

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070816\  
 Data File : BF088818.D  
 Acq On : 8 Jul 2016 11:37  
 Operator : UM/SJ  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Jul 08 18:53:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 05 17:15:08 2016  
 Response via : Initial Calibration

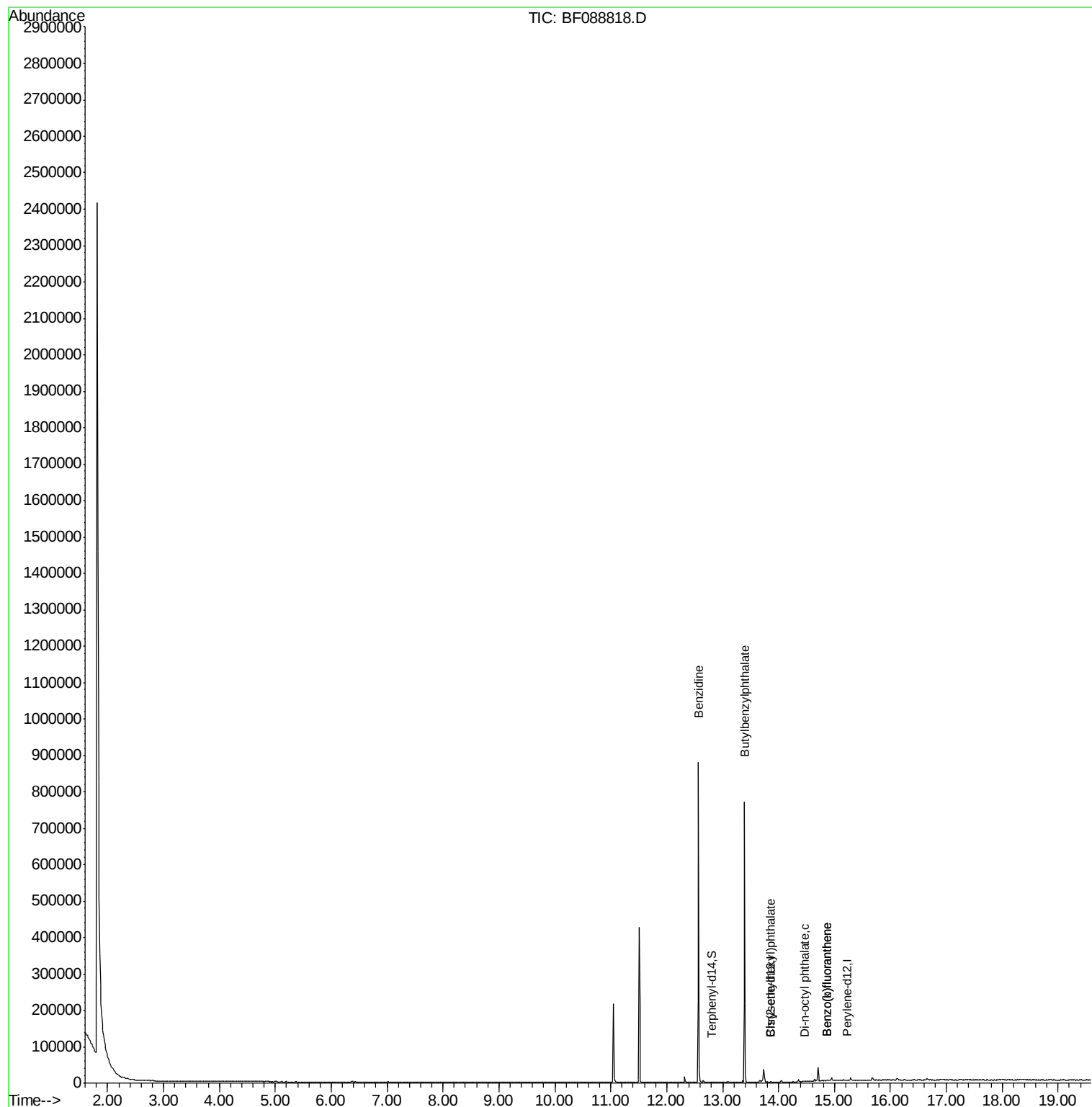
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|----------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00     | ng    | -6.78     |
| 21) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00     | ng    | -8.07     |
| 38) Acenaphthene-d10           | 0.00  | 164  | 0        | 0.00     | ng    | -9.82     |
| 63) Phenanthrene-d10           | 0.00  | 188  | 0        | 0.00     | ng    | -11.29    |
| 75) Chrysene-d12               | 13.86 | 240  | 493      | 20.00    | ng    | -0.06     |
| 86) Perylene-d12               | 15.23 | 264  | 237      | 20.00    | ng    | -0.07     |
| 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            | 0.00  | 82   | 0        | 0.00     | ng    |           |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00     | ng    |           |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 213      | 0.00     | ng    | -0.06     |
| 78) Terphenyl-d14              | 12.81 | 244  | 302      | 13.64    | ng    | -0.06     |
| Target Compounds               |       |      |          |          |       |           |
| 76) Benzidine                  | 12.57 | 184  | 313499   | 12580.80 | ng    | Qvalue 97 |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 2296     | 123.14   | ng    | # 1       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 498      | 23.39    | ng    | # 53      |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 501      | 13.85    | ng    | # 100     |
| 87) Benzo(b)fluoranthene       | 14.86 | 252  | 1501     | 100.96   | ng    | # 60      |
| 88) Benzo(k)fluoranthene       | 14.86 | 252  | 1501     | 115.97   | ng    | # 58      |

