

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\  
 Data File : BF102246.D  
 Acq On : 20 Jan 2018 4:39  
 Operator : SJ/JU  
 Sample : J1113-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 20 05:42:57 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 19 13:31:35 2018  
 Response via : Initial Calibration

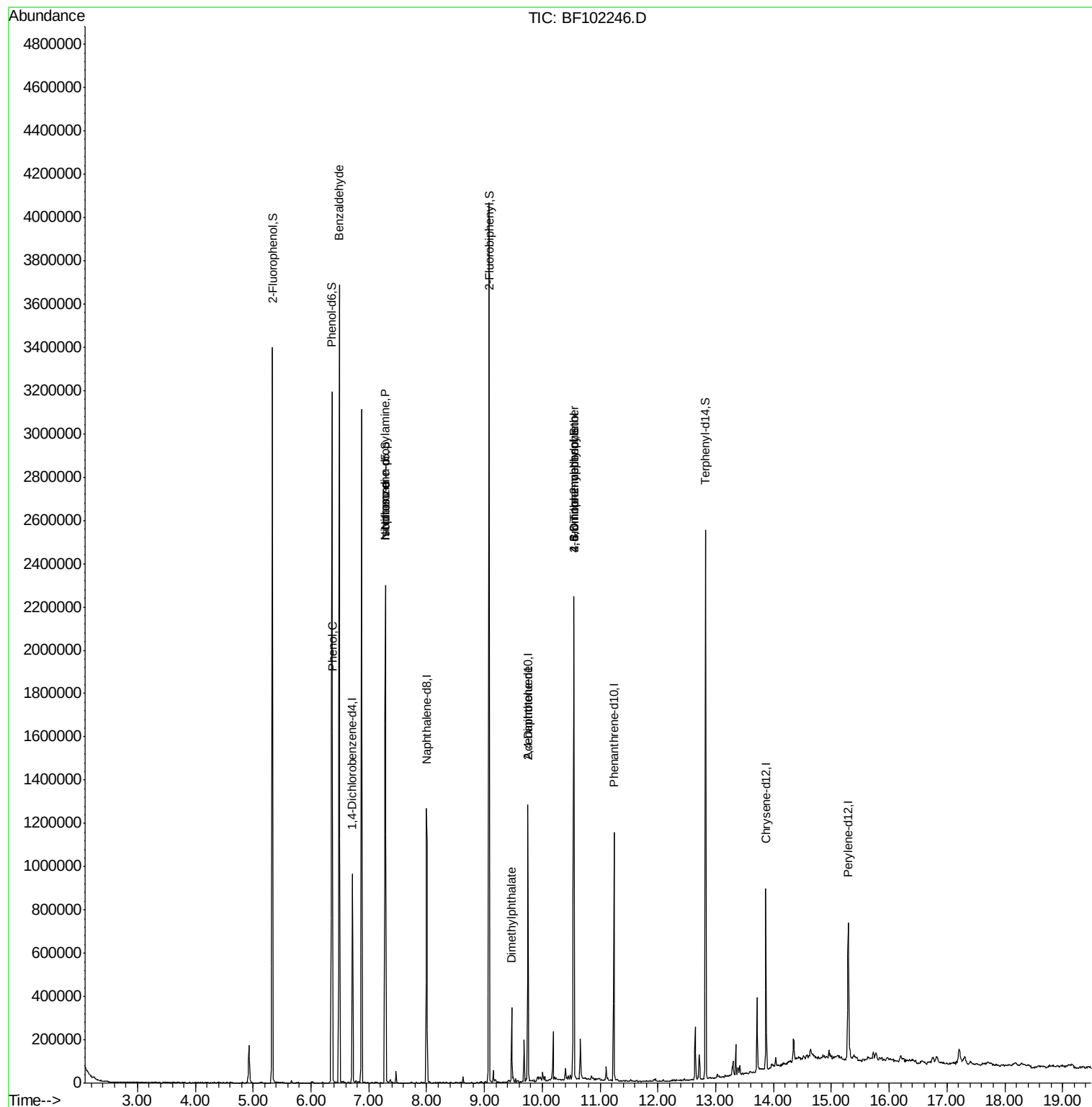
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 141386   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 585194   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 258845   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 412020   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 269860   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 260136   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 1017712  | 101.64 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 1242681  | 104.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 776853   | 78.01  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 255828   | 113.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1280472  | 77.28  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 884913   | 68.08  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 21963    | 2.648  | ng    | 86       |
| 10) Phenol                     | 6.37  | 94   | 32259    | 2.389  | ng    | 95       |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 103857   | 13.266 | ng    | # 80     |
| 25) Isophorone                 | 7.29  | 82   | 776846   | 39.480 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 132042   | 6.359  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 33356    | 6.416  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198  | 590      | 5.895  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 16354    | 3.759  | ng    | # 1      |

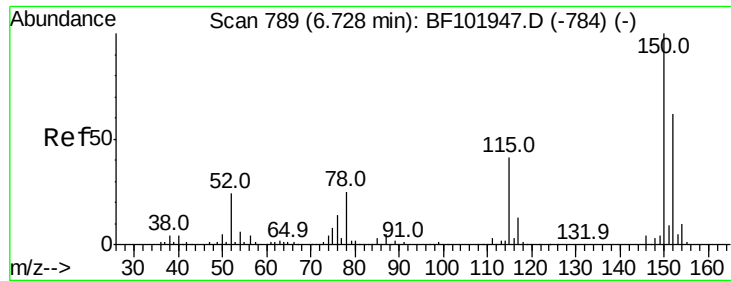
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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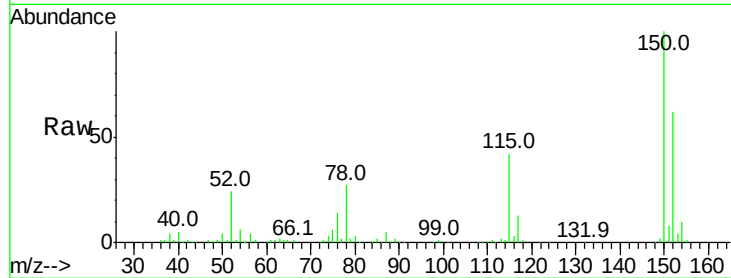


#1

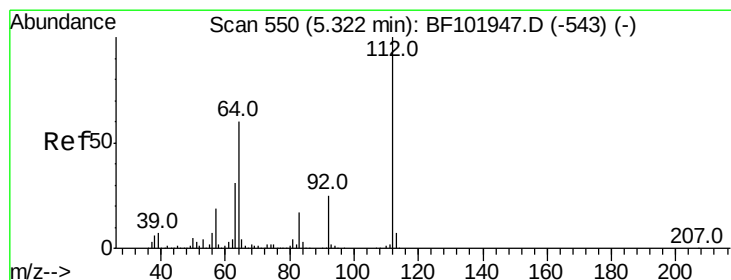
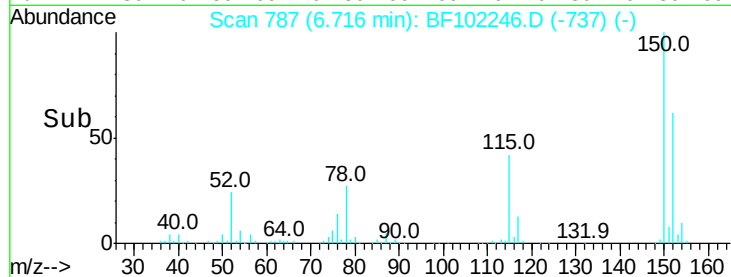
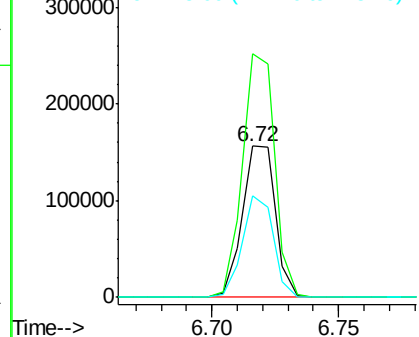
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 141386  
Ion Ratio Lower Upper  
152 100  
150 161.3 124.6 186.8  
115 67.5 50.1 75.1



