

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF101018\  
 Data File : BF109771.D  
 Acq On : 11 Oct 2018 5:18  
 Operator : JU/SJ  
 Sample : J5326-20  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Quant Time: Oct 11 05:52:04 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

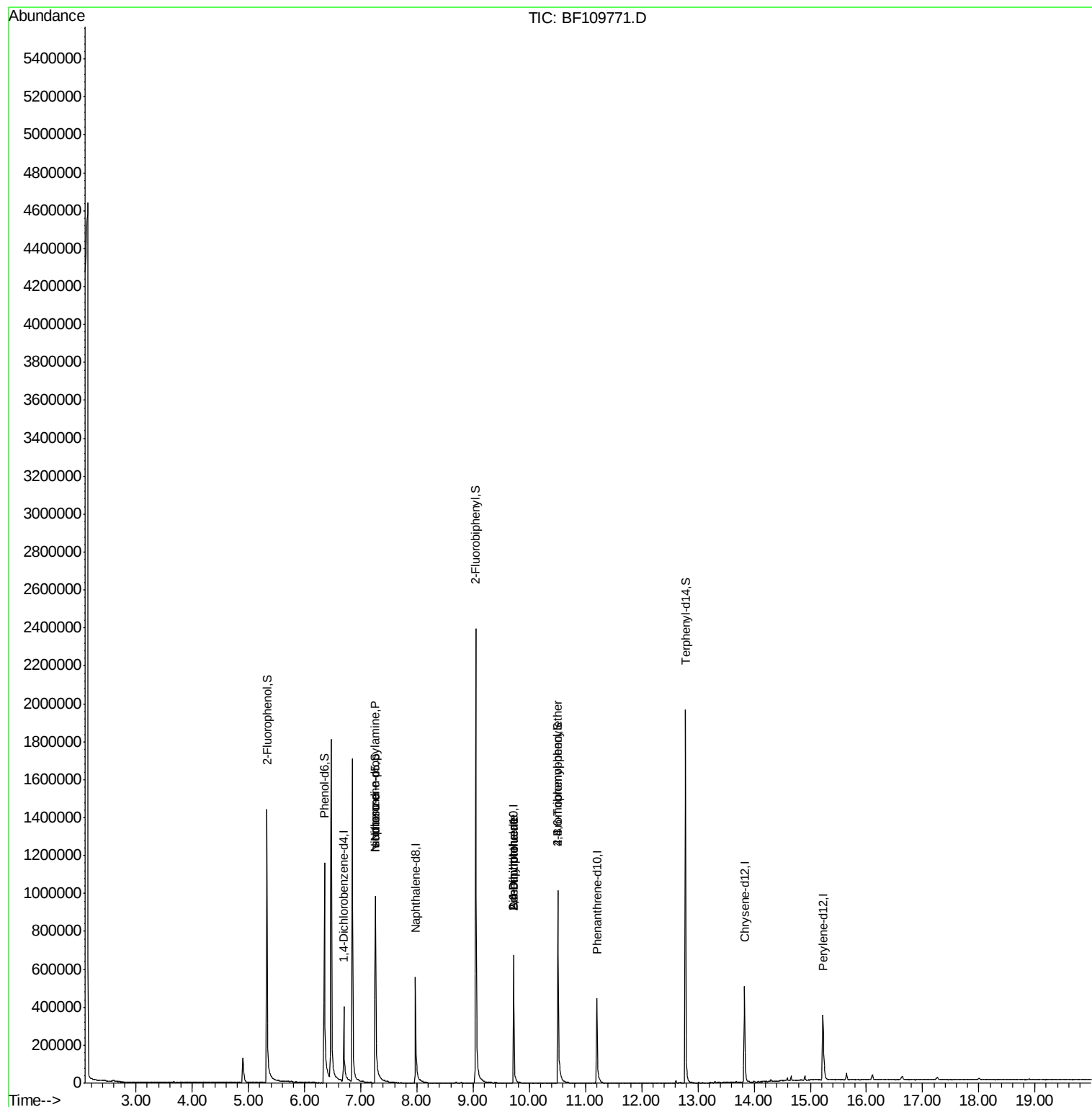
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 85097    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 340264   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.72  | 164  | 151835   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 260349   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 229584   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.23 | 264  | 207820   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 501350   | 104.58 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 638196   | 99.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 499197   | 80.87  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 168142   | 101.63 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 915143   | 83.01  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.78 | 244  | 727074   | 61.31  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 66791    | 14.871 | ng    | # 77     |
| 25) Isophorone                 | 7.26  | 82   | 499195   | 48.701 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.72  | 163  | 37254    | 3.345  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 18722    | 7.756  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 18722    | 6.215  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 9734     | 3.254  | ng    | # 1      |

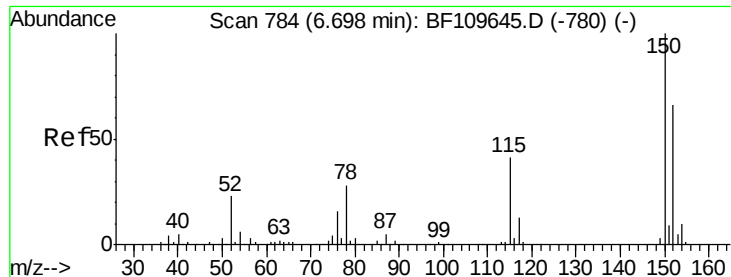
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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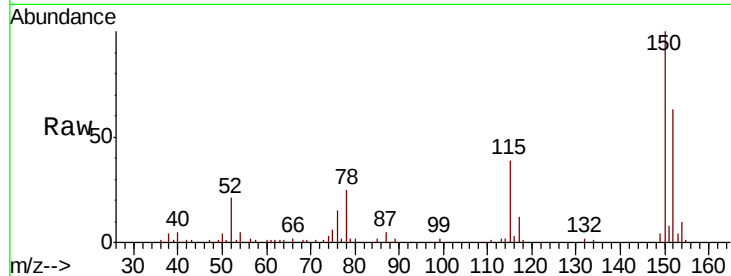


