

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110135.D  
 Acq On : 25 Oct 2018 1:26  
 Operator : JU/SJ  
 Sample : J5640-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 25 09:04:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 25 02:28:50 2018  
 Response via : Initial Calibration

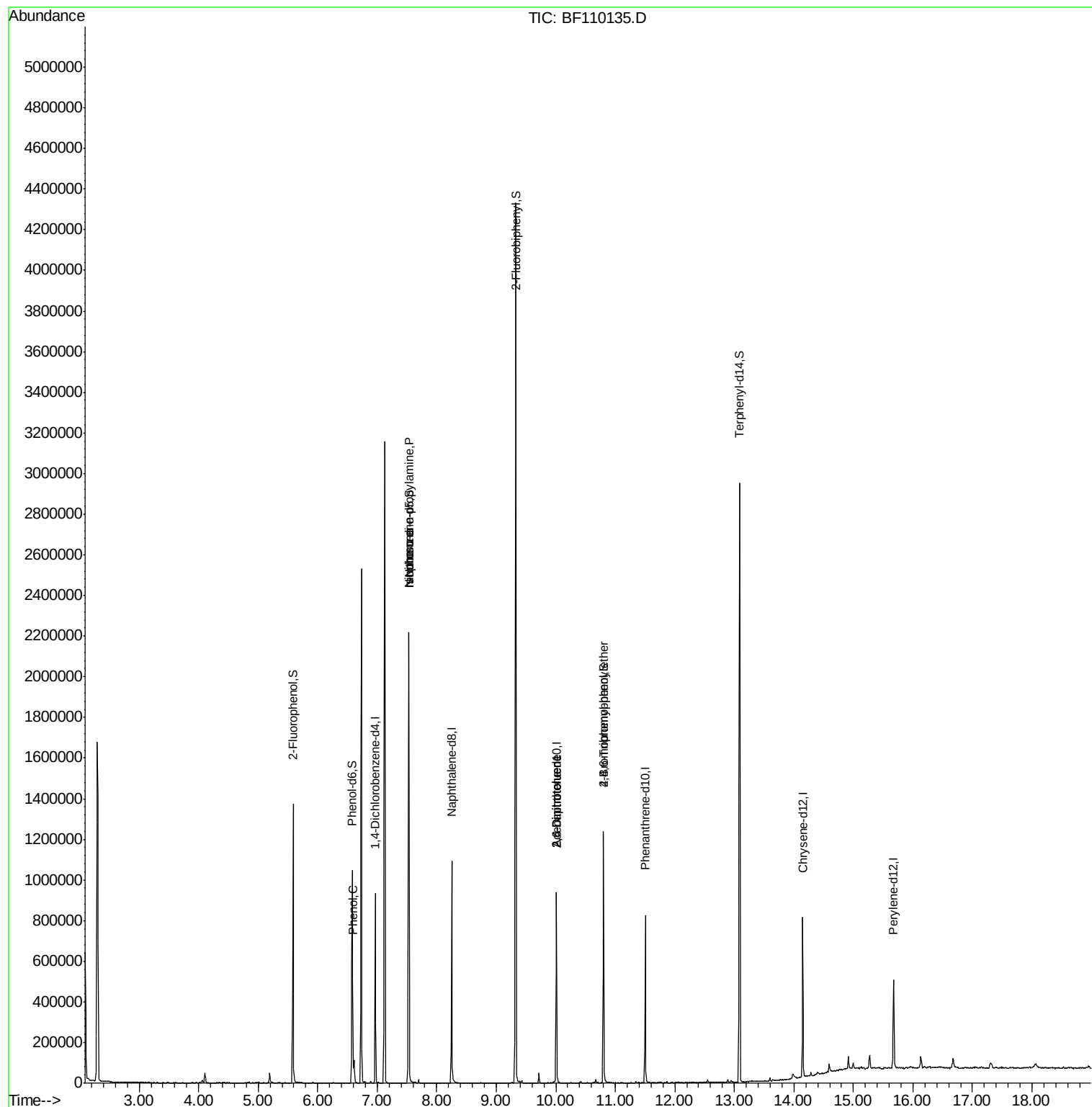
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 135222   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 473079   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 10.01 | 164  | 180106   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10           | 11.50 | 188  | 298312   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 14.15 | 240  | 252237   | 20.00     | ng     | 0.00     |
| 87) Perylene-d12               | 15.67 | 264  | 174935   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.59  | 112  | 362449   | 43.65     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.58  | 99   | 299695   | 28.22     | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 761273   | 95.45     | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.80 | 330  | 141380   | 79.25     | ng     | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.33  | 172  | 1278175  | 111.44    | ng     | 0.00     |
| 79) Terphenyl-d14              | 13.09 | 244  | 1040539  | 85.79     | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.58  | 77   | 661      | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.59  | 94   | 24341    | 2.144 ng  | #      | 66       |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 103023   | 15.120 ng | #      | 78       |
| 25) Isophorone                 | 7.53  | 82   | 761257   | 55.992 ng | #      | 67       |
| 51) 2,6-Dinitrotoluene         | 10.01 | 165  | 22746    | 7.943 ng  | #      | 22       |
| 57) 2,4-Dinitrotoluene         | 10.01 | 165  | 22746    | 6.253 ng  | #      | 18       |
| 67) 4-Bromophenyl-phenylether  | 10.80 | 248  | 8950     | 2.766 ng  | #      | 1        |

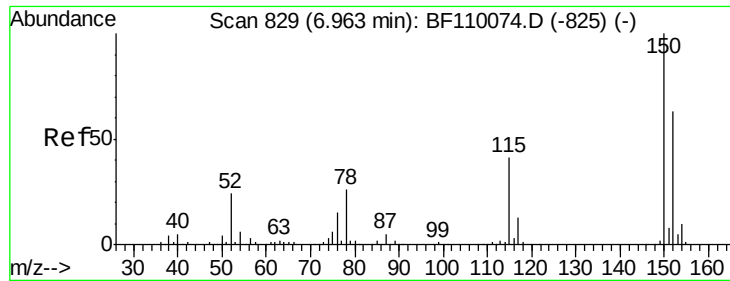
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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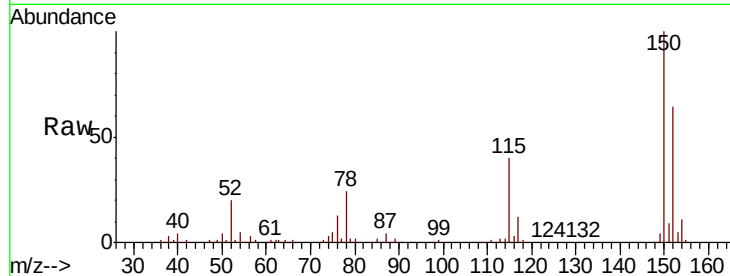