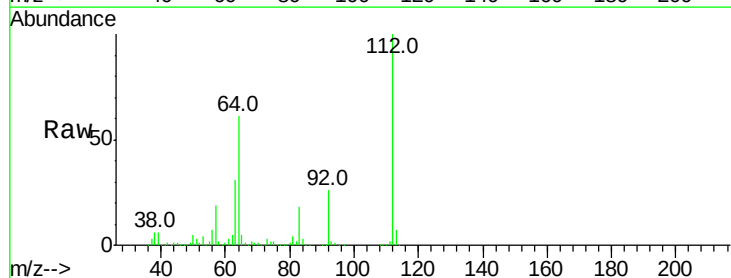
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



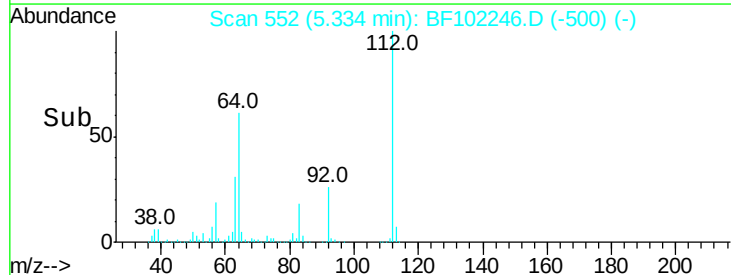
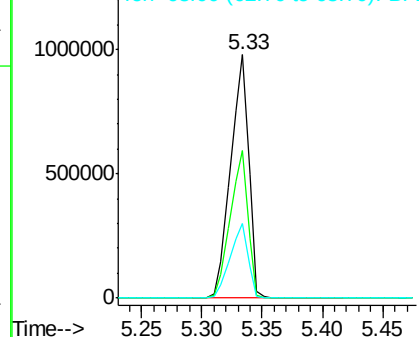
#5

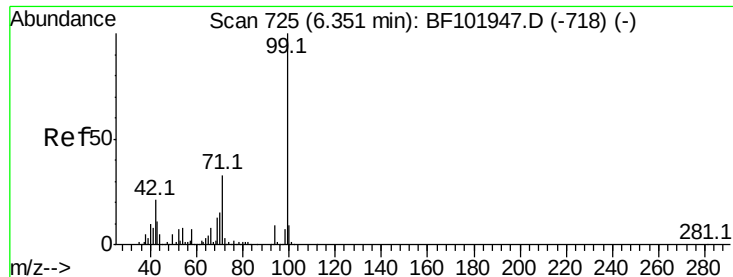
2-Fluorophenol  
Concen: 101.643 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Tgt Ion:112 Resp: 1017712  
Ion Ratio Lower Upper  
112 100  
64 60.6 47.9 71.9  
63 30.7 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: 104.024 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Instrument :

BNA\_F

ClientSampled :

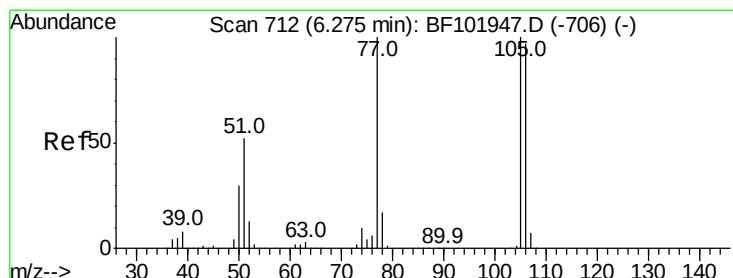
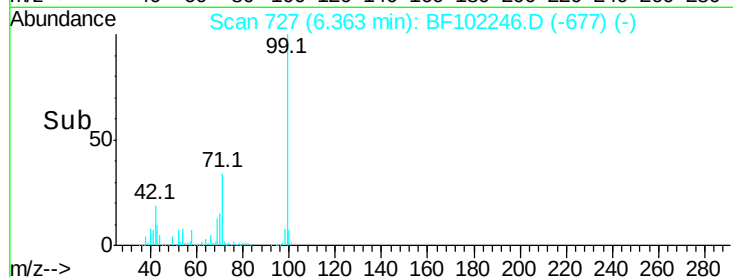
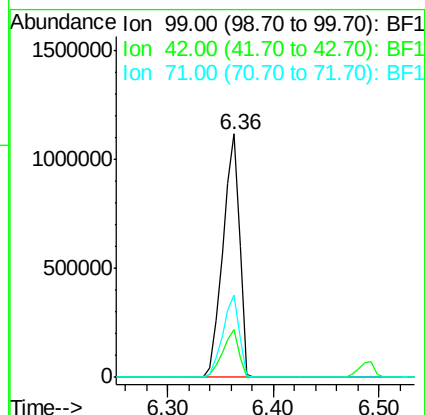
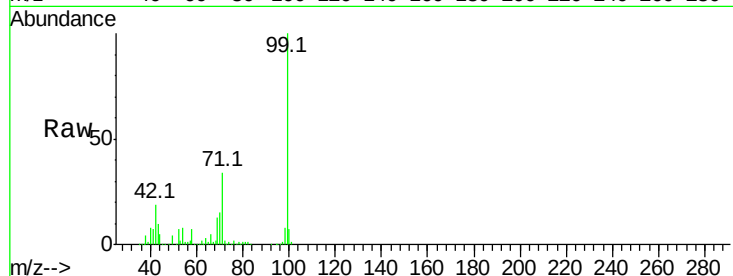
Tot Ion: 99 Resp: 1242681

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 33.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.648 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

