

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\  
 Data File : BF101070.D  
 Acq On : 1 Dec 2017 18:24  
 Operator : SJ/JU  
 Sample : I6630-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P004-S002-0001-01

Quant Time: Dec 01 21:52:00 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 15:52:19 2017  
 Response via : Initial Calibration

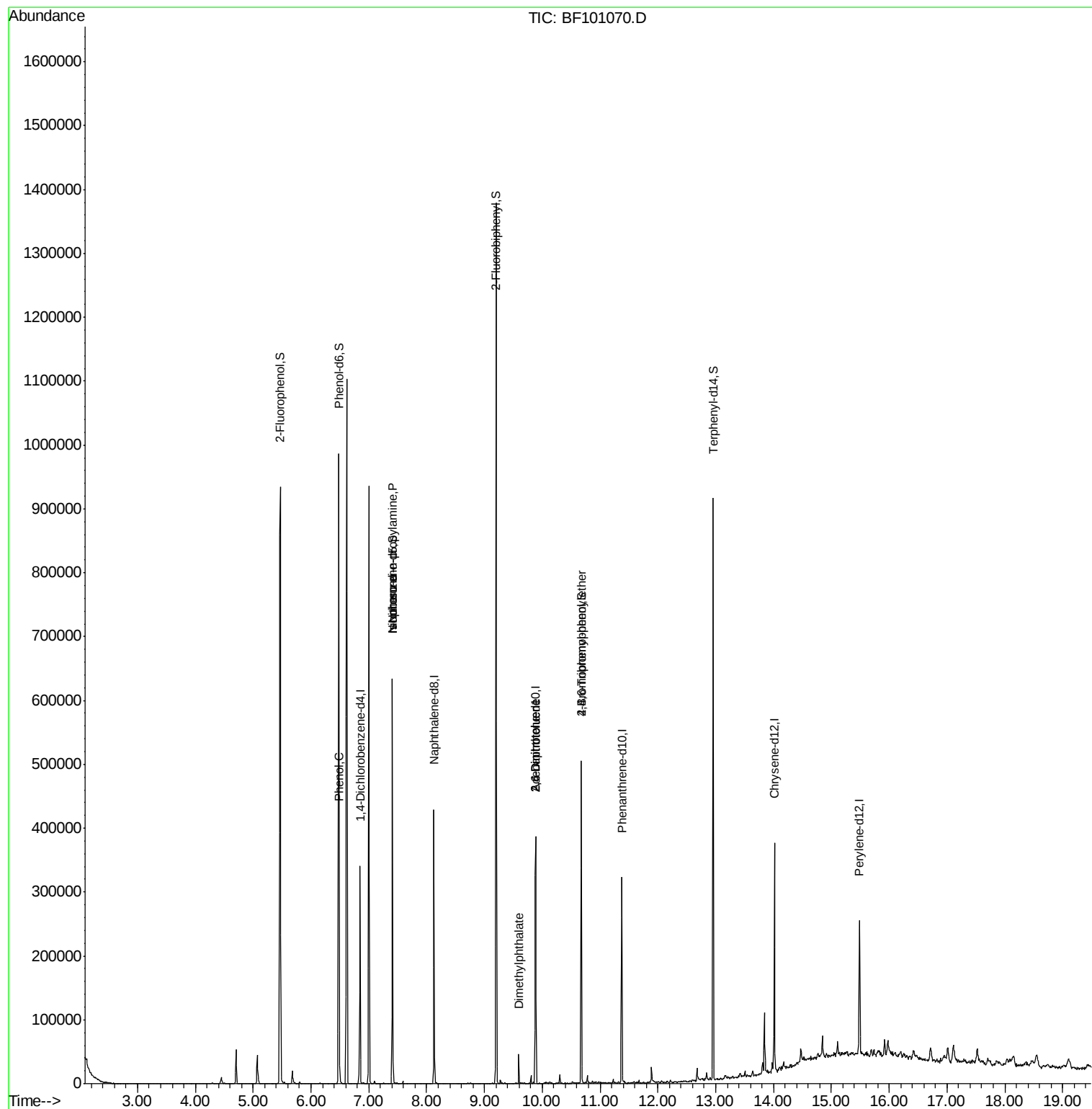
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 48013    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 179673   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 73965    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.37 | 188  | 115225   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 113349   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 94151    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 266396   | 91.68  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 313151   | 88.77  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 189420   | 62.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 58127    | 65.42  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 392494   | 72.60  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 284807   | 54.96  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.49  | 94   | 12865    | 3.280  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 24190    | 10.182 | ng    | # 83     |
| 25) Isophorone                 | 7.41  | 82   | 189451   | 36.824 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.59  | 163  | 18739    | 3.141  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 9306     | 7.407  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 9306     | 5.527  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 3740     | 2.900  | ng    | # 1      |

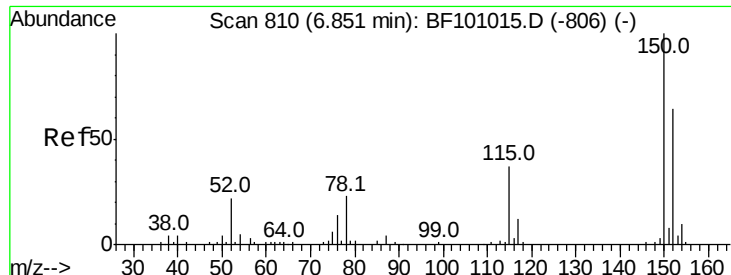
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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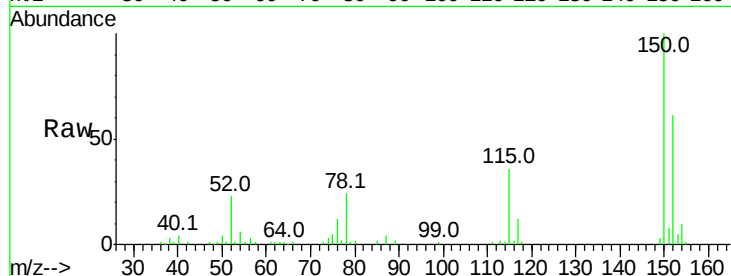


