

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\  
 Data File : BF120170.D  
 Acq On : 23 Apr 2020 18:18  
 Operator : MA/SJ  
 Sample : L2330-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-3

Quant Time: Apr 24 01:23:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 13:31:01 2020  
 Response via : Initial Calibration

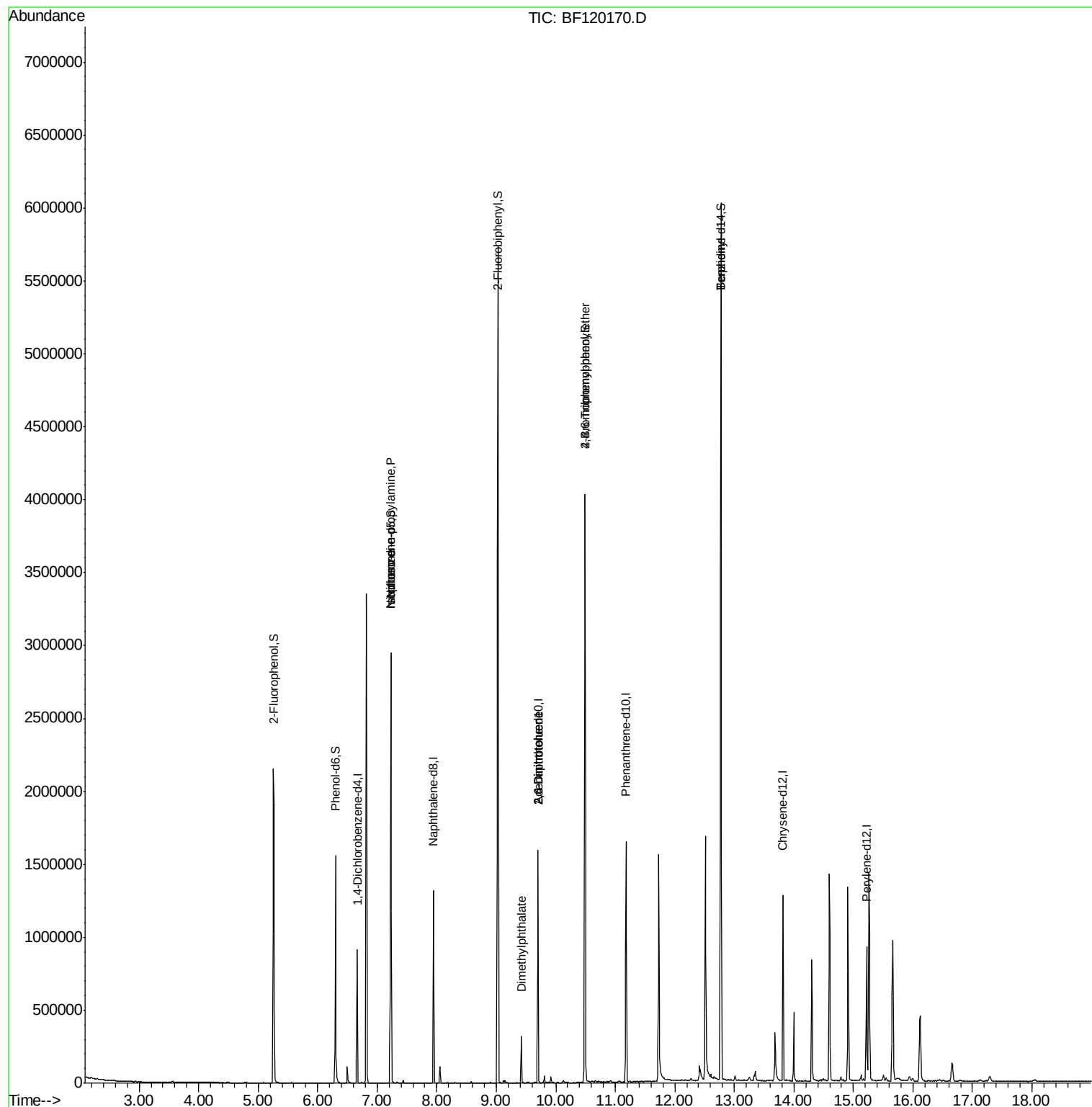
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.66  | 152  | 132232   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.95  | 136  | 525813   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.70  | 164  | 289120   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.18 | 188  | 576728   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.82 | 240  | 435905   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.22 | 264  | 402341   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.26  | 112  | 571268   | 74.66     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.30  | 99   | 478572   | 48.54     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.23  | 82   | 981877   | 96.60     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.49 | 330  | 493929   | 139.54    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.03  | 172  | 1918267  | 94.20     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.78 | 244  | 2409784  | 93.02     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.30  | 77   | 544      | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.23  | 70   | 127416   | 20.097 ng | #     | 1        |
| 25) Isophorone                 | 7.23  | 82   | 977681   | 49.900 ng | #     | 76       |
| 50) Dimethylphthalate          | 9.42  | 163  | 100551   | 4.496 ng  | #     | 65       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 36415    | 7.436 ng  | #     | 99       |
| 57) 2,4-Dinitrotoluene         | 9.70  | 165  | 36415    | 5.644 ng  | #     | 26       |
| 67) 4-Bromophenyl-phenylether  | 10.49 | 248  | 29859    | 4.163 ng  | #     | 20       |
| 77) Benzidine                  | 12.78 | 184  | 30753    | 2.087 ng  | #     | 1        |
|                                |       |      |          |           | #     | 95       |

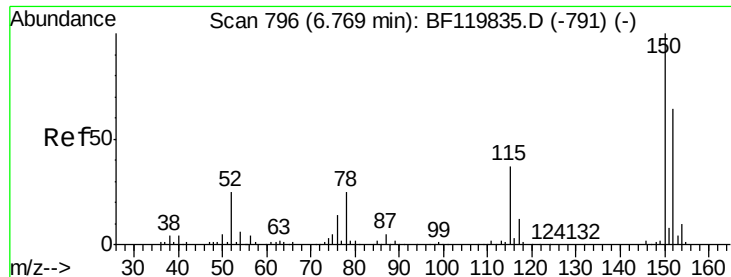
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\  
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Sample : L2330-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
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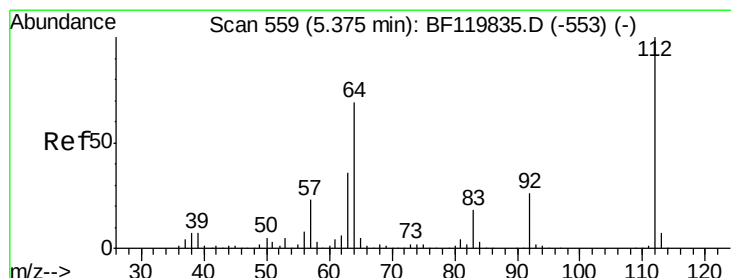
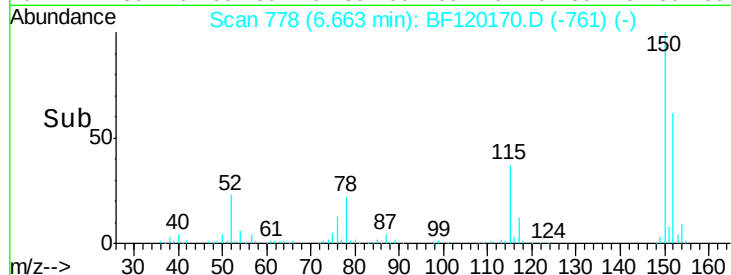
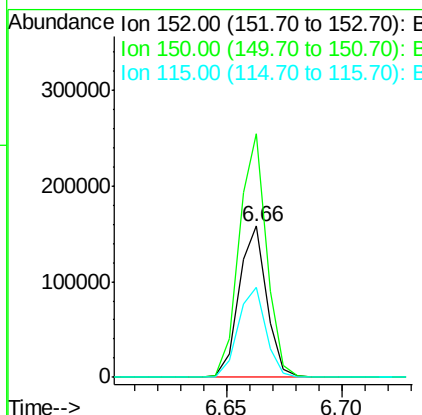
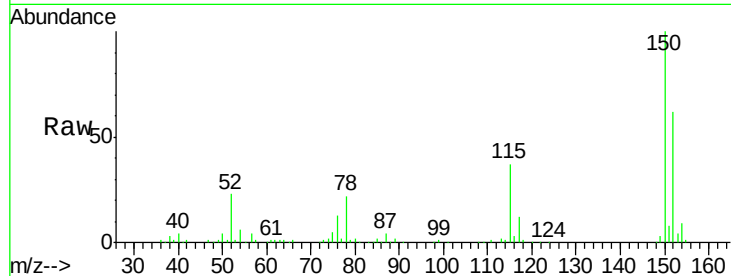


