

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
 Data File : BF102524.D  
 Acq On : 27 Jan 2018 21:36  
 Operator : SJ/JU  
 Sample : J1010-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-012518

Quant Time: Jan 27 22:06:14 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 27 20:48:40 2018  
 Response via : Initial Calibration

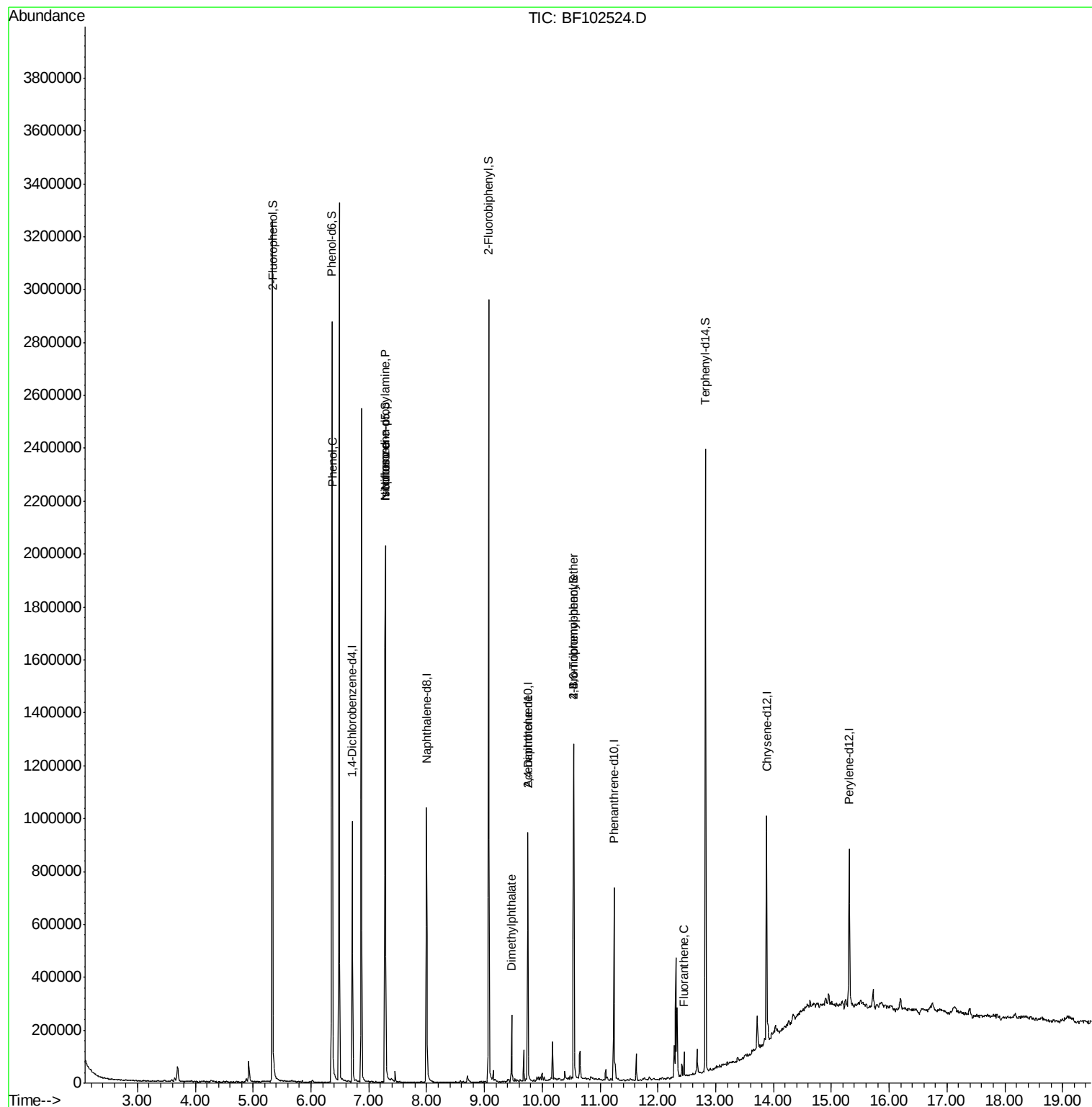
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 138234   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 489186   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 168978   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 265648   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.88 | 240  | 298243   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.31 | 264  | 245374   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 999476   | 109.63 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.36  | 99   | 1128665  | 102.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 663335   | 77.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 152166   | 90.88  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 898405   | 78.17  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 758050   | 57.30  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.37  | 94   | 46726    | 3.894  | ng    | 96       |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 89084    | 13.244 | ng    | # 76     |
| 25) Isophorone                 | 7.29  | 82   | 663327   | 43.710 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 88432    | 6.331  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 21573    | 5.826  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 10506    | 3.674  | ng    | # 1      |
| 74) Fluoranthene               | 12.45 | 202  | 35655    | 2.259  | ng    | 96       |

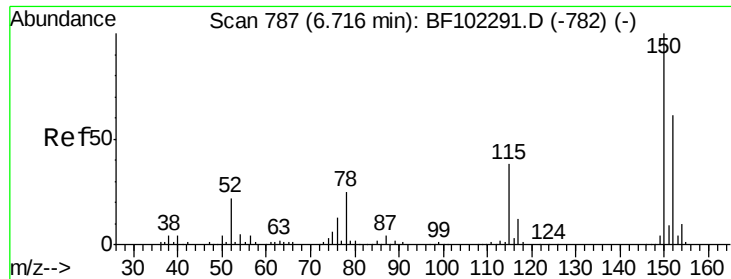
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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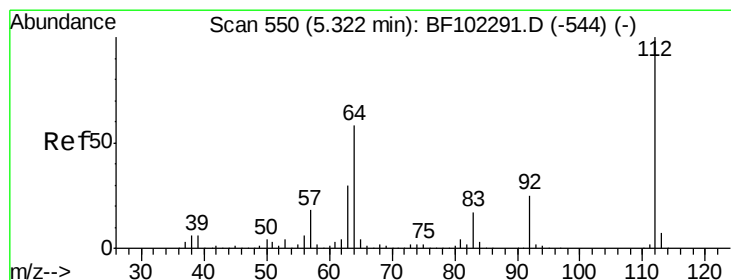
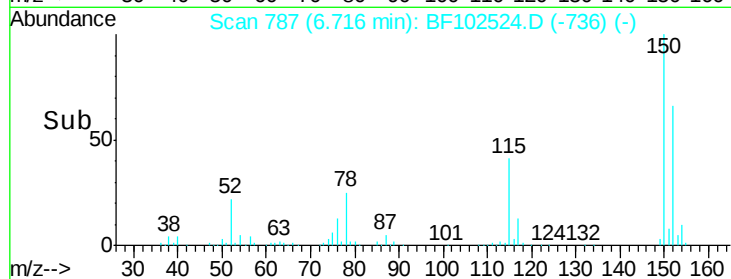
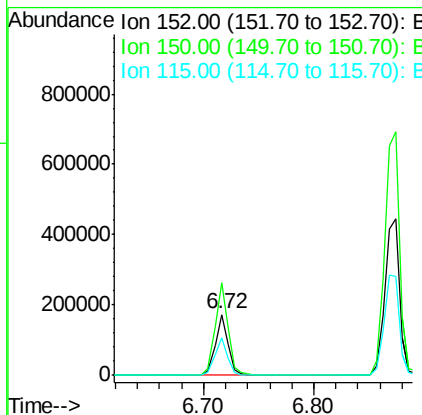
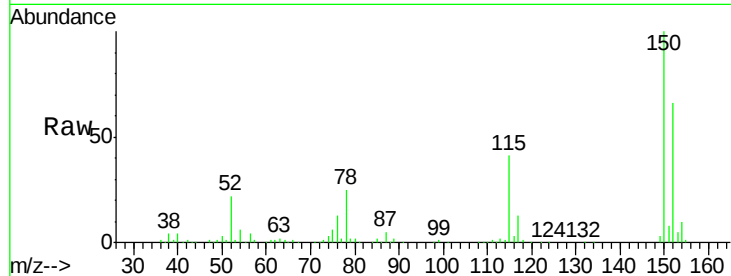


