

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\  
 Data File : BF110061.D  
 Acq On : 22 Oct 2018 20:47  
 Operator : JU/SJ  
 Sample : J5605-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 23 02:11:15 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

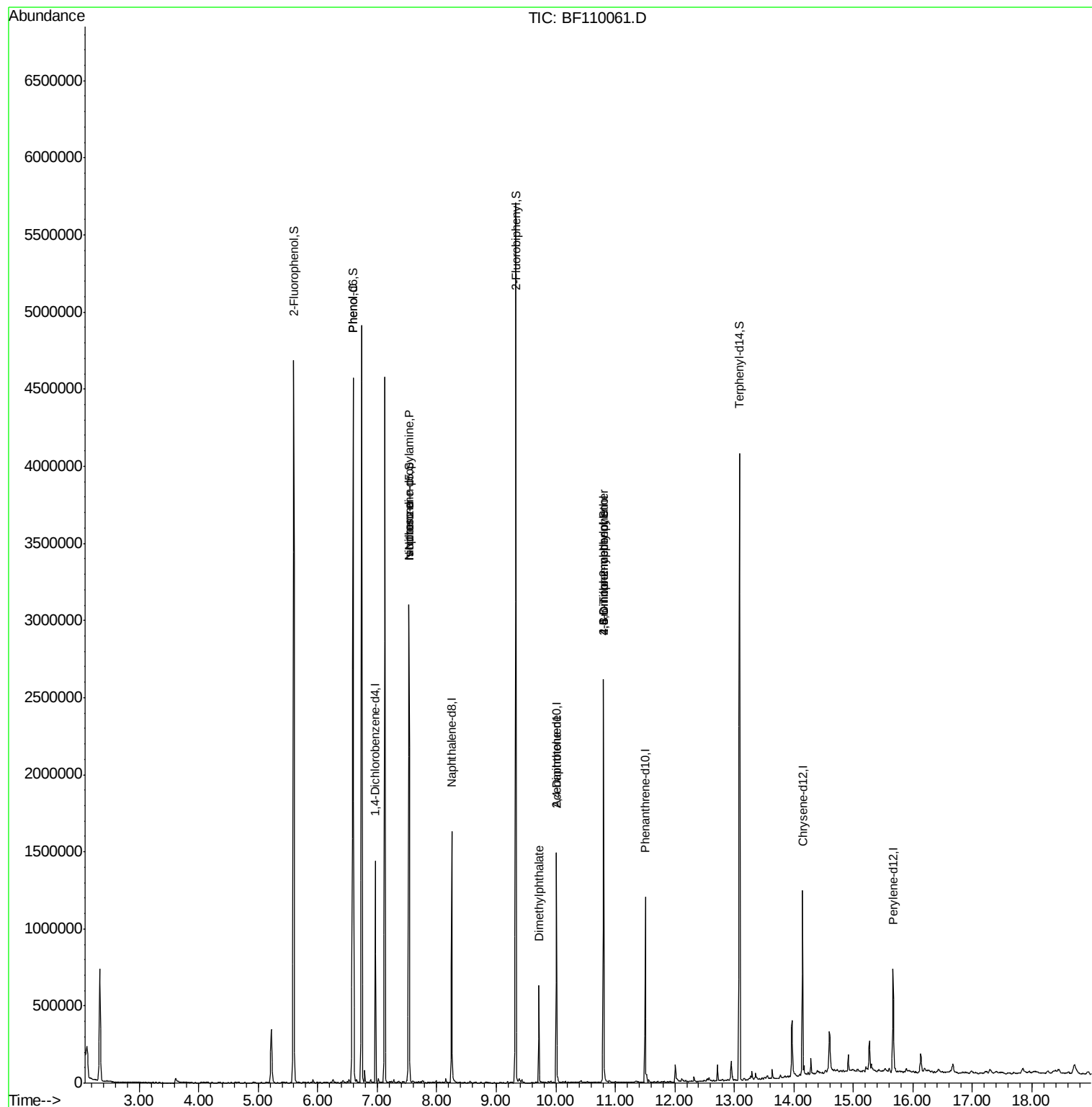
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 187839   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.25  | 136  | 686049   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 10.01 | 164  | 273142   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.50 | 188  | 429374   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.14 | 240  | 343103   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.67 | 264  | 248693   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 1472849  | 124.29 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 1805106  | 122.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 1098270  | 107.84 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.80 | 330  | 303955   | 128.53 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.33  | 172  | 1738825  | 101.58 | ng    | -0.01    |
| 79) Terphenyl-d14              | 13.09 | 244  | 1348234  | 82.52  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.60  | 94   | 156060   | 9.823  | ng    | # 73     |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 145265   | 15.375 | ng    | # 80     |
| 25) Isophorone                 | 7.53  | 82   | 1098261  | 54.883 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.72  | 163  | 221924   | 11.474 | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 10.01 | 165  | 35507    | 11.504 | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 709      | 8.285  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.80 | 248  | 19657    | 4.224  | ng    | # 1      |

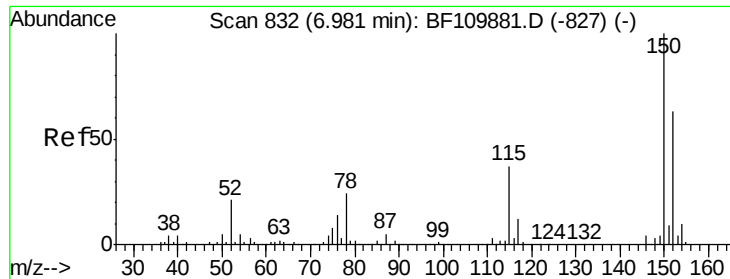
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5605-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Oct 23 02:11:15 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



