

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\  
 Data File : BF102838.D  
 Acq On : 8 Feb 2018 2:10  
 Operator : SJ/JU  
 Sample : J1473-41  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 08 06:30:43 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

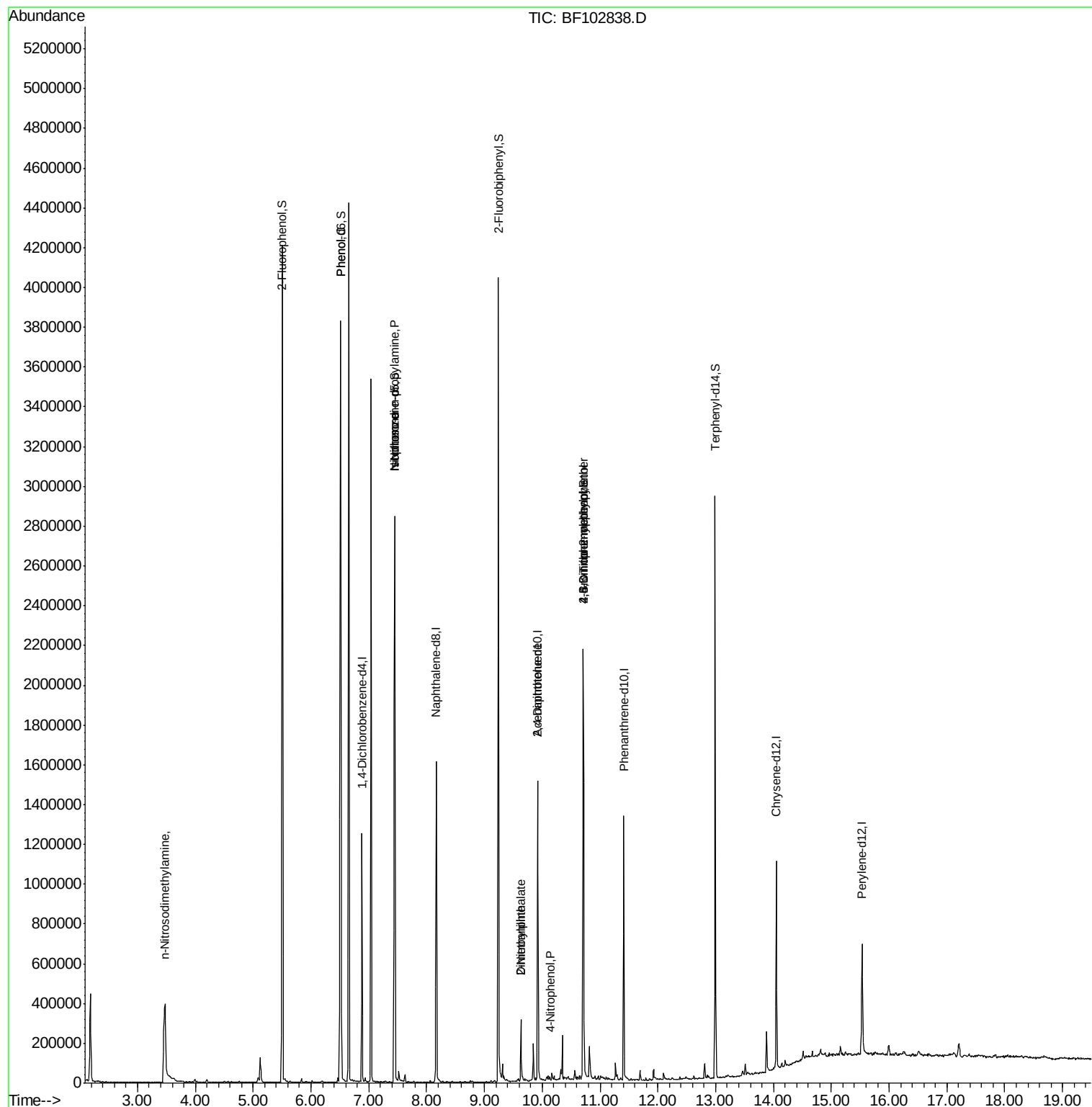
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 186927   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 732657   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 288163   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 422916   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.05 | 240  | 342037   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.53 | 264  | 259428   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 1311465  | 106.55 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.52  | 99   | 1526616  | 103.01 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 939138   | 88.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 243339   | 104.92 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 1369435  | 78.86  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 966832   | 66.93  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 4) n-Nitrosodimethylamine      | 3.48  | 42   | 18642    | 2.59   | ng    | # 1      |
| 10) Phenol                     | 6.52  | 94   | 123970   | 7.81   | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 125976   | 12.89  | ng    | # 82     |
| 25) Isophorone                 | 7.45  | 82   | 939129   | 38.62  | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.63  | 65   | 1436     | 3.70   | ng    | # 1      |
| 49) Dimethylphthalate          | 9.63  | 163  | 124412   | 5.54   | ng    | 97       |
| 55) 4-Nitrophenol              | 10.13 | 139  | 133      | 4.05   | ng    | # 9      |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 37552    | 9.21   | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 473      | 9.04   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.71 | 248  | 16308    | 3.65   | ng    | # 1      |

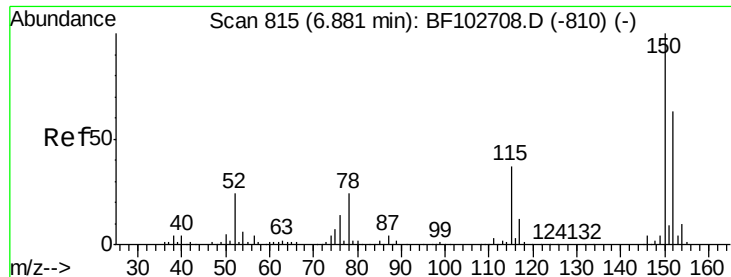
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\  
Data File : BF102838.D  
Acq On : 8 Feb 2018 2:10  
Operator : SJ/JU  
Sample : J1473-41  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Feb 08 06:30:43 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 05 12:44:16 2018  
Response via : Initial Calibration



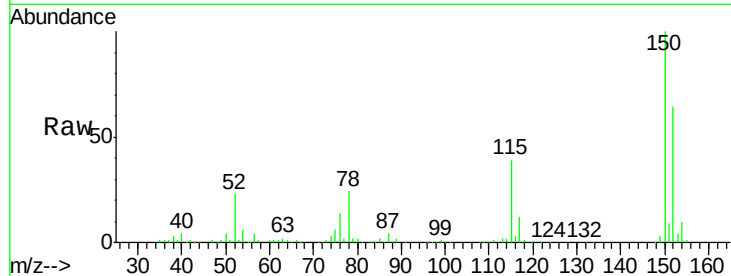


#1

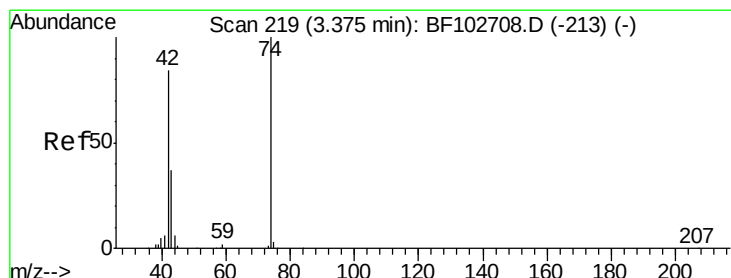
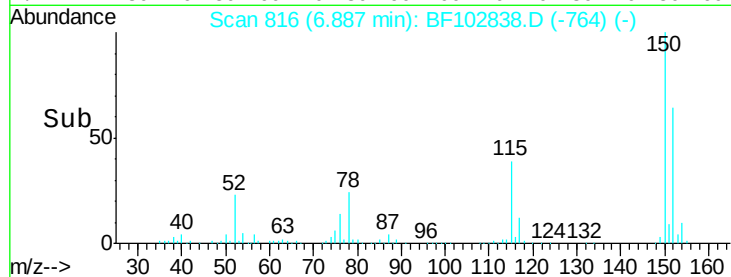
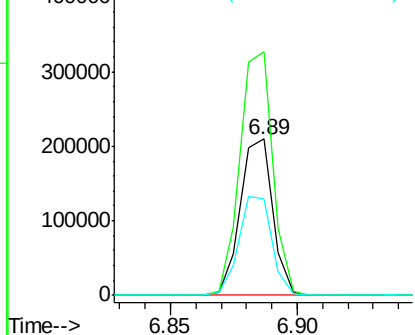
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 186927  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.6 186.8  
115 61.5 50.1 75.1



