

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\  
 Data File : BF109696.D  
 Acq On : 9 Oct 2018 15:46  
 Operator : JU/SJ  
 Sample : PB113600BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 09 16:17:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

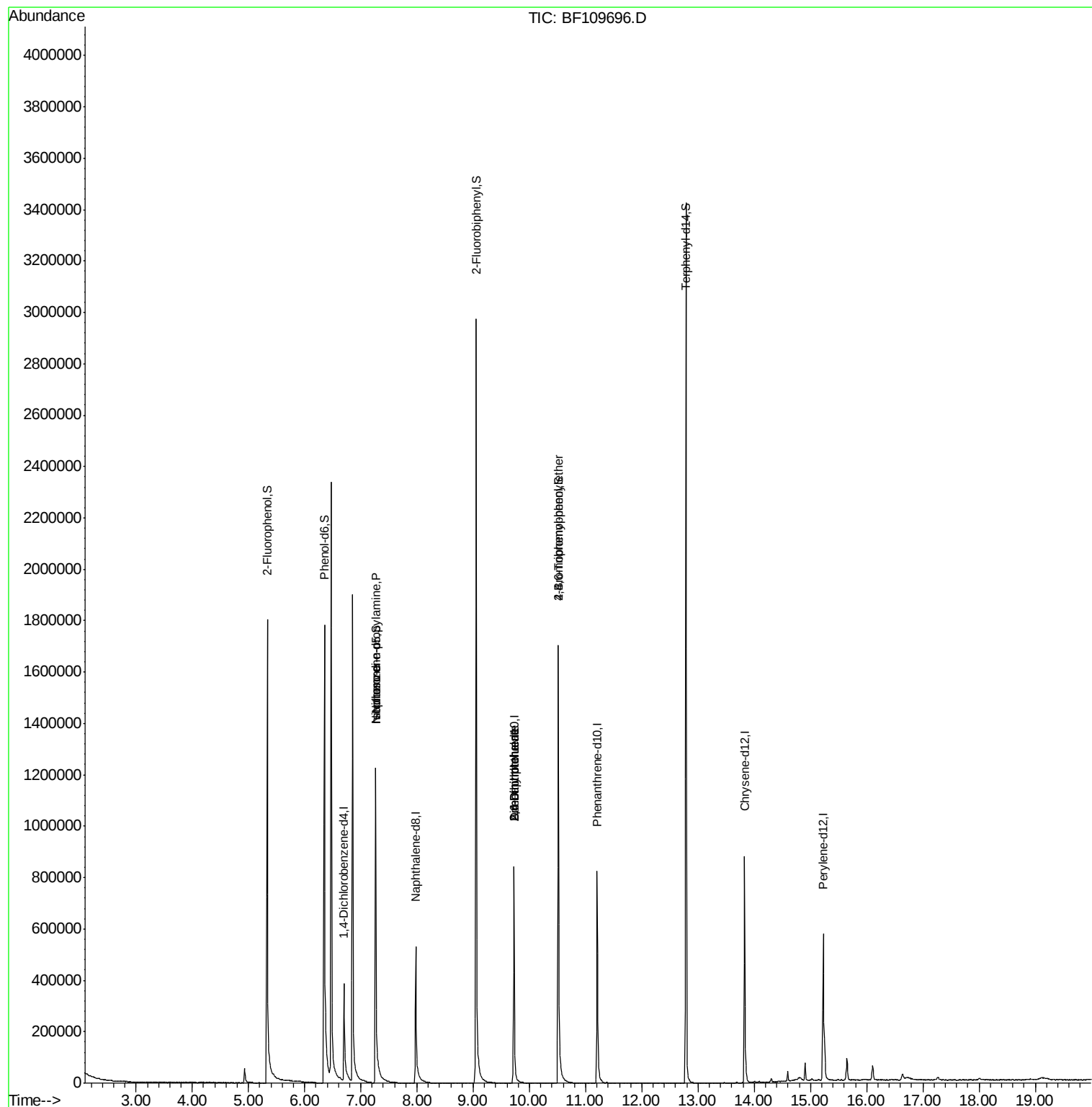
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 100249   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 424692   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.72  | 164  | 213720   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 442946   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 373354   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.23 | 264  | 323719   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 719287   | 127.36 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.35  | 99   | 981977   | 130.15 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 644618   | 83.67  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 285999   | 122.81 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 1214438  | 78.26  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.79 | 244  | 1279100  | 66.32  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 83909    | 15.859 | ng    | # 75     |
| 25) Isophorone                 | 7.26  | 82   | 646652   | 50.545 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.73  | 163  | 50078    | 3.195  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 25409    | 7.478  | ng    | # 23     |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 25409    | 5.992  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 17312    | 3.402  | ng    | # 1      |

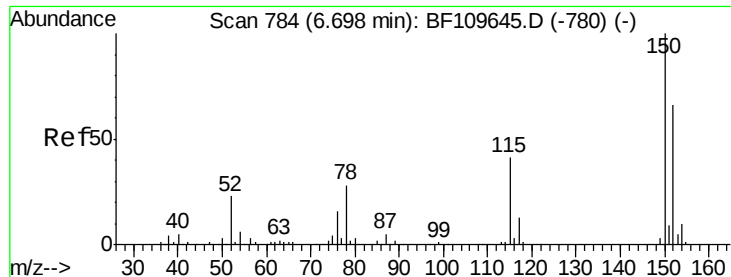
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB113600BL  
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Instrument :  
BNA\_F  
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Quant Time: Oct 09 16:17:50 2018  
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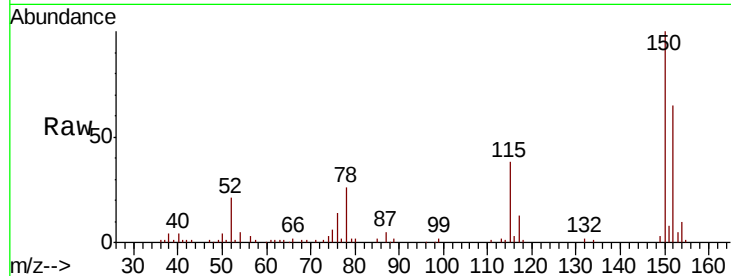


