

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\  
 Data File : BF102879.D  
 Acq On : 9 Feb 2018 10:56  
 Operator : SJ/JU  
 Sample : J1492-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 09 13:49:44 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  | 169222   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 710187   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 320793   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.41 | 188  | 523639   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 323740   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.54 | 264  | 340825   | 20.00 | ng    | 0.01     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.50  | 112 | 567404  | 50.92 | ng | 0.00 |
| 7) Phenol-d6                | 6.51  | 99  | 980315  | 73.07 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.45  | 82  | 761473  | 74.38 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330 | 122428  | 47.42 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.24  | 172 | 1195461 | 61.84 | ng | 0.00 |
| 78) Terphenyl-d14           | 13.00 | 244 | 910391  | 66.58 | ng | 0.00 |

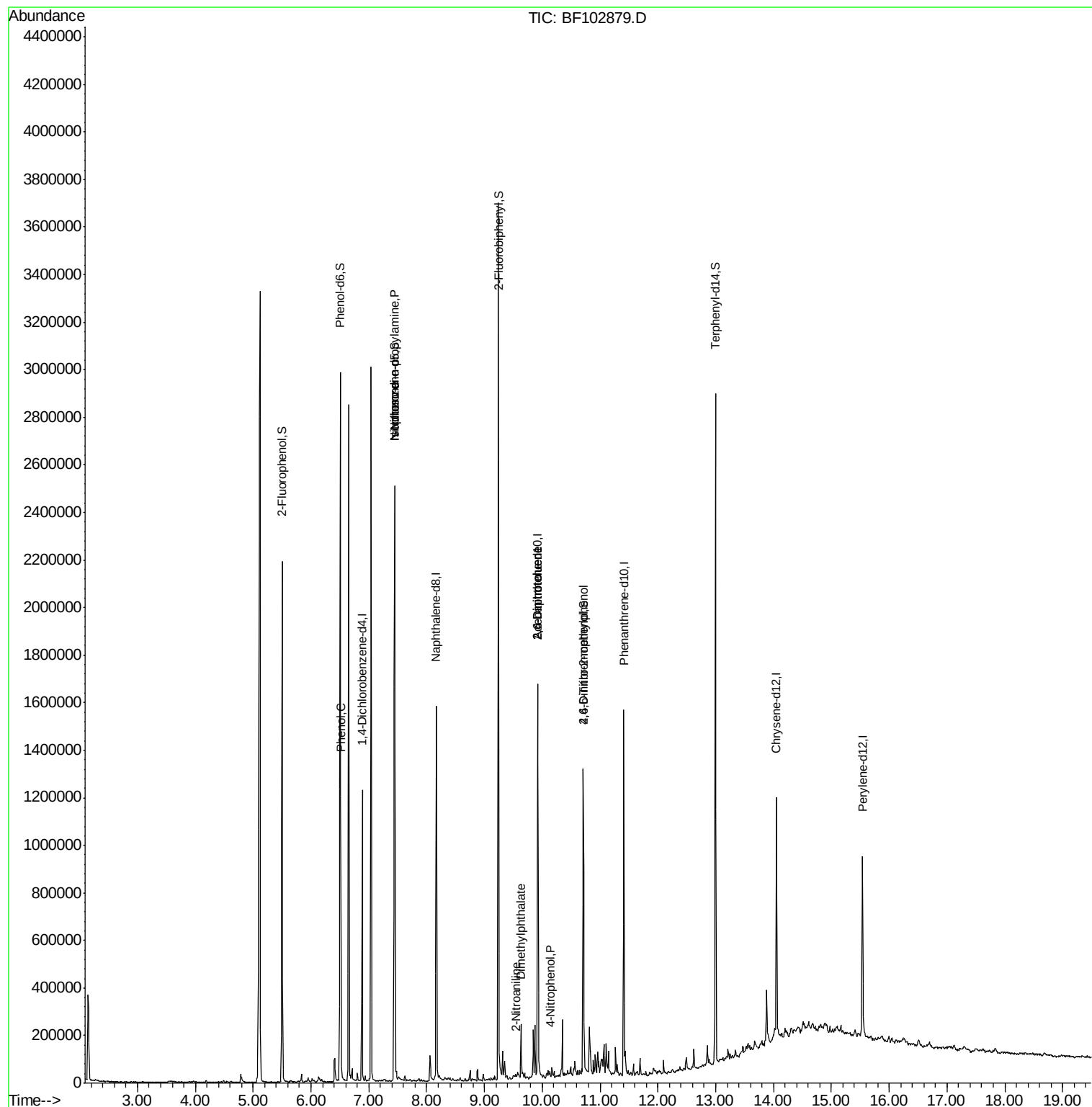
|                                |       |     |        |           |    |      |
|--------------------------------|-------|-----|--------|-----------|----|------|
| Target Compounds               |       |     |        | Qvalue    |    |      |
| 10) Phenol                     | 6.52  | 94  | 46341  | 3.223     | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70  | 108715 | 12.290    | ng | # 85 |
| 24) Nitrobenzene               | 7.49  | 77  | 129    | Below Cal | #  | 38   |
| 25) Isophorone                 | 7.45  | 82  | 761463 | 32.301    | ng | # 64 |
| 47) 2-Nitroaniline             | 9.55  | 65  | 125    | 3.490     | ng | # 2  |
| 49) Dimethylphthalate          | 9.63  | 163 | 71947  | 2.876     | ng | 99   |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165 | 42003  | 8.826     | ng | # 26 |
| 55) 4-Nitrophenol              | 10.13 | 139 | 1143   | 4.250     | ng | # 32 |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165 | 42003  | 9.235     | ng | # 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198 | 112    | 8.840     | ng | # 1  |

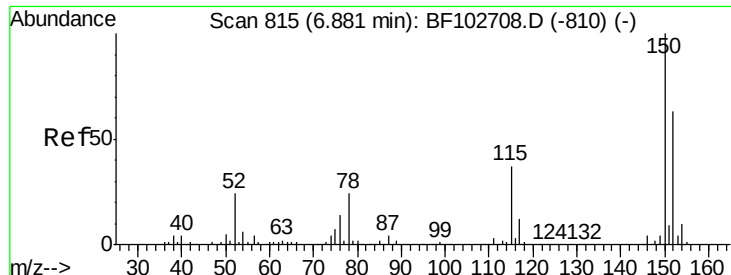
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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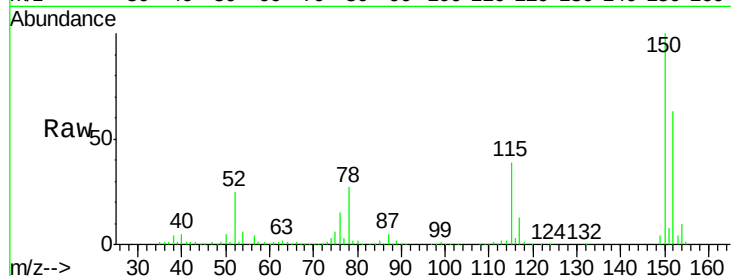


