

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
 Data File : BF107113.D  
 Acq On : 4 Jul 2018 6:12  
 Operator : JU/SJ  
 Sample : J3804-04  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Quant Time: Jul 04 06:39:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

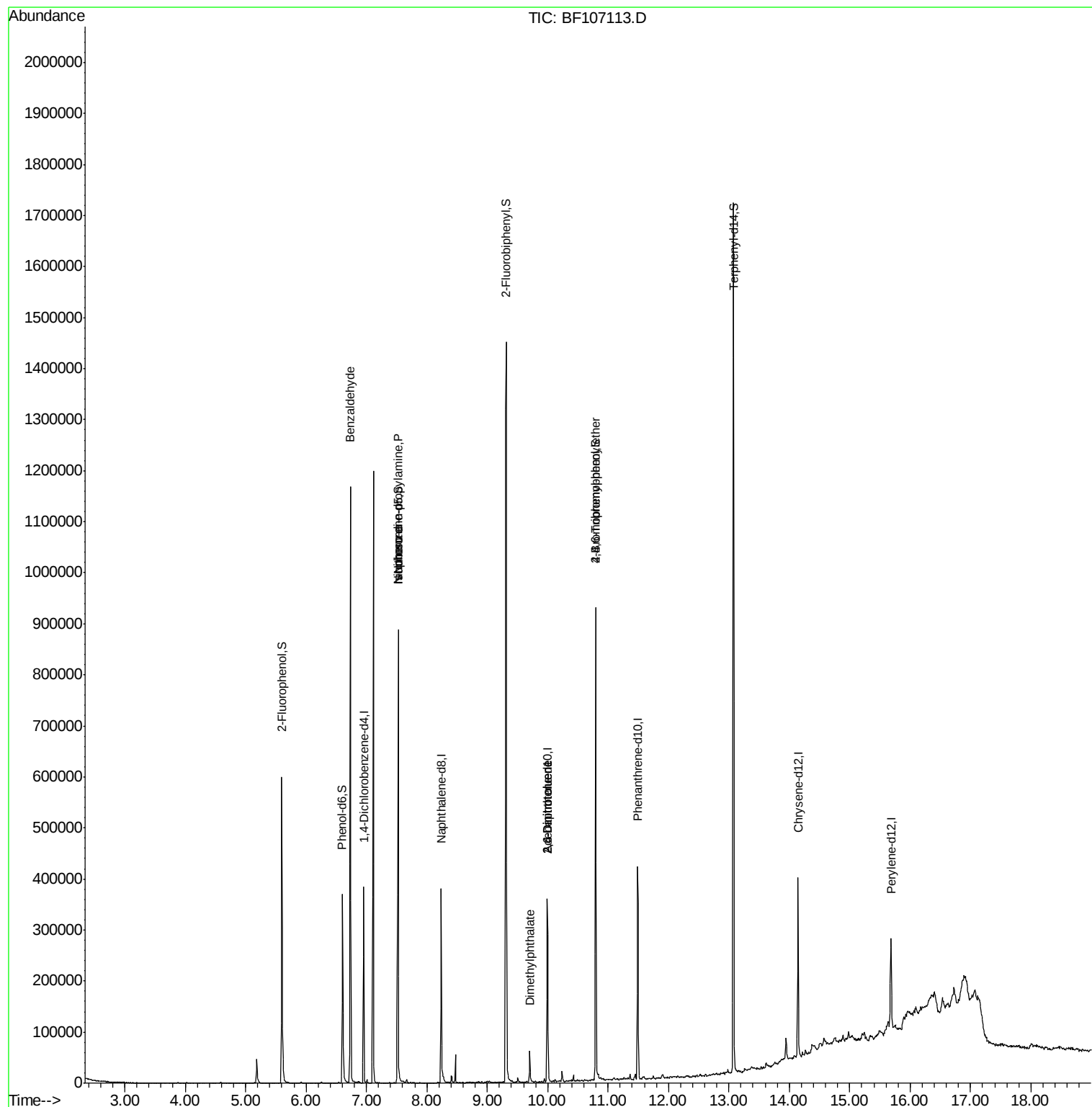
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 52435    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 183409   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 79976    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 162421   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.14 | 240  | 134634   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.68 | 264  | 99198    | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 185724   | 59.98  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 132009   | 34.14  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 302802   | 91.75  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 138660   | 149.59 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 522187   | 115.87 | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.08 | 244  | 658179   | 118.42 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 6972     | 2.148  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 39804    | 15.615 | ng    | # 70     |
| 25) Isophorone                 | 7.52  | 82   | 302797   | 52.066 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.70  | 163  | 30499    | 5.085  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 10152    | 7.993  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 10152    | 6.123  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 8520     | 4.395  | ng    | # 1      |

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

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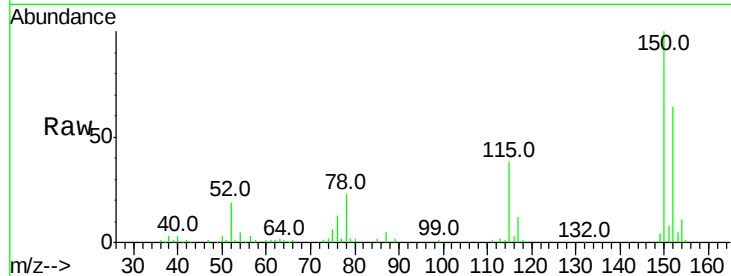


#1

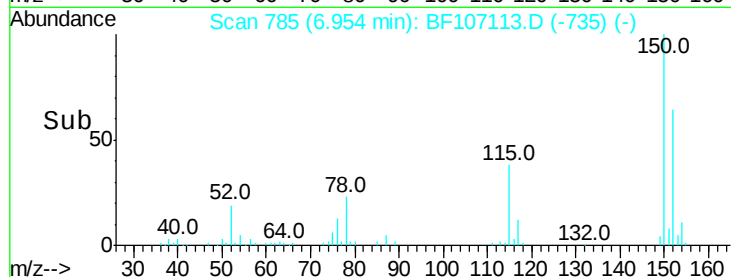
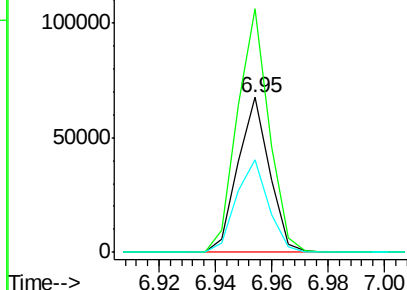
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Tot Ion:152 Resp: 52435  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 60.0 50.1 75.1



