

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\  
 Data File : BF102865.D  
 Acq On : 8 Feb 2018 19:22  
 Operator : SJ/JU  
 Sample : J1470-15  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 09 00:24:12 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

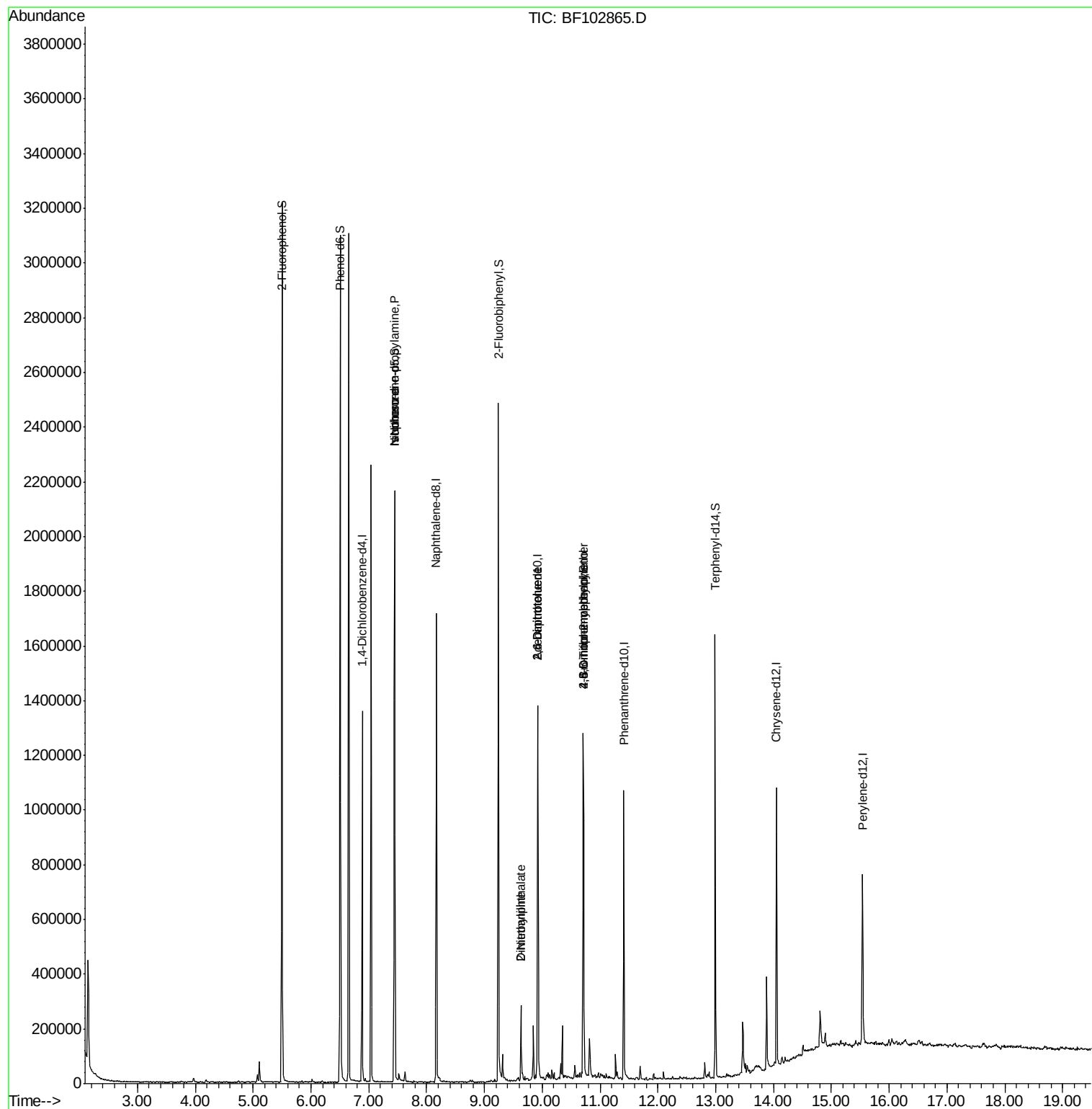
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 175470   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 689846   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 267160   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 374941   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 14.05 | 240  | 326209   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.54 | 264  | 281713   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 803423   | 69.54 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.51  | 99   | 966519   | 69.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 592891   | 59.62 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 120953   | 56.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 732673   | 45.51 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 472783   | 34.32 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 80508    | 8.78  | ng    | # 85     |
| 25) Isophorone                 | 7.45  | 82   | 592879   | 25.89 | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.63  | 65   | 1088     | 3.66  | ng    | # 1      |
| 49) Dimethylphthalate          | 9.63  | 163  | 91287    | 4.38  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165  | 34101    | 8.60  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 34101    | 9.08  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 174      | 8.90  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.71 | 248  | 8404     | 2.12  | ng    | # 1      |

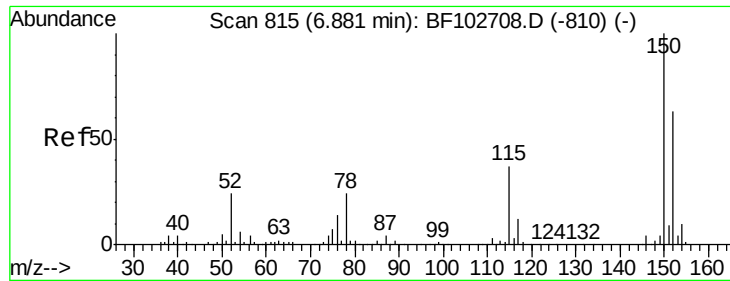
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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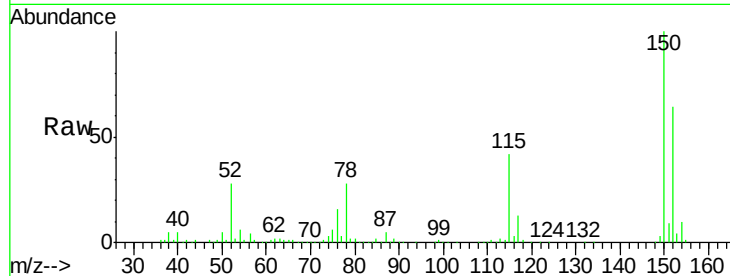


#1

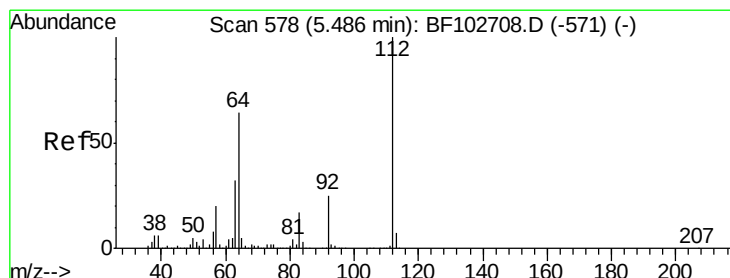
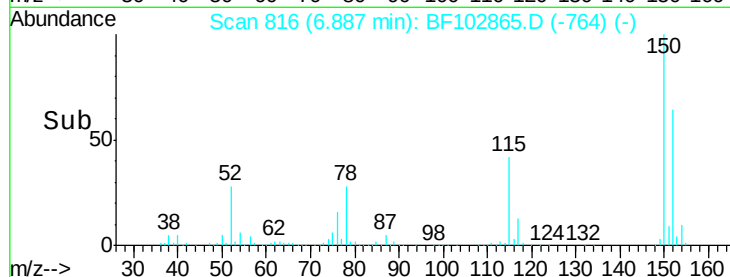
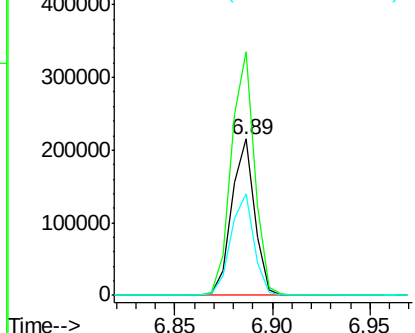
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 175470  
Ion Ratio Lower Upper  
152 100  
150 156.0 124.6 186.8  
115 64.8 50.1 75.1