#1

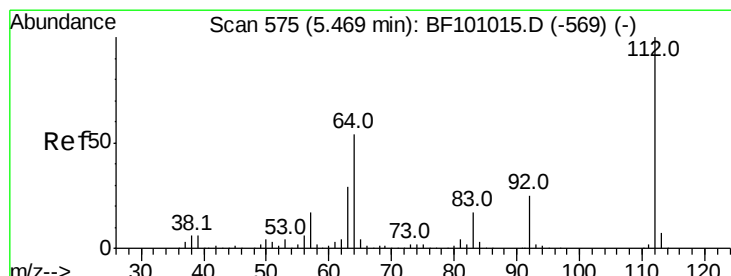
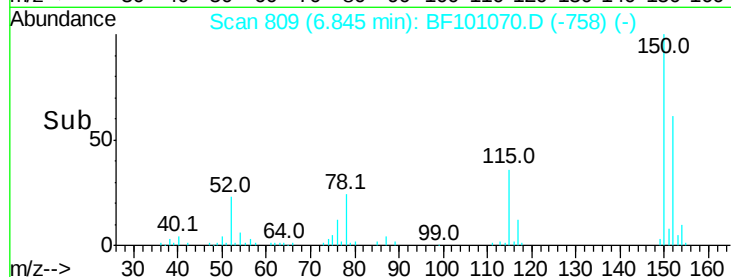
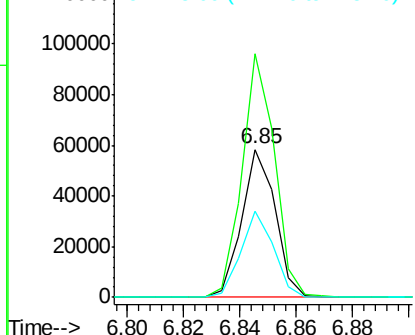
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
P004-S002-0001-01

Tot Ion:152 Resp: 48013  
Ion Ratio Lower Upper  
152 100  
150 164.3 124.6 186.8  
115 58.5 50.1 75.1



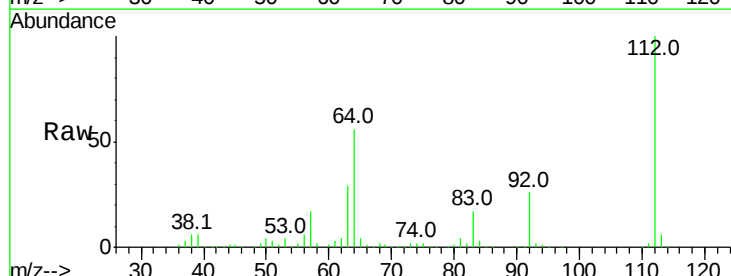
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



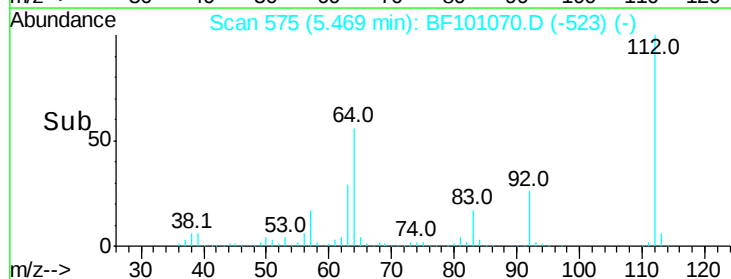
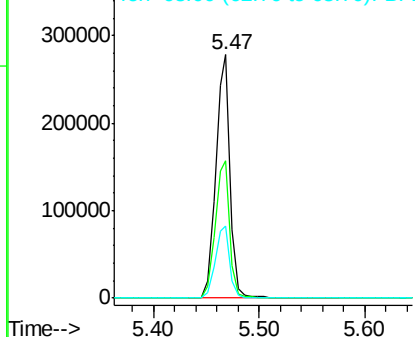
#5

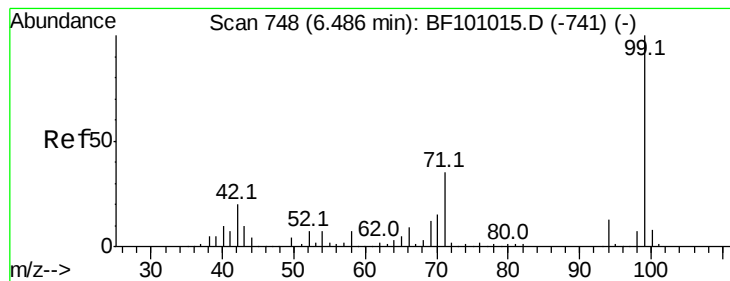
2-Fluorophenol  
Concen: 91.684 ng  
RT: 5.47 min Scan# 575  
Delta R.T. 0.01 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

Tgt Ion:112 Resp: 266396  
Ion Ratio Lower Upper  
112 100  
64 56.5 47.9 71.9  
63 29.4 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: 88.770 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101070.D

Acq: 1 Dec 2017 18:24

Instrument :

BNA\_F

ClientSampleId :

P004-S002-0001-01

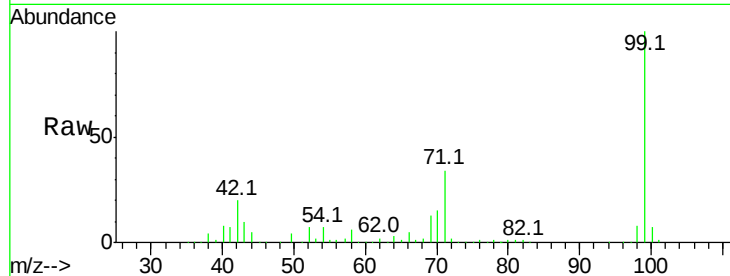
Tot Ion: 99 Resp: 313151

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

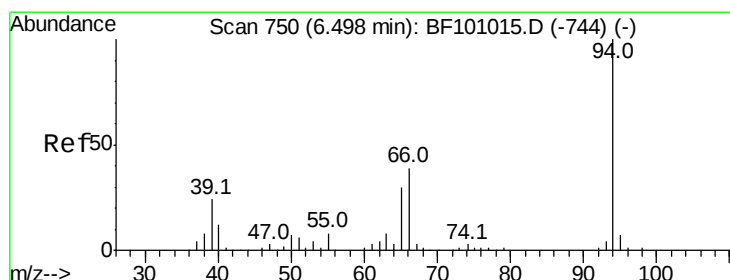
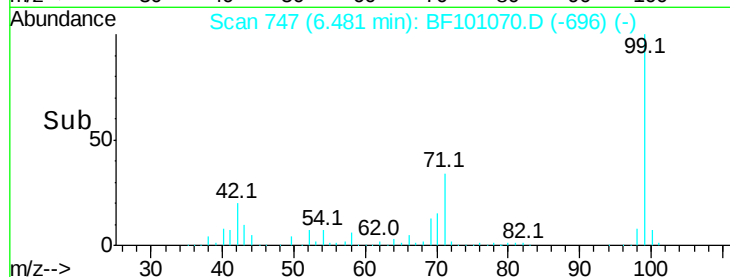
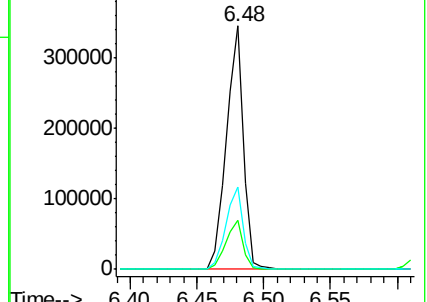
71 33.8 25.4 38.0