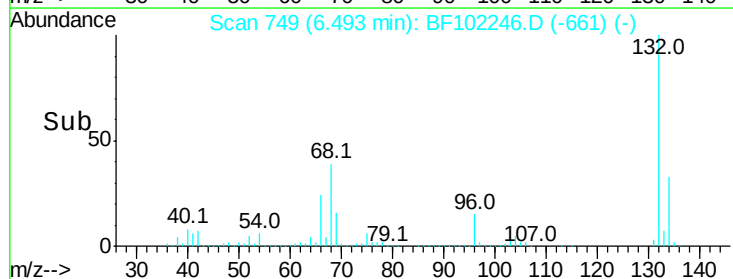
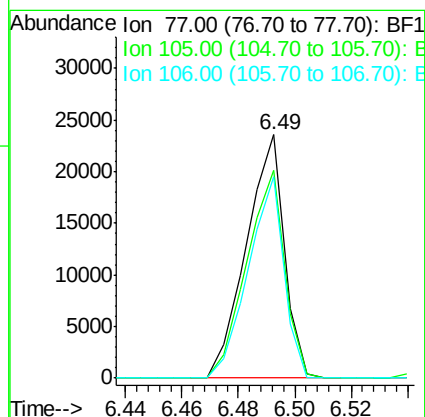
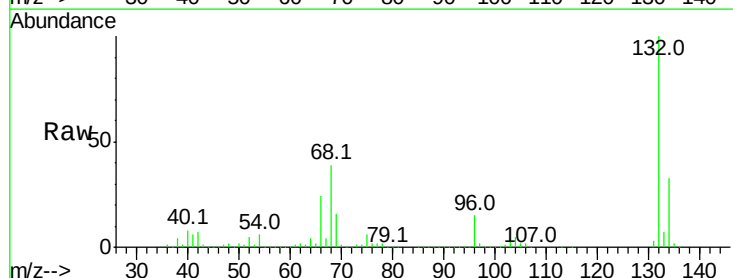
Tgt Ion: 77 Resp: 21963

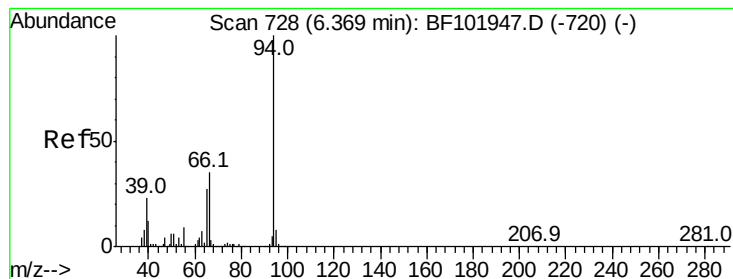
Ion Ratio Lower Upper

77 100

105 85.6 81.1 121.1

106 82.6 74.5 114.5





#10

Phenol

Concen: 2.389 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Instrument :

BNA\_F

ClientSampleId :

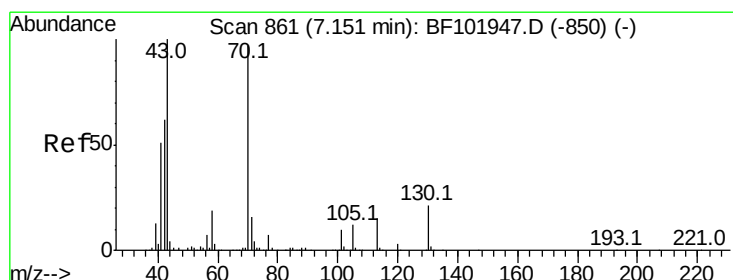
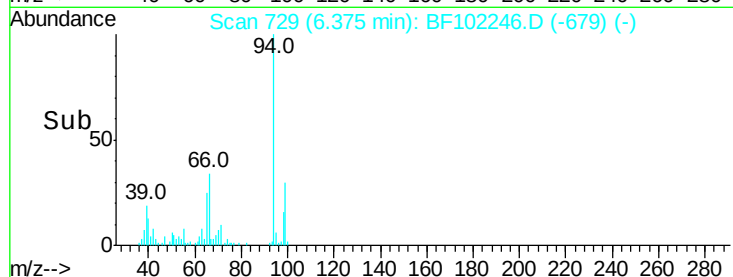
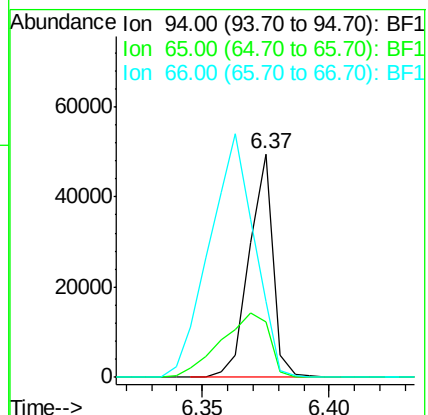
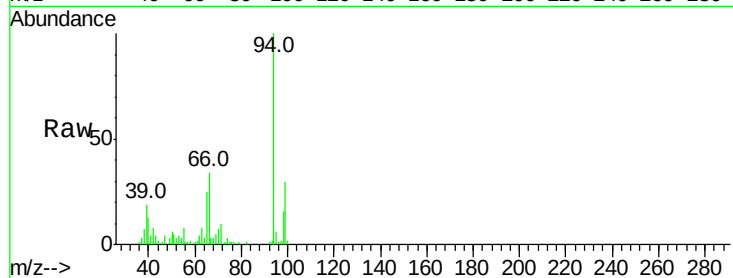
Tot Ion: 94 Resp: 32259

Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 33.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.266 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Tgt Ion: 70 Resp: 103857

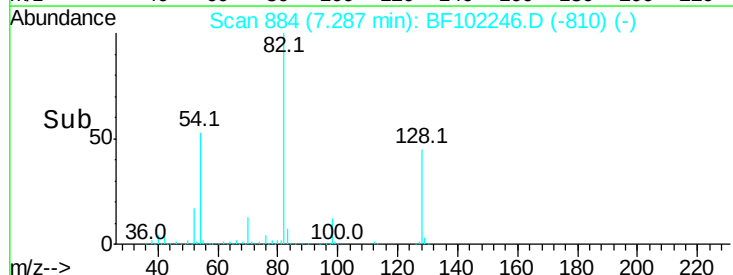
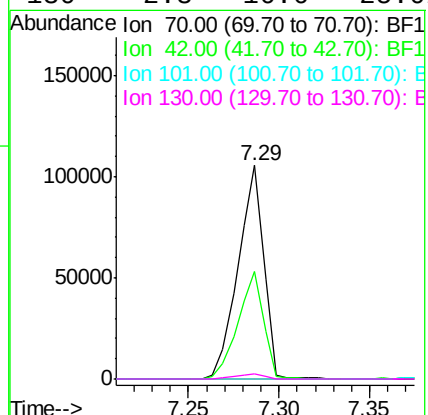
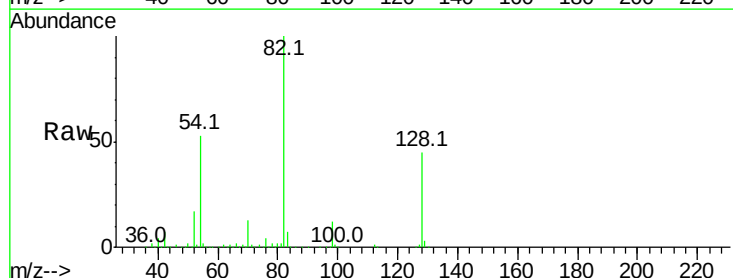
Ion Ratio Lower Upper

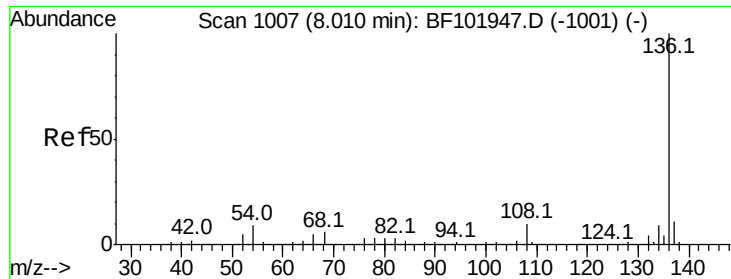
70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

