

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\  
 Data File : BF102396.D  
 Acq On : 24 Jan 2018 18:18  
 Operator : SJ/JU  
 Sample : J1249-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 25 00:09:35 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 23 00:43:41 2018  
 Response via : Initial Calibration

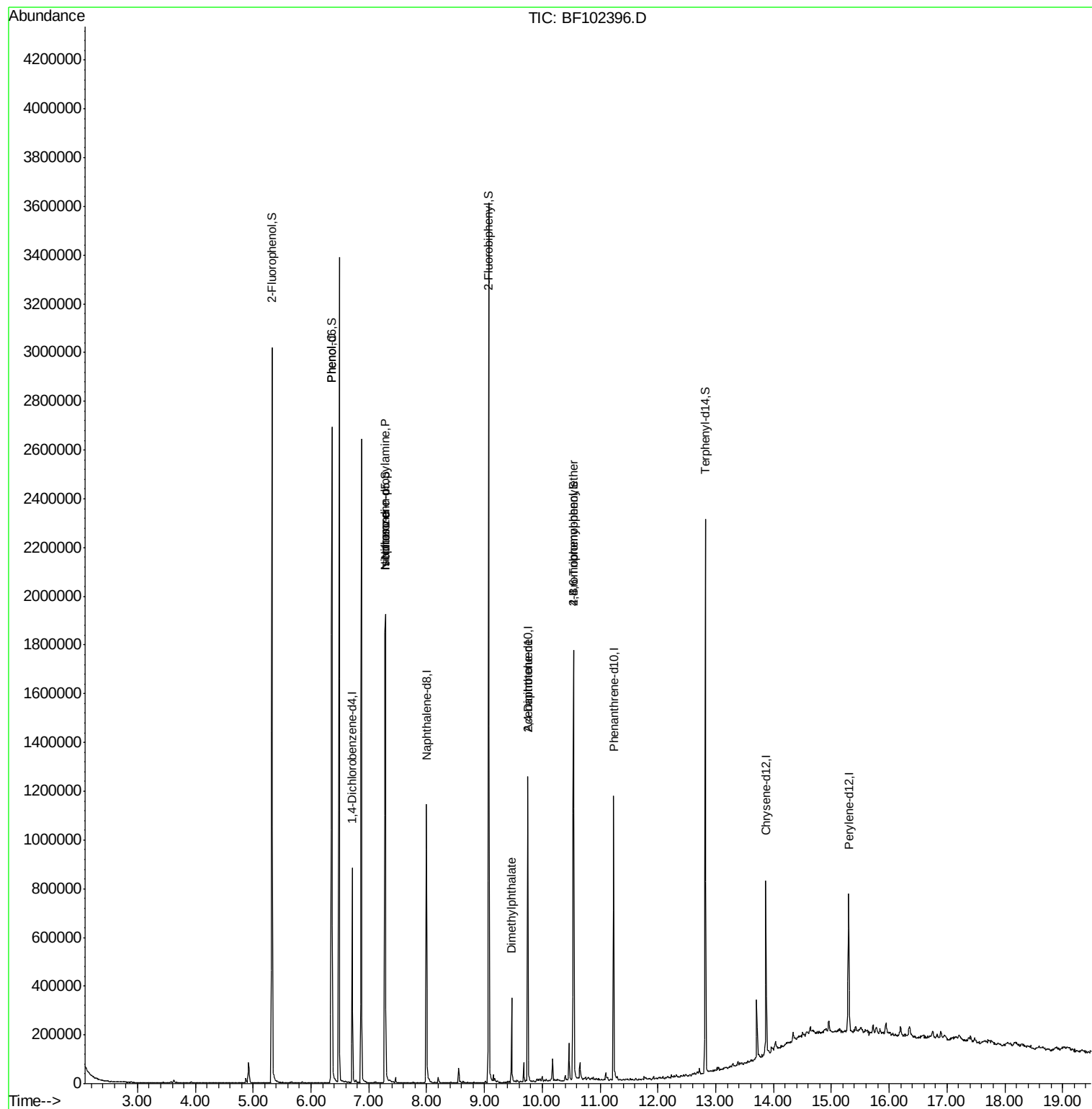
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 129844   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 543892   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 242953   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.23 | 188  | 395679   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 256159   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.30 | 264  | 243188   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 932491   | 108.89 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 1145957  | 111.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 720247   | 76.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 197628   | 82.09  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1096355  | 66.35  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 749498   | 65.96  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.37  | 94   | 62559    | 5.550  | ng    | 92       |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 93958    | 14.871 | ng    | # 77     |
| 25) Isophorone                 | 7.29  | 82   | 707692   | 41.943 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 131830   | 6.565  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 30370    | 5.704  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 13384    | 3.142  | ng    | # 1      |

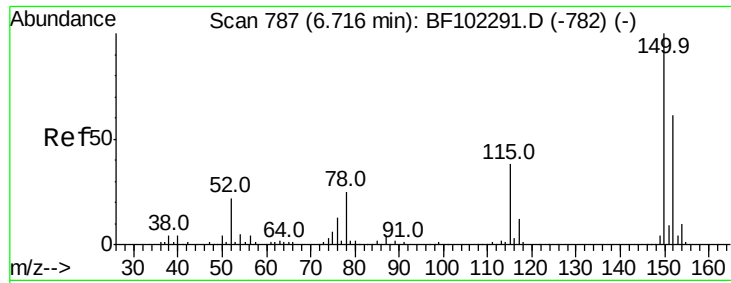
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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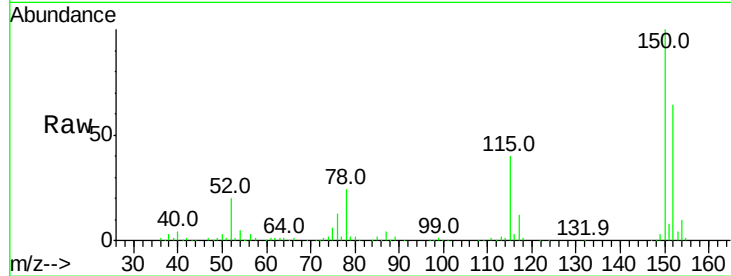


