

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\  
 Data File : BF109324.D  
 Acq On : 26 Sep 2018 8:41  
 Operator : JU/SJ  
 Sample : J5052-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-TIPC-E-U-B

Quant Time: Sep 26 11:46:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

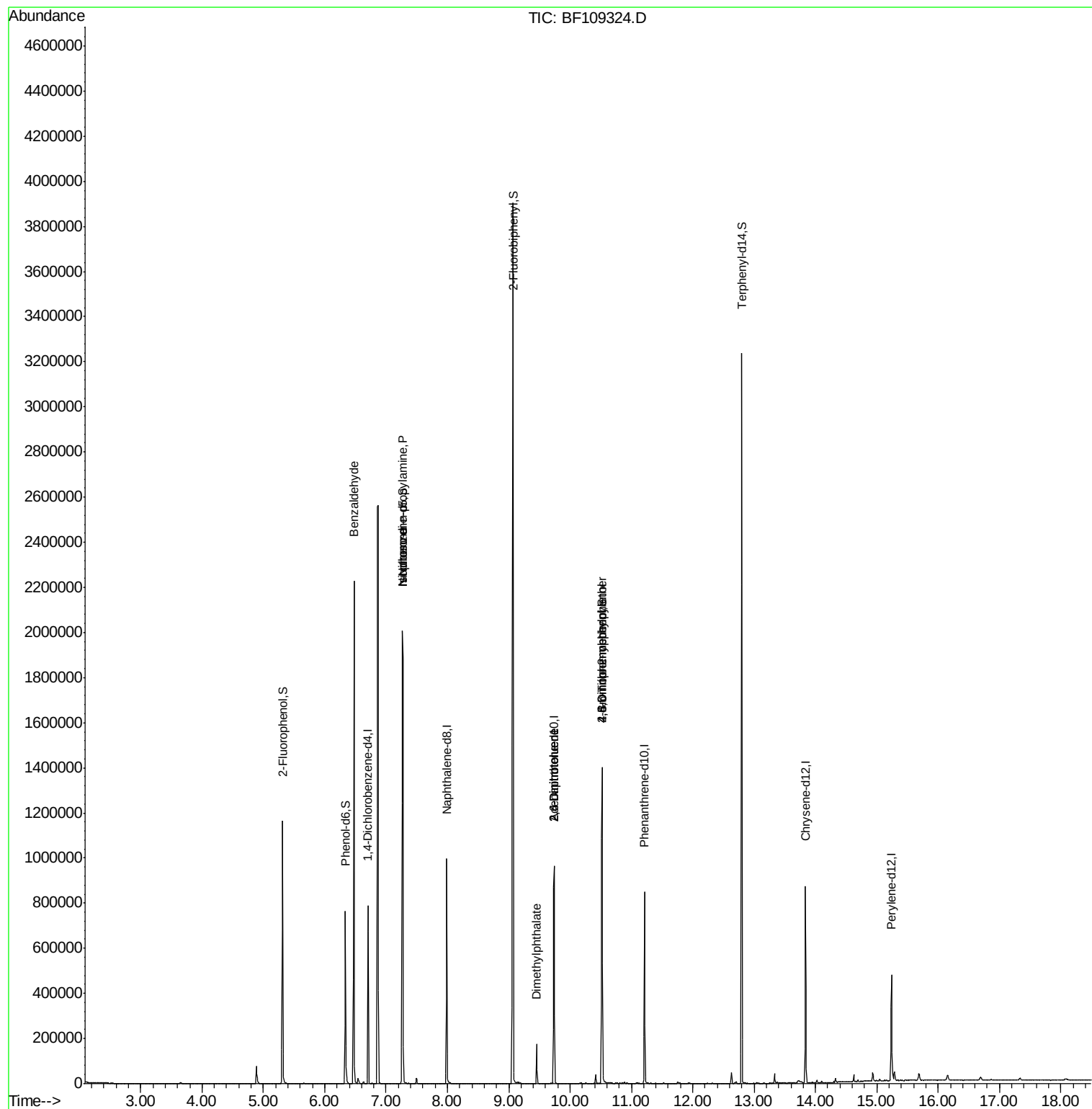
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 113836   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.99  | 136  | 422233   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.74  | 164  | 184250   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 305986   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.84 | 240  | 279247   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.24 | 264  | 203519   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 304318   | 44.03  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 243844   | 27.65  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.27  | 82   | 761253   | 106.43 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 166493   | 91.66  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1242882  | 101.74 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.80 | 244  | 1145145  | 100.64 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.47  | 77   | 13292    | 2.346  | ng    | # 71     |
| 19) n-Nitroso-di-n-propylamine | 7.27  | 70   | 103334   | 17.881 | ng    | # 78     |
| 25) Isophorone                 | 7.27  | 82   | 735479   | 57.102 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.46  | 163  | 67683    | 5.051  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.74  | 165  | 23337    | 8.793  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.74  | 165  | 23337    | 6.949  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 312      | 6.740  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 10195    | 3.000  | ng    | # 1      |

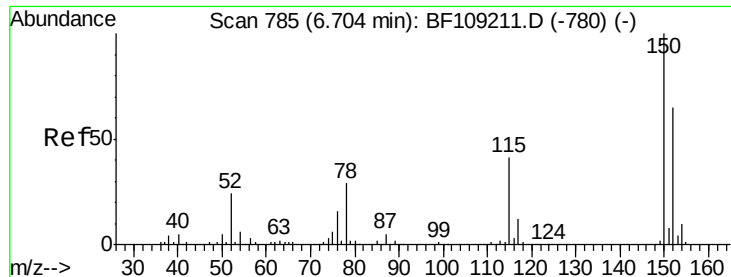
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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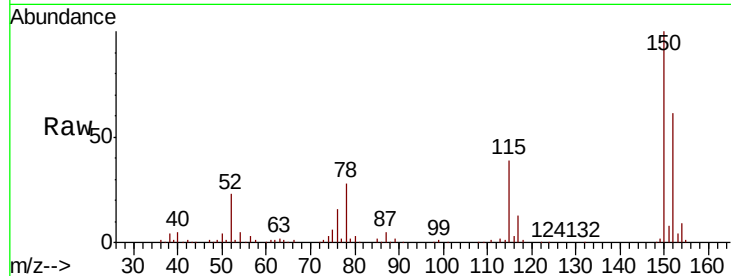


#1

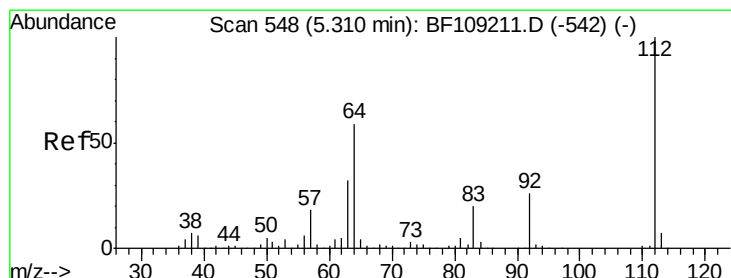
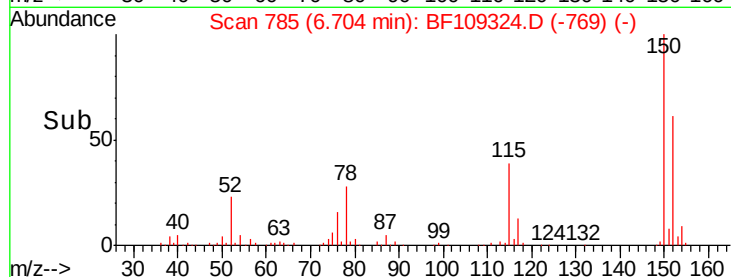
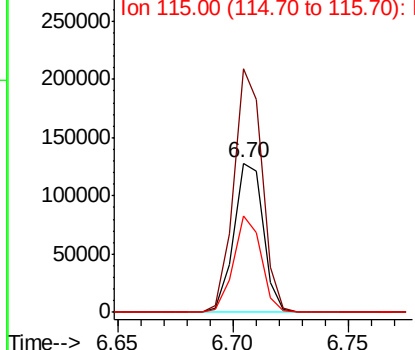
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Instrument :  
BNA\_F  
ClientSampleId :  
092018-TIPC-E-U-B