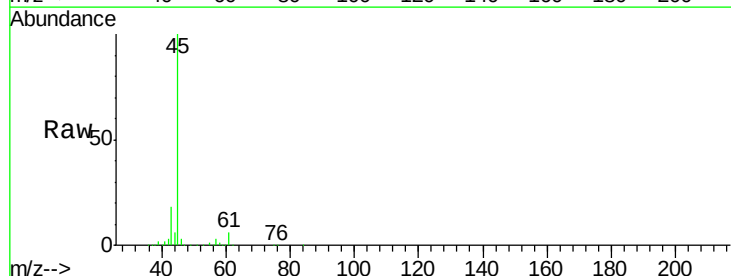
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



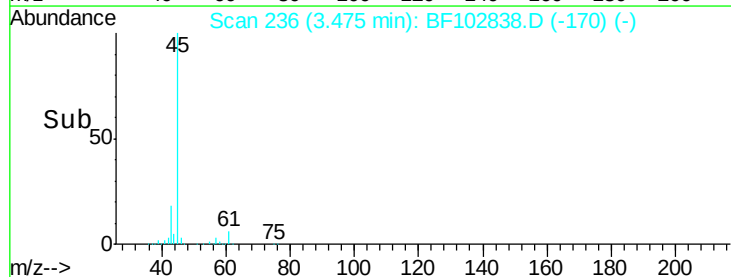
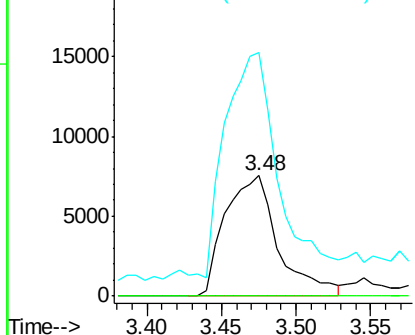
#4

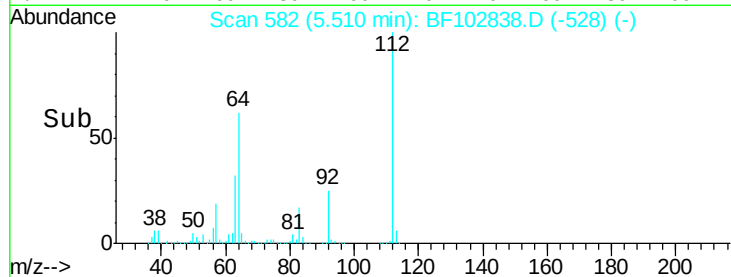
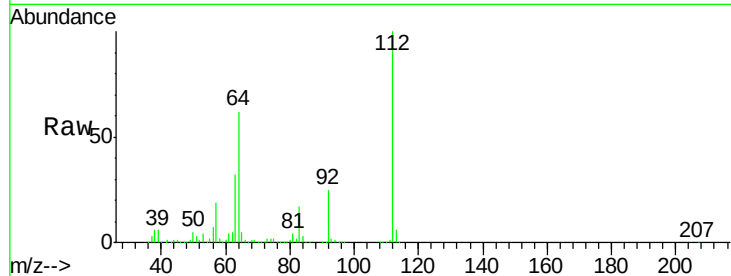
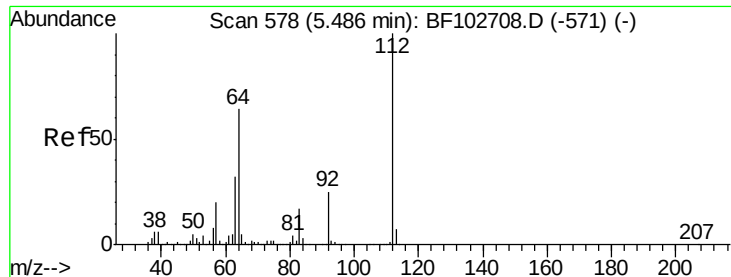
n-Nitrosodimethylamine  
Concen: 2.59 ng  
RT: 3.48 min Scan# 236  
Delta R.T. 0.09 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion: 42 Resp: 18642  
Ion Ratio Lower Upper  
42 100  
74 0.0 104.9 157.3#  
44 202.5 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 106.55 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

Instrument :

BNA\_F

ClientSampleId :

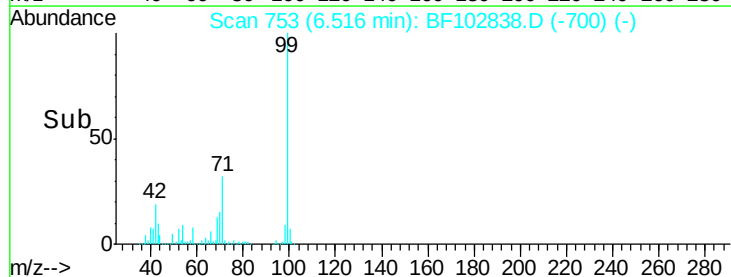
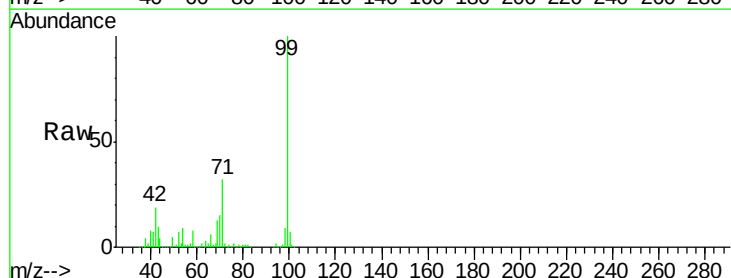
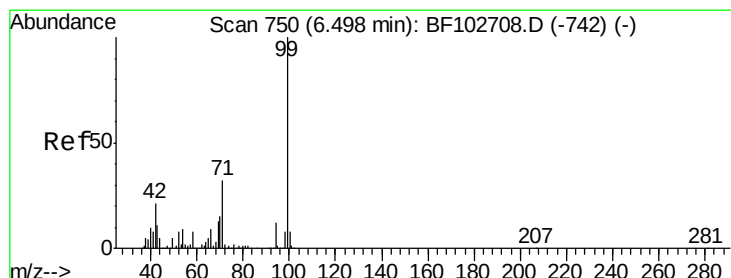
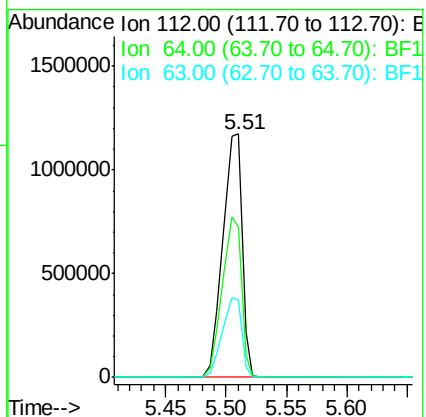
Tot Ion:112 Resp: 1311465

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

63 31.5 23.7 35.5



#7

Phenol-d6

Concen: 103.01 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

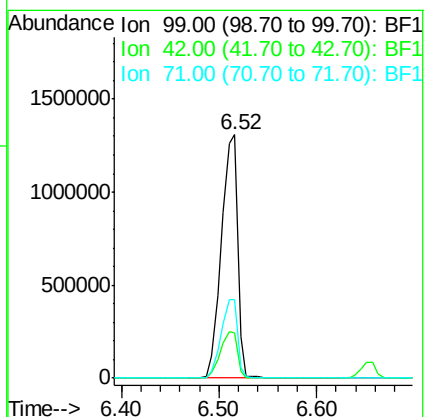
Tgt Ion: 99 Resp: 1526616

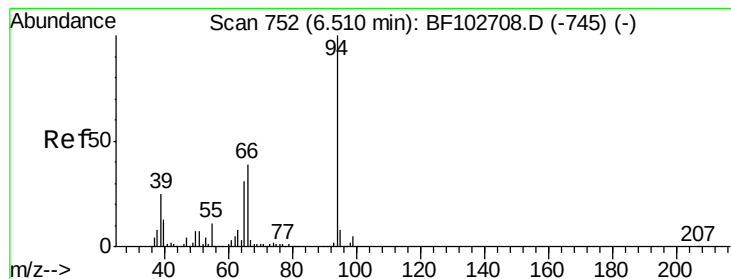
Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 32.4 25.4 38.0





