

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\  
 Data File : BF111917.D  
 Acq On : 8 Jan 2019 19:50  
 Operator : JU/SJ  
 Sample : K1075-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 09 00:58:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 Response via : Initial Calibration

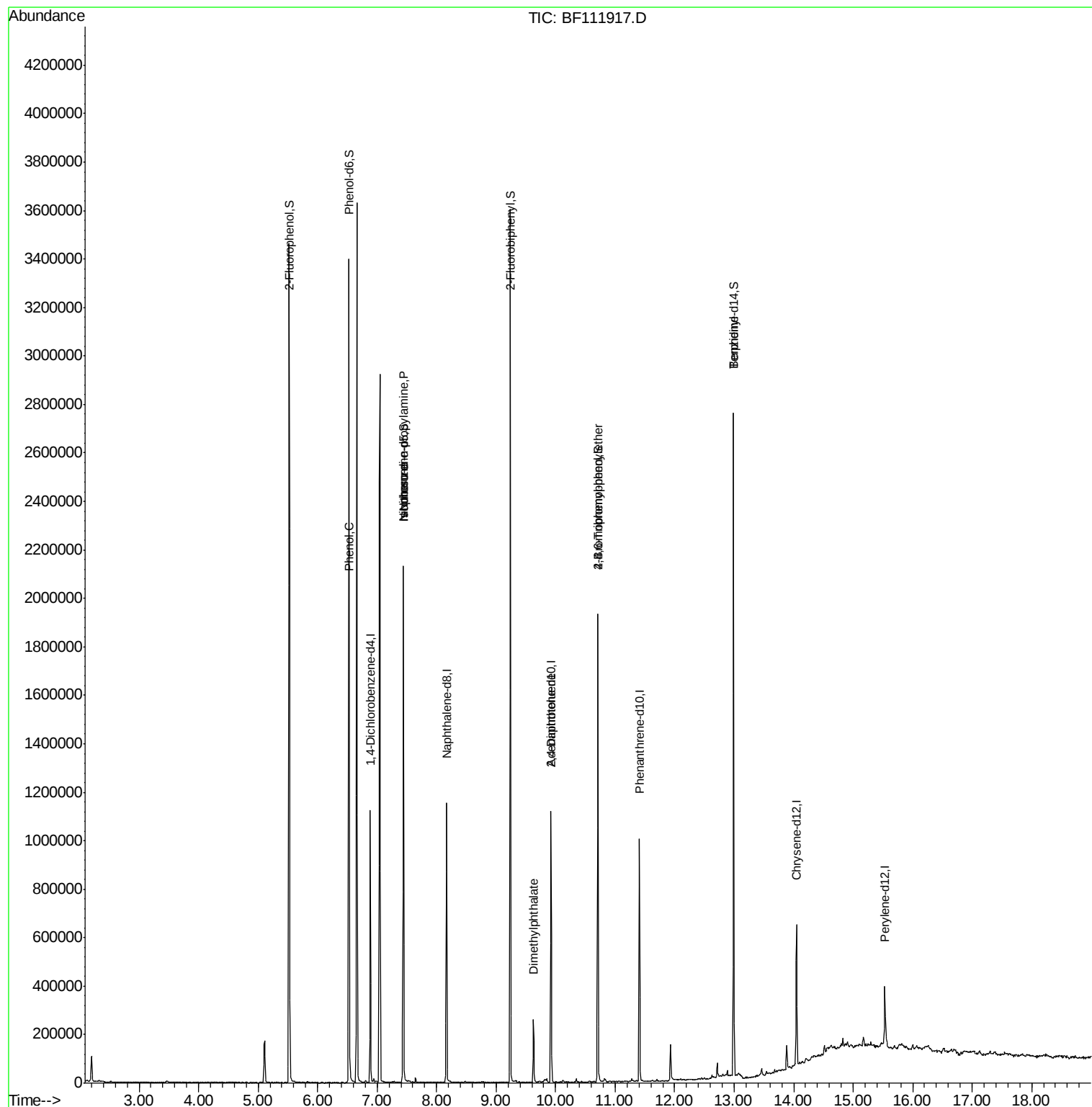
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 153260   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 491687   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 195425   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10           | 11.41 | 188  | 353960   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 14.05 | 240  | 183681   | 20.00     | ng     | 0.00     |
| 87) Perylene-d12               | 15.53 | 264  | 118349   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 879279   | 98.15     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.53  | 99   | 1073133  | 92.94     | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 644761   | 70.08     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.71 | 330  | 231665   | 91.14     | ng     | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 1032262  | 77.02     | ng     | -0.01    |
| 79) Terphenyl-d14              | 12.99 | 244  | 907735   | 93.81     | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.53  | 77   | 2196     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.54  | 94   | 48975    | 3.903 ng  | #      | 75       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 86847    | 11.576 ng | #      | 78       |
| 25) Isophorone                 | 7.45  | 82   | 642770   | 43.146 ng | #      | 65       |
| 50) Dimethylphthalate          | 9.63  | 163  | 94802    | 6.458 ng  |        | 98       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 24582    | 5.795 ng  | #      | 27       |
| 67) 4-Bromophenyl-phenylether  | 10.71 | 248  | 14547    | 3.173 ng  | #      | 1        |
| 77) Benzidine                  | 12.99 | 184  | 11728    | 2.137 ng  | #      | 93       |

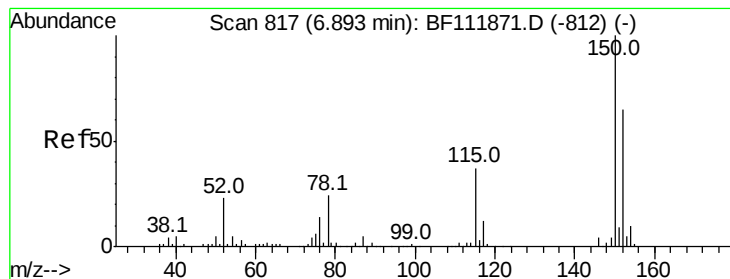
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K1075-05  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 09 00:58:58 2019  
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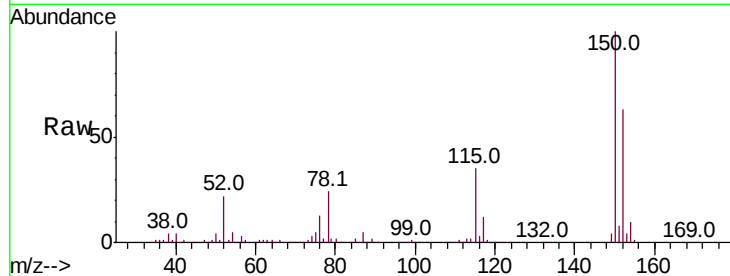


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.8 | 122.7 | 184.1 |
| 115     | 55.3  | 45.2  | 67.8  |

