

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111816\  
 Data File : BF091235.D  
 Acq On : 18 Nov 2016 16:13  
 Operator : UM/SJ  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Nov 21 00:12:28 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

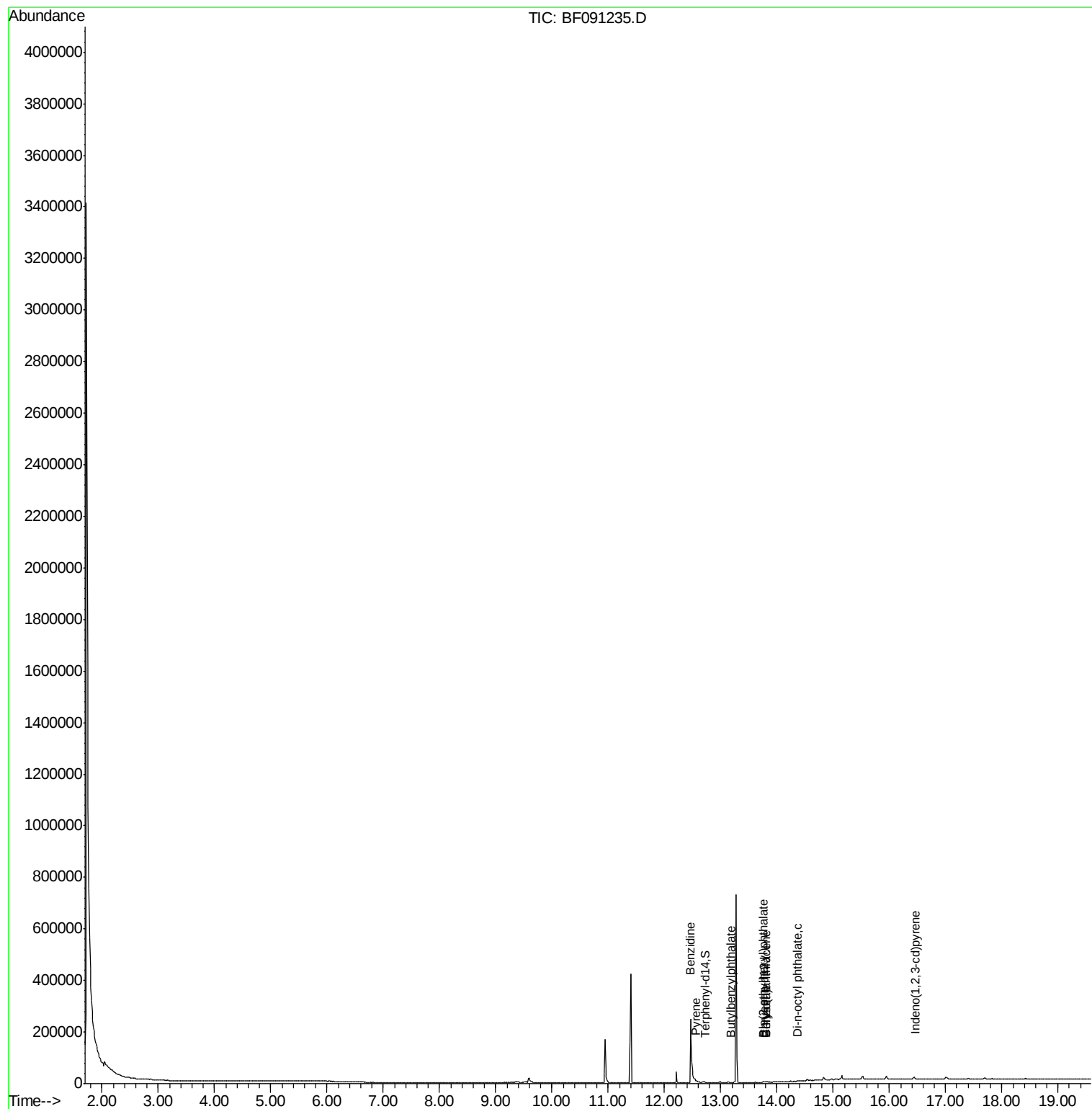
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|---------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00    | ng    | -6.66     |
| 21) Naphthalene-d8             | 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               | 13.78 | 240  | 1324     | 20.00   | ng    | -0.03     |
| 86) Perylene-d12               | 0.00  | 264  | 0        | 0.00    | ng    | -15.19    |
| 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   | 232      | 0.00    | ng    | 0.21      |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00    | ng    |           |
| 44) 2-Fluorobiphenyl           | 8.99  | 172  | 936      | 0.00    | ng    | -0.05     |
| 78) Terphenyl-d14              | 12.72 | 244  | 4757     | 89.66   | ng    | -0.05     |
| Target Compounds               |       |      |          |         |       |           |
| 76) Benzidine                  | 12.47 | 184  | 219177   | 7409.91 | ng    | Qvalue 97 |
| 77) Pyrene                     | 12.57 | 202  | 1777     | 20.49   | ng    | # 55      |
| 79) Butylbenzylphthalate       | 13.19 | 149  | 641      | 15.45   | ng    | # 93      |
| 80) Benzo(a)anthracene         | 13.80 | 228  | 4057     | 53.97   | ng    | # 75      |
| 82) Chrysene                   | 13.80 | 228  | 4057     | 54.73   | ng    | # 80      |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149  | 1372     | 24.44   | ng    | # 53      |
| 84) Di-n-octyl phthalate       | 14.36 | 149  | 1301     | 14.10   | ng    | # 1       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.47 | 276  | 214      | 3.48    | ng    | # 46      |

