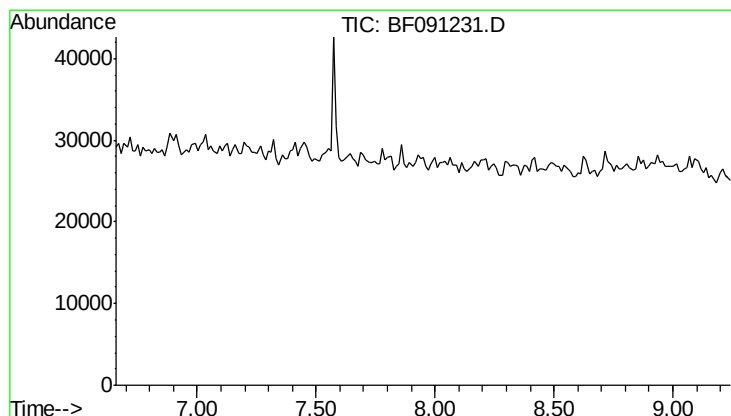
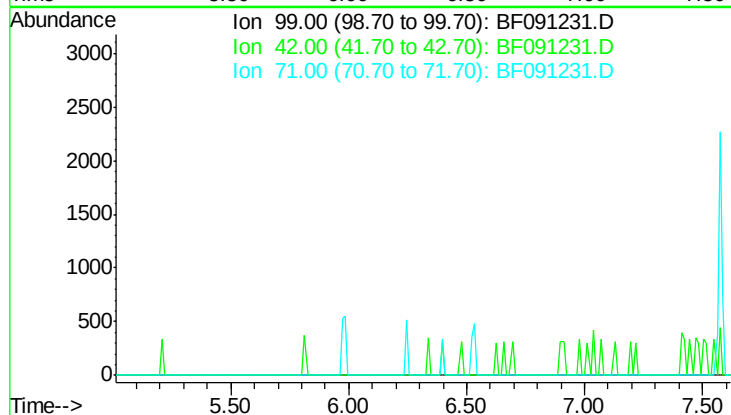
Tgt Ion: 99

Sig Exp Ratio

99 100

42 17.4

71 34.8



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 7.95 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Tgt Ion: 136

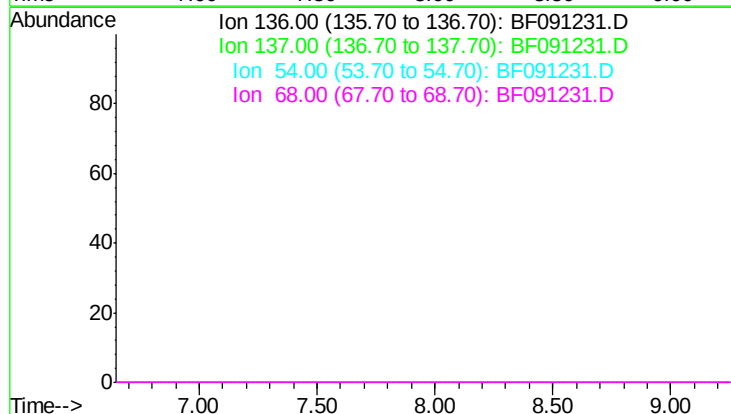
Sig Exp Ratio

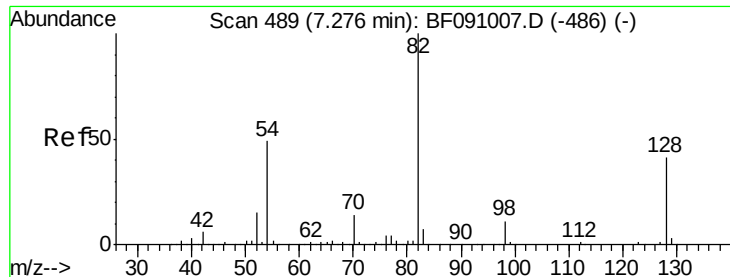
136 100

137 11.1

54 7.7

68 6.9

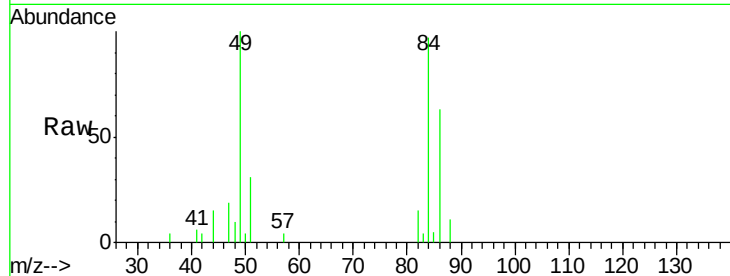




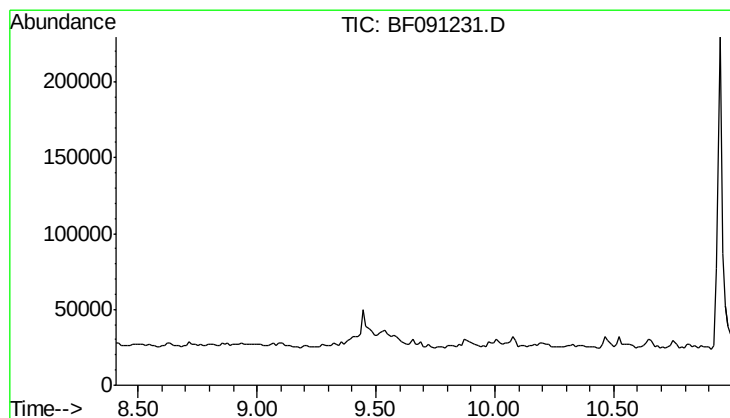
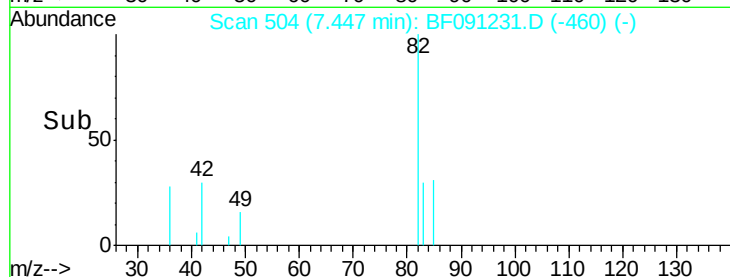
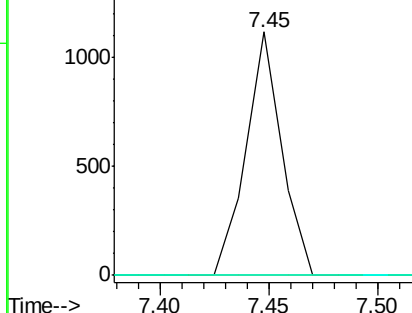
#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 RT: 7.45 min Scan# 504  
 Delta R.T. 0.21 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 82 Resp: 1276  
 Ion Ratio Lower Upper  
 82 100  
 128 0.0 32.4 48.6#  
 54 0.0 39.2 58.8#