#1

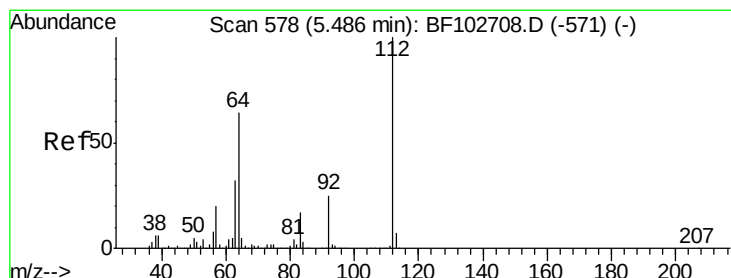
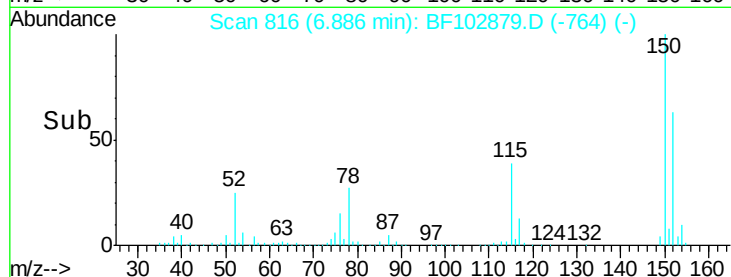
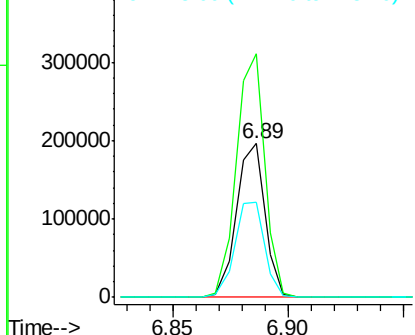
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 169222  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.6 186.8  
115 61.5 50.1 75.1



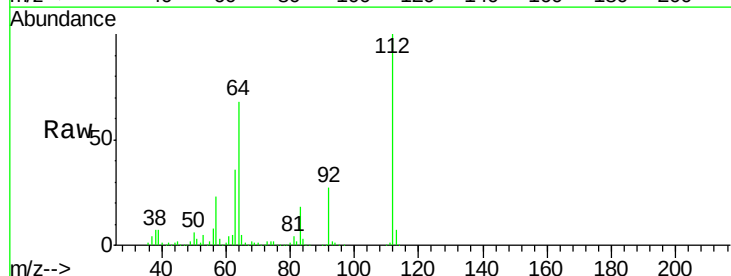
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



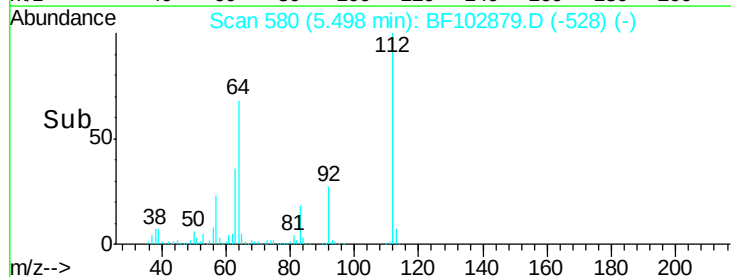
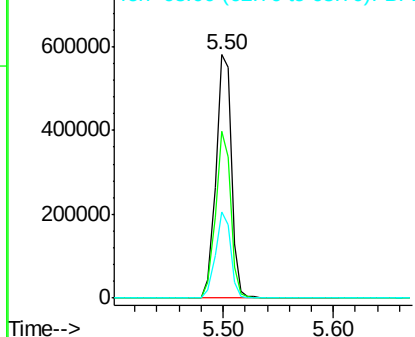
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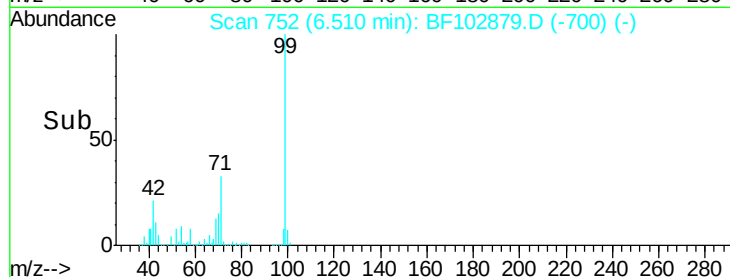
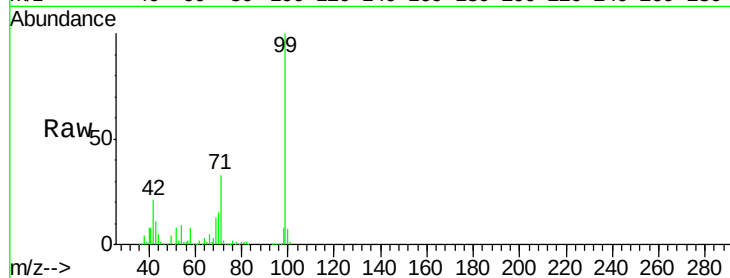
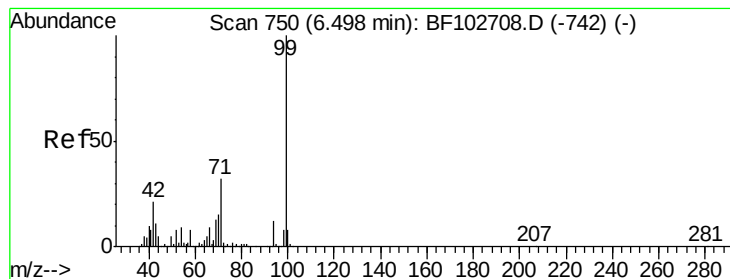
2-Fluorophenol  
Concen: 50.921 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Tgt Ion:112 Resp: 567404  
Ion Ratio Lower Upper  
112 100  
64 68.3 47.9 71.9  
63 35.6 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: 73.067 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

Instrument :

BNA\_F

ClientSampleId :

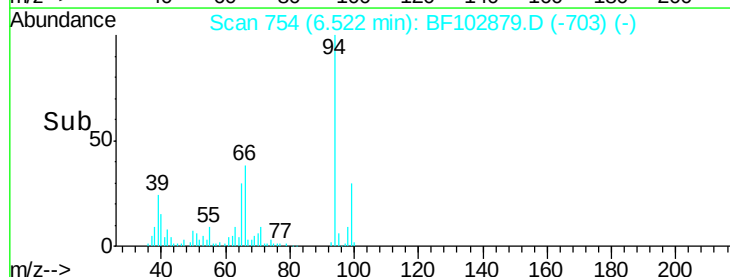
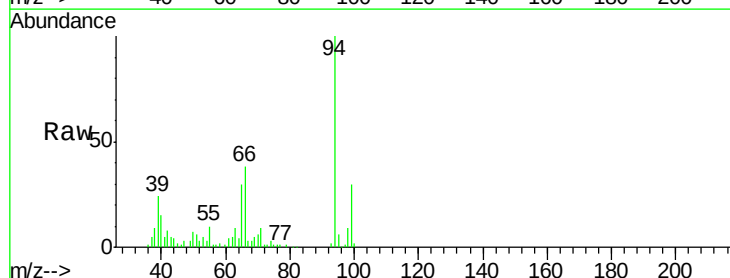
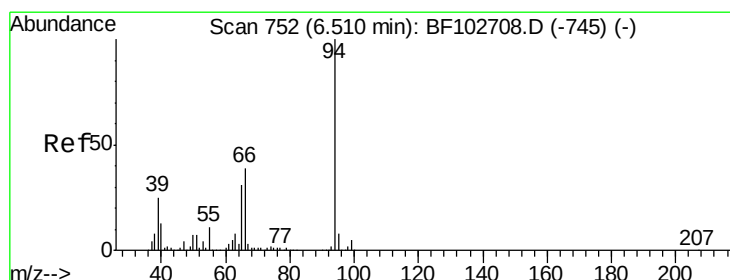
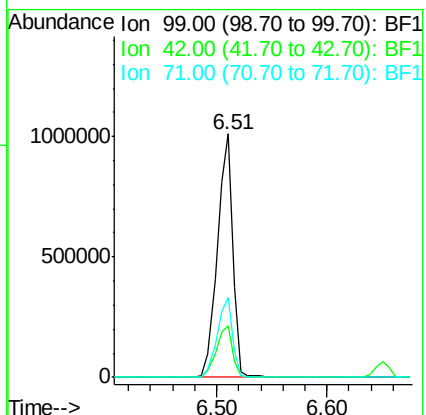
Tot Ion: 99 Resp: 980315