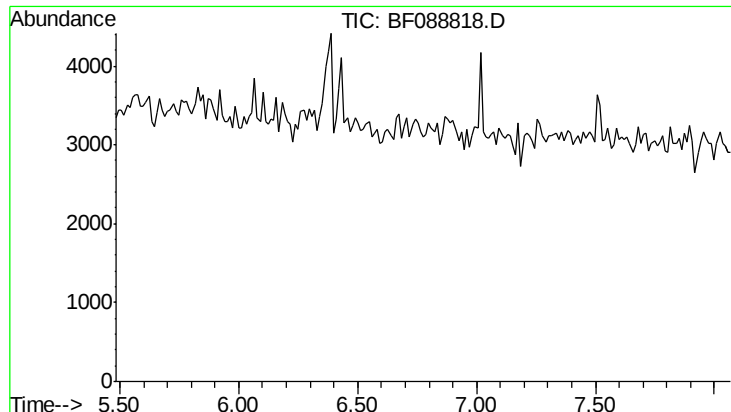
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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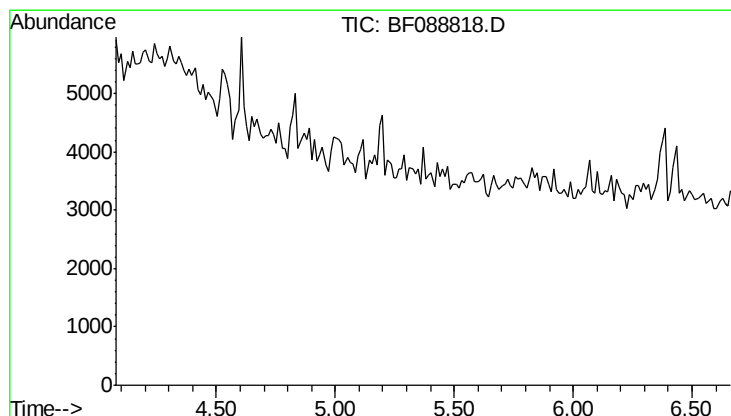
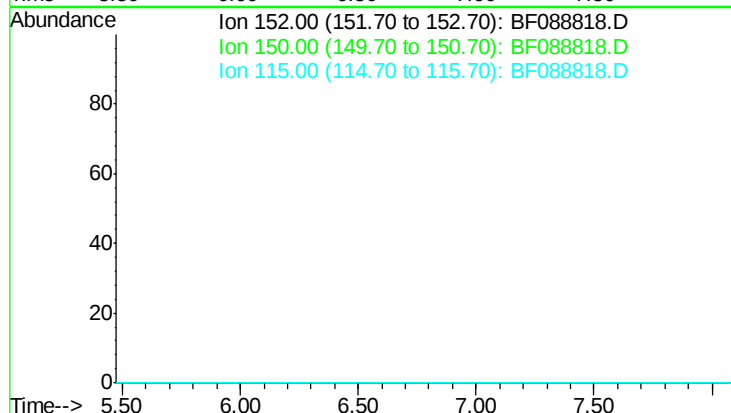




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 6.78 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

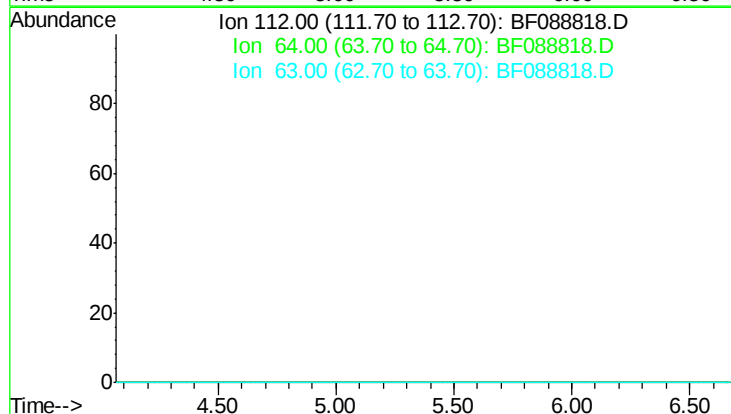
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

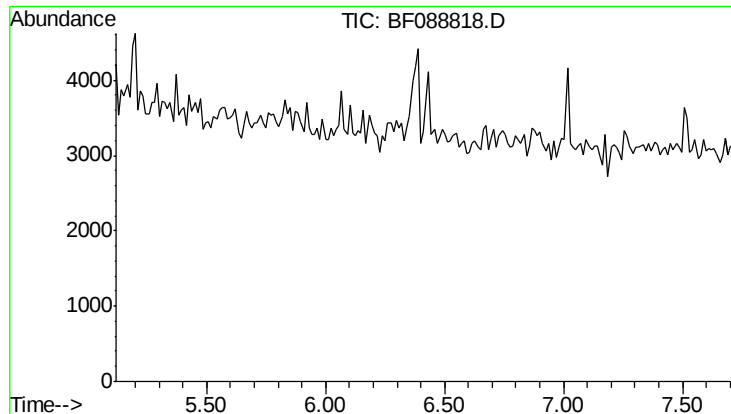
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 154.7  
 115 49.5



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.37 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 52.7  
 63 27.3





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.41 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

Instrument :

BNA\_F

ClientSampleId :

DFTPP

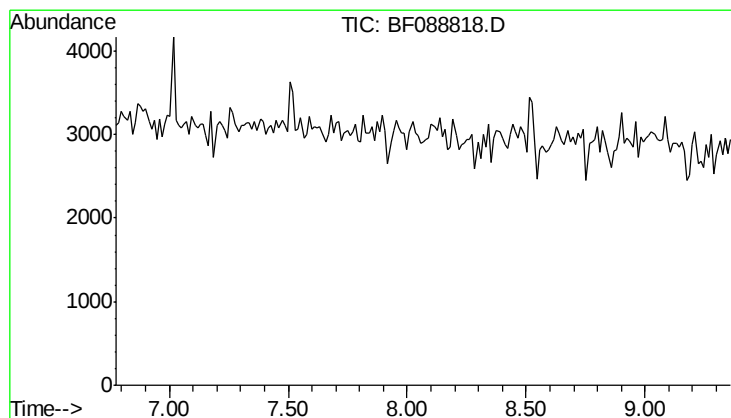
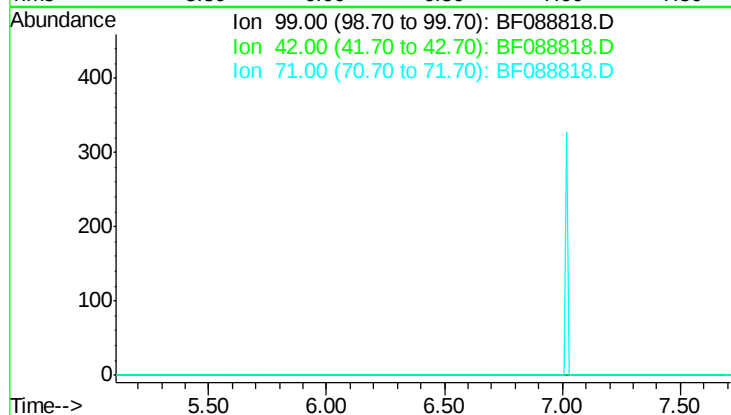
Tgt Ion: 99

| Sig | Exp Ratio |
|-----|-----------|
| 99  | 100       |
| 42  | 15.2      |
| 71  | 29.2      |