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-012518

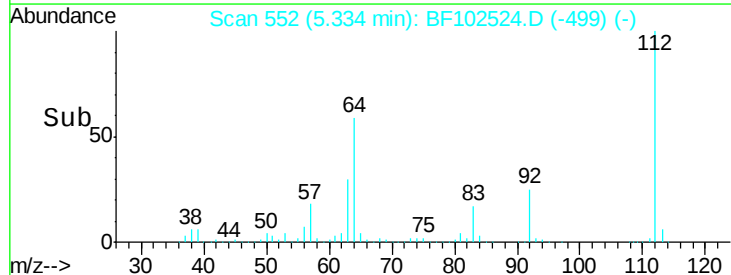
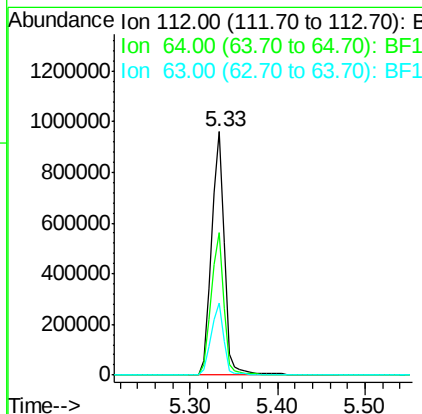
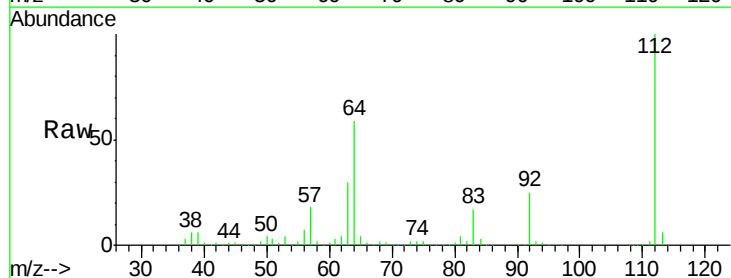
Tgt Ion:152 Resp: 138234  
 Ion Ratio Lower Upper  
 152 100  
 150 151.2 124.6 186.8  
 115 62.5 50.1 75.1

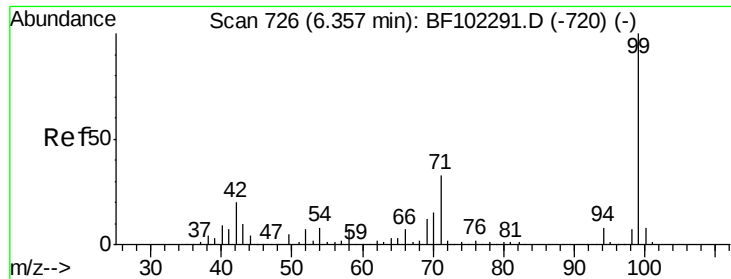


#5

2-Fluorophenol  
 Concen: 109.630 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. 0.01 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Tgt Ion:112 Resp: 999476  
 Ion Ratio Lower Upper  
 112 100  
 64 58.7 47.9 71.9  
 63 29.9 23.7 35.5





#7

Phenol-d6

Concen: 102.689 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

Instrument :

BNA\_F

ClientSampleId :

BU-01-012518

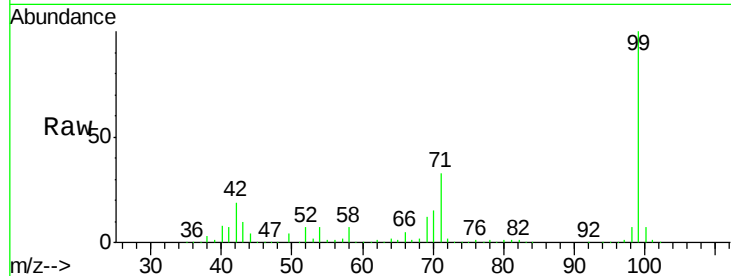
Tgt Ion: 99 Resp: 1128665

Ion Ratio Lower Upper

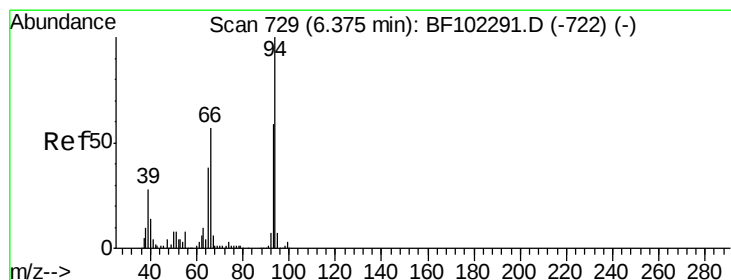
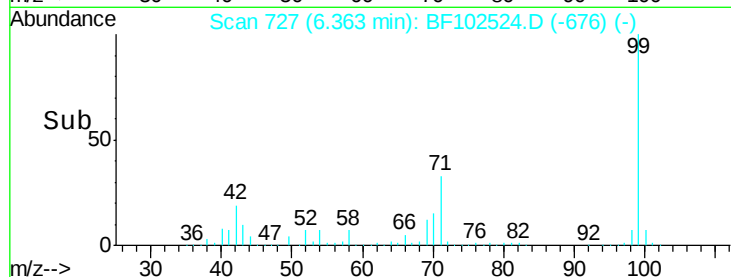
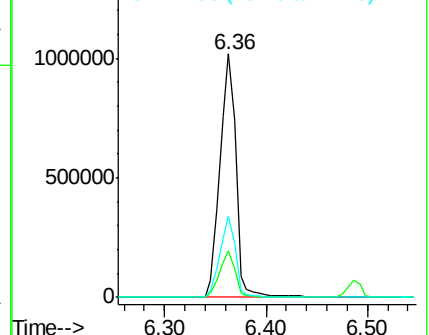
99 100