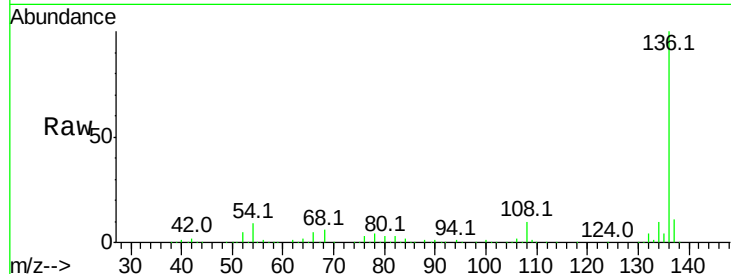




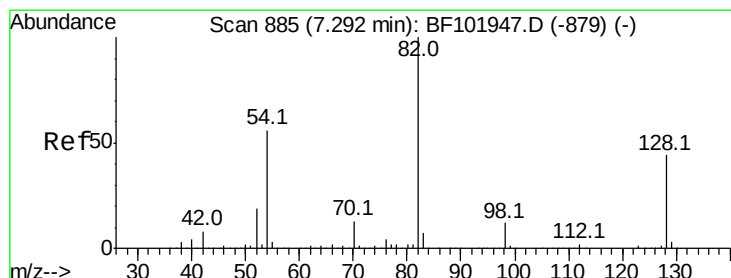
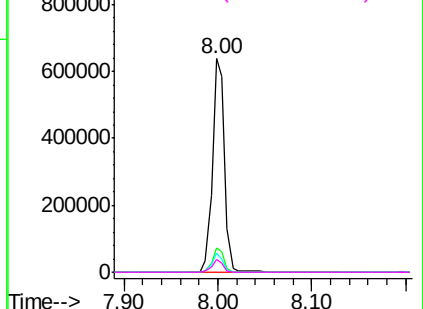
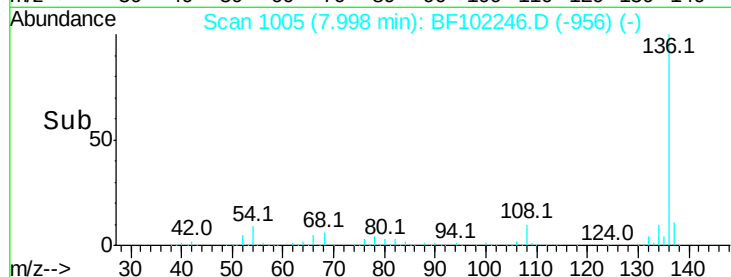
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 585194 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 8.7   | 6.6   | 9.8    |
| 68       | 5.7   | 5.0   | 7.4    |

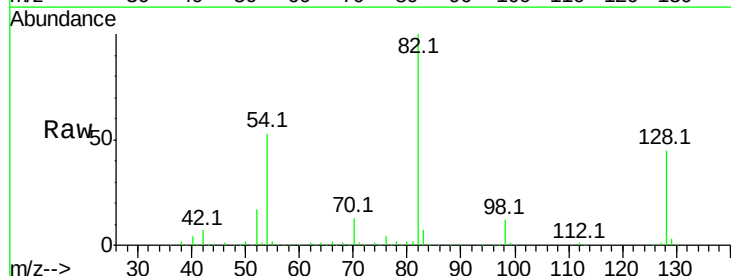


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

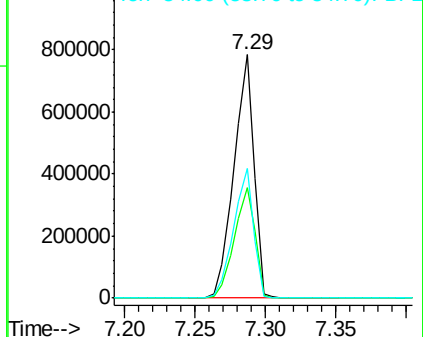
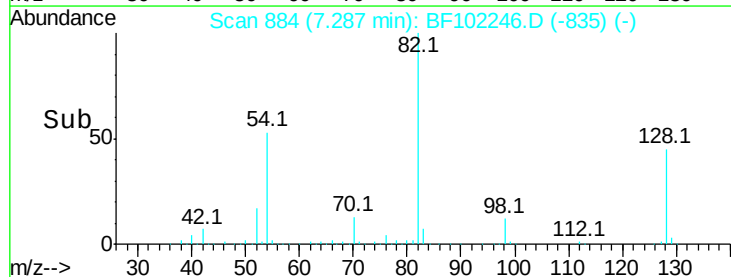


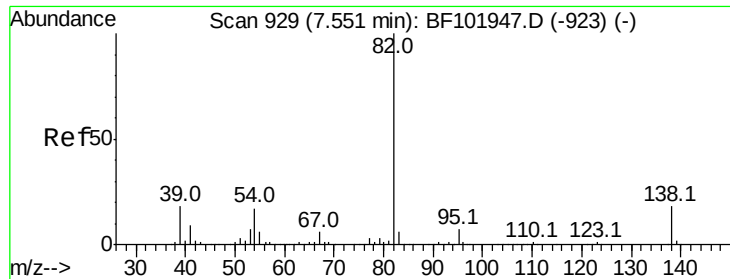
#23  
Nitrobenzene-d5  
Concen: 78.010 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 776853 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.4  | 36.1  | 54.1   |
| 54       | 53.4  | 41.4  | 62.2   |



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





#25

Isophorone

Concen: 39.480 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Instrument :

BNA\_F

ClientSampleId :

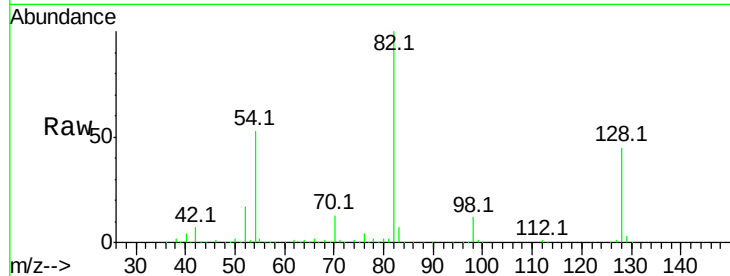
Tot Ion: 82 Resp: 776846

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

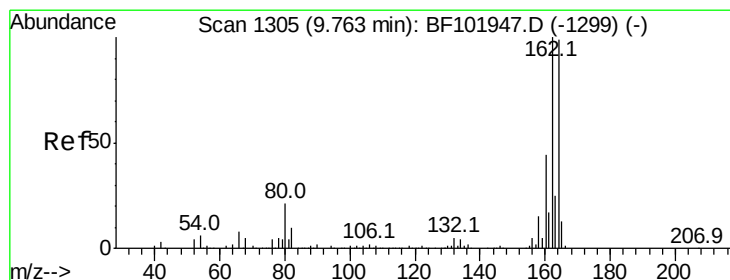
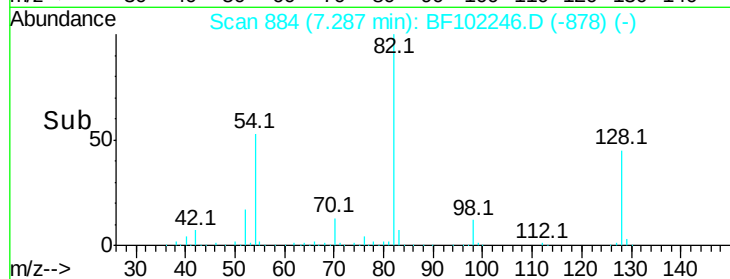
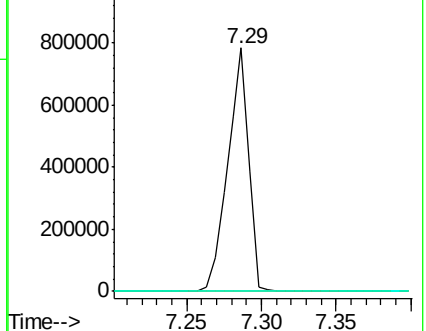
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

