

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\  
 Data File : BF102204.D  
 Acq On : 18 Jan 2018 21:00  
 Operator : SJ/JU  
 Sample : J1168-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 19 00:16:29 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 17 15:28:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 162033   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 655216   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.76  | 164  | 272499   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 398648   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 293609   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.29 | 264  | 255621   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.33  | 112  | 1041981  | 90.81 | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 1230891  | 89.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 760196   | 68.18 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 222037   | 93.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1297481  | 74.39 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 931376   | 65.86 | ng    | 0.00     |

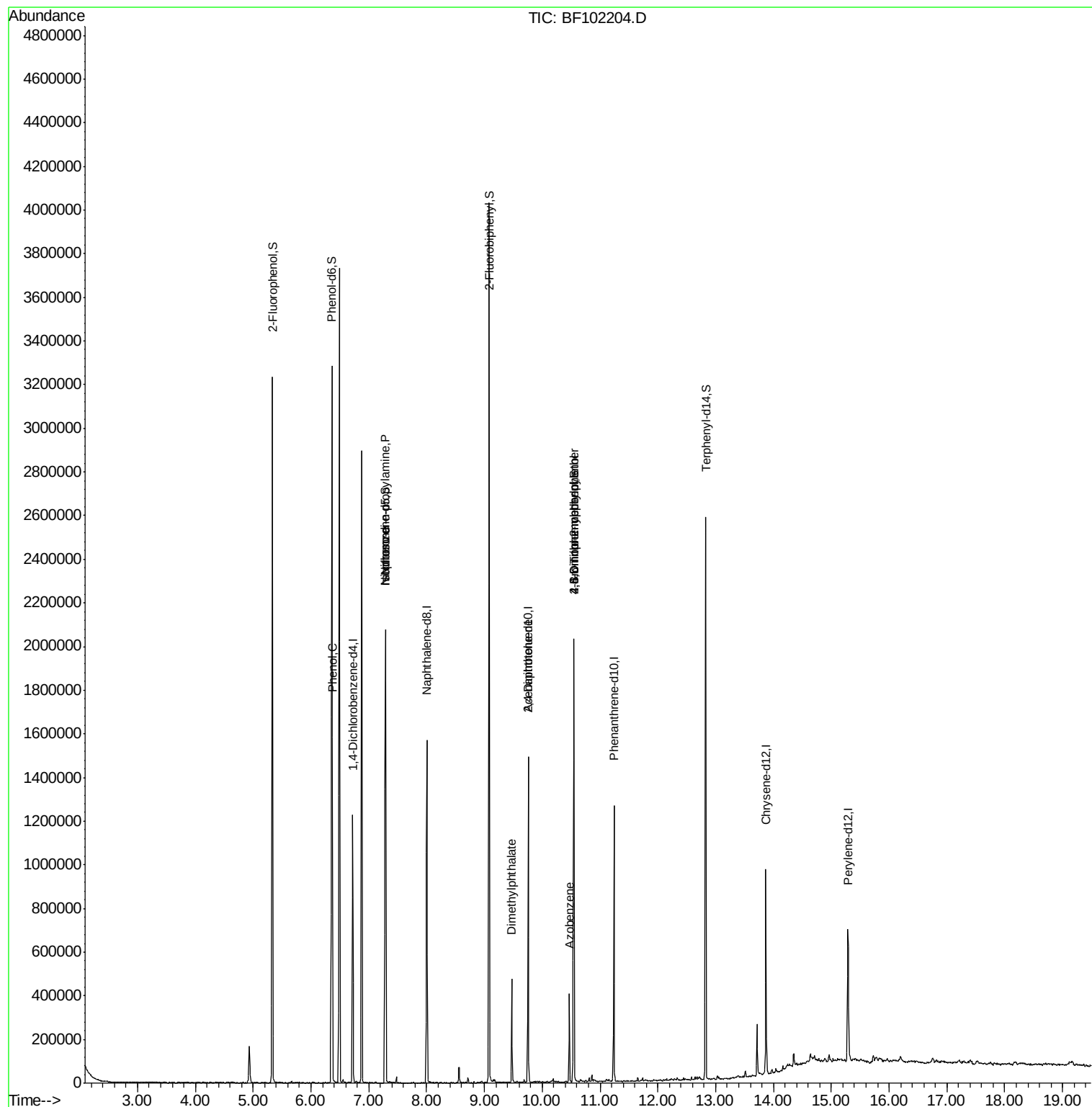
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.37  | 94   | 53898    | 3.484  | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 102142   | 11.385 | ng    | # 80   |
| 25) Isophorone                 | 7.29  | 82   | 753806   | 34.215 | ng    | # 64   |
| 49) Dimethylphthalate          | 9.47  | 163  | 170573   | 7.803  | ng    | 100    |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 33761    | 6.169  | ng    | # 23   |
| 62) Azobenzene                 | 10.47 | 77   | 65524    | 3.029  | ng    | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198  | 401      | 5.826  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 13833    | 3.286  | ng    | # 1    |

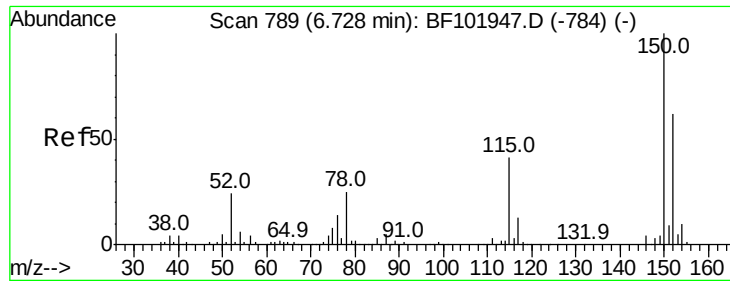
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\  
Data File : BF102204.D  
Acq On : 18 Jan 2018 21:00  
Operator : SJ/JU  
Sample : J1168-05  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 19 00:16:29 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 17 15:28:18 2018  
Response via : Initial Calibration



