

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\  
 Data File : BF102465.D  
 Acq On : 26 Jan 2018 13:45  
 Operator : SJ/JU  
 Sample : J1300-06RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 26 16:20:08 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 26 16:18:07 2018  
 Response via : Initial Calibration

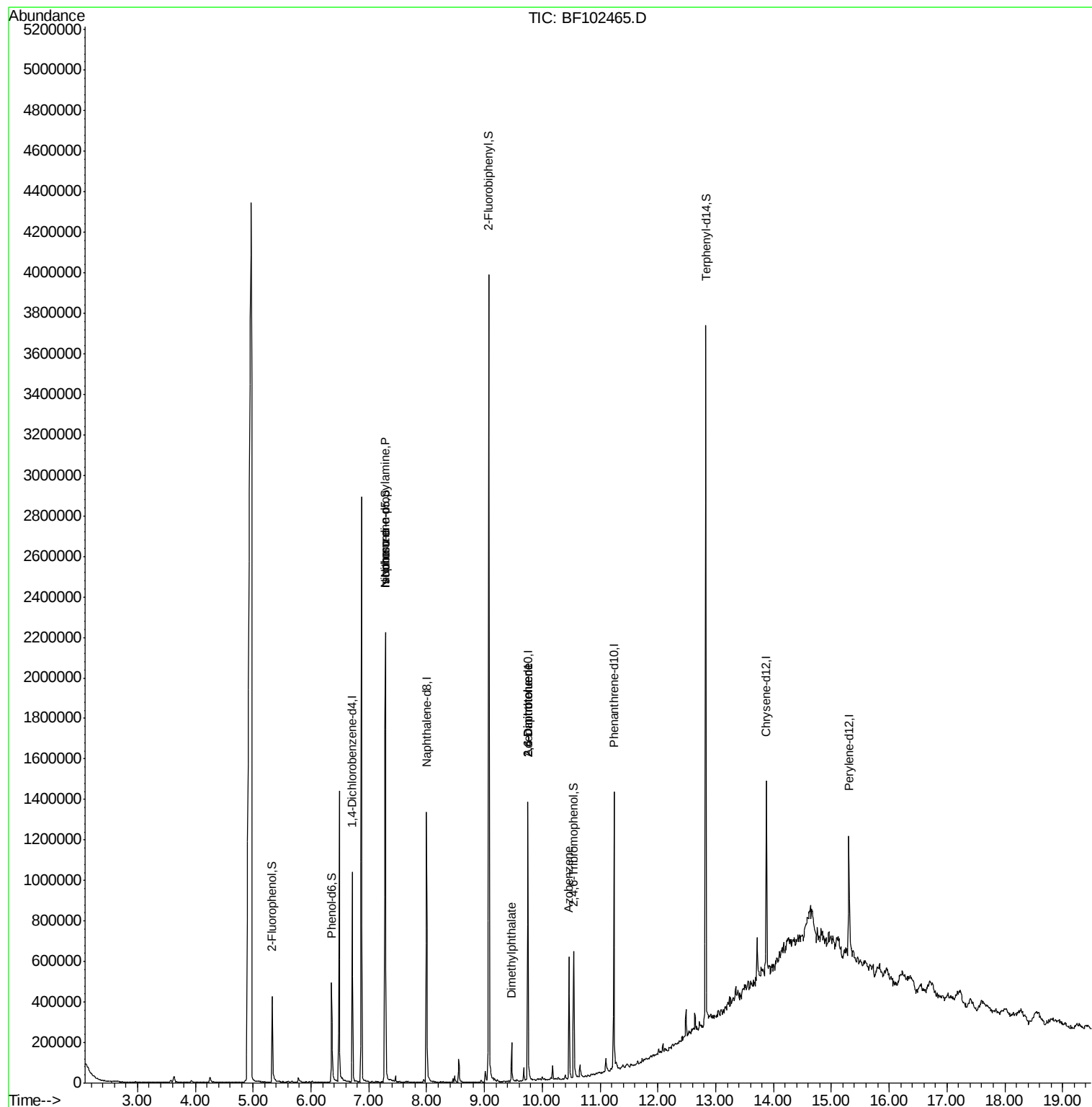
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 144769   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 602723   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 281272   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 490941   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 356505   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.30 | 264  | 292112   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 147989   | 15.50  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 192376   | 16.71  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 735838   | 70.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 80994    | 29.06  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1389447  | 72.63  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.83 | 244  | 1263083  | 79.87  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 96027    | 13.632 | ng    | # 78     |
| 25) Isophorone                 | 7.29  | 82   | 735833   | 39.354 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 81557    | 3.508  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 36132    | 7.208  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 36132    | 5.862  | ng    | # 23     |
| 62) Azobenzene                 | 10.46 | 77   | 109549   | 5.296  | ng    | # 1      |

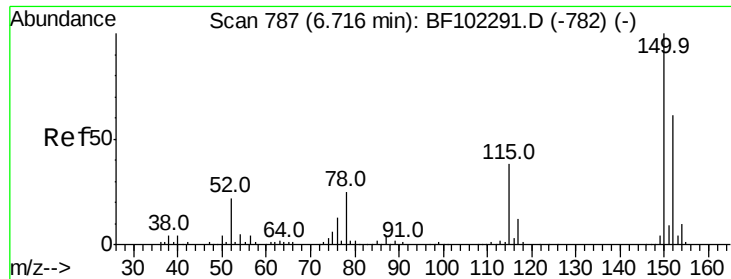
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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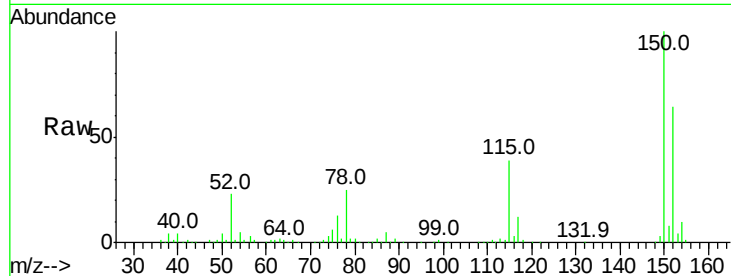


