

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
 Data File : BF100119.D  
 Acq On : 3 Nov 2017 7:42  
 Operator : SJ/JU  
 Sample : I6273-04  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 03 08:41:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

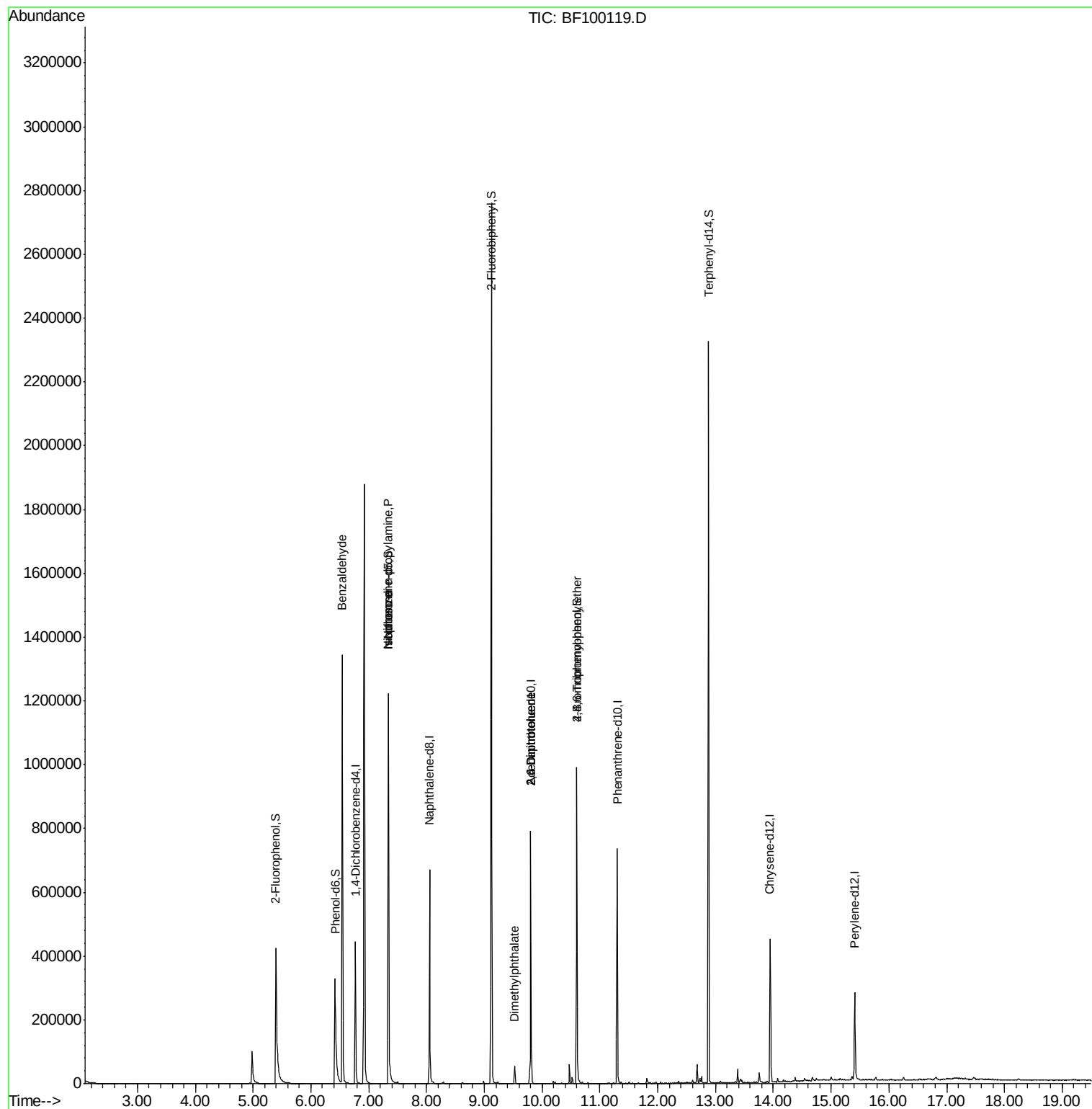
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 81218    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 337823   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.80  | 164  | 155759   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.30 | 188  | 273724   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.95 | 240  | 168087   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.41 | 264  | 135425   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 254397   | 49.18  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 207292   | 33.79  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 492514   | 93.86  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 133327   | 93.93  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 965884   | 95.67  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.88 | 244  | 839685   | 109.17 | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.54  | 77   | 7555     | 2.061  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 60249    | 16.761 | ng    | # 71     |
| 25) Isophorone                 | 7.34  | 82   | 492514   | 51.726 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.53  | 163  | 29886    | 2.423  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 19332    | 7.455  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 19332    | 6.191  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 8696     | 3.018  | ng    | # 1      |

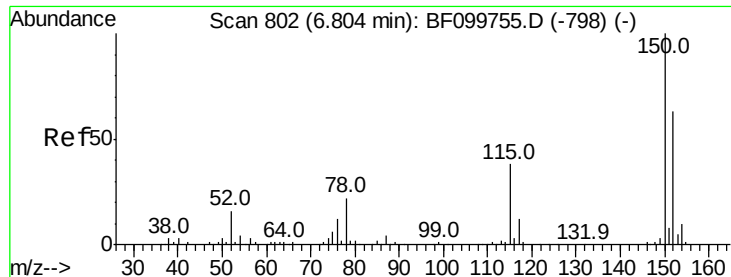
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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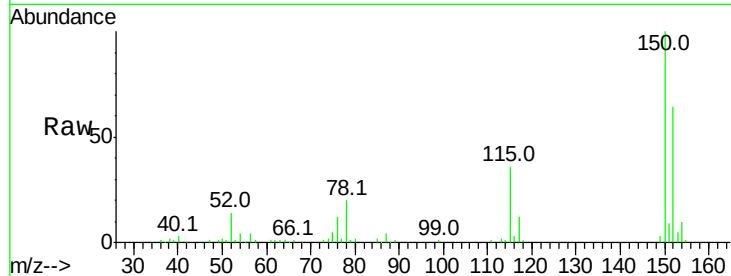