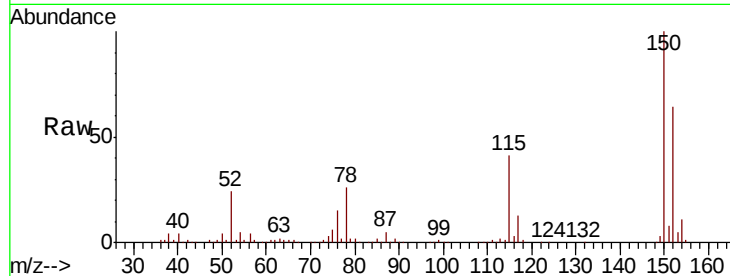


#1

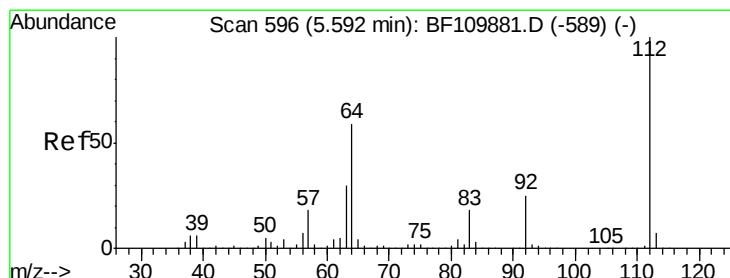
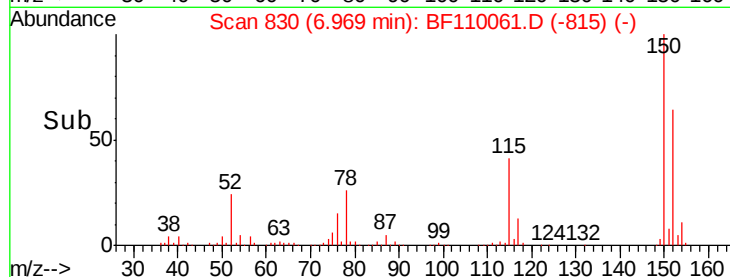
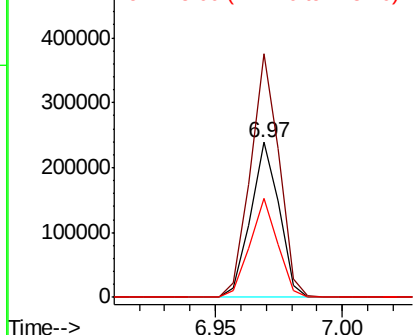
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 187839  
Ion Ratio Lower Upper  
152 100  
150 157.3 122.7 184.1  
115 64.3 49.1 73.7



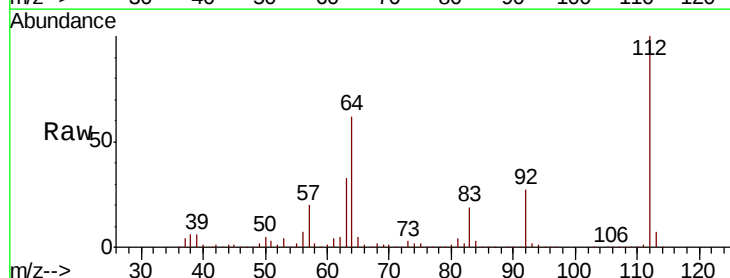
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



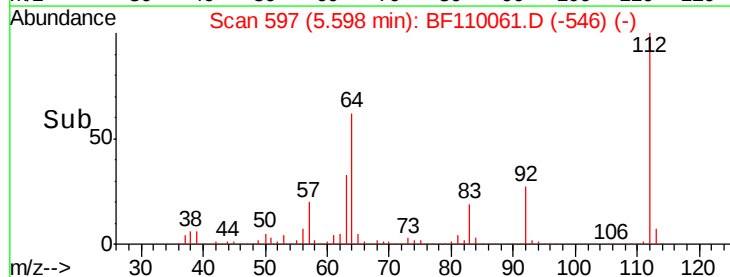
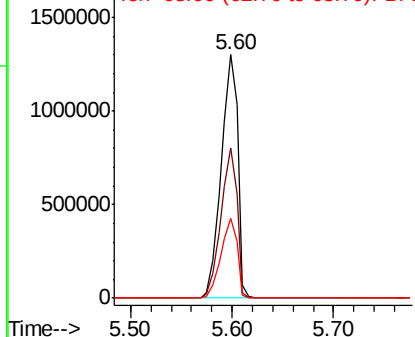
#5

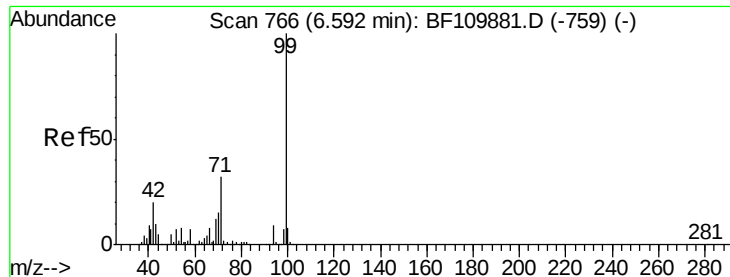
2-Fluorophenol  
Concen: 124.291 ng  
RT: 5.60 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion:112 Resp: 1472849  
Ion Ratio Lower Upper  
112 100  
64 61.9 44.1 66.1  
63 32.8 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: 122.674 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110061.D

Acq: 22 Oct 2018 20:47

Instrument :

BNA\_F

ClientSampleId :

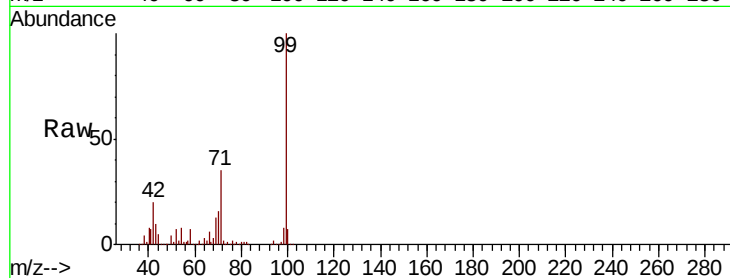
Tot Ion: 99 Resp: 1805106

Ion Ratio Lower Upper

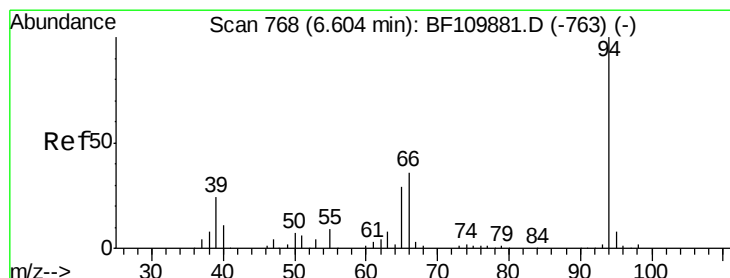
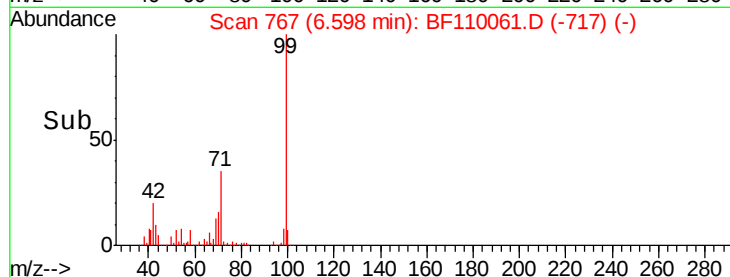
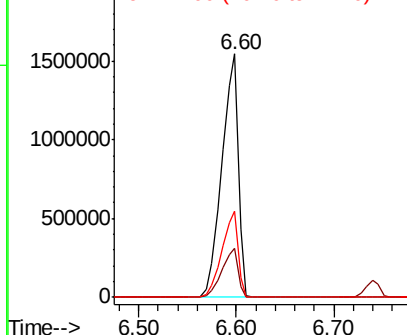
99 100

42 20.0 15.8 23.6

71 35.3 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: 9.823 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110061.D