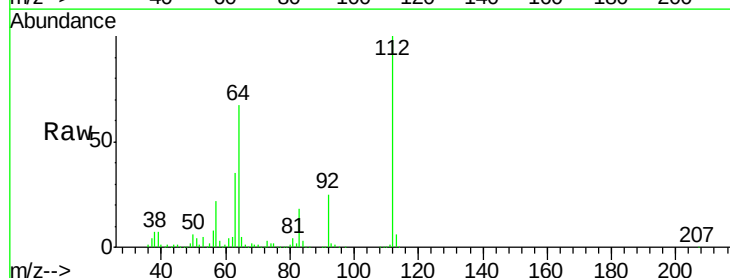
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



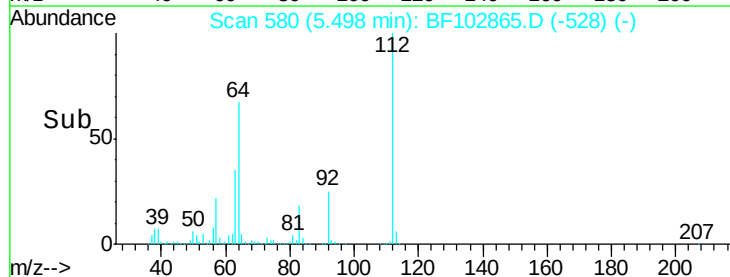
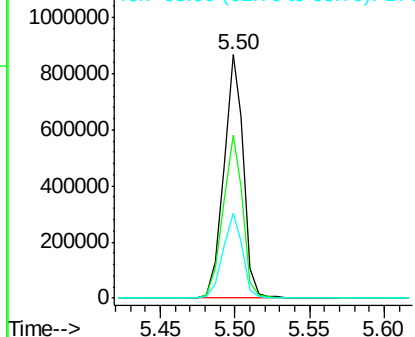
#5

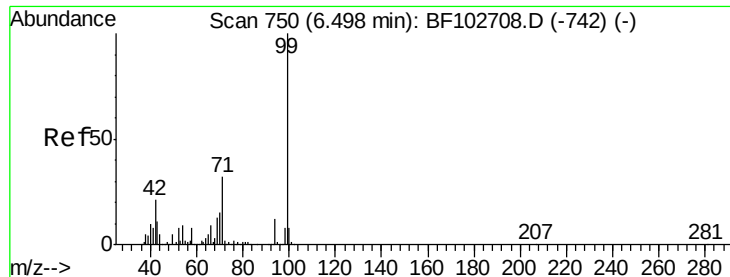
2-Fluorophenol  
Concen: 69.54 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

Tgt Ion:112 Resp: 803423  
Ion Ratio Lower Upper  
112 100  
64 67.0 47.9 71.9  
63 35.1 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: 69.47 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

Instrument :

BNA\_F

ClientSampleId :

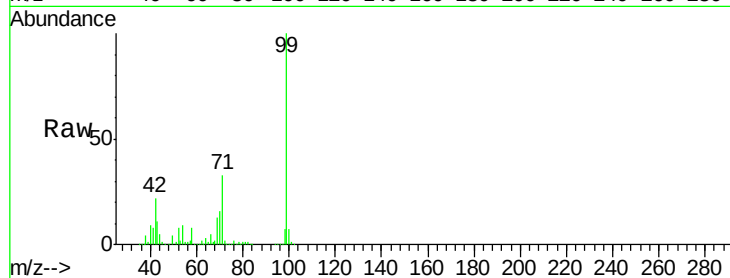
Tot Ion: 99 Resp: 966519

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

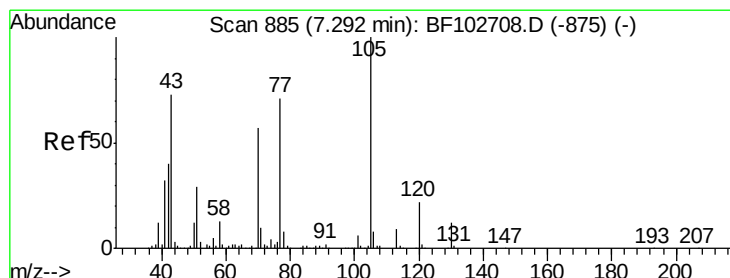
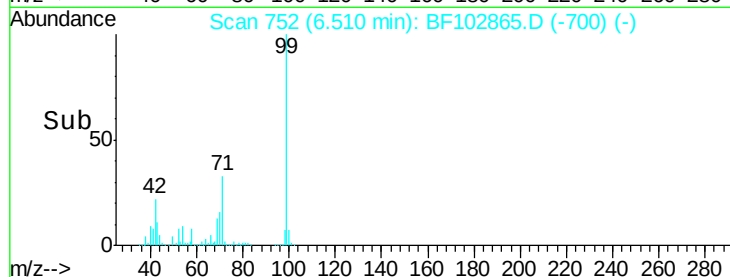
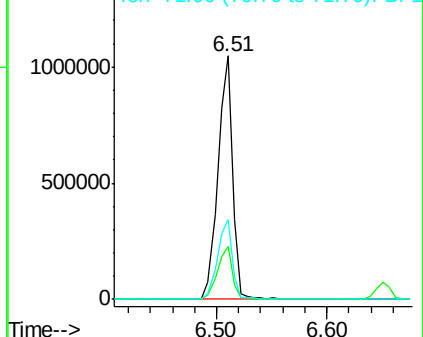
71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.78 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

Tgt Ion: 70 Resp: 80508

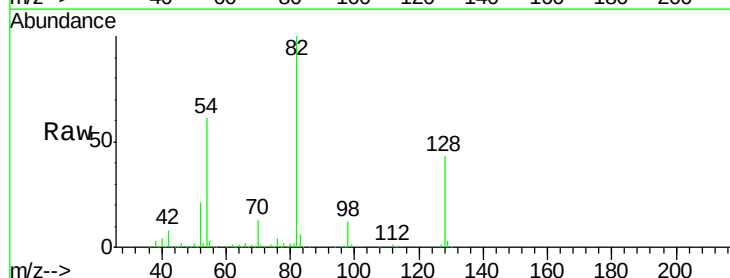
Ion Ratio Lower Upper

70 100

42 56.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

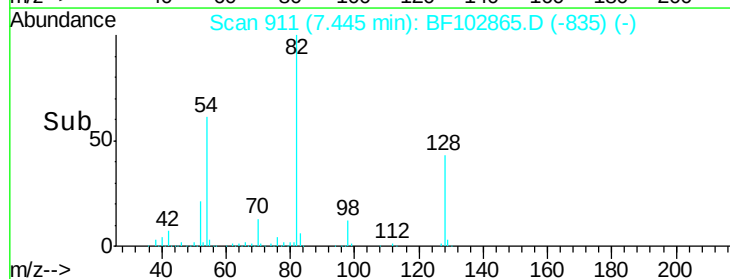
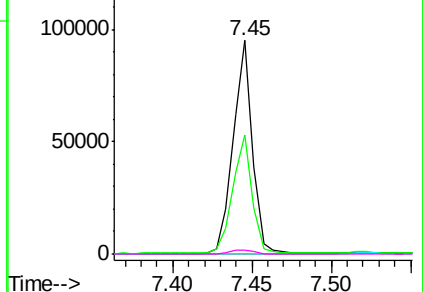