#1

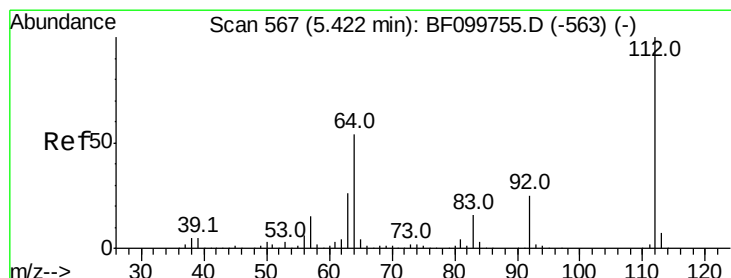
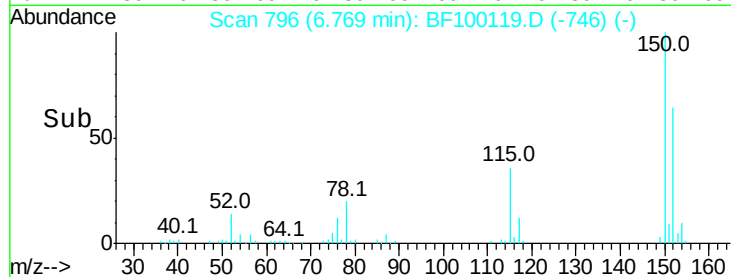
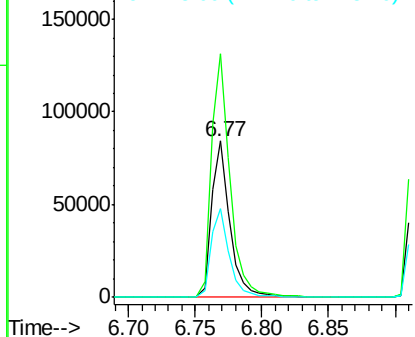
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 81218  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.6 186.8  
115 56.5 50.1 75.1



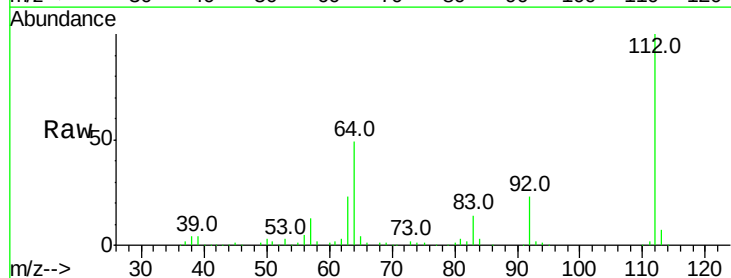
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



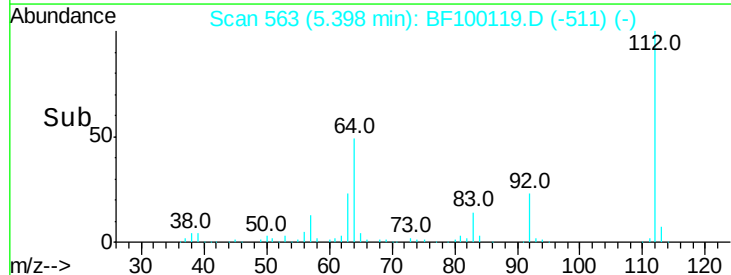
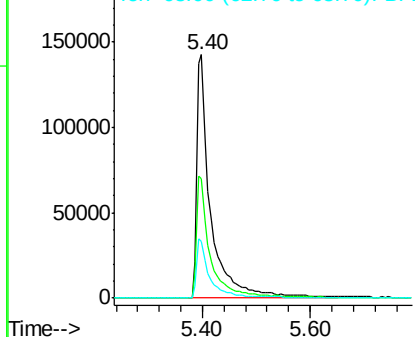
#5

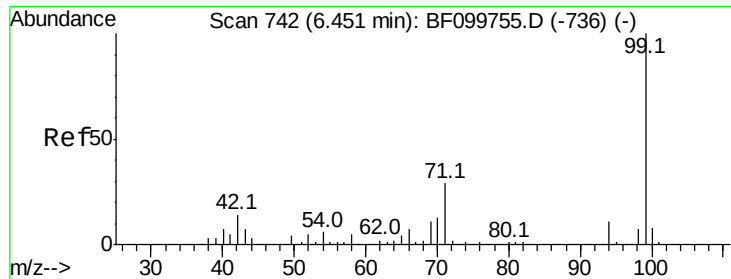
2-Fluorophenol  
Concen: 49.176 ng  
RT: 5.40 min Scan# 563  
Delta R.T. 0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Tgt Ion:112 Resp: 254397  
Ion Ratio Lower Upper  
112 100  
64 49.1 47.9 71.9  
63 23.2 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: 33.794 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100119.D

Acq: 3 Nov 2017 7:42

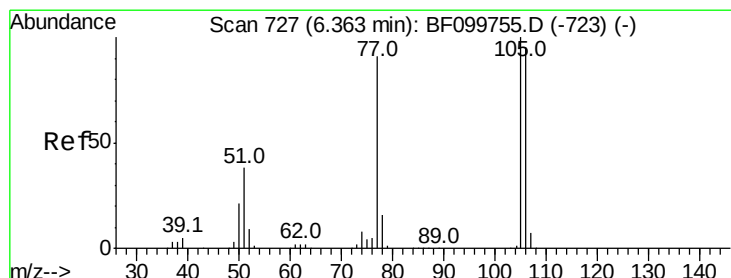
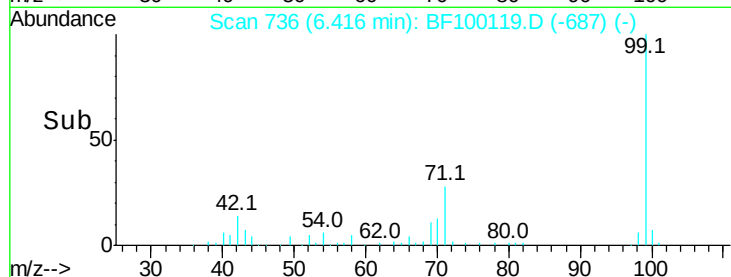
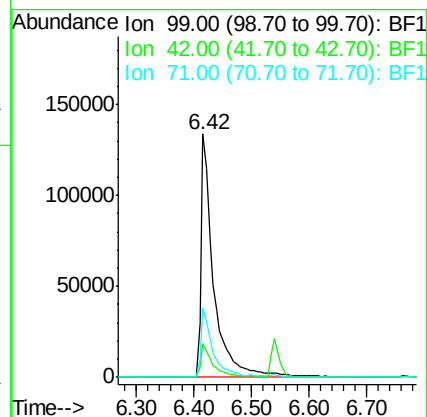
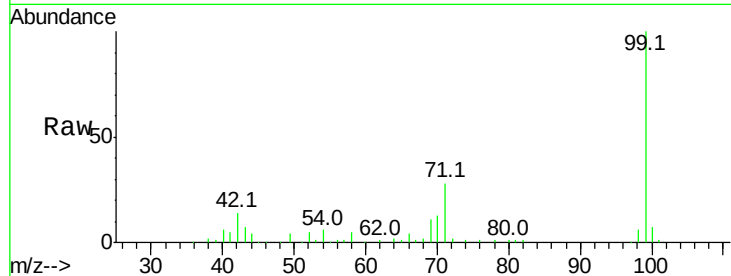
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 207292

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.8  | 14.5  | 21.7# |
| 71  | 28.4  | 25.4  | 38.0  |