#1

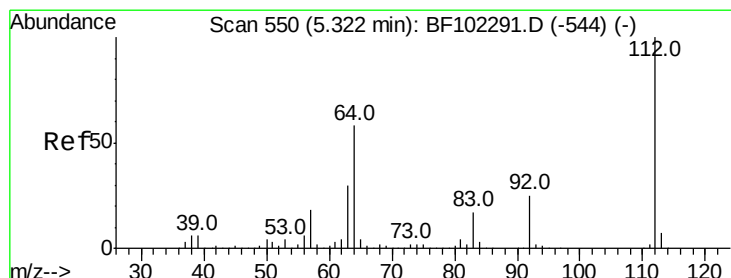
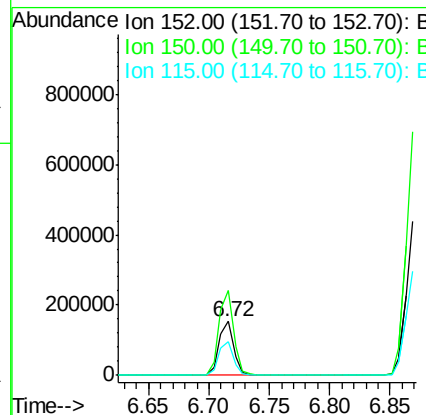
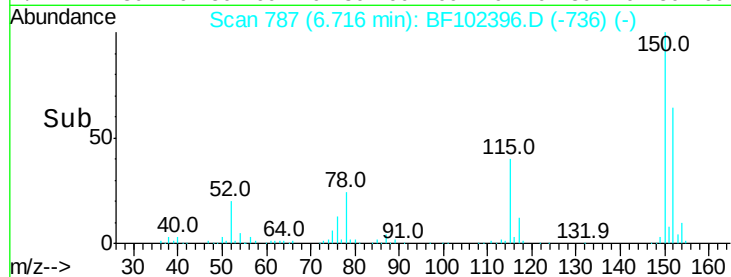
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF102396.D  
 Acq: 24 Jan 2018 18:18

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 129844  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.6 186.8  
 115 62.0 50.1 75.1



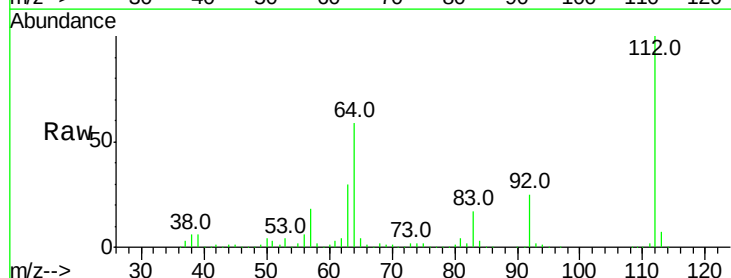
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



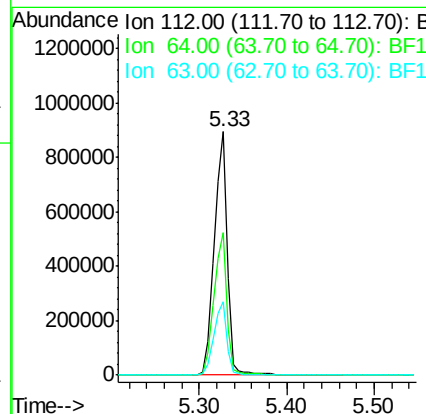
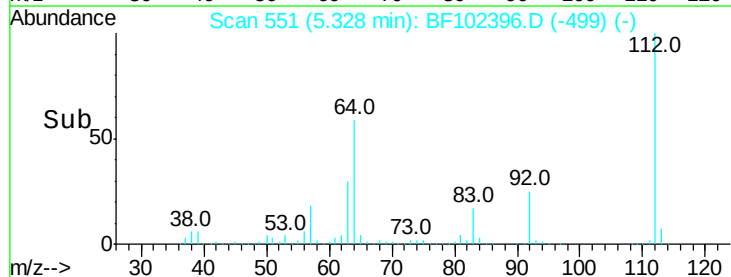
#5

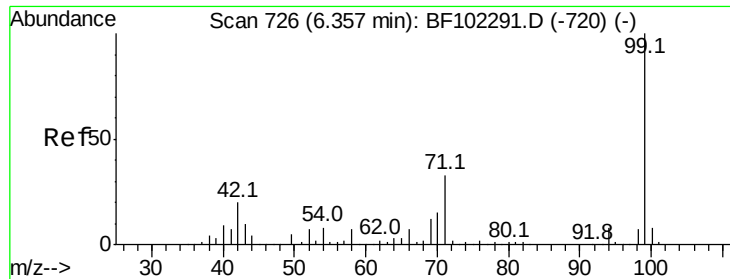
2-Fluorophenol  
 Concen: 108.892 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. 0.01 min  
 Lab File: BF102396.D  
 Acq: 24 Jan 2018 18:18

Tgt Ion:112 Resp: 932491  
 Ion Ratio Lower Upper  
 112 100  
 64 58.7 47.9 71.9  
 63 30.0 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: 110.999 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102396.D

Acq: 24 Jan 2018 18:18

Instrument :

BNA\_F

ClientSampleId :

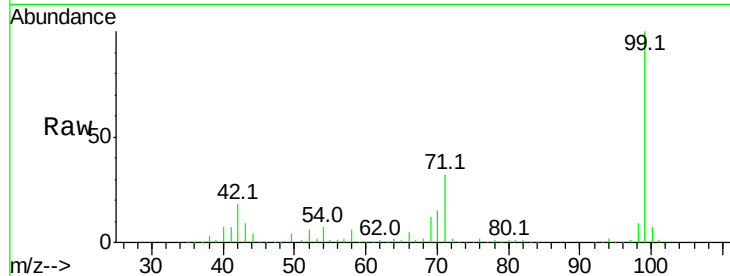
Tot Ion: 99 Resp: 1145957

Ion Ratio Lower Upper

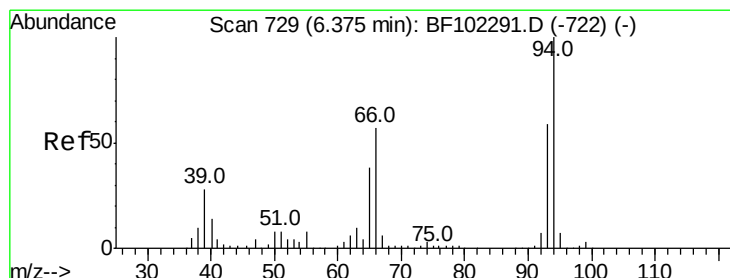
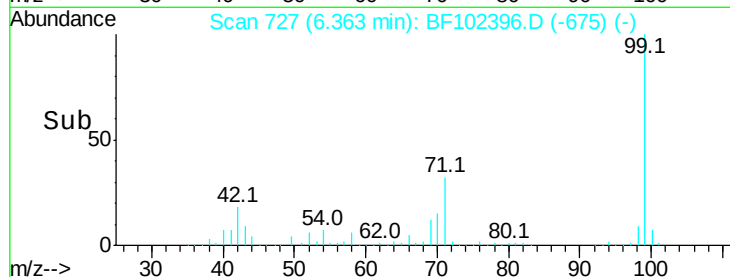
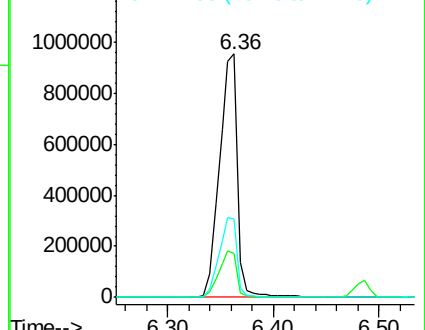
99 100