#10

Phenol

Concen: 7.81 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

Instrument :

BNA\_F

ClientSampled :

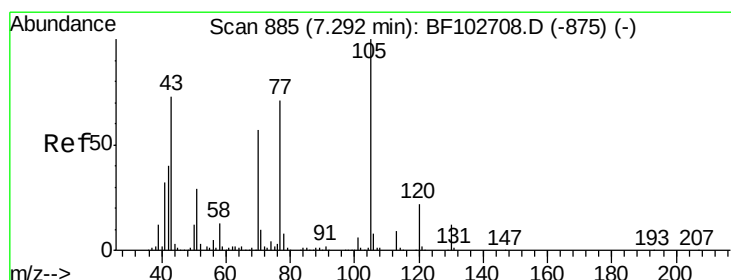
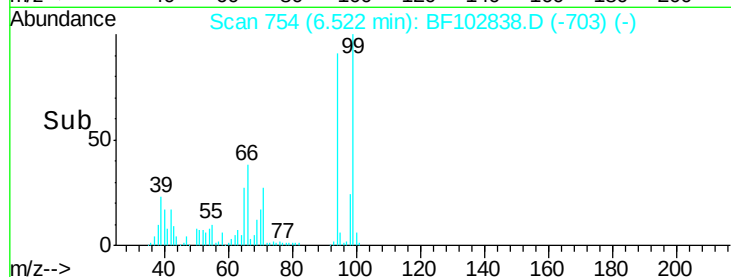
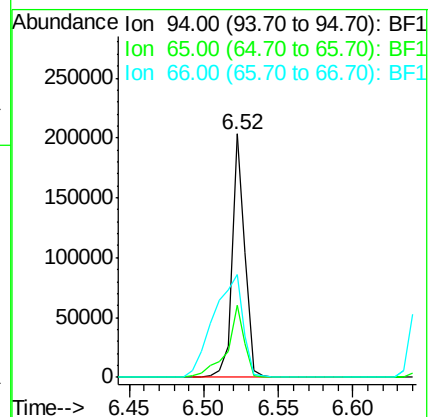
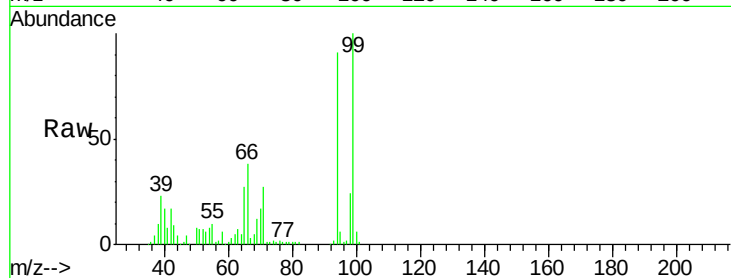
Tot Ion: 94 Resp: 123970

Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

66 42.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.89 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

Tgt Ion: 70 Resp: 125976

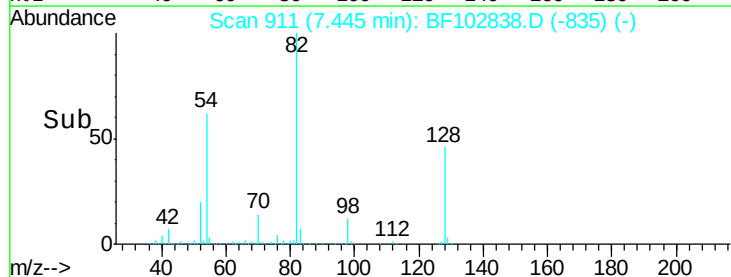
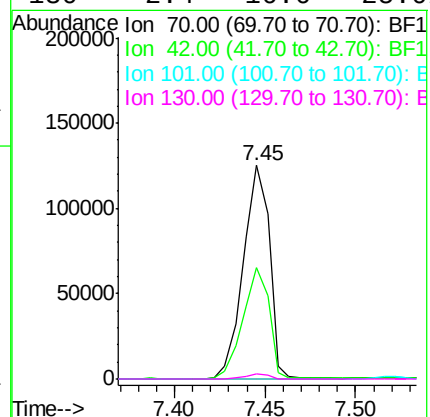
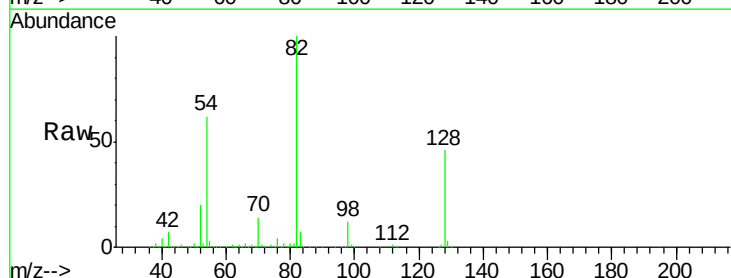
Ion Ratio Lower Upper

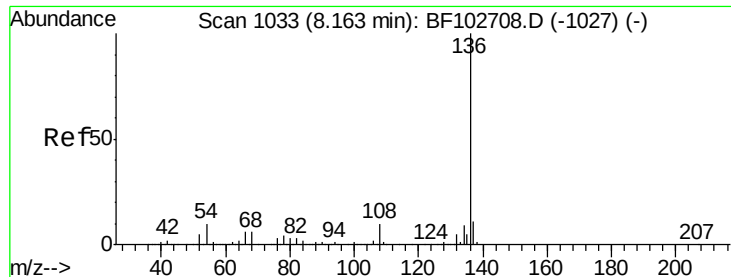
70 100

42 52.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

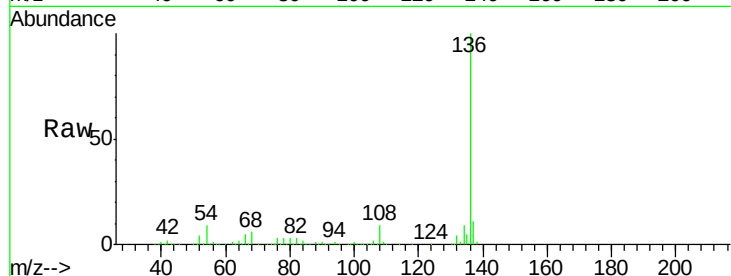




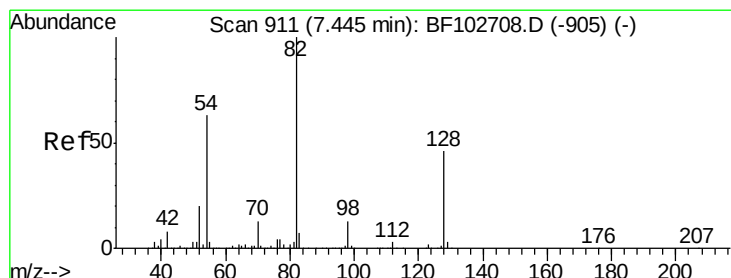
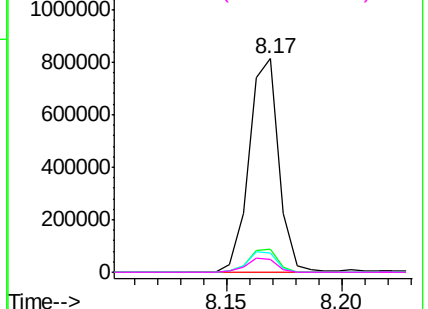
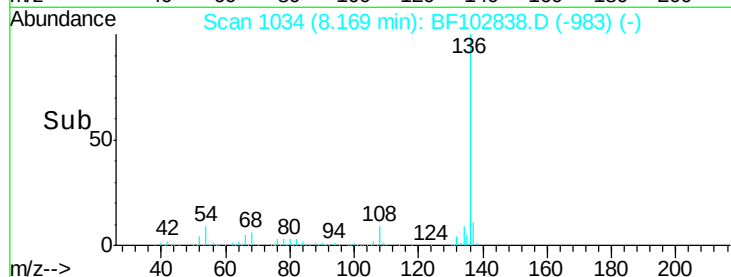
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 732657   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.9 13.3 |
| 54          | 8.7   | 6.6 9.8  |
| 68          | 5.9   | 5.0 7.4  |