#1

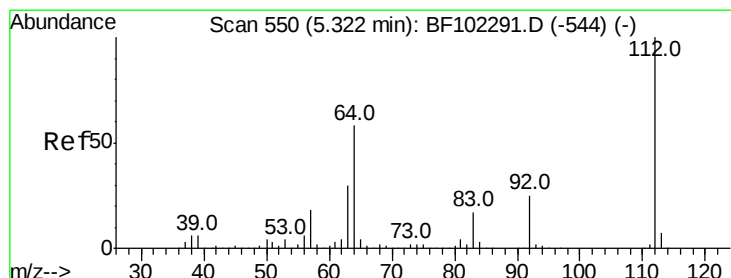
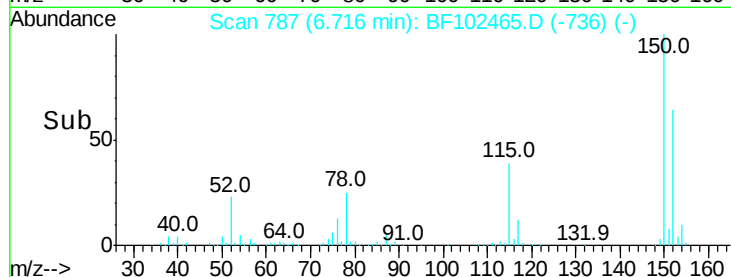
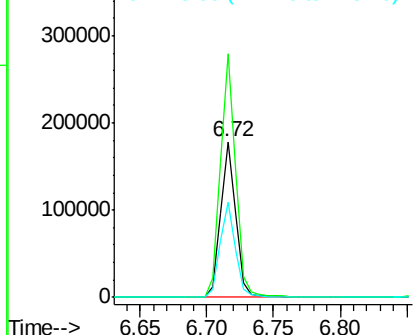
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 144769  
Ion Ratio Lower Upper  
152 100  
150 156.4 124.6 186.8  
115 61.1 50.1 75.1



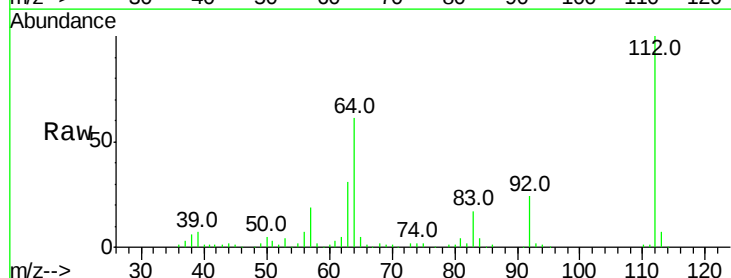
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



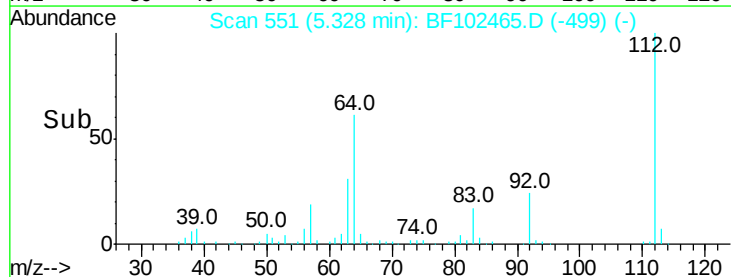
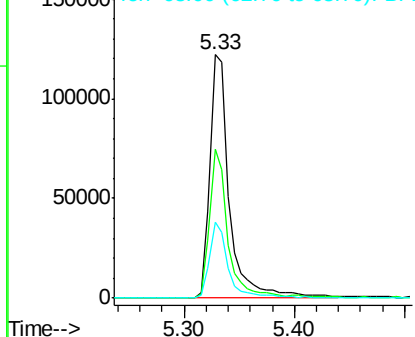
#5

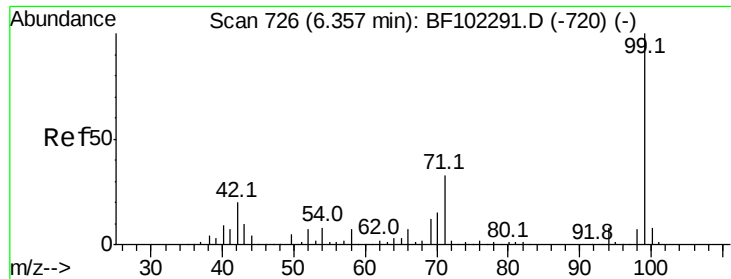
2-Fluorophenol  
Concen: 15.500 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

Tgt Ion:112 Resp: 147989  
Ion Ratio Lower Upper  
112 100  
64 61.2 47.9 71.9  
63 31.3 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: 16.713 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102465.D

Acq: 26 Jan 2018 13:45

Instrument :

BNA\_F

ClientSampleId :

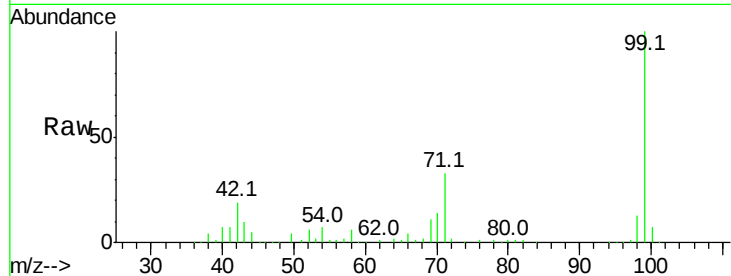
Tot Ion: 99 Resp: 192376

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

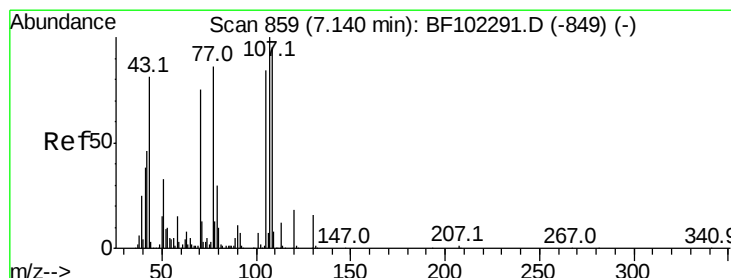
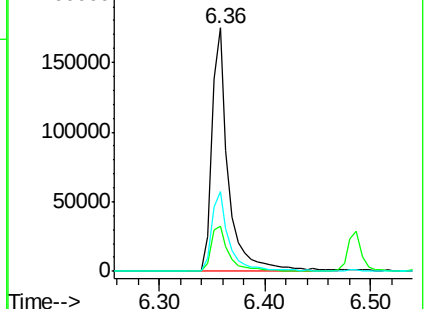
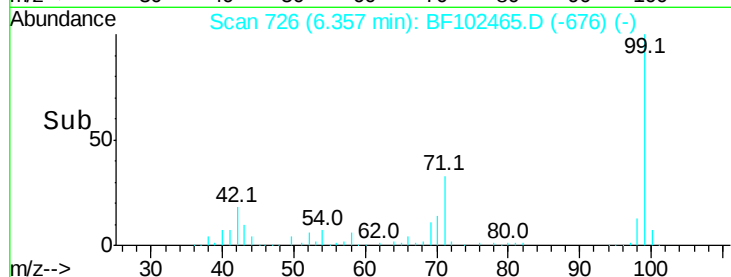
71 32.8 25.4 38.0