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



#10

Phenol

Concen: 3.280 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101070.D

Acq: 1 Dec 2017 18:24

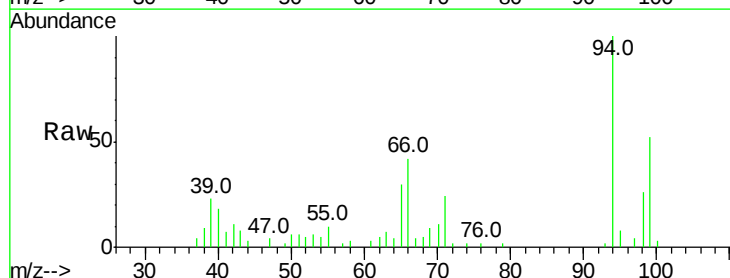
Tgt Ion: 94 Resp: 12865

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

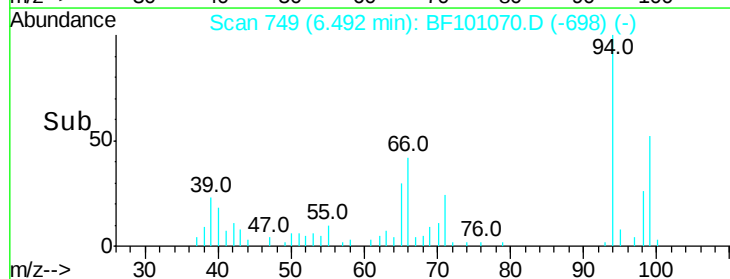
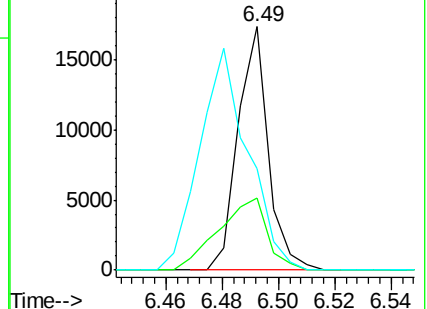
66 41.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

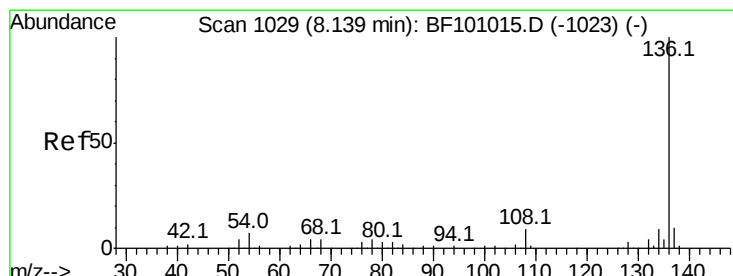
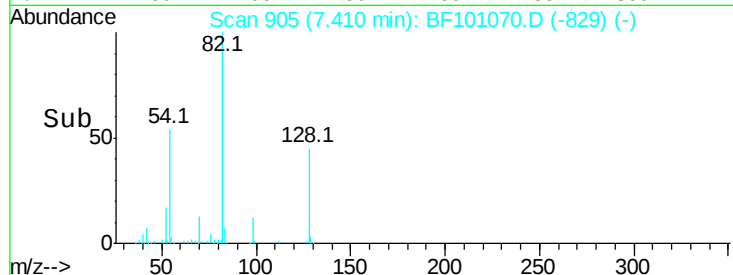
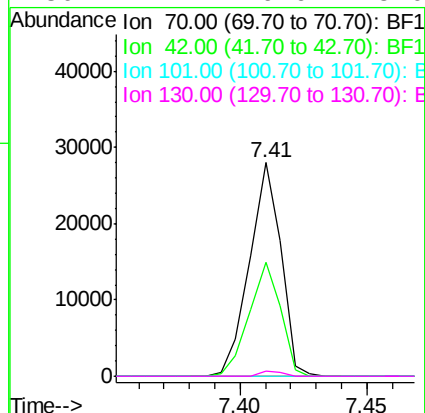
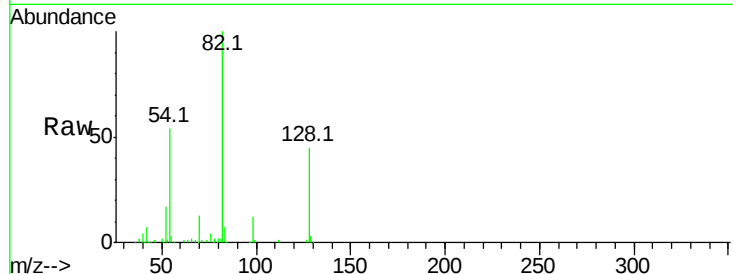




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.182 ng  
RT: 7.41 min Scan# 905  
Delta R.T. 0.15 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

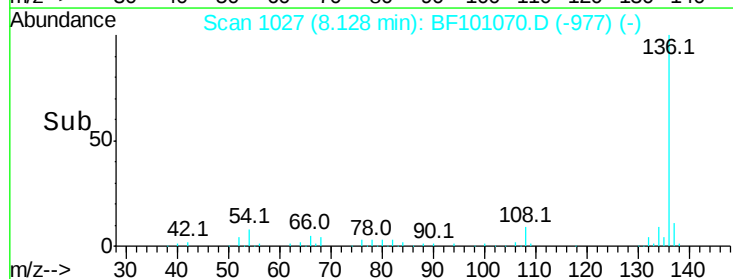
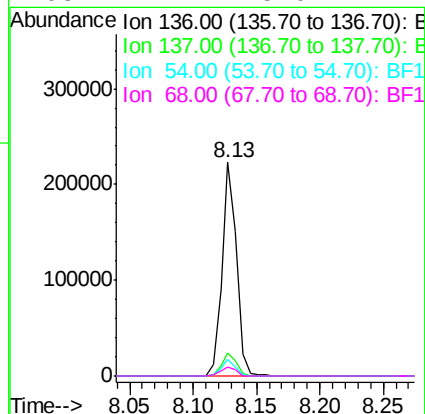
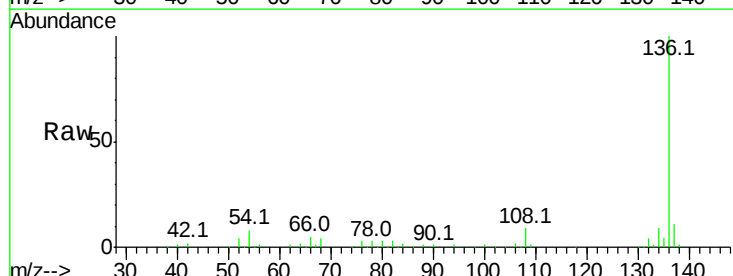
Instrument :  
BNA\_F  
ClientSampleId :  
P004-S002-0001-01