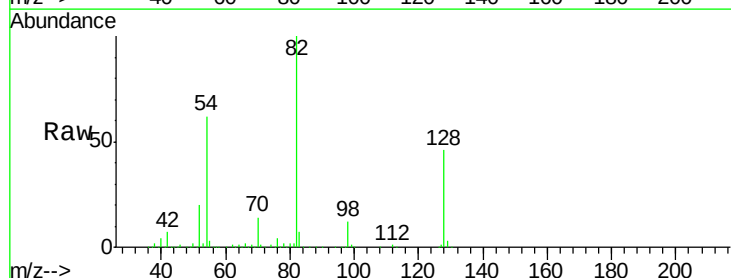


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

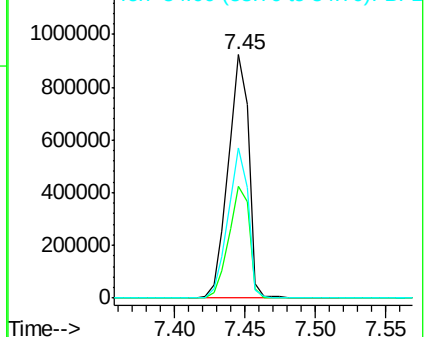
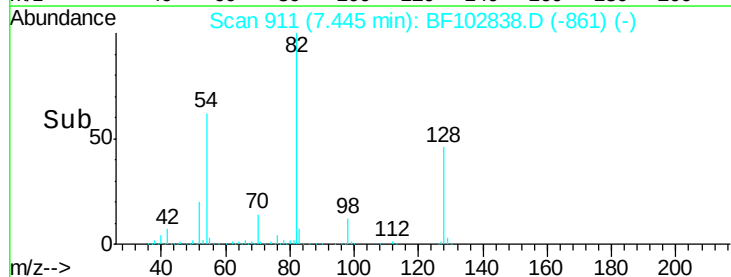


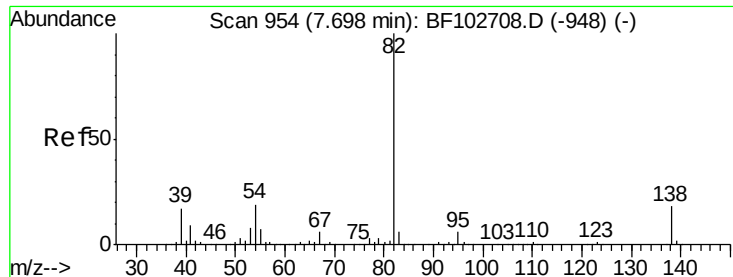
#23  
Nitrobenzene-d5  
Concen: 88.92 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 939138    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.1  | 36.1 54.1 |
| 54          | 61.8  | 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

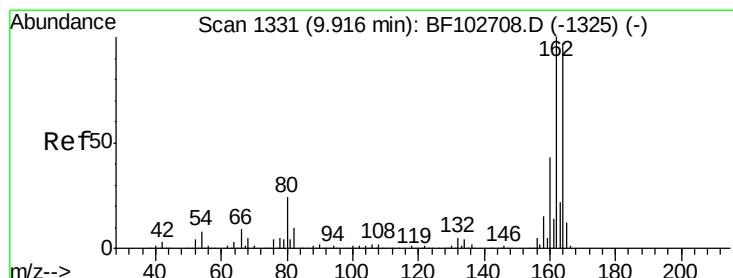
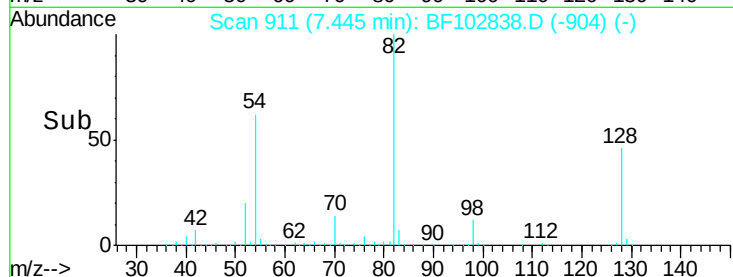
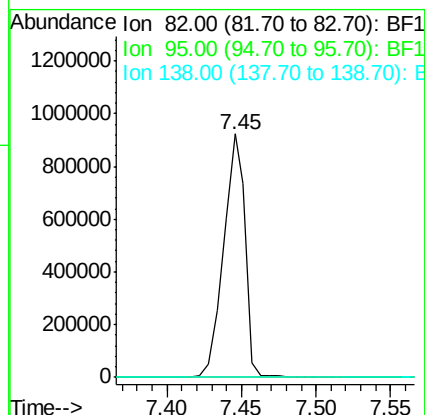
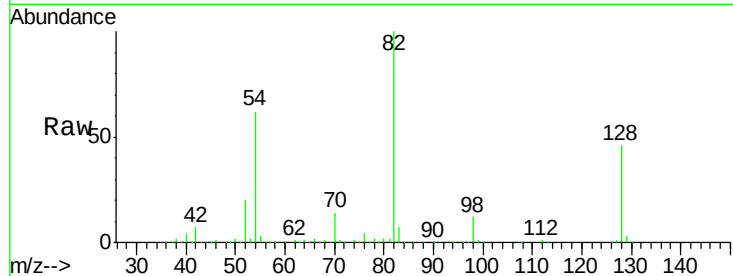




#25  
Isophorone  
Concen: 38.62 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.26 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

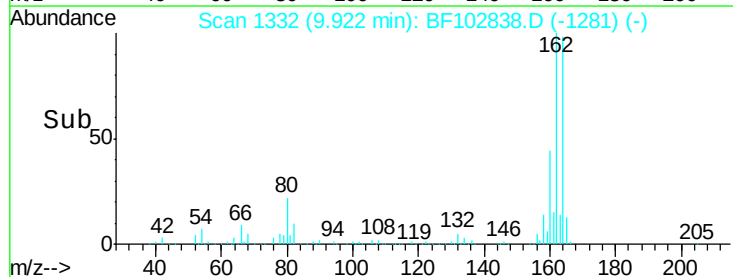
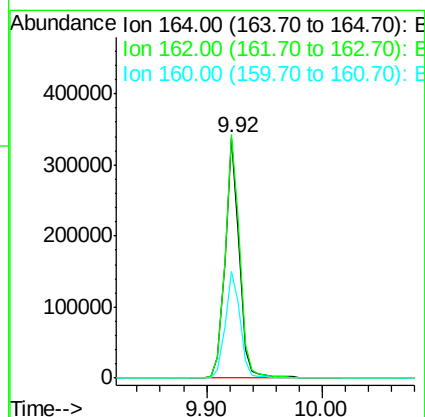
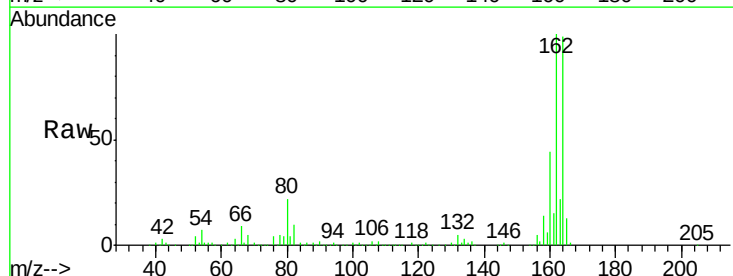
Instrument :  
BNA\_F  
ClientSampleId :