Tot Ion:152 Resp: 113836  
Ion Ratio Lower Upper  
152 100  
150 163.0 124.6 186.8  
115 64.4 50.1 75.1



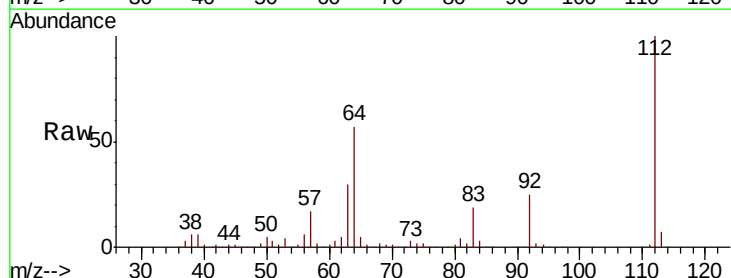
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



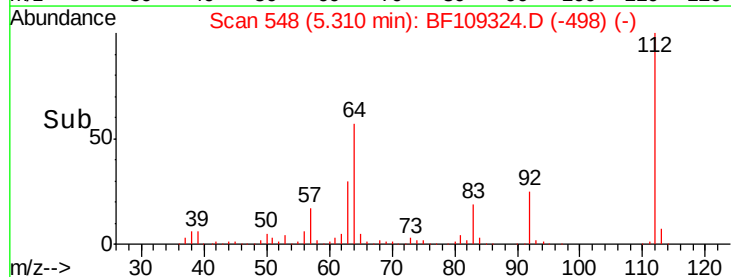
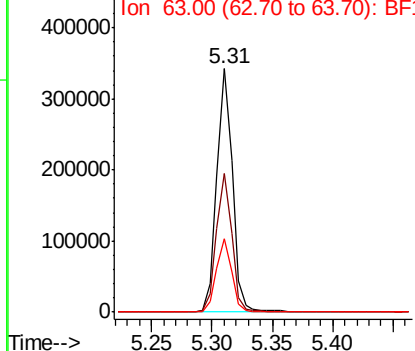
#5

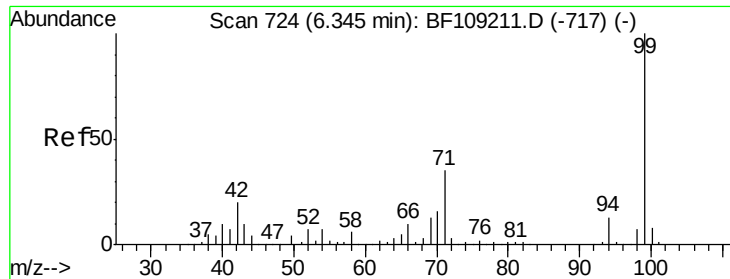
2-Fluorophenol  
Concen: 44.031 ng  
RT: 5.31 min Scan# 548  
Delta R.T. -0.01 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Tgt Ion:112 Resp: 304318  
Ion Ratio Lower Upper  
112 100  
64 56.8 47.9 71.9  
63 30.1 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: 27.649 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109324.D

Acq: 26 Sep 2018 8:41

Instrument :

BNA\_F

ClientSampleId :

092018-TIPC-E-U-B

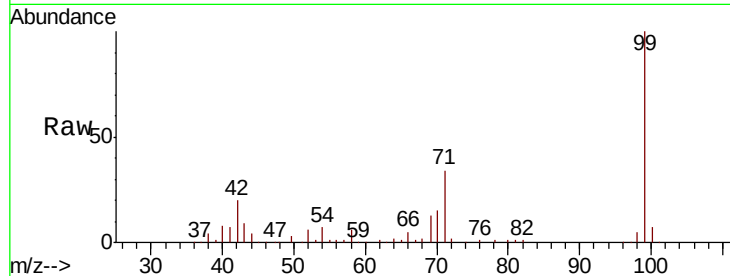
Tot Ion: 99 Resp: 243844

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

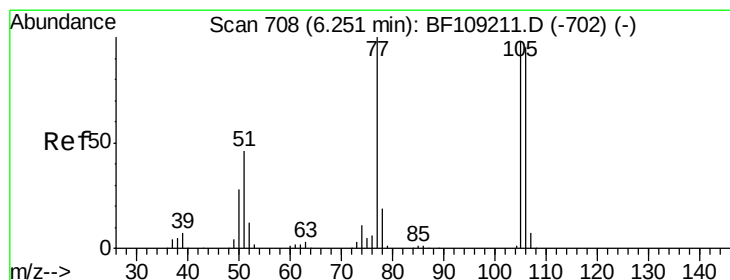
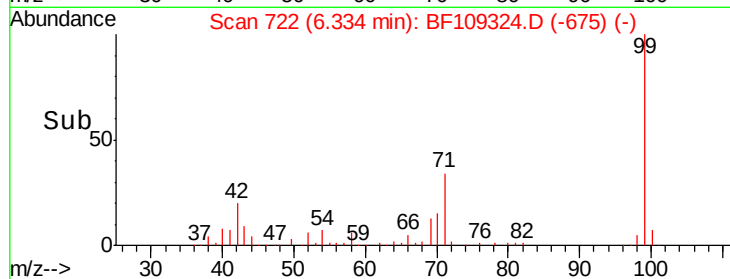
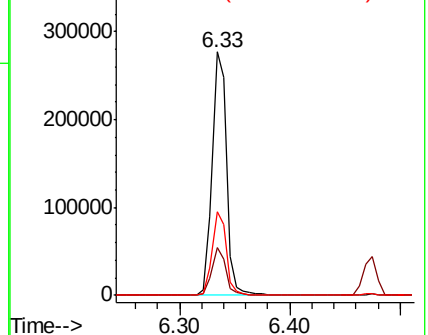
71 34.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.346 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109324.D