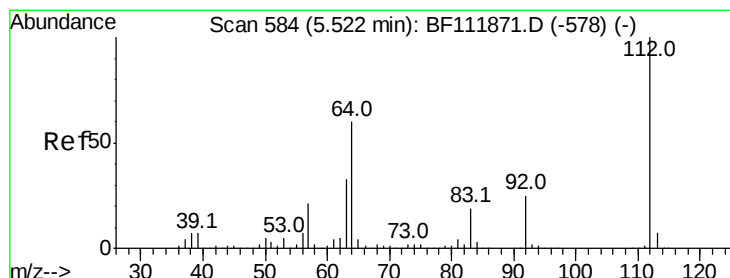
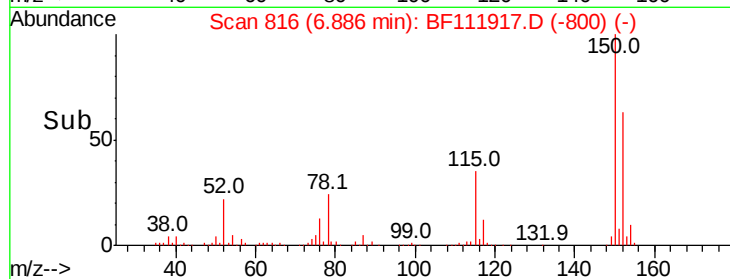
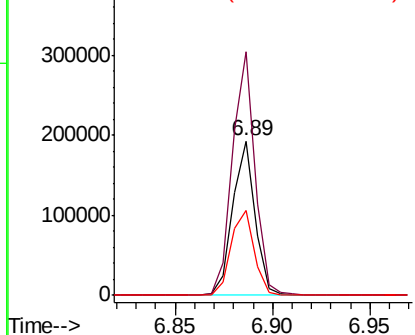


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

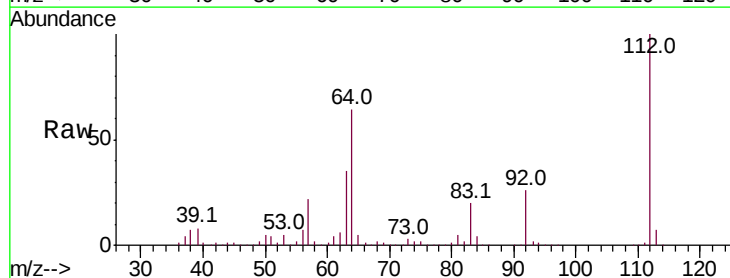
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 98.152 ng  
RT: 5.52 min Scan# 584  
Delta R.T. -0.00 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.6  | 48.3  | 72.5  |
| 63      | 34.7  | 26.1  | 39.1  |

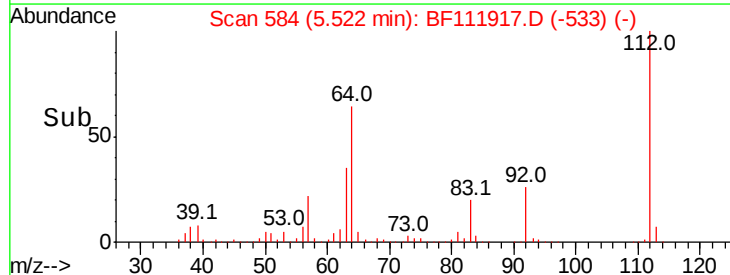
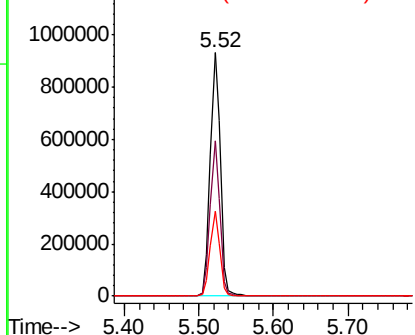


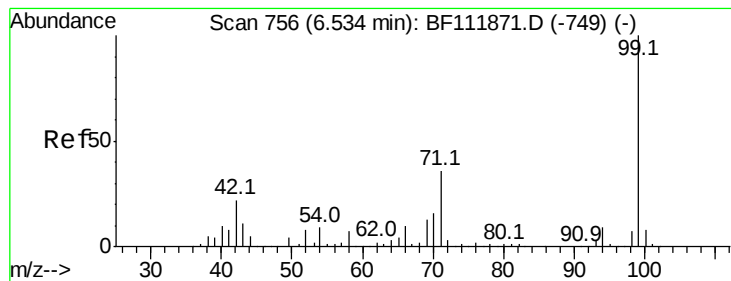
Abundance

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: 92.943 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

Instrument :

BNA\_F

ClientSampled :

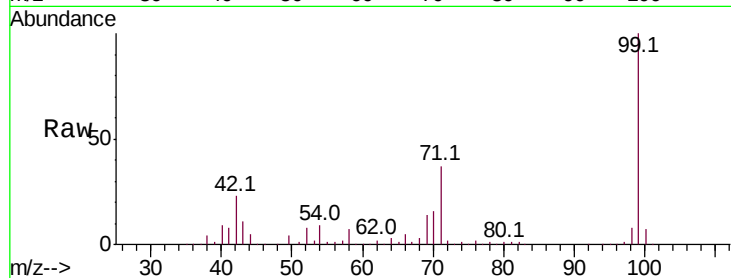
Tot Ion: 99 Resp: 1073133

Ion Ratio Lower Upper

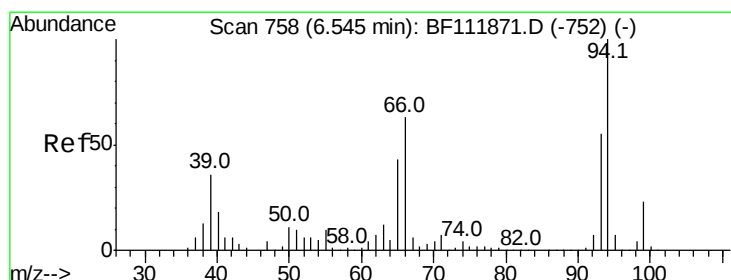
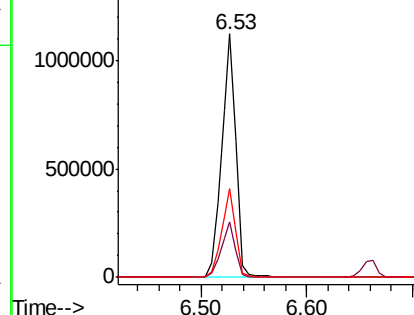
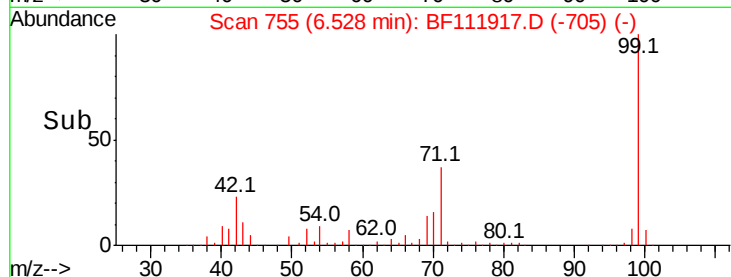
99 100

