

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\  
 Data File : BF100967.D  
 Acq On : 29 Nov 2017 7:05  
 Operator : SJ/JU  
 Sample : I6604-01  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 29 09:45:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

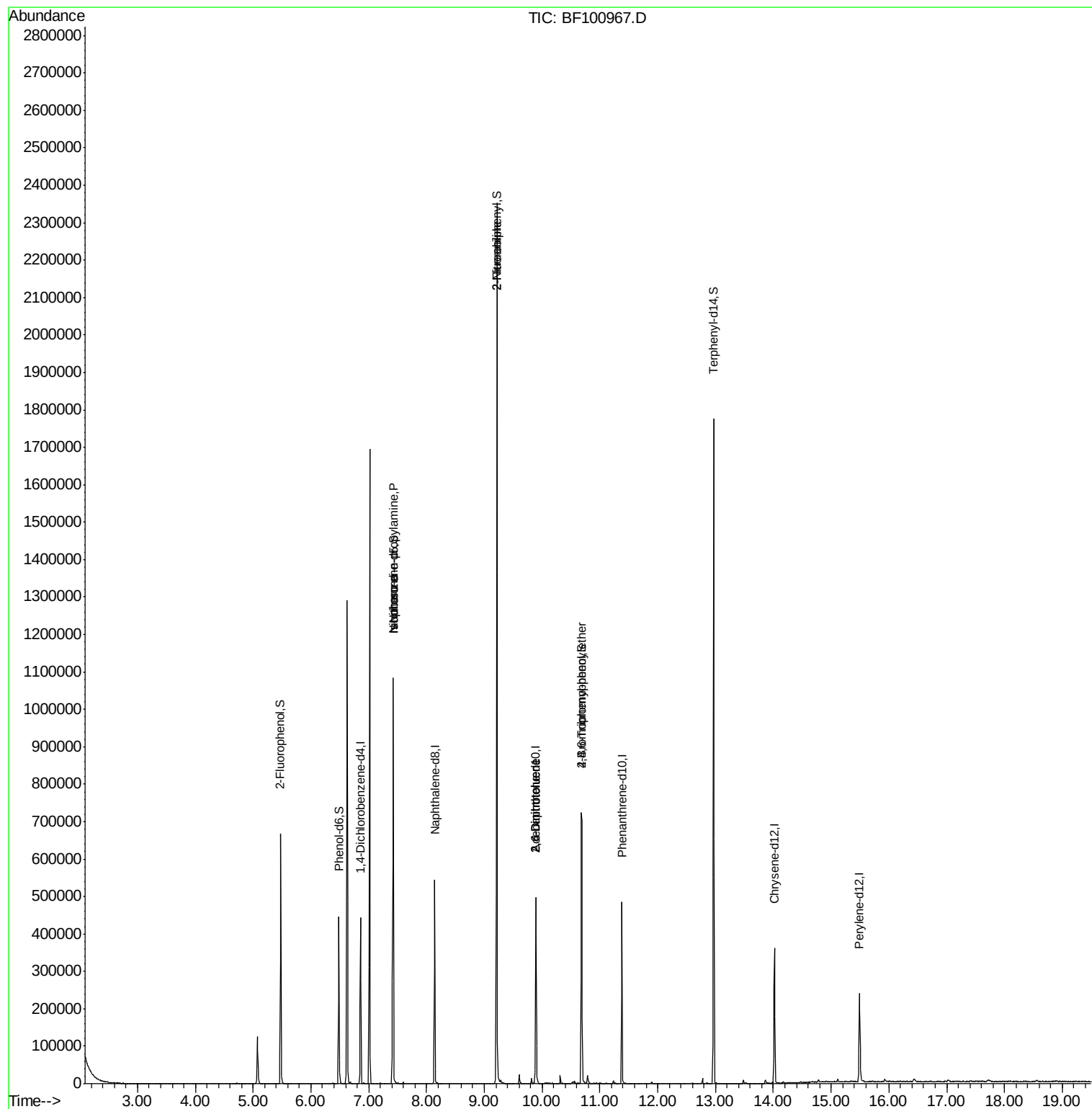
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 61710    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.14  | 136  | 228622   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 101284   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.38 | 188  | 171883   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 127613   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 117470   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 176146   | 45.76  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 130494   | 27.49  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 383221   | 110.82 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 98520    | 95.46  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 774737   | 116.47 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.97 | 244  | 538834   | 97.02  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 50445    | 15.323 | ng    | # 79     |
| 25) Isophorone                 | 7.43  | 82   | 383273   | 52.743 | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.22  | 65   | 1011     | 3.291  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 12716    | 8.307  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 12716    | 6.585  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 6376     | 3.460  | ng    | # 1      |

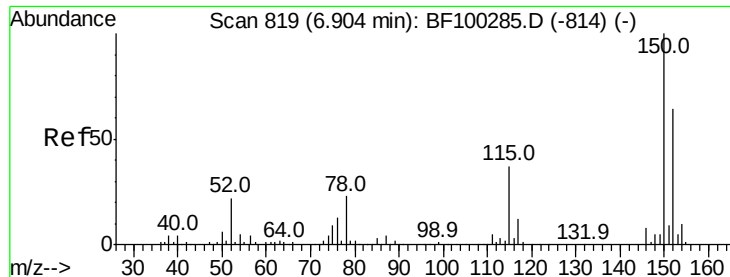
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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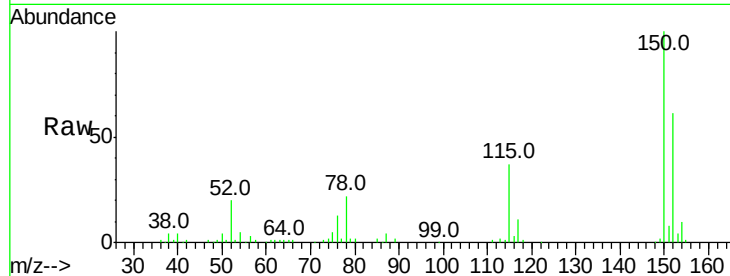


