

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\  
 Data File : BF109956.D  
 Acq On : 18 Oct 2018 12:57  
 Operator : JU/SJ  
 Sample : J5577-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 19 02:21:37 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  | 256439   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 1003275  | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 10.02 | 164  | 459953   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.51 | 188  | 809008   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.16 | 240  | 478303   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.69 | 264  | 459343   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 1803750  | 111.50 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 2296204  | 114.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 1448333  | 97.25  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.82 | 330  | 522652   | 131.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.34  | 172  | 2401960  | 83.33  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.10 | 244  | 2005907  | 88.07  | ng    | 0.00     |

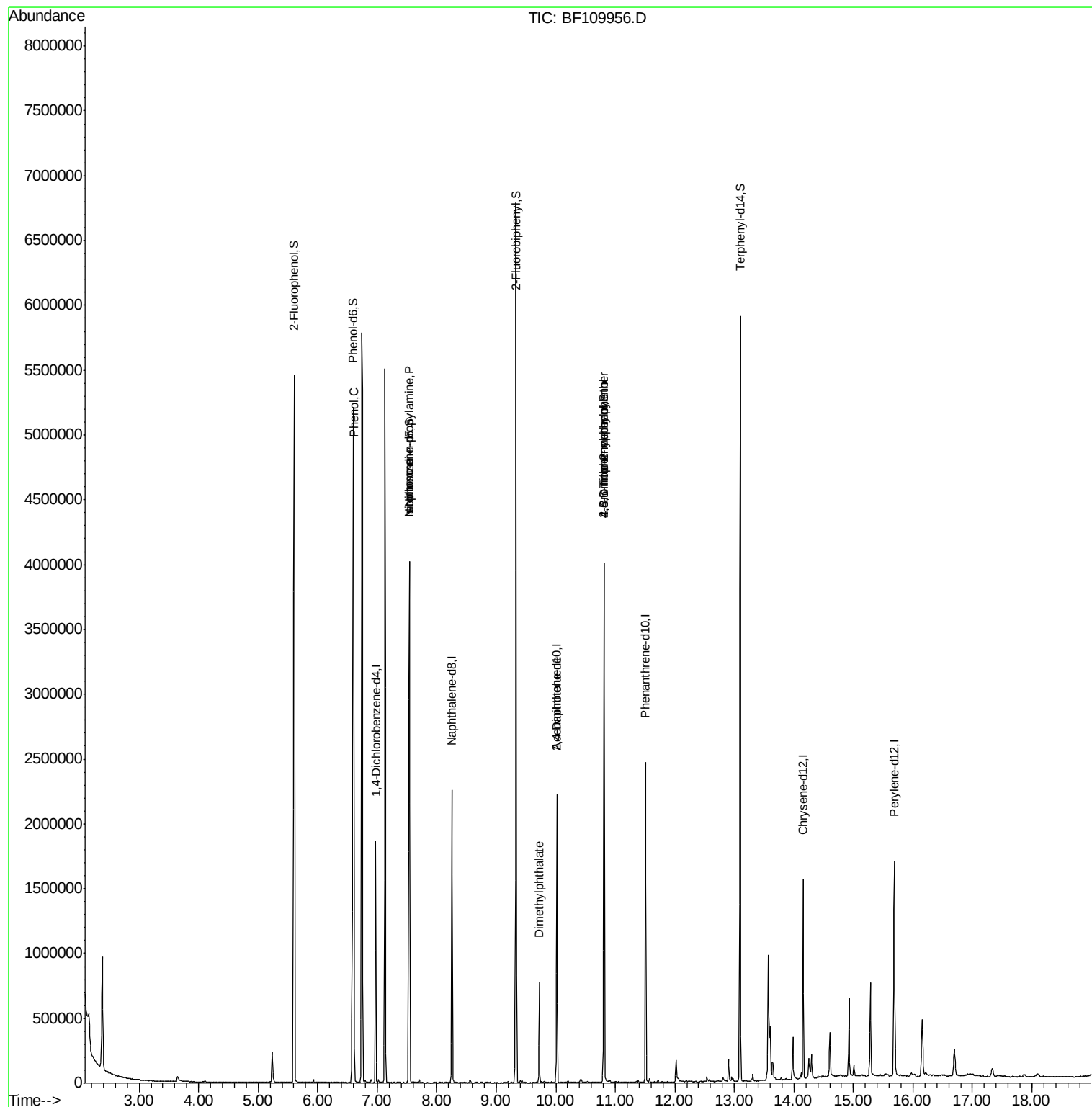
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.61  | 94   | 236958   | 10.925 | ng    | # 63   |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 191203   | 14.824 | ng    | # 82   |
| 25) Isophorone                 | 7.54  | 82   | 1446347  | 49.424 | ng    | # 67   |
| 50) Dimethylphthalate          | 9.72  | 163  | 286199   | 8.787  | ng    | 99     |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 57817    | 11.276 | ng    | # 19   |
| 65) 4,6-Dinitro-2-methylphenol | 10.81 | 198  | 1148     | 8.232  | ng    | # 1    |
| 67) 4-Bromophenyl-phenylether  | 10.81 | 248  | 33538    | 3.825  | ng    | # 1    |

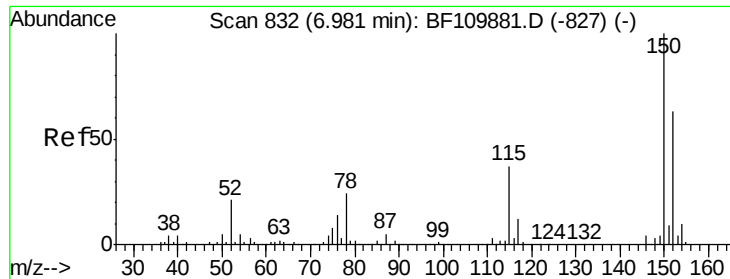
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\  
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Sample : J5577-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Oct 19 02:21:37 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