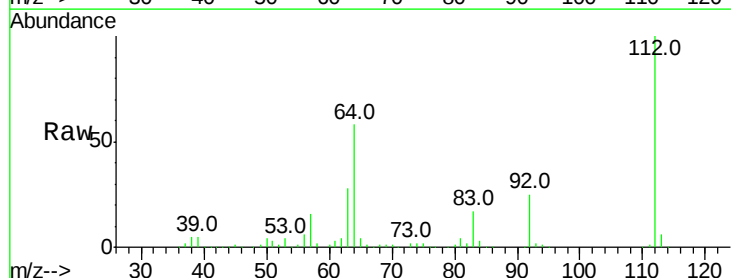
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



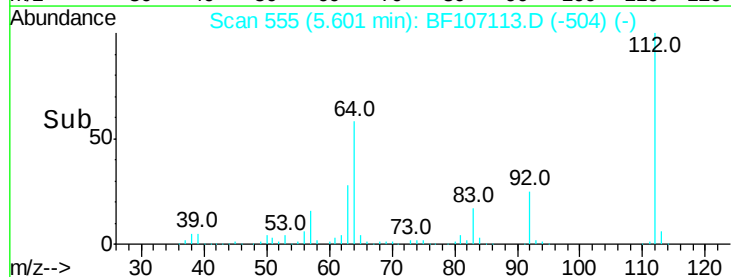
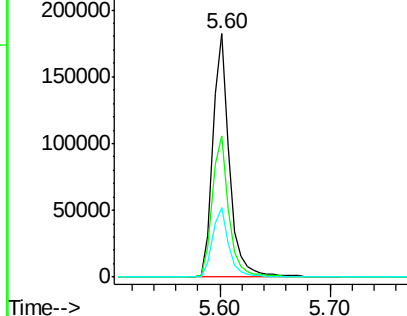
#5

2-Fluorophenol  
Concen: 59.977 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

Tgt Ion:112 Resp: 185724  
Ion Ratio Lower Upper  
112 100  
64 58.1 47.9 71.9  
63 28.3 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: 34.137 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

Instrument :

BNA\_F

ClientSampleId :

MW-02

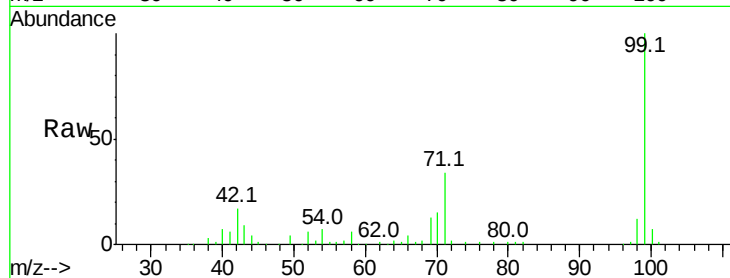
Tot Ion: 99 Resp: 132009

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

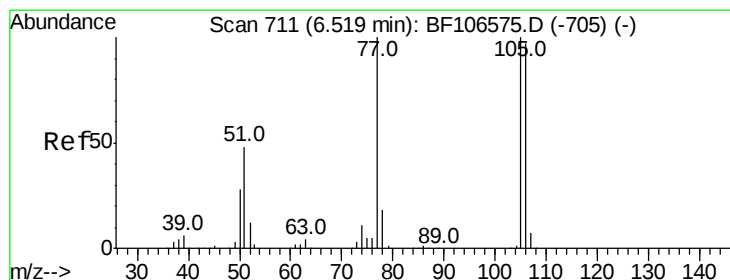
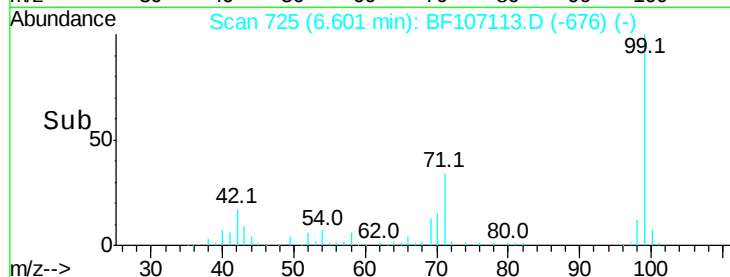
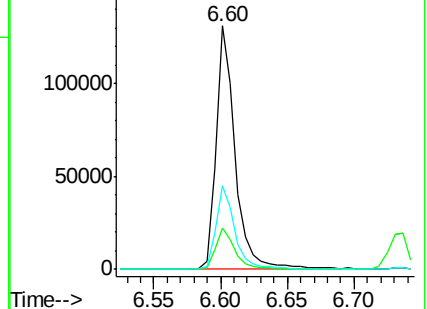
71 34.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.148 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

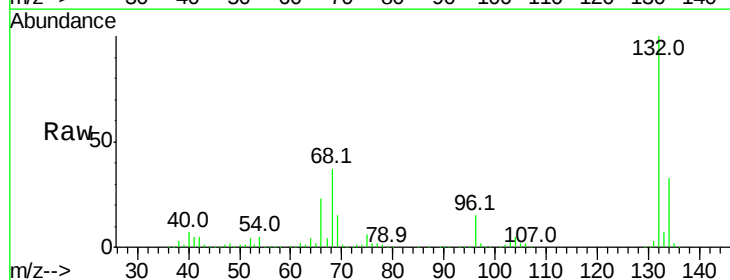
Tgt Ion: 77 Resp: 6972

Ion Ratio Lower Upper

77 100

105 88.6 81.1 121.1

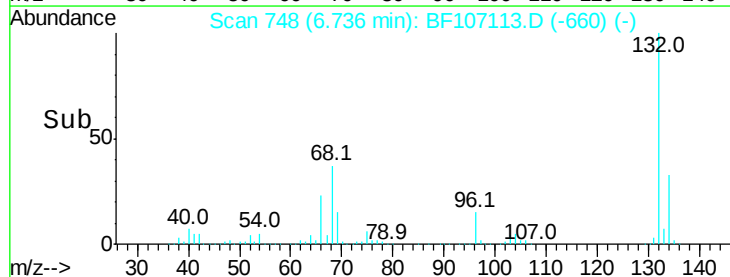
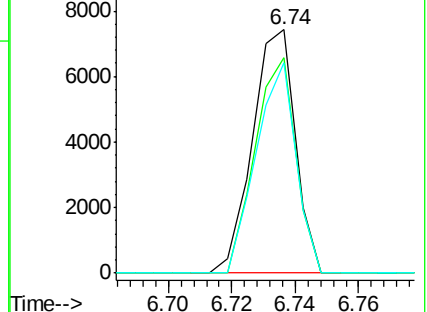
106 86.2 74.5 114.5

