

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\  
 Data File : BF120190.D  
 Acq On : 24 Apr 2020 9:45  
 Operator : MA/SJ  
 Sample : L2330-18  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-1

Quant Time: Apr 24 10:41:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 24 10:24:30 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 146198   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.95  | 136  | 583450   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.72  | 164  | 307528   | 20.00 | ng    | 0.01     |
| 64) Phenanthrene-d10      | 11.19 | 188  | 580121   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 373256   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.22 | 264  | 302364   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.27  | 112  | 742557   | 87.78  | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 638037   | 58.53  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1034613  | 91.74  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 470295   | 124.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 2029740  | 93.71  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.78 | 244  | 2240043  | 100.98 | ng    | 0.00     |

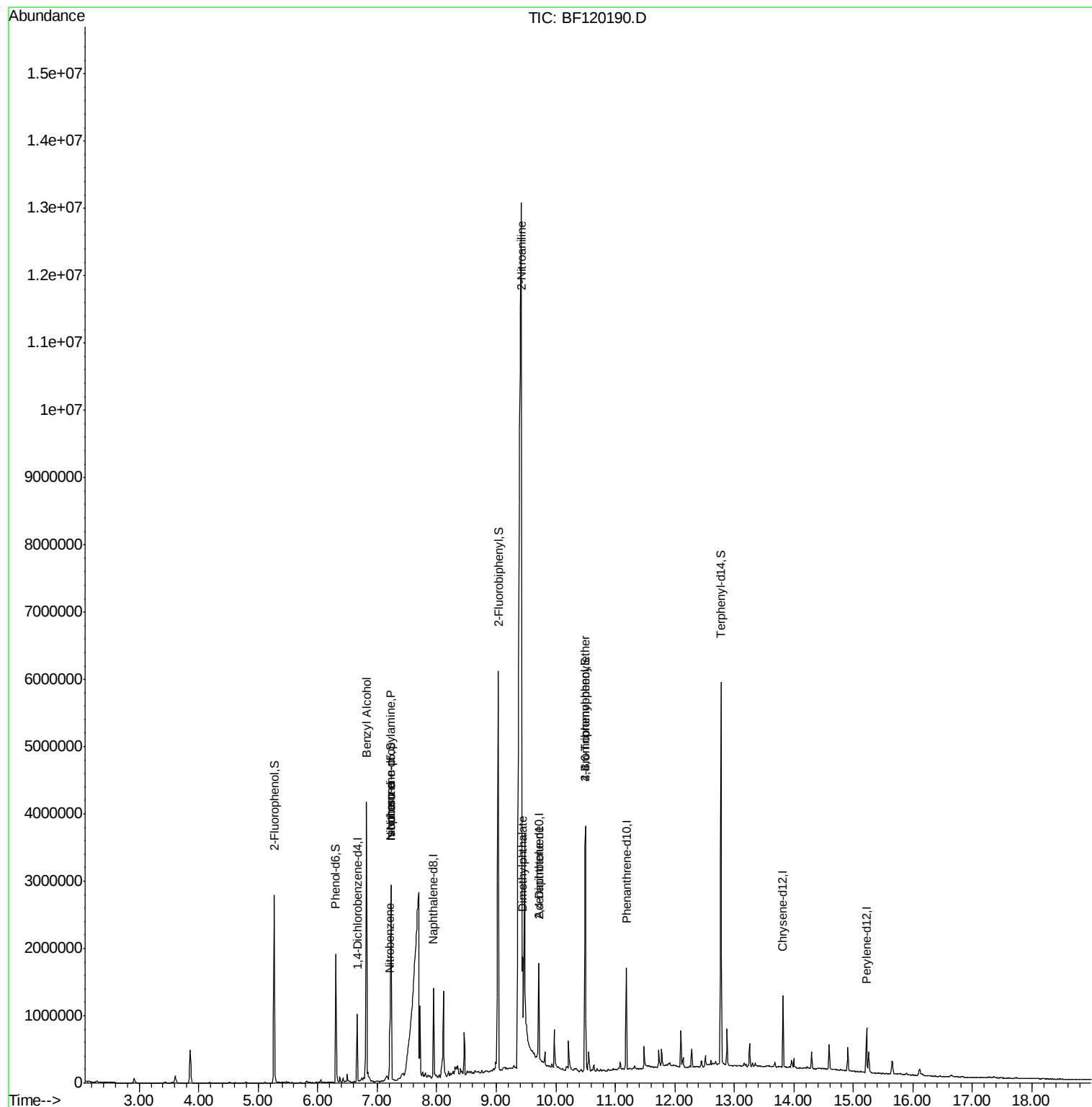
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.21  | 77   | 2470     | Below Cal |       | 89     |
| 15) Benzyl Alcohol             | 6.82  | 79   | 17303    | 2.044 ng  | #     | 46     |
| 19) n-Nitroso-di-n-propylamine | 7.23  | 70   | 137757   | 19.652 ng | #     | 75     |
| 24) Nitrobenzene               | 7.21  | 77   | 23393    | 2.062 ng  | #     | 48     |
| 25) Isophorone                 | 7.23  | 82   | 1030297  | 47.390 ng | #     | 65     |
| 48) 2-Nitroaniline             | 9.42  | 65   | 532760   | 73.522 ng | #     | 11     |
| 50) Dimethylphthalate          | 9.45  | 163  | 92629    | 3.894 ng  |       | 99     |
| 57) 2,4-Dinitrotoluene         | 9.71  | 165  | 41696    | 6.076 ng  | #     | 24     |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248  | 29132    | 4.038 ng  | #     | 1      |