42 22.6 17.9 26.9

71 36.7 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1  
1500000 Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.903 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

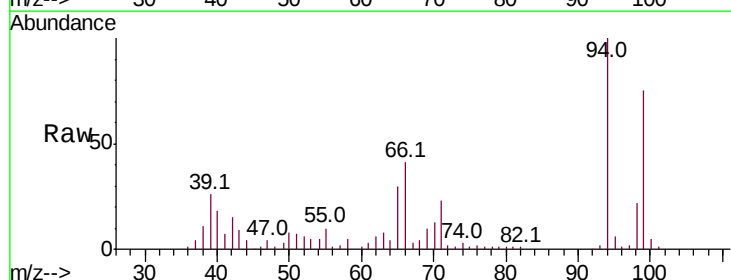
Tgt Ion: 94 Resp: 48975

Ion Ratio Lower Upper

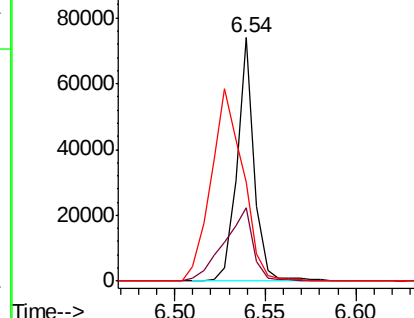
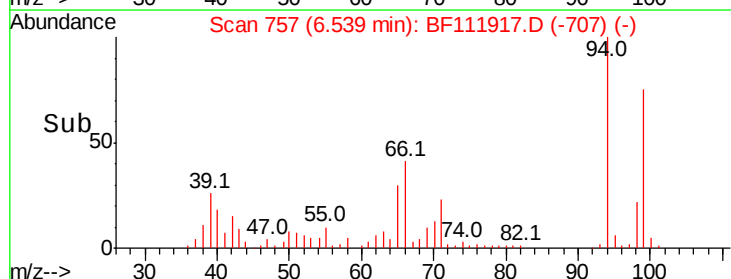
94 100

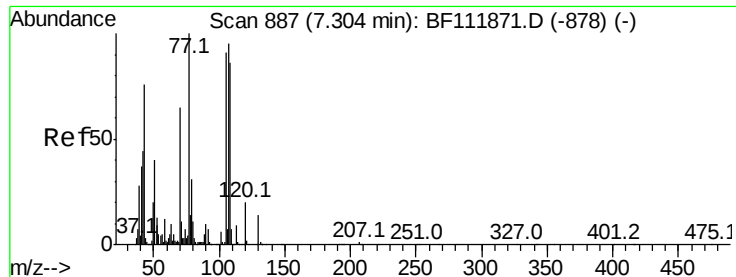
65 30.4 22.8 62.8

66 40.7 43.3 83.3#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
100000 Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.576 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 70 Resp: 86847

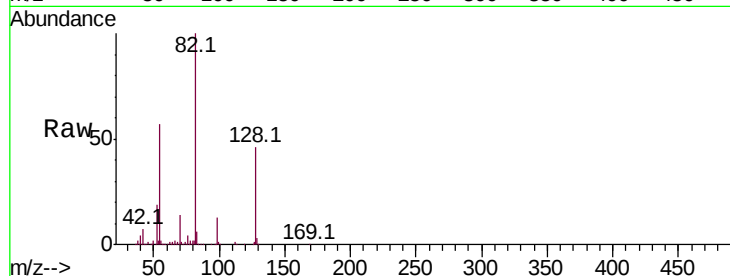
Ion Ratio Lower Upper

70 100

42 54.0 53.6 80.4

101 0.0 7.3 10.9#

130 1.8 16.8 25.2#

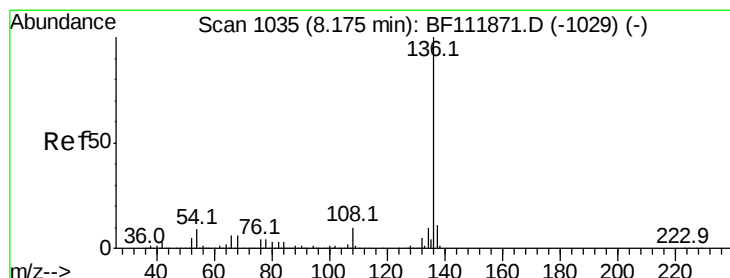
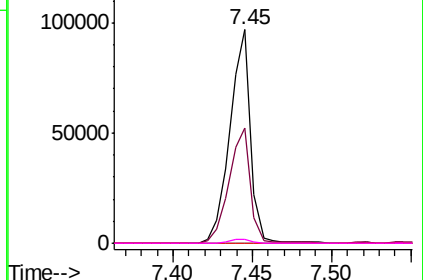
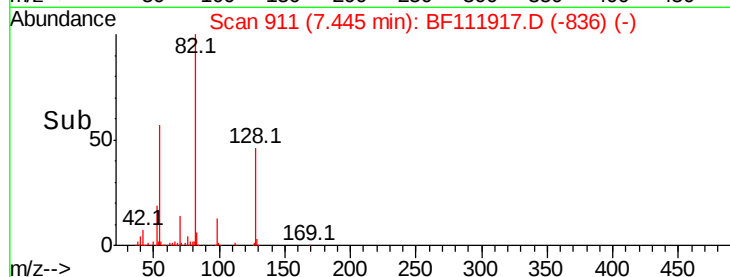


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

Tgt Ion:136 Resp: 491687

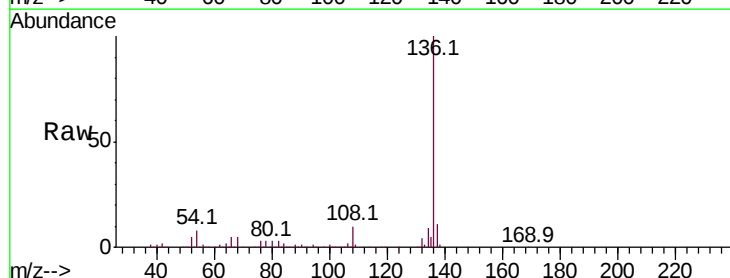
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.5 7.2 10.8