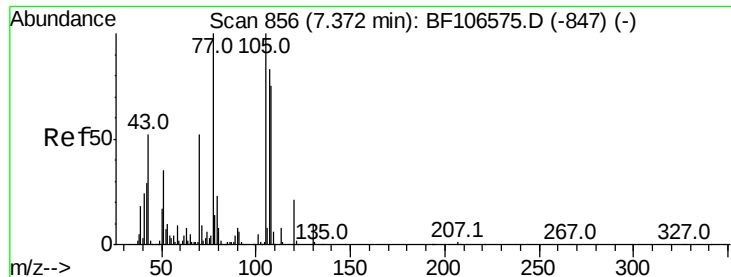


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

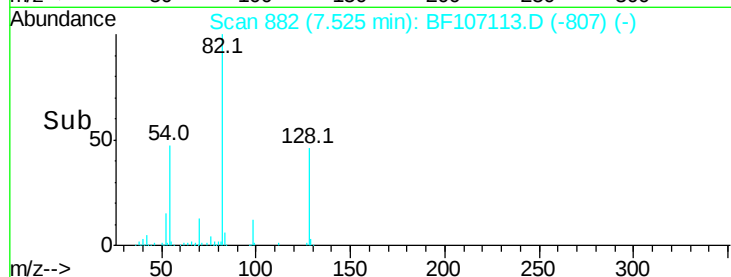
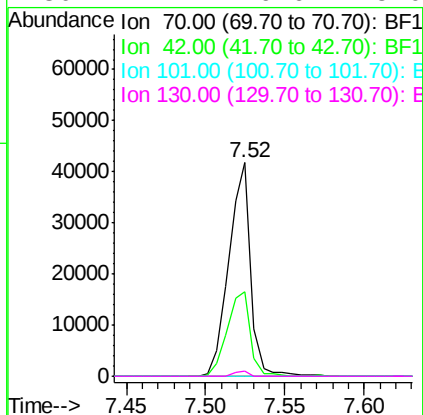
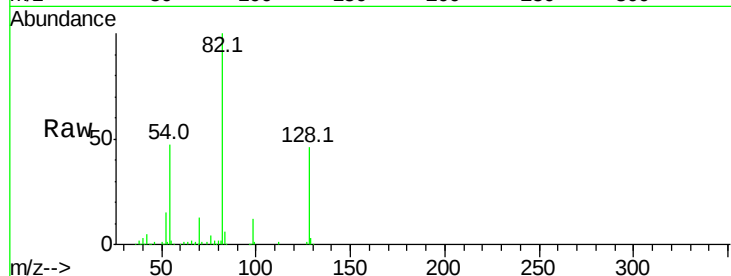




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.615 ng  
RT: 7.52 min Scan# 882  
Delta R.T. 0.14 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

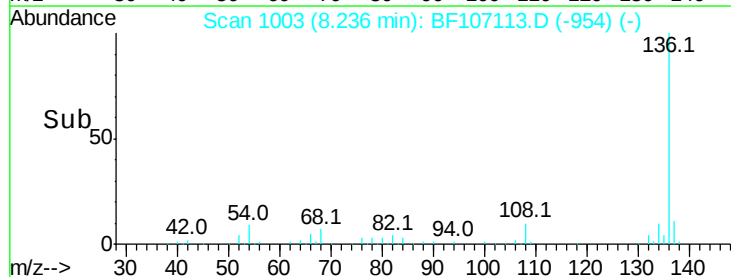
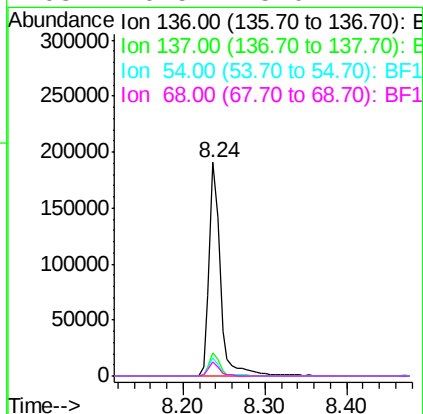
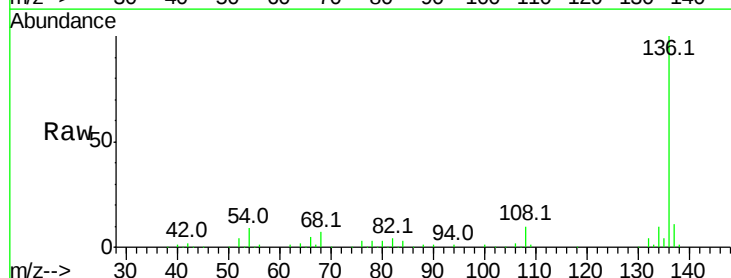
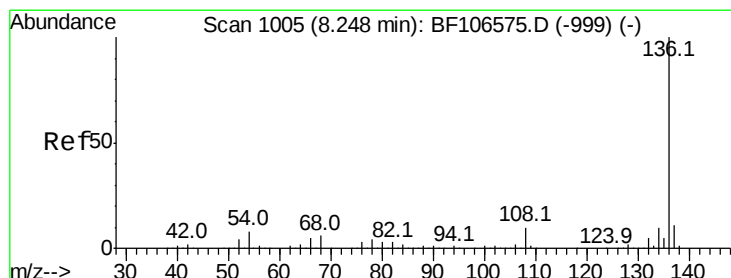
Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

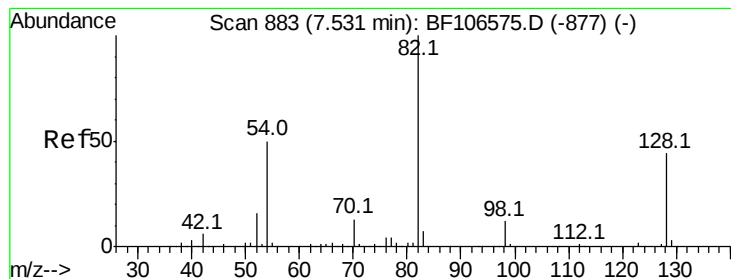
Tot Ion: 70 Resp: 39804  
Ion Ratio Lower Upper  
70 100  
42 39.4 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

Tgt Ion:136 Resp: 183409  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 8.6 6.6 9.8  
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 91.750 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

Instrument :

BNA\_F

ClientSampled :

