

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\  
 Data File : BF109955.D  
 Acq On : 18 Oct 2018 12:31  
 Operator : JU/SJ  
 Sample : J5577-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 19 02:21:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 14:58:24 2018  
 Response via : Initial Calibration

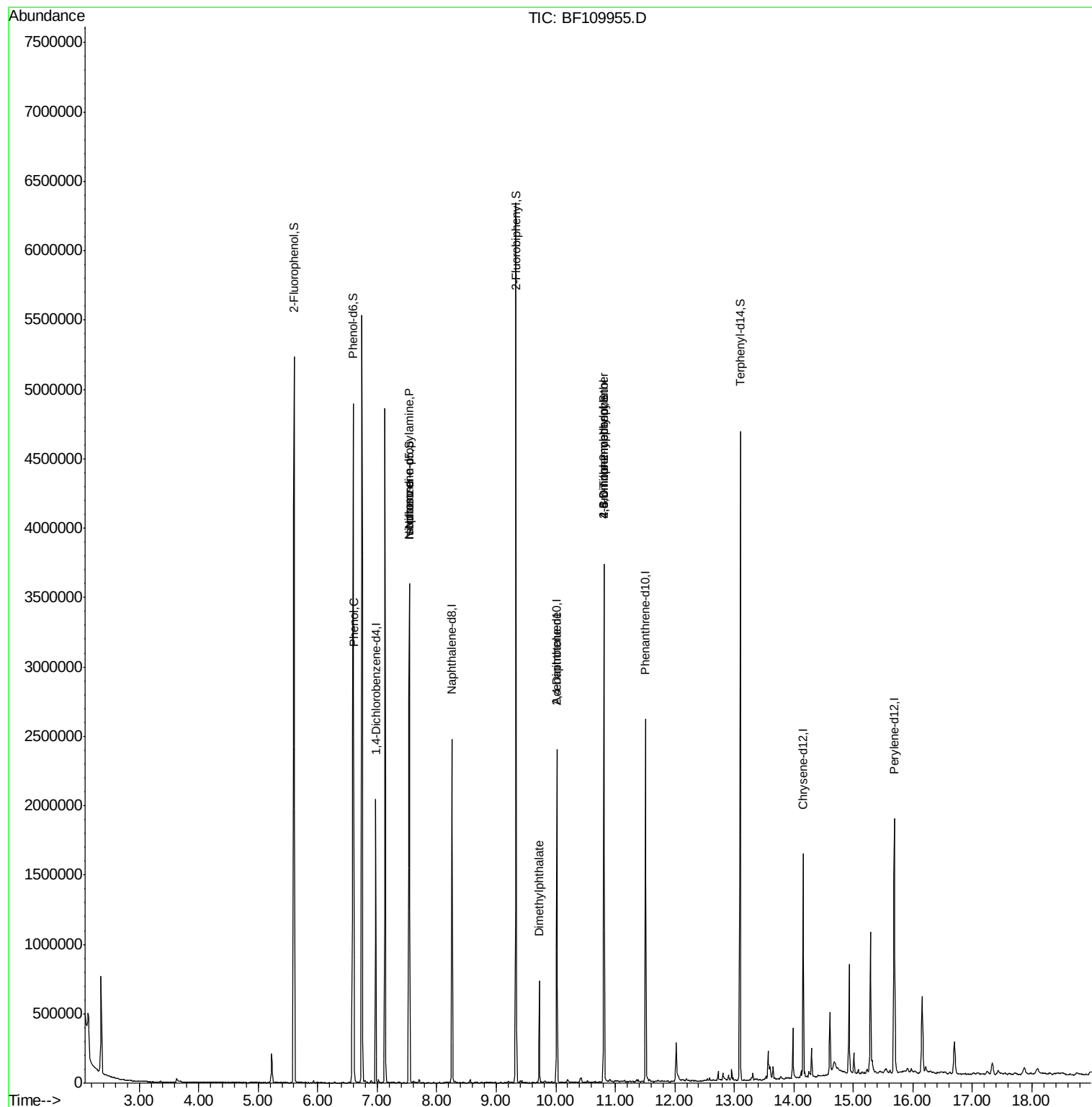
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 277373   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.26  | 136  | 1101824  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 10.02 | 164  | 501915   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.51 | 188  | 878316   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.16 | 240  | 508047   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.69 | 264  | 513010   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 1533896  | 87.66  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 1920122  | 88.37  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.54  | 82   | 1200839  | 73.42  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.81 | 330  | 431093   | 99.21  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.33  | 172  | 1981297  | 62.99  | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.10 | 244  | 1520724  | 62.86  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.61  | 94   | 205815   | 8.773  | ng    | # 58     |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 160274   | 11.488 | ng    | # 79     |
| 25) Isophorone                 | 7.54  | 82   | 1200816  | 37.364 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.72  | 163  | 257097   | 7.234  | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 65324    | 11.512 | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylphenol | 10.81 | 198  | 1024     | 8.173  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.81 | 248  | 27855    | 2.926  | ng    | # 1      |

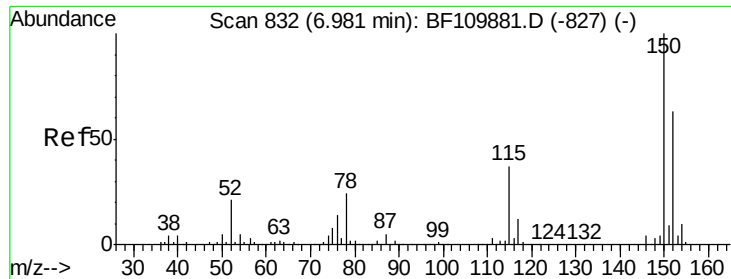
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\  
Data File : BF109955.D  
Acq On : 18 Oct 2018 12:31  
Operator : JU/SJ  
Sample : J5577-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Oct 19 02:21:29 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 16 14:58:24 2018  
Response via : Initial Calibration



