

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\  
 Data File : BF104080.D  
 Acq On : 30 Mar 2018 5:17  
 Operator : JU/SJ  
 Sample : J2092-01  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 30 06:55:04 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 13:41:47 2018  
 Response via : Initial Calibration

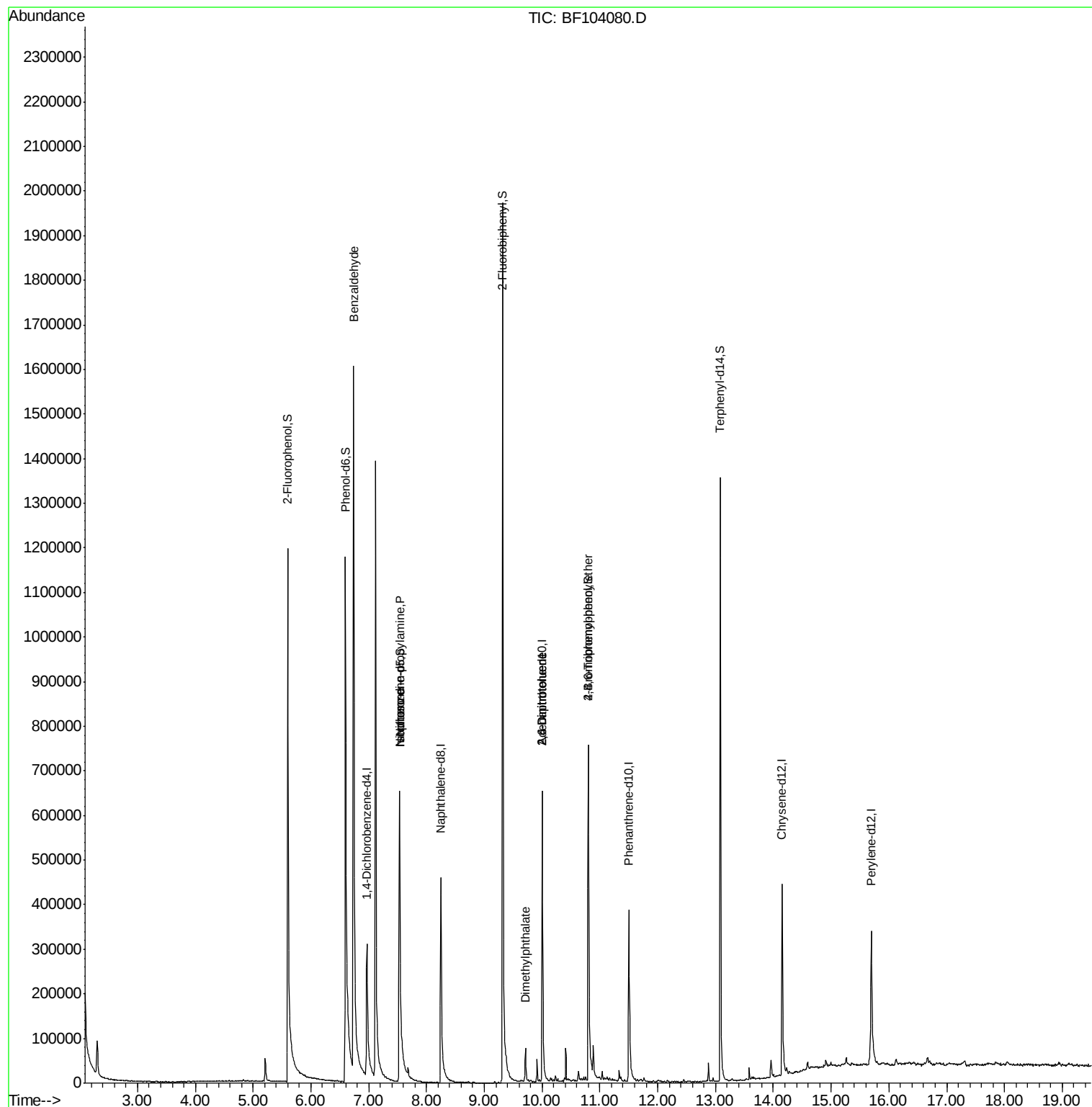
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 97672    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 396595   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 165640   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 242338   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.16 | 240  | 218363   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.70 | 264  | 204696   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 596566   | 97.40  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 806887   | 107.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 471173   | 72.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 143786   | 77.96  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 846052   | 80.55  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 558794   | 59.09  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 13531    | 2.223  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 54730    | 12.239 | ng    | # 73     |
| 25) Isophorone                 | 7.53  | 82   | 471887   | 39.484 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 50027    | 3.825  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 20613    | 7.326  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 20750    | 5.780  | ng    | # 24     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 8570     | 3.305  | ng    | # 1      |

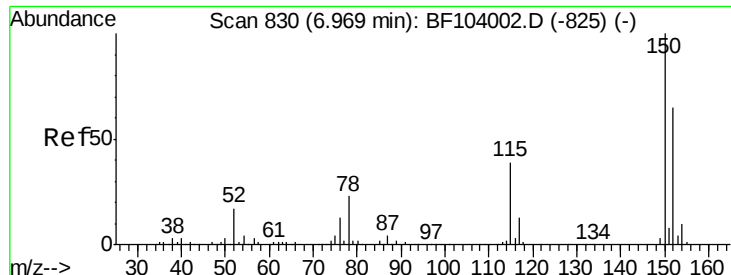
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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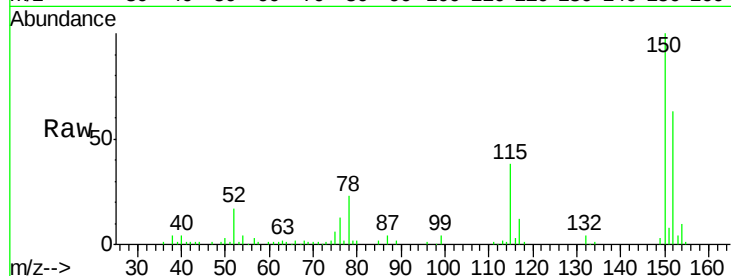