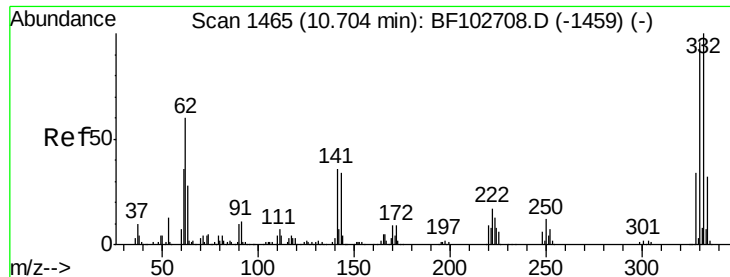
Tot Ion: 82 Resp: 939129  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion:164 Resp: 288163  
Ion Ratio Lower Upper  
164 100  
162 101.3 86.1 129.1  
160 44.4 38.3 57.5

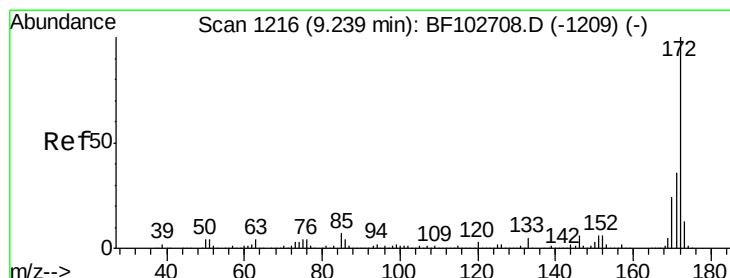
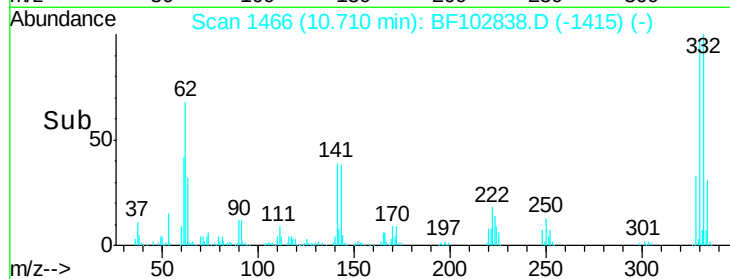
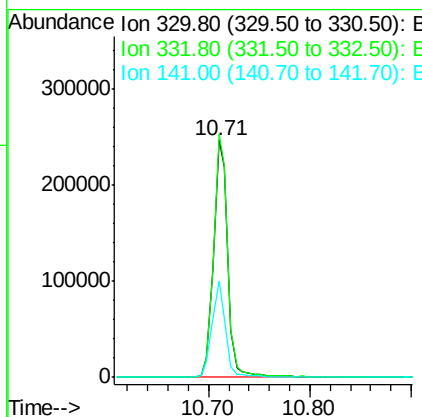
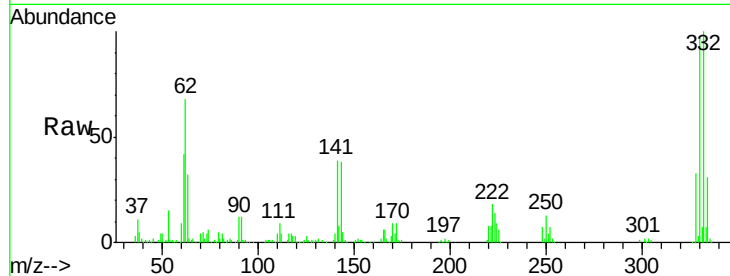




#41  
 2,4,6-Tribromophenol  
 Concen: 104.92 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: BF102838.D  
 Acq: 8 Feb 2018 2:10

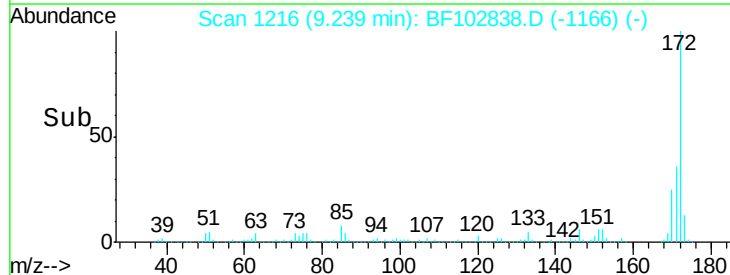
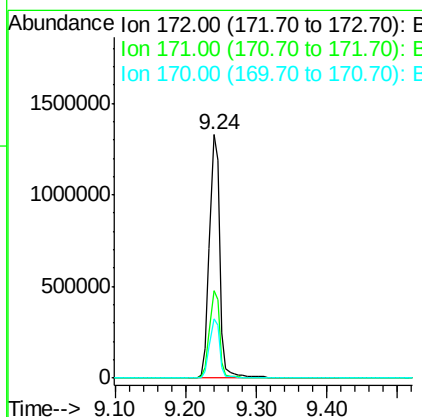
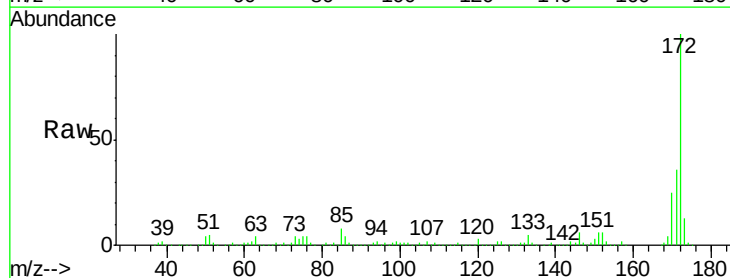
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 243339  
 Ion Ratio Lower Upper  
 330 100  
 332 101.4 77.0 115.6  
 141 38.5 29.9 44.9

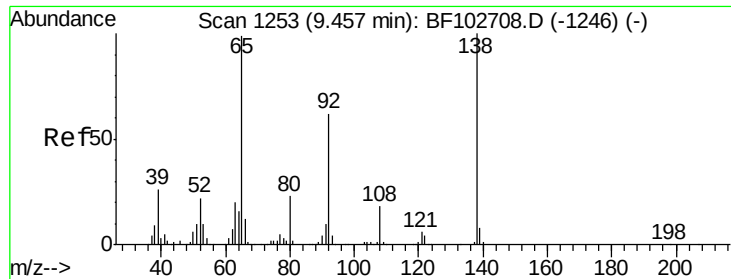


#44  
 2-Fluorobiphenyl  
 Concen: 78.86 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF102838.D  
 Acq: 8 Feb 2018 2:10

Tgt Ion:172 Resp: 1369435  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.5 19.6 29.4