99 100

42 15.2

71 29.2



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 8.07 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

Tgt Ion: 136

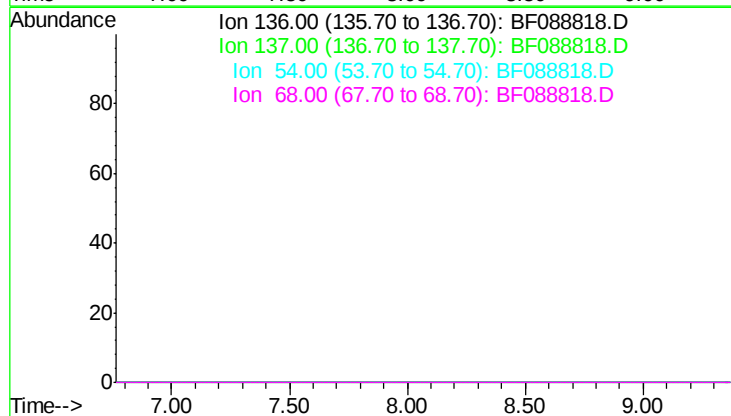
| Sig | Exp Ratio |
|-----|-----------|
| 136 | 100       |
| 137 | 11.4      |
| 54  | 8.3       |
| 68  | 6.4       |

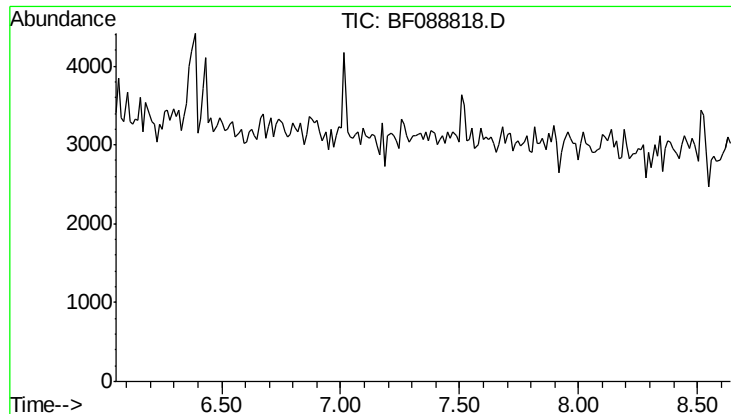
136 100

137 11.4

54 8.3

68 6.4

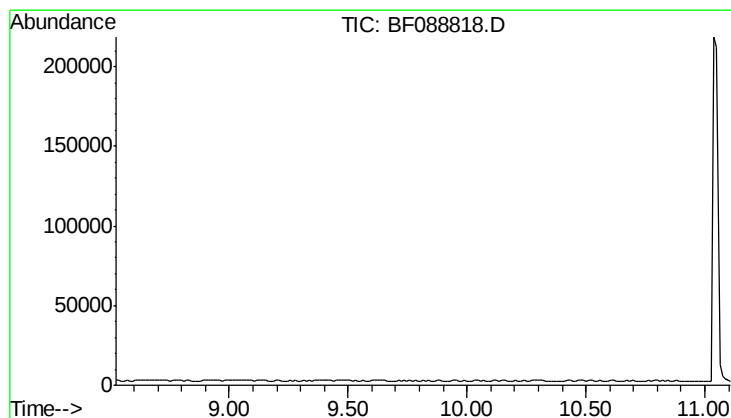
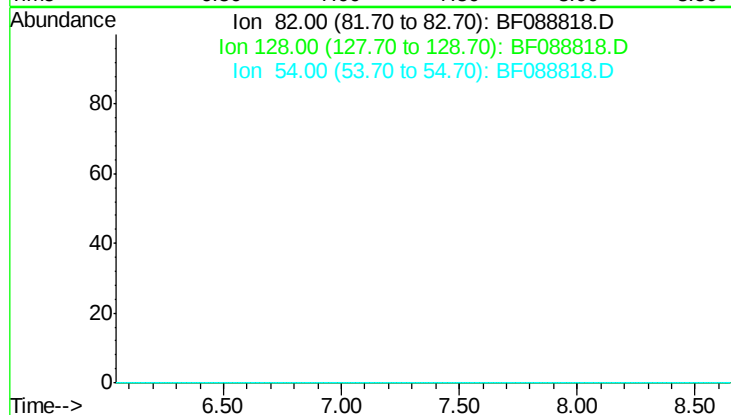




#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 Expected RT: 7.35 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

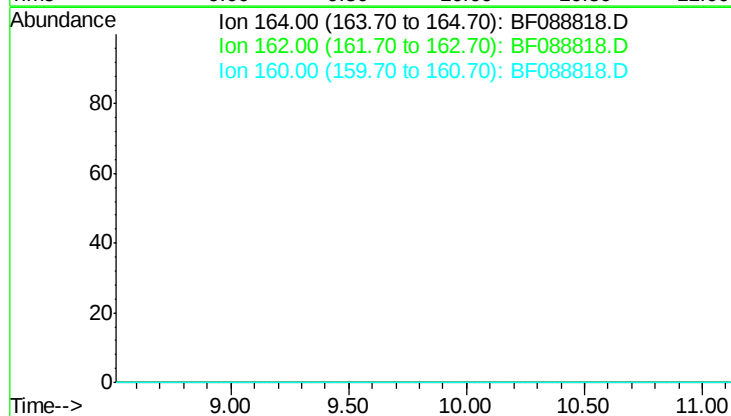
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

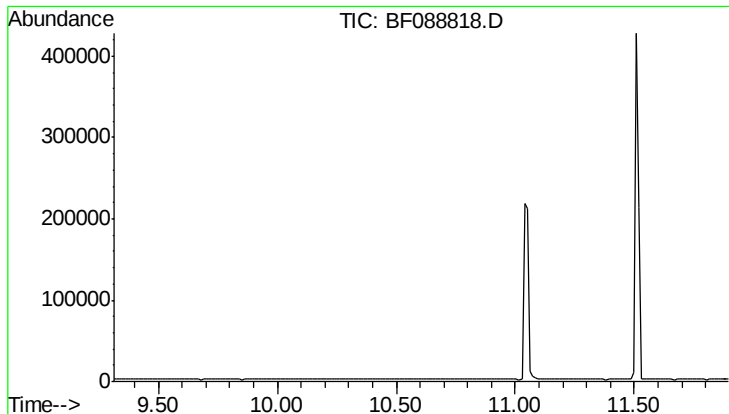
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 82      | 100       |
| 128     | 44.9      |
| 54      | 51.1      |