#1

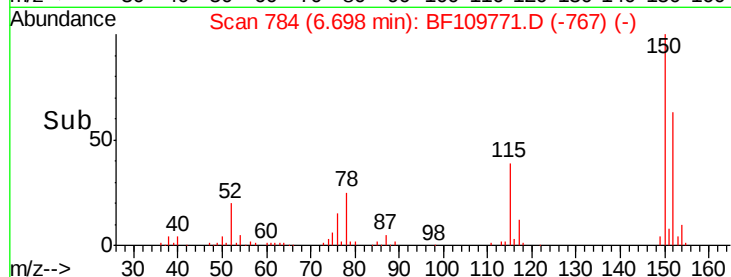
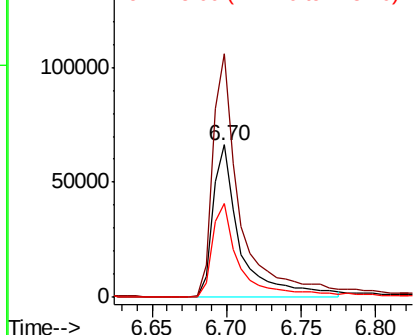
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

Tgt Ion:152 Resp: 85097  
Ion Ratio Lower Upper  
152 100  
150 159.7 122.7 184.1  
115 61.5 49.1 73.7



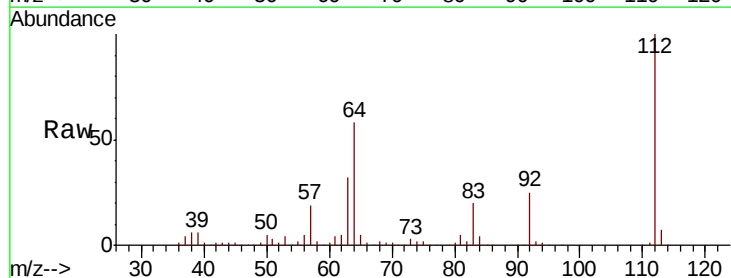
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



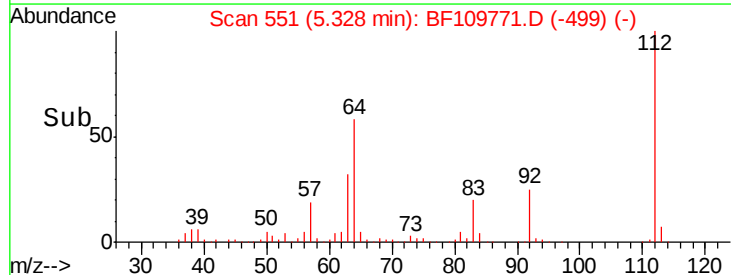
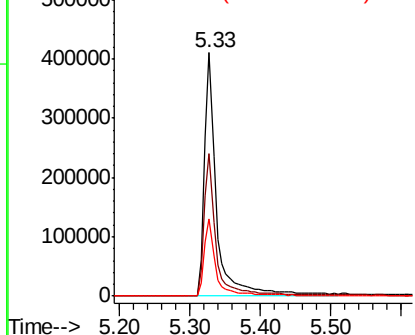
#5

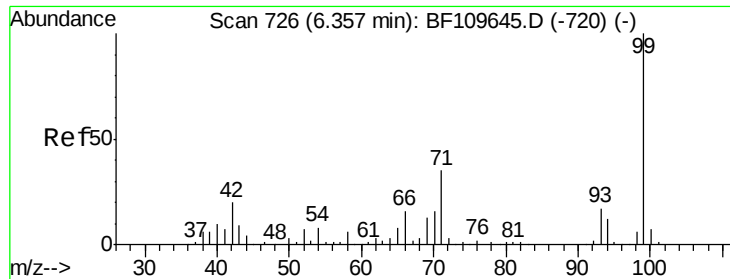
2-Fluorophenol  
Concen: 104.576 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

Tgt Ion:112 Resp: 501350  
Ion Ratio Lower Upper  
112 100  
64 58.5 44.1 66.1  
63 31.6 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: 99.650 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

Instrument :

BNA\_F

ClientSampled :

FL-PIT-5

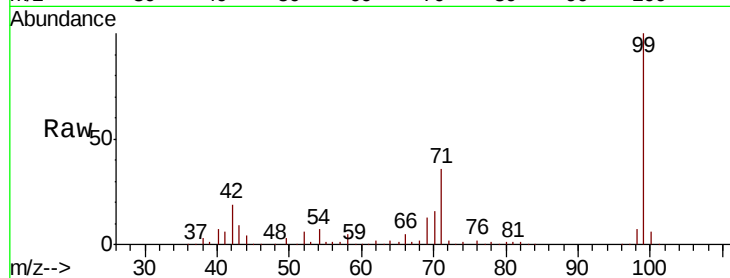
Tgt Ion: 99 Resp: 638196

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.6

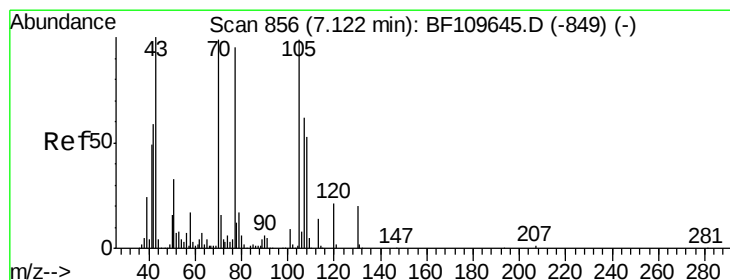
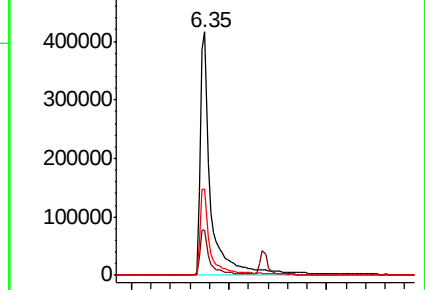
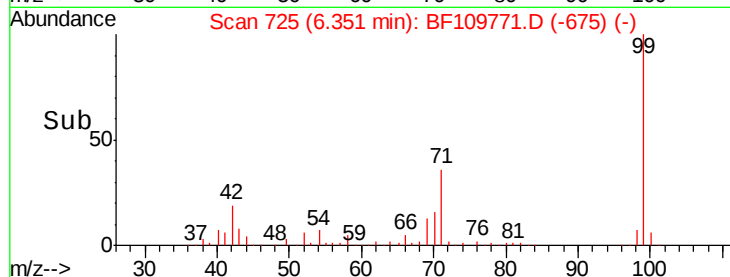
71 35.5 28.0 42.0