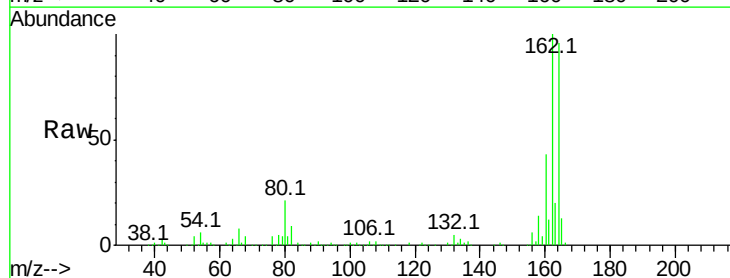
Tgt Ion: 164 Resp: 258845

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

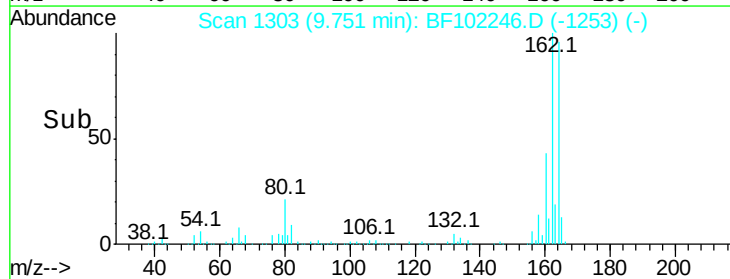
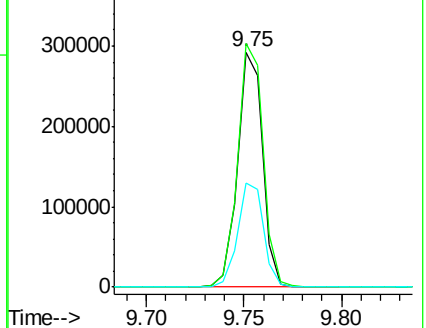
160 44.6 38.3 57.5

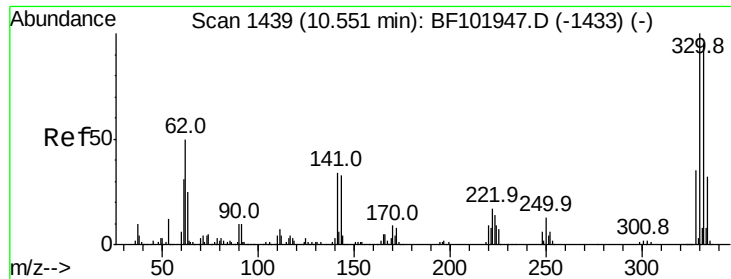


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

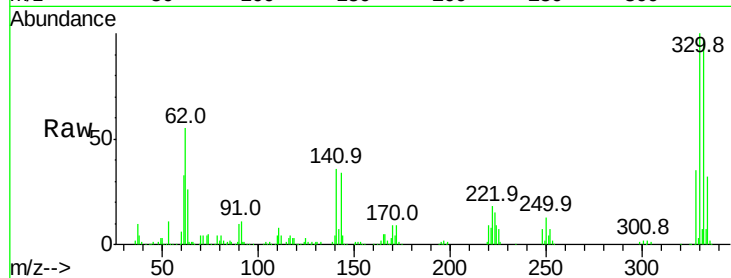




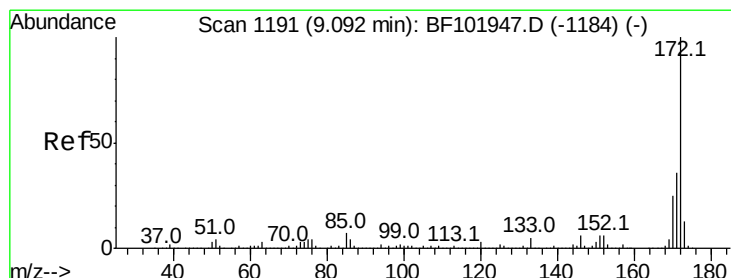
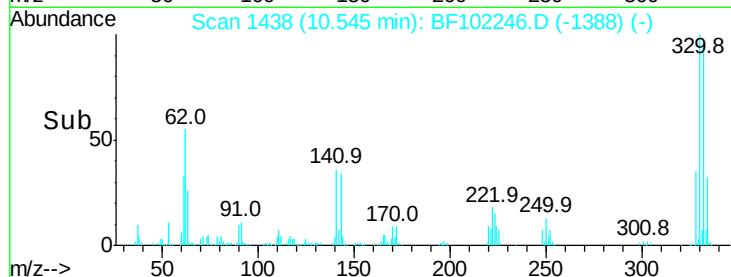
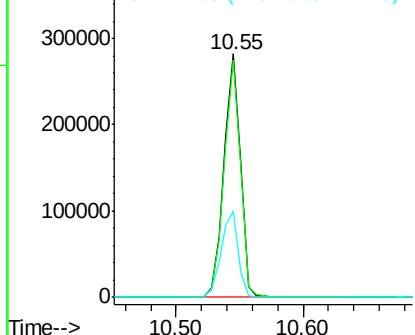
#41  
 2,4,6-Tribromophenol  
 Concen: 113.253 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF102246.D  
 Acq: 20 Jan 2018 4:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 255828  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 37.1 29.9 44.9

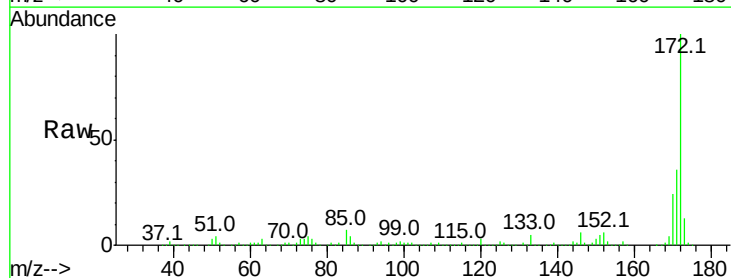


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

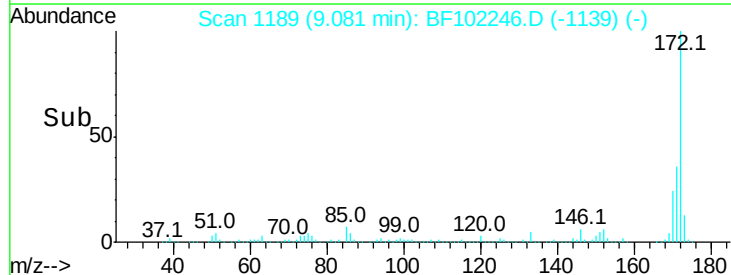
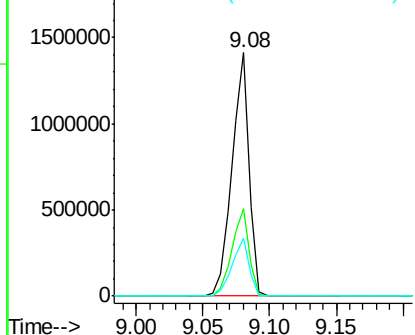