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: 13.632 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102465.D

Acq: 26 Jan 2018 13:45

Tgt Ion: 70 Resp: 96027

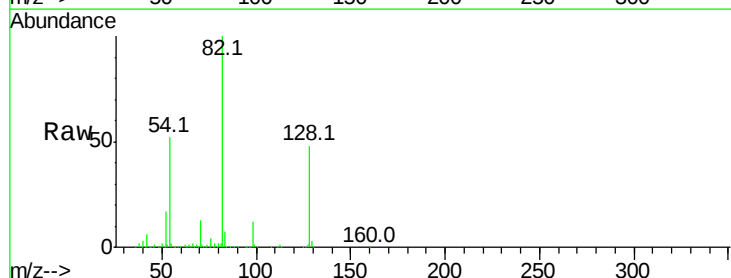
Ion Ratio Lower Upper

70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

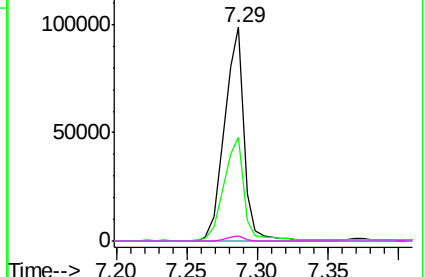
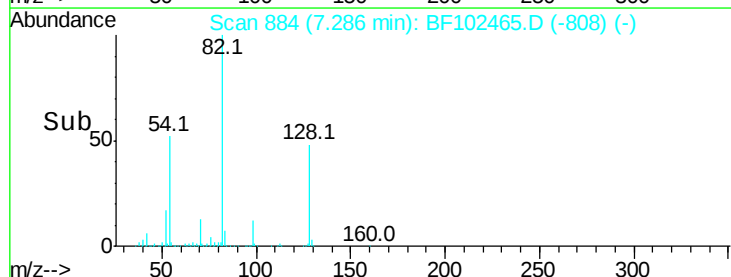


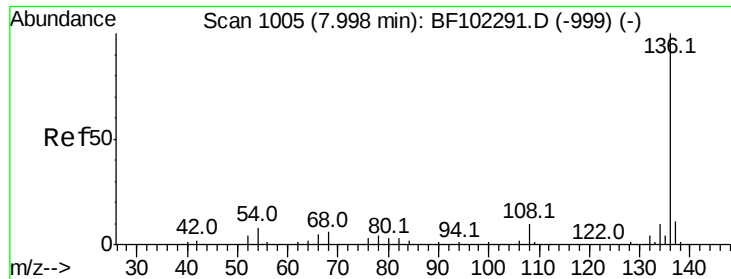
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

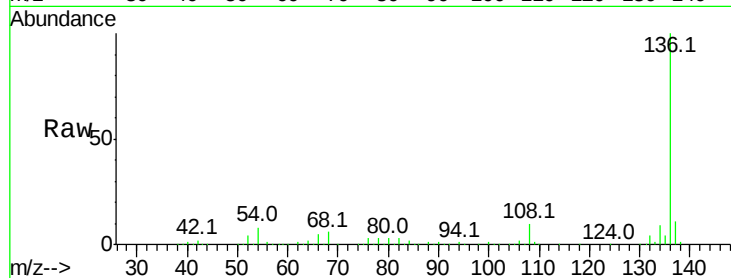




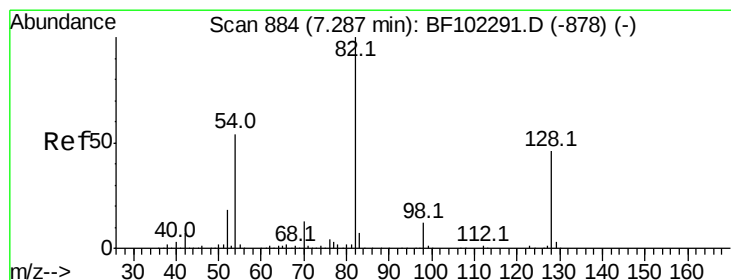
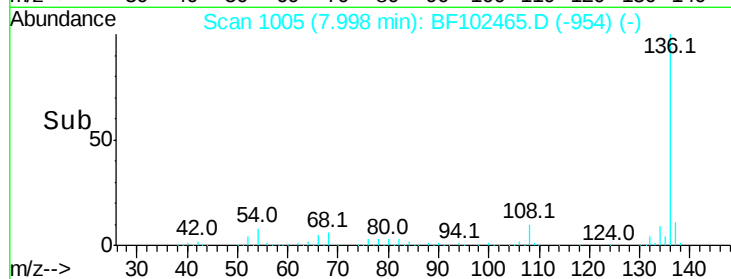
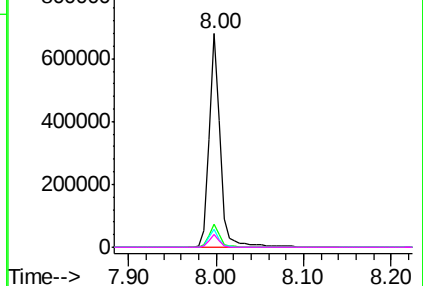
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 602723 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 8.4   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |

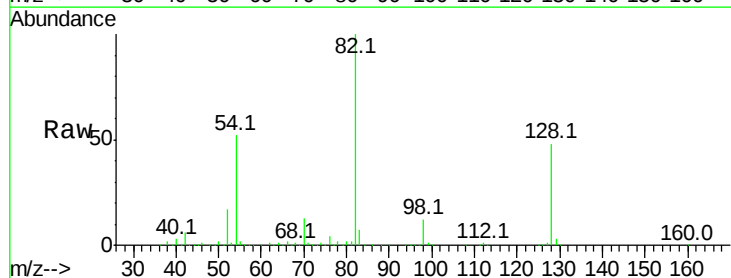


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

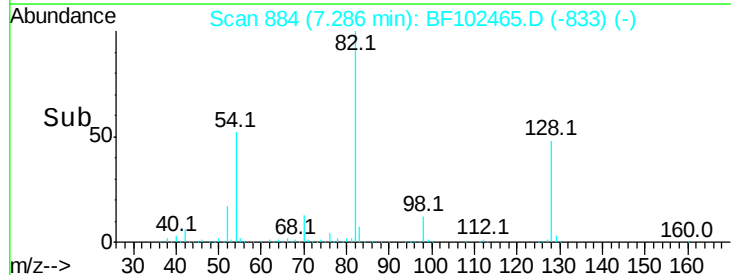
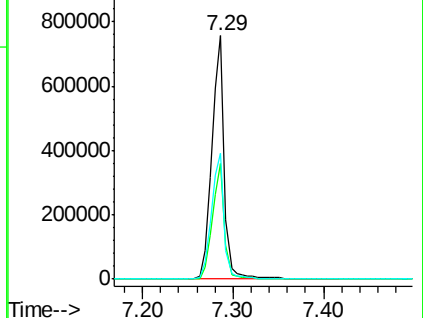