#38  
 Acenaphthene-d10  
 Concen: 0.00 ng  
 Expected RT: 9.82 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 164     | 100       |
| 162     | 106.8     |
| 160     | 49.4      |

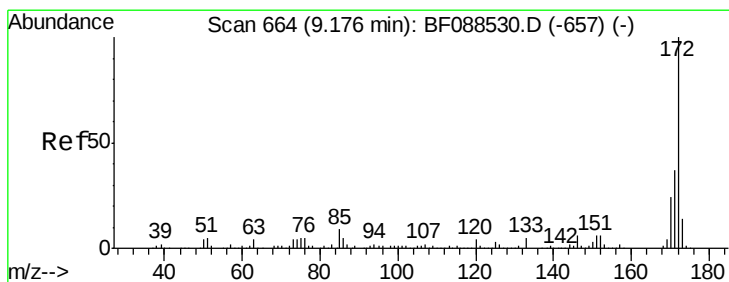
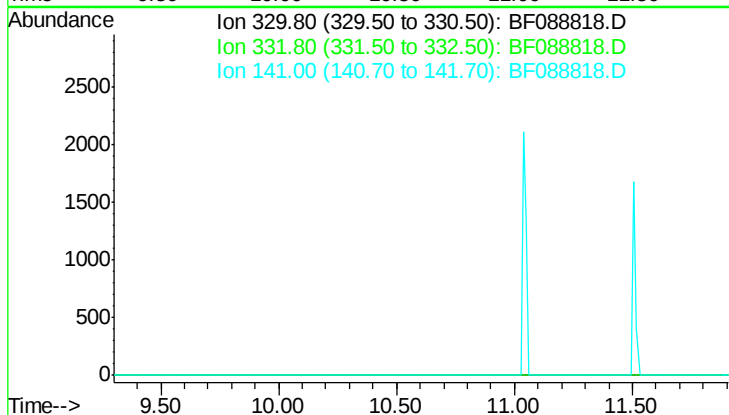




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.60 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

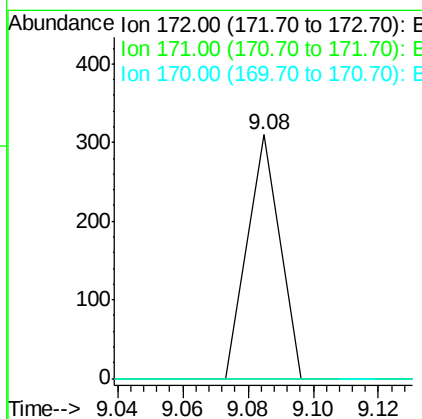
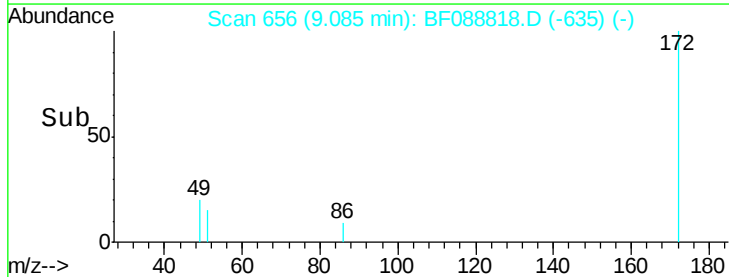
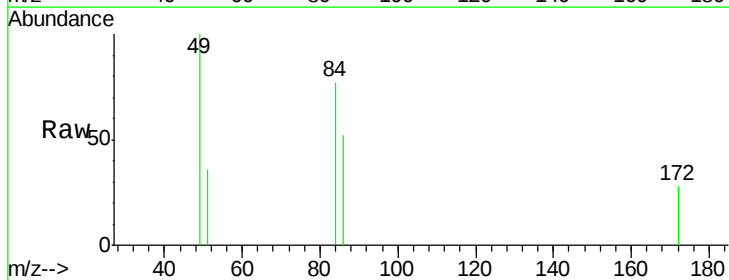
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

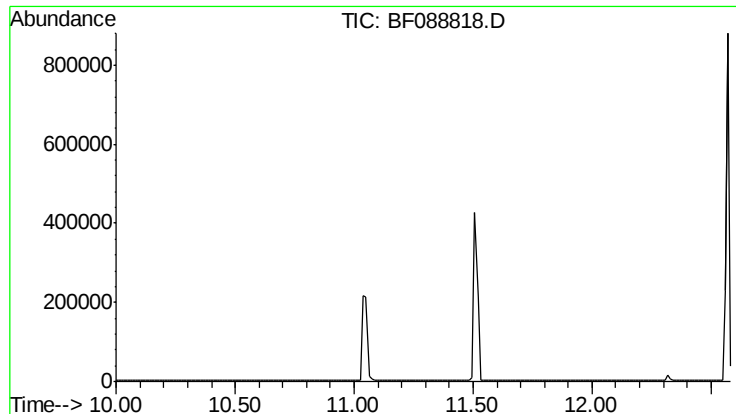
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 0.0  
 141 0.0



#44  
 2-Fluorobiphenyl  
 Concen: 0.00 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. -0.06 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

Tgt Ion: 172 Resp: 213  
 Ion Ratio Lower Upper  
 172 100  
 171 0.0 28.6 43.0#  
 170 0.0 19.2 28.8#



