

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\  
 Data File : BF101060.D  
 Acq On : 1 Dec 2017 13:57  
 Operator : SJ/JU  
 Sample : PB104640BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104640BL

Quant Time: Dec 01 15:47:57 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 01 15:45:50 2017  
 Response via : Initial Calibration

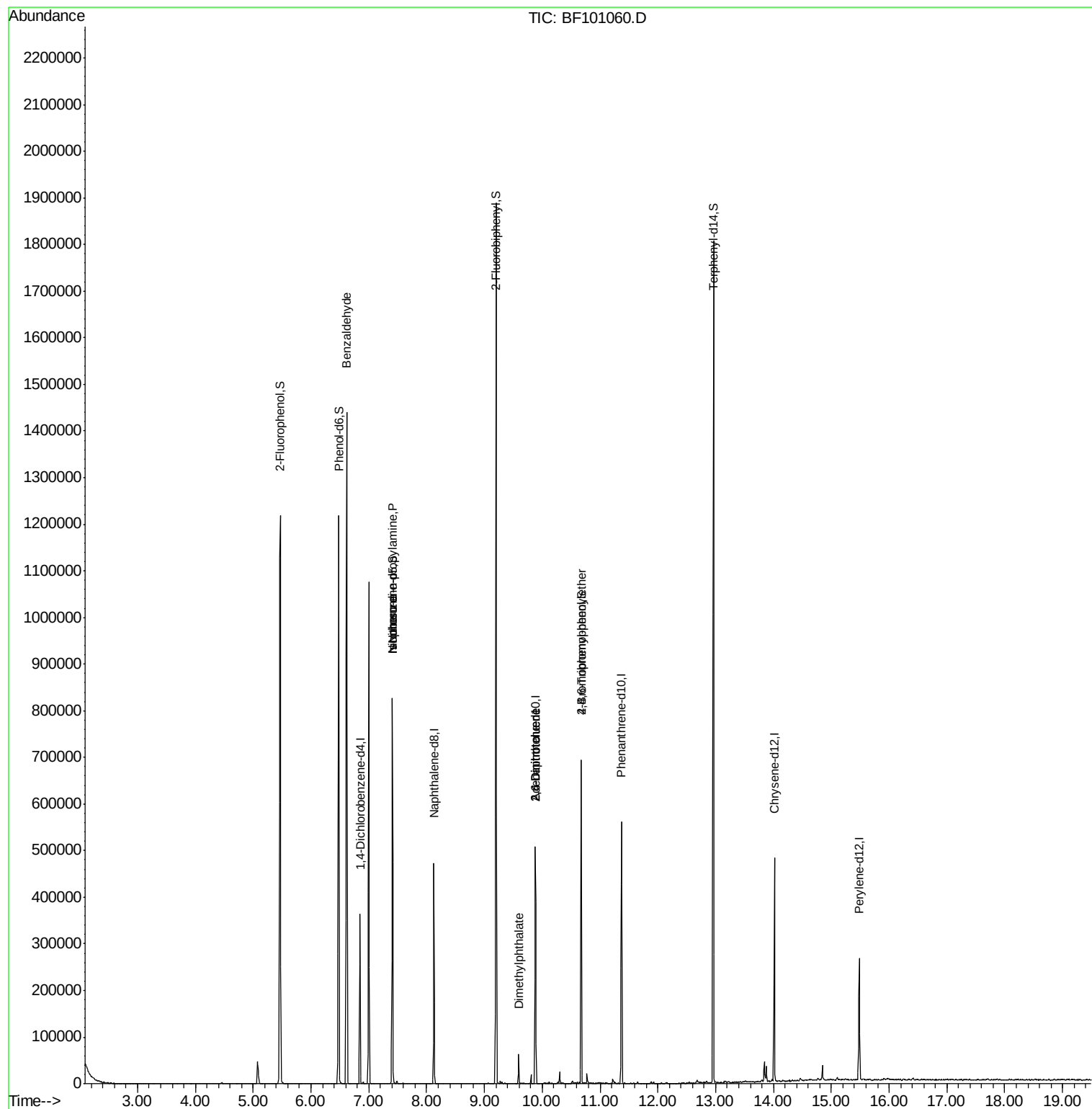
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 51371    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 202661   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.88  | 164  | 98412    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.37 | 188  | 200787   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 169698   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.48 | 264  | 124816   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 356035   | 114.53 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 429401   | 113.77 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 266523   | 78.45  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 88845    | 75.15  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 589699   | 81.98  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 690397   | 88.99  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.62  | 77   | 7820     | 3.385  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 34808    | 13.694 | ng    | # 82     |
| 25) Isophorone                 | 7.41  | 82   | 266520   | 45.928 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.59  | 163  | 23003    | 2.898  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.88  | 165  | 12370    | 7.400  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.88  | 165  | 12370    | 5.522  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 5200     | 2.314  | ng    | # 1      |

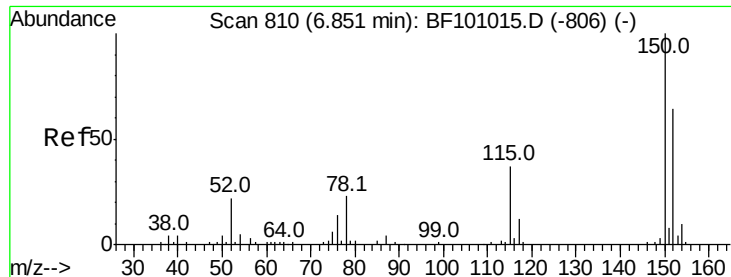
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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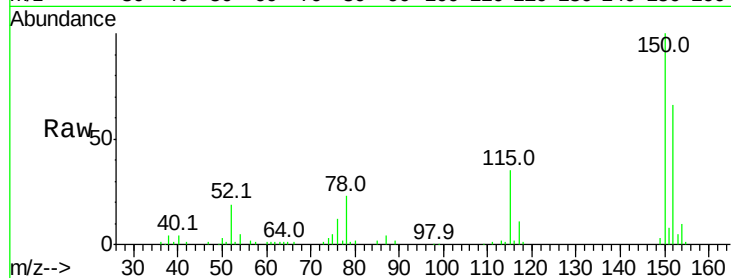