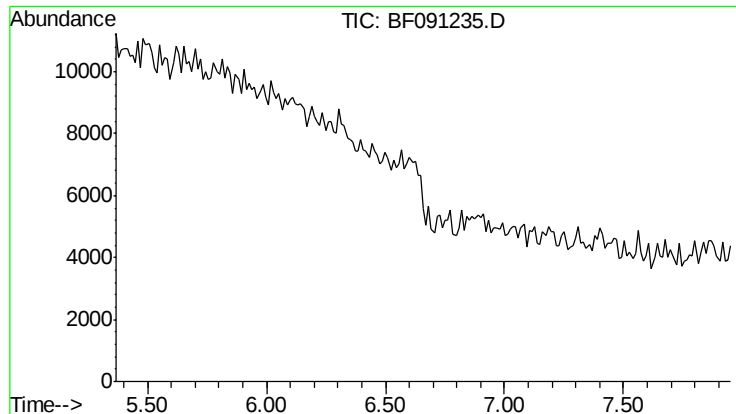
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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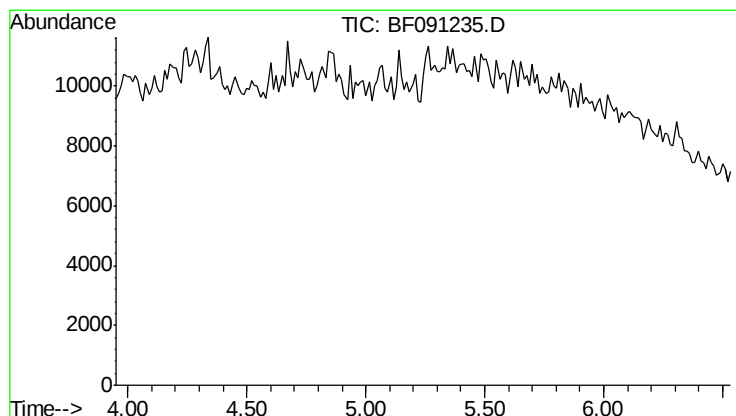
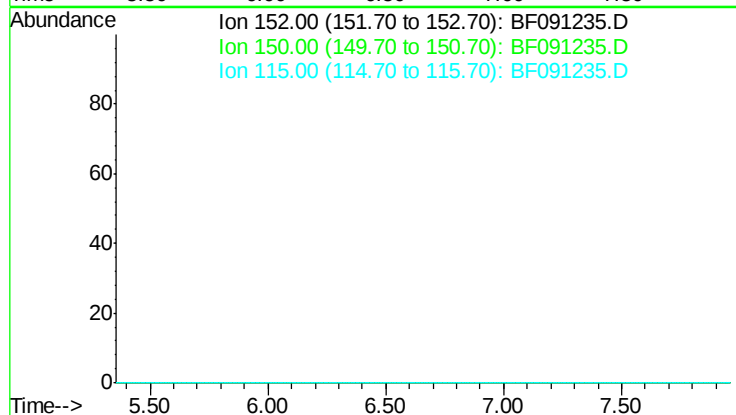




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 6.66 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

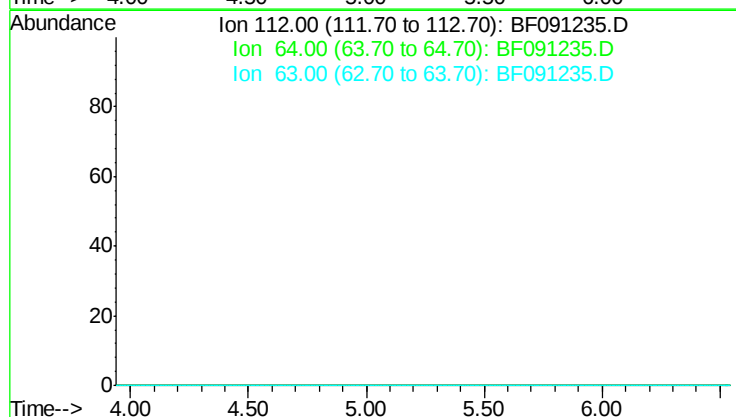
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

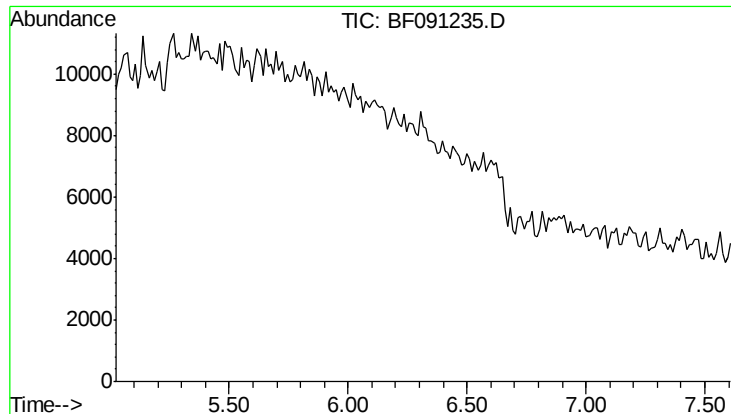
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 158.5  
 115 66.6



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.24 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

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: BF091235.D

Acq: 18 Nov 2016 16:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

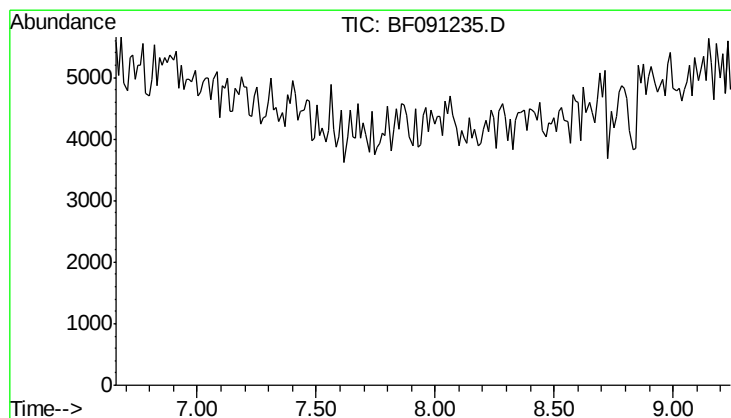
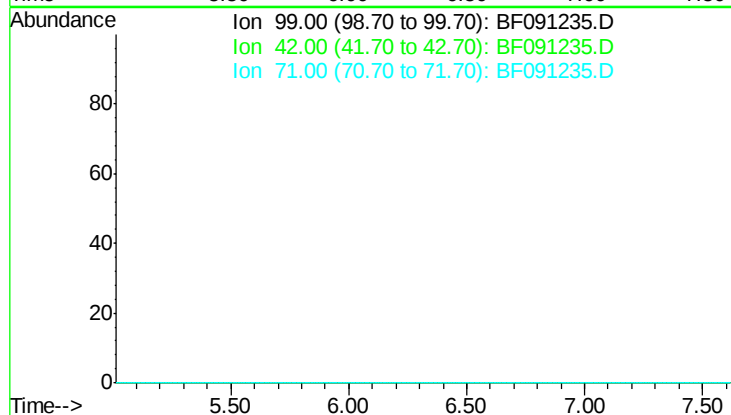
Tgt Ion: 99