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 32.7 25.4 38.0



#10

Phenol

Concen: 3.223 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

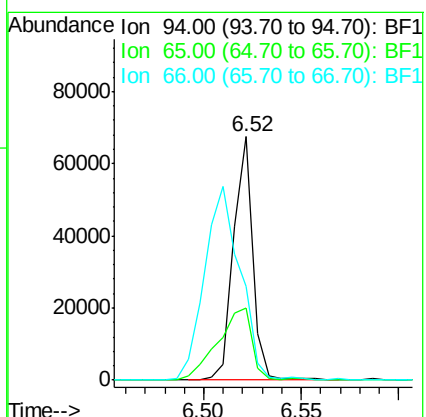
Tgt Ion: 94 Resp: 46341

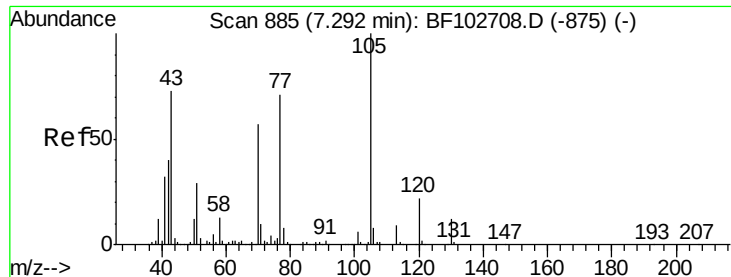
Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

66 38.3 16.2 56.2

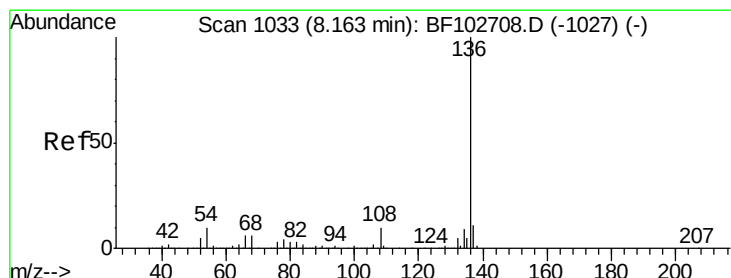
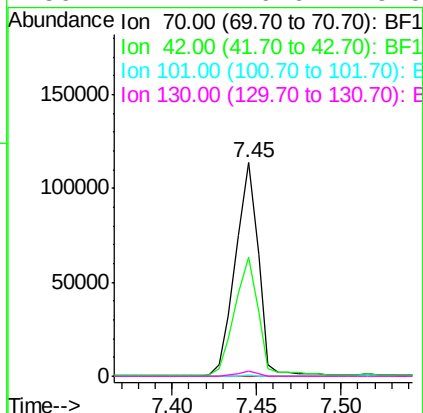
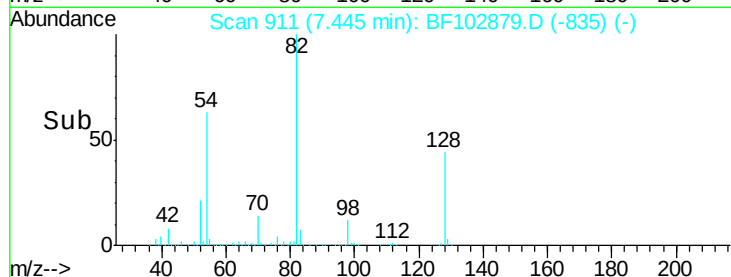
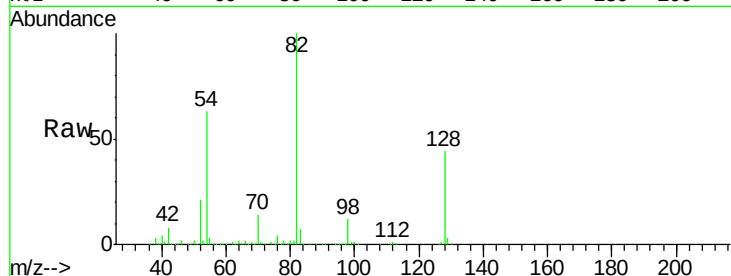




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.290 ng  
RT: 7.45 min Scan# 911  
Delta R.T. 0.15 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

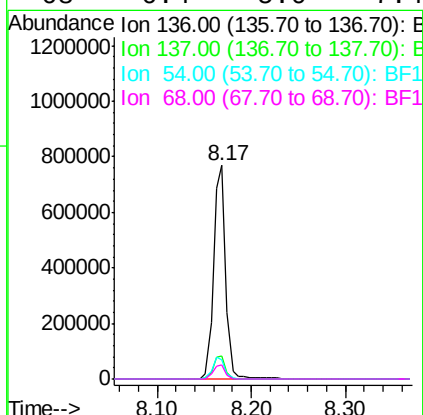
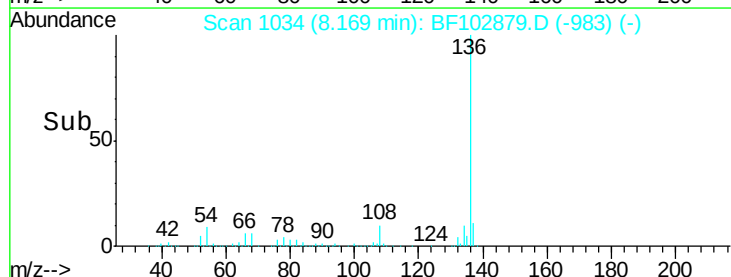
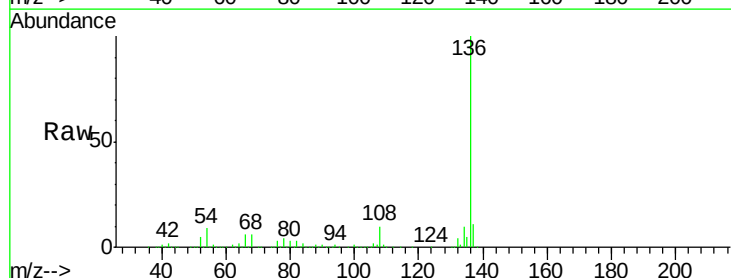
Instrument :  
BNA\_F  
ClientSampleId :

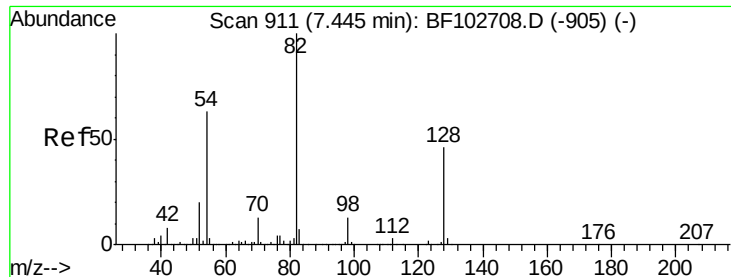
Tot Ion: 70 Resp: 108715  
Ion Ratio Lower Upper  
70 100  
42 56.0 47.5 71.3  
101 0.4 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Tgt Ion:136 Resp: 710187  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 9.2 6.6 9.8  
68 6.4 5.0 7.4