#1

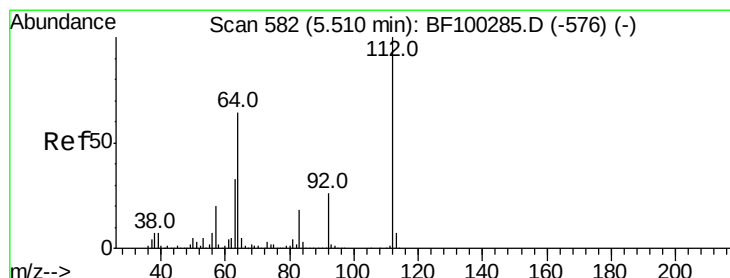
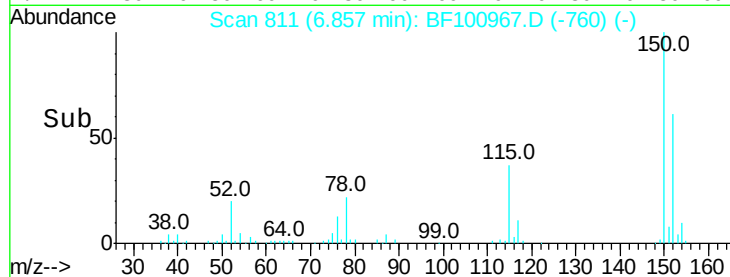
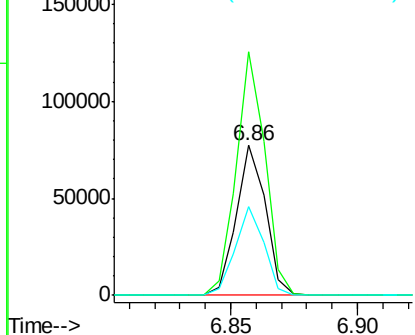
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 61710  
Ion Ratio Lower Upper  
152 100  
150 162.7 124.6 186.8  
115 59.6 50.1 75.1



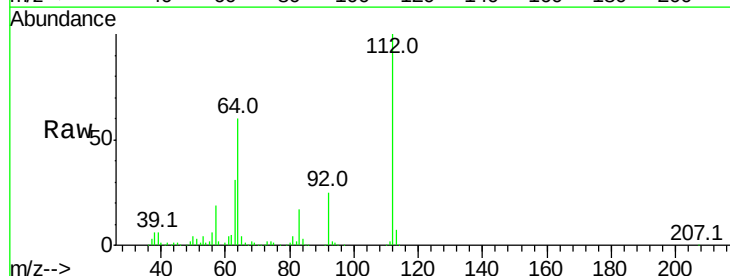
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



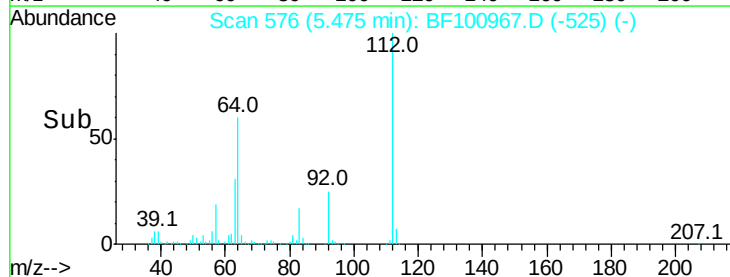
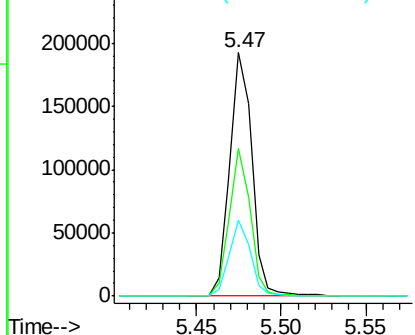
#5

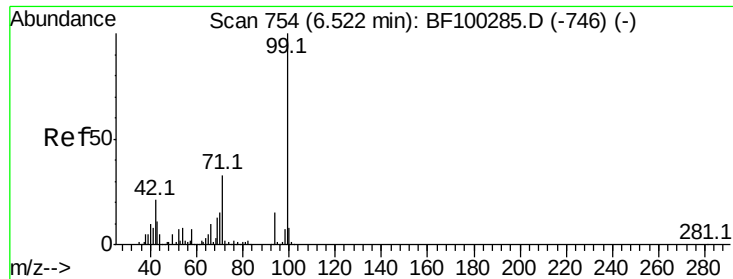
2-Fluorophenol  
Concen: 45.756 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.00 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

Tgt Ion:112 Resp: 176146  
Ion Ratio Lower Upper  
112 100  
64 60.4 47.9 71.9  
63 31.2 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: 27.489 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100967.D

Acq: 29 Nov 2017 7:05

Instrument :

BNA\_F

ClientSampleId :

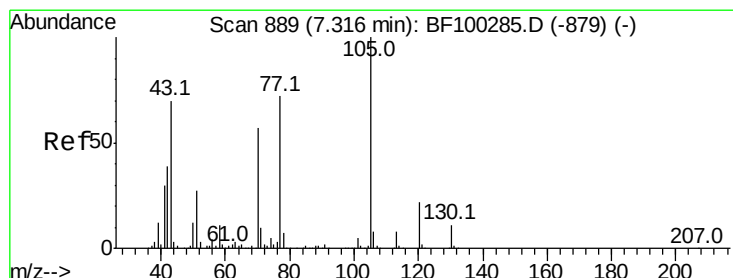
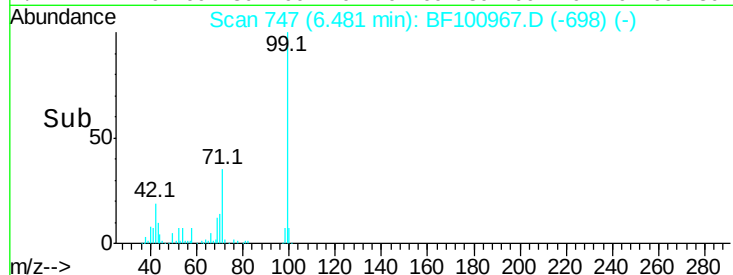
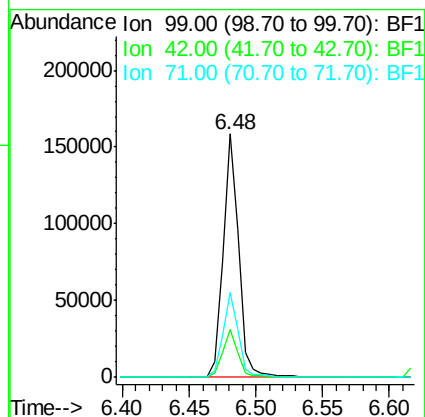
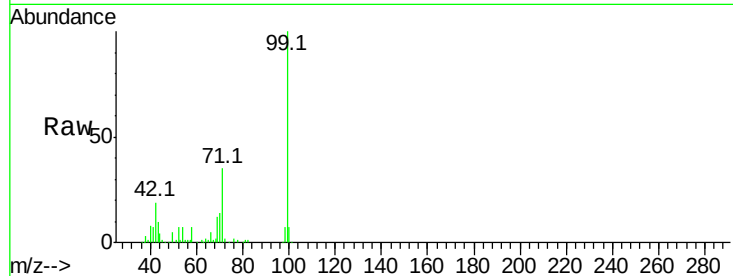
Tot Ion: 99 Resp: 130494