MW-02

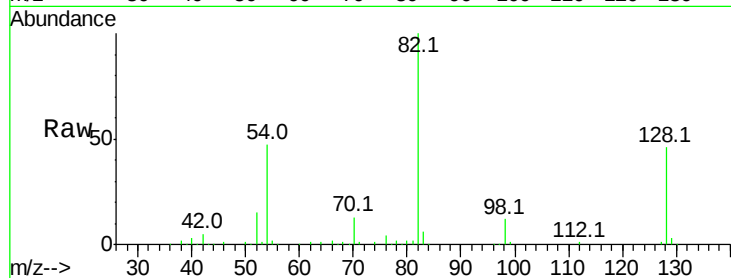
Tot Ion: 82 Resp: 302802

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

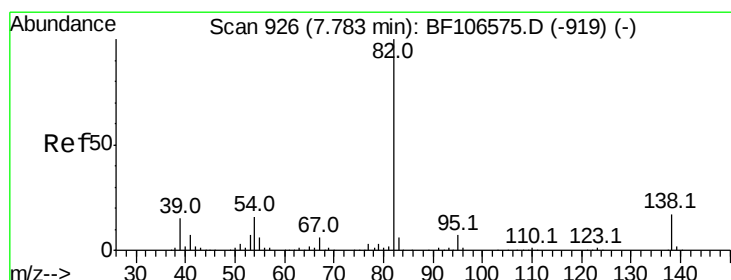
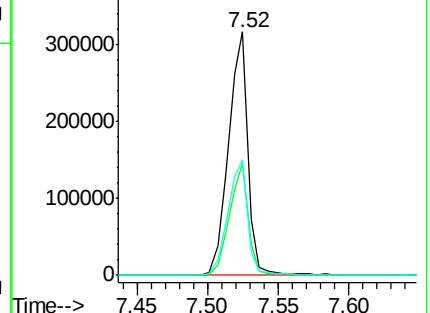
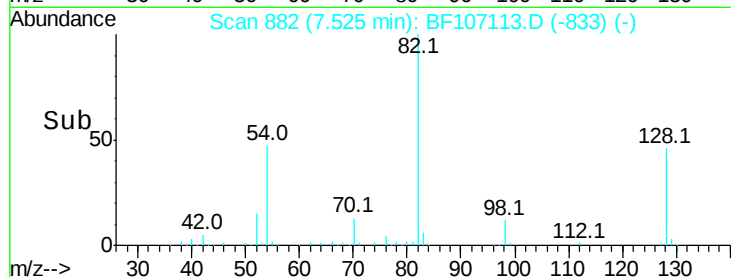
54 47.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 52.066 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

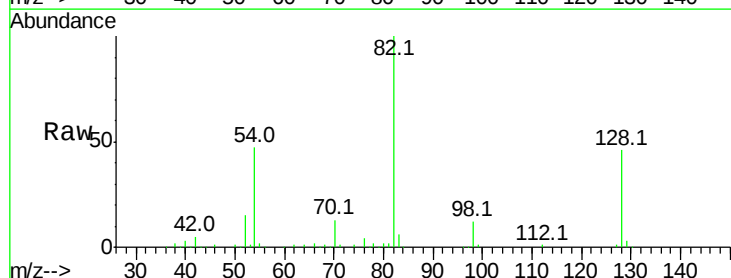
Tgt Ion: 82 Resp: 302797

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

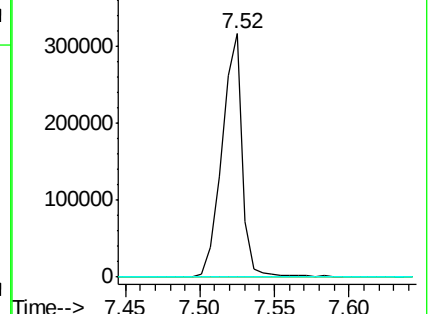
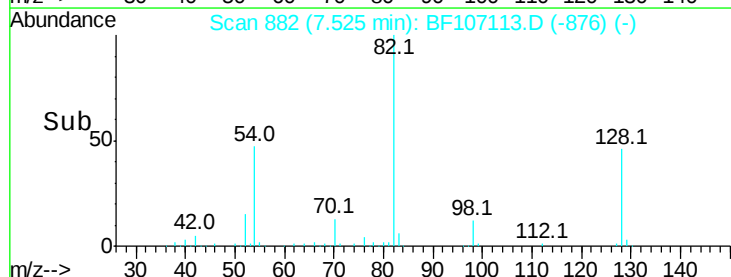
138 0.0 14.9 22.3#

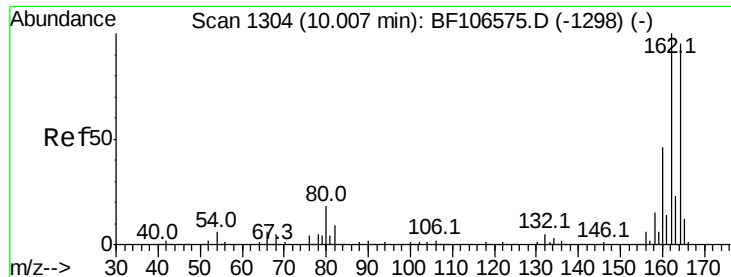


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

Instrument :

BNA\_F

ClientSampleId :

MW-02

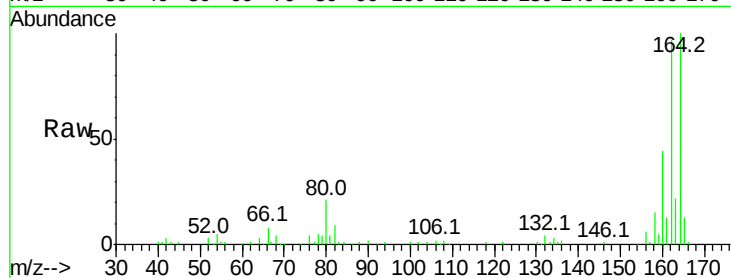
Tot Ion:164 Resp: 79976

Ion Ratio Lower Upper

164 100

162 97.0 86.1 129.1

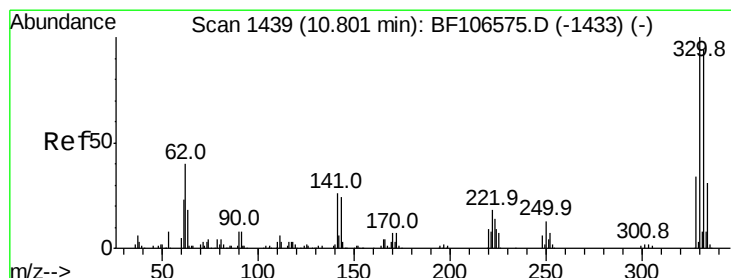
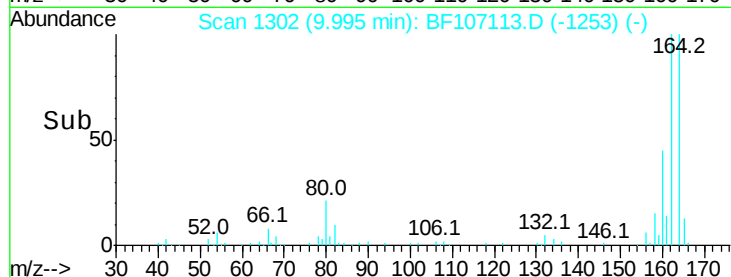
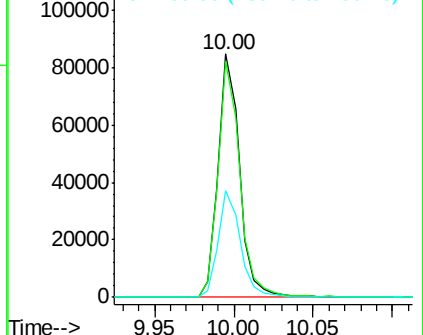
160 43.9 38.3 57.5