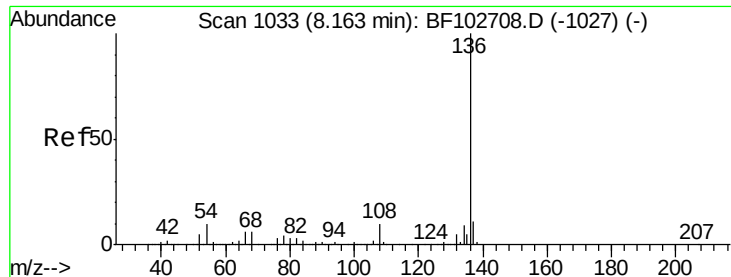
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

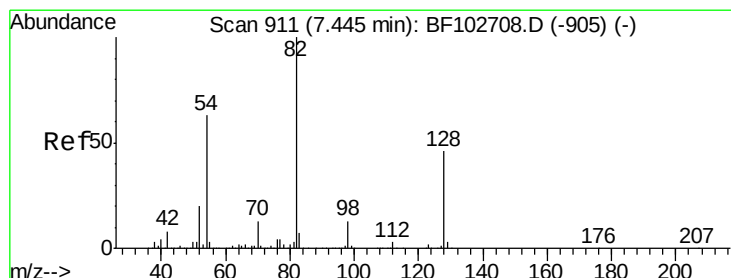
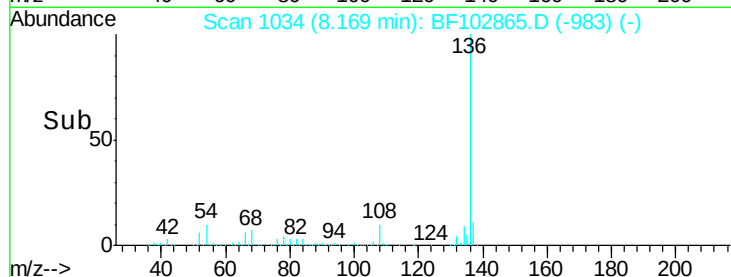
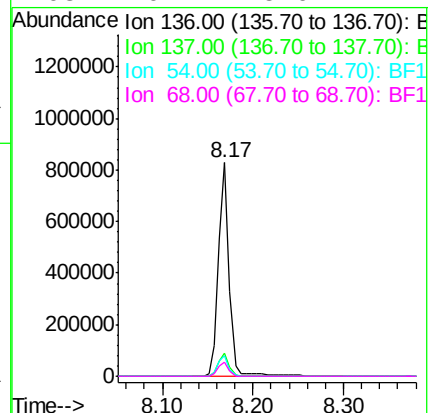
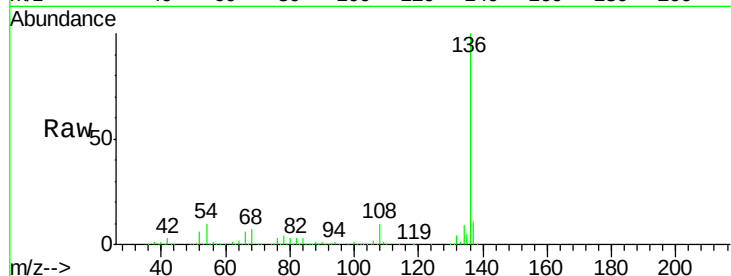




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

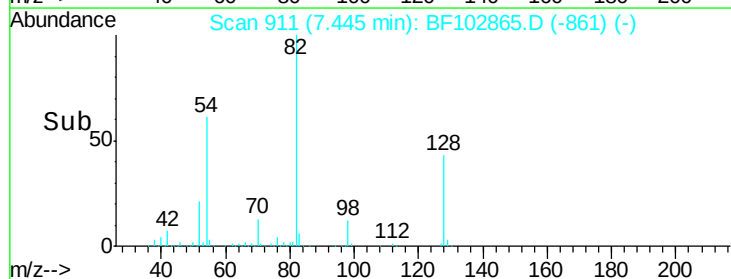
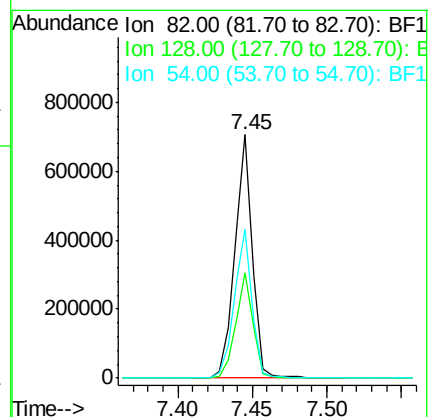
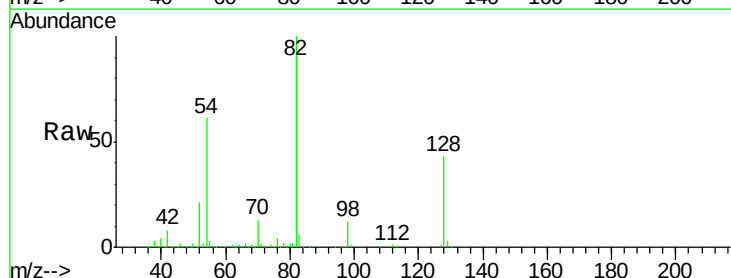
Instrument :  
BNA\_F  
ClientSampleId :

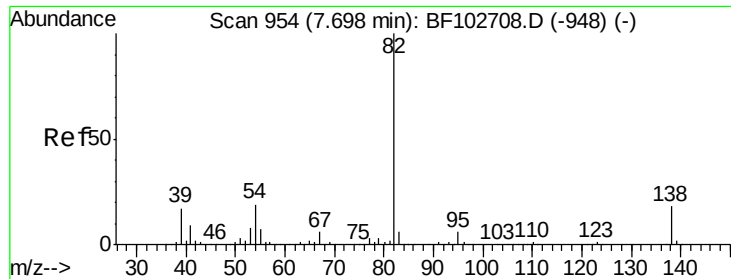
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 689846 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 8.9 13.3     |
| 54 9.6      | 6.6 9.8      |
| 68 6.7      | 5.0 7.4      |



#23  
Nitrobenzene-d5  
Concen: 59.62 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 592891 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 43.3    | 36.1 54.1    |
| 54 61.1     | 41.4 62.2    |





#25

Isophorone

Concen: 25.89 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

Instrument :