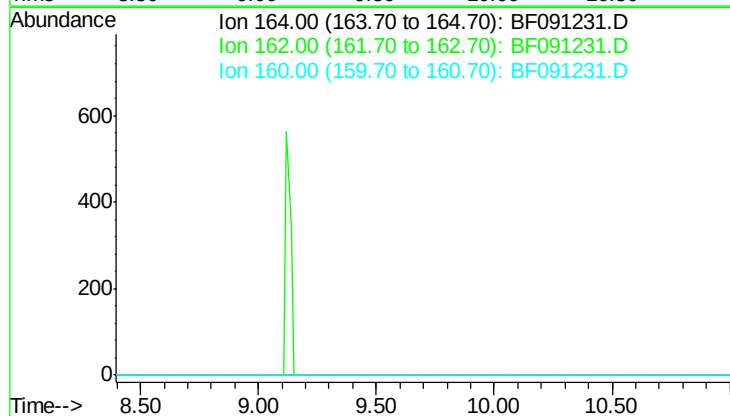
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

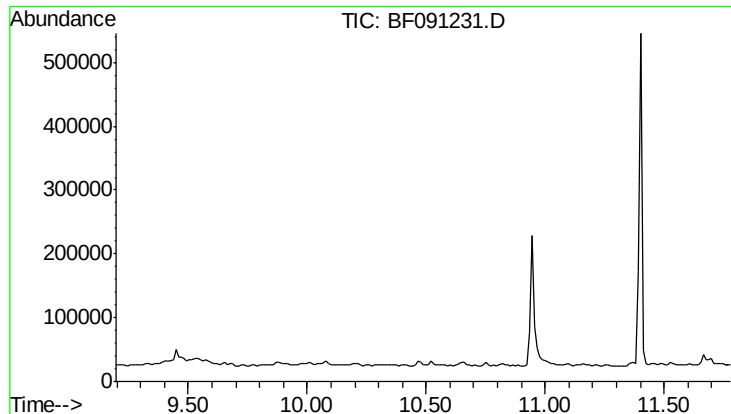


#38  
 Acenaphthene-d10  
 Concen: 0.00 ng  
 Expected RT: 9.70 min

Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 164  
 Sig Exp Ratio  
 164 100  
 162 104.5  
 160 47.4

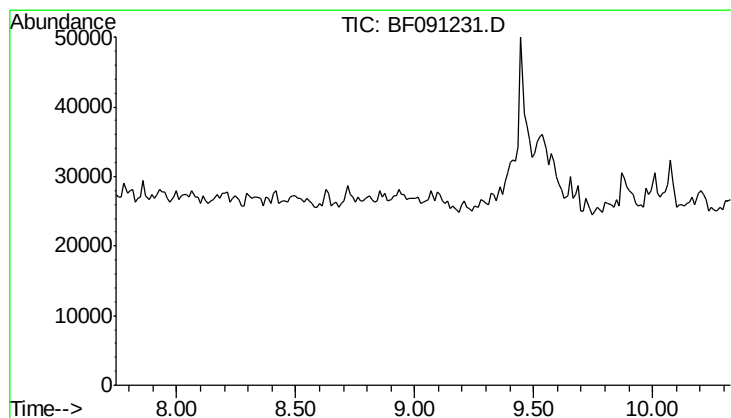
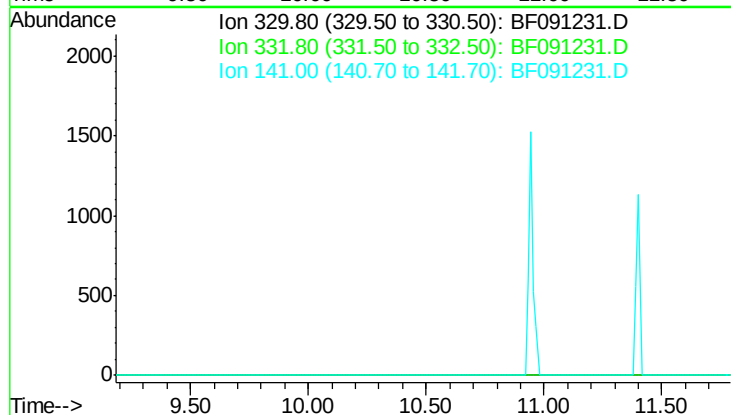




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.49 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

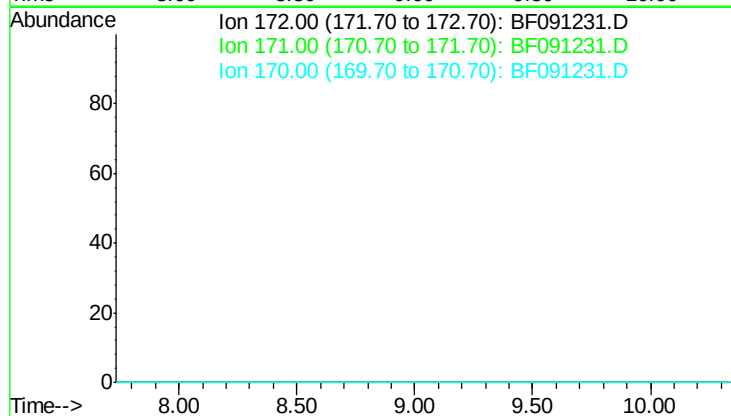
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

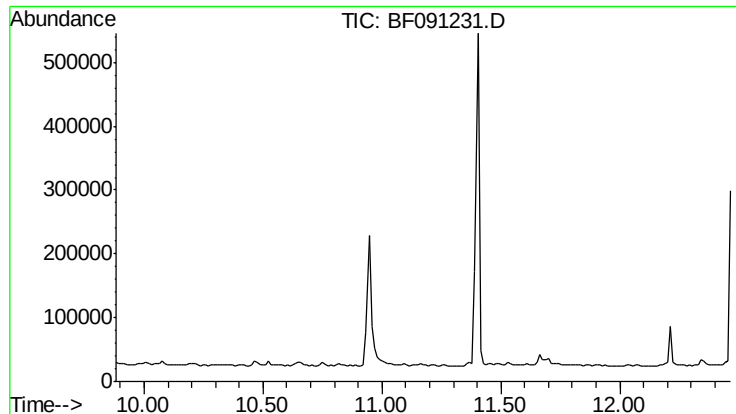
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 94.9  
 141 45.1



#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 Expected RT: 9.04 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 37.2  
 170 25.4

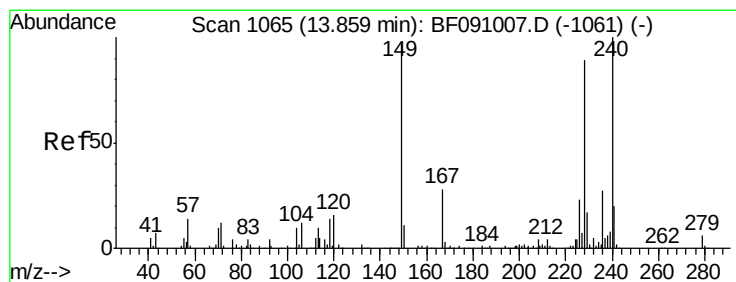
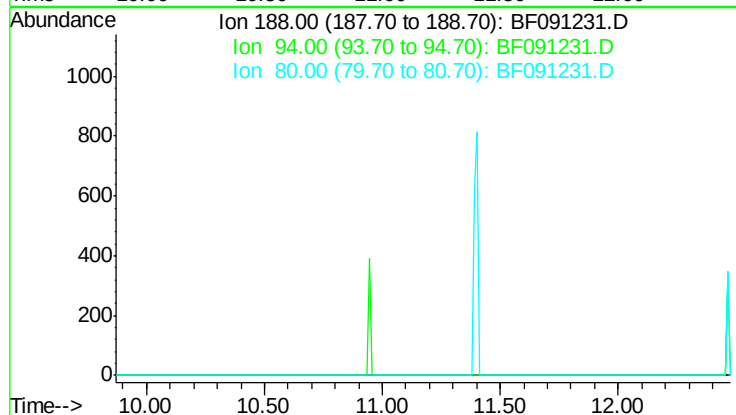