#9

Benzaldehyde

Concen: 2.061 ng

RT: 6.54 min Scan# 757

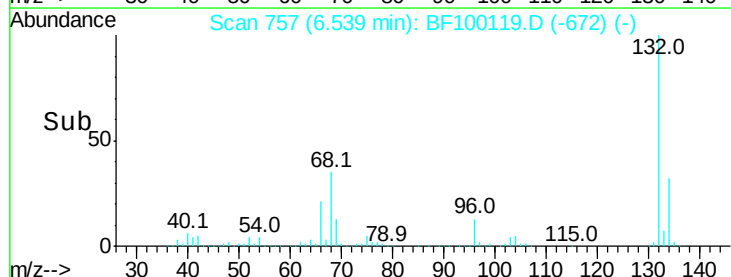
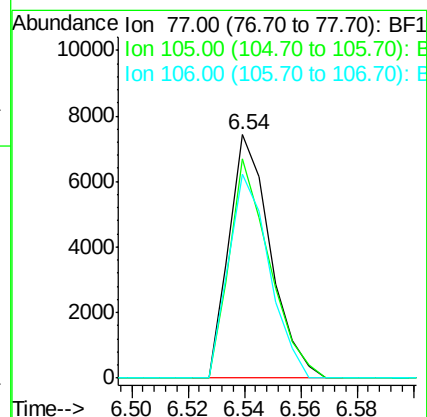
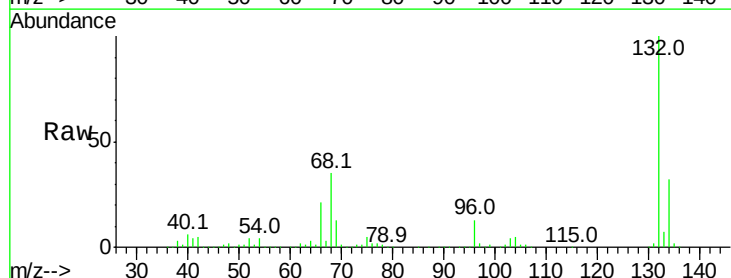
Delta R.T. 0.20 min

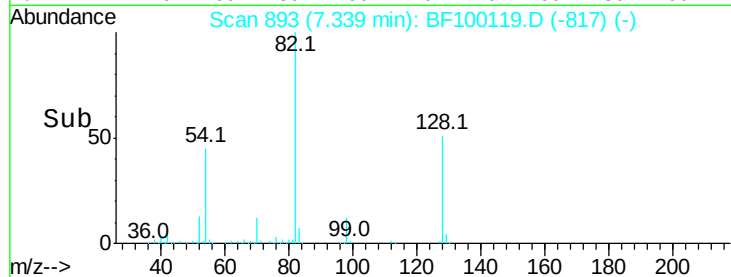
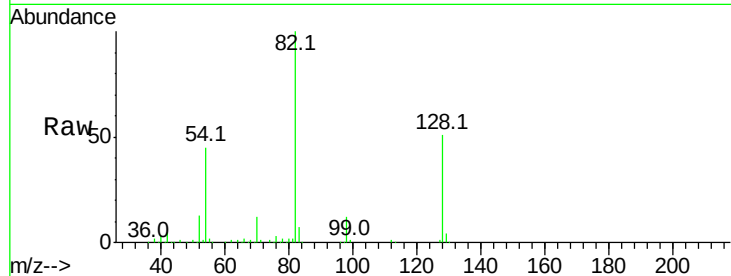
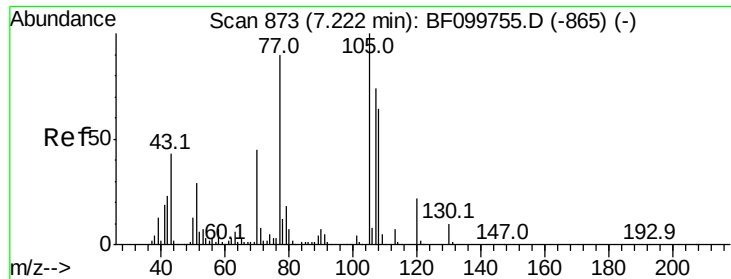
Lab File: BF100119.D

Acq: 3 Nov 2017 7:42

Tgt Ion: 77 Resp: 7555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 90.1  | 81.1  | 121.1 |
| 106 | 83.6  | 74.5  | 114.5 |

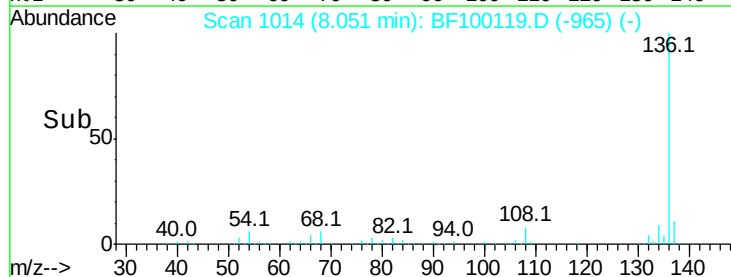
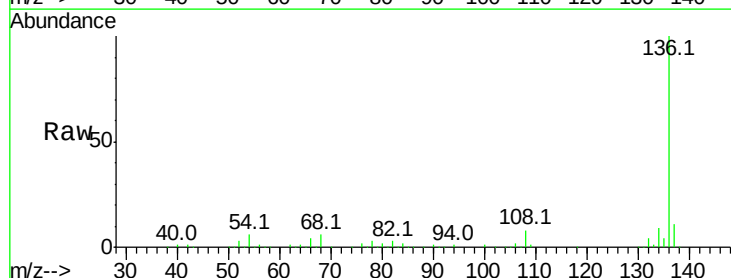
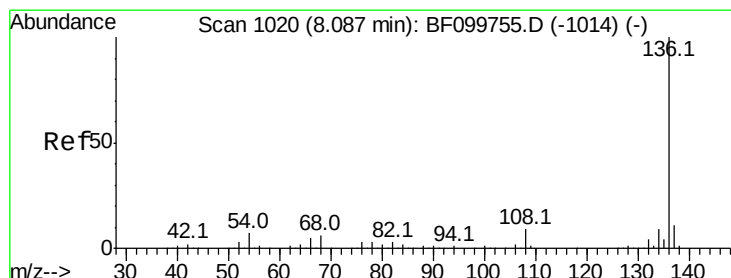
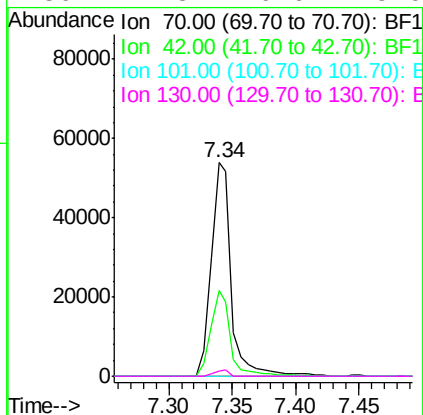




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.761 ng  
RT: 7.34 min Scan# 893  
Delta R.T. 0.15 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