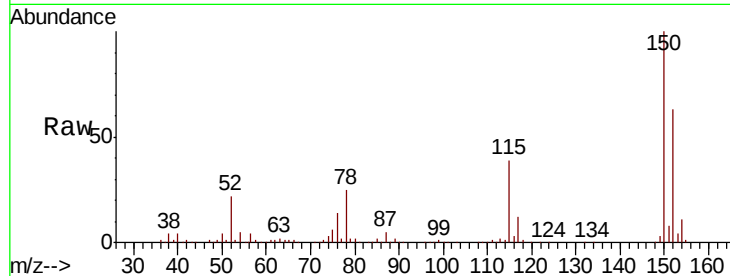


#1

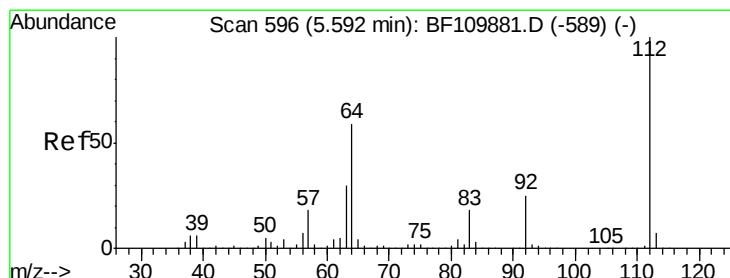
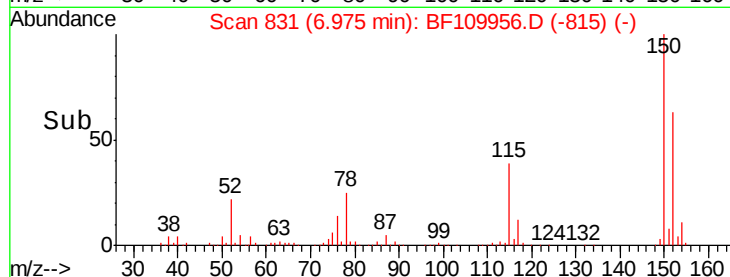
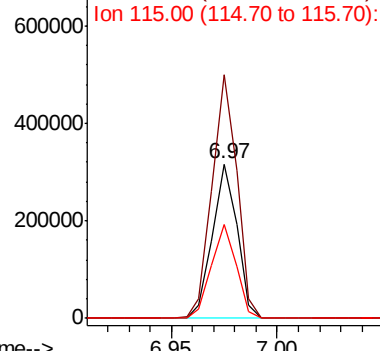
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 256439  
Ion Ratio Lower Upper  
152 100  
150 157.9 122.7 184.1  
115 61.3 49.1 73.7



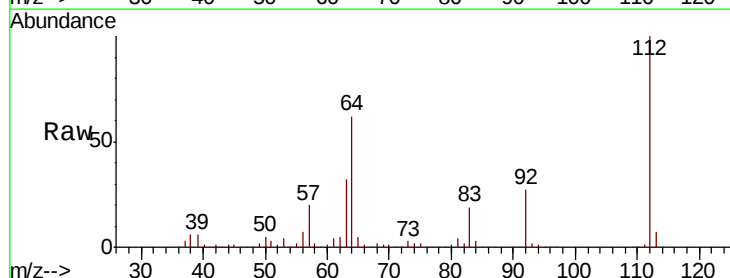
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



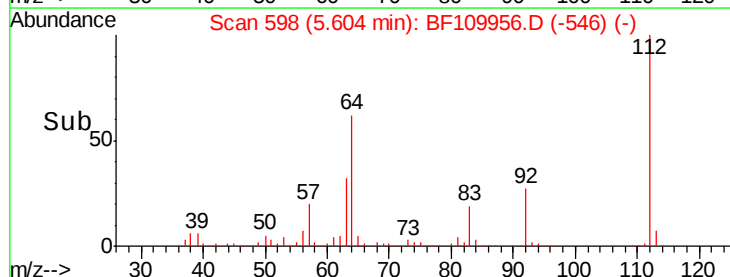
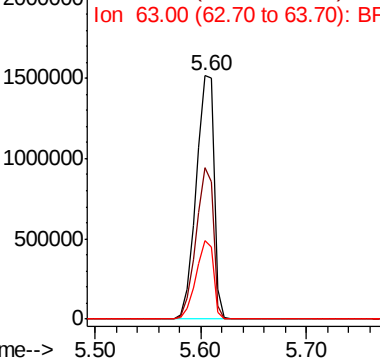
#5

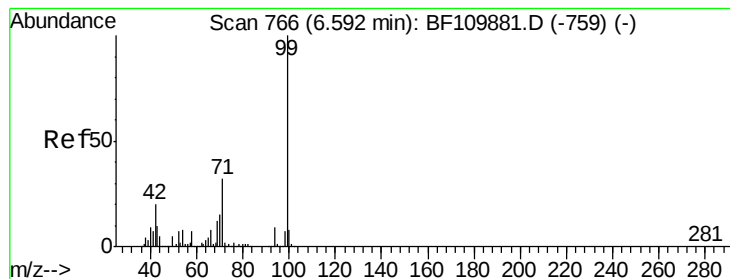
2-Fluorophenol  
Concen: 111.496 ng  
RT: 5.60 min Scan# 598  
Delta R.T. 0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Tgt Ion:112 Resp: 1803750  
Ion Ratio Lower Upper  
112 100  
64 62.4 44.1 66.1  
63 32.3 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: 114.304 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109956.D

Acq: 18 Oct 2018 12:57

Instrument :

BNA\_F

ClientSampled :

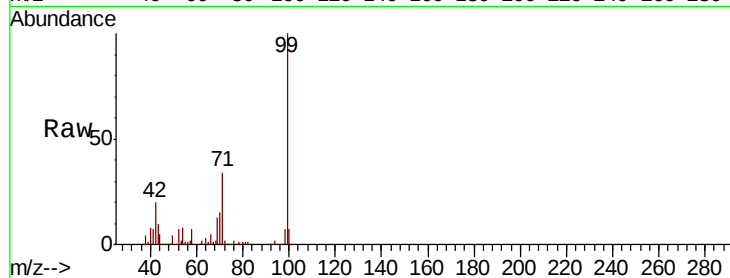
Tot Ion: 99 Resp: 2296204

Ion Ratio Lower Upper

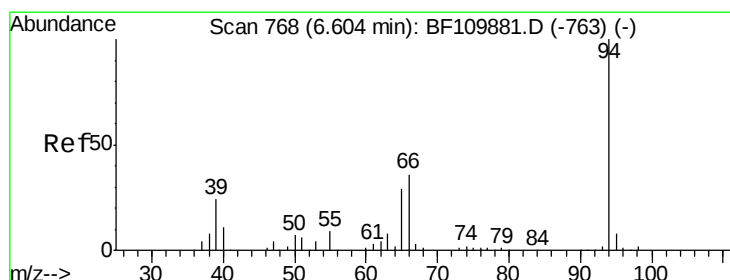
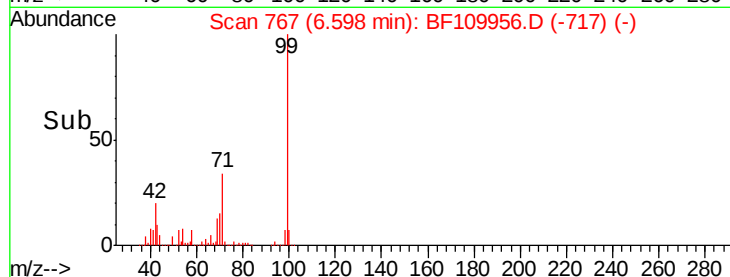
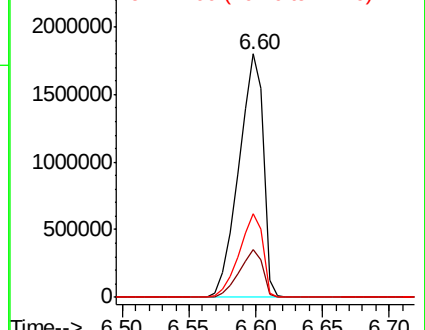
99 100