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: 14.871 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

Tgt Ion: 70 Resp: 66791

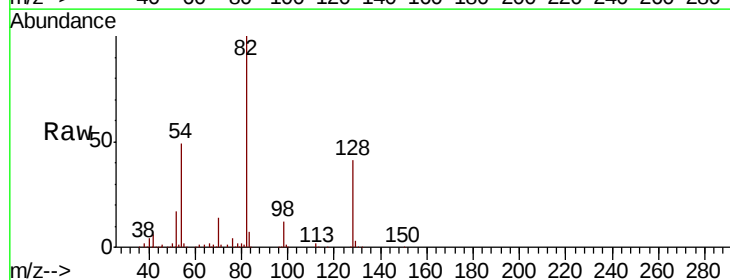
Ion Ratio Lower Upper

70 100

42 46.9 47.4 71.2#

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

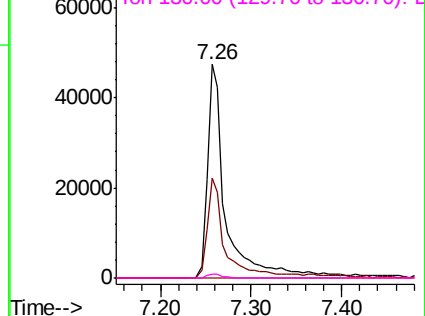
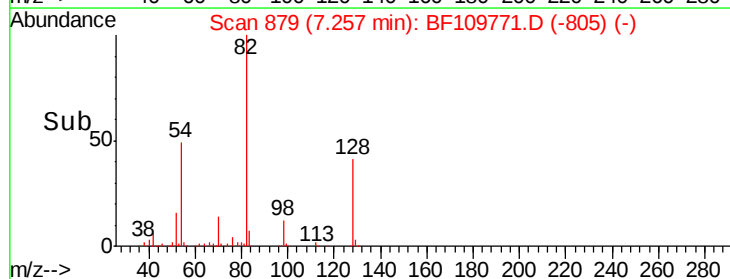


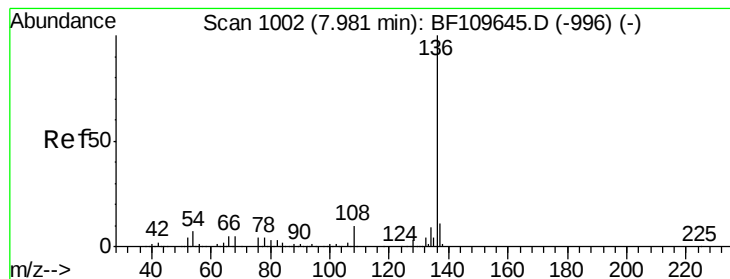
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109771.D

Acq: 11 Oct 2018 5:18

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

Tgt Ion: 136 Resp: 340264

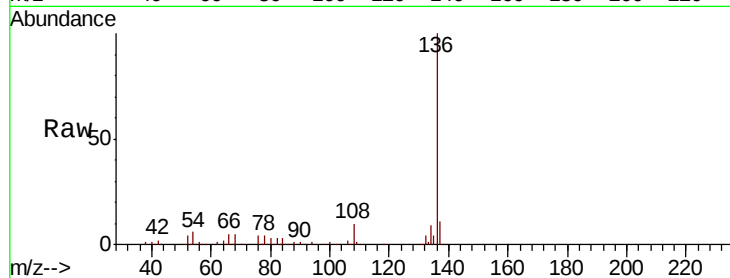
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 6.5 5.4 8.2

68 5.3 4.2 6.2

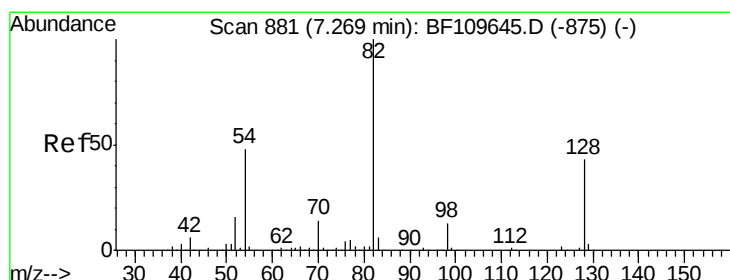
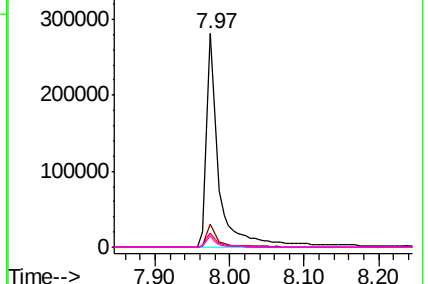
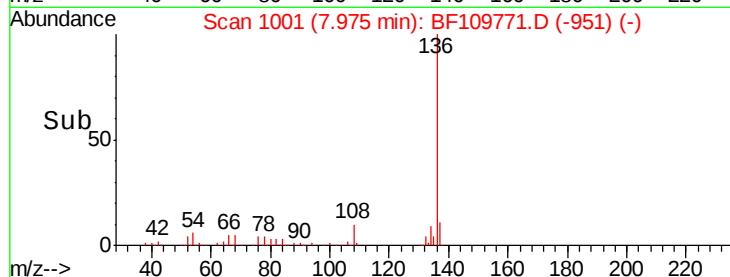


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.871 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109771.D