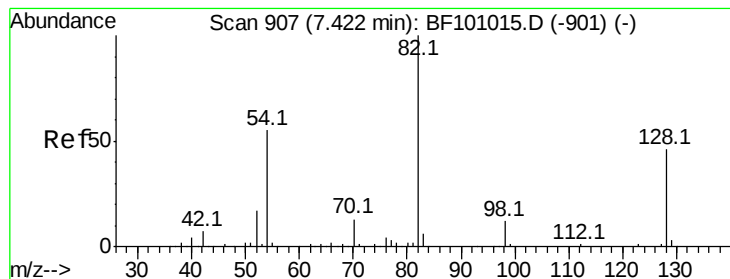
Tot Ion: 70 Resp: 24190  
Ion Ratio Lower Upper  
70 100  
42 53.6 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

Tgt Ion:136 Resp: 179673  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.8 6.6 9.8  
68 4.4 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 62.889 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101070.D

Acq: 1 Dec 2017 18:24

Instrument :

BNA\_F

ClientSampleId :

P004-S002-0001-01

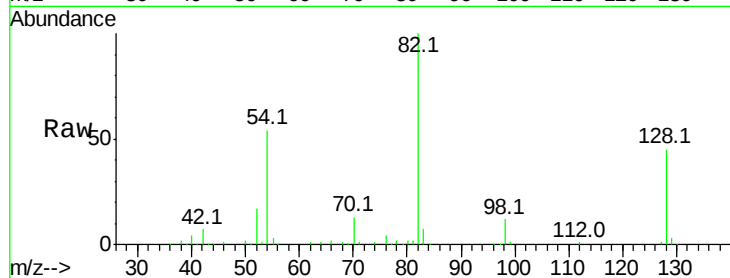
Tot Ion: 82 Resp: 189420

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

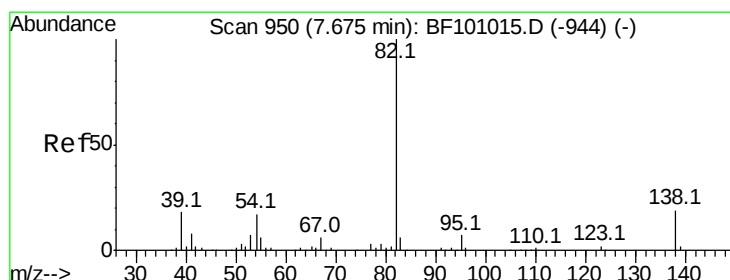
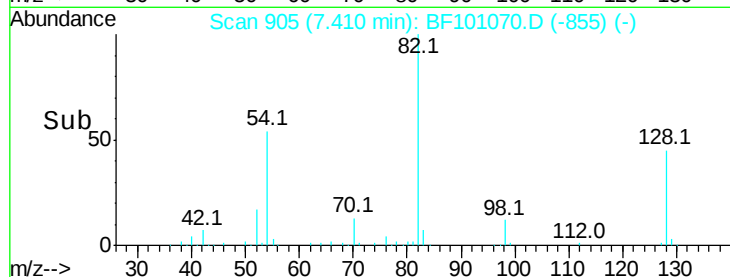
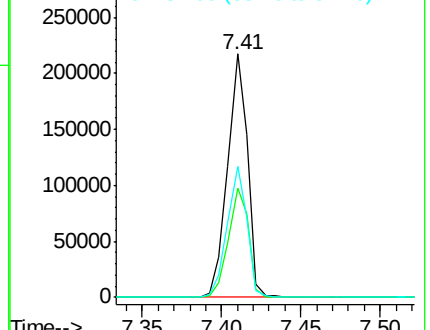
54 53.7 41.4 62.2



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: 36.824 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101070.D

Acq: 1 Dec 2017 18:24

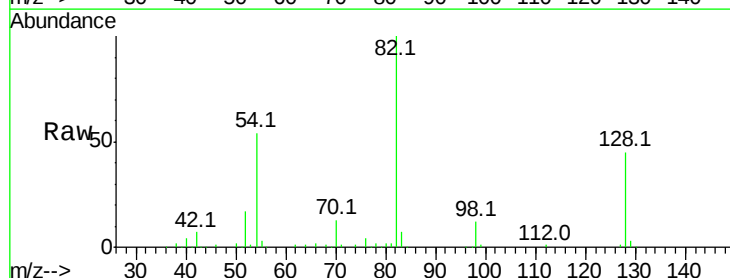
Tgt Ion: 82 Resp: 189451

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

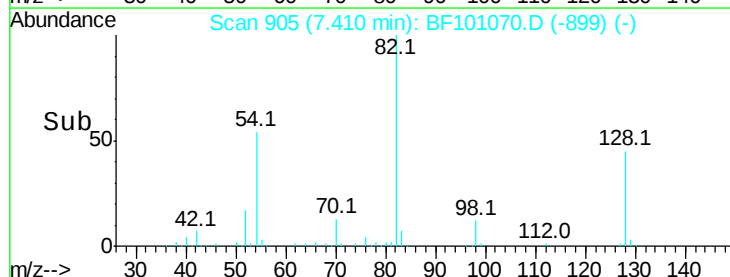
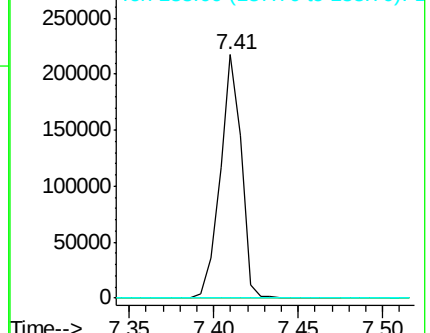
138 0.0 14.9 22.3#