#1

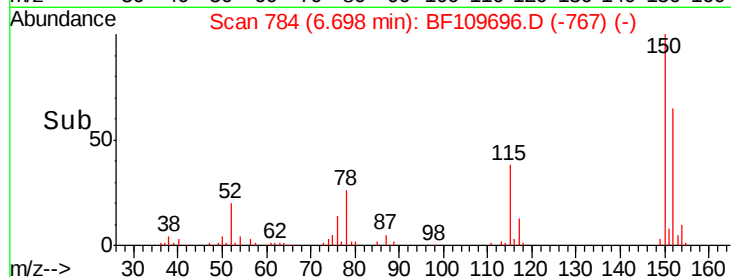
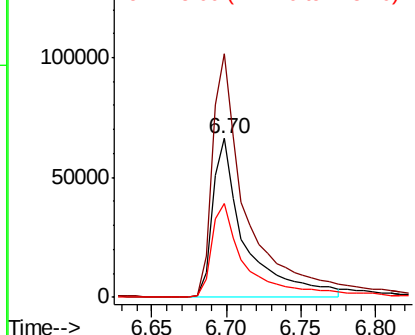
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 100249  
Ion Ratio Lower Upper  
152 100  
150 153.0 122.7 184.1  
115 58.6 49.1 73.7



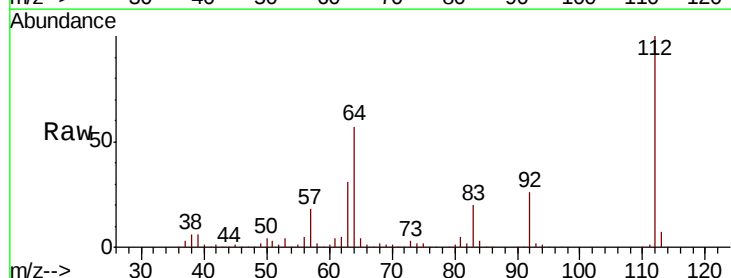
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



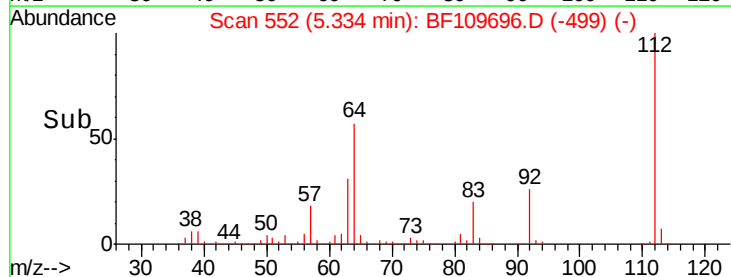
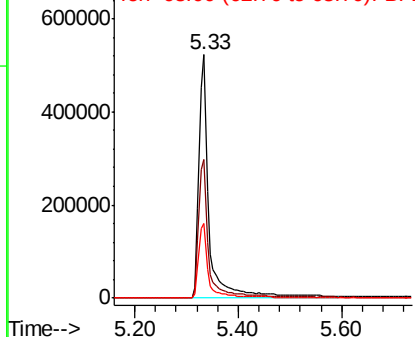
#5

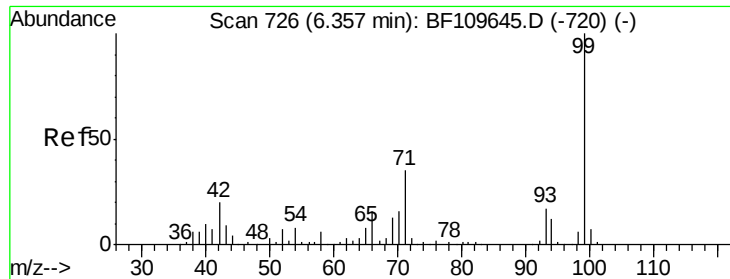
2-Fluorophenol  
Concen: 127.359 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Tgt Ion:112 Resp: 719287  
Ion Ratio Lower Upper  
112 100  
64 57.2 44.1 66.1  
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 130.154 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109696.D

Acq: 9 Oct 2018 15:46

Instrument :

BNA\_F

ClientSampleId :

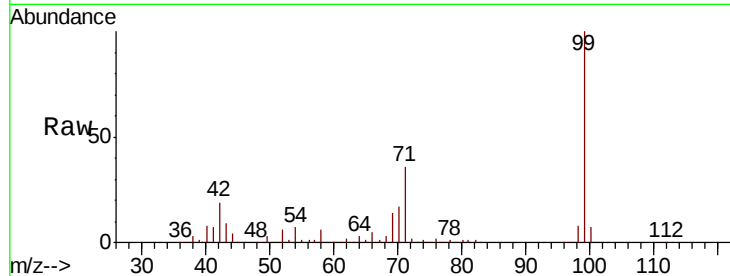
Tot Ion: 99 Resp: 981977

Ion Ratio Lower Upper

99 100

42 19.1 15.8 23.6

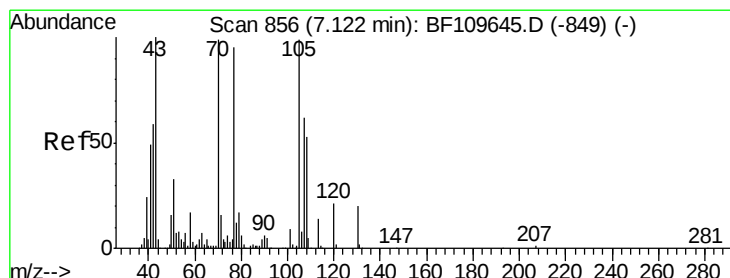
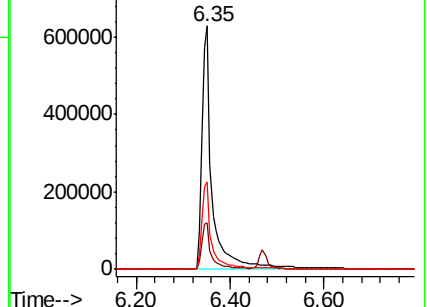
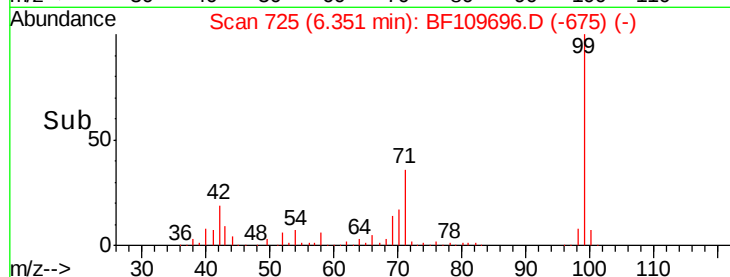
71 35.9 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.859 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109696.D