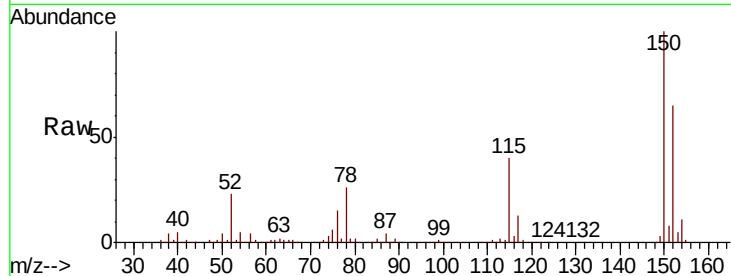


#1

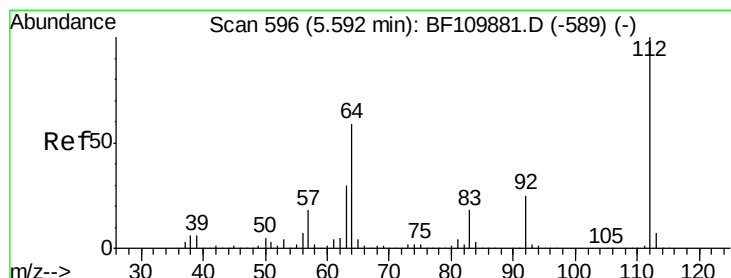
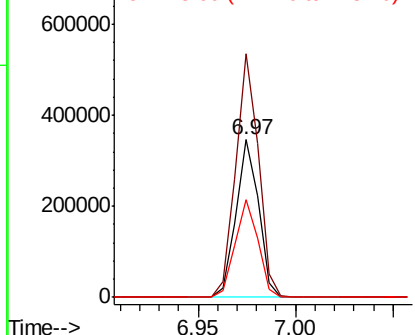
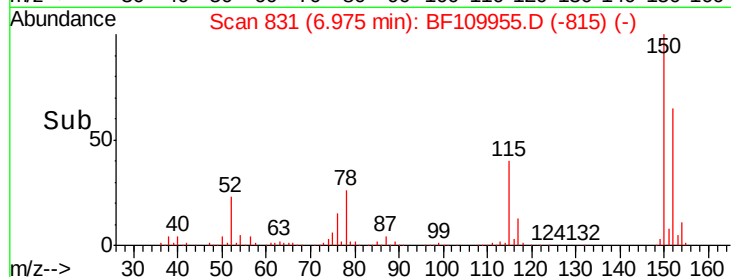
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 277373  
Ion Ratio Lower Upper  
152 100  
150 154.6 122.7 184.1  
115 61.7 49.1 73.7



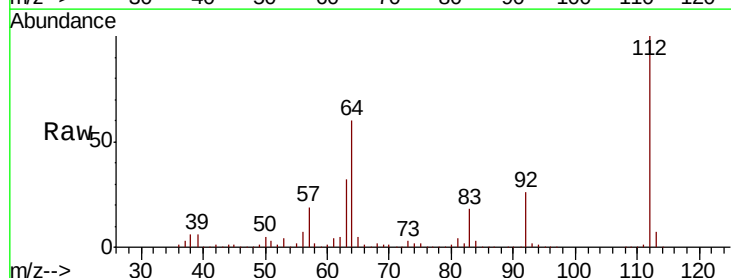
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



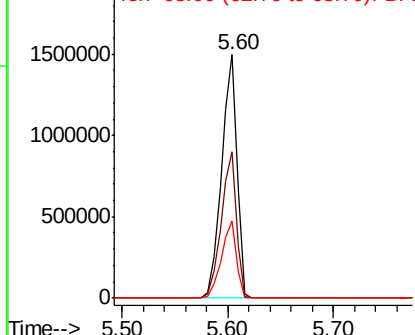
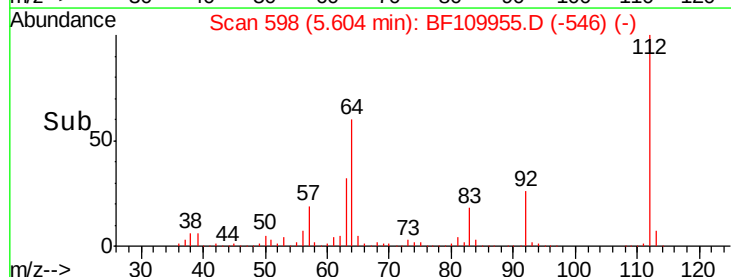
#5

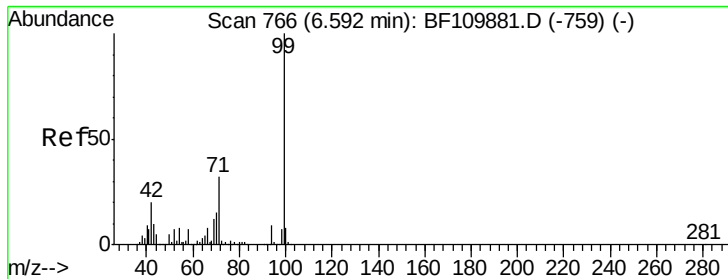
2-Fluorophenol  
Concen: 87.659 ng  
RT: 5.60 min Scan# 598  
Delta R.T. 0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Tgt Ion:112 Resp: 1533896  
Ion Ratio Lower Upper  
112 100  
64 60.3 44.1 66.1  
63 31.6 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: 88.369 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109955.D

Acq: 18 Oct 2018 12:31

Instrument :

BNA\_F

ClientSampleId :

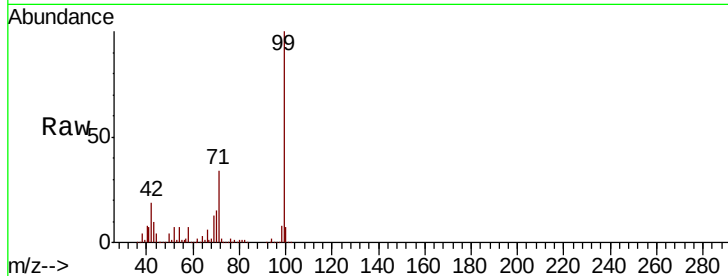
Tot Ion: 99 Resp: 1920122

Ion Ratio Lower Upper

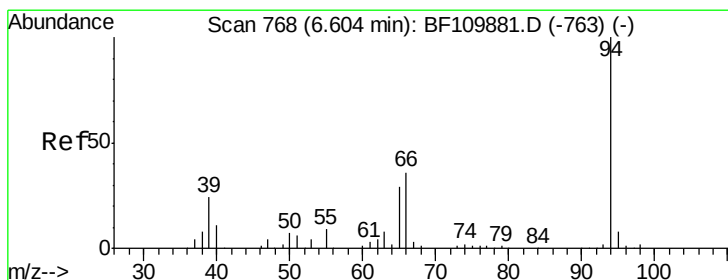
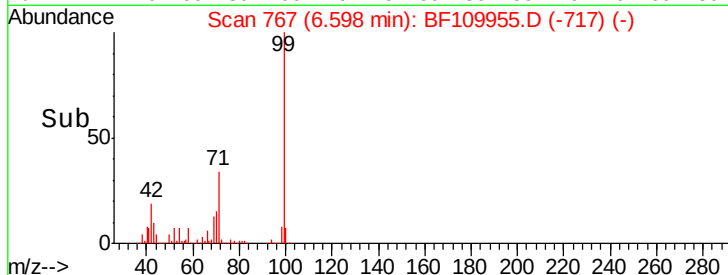
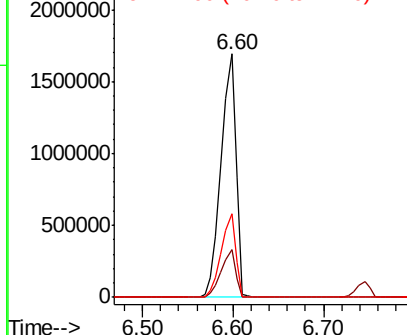
99 100