#63  
 Phenanthrene-d10  
 Concen: 0.00 ng  
 Expected RT: 11.17 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

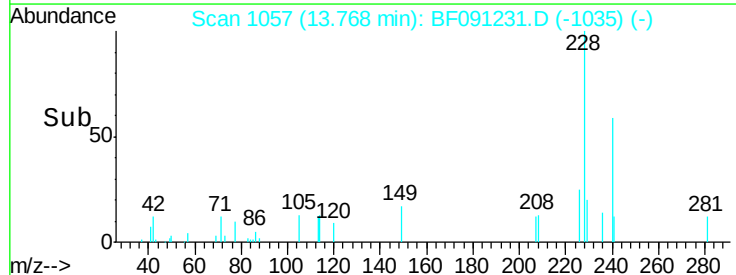
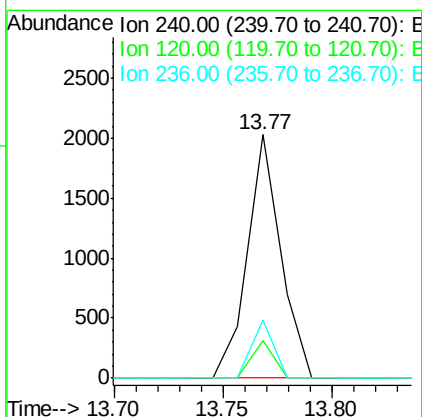
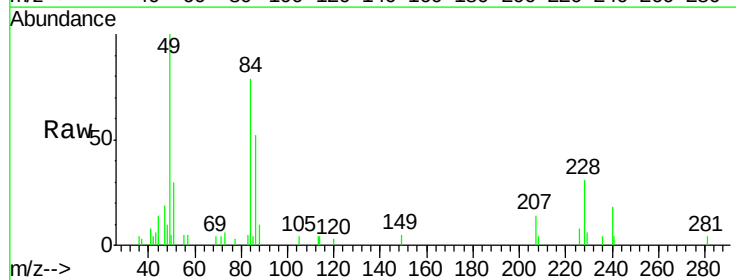
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

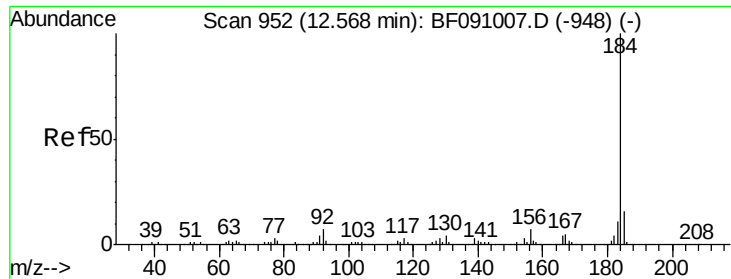
Tgt Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 8.7  
 80 9.4



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.77 min Scan# 1057  
 Delta R.T. -0.05 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 240 Resp: 2167  
 Ion Ratio Lower Upper  
 240 100  
 120 15.4 12.9 19.3  
 236 23.8 21.9 32.9





#76

Benzidine

Concen: 4980.69 ng

RT: 12.47 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Instrument :

BNA\_F

ClientSampleId :

DFTPP

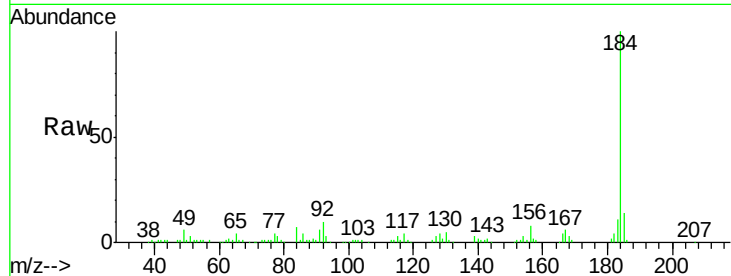
Tgt Ion:184 Resp: 241125

Ion Ratio Lower Upper

184 100

185 14.4 13.0 19.4

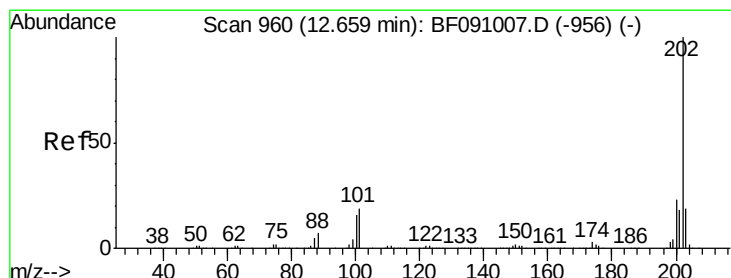
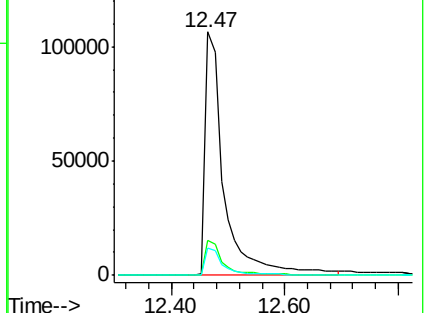
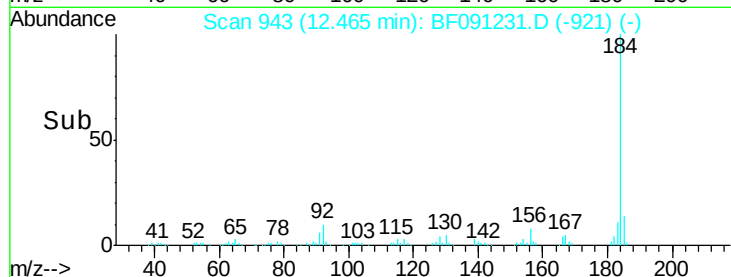
183 11.3 8.7 13.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 75.03 ng

RT: 12.57 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

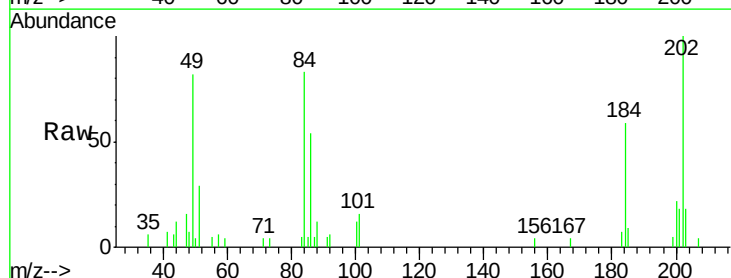
Tgt Ion:202 Resp: 10648

Ion Ratio Lower Upper

202 100

200 22.4 18.4 27.6

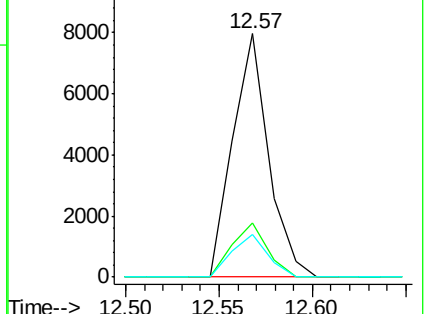
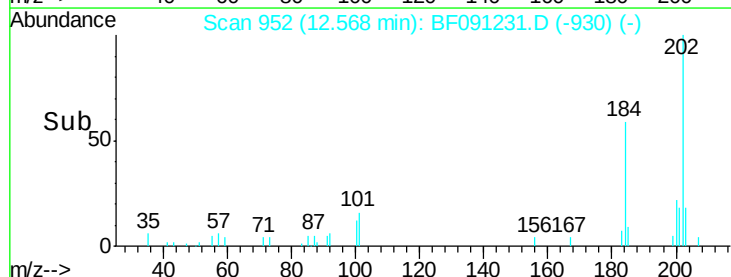
203 17.7 15.0 22.6