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: 149.588 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

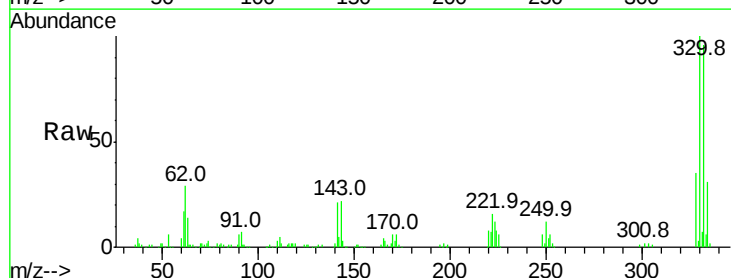
Tgt Ion:330 Resp: 138660

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

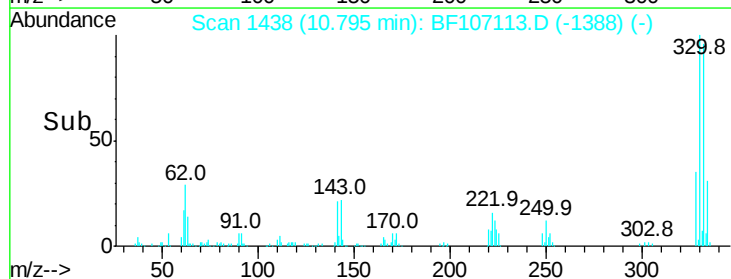
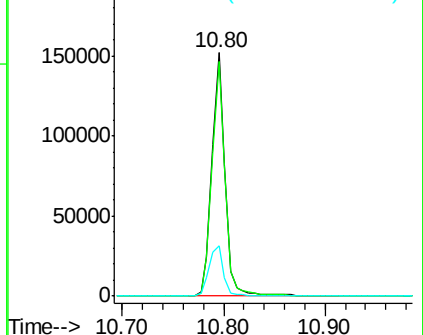
141 22.9 29.9 44.9#



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



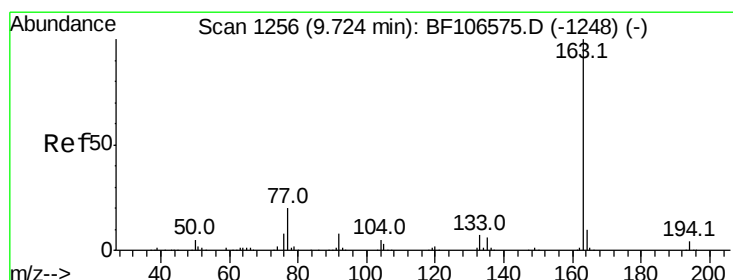
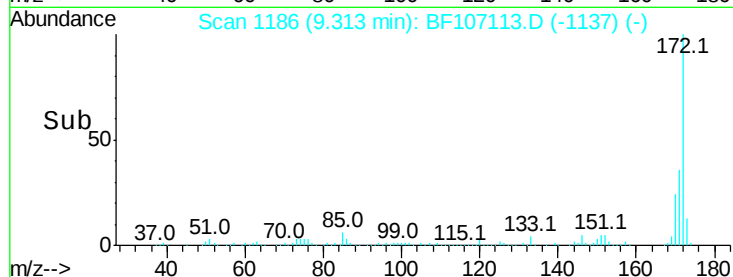
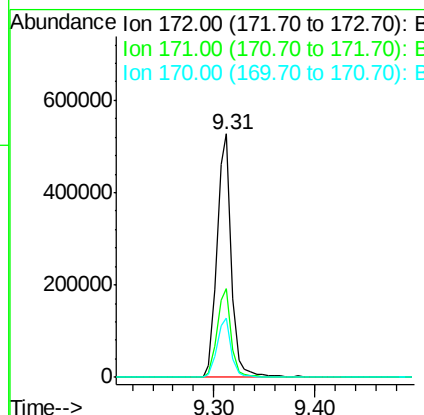
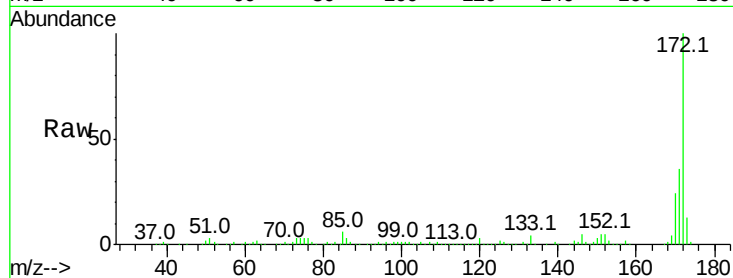


#44  
 2-Fluorobiphenyl  
 Concen: 115.875 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF107113.D  
 Acq: 4 Jul 2018 6:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