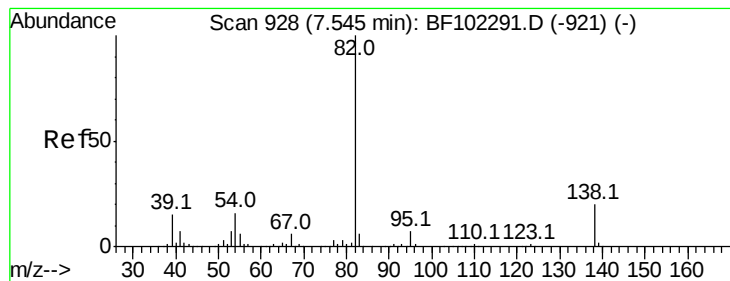
#23  
Nitrobenzene-d5  
Concen: 70.159 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 735838 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.5  | 36.1  | 54.1   |
| 54       | 51.8  | 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: 39.354 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102465.D

Acq: 26 Jan 2018 13:45

Instrument :

BNA\_F

ClientSampled :

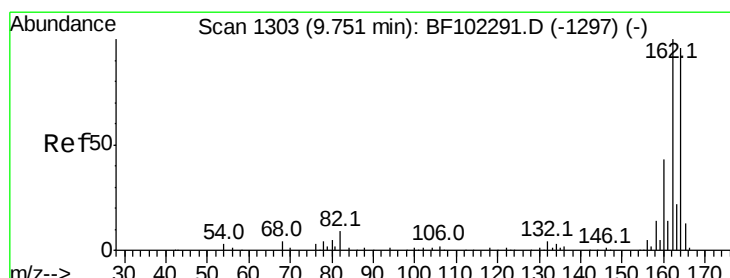
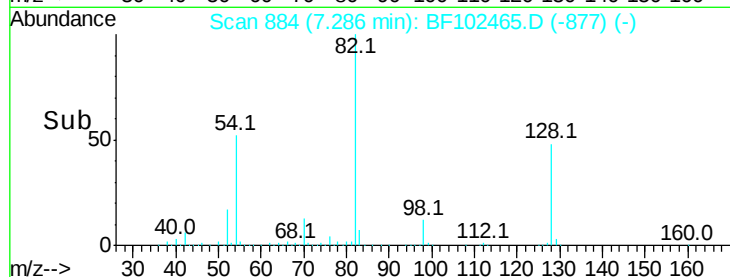
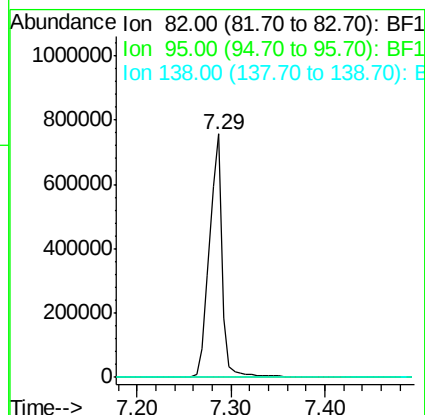
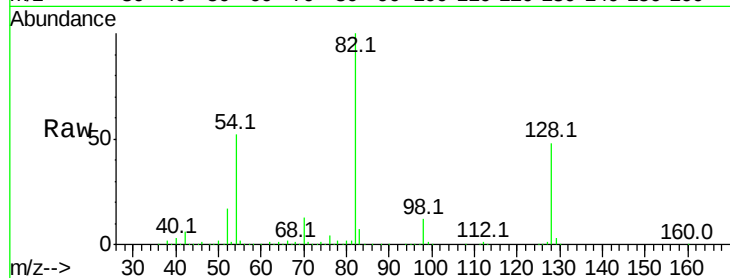
Tot Ion: 82 Resp: 735833

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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102465.D

Acq: 26 Jan 2018 13:45

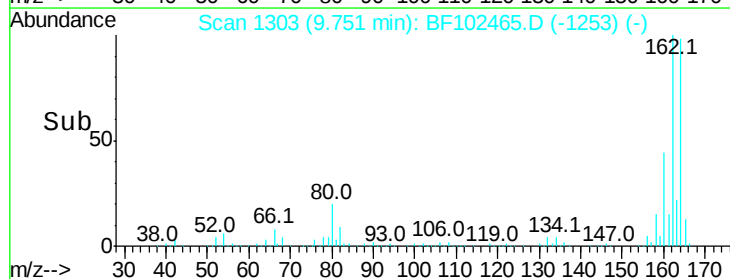
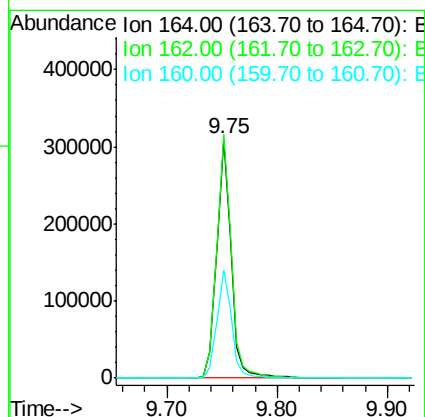
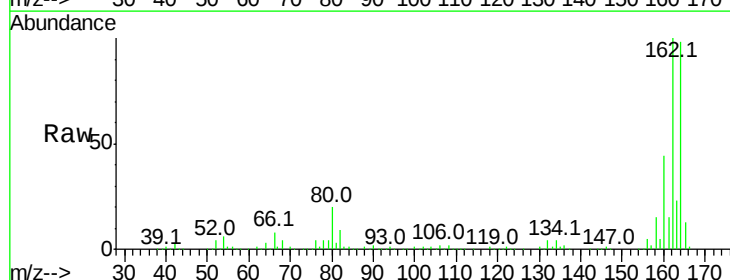
Tgt Ion:164 Resp: 281272