Acq: 9 Oct 2018 15:46

Tgt Ion: 70 Resp: 83909

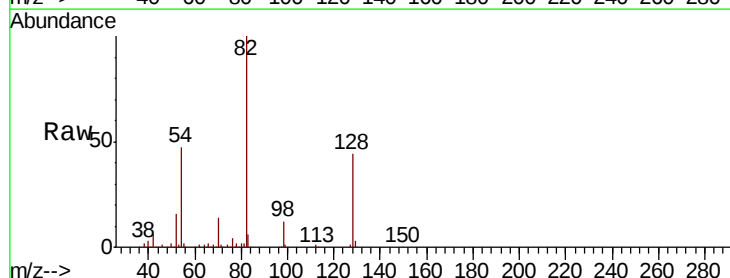
Ion Ratio Lower Upper

70 100

42 44.3 47.4 71.2#

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

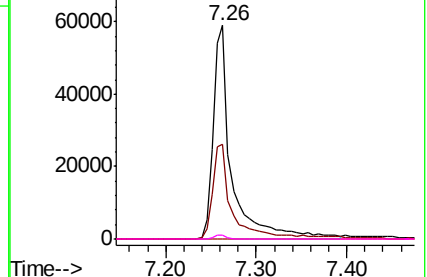
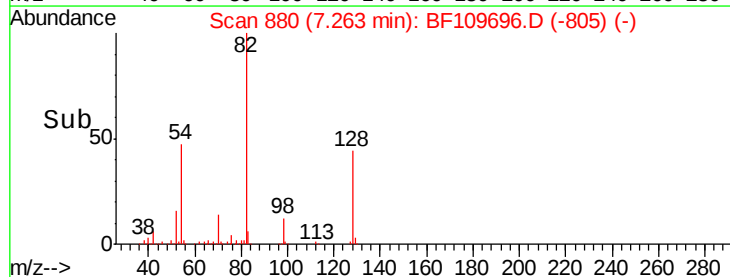


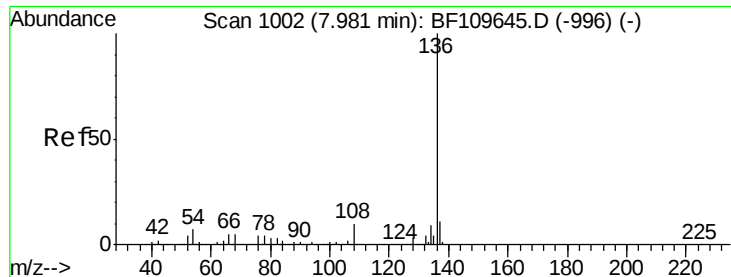
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

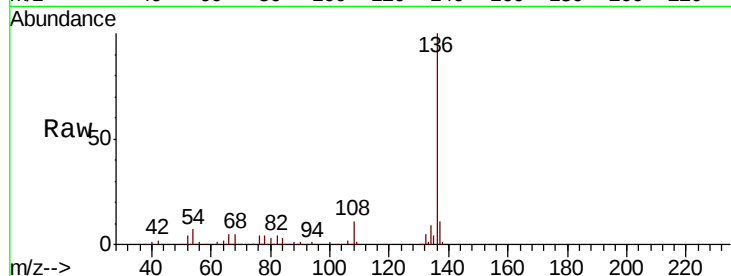




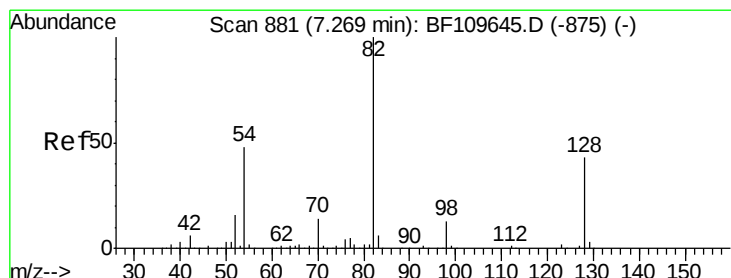
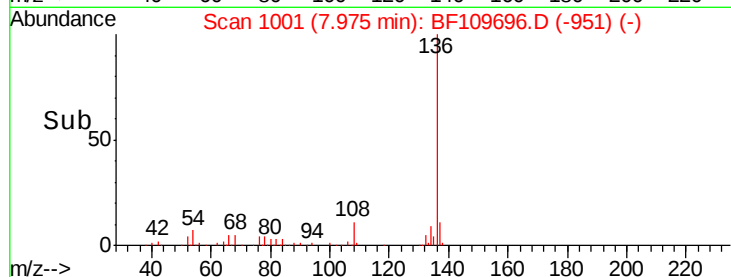
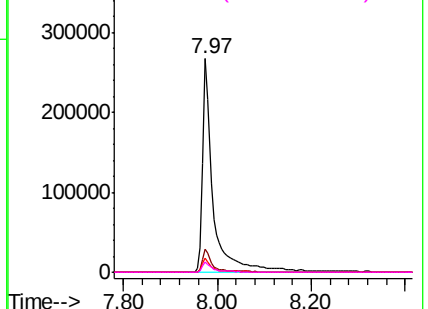
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 424692   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.8 13.2 |
| 54          | 6.7   | 5.4 8.2  |
| 68          | 5.0   | 4.2 6.2  |