BNA\_F

ClientSampleId :

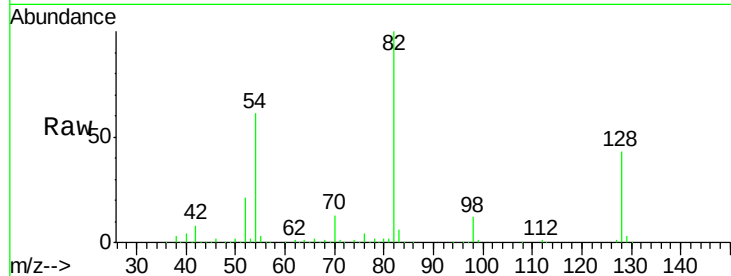
Tot Ion: 82 Resp: 592879

Ion Ratio Lower Upper

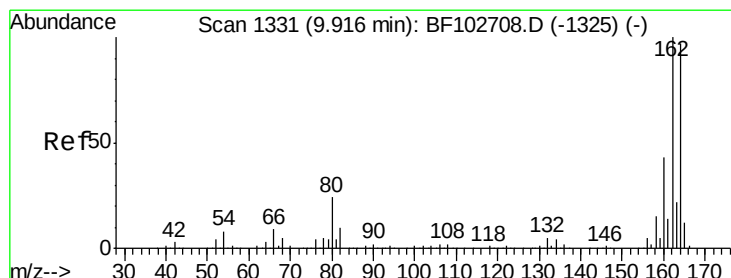
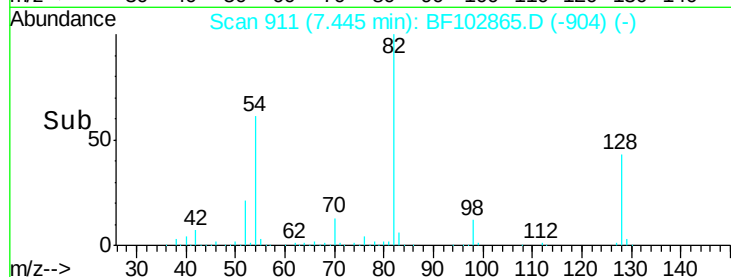
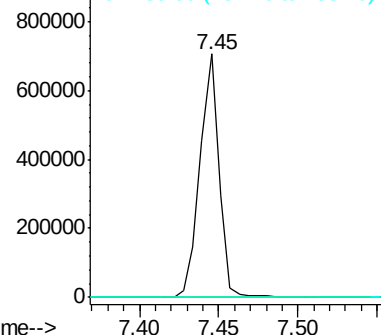
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

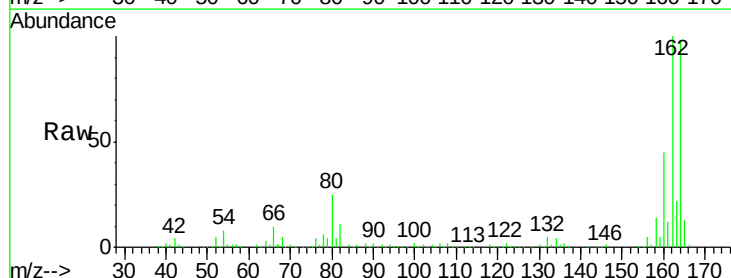
Tgt Ion:164 Resp: 267160

Ion Ratio Lower Upper

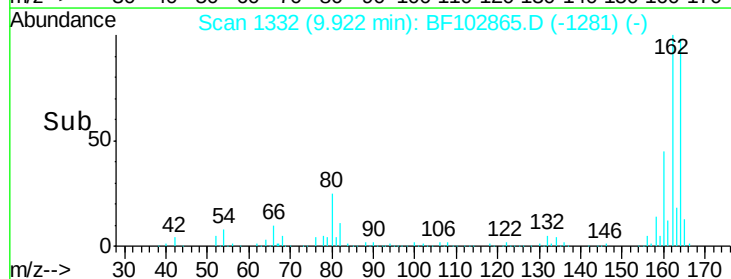
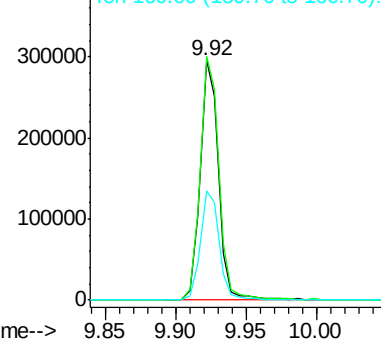
164 100

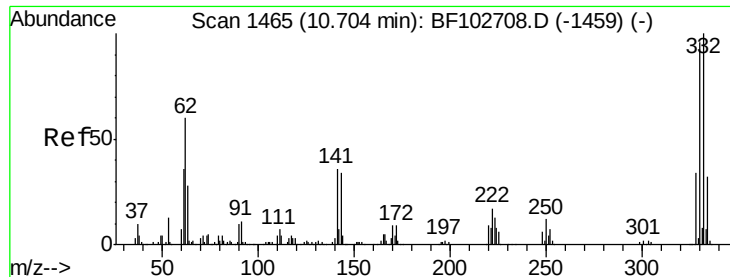
162 101.6 86.1 129.1

160 45.6 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: 56.25 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

Instrument :

BNA\_F

ClientSampleId :

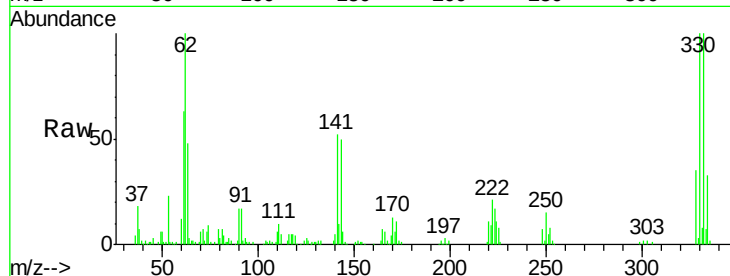
Tot Ion:330 Resp: 120953

Ion Ratio Lower Upper

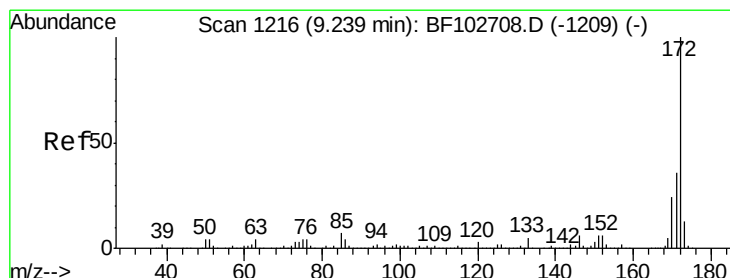
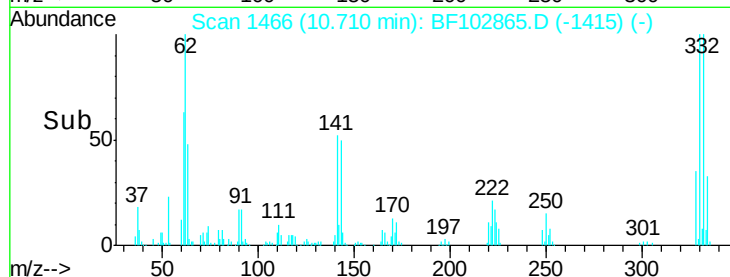
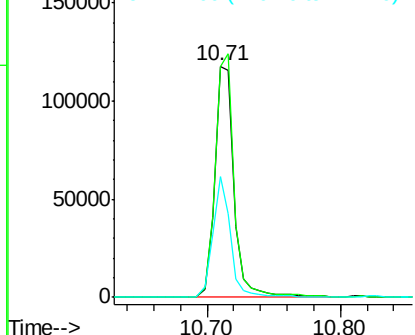
330 100