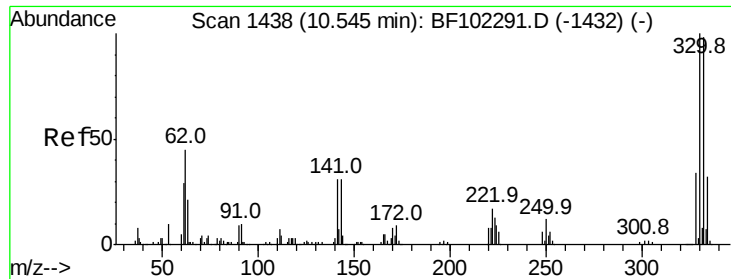
Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

160 45.2 38.3 57.5

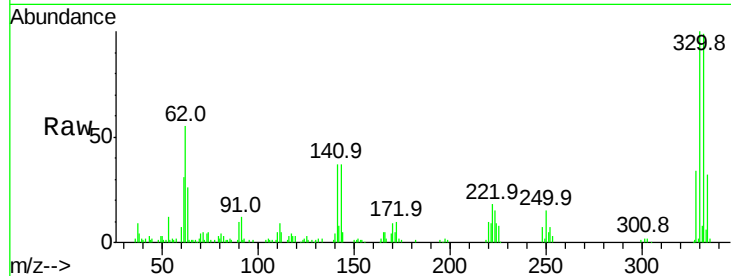




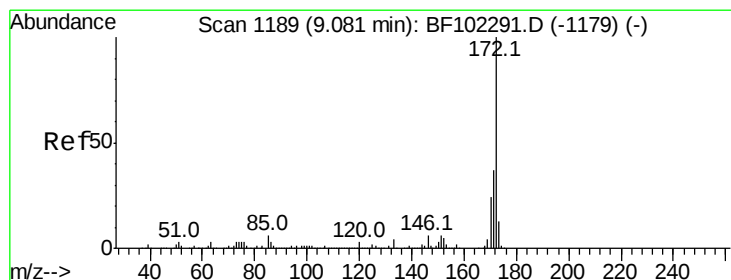
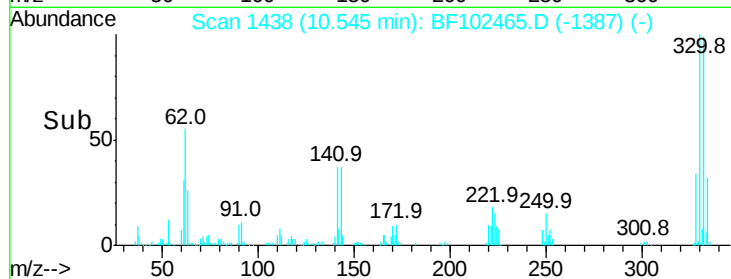
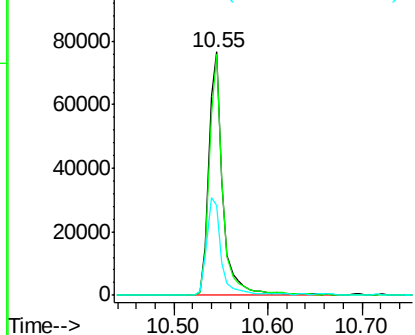
#41  
 2,4,6-Tribromophenol  
 Concen: 29.061 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 80994  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.0 115.6  
 141 41.9 29.9 44.9

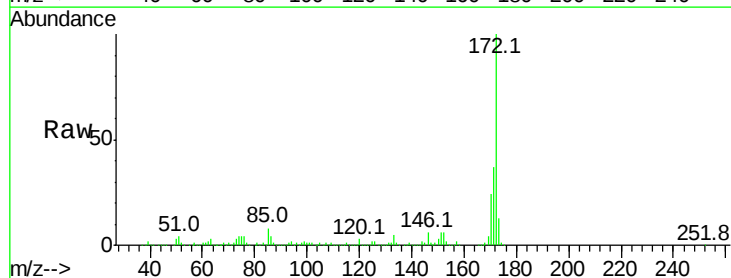


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

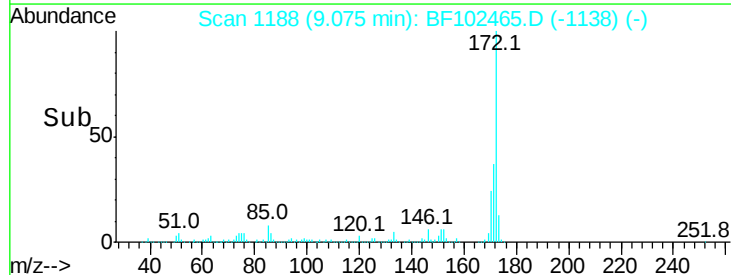
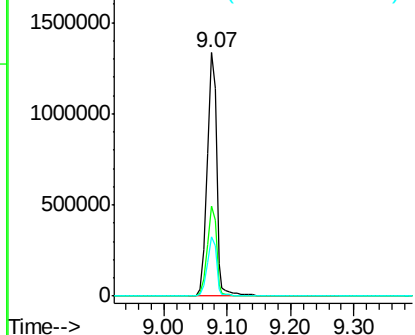


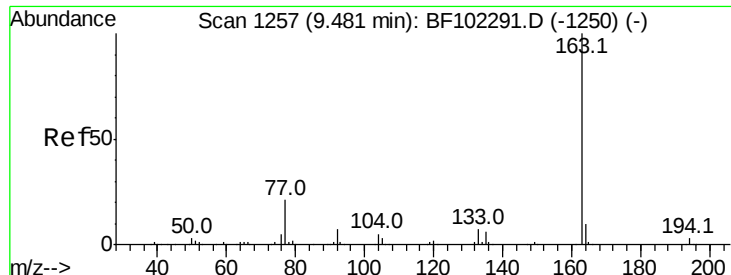
#44  
 2-Fluorobiphenyl  
 Concen: 72.634 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

Tgt Ion:172 Resp: 1389447  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 24.3 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