Tot Ion:172 Resp: 522187  

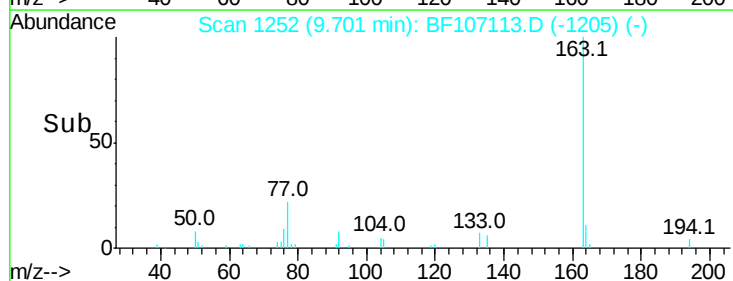
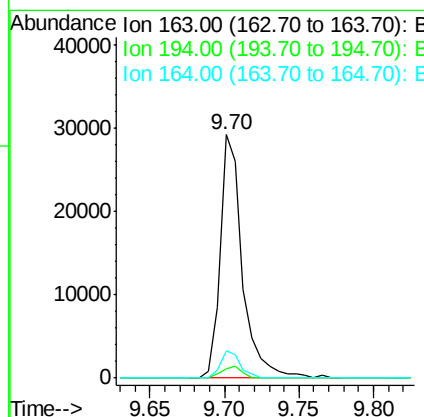
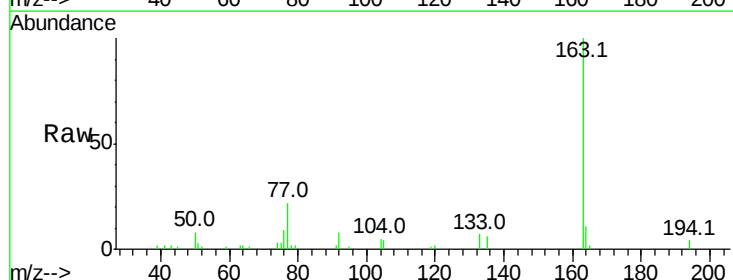
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.7  | 44.5  |
| 170 | 24.4  | 19.6  | 29.4  |

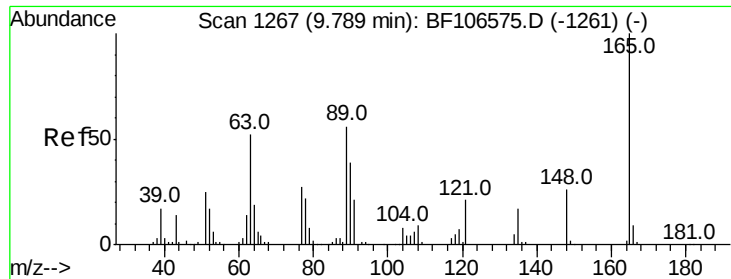


#49  
 Dimethylphthalate  
 Concen: 5.085 ng  
 RT: 9.70 min Scan# 1252  
 Delta R.T. -0.02 min  
 Lab File: BF107113.D  
 Acq: 4 Jul 2018 6:12

Tgt Ion:163 Resp: 30499  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 2.7   | 4.1   |
| 164 | 11.3  | 8.2   | 12.2  |

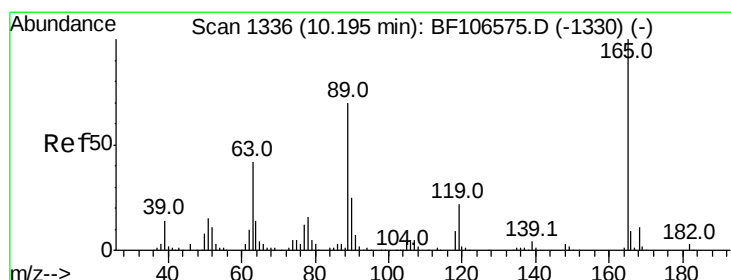
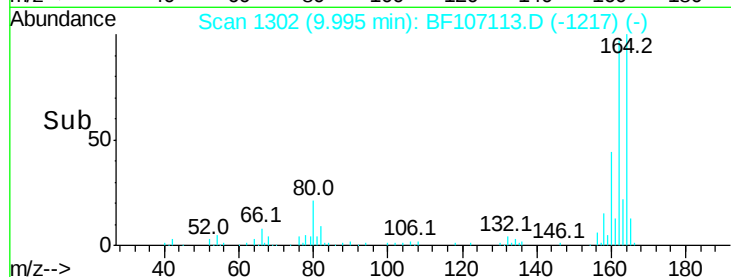
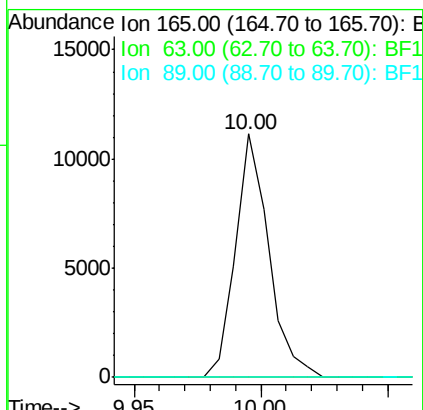
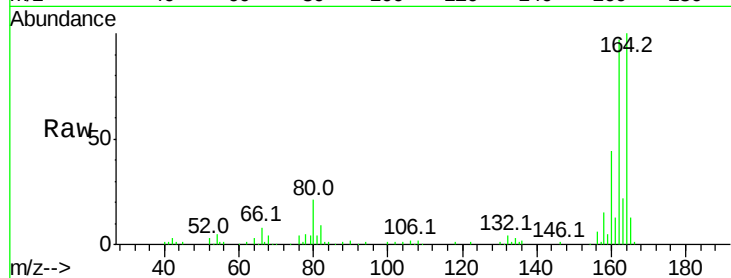




#50  
 2,6-Dinitrotoluene  
 Concen: 7.993 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. 0.20 min  
 Lab File: BF107113.D  
 Acq: 4 Jul 2018 6:12

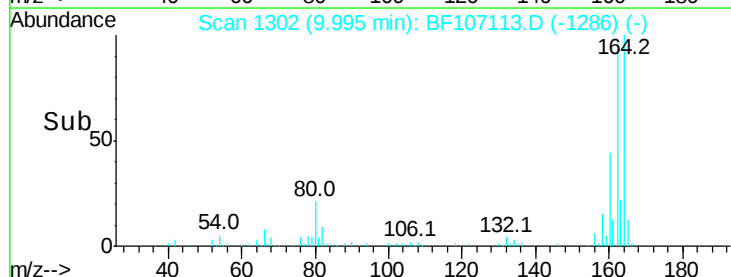
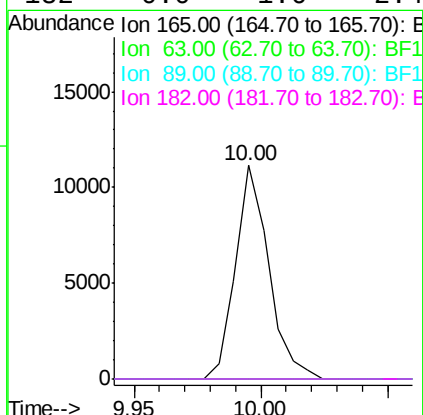
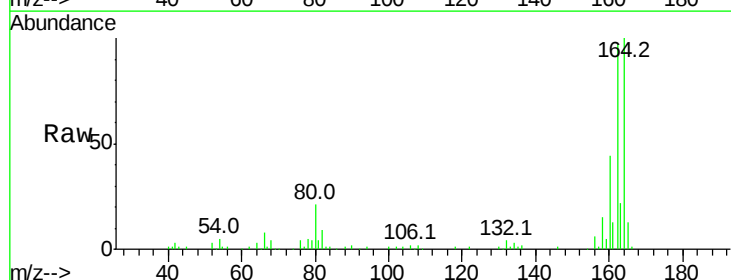
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

