

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
 Data File : BF102511.D  
 Acq On : 27 Jan 2018 15:32  
 Operator : SJ/JU  
 Sample : J1344-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8-SAN-3-EW(5-6)

Quant Time: Jan 27 20:59:32 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

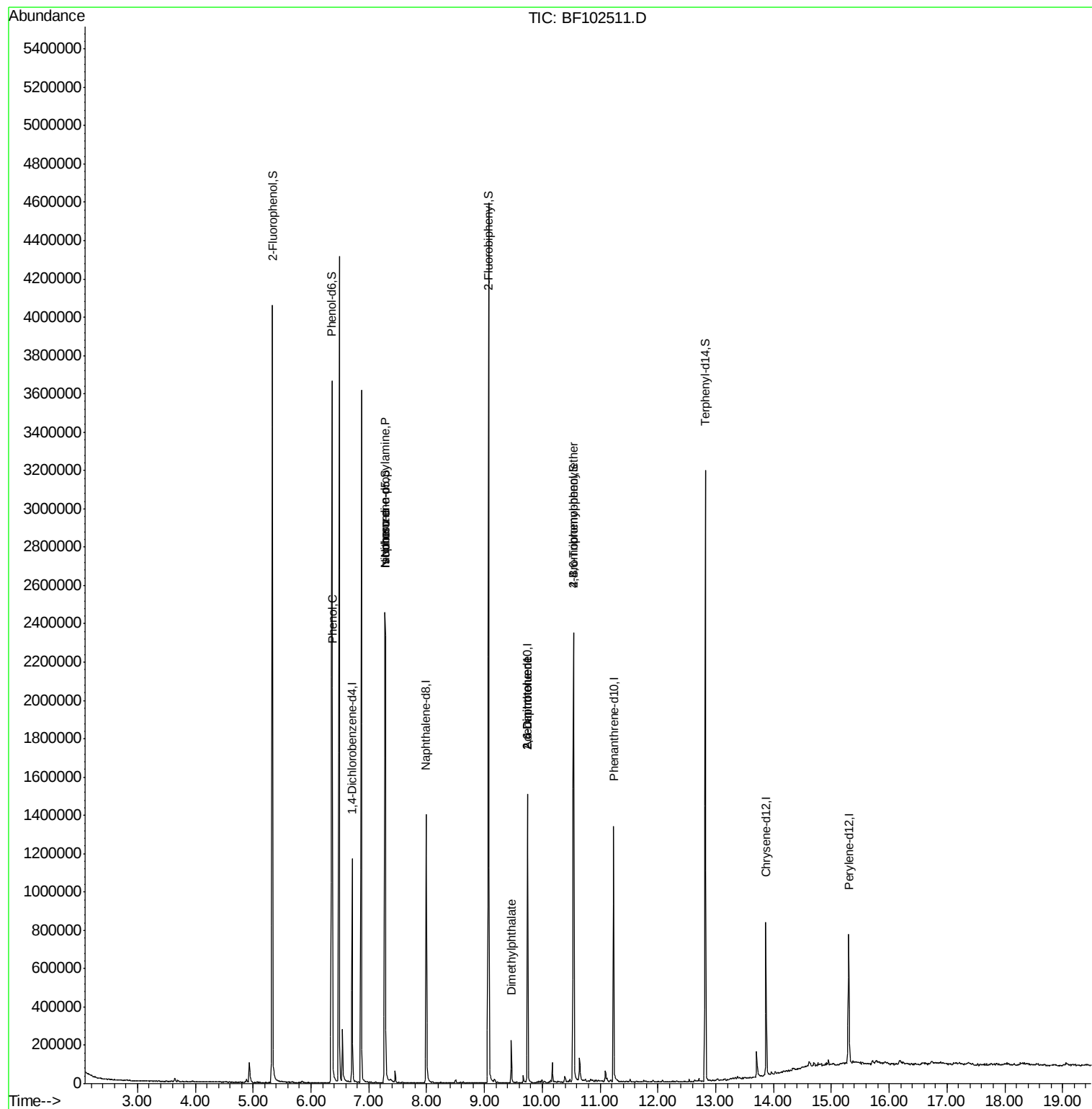
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 171364   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.99  | 136  | 708790   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 305323   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.23 | 188  | 467550   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 298579   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.30 | 264  | 300742   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 1301218  | 115.13 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.36  | 99   | 1601848  | 117.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 1021183  | 82.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 294696   | 97.41  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1660733  | 79.98  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 1126579  | 85.06  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.37  | 94   | 29844    | 2.006  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 135375   | 16.235 | ng    | # 81     |
| 25) Isophorone                 | 7.28  | 82   | 1017437  | 46.272 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 104499   | 4.141  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 38413    | 7.060  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 38413    | 5.741  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 20128    | 3.999  | ng    | # 1      |

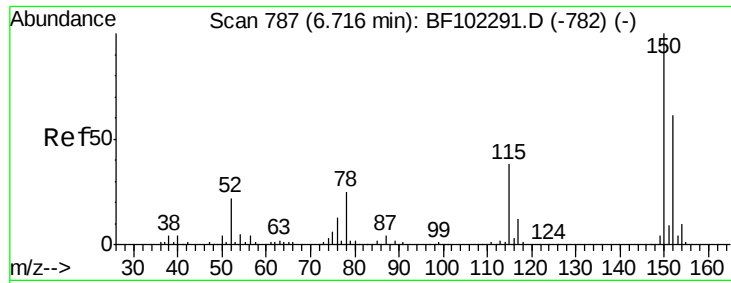
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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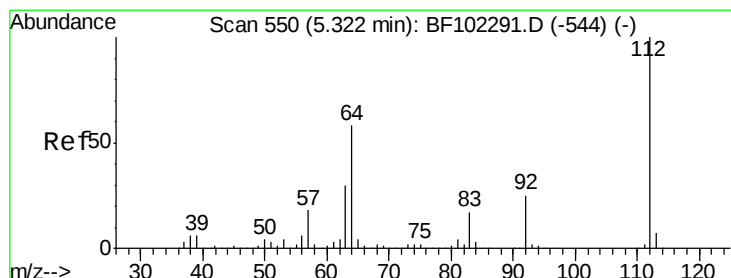
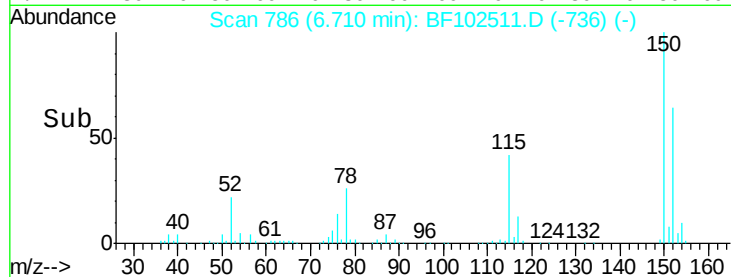
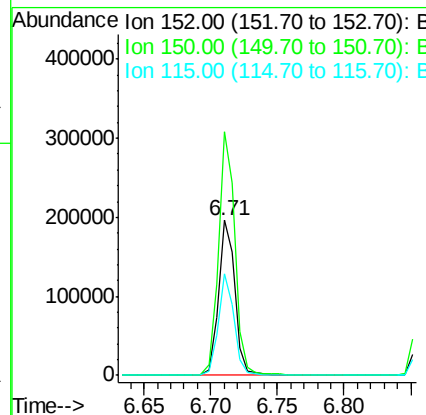
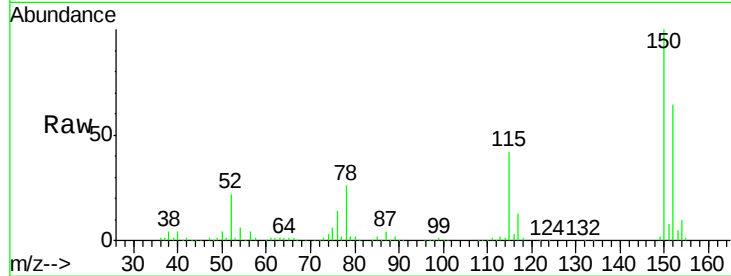