Acq: 11 Oct 2018 5:18

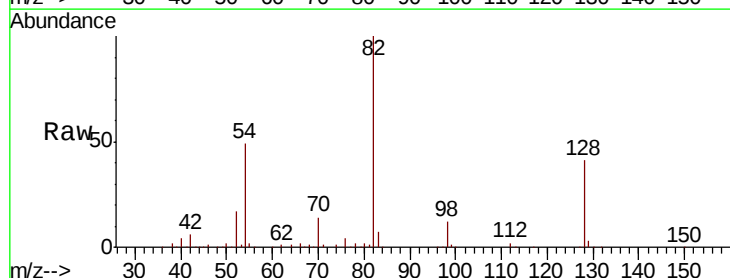
Tgt Ion: 82 Resp: 499197

Ion Ratio Lower Upper

82 100

128 40.7 34.2 51.2

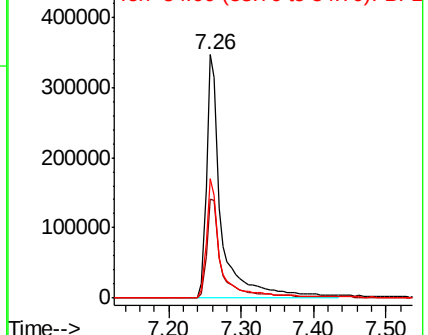
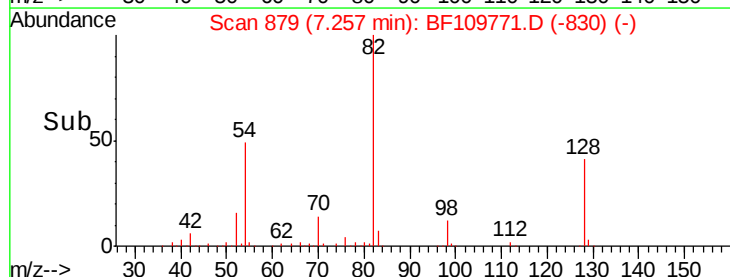
54 49.0 38.6 58.0

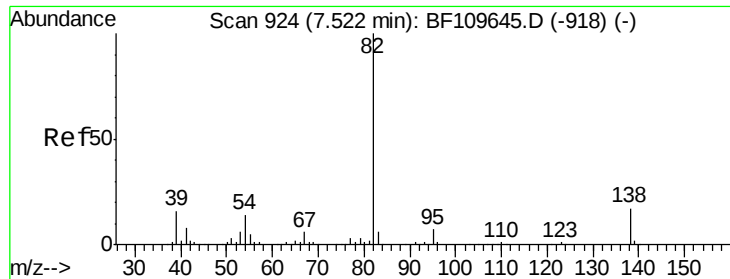


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

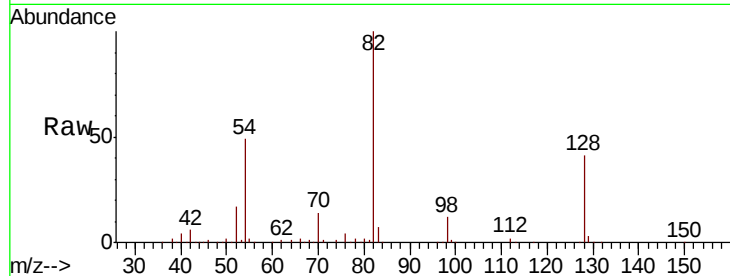




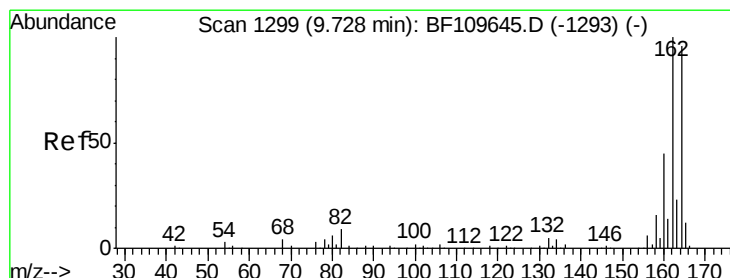
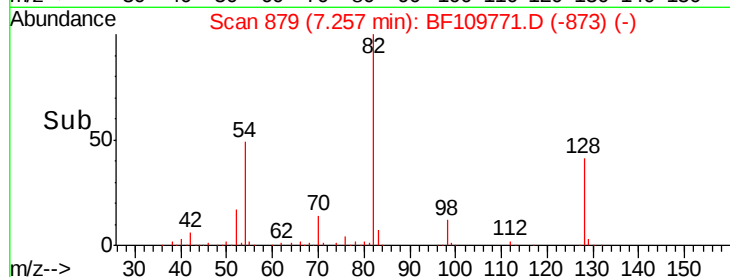
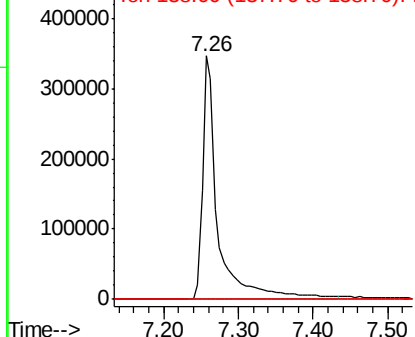
#25  
Isophorone  
Concen: 48.701 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.26 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

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

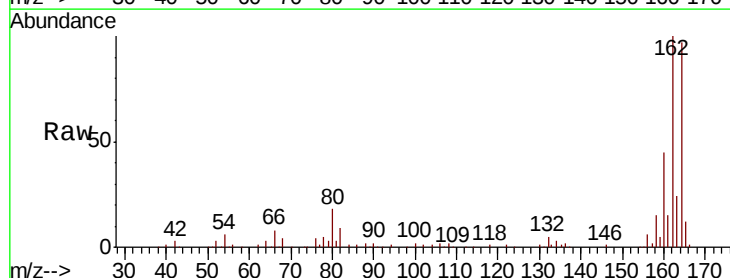


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): E

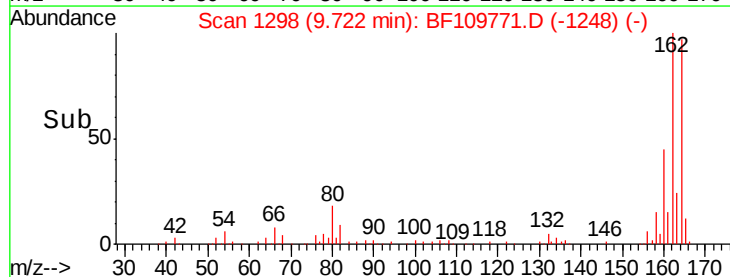
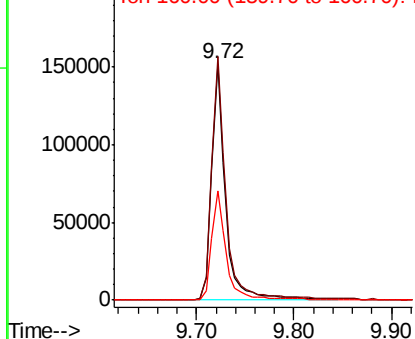