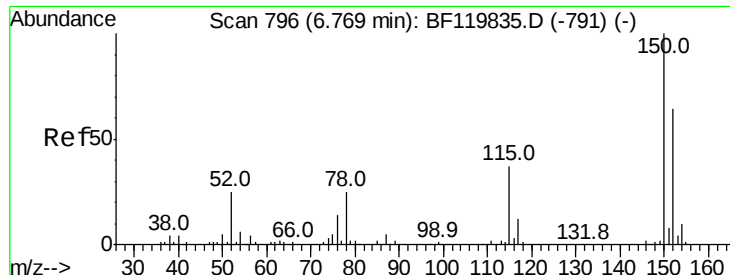
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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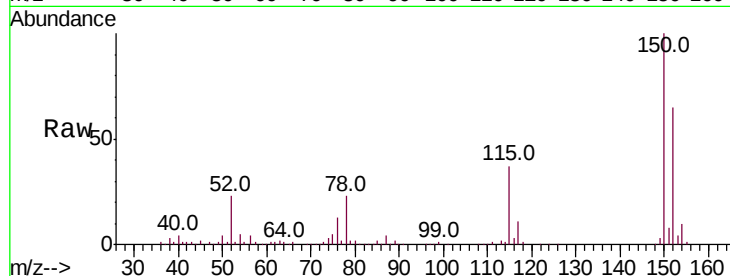


#1

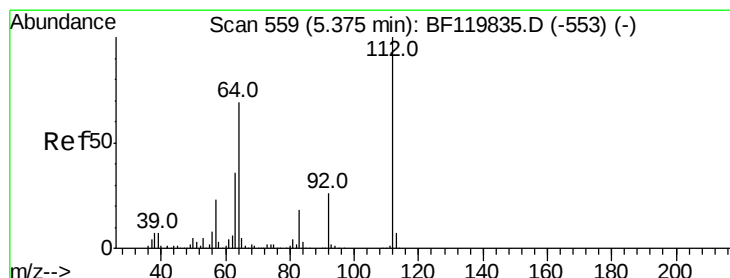
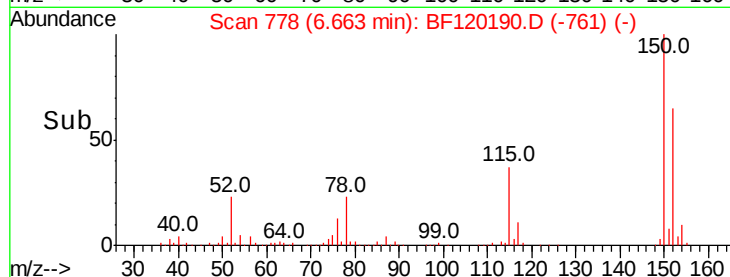
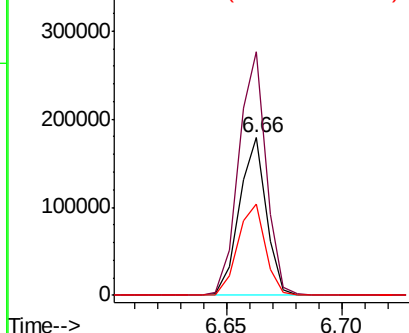
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.66 min Scan# 778  
 Delta R.T. 0.00 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 124.5 | 186.7 |
| 115     | 57.7  | 49.6  | 74.4  |



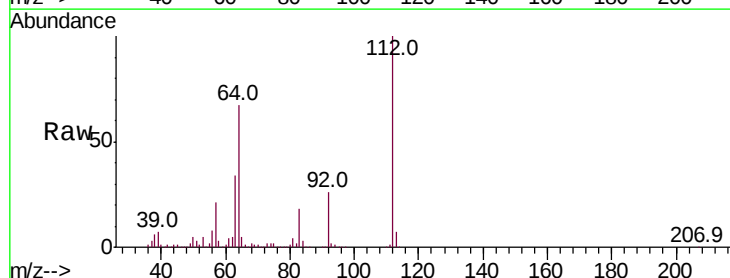
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



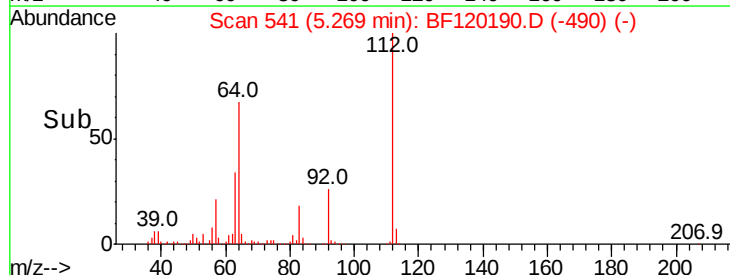
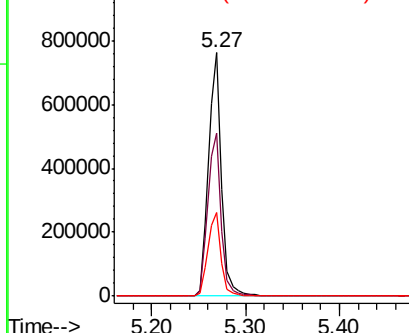
#5

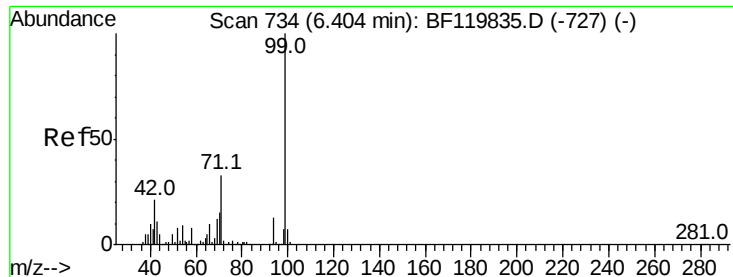
2-Fluorophenol  
 Concen: 87.776 ng  
 RT: 5.27 min Scan# 541  
 Delta R.T. 0.00 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.0  | 56.7  | 85.1  |
| 63      | 34.5  | 29.5  | 44.3  |



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: 58.532 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-1