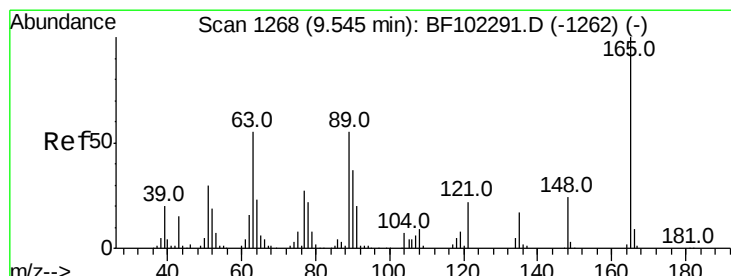
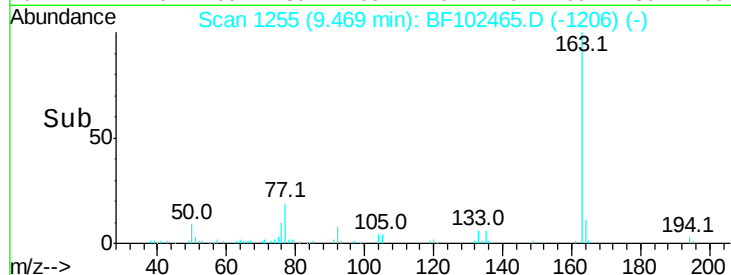
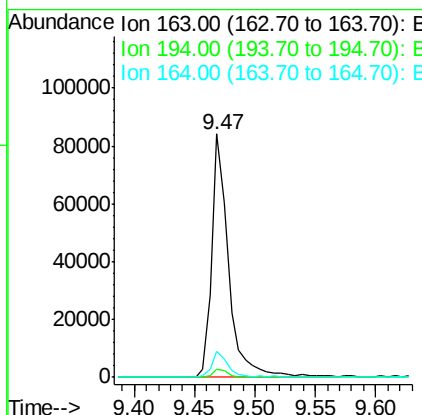
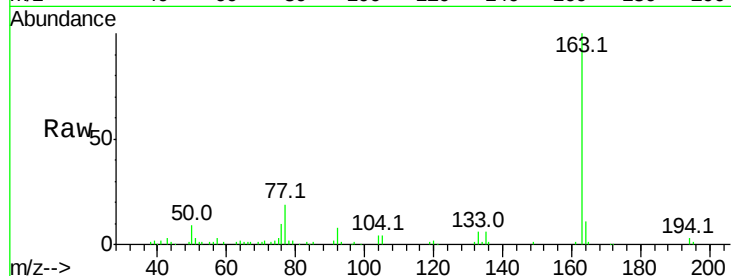




#49  
 Dimethylphthalate  
 Concen: 3.508 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

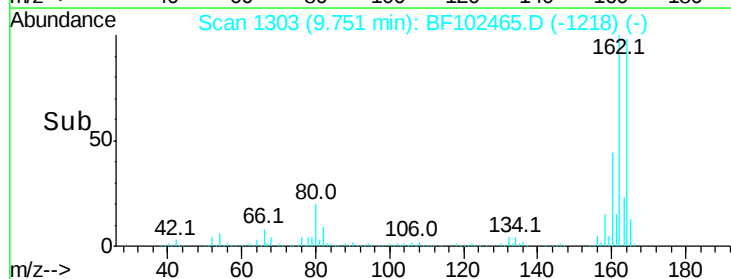
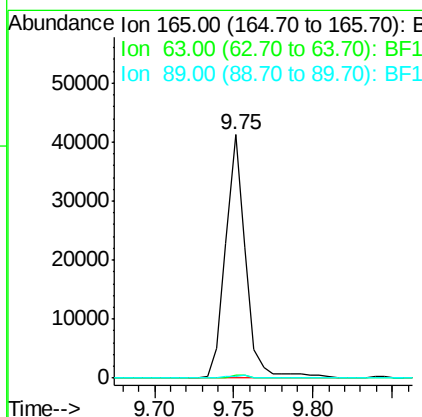
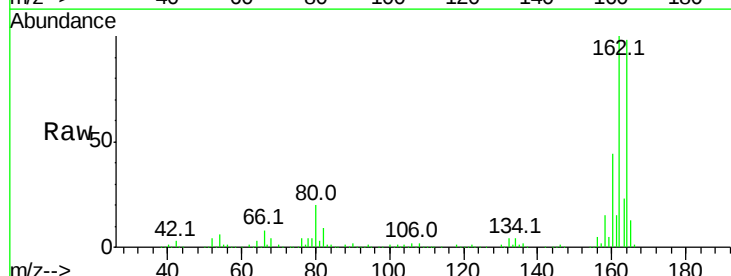
Instrument :  
 BNA\_F  
 ClientSampleId :

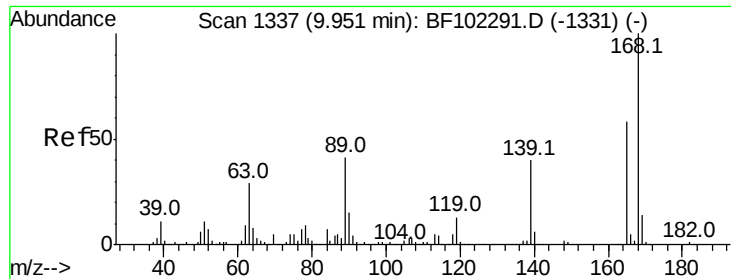
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 163   | Resp: | 81557 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 3.5   | 2.7   | 4.1   |
| 164      | 10.5  | 8.2   | 12.2  |



#50  
 2,6-Dinitrotoluene  
 Concen: 7.208 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. 0.20 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 36132 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.3   | 44.7  | 67.1# |
| 89       | 0.9   | 44.0  | 66.0# |

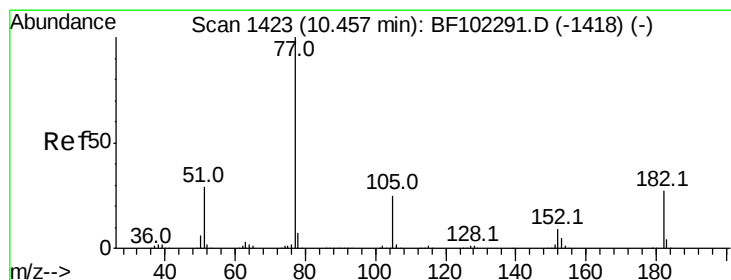
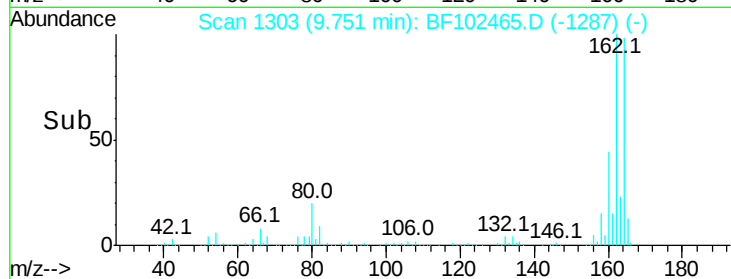
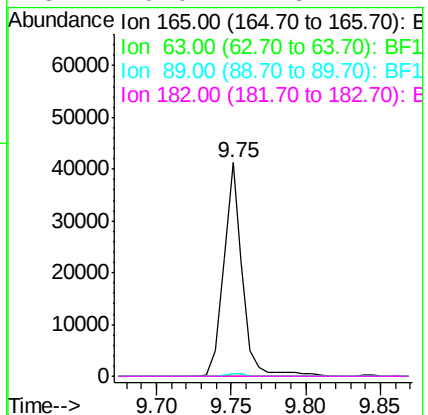
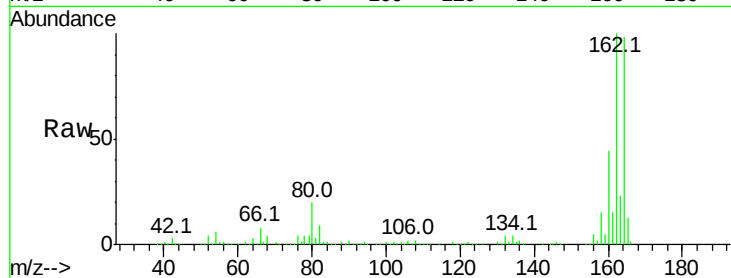