#1

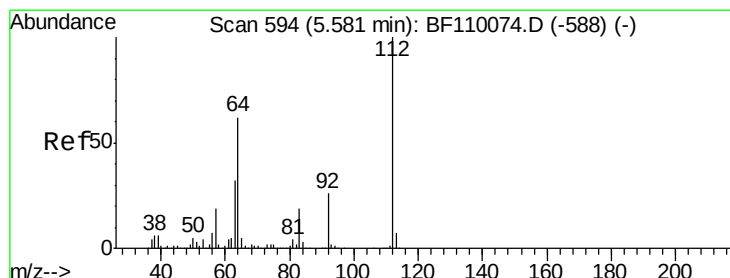
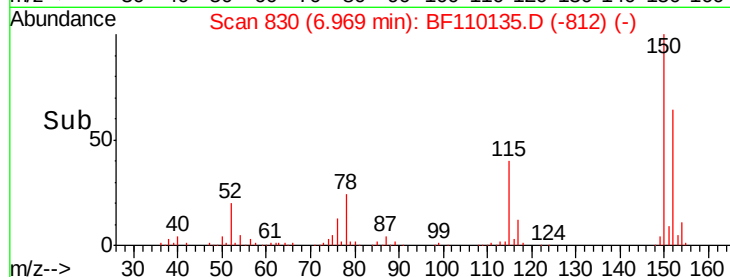
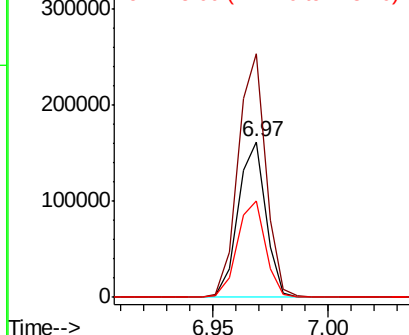
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 135222  
Ion Ratio Lower Upper  
152 100  
150 156.5 122.7 184.1  
115 62.1 49.1 73.7



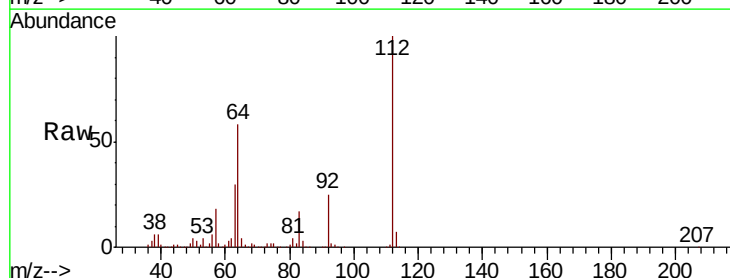
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



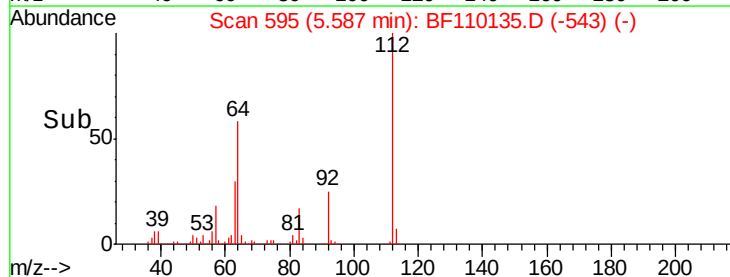
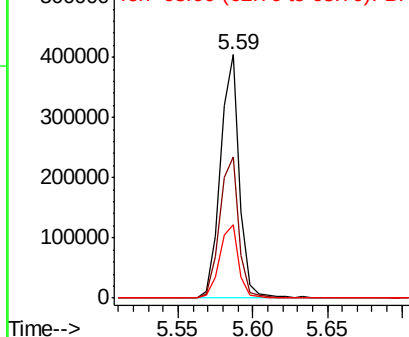
#5

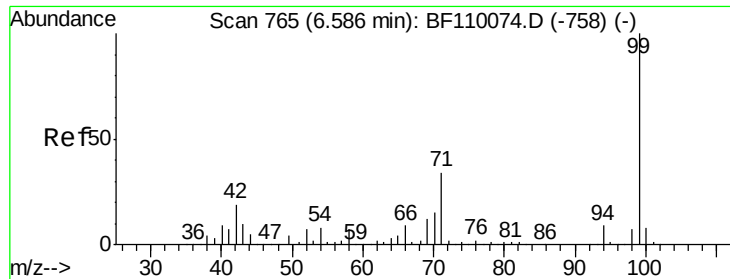
2-Fluorophenol  
Concen: 43.649 ng  
RT: 5.59 min Scan# 595  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Tgt Ion:112 Resp: 362449  
Ion Ratio Lower Upper  
112 100  
64 58.0 44.1 66.1  
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: 28.217 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

Instrument :

BNA\_F

ClientSampled :

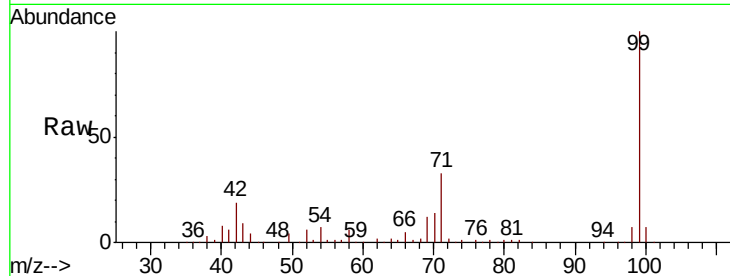
Tot Ion: 99 Resp: 299695

Ion Ratio Lower Upper

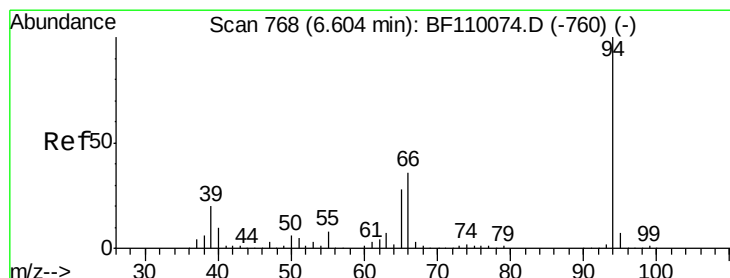
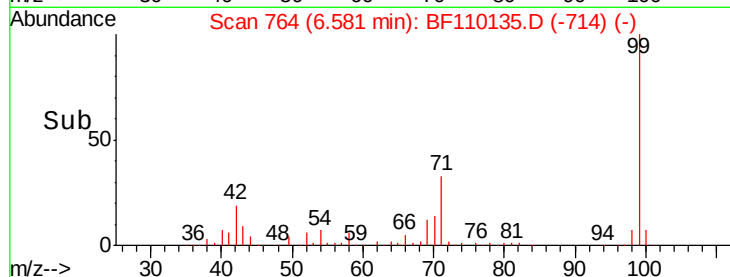
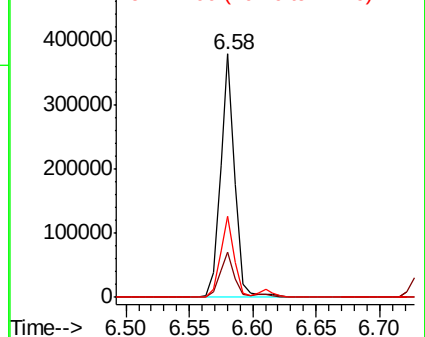
99 100