#44  
 2-Fluorobiphenyl  
 Concen: 77.283 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF102246.D  
 Acq: 20 Jan 2018 4:39

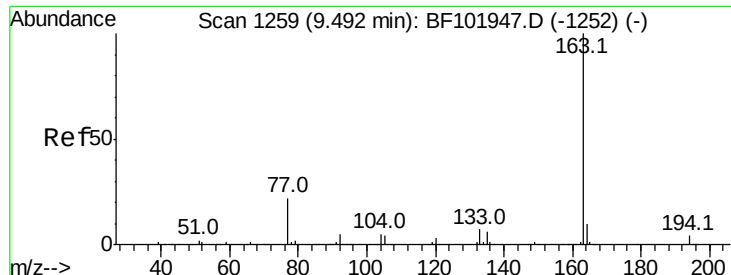
Tgt Ion:172 Resp: 1280472  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.0 19.6 29.4



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: 6.359 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Instrument :

BNA\_F

ClientSampleId :

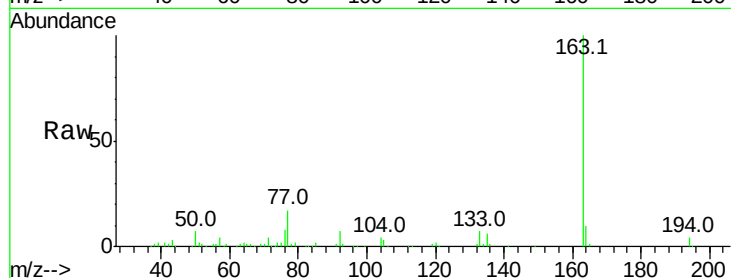
Tot Ion:163 Resp: 132042

Ion Ratio Lower Upper

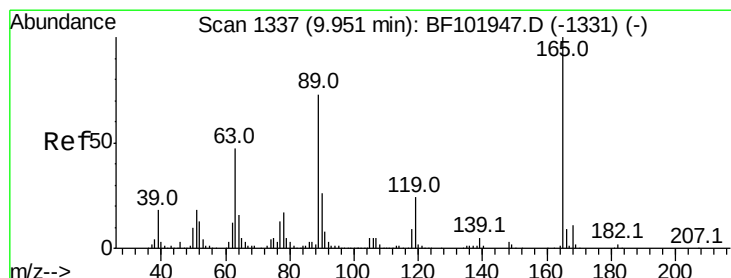
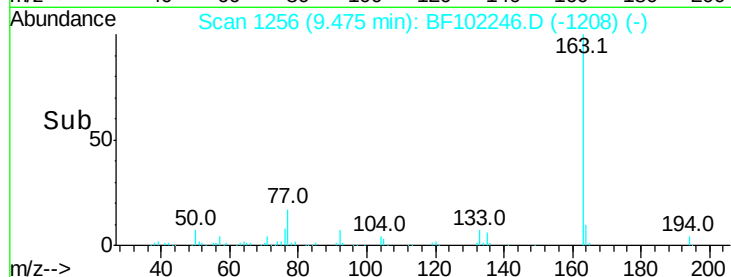
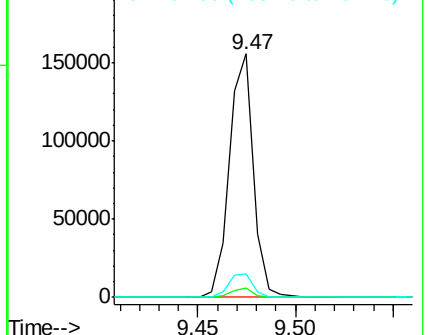
163 100

194 3.6 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



#56

2,4-Dinitrotoluene

Concen: 6.416 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Tgt Ion:165 Resp: 33356

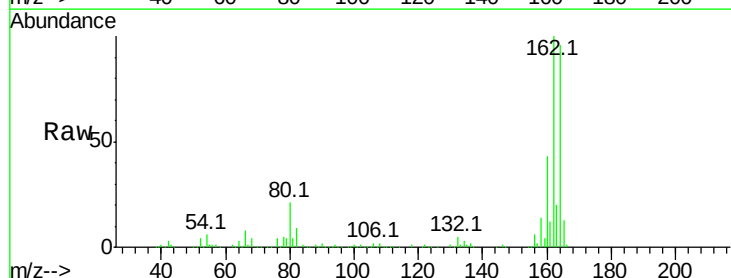
Ion Ratio Lower Upper

165 100

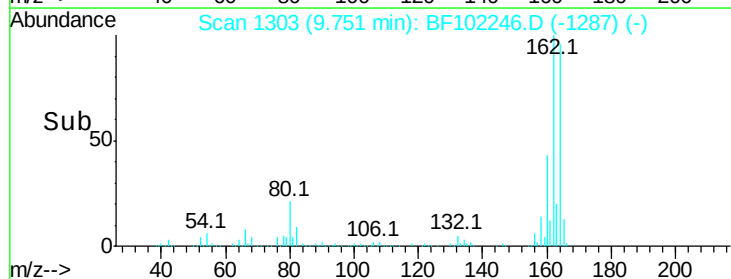
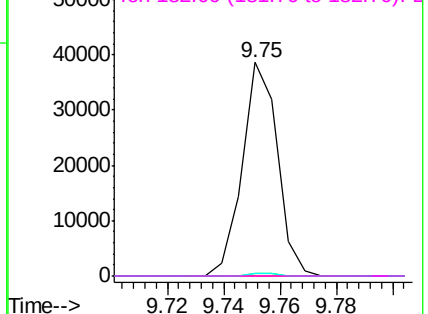
63 1.3 36.4 54.6#