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: BF091235.D

Acq: 18 Nov 2016 16:13

Tgt Ion: 136

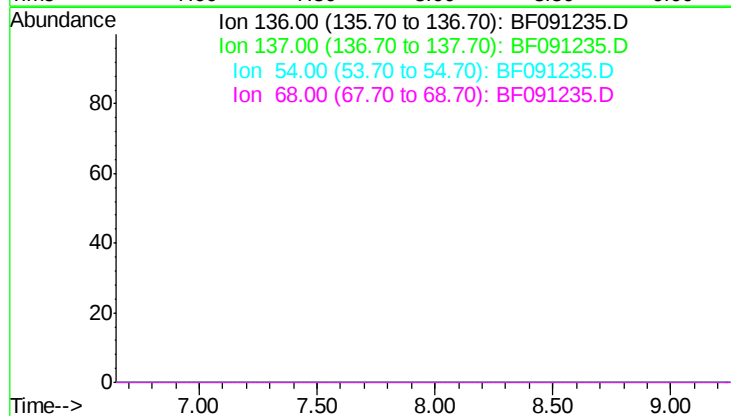
Sig Exp Ratio

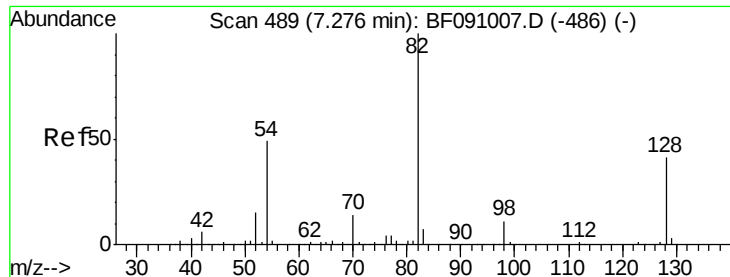
136 100

137 11.1

54 7.7

68 6.9

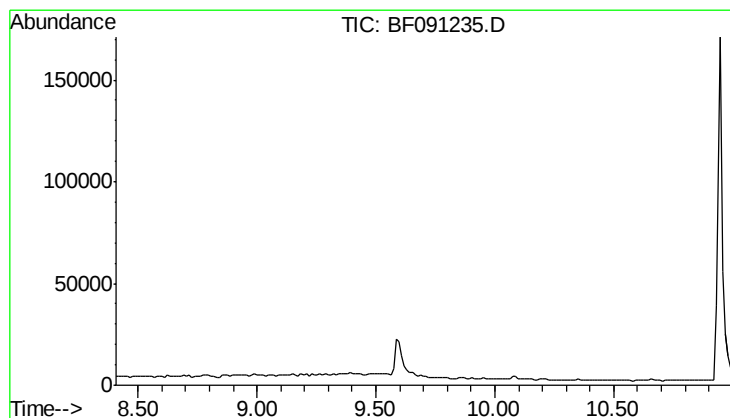
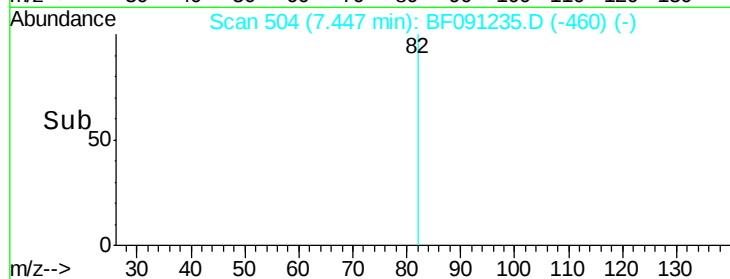
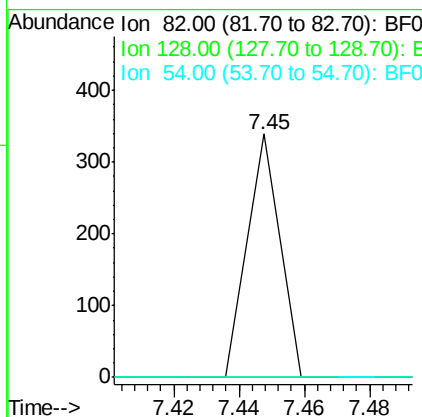
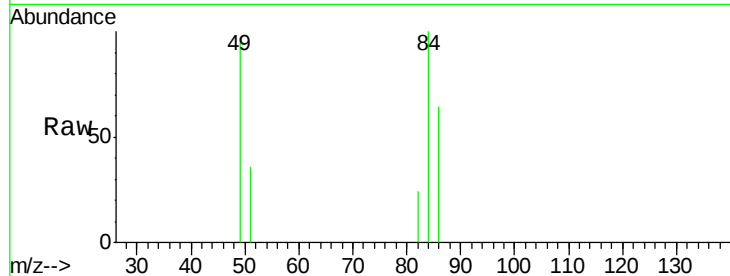




#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 RT: 7.45 min Scan# 504  
 Delta R.T. 0.21 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

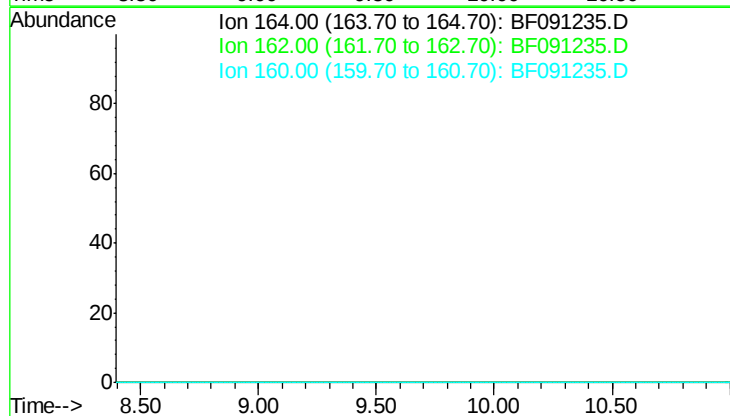
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

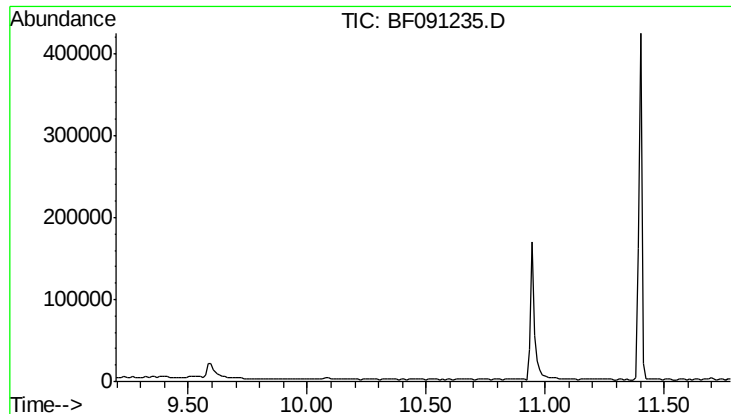
Tgt Ion: 82 Resp: 232  
 Ion Ratio Lower Upper  
 82 100  
 128 0.0 32.4 48.6#  
 54 0.0 39.2 58.8#



#38  
 Acenaphthene-d10  
 Concen: 0.00 ng  
 Expected RT: 9.70 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

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

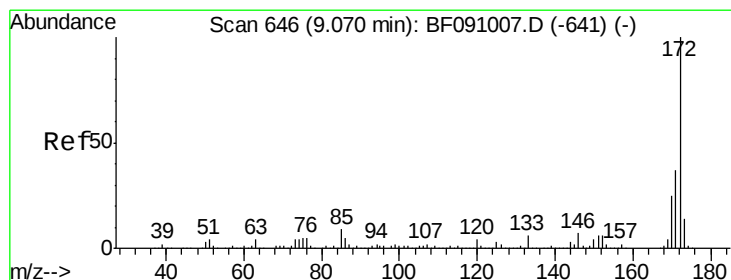
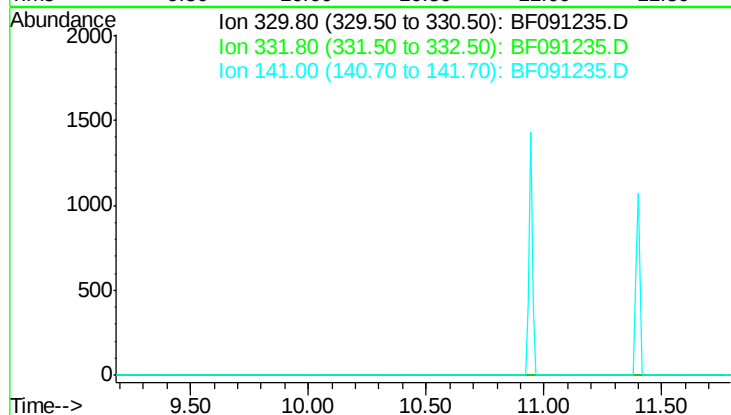