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 34.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.323 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF100967.D

Acq: 29 Nov 2017 7:05

Tgt Ion: 70 Resp: 50445

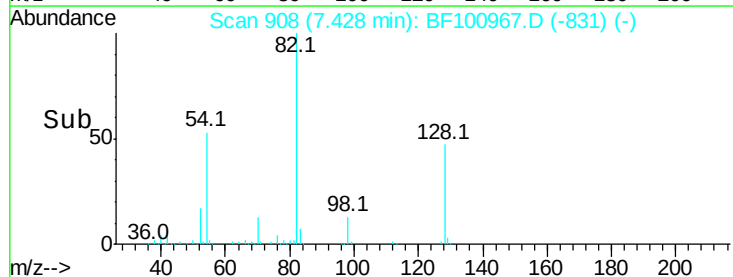
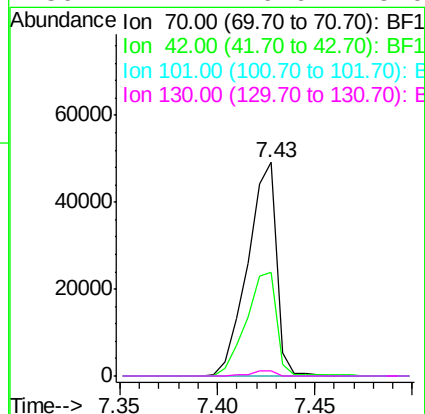
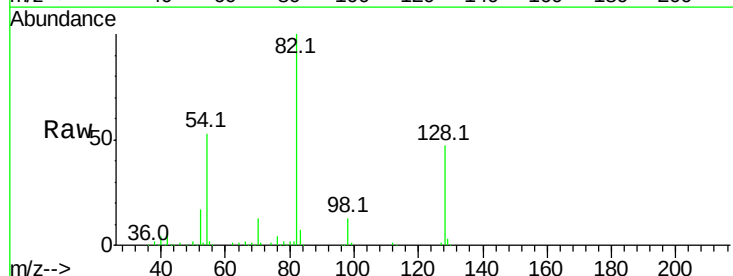
Ion Ratio Lower Upper

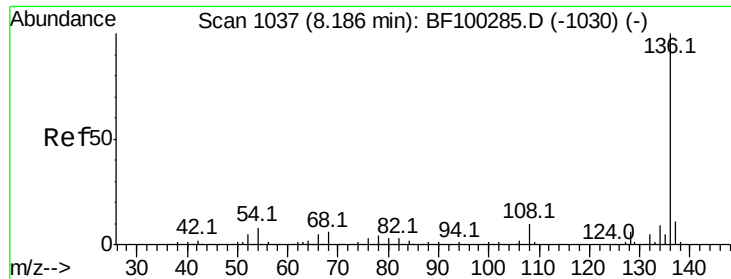
70 100

42 48.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

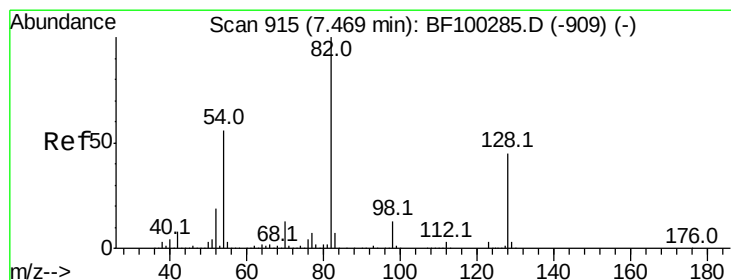
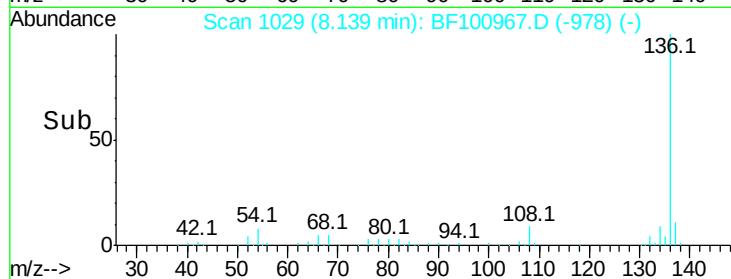
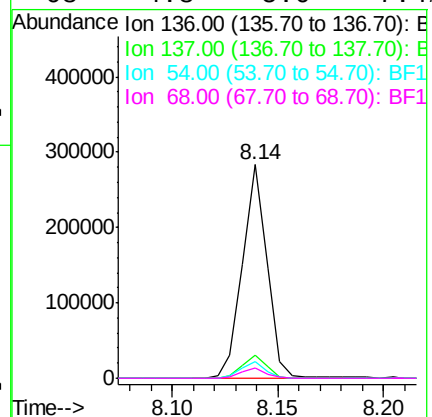
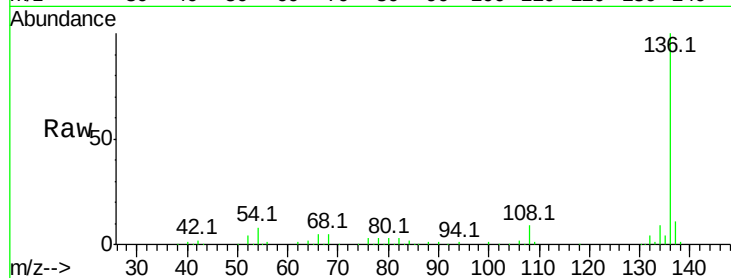