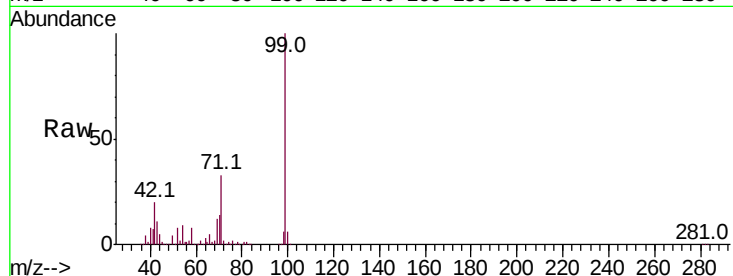
Tot Ion: 99 Resp: 638037

Ion Ratio Lower Upper

99 100

42 20.2 16.6 24.8

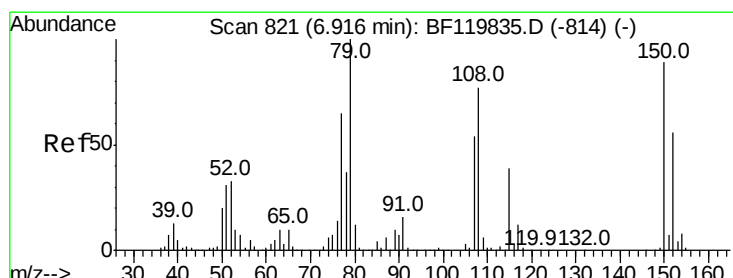
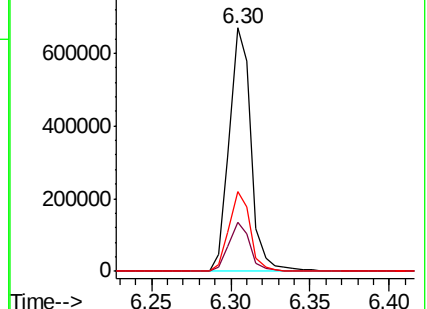
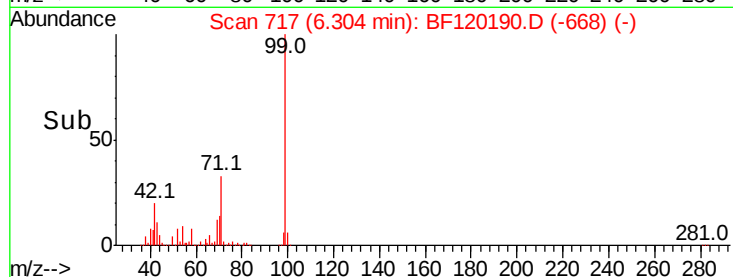
71 32.8 26.4 39.6



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



#15

Benzyl Alcohol

Concen: 2.044 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.01 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

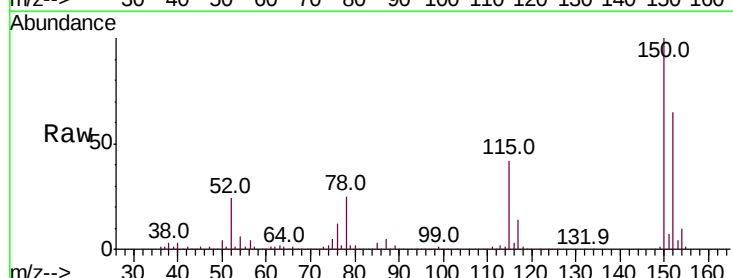
Tgt Ion: 79 Resp: 17303

Ion Ratio Lower Upper

79 100

108 31.9 60.6 90.8#

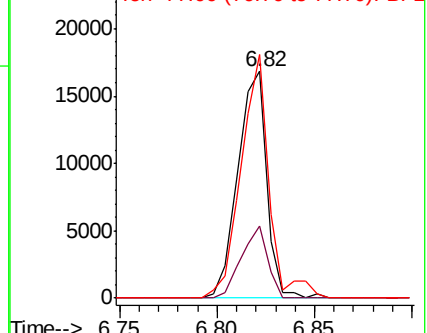
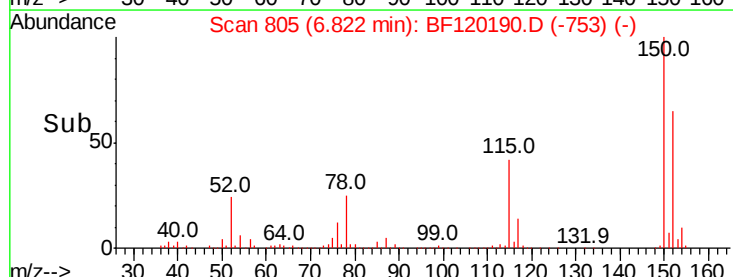
77 107.4 50.2 75.2#

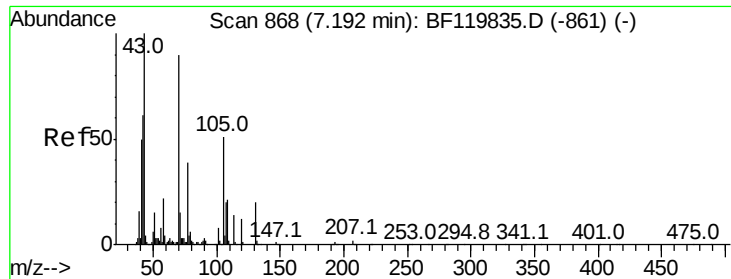


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

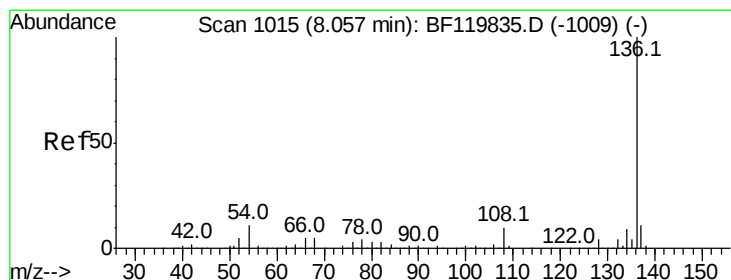
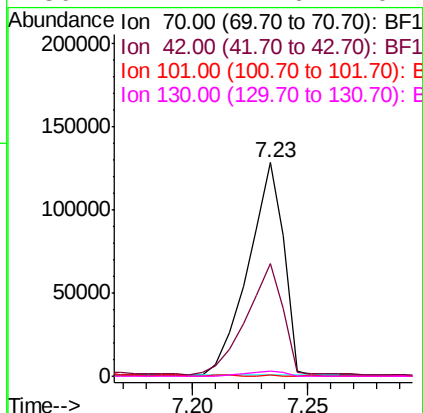
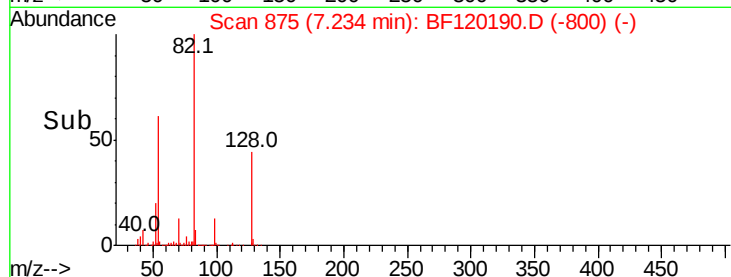
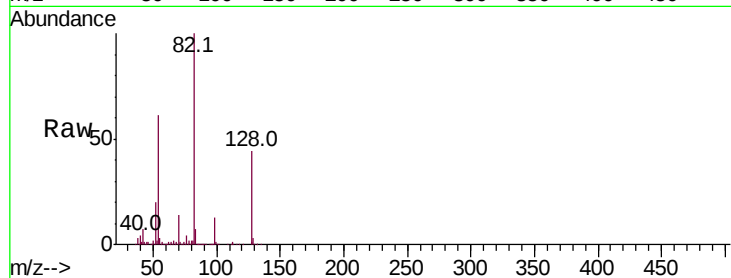