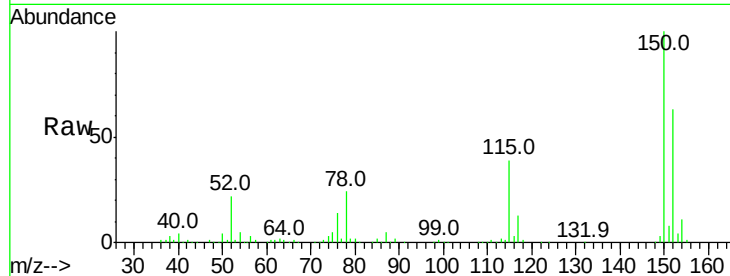


#1

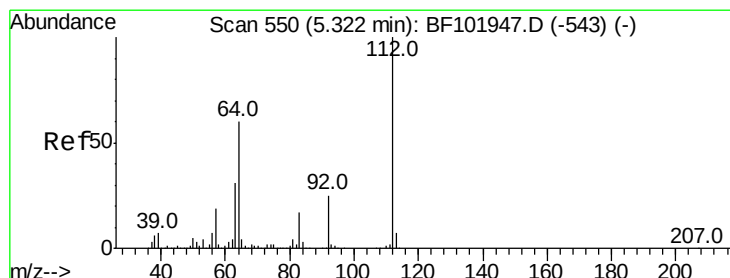
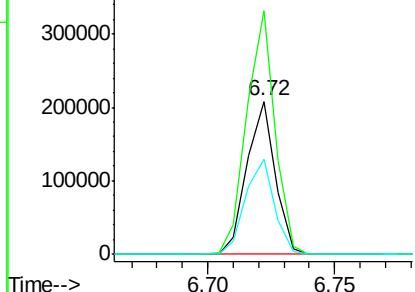
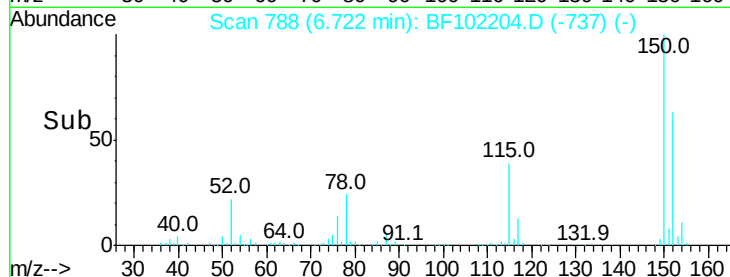
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 162033  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.6 186.8  
115 61.7 50.1 75.1



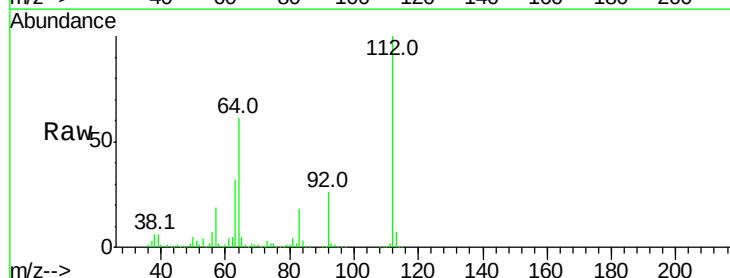
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



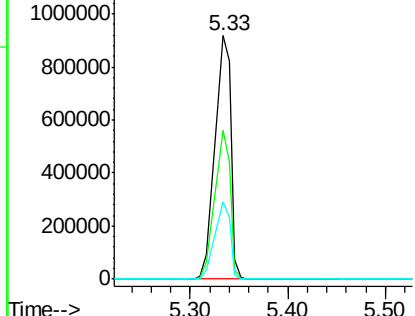
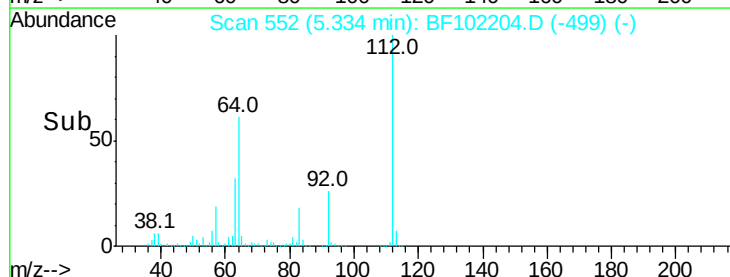
#5

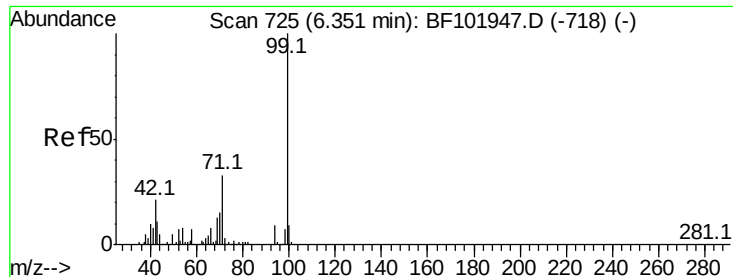
2-Fluorophenol  
Concen: 90.806 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Tgt Ion:112 Resp: 1041981  
Ion Ratio Lower Upper  
112 100  
64 61.1 47.9 71.9  
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.908 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102204.D

Acq: 18 Jan 2018 21:00

Instrument :

BNA\_F

ClientSampleId :

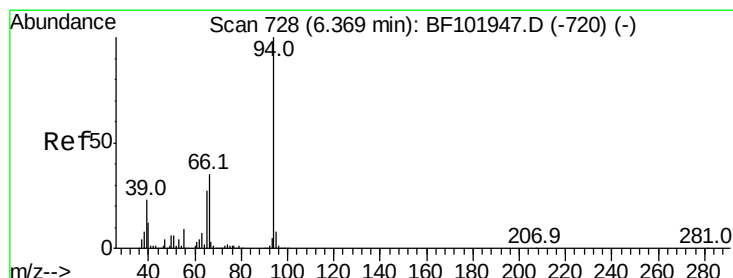
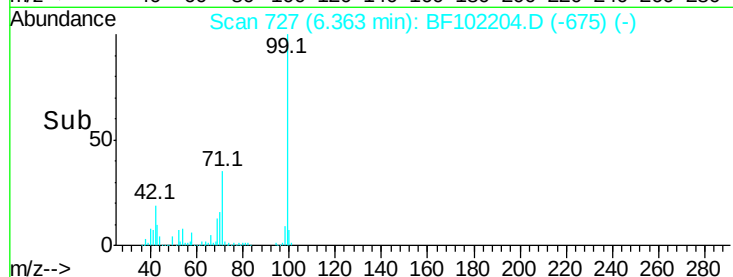
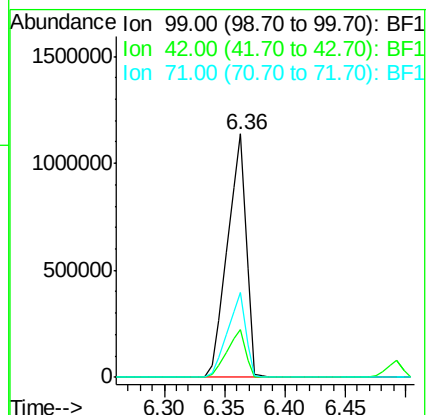
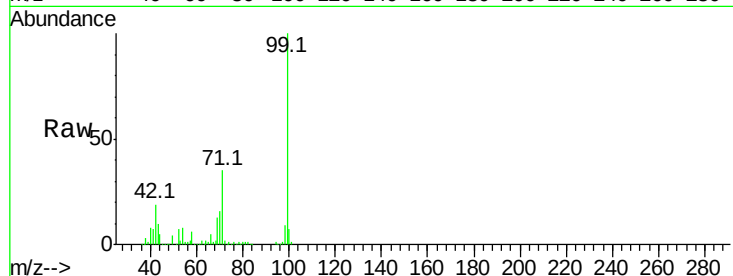
Tot Ion: 99 Resp: 1230891