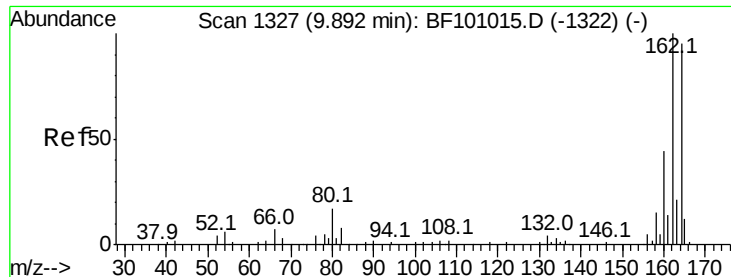


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

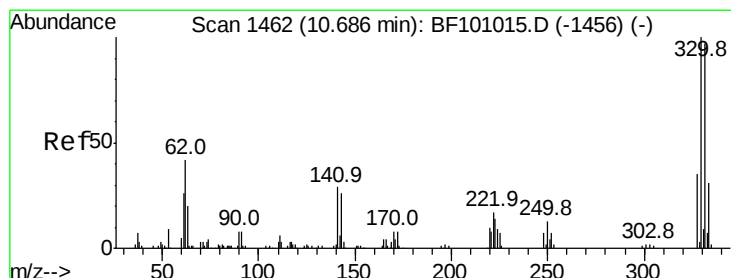
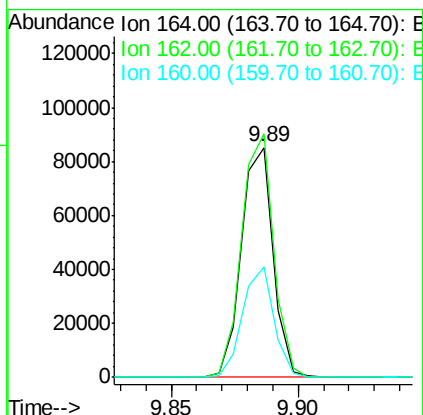
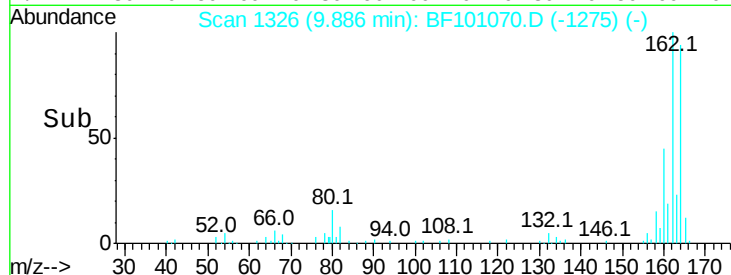
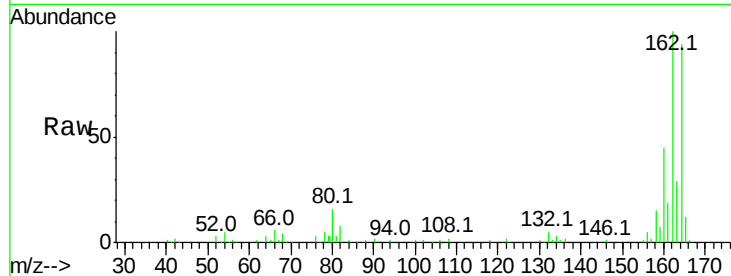




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

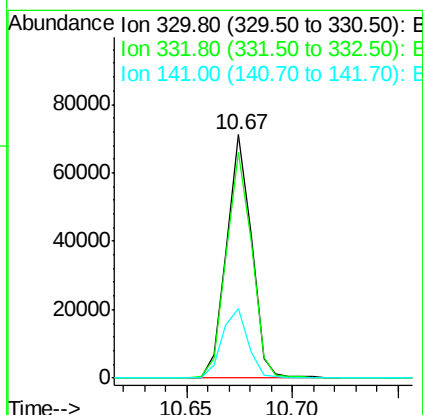
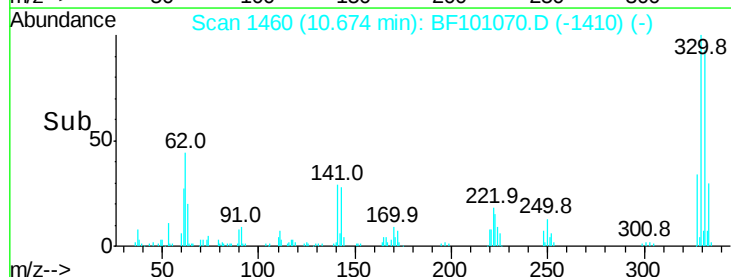
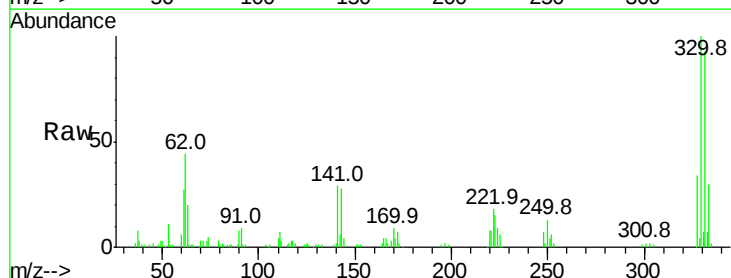
Instrument :  
BNA\_F  
ClientSampleId :  
P004-S002-0001-01

Tot Ion:164 Resp: 73965  
Ion Ratio Lower Upper  
164 100  
162 105.9 86.1 129.1  
160 47.9 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 65.419 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.01 min  
Lab File: BF101070.D  
Acq: 1 Dec 2017 18:24

Tgt Ion:330 Resp: 58127  
Ion Ratio Lower Upper  
330 100  
332 94.1 77.0 115.6  
141 29.6 29.9 44.9#

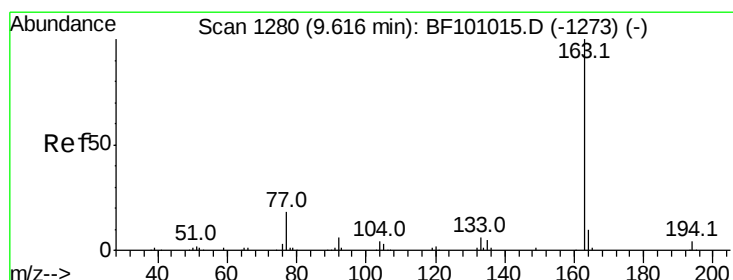
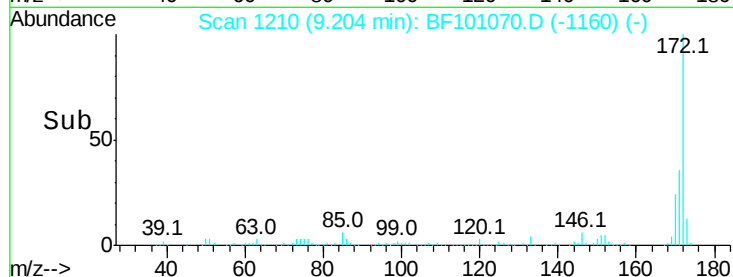
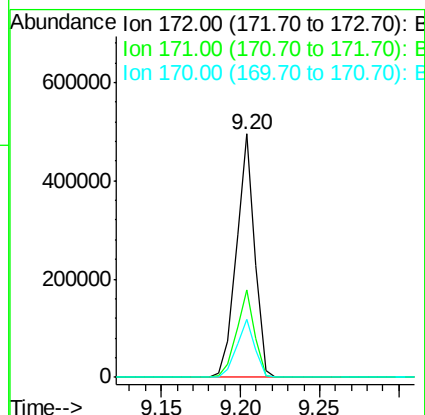
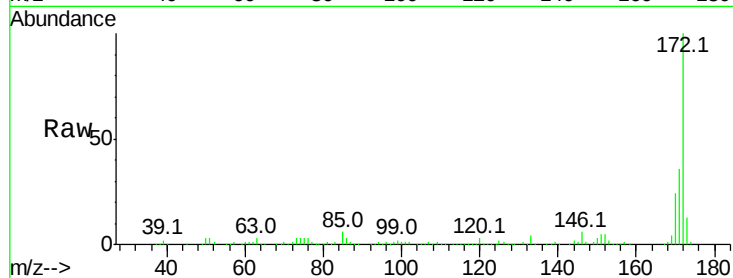