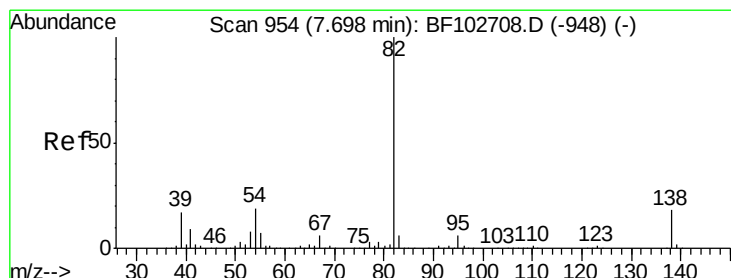
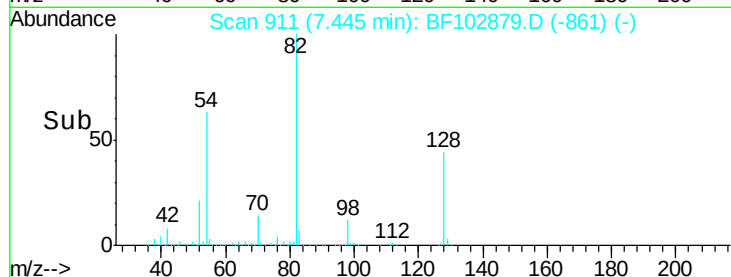
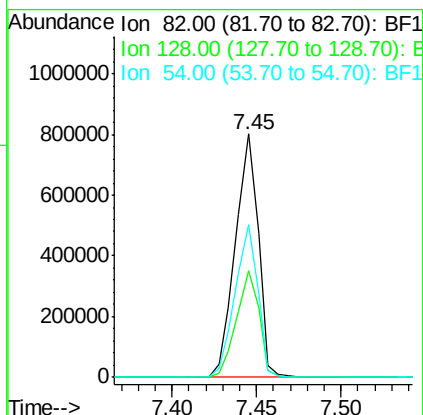
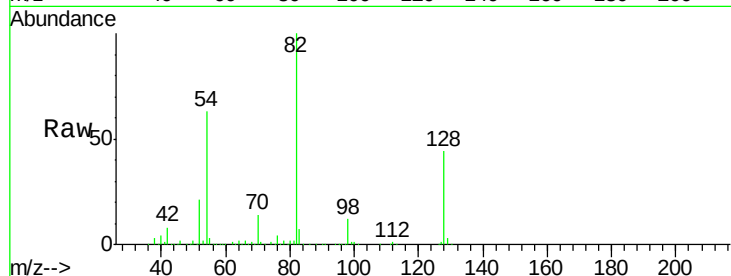




#23  
Nitrobenzene-d5  
Concen: 74.380 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

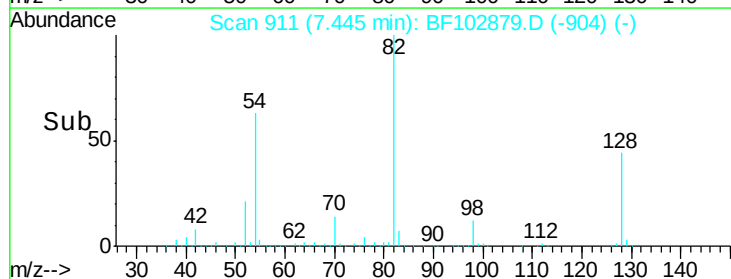
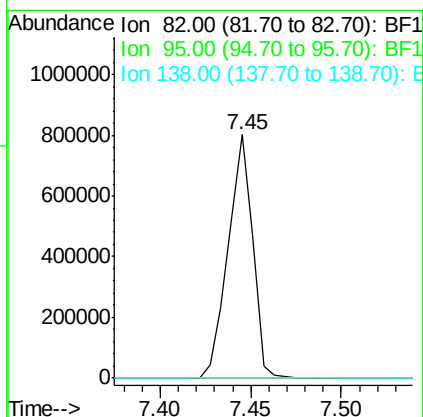
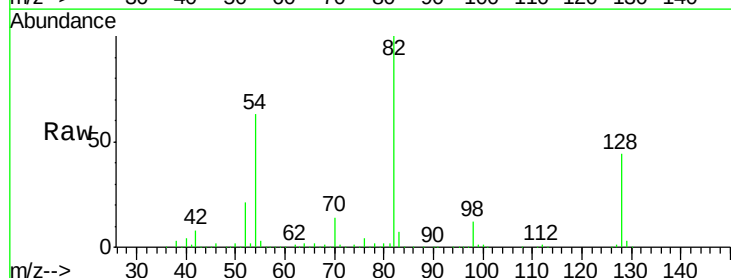
Instrument :  
BNA\_F  
ClientSampled :

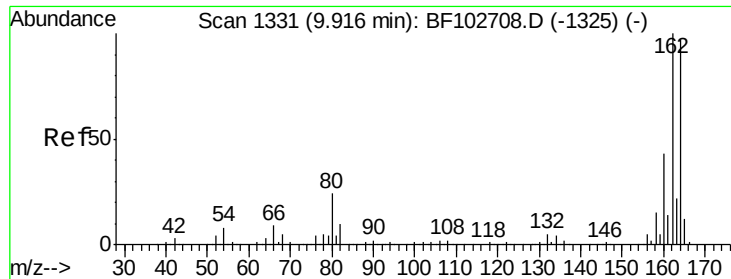
Tot Ion: 82 Resp: 761473  
Ion Ratio Lower Upper  
82 100  
128 43.8 36.1 54.1  
54 62.7 41.4 62.2#



#25  
Isophorone  
Concen: 32.301 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.26 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Tgt Ion: 82 Resp: 761463  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.2 7.8#  
138 0.0 14.9 22.3#

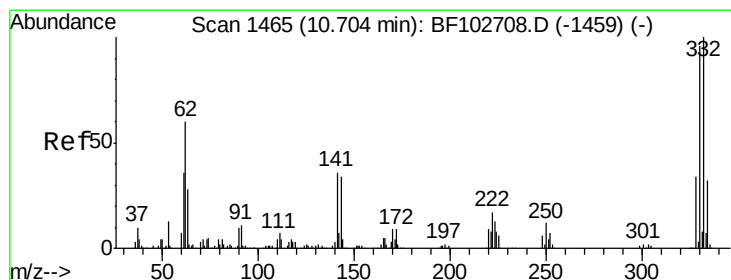
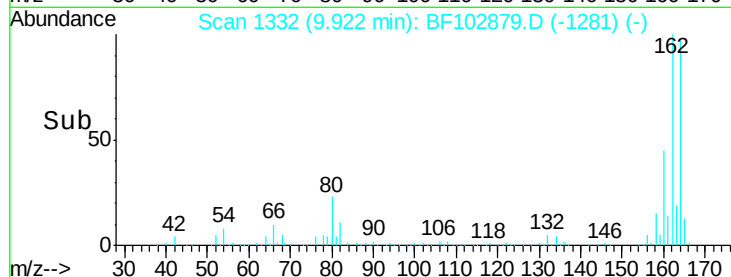
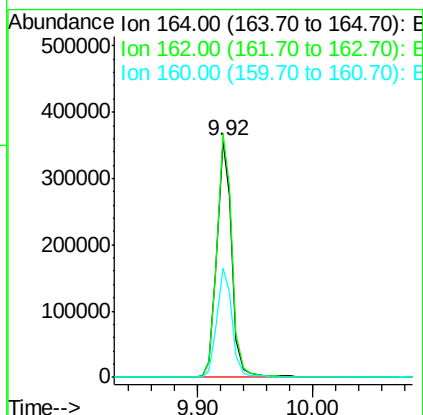
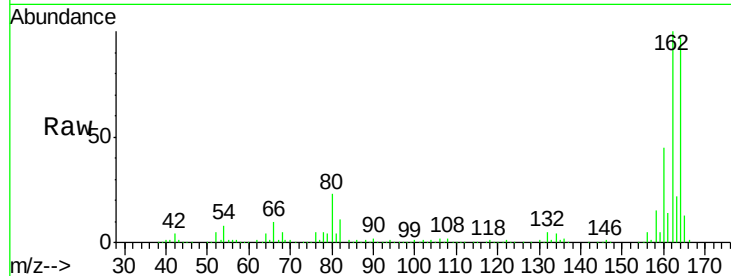