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.49 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

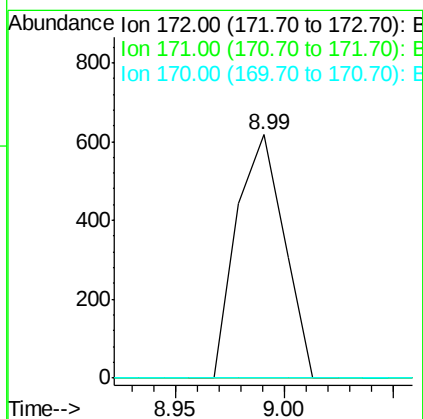
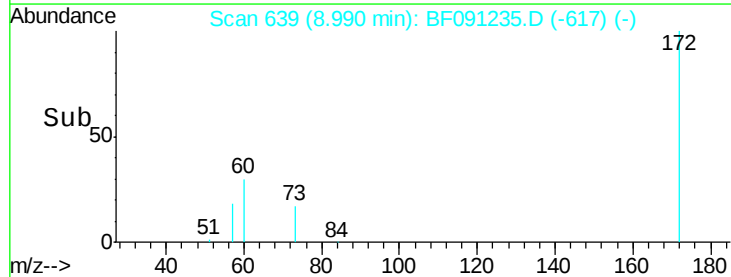
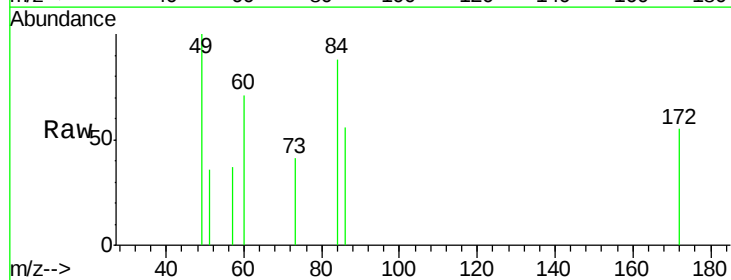
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

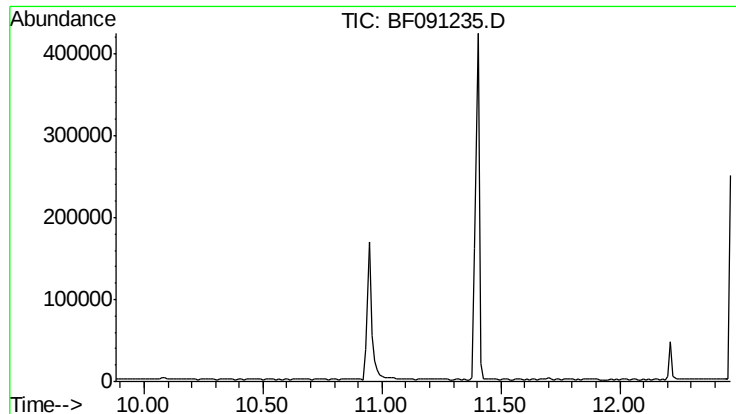
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 94.9  
 141 45.1



#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 RT: 8.99 min Scan# 639  
 Delta R.T. -0.05 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

Tgt Ion: 172 Resp: 936  
 Ion Ratio Lower Upper  
 172 100  
 171 0.0 29.8 44.6#  
 170 0.0 20.3 30.5#

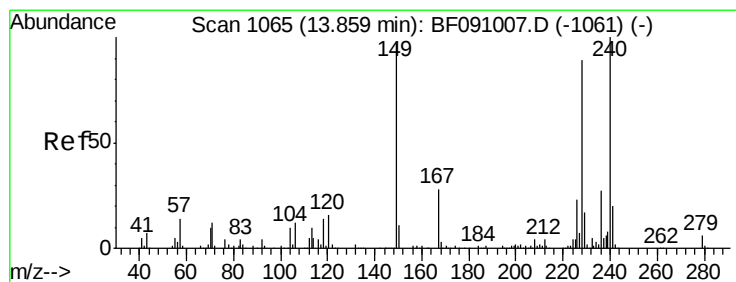
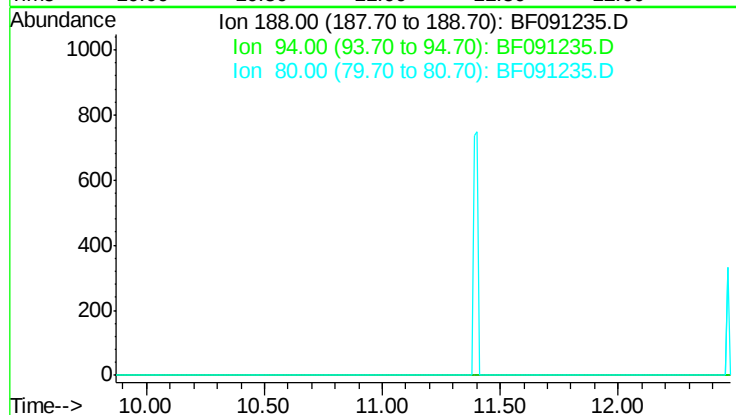




#63  
 Phenanthrene-d10  
 Concen: 0.00 ng  
 Expected RT: 11.17 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

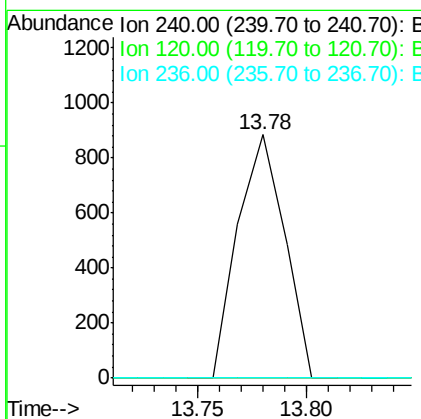
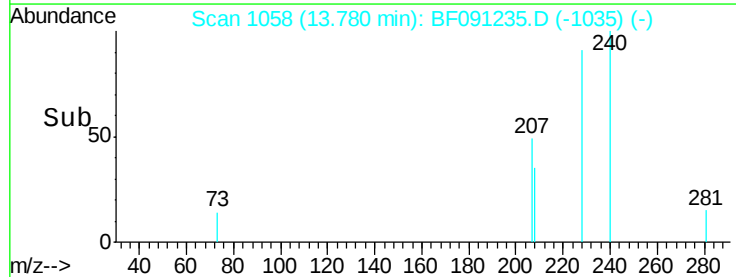
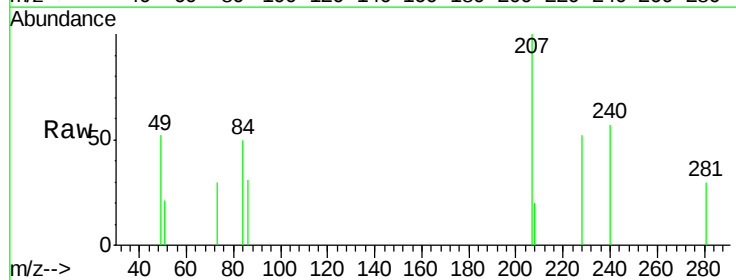
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