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.66 min Scan# 778  
 Delta R.T. -0.00 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-3

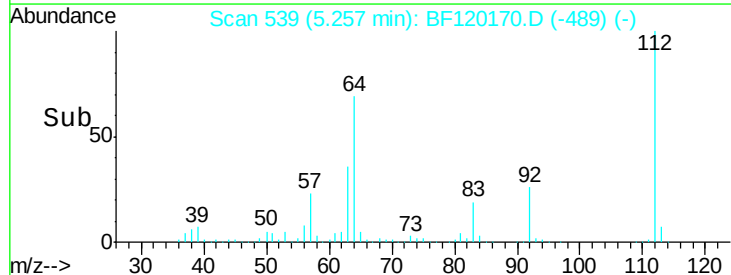
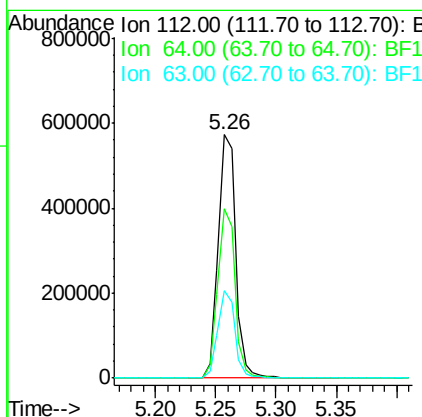
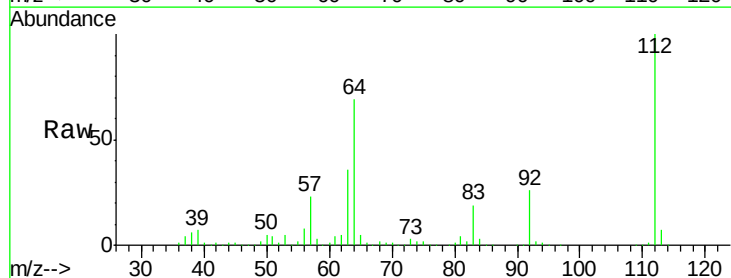
Tot Ion:152 Resp: 132232  
 Ion Ratio Lower Upper  
 152 100  
 150 160.8 124.5 186.7  
 115 59.1 49.6 74.4

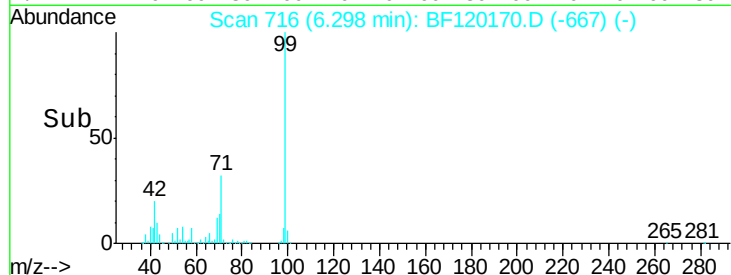
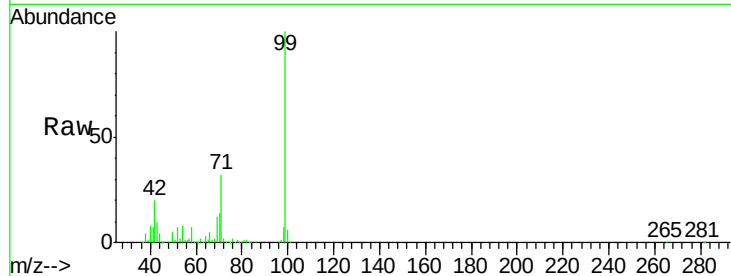
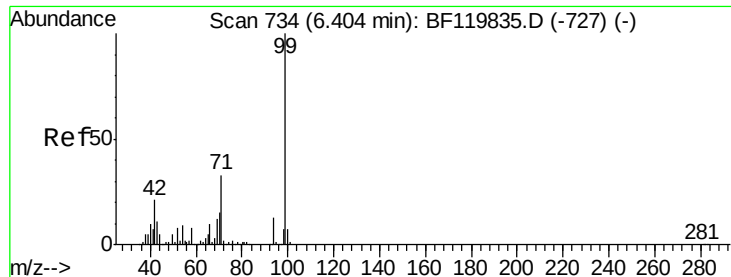


#5

2-Fluorophenol  
 Concen: 74.661 ng  
 RT: 5.26 min Scan# 539  
 Delta R.T. -0.01 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Tgt Ion:112 Resp: 571268  
 Ion Ratio Lower Upper  
 112 100  
 64 69.3 56.7 85.1  
 63 36.1 29.5 44.3