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.652 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.14 min  
Lab File: BF120190.D  
Acq: 24 Apr 2020 9:45

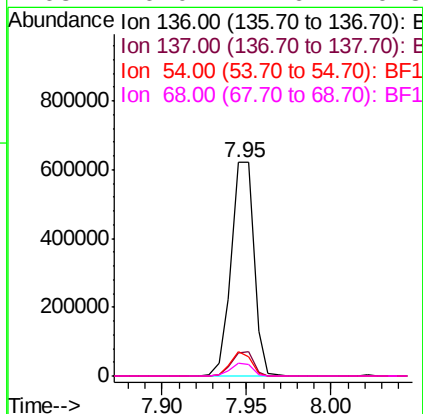
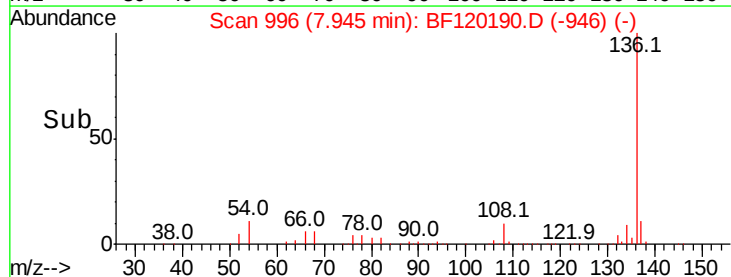
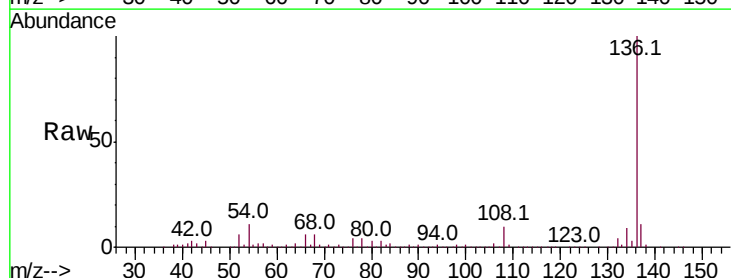
Instrument :  
BNA\_F  
ClientSampleId :  
WB-TWP-1

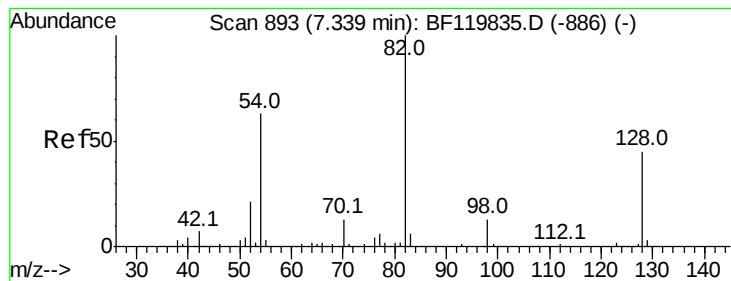
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 137757 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.7  | 54.5  | 81.7#  |
| 101      | 0.4   | 7.6   | 11.4#  |
| 130      | 2.2   | 17.6  | 26.4#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.95 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF120190.D  
Acq: 24 Apr 2020 9:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 583450 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 11.4  | 9.1   | 13.7   |
| 68       | 6.0   | 4.6   | 6.8    |





#23

Nitrobenzene-d5

Concen: 91.738 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-1

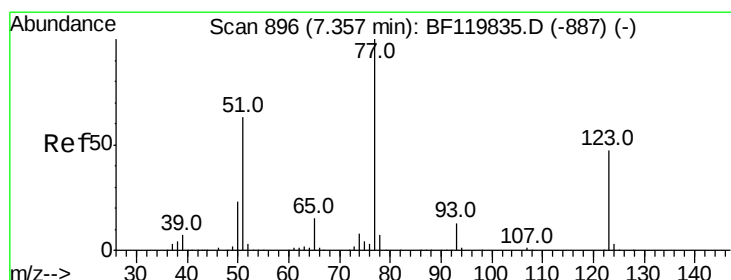
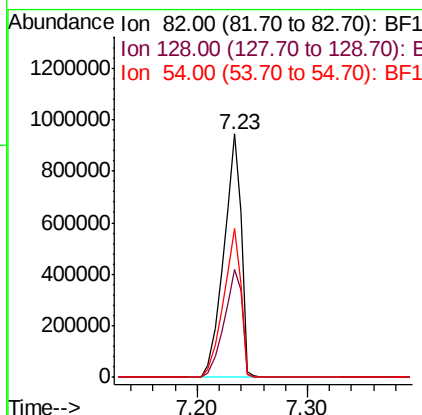
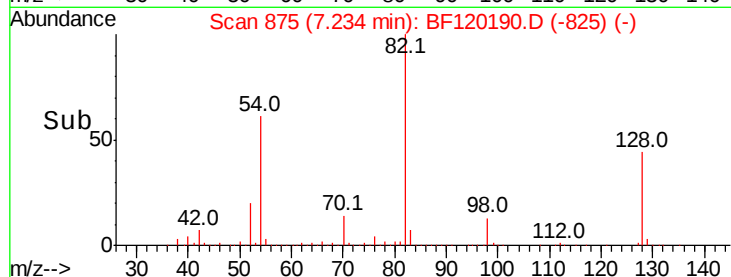
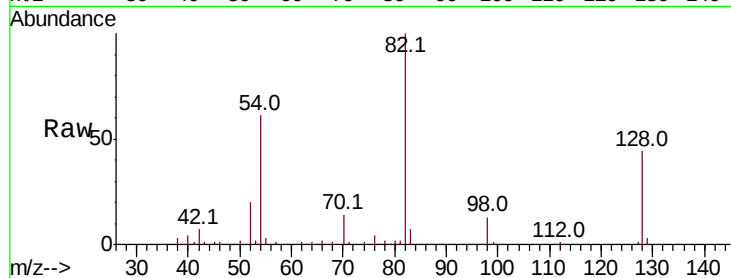
Tot Ion: 82 Resp: 1034613