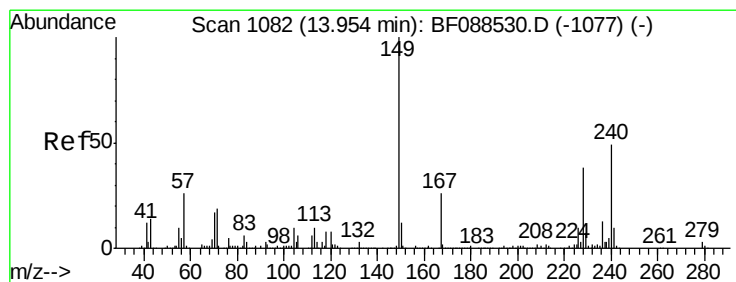
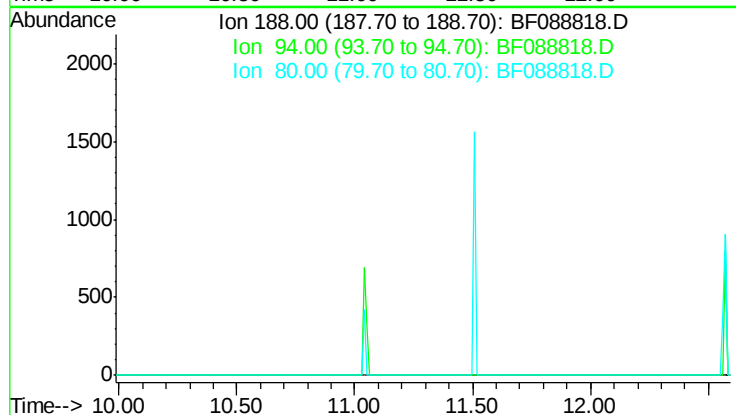


#63  
 Phenanthrene-d10  
 Concen: 0.00 ng  
 Expected RT: 11.29 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 188  

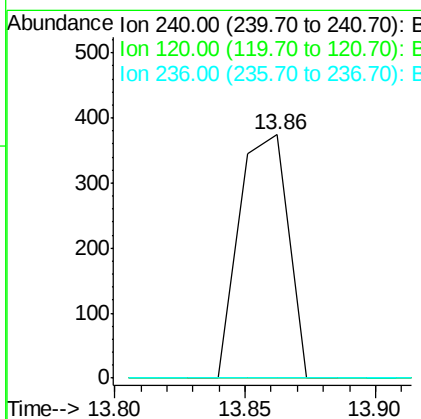
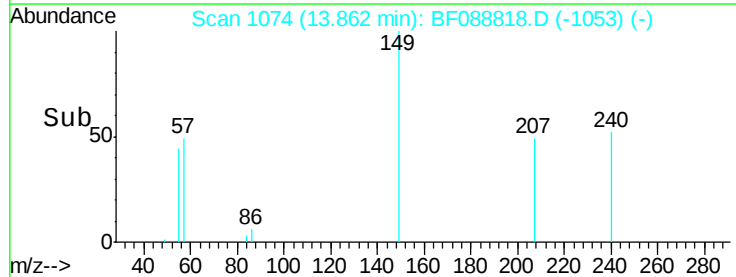
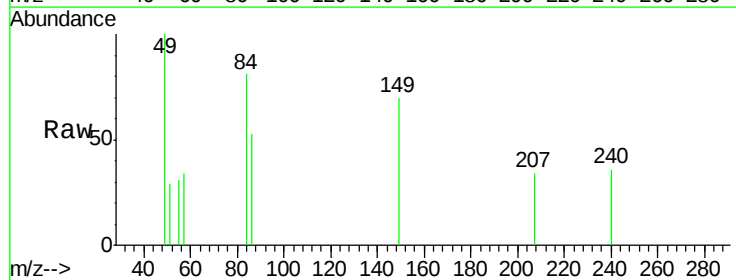
| Sig | Exp Ratio |
|-----|-----------|
| 188 | 100       |
| 94  | 11.3      |
| 80  | 12.5      |

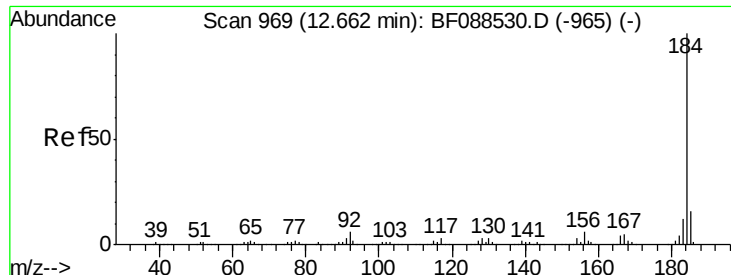


#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.86 min Scan# 1074  
 Delta R.T. -0.06 min  
 Lab File: BF088818.D  
 Acq: 8 Jul 2016 11:37

Tgt Ion: 240 Resp: 493  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 0.0   | 6.8   | 10.2# |
| 236 | 0.0   | 20.2  | 30.2# |

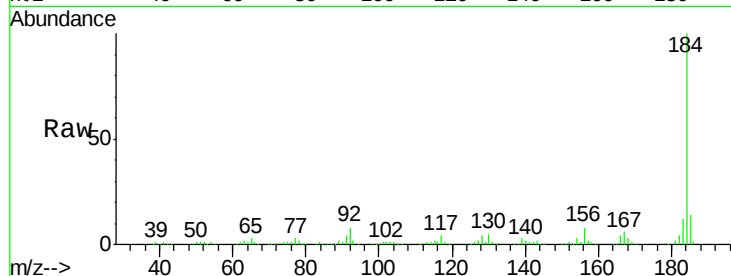




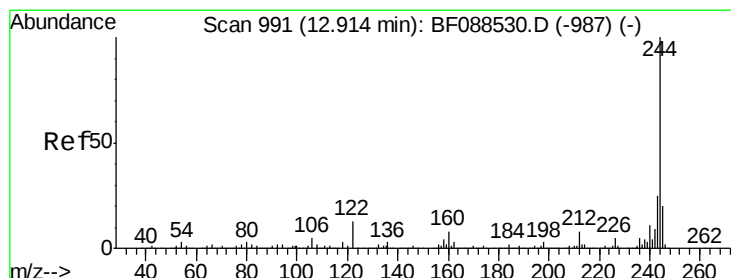
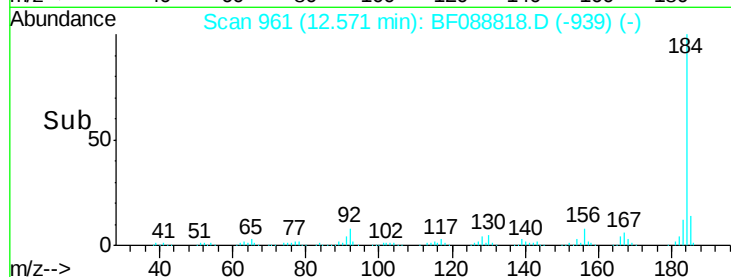
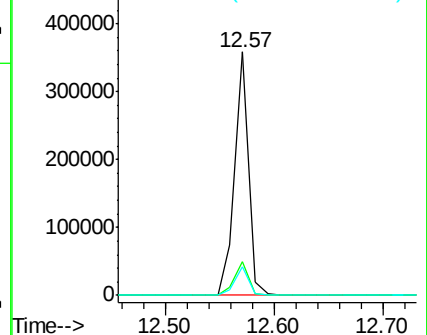
#76  
Benzidine  
Concen: 12580.80 ng  
RT: 12.57 min Scan# 961  
Delta R.T. -0.05 min  
Lab File: BF088818.D  
Acq: 8 Jul 2016 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tgt Ion:184 Resp: 313499  
Ion Ratio Lower Upper  
184 100  
185 13.8 12.5 18.7  
183 12.0 9.3 13.9