#1

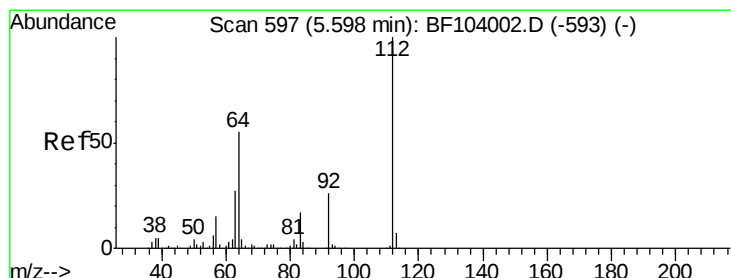
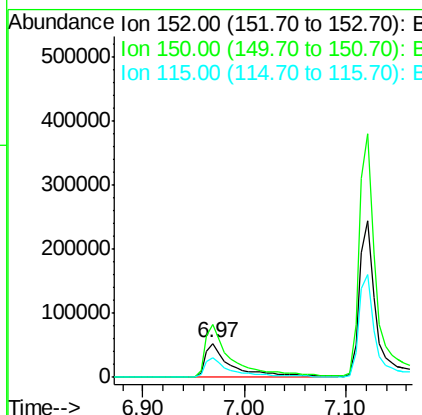
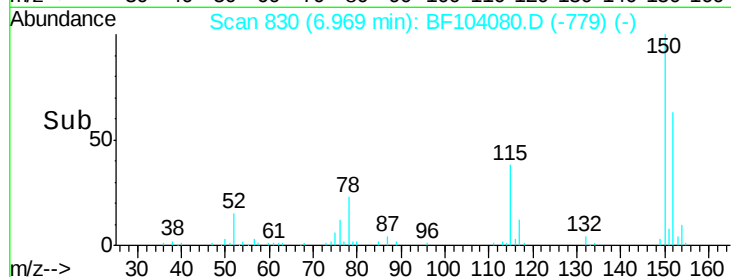
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 97672  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.6 186.8  
115 59.8 50.1 75.1



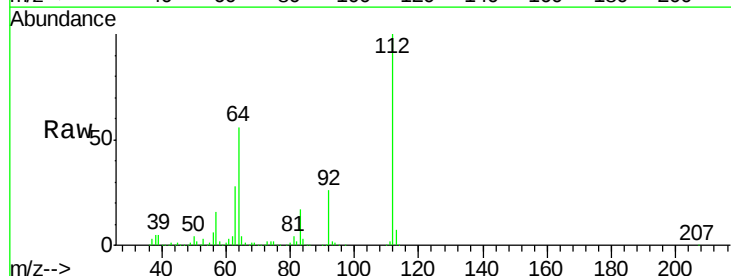
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



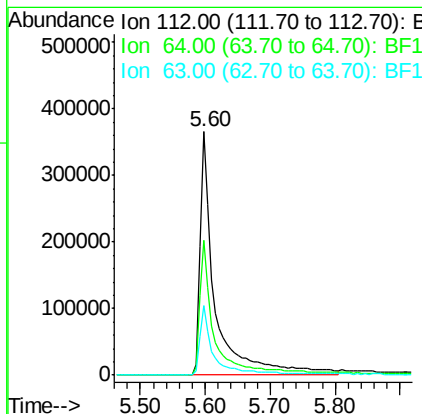
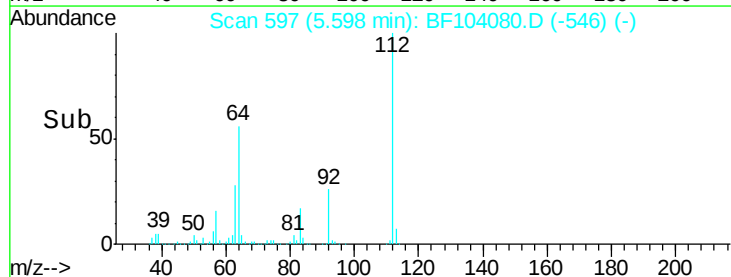
#5

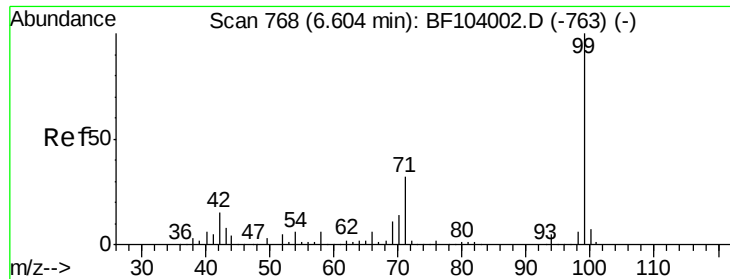
2-Fluorophenol  
Concen: 97.405 ng  
RT: 5.60 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Tgt Ion:112 Resp: 596566  
Ion Ratio Lower Upper  
112 100  
64 55.5 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: 107.084 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

Instrument :

BNA\_F

ClientSampleId :

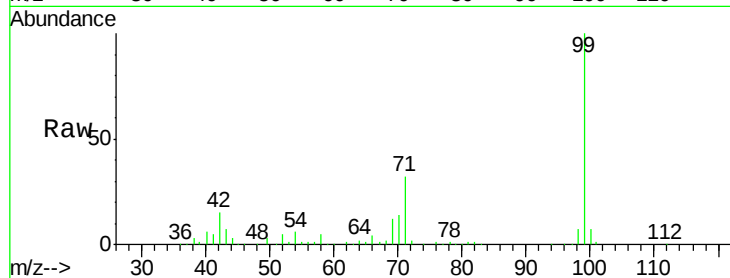
Tot Ion: 99 Resp: 806887

Ion Ratio Lower Upper

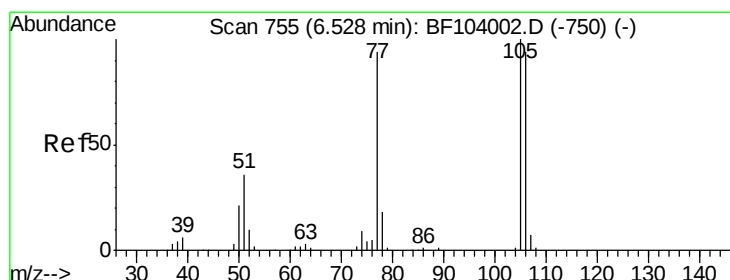
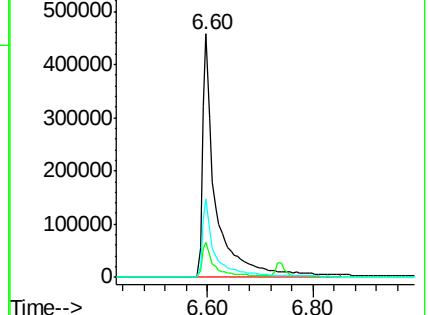
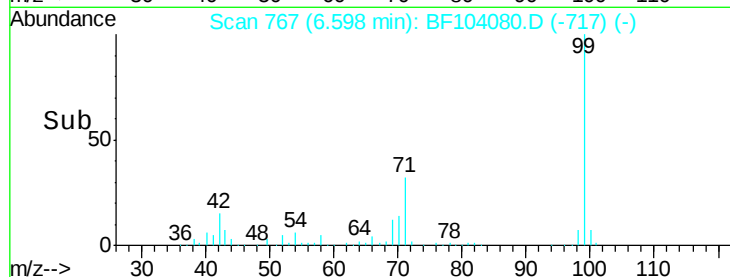
99 100

42 14.6 14.5 21.7

71 32.3 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: 2.223 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