68 5.0 4.4 6.6

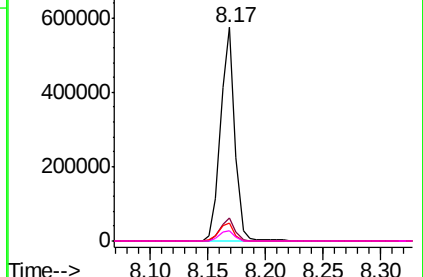
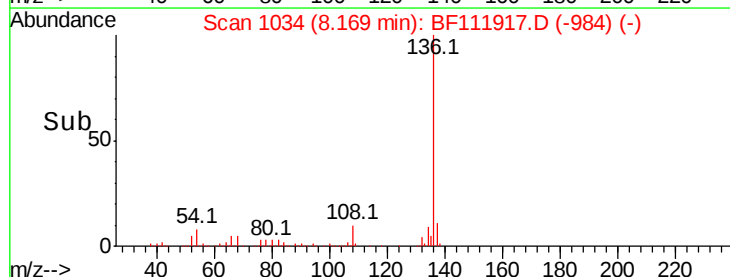


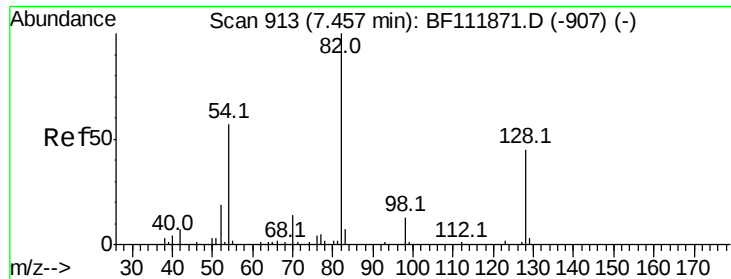
Abundance Ion 136.00 (135.70 to 136.70): E

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

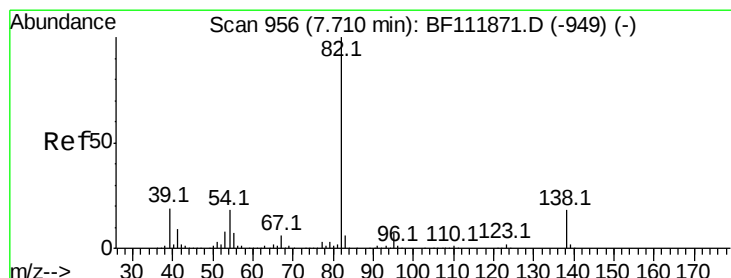
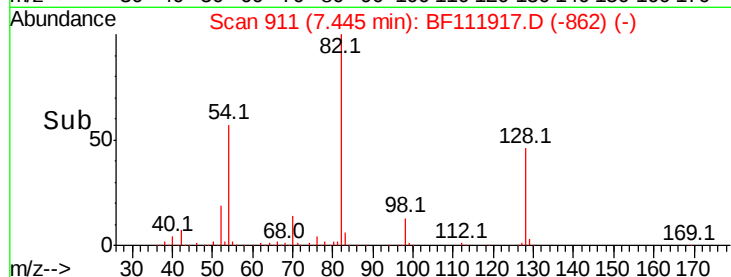
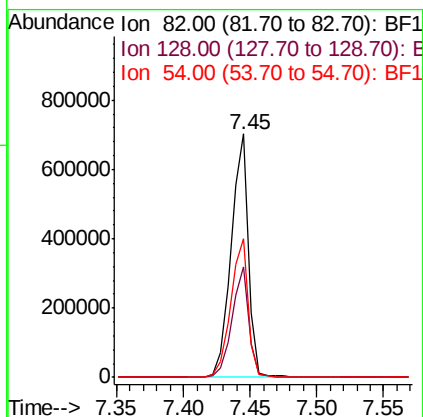
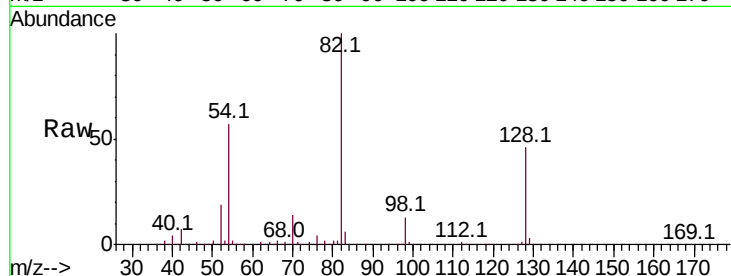




#23  
 Nitrobenzene-d5  
 Concen: 70.084 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF111917.D  
 Acq: 8 Jan 2019 19:50

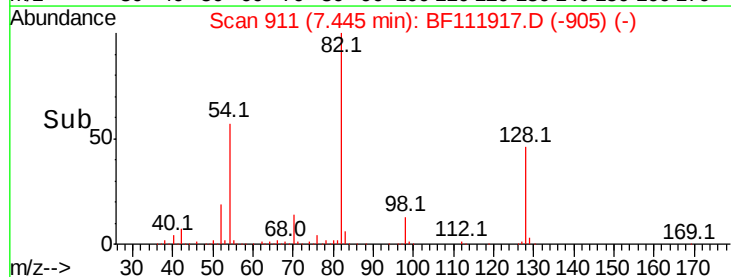
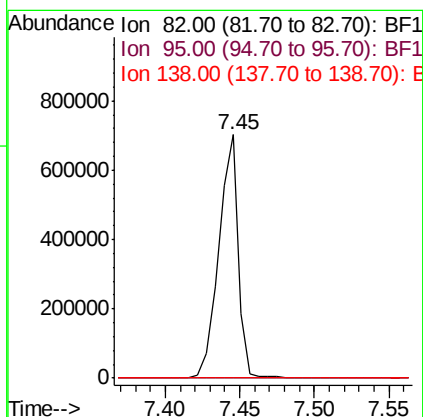
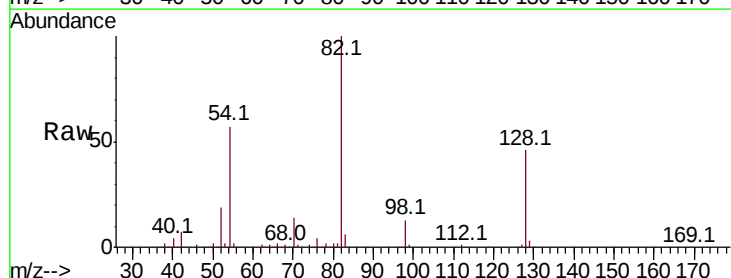
Instrument :  
 BNA\_F  
 ClientSampled :

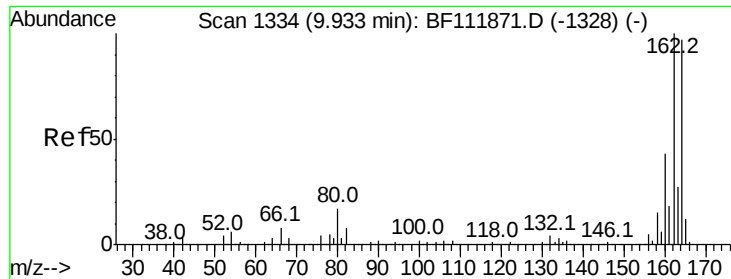
| Tot Ion   | 82   | Resp  | 644761 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.5 | 35.7  | 53.5   |
| 54        | 57.0 | 45.8  | 68.8   |