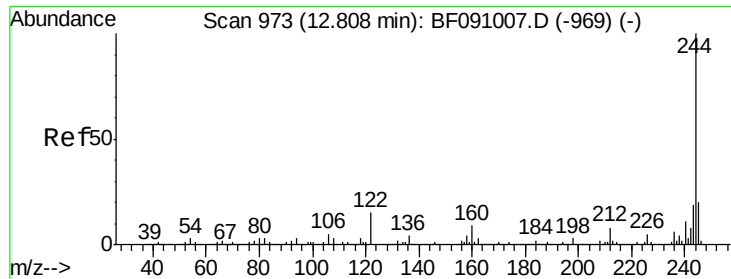
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



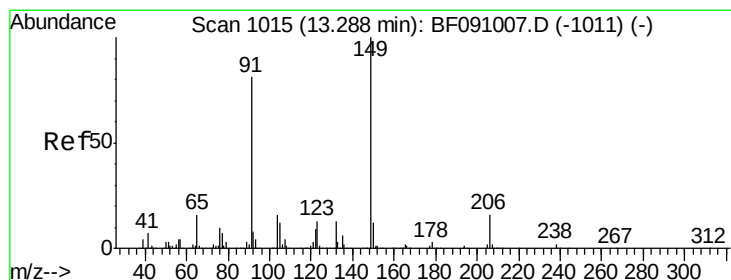
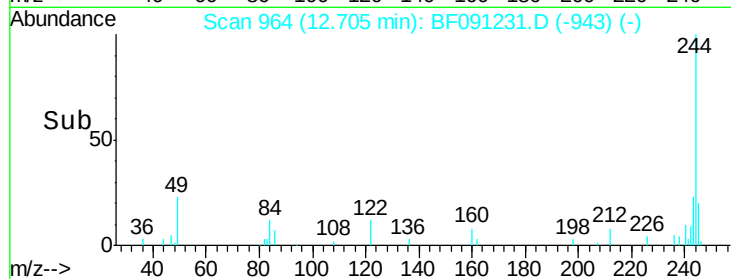
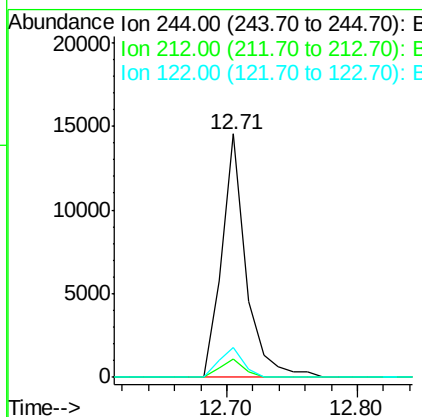
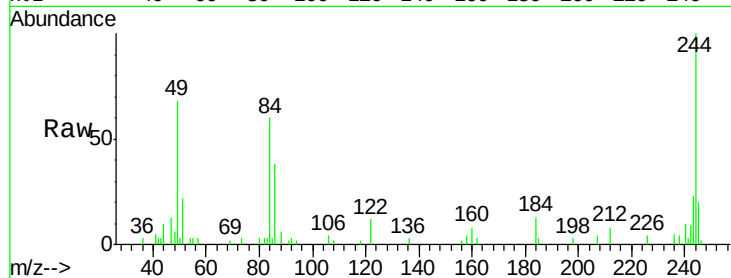




#78  
 Terphenyl-d14  
 Concen: 216.87 ng  
 RT: 12.71 min Scan# 964  
 Delta R.T. -0.06 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

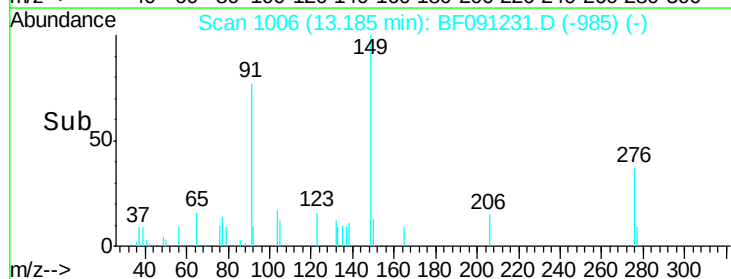
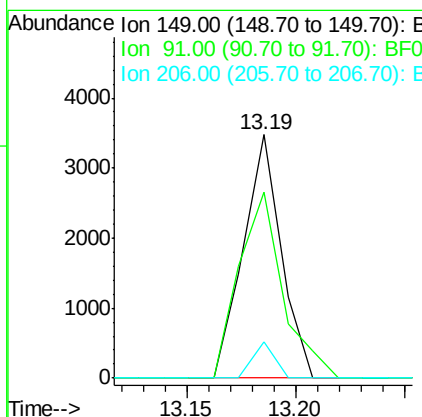
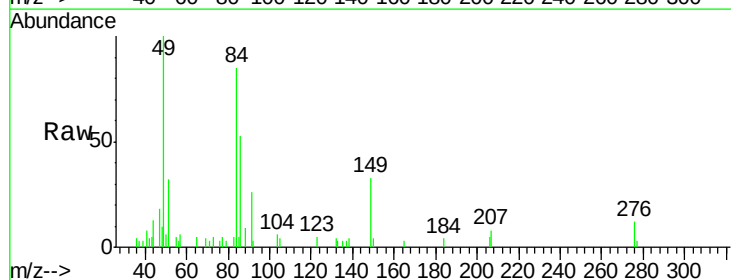
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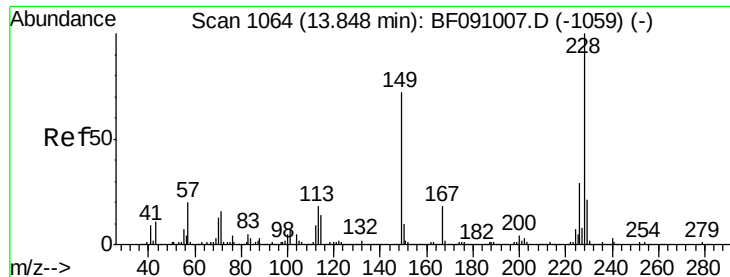
Tgt Ion: 244 Resp: 18833  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.4 9.6  
 122 12.2 12.3 18.5#



#79  
 Butylbenzylphthalate  
 Concen: 61.84 ng  
 RT: 13.19 min Scan# 1006  
 Delta R.T. -0.06 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 149 Resp: 4198  
 Ion Ratio Lower Upper  
 149 100  
 91 76.6 65.0 97.4  
 206 14.9 12.5 18.7





#80

Benzo(a)anthracene

Concen: 46.91 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Instrument :

BNA\_F

ClientSampleId :