42 19.4 15.8 23.6

71 34.4 28.0 42.0



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



#10

Phenol

Concen: 8.773 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109955.D

Acq: 18 Oct 2018 12:31

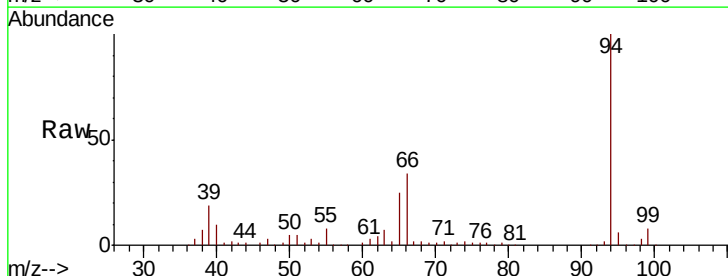
Tgt Ion: 94 Resp: 205815

Ion Ratio Lower Upper

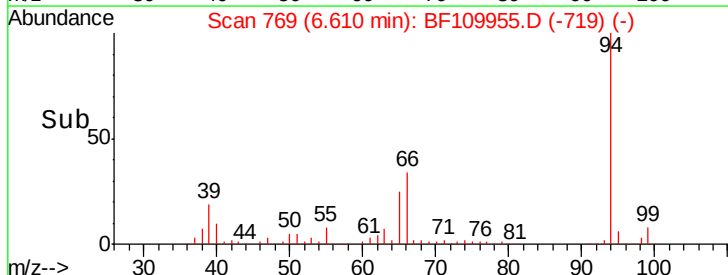
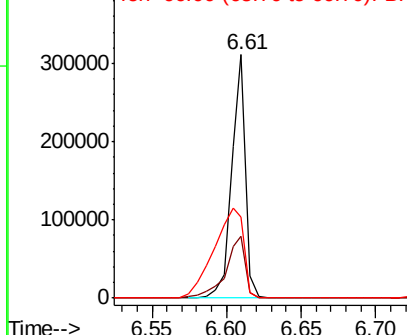
94 100

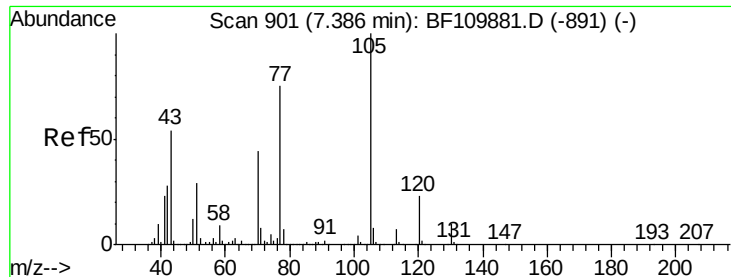
65 25.4 25.3 65.3

66 33.5 54.5 94.5#



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

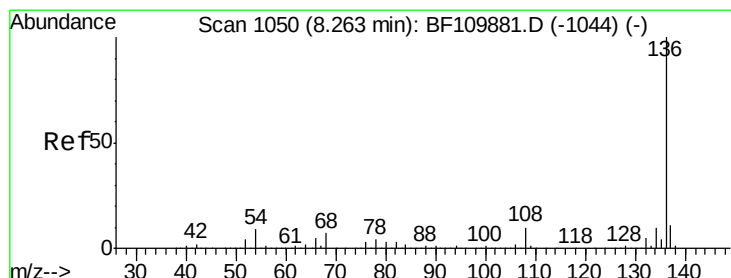
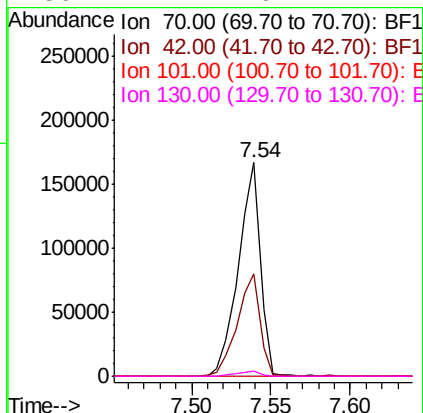
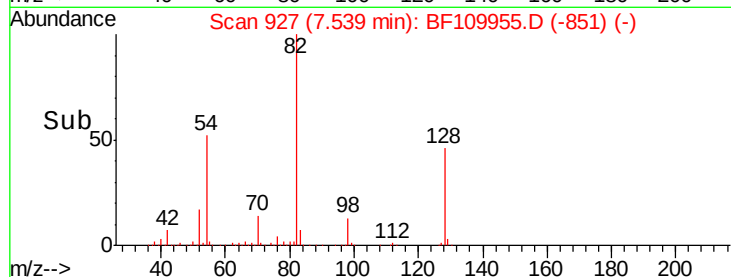
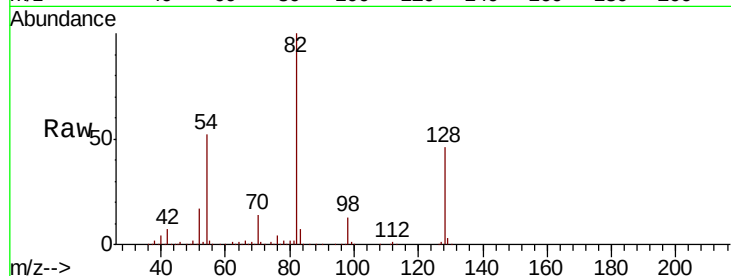




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.488 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.15 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

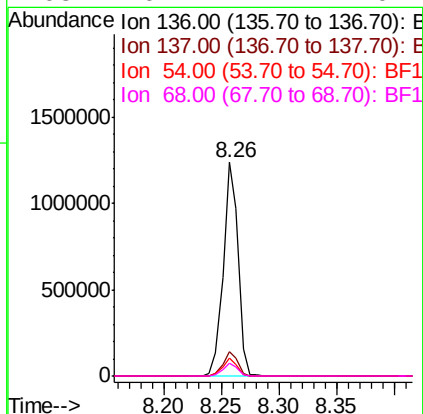
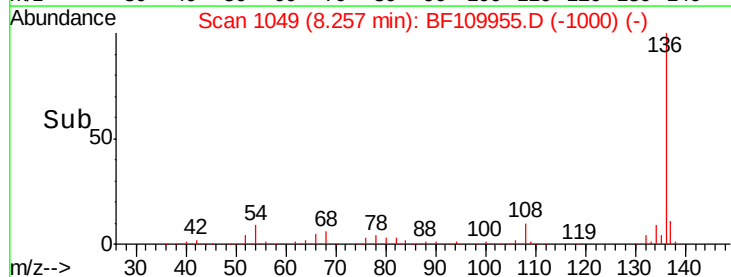
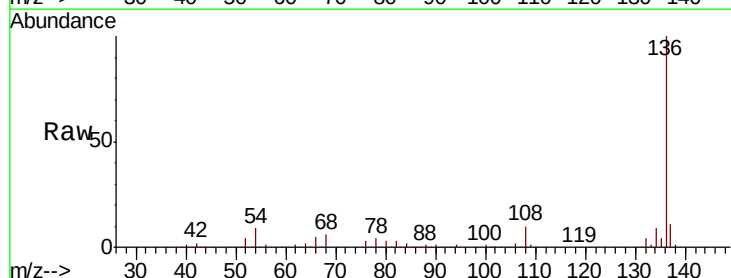
Instrument :  
BNA\_F  
ClientSampled :