#56  
 2,4-Dinitrotoluene  
 Concen: 5.862 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.21 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

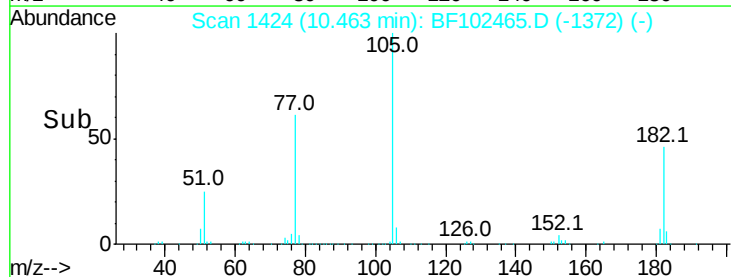
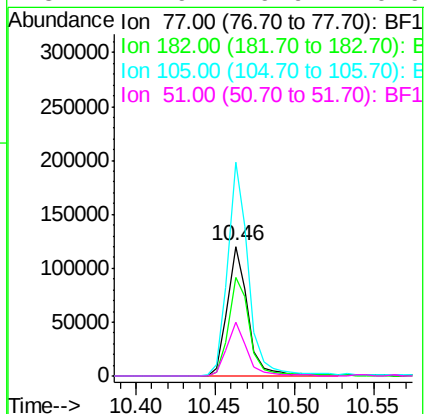
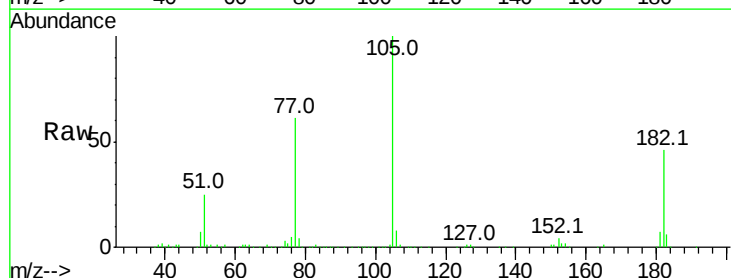
Instrument :  
 BNA\_F  
 ClientSampleId :

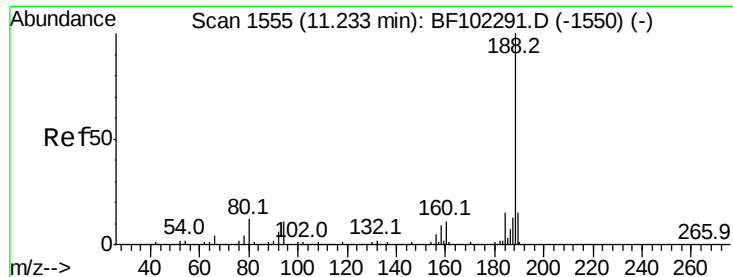
Tot Ion:165 Resp: 36132  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 36.4 54.6#  
 89 0.9 57.8 86.6#  
 182 0.0 1.6 2.4#



#62  
 Azobenzene  
 Concen: 5.296 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. 0.01 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

Tgt Ion: 77 Resp: 109549  
 Ion Ratio Lower Upper  
 77 100  
 182 75.6 1.7 41.7#  
 105 164.5 3.0 43.0#  
 51 41.9 9.9 49.9

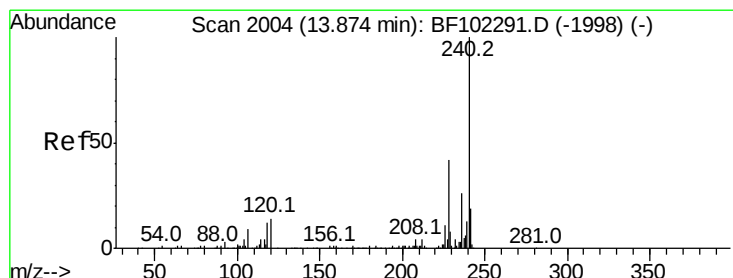
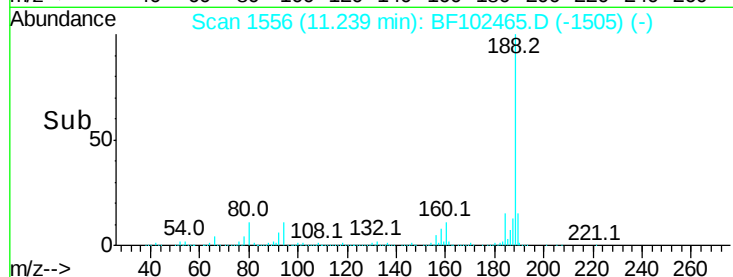
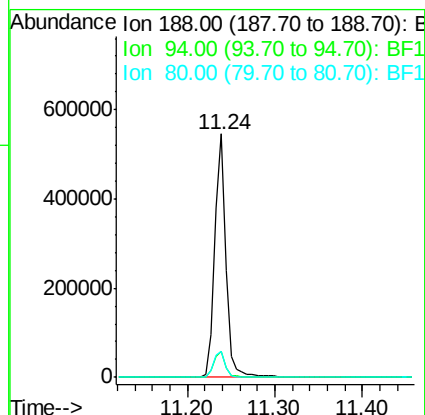
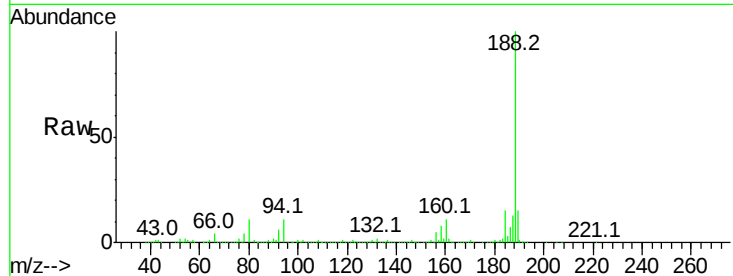