#7

Phenol-d6

Concen: 48.540 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-3

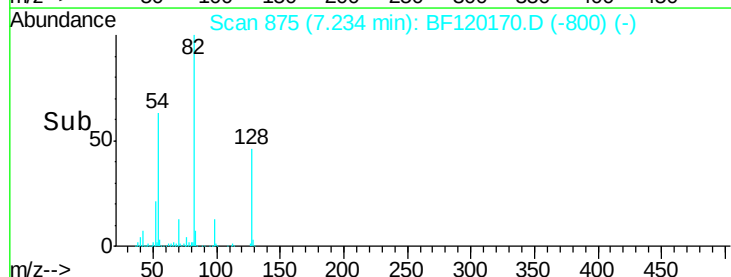
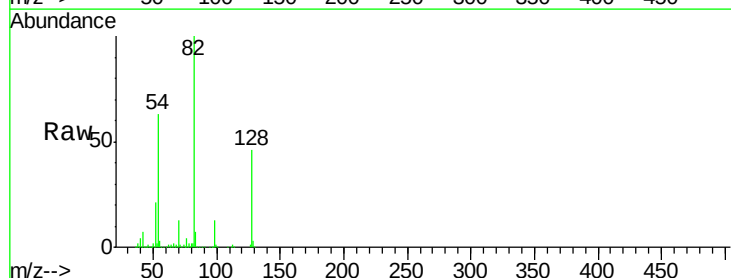
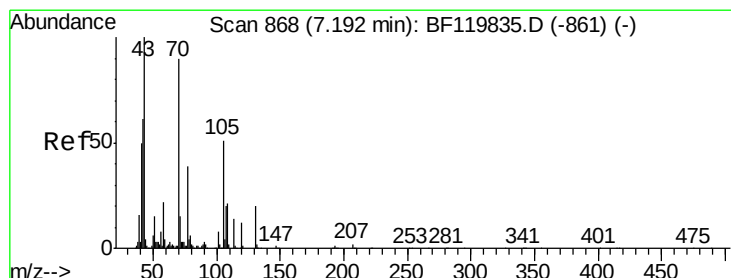
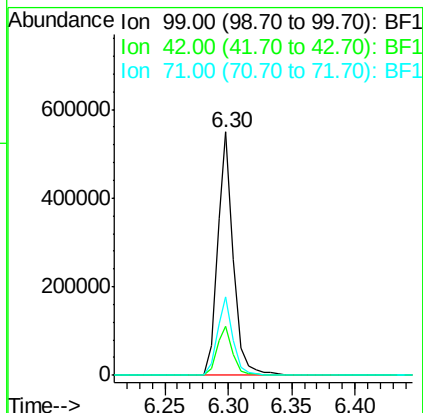
Tot Ion: 99 Resp: 478572

Ion Ratio Lower Upper

99 100

42 20.2 16.6 24.8

71 32.1 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 20.097 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

Tgt Ion: 70 Resp: 127416

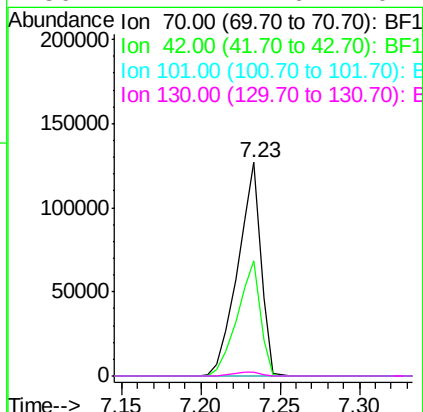
Ion Ratio Lower Upper

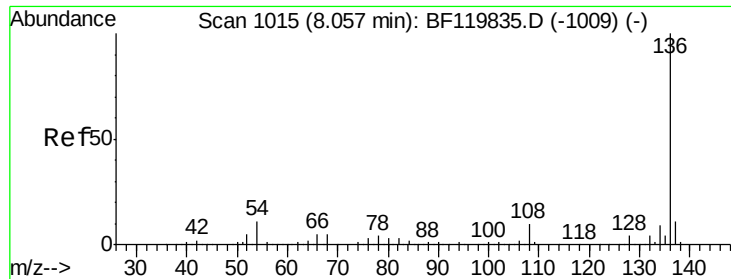
70 100

42 53.8 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

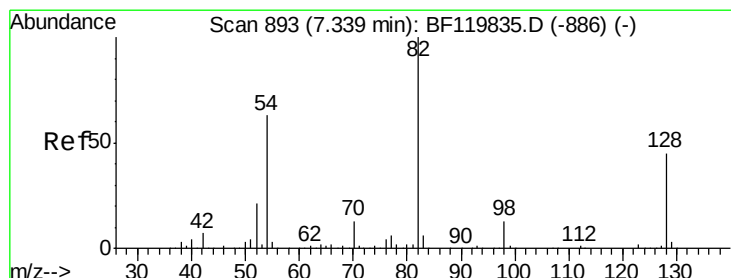
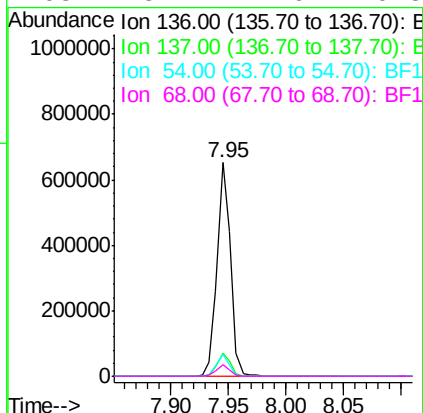
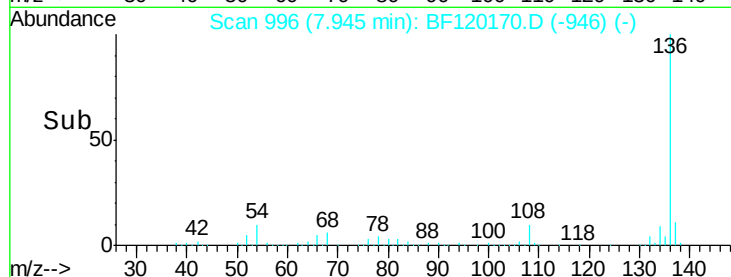
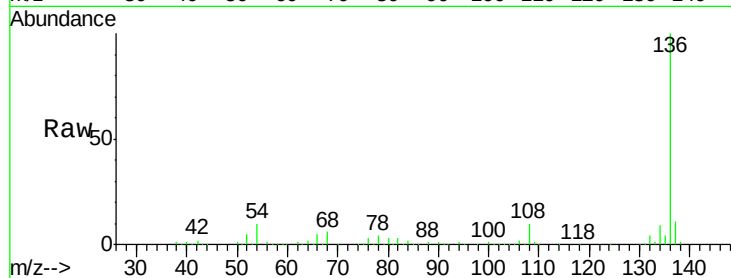




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.95 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF120170.D  
Acq: 23 Apr 2020 18:18

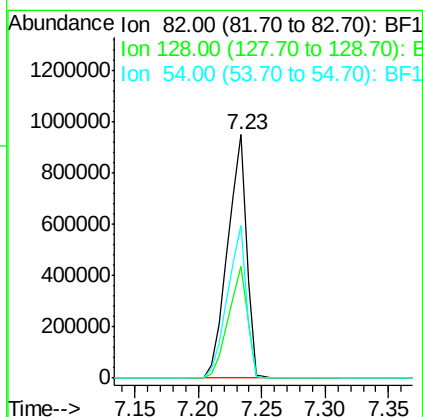
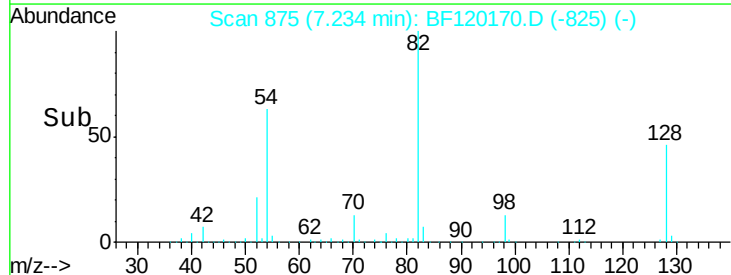
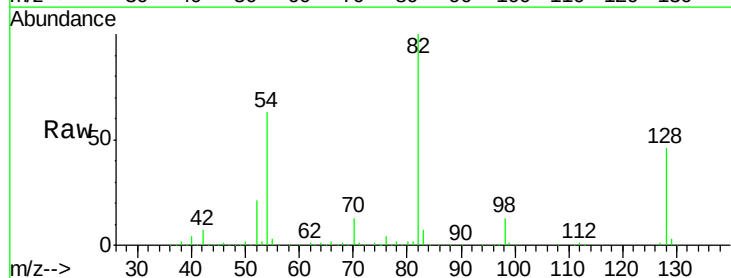
Instrument :  
BNA\_F  
ClientSampleId :  
WB-TWP-3