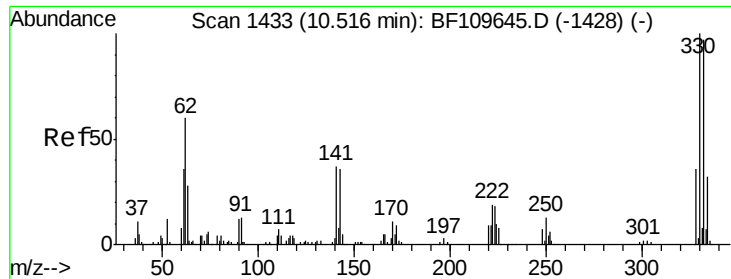
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 83.0  | 124.6 |
| 160     | 46.0  | 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

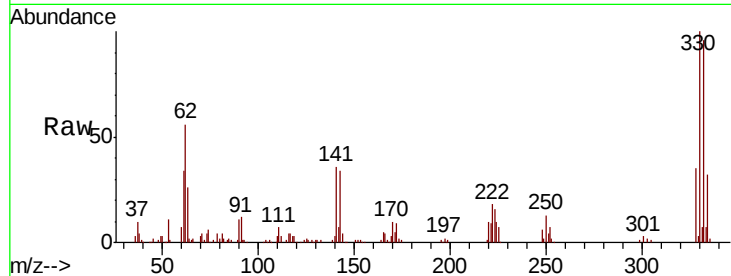




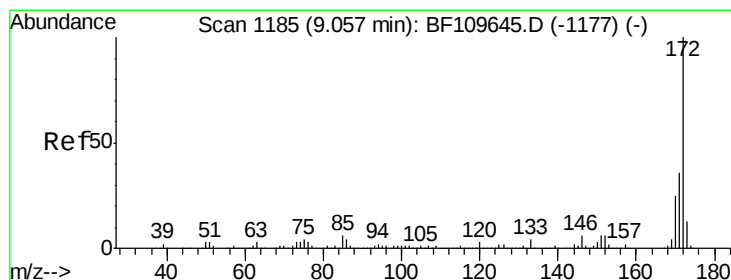
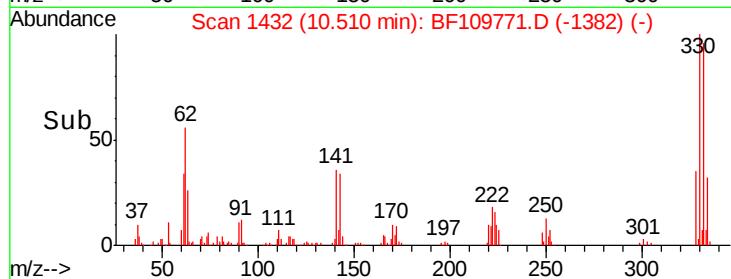
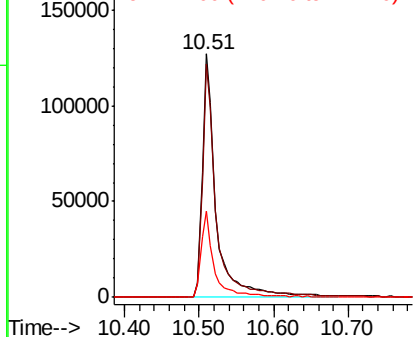
#41  
 2,4,6-Tribromophenol  
 Concen: 101.633 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.1  | 115.7 |
| 141     | 34.0  | 27.0  | 40.4  |

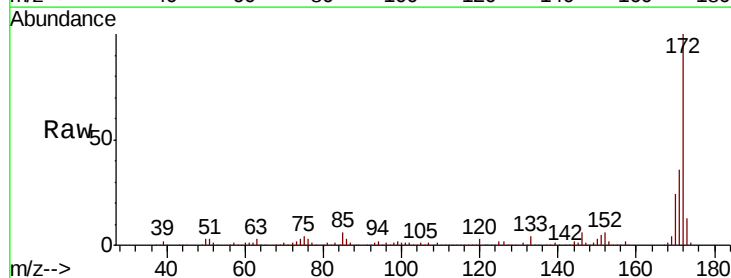


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

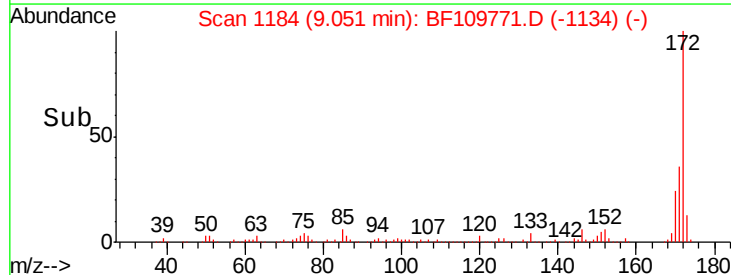
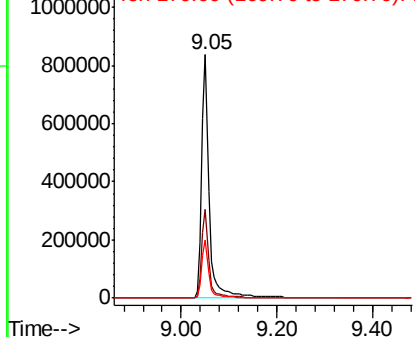


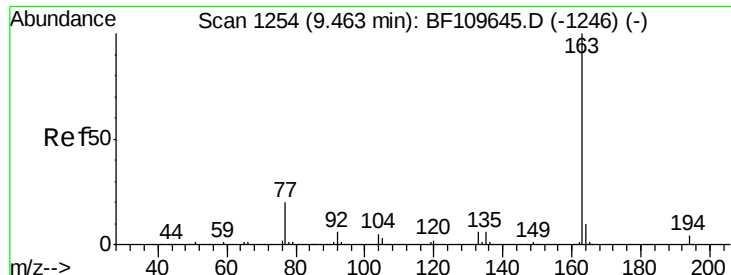
#44  
 2-Fluorobiphenyl  
 Concen: 83.010 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 43.0  |
| 170     | 23.9  | 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