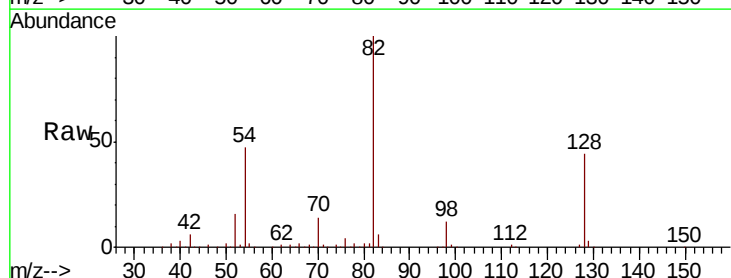


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

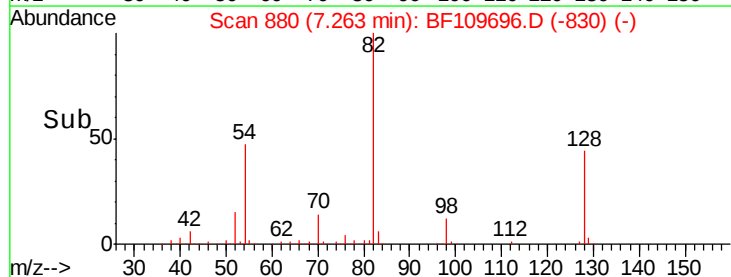
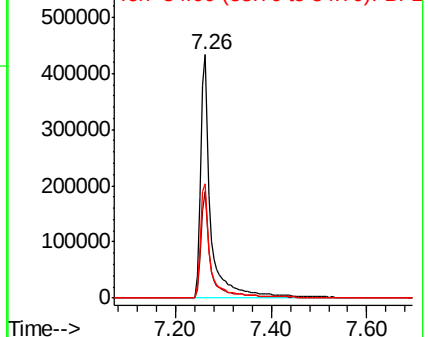


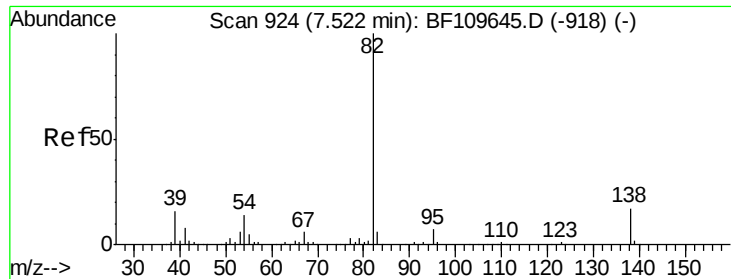
#23  
Nitrobenzene-d5  
Concen: 83.669 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 644618    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.8  | 34.2 51.2 |
| 54          | 46.8  | 38.6 58.0 |



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





#25

Isophorone

Concen: 50.545 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109696.D

Acq: 9 Oct 2018 15:46

Instrument :

BNA\_F

ClientSampled :

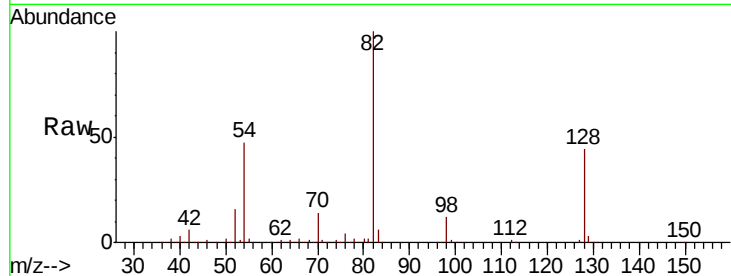
Tot Ion: 82 Resp: 646652

Ion Ratio Lower Upper

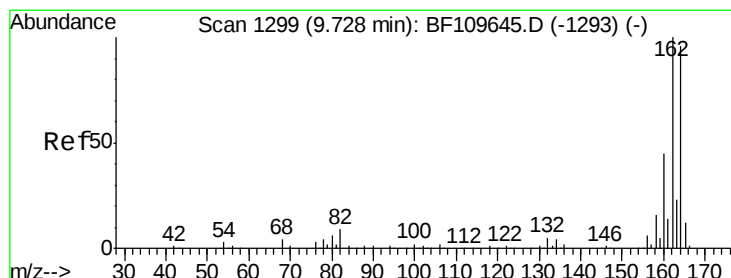
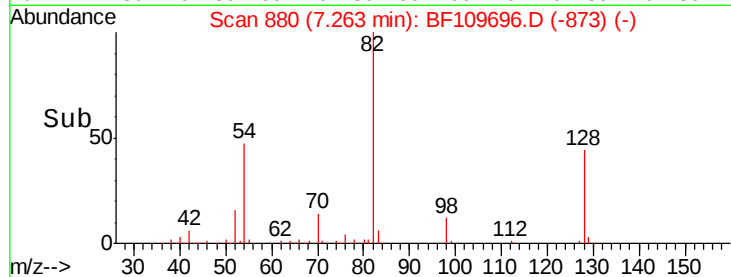
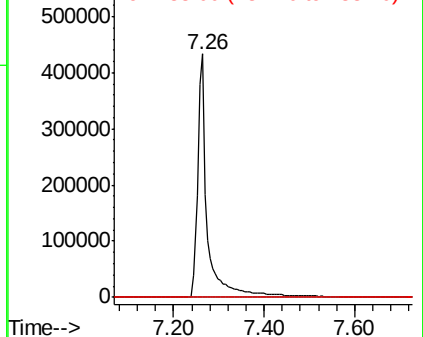
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109696.D

Acq: 9 Oct 2018 15:46

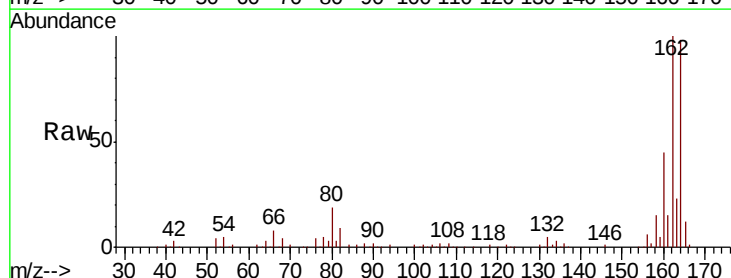
Tgt Ion: 164 Resp: 213720

Ion Ratio Lower Upper

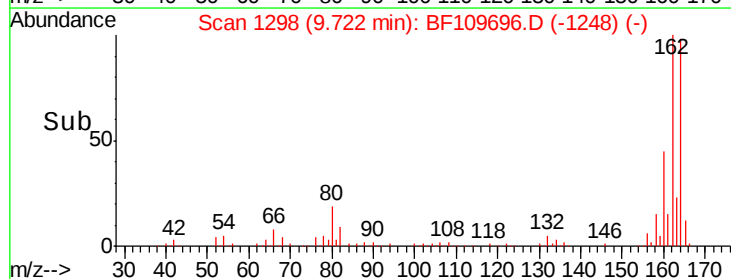
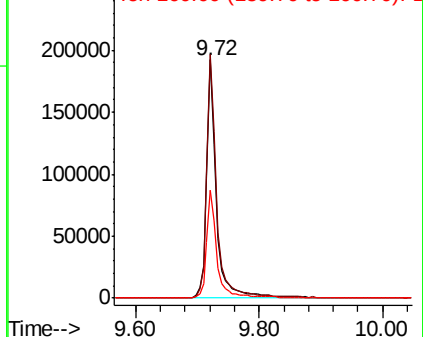
164 100