Acq: 22 Oct 2018 20:47

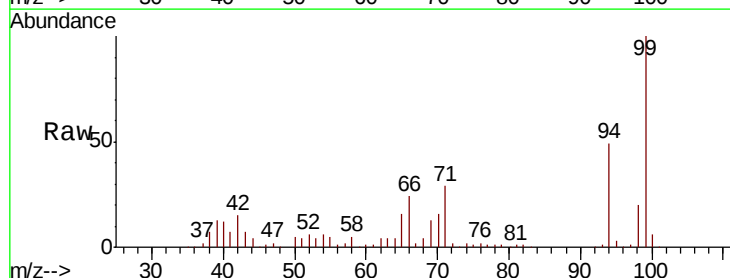
Tgt Ion: 94 Resp: 156060

Ion Ratio Lower Upper

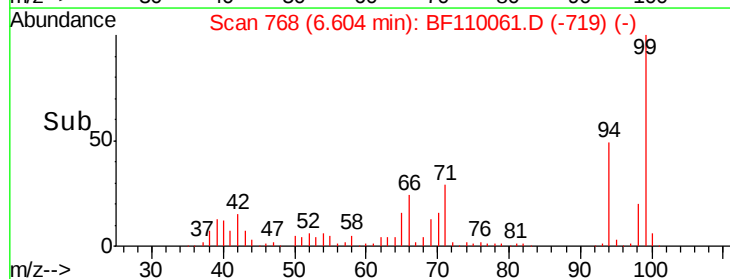
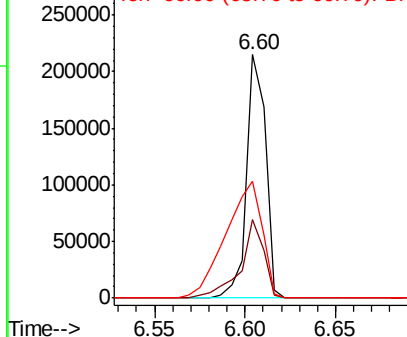
94 100

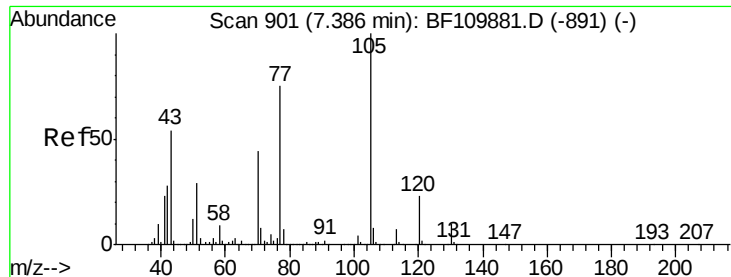
65 32.2 25.3 65.3

66 47.9 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

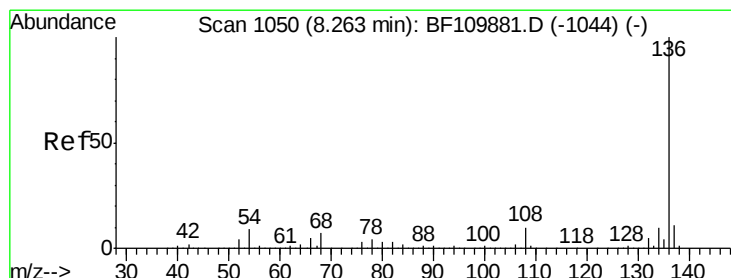
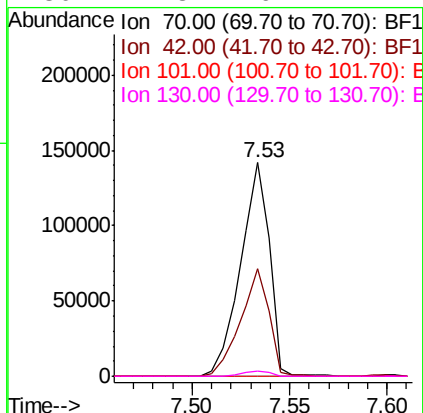
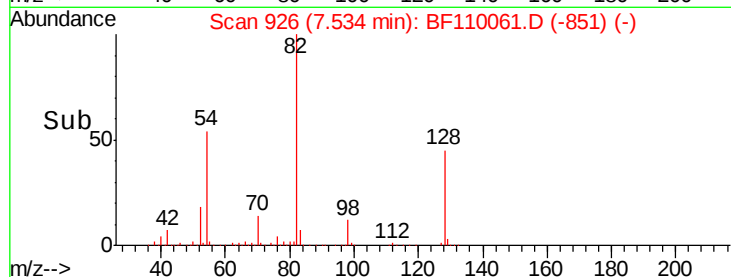
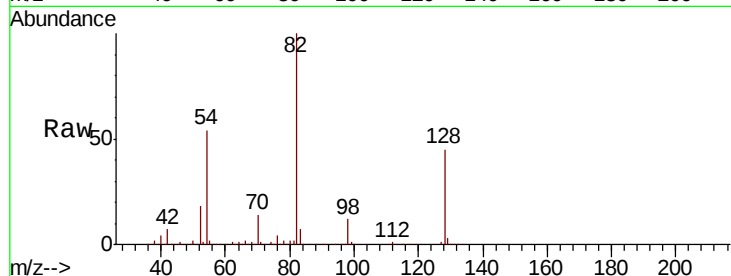




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.375 ng  
RT: 7.53 min Scan# 926  
Delta R.T. 0.14 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

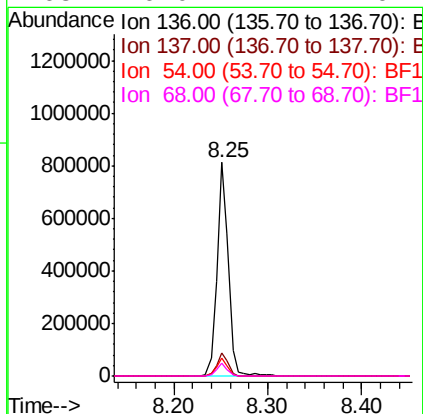
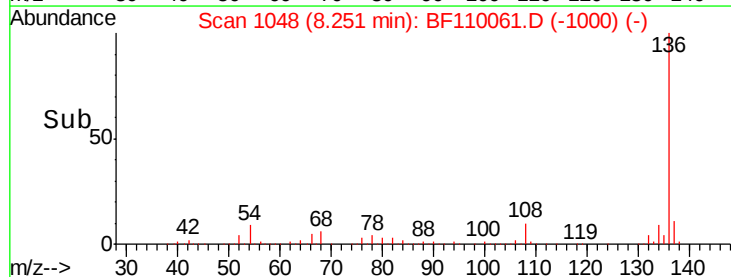
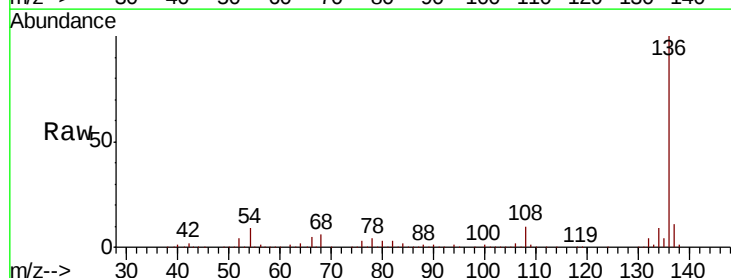
Instrument :  
BNA\_F  
ClientSampleId :