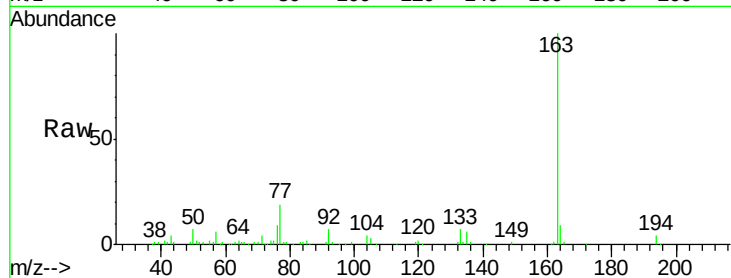




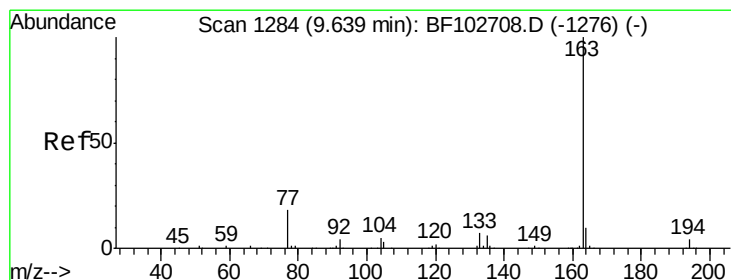
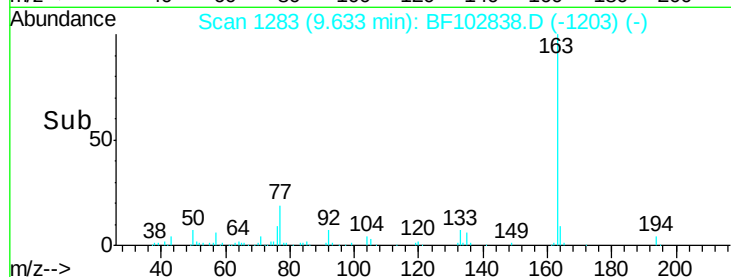
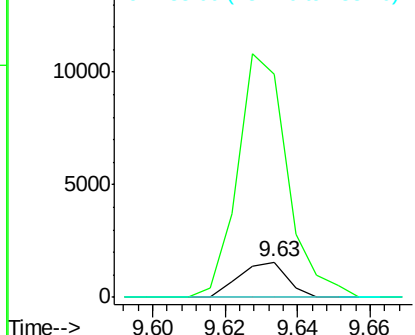
#47  
2-Nitroaniline  
Concen: 3.70 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. 0.17 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 65 Resp: 1436  
Ion Ratio Lower Upper  
65 100  
92 630.5 55.8 83.6#  
138 0.0 91.2 136.8#

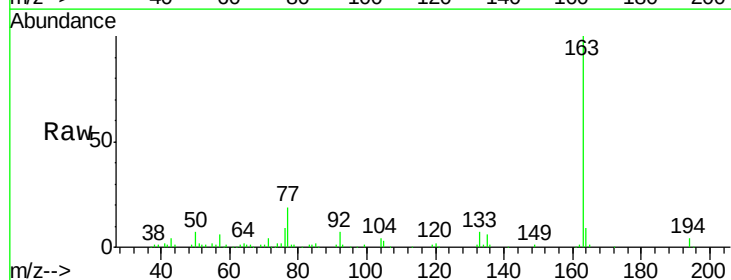


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

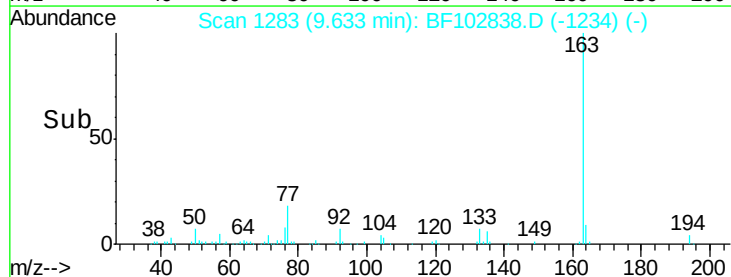
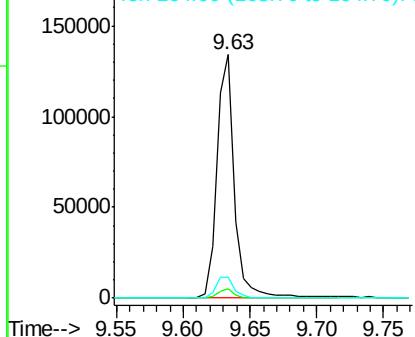


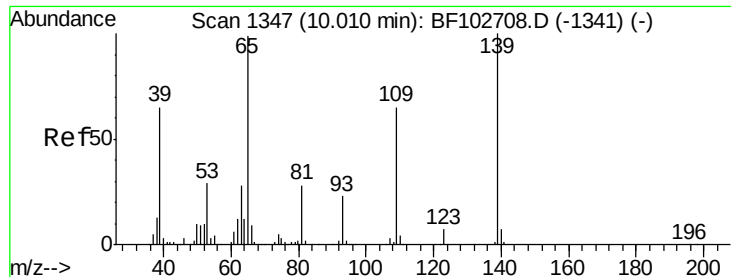
#49  
Dimethylphthalate  
Concen: 5.54 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion:163 Resp: 124412  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 8.8 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

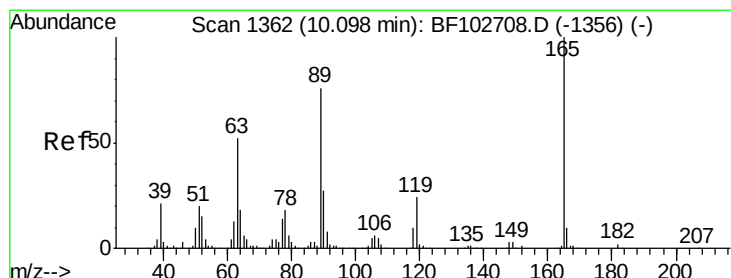
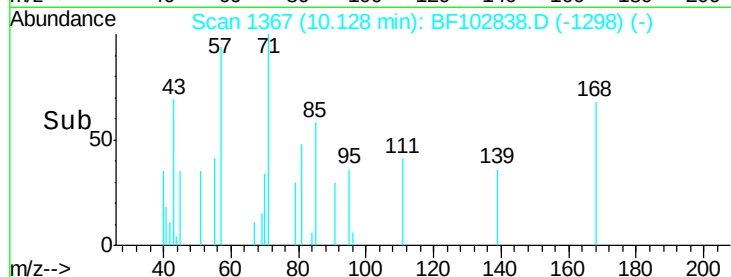
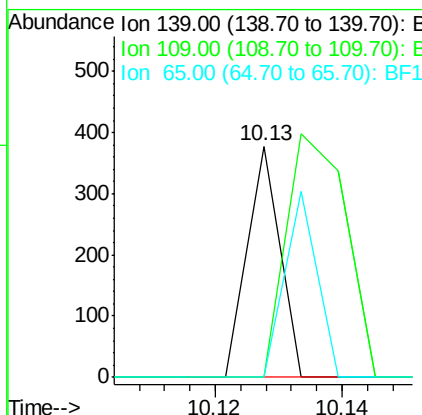
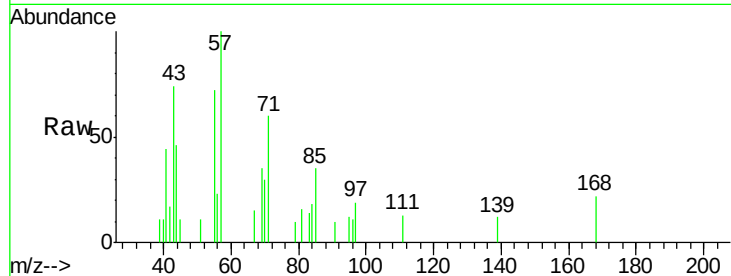




#55  
4-Nitrophenol  
Concen: 4.05 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.11 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

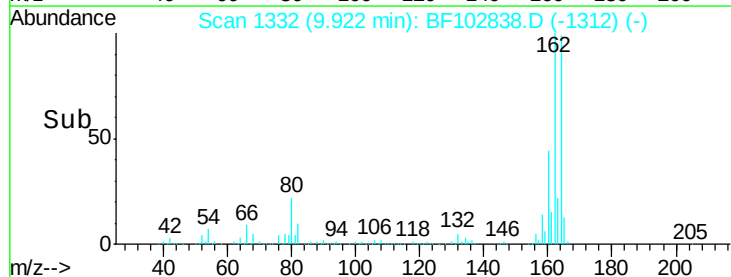
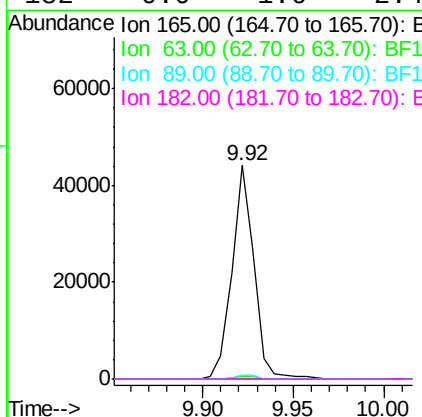
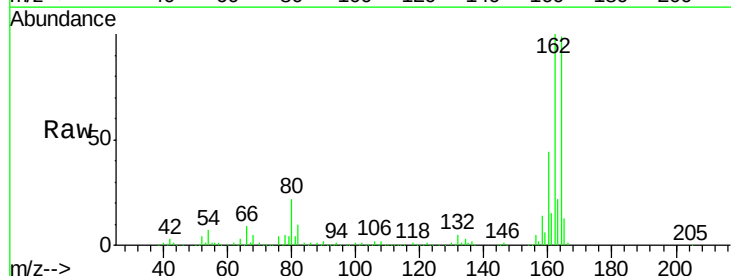
Instrument :  
BNA\_F  
ClientSampled :