#1

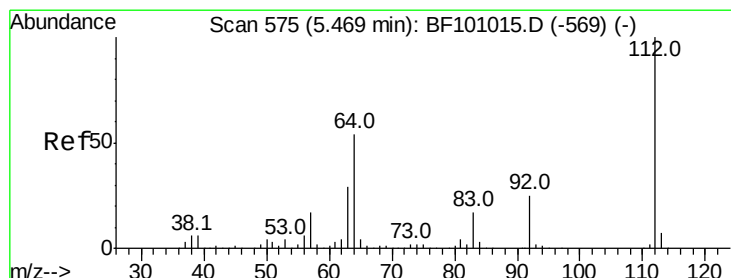
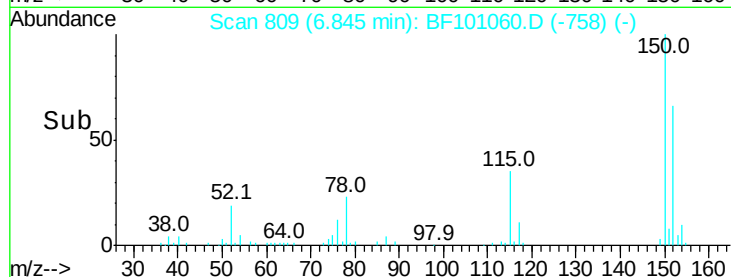
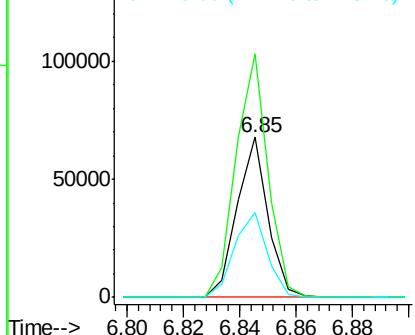
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

Instrument :  
BNA\_F  
ClientSampleId :  
PB104640BL

Tot Ion:152 Resp: 51371  
Ion Ratio Lower Upper  
152 100  
150 152.4 124.6 186.8  
115 53.2 50.1 75.1



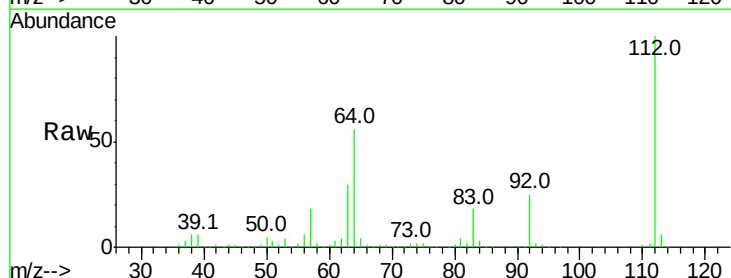
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



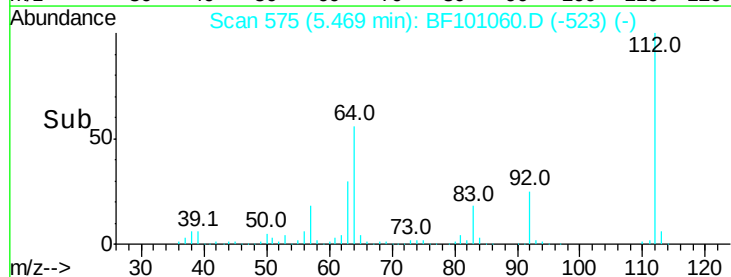
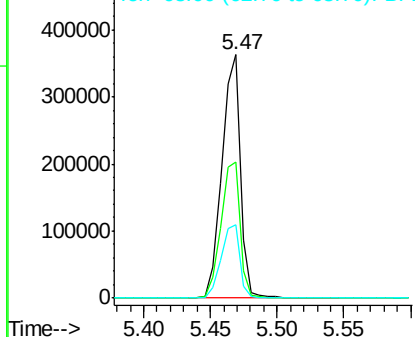
#5

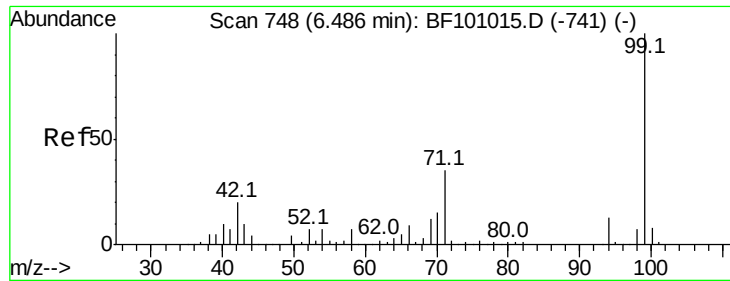
2-Fluorophenol  
Concen: 114.525 ng  
RT: 5.47 min Scan# 575  
Delta R.T. 0.01 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

Tgt Ion:112 Resp: 356035  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.9 71.9  
63 29.9 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: 113.768 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

Instrument :

BNA\_F

ClientSampled :

PB104640BL

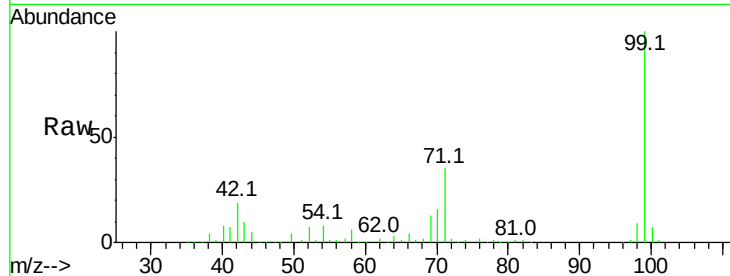
Tot Ion: 99 Resp: 429401

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

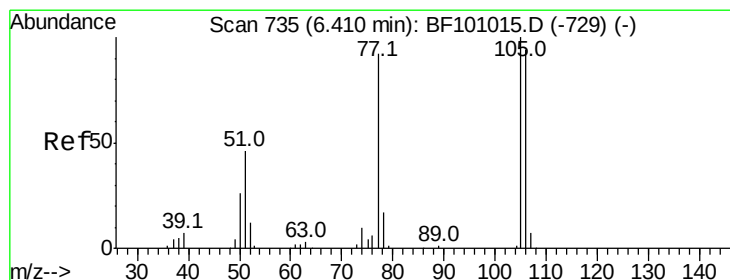
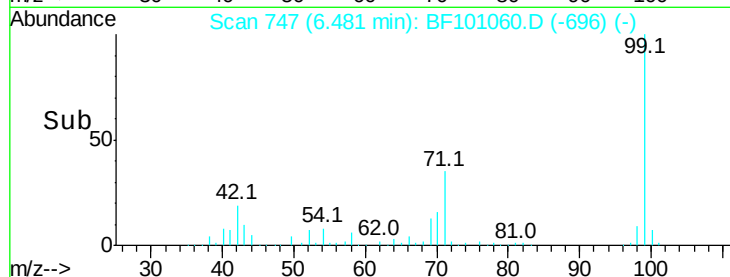
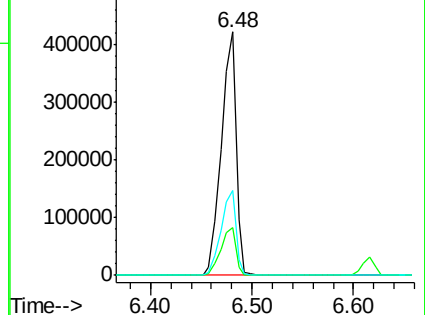
71 35.1 25.4 38.0



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: 3.385 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