42 18.2 14.5 21.7

71 32.2 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: 5.550 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102396.D

Acq: 24 Jan 2018 18:18

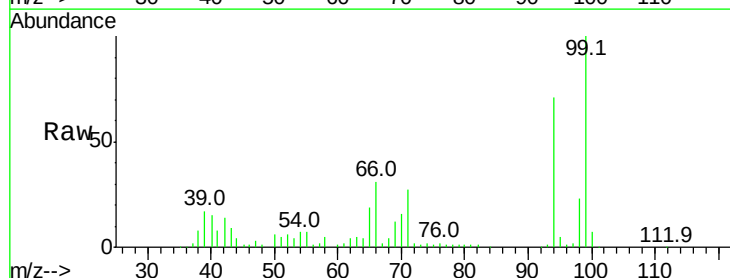
Tgt Ion: 94 Resp: 62559

Ion Ratio Lower Upper

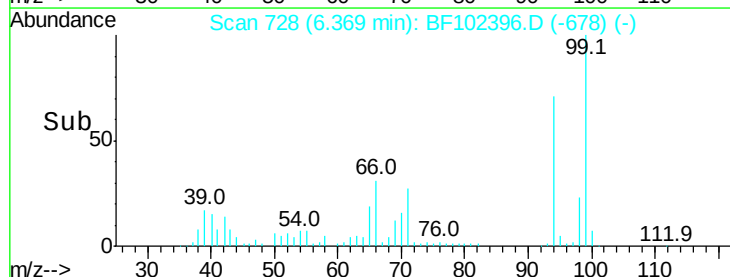
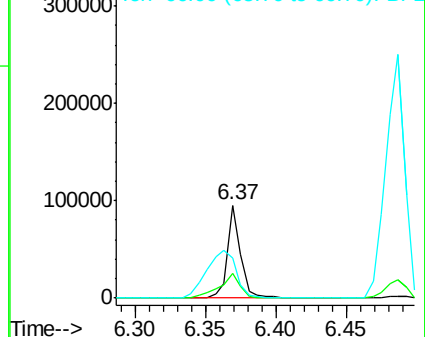
94 100

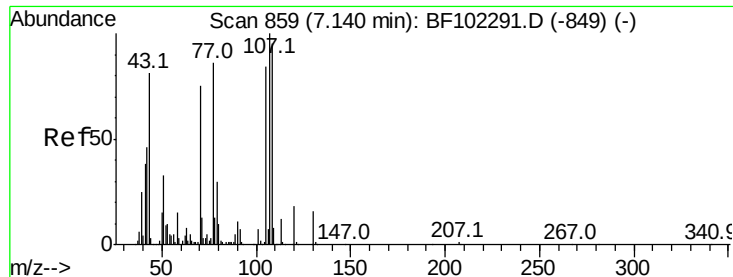
65 26.9 7.9 47.9

66 43.3 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

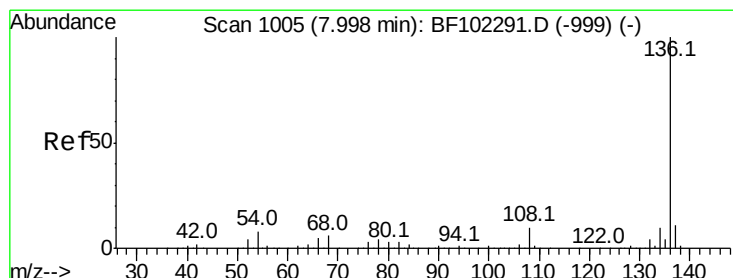
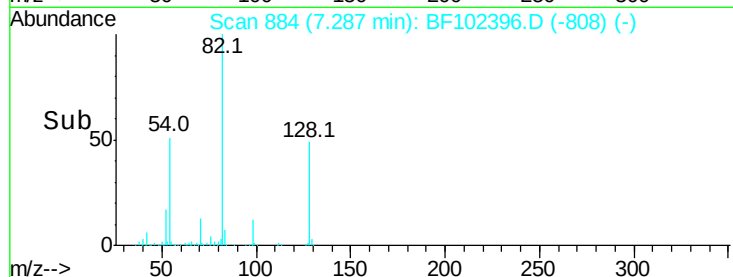
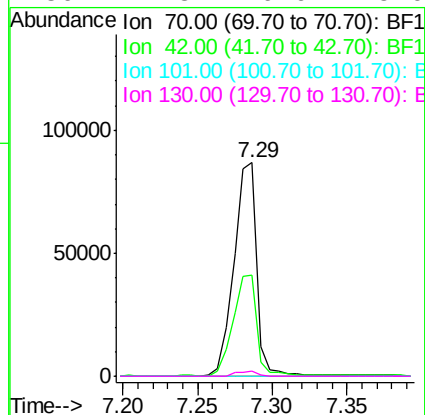
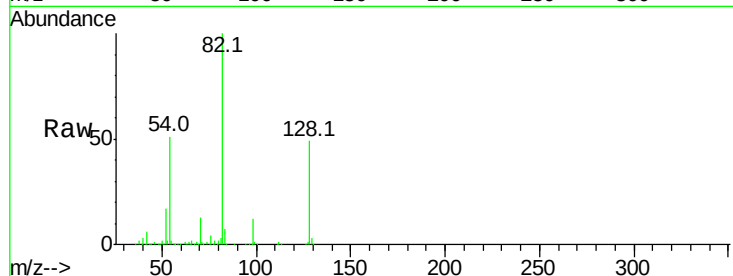




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.871 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.15 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