#25  
 Isophorone  
 Concen: 43.146 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.26 min  
 Lab File: BF111917.D  
 Acq: 8 Jan 2019 19:50

| Tgt Ion   | 82  | Resp  | 642770 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 5.8   | 8.6#   |
| 138       | 0.0 | 14.4  | 21.6#  |

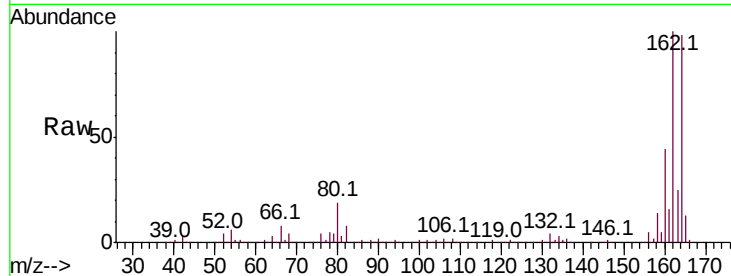




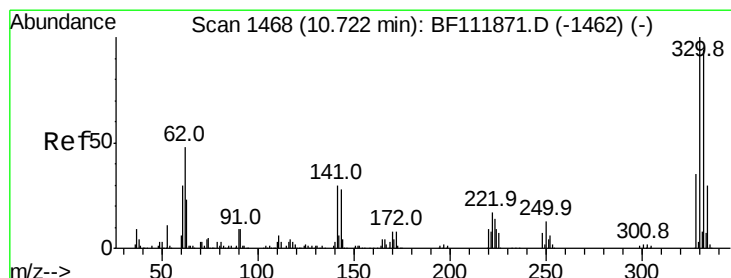
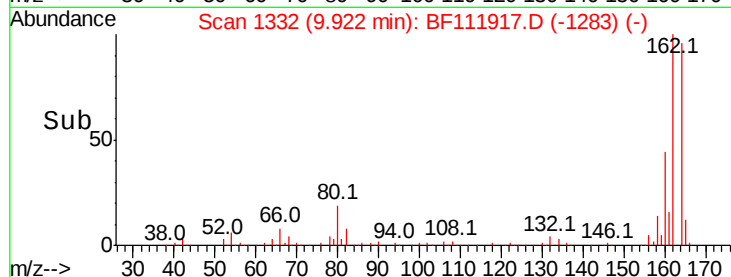
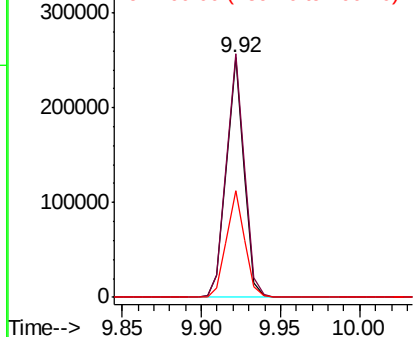
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 195425  
Ion Ratio Lower Upper  
164 100  
162 101.6 82.2 123.2  
160 44.7 35.5 53.3

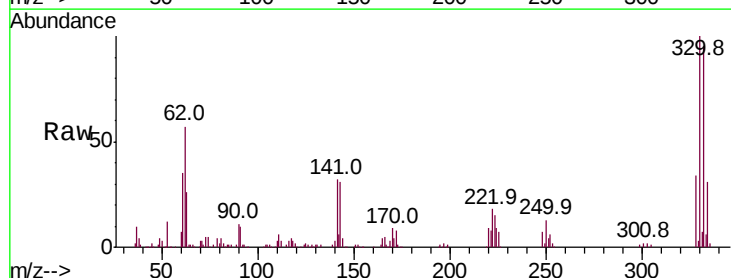


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

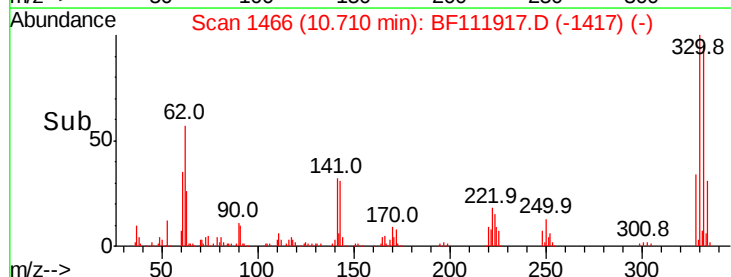
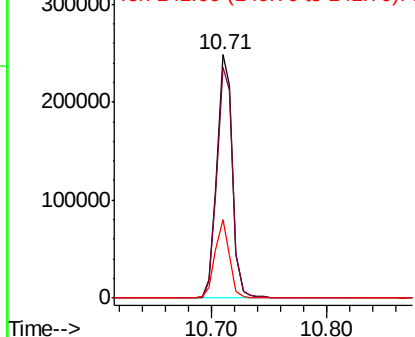


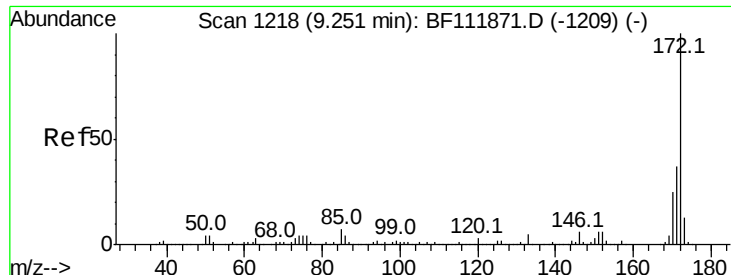
#42  
2,4,6-Tribromophenol  
Concen: 91.139 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Tgt Ion:330 Resp: 231665  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.9 115.3  
141 30.0 23.7 35.5