42 19.6 15.8 23.6

71 34.3 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: 10.925 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109956.D

Acq: 18 Oct 2018 12:57

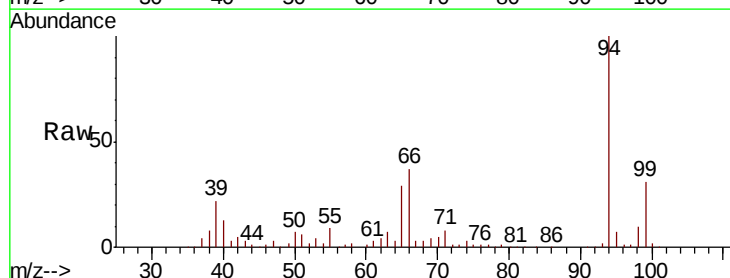
Tgt Ion: 94 Resp: 236958

Ion Ratio Lower Upper

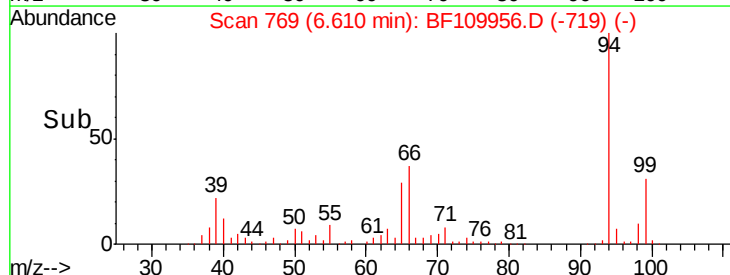
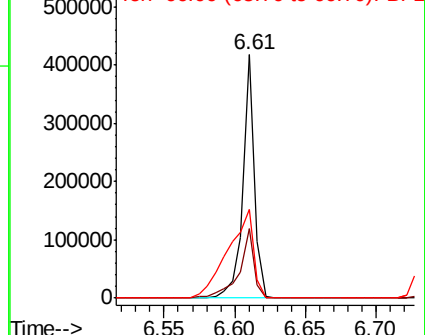
94 100

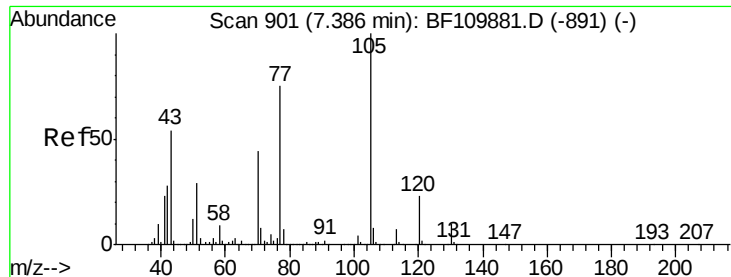
65 28.6 25.3 65.3

66 36.5 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

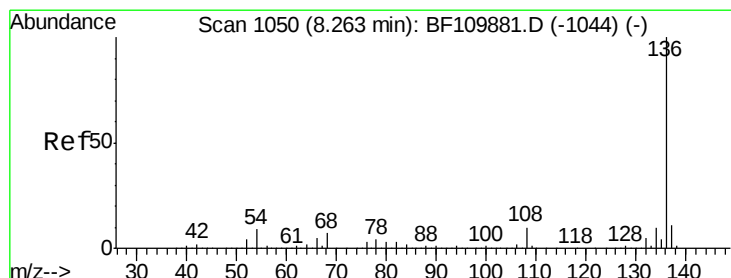
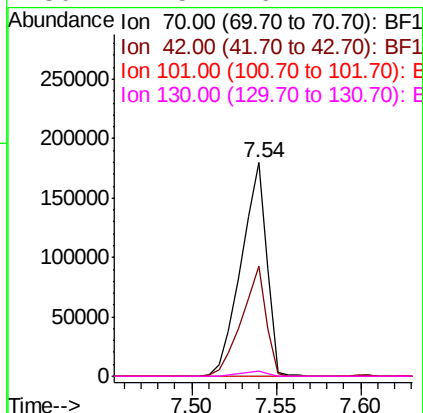
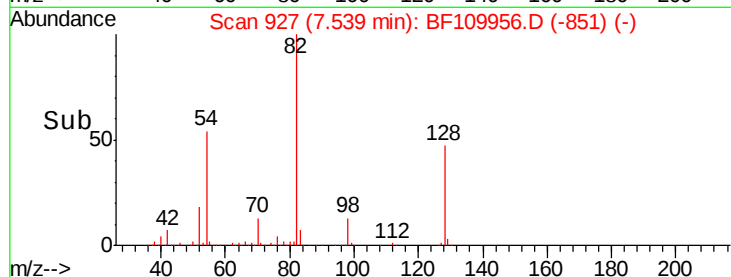
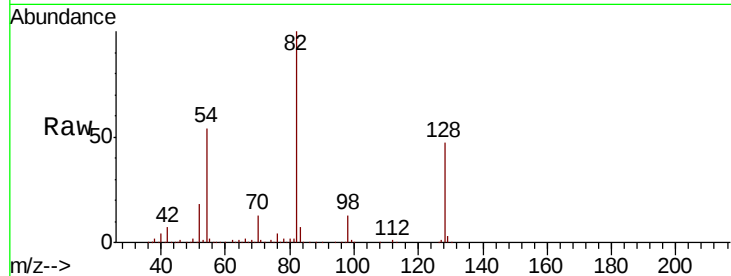




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.824 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.15 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

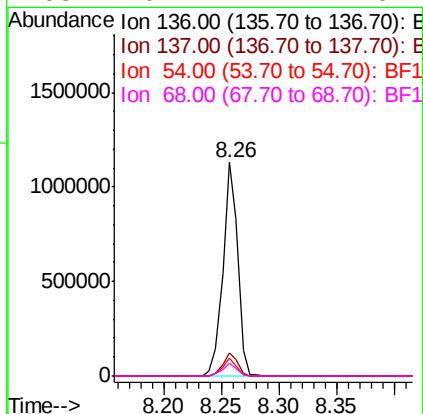
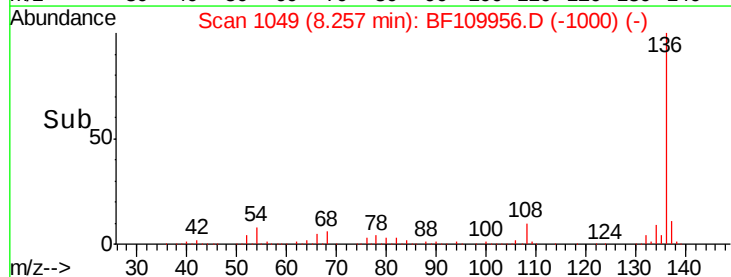
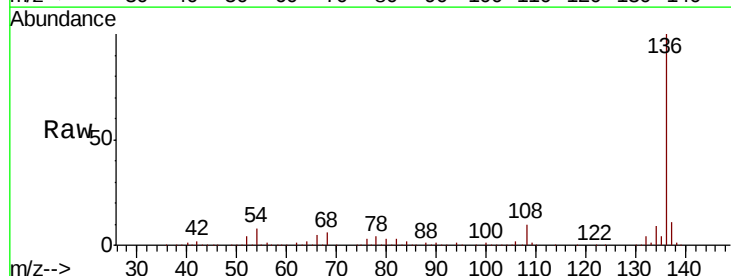
Instrument :  
BNA\_F  
ClientSampleId :