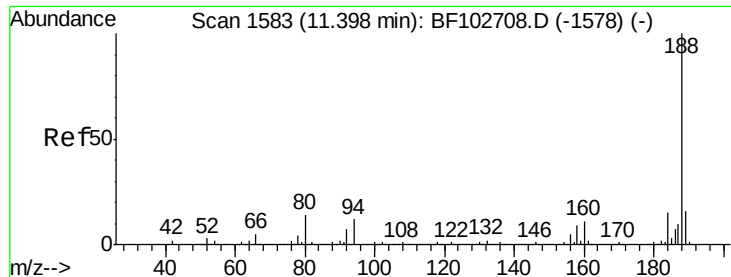
Tot Ion:139 Resp: 133  
Ion Ratio Lower Upper  
139 100  
109 0.0 48.4 88.4#  
65 0.0 72.6 112.6#



#56  
2,4-Dinitrotoluene  
Concen: 9.21 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.18 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion:165 Resp: 37552  
Ion Ratio Lower Upper  
165 100  
63 1.1 36.4 54.6#  
89 1.8 57.8 86.6#  
182 0.0 1.6 2.4#

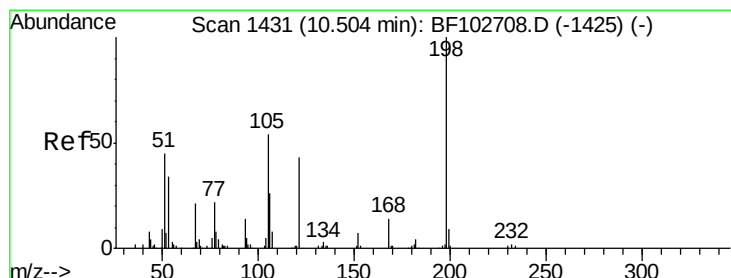
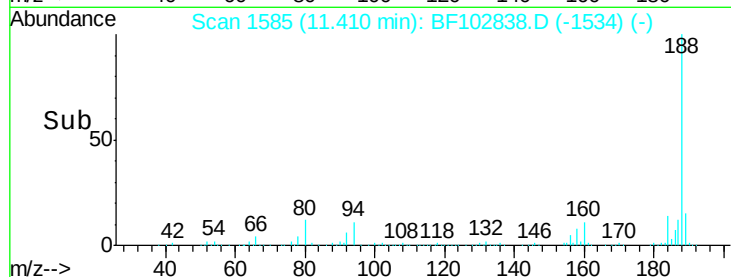
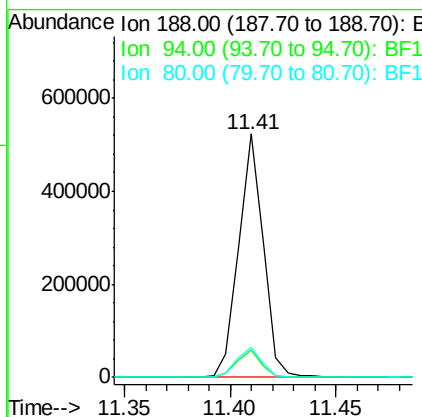
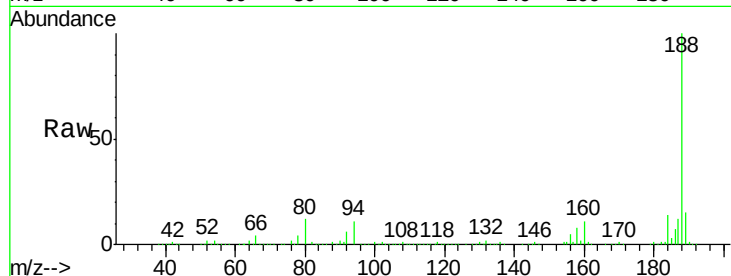




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.00 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

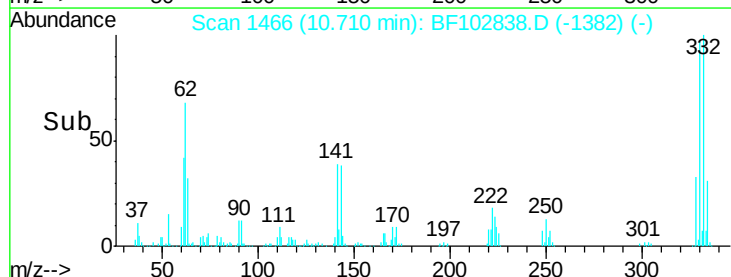
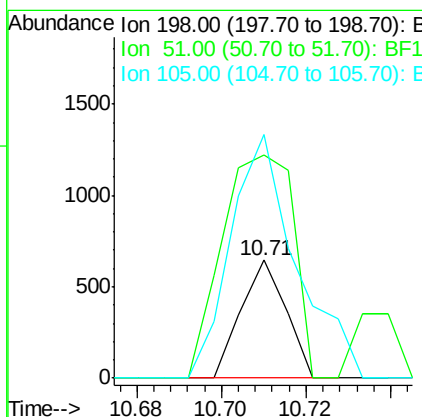
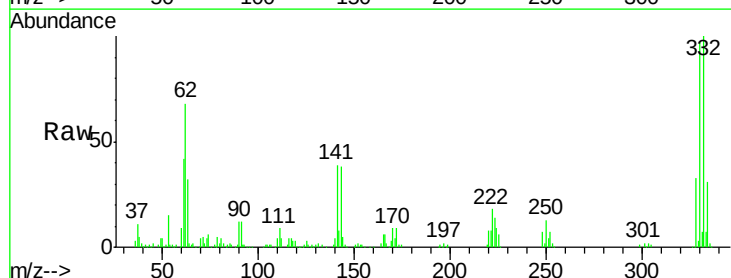
Instrument :  
BNA\_F  
ClientSampleId :

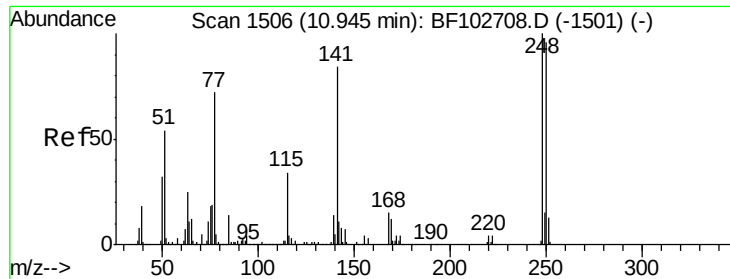
Tot Ion:188 Resp: 422916  
Ion Ratio Lower Upper  
188 100  
94 11.3 8.5 12.7  
80 12.4 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 9.04 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.19 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion:198 Resp: 473  
Ion Ratio Lower Upper  
198 100  
51 189.6 37.7 77.7#  
105 207.0 36.3 76.3#