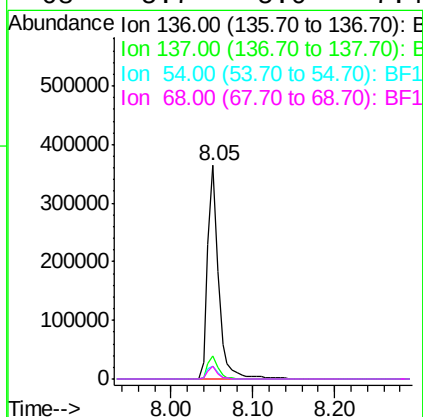
Instrument :  
BNA\_F  
ClientSampleId :

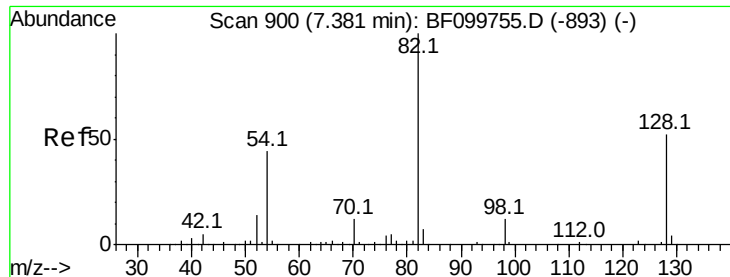
Tot Ion: 70 Resp: 60249  
Ion Ratio Lower Upper  
70 100  
42 40.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.3 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Tgt Ion:136 Resp: 337823  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 6.0 6.6 9.8#  
68 5.7 5.0 7.4

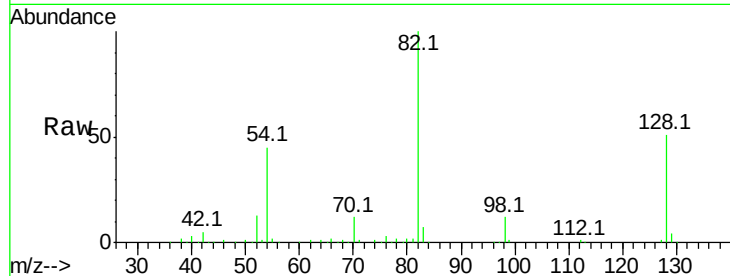




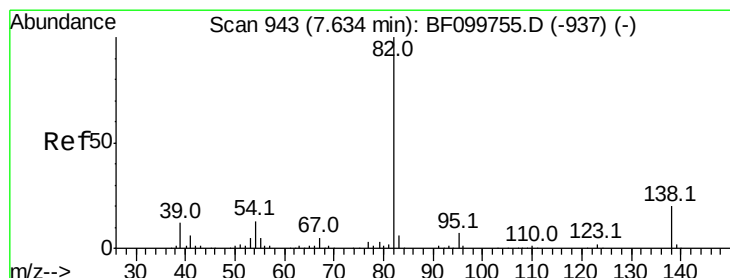
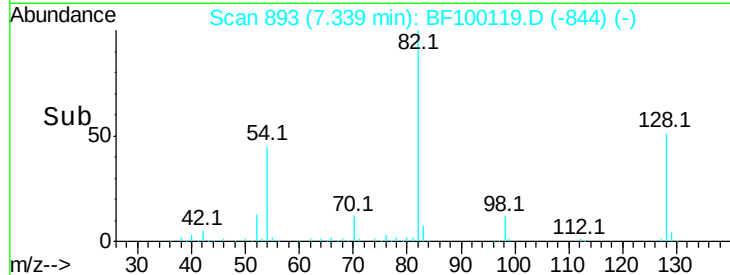
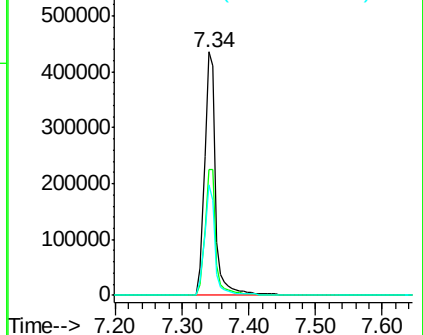
#23  
 Nitrobenzene-d5  
 Concen: 93.861 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.01 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 492514  
 Ion Ratio Lower Upper  
 82 100  
 128 51.5 36.1 54.1  
 54 45.3 41.4 62.2

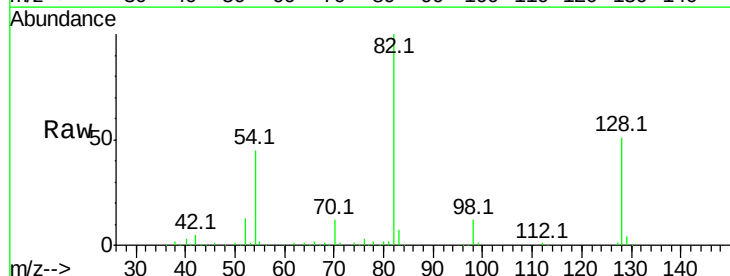


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

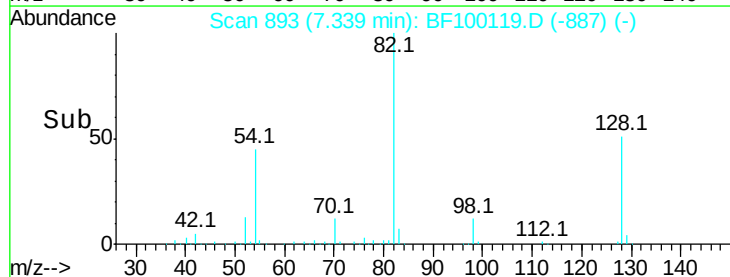
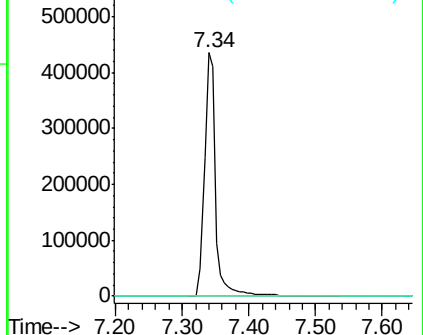


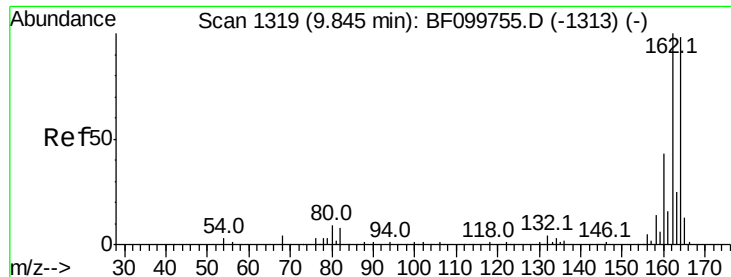
#25  
 Isophorone  
 Concen: 51.726 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.26 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

Tgt Ion: 82 Resp: 492514  
 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