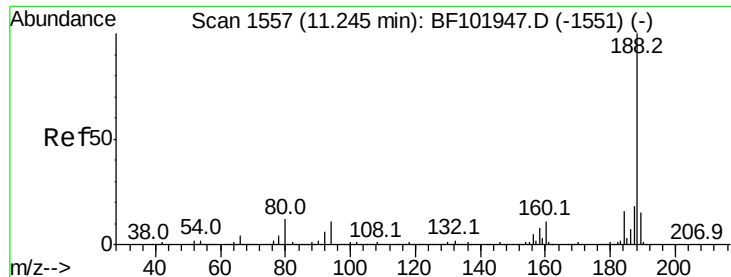
89 1.2 57.8 86.6#

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

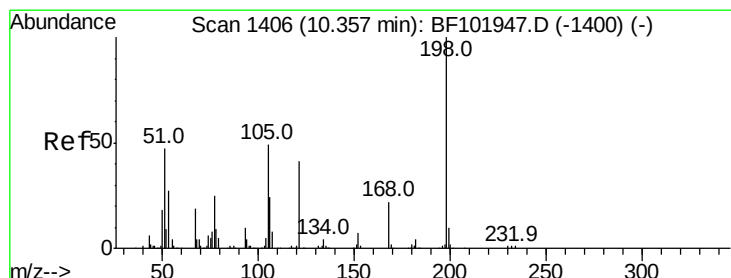
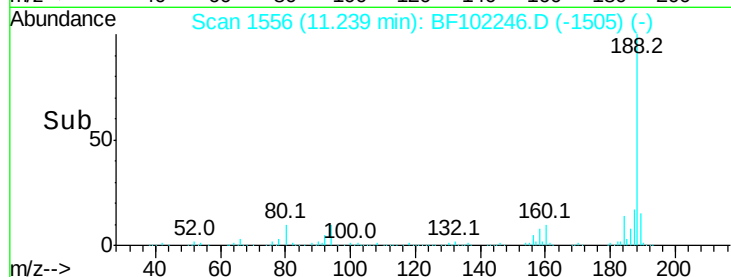
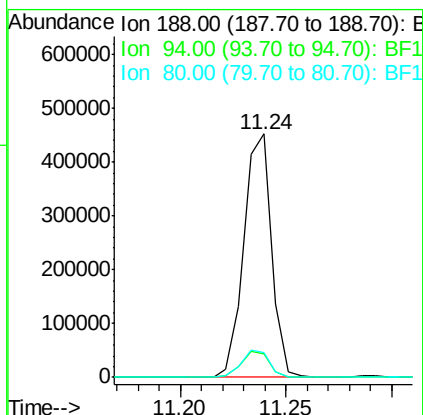
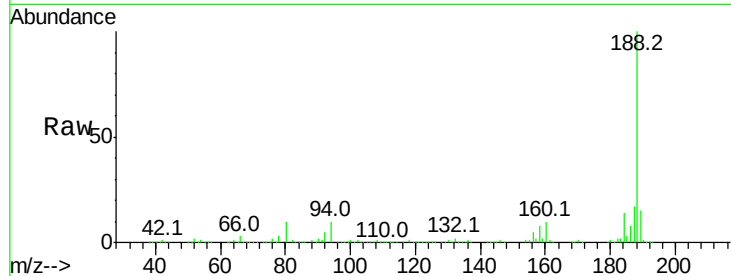




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.00 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

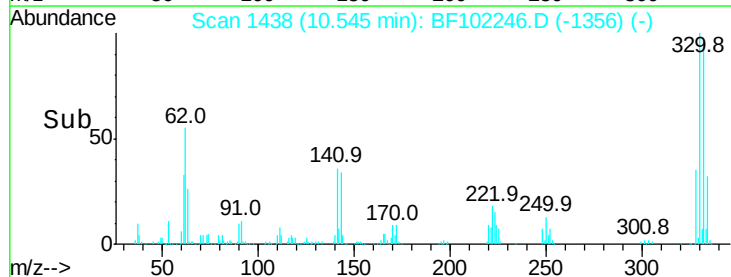
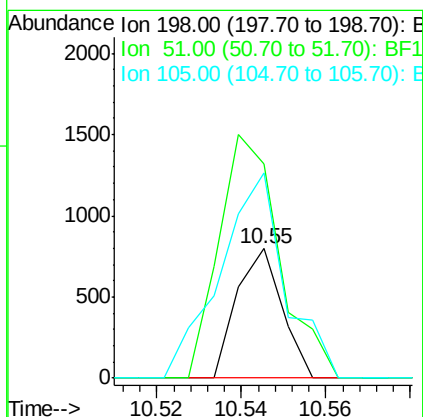
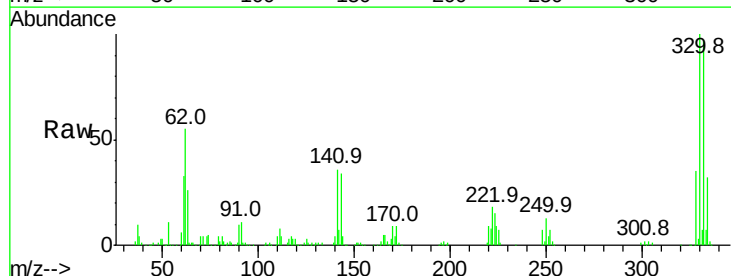
Instrument :  
BNA\_F  
ClientSampleId :

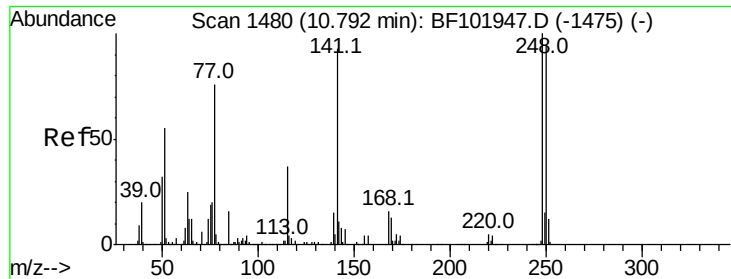
Tot Ion:188 Resp: 412020  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.3 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.895 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.18 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Tgt Ion:198 Resp: 590  
Ion Ratio Lower Upper  
198 100  
51 166.1 37.7 77.7#  
105 159.2 36.3 76.3#

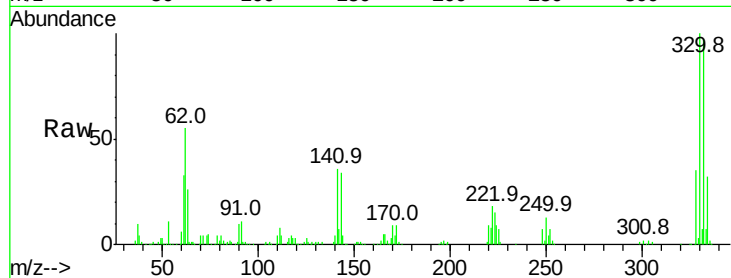




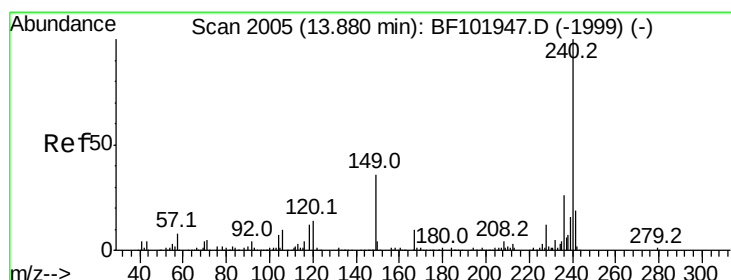
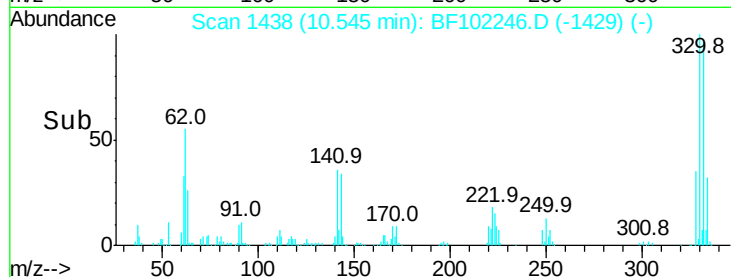
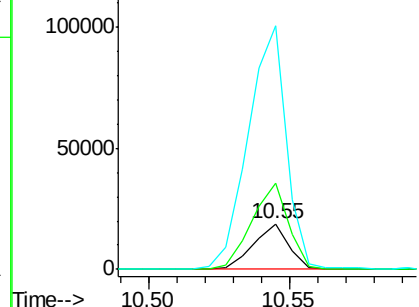
#66  
4-Bromophenyl-phenylether  
Concen: 3.759 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.25 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 16354  
Ion Ratio Lower Upper  
248 100  
250 189.8 76.9 115.3#  
141 535.4 74.4 111.6#