Acq: 26 Sep 2018 8:41

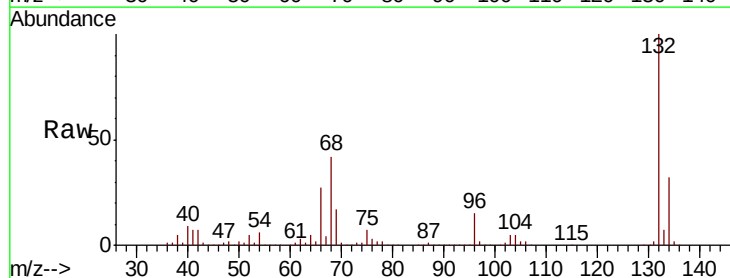
Tgt Ion: 77 Resp: 13292

Ion Ratio Lower Upper

77 100

105 72.1 81.1 121.1#

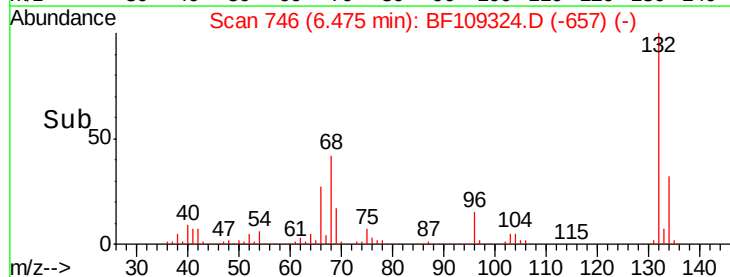
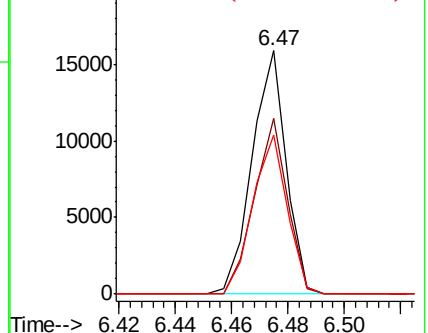
106 65.4 74.5 114.5#

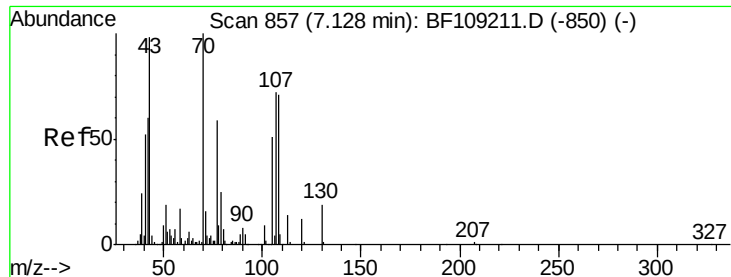


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

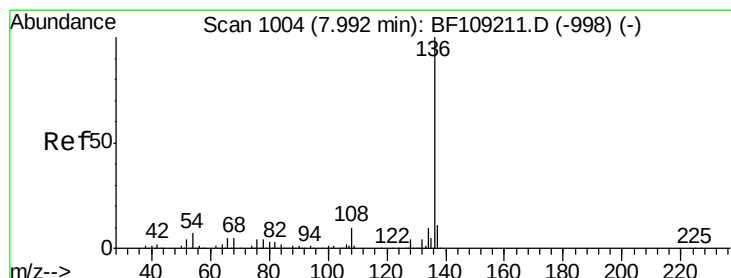
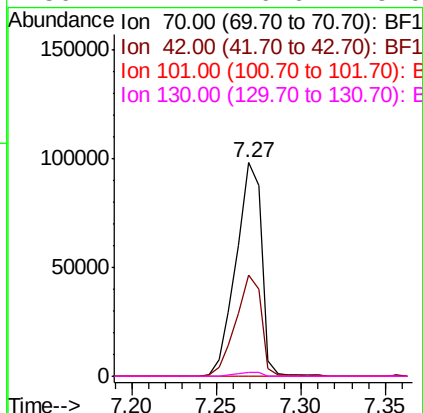
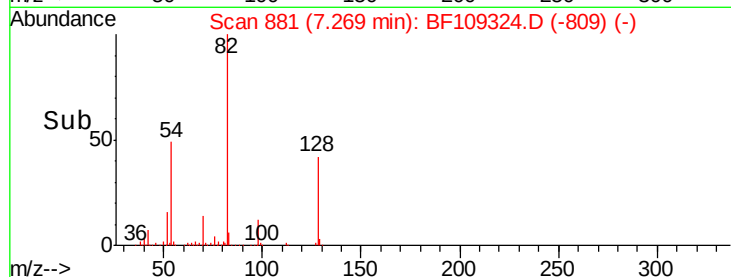
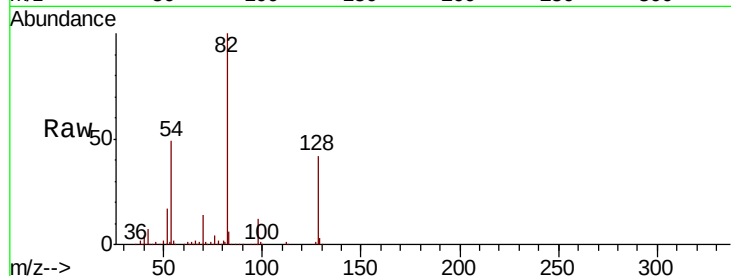




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.881 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.12 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

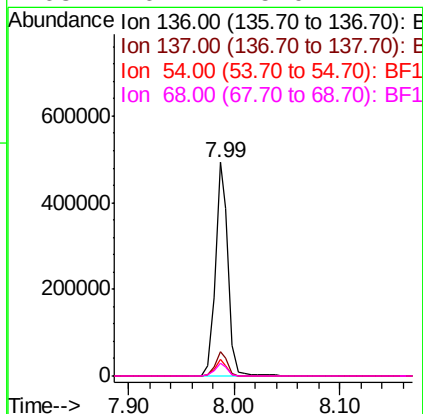
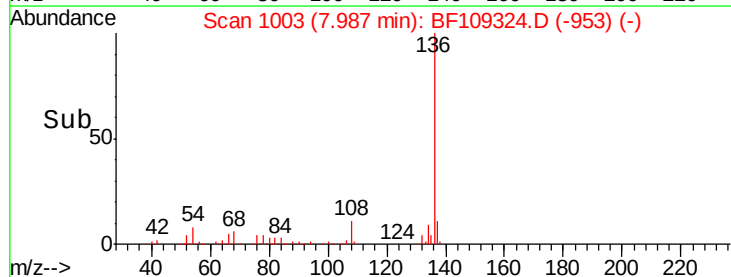
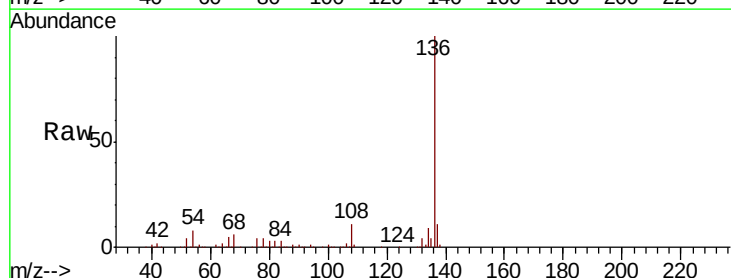
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BNA\_F  
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092018-TIPC-E-U-B

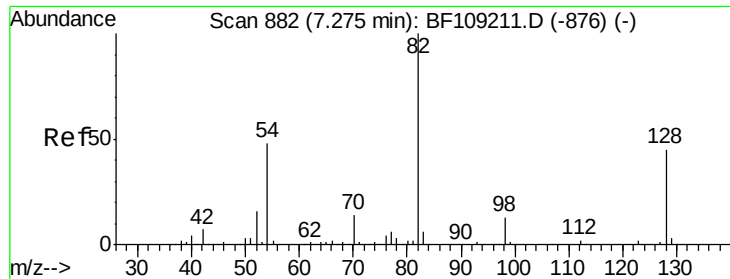
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 47.5 | 47.5  | 71.3# |       |
| 101     | 0.0  | 7.4   | 11.2# |       |
| 130     | 2.1  | 16.6  | 25.0# |       |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 136     | 100  |       |       |       |
| 137     | 11.2 | 8.9   | 13.3  |       |
| 54      | 7.7  | 6.6   | 9.8   |       |
| 68      | 6.1  | 5.0   | 7.4   |       |