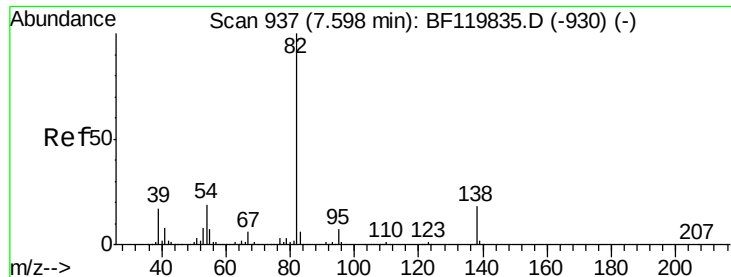
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 525813      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 8.7 13.1    |
| 54          | 10.1  | 9.1 13.7    |
| 68          | 5.7   | 4.6 6.8     |



#23  
Nitrobenzene-d5  
Concen: 96.605 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF120170.D  
Acq: 23 Apr 2020 18:18

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 981877      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.8  | 36.3 54.5   |
| 54          | 62.6  | 50.6 75.8   |





#25

Isophorone

Concen: 49.900 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-3

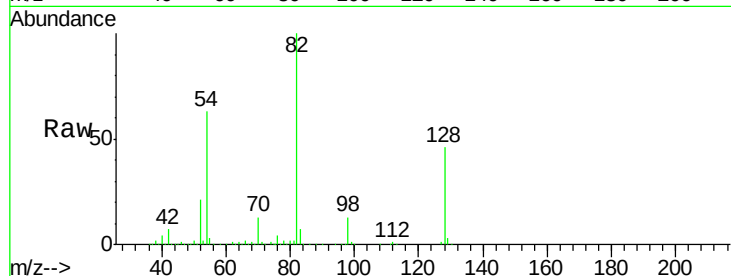
Tot Ion: 82 Resp: 977681

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

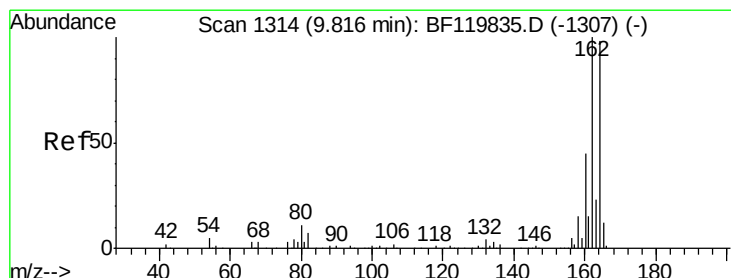
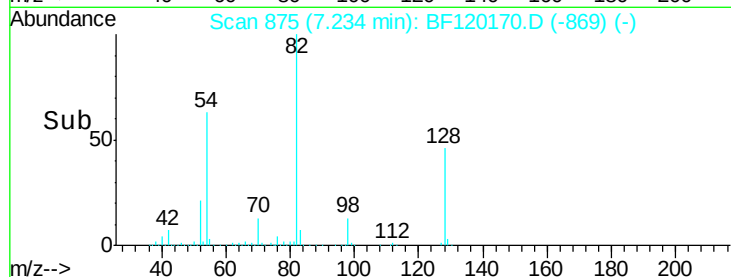
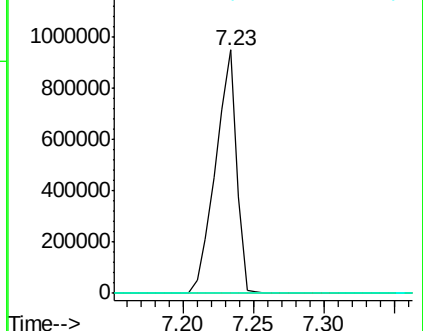
138 0.0 14.6 21.8#



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: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

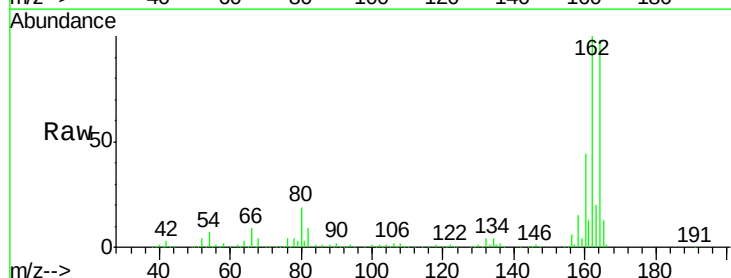
Tgt Ion:164 Resp: 289120

Ion Ratio Lower Upper

164 100

162 102.2 80.6 121.0

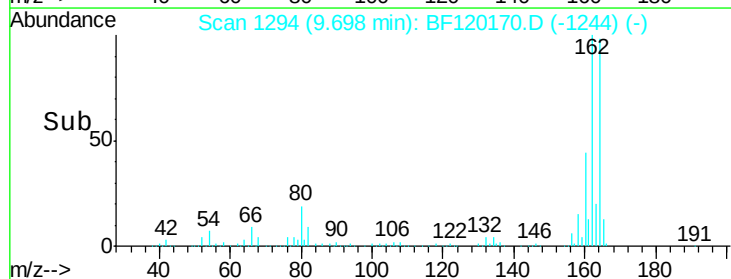
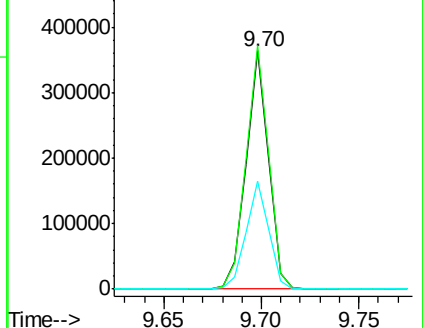
160 45.2 35.7 53.5