42 19.2 14.5 21.7

71 33.4 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: 3.894 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

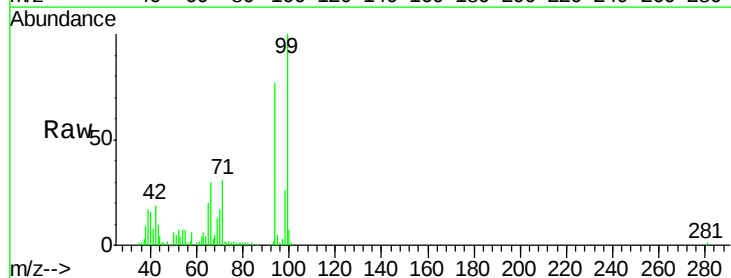
Tgt Ion: 94 Resp: 46726

Ion Ratio Lower Upper

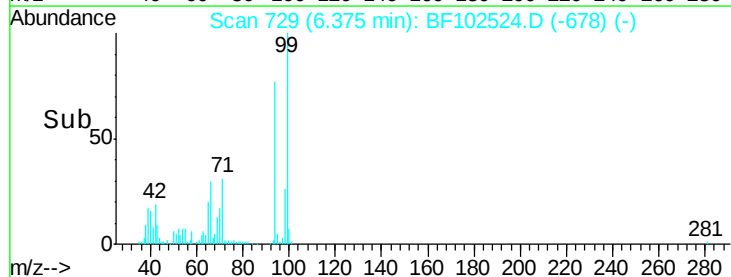
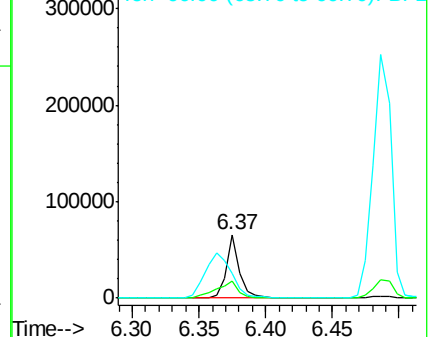
94 100

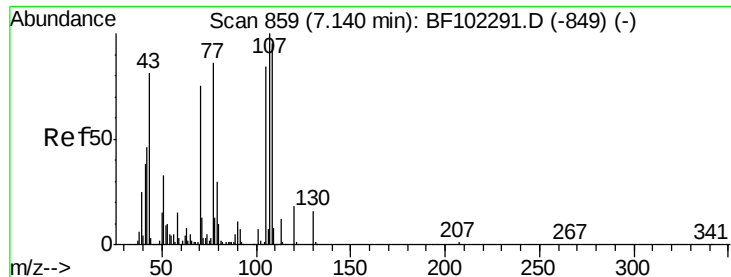
65 26.0 7.9 47.9

66 39.0 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

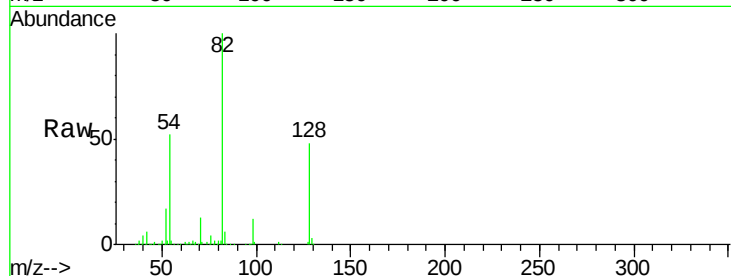




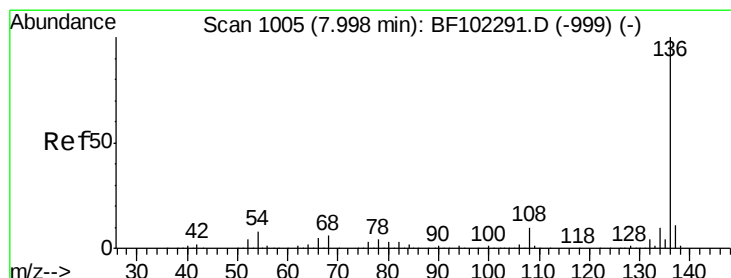
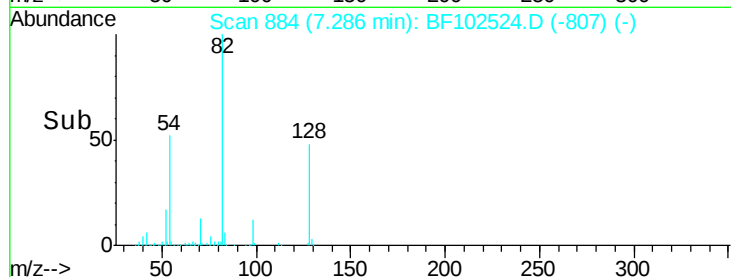
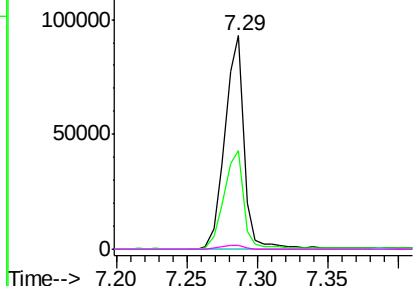
#19  
n-Nitroso-di-n-propylamine  
Concen: 13.244 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.15 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Instrument :  
BNA\_F  
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BU-01-012518

Tgt Ion: 70 Resp: 89084  
Ion Ratio Lower Upper  
70 100  
42 46.3 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



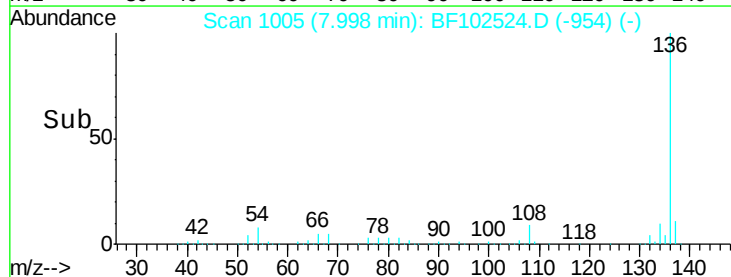
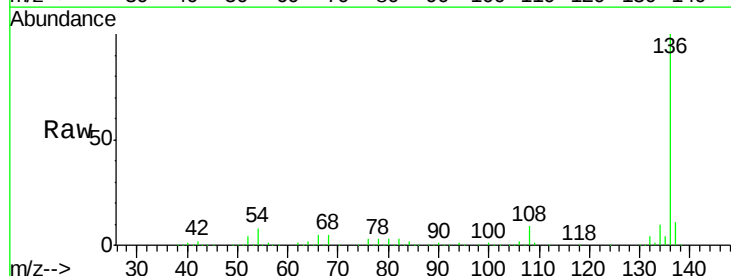
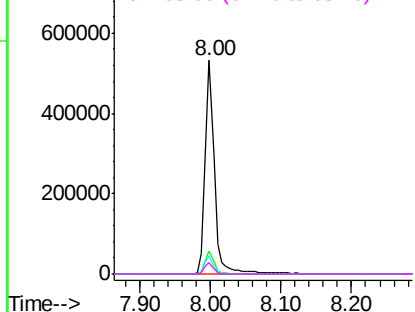
Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