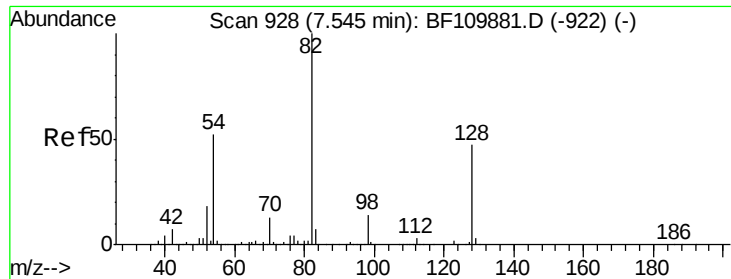
Tot Ion: 70 Resp: 145265  
Ion Ratio Lower Upper  
70 100  
42 50.2 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.3 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion:136 Resp: 686049  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.6 5.4 8.2#  
68 6.0 4.2 6.2

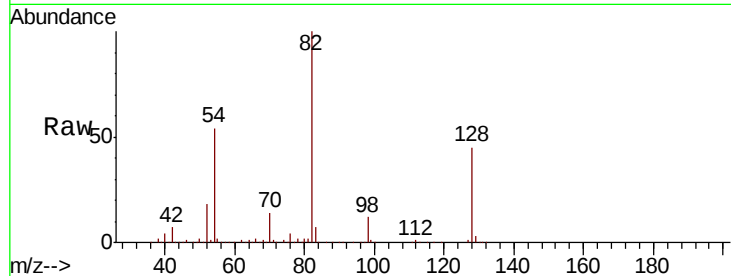




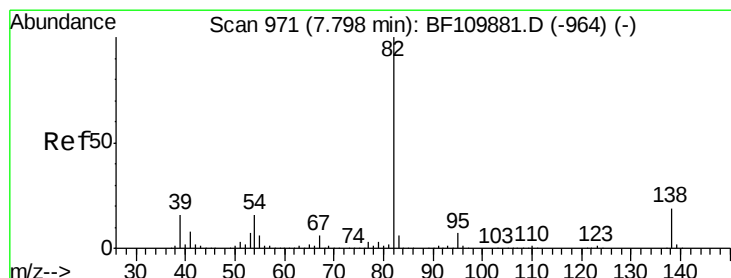
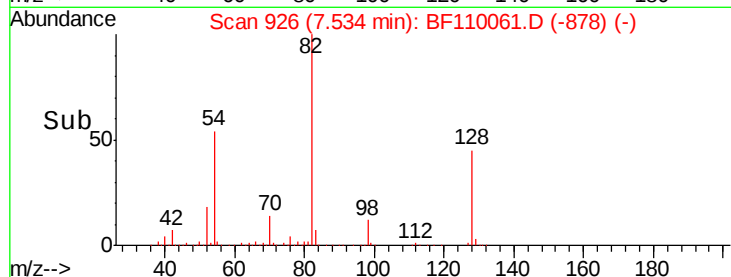
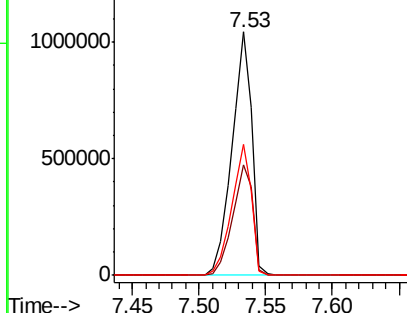
#23  
Nitrobenzene-d5  
Concen: 107.840 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1098270  
Ion Ratio Lower Upper  
82 100  
128 45.2 34.2 51.2  
54 53.7 38.6 58.0

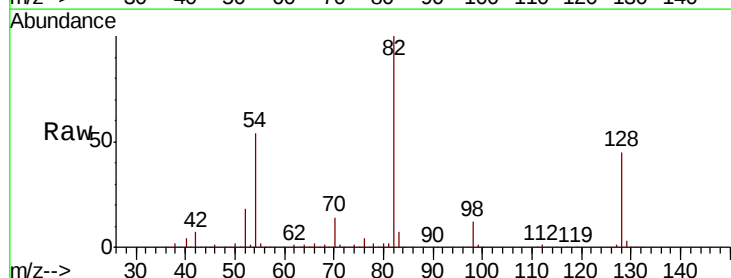


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

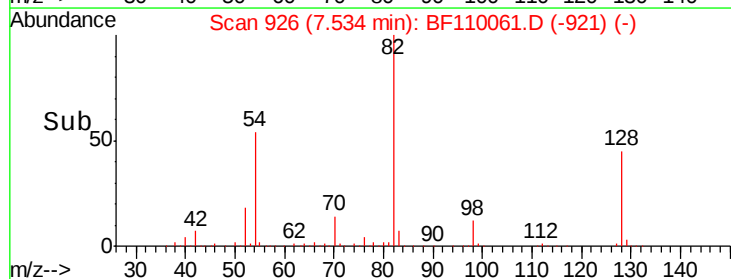
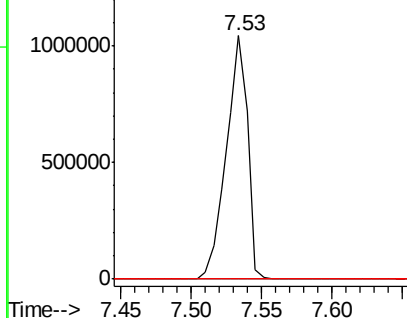


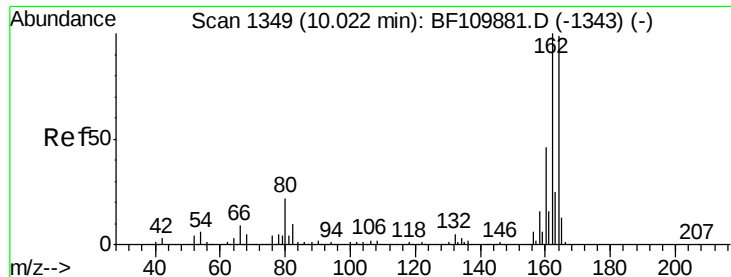
#25  
Isophorone  
Concen: 54.883 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.27 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion: 82 Resp: 1098261  
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