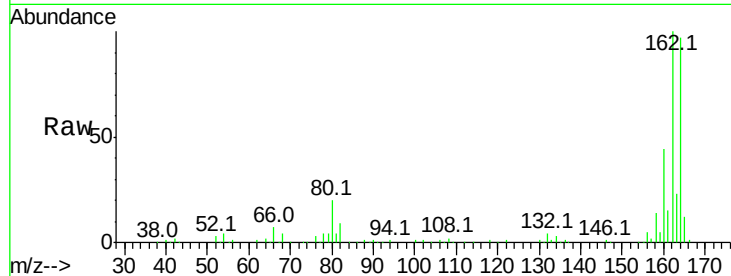




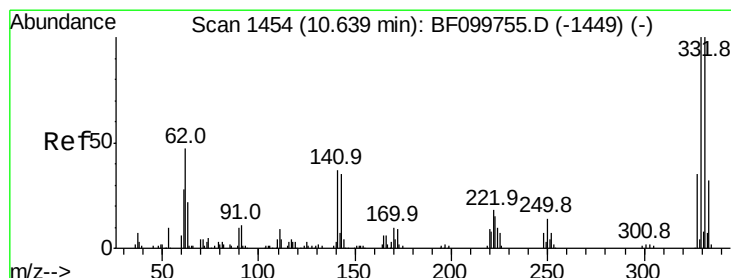
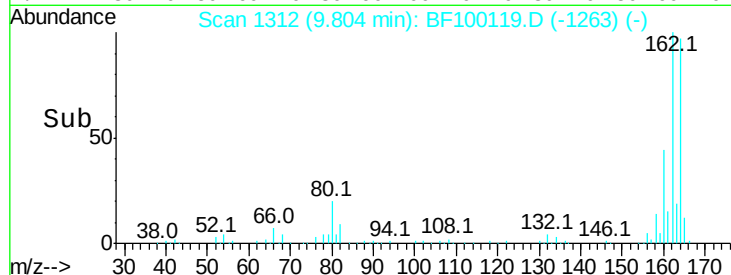
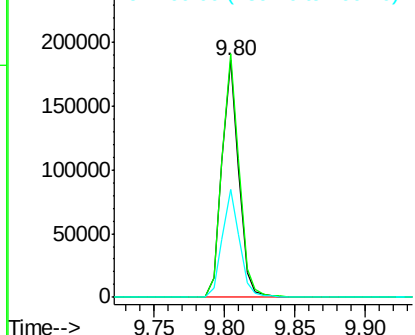
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 155759  
Ion Ratio Lower Upper  
164 100  
162 102.7 86.1 129.1  
160 45.4 38.3 57.5

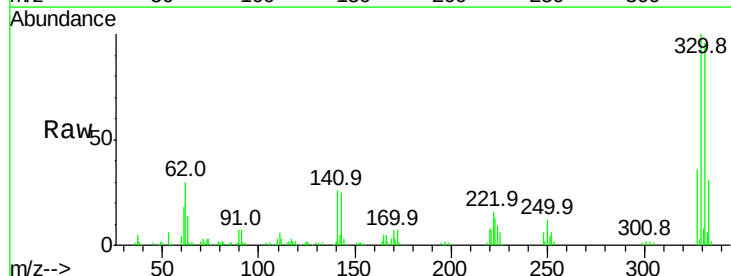


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

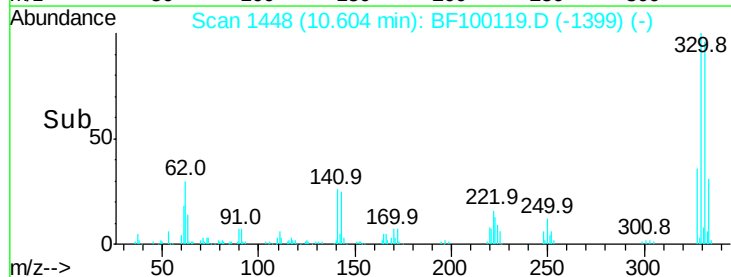
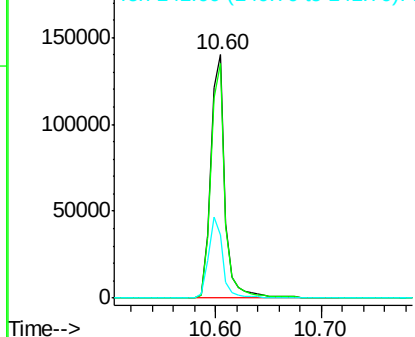


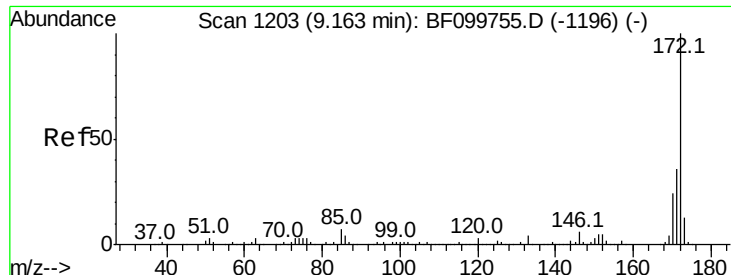
#41  
2,4,6-Tribromophenol  
Concen: 93.928 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Tgt Ion:330 Resp: 133327  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.0 115.6  
141 33.2 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

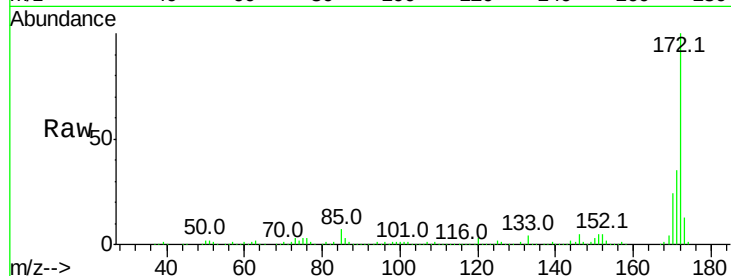




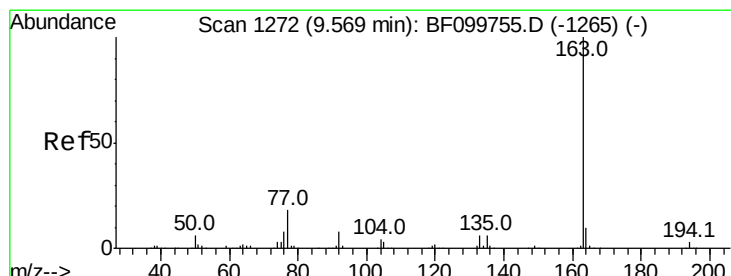
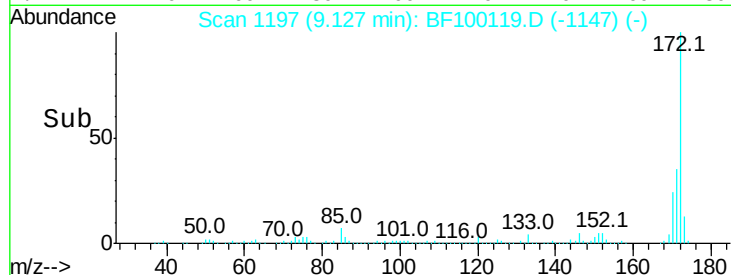
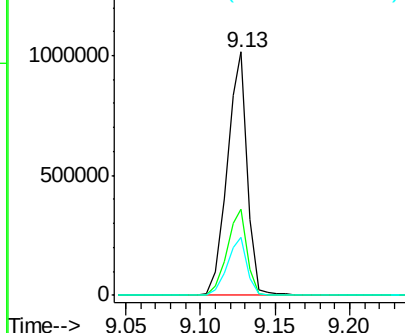
#44  
2-Fluorobiphenyl  
Concen: 95.674 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 965884  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.7 44.5  
170 23.9 19.6 29.4