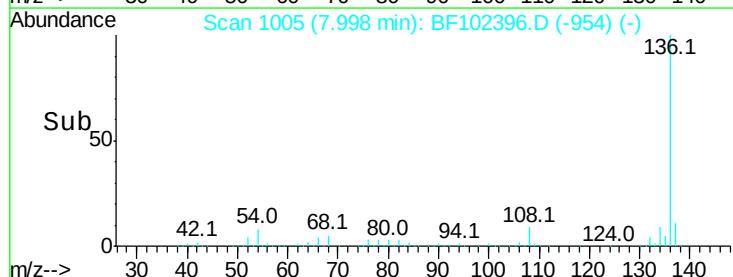
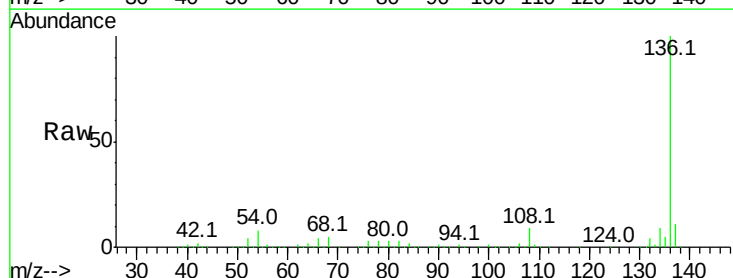
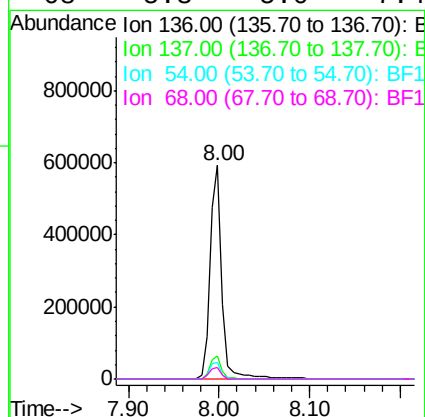
Instrument :  
BNA\_F  
ClientSampleId :

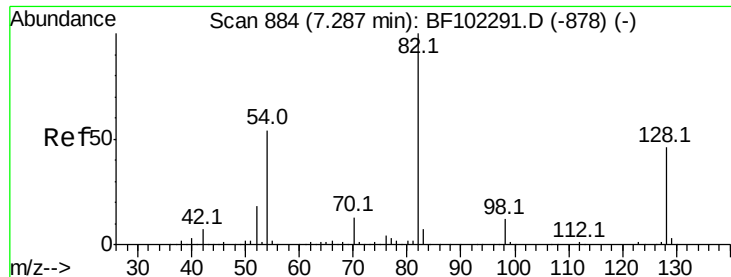
Tot Ion: 70 Resp: 93958  
Ion Ratio Lower Upper  
70 100  
42 47.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.3 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Tgt Ion:136 Resp: 543892  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 7.7 6.6 9.8  
68 5.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 76.100 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102396.D

Acq: 24 Jan 2018 18:18

Instrument :

BNA\_F

ClientSampleId :

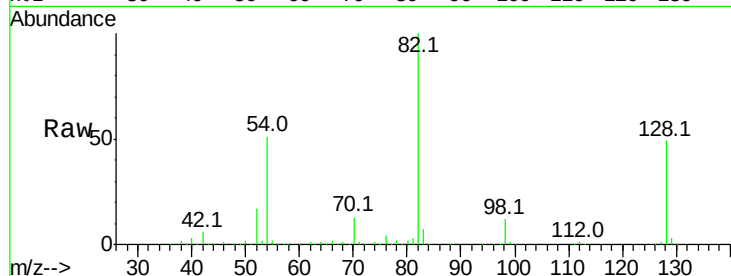
Tot Ion: 82 Resp: 720247

Ion Ratio Lower Upper

82 100

128 49.1 36.1 54.1

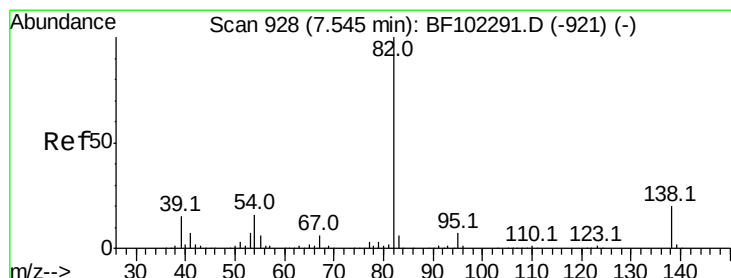
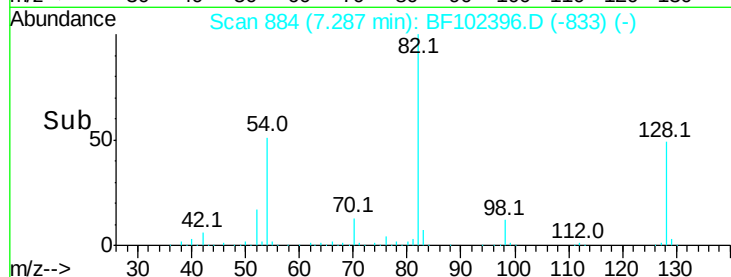
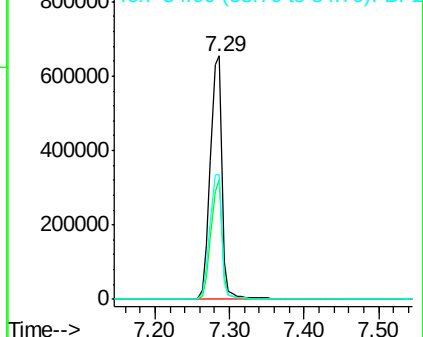
54 51.1 41.4 62.2



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: 41.943 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102396.D

Acq: 24 Jan 2018 18:18

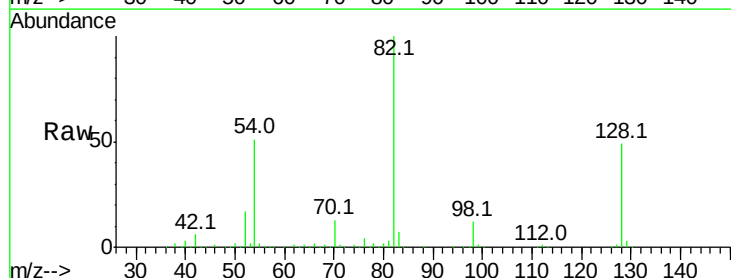
Tgt Ion: 82 Resp: 707692

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

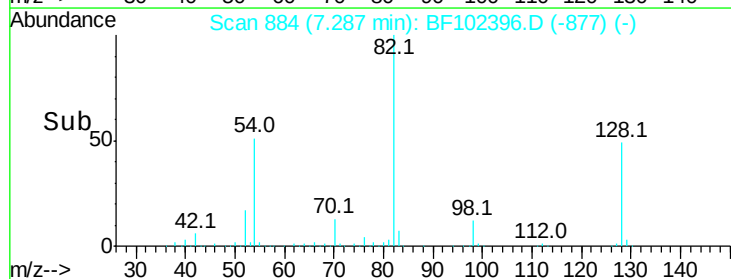
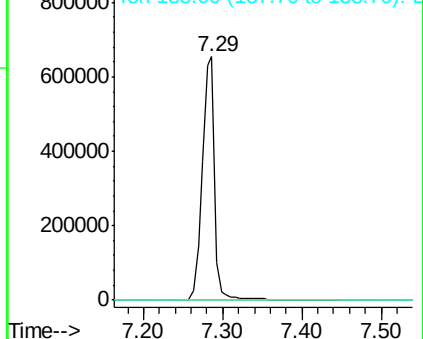
138 0.0 14.9 22.3#