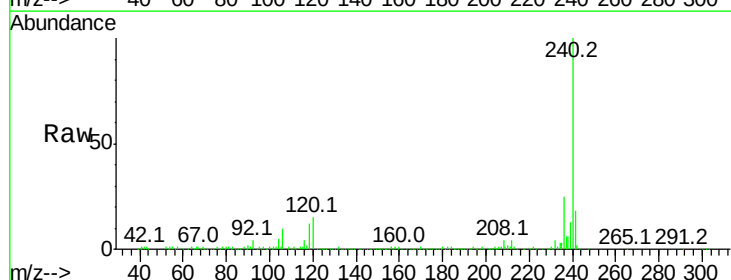


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

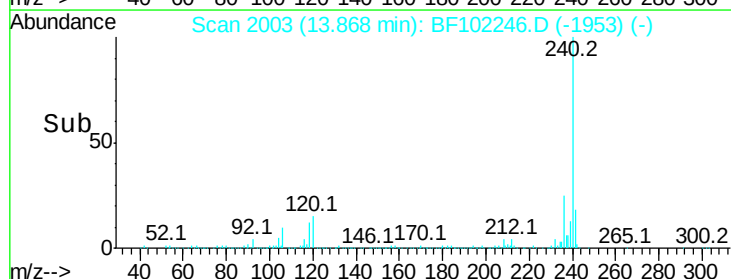
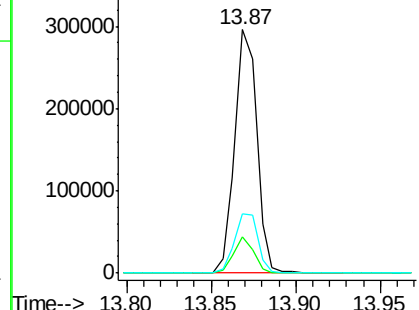


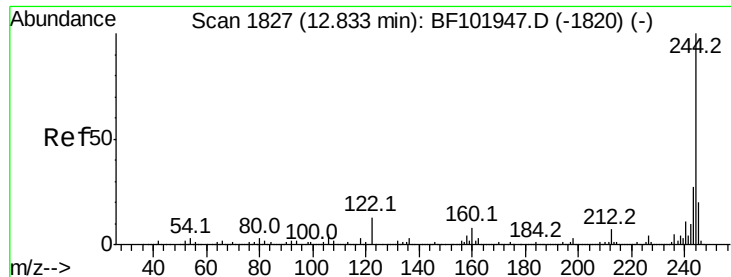
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.01 min  
Lab File: BF102246.D  
Acq: 20 Jan 2018 4:39

Tgt Ion:240 Resp: 269860  
Ion Ratio Lower Upper  
240 100  
120 14.8 9.5 14.3#  
236 24.6 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: 68.084 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

Instrument :

BNA\_F

ClientSampled :

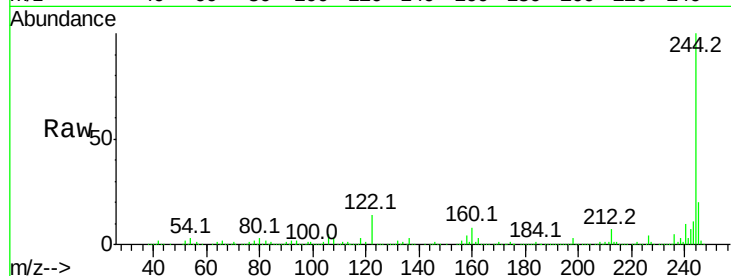
Tot Ion:244 Resp: 884913

Ion Ratio Lower Upper

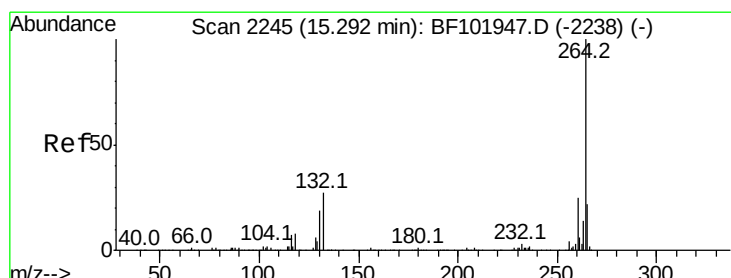
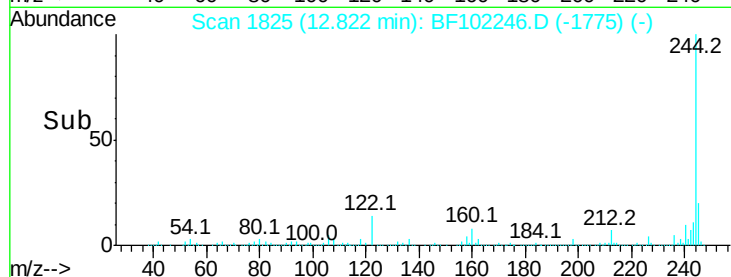
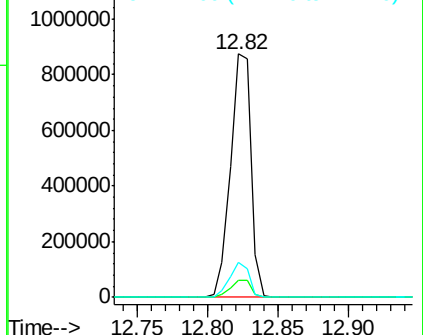
244 100

212 7.0 5.4 8.0

122 14.4 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: 15.29 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BF102246.D

Acq: 20 Jan 2018 4:39

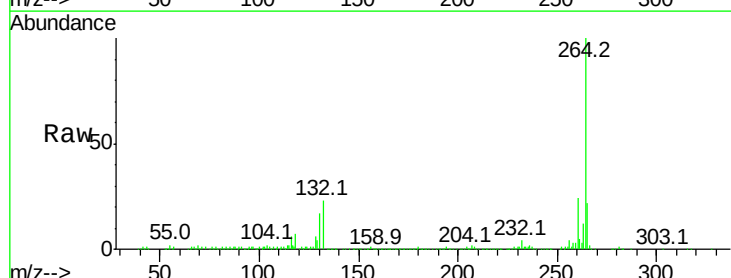
Tgt Ion:264 Resp: 260136

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.3 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