42 18.7 15.8 23.6

71 33.2 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: 2.144 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

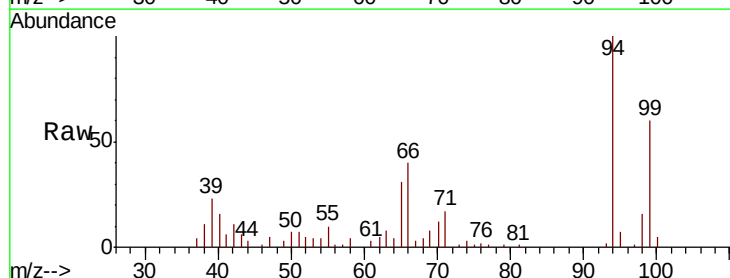
Tgt Ion: 94 Resp: 24341

Ion Ratio Lower Upper

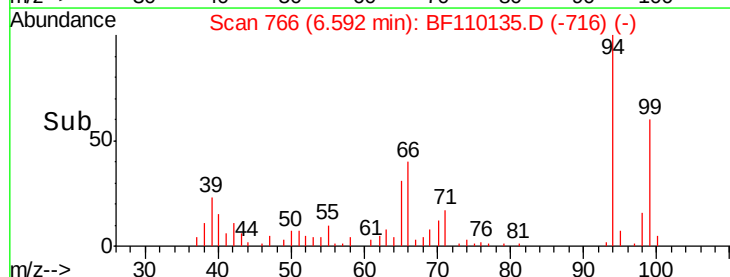
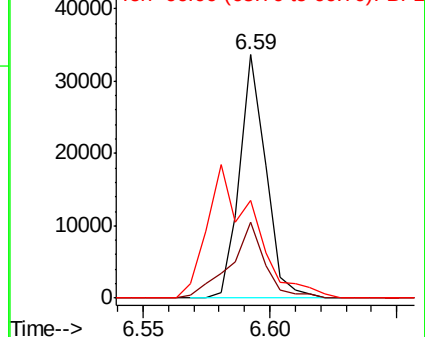
94 100

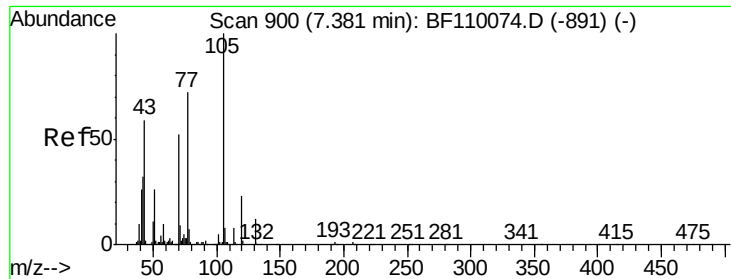
65 31.0 25.3 65.3

66 39.9 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

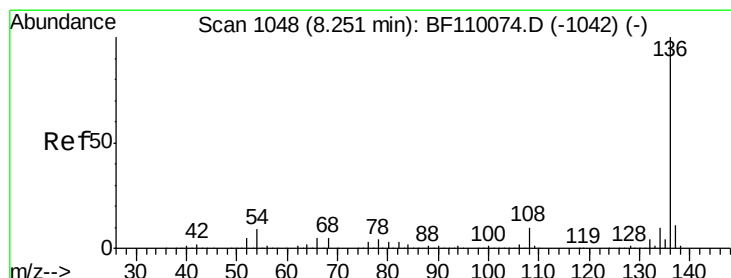
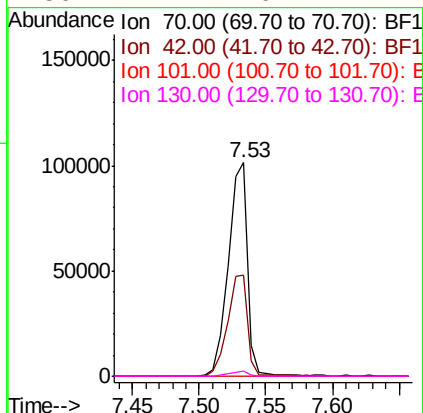
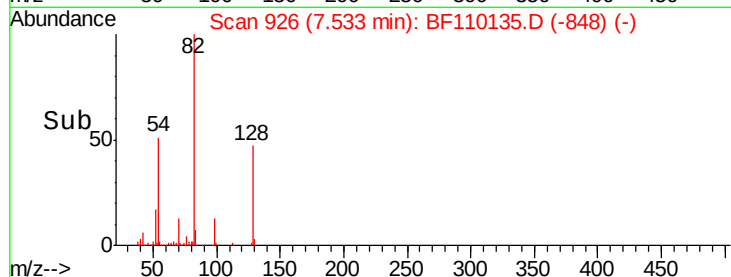
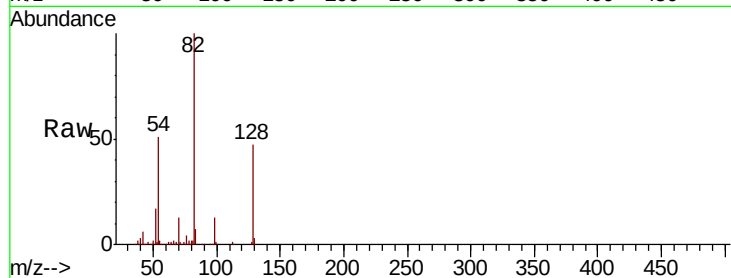




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.120 ng  
RT: 7.53 min Scan# 926  
Delta R.T. 0.16 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