Ion Ratio Lower Upper

82 100

128 44.3 36.3 54.5

54 61.3 50.6 75.8



#24

Nitrobenzene

Concen: 2.062 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.05 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

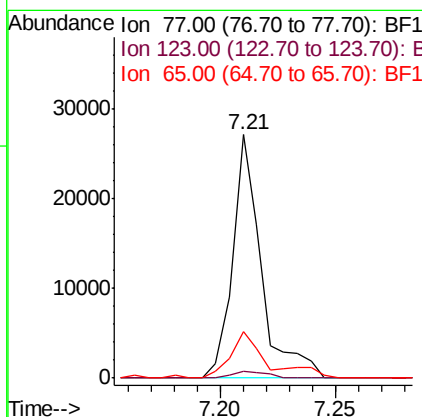
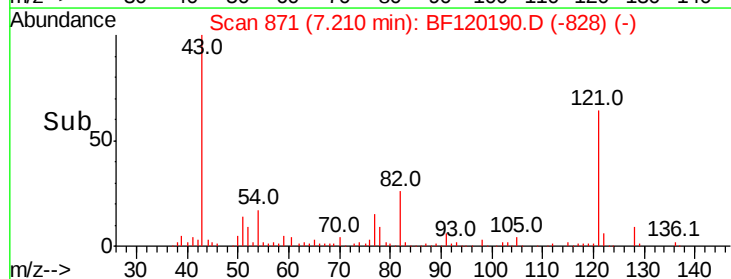
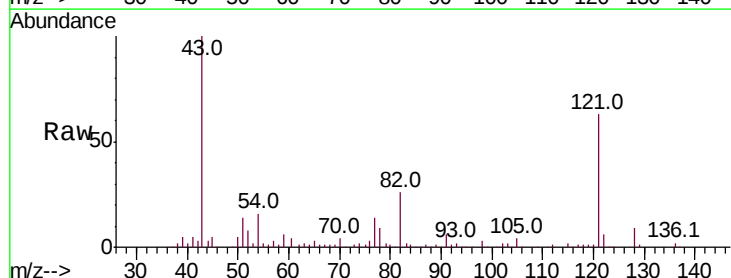
Tgt Ion: 77 Resp: 23393

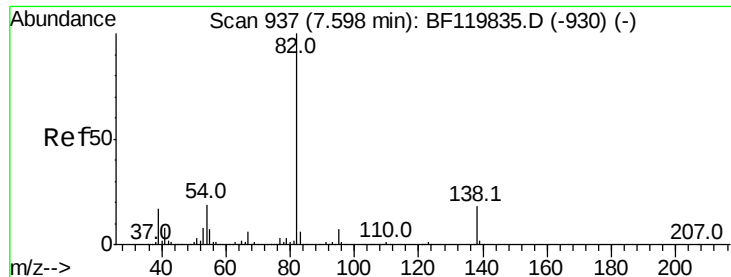
Ion Ratio Lower Upper

77 100

123 2.8 38.0 57.0#

65 19.0 12.6 18.8#





#25

Isophorone

Concen: 47.390 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

Instrument :

BNA\_F

ClientSampleId :

WB-TWP-1

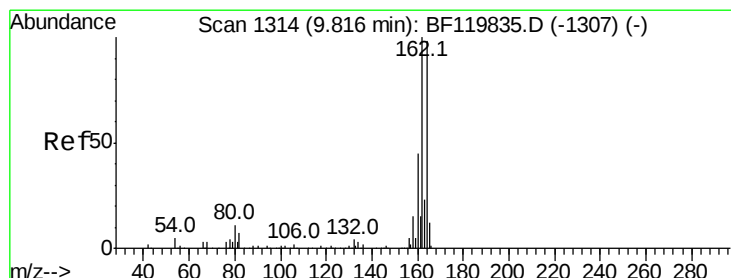
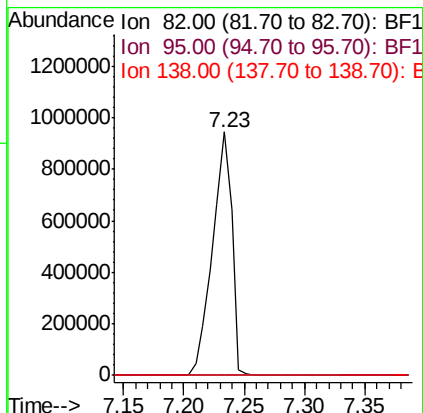
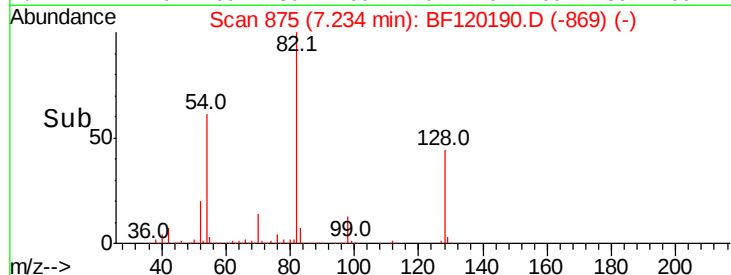
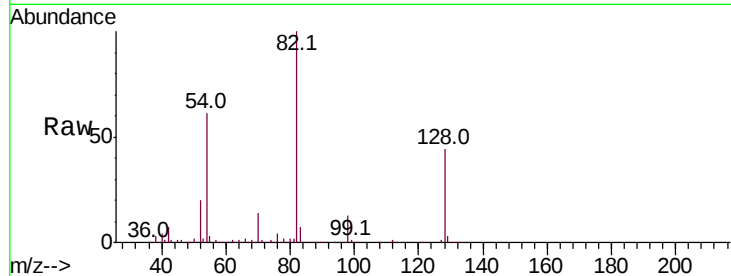
Tot Ion: 82 Resp: 1030297