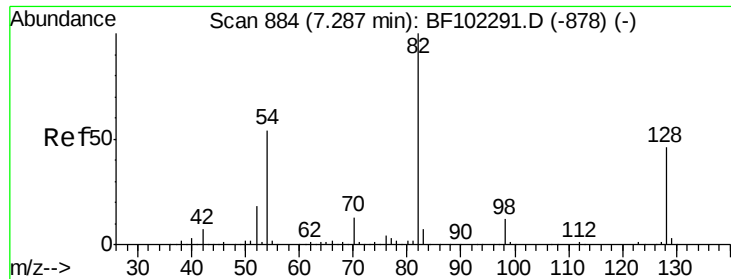


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Tgt Ion: 136 Resp: 489186  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 8.2 6.6 9.8  
68 5.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): BF1  
Ion 137.00 (136.70 to 137.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

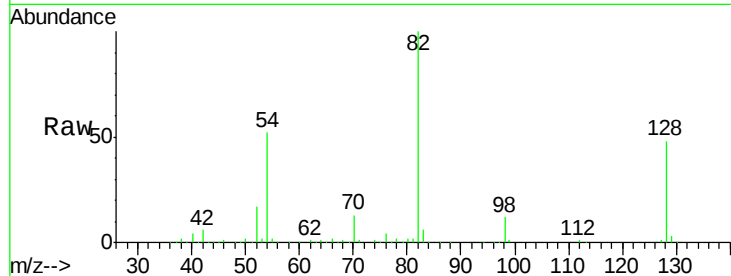




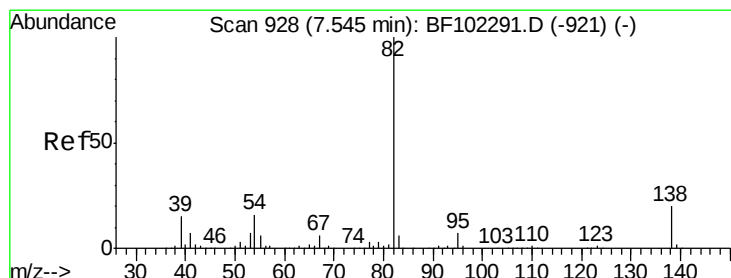
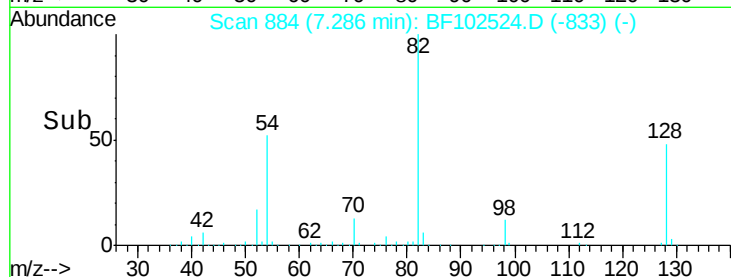
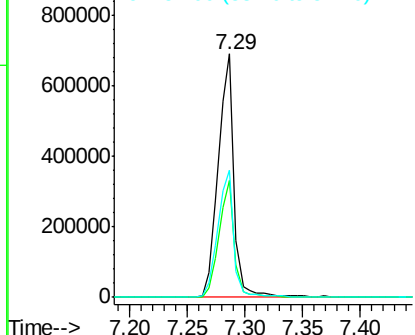
#23  
 Nitrobenzene-d5  
 Concen: 77.925 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.00 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-012518

Tgt Ion: 82 Resp: 663335  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 36.1 54.1  
 54 52.2 41.4 62.2

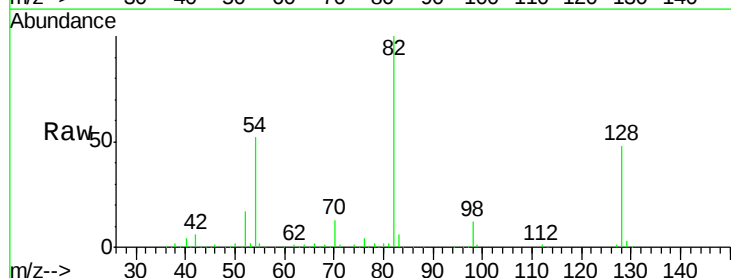


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

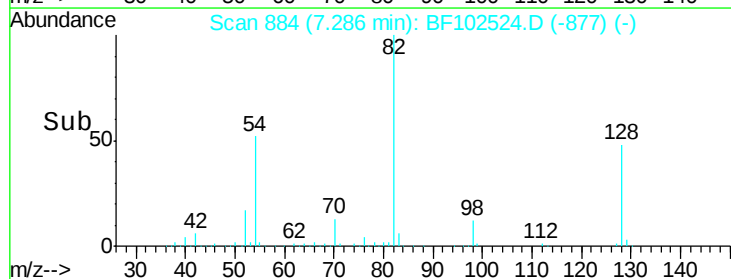
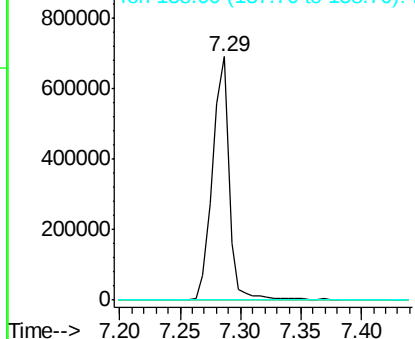


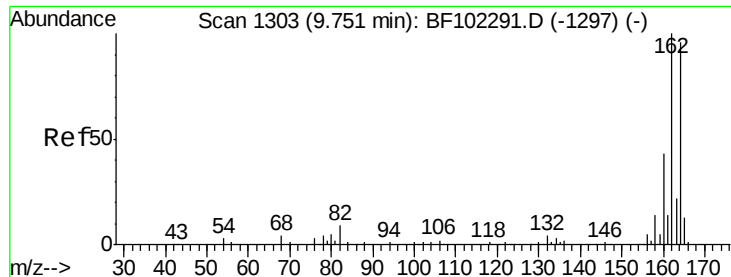
#25  
 Isophorone  
 Concen: 43.710 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.26 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Tgt Ion: 82 Resp: 663327  
 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: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

Instrument :

BNA\_F

ClientSampleId :