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

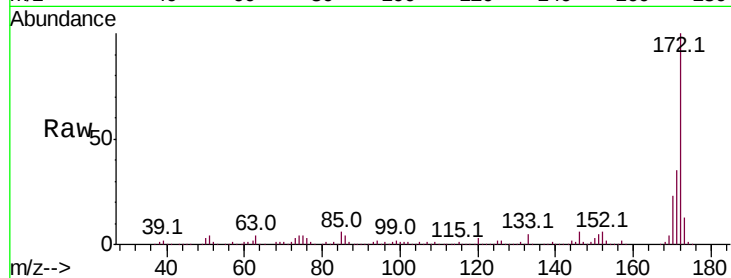




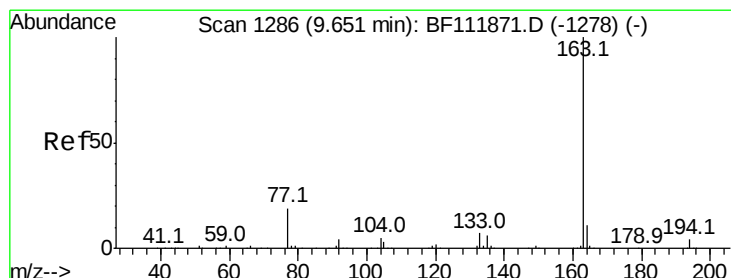
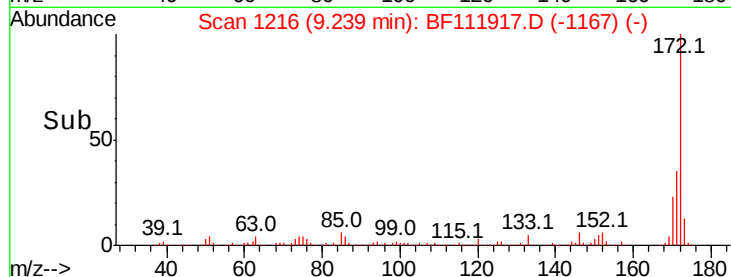
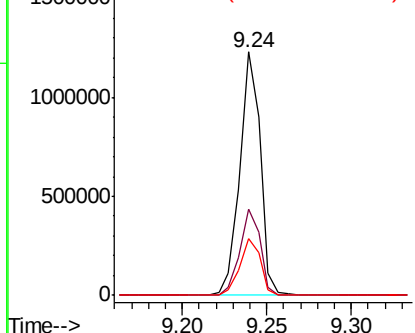
#45  
2-Fluorobiphenyl  
Concen: 77.024 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1032262  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.6 44.4  
170 23.4 19.8 29.8

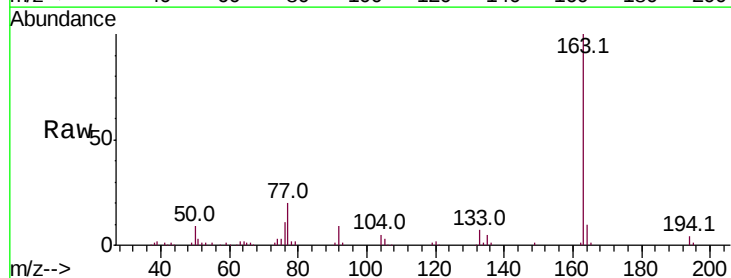


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

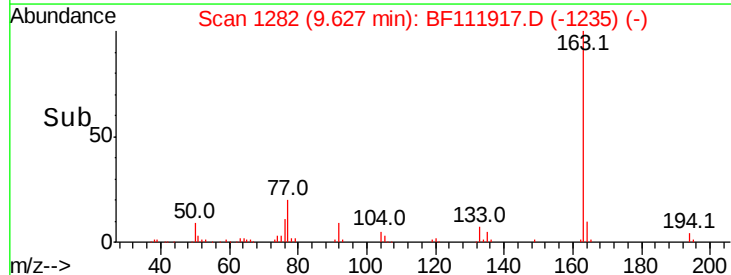
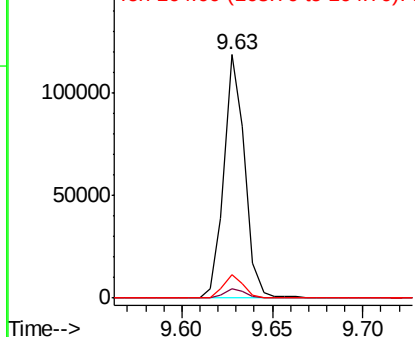


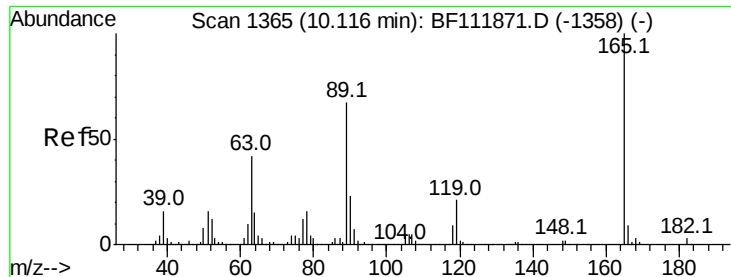
#50  
Dimethylphthalate  
Concen: 6.458 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Tgt Ion:163 Resp: 94802  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.2  
164 9.9 8.5 12.7



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

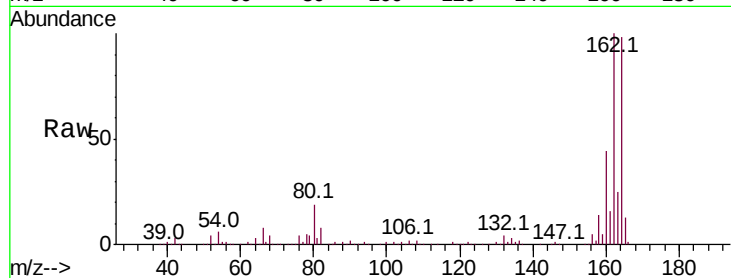




#57  
2,4-Dinitrotoluene  
Concen: 5.795 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.19 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.9   | 34.1  | 51.1# |
| 89      | 1.4   | 53.5  | 80.3# |
| 182     | 0.0   | 2.0   | 3.0#  |



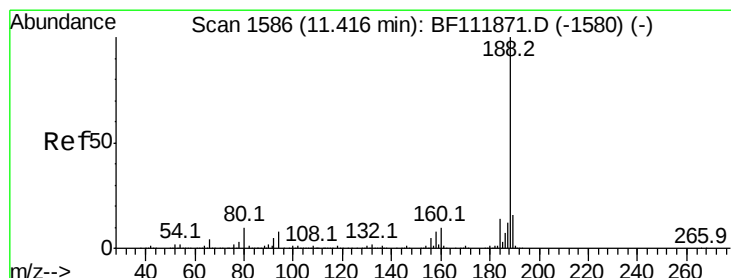
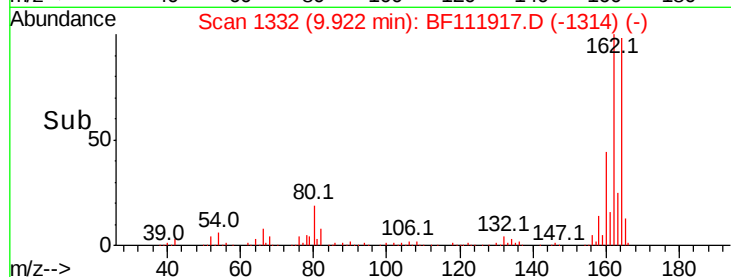
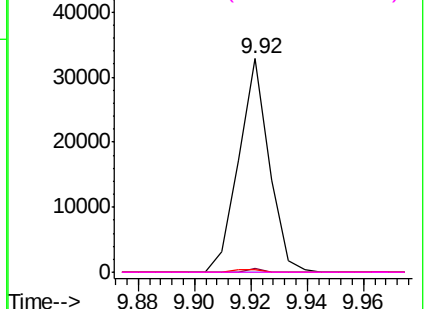
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