332 103.9 77.0 115.6

141 47.5 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: 45.51 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

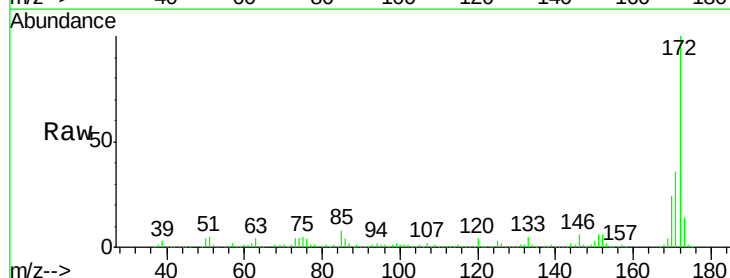
Tgt Ion:172 Resp: 732673

Ion Ratio Lower Upper

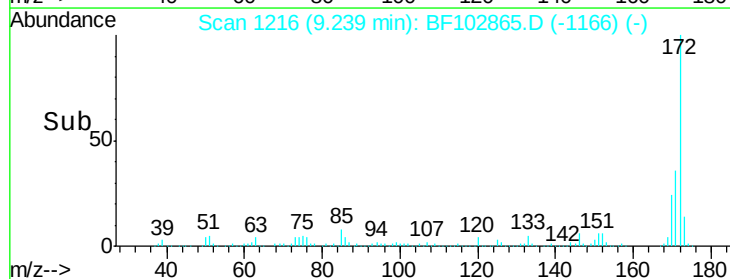
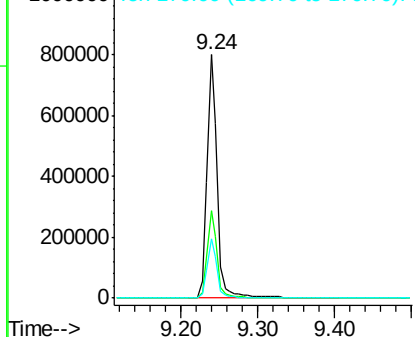
172 100

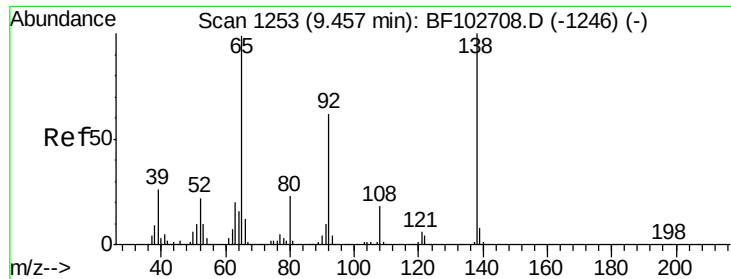
171 35.9 29.7 44.5

170 24.4 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

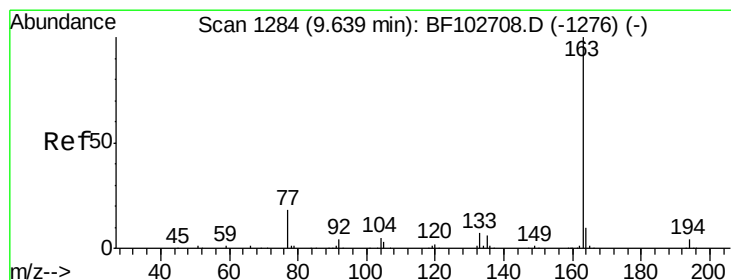
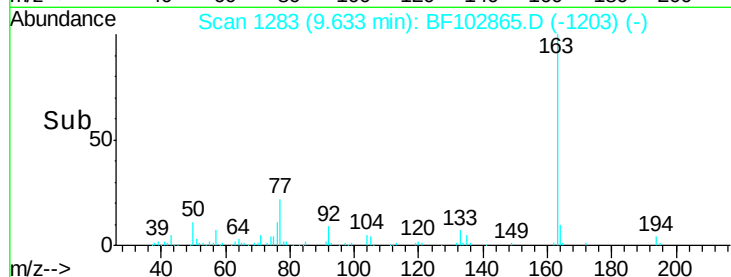
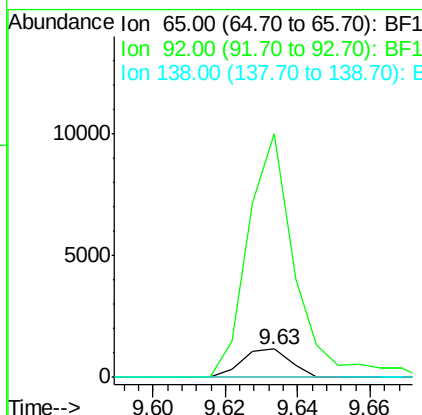
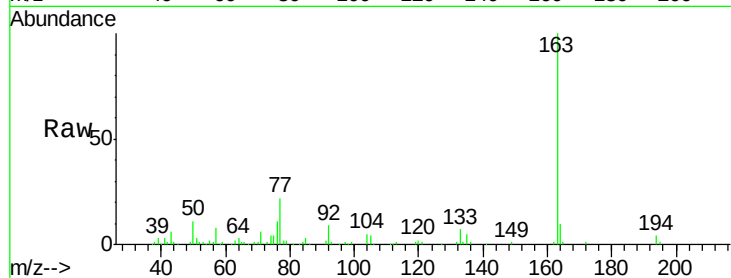




#47  
2-Nitroaniline  
Concen: 3.66 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. 0.17 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

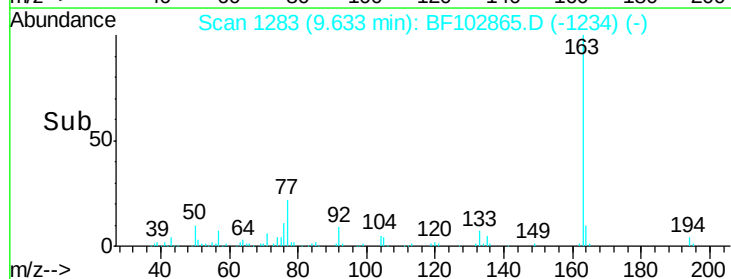
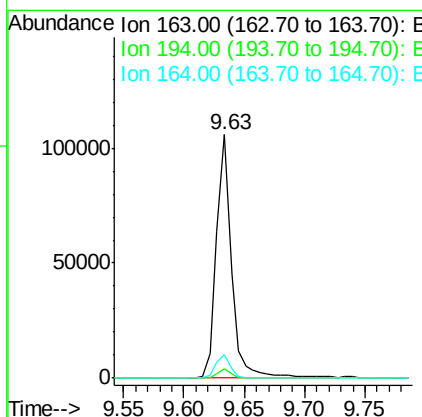
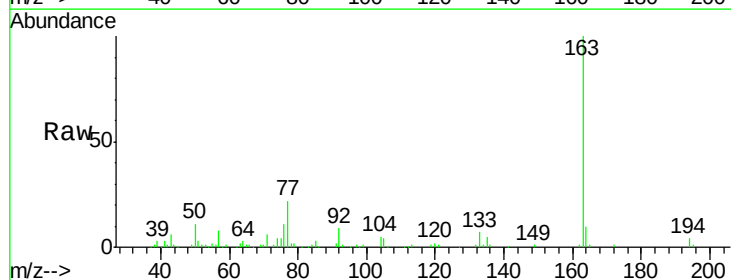
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 1088  
Ion Ratio Lower Upper  
65 100  
92 861.6 55.8 83.6#  
138 0.0 91.2 136.8#