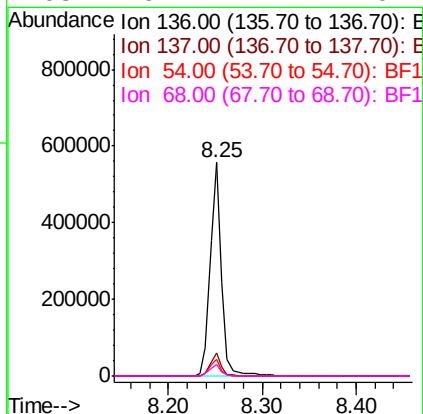
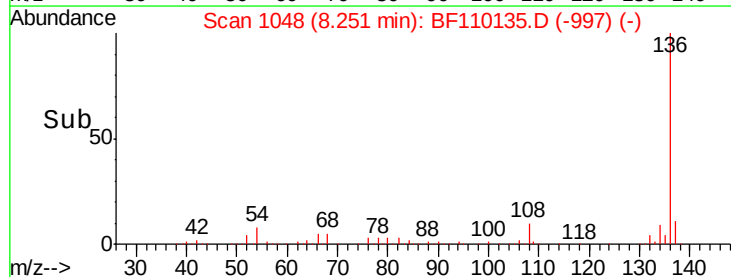
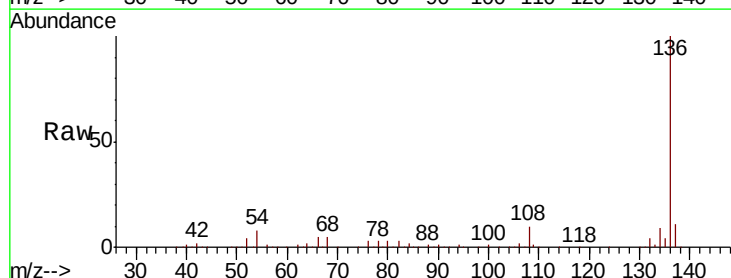
Instrument :  
BNA\_F  
ClientSampleId :

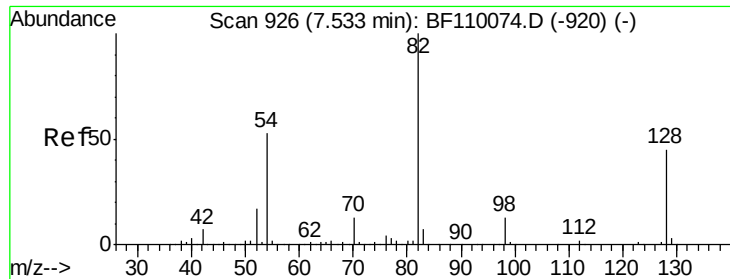
Tot Ion: 70 Resp: 103023  
Ion Ratio Lower Upper  
70 100  
42 47.1 47.4 71.2#  
101 0.0 7.3 10.9#  
130 2.2 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Tgt Ion: 136 Resp: 473079  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 7.6 5.4 8.2  
68 5.4 4.2 6.2

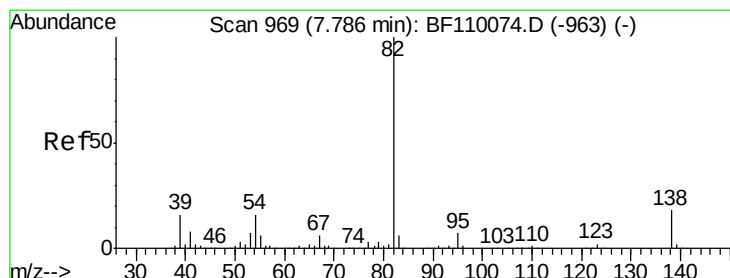
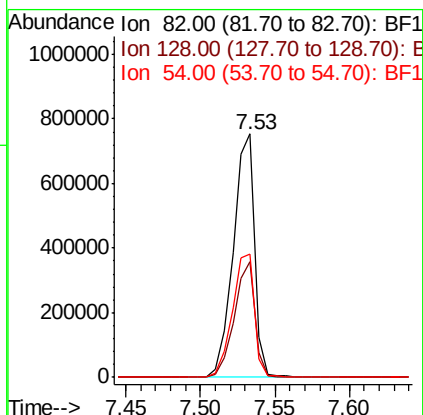
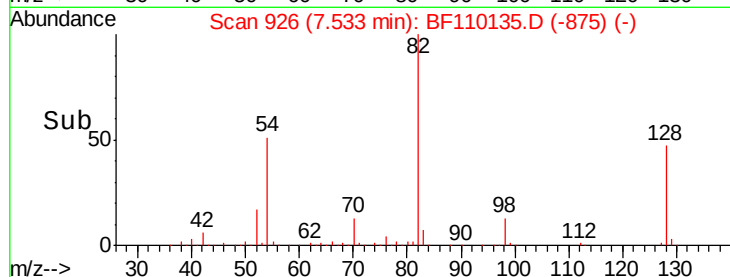
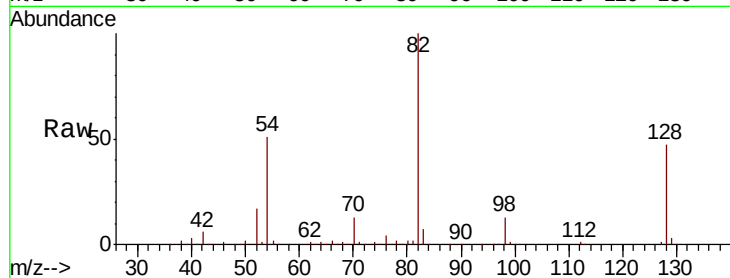




#23  
 Nitrobenzene-d5  
 Concen: 95.446 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. 0.00 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

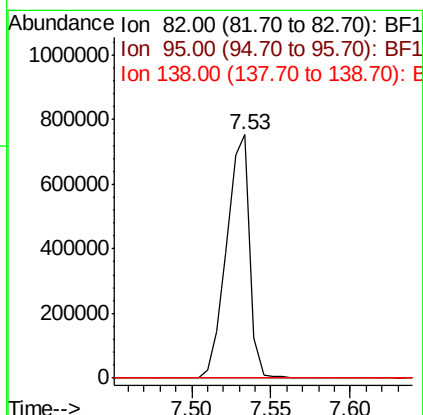
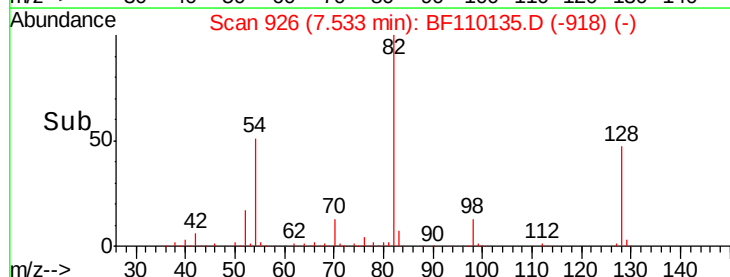
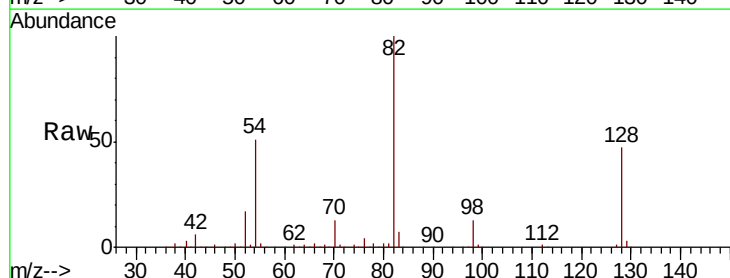
Instrument :  
 BNA\_F  
 ClientSampleId :