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 34.9 25.4 38.0



#10

Phenol

Concen: 3.484 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102204.D

Acq: 18 Jan 2018 21:00

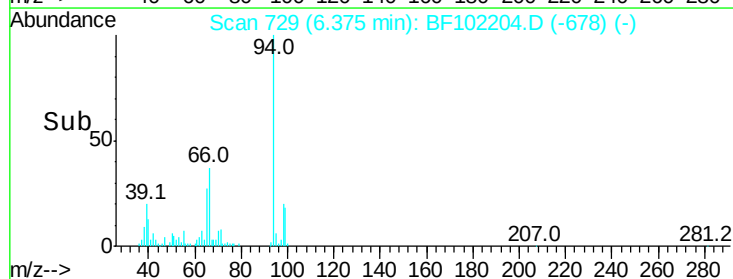
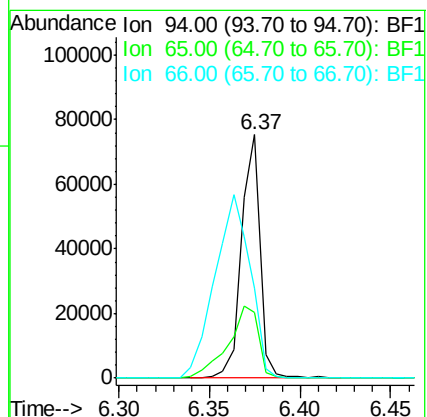
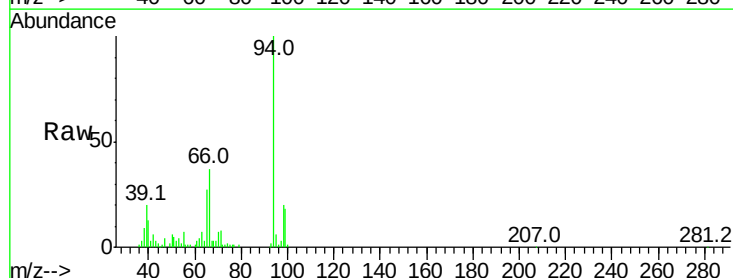
Tgt Ion: 94 Resp: 53898

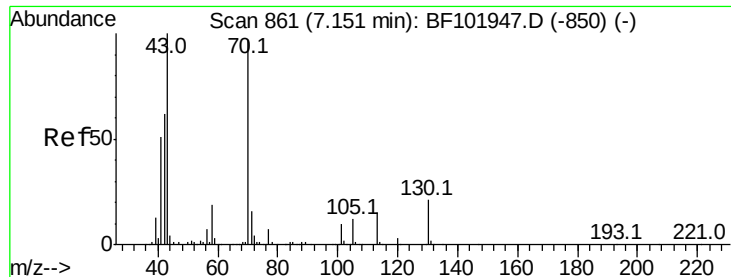
Ion Ratio Lower Upper

94 100

65 26.8 7.9 47.9

66 37.0 16.2 56.2

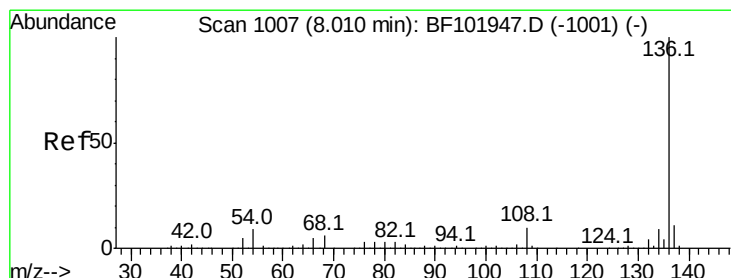
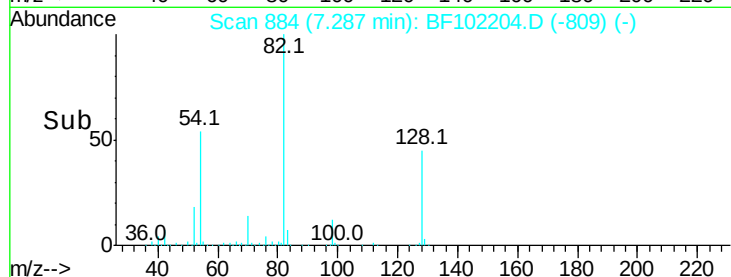
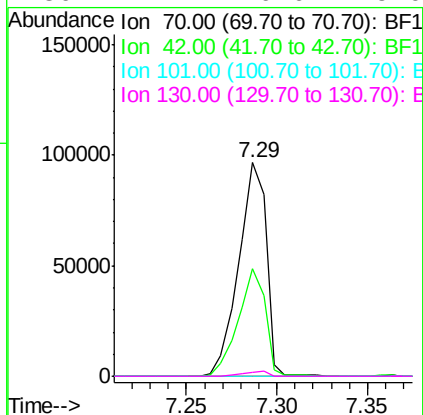
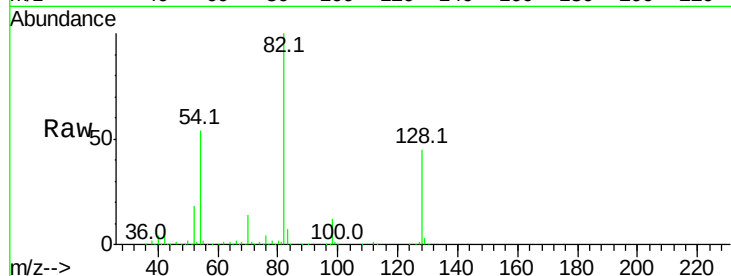




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.385 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.14 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

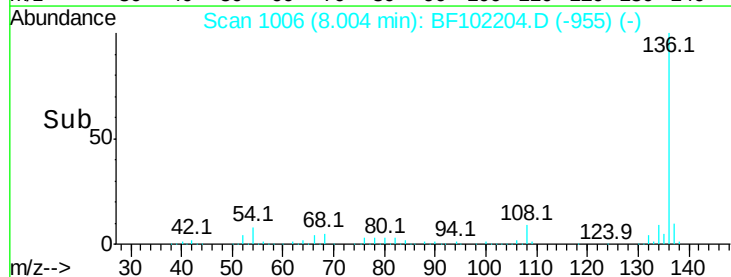
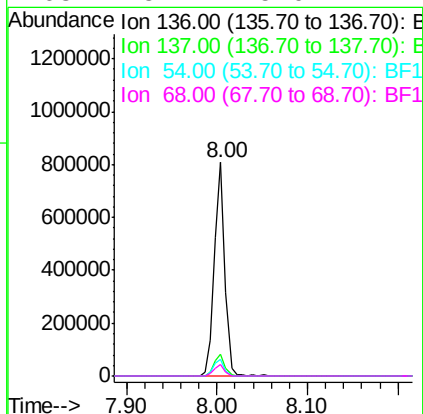
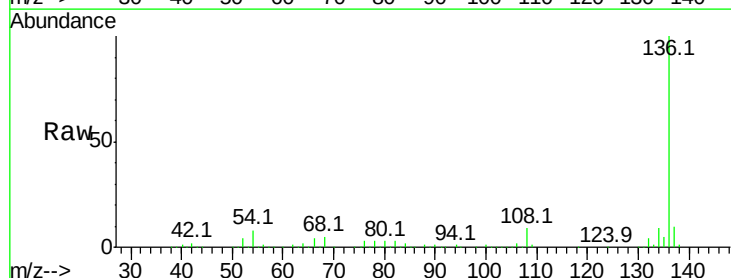
Instrument :  
BNA\_F  
ClientSampled :

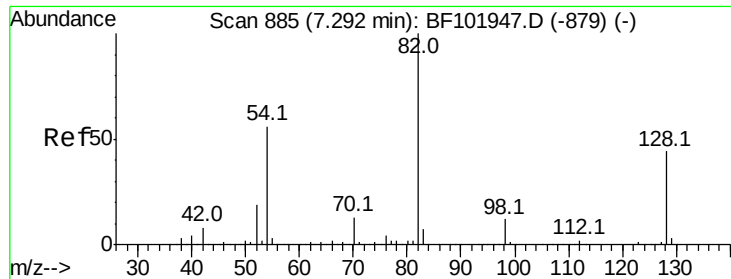
Tot Ion: 70 Resp: 102142  
Ion Ratio Lower Upper  
70 100  
42 50.4 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. 0.00 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Tgt Ion:136 Resp: 655216  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.9 13.3  
54 7.7 6.6 9.8  
68 5.4 5.0 7.4