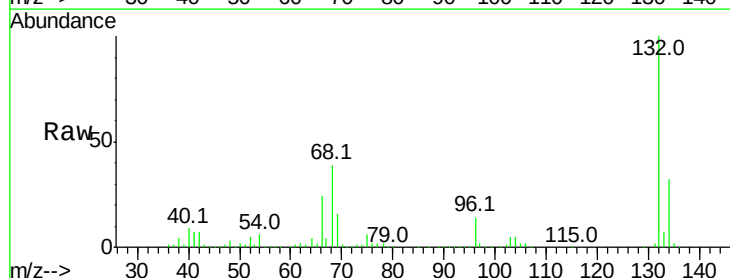
Tgt Ion: 77 Resp: 7820

Ion Ratio Lower Upper

77 100

105 85.5 81.1 121.1

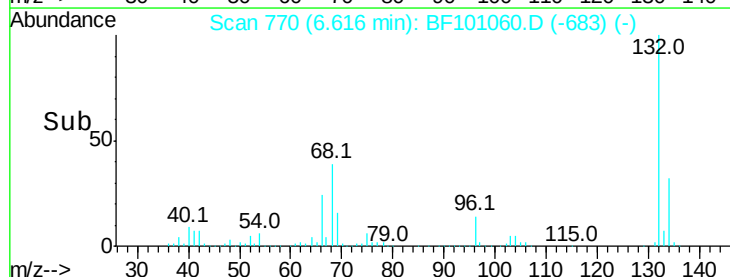
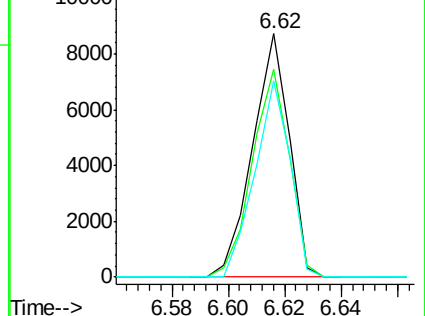
106 80.5 74.5 114.5

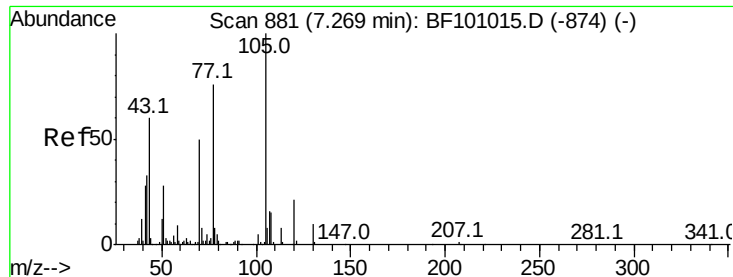


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

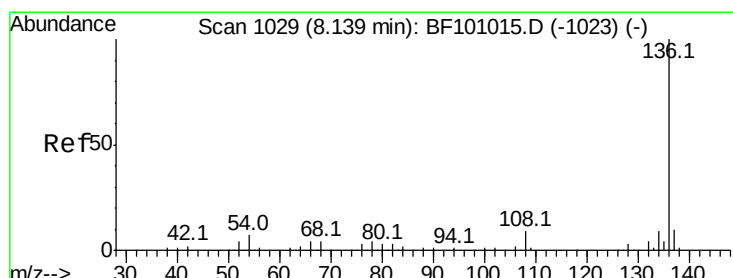
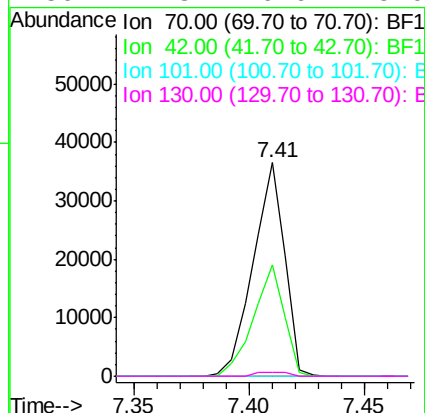
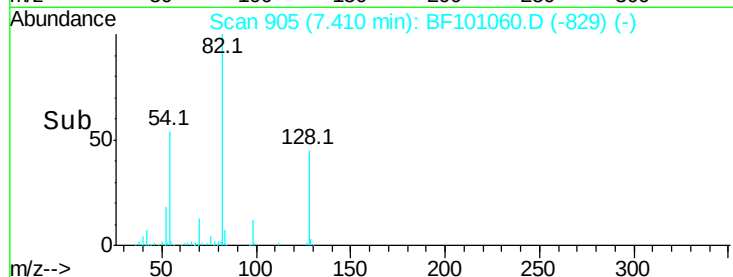
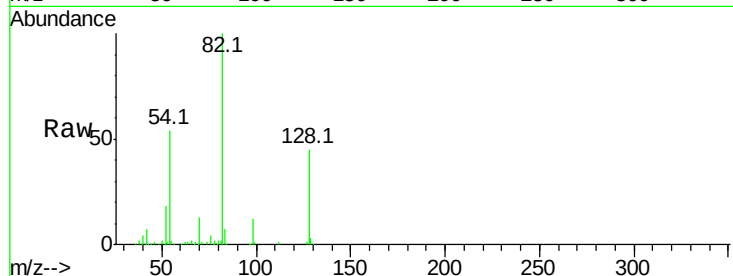




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.694 ng  
RT: 7.41 min Scan# 905  
Delta R.T. 0.15 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

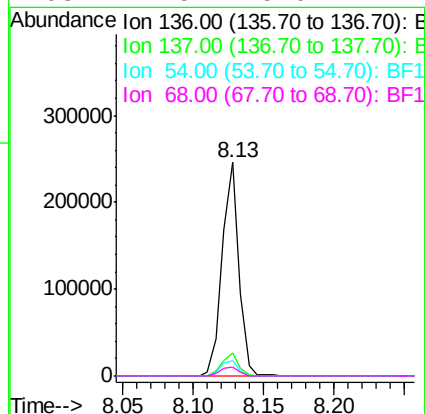
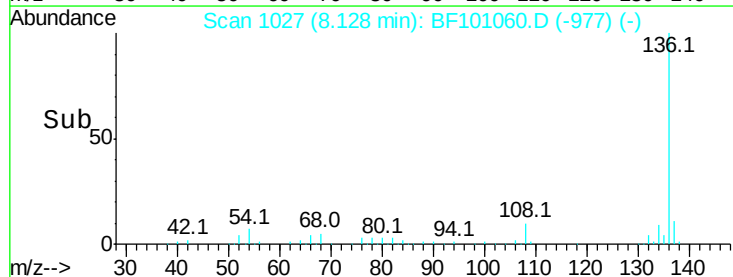
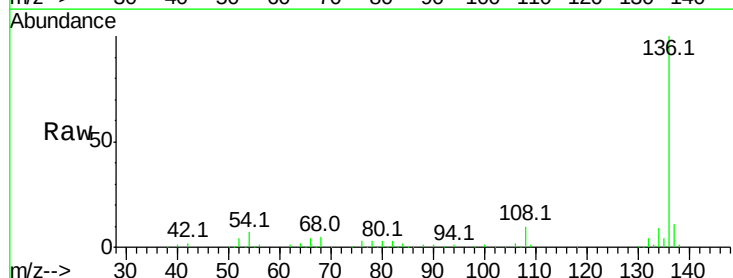
Instrument :  
BNA\_F  
ClientSampled :  
PB104640BL