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8-SAN-3-EW(5-6)

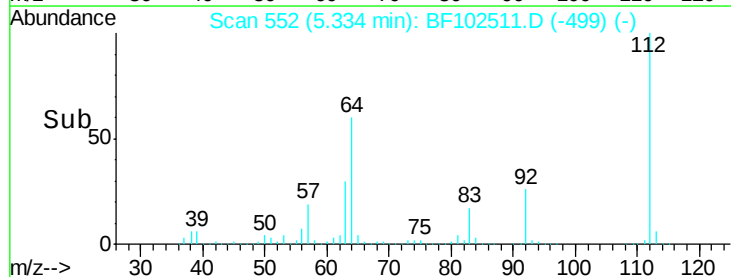
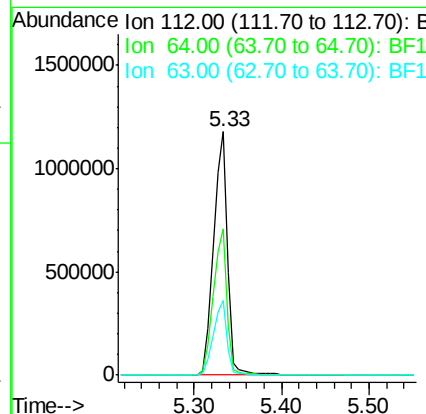
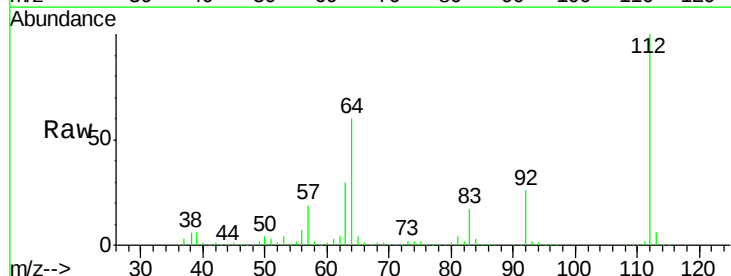
Tgt Ion:152 Resp: 171364  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 124.6 186.8  
 115 65.5 50.1 75.1

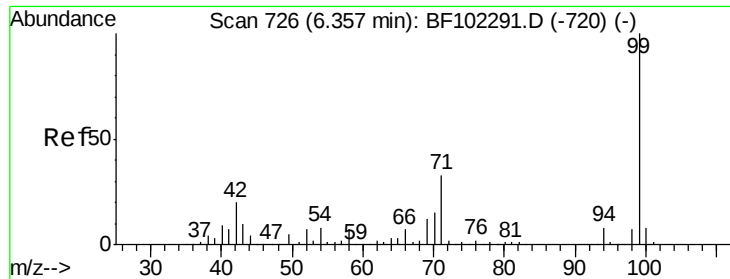


#5

2-Fluorophenol  
 Concen: 115.134 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. 0.01 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Tgt Ion:112 Resp: 1301218  
 Ion Ratio Lower Upper  
 112 100  
 64 59.9 47.9 71.9  
 63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 117.564 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

Instrument :

BNA\_F

ClientSampleId :

8-SAN-3-EW(5-6)

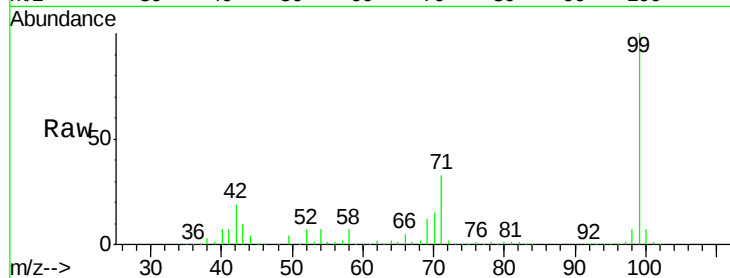
Tgt Ion: 99 Resp: 1601848

Ion Ratio Lower Upper

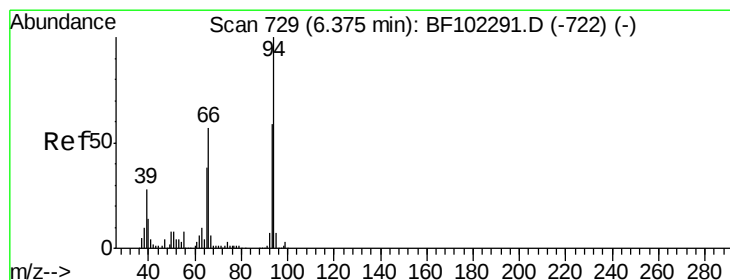
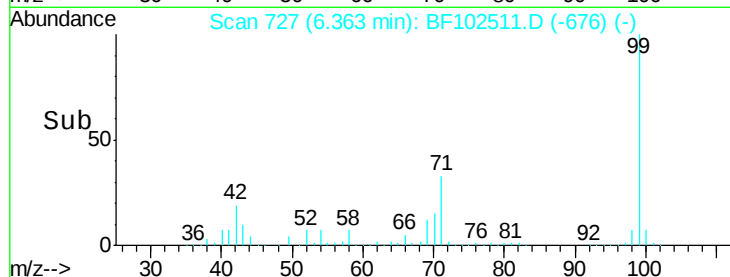
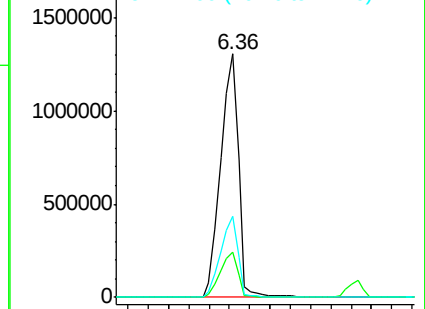
99 100

42 18.8 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: 2.006 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