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.00 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

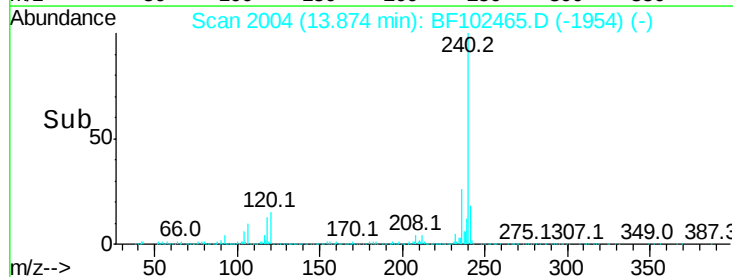
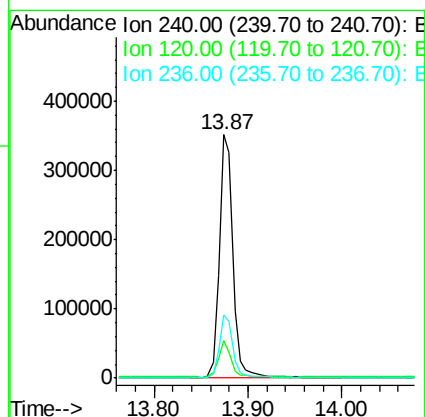
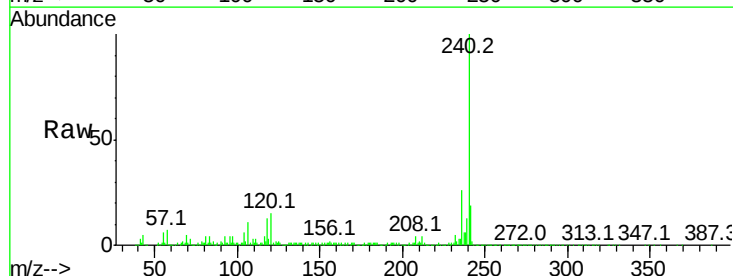
Instrument :  
BNA\_F  
ClientSampleId :

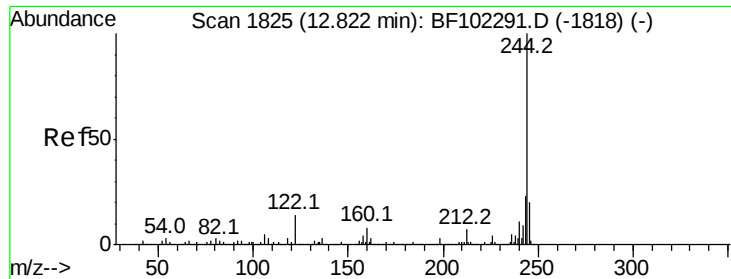
Tot Ion:188 Resp: 490941  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.5 12.7  
80 10.9 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: BF102465.D  
Acq: 26 Jan 2018 13:45

Tgt Ion:240 Resp: 356505  
Ion Ratio Lower Upper  
240 100  
120 15.2 9.5 14.3#  
236 25.8 20.7 31.1



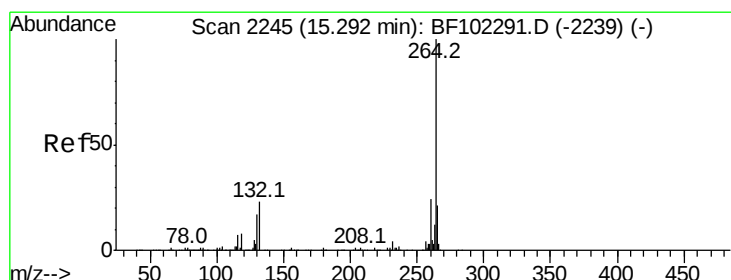
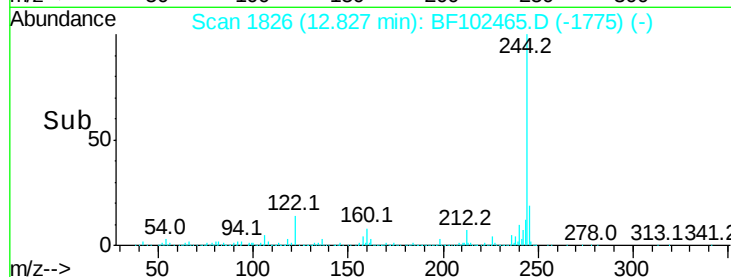
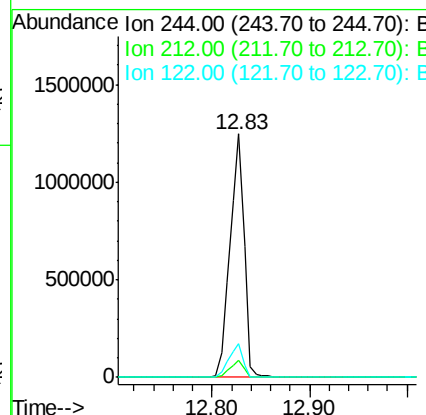
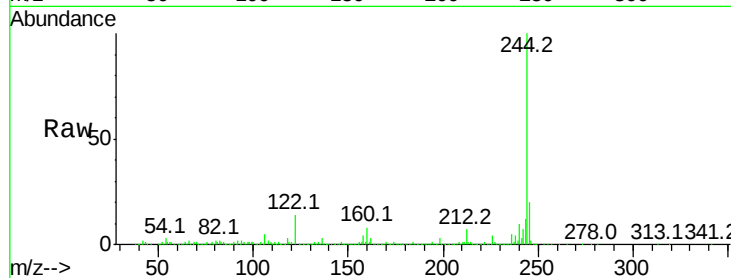


#78  
 Terphenyl-d14  
 Concen: 79.871 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1263083  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.4   | 8.0   |
| 122 | 13.7  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.30 min Scan# 2247  
 Delta R.T. -0.00 min  
 Lab File: BF102465.D  
 Acq: 26 Jan 2018 13:45

Tgt Ion:264 Resp: 292112  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.2  | 28.8  |
| 265 | 20.8  | 17.5  | 26.3  |