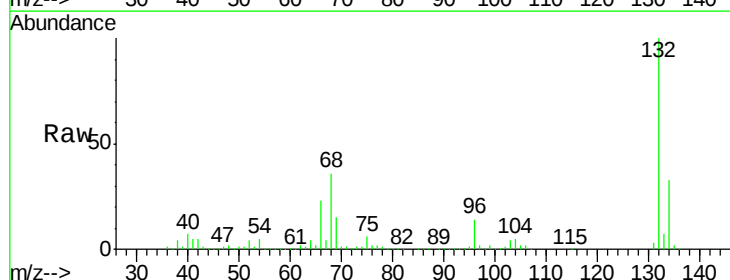
Tgt Ion: 77 Resp: 13531

Ion Ratio Lower Upper

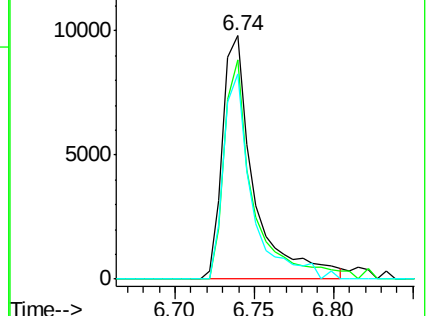
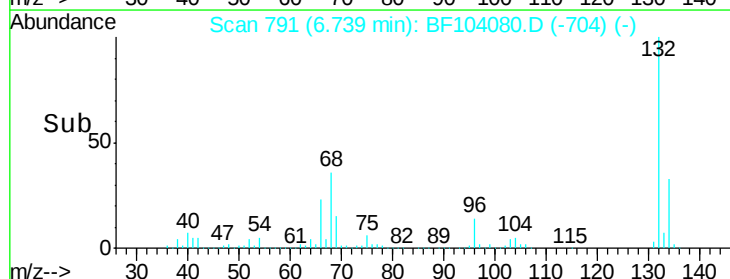
77 100

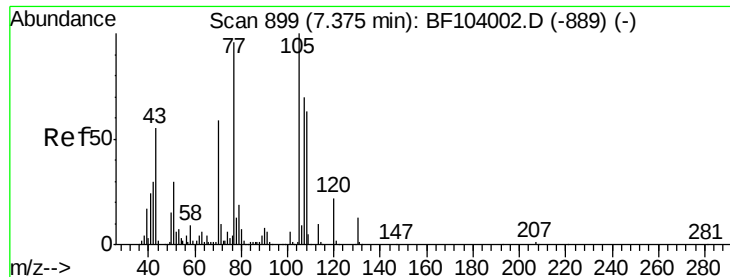
105 90.0 81.1 121.1

106 84.1 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

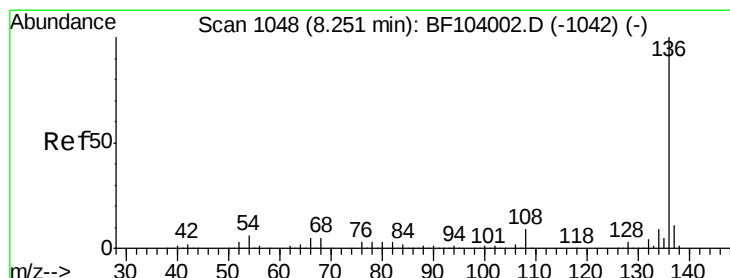
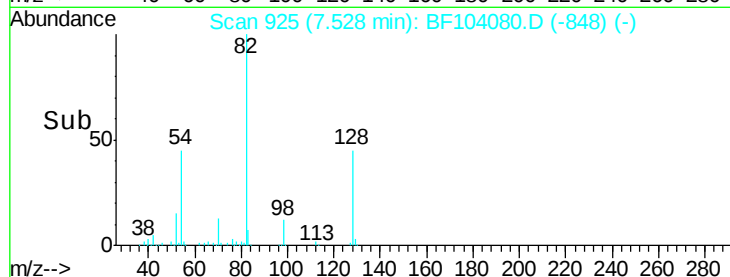
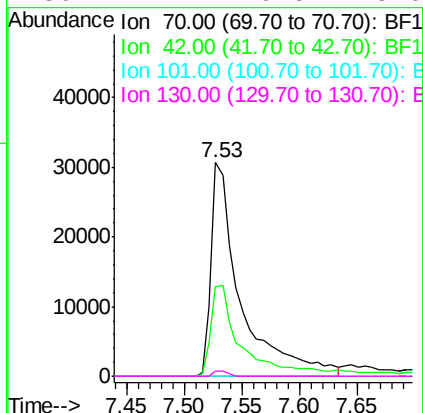
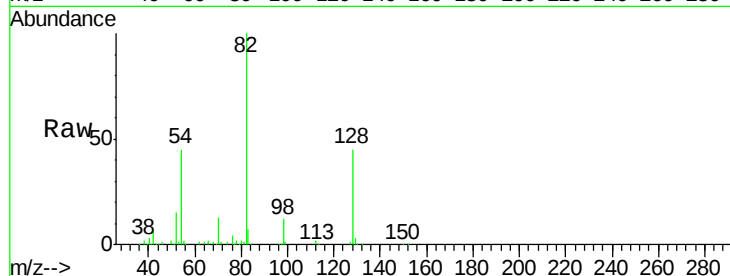




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.239 ng  
RT: 7.53 min Scan# 925  
Delta R.T. 0.15 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

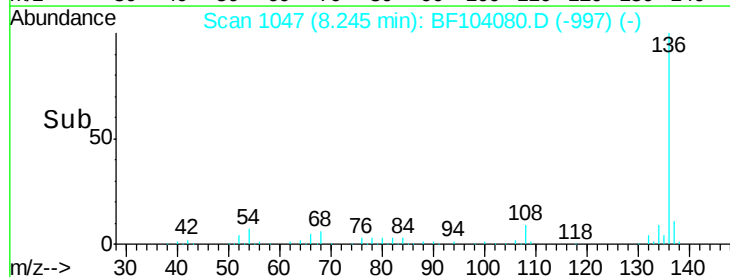
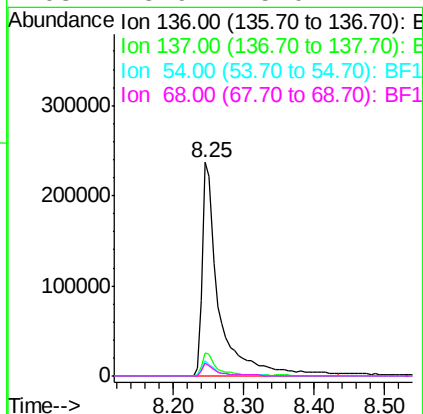
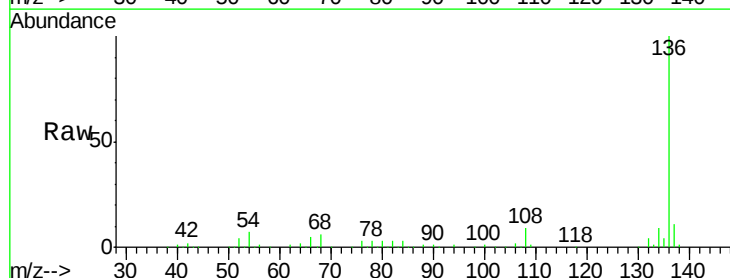
Instrument :  
BNA\_F  
ClientSampleId :