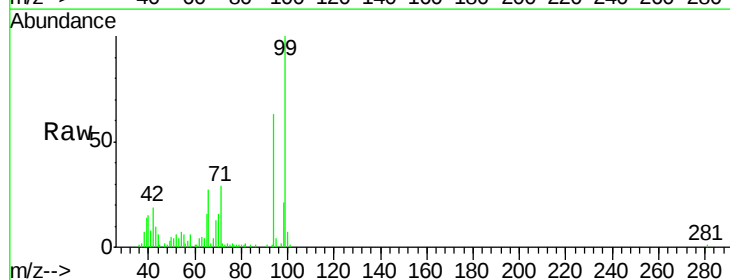
Tgt Ion: 94 Resp: 29844

Ion Ratio Lower Upper

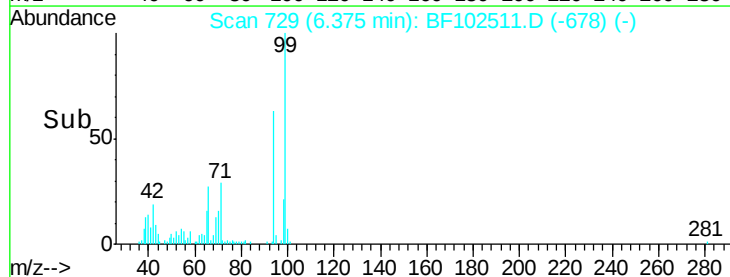
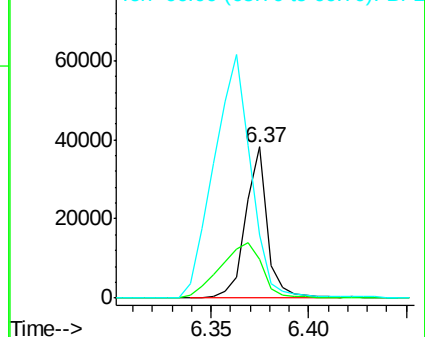
94 100

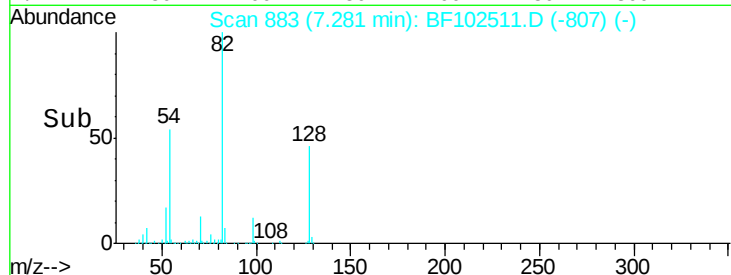
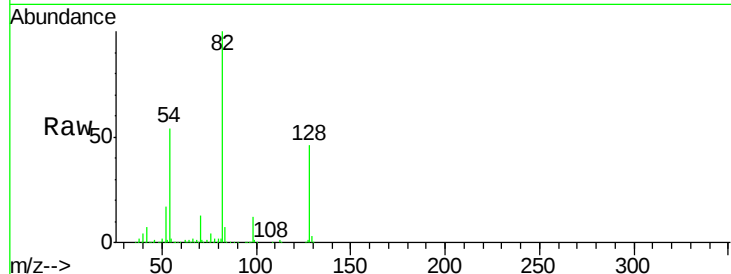
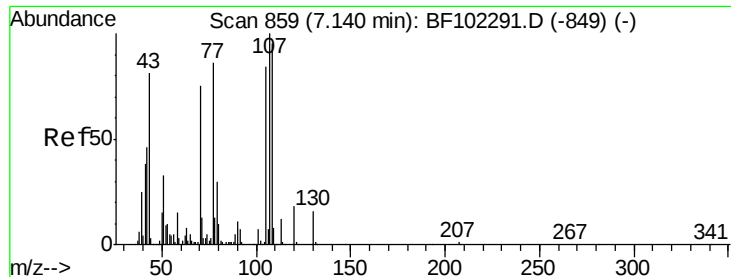
65 25.7 7.9 47.9

66 42.1 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

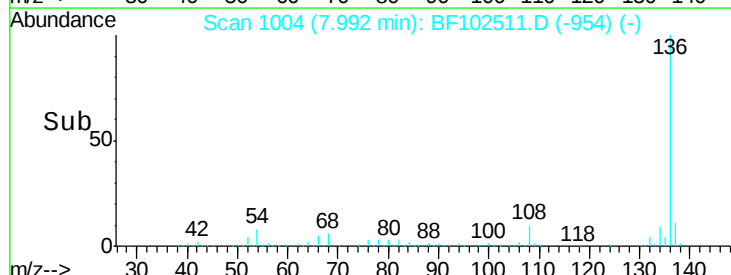
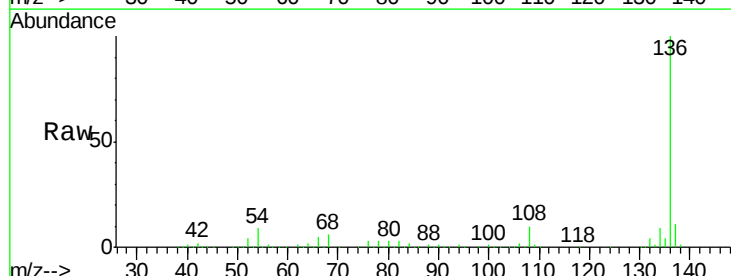
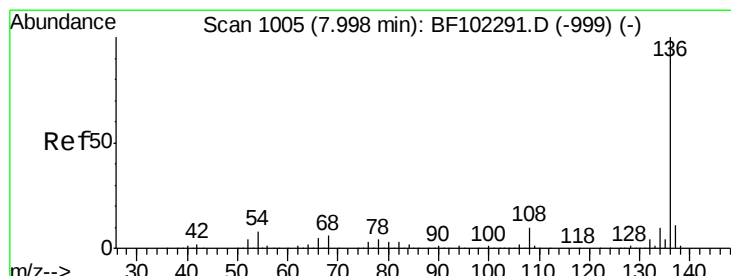
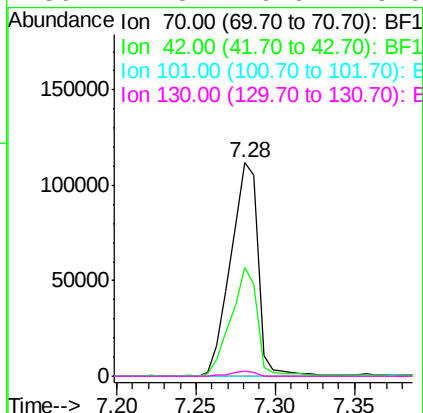




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.235 ng  
RT: 7.28 min Scan# 883  
Delta R.T. 0.15 min  
Lab File: BF102511.D  
Acq: 27 Jan 2018 15:32

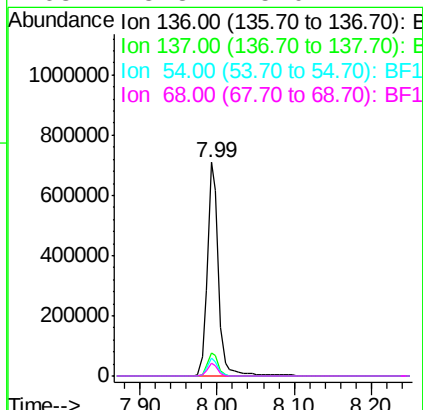
Instrument :  
BNA\_F  
ClientSampleId :  
8-SAN-3-EW(5-6)