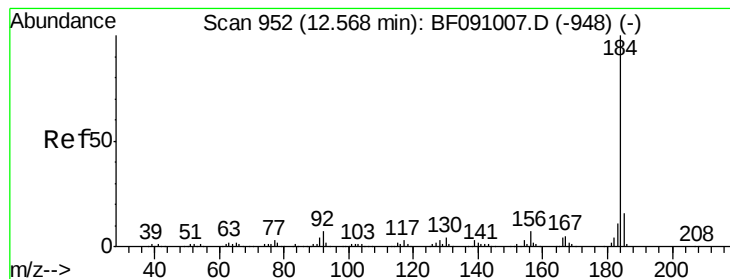
Tgt Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 8.7  
 80 9.4



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.78 min Scan# 1058  
 Delta R.T. -0.03 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

Tgt Ion: 240 Resp: 1324  
 Ion Ratio Lower Upper  
 240 100  
 120 0.0 12.9 19.3#  
 236 0.0 21.9 32.9#





#76

Benzidine

Concen: 7409.91 ng

RT: 12.47 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF091235.D

Acq: 18 Nov 2016 16:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

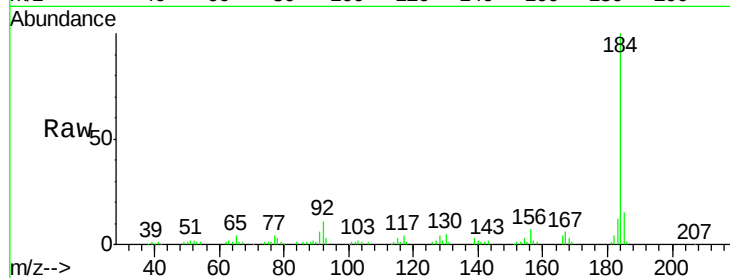
Tgt Ion:184 Resp: 219177

Ion Ratio Lower Upper

184 100

185 14.7 13.0 19.4

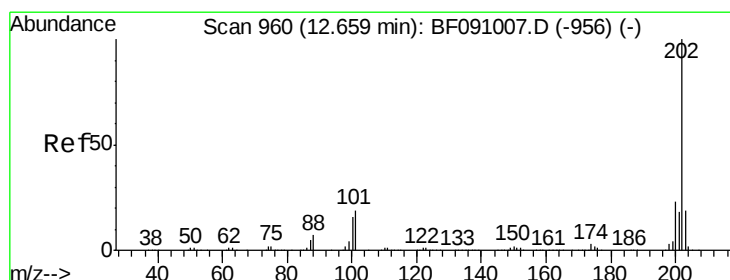
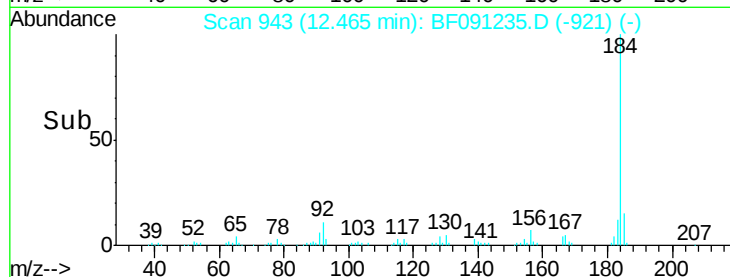
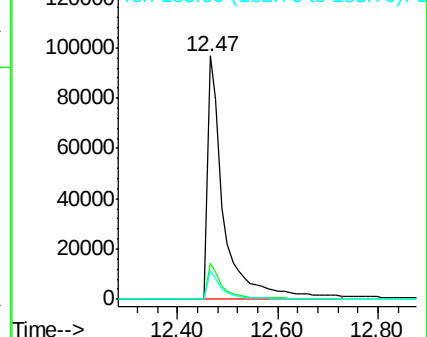
183 11.6 8.7 13.1



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: 20.49 ng

RT: 12.57 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF091235.D

Acq: 18 Nov 2016 16:13

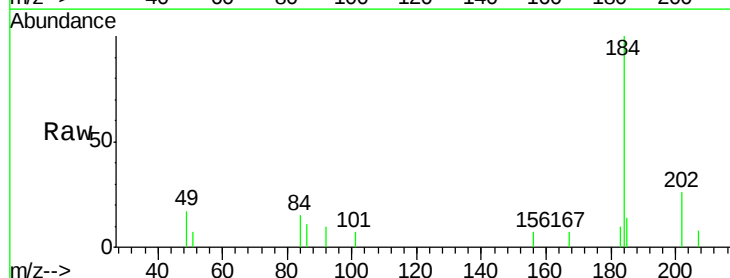
Tgt Ion:202 Resp: 1777

Ion Ratio Lower Upper

202 100

200 0.0 18.4 27.6#

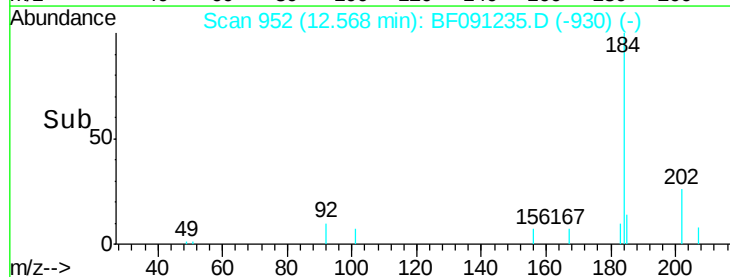
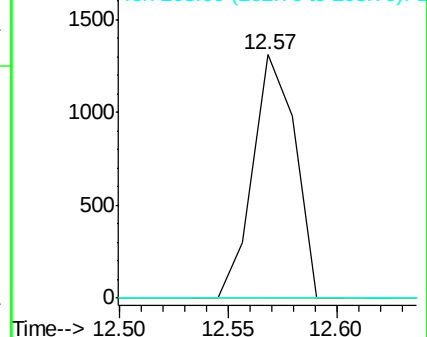
203 0.0 15.0 22.6#