DFTPP

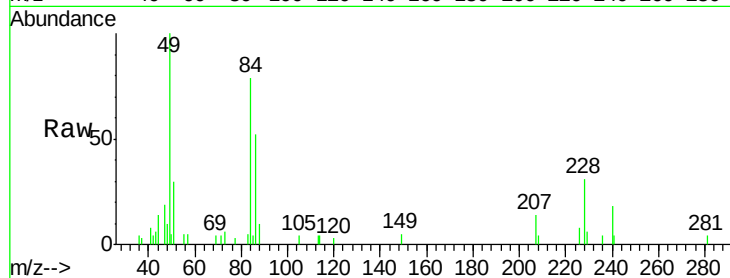
Tgt Ion:228 Resp: 5772

Ion Ratio Lower Upper

228 100

226 25.2 23.0 34.6

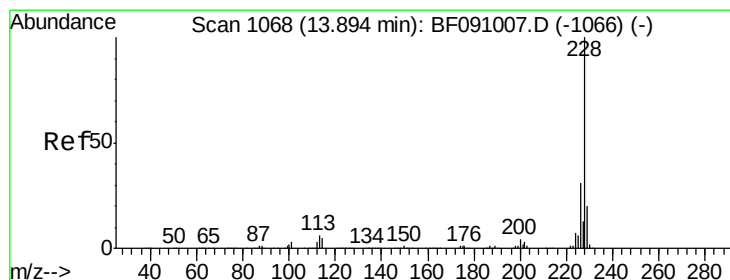
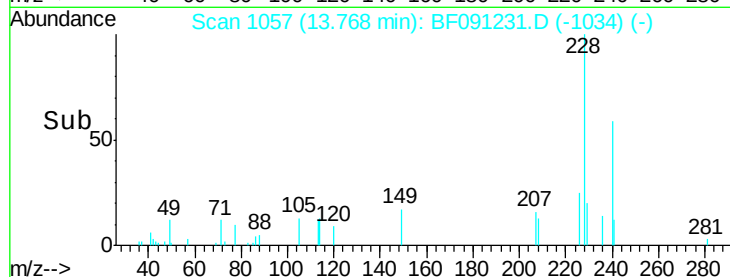
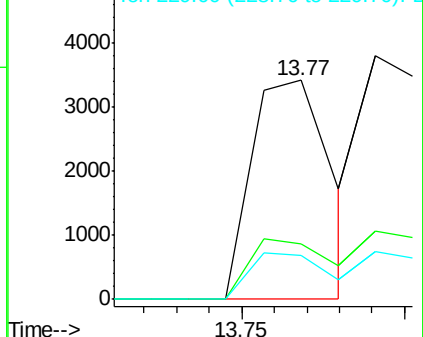
229 20.1 16.6 24.8



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: 64.82 ng

RT: 13.79 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

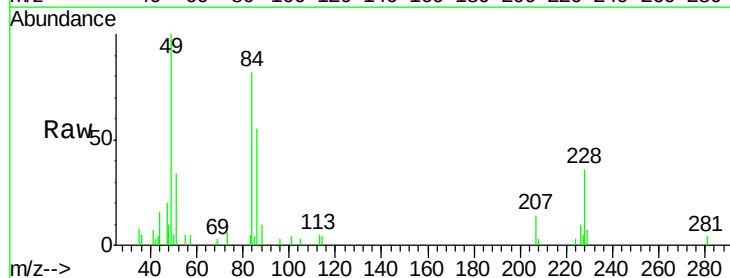
Tgt Ion:228 Resp: 7864

Ion Ratio Lower Upper

228 100

226 28.2 24.9 37.3

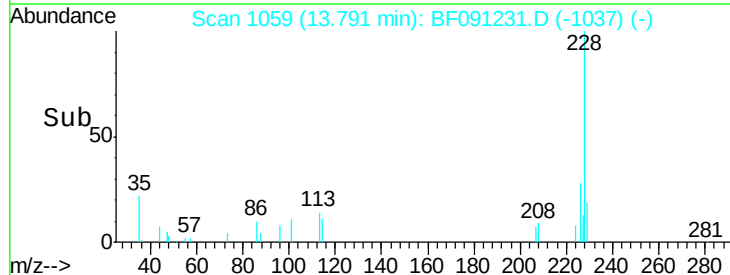
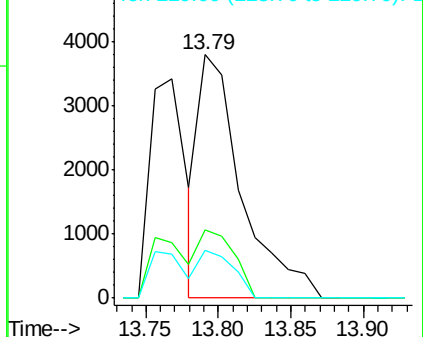
229 19.5 15.9 23.9

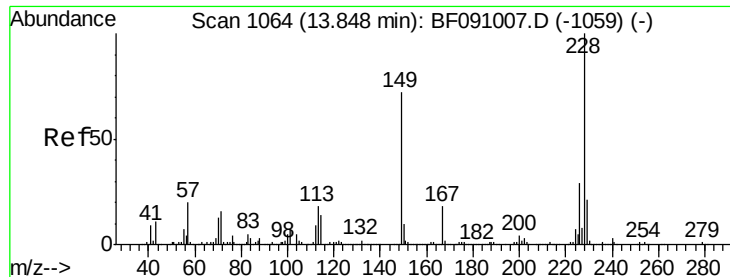


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 171.99 ng

RT: 13.75 min Scan# 1055

Delta R.T. -0.06 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Instrument :

BNA\_F

ClientSampleId :

DFTPP

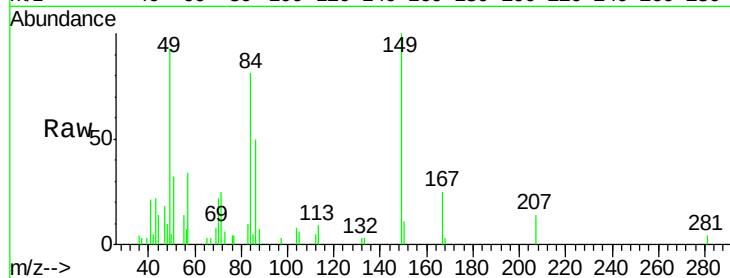
Tgt Ion:149 Resp: 15800

Ion Ratio Lower Upper

149 100

167 24.5 20.4 30.6

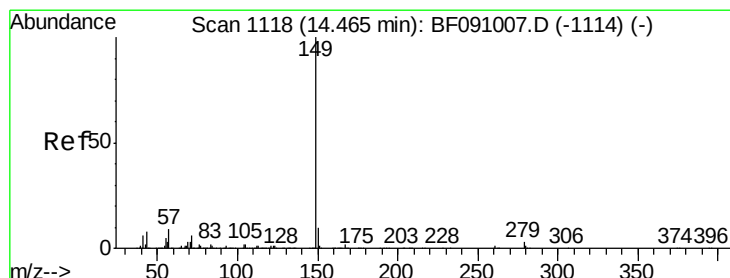
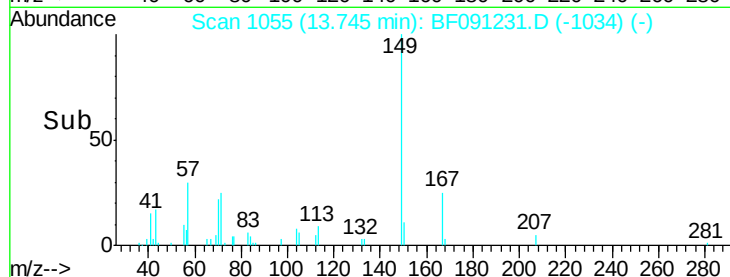
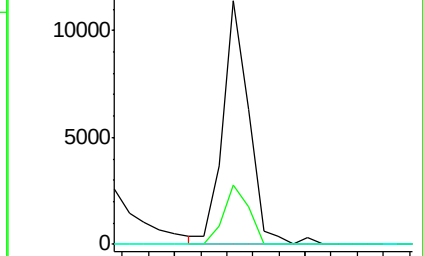
279 0.0 1.6 2.4#