BU-01-012518

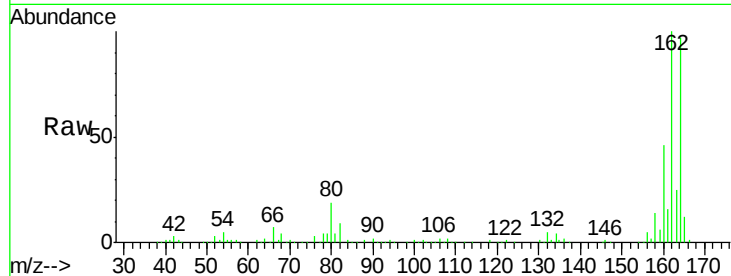
Tgt Ion:164 Resp: 168978

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

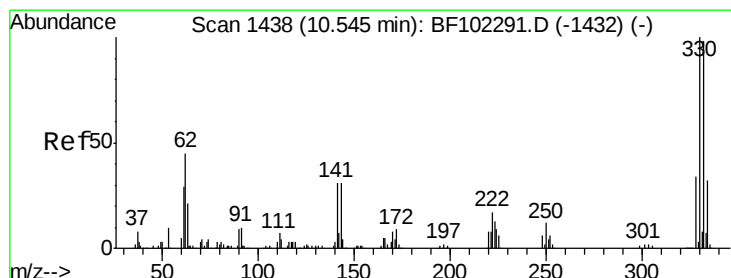
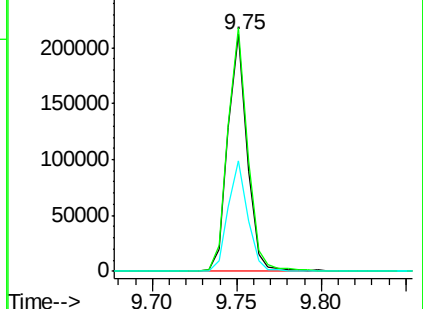
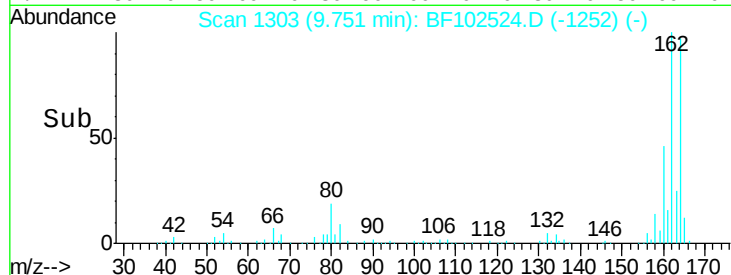
160 46.9 38.3 57.5



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: 90.882 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

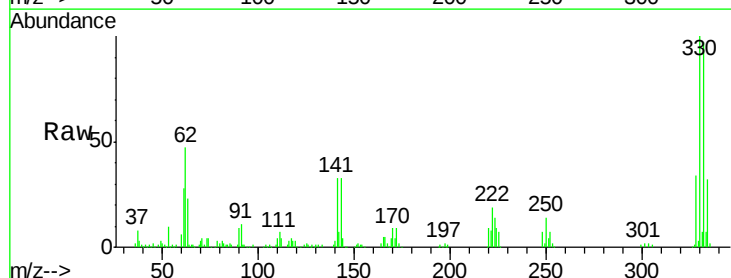
Tgt Ion:330 Resp: 152166

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

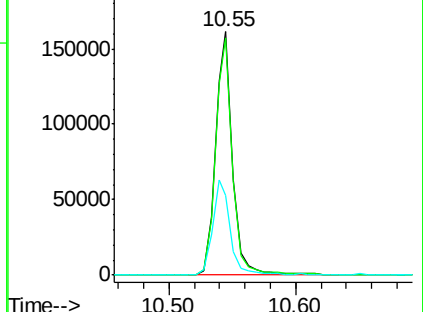
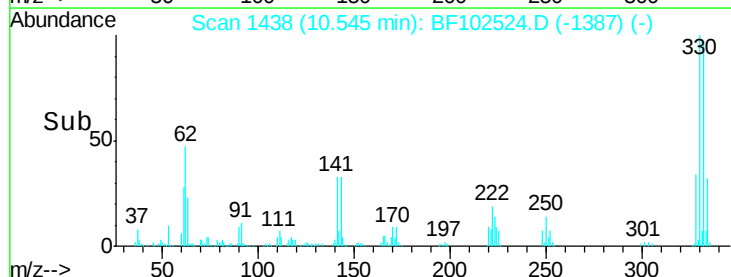
141 40.9 29.9 44.9

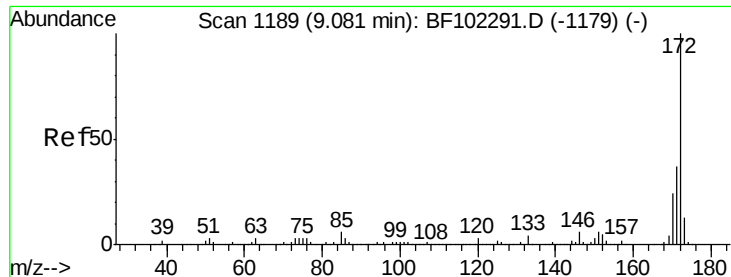


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

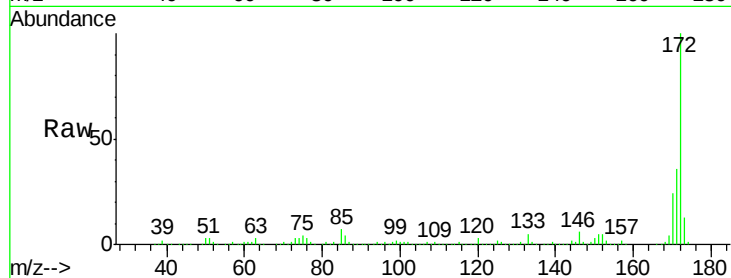




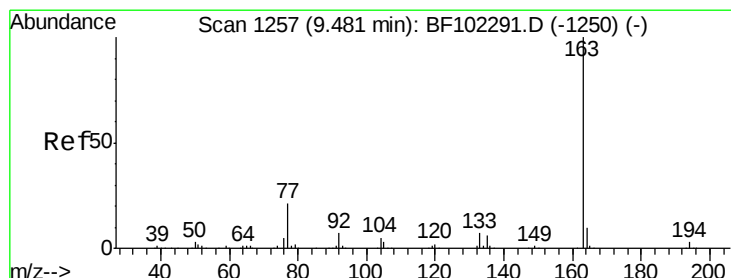
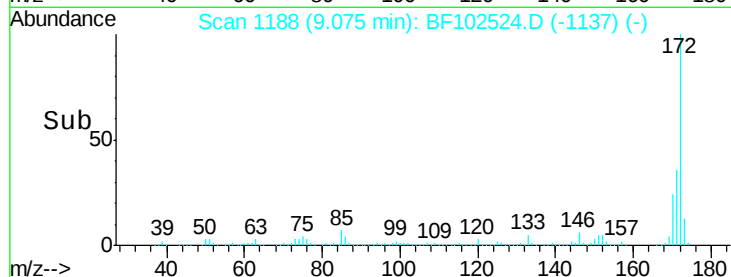
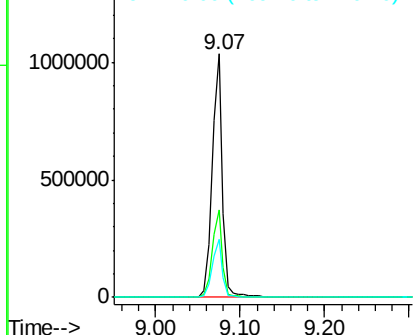
#44  
2-Fluorobiphenyl  
Concen: 78.174 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.00 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-012518