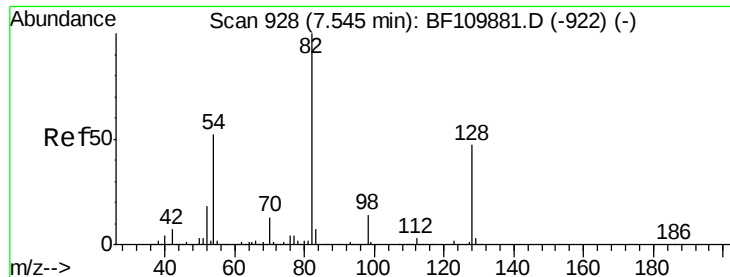
Tot Ion: 70 Resp: 191203  
Ion Ratio Lower Upper  
70 100  
42 51.5 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.5 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Tgt Ion:136 Resp: 1003275  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 8.3 5.4 8.2#  
68 6.1 4.2 6.2

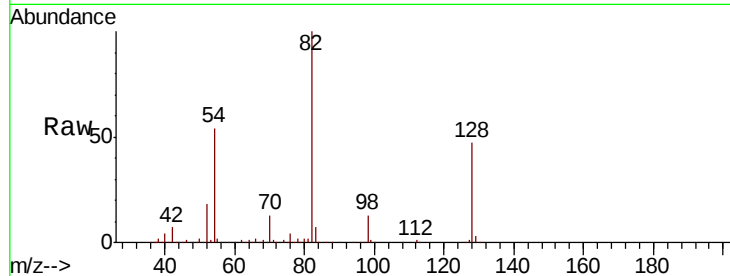




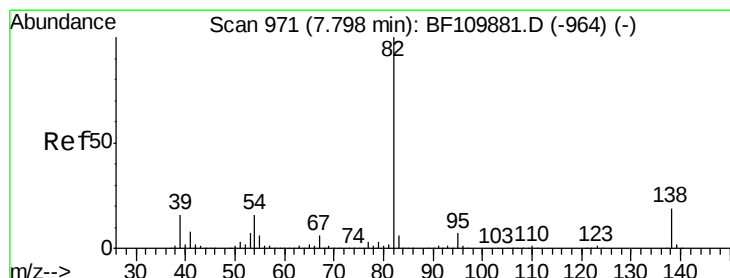
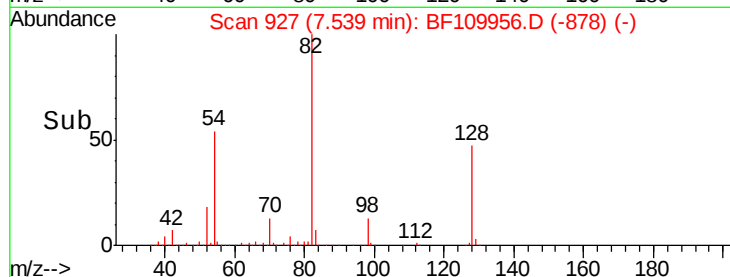
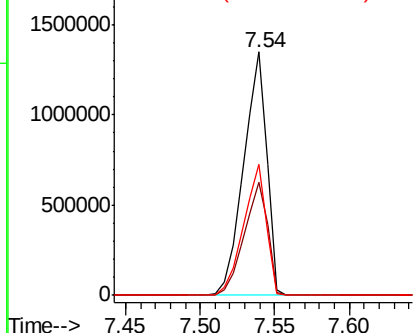
#23  
Nitrobenzene-d5  
Concen: 97.247 ng  
RT: 7.54 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 1448333  
Ion Ratio Lower Upper  
82 100  
128 46.6 34.2 51.2  
54 54.0 38.6 58.0

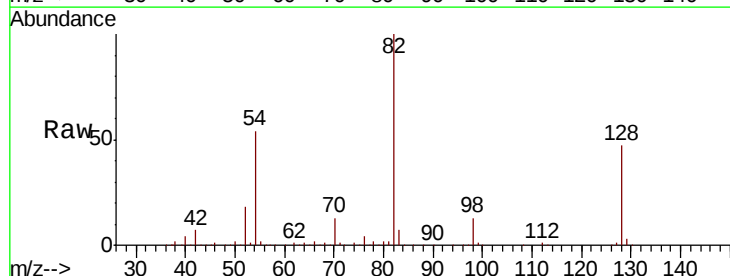


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

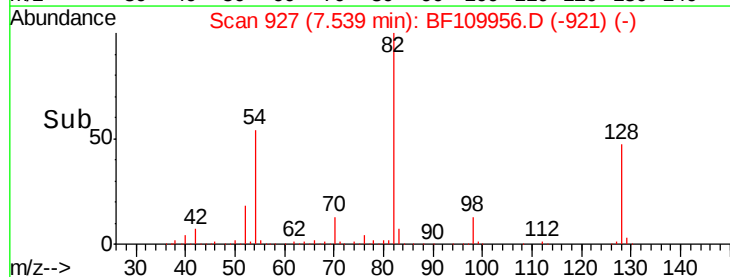
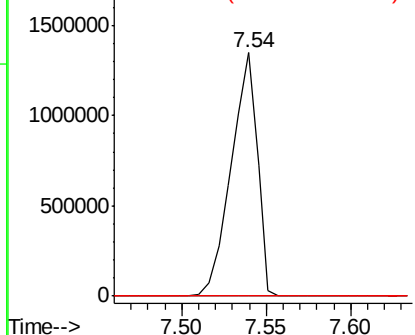


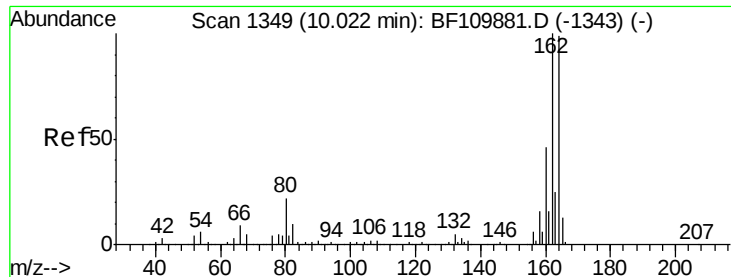
#25  
Isophorone  
Concen: 49.424 ng  
RT: 7.54 min Scan# 927  
Delta R.T. -0.26 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Tgt Ion: 82 Resp: 1446347  
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