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

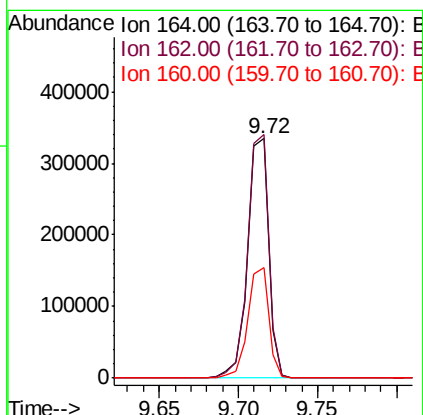
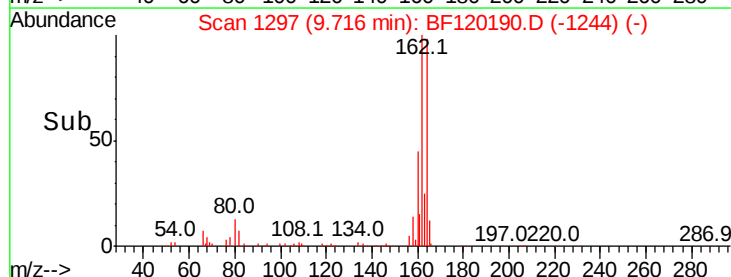
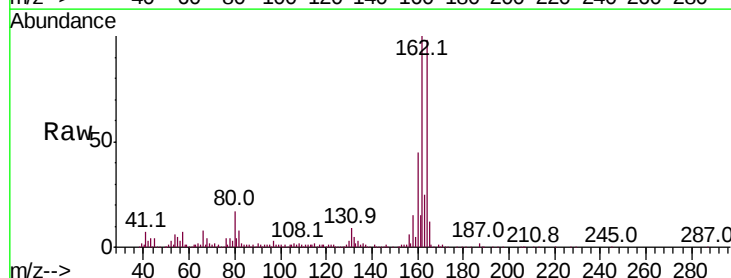
Tgt Ion:164 Resp: 307528

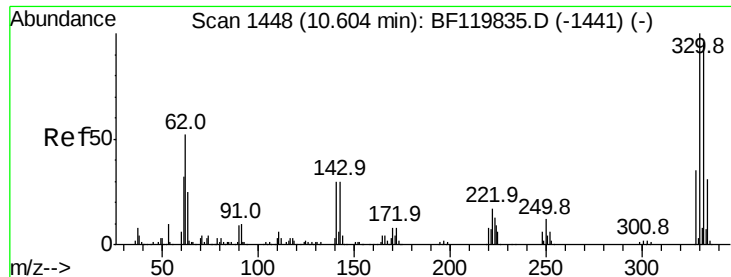
Ion Ratio Lower Upper

164 100

162 101.7 80.6 121.0

160 46.1 35.7 53.5

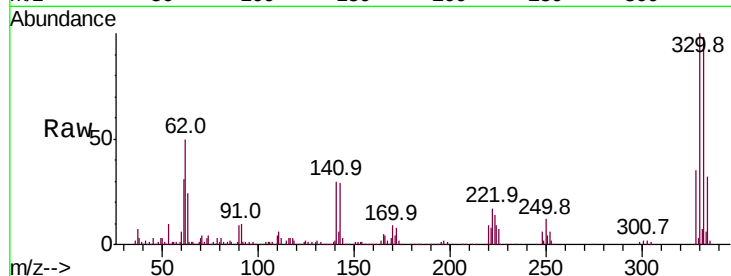




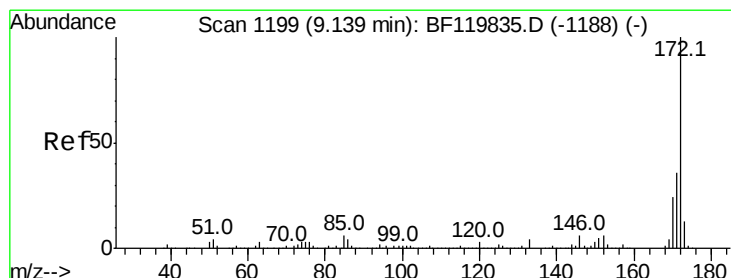
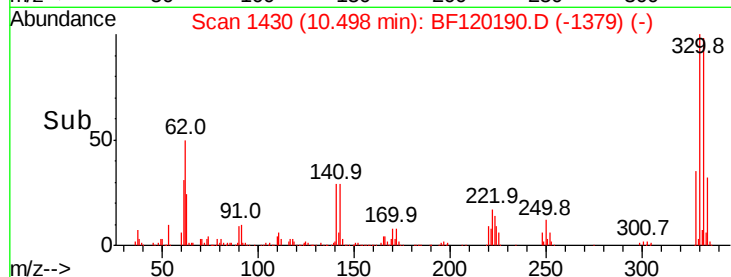
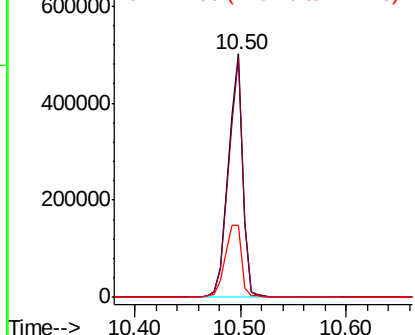
#42  
 2,4,6-Tribromophenol  
 Concen: 124.906 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. 0.00 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 75.7  | 113.5 |
| 141     | 33.7  | 25.4  | 38.0  |