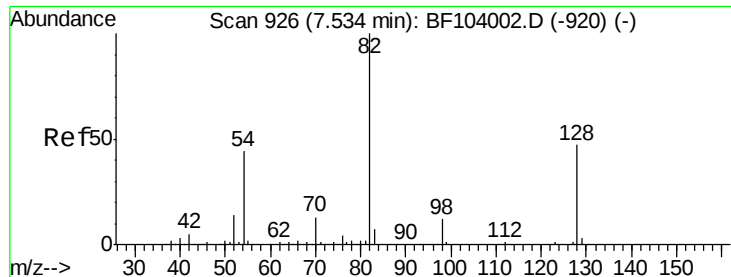
Tot Ion: 70 Resp: 54730  
Ion Ratio Lower Upper  
70 100  
42 42.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.4 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Tgt Ion:136 Resp: 396595  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.2 6.6 9.8  
68 5.9 5.0 7.4

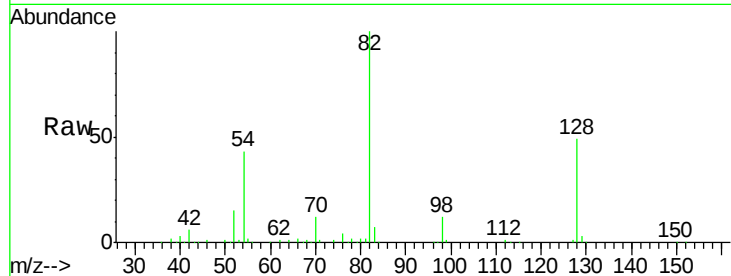




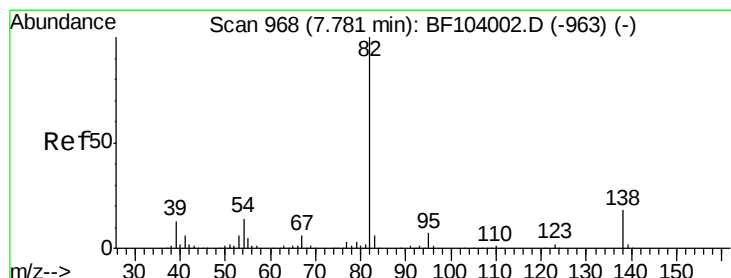
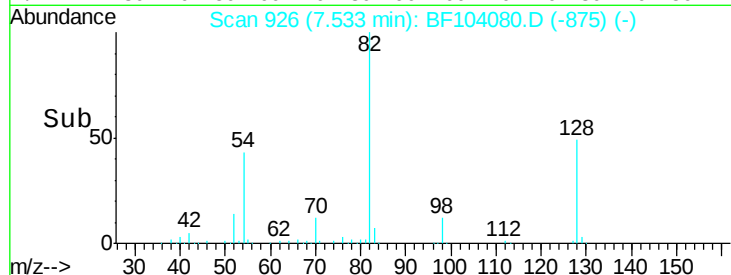
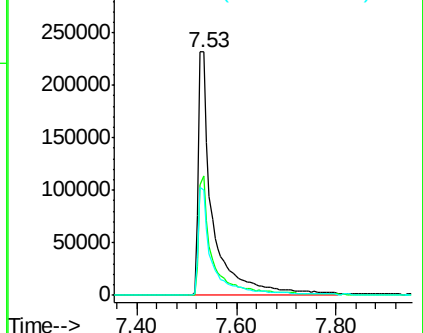
#23  
Nitrobenzene-d5  
Concen: 72.656 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.00 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 471173  
Ion Ratio Lower Upper  
82 100  
128 49.3 36.1 54.1  
54 43.1 41.4 62.2

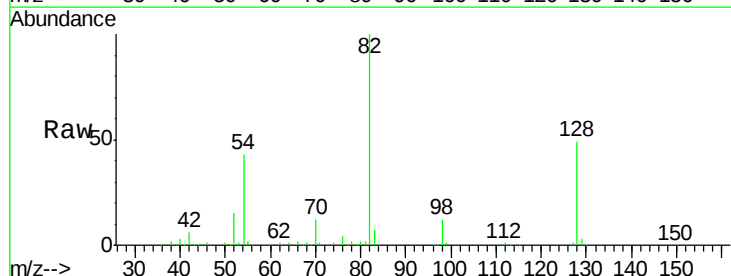


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

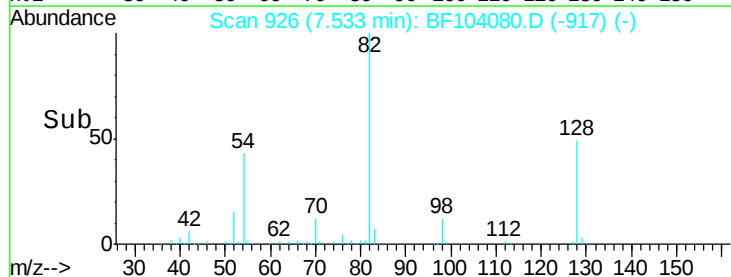
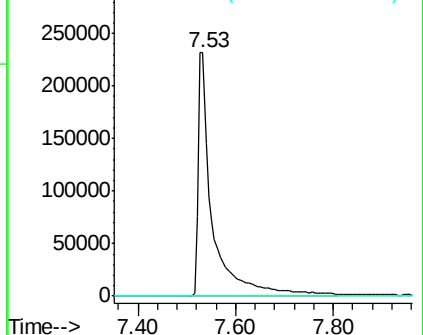


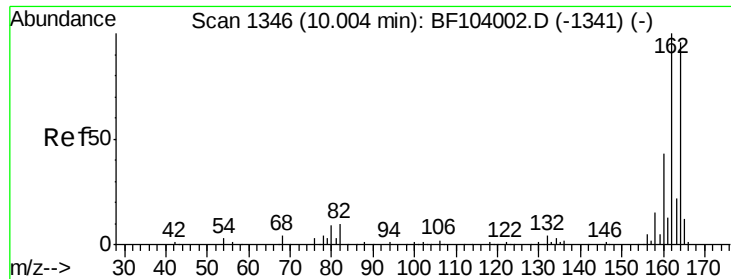
#25  
Isophorone  
Concen: 39.484 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.25 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Tgt Ion: 82 Resp: 471887  
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# 1346

Delta R.T. -0.00 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

Instrument :

BNA\_F

ClientSampleId :