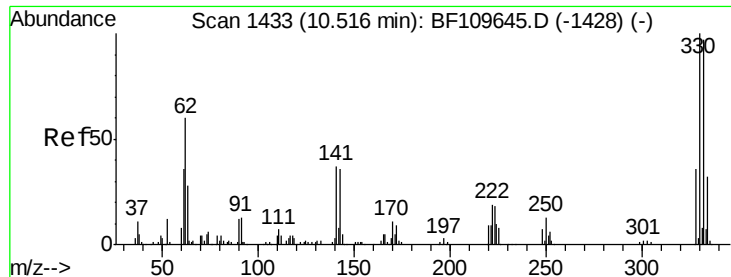
162 102.2 83.0 124.6

160 45.5 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

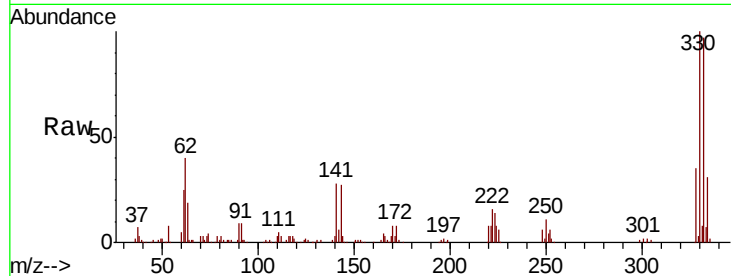




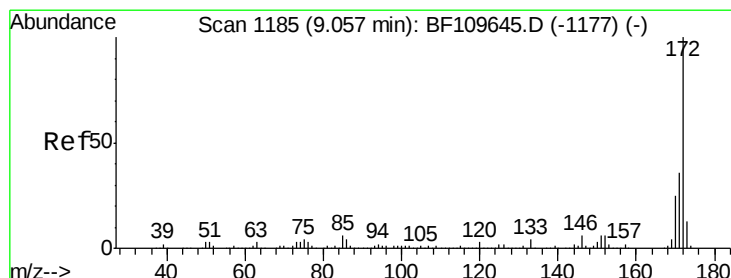
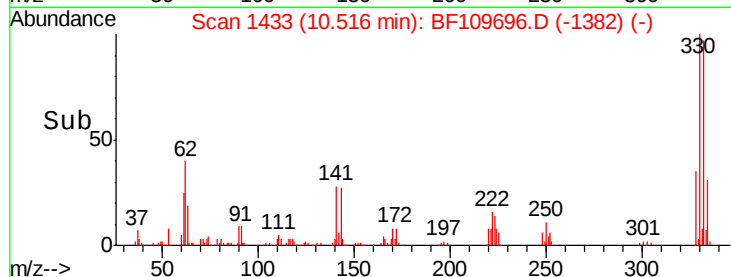
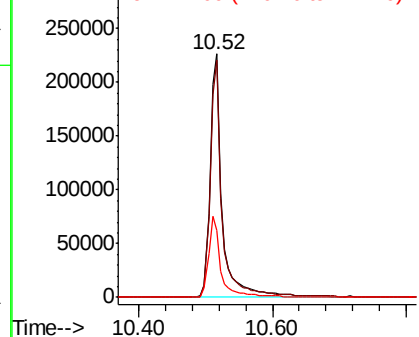
#41  
 2,4,6-Tribromophenol  
 Concen: 122.814 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.00 min  
 Lab File: BF109696.D  
 Acq: 9 Oct 2018 15:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 285999  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.1 115.7  
 141 33.9 27.0 40.4

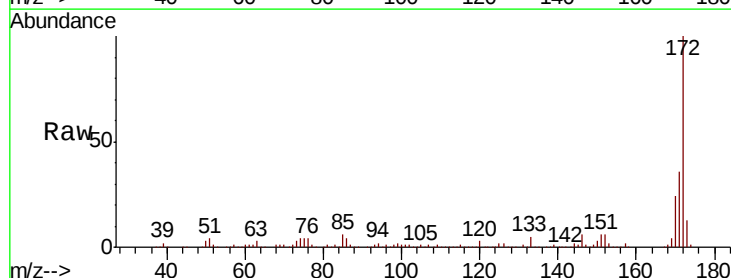


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

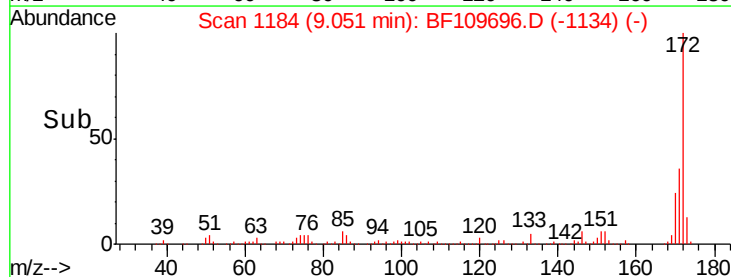
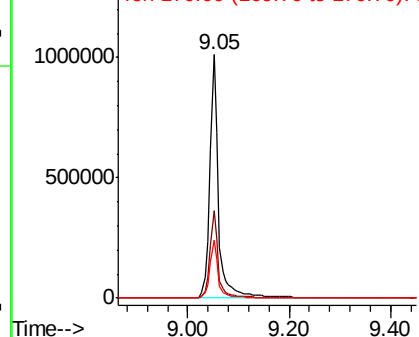