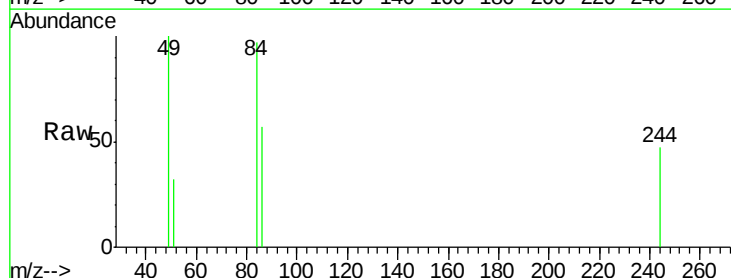


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

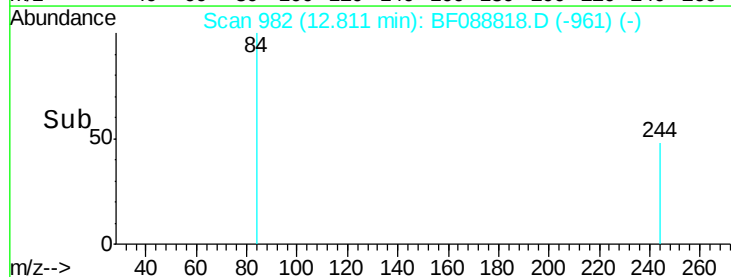
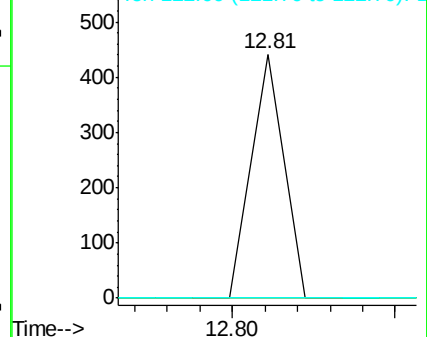


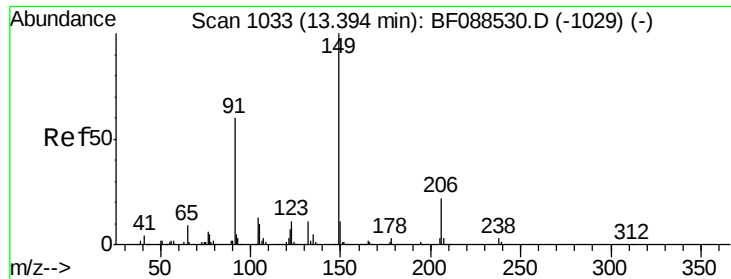
#78  
Terphenyl-d14  
Concen: 13.64 ng  
RT: 12.81 min Scan# 982  
Delta R.T. -0.06 min  
Lab File: BF088818.D  
Acq: 8 Jul 2016 11:37

Tgt Ion:244 Resp: 302  
Ion Ratio Lower Upper  
244 100  
212 0.0 6.0 9.0#  
122 0.0 11.2 16.8#



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

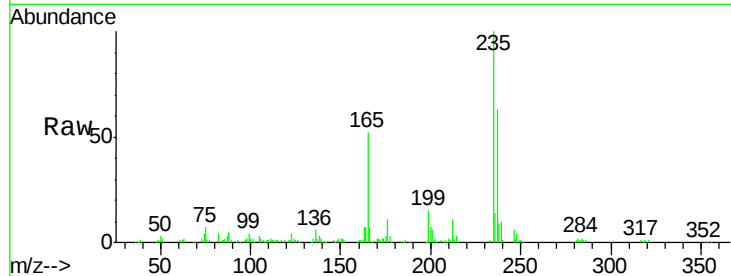




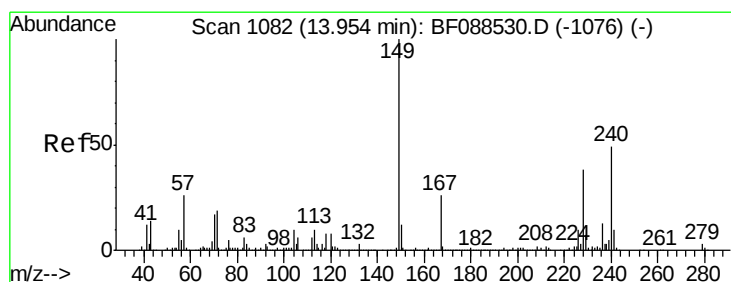
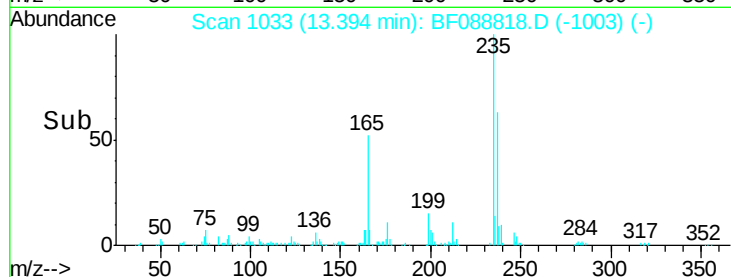
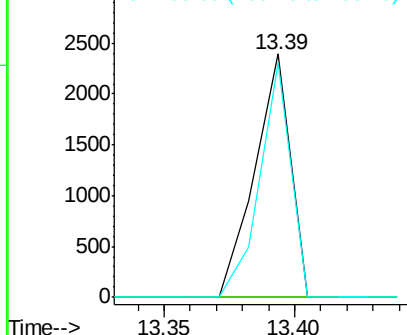
#79  
Butylbenzylphthalate  
Concen: 123.14 ng  
RT: 13.39 min Scan# 1033  
Delta R.T. 0.05 min  
Lab File: BF088818.D  
Acq: 8 Jul 2016 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tgt Ion:149 Resp: 2296  
Ion Ratio Lower Upper  
149 100  
91 0.0 48.0 72.0#  
206 96.5 16.0 24.0#