#44  
 2-Fluorobiphenyl  
 Concen: 72.603 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

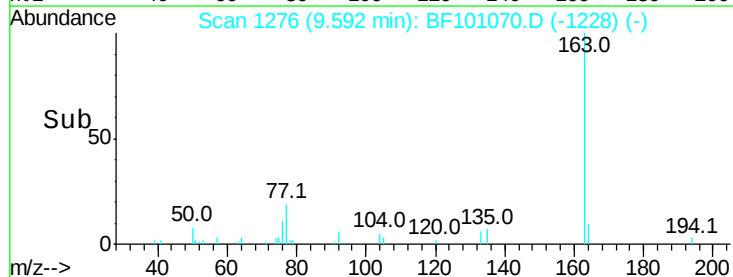
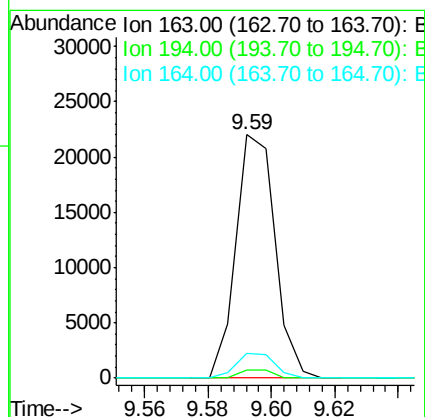
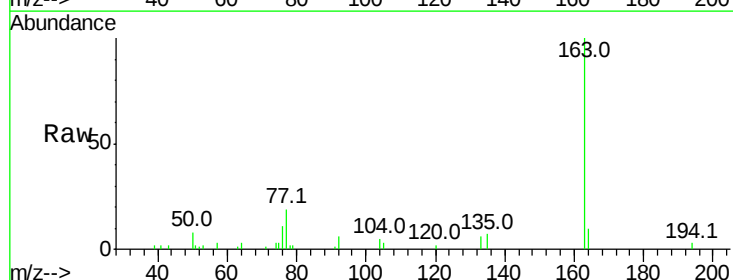
Instrument :  
 BNA\_F  
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 P004-S002-0001-01

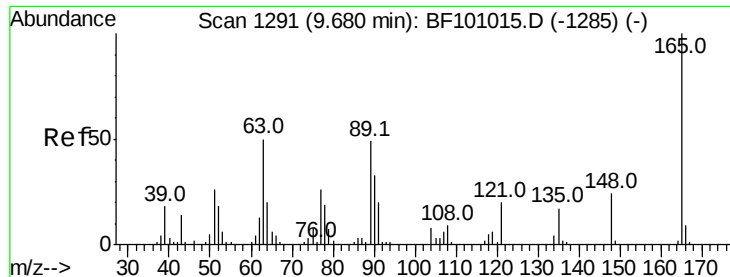
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |



#49  
 Dimethylphthalate  
 Concen: 3.141 ng  
 RT: 9.59 min Scan# 1276  
 Delta R.T. -0.02 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.7   | 4.1   |
| 164     | 10.3  | 8.2   | 12.2  |

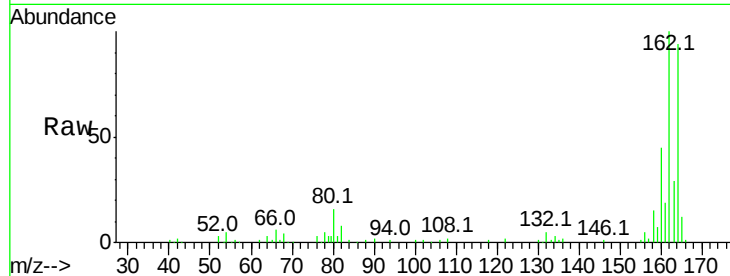




#50  
 2,6-Dinitrotoluene  
 Concen: 7.407 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. 0.21 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P004-S002-0001-01

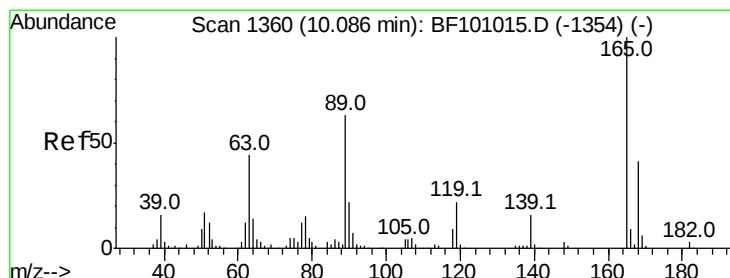
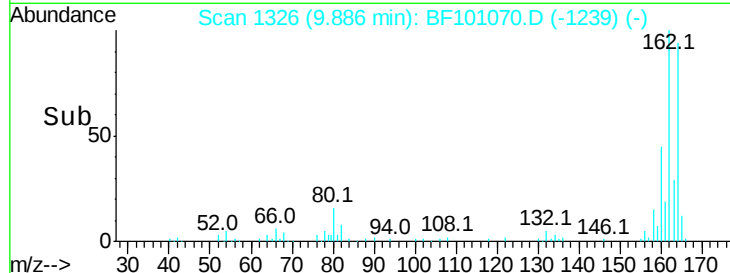
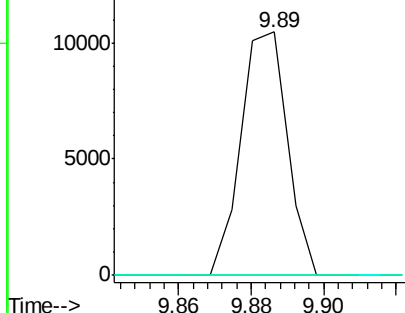
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56  
 2,4-Dinitrotoluene  
 Concen: 5.527 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.19 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