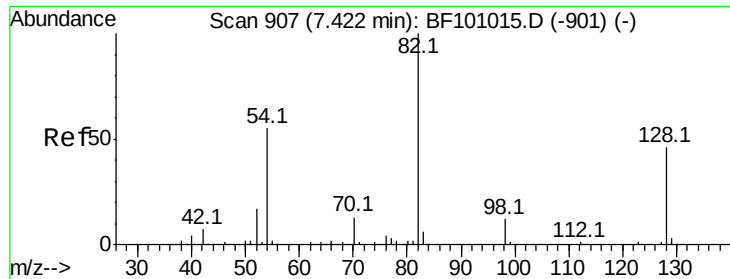
Tot Ion: 70 Resp: 34808  
Ion Ratio Lower Upper  
70 100  
42 52.2 47.5 71.3  
101 0.0 7.4 11.2#  
130 1.8 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

Tgt Ion:136 Resp: 202661  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.1 6.6 9.8  
68 4.5 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 78.451 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

Instrument :

BNA\_F

ClientSampleId :

PB104640BL

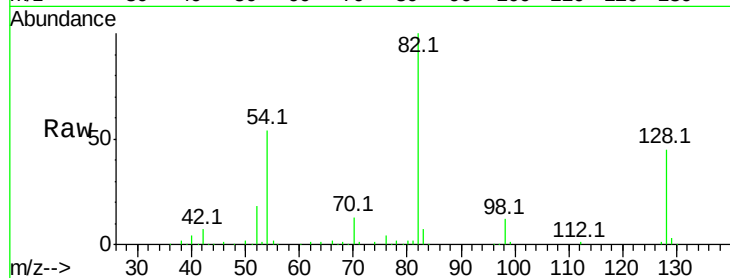
Tot Ion: 82 Resp: 266523

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

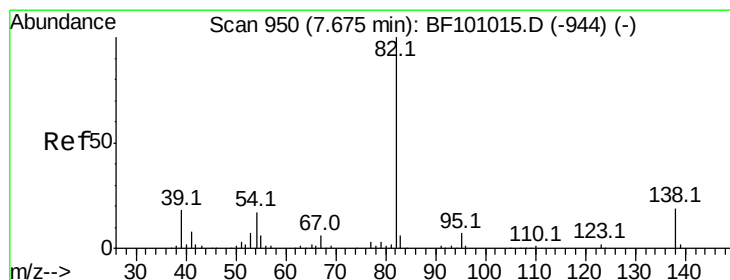
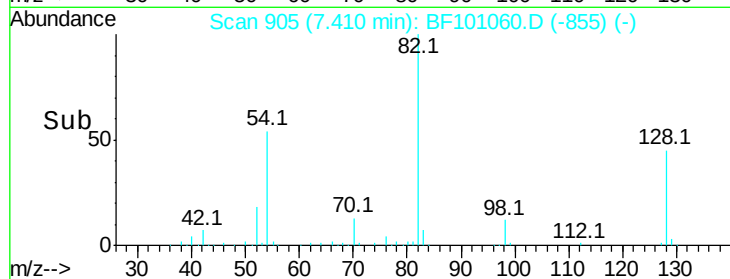
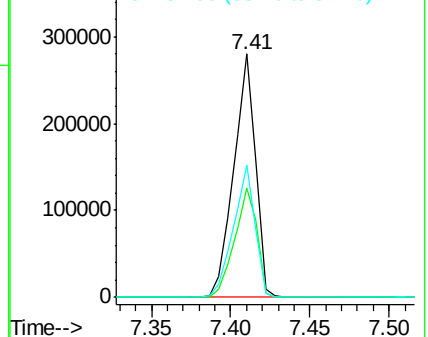
54 54.3 41.4 62.2



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: 45.928 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

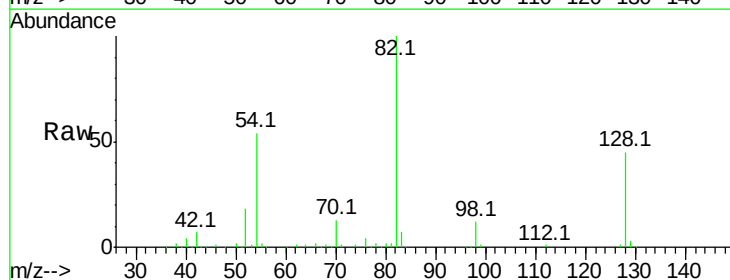
Tgt Ion: 82 Resp: 266520

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

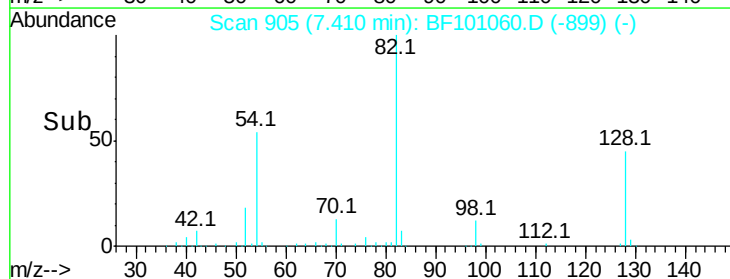
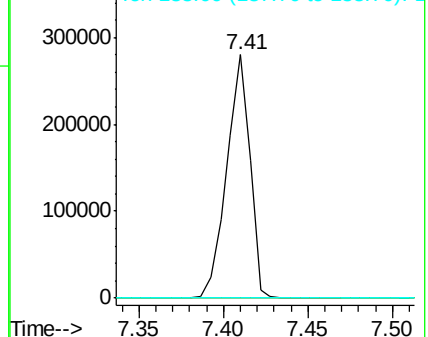
138 0.0 14.9 22.3#