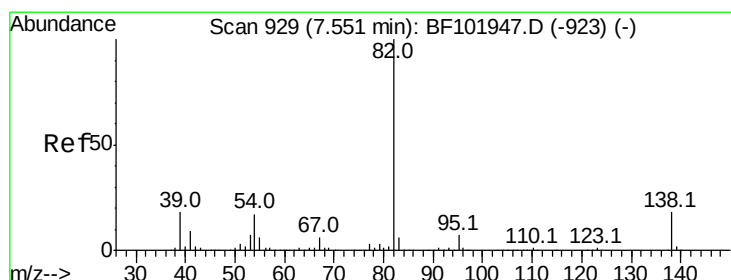
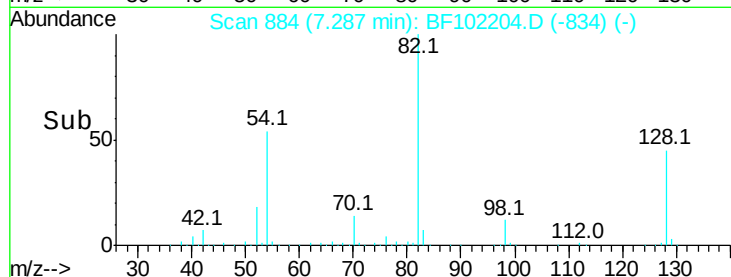
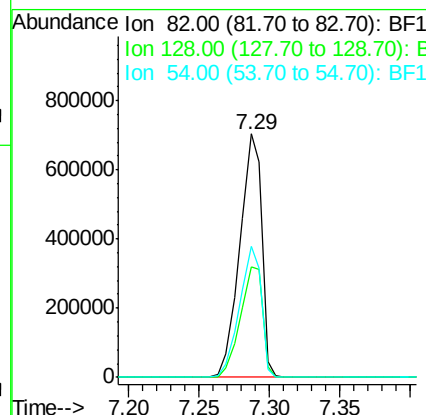
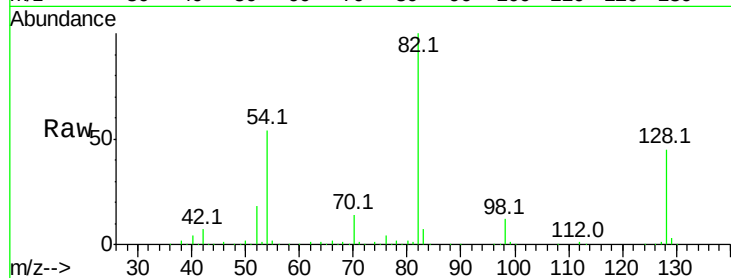




#23  
 Nitrobenzene-d5  
 Concen: 68.179 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

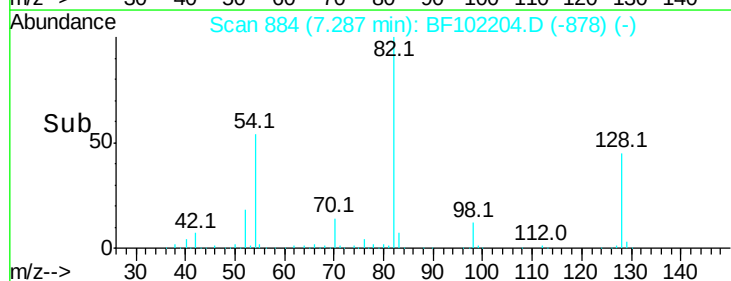
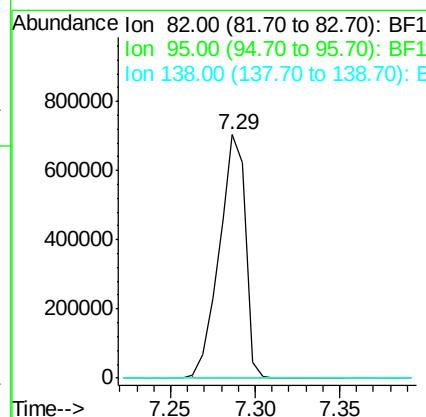
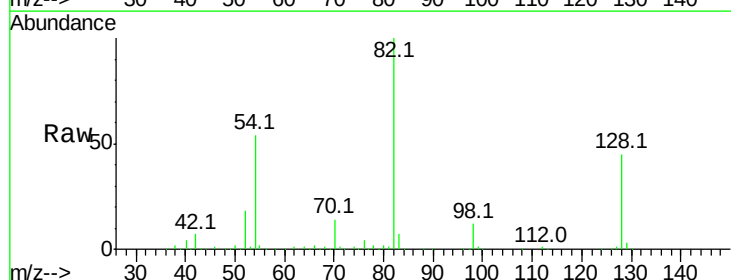
Instrument :  
 BNA\_F  
 ClientSampleId :

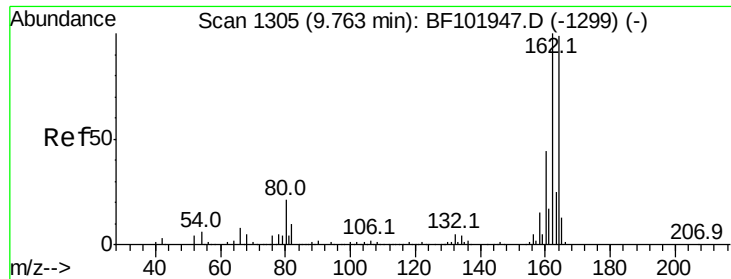
| Tot Ion   | 82   | Resp  | 760196 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.5 | 36.1  | 54.1   |
| 54        | 53.5 | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 34.215 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.26 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

| Tgt Ion   | 82  | Resp  | 753806 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 5.2   | 7.8#   |
| 138       | 0.0 | 14.9  | 22.3#  |