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



#84

Di-n-octyl phthalate

Concen: 213.53 ng

RT: 14.36 min Scan# 1109

Delta R.T. -0.06 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

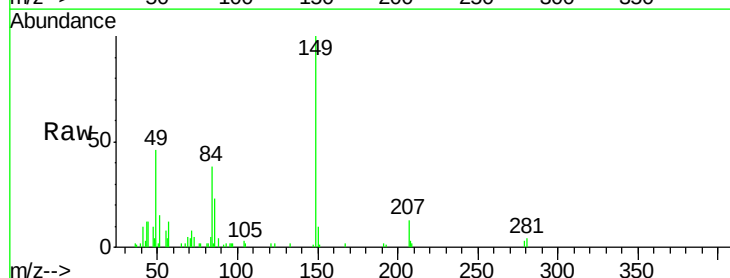
Tgt Ion:149 Resp: 32252

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

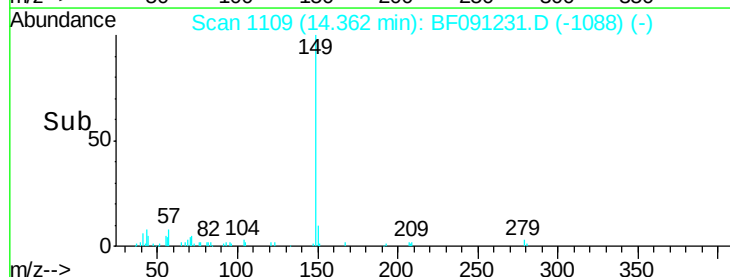
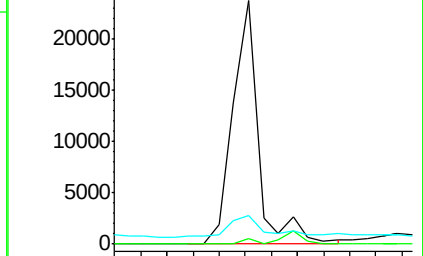
43 12.2 8.2 12.4

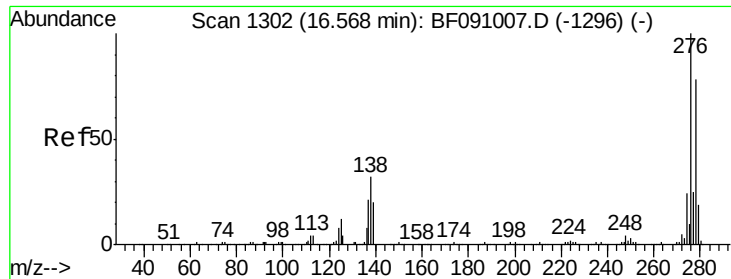


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

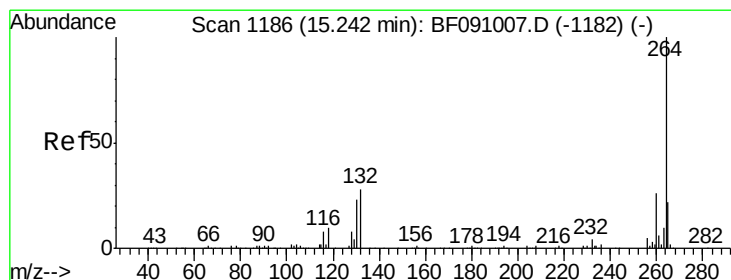
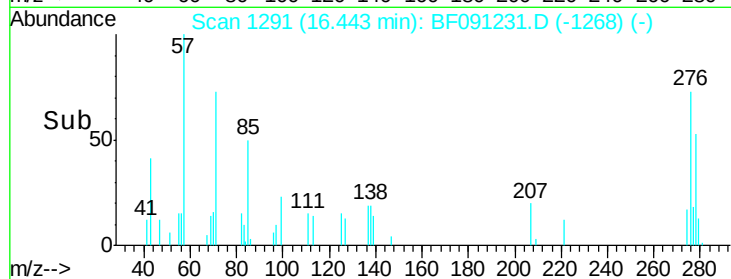
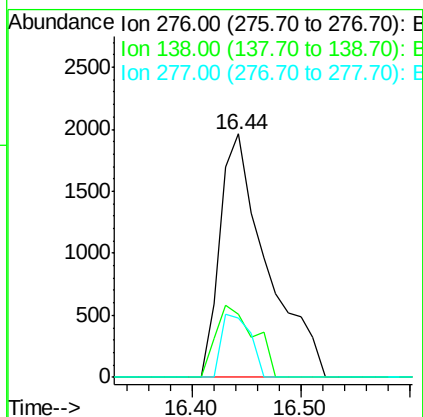
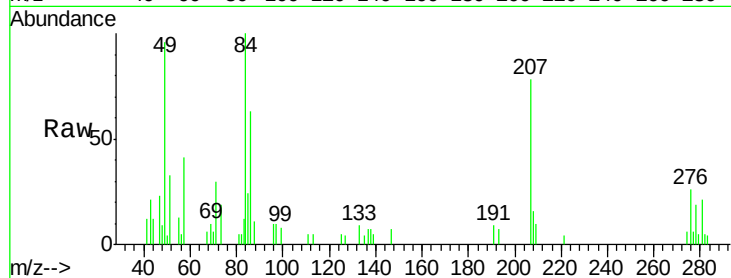




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 58.22 ng  
 RT: 16.44 min Scan# 1291  
 Delta R.T. -0.03 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

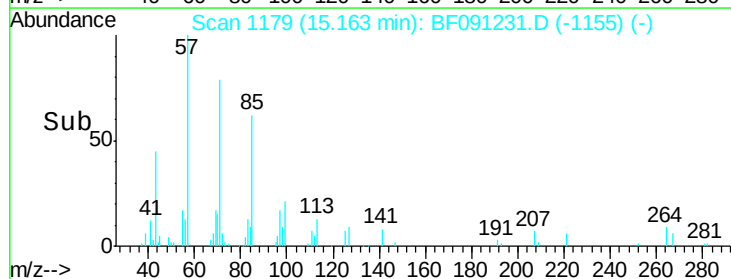
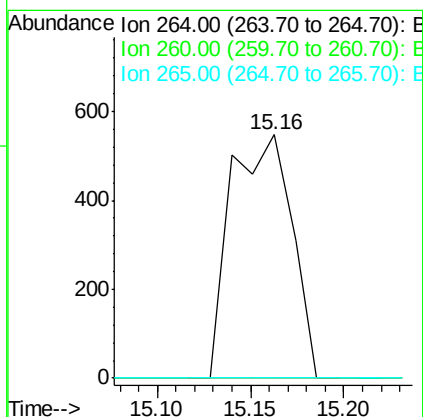
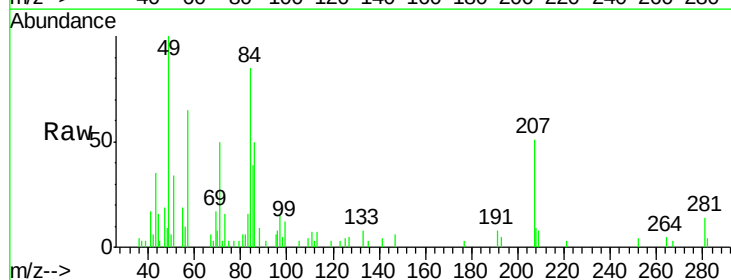
Instrument :  
 BNA\_F  
 ClientSampled :  
 DFTPP