Tgt Ion:172 Resp: 898405  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.7 44.5  
170 23.8 19.6 29.4

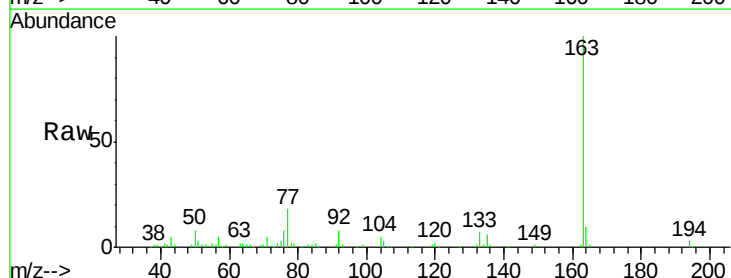


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

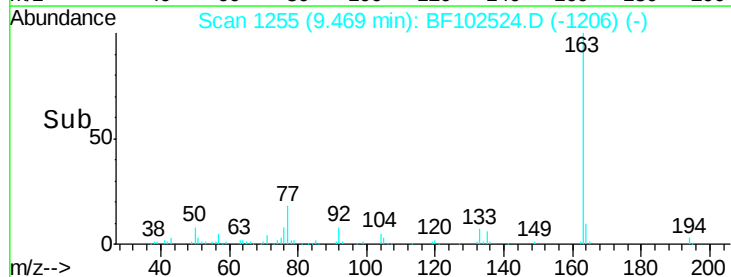
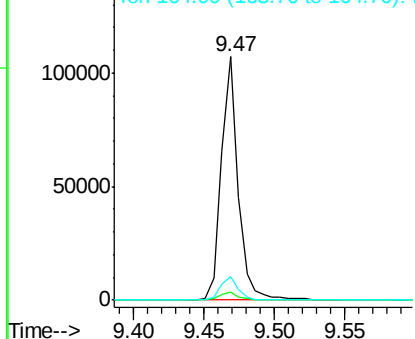


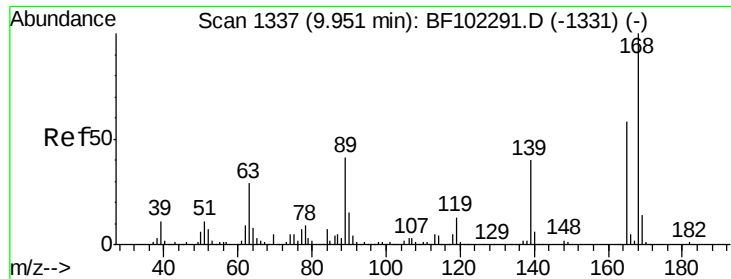
#49  
Dimethylphthalate  
Concen: 6.331 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Tgt Ion:163 Resp: 88432  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.6 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

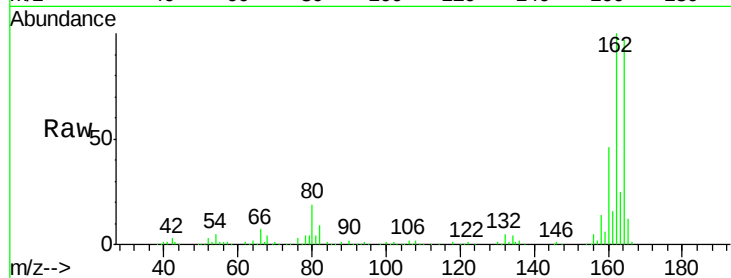




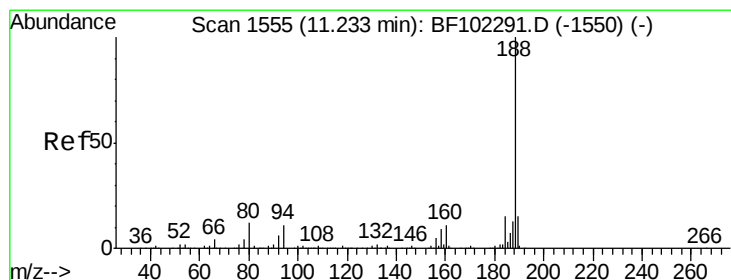
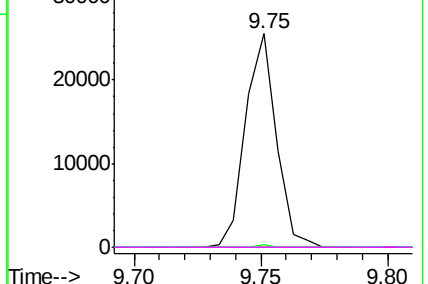
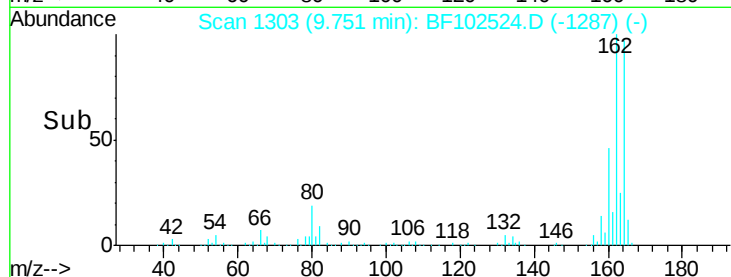
#56  
2,4-Dinitrotoluene  
Concen: 5.826 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.21 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-012518

Tgt Ion:165 Resp: 21573  
Ion Ratio Lower Upper  
165 100  
63 1.5 36.4 54.6#  
89 0.0 57.8 86.6#  
182 0.0 1.6 2.4#