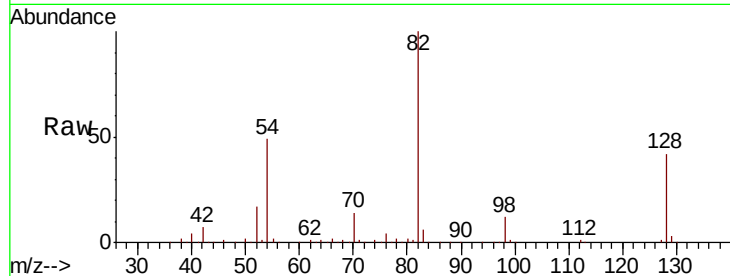




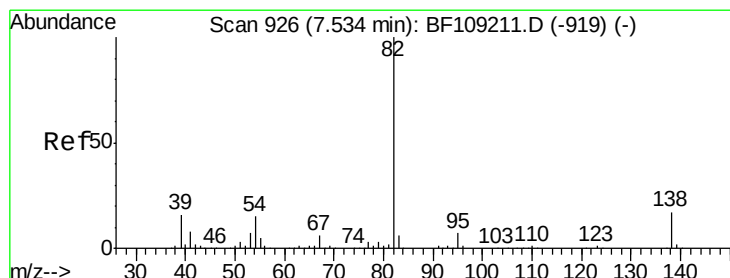
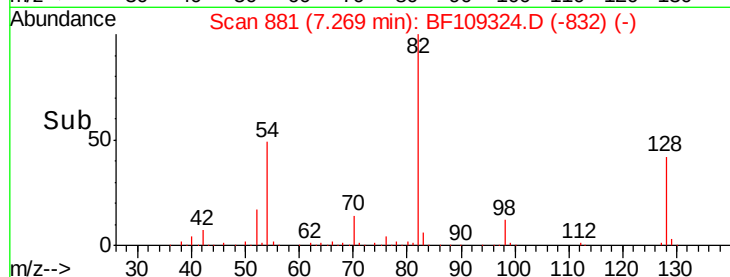
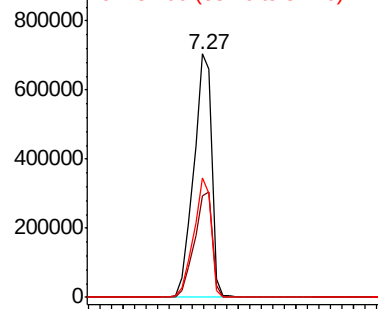
#23  
 Nitrobenzene-d5  
 Concen: 106.429 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-TIPC-E-U-B

| Tot Ion   | 82    | Resp  | 761253 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.0  | 36.1  | 54.1   |
| 54        | 48.9  | 41.4  | 62.2   |

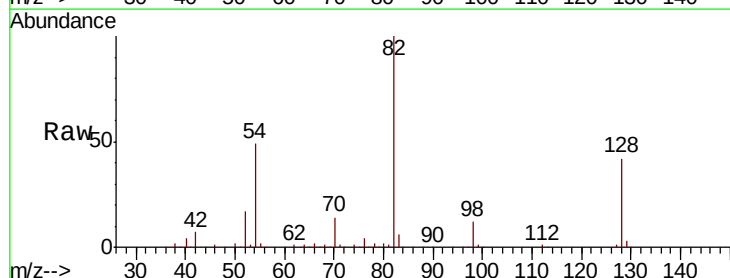


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

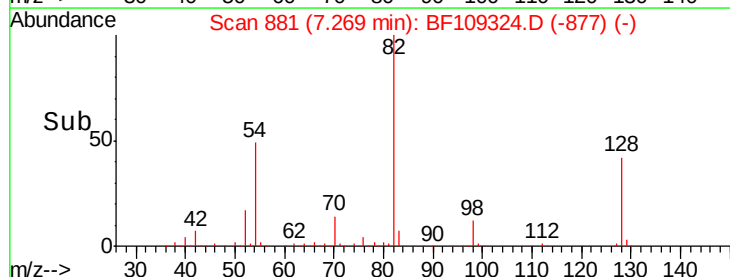
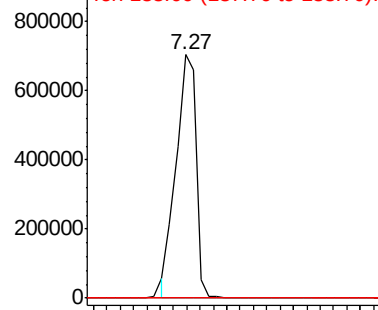


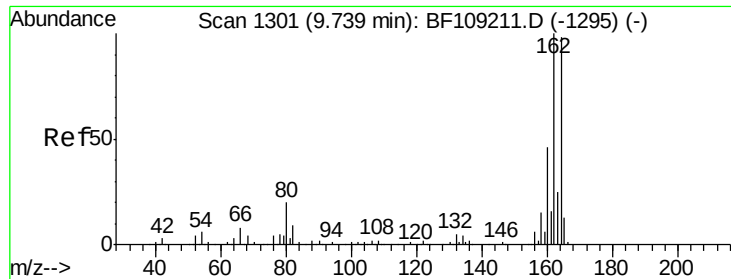
#25  
 Isophorone  
 Concen: 57.102 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.28 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

| Tgt Ion   | 82    | Resp  | 735479 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.2   | 7.8#   |
| 138       | 0.0   | 14.9  | 22.3#  |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

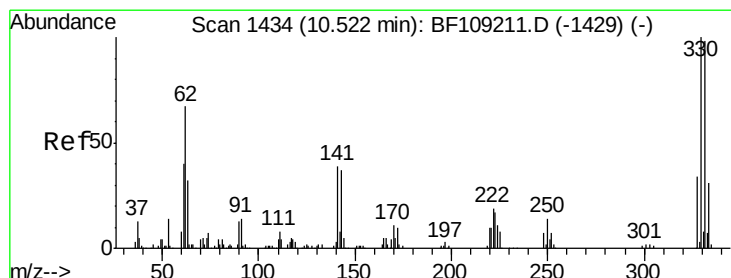
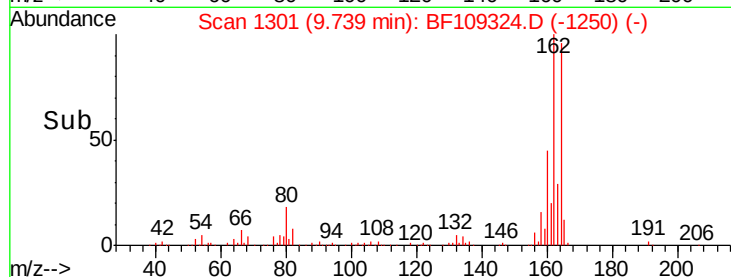
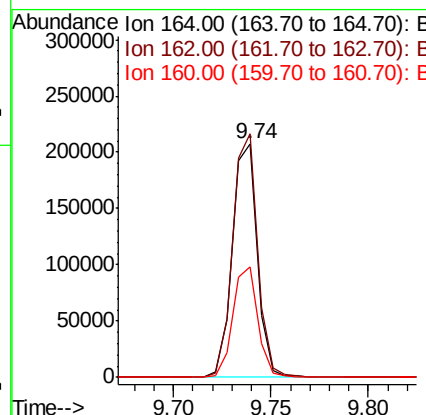
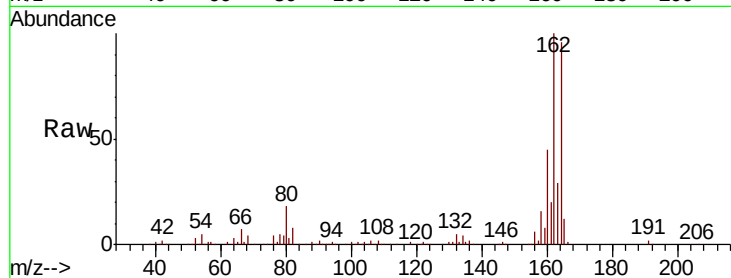