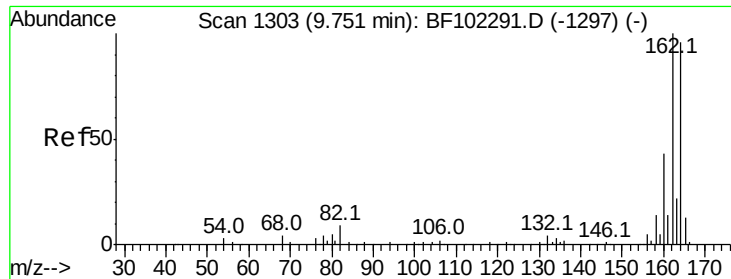


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

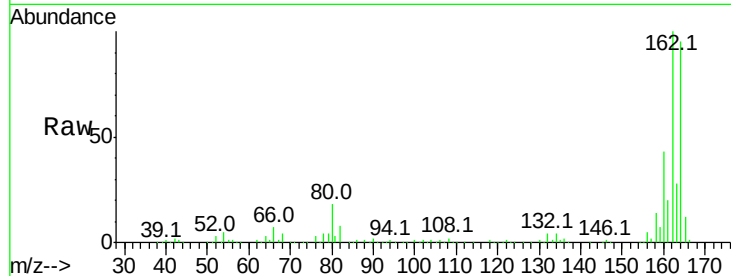




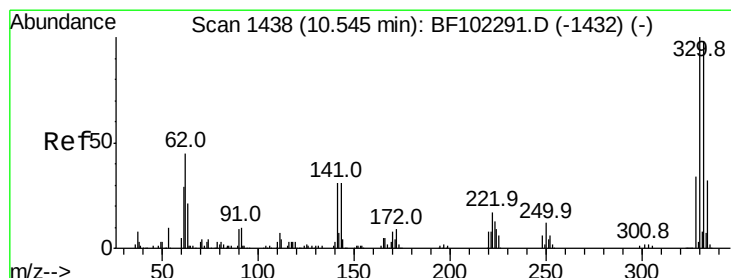
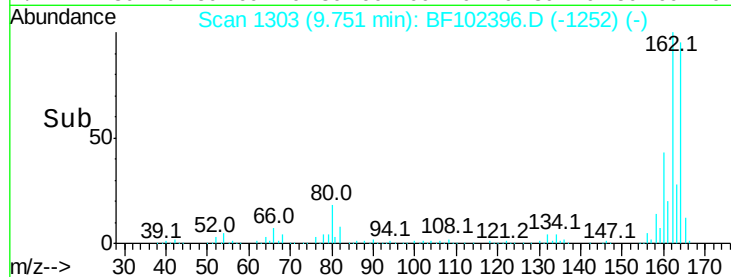
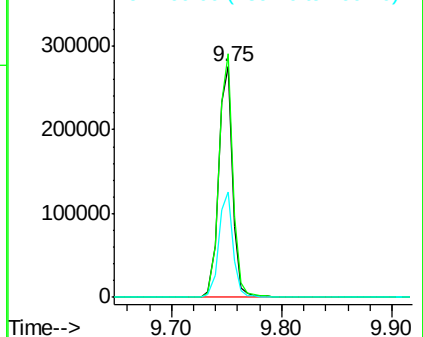
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 242953  
Ion Ratio Lower Upper  
164 100  
162 105.7 86.1 129.1  
160 45.5 38.3 57.5

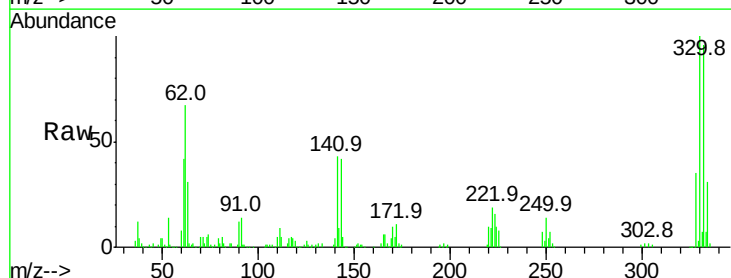


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

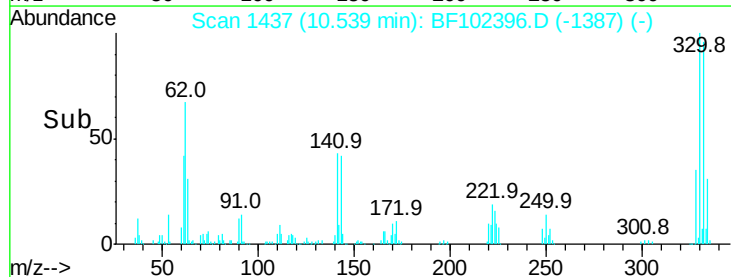
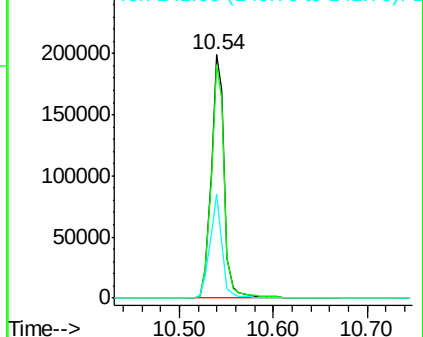


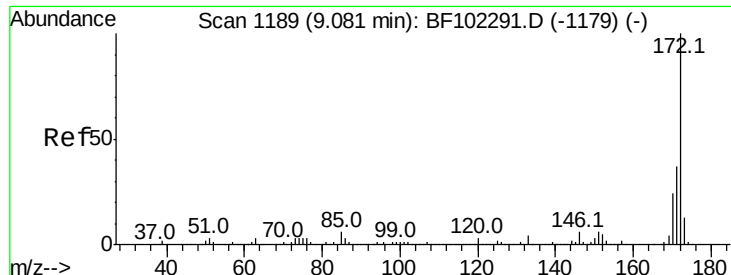
#41  
2,4,6-Tribromophenol  
Concen: 82.095 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Tgt Ion:330 Resp: 197628  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 39.7 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