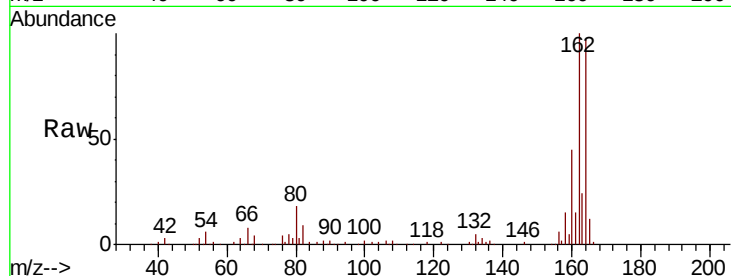




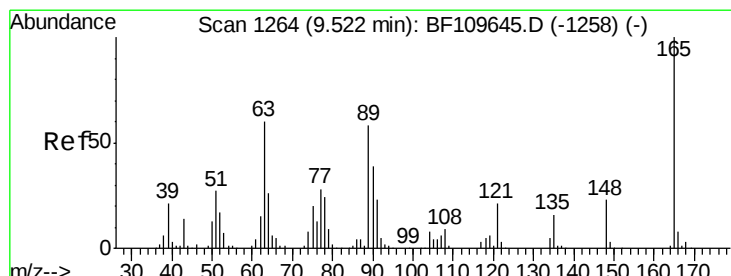
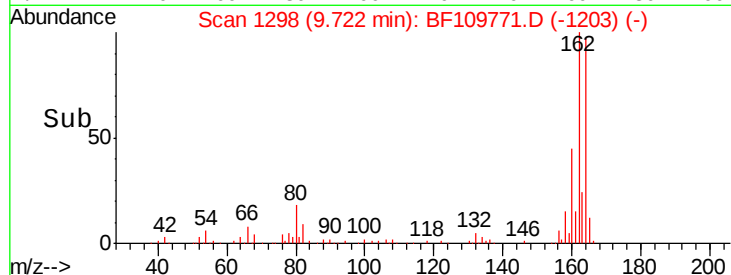
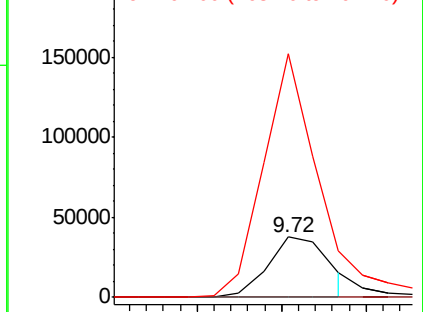
#49  
Dimethylphthalate  
Concen: 3.345 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. 0.26 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

Tgt Ion:163 Resp: 37254  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 405.7 8.1 12.1#

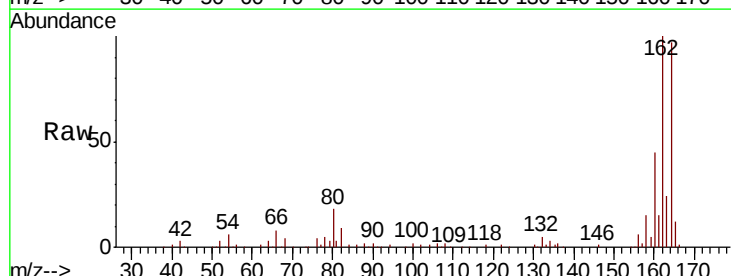


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

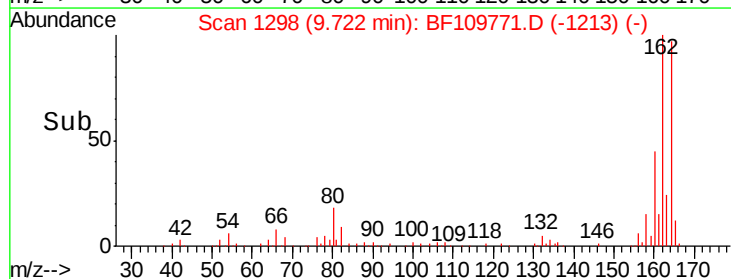
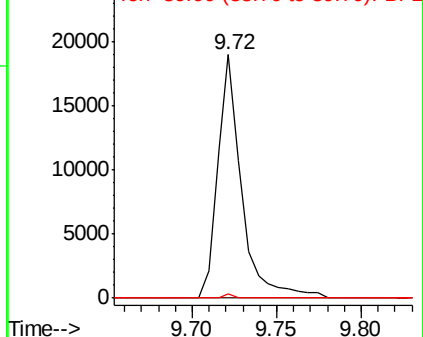


#50  
2,6-Dinitrotoluene  
Concen: 7.756 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. 0.20 min  
Lab File: BF109771.D  
Acq: 11 Oct 2018 5:18

Tgt Ion:165 Resp: 18722  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.9 73.3#  
89 1.9 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