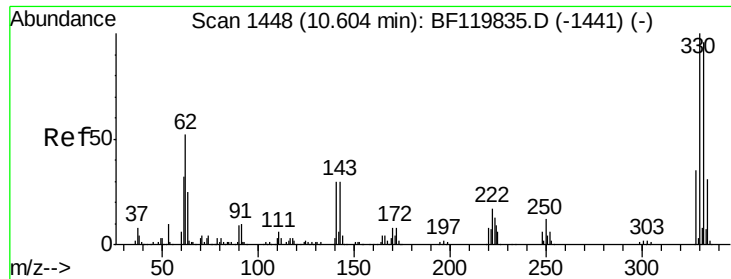


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

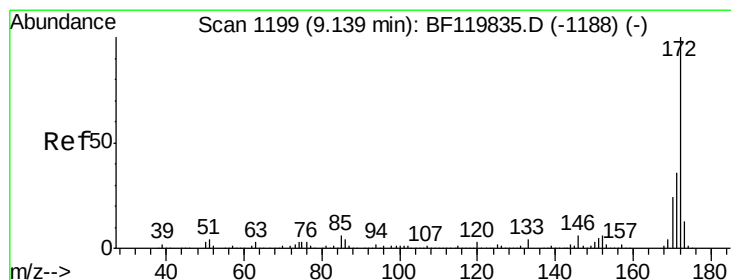
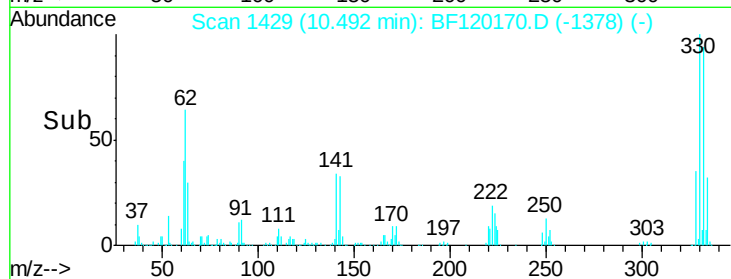
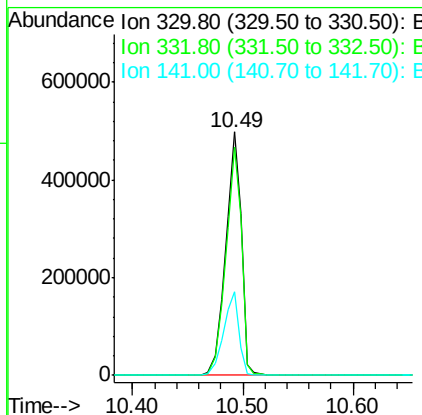
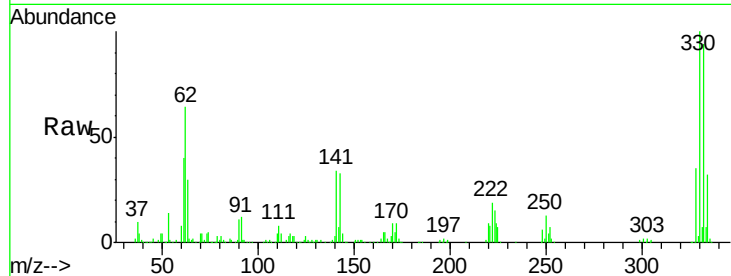




#42  
 2,4,6-Tribromophenol  
 Concen: 139.535 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. -0.00 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

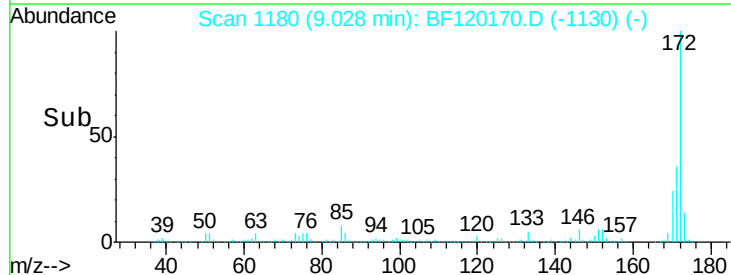
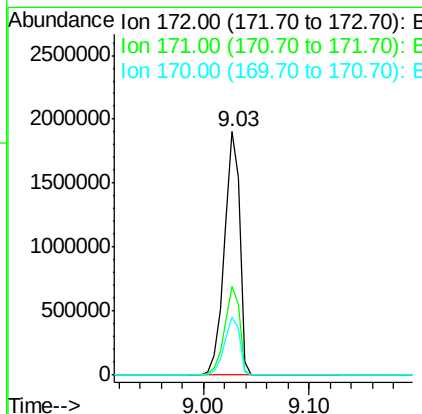
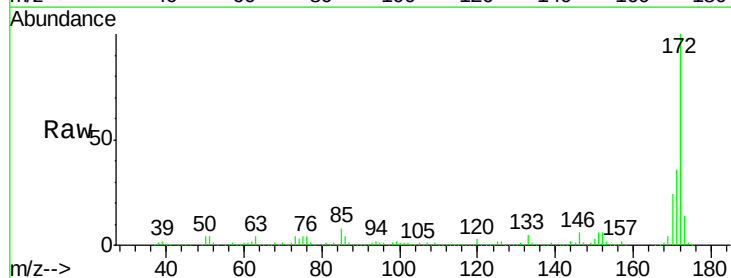
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-3

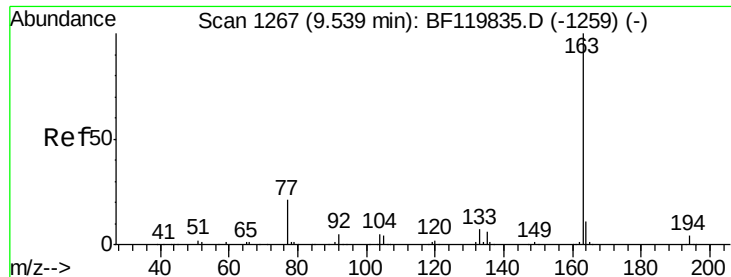
Tot Ion:330 Resp: 493929  
 Ion Ratio Lower Upper  
 330 100  
 332 94.4 75.7 113.5  
 141 33.7 25.4 38.0



#45  
 2-Fluorobiphenyl  
 Concen: 94.200 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Tgt Ion:172 Resp: 1918267  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.6 44.4  
 170 23.8 20.2 30.2