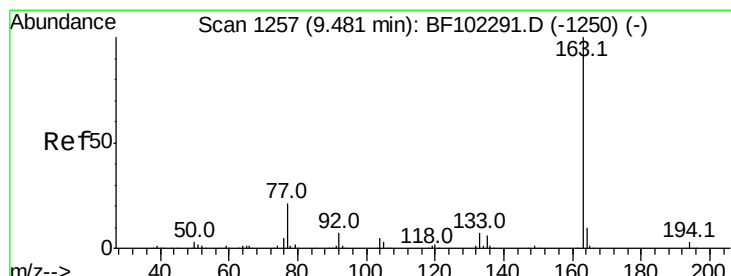
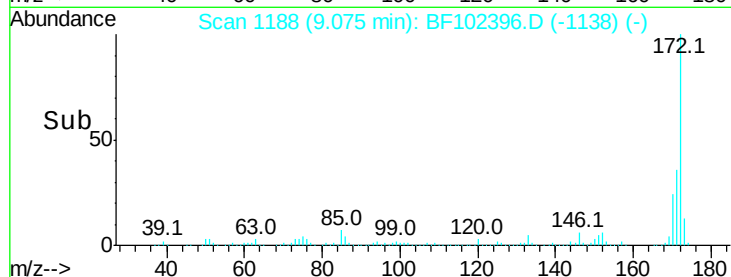
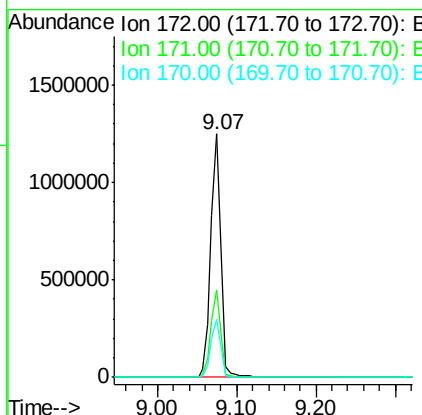
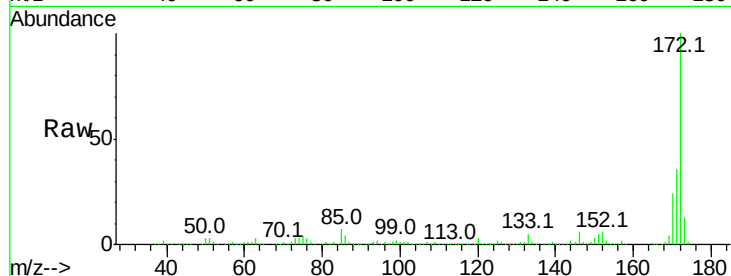




#44  
2-Fluorobiphenyl  
Concen: 66.351 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.01 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

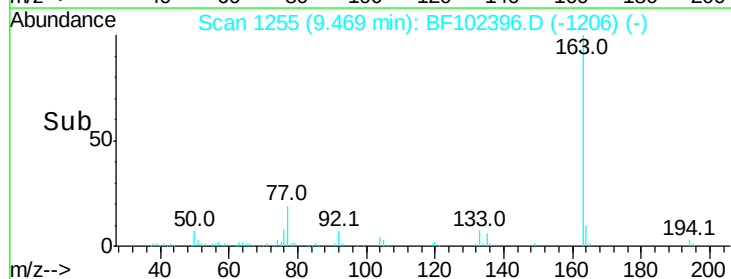
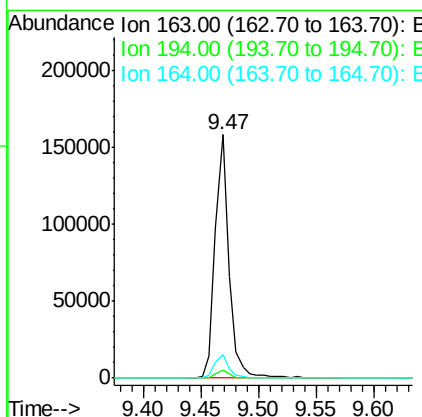
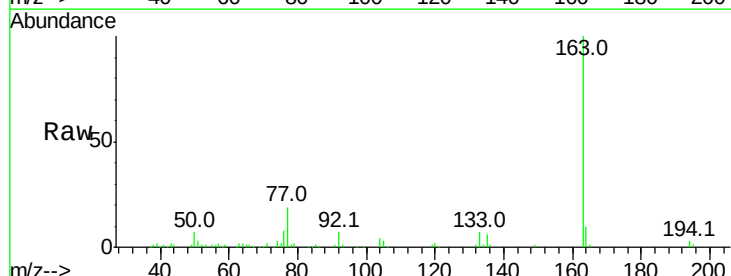
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1096355  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.7 44.5  
170 23.8 19.6 29.4

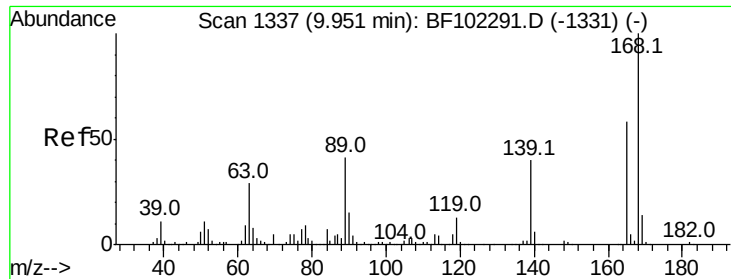


#49  
Dimethylphthalate  
Concen: 6.565 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Tgt Ion:163 Resp: 131830  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.7 4.1  
164 9.9 8.2 12.2