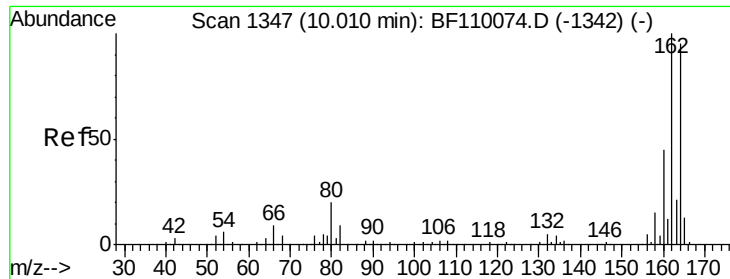
| Tot Ion   | 82    | Resp  | 761273 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.5  | 34.2  | 51.2   |
| 54        | 50.8  | 38.6  | 58.0   |



#25  
 Isophorone  
 Concen: 55.992 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.25 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

| Tgt Ion   | 82    | Resp  | 761257 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.7   | 8.5#   |
| 138       | 0.0   | 13.2  | 19.8#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

Instrument :

BNA\_F

ClientSampleId :

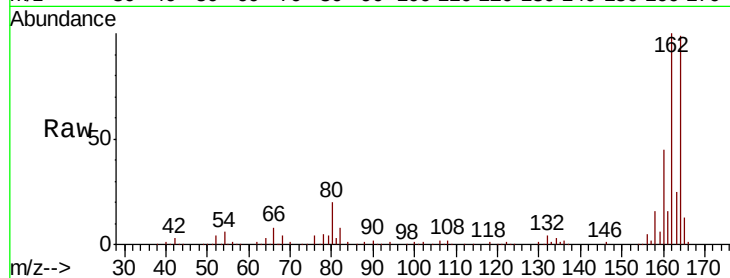
Tot Ion:164 Resp: 180106

Ion Ratio Lower Upper

164 100

162 100.8 83.0 124.6

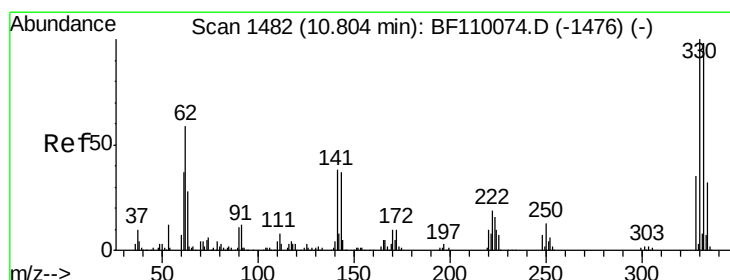
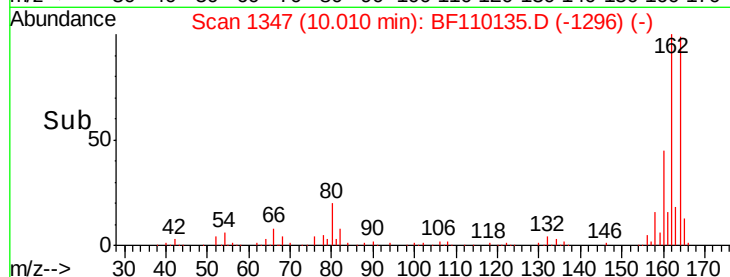
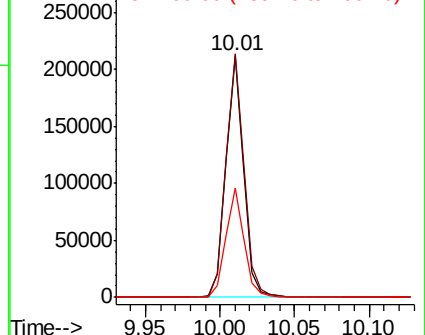
160 45.2 37.0 55.6



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: 79.246 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BF110135.D

Acq: 25 Oct 2018 1:26

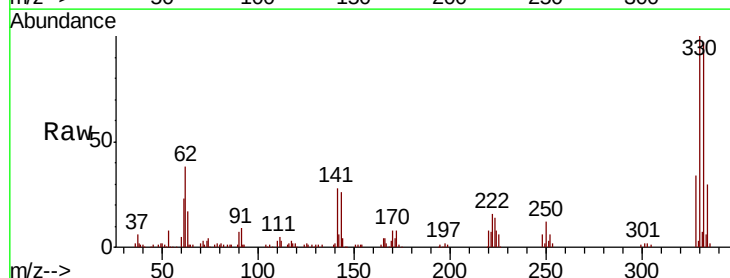
Tgt Ion:330 Resp: 141380

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

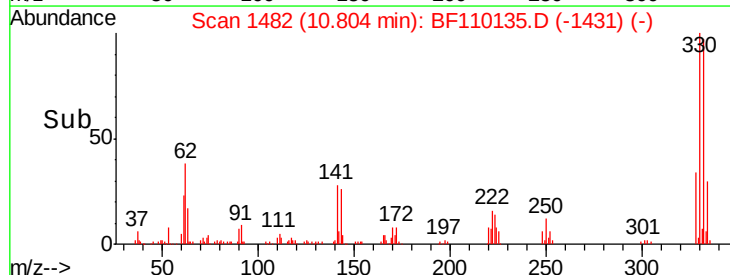
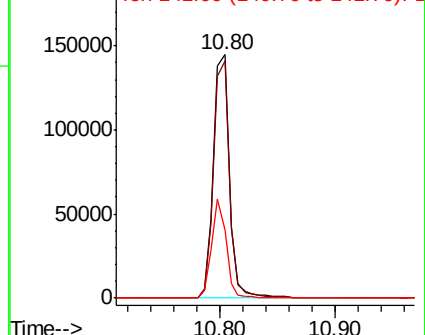
141 36.5 27.0 40.4