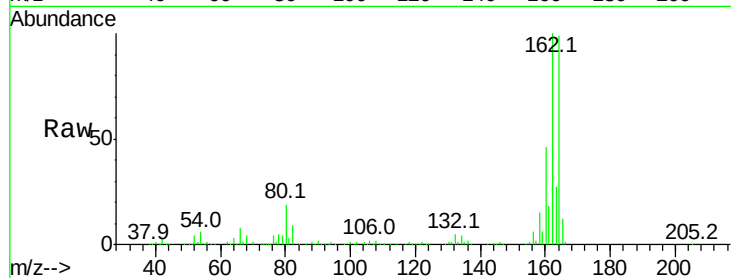




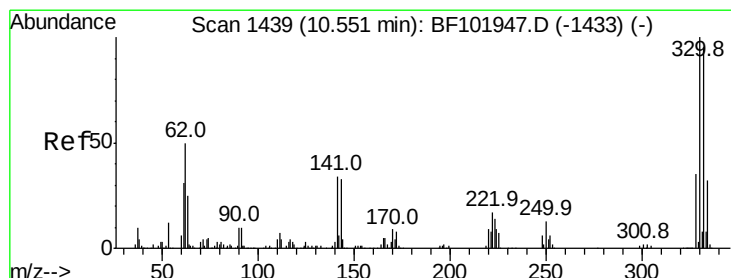
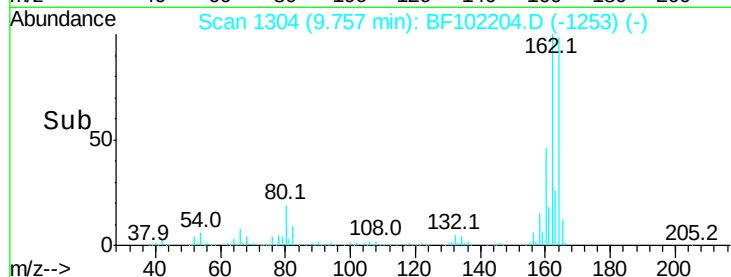
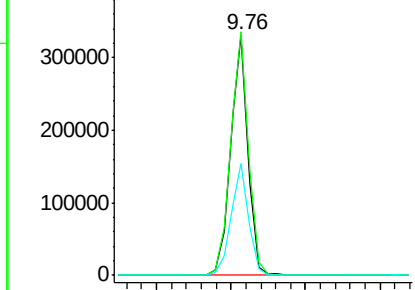
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. 0.00 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 272499  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 86.1 129.1  
 160 46.7 38.3 57.5

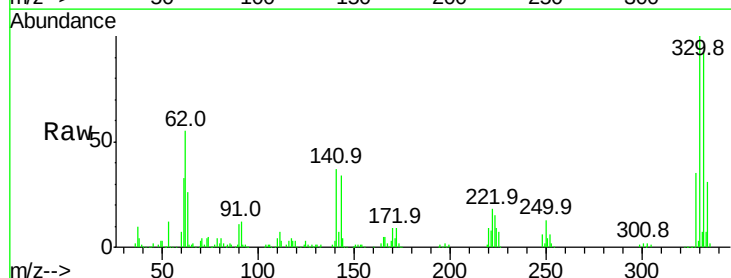


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

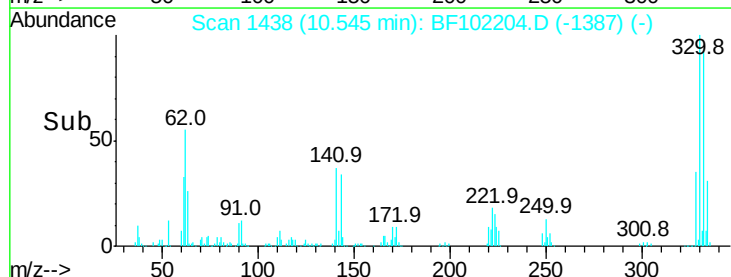
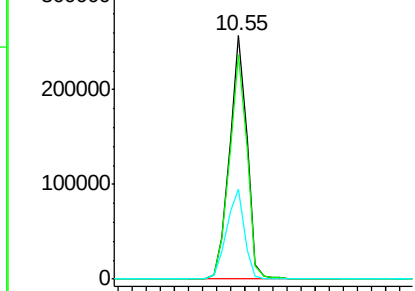


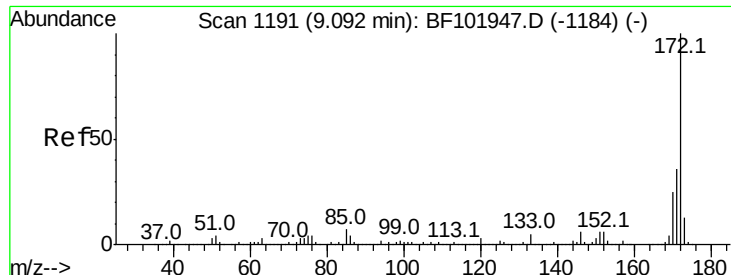
#41  
 2,4,6-Tribromophenol  
 Concen: 93.369 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

Tgt Ion:330 Resp: 222037  
 Ion Ratio Lower Upper  
 330 100  
 332 93.6 77.0 115.6  
 141 38.0 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

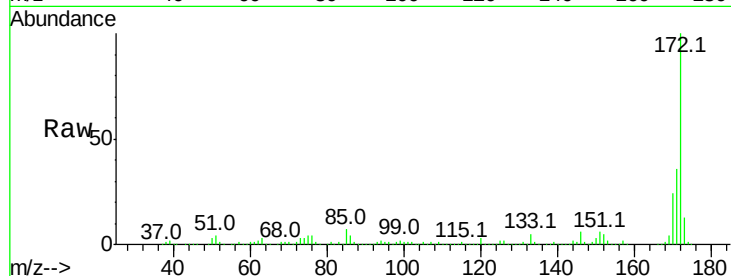




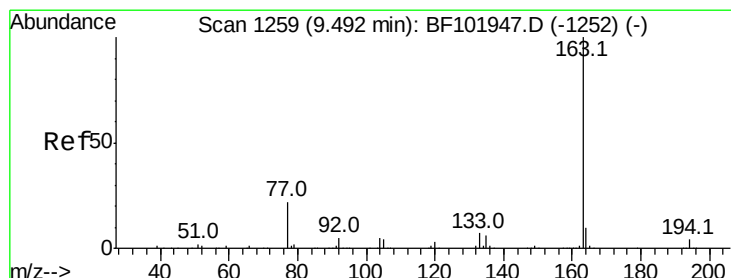
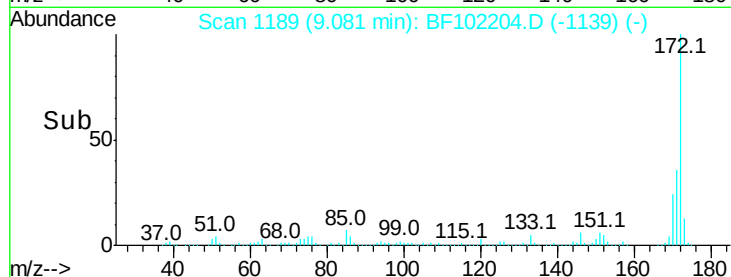
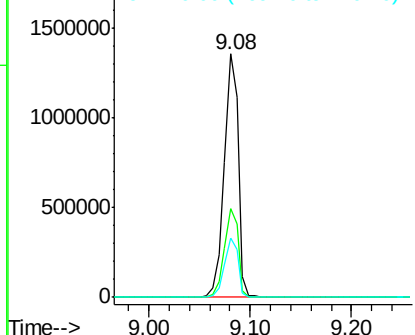
#44  
2-Fluorobiphenyl  
Concen: 74.386 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1297481  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.7 44.5  
170 24.2 19.6 29.4