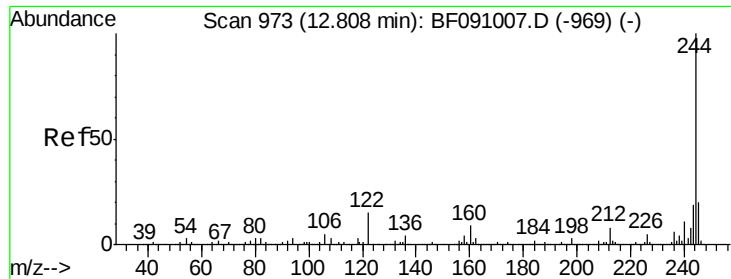


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

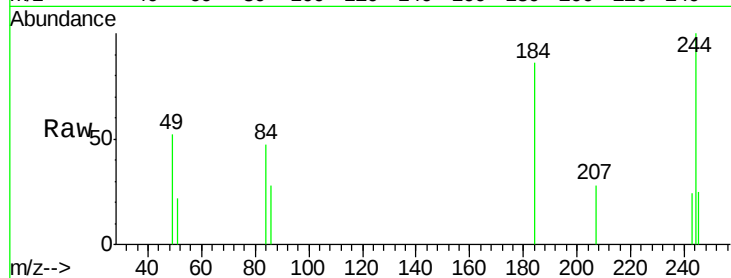




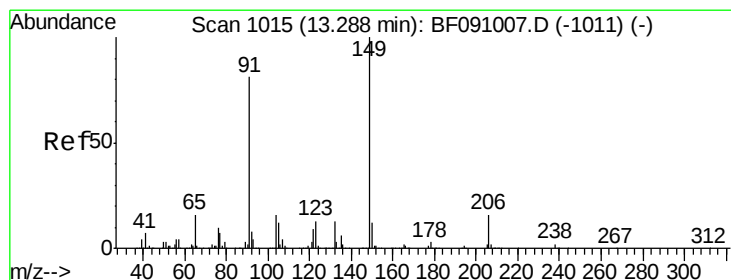
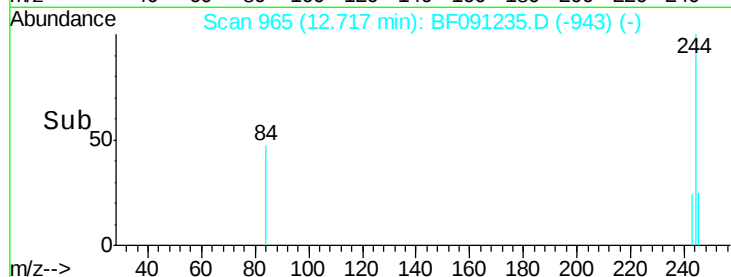
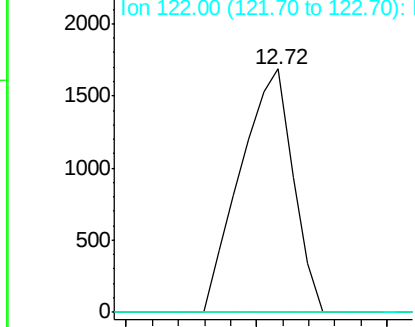
#78  
 Terphenyl-d14  
 Concen: 89.66 ng  
 RT: 12.72 min Scan# 965  
 Delta R.T. -0.05 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 244 Resp: 4757  
 Ion Ratio Lower Upper  
 244 100  
 212 0.0 6.4 9.6#  
 122 0.0 12.3 18.5#

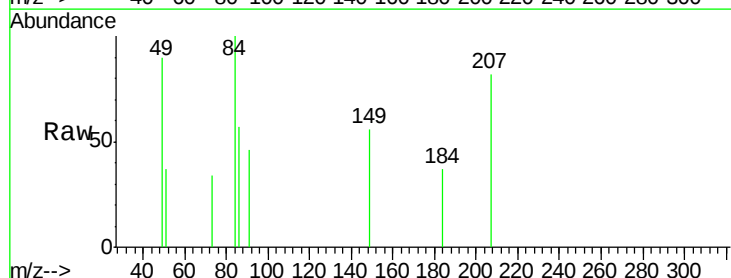


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

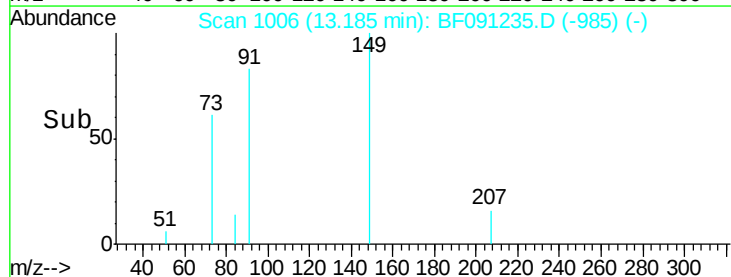
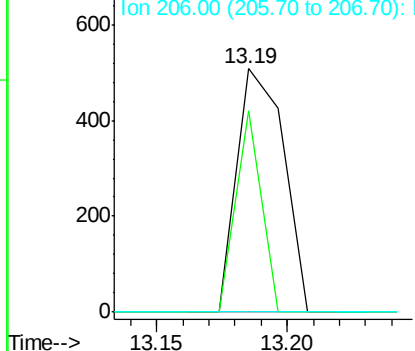


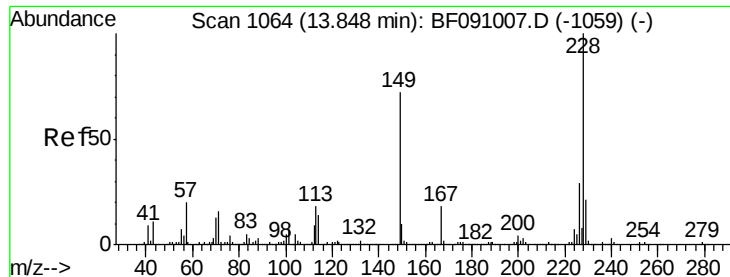
#79  
 Butylbenzylphthalate  
 Concen: 15.45 ng  
 RT: 13.19 min Scan# 1006  
 Delta R.T. -0.06 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

Tgt Ion: 149 Resp: 641  
 Ion Ratio Lower Upper  
 149 100  
 91 82.7 65.0 97.4  
 206 0.0 12.5 18.7#



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BF0  
 Ion 206.00 (205.70 to 206.70): E