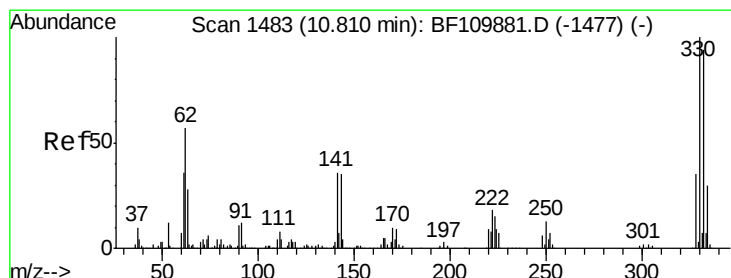
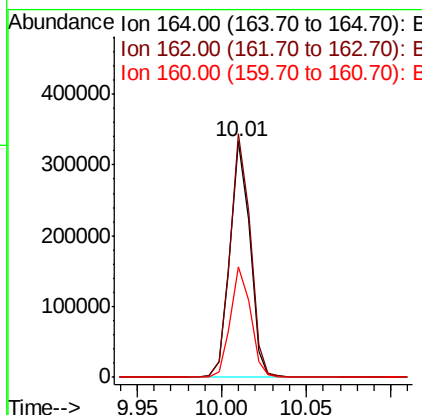
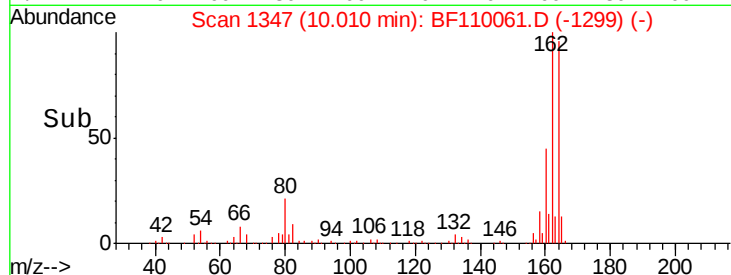
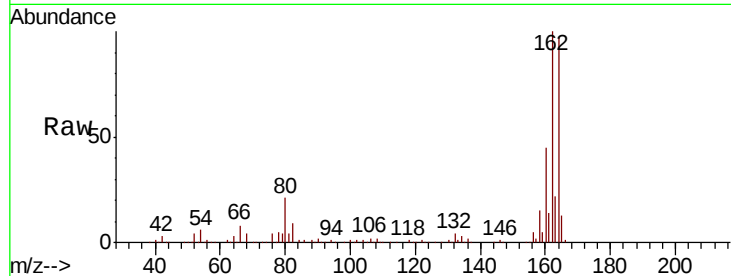




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

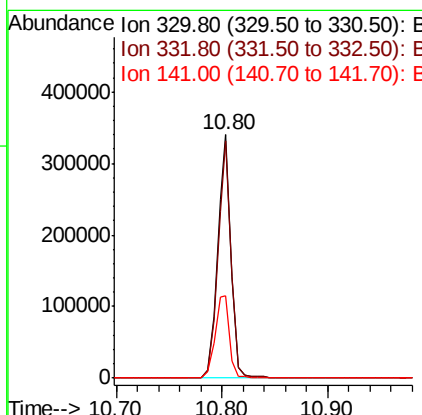
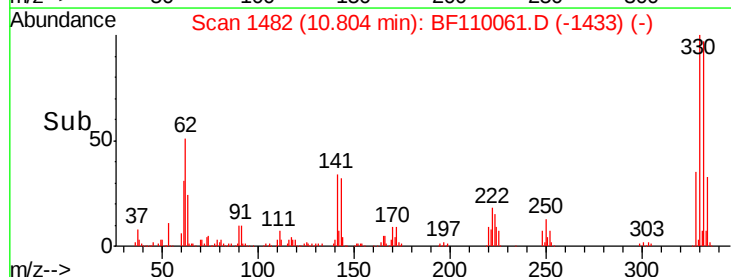
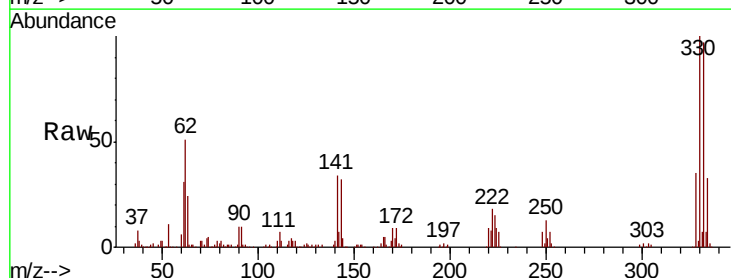
Instrument :  
BNA\_F  
ClientSampleId :

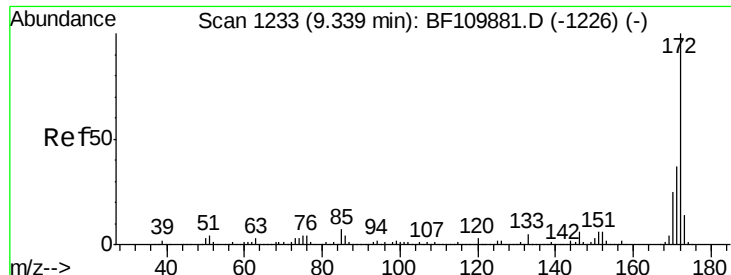
Tot Ion:164 Resp: 273142  
Ion Ratio Lower Upper  
164 100  
162 103.4 83.0 124.6  
160 46.7 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 128.534 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion:330 Resp: 303955  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.1 115.7  
141 37.3 27.0 40.4

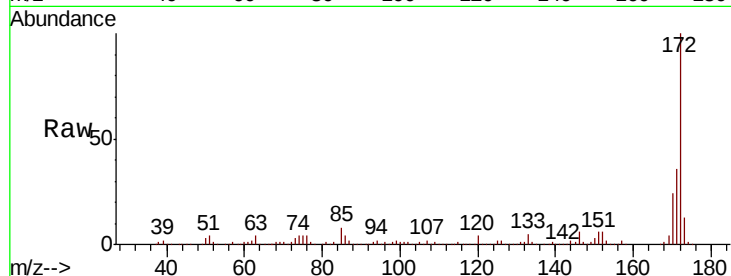




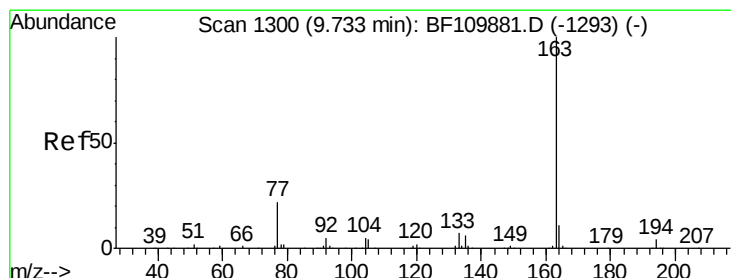
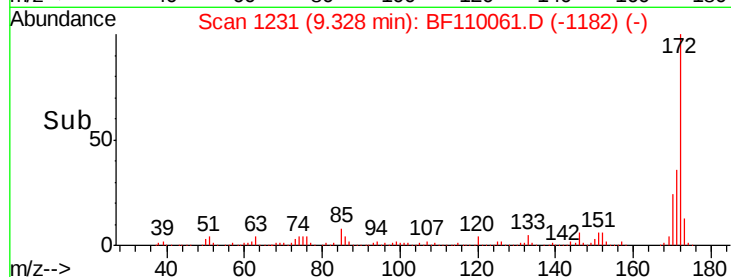
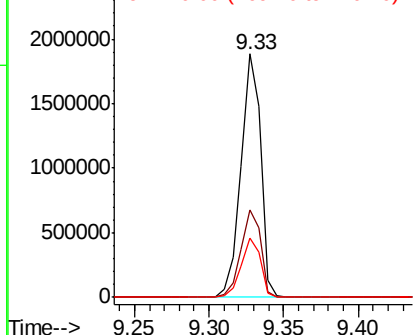
#45  
2-Fluorobiphenyl  
Concen: 101.580 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 1738825  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 24.2 19.7 29.5