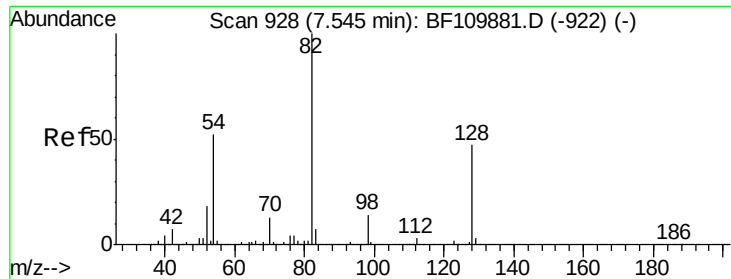
Tot Ion: 70 Resp: 160274  
Ion Ratio Lower Upper  
70 100  
42 48.2 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.4 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Tgt Ion:136 Resp: 1101824  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 8.6 5.4 8.2#  
68 6.1 4.2 6.2

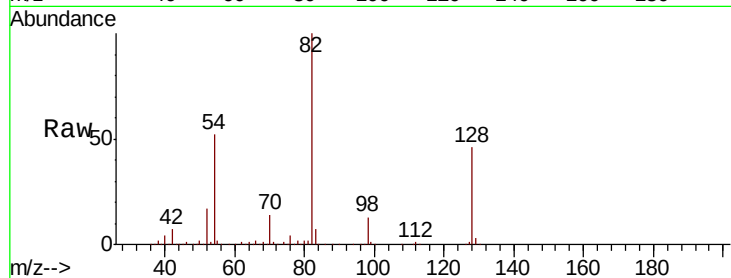




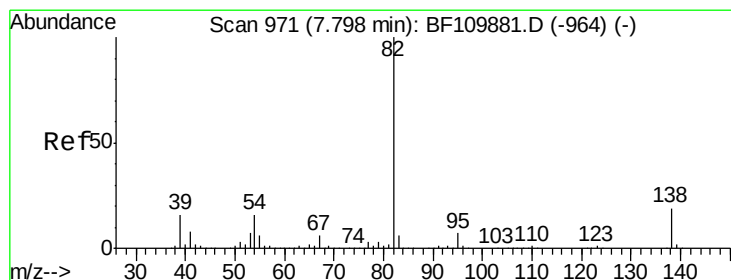
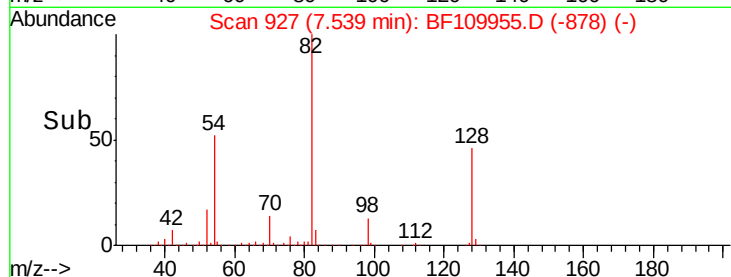
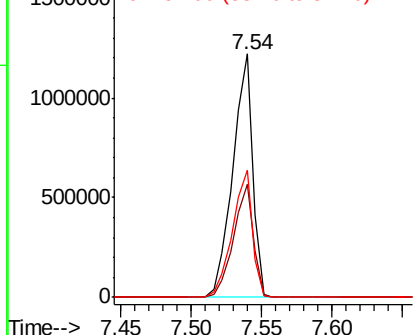
#23  
Nitrobenzene-d5  
Concen: 73.418 ng  
RT: 7.54 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1200839  
Ion Ratio Lower Upper  
82 100  
128 46.5 34.2 51.2  
54 52.2 38.6 58.0

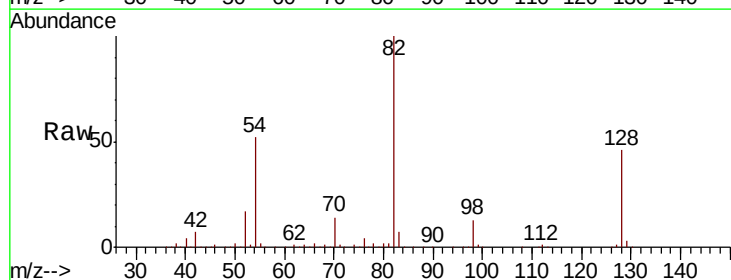


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

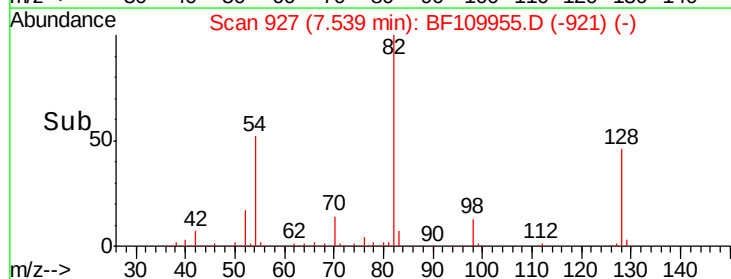
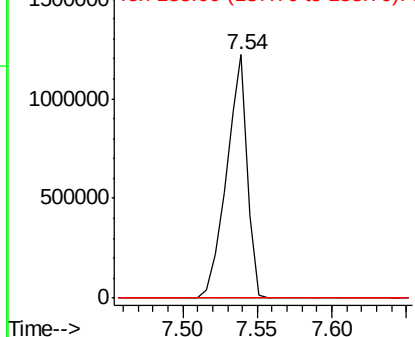


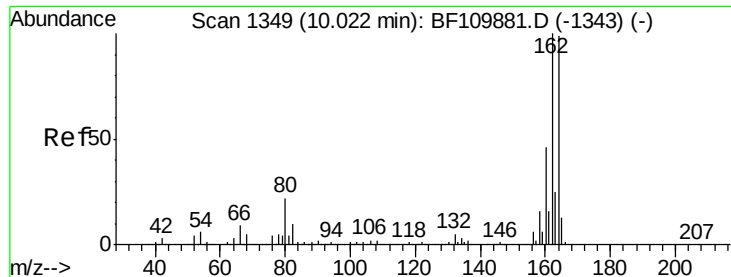
#25  
Isophorone  
Concen: 37.364 ng  
RT: 7.54 min Scan# 927  
Delta R.T. -0.26 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Tgt Ion: 82 Resp: 1200816  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.2 19.8#