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

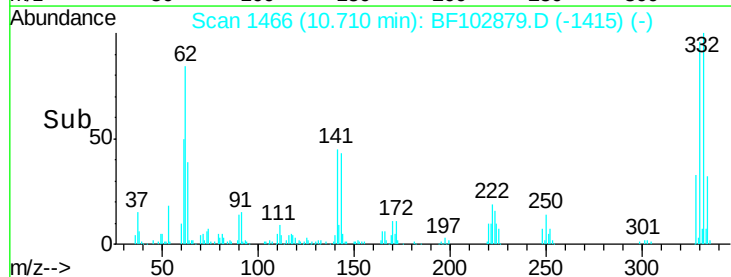
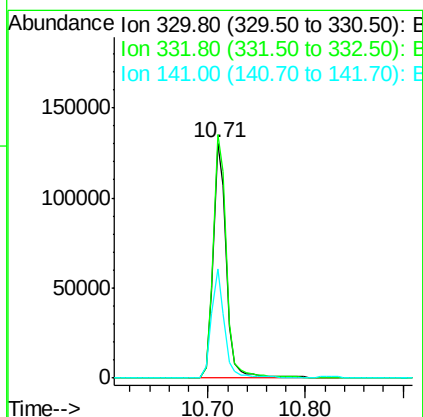
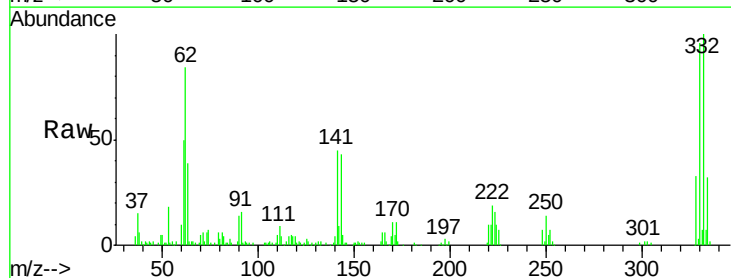
Instrument :  
BNA\_F  
ClientSampleId :

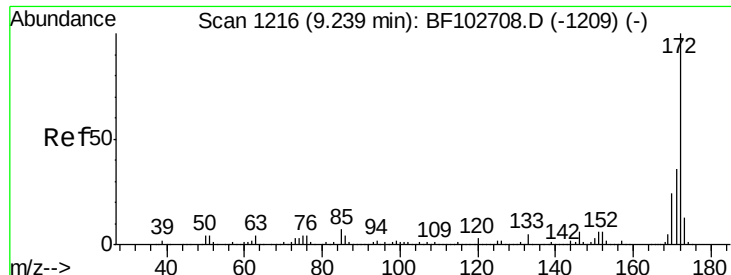
Tot Ion:164 Resp: 320793  
Ion Ratio Lower Upper  
164 100  
162 103.1 86.1 129.1  
160 46.3 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 47.416 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.00 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Tgt Ion:330 Resp: 122428  
Ion Ratio Lower Upper  
330 100  
332 105.1 77.0 115.6  
141 46.8 29.9 44.9#

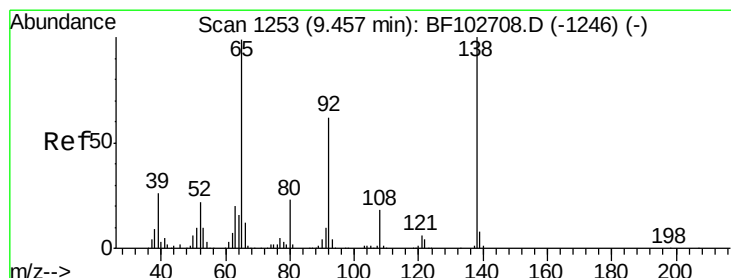
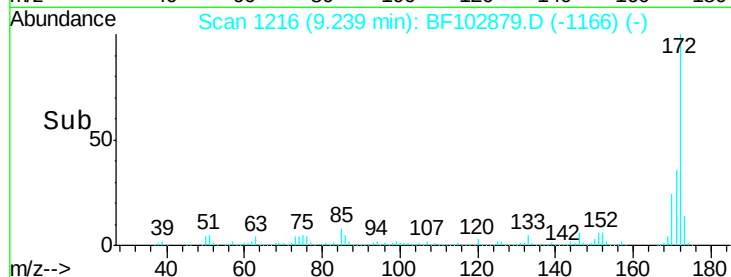
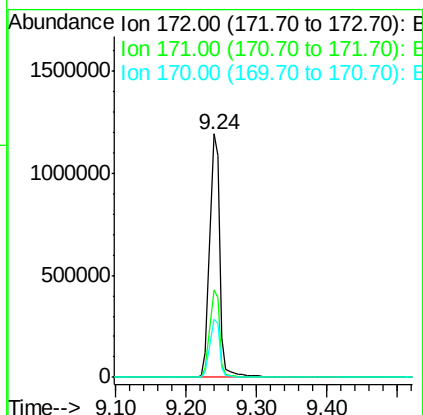
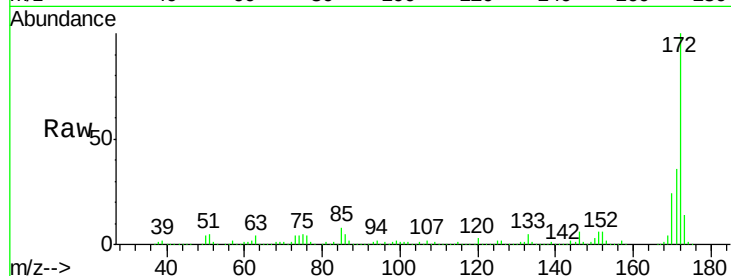




#44  
 2-Fluorobiphenyl  
 Concen: 61.837 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF102879.D  
 Acq: 9 Feb 2018 10:56

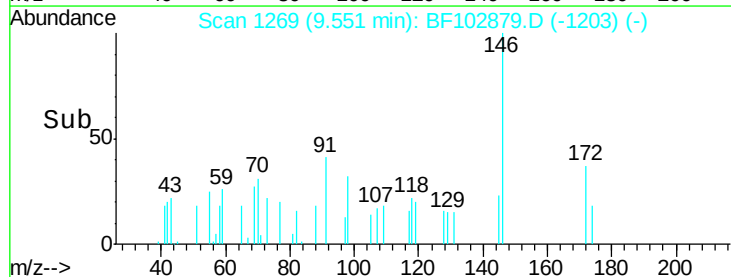
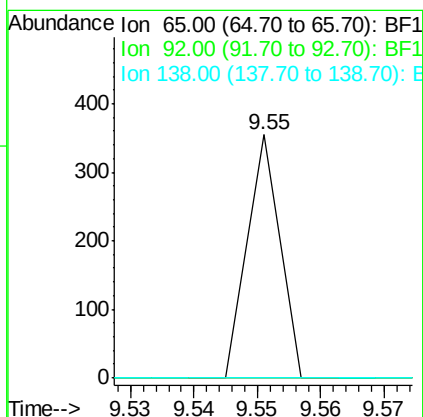
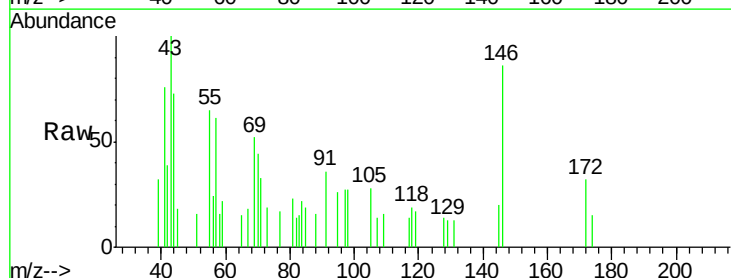
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1195461  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 23.9 19.6 29.4