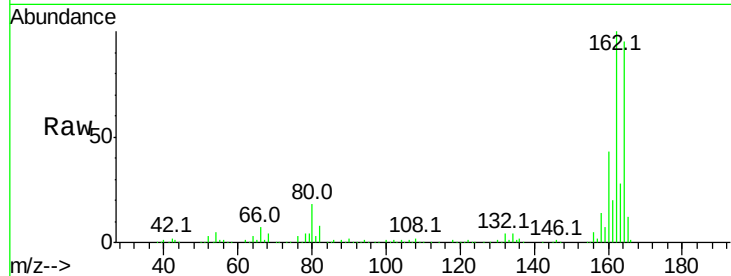




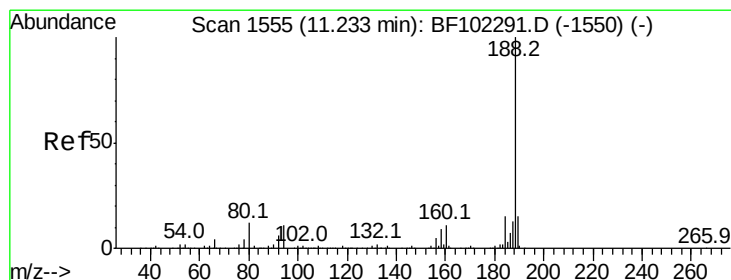
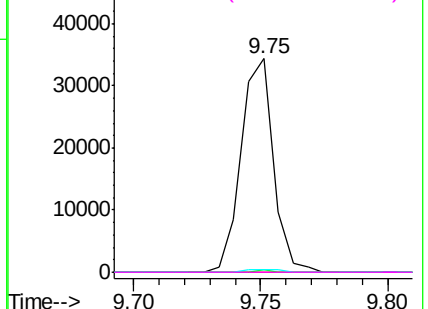
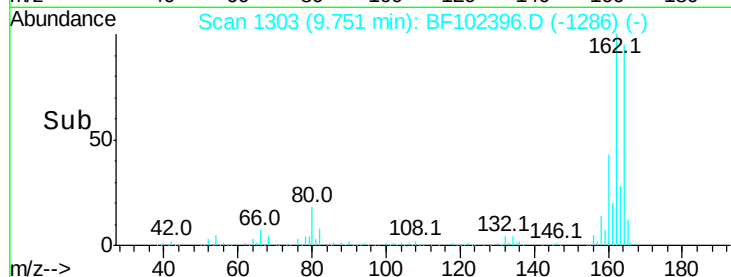
#56  
2,4-Dinitrotoluene  
Concen: 5.704 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.20 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 30370  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.4 54.6#  
89 1.4 57.8 86.6#  
182 0.0 1.6 2.4#

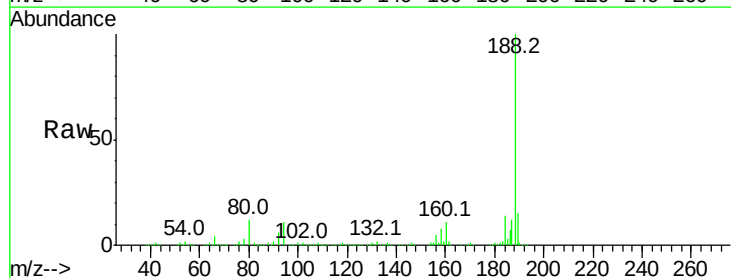


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

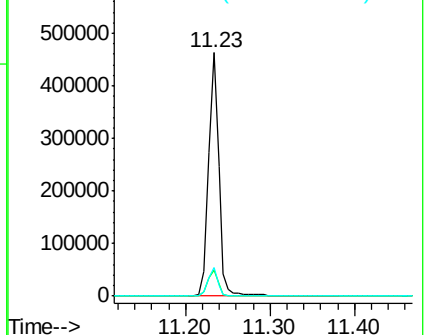
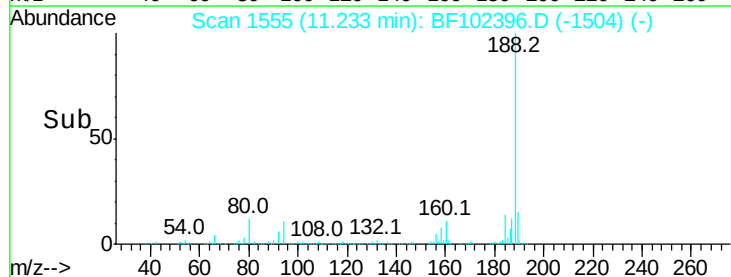


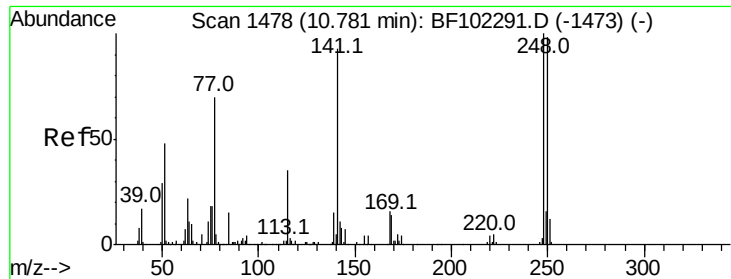
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.00 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Tgt Ion:188 Resp: 395679  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.5 12.7  
80 11.5 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

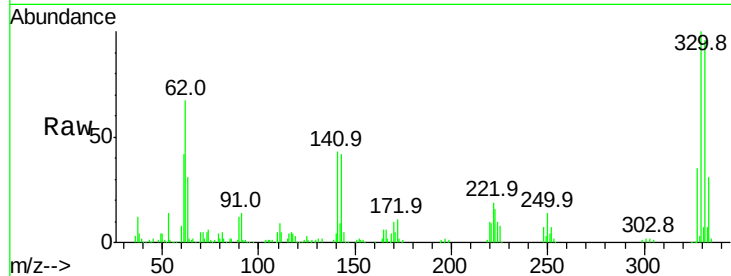




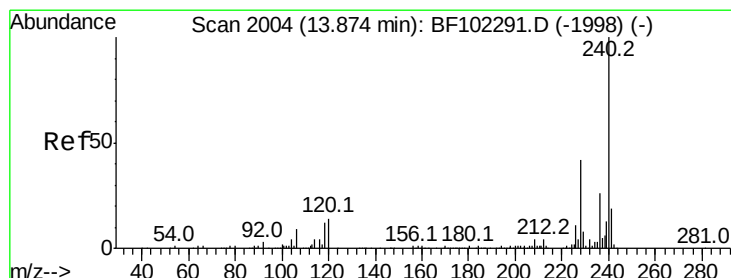
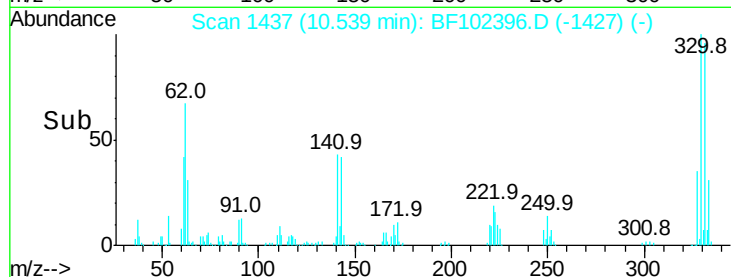
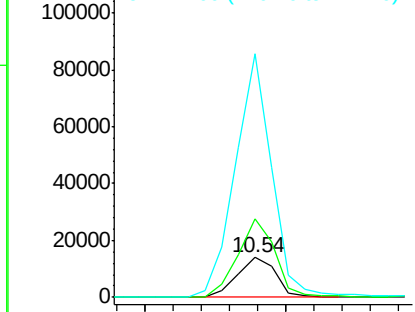
#66  
4-Bromophenyl-phenylether  
Concen: 3.142 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.24 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 13384  
Ion Ratio Lower Upper  
248 100  
250 197.7 76.9 115.3#  
141 608.4 74.4 111.6#