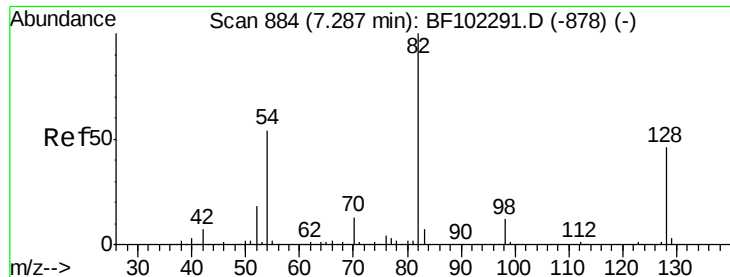
Tgt Ion: 70 Resp: 135375  
Ion Ratio Lower Upper  
70 100  
42 51.1 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.3 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF102511.D  
Acq: 27 Jan 2018 15:32

Tgt Ion: 136 Resp: 708790  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.5 6.6 9.8  
68 5.8 5.0 7.4

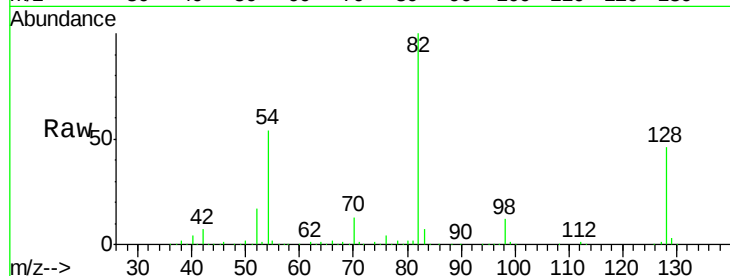




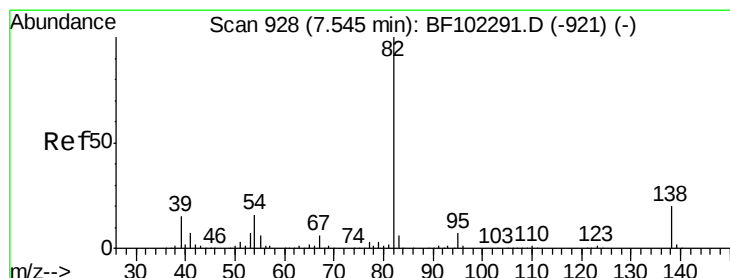
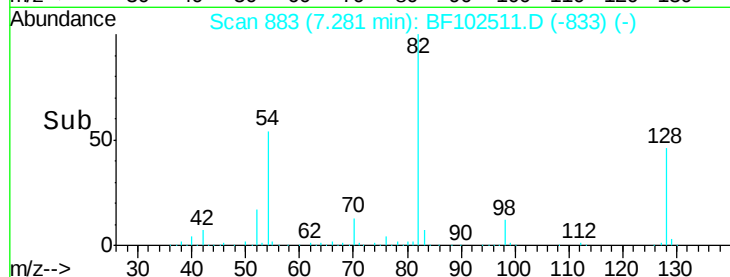
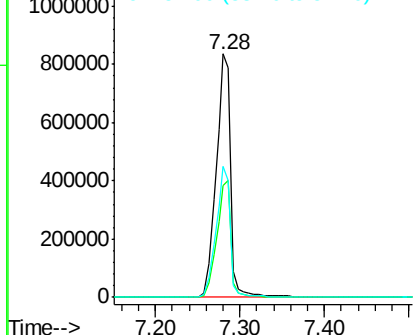
#23  
 Nitrobenzene-d5  
 Concen: 82.795 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8-SAN-3-EW(5-6)

Tgt Ion: 82 Resp: 1021183  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 36.1 54.1  
 54 53.8 41.4 62.2

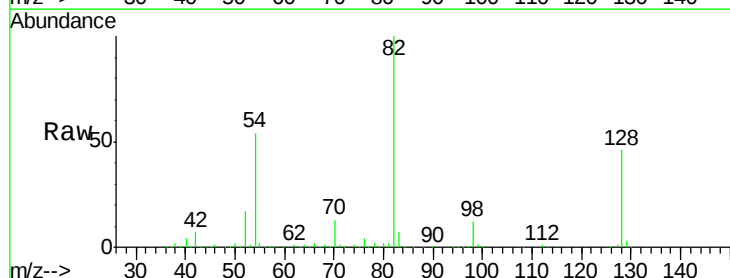


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

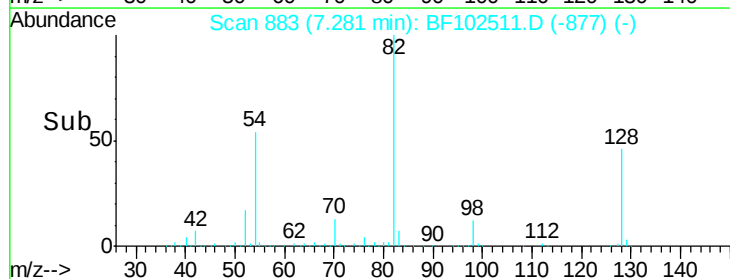
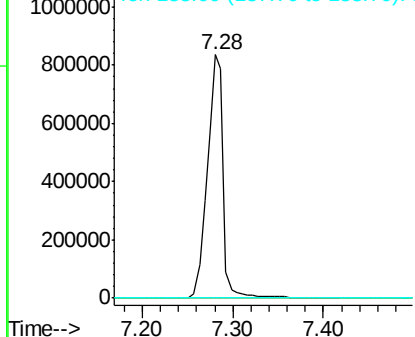


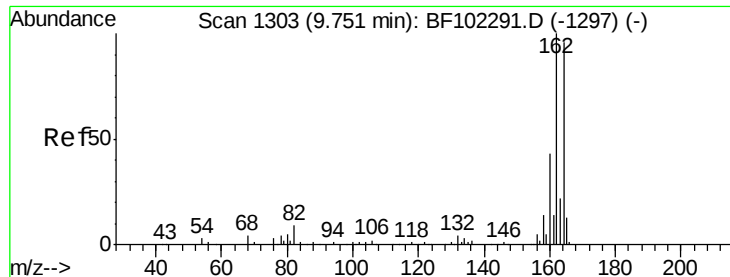
#25  
 Isophorone  
 Concen: 46.272 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.26 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Tgt Ion: 82 Resp: 1017437  
 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# 1302

Delta R.T. -0.01 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

Instrument :

BNA\_F

ClientSampleId :

8-SAN-3-EW(5-6)