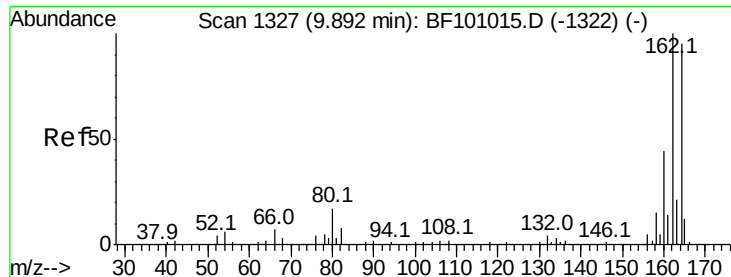


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

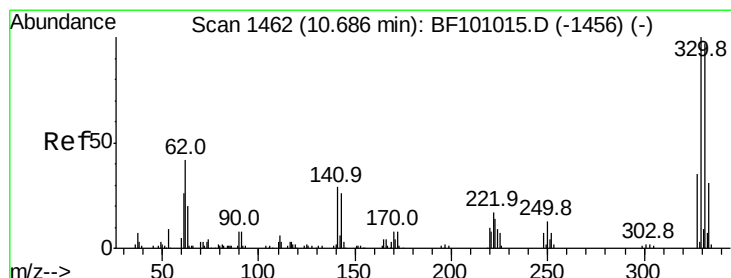
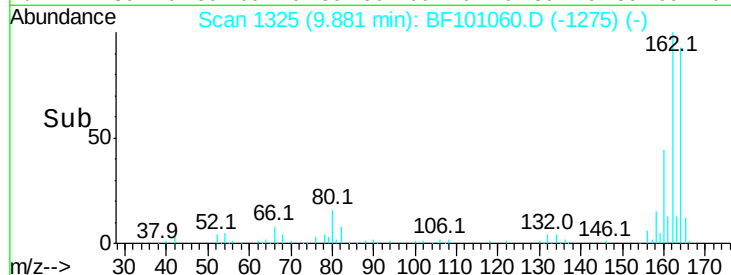
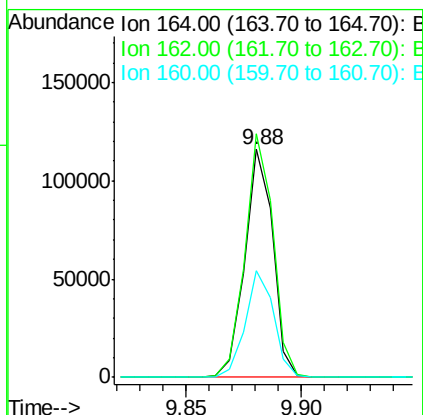
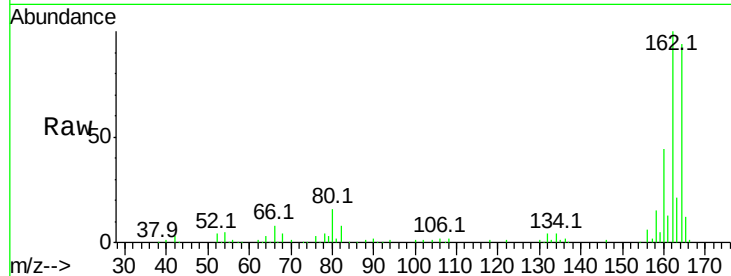




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

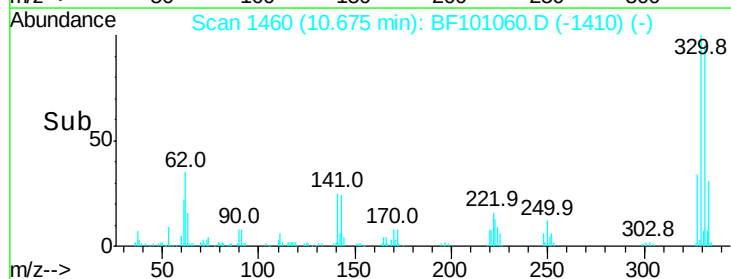
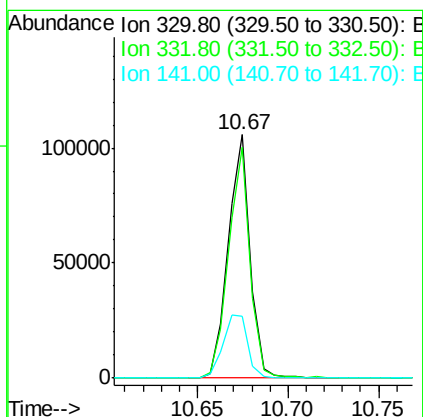
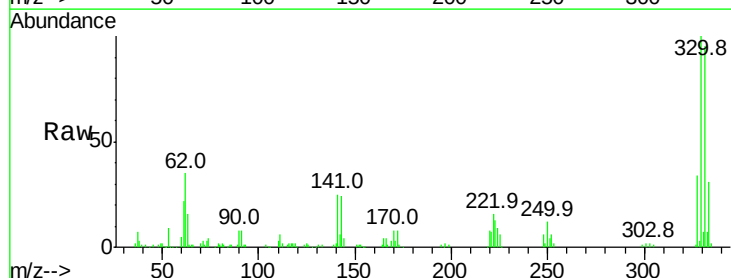
Instrument :  
BNA\_F  
ClientSampleId :  
PB104640BL

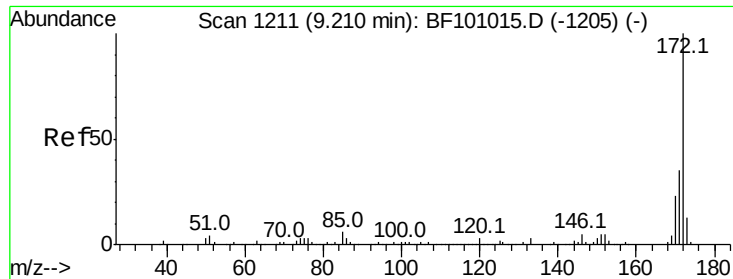
Tot Ion:164 Resp: 98412  
Ion Ratio Lower Upper  
164 100  
162 106.9 86.1 129.1  
160 46.6 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 75.152 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

Tgt Ion:330 Resp: 88845  
Ion Ratio Lower Upper  
330 100  
332 93.7 77.0 115.6  
141 29.1 29.9 44.9#

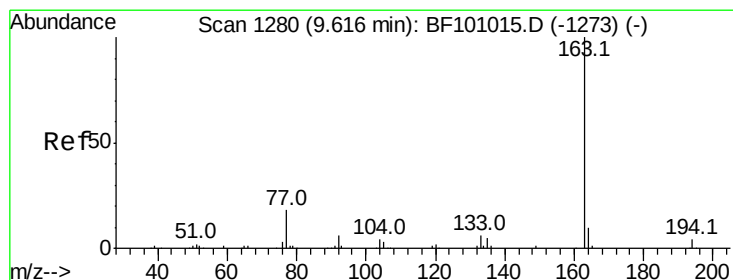
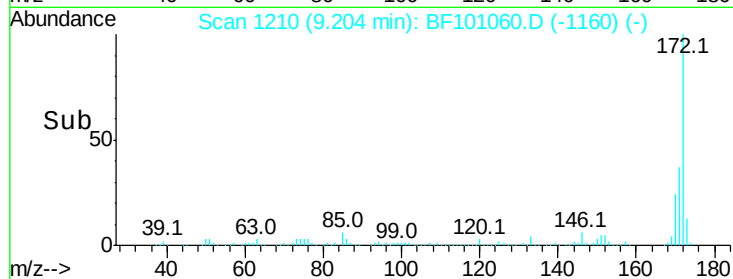
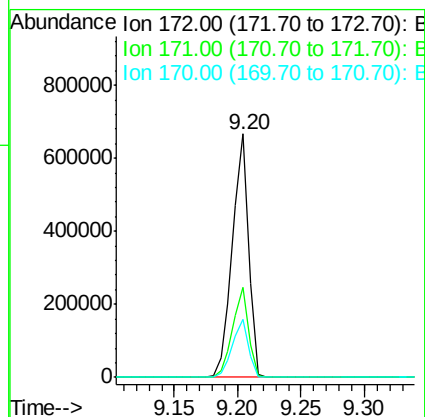
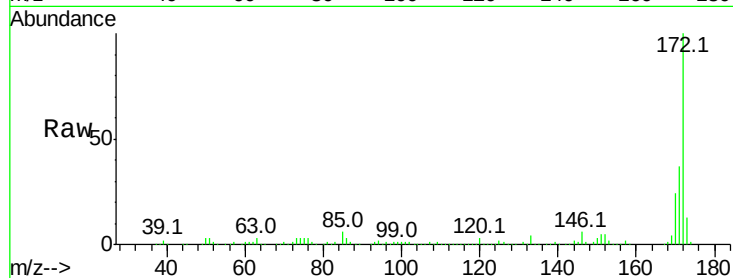