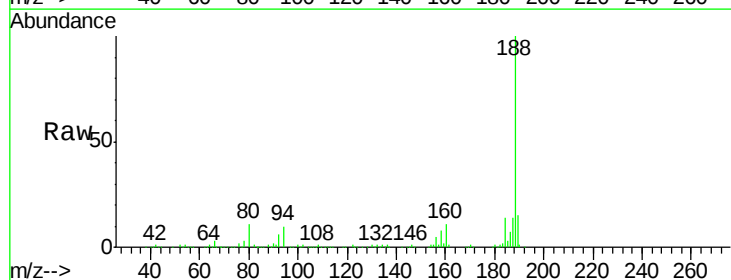


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

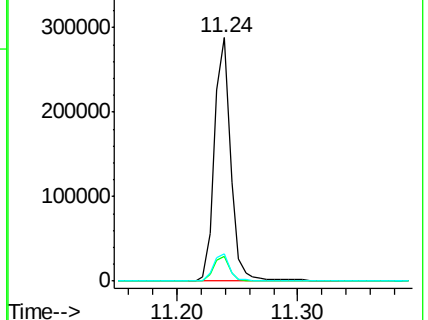
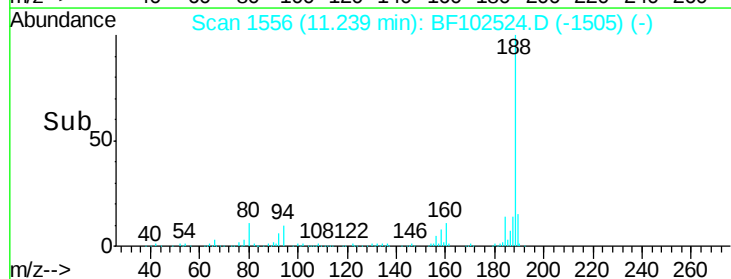


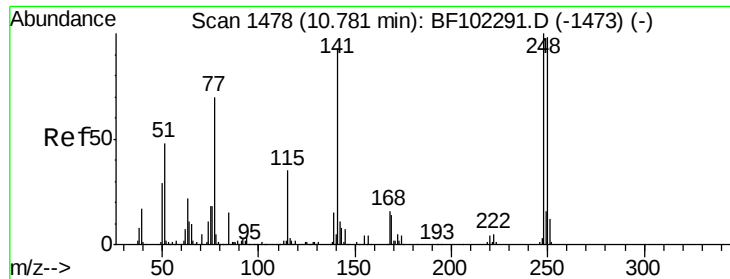
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.00 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Tgt Ion:188 Resp: 265648  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 11.4 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

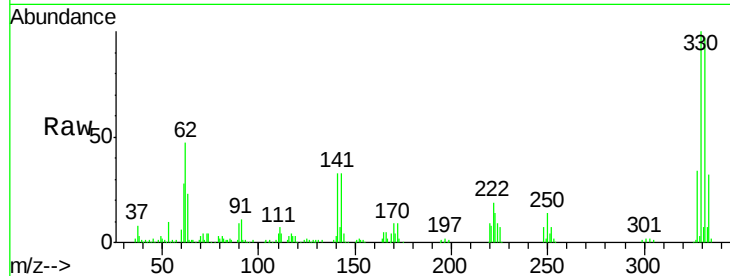




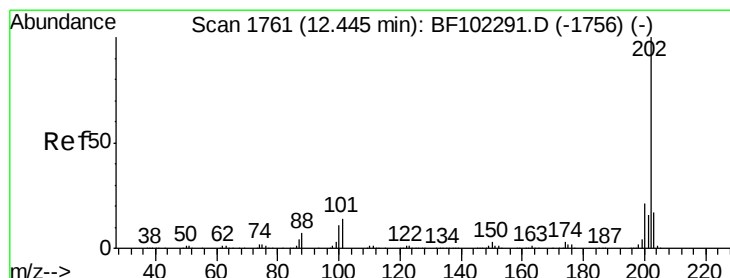
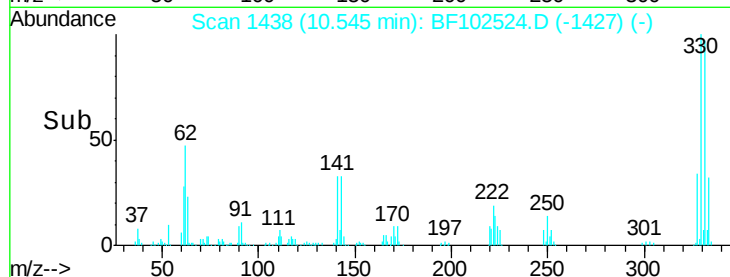
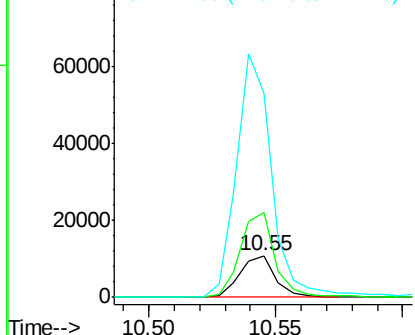
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.674 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.24 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-012518

Tgt Ion:248 Resp: 10506  
 Ion Ratio Lower Upper  
 248 100  
 250 203.3 76.9 115.3#  
 141 491.4 74.4 111.6#

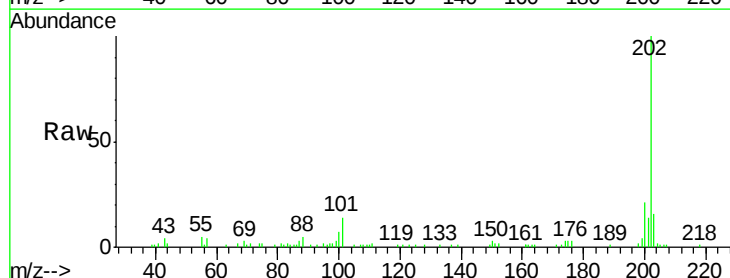


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

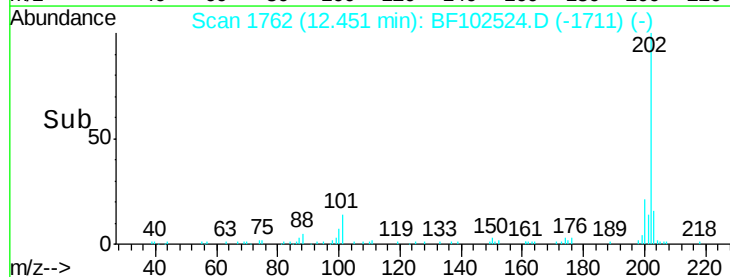
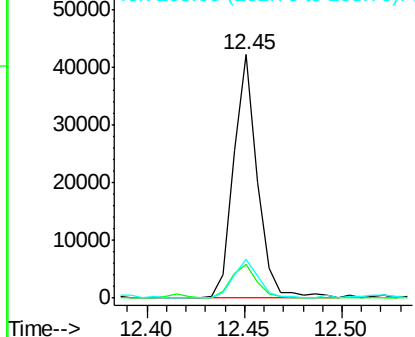