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

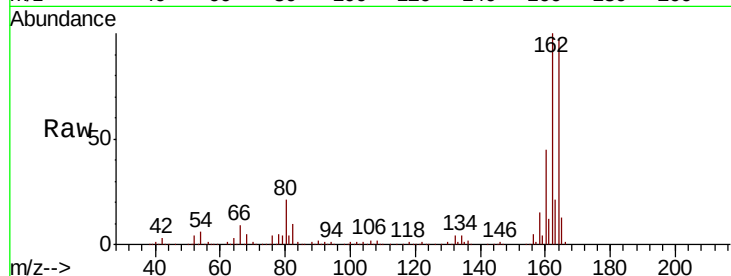




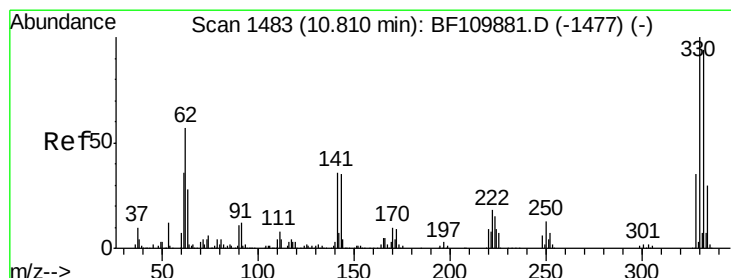
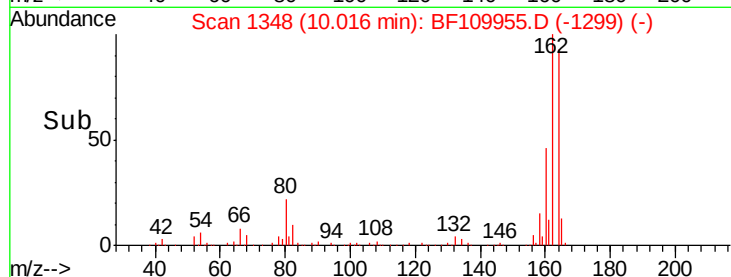
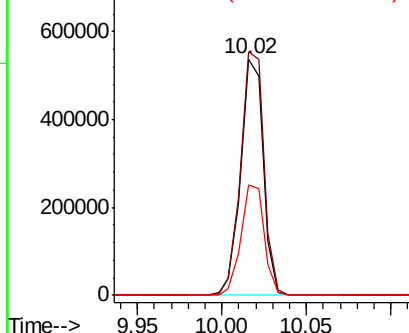
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 83.0  | 124.6 |
| 160     | 46.9  | 37.0  | 55.6  |

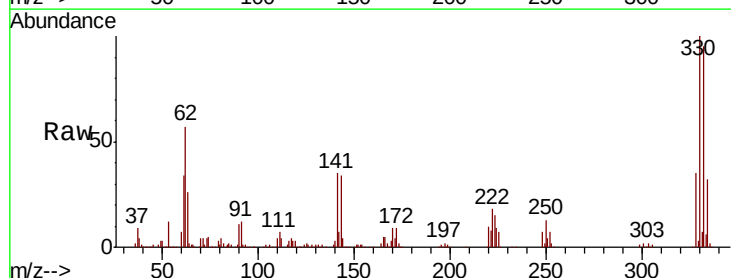


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

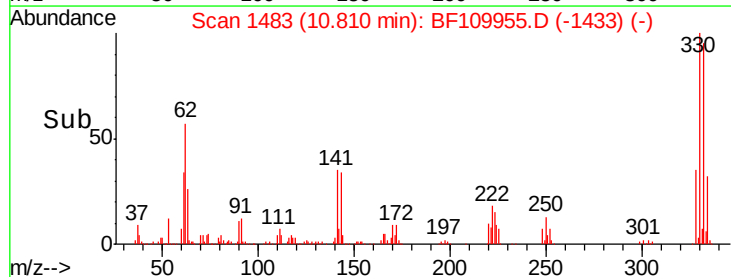
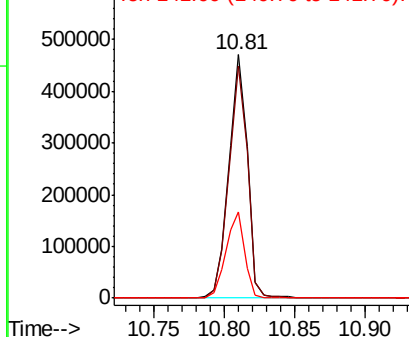


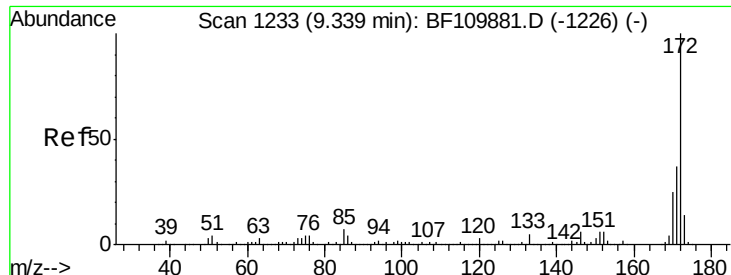
#42  
2,4,6-Tribromophenol  
Concen: 99.206 ng  
RT: 10.81 min Scan# 1483  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.1  | 115.7 |
| 141     | 35.7  | 27.0  | 40.4  |



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

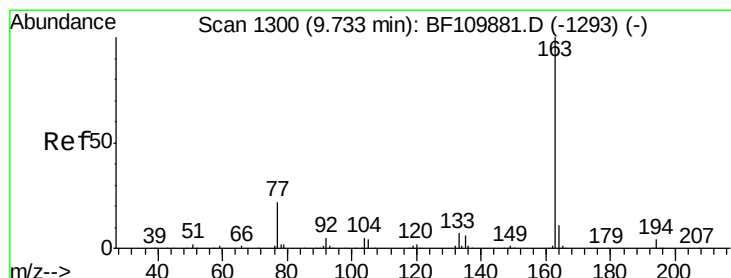
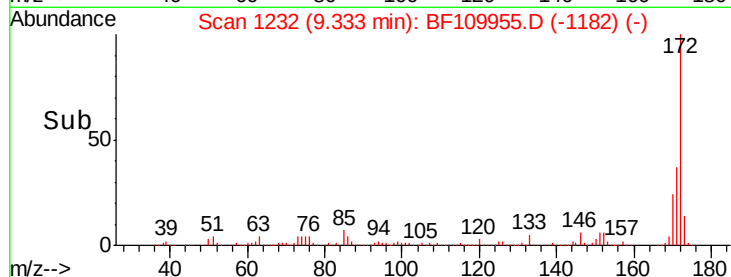
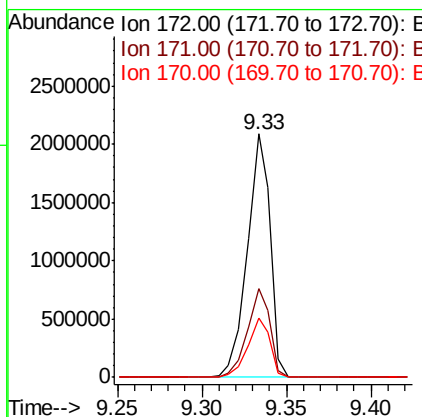
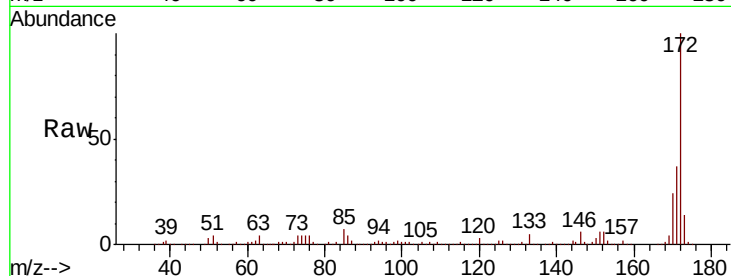