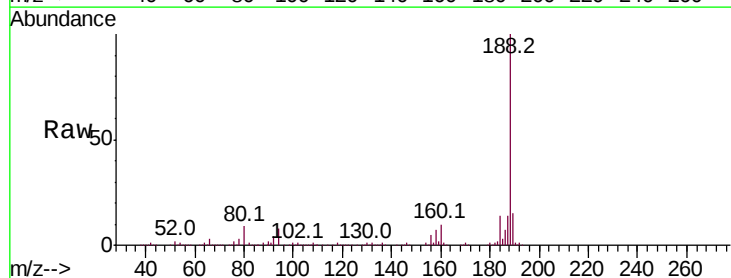
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 6.6   | 10.0  |
| 80      | 8.9   | 7.7   | 11.5  |

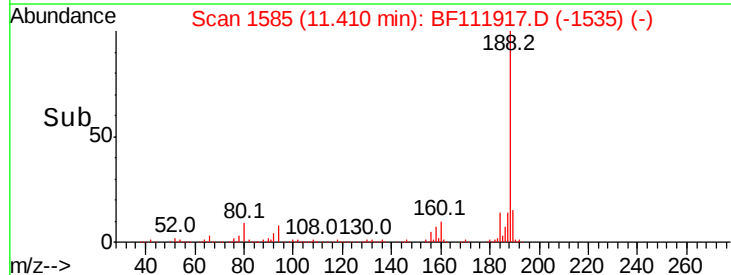
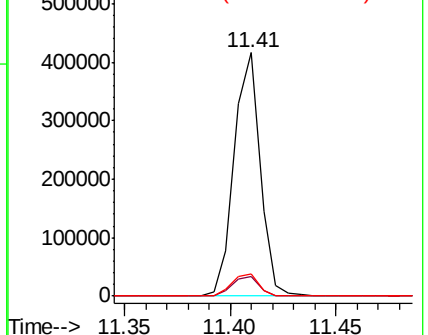


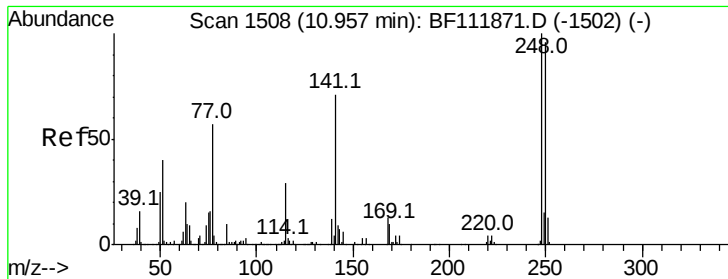
Abundance

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

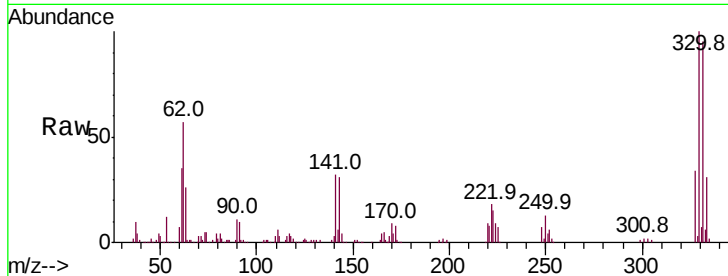




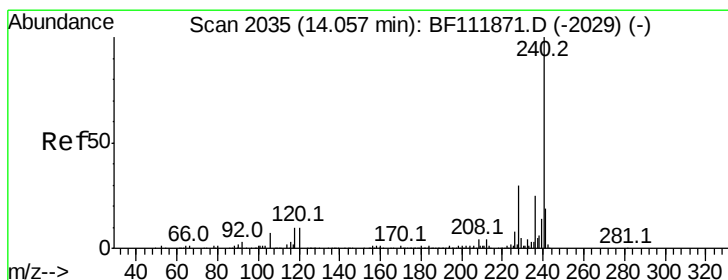
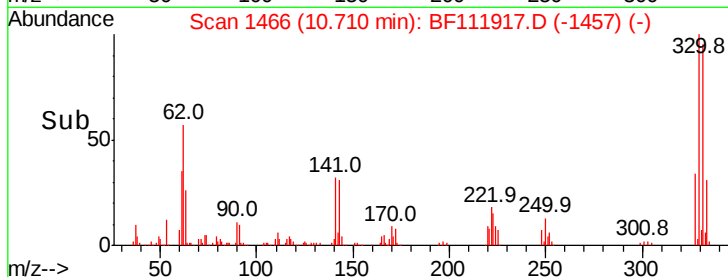
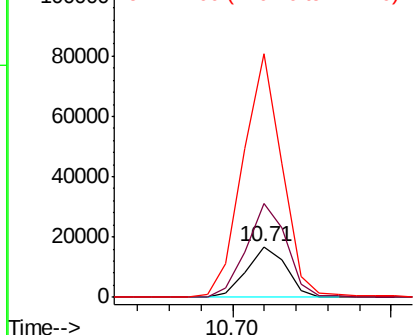
#67  
4-Bromophenyl-phenylether  
Concen: 3.173 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.25 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 14547  
Ion Ratio Lower Upper  
248 100  
250 185.5 76.8 115.2#  
141 480.5 57.0 85.6#

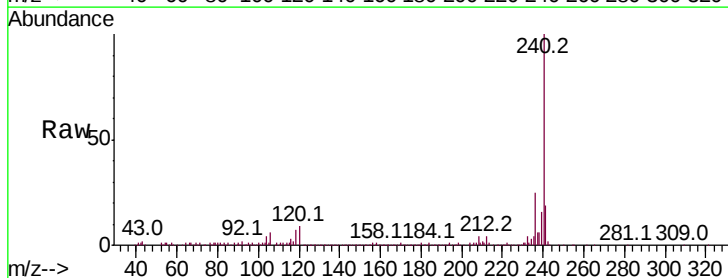


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

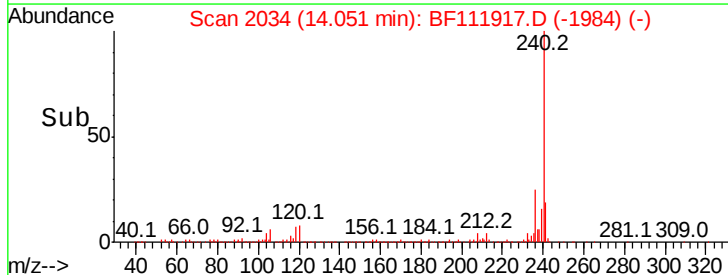
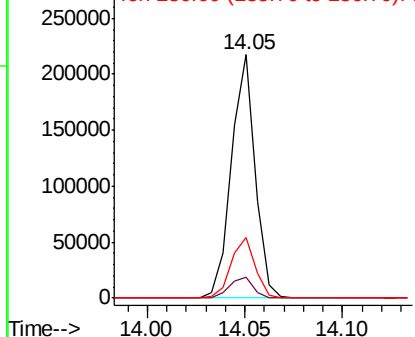