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. 0.00 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

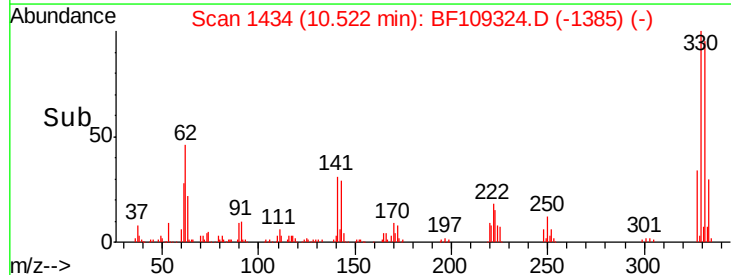
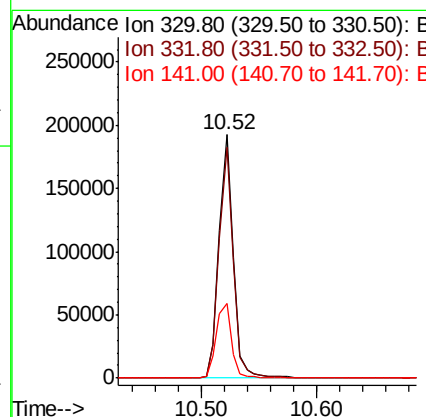
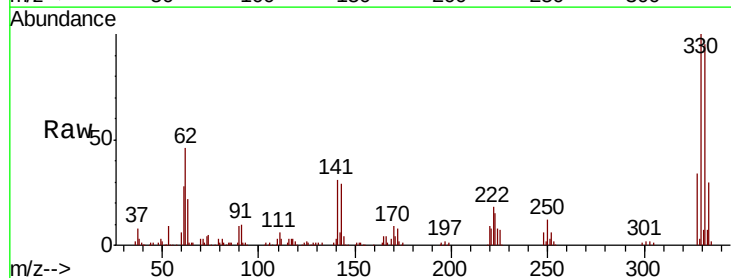
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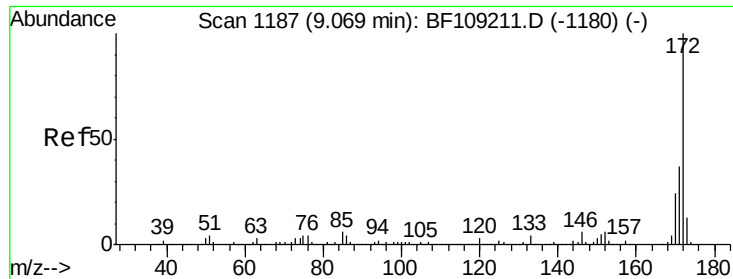
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 86.1  | 129.1 |
| 160     | 47.3  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 91.665 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.0  | 115.6 |
| 141     | 33.2  | 29.9  | 44.9  |

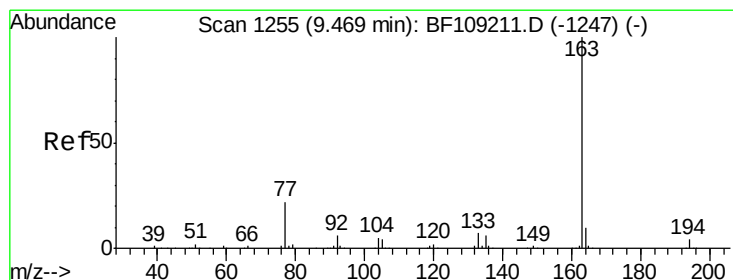
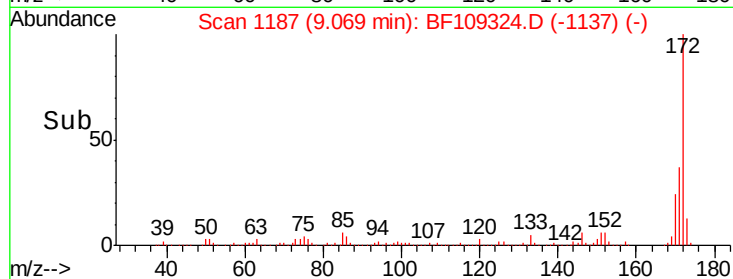
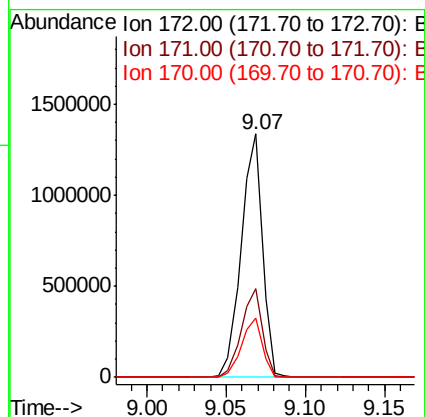
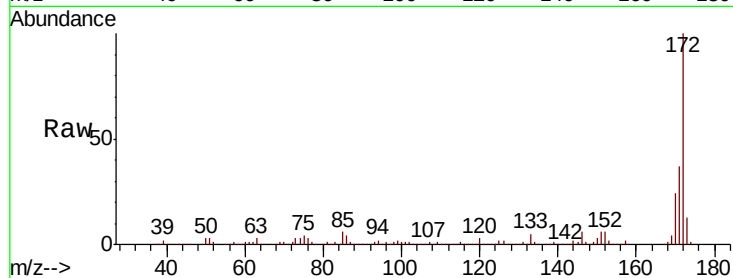




#44  
2-Fluorobiphenyl  
Concen: 101.737 ng  
RT: 9.07 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

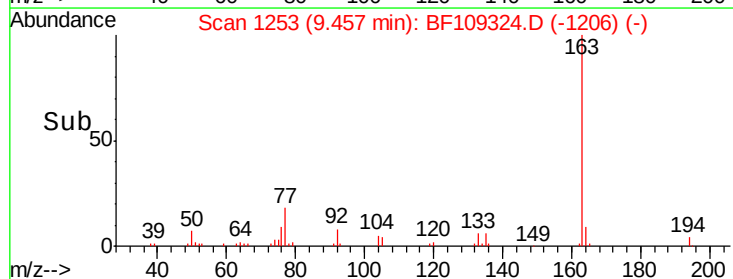
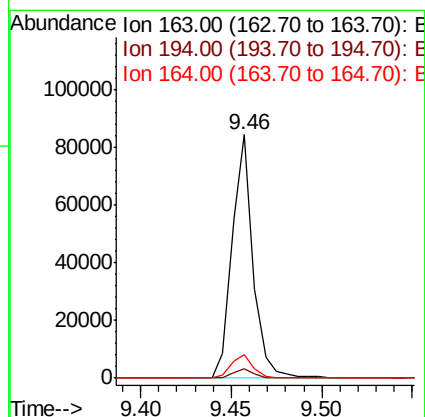
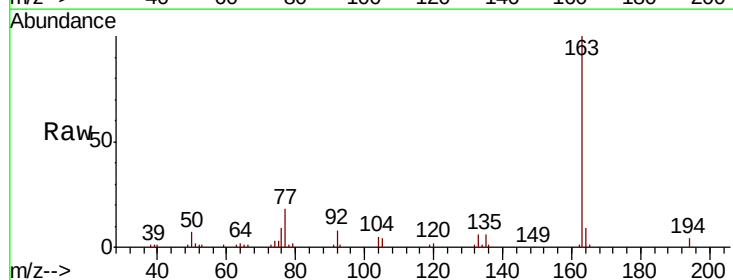
Instrument :  
BNA\_F  
ClientSampleId :  
092018-TIPC-E-U-B