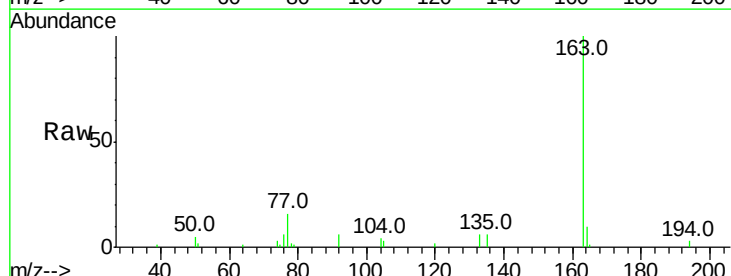


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

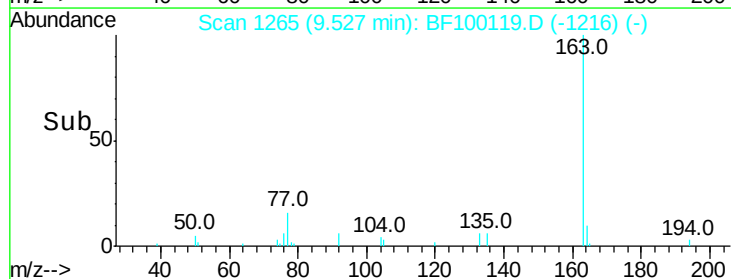
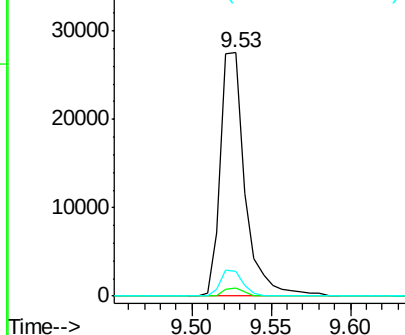


#49  
Dimethylphthalate  
Concen: 2.423 ng  
RT: 9.53 min Scan# 1265  
Delta R.T. -0.01 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

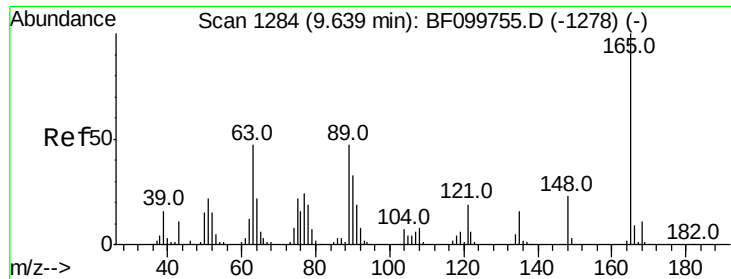
Tgt Ion:163 Resp: 29886  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.9 8.2 12.2



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: 7.455 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF100119.D

Acq: 3 Nov 2017 7:42

Instrument :

BNA\_F

ClientSampleId :

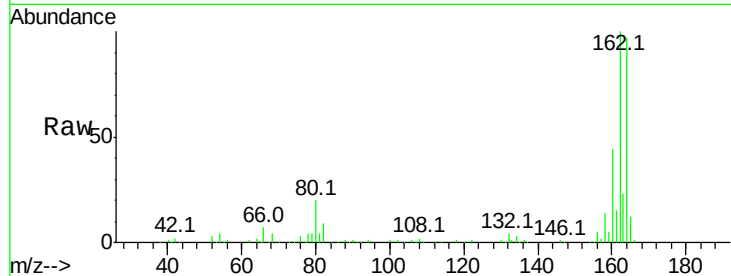
Tot Ion:165 Resp: 19332

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

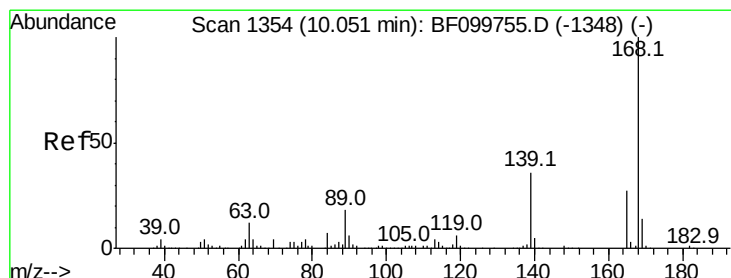
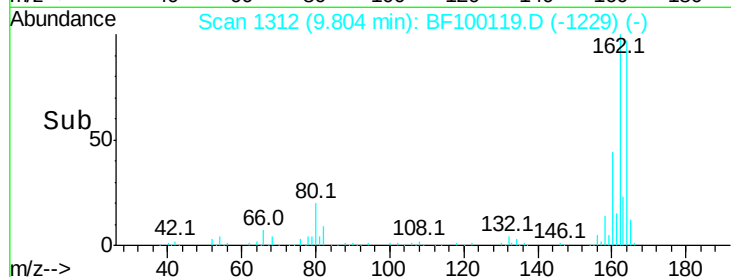
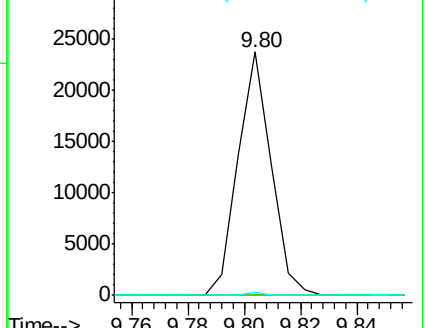
89 1.3 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.191 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.23 min

Lab File: BF100119.D

Acq: 3 Nov 2017 7:42

Tgt Ion:165 Resp: 19332

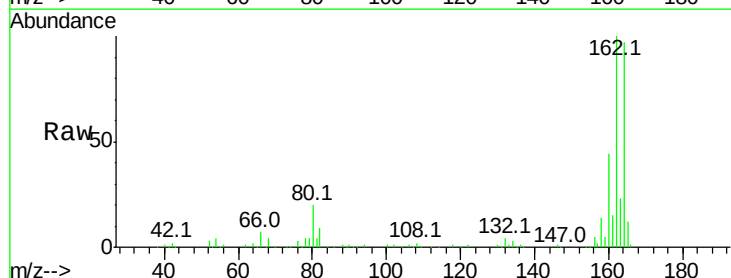
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