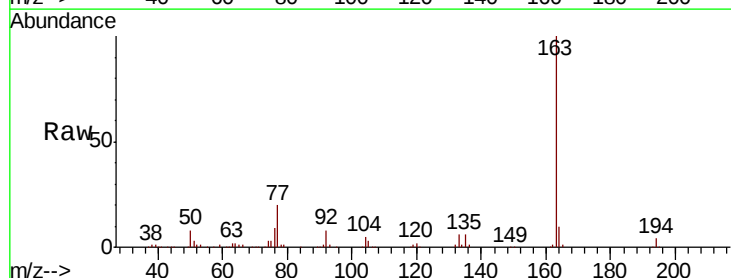


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

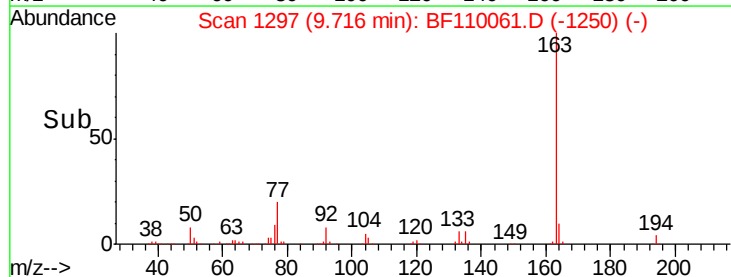
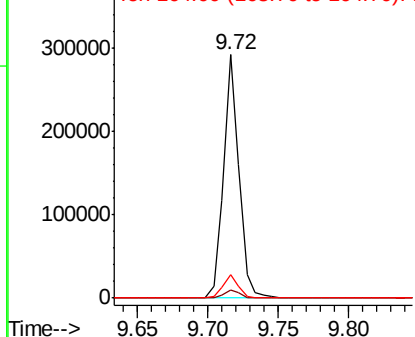


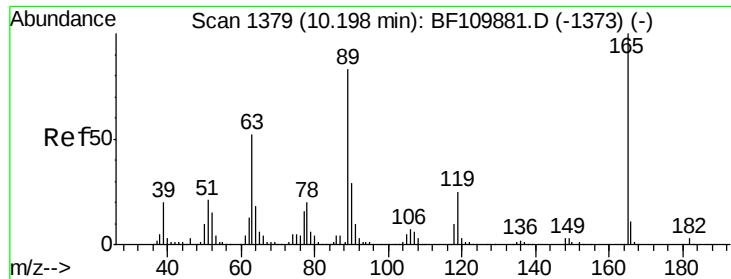
#50  
Dimethylphthalate  
Concen: 11.474 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion:163 Resp: 221924  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.2 4.8  
164 9.7 8.1 12.1



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

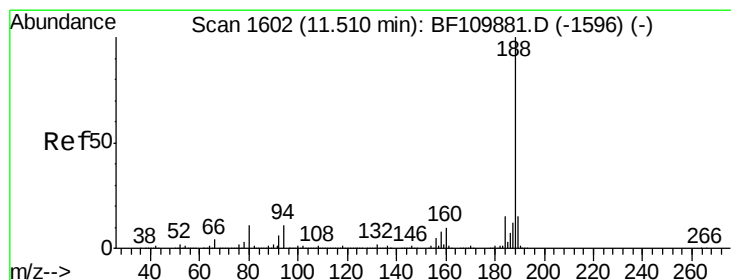
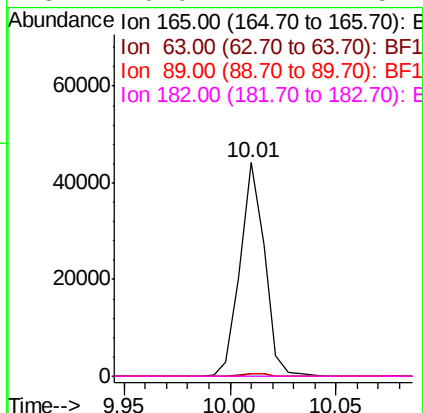
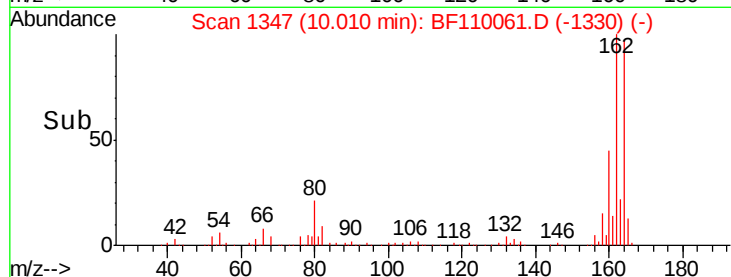
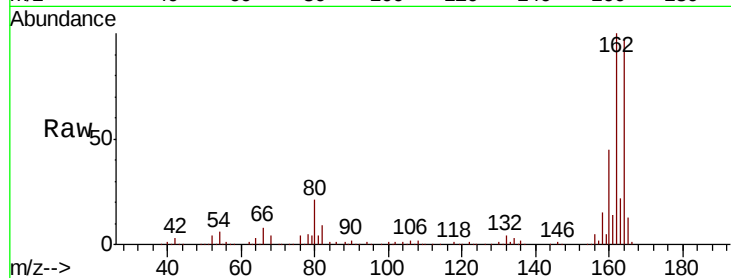




#57  
 2,4-Dinitrotoluene  
 Concen: 11.504 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.20 min  
 Lab File: BF110061.D  
 Acq: 22 Oct 2018 20:47