Tot Ion:172 Resp: 1242882  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.7 44.5  
170 24.5 19.6 29.4

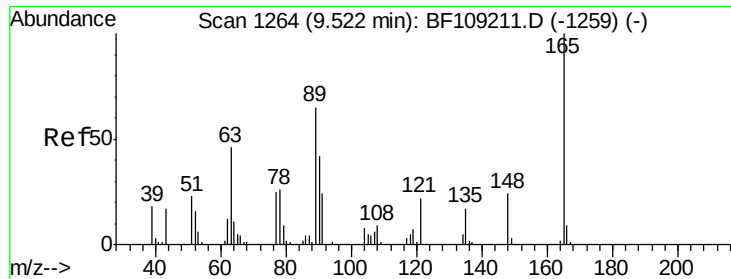


#49  
Dimethylphthalate  
Concen: 5.051 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Tgt Ion:163 Resp: 67683  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.4 8.2 12.2



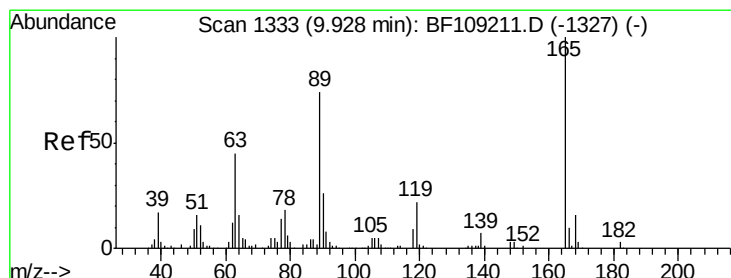
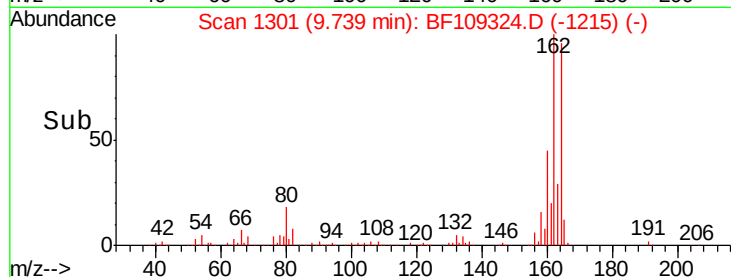
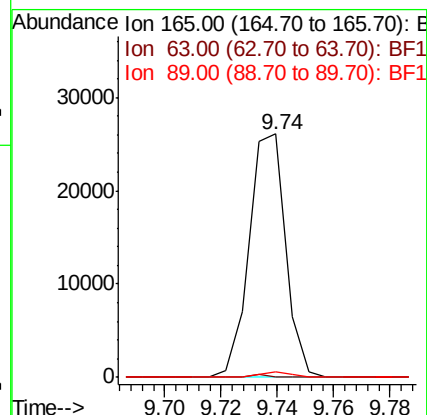
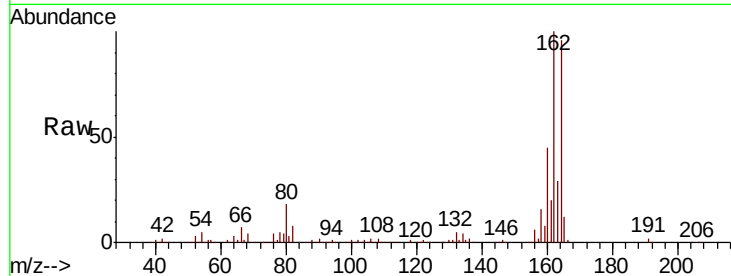




#50  
 2,6-Dinitrotoluene  
 Concen: 8.793 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. 0.21 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

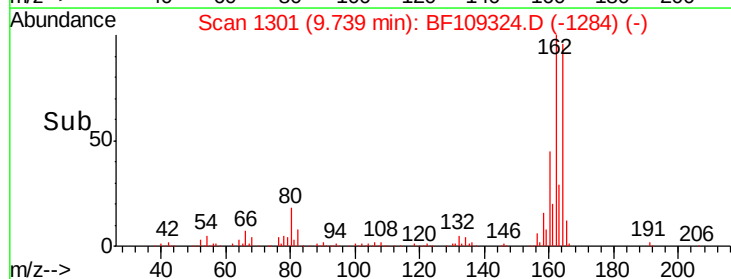
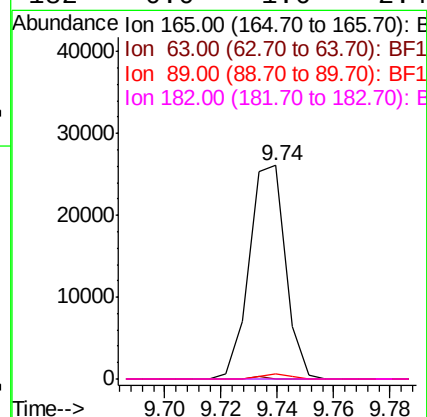
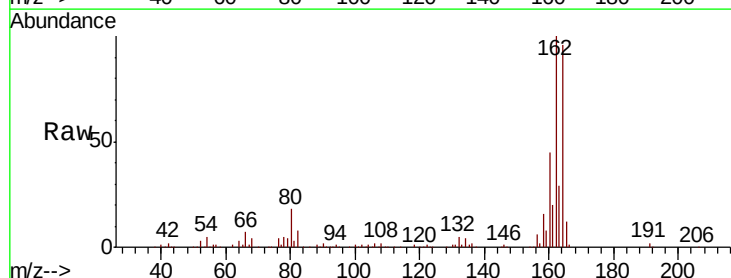
Instrument :  
 BNA\_F  
 ClientSampleId :  
 092018-TIPC-E-U-B

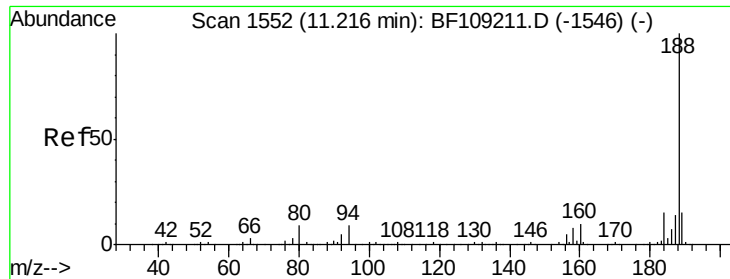
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 2.4   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.949 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. -0.20 min  
 Lab File: BF109324.D  
 Acq: 26 Sep 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 2.4   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