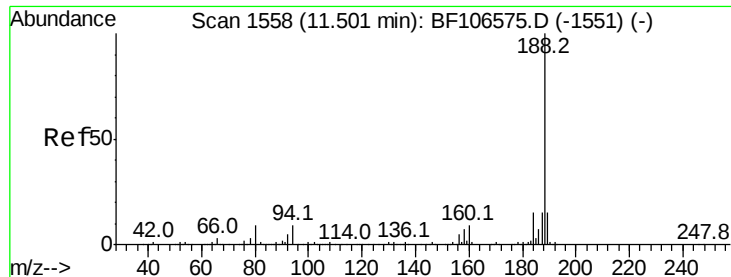
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.123 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF107113.D  
 Acq: 4 Jul 2018 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

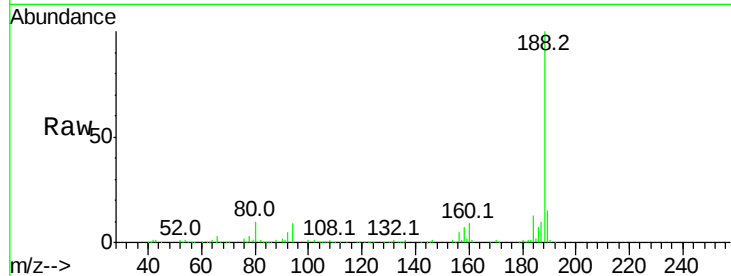




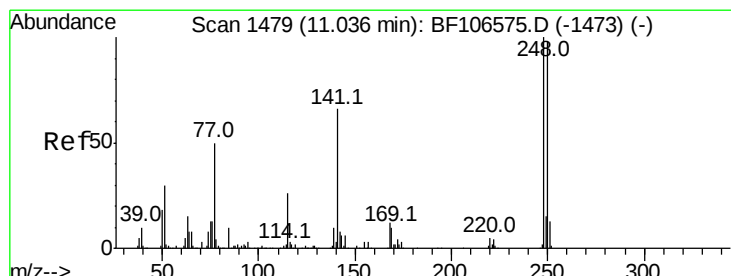
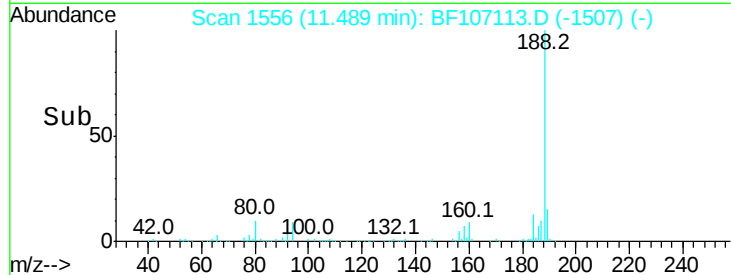
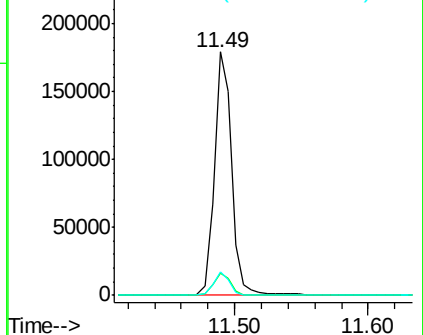
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Tot Ion:188 Resp: 162421  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.5 12.7  
80 9.8 9.2 13.8

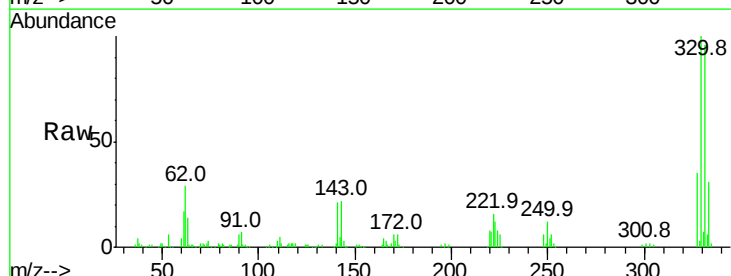


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

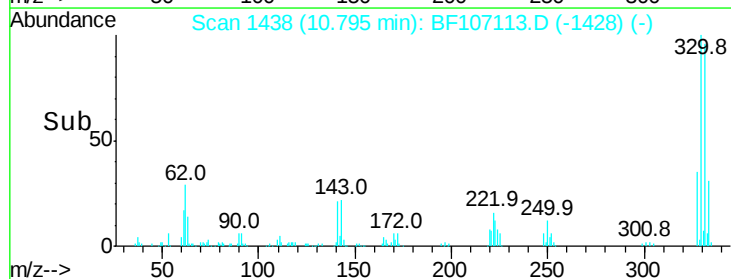
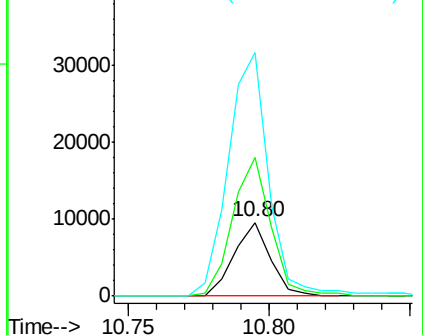


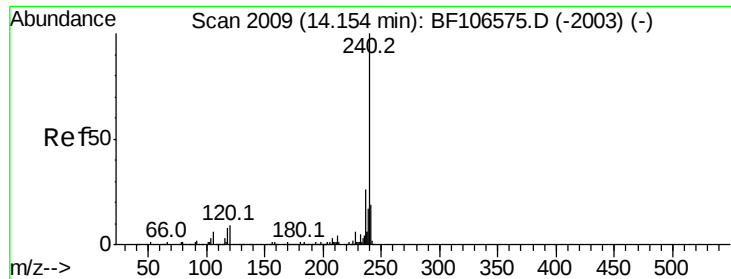
#66  
4-Bromophenyl-phenylether  
Concen: 4.395 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF107113.D  
Acq: 4 Jul 2018 6:12

Tgt Ion:248 Resp: 8520  
Ion Ratio Lower Upper  
248 100  
250 188.1 76.9 115.3#  
141 330.3 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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

Instrument :

BNA\_F

ClientSampleId :