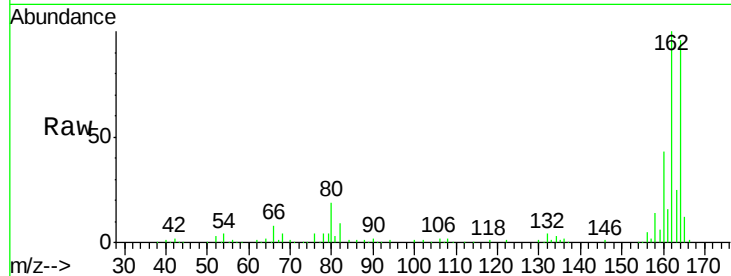
Tot Ion:164 Resp: 165640

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

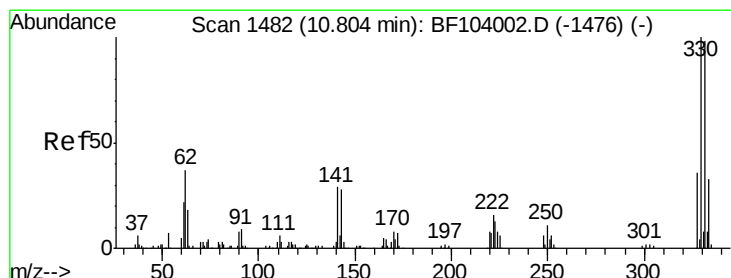
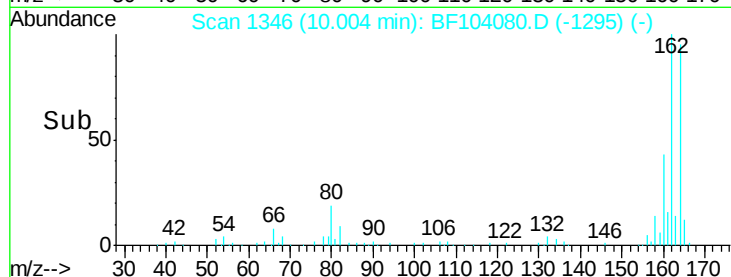
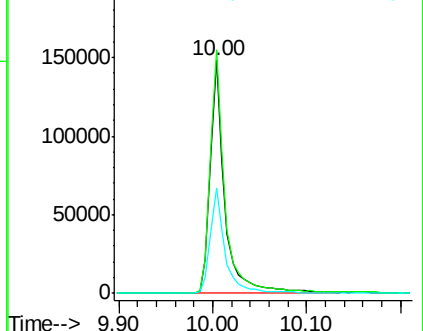
160 45.0 38.3 57.5



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: 77.958 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

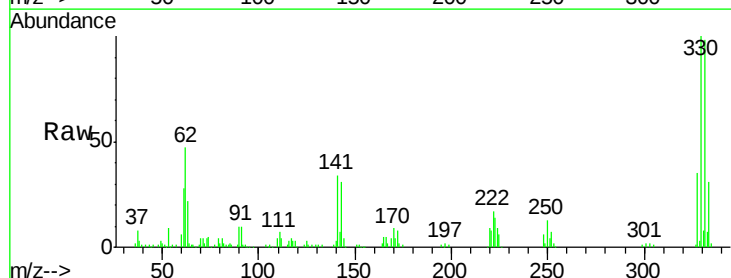
Tgt Ion:330 Resp: 143786

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

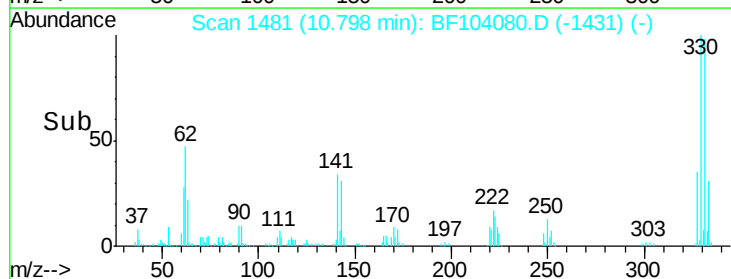
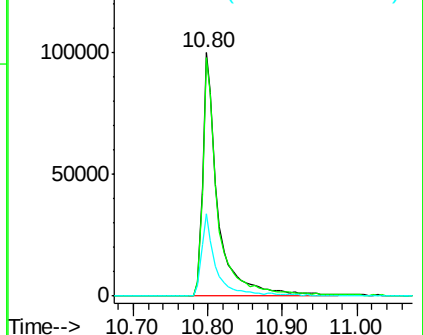
141 32.6 29.9 44.9

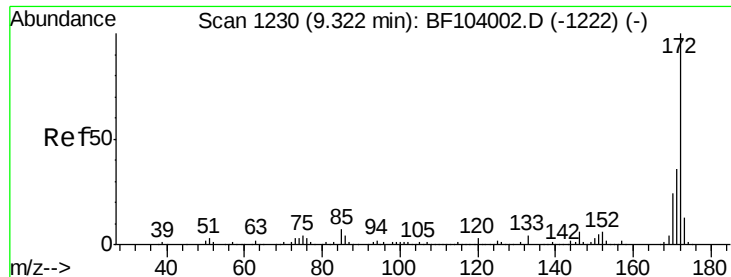


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

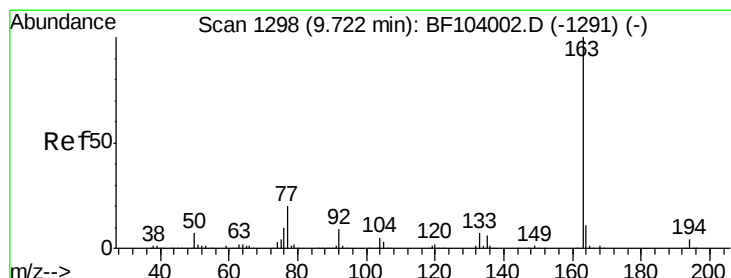
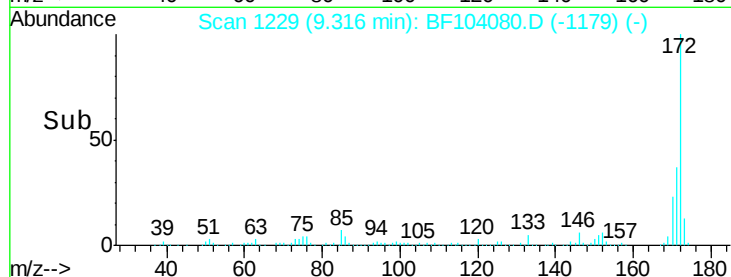
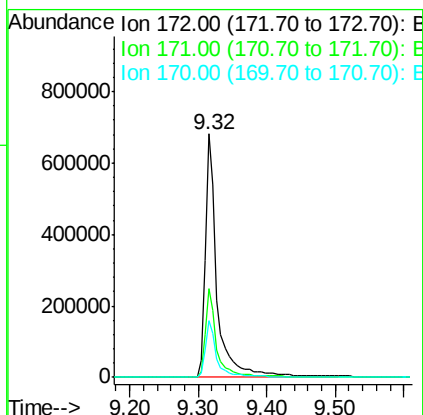
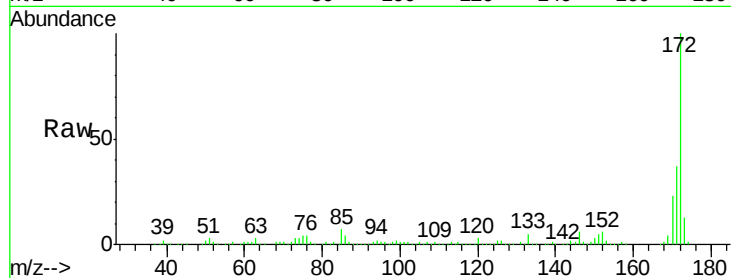