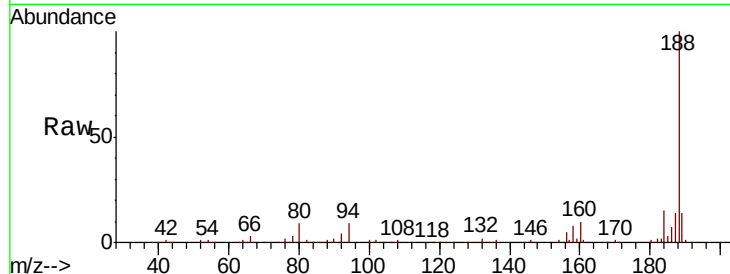




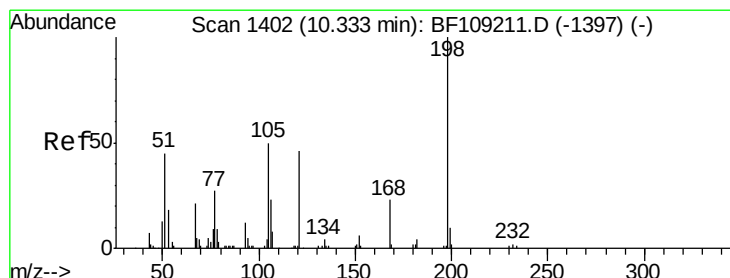
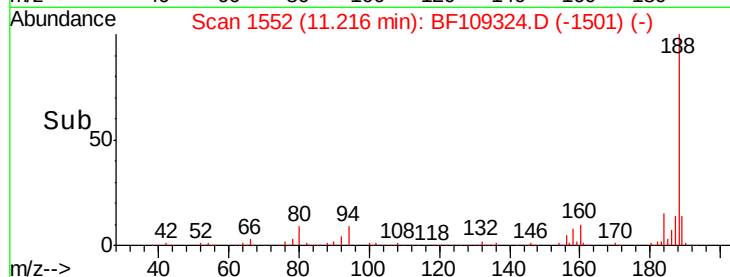
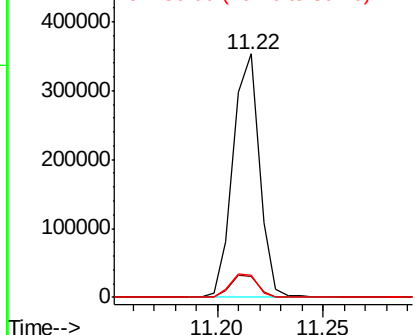
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. 0.00 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Instrument :  
BNA\_F  
ClientSampleId :  
092018-TIPC-E-U-B

Tot Ion:188 Resp: 305986  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.5 12.7  
80 8.9 9.2 13.8#

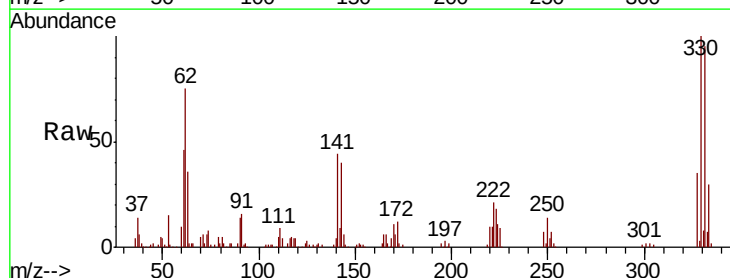


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

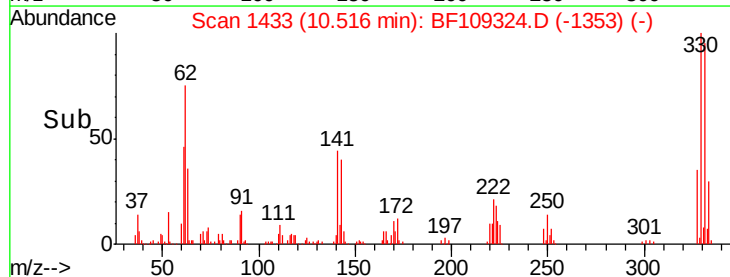
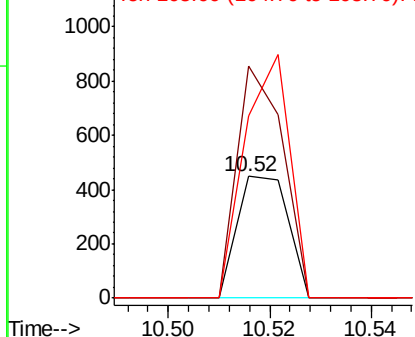


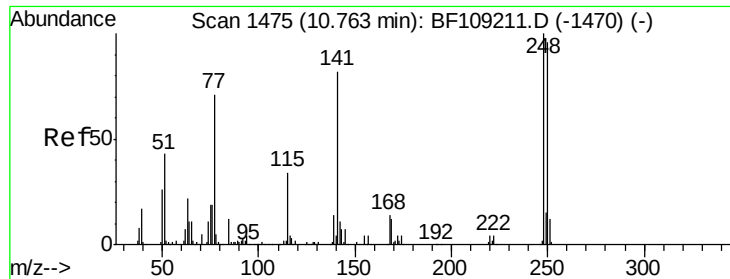
#64  
4,6-Dinitro-2-methylphenol  
Concen: 6.740 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.17 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Tgt Ion:198 Resp: 312  
Ion Ratio Lower Upper  
198 100  
51 190.2 37.7 77.7#  
105 149.2 36.3 76.3#



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

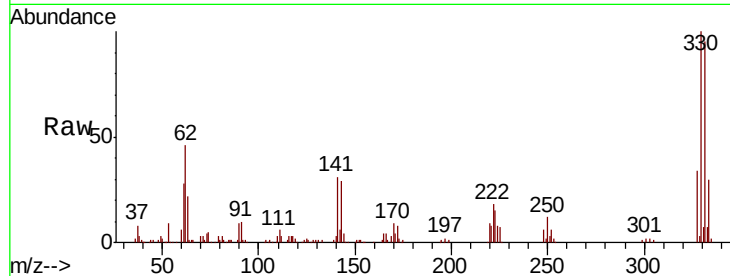




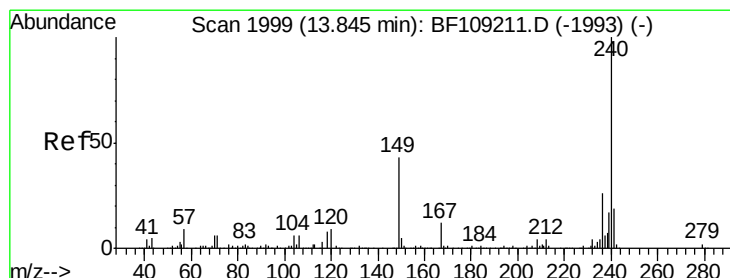
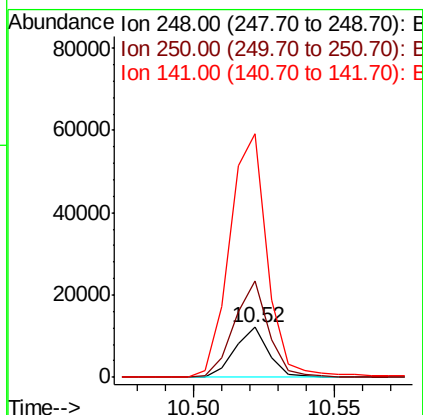
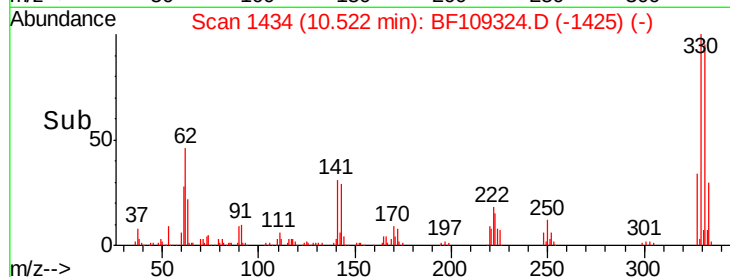
#66  
4-Bromophenyl-phenylether  
Concen: 3.000 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.25 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Instrument :  
BNA\_F  
ClientSampleId :  
092018-TIPC-E-U-B