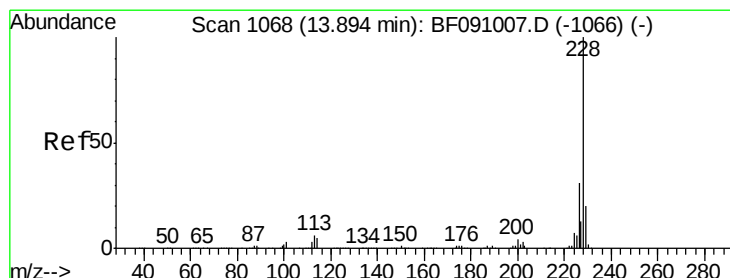
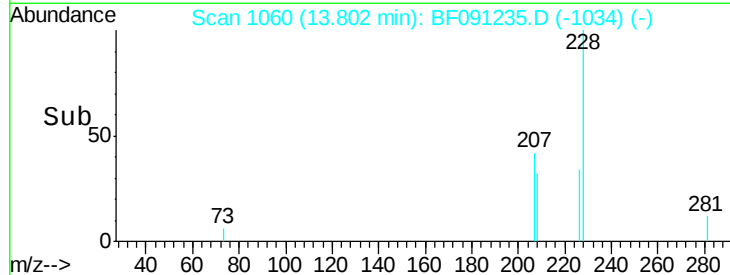
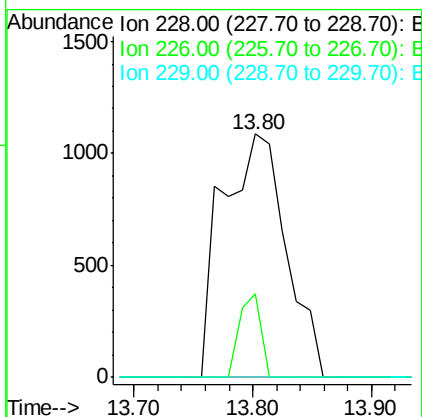
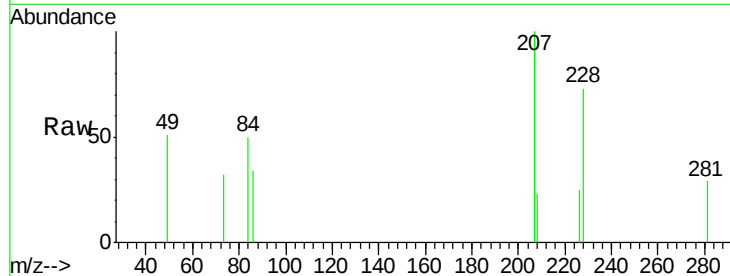




#80  
 Benzo(a)anthracene  
 Concen: 53.97 ng  
 RT: 13.80 min Scan# 1060  
 Delta R.T. 0.00 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

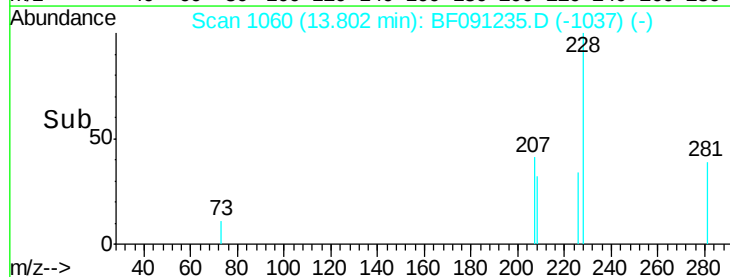
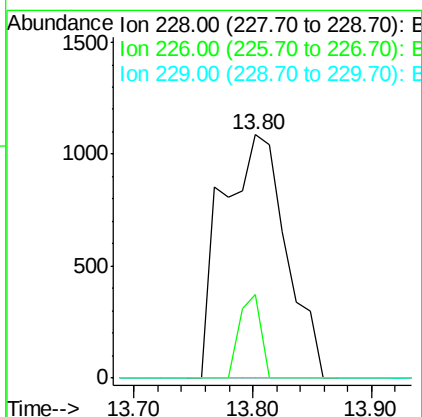
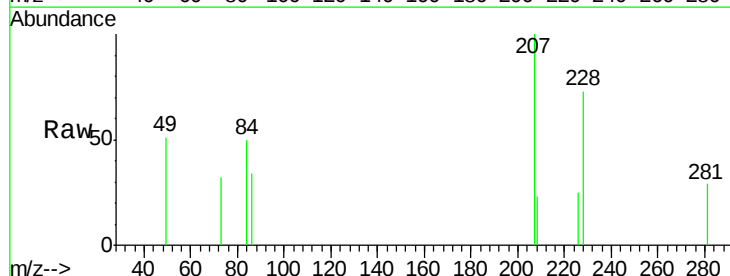
Instrument :  
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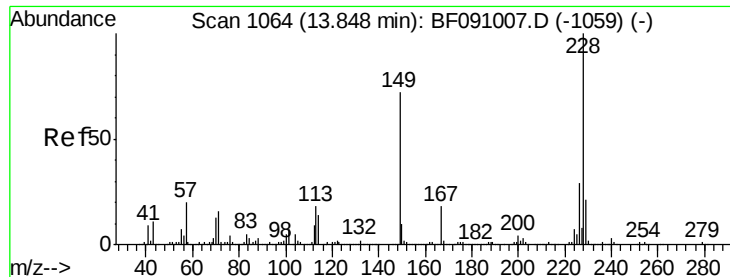
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 4057  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 34.3  | 23.0  | 34.6  |
| 229      | 0.0   | 16.6  | 24.8# |



#82  
 Chrysene  
 Concen: 54.73 ng  
 RT: 13.80 min Scan# 1060  
 Delta R.T. -0.03 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 4057  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 34.3  | 24.9  | 37.3  |
| 229      | 0.0   | 15.9  | 23.9# |





#83

Bis(2-ethylhexyl)phthalate

Concen: 24.44 ng

RT: 13.76 min Scan# 1056

Delta R.T. -0.05 min

Lab File: BF091235.D

Acq: 18 Nov 2016 16:13

Instrument :

BNA\_F

ClientSampleId :

DFTPP

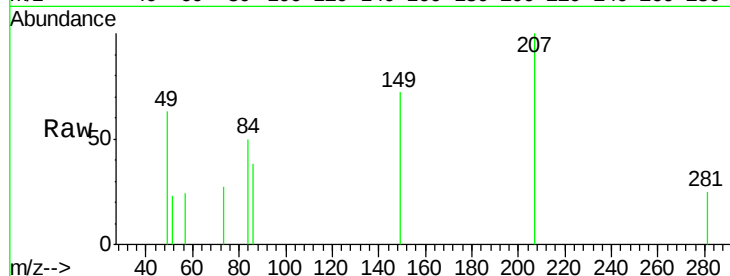
Tgt Ion:149 Resp: 1372

Ion Ratio Lower Upper

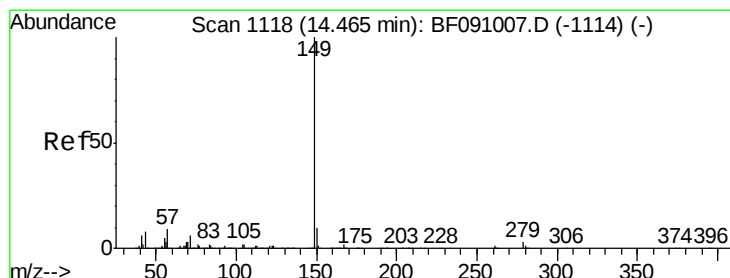
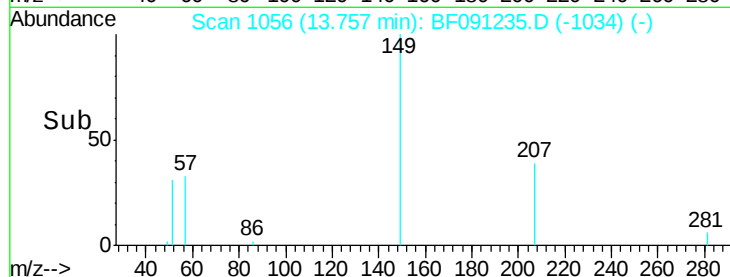
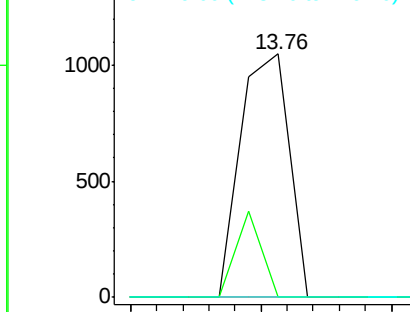
149 100