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

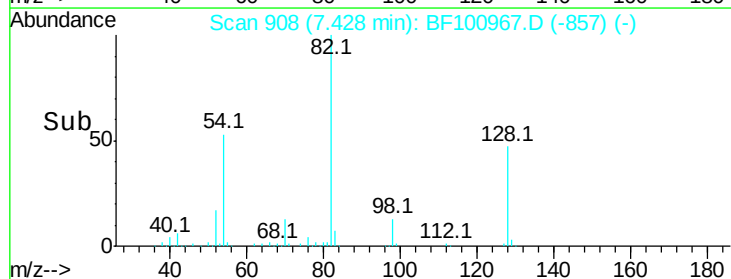
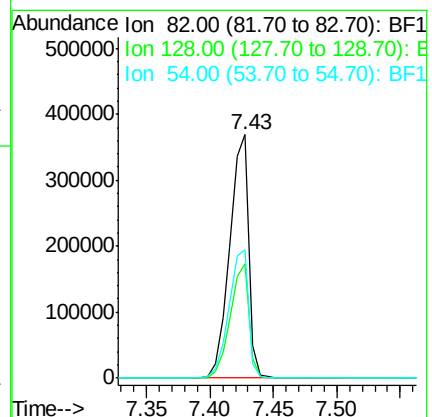
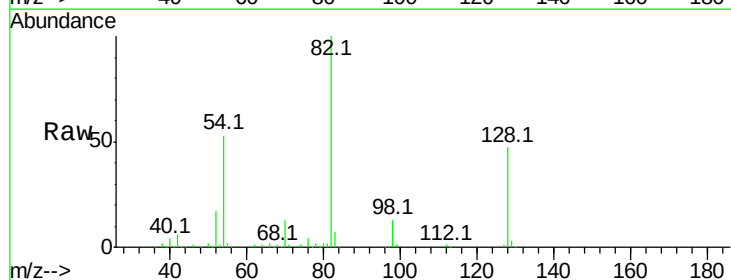
Instrument :  
BNA\_F  
ClientSampleId :

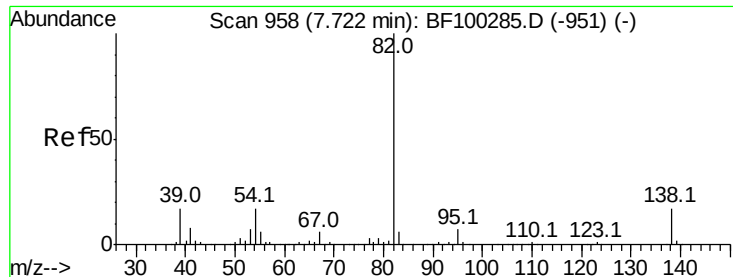
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 228622 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.9 13.3     |
| 54 7.6      | 6.6 9.8      |
| 68 4.8      | 5.0 7.4#     |



#23  
Nitrobenzene-d5  
Concen: 110.821 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.00 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

|         |           |             |              |
|---------|-----------|-------------|--------------|
| Tgt Ion | 82        | Resp: Lower | 383221 Upper |
|         | Ratio 100 |             |              |
| 128     | 46.9      | 36.1        | 54.1         |
| 54      | 52.7      | 41.4        | 62.2         |





#25

Isophorone

Concen: 52.743 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.25 min

Lab File: BF100967.D

Acq: 29 Nov 2017 7:05

Instrument :

BNA\_F

ClientSampled :

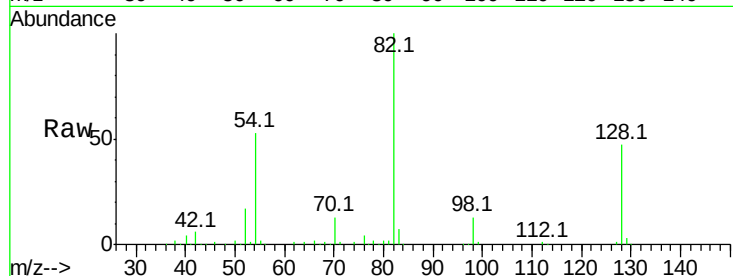
Tot Ion: 82 Resp: 383273

Ion Ratio Lower Upper

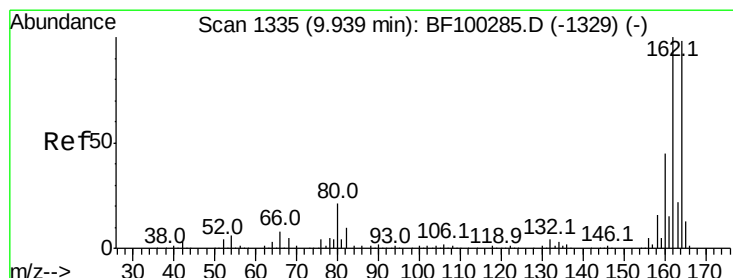
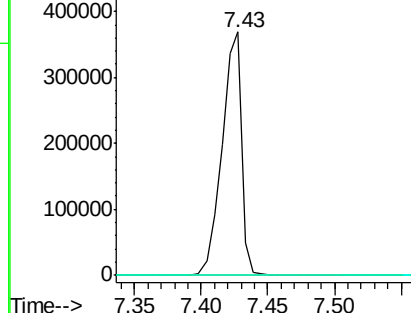
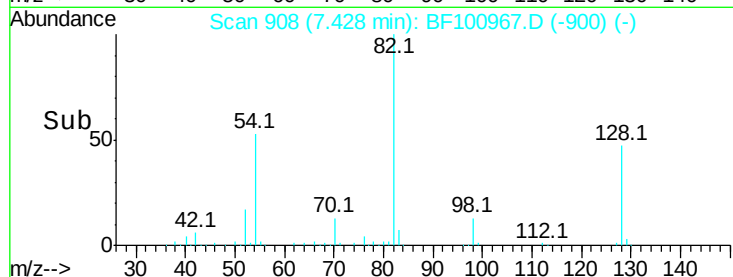
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100967.D

Acq: 29 Nov 2017 7:05

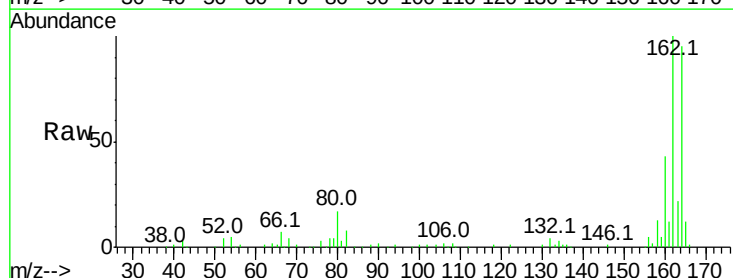
Tgt Ion: 164 Resp: 101284

Ion Ratio Lower Upper

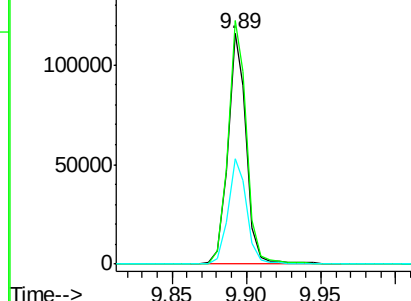
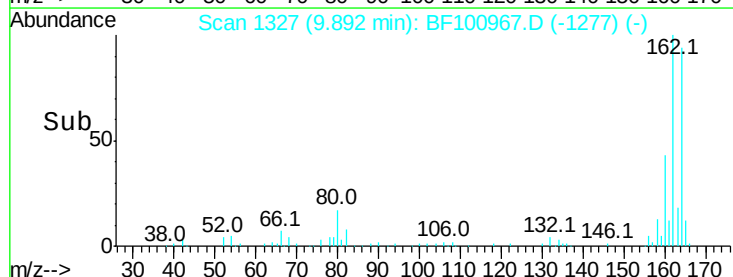
164 100