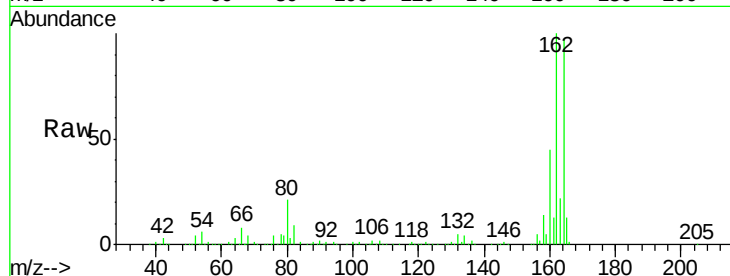
Tgt Ion:164 Resp: 305323

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

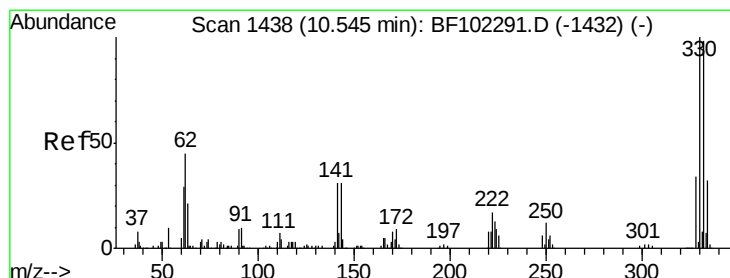
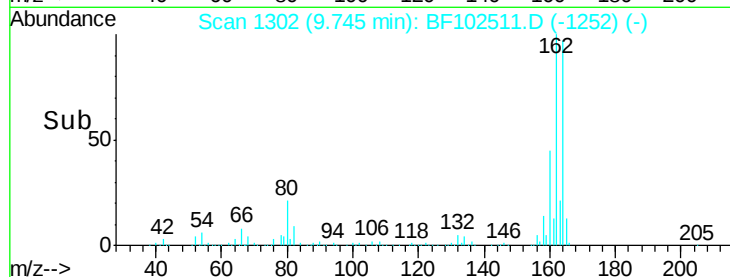
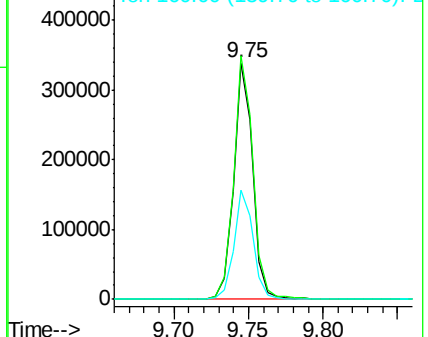
160 46.0 38.3 57.5



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: 97.410 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

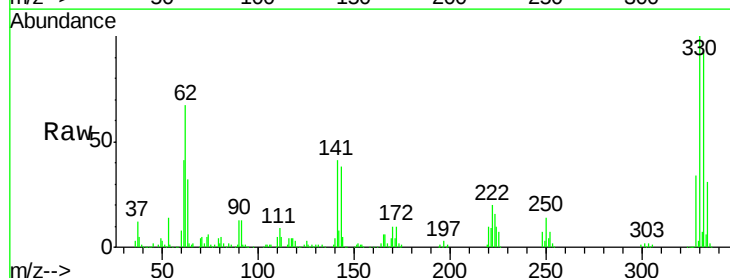
Tgt Ion:330 Resp: 294696

Ion Ratio Lower Upper

330 100

332 92.8 77.0 115.6

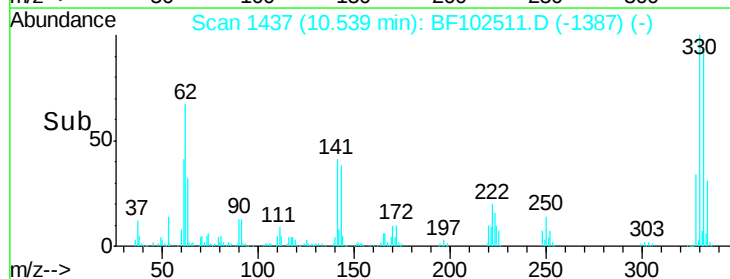
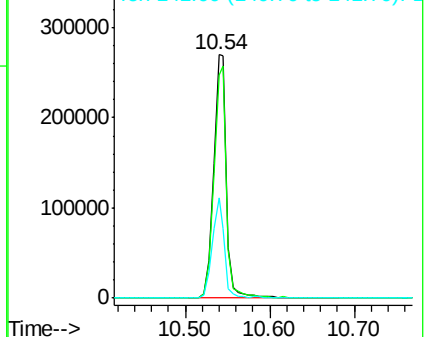
141 38.9 29.9 44.9

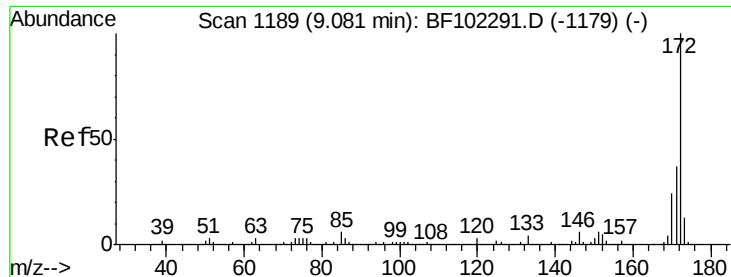


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

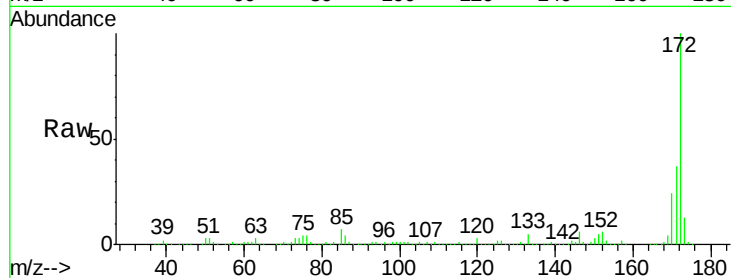




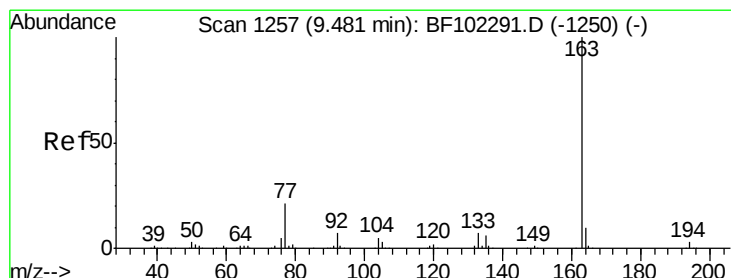
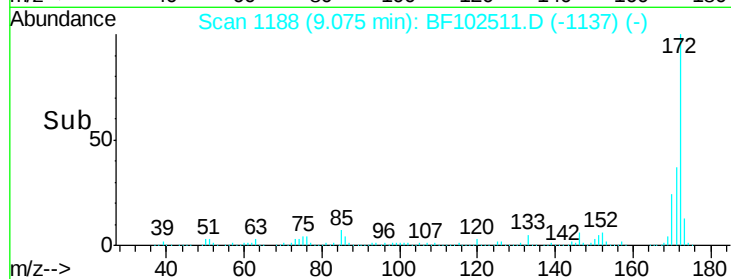
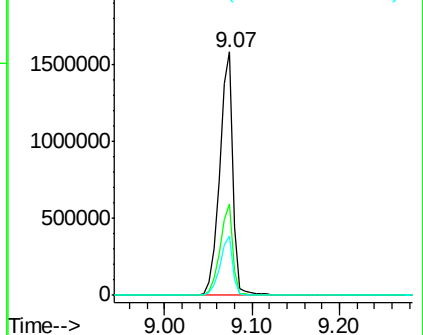
#44  
 2-Fluorobiphenyl  
 Concen: 79.976 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Instrument :  
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Tgt Ion:172 Resp: 1660733  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.7 44.5  
 170 24.3 19.6 29.4