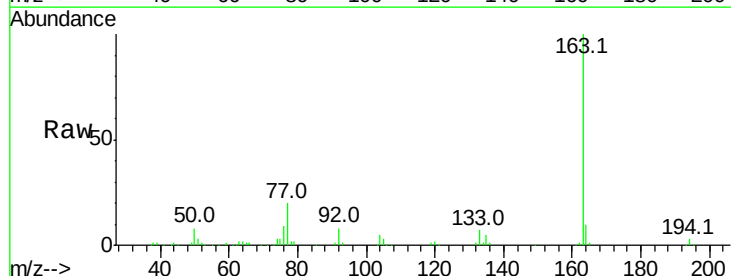


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

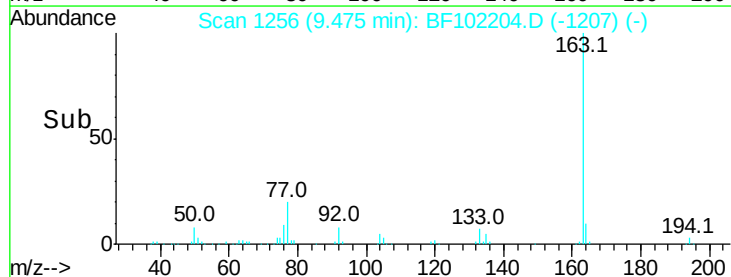
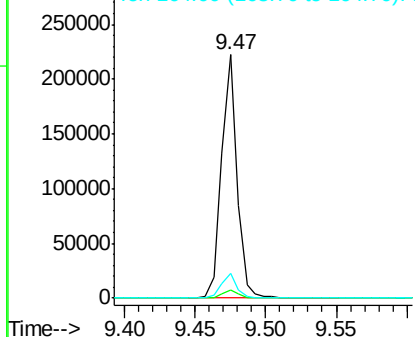


#49  
Dimethylphthalate  
Concen: 7.803 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

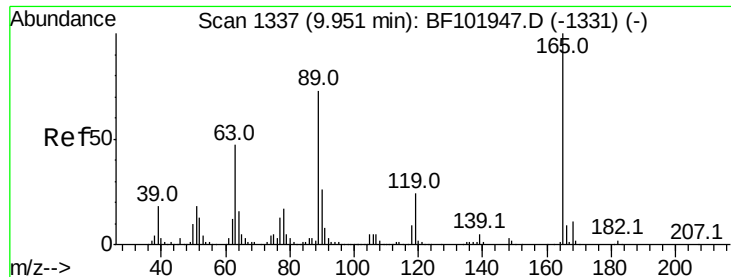
Tgt Ion:163 Resp: 170573  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



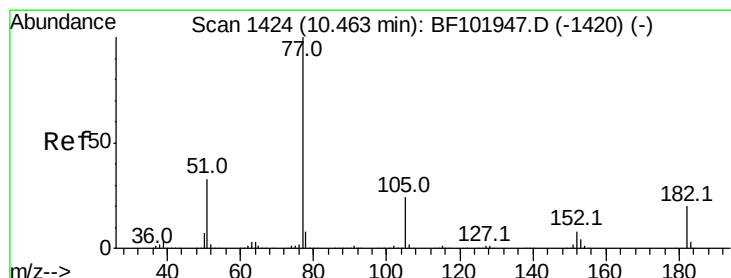
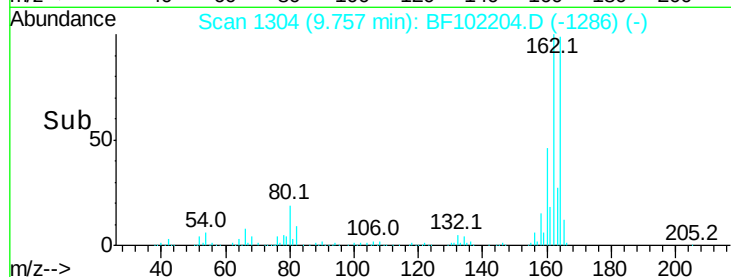
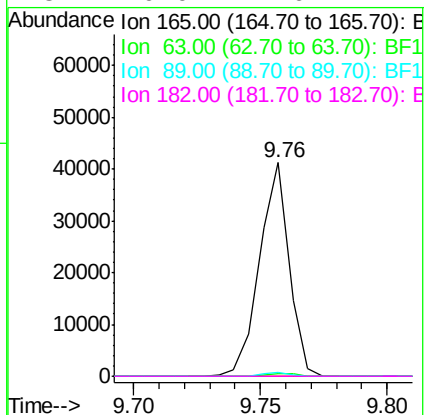
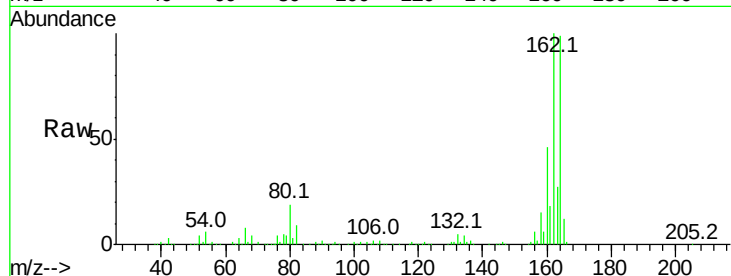




#56  
2,4-Dinitrotoluene  
Concen: 6.169 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.19 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

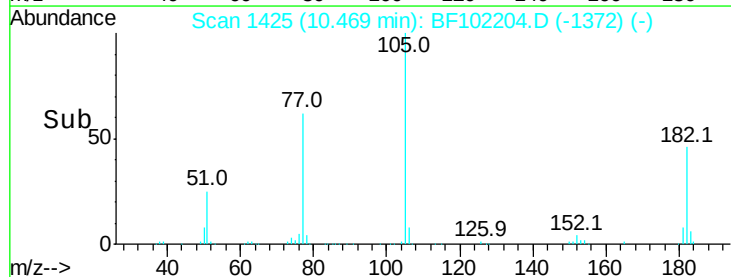
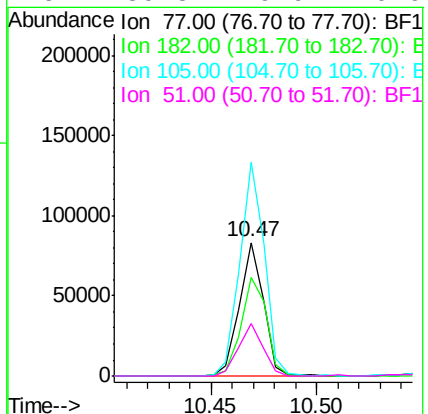
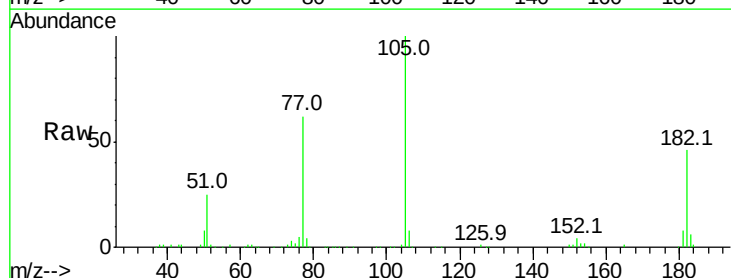
Instrument :  
BNA\_F  
ClientSampleId :

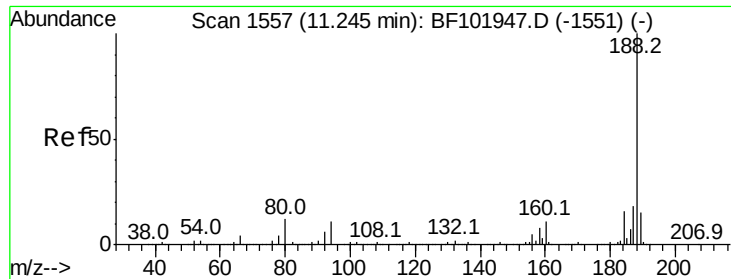
Tot Ion:165 Resp: 33761  
Ion Ratio Lower Upper  
165 100  
63 1.0 36.4 54.6#  
89 1.8 57.8 86.6#  
182 0.0 1.6 2.4#