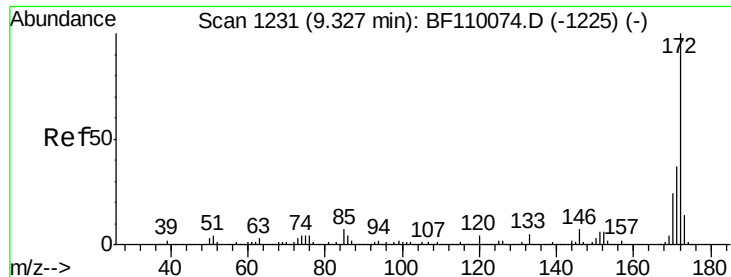


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



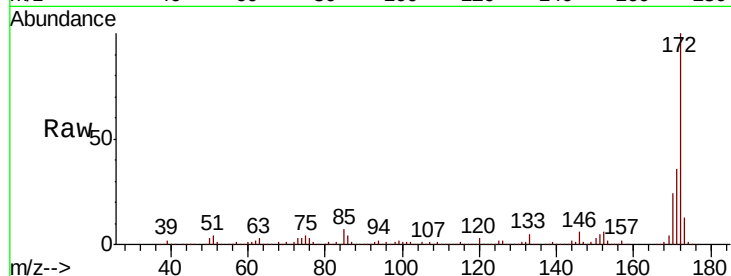


#45  
 2-Fluorobiphenyl  
 Concen: 111.438 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

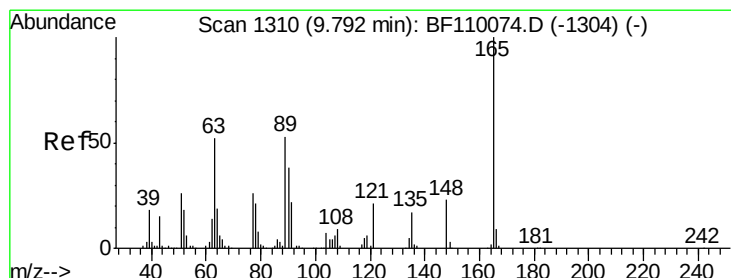
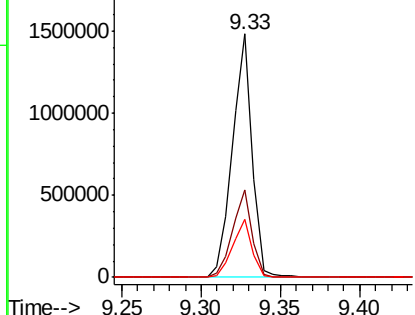
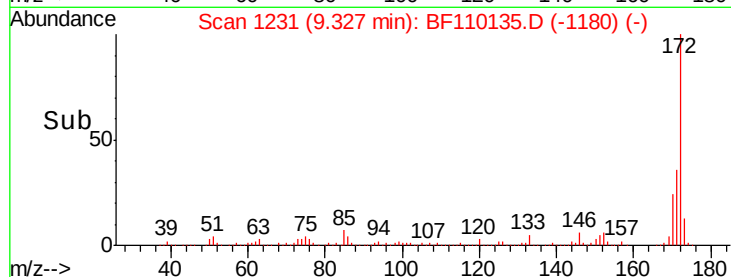
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1278175  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 28.6  | 43.0  |
| 170 | 23.6  | 19.7  | 29.5  |



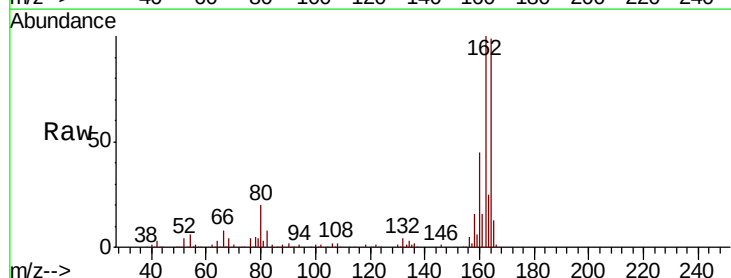
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



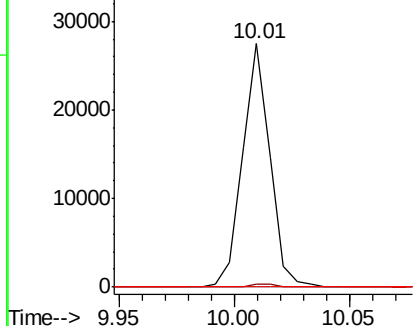
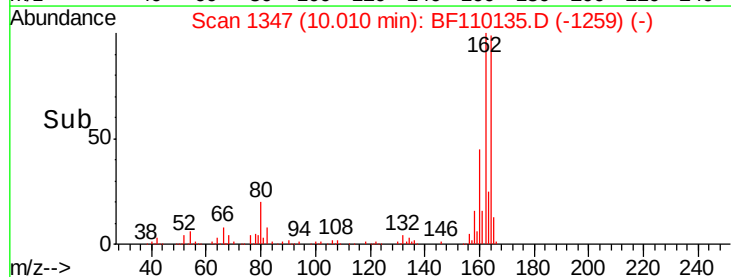
#51  
 2,6-Dinitrotoluene  
 Concen: 7.943 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. 0.22 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

Tgt Ion:165 Resp: 22746  

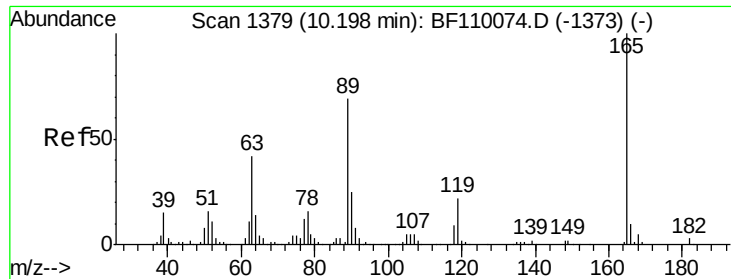
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.3   | 48.9  | 73.3# |
| 89  | 0.0   | 46.6  | 69.8# |



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1



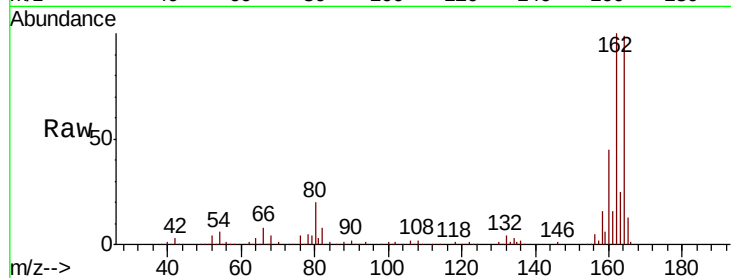




#57  
2,4-Dinitrotoluene  
Concen: 6.253 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.18 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :