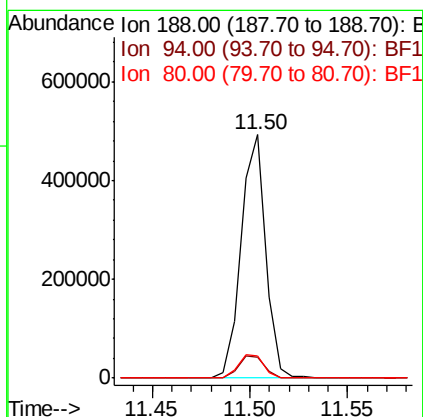
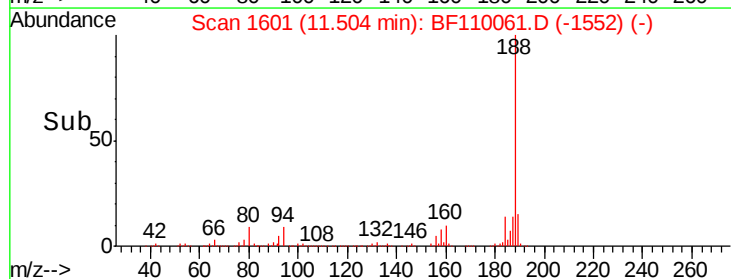
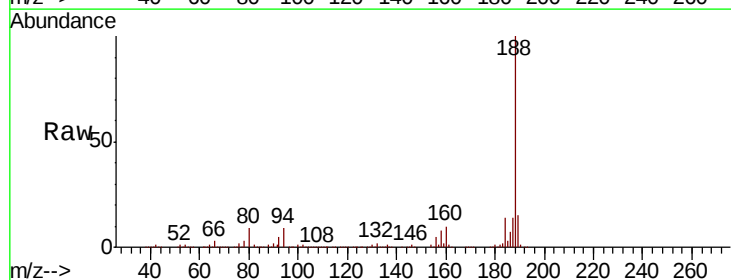
Instrument :  
 BNA\_F  
 ClientSampleId :

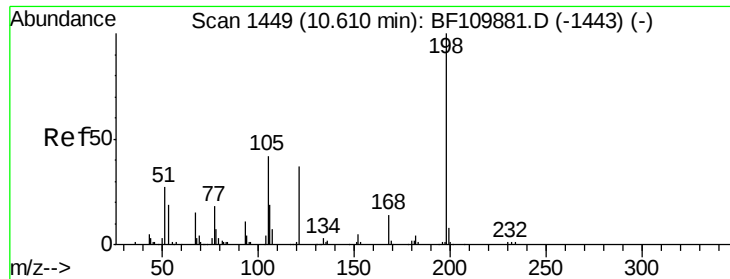
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 44.8  | 67.2# |
| 89      | 1.0   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.01 min  
 Lab File: BF110061.D  
 Acq: 22 Oct 2018 20:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 7.2   | 10.8  |
| 80      | 9.2   | 7.9   | 11.9  |

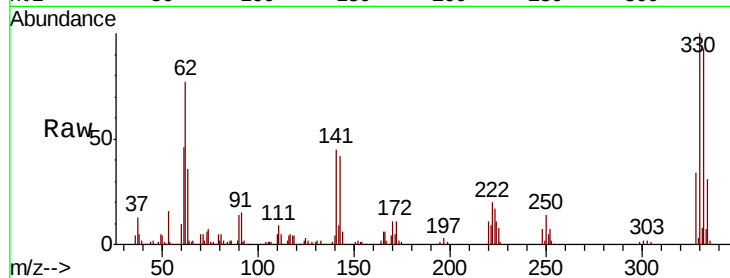




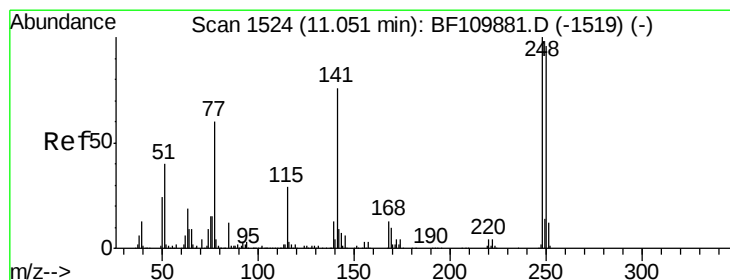
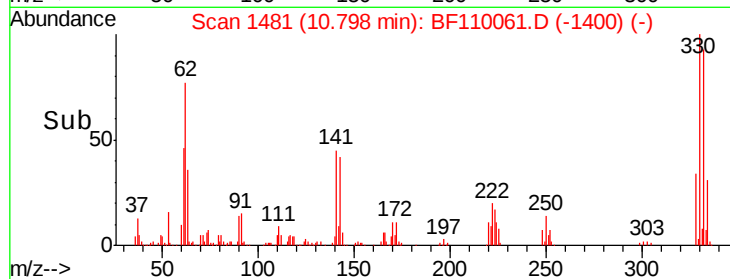
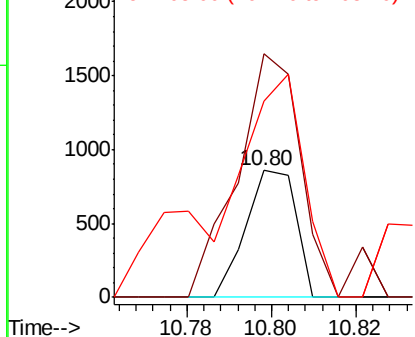
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.285 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. 0.18 min  
 Lab File: BF110061.D  
 Acq: 22 Oct 2018 20:47

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:198 Resp: 709  
 Ion Ratio Lower Upper  
 198 100  
 51 192.1 22.8 62.8#  
 105 154.9 23.6 63.6#

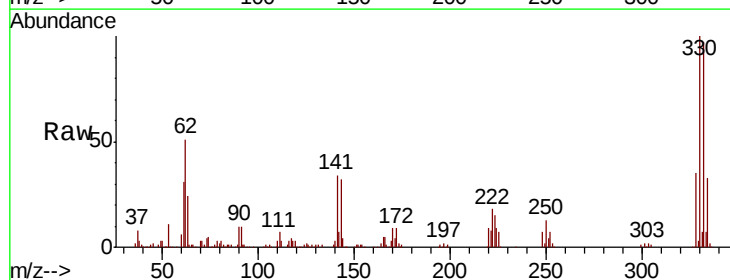


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

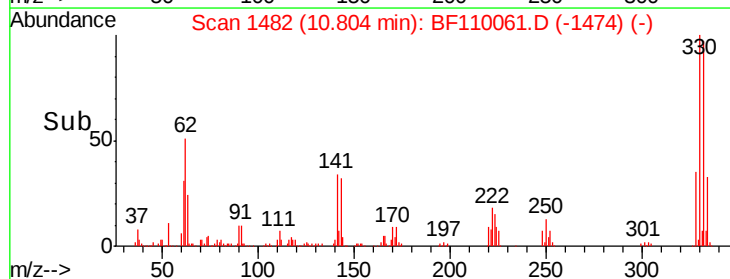
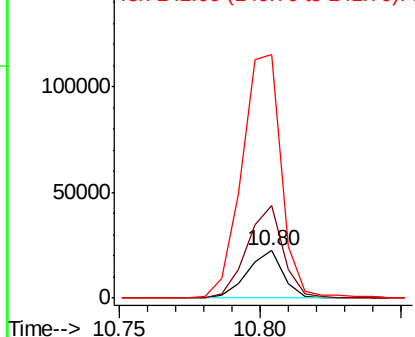