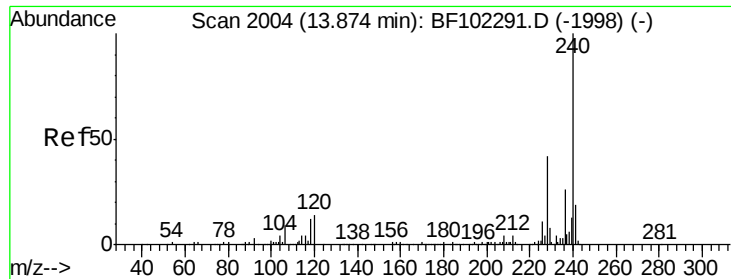
#74  
 Fluoranthene  
 Concen: 2.259 ng  
 RT: 12.45 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: BF102524.D  
 Acq: 27 Jan 2018 21:36

Tgt Ion:202 Resp: 35655  
 Ion Ratio Lower Upper  
 202 100  
 101 13.6 0.0 34.1  
 203 15.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

Instrument :

BNA\_F

ClientSampleId :

BU-01-012518

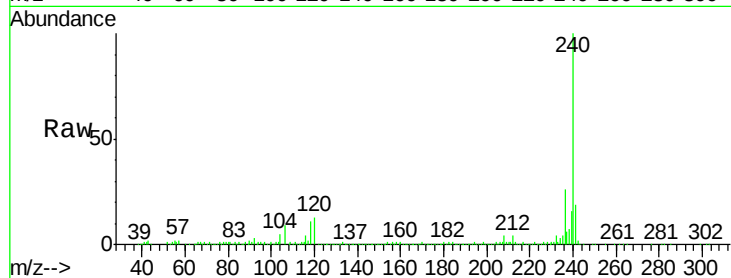
Tgt Ion:240 Resp: 298243

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

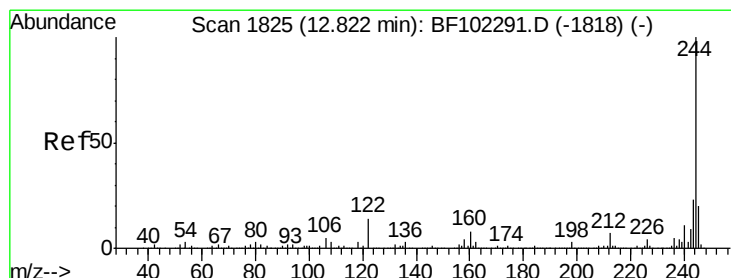
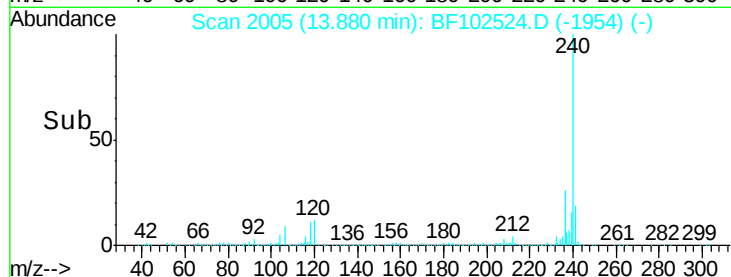
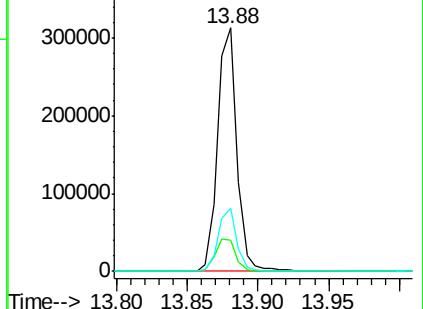
236 26.0 20.7 31.1



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: 57.299 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102524.D

Acq: 27 Jan 2018 21:36

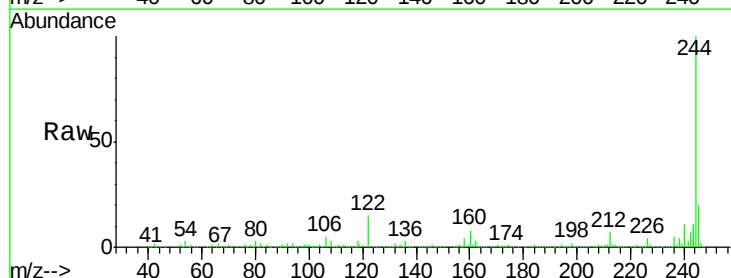
Tgt Ion:244 Resp: 758050

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

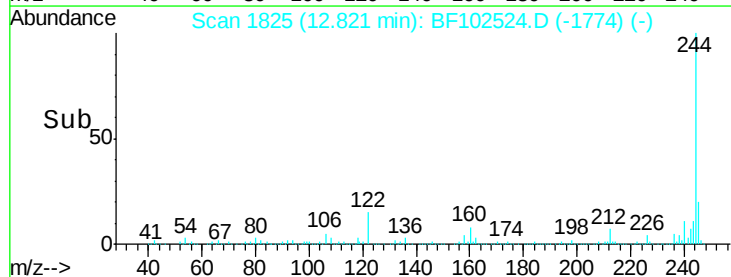
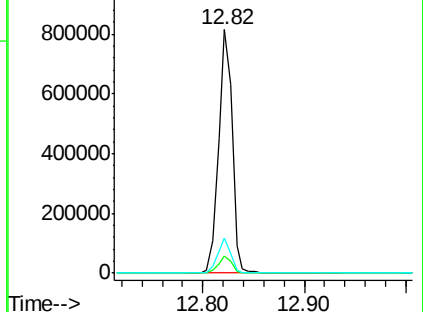
122 14.6 11.0 16.4

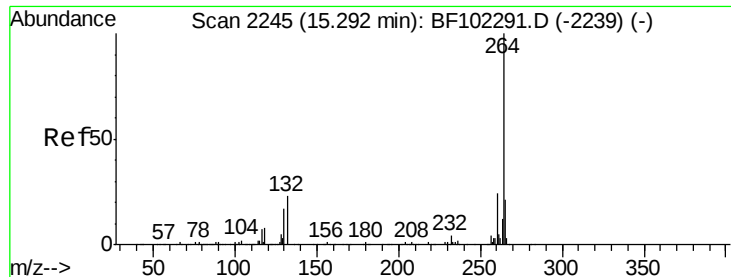


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

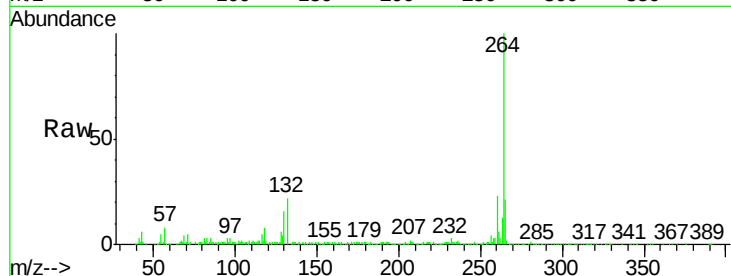




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.31 min Scan# 2248  
Delta R.T. 0.01 min  
Lab File: BF102524.D  
Acq: 27 Jan 2018 21:36

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-012518

Tgt Ion: 264 Resp: 245374  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.2 28.8  
265 20.5 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