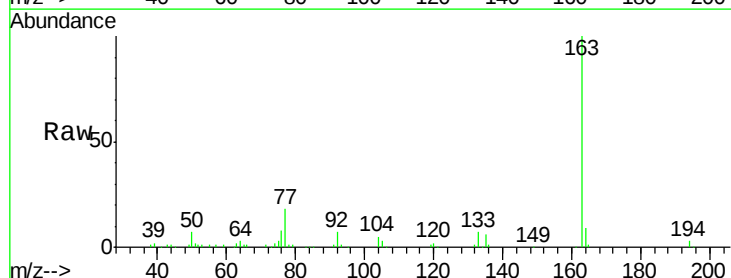


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

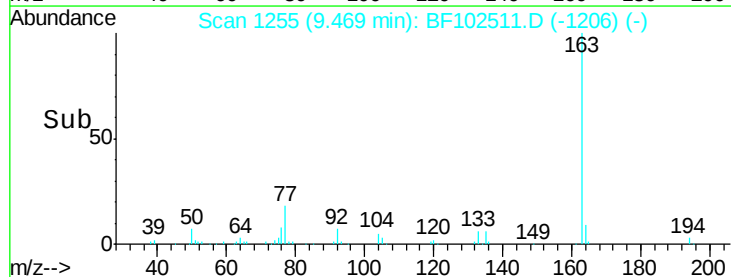
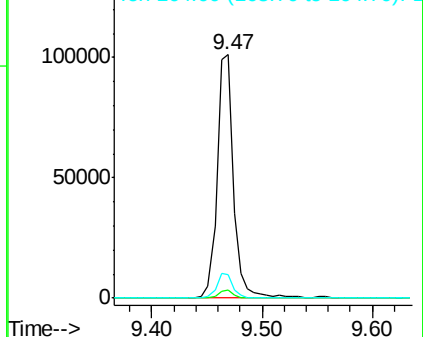


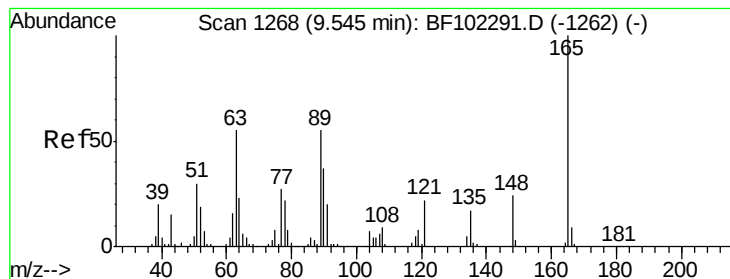
#49  
 Dimethylphthalate  
 Concen: 4.141 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF102511.D  
 Acq: 27 Jan 2018 15:32

Tgt Ion:163 Resp: 104499  
 Ion Ratio Lower Upper  
 163 100  
 194 3.2 2.7 4.1  
 164 9.5 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





#50

2,6-Dinitrotoluene

Concen: 7.060 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.19 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

Instrument :

BNA\_F

ClientSampleId :

8-SAN-3-EW(5-6)

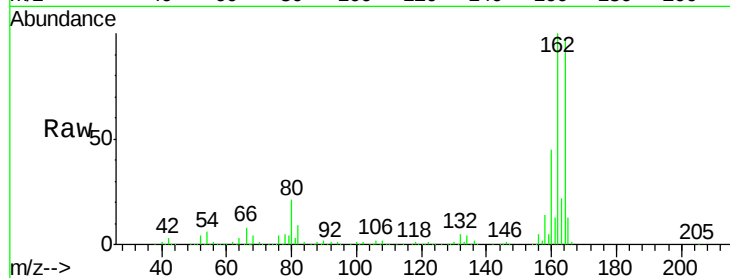
Tgt Ion:165 Resp: 38413

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

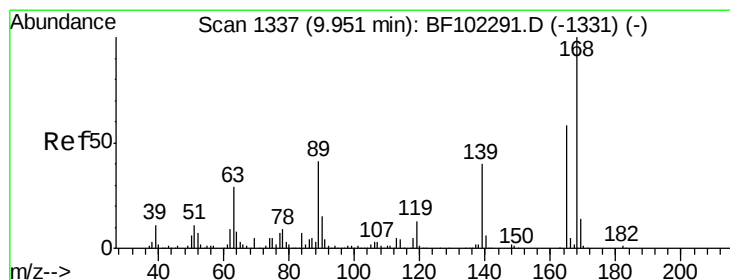
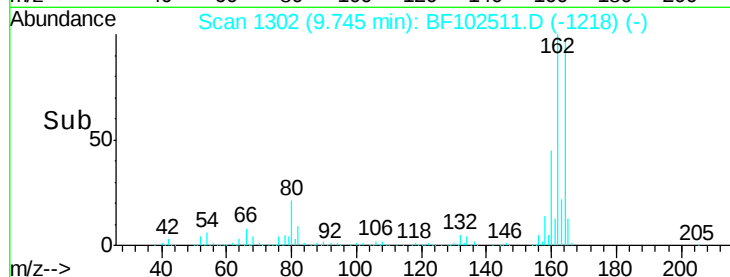
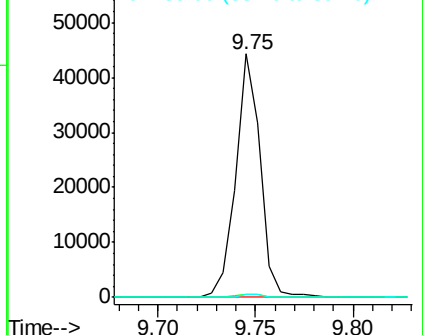
89 1.3 44.0 66.0#



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: 5.741 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

Tgt Ion:165 Resp: 38413

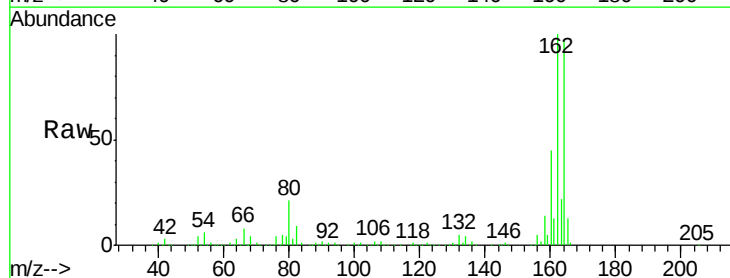
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