#44  
2-Fluorobiphenyl  
Concen: 80.545 ng  
RT: 9.32 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

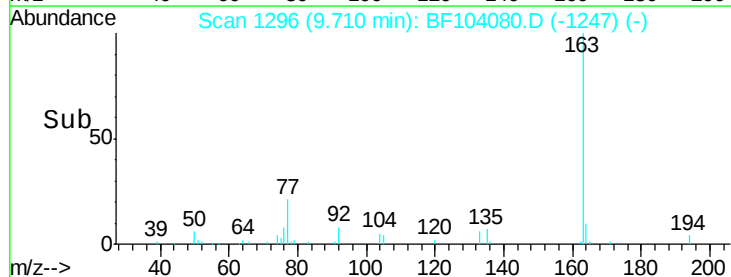
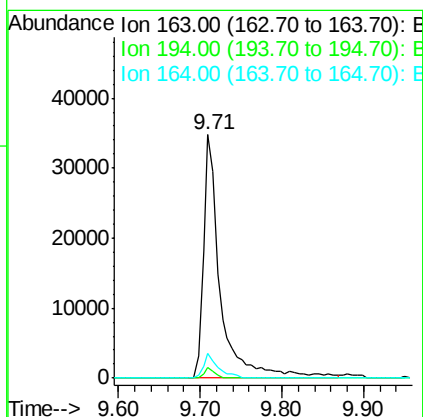
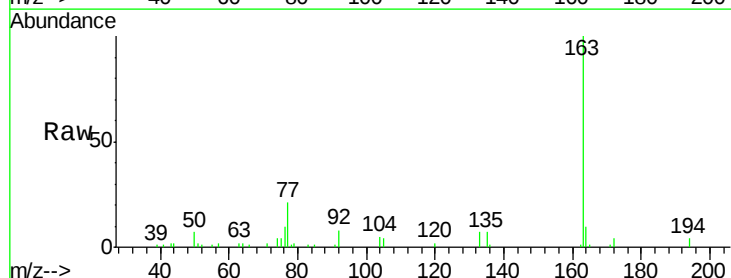
Instrument :  
BNA\_F  
ClientSampleId :

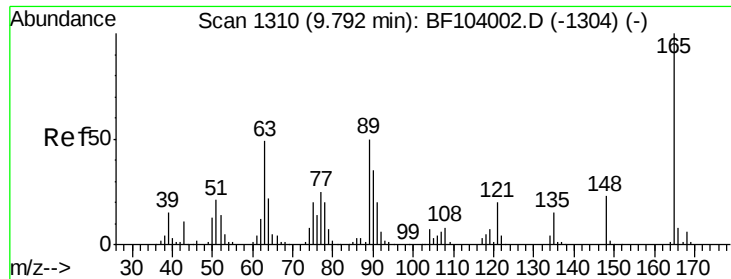
Tot Ion:172 Resp: 846052  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.7 44.5  
170 23.1 19.6 29.4



#49  
Dimethylphthalate  
Concen: 3.825 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Tgt Ion:163 Resp: 50027  
Ion Ratio Lower Upper  
163 100  
194 4.5 2.7 4.1#  
164 10.4 8.2 12.2

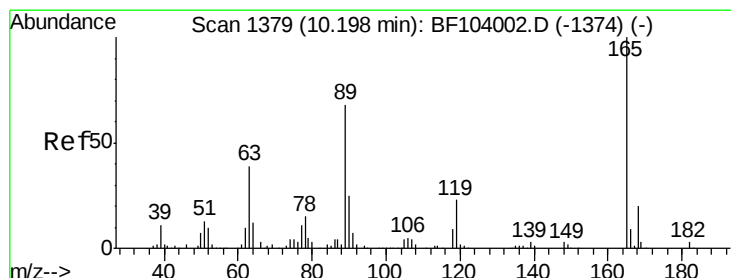
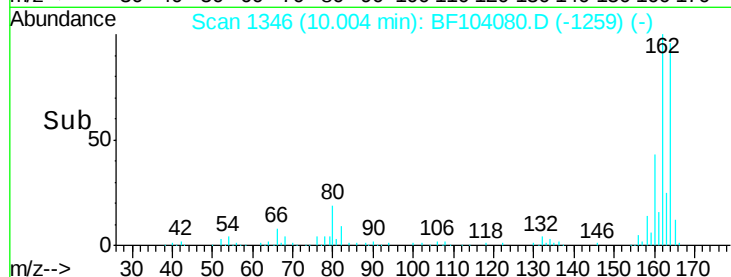
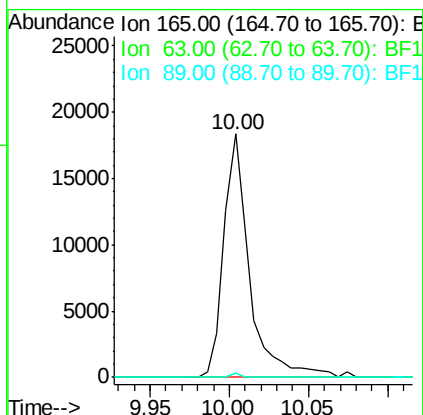
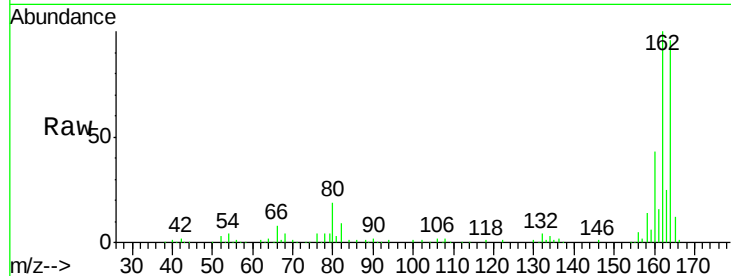




#50  
 2,6-Dinitrotoluene  
 Concen: 7.326 ng  
 RT: 10.00 min Scan# 1346  
 Delta R.T. 0.21 min  
 Lab File: BF104080.D  
 Acq: 30 Mar 2018 5:17