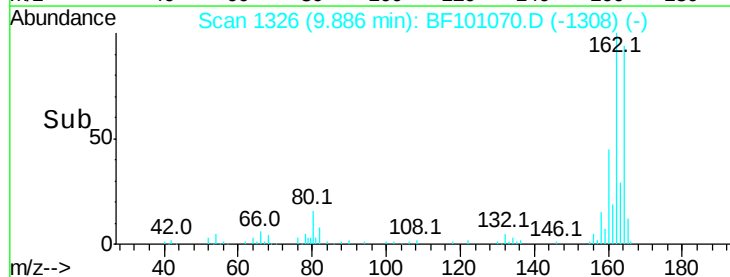
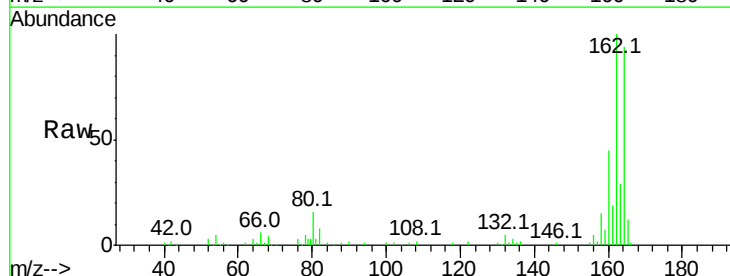
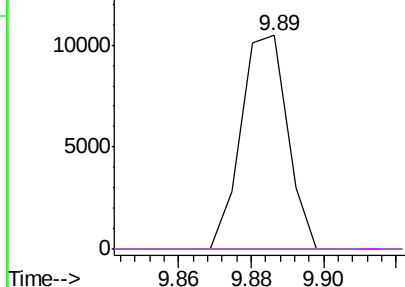
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

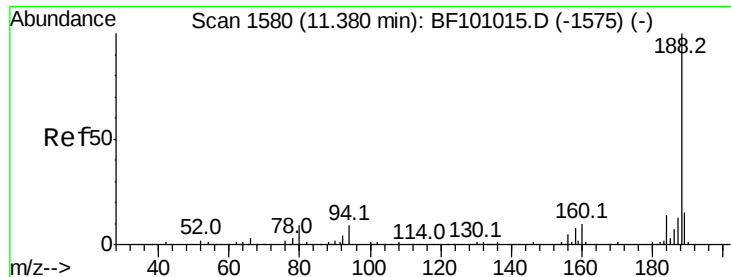
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

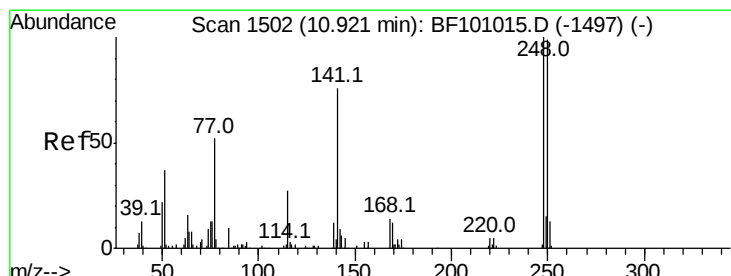
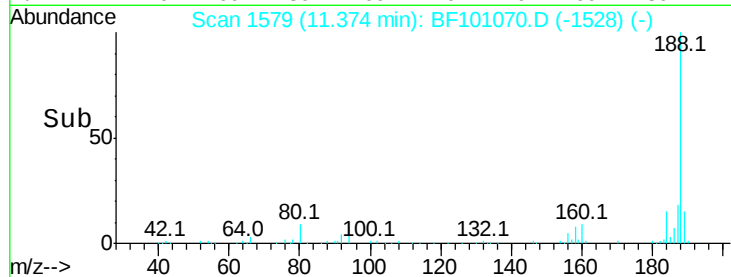
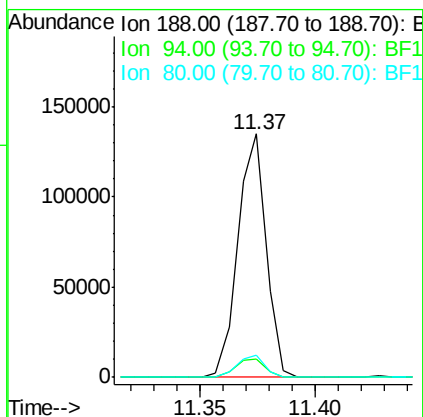
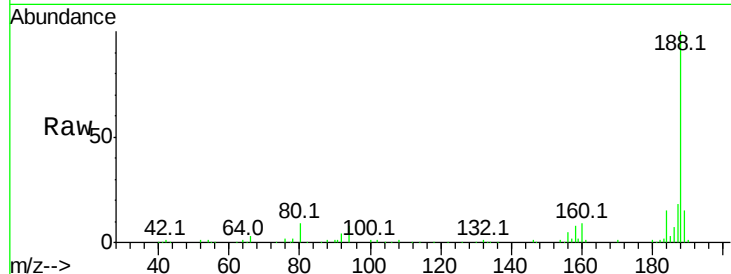




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. 0.00 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

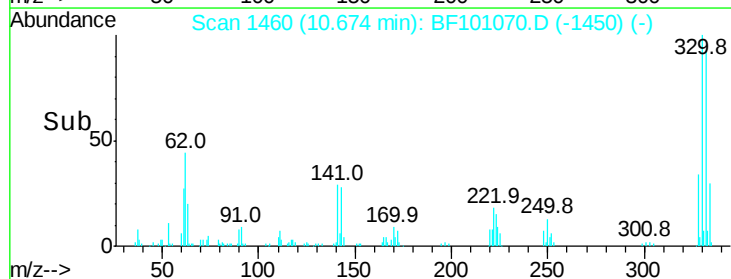
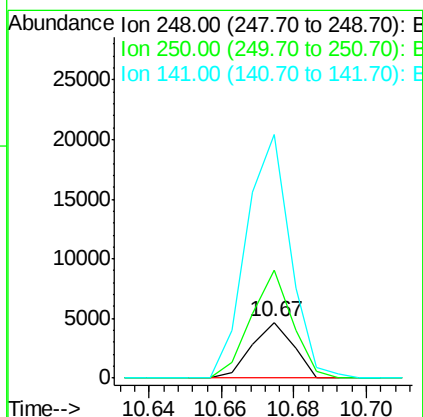
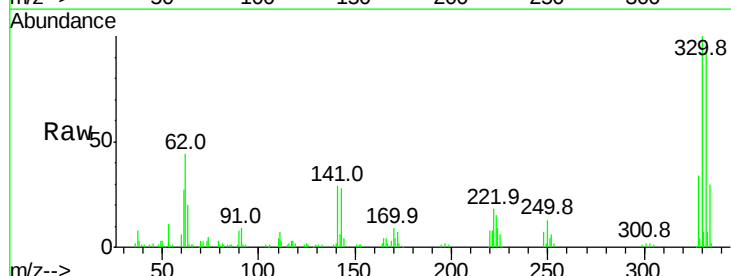
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P004-S002-0001-01

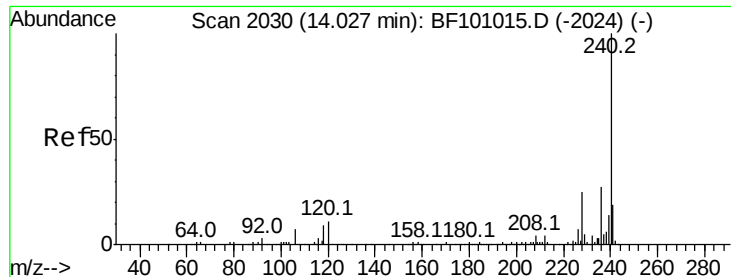
Tot Ion:188 Resp: 115225  
 Ion Ratio Lower Upper  
 188 100  
 94 7.6 8.5 12.7#  
 80 9.0 9.2 13.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.900 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.24 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