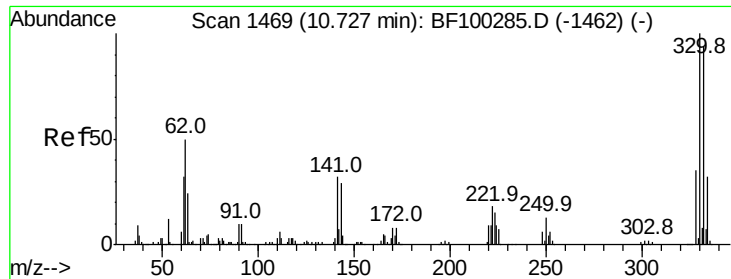
162 105.5 86.1 129.1

160 45.8 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

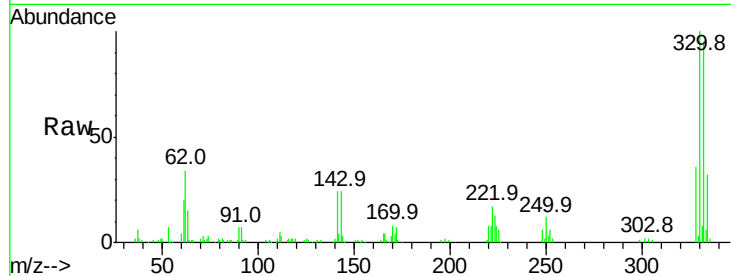




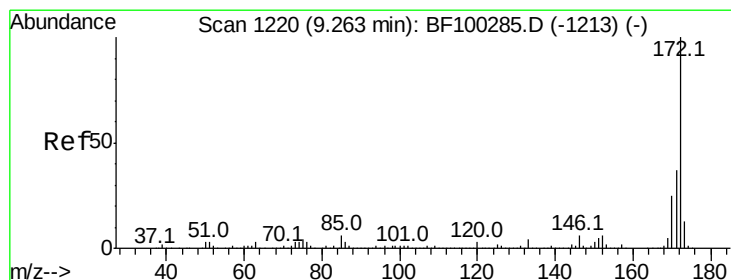
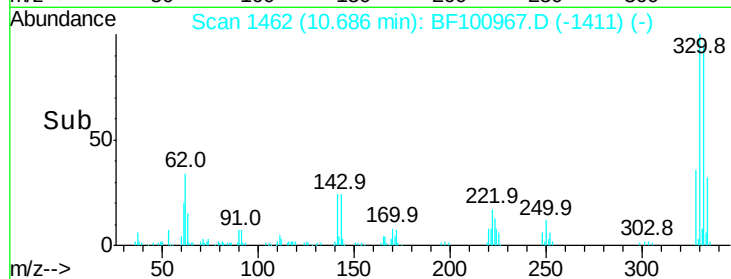
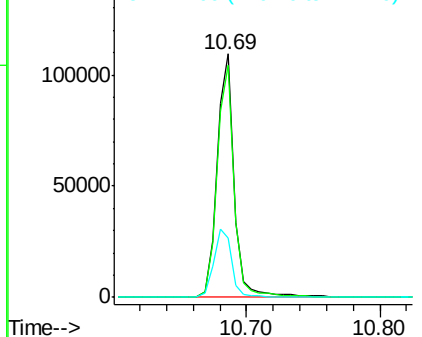
#41  
 2,4,6-Tribromophenol  
 Concen: 95.457 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 29.6  | 29.9  | 44.9# |

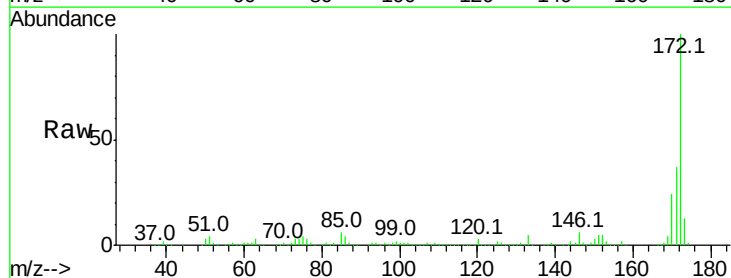


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

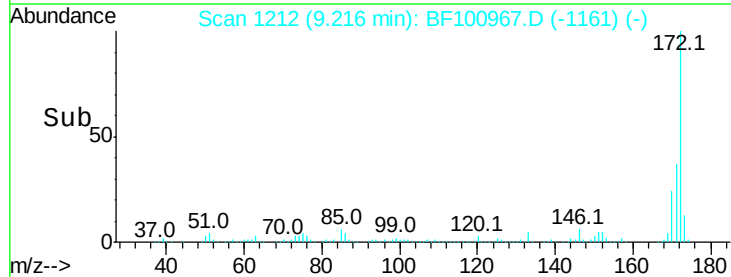
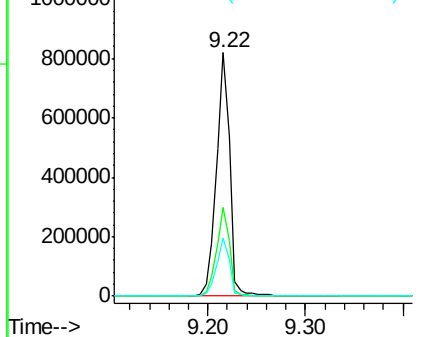


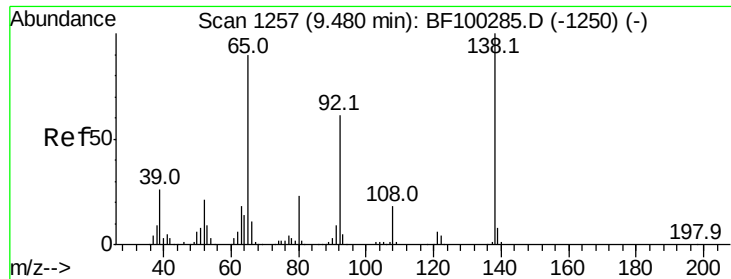
#44  
 2-Fluorobiphenyl  
 Concen: 116.475 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