#44  
2-Fluorobiphenyl  
Concen: 81.984 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. -0.01 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

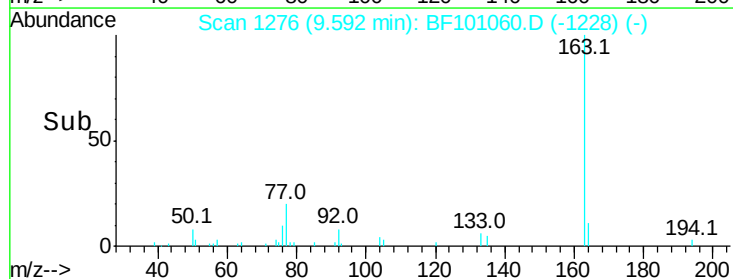
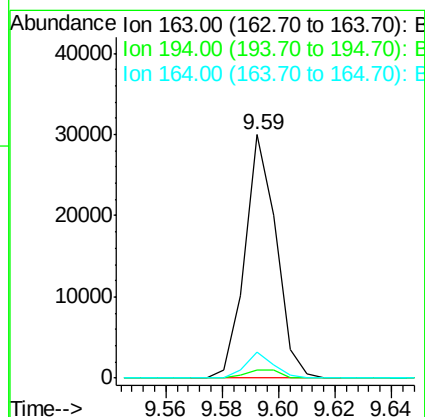
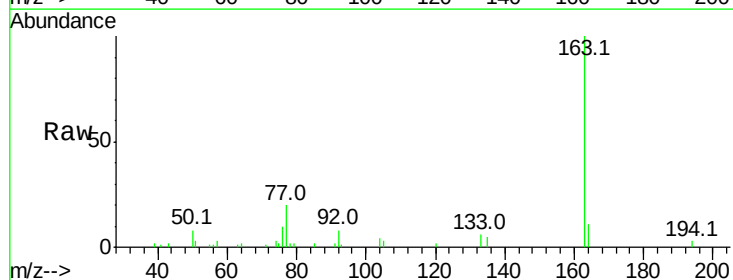
Instrument :  
BNA\_F  
ClientSampleId :  
PB104640BL

Tot Ion:172 Resp: 589699  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.7 44.5  
170 23.7 19.6 29.4

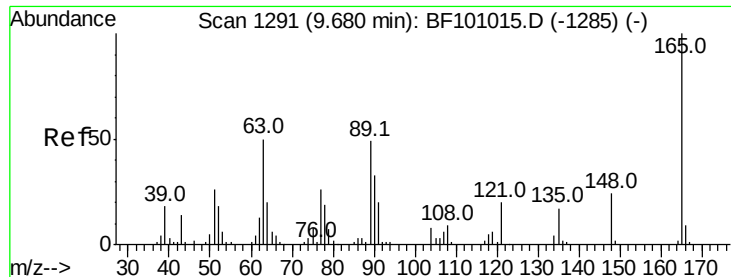


#49  
Dimethylphthalate  
Concen: 2.898 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.02 min  
Lab File: BF101060.D  
Acq: 1 Dec 2017 13:57

Tgt Ion:163 Resp: 23003  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.7 8.2 12.2



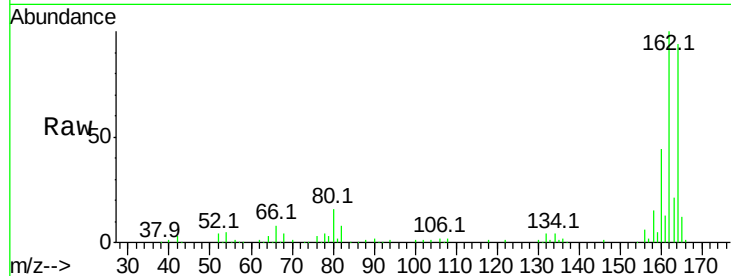




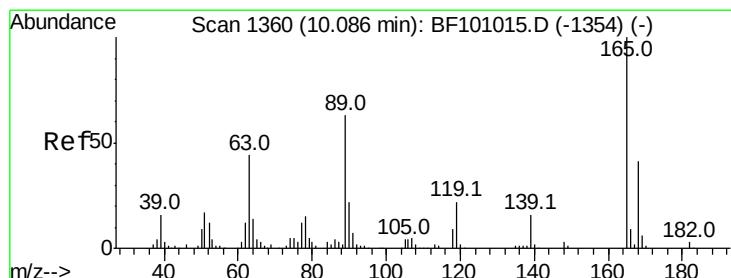
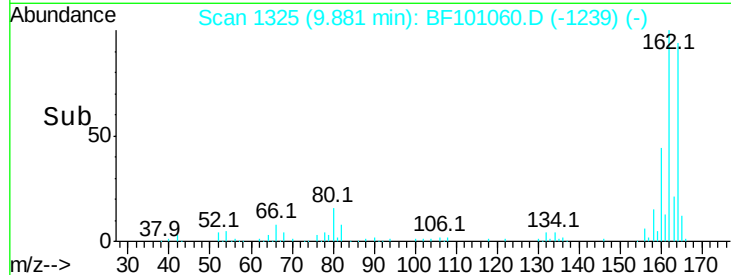
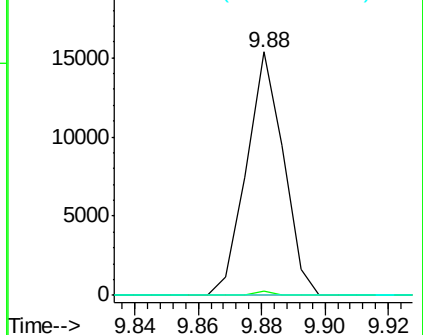
#50  
 2,6-Dinitrotoluene  
 Concen: 7.400 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. 0.21 min  
 Lab File: BF101060.D  
 Acq: 1 Dec 2017 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104640BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