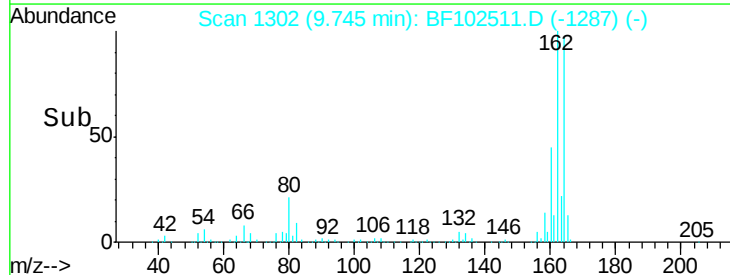
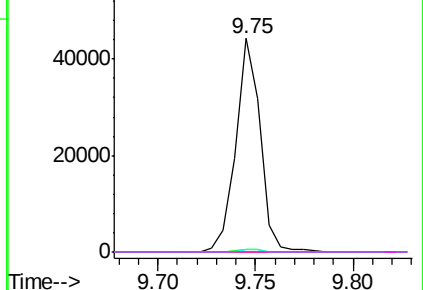


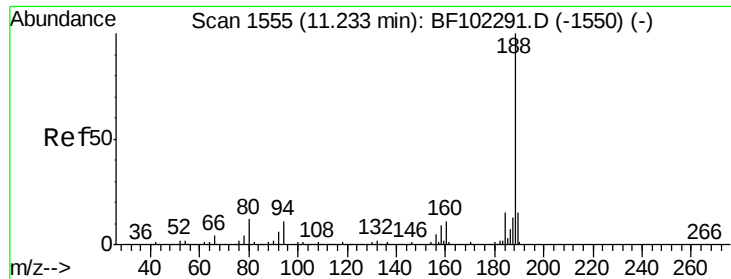
Abundance Ion 165.00 (164.70 to 165.70): E

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

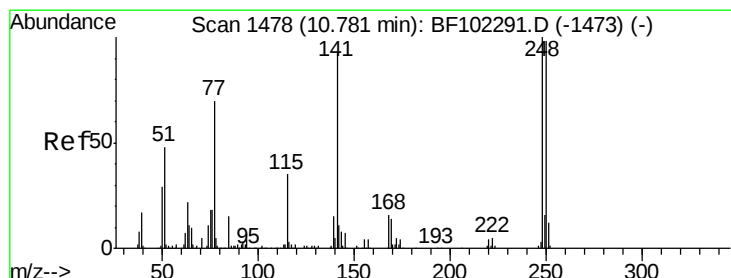
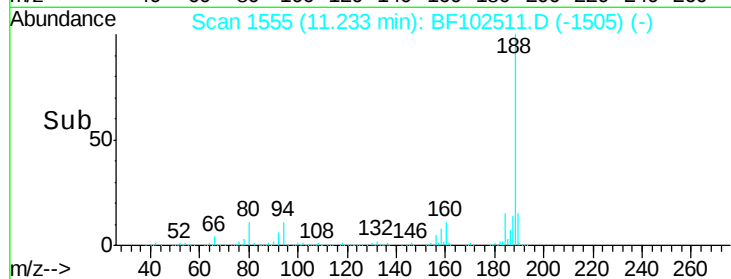
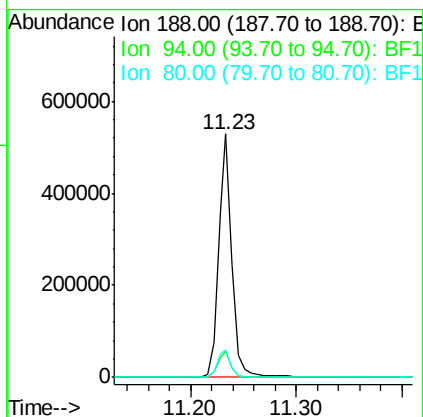
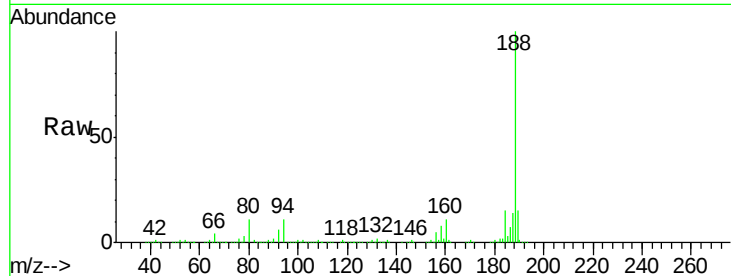




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.01 min  
Lab File: BF102511.D  
Acq: 27 Jan 2018 15:32

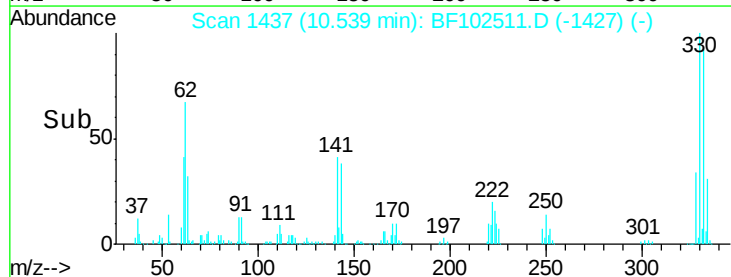
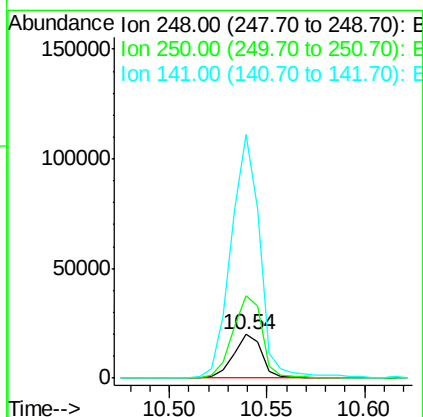
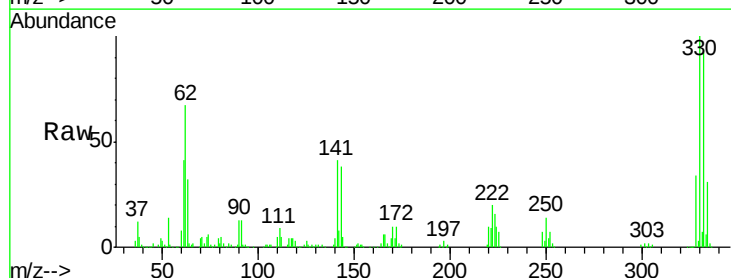
Instrument :  
BNA\_F  
ClientSampleId :  
8-SAN-3-EW(5-6)

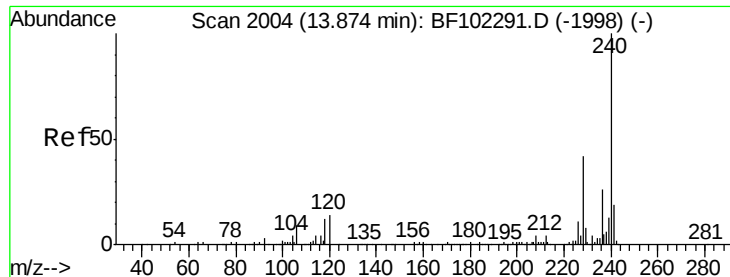
Tgt Ion:188 Resp: 467550  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.5 12.7  
80 11.0 9.2 13.8