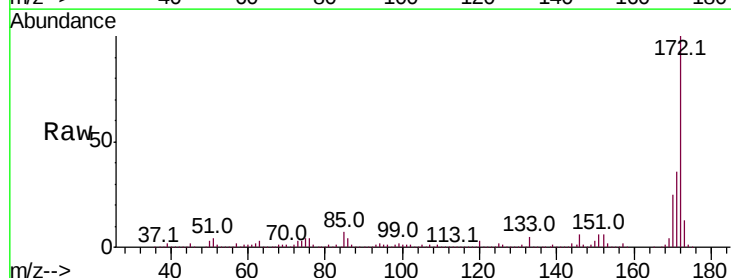


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

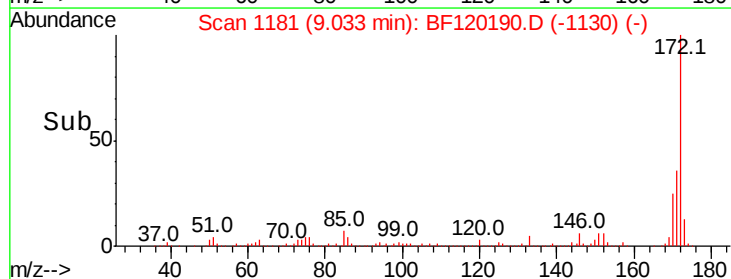
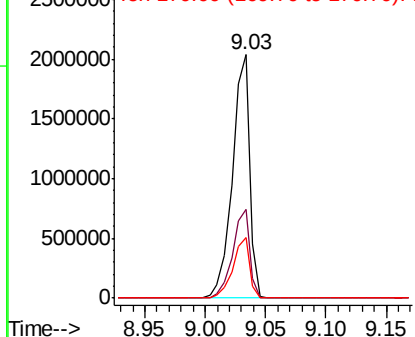


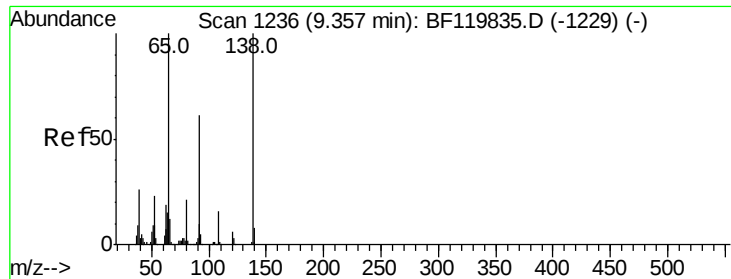
#45  
 2-Fluorobiphenyl  
 Concen: 93.708 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.6  | 44.4  |
| 170     | 24.8  | 20.2  | 30.2  |



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

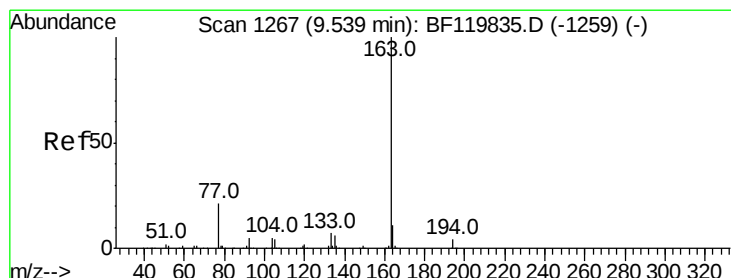
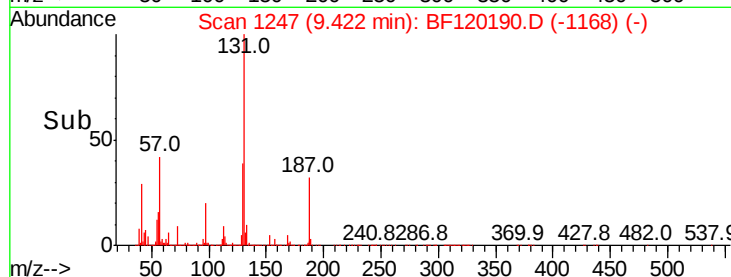
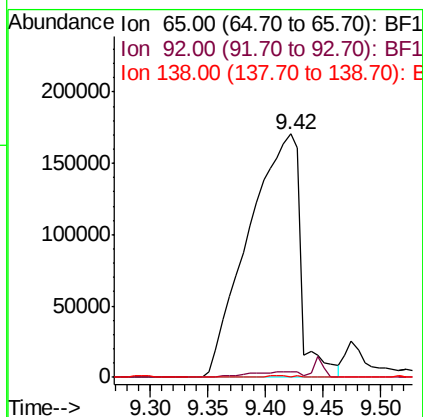
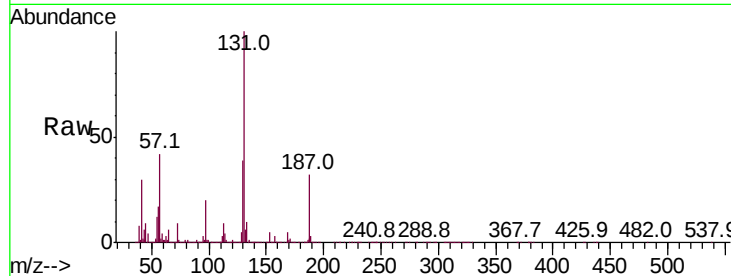




#48  
2-Nitroaniline  
Concen: 73.522 ng  
RT: 9.42 min Scan# 1247  
Delta R.T. 0.16 min  
Lab File: BF120190.D  
Acq: 24 Apr 2020 9:45