#45  
2-Fluorobiphenyl  
Concen: 62.988 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

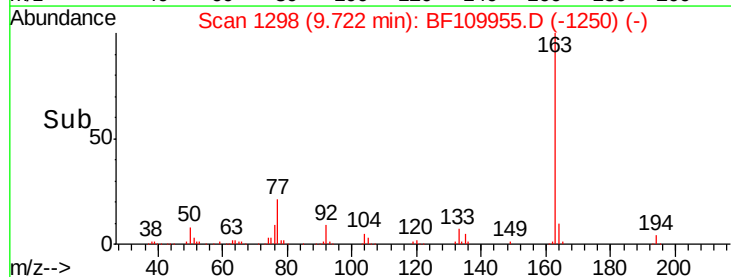
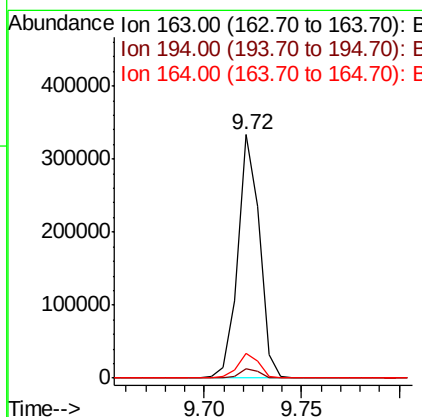
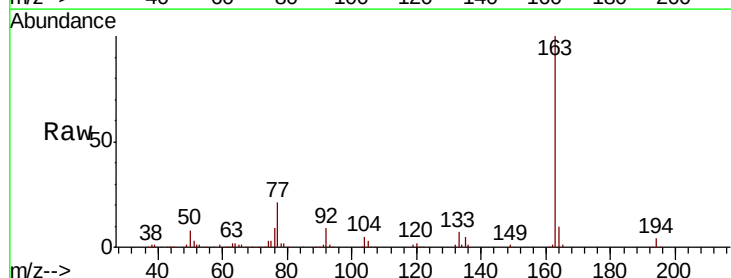
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 1981297  
Ion Ratio Lower Upper  
172 100  
171 36.6 28.6 43.0  
170 24.3 19.7 29.5

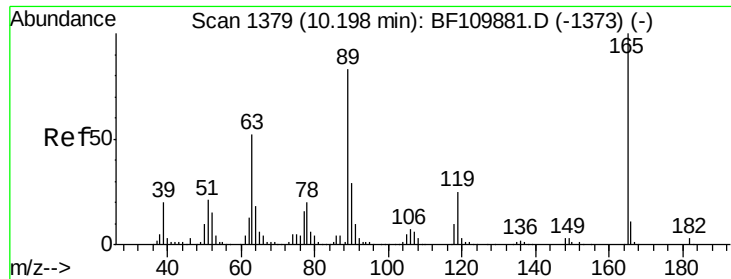


#50  
Dimethylphthalate  
Concen: 7.234 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Tgt Ion:163 Resp: 257097  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.2 4.8  
164 10.4 8.1 12.1



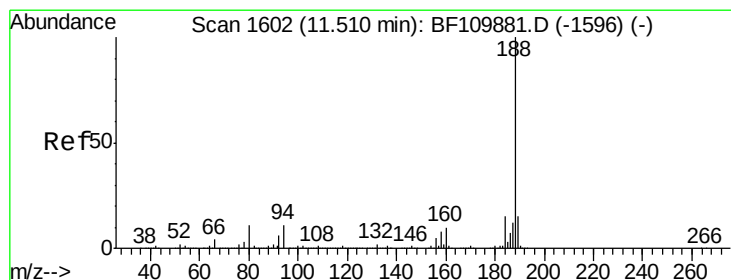
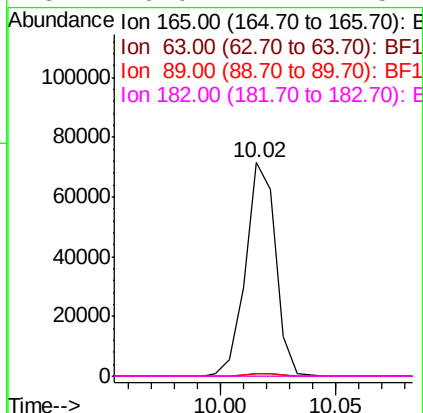
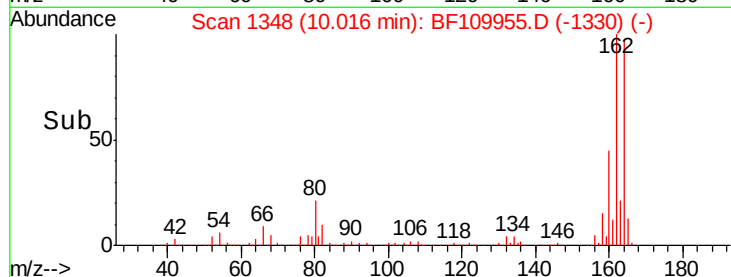
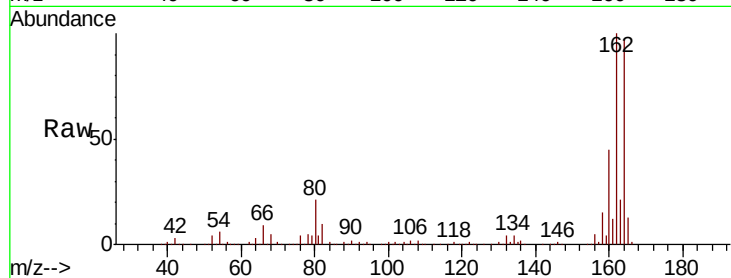




#57  
2,4-Dinitrotoluene  
Concen: 11.512 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.19 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

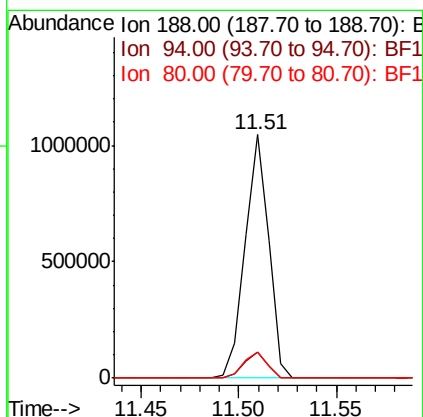
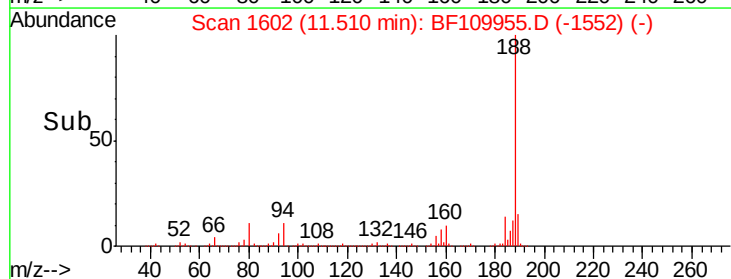
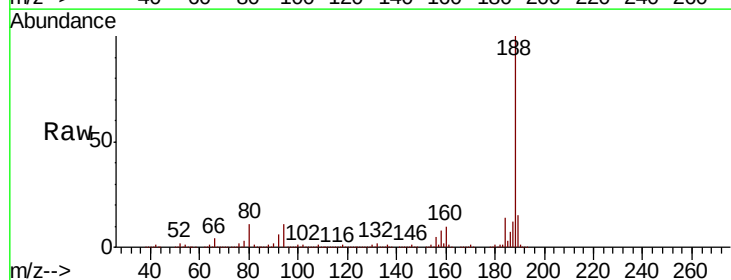
Instrument :  
BNA\_F  
ClientSampleId :