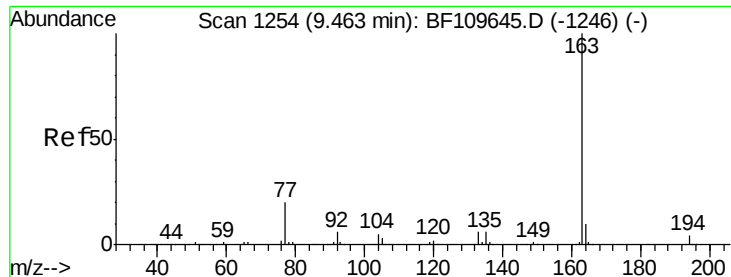
#44  
 2-Fluorobiphenyl  
 Concen: 78.261 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109696.D  
 Acq: 9 Oct 2018 15:46

Tgt Ion:172 Resp: 1214438  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.6 43.0  
 170 24.0 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

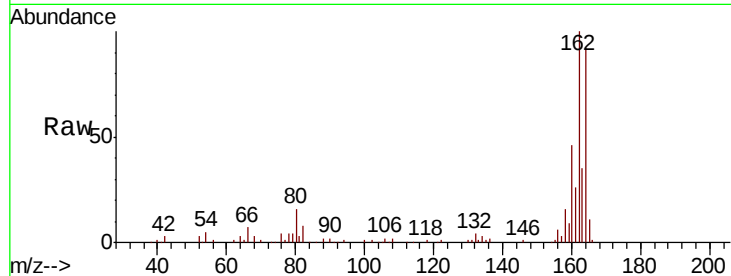




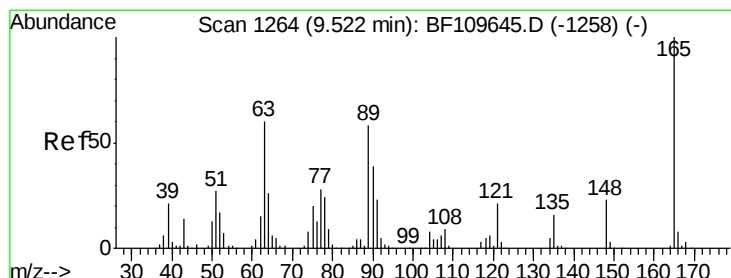
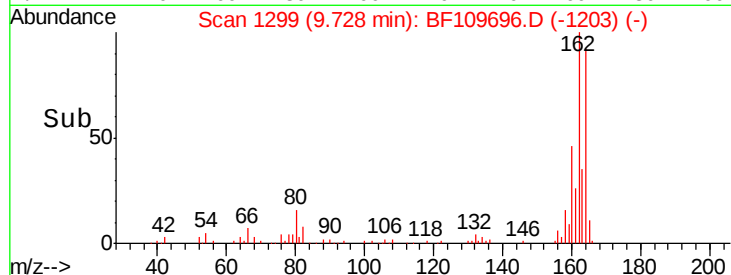
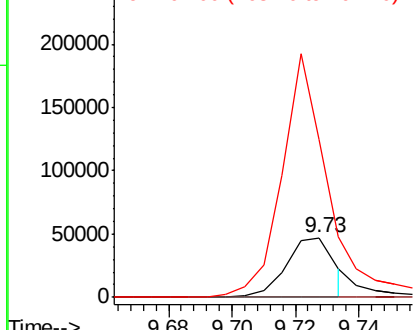
#49  
Dimethylphthalate  
Concen: 3.195 ng  
RT: 9.73 min Scan# 1299  
Delta R.T. 0.26 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 50078  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 262.9 8.1 12.1#

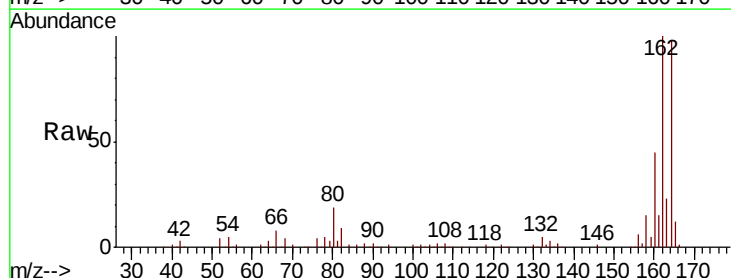


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

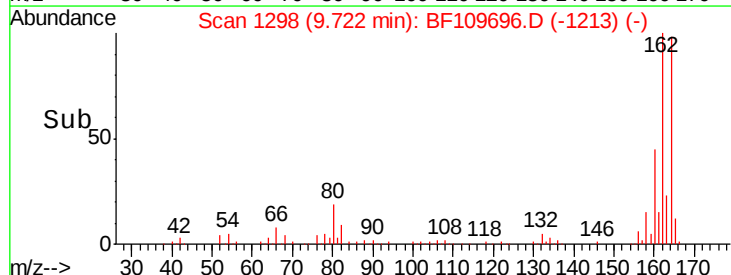
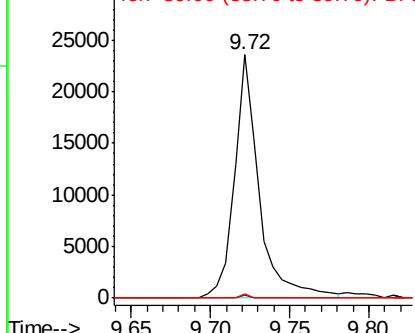


#50  
2,6-Dinitrotoluene  
Concen: 7.478 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. 0.20 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Tgt Ion:165 Resp: 25409  
Ion Ratio Lower Upper  
165 100  
63 1.3 48.9 73.3#  
89 1.5 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