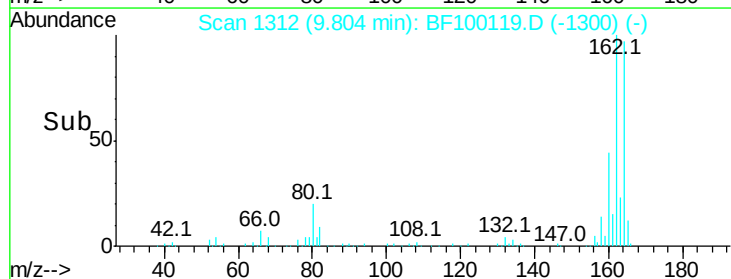
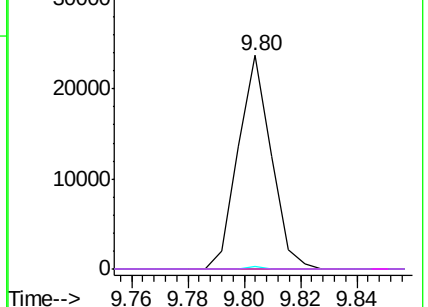


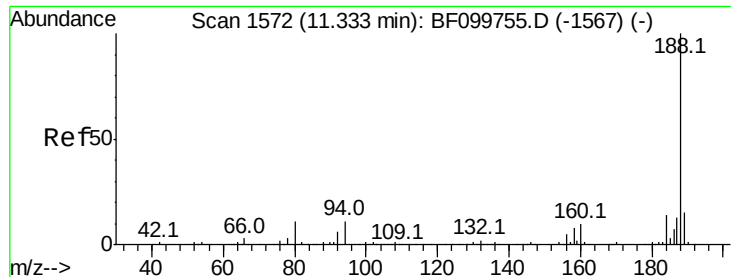
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

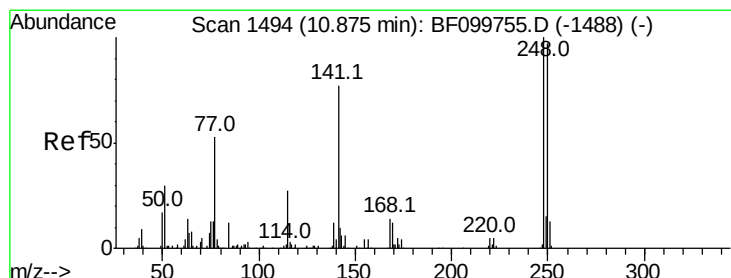
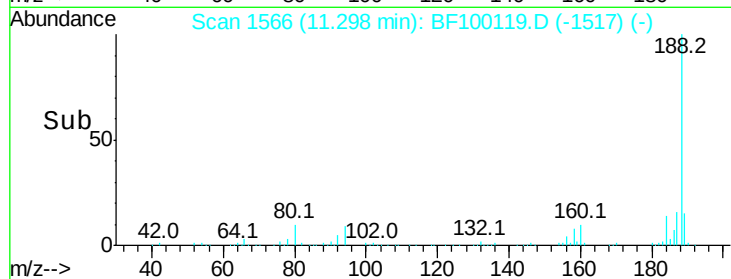
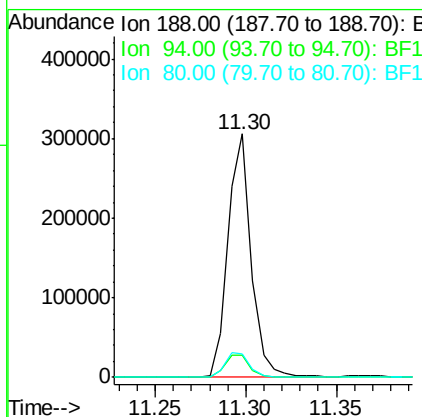
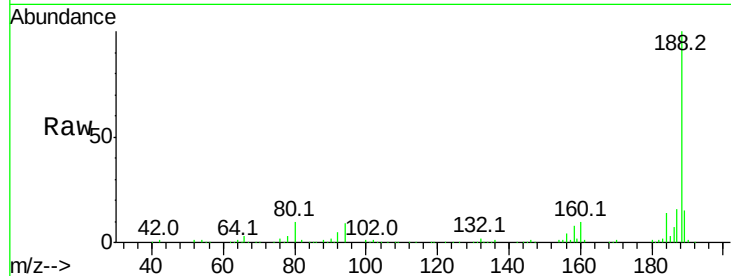




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

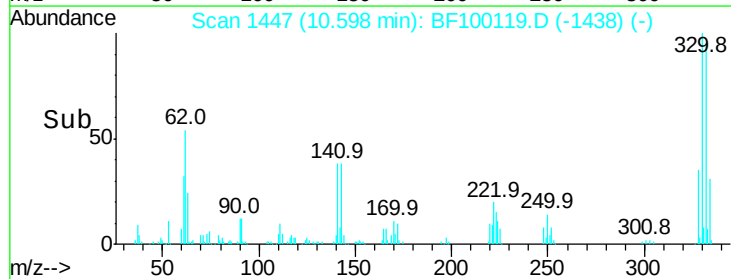
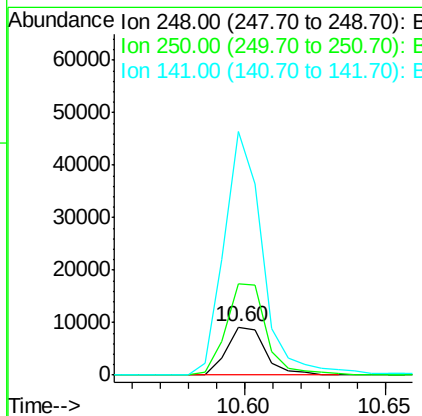
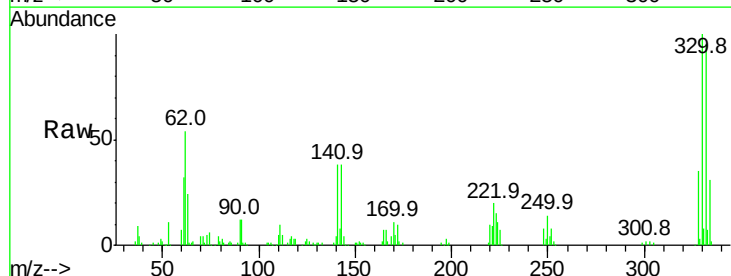
Instrument :  
 BNA\_F  
 ClientSampleId :

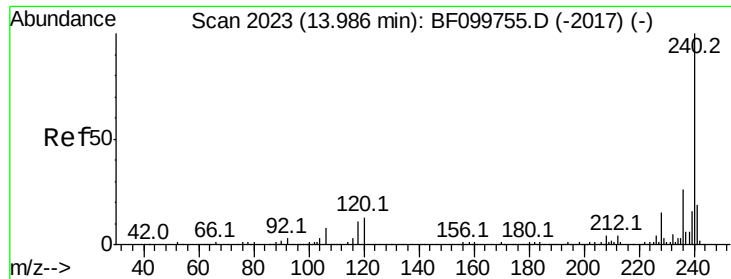
Tot Ion:188 Resp: 273724  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 8.5 12.7  
 80 9.8 9.2 13.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.018 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.25 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