#62  
Azobenzene  
Concen: 3.029 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. 0.01 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Tgt Ion: 77 Resp: 65524  
Ion Ratio Lower Upper  
77 100  
182 74.0 1.7 41.7#  
105 160.1 3.0 43.0#  
51 39.8 9.9 49.9

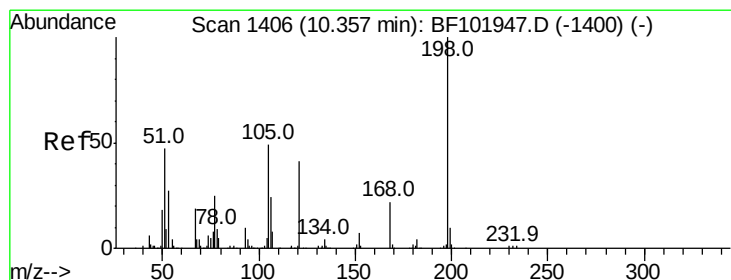
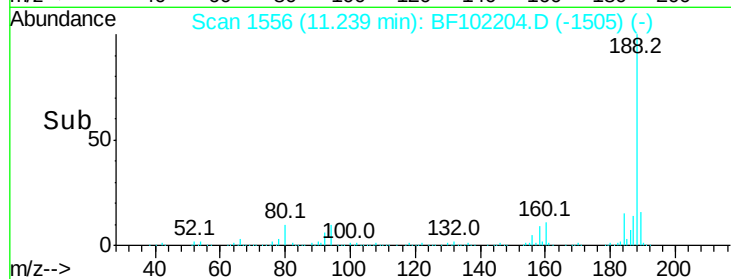
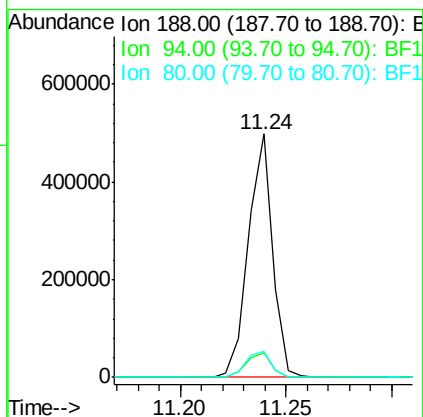
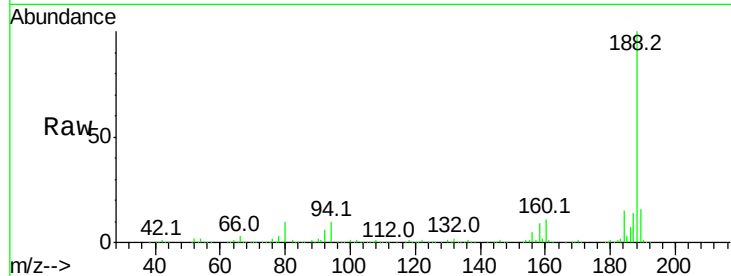




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.00 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

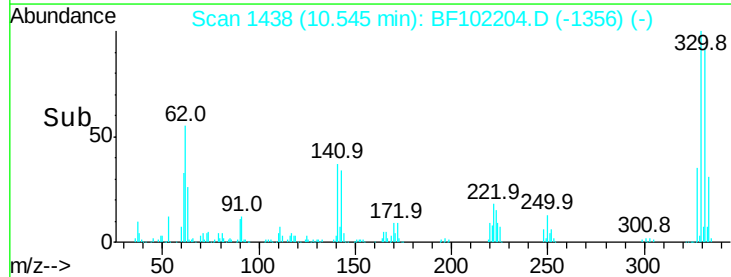
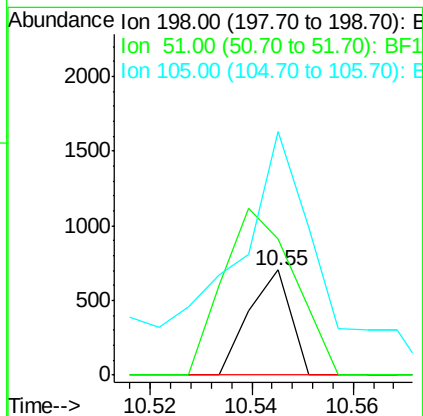
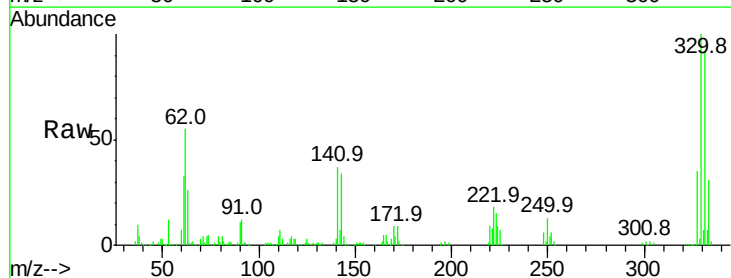
Instrument :  
BNA\_F  
ClientSampleId :

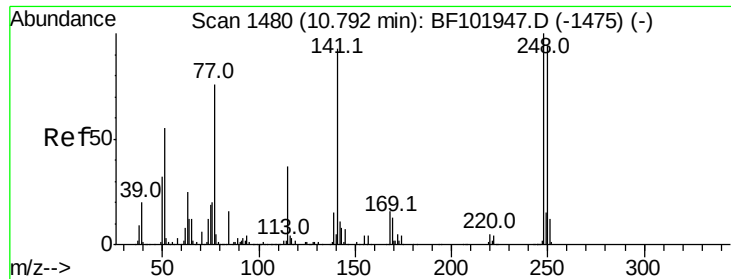
Tot Ion:188 Resp: 398648  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.5 12.7  
80 10.4 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.826 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.18 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Tgt Ion:198 Resp: 401  
Ion Ratio Lower Upper  
198 100  
51 129.9 37.7 77.7#  
105 232.2 36.3 76.3#