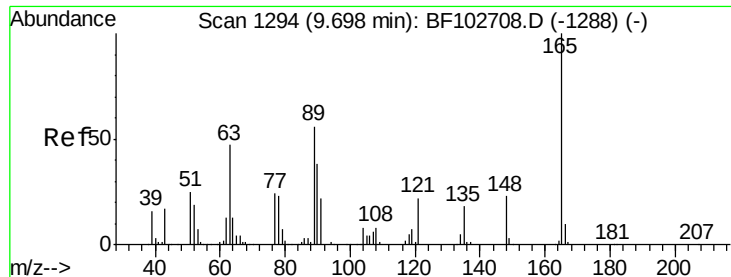


#49  
Dimethylphthalate  
Concen: 4.38 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF102865.D  
Acq: 8 Feb 2018 19:22

Tgt Ion:163 Resp: 91287  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 9.6 8.2 12.2



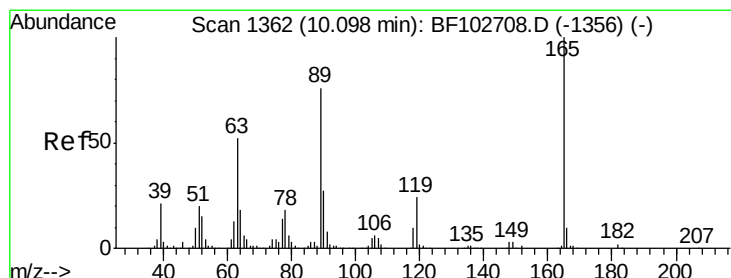
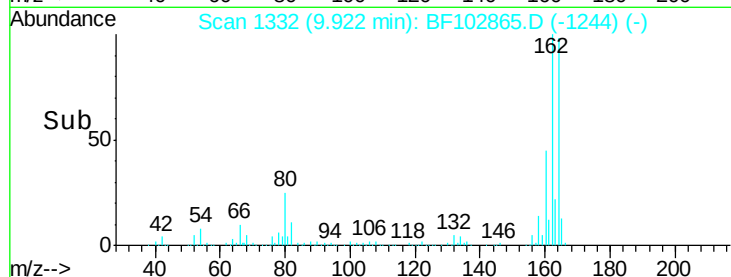
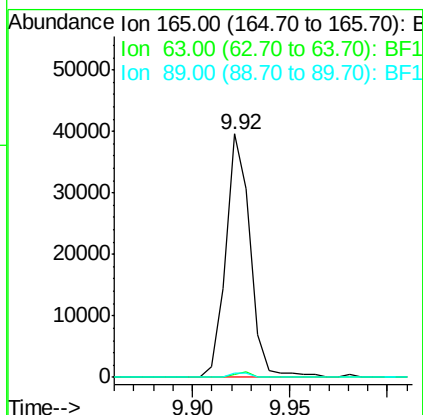
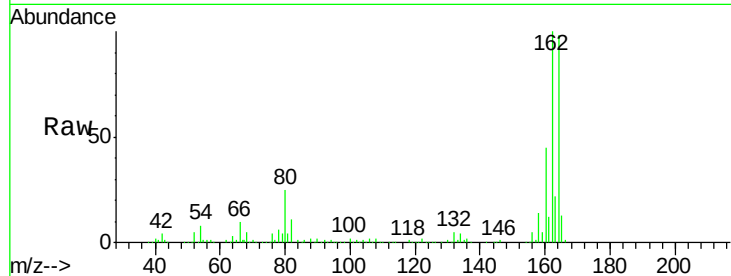




#50  
 2,6-Dinitrotoluene  
 Concen: 8.60 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. 0.22 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

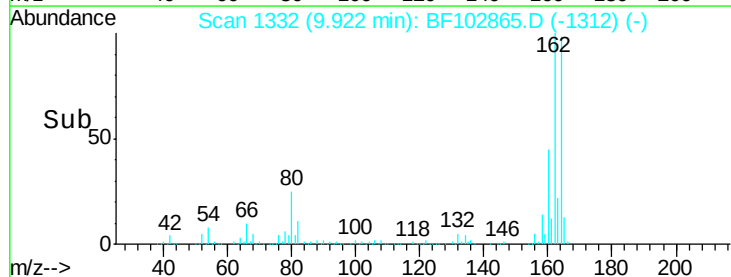
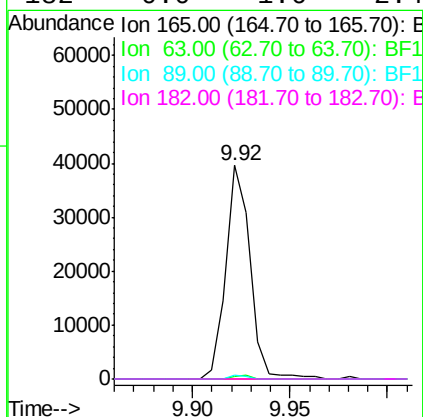
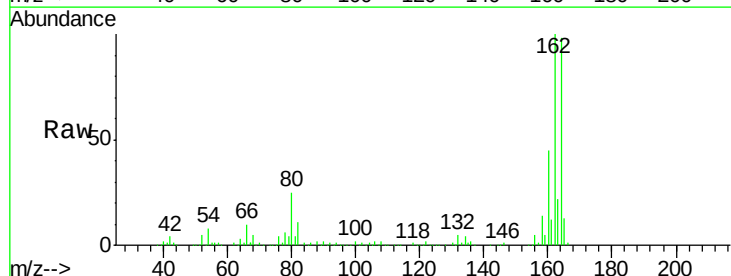
Instrument :  
 BNA\_F  
 ClientSampled :

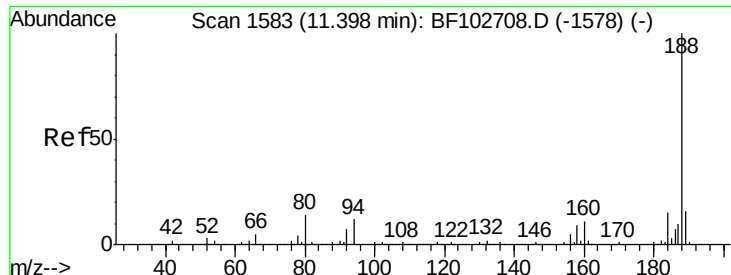
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 44.7  | 67.1# |
| 89      | 1.6   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 9.08 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.18 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.4  | 54.6# |
| 89      | 1.6   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