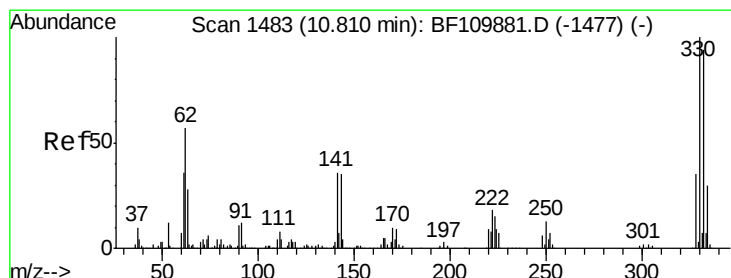
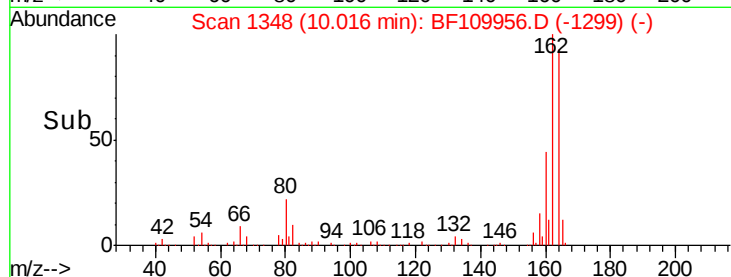
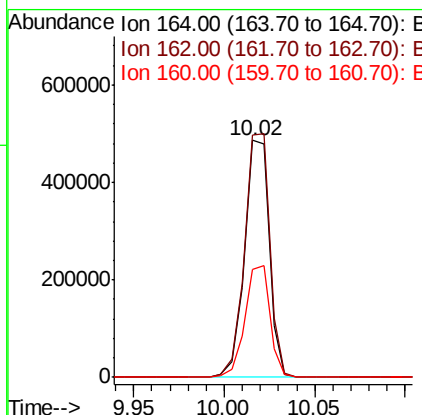
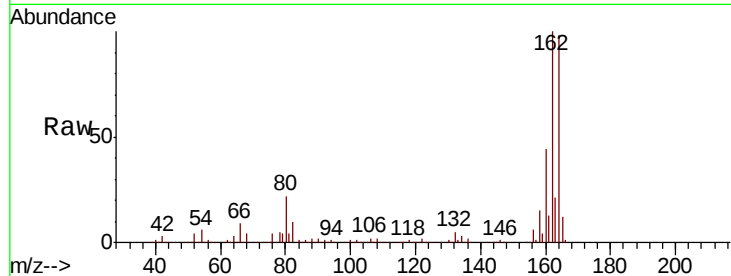




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

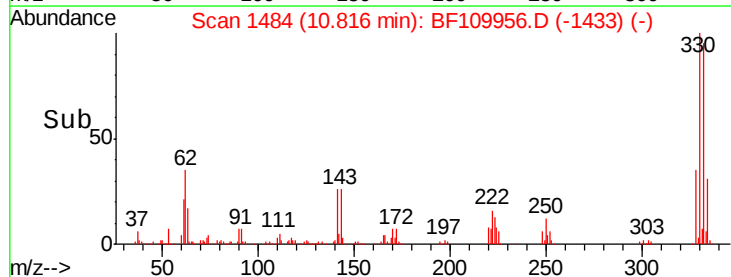
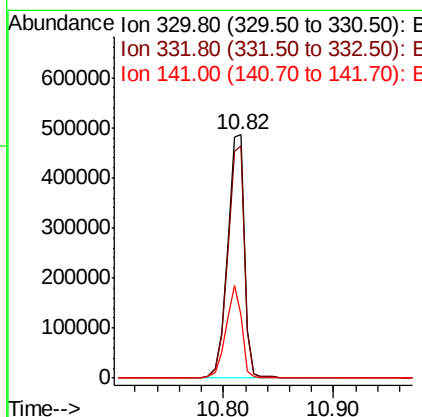
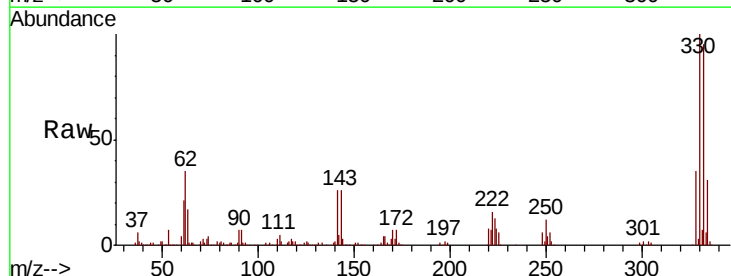
Instrument :  
BNA\_F  
ClientSampleId :

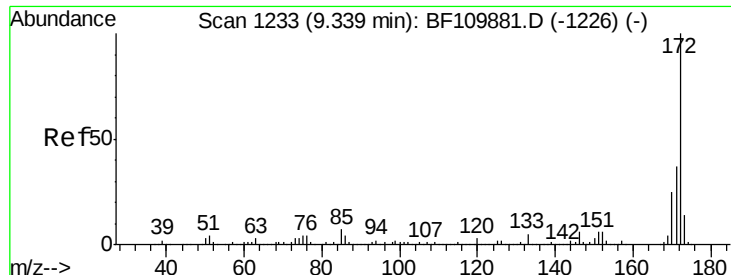
Tot Ion:164 Resp: 459953  
Ion Ratio Lower Upper  
164 100  
162 102.2 83.0 124.6  
160 45.3 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 131.249 ng  
RT: 10.82 min Scan# 1484  
Delta R.T. -0.00 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Tgt Ion:330 Resp: 522652  
Ion Ratio Lower Upper  
330 100  
332 94.8 77.1 115.7  
141 35.3 27.0 40.4