#66  
4-Bromophenyl-phenylether  
Concen: 3.999 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.24 min  
Lab File: BF102511.D  
Acq: 27 Jan 2018 15:32

Tgt Ion:248 Resp: 20128  
Ion Ratio Lower Upper  
248 100  
250 189.9 76.9 115.3#  
141 560.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

Instrument :

BNA\_F

ClientSampleId :

8-SAN-3-EW(5-6)

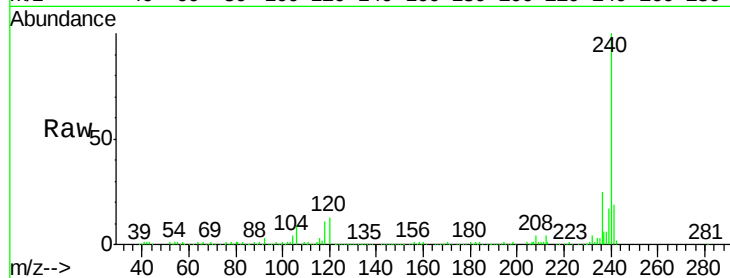
Tgt Ion:240 Resp: 298579

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

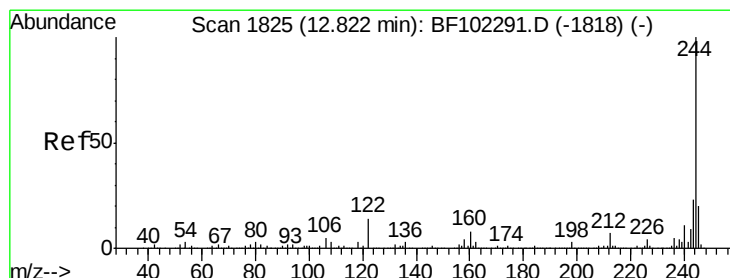
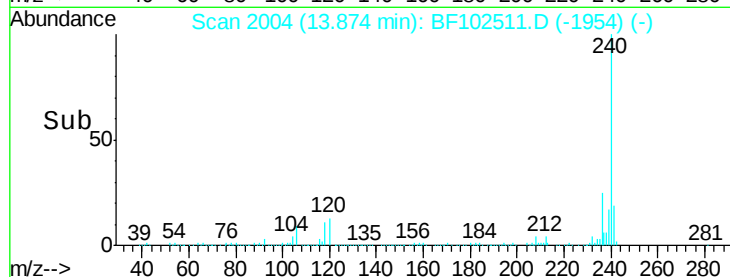
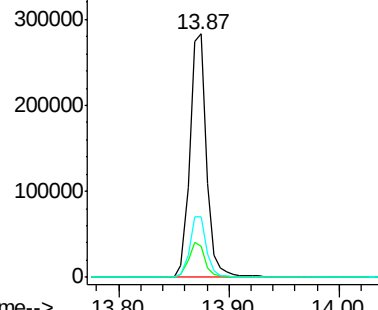
236 24.9 20.7 31.1



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: 85.060 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102511.D

Acq: 27 Jan 2018 15:32

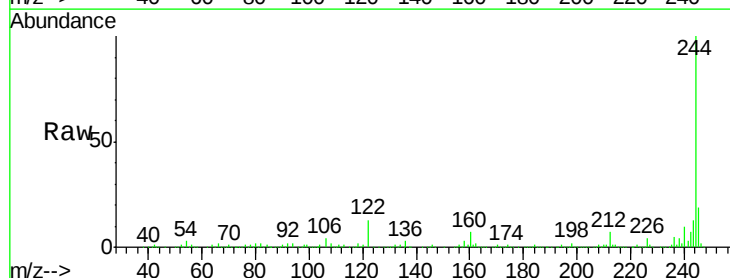
Tgt Ion:244 Resp: 1126579

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

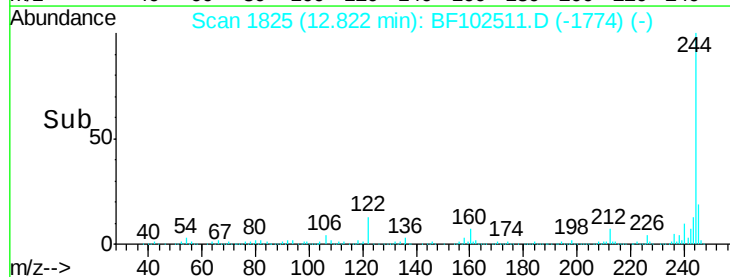
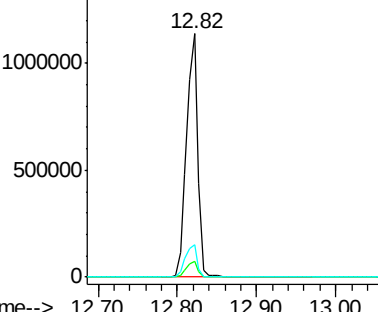
122 13.1 11.0 16.4

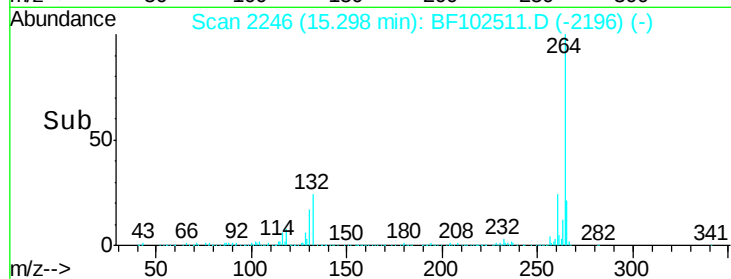
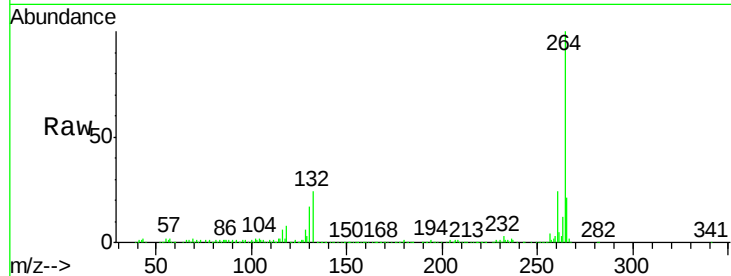
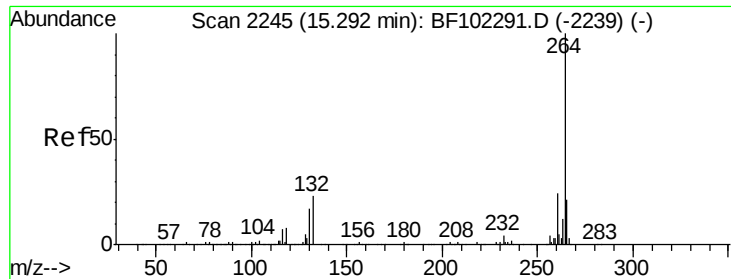


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.30 min Scan# 2246  
Delta R.T. -0.01 min  
Lab File: BF102511.D  
Acq: 27 Jan 2018 15:32

Instrument :  
BNA\_F  
ClientSampleId :  
8-SAN-3-EW(5-6)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |