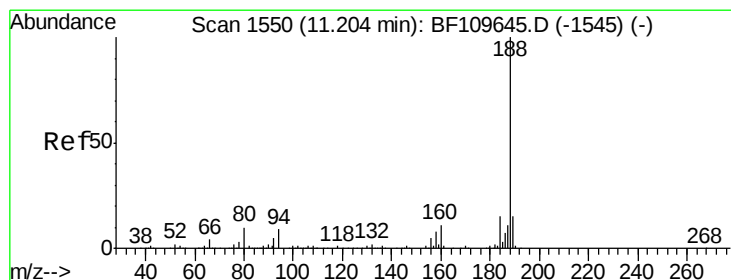
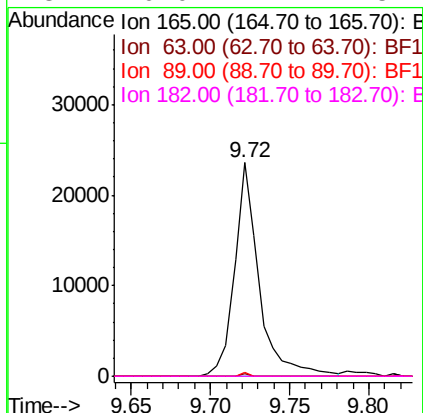
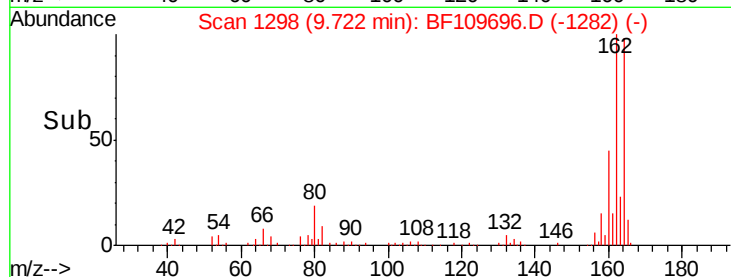
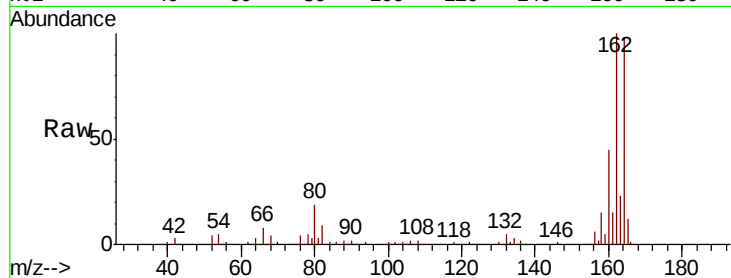




#56  
2,4-Dinitrotoluene  
Concen: 5.992 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.21 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

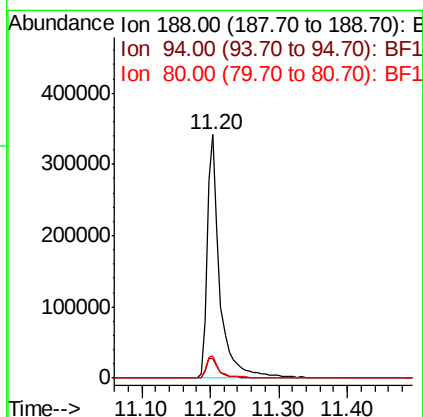
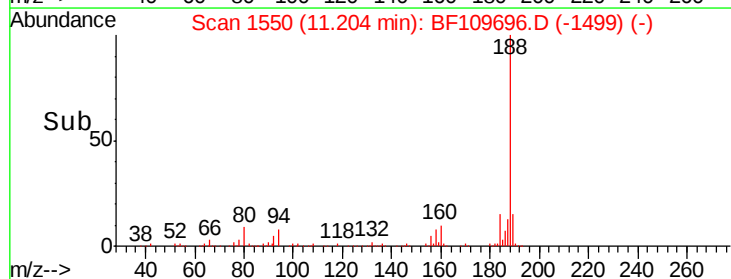
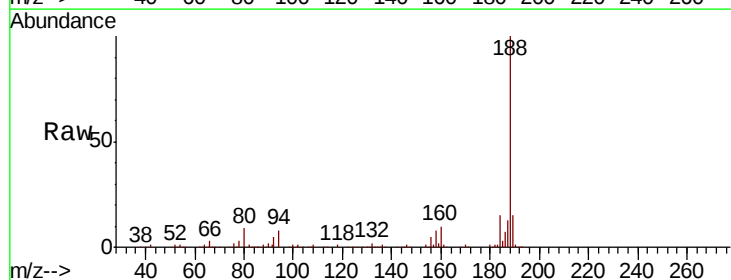
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 44.8  | 67.2# |
| 89      | 1.5   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. 0.00 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 7.2   | 10.8  |
| 80      | 9.1   | 7.9   | 11.9  |

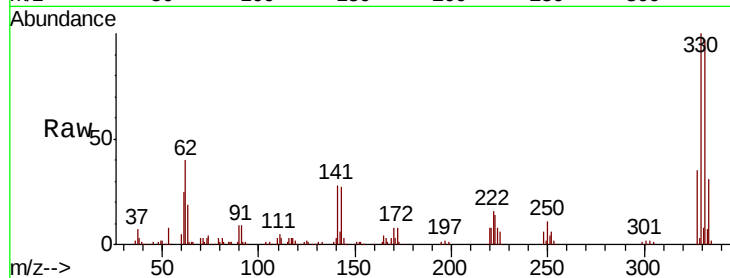




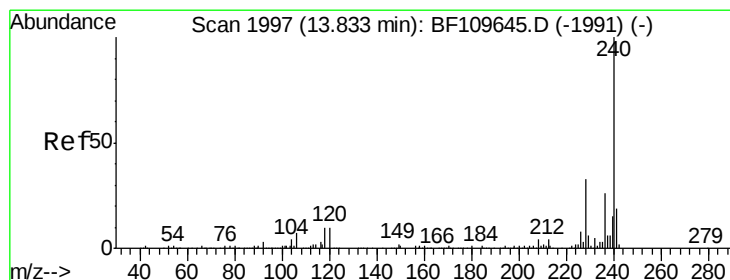
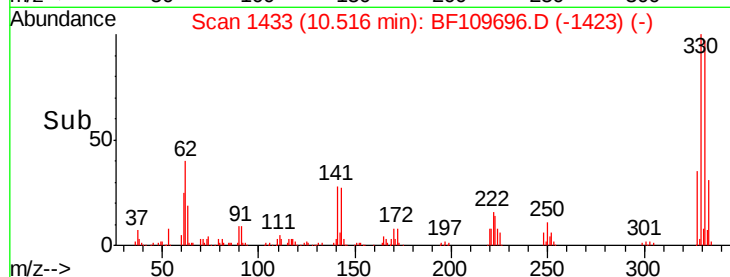
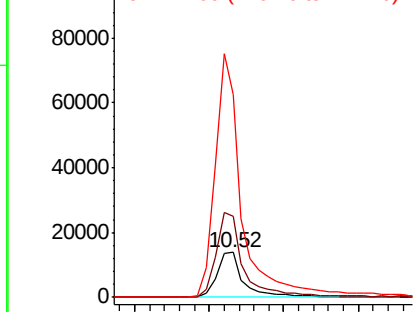
#66  
4-Bromophenyl-phenylether  
Concen: 3.402 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.24 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 17312  
Ion Ratio Lower Upper  
248 100  
250 181.2 79.4 119.2#  
141 451.7 55.9 83.9#