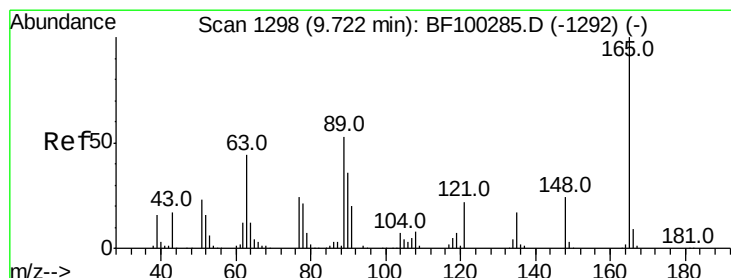
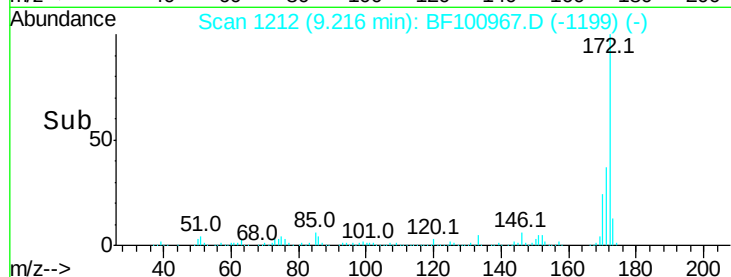
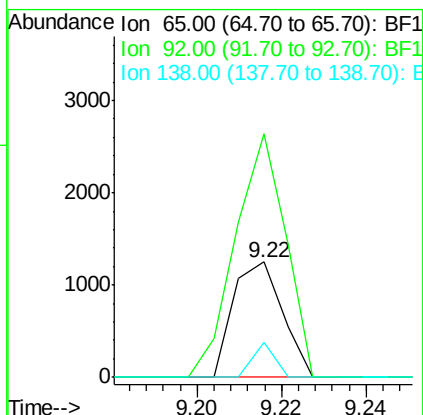
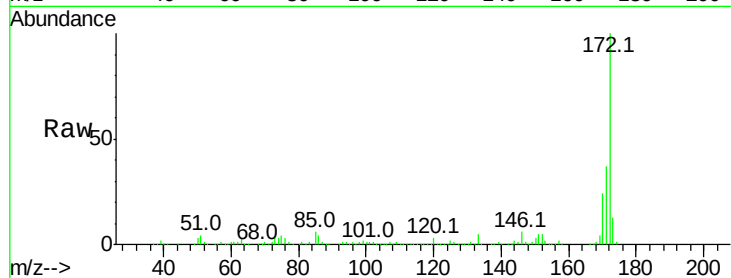




#47  
2-Nitroaniline  
Concen: 3.291 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.22 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

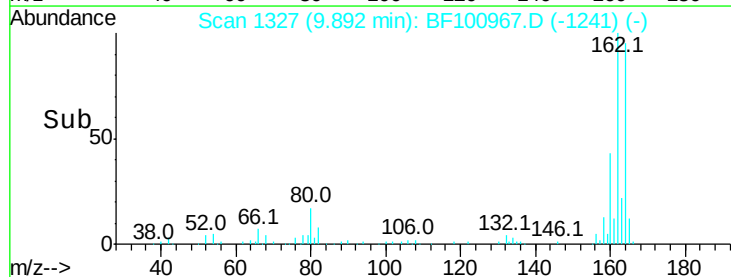
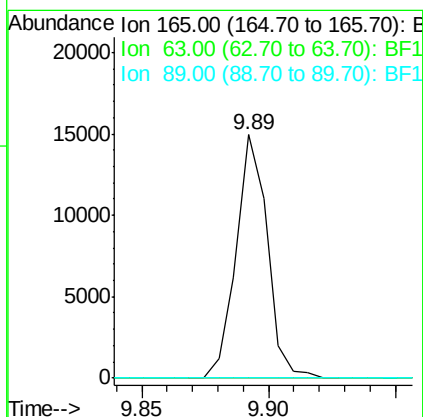
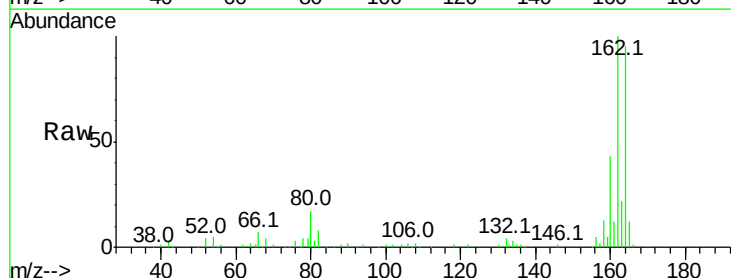
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 1011  
Ion Ratio Lower Upper  
65 100  
92 211.5 55.8 83.6#  
138 30.9 91.2 136.8#

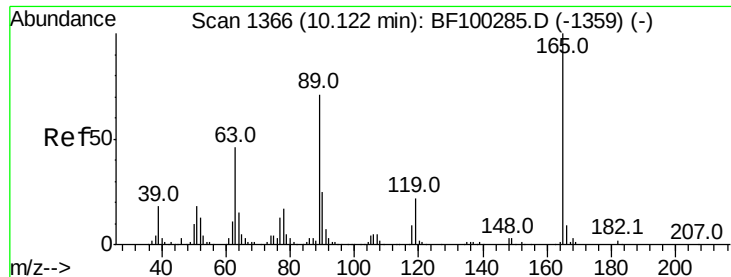


#50  
2,6-Dinitrotoluene  
Concen: 8.307 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.21 min  
Lab File: BF100967.D  
Acq: 29 Nov 2017 7:05