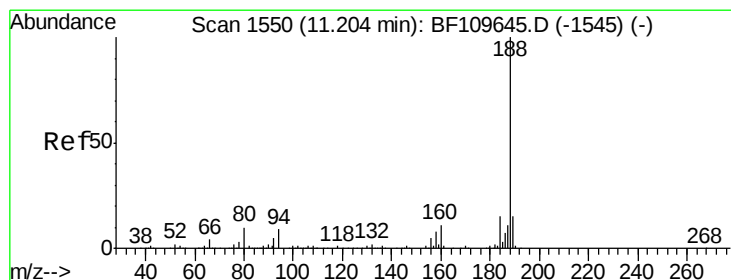
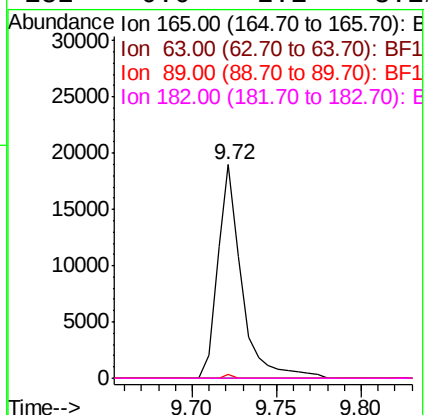
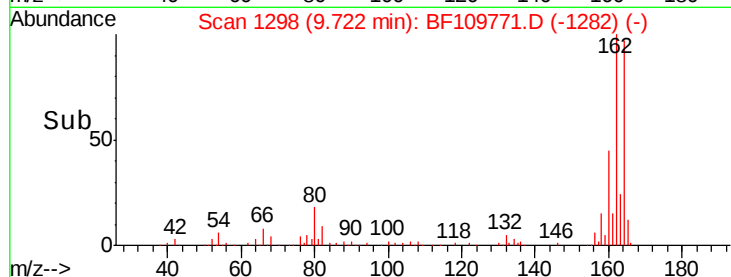
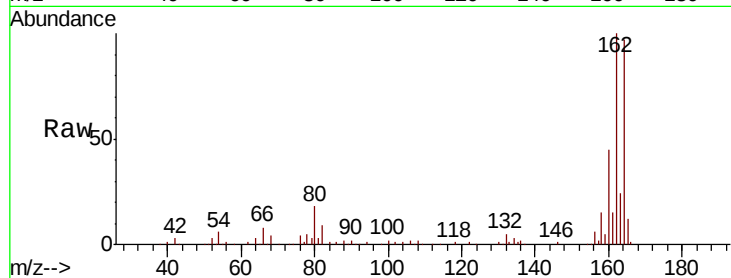




#56  
 2,4-Dinitrotoluene  
 Concen: 6.215 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.21 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

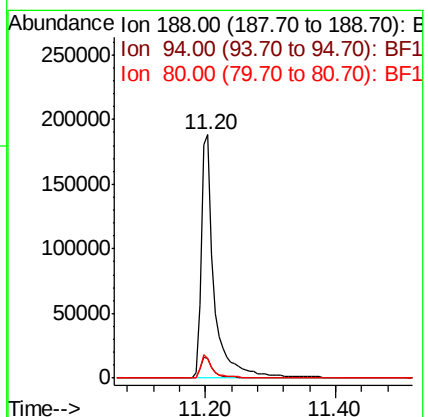
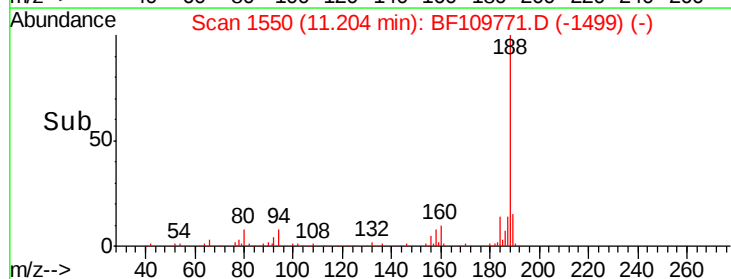
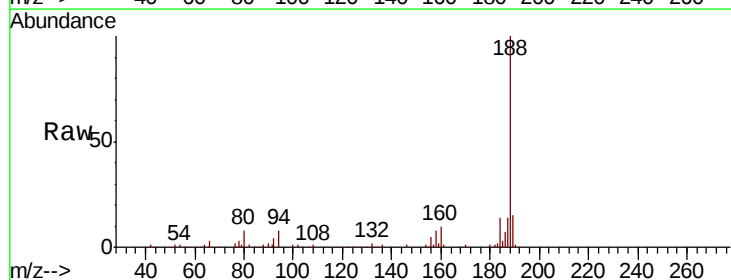
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Tgt Ion:165 Resp: 18722  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.8 67.2#  
 89 1.9 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: BF109771.D  
 Acq: 11 Oct 2018 5:18

Tgt Ion:188 Resp: 260349  
 Ion Ratio Lower Upper  
 188 100  
 94 8.2 7.2 10.8  
 80 8.1 7.9 11.9

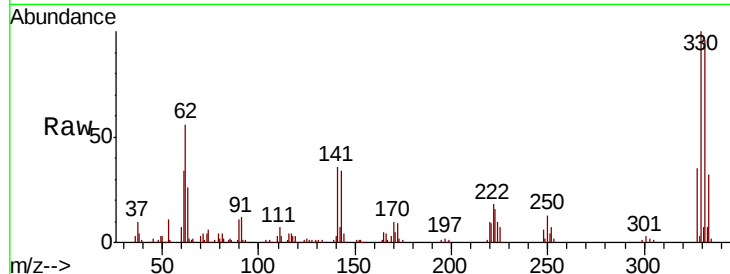




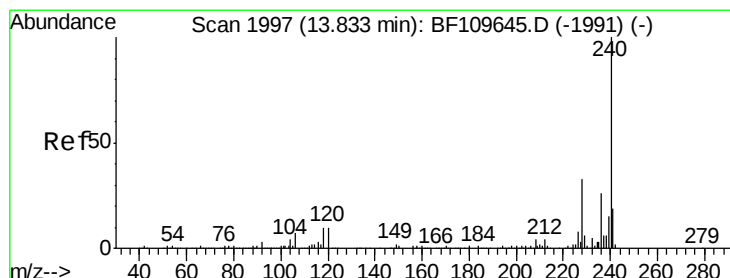
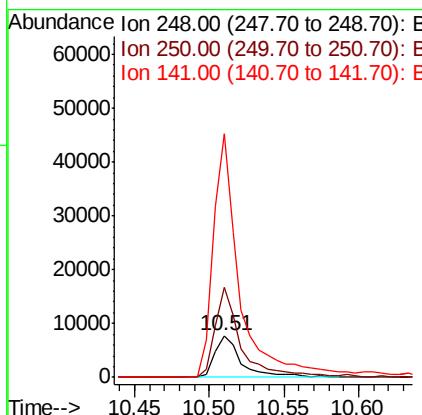
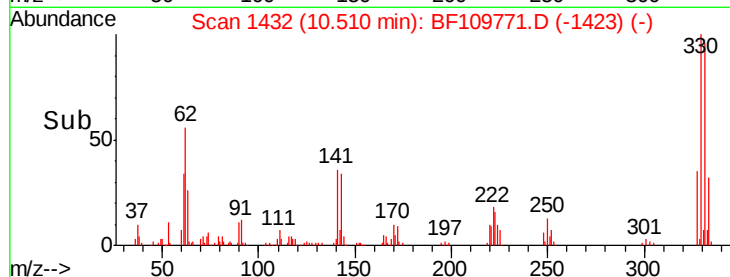
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.254 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.25 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Tgt Ion: 248 Resp: 9734  
 Ion Ratio Lower Upper  
 248 100  
 250 216.5 79.4 119.2#  
 141 586.4 55.9 83.9#