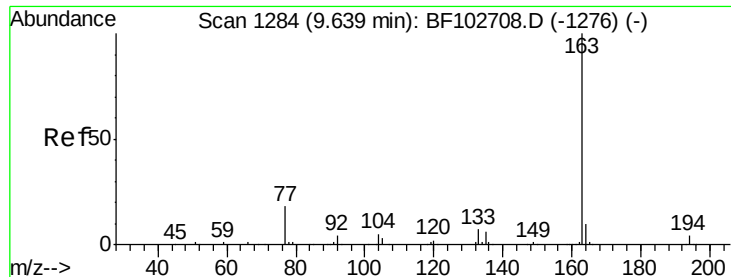


#47  
 2-Nitroaniline  
 Concen: 3.490 ng  
 RT: 9.55 min Scan# 1269  
 Delta R.T. 0.09 min  
 Lab File: BF102879.D  
 Acq: 9 Feb 2018 10:56

Tgt Ion: 65 Resp: 125  
 Ion Ratio Lower Upper  
 65 100  
 92 0.0 55.8 83.6#  
 138 0.0 91.2 136.8#







#49

Dimethylphthalate

Concen: 2.876 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

Instrument :  
BNA\_F  
ClientSampleId :

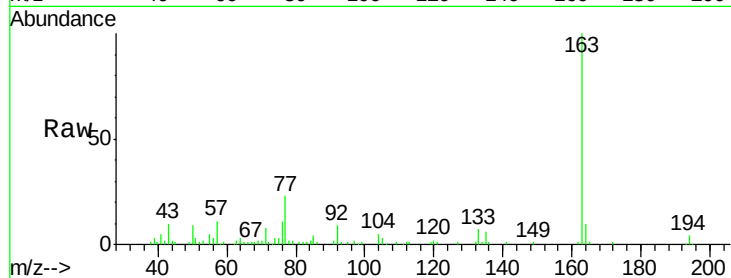
Tot Ion:163 Resp: 71947

Ion Ratio Lower Upper

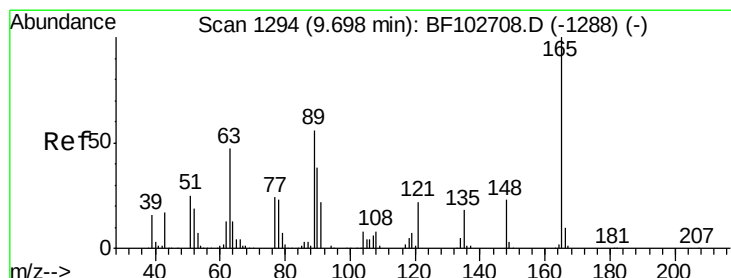
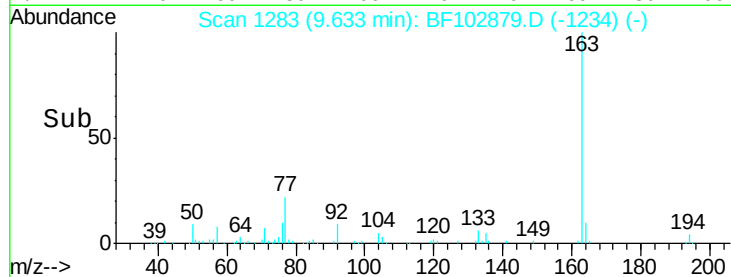
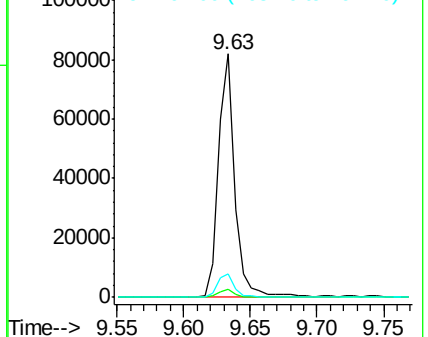
163 100

194 3.5 2.7 4.1

164 9.7 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: 8.826 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

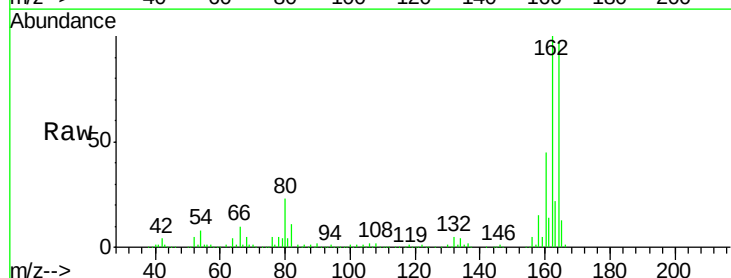
Tgt Ion:165 Resp: 42003

Ion Ratio Lower Upper

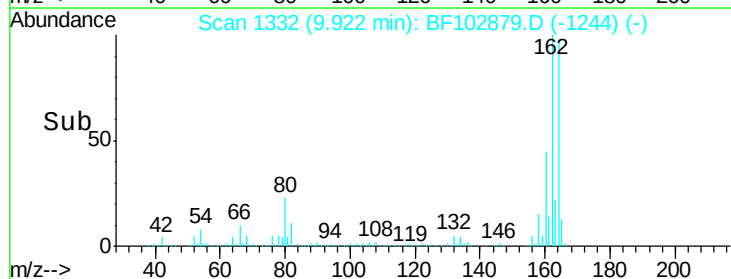
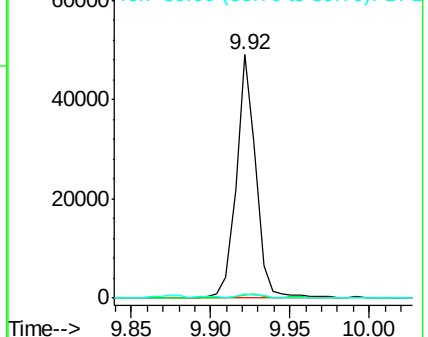
165 100