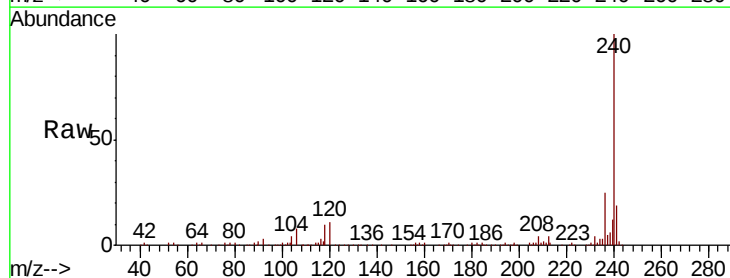


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

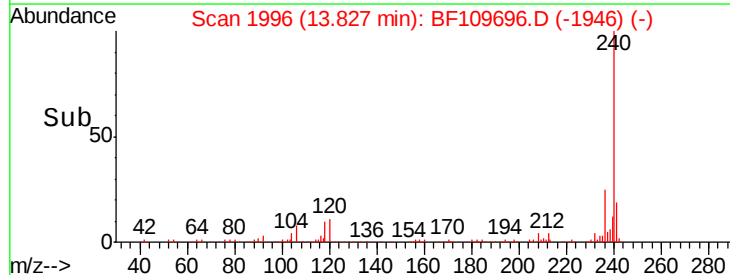
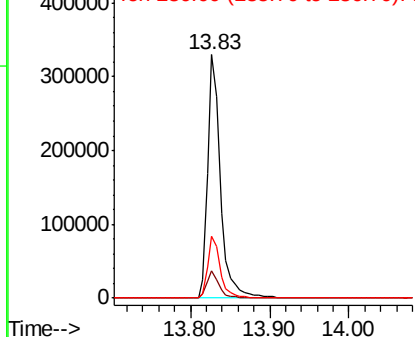


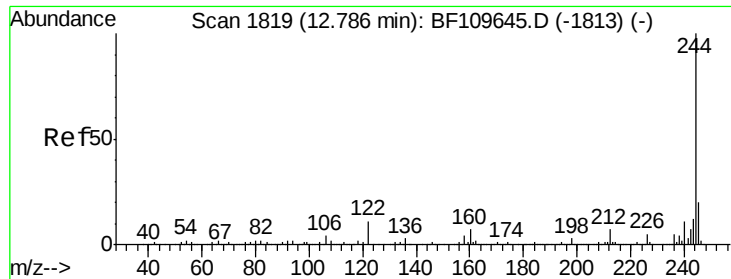
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF109696.D  
Acq: 9 Oct 2018 15:46

Tgt Ion:240 Resp: 373354  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.3 12.5  
236 25.3 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



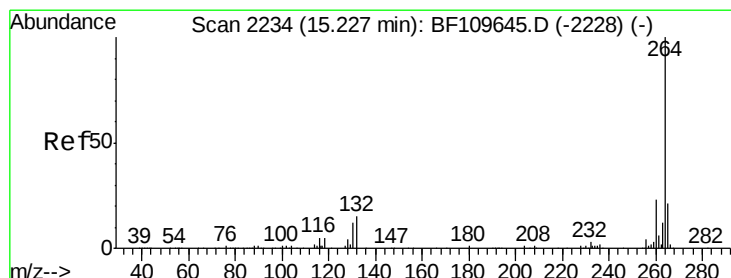
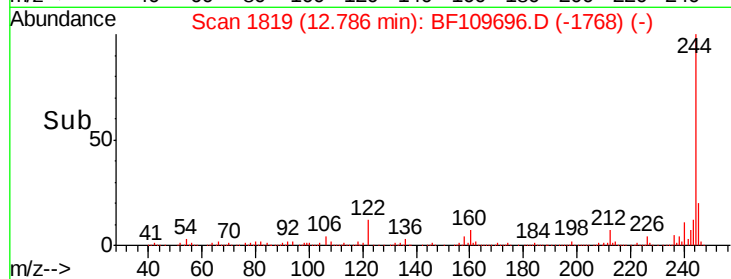
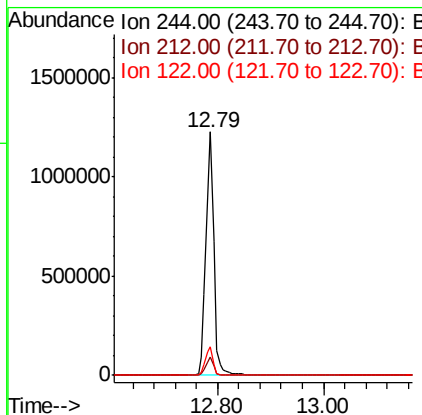
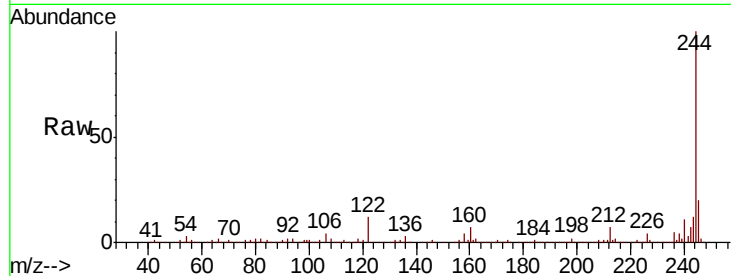


#78  
 Terphenyl-d14  
 Concen: 66.321 ng  
 RT: 12.79 min Scan# 1819  
 Delta R.T. 0.00 min  
 Lab File: BF109696.D  
 Acq: 9 Oct 2018 15:46

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1279100  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.8   | 8.8   |
| 122 | 11.7  | 8.7   | 13.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2234  
 Delta R.T. 0.00 min  
 Lab File: BF109696.D  
 Acq: 9 Oct 2018 15:46

Tgt Ion:264 Resp: 323719  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.7  | 28.1  |
| 265 | 21.6  | 16.7  | 25.1  |