Tgt Ion:165 Resp: 12716  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



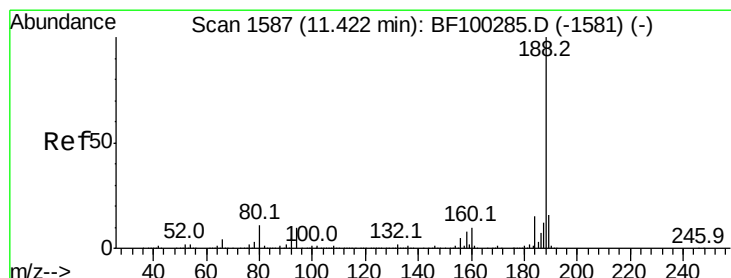
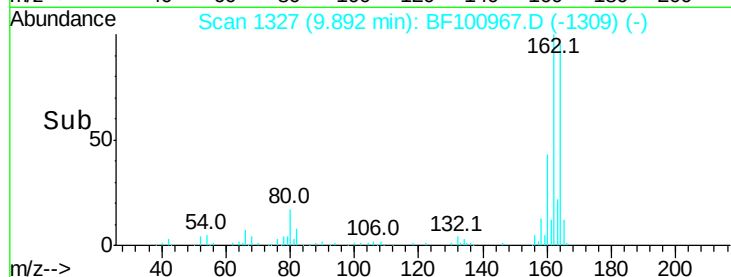
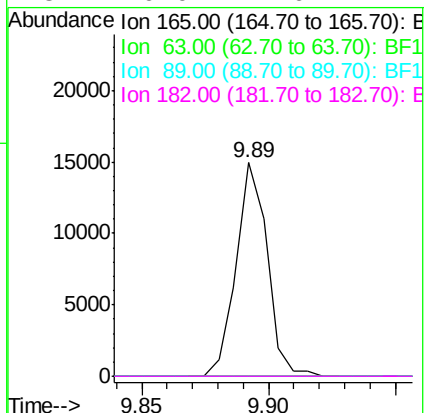
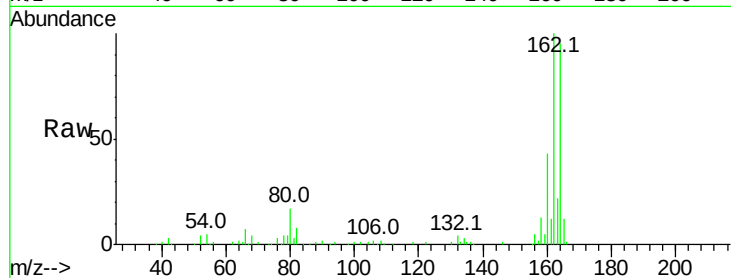




#56  
 2,4-Dinitrotoluene  
 Concen: 6.585 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

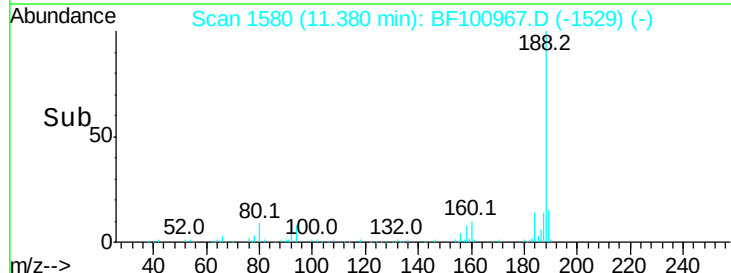
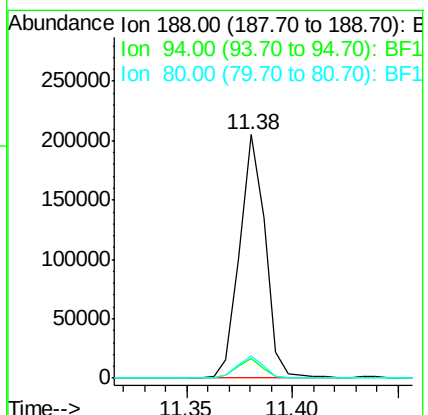
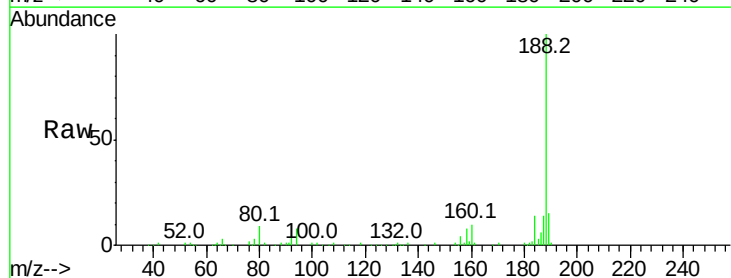
Instrument :  
 BNA\_F  
 ClientSampleId :

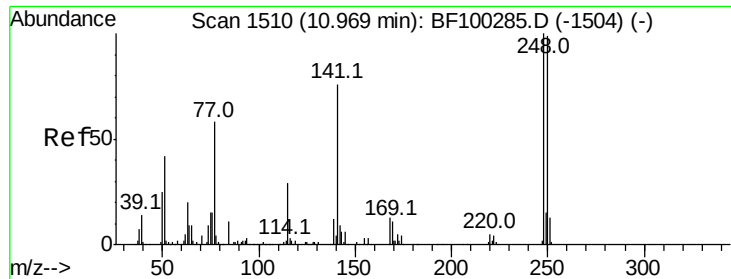
|             |       |       |
|-------------|-------|-------|
| Tot Ion:165 | Resp: | 12716 |
| Ion Ratio   | Lower | Upper |
| 165 100     |       |       |
| 63 0.0      | 36.4  | 54.6# |
| 89 0.0      | 57.8  | 86.6# |
| 182 0.0     | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.00 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:188 | Resp: | 171883 |
| Ion Ratio   | Lower | Upper  |
| 188 100     |       |        |
| 94 7.9      | 8.5   | 12.7#  |
| 80 9.3      | 9.2   | 13.8   |

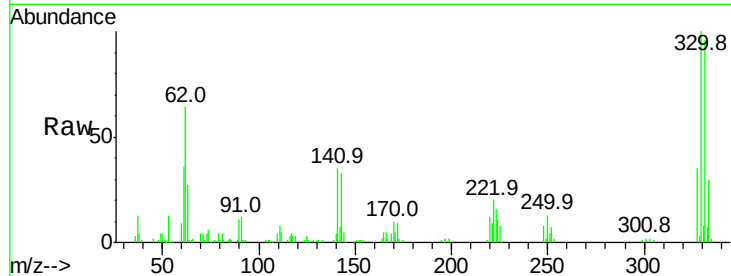




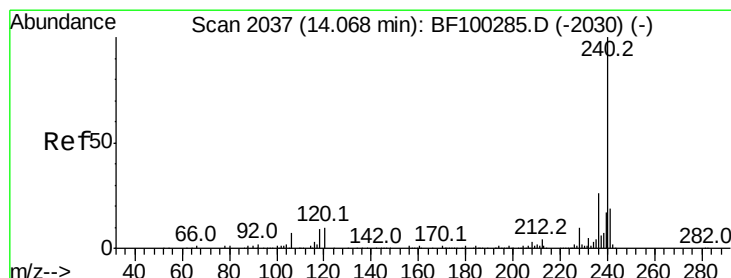
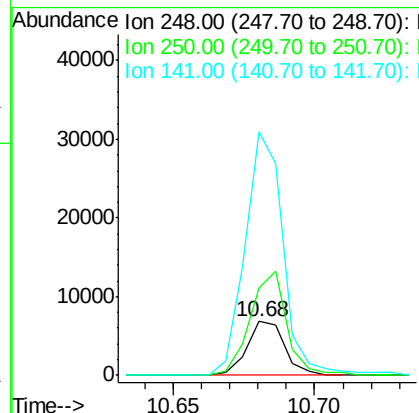
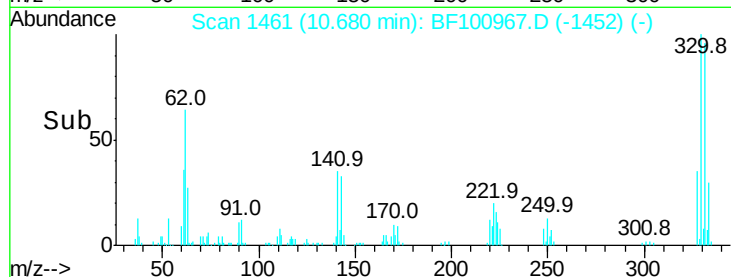
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.460 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.25 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 6376  
 Ion Ratio Lower Upper  
 248 100  
 250 162.8 76.9 115.3#  
 141 450.2 74.4 111.6#