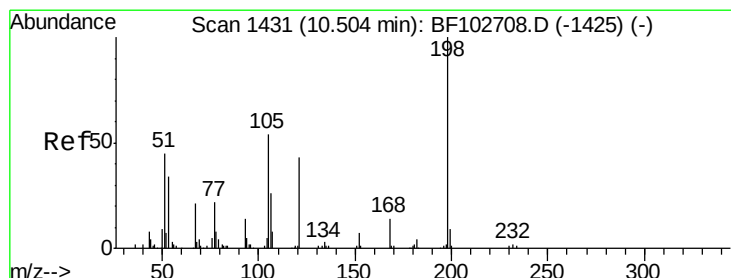
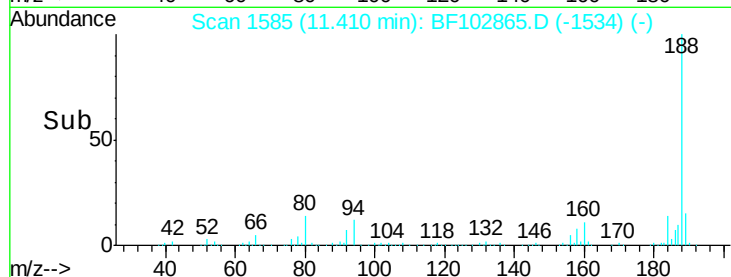
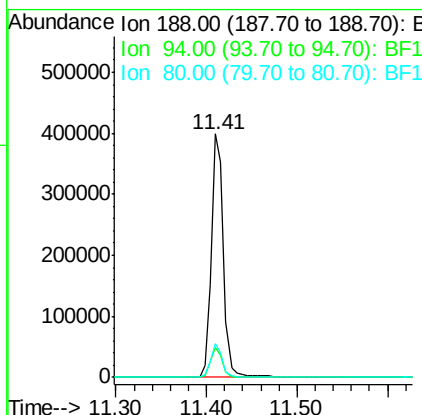
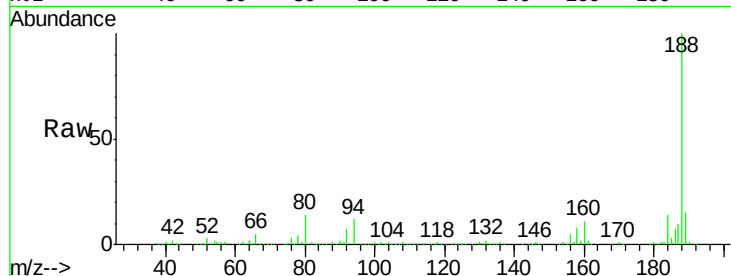




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. 0.00 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

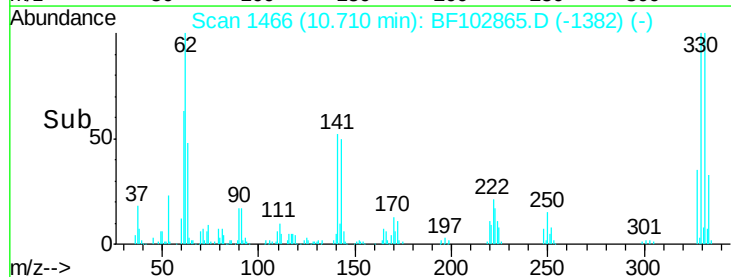
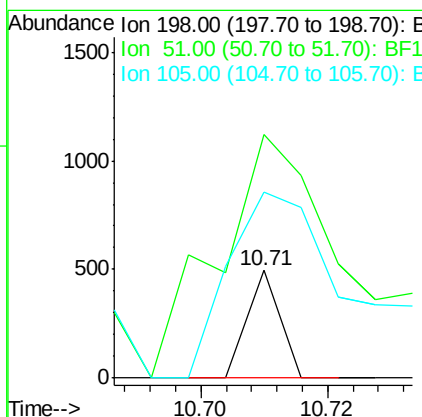
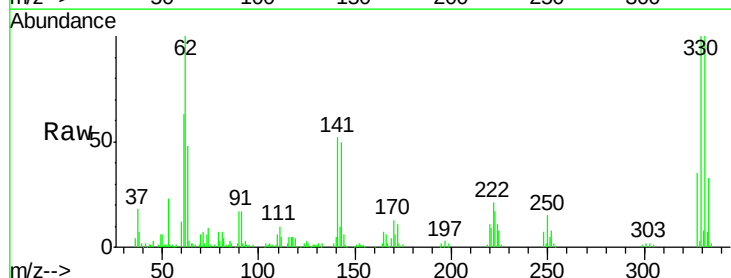
Instrument :  
 BNA\_F  
 ClientSampleId :

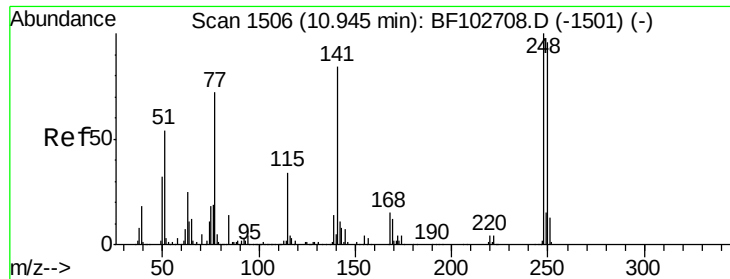
Tot Ion:188 Resp: 374941  
 Ion Ratio Lower Upper  
 188 100  
 94 12.3 8.5 12.7  
 80 13.8 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.90 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.19 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

Tgt Ion:198 Resp: 174  
 Ion Ratio Lower Upper  
 198 100  
 51 226.9 37.7 77.7#  
 105 172.9 36.3 76.3#

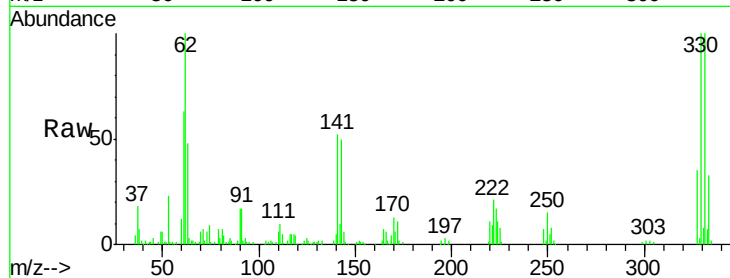




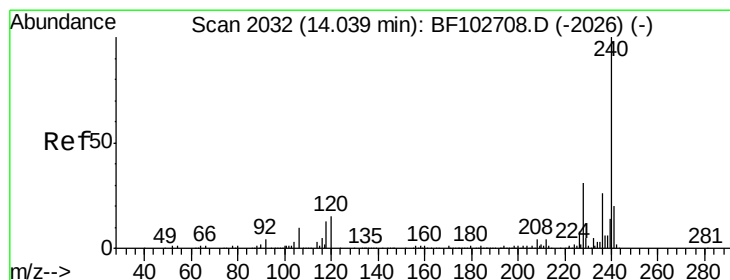
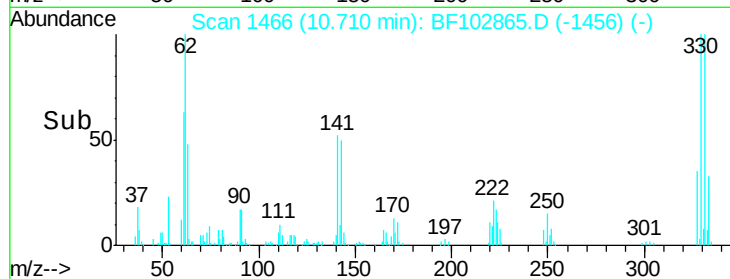
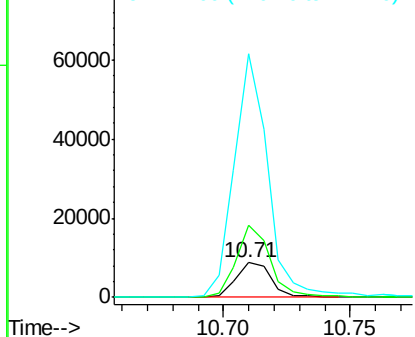
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.12 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.24 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 8404  
 Ion Ratio Lower Upper  
 248 100  
 250 205.8 76.9 115.3#  
 141 700.1 74.4 111.6#