MW-02

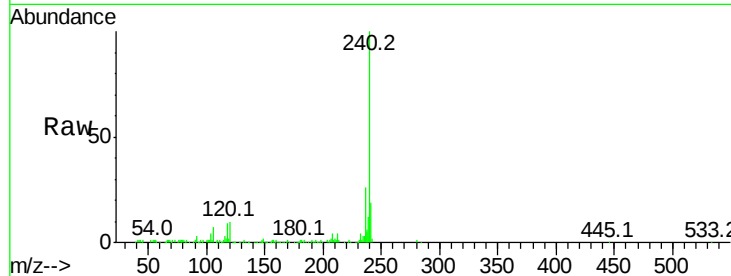
Tot Ion:240 Resp: 134634

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

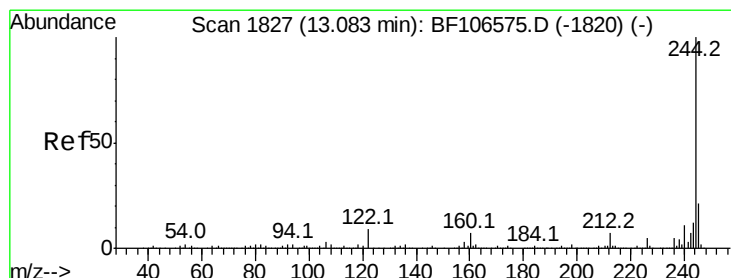
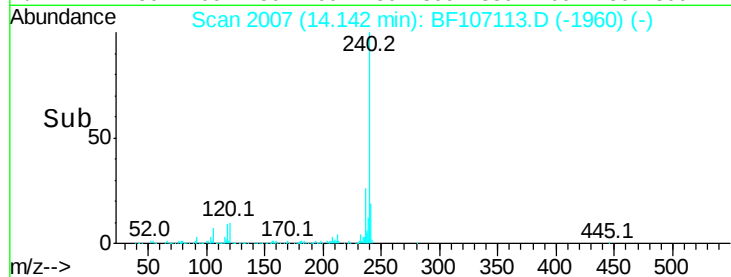
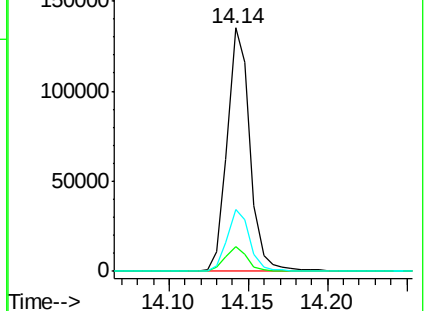
236 25.5 20.7 31.1



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: 118.418 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

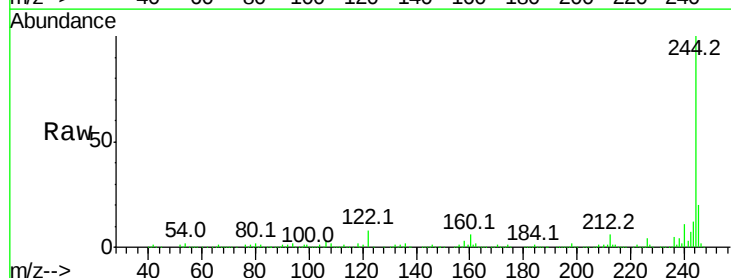
Tgt Ion:244 Resp: 658179

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

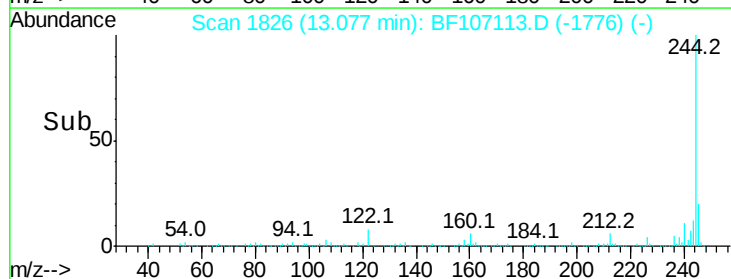
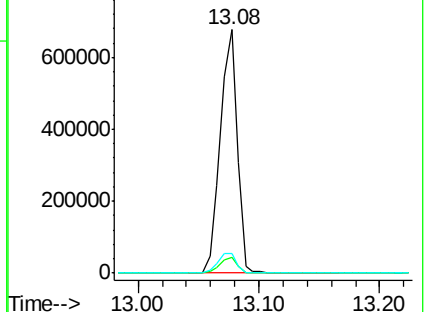
122 8.1 11.0 16.4#

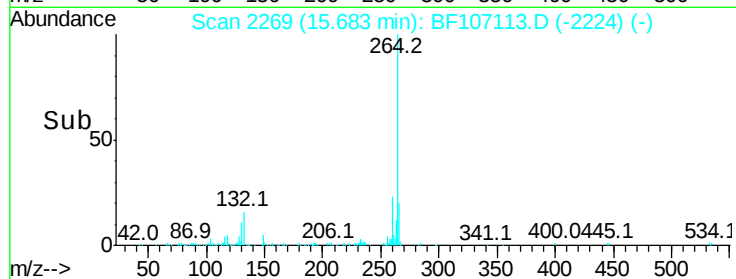
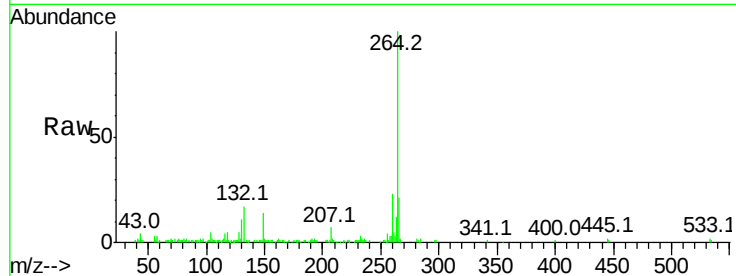
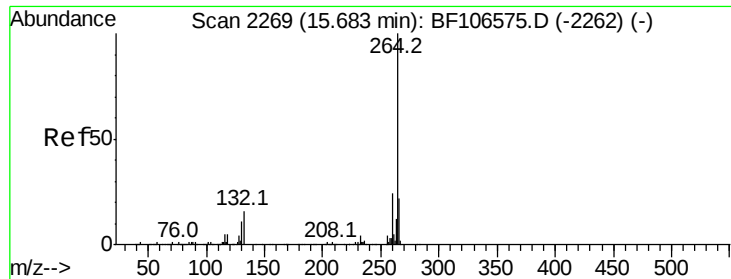


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.04 min

Lab File: BF107113.D

Acq: 4 Jul 2018 6:12

Instrument :

BNA\_F

ClientSampleId :

MW-02

Tot Ion:264 Resp: 99198

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.0 17.5 26.3