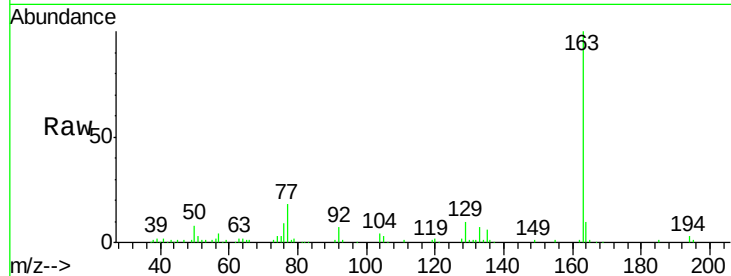




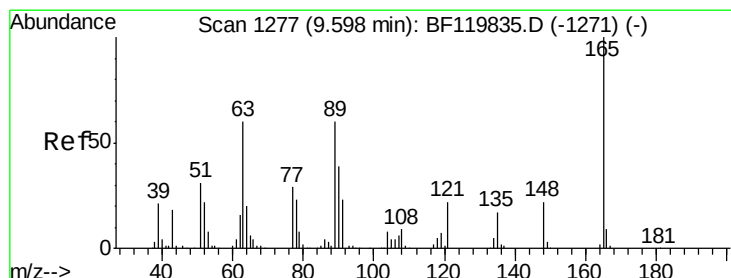
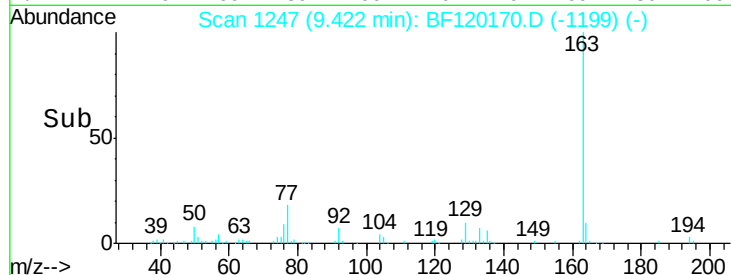
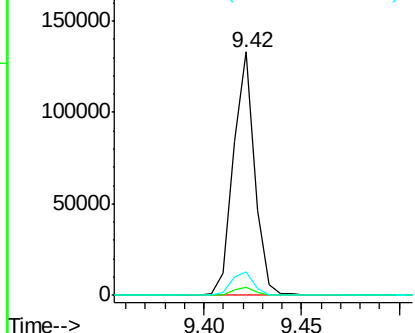
#50  
Dimethylphthalate  
Concen: 4.496 ng  
RT: 9.42 min Scan# 1247  
Delta R.T. -0.02 min  
Lab File: BF120170.D  
Acq: 23 Apr 2020 18:18

Instrument :  
BNA\_F  
ClientSampleId :  
WB-TWP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.3   | 3.1   | 4.7   |
| 164     | 9.7   | 8.2   | 12.2  |

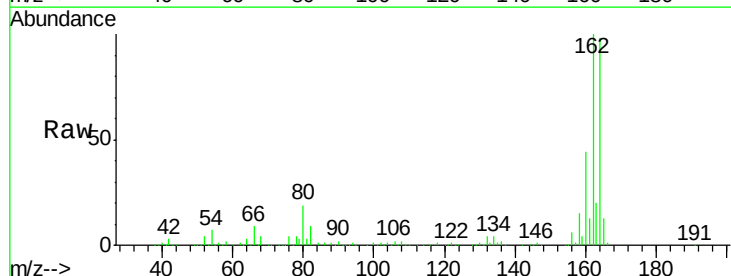


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

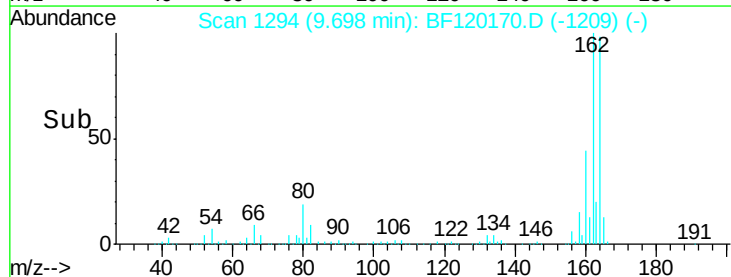
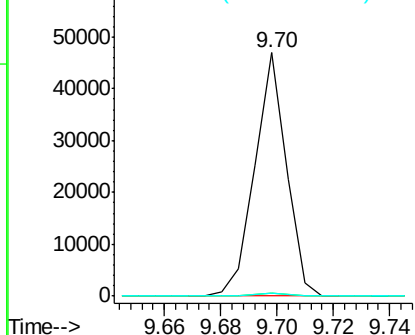


#51  
2,6-Dinitrotoluene  
Concen: 7.436 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. 0.20 min  
Lab File: BF120170.D  
Acq: 23 Apr 2020 18:18

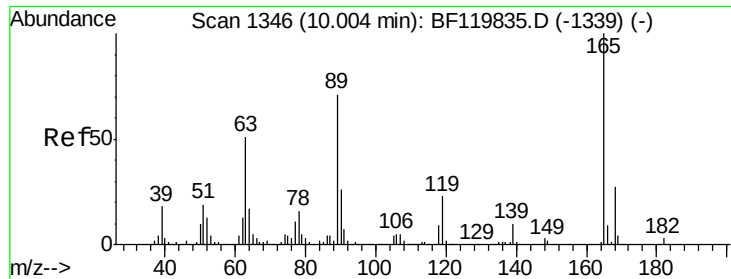
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 45.0  | 67.4# |
| 89      | 1.3   | 41.5  | 62.3# |



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



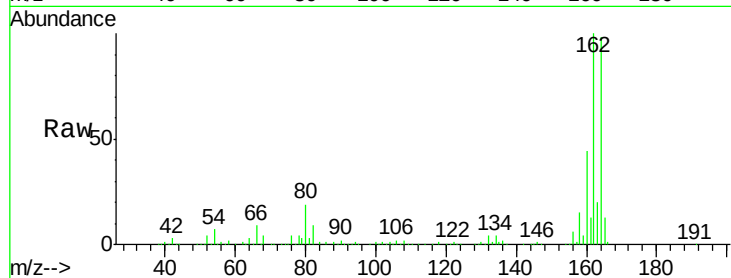




#57  
 2,4-Dinitrotoluene  
 Concen: 5.644 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. -0.21 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 42.6  | 64.0# |
| 89      | 1.3   | 61.0  | 91.4# |
| 182     | 0.0   | 2.2   | 3.2#  |

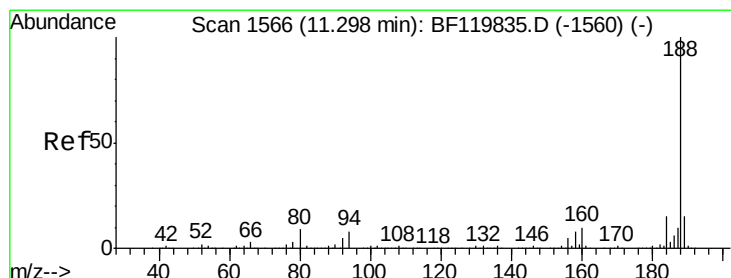
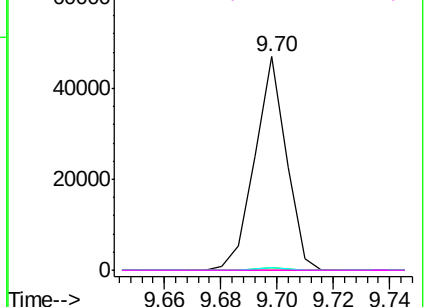
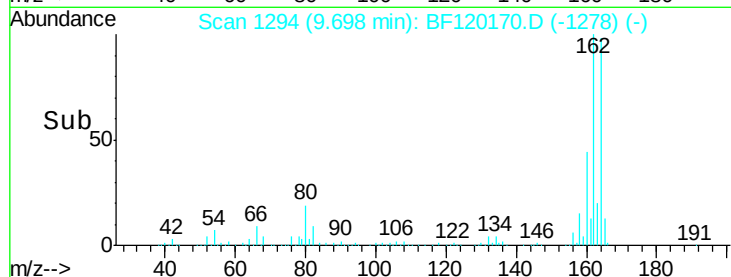