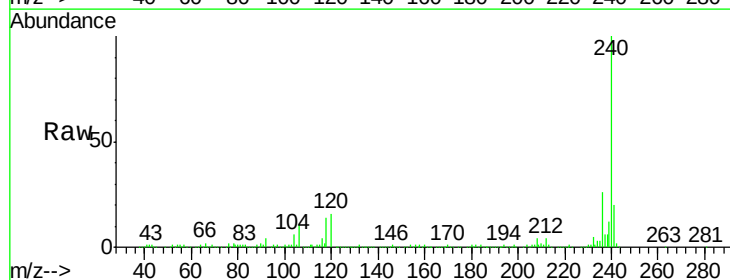


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

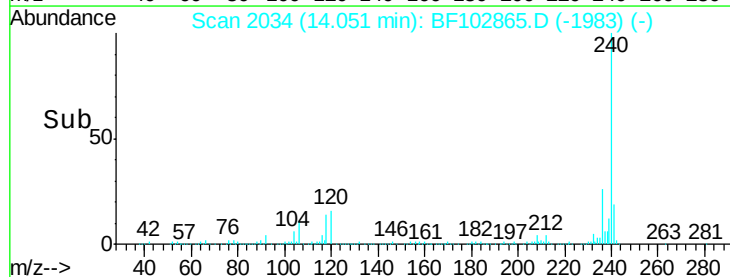
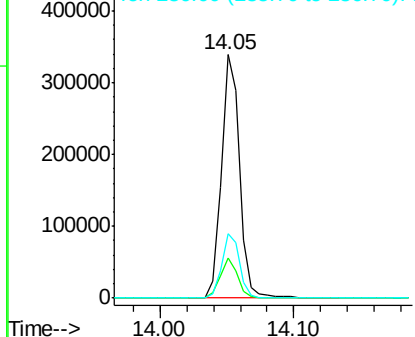


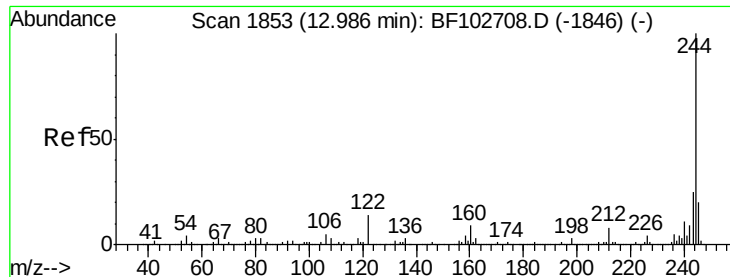
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. 0.00 min  
 Lab File: BF102865.D  
 Acq: 8 Feb 2018 19:22

Tgt Ion:240 Resp: 326209  
 Ion Ratio Lower Upper  
 240 100  
 120 16.2 9.5 14.3#  
 236 26.5 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: 34.32 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

Instrument :

BNA\_F

ClientSampleId :

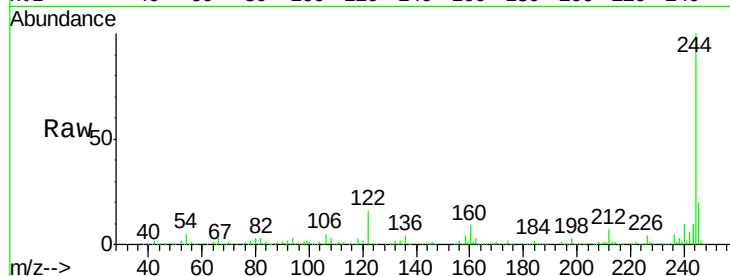
Tot Ion:244 Resp: 472783

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

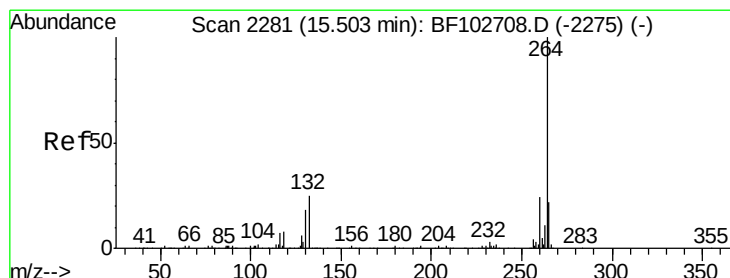
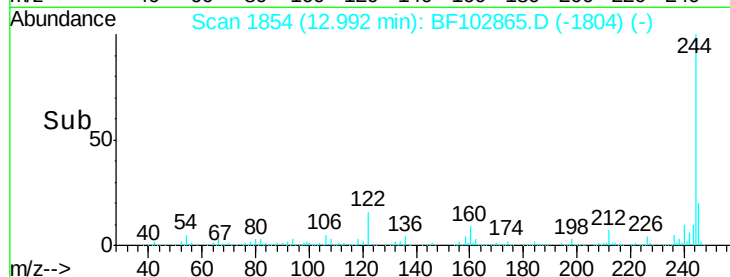
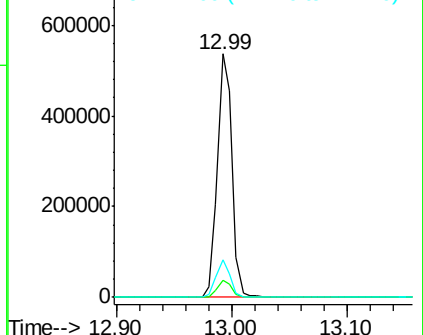
122 15.6 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102865.D

Acq: 8 Feb 2018 19:22

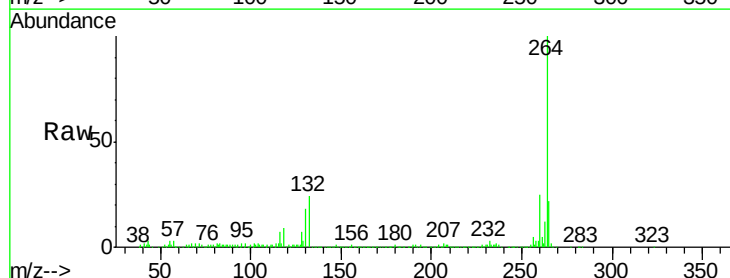
Tgt Ion:264 Resp: 281713

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.6 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