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



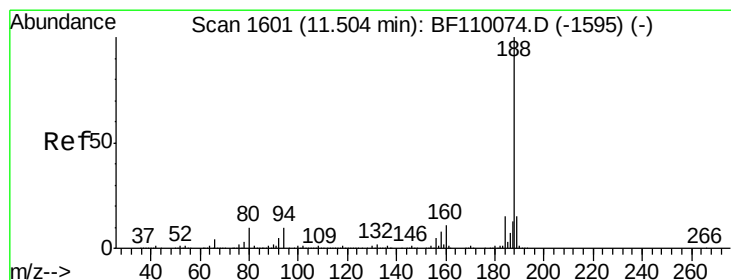
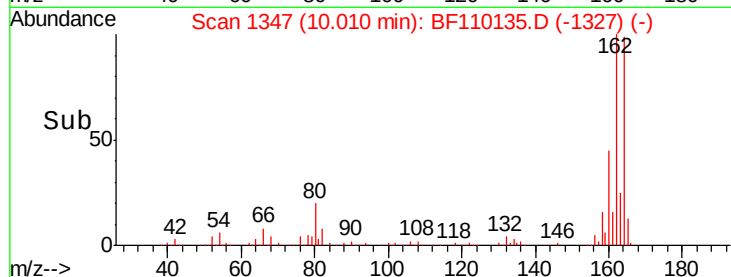
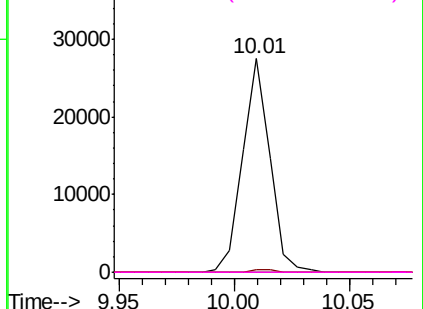
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

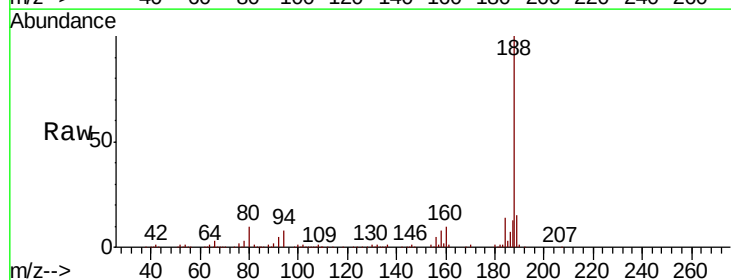
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 7.2   | 10.8  |
| 80      | 9.7   | 7.9   | 11.9  |

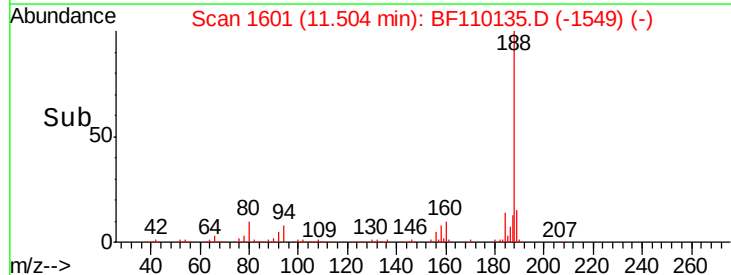
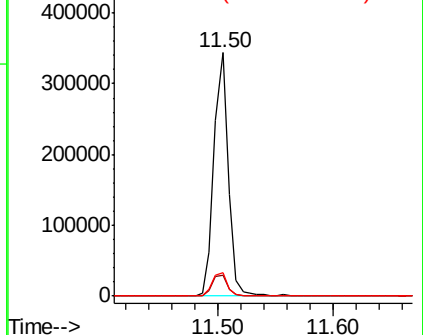


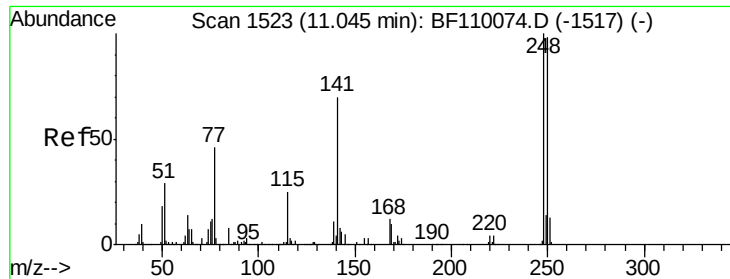
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

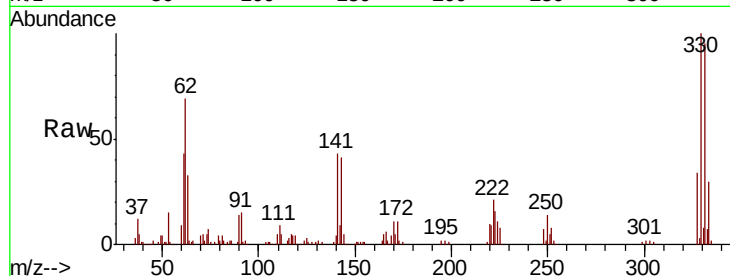




#67  
4-Bromophenyl-phenylether  
Concen: 2.766 ng  
RT: 10.80 min Scan# 1481  
Delta R.T. -0.24 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 200.7 | 79.4  | 119.2# |
| 141     | 618.7 | 55.9  | 83.9#  |

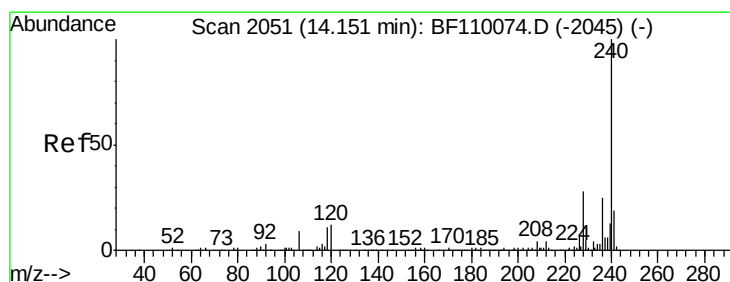
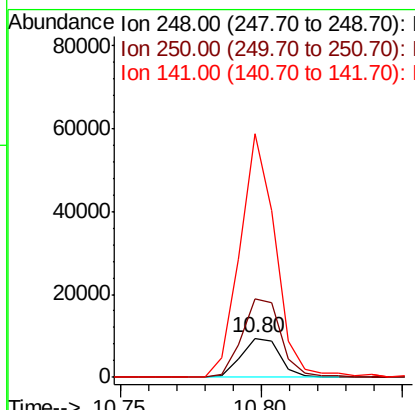
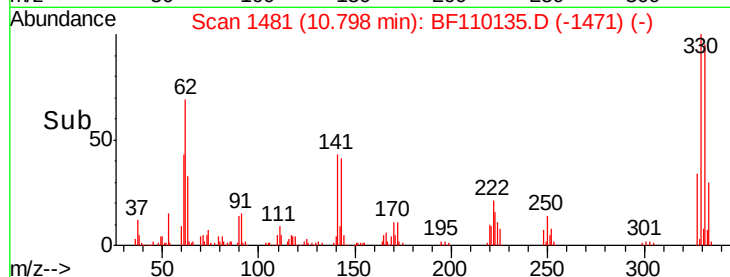