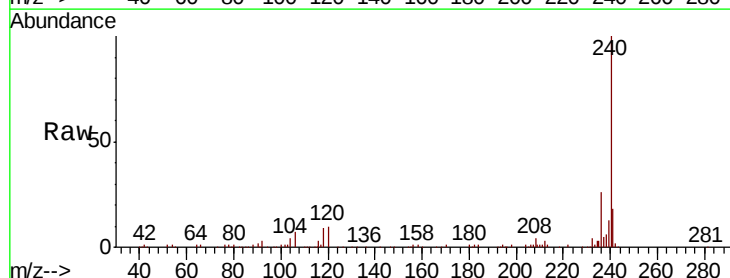


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

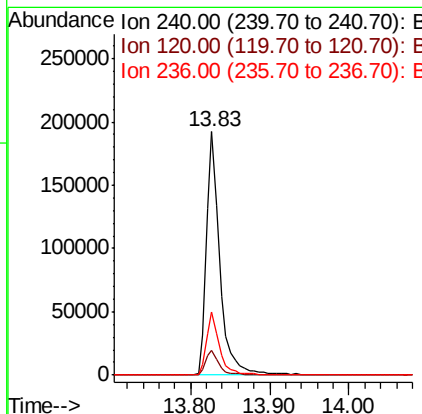
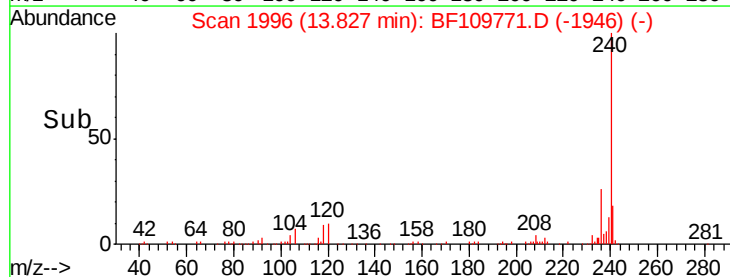


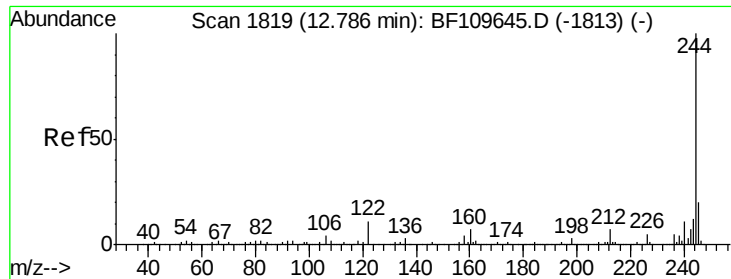
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Tgt Ion: 240 Resp: 229584  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 8.3 12.5  
 236 26.0 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

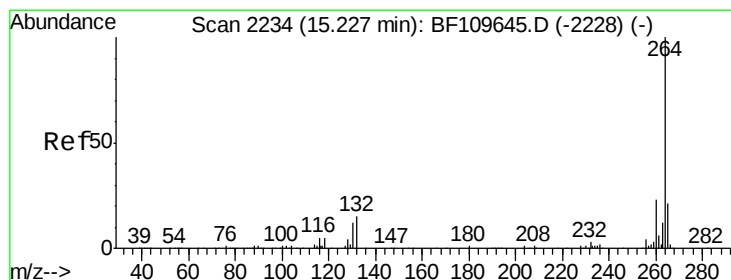
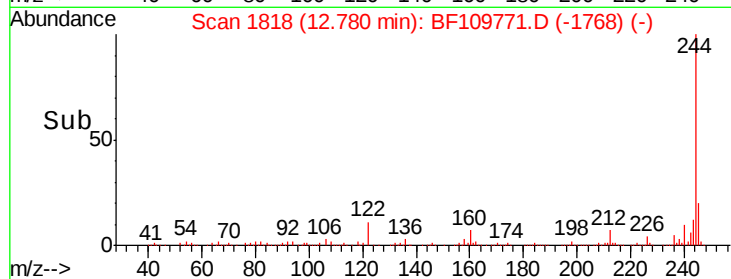
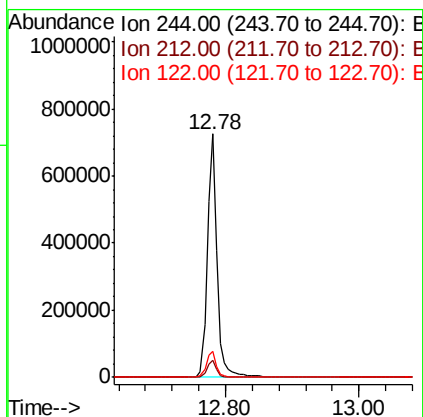
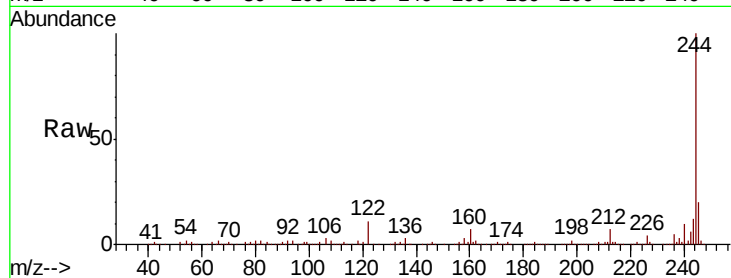




#78  
 Terphenyl-d14  
 Concen: 61.306 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.01 min  
 Lab File: BF109771.D  
 Acq: 11 Oct 2018 5:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Tgt Ion: 244 Resp: 727074  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.8  
 122 10.5 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: BF109771.D  
 Acq: 11 Oct 2018 5:18

Tgt Ion: 264 Resp: 207820  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 18.7 28.1  
 265 20.6 16.7 25.1