Tgt Ion:248 Resp: 8696  
 Ion Ratio Lower Upper  
 248 100  
 250 189.4 76.9 115.3#  
 141 507.8 74.4 111.6#

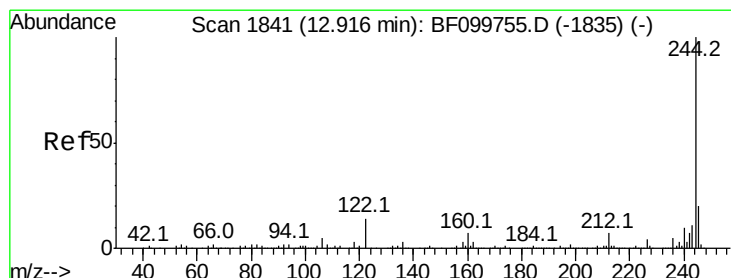
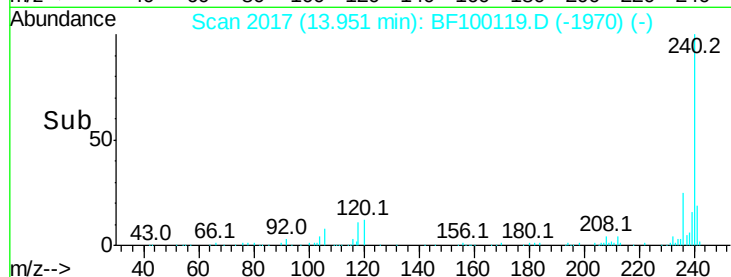
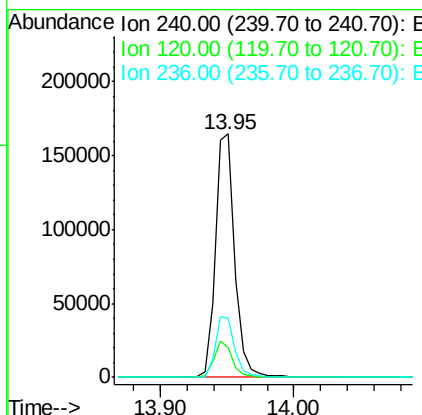
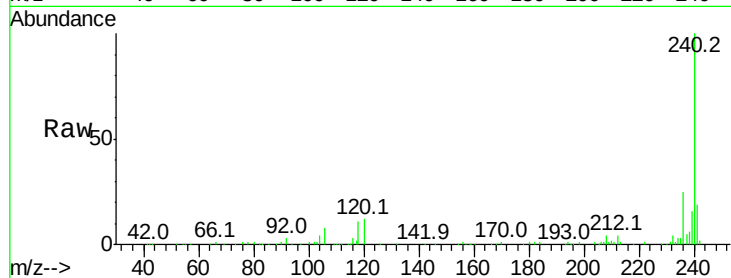




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. -0.02 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

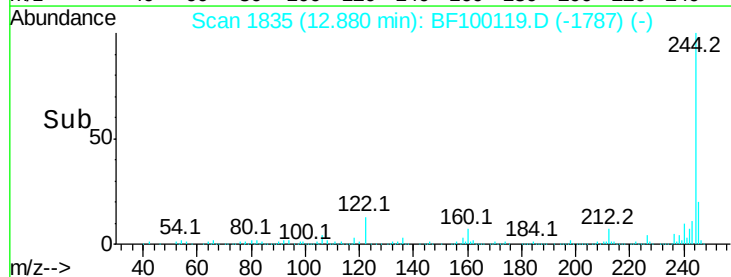
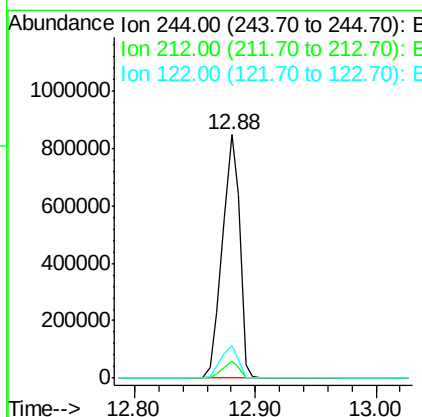
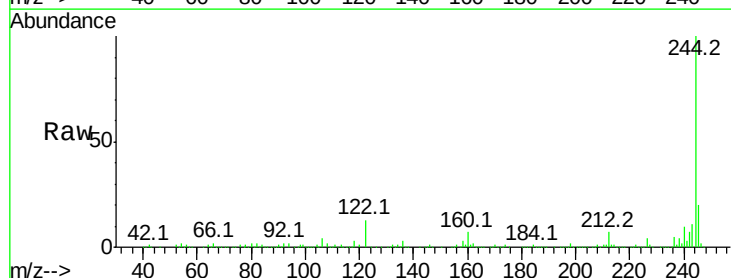
Instrument :  
 BNA\_F  
 ClientSampleId :

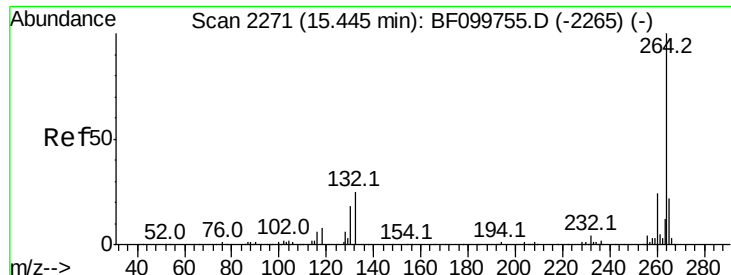
Tot Ion:240 Resp: 168087  
 Ion Ratio Lower Upper  
 240 100  
 120 12.4 9.5 14.3  
 236 24.6 20.7 31.1



#78  
 Terphenyl-d14  
 Concen: 109.171 ng  
 RT: 12.88 min Scan# 1835  
 Delta R.T. -0.02 min  
 Lab File: BF100119.D  
 Acq: 3 Nov 2017 7:42

Tgt Ion:244 Resp: 839685  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.0  
 122 13.4 11.0 16.4

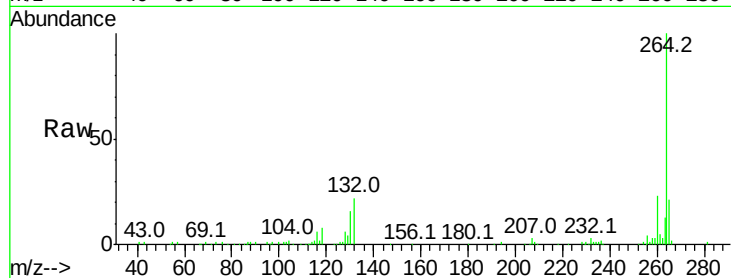




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.41 min Scan# 2265  
Delta R.T. -0.05 min  
Lab File: BF100119.D  
Acq: 3 Nov 2017 7:42

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 20.7  | 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