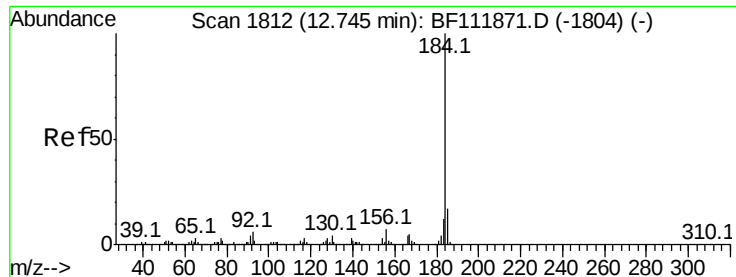
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Tgt Ion:240 Resp: 183681  
Ion Ratio Lower Upper  
240 100  
120 8.5 8.2 12.2  
236 25.0 20.2 30.4



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





#77

Benzidine

Concen: 2.137 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.25 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

Instrument :

BNA\_F

ClientSampleId :

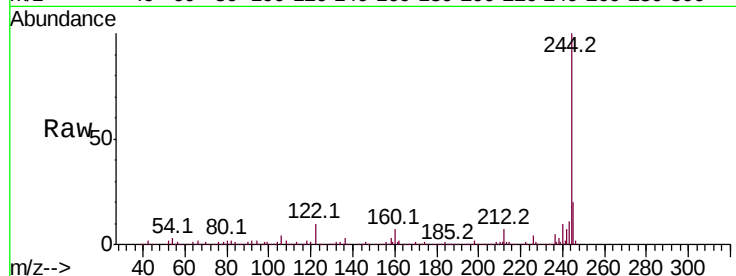
Tot Ion:184 Resp: 11728

Ion Ratio Lower Upper

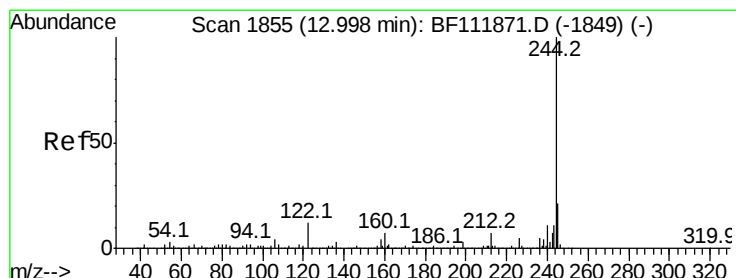
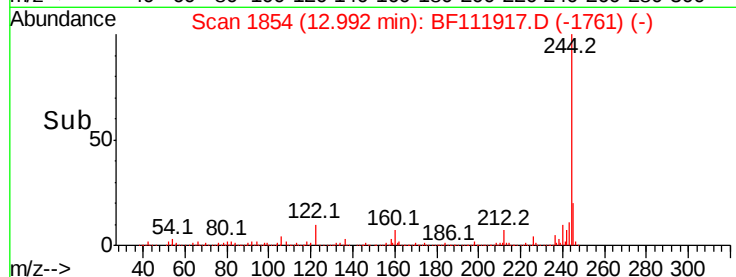
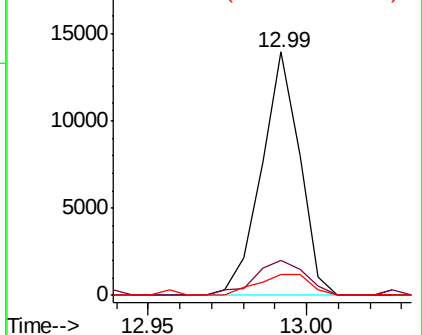
184 100

185 14.5 13.4 20.0

183 8.4 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.808 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111917.D

Acq: 8 Jan 2019 19:50

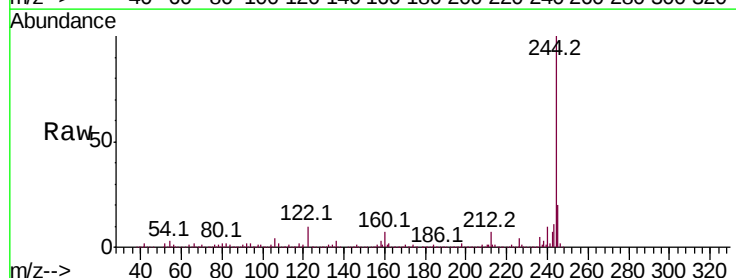
Tgt Ion:244 Resp: 907735

Ion Ratio Lower Upper

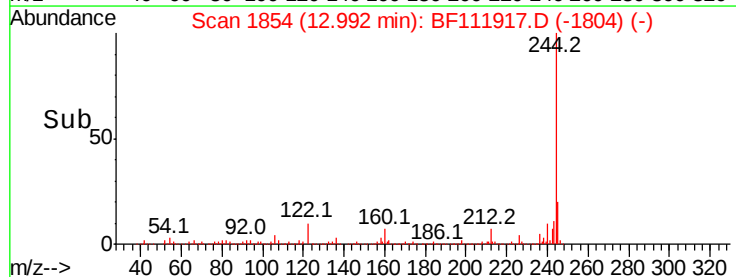
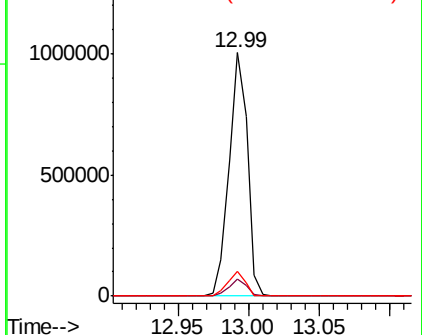
244 100

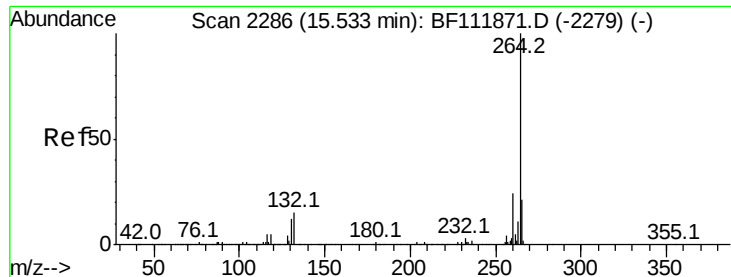
212 6.9 5.8 8.8

122 10.3 9.5 14.3



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





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.53 min Scan# 2286  
Delta R.T. -0.00 min  
Lab File: BF111917.D  
Acq: 8 Jan 2019 19:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.2  | 28.8  |
| 265     | 20.5  | 17.1  | 25.7  |