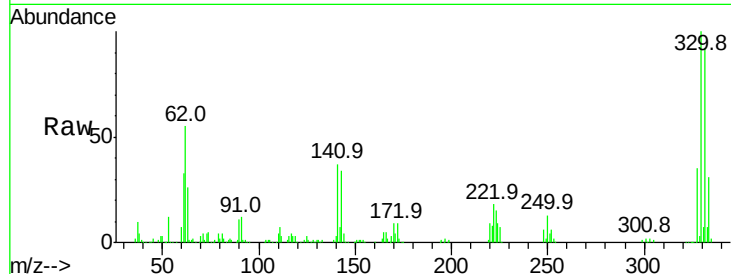




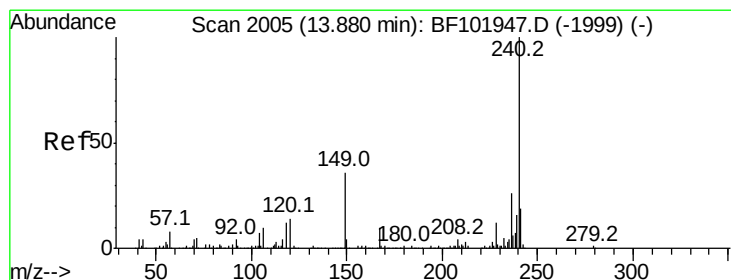
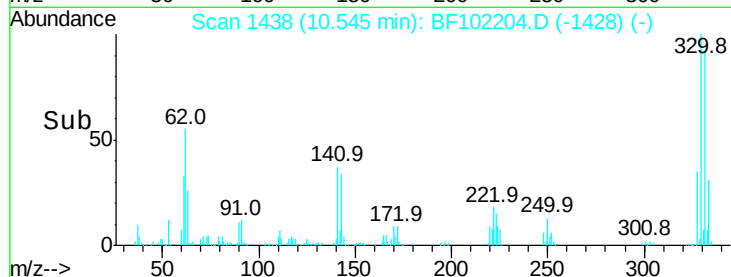
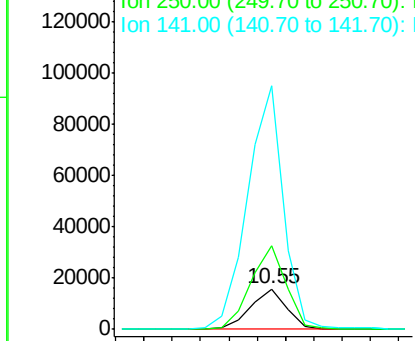
#66  
4-Bromophenyl-phenylether  
Concen: 3.286 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 13833  
Ion Ratio Lower Upper  
248 100  
250 209.3 76.9 115.3#  
141 606.4 74.4 111.6#

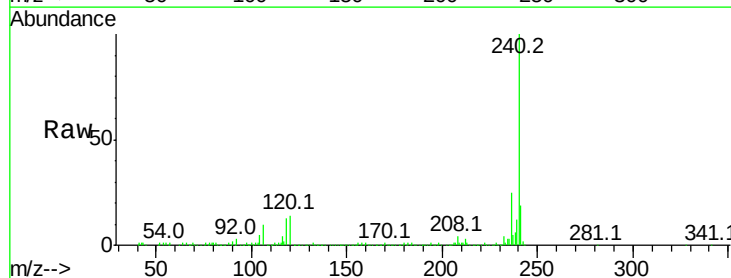


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

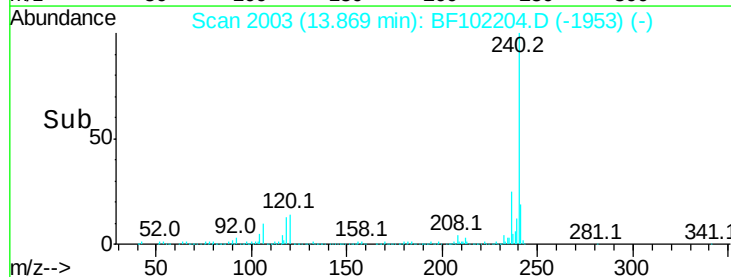
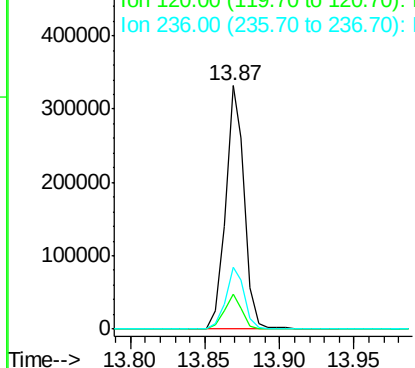


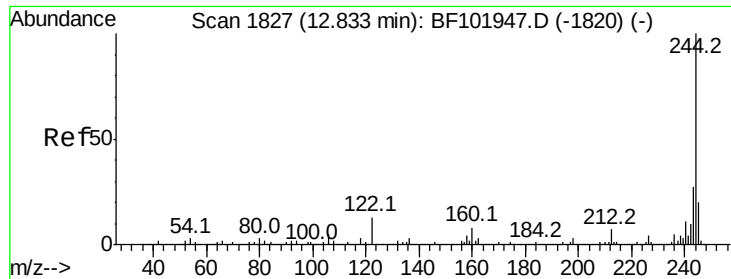
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.01 min  
Lab File: BF102204.D  
Acq: 18 Jan 2018 21:00

Tgt Ion:240 Resp: 293609  
Ion Ratio Lower Upper  
240 100  
120 14.1 9.5 14.3  
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

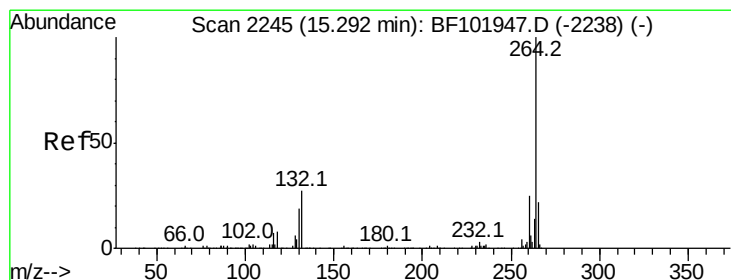
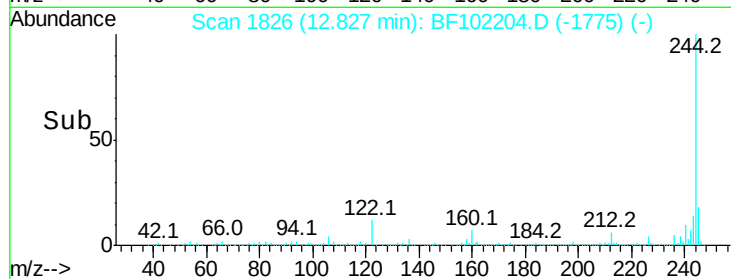
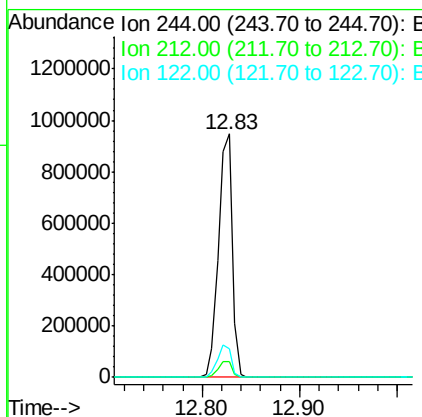
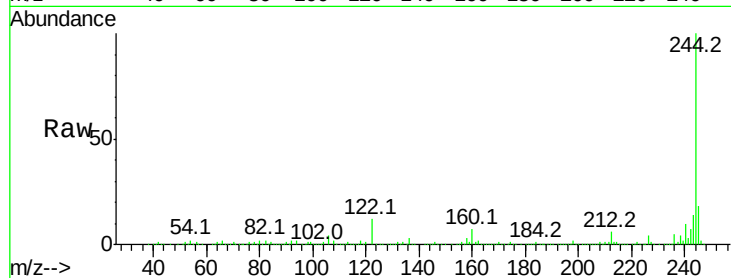




#78  
 Terphenyl-d14  
 Concen: 65.862 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 931376  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 11.8 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. 0.00 min  
 Lab File: BF102204.D  
 Acq: 18 Jan 2018 21:00

Tgt Ion:264 Resp: 255621  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 21.3 17.5 26.3