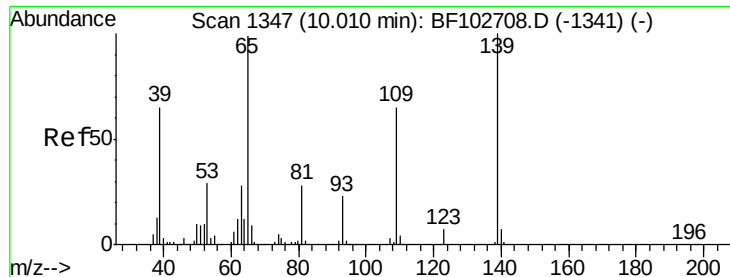
63 1.4 44.7 67.1#

89 1.9 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

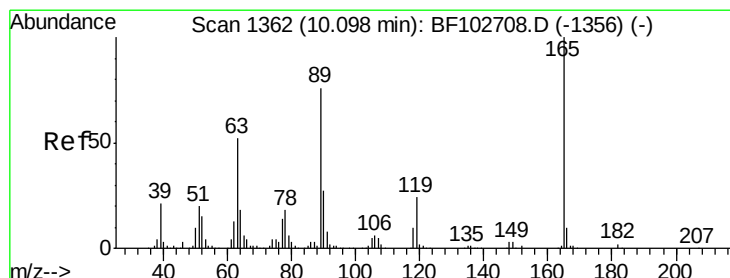
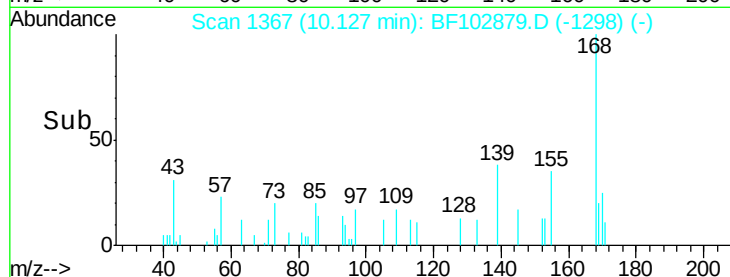
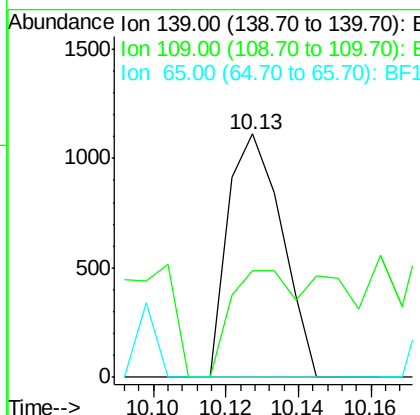
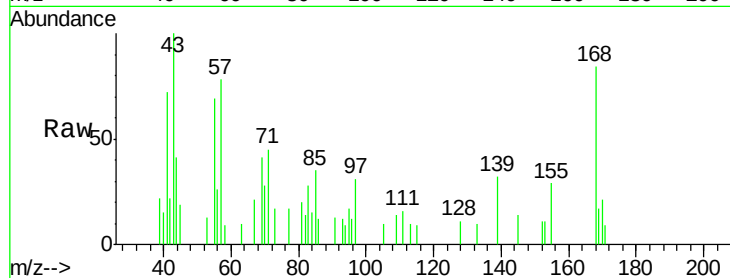




#55  
4-Nitrophenol  
Concen: 4.250 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.11 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

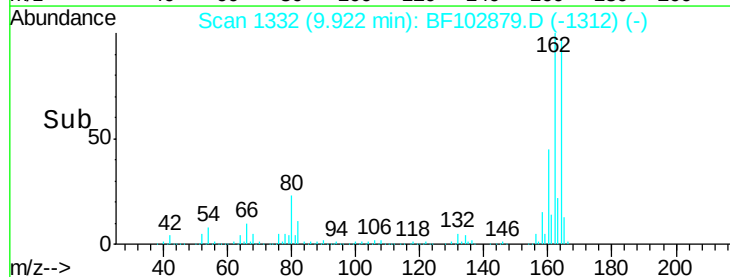
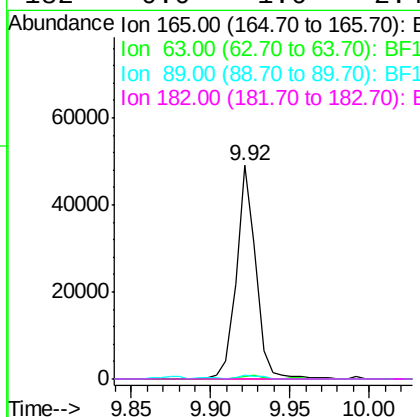
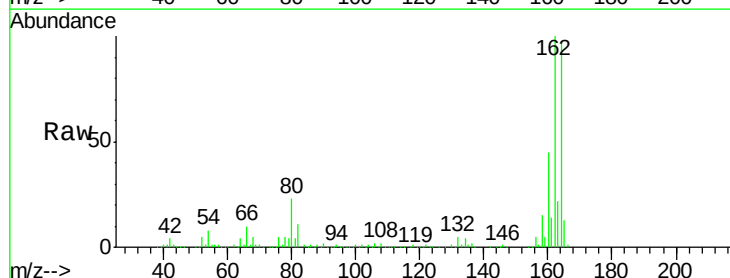
Instrument :  
BNA\_F  
ClientSampled :

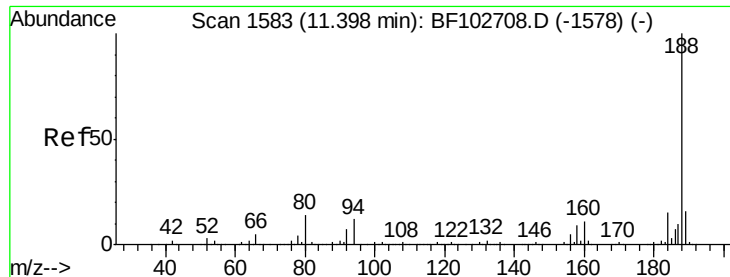
Tot Ion:139 Resp: 1143  
Ion Ratio Lower Upper  
139 100  
109 43.9 48.4 88.4#  
65 0.0 72.6 112.6#



#56  
2,4-Dinitrotoluene  
Concen: 9.235 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.18 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Tgt Ion:165 Resp: 42003  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.4 54.6#  
89 1.9 57.8 86.6#  
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

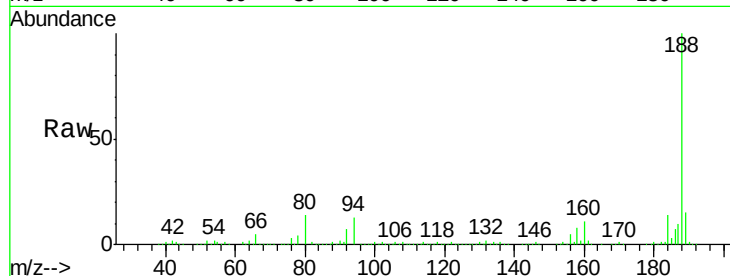
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:188 Resp: 523639

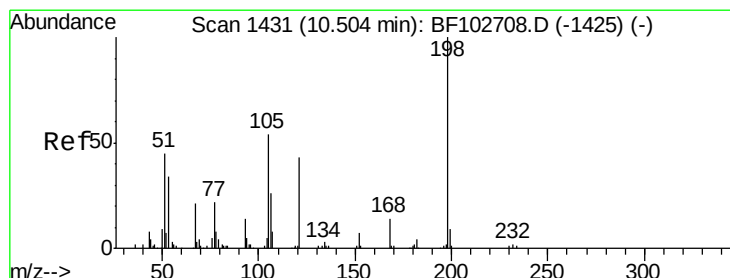
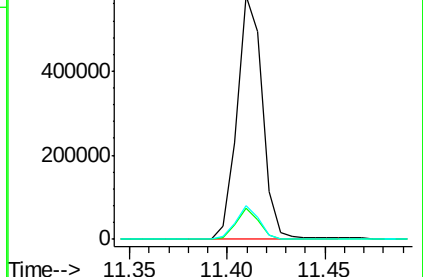
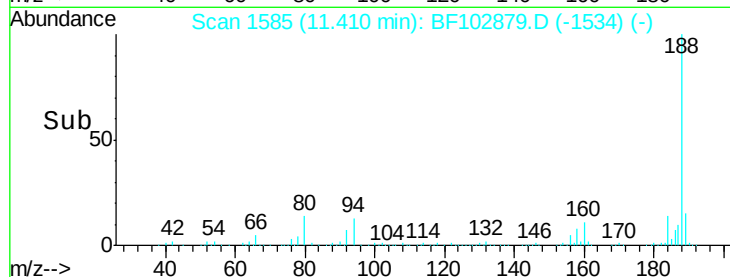
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 12.9  | 8.5   | 12.7# |
| 80  | 13.6  | 9.2   | 13.8  |



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.840 ng

RT: 10.71 min Scan# 1466

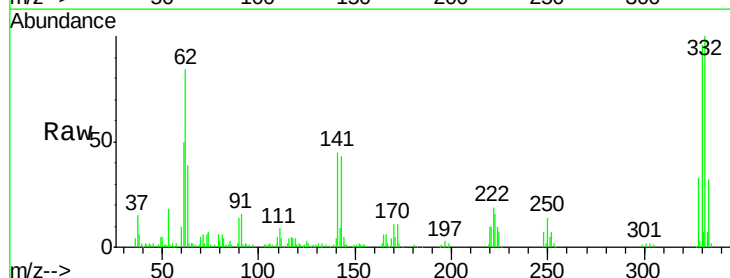
Delta R.T. 0.19 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