Tgt Ion:248 Resp: 3740  
 Ion Ratio Lower Upper  
 248 100  
 250 192.6 76.9 115.3#  
 141 436.8 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: BF101070.D

Acq: 1 Dec 2017 18:24

Instrument :

BNA\_F

ClientSampleId :

P004-S002-0001-01

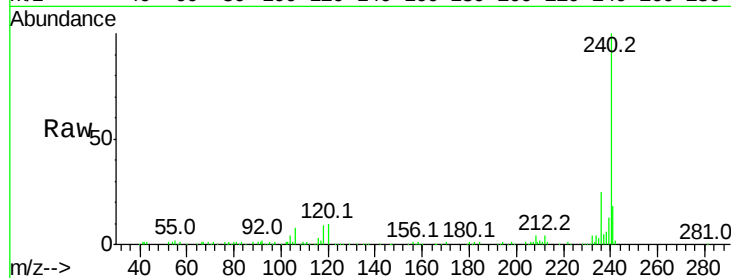
Tot Ion:240 Resp: 113349

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

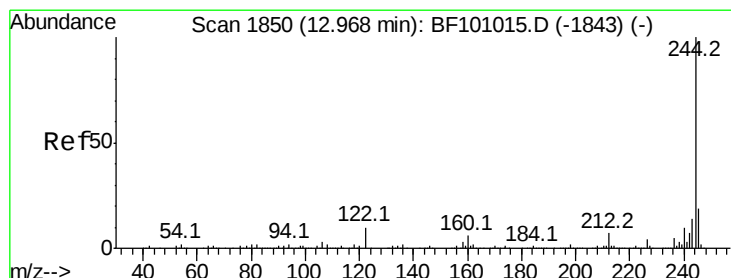
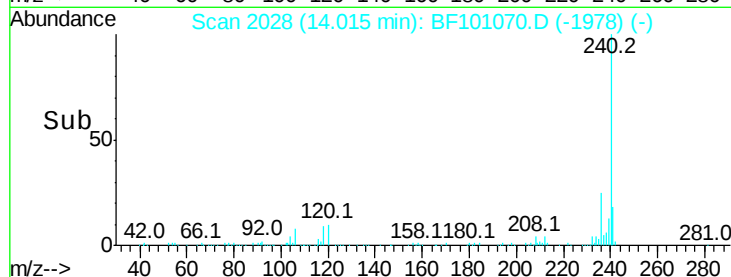
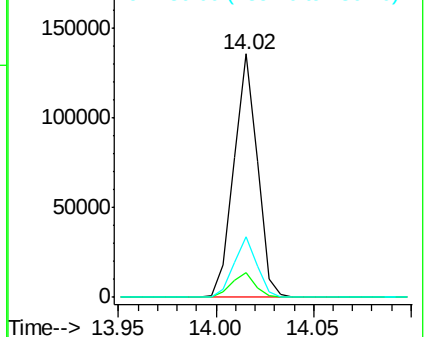
236 24.9 20.7 31.1



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: 54.958 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101070.D

Acq: 1 Dec 2017 18:24

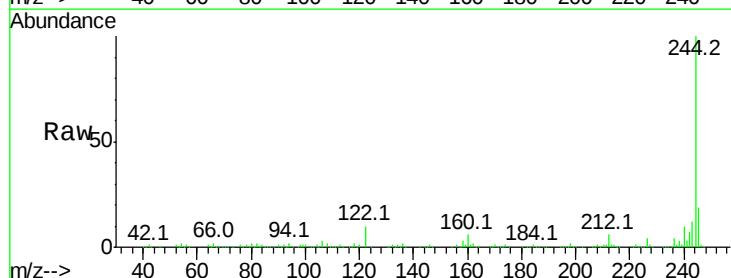
Tgt Ion:244 Resp: 284807

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

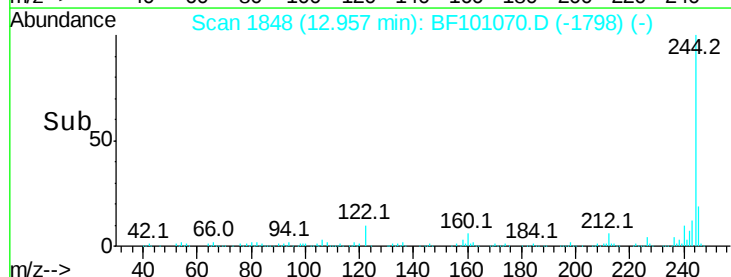
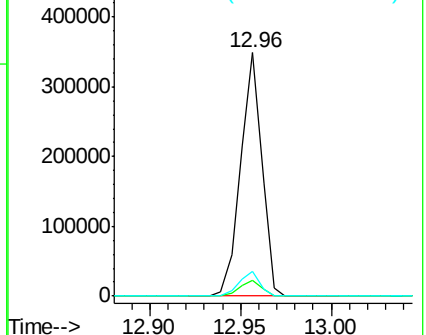
122 10.0 11.0 16.4#

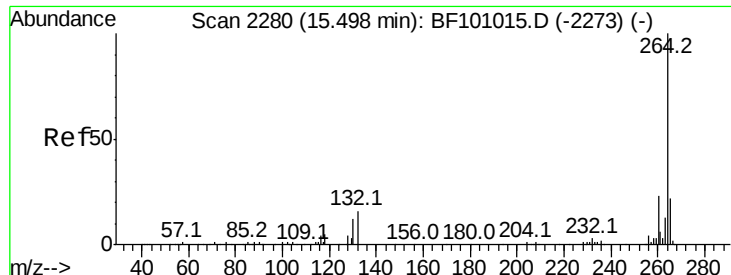


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

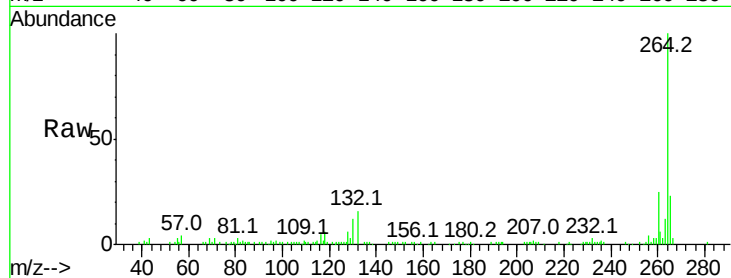




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. -0.01 min  
 Lab File: BF101070.D  
 Acq: 1 Dec 2017 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P004-S002-0001-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 94151 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.9  | 19.2  | 28.8  |
| 265      | 23.0  | 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