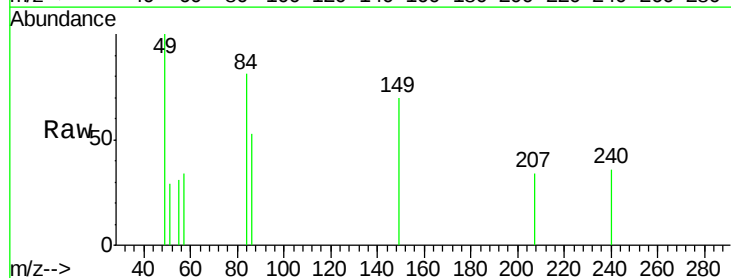


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

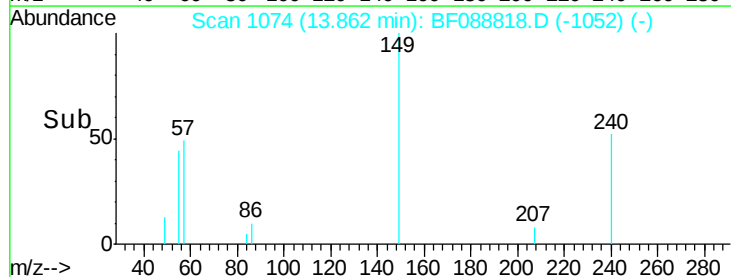
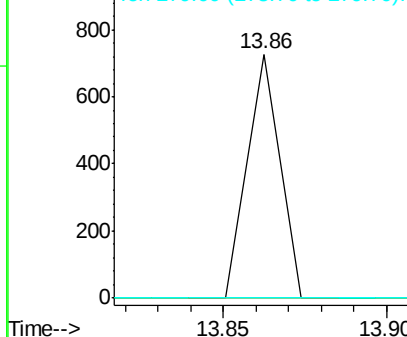


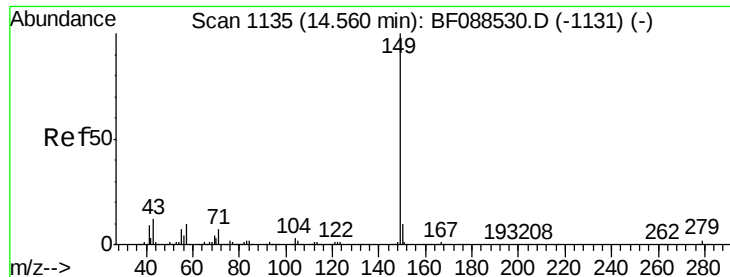
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 23.39 ng  
RT: 13.86 min Scan# 1074  
Delta R.T. -0.05 min  
Lab File: BF088818.D  
Acq: 8 Jul 2016 11:37

Tgt Ion:149 Resp: 498  
Ion Ratio Lower Upper  
149 100  
167 0.0 20.5 30.7#  
279 0.0 2.0 3.0#



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: 13.85 ng

RT: 14.47 min Scan# 1127

Delta R.T. -0.05 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

Instrument :

BNA\_F

ClientSampleId :

DFTPP

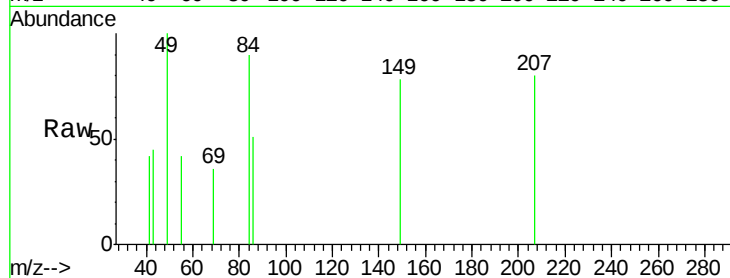
Tgt Ion:149 Resp: 501

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

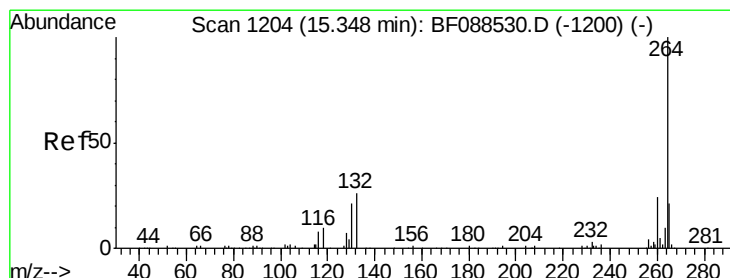
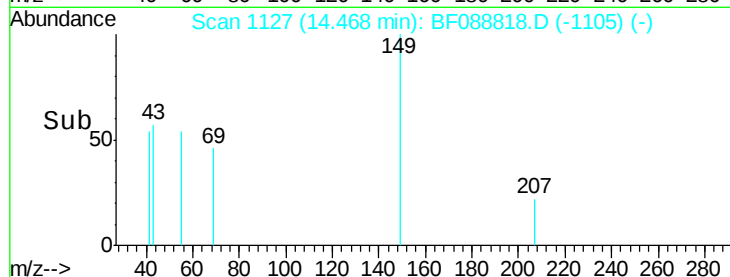
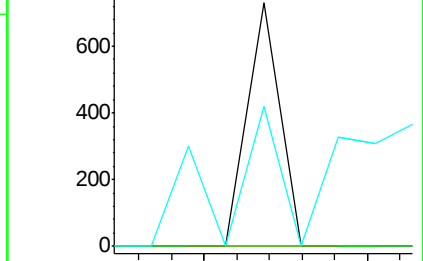
43 57.3 0.0 0.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.23 min Scan# 1194