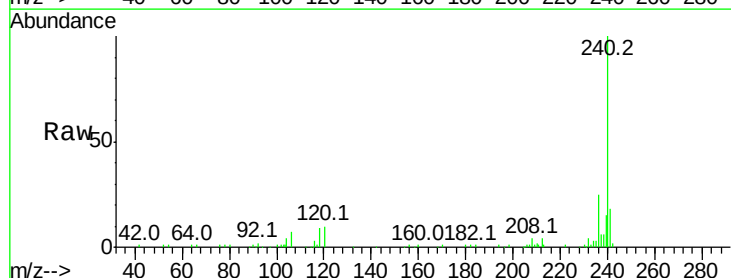


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

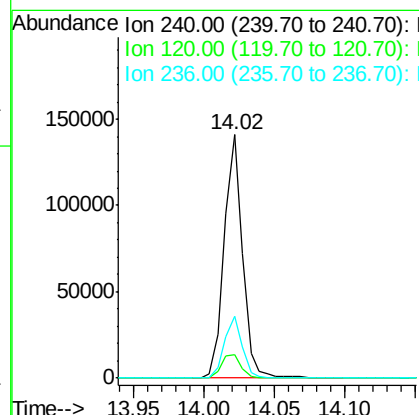
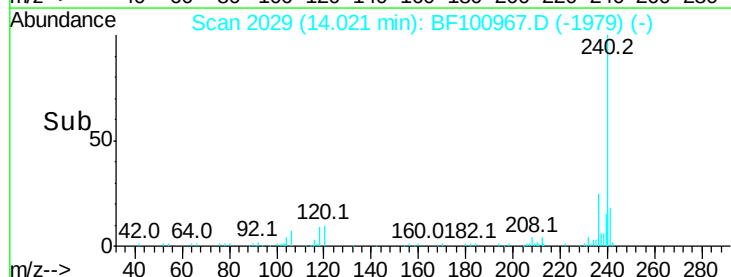


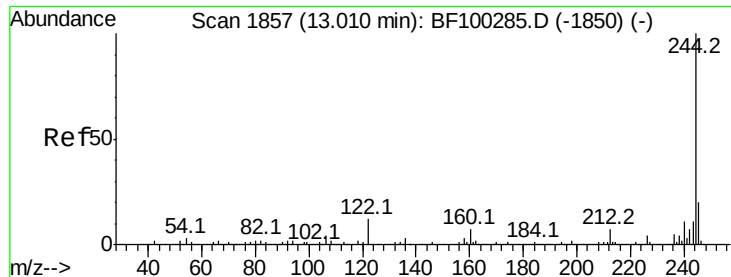
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.01 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

Tgt Ion:240 Resp: 127613  
 Ion Ratio Lower Upper  
 240 100  
 120 9.8 9.5 14.3  
 236 25.3 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

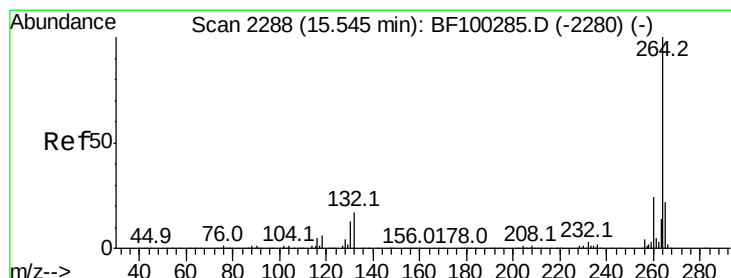
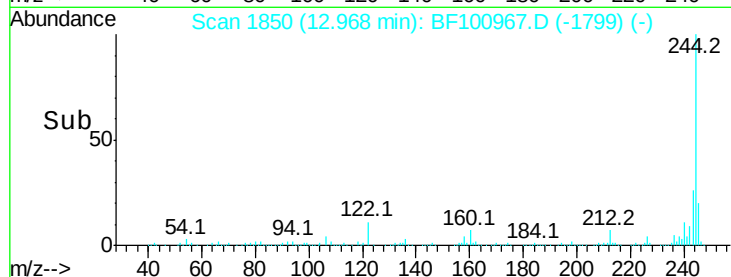
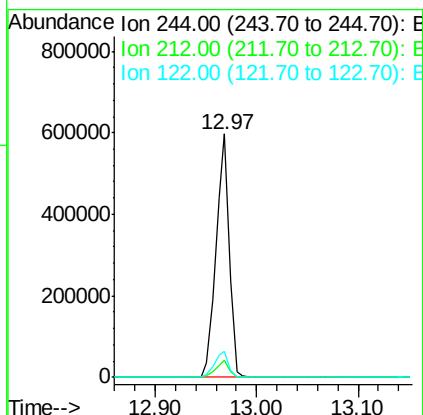
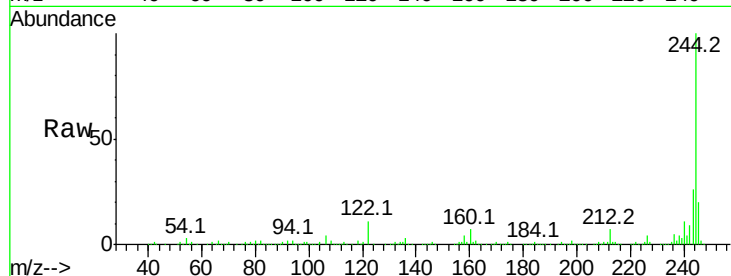




#78  
 Terphenyl-d14  
 Concen: 97.019 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.00 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 538834  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.0  
 122 10.9 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: BF100967.D  
 Acq: 29 Nov 2017 7:05

Tgt Ion:264 Resp: 117470  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 19.2 28.8  
 265 22.8 17.5 26.3