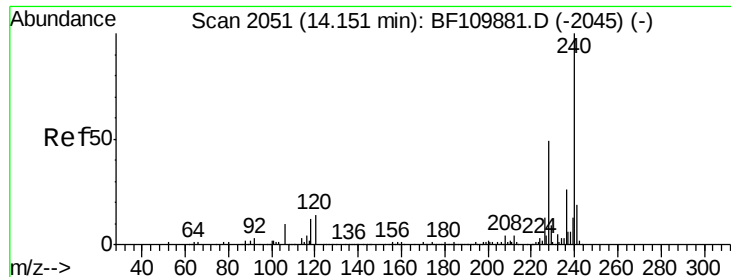
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.224 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.25 min  
 Lab File: BF110061.D  
 Acq: 22 Oct 2018 20:47

Tgt Ion:248 Resp: 19657  
 Ion Ratio Lower Upper  
 248 100  
 250 195.1 79.4 119.2#  
 141 514.8 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

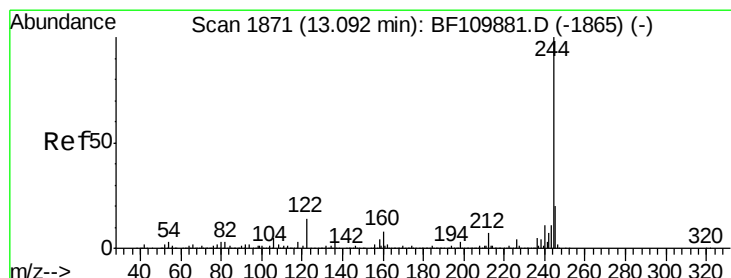
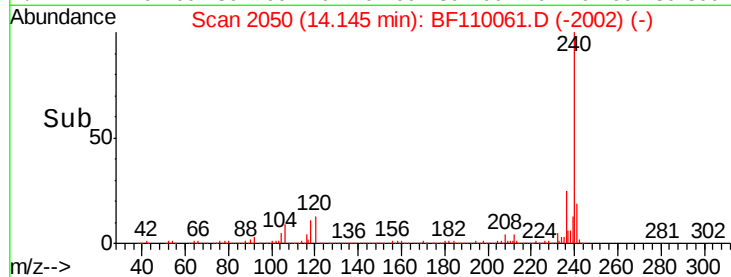
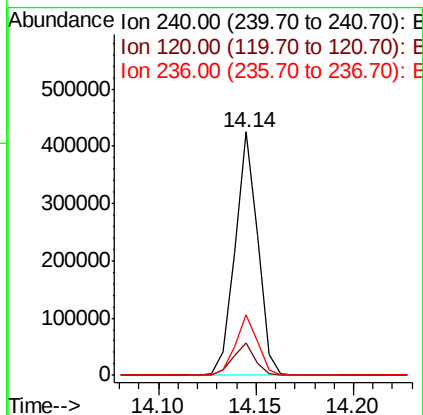
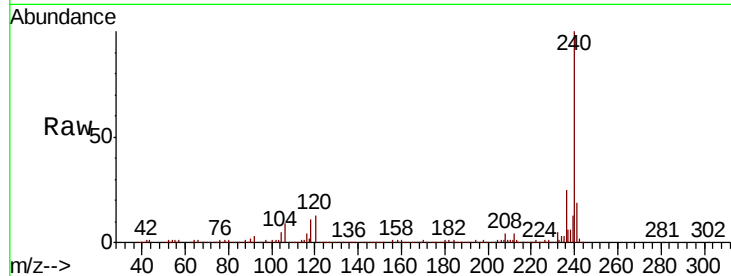




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

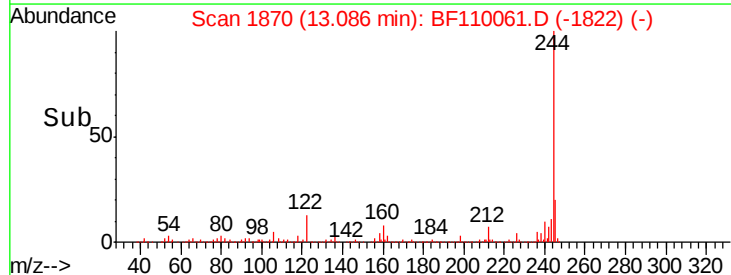
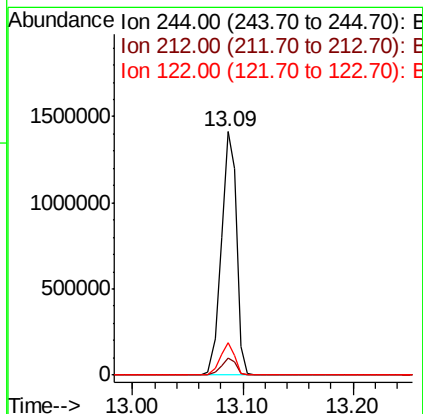
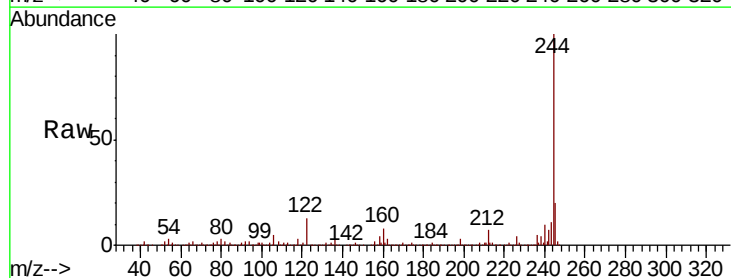
Instrument :  
BNA\_F  
ClientSampleID :

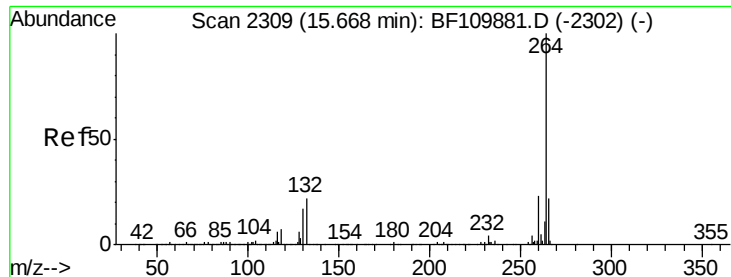
Tot Ion:240 Resp: 343103  
Ion Ratio Lower Upper  
240 100  
120 13.3 8.3 12.5#  
236 24.9 21.2 31.8



#79  
Terphenyl-d14  
Concen: 82.517 ng  
RT: 13.09 min Scan# 1870  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Tgt Ion:244 Resp: 1348234  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 13.3 8.7 13.1#





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. -0.02 min  
Lab File: BF110061.D  
Acq: 22 Oct 2018 20:47

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.7  | 28.1  |
| 265     | 21.7  | 16.7  | 25.1  |