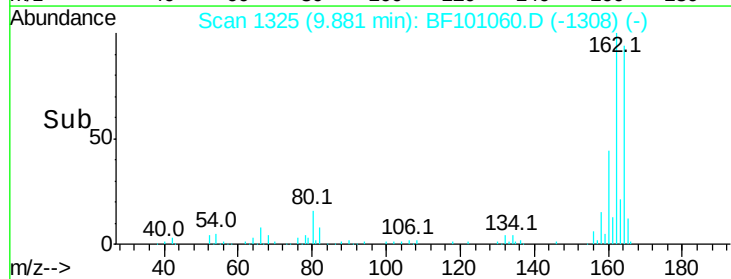
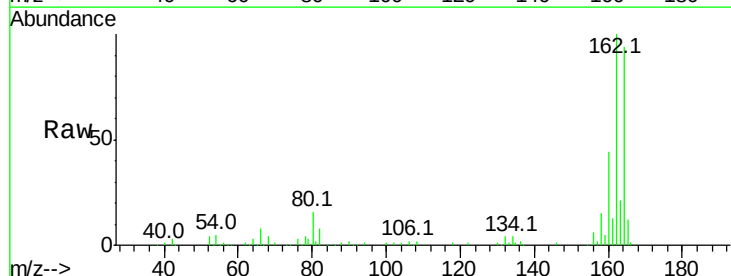
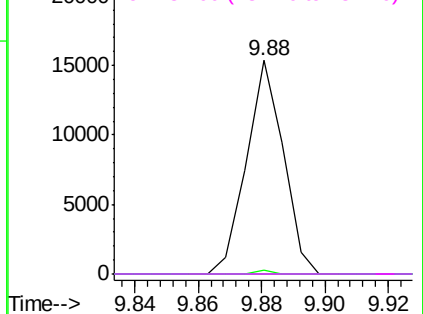
Abundance Ion 165.00 (164.70 to 165.70): E

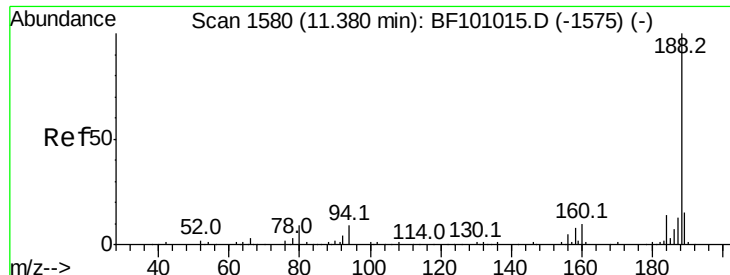


#56  
 2,4-Dinitrotoluene  
 Concen: 5.522 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.20 min  
 Lab File: BF101060.D  
 Acq: 1 Dec 2017 13:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

Abundance Ion 165.00 (164.70 to 165.70): E

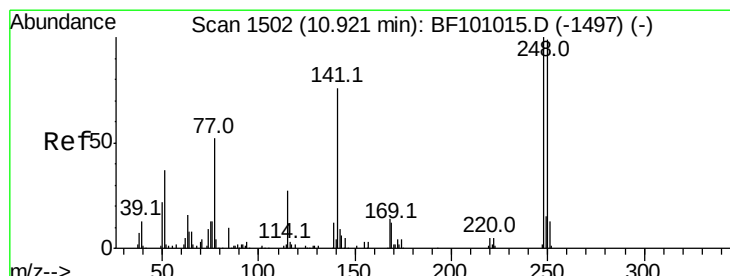
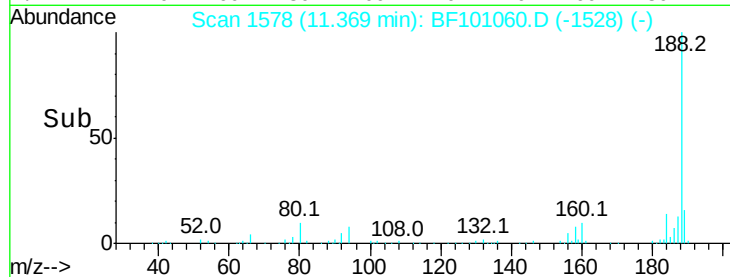
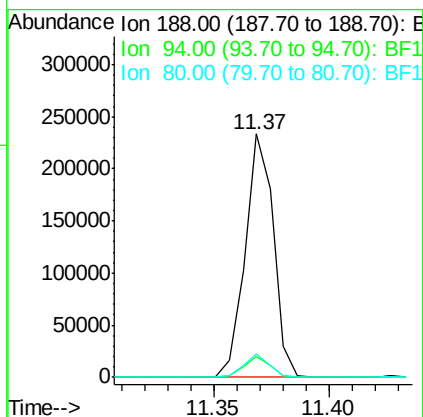
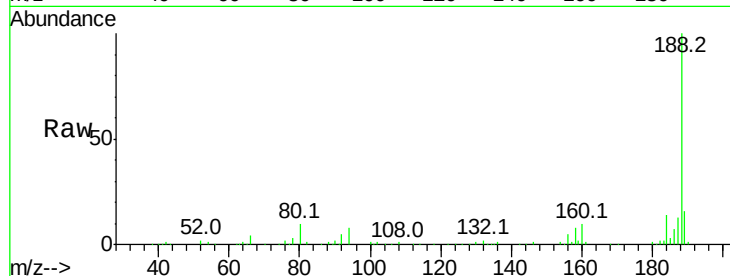




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF101060.D  
 Acq: 1 Dec 2017 13:57

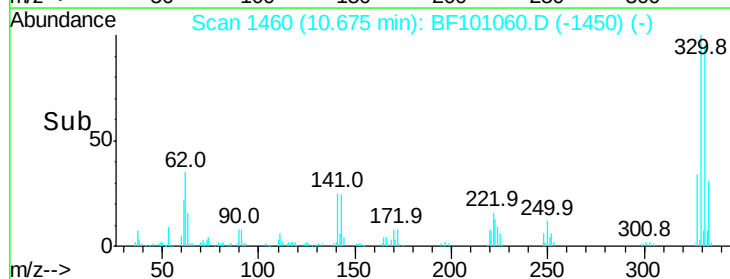
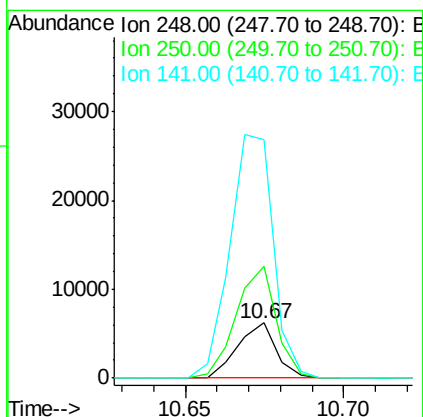
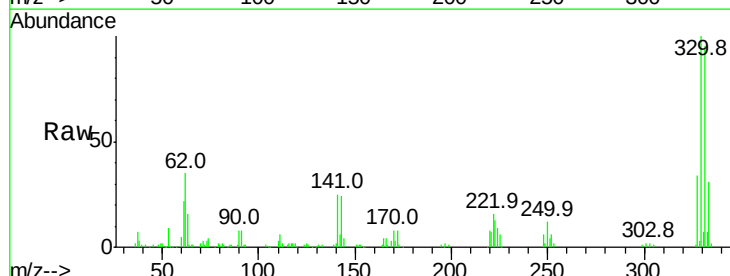
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104640BL