167 0.0 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: 14.10 ng

RT: 14.36 min Scan# 1109

Delta R.T. -0.06 min

Lab File: BF091235.D

Acq: 18 Nov 2016 16:13

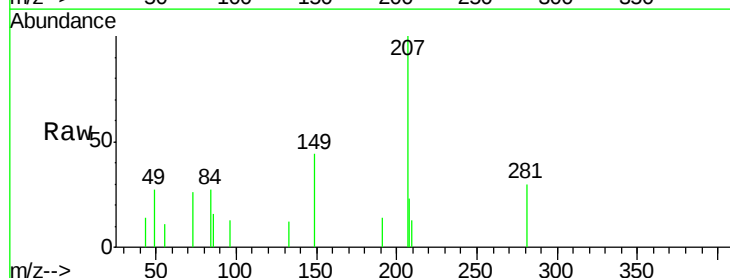
Tgt Ion:149 Resp: 1301

Ion Ratio Lower Upper

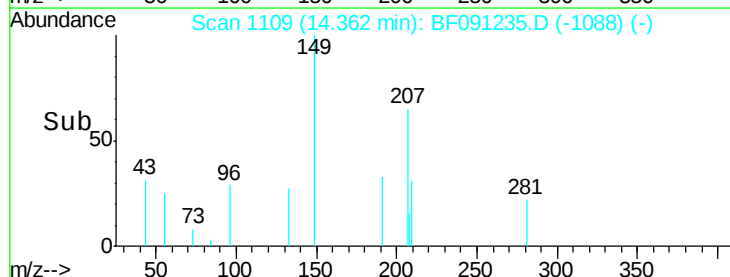
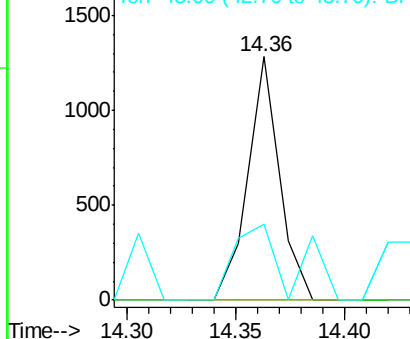
149 100

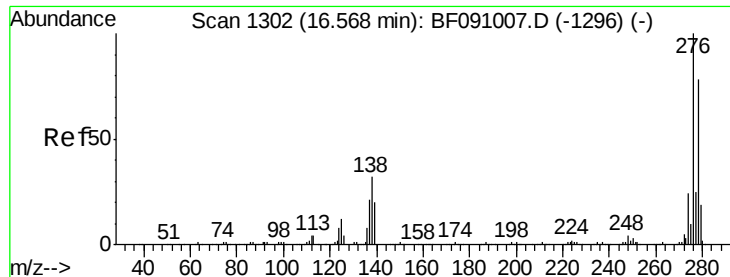
167 0.0 1.2 1.8#

43 56.1 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

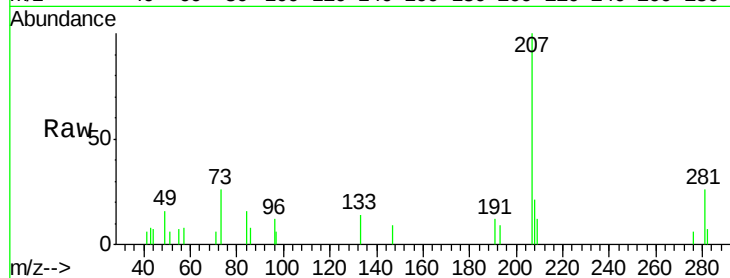




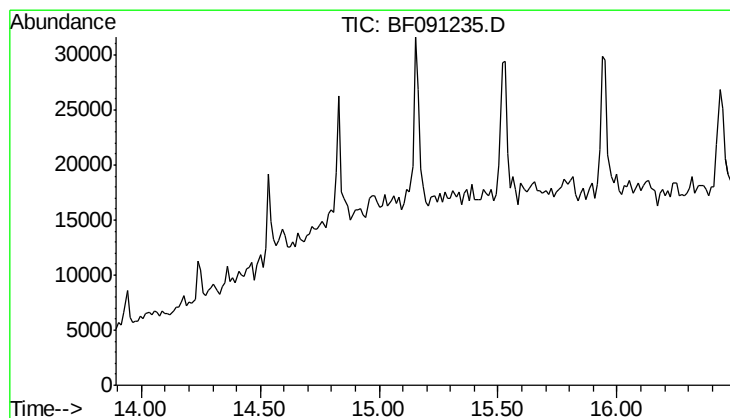
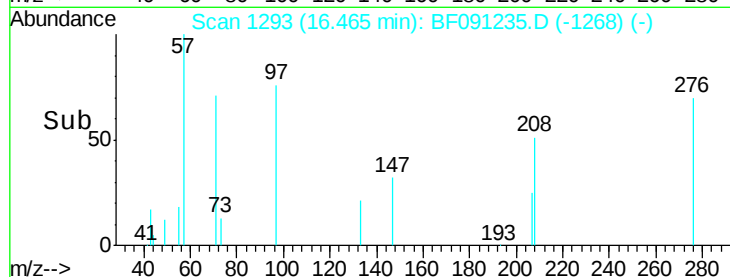
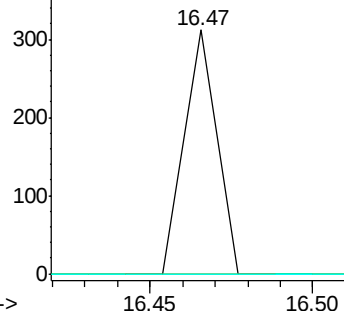
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.48 ng  
 RT: 16.47 min Scan# 1293  
 Delta R.T. -0.01 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 26.0  | 39.0# |
| 277     | 0.0   | 20.1  | 30.1# |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E



#86  
 Perylene-d12  
 Concen: 0.00 ng  
 Expected RT: 15.19 min  
 Lab File: BF091235.D  
 Acq: 18 Nov 2016 16:13

| Tgt Ion | Sig | Exp Ratio |
|---------|-----|-----------|
| 264     | 100 |           |
| 260     |     | 25.7      |
| 265     |     | 22.3      |