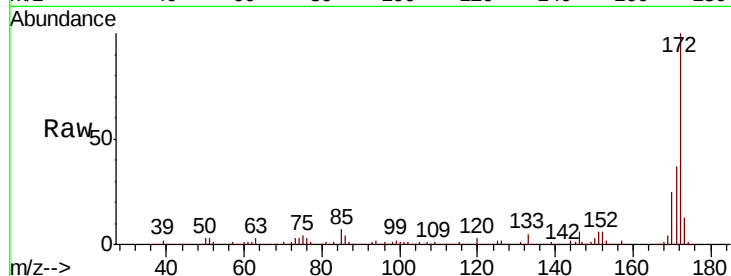




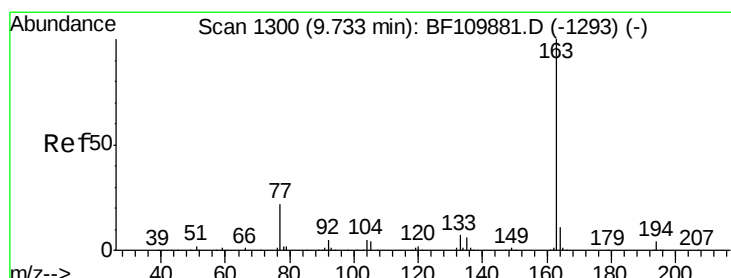
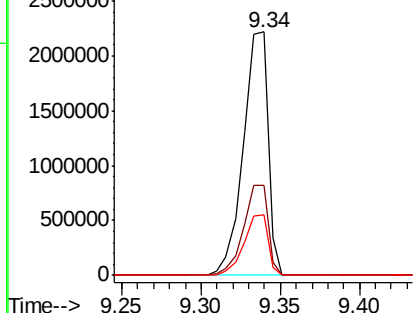
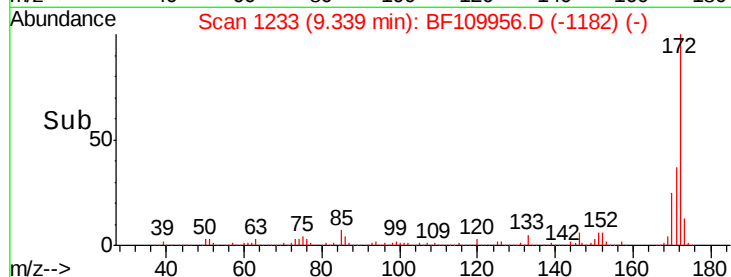
#45  
2-Fluorobiphenyl  
Concen: 83.328 ng  
RT: 9.34 min Scan# 1233  
Delta R.T. -0.00 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 2401960  
Ion Ratio Lower Upper  
172 100  
171 37.2 28.6 43.0  
170 24.9 19.7 29.5

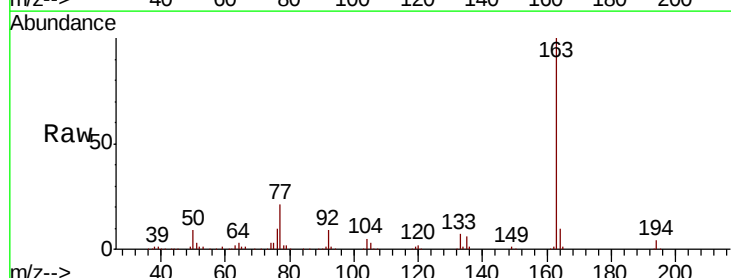


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

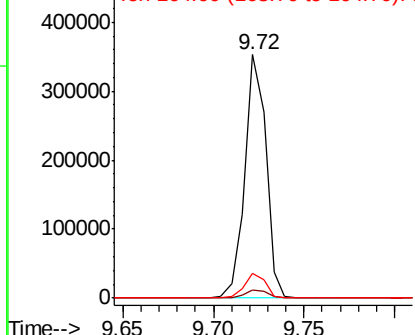
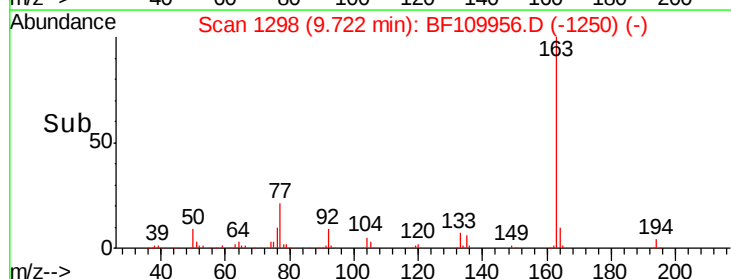


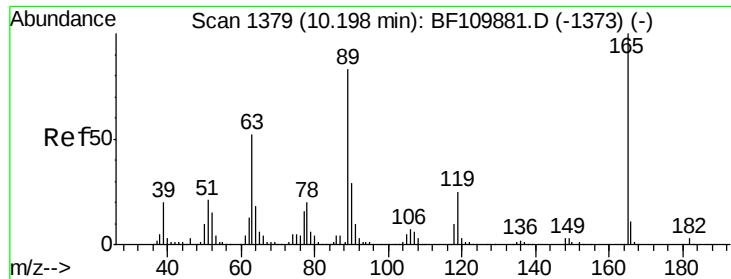
#50  
Dimethylphthalate  
Concen: 8.787 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Tgt Ion:163 Resp: 286199  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.2 4.8  
164 10.0 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

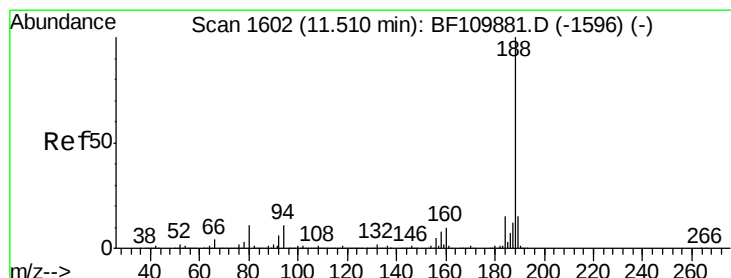
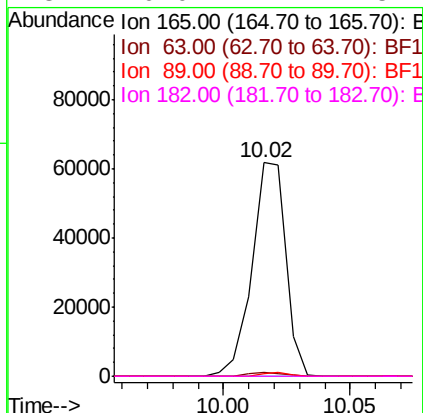
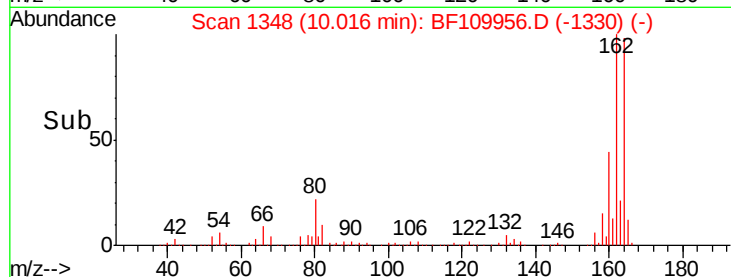
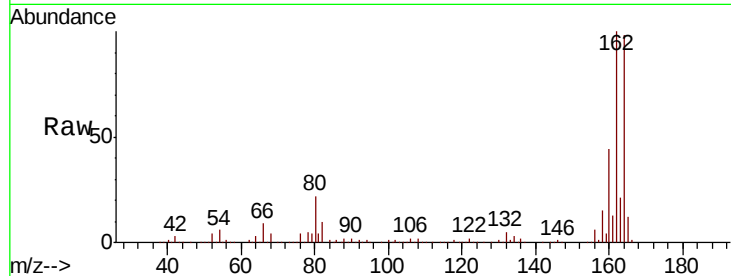




#57  
 2,4-Dinitrotoluene  
 Concen: 11.276 ng  
 RT: 10.02 min Scan# 1348  
 Delta R.T. -0.19 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