Abundance

Ion 248.00 (247.70 to 248.70): E

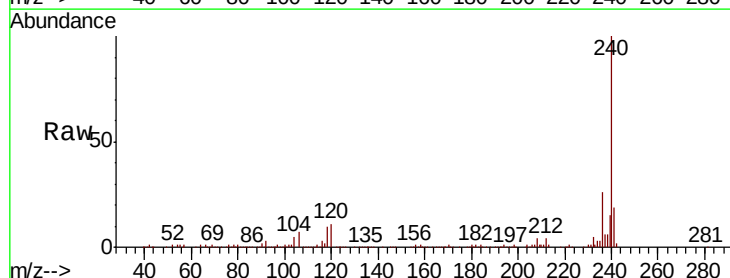
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. 0.00 min  
Lab File: BF110135.D  
Acq: 25 Oct 2018 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.9  | 8.3   | 12.5  |
| 236     | 25.9  | 21.2  | 31.8  |

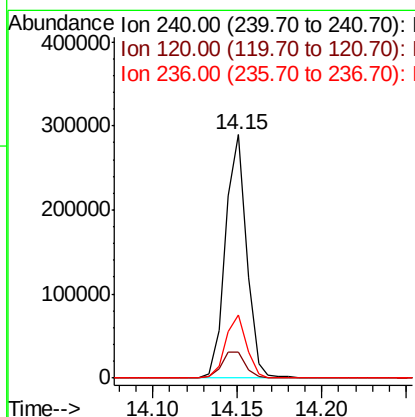
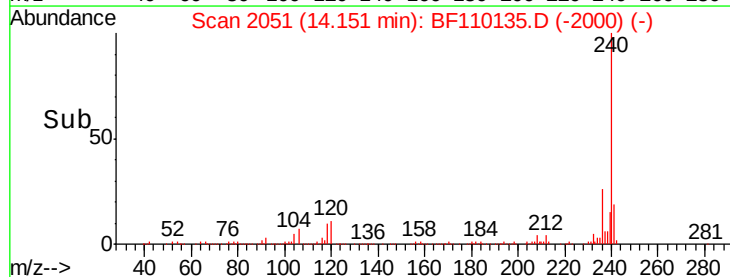


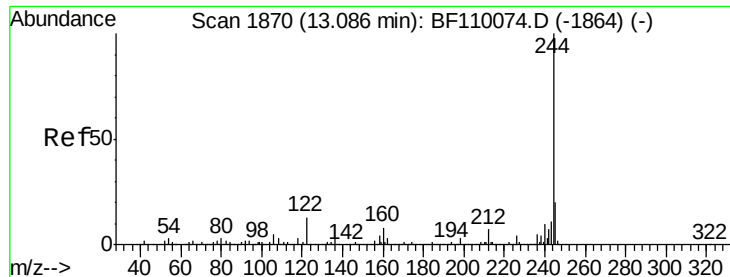
Abundance

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



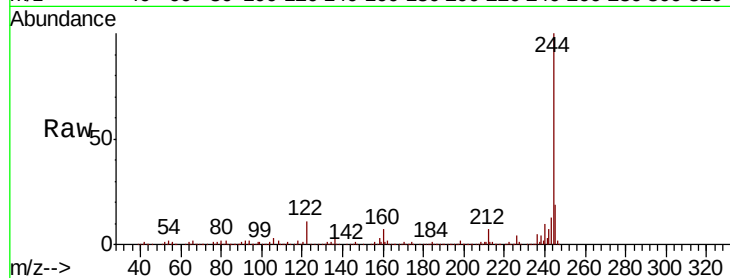


#79  
 Terphenyl-d14  
 Concen: 85.793 ng  
 RT: 13.09 min Scan# 1871  
 Delta R.T. 0.01 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

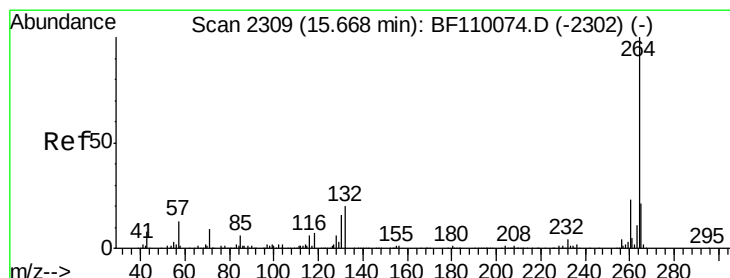
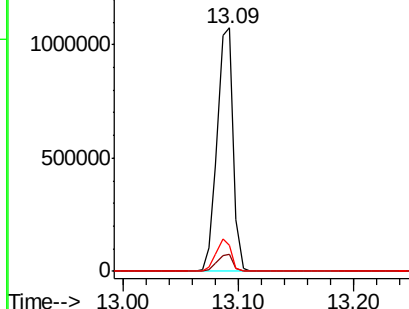
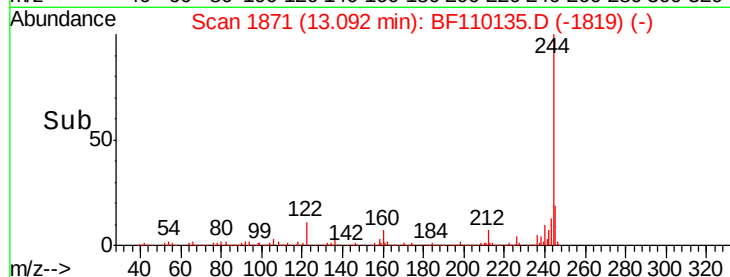
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 1040539  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.8   | 8.8   |
| 122 | 10.5  | 8.7   | 13.1  |



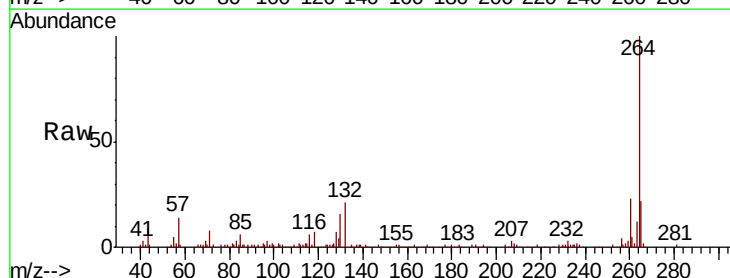
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2310  
 Delta R.T. 0.01 min  
 Lab File: BF110135.D  
 Acq: 25 Oct 2018 1:26

Tgt Ion:264 Resp: 174935  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.7  | 28.1  |
| 265 | 21.6  | 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