Tot Ion:248 Resp: 10195  
Ion Ratio Lower Upper  
248 100  
250 192.3 76.9 115.3#  
141 484.6 74.4 111.6#

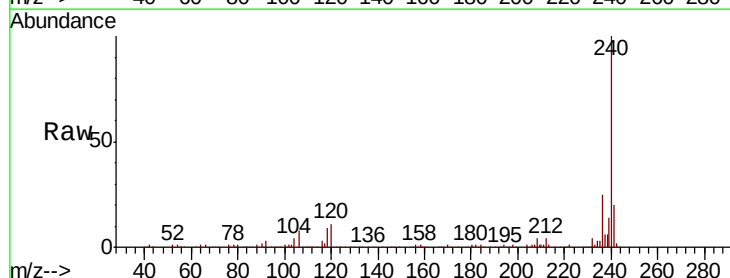


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

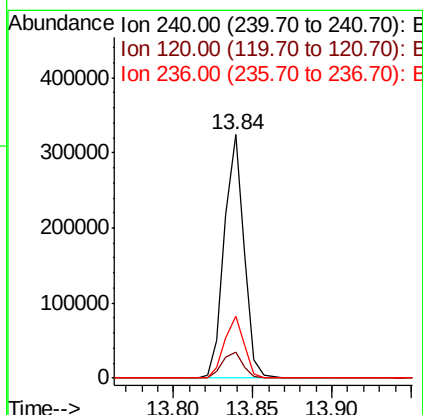
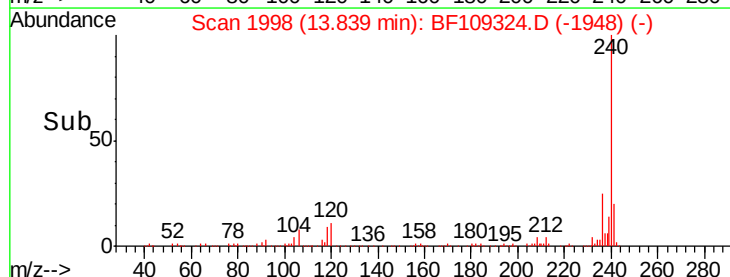


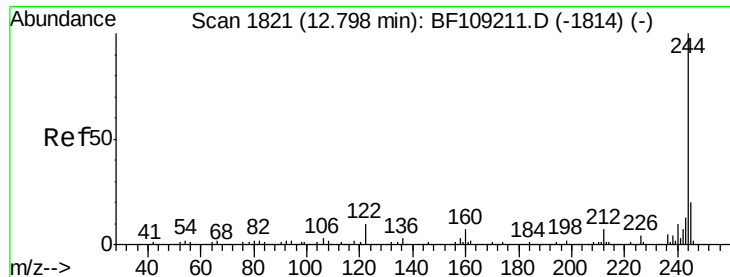
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF109324.D  
Acq: 26 Sep 2018 8:41

Tgt Ion:240 Resp: 279247  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.5 14.3  
236 25.4 20.7 31.1



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





#78

Terphenyl-d14

Concen: 100.641 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109324.D

Acq: 26 Sep 2018 8:41

Instrument :

BNA\_F

ClientSampleId :

092018-TIPC-E-U-B

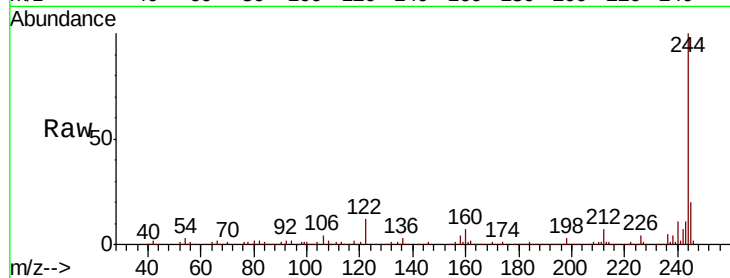
Tot Ion:244 Resp: 1145145

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

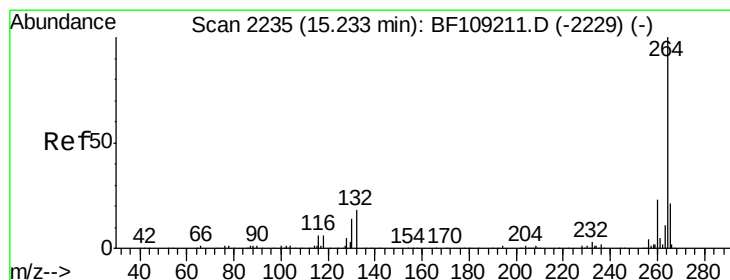
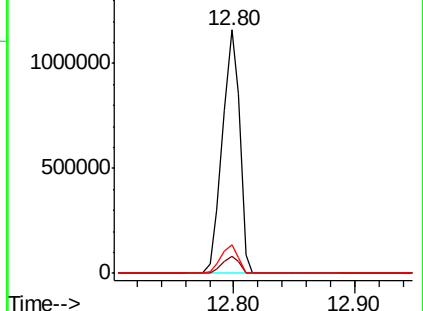
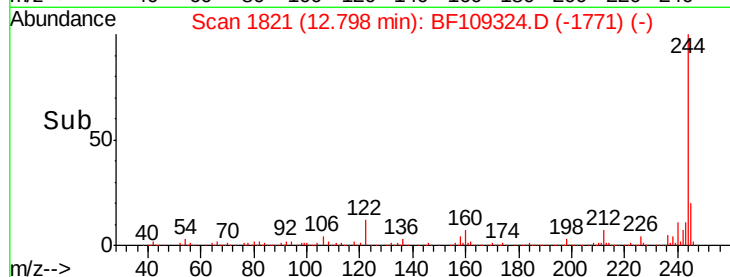
122 12.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109324.D

Acq: 26 Sep 2018 8:41

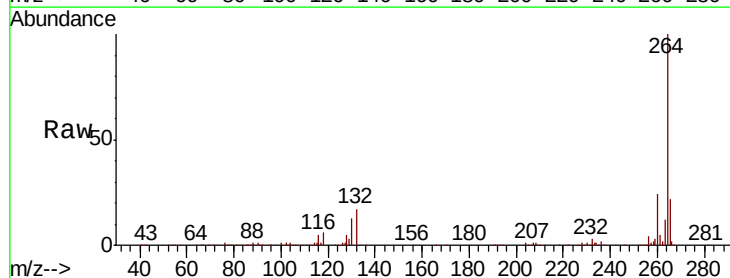
Tgt Ion:264 Resp: 203519

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