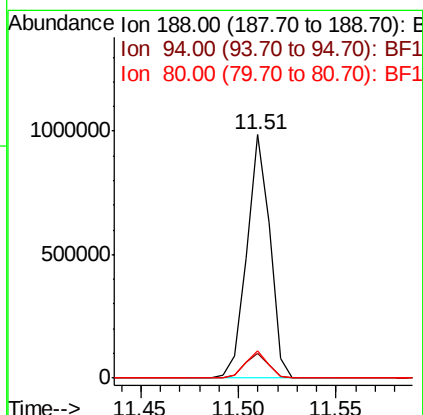
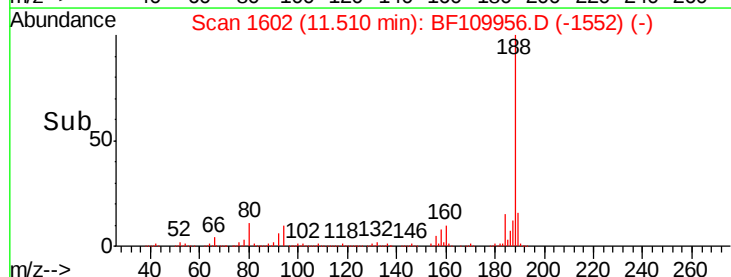
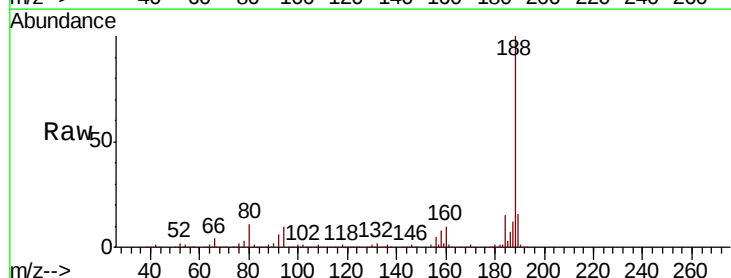
Instrument :  
 BNA\_F  
 ClientSampleId :

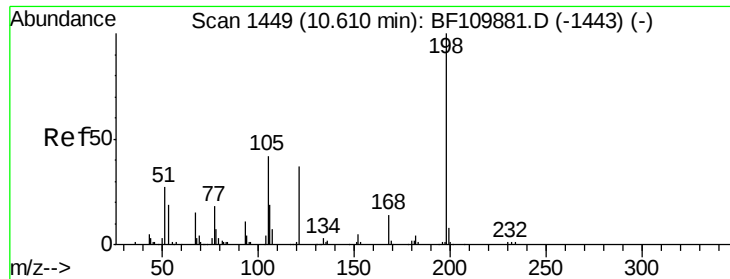
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 44.8  | 67.2# |
| 89      | 1.4   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. -0.01 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.3  | 7.2   | 10.8  |
| 80      | 11.4  | 7.9   | 11.9  |

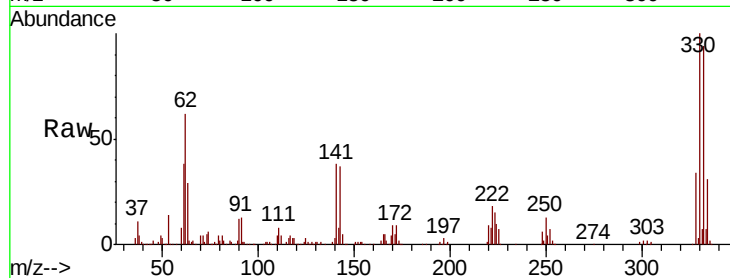




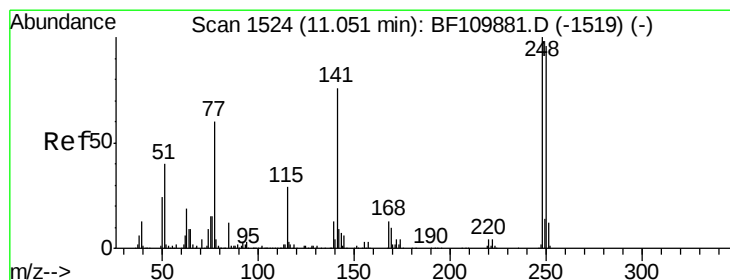
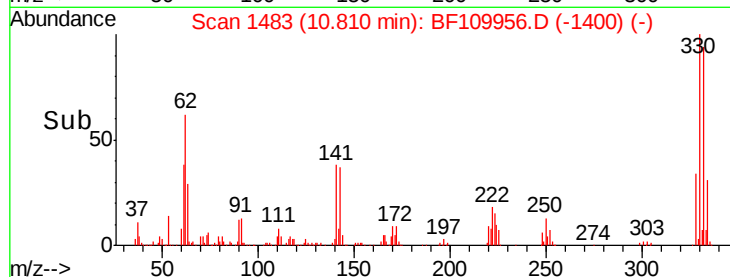
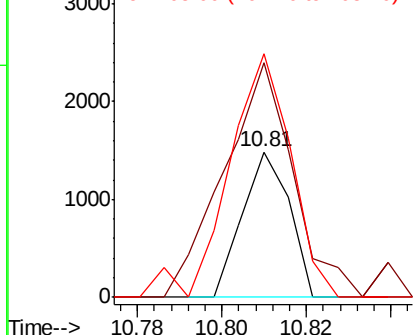
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.232 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. 0.19 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:198 Resp: 1148  
 Ion Ratio Lower Upper  
 198 100  
 51 161.4 22.8 62.8#  
 105 167.4 23.6 63.6#

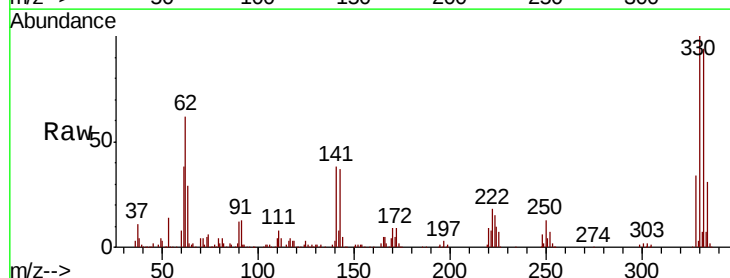


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

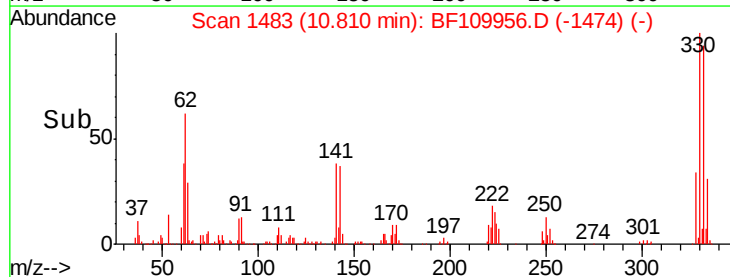
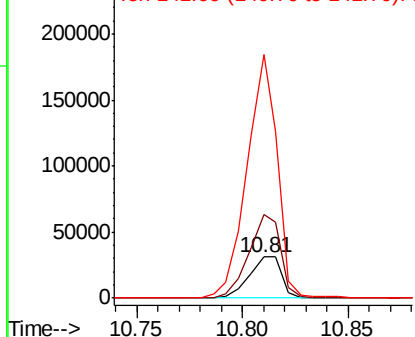