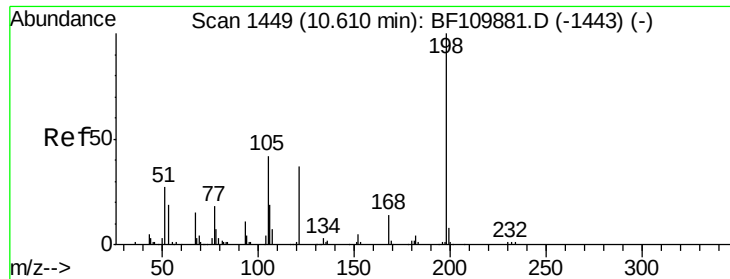
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 44.8  | 67.2# |
| 89      | 1.2   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1602  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.5  | 7.2   | 10.8  |
| 80      | 10.8  | 7.9   | 11.9  |

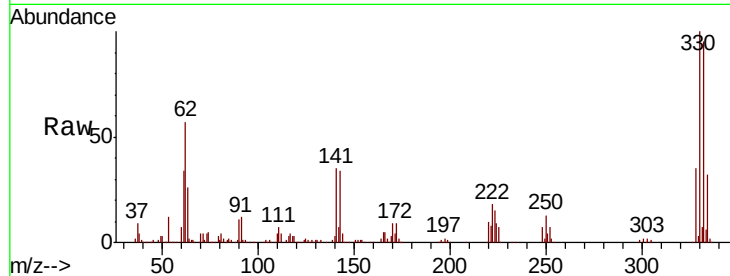




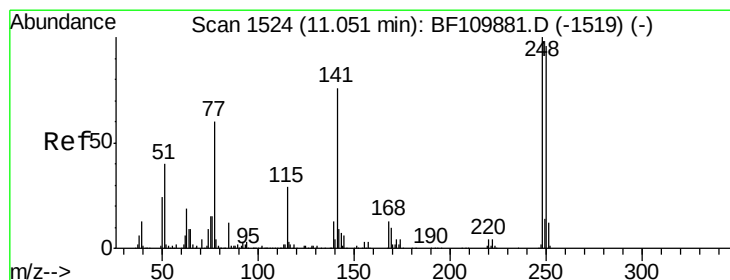
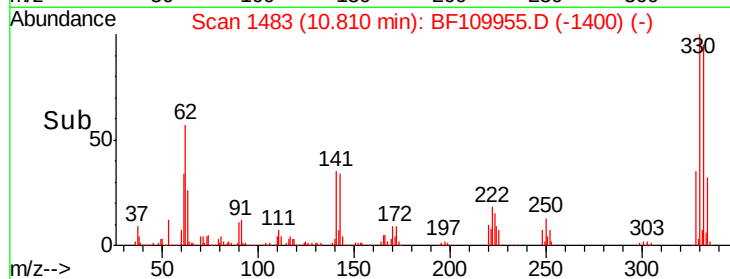
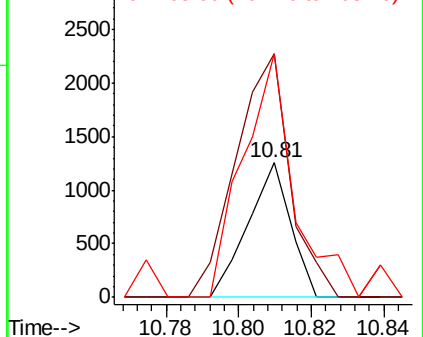
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.173 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. 0.19 min  
 Lab File: BF109955.D  
 Acq: 18 Oct 2018 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 180.9 | 22.8  | 62.8# |
| 105     | 181.2 | 23.6  | 63.6# |

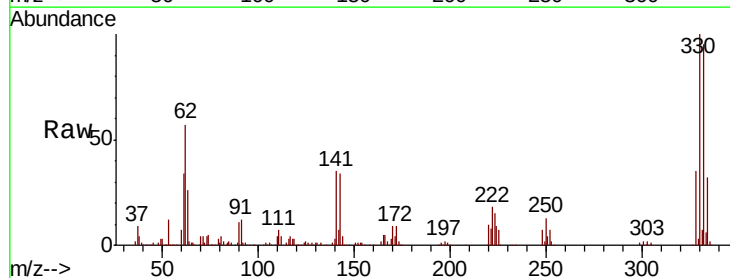


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

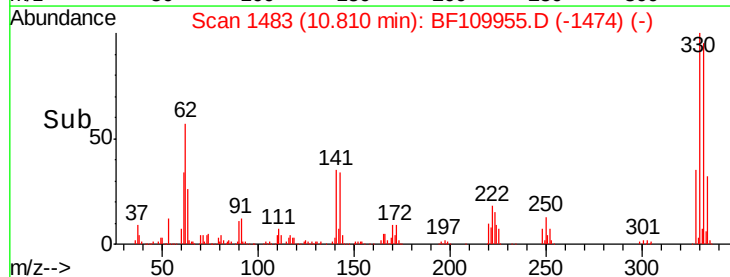
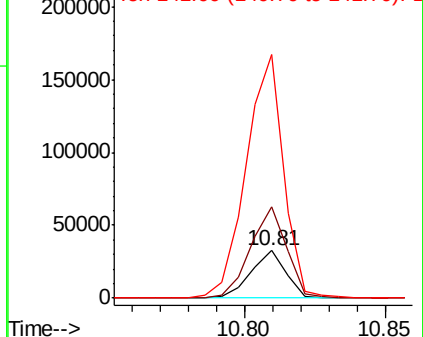


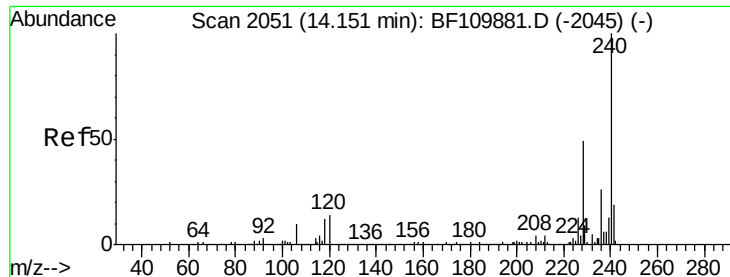
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.926 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. -0.25 min  
 Lab File: BF109955.D  
 Acq: 18 Oct 2018 12:31