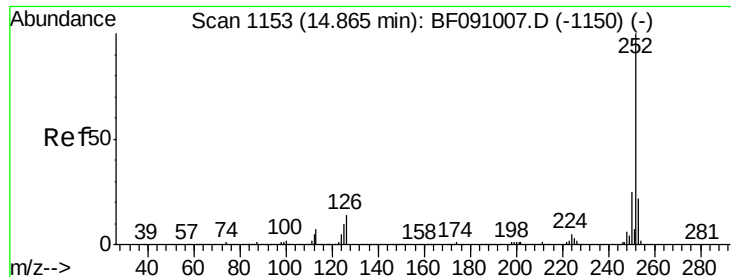
Tgt Ion: 276 Resp: 5860  
 Ion Ratio Lower Upper  
 276 100  
 138 24.6 26.0 39.0#  
 277 15.6 20.1 30.1#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.16 min Scan# 1179  
 Delta R.T. -0.02 min  
 Lab File: BF091231.D  
 Acq: 18 Nov 2016 12:11

Tgt Ion: 264 Resp: 1246  
 Ion Ratio Lower Upper  
 264 100  
 260 0.0 20.6 30.8#  
 265 0.0 17.8 26.8#





#87

Benzo(b)fluoranthene

Concen: 347.85 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.05 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

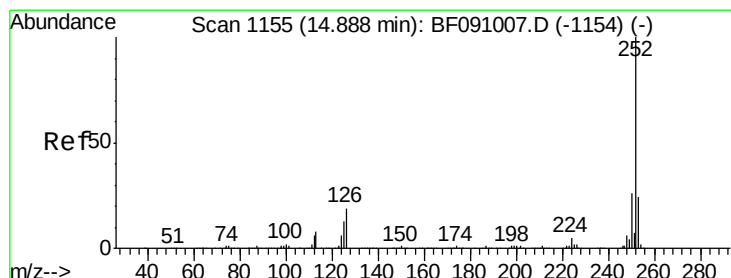
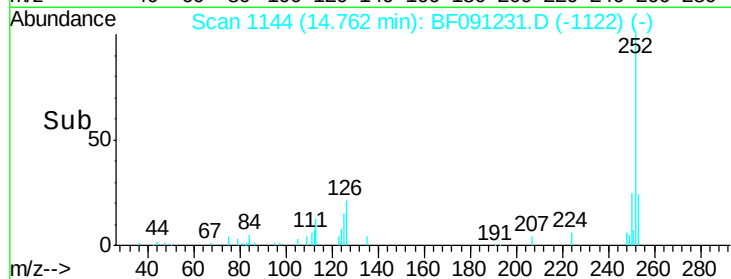
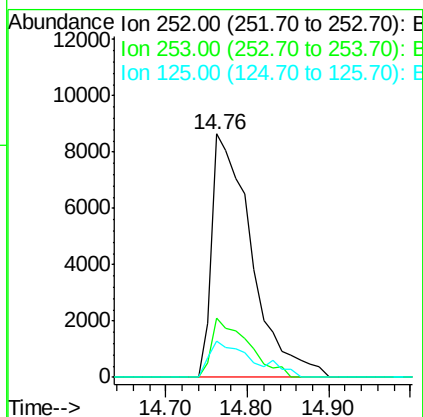
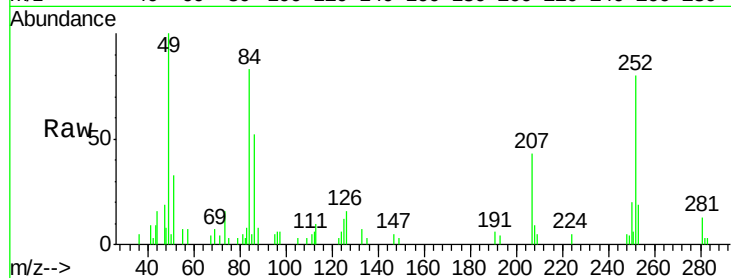
Instrument :

BNA\_F

ClientSampleId :

DFTPP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 29396 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 18.0  | 27.0  |
| 125       | 14.7  | 8.3   | 12.5# |



#88

Benzo(k)fluoranthene

Concen: 396.54 ng

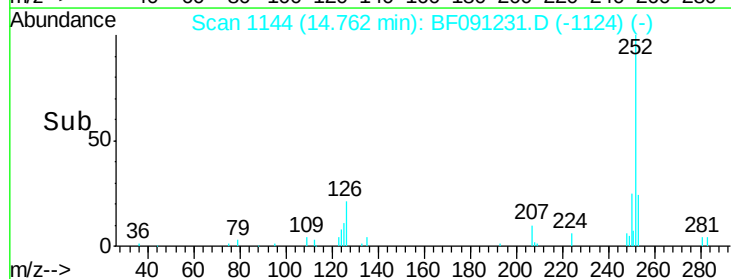
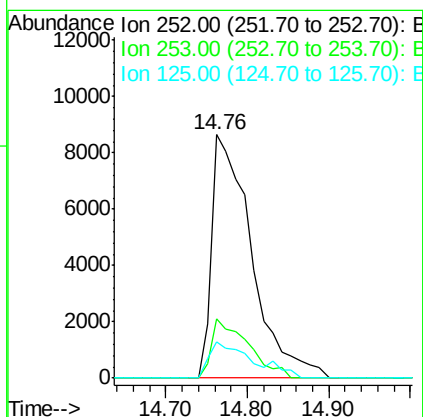
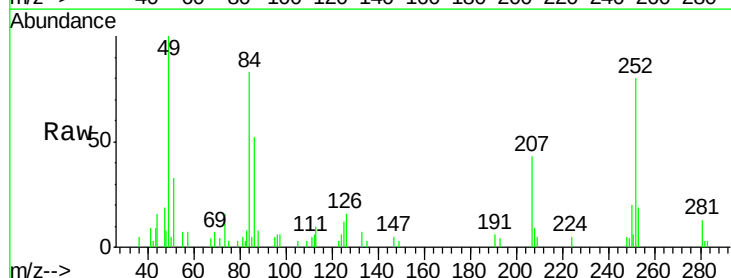
RT: 14.76 min Scan# 1144