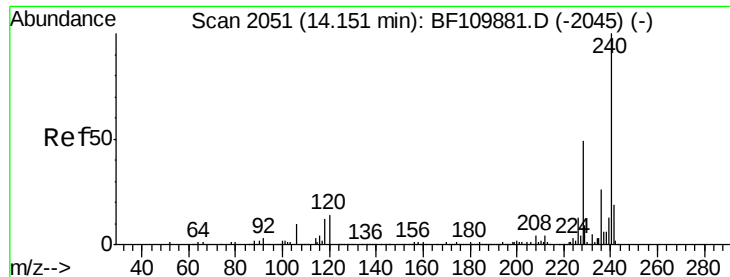
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.825 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. -0.25 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

Tgt Ion:248 Resp: 33538  
 Ion Ratio Lower Upper  
 248 100  
 250 202.7 79.4 119.2#  
 141 589.3 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

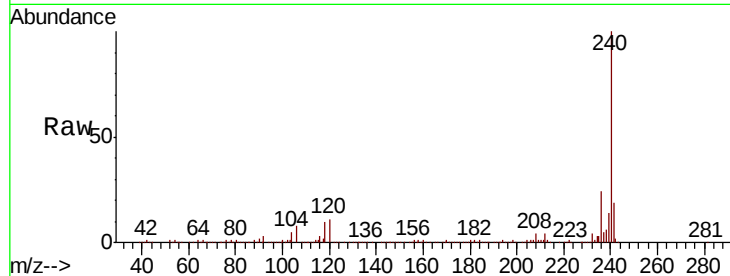




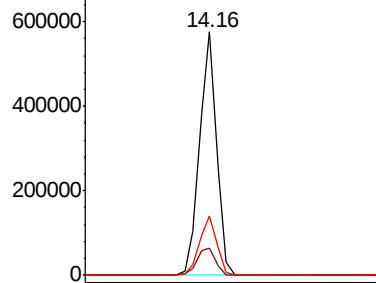
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.16 min Scan# 2052  
 Delta R.T. -0.01 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

Instrument :  
 BNA\_F  
 ClientSampleId :

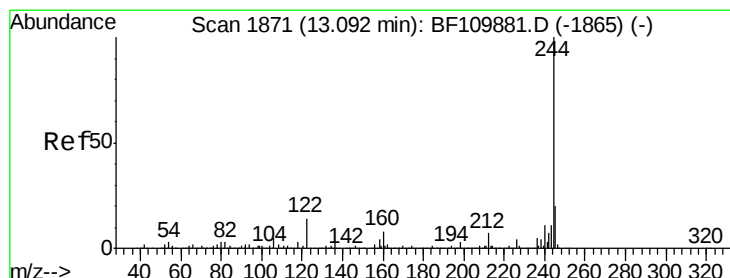
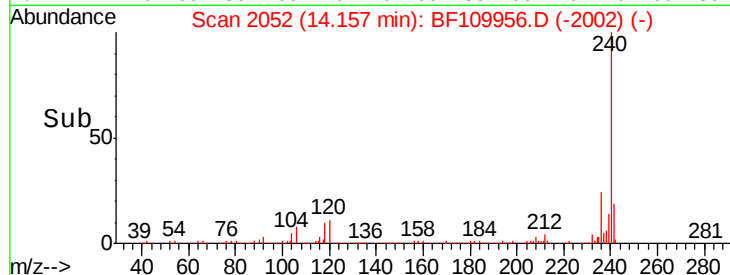
Tot Ion:240 Resp: 478303  
 Ion Ratio Lower Upper  
 240 100  
 120 11.4 8.3 12.5  
 236 24.5 21.2 31.8



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

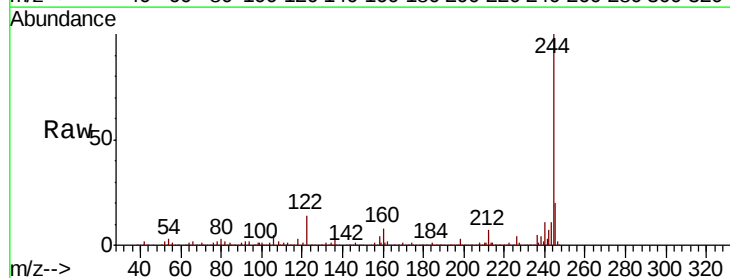


Time-->

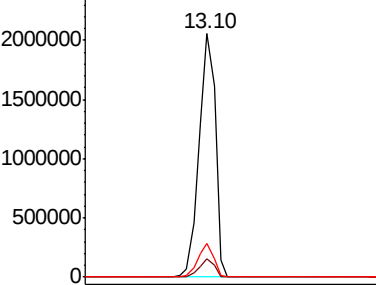


#79  
 Terphenyl-d14  
 Concen: 88.067 ng  
 RT: 13.10 min Scan# 1872  
 Delta R.T. -0.01 min  
 Lab File: BF109956.D  
 Acq: 18 Oct 2018 12:57

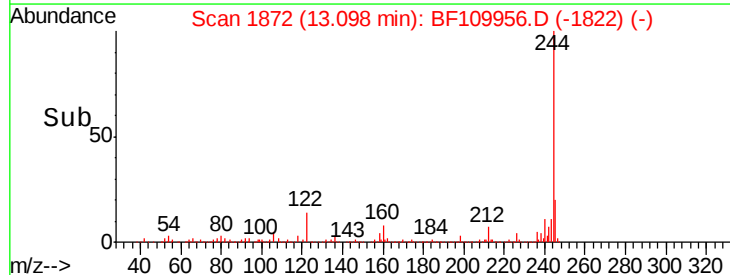
Tgt Ion:244 Resp: 2005907  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 14.0 8.7 13.1#

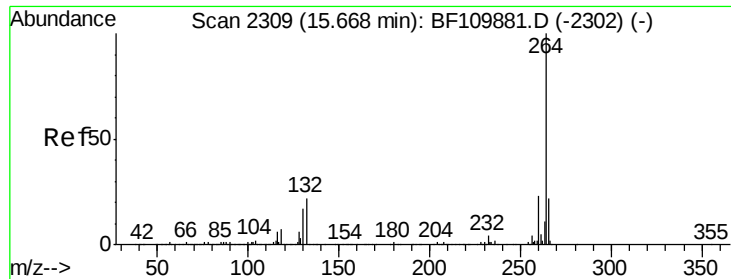


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



Time-->





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2312  
Delta R.T. -0.01 min  
Lab File: BF109956.D  
Acq: 18 Oct 2018 12:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.7  | 28.1  |
| 265     | 22.0  | 16.7  | 25.1  |