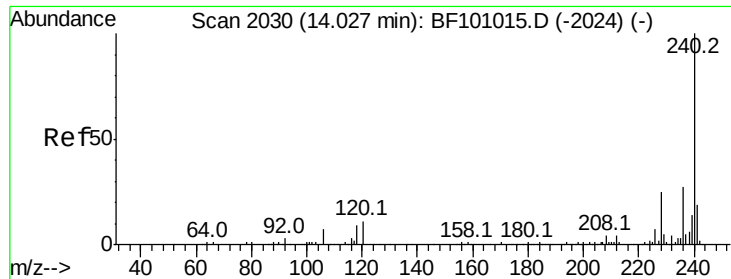
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 8.5   | 12.7# |
| 80      | 9.7   | 9.2   | 13.8  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.314 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.24 min  
 Lab File: BF101060.D  
 Acq: 1 Dec 2017 13:57

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 201.8 | 76.9  | 115.3# |
| 141     | 430.6 | 74.4  | 111.6# |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

Instrument :

BNA\_F

ClientSampleId :

PB104640BL

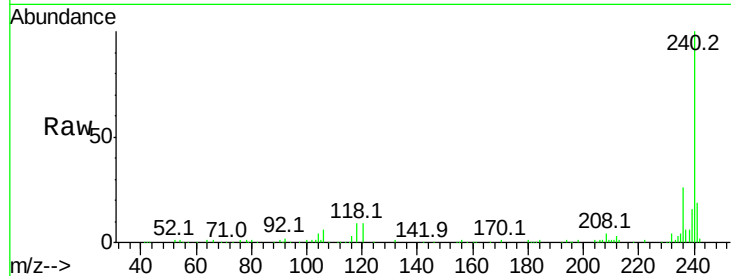
Tot Ion:240 Resp: 169698

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

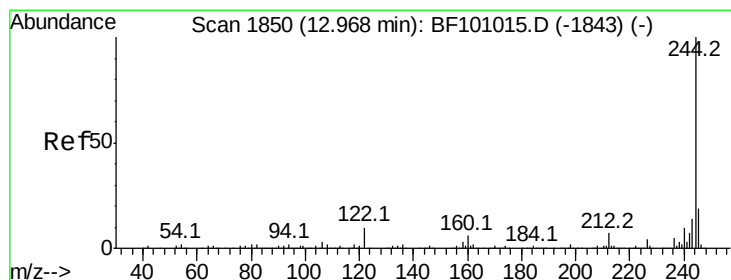
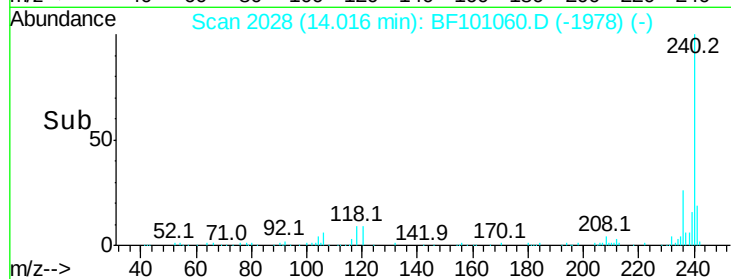
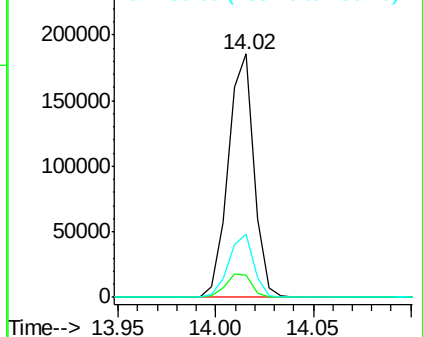
236 25.9 20.7 31.1



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: 88.986 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101060.D

Acq: 1 Dec 2017 13:57

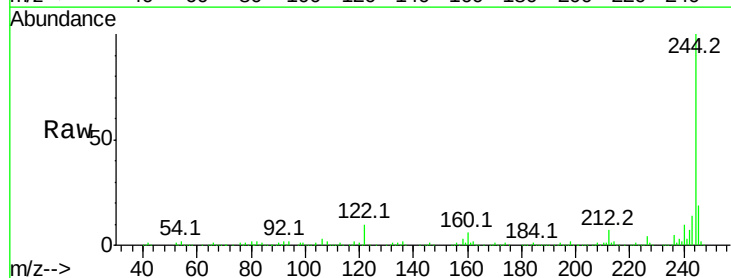
Tgt Ion:244 Resp: 690397

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

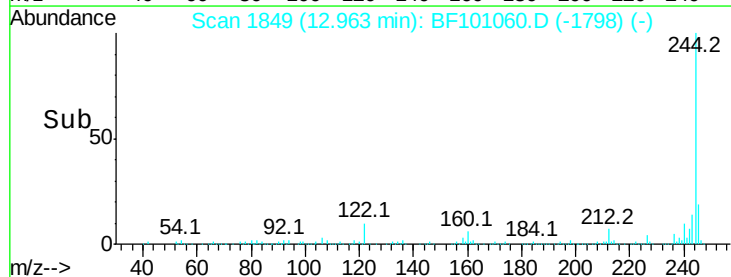
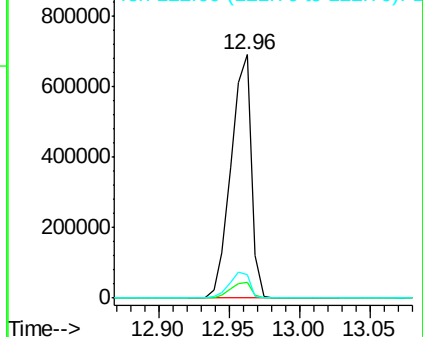
122 9.7 11.0 16.4#

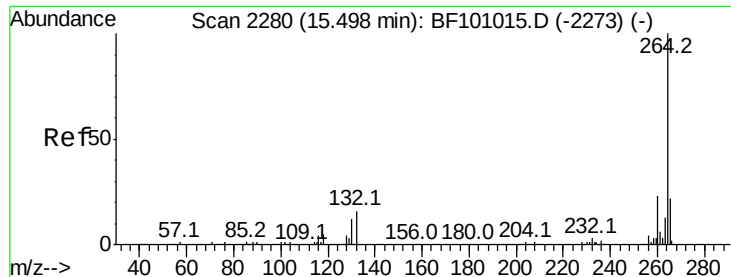


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

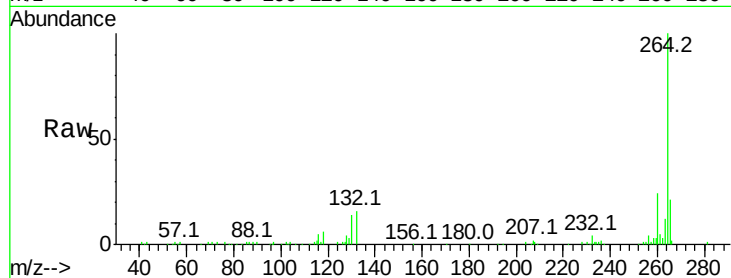




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2277  
 Delta R.T. -0.01 min  
 Lab File: BF101060.D  
 Acq: 1 Dec 2017 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104640BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.0  | 17.5  | 26.3  |



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