Tgt Ion:198 Resp: 112

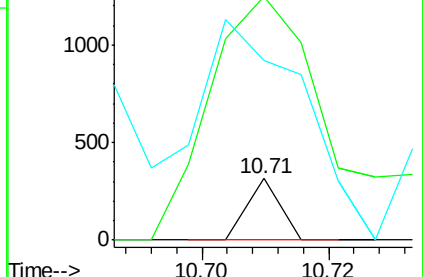
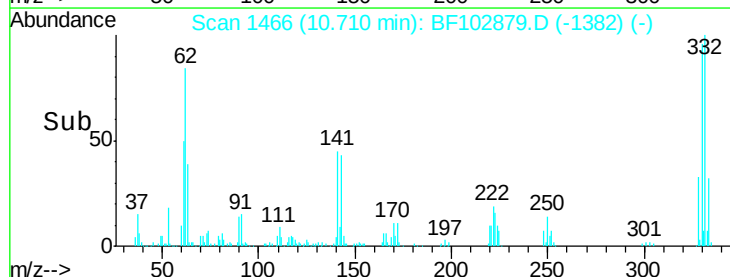
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 394.9 | 37.7  | 77.7# |
| 105 | 290.5 | 36.3  | 76.3# |

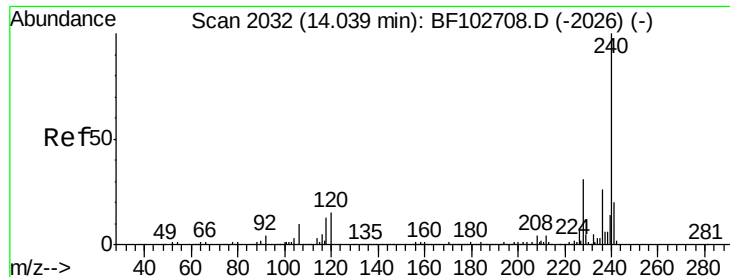


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

Instrument :

BNA\_F

ClientSampleId :

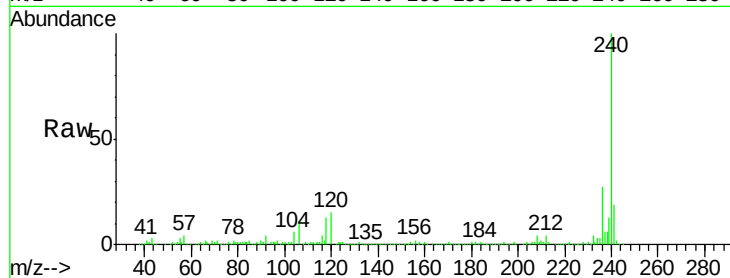
Tot Ion:240 Resp: 323740

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

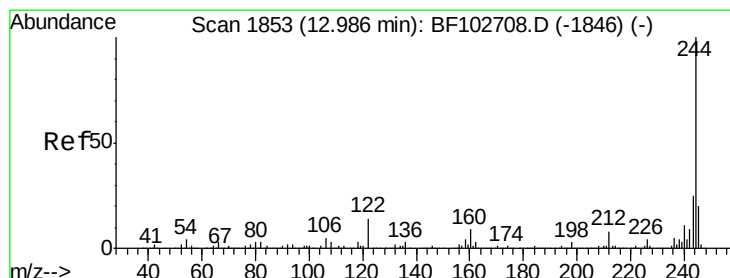
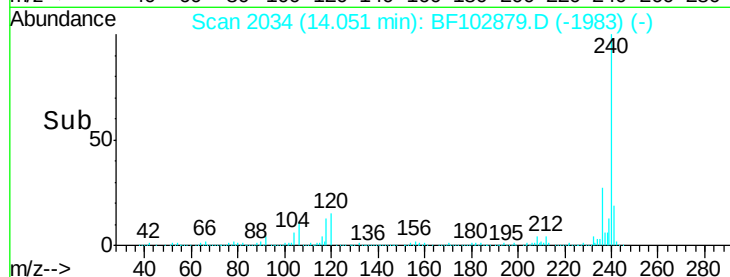
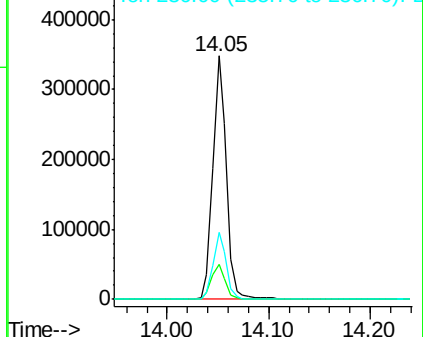
236 27.3 20.7 31.1



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: 66.584 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102879.D

Acq: 9 Feb 2018 10:56

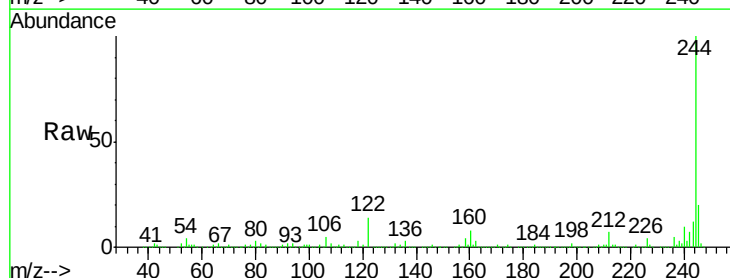
Tgt Ion:244 Resp: 910391

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

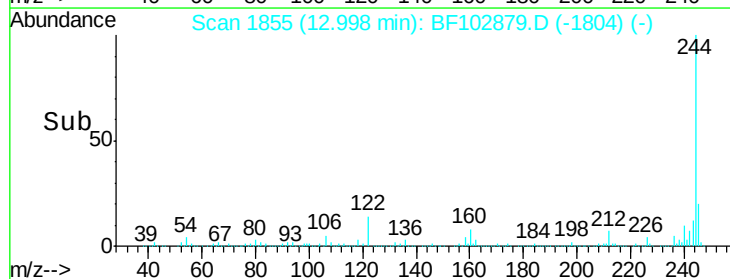
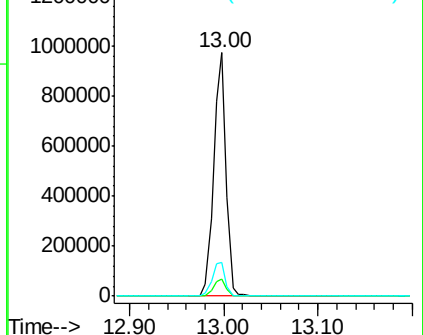
122 13.8 11.0 16.4

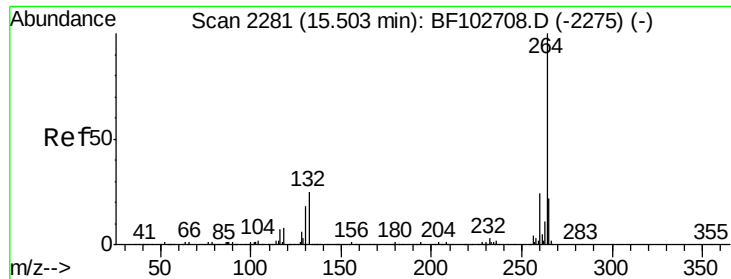


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2287  
Delta R.T. 0.01 min  
Lab File: BF102879.D  
Acq: 9 Feb 2018 10:56

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |