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

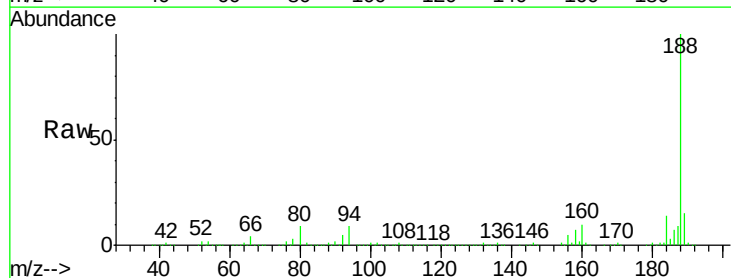
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.18 min Scan# 1546  
 Delta R.T. -0.01 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

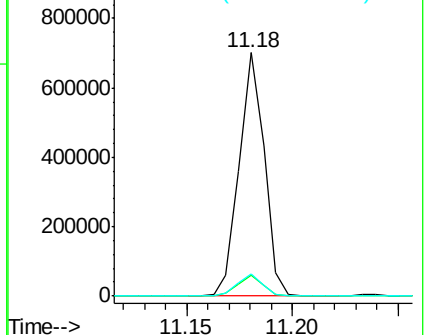
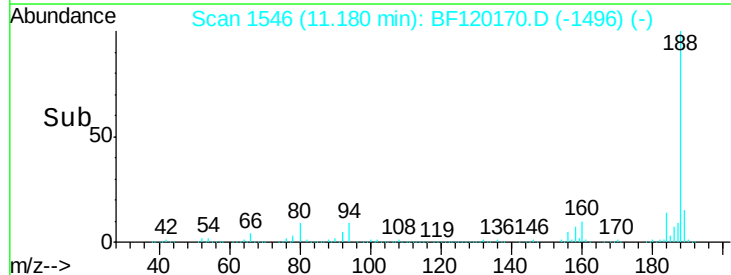
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 7.5   | 11.3  |
| 80      | 9.3   | 9.0   | 13.4  |

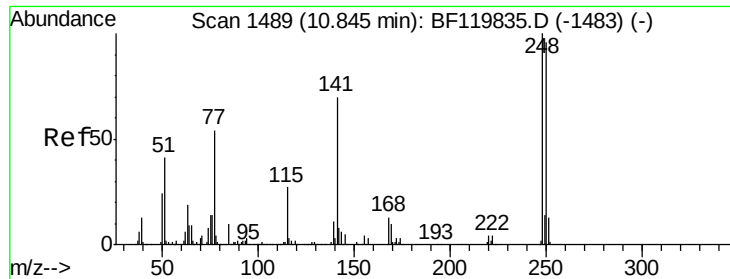


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

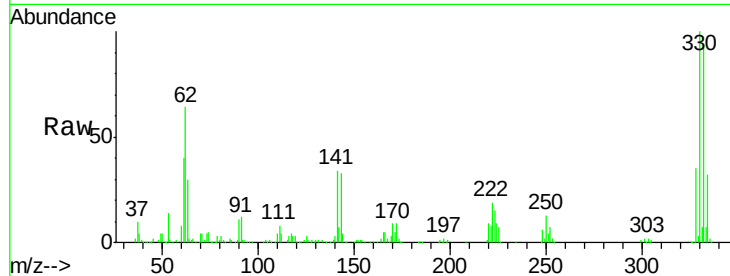




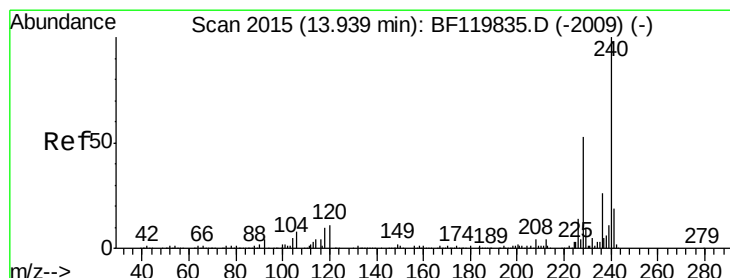
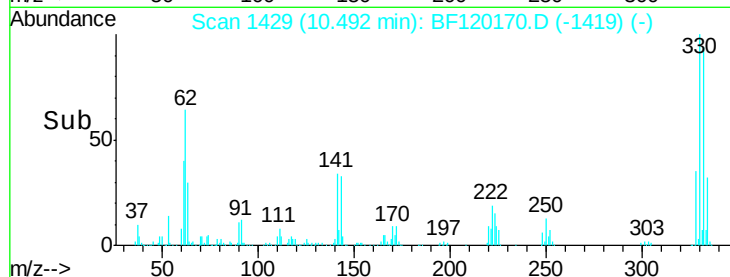
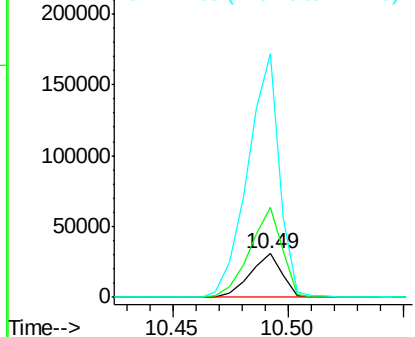
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.163 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. -0.24 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-3

Tot Ion:248 Resp: 29859  
 Ion Ratio Lower Upper  
 248 100  
 250 205.4 77.3 115.9#  
 141 556.8 58.6 87.8#

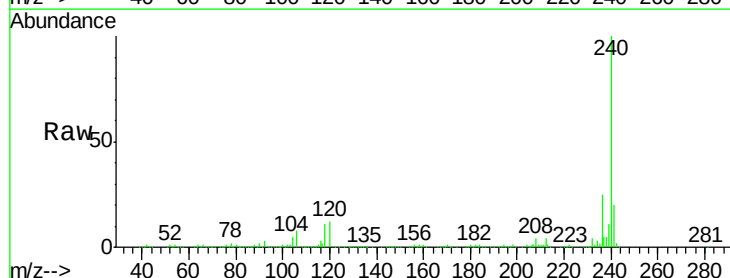


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

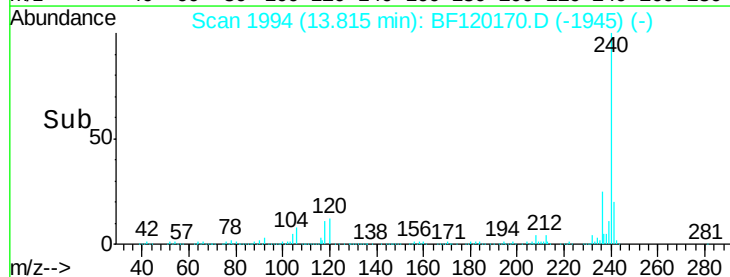
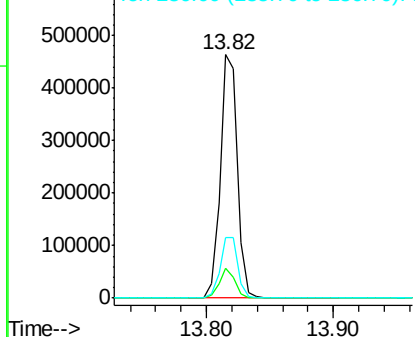