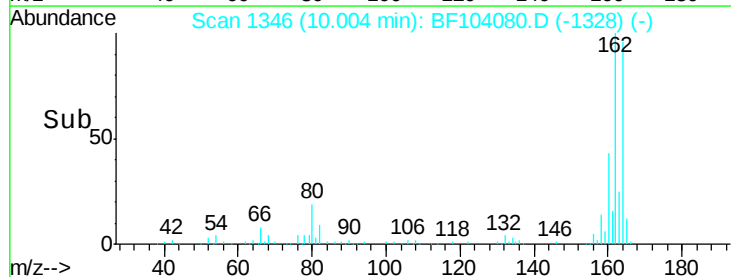
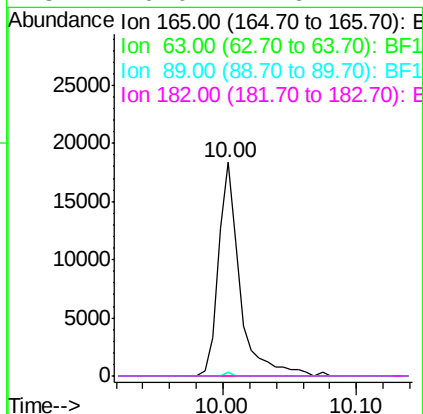
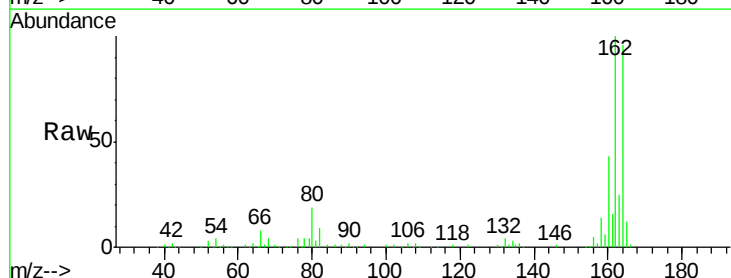
Instrument :  
 BNA\_F  
 ClientSampleId :

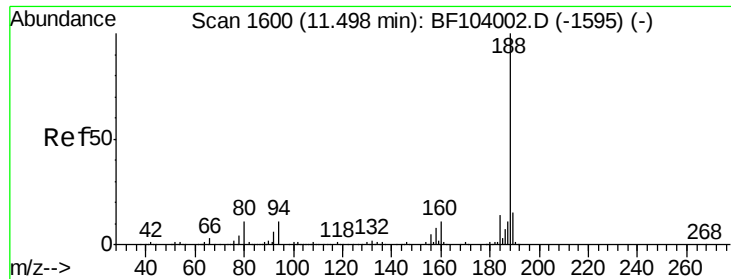
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 44.7  | 67.1# |
| 89      | 1.7   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 5.780 ng  
 RT: 10.00 min Scan# 1346  
 Delta R.T. -0.19 min  
 Lab File: BF104080.D  
 Acq: 30 Mar 2018 5:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 36.4  | 54.6# |
| 89      | 1.7   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

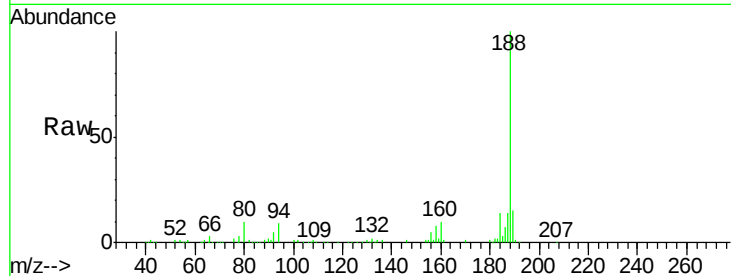




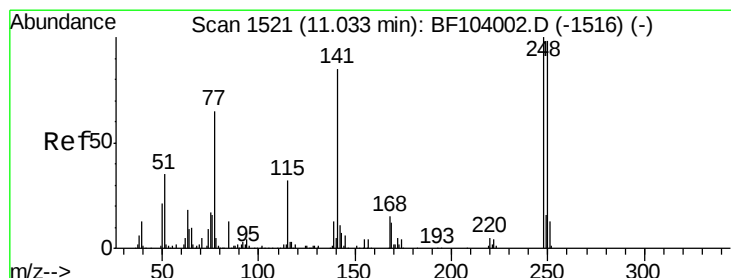
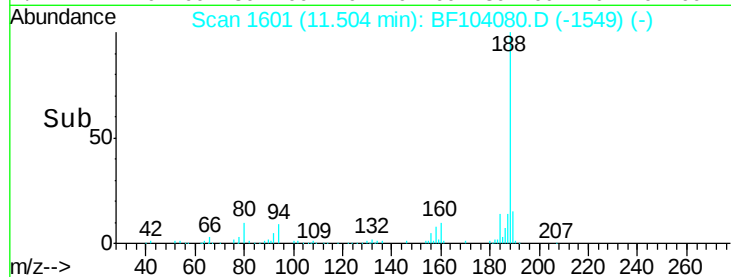
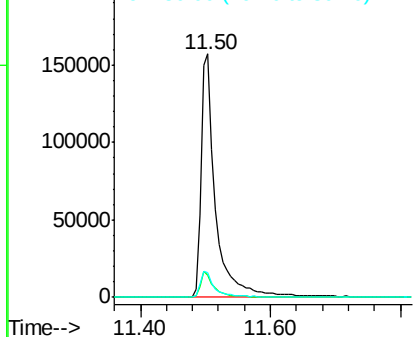
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 242338  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.5 12.7  
80 10.0 9.2 13.8

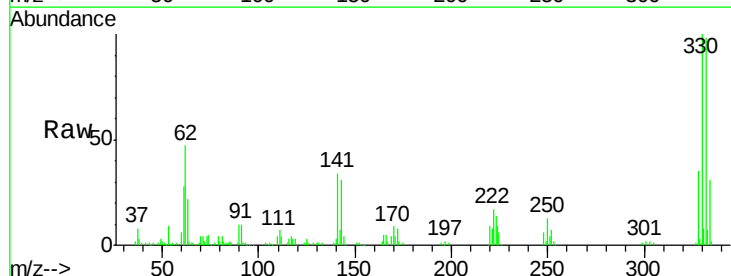


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

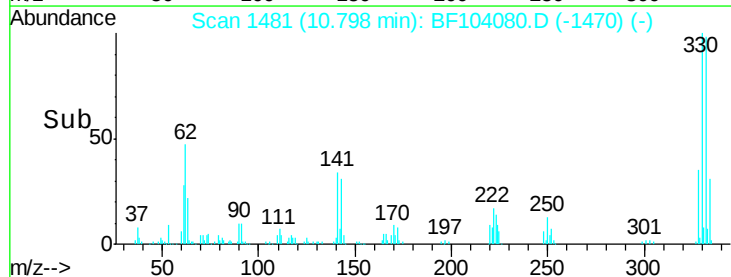
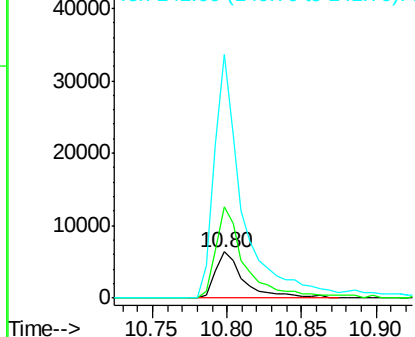