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 192.9 | 79.4  | 119.2# |
| 141     | 512.8 | 55.9  | 83.9#  |



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

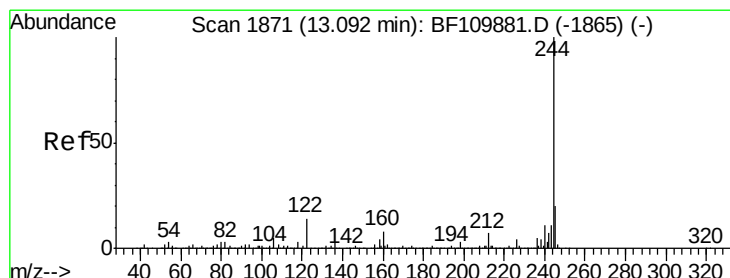
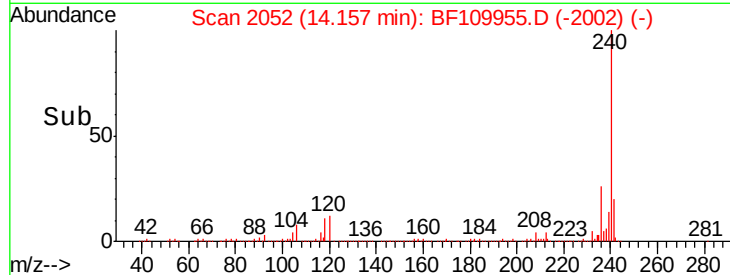
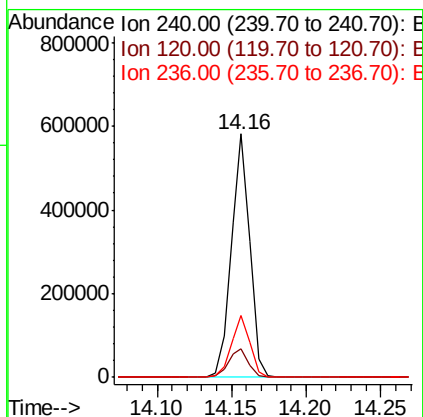
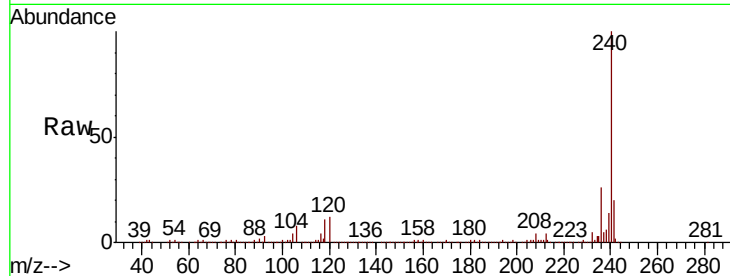




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.16 min Scan# 2052  
 Delta R.T. -0.01 min  
 Lab File: BF109955.D  
 Acq: 18 Oct 2018 12:31

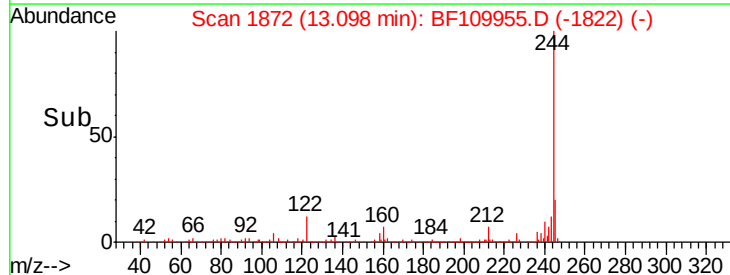
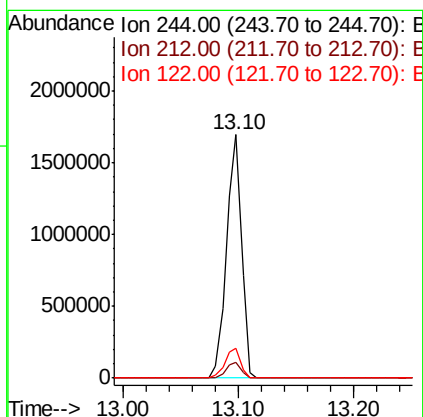
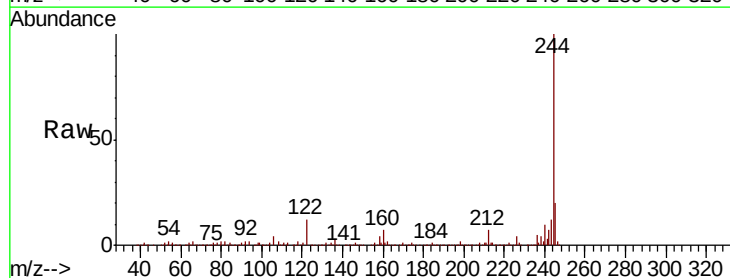
Instrument :  
 BNA\_F  
 ClientSampleId :

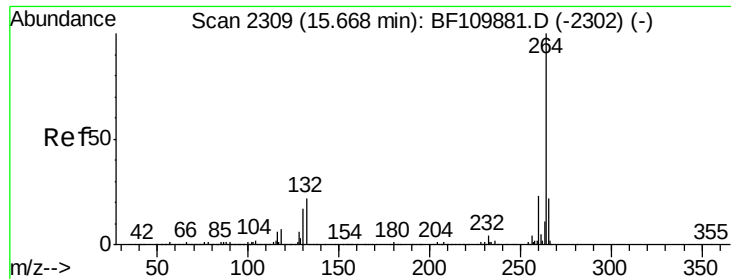
Tot Ion:240 Resp: 508047  
 Ion Ratio Lower Upper  
 240 100  
 120 11.8 8.3 12.5  
 236 25.6 21.2 31.8



#79  
 Terphenyl-d14  
 Concen: 62.857 ng  
 RT: 13.10 min Scan# 1872  
 Delta R.T. -0.01 min  
 Lab File: BF109955.D  
 Acq: 18 Oct 2018 12:31

Tgt Ion:244 Resp: 1520724  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.8 8.8  
 122 12.4 8.7 13.1

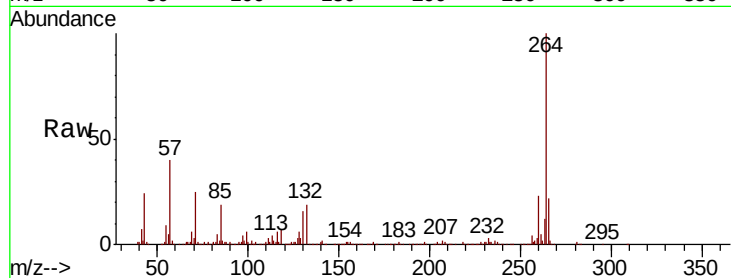




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2312  
Delta R.T. -0.01 min  
Lab File: BF109955.D  
Acq: 18 Oct 2018 12:31

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.7  | 28.1  |
| 265     | 22.2  | 16.7  | 25.1  |



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