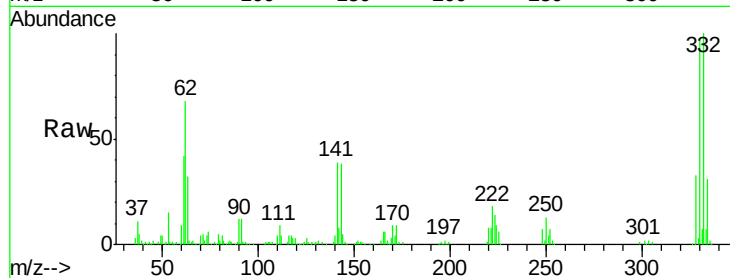




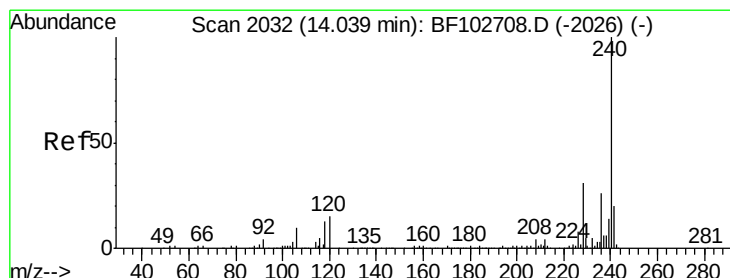
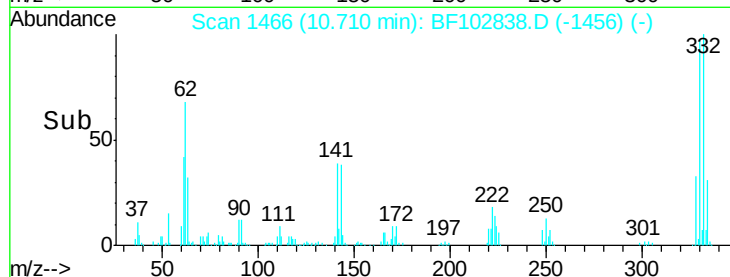
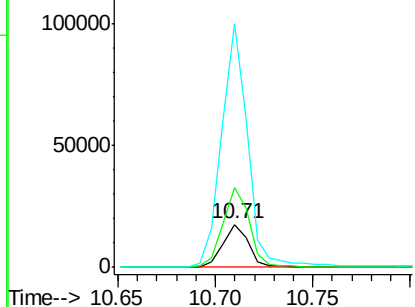
#66  
4-Bromophenyl-phenylether  
Concen: 3.65 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.24 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 16308  
Ion Ratio Lower Upper  
248 100  
250 186.3 76.9 115.3#  
141 565.4 74.4 111.6#

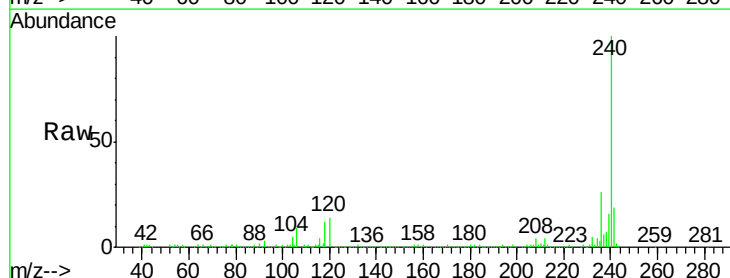


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

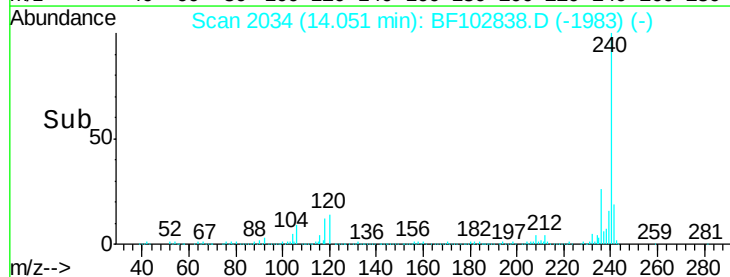
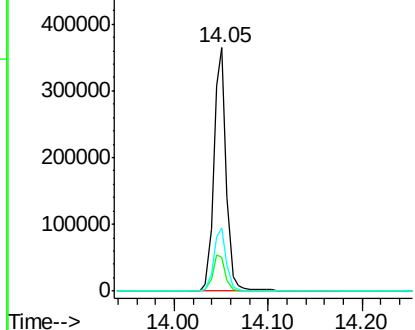


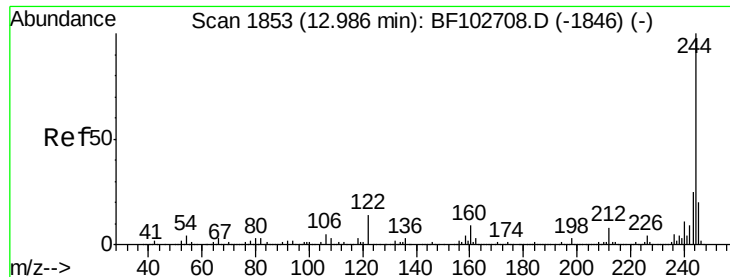
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: BF102838.D  
Acq: 8 Feb 2018 2:10

Tgt Ion:240 Resp: 342037  
Ion Ratio Lower Upper  
240 100  
120 13.6 9.5 14.3  
236 26.2 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: 66.93 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

Instrument :

BNA\_F

ClientSampleId :

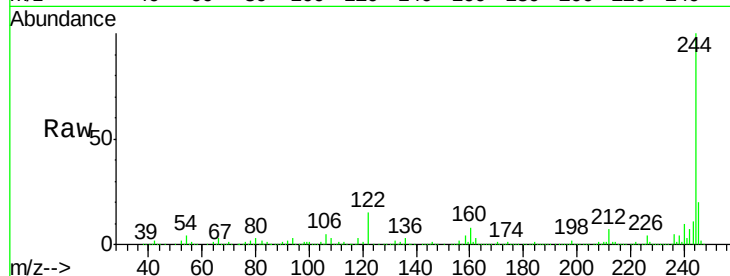
Tot Ion:244 Resp: 966832

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

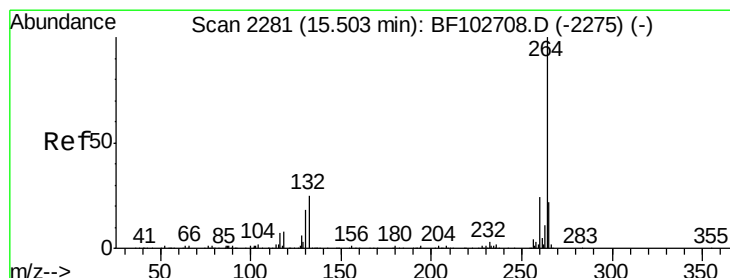
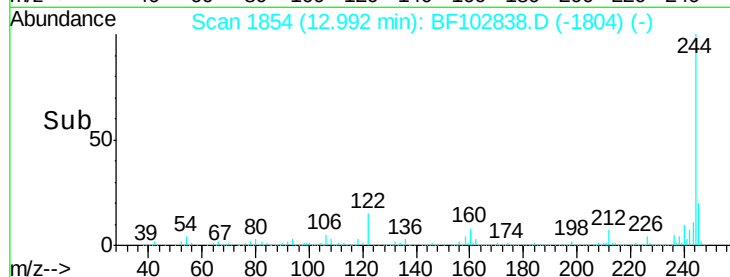
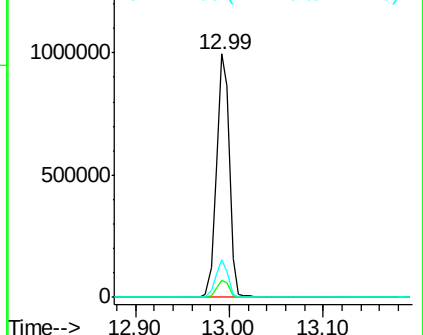
122 15.2 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF102838.D

Acq: 8 Feb 2018 2:10

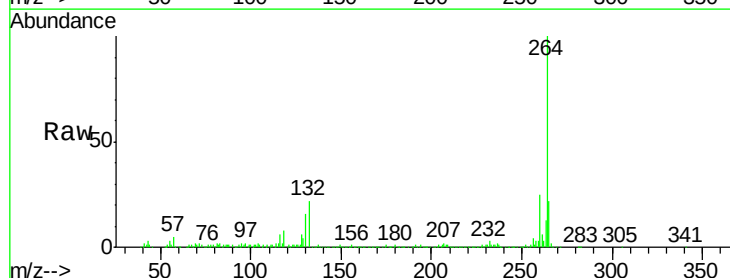
Tgt Ion:264 Resp: 259428

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.1 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