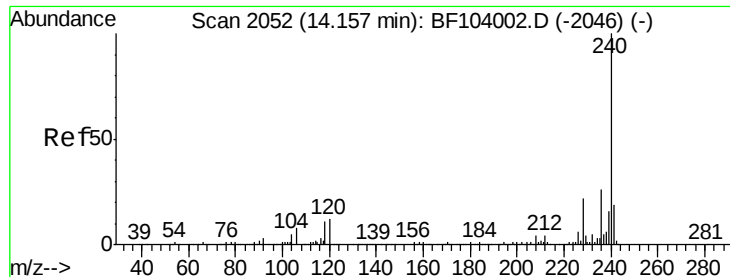
#66  
4-Bromophenyl-phenylether  
Concen: 3.305 ng  
RT: 10.80 min Scan# 1481  
Delta R.T. -0.24 min  
Lab File: BF104080.D  
Acq: 30 Mar 2018 5:17

Tgt Ion:248 Resp: 8570  
Ion Ratio Lower Upper  
248 100  
250 197.1 76.9 115.3#  
141 525.4 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: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

Instrument :

BNA\_F

ClientSampleId :

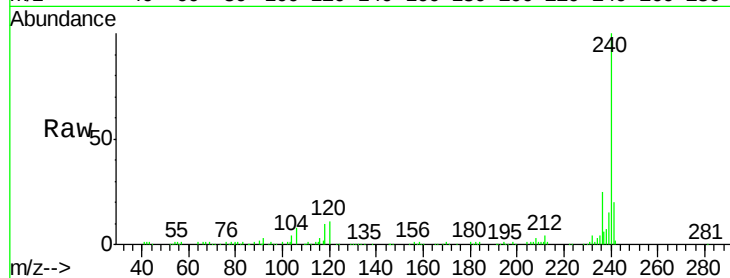
Tot Ion:240 Resp: 218363

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

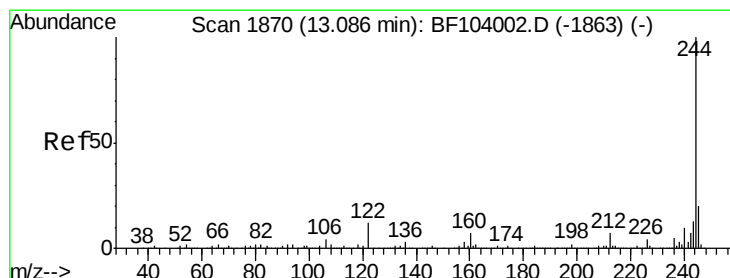
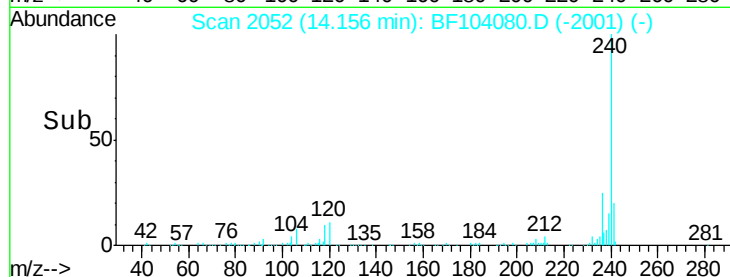
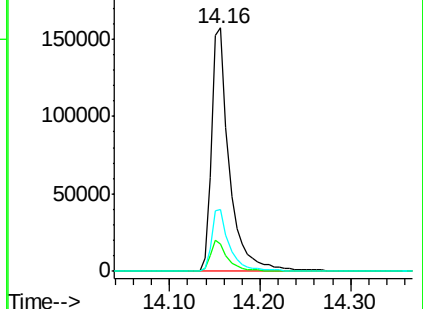
236 25.2 20.7 31.1



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: 59.086 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104080.D

Acq: 30 Mar 2018 5:17

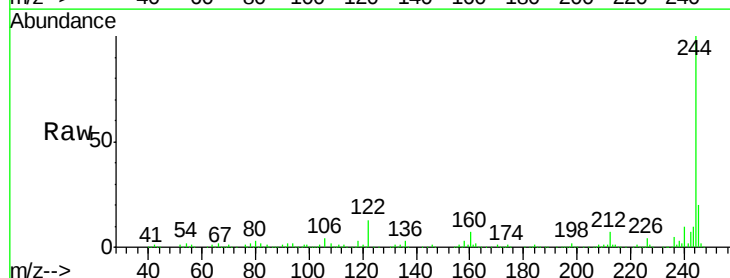
Tgt Ion:244 Resp: 558794

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

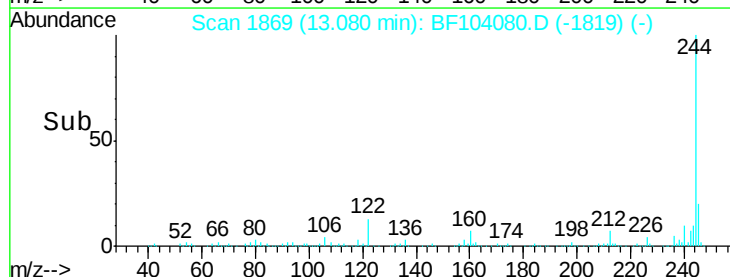
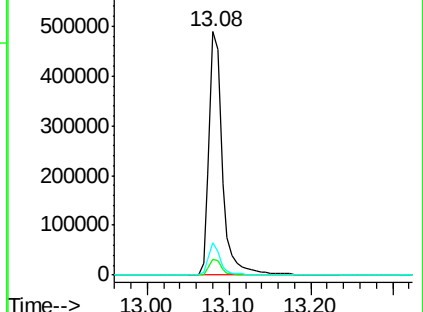
122 13.2 11.0 16.4

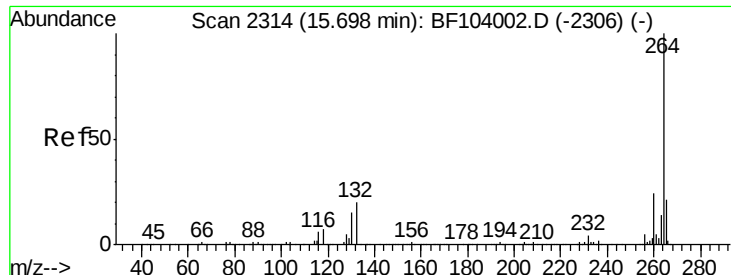


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

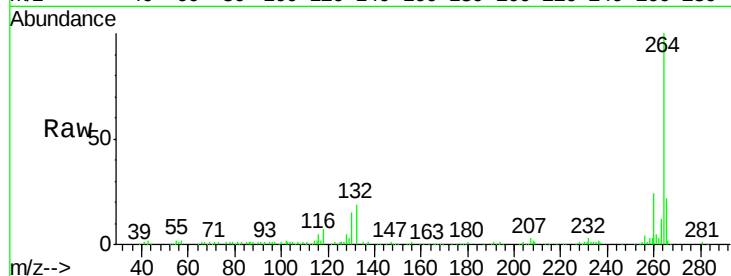




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.70 min Scan# 2314  
 Delta R.T. -0.00 min  
 Lab File: BF104080.D  
 Acq: 30 Mar 2018 5:17

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.6  | 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