Delta R.T. -0.07 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

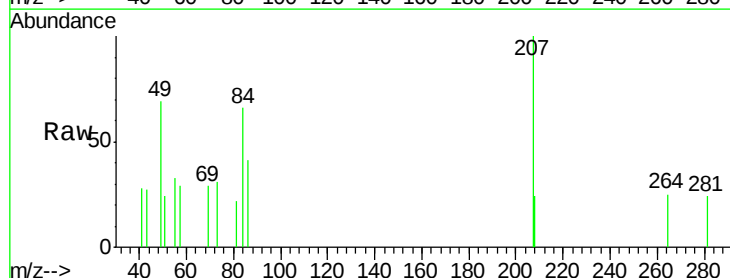
Tgt Ion:264 Resp: 237

Ion Ratio Lower Upper

264 100

260 0.0 19.2 28.8#

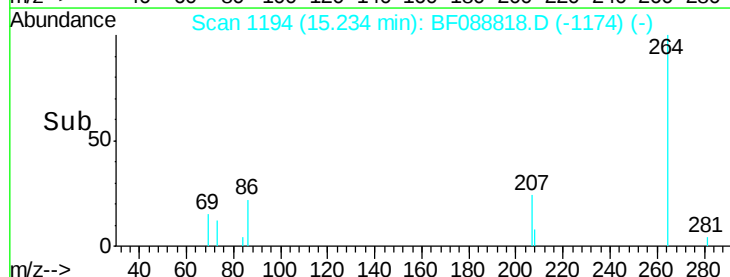
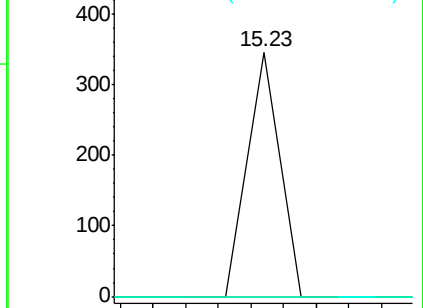
265 0.0 16.9 25.3#

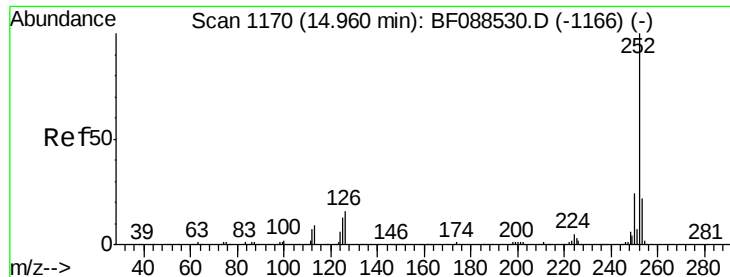


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 100.96 ng

RT: 14.86 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

Instrument :

BNA\_F

ClientSampleId :

DFTPP

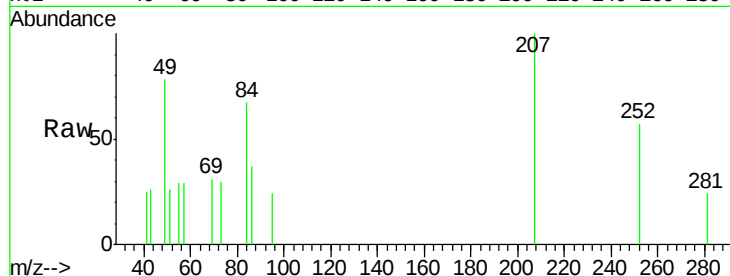
Tgt Ion:252 Resp: 1501

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

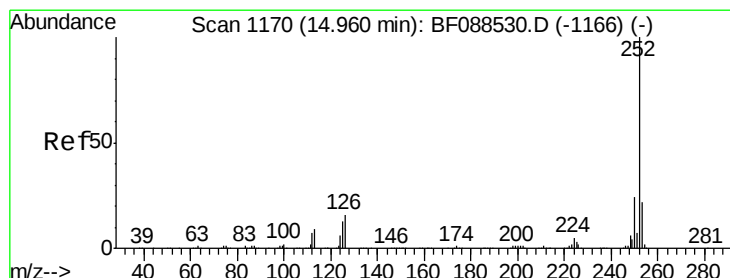
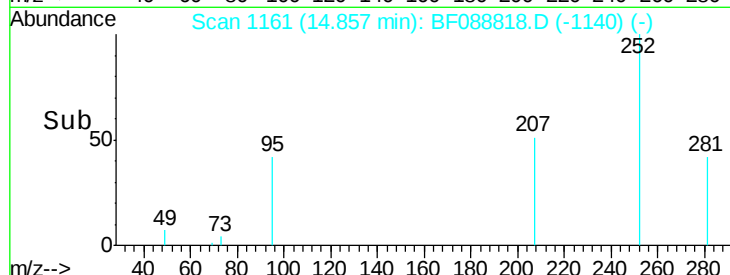
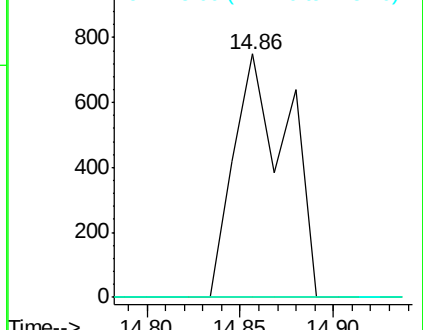
125 0.0 7.1 10.7#



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: 115.97 ng

RT: 14.86 min Scan# 1161

Delta R.T. -0.09 min

Lab File: BF088818.D

Acq: 8 Jul 2016 11:37

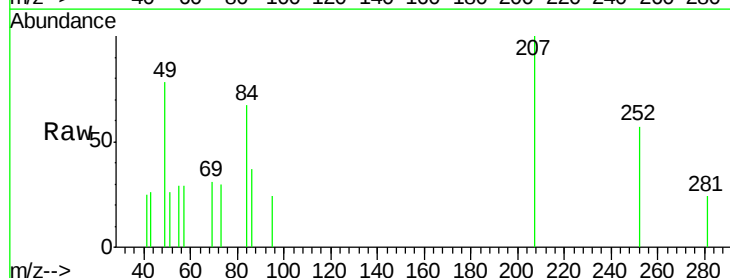
Tgt Ion:252 Resp: 1501

Ion Ratio Lower Upper

252 100

253 0.0 18.0 27.0#

125 0.0 11.2 16.8#



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