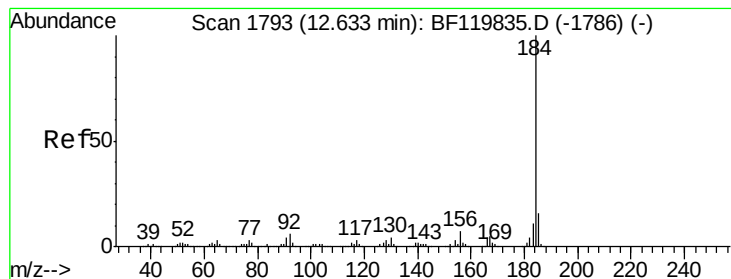
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.01 min  
 Lab File: BF120170.D  
 Acq: 23 Apr 2020 18:18

Tgt Ion:240 Resp: 435905  
 Ion Ratio Lower Upper  
 240 100  
 120 12.0 10.6 15.8  
 236 25.0 20.2 30.2



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





#77

Benzidine

Concen: 2.087 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.26 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-3

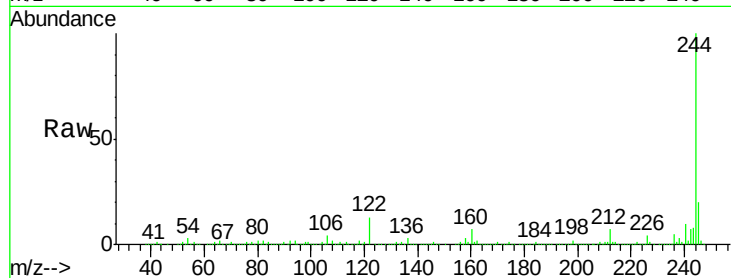
Tot Ion:184 Resp: 30753

Ion Ratio Lower Upper

184 100

185 15.1 12.3 18.5

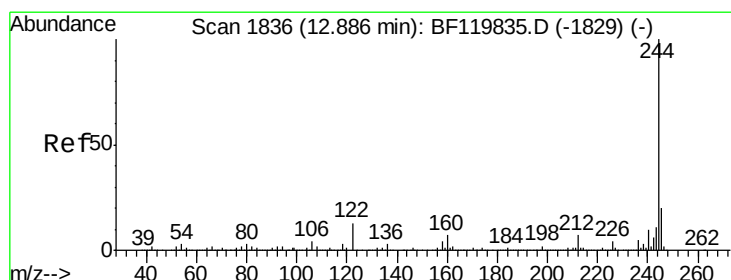
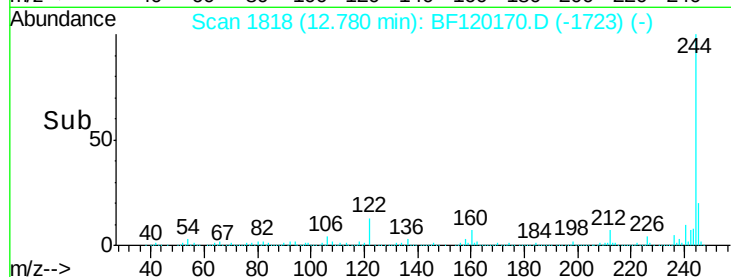
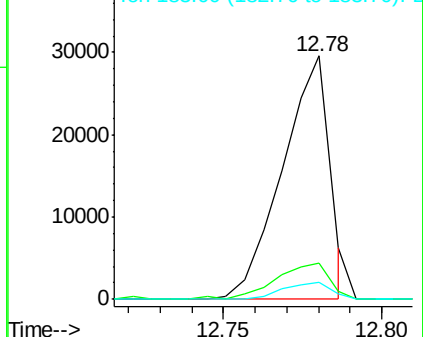
183 7.0 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.021 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120170.D

Acq: 23 Apr 2020 18:18

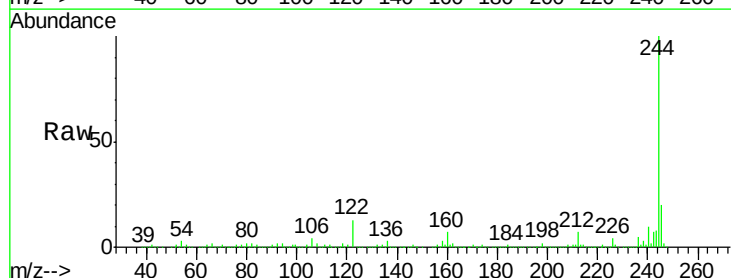
Tgt Ion:244 Resp: 2409784

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

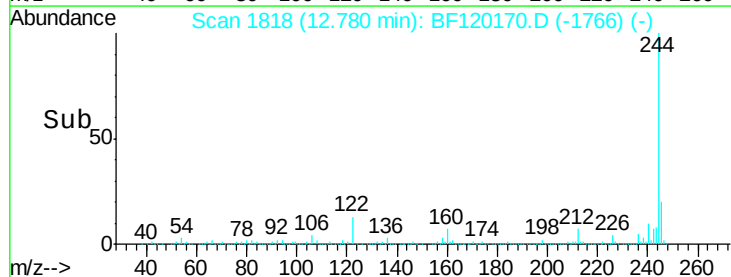
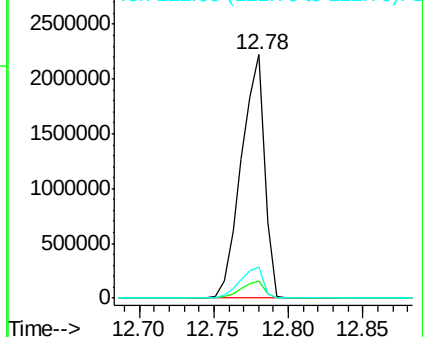
122 12.6 10.3 15.5

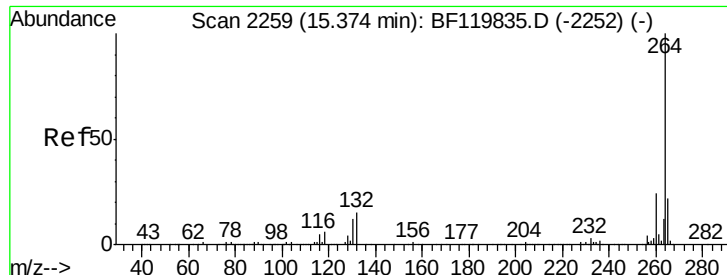


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

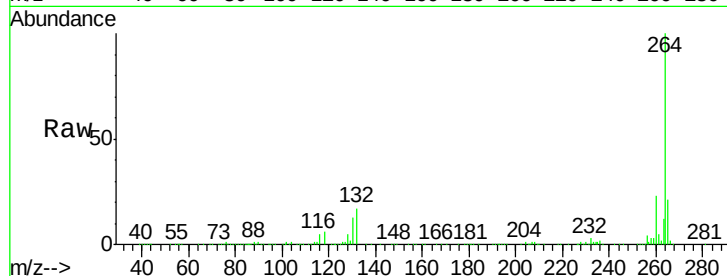




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BF120170.D  
Acq: 23 Apr 2020 18:18

Instrument :  
BNA\_F  
ClientSampleId :  
WB-TWP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.7  | 28.1  |
| 265     | 21.5  | 17.7  | 26.5  |



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