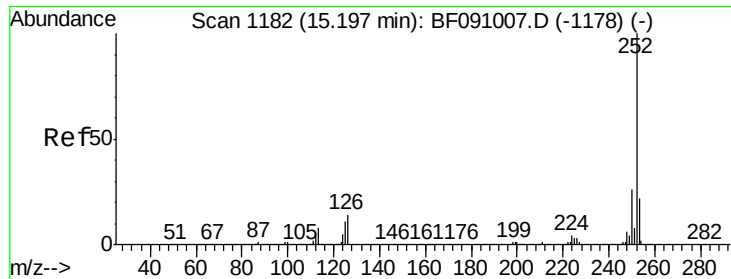
Delta R.T. -0.07 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 29396 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 18.6  | 28.0  |
| 125       | 14.7  | 11.2  | 16.8  |

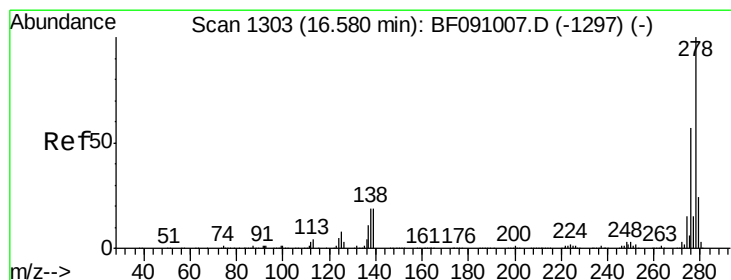
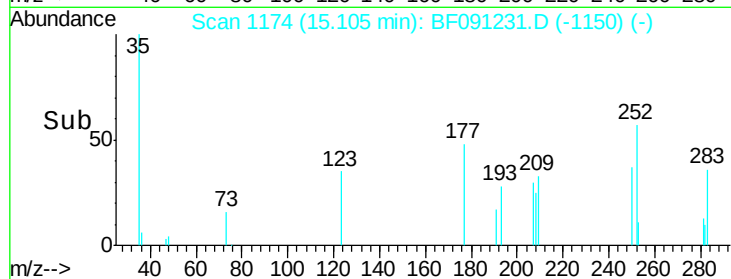
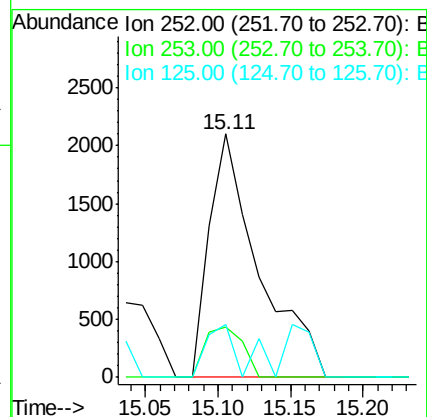
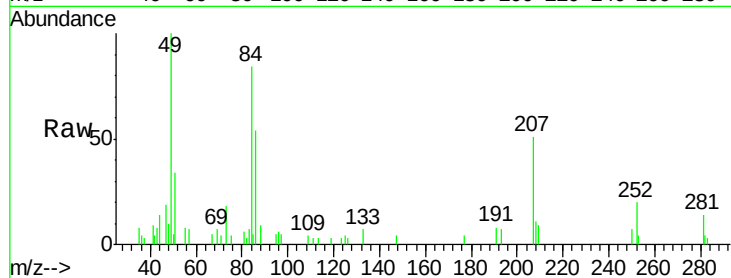




#89  
Benzo(a)pyrene  
Concen: 67.42 ng  
RT: 15.11 min Scan# 1174  
Delta R.T. -0.02 min  
Lab File: BF091231.D  
Acq: 18 Nov 2016 12:11

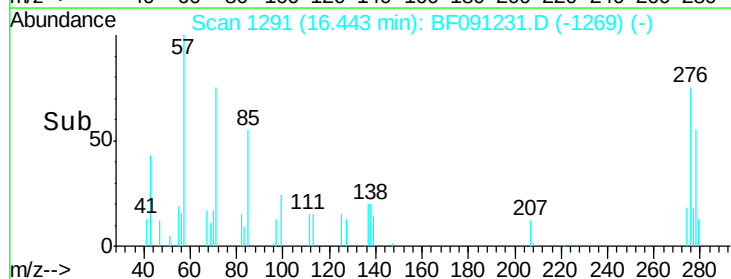
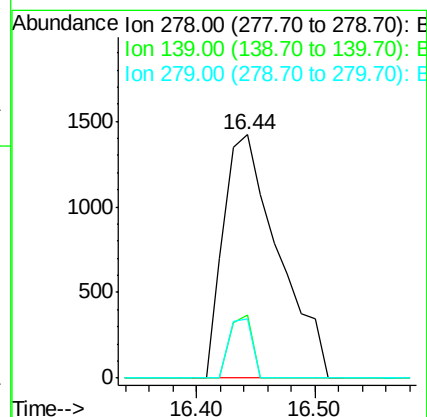
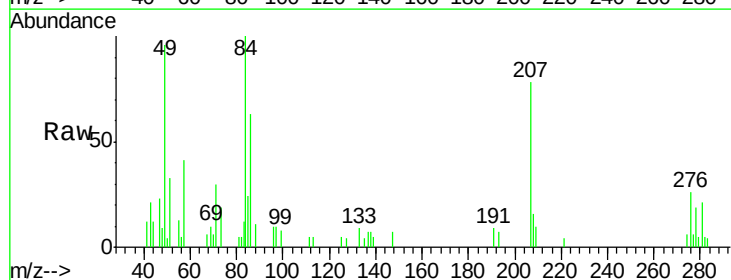
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

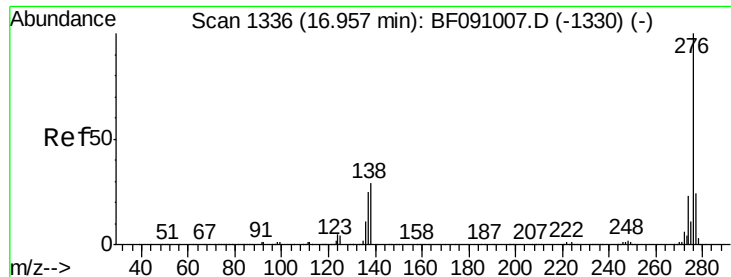
Tgt Ion: 252 Resp: 4960  
Ion Ratio Lower Upper  
252 100  
253 20.5 17.8 26.8  
125 21.6 8.6 13.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 71.79 ng  
RT: 16.44 min Scan# 1291  
Delta R.T. -0.05 min  
Lab File: BF091231.D  
Acq: 18 Nov 2016 12:11

Tgt Ion: 278 Resp: 4566  
Ion Ratio Lower Upper  
278 100  
139 26.2 15.3 22.9#  
279 24.5 19.3 28.9





#91

Benzo(g,h,i)perylene

Concen: 88.98 ng

RT: 16.81 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BF091231.D

Acq: 18 Nov 2016 12:11

Instrument :

BNA\_F

ClientSampleId :

DFTPP

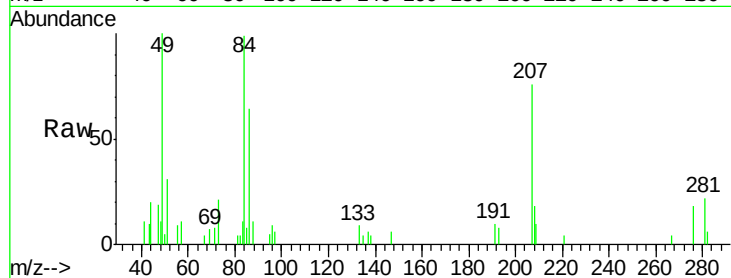
Tgt Ion:276 Resp: 5118

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 23.3 23.3 34.9



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