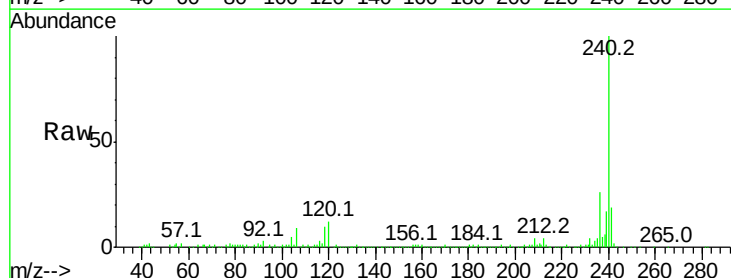


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

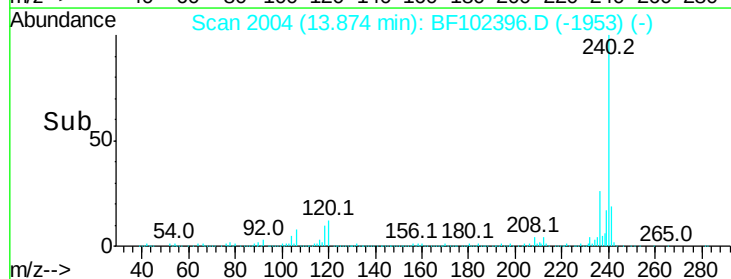
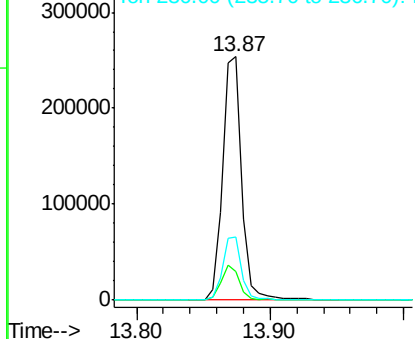


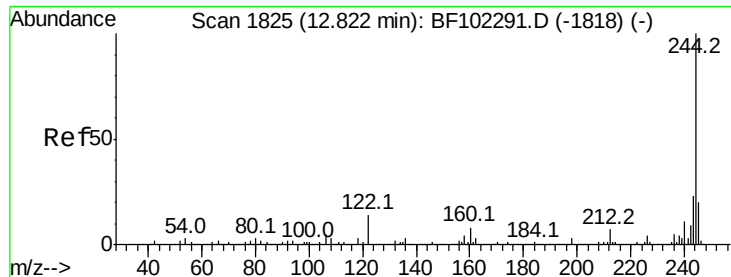
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. -0.00 min  
Lab File: BF102396.D  
Acq: 24 Jan 2018 18:18

Tgt Ion:240 Resp: 256159  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.5 14.3  
236 25.7 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: 65.961 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102396.D

Acq: 24 Jan 2018 18:18

Instrument :

BNA\_F

ClientSampleId :

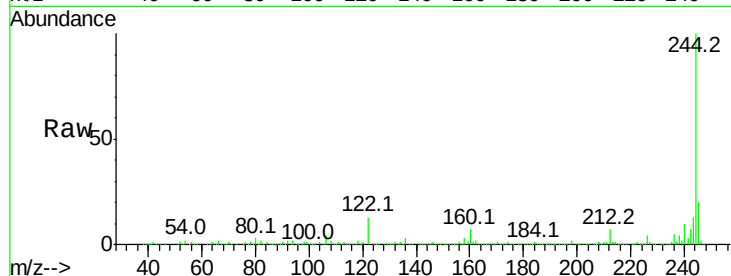
Tot Ion:244 Resp: 749498

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

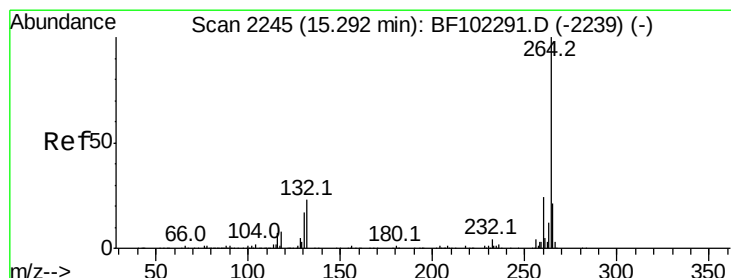
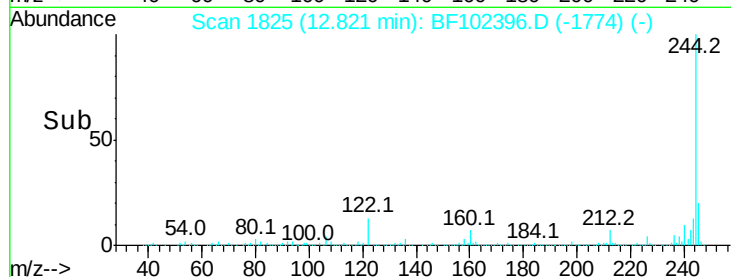
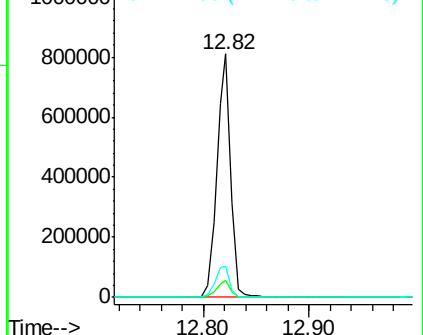
122 12.9 11.0 16.4



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: BF102396.D

Acq: 24 Jan 2018 18:18

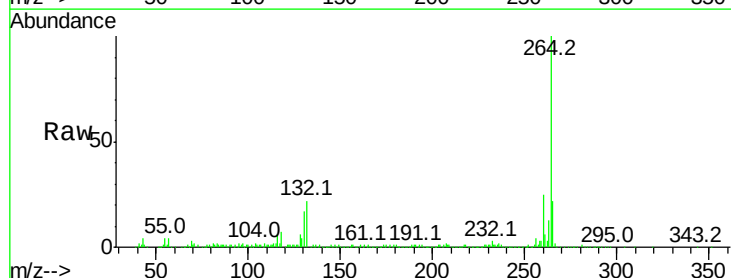
Tgt Ion:264 Resp: 243188

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.7 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