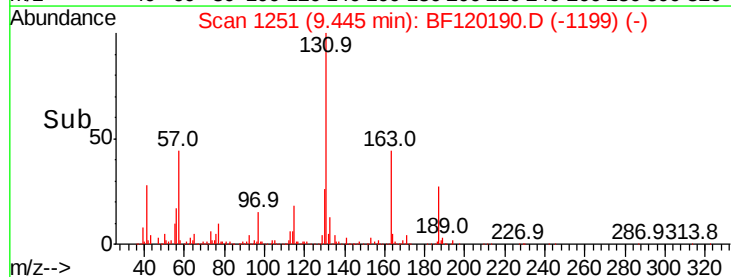
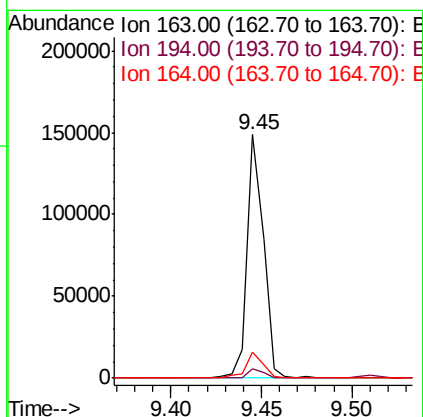
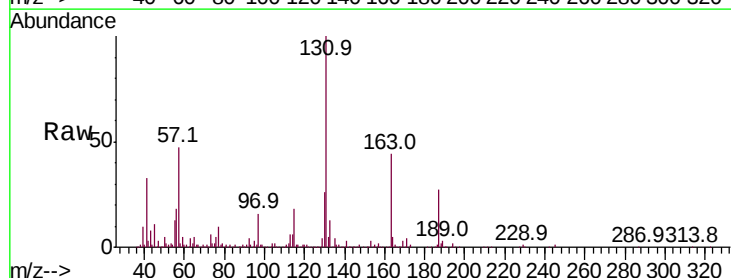
Instrument :  
BNA\_F  
ClientSampleId :  
WB-TWP-1

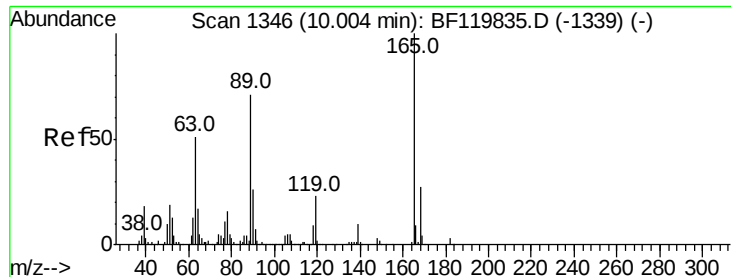
Tot Ion: 65 Resp: 532760  
Ion Ratio Lower Upper  
65 100  
92 2.3 50.0 75.0#  
138 0.4 75.0 112.4#



#50  
Dimethylphthalate  
Concen: 3.894 ng  
RT: 9.45 min Scan# 1251  
Delta R.T. 0.01 min  
Lab File: BF120190.D  
Acq: 24 Apr 2020 9:45

Tgt Ion:163 Resp: 92629  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.5 8.2 12.2

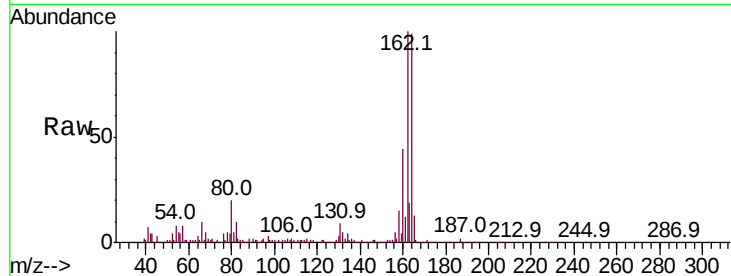




#57  
 2,4-Dinitrotoluene  
 Concen: 6.076 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.19 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 5.7   | 42.6  | 64.0# |
| 89      | 3.3   | 61.0  | 91.4# |
| 182     | 0.0   | 2.2   | 3.2#  |

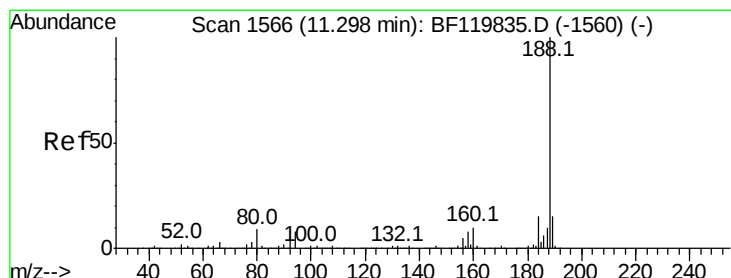
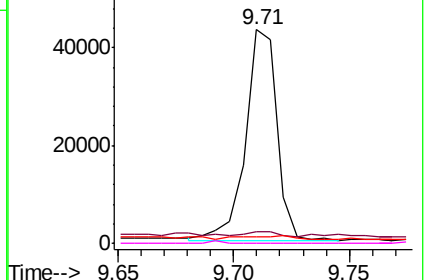
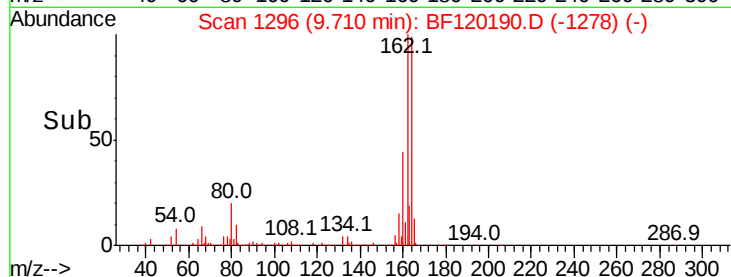


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

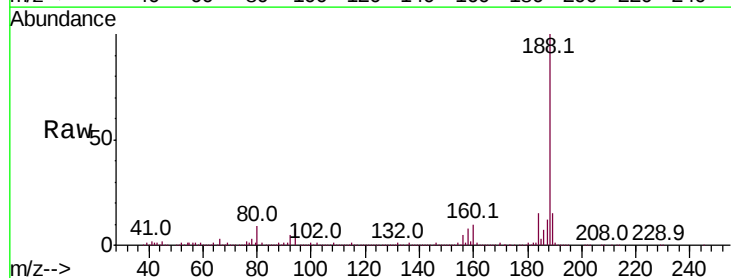
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1547  
 Delta R.T. 0.00 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

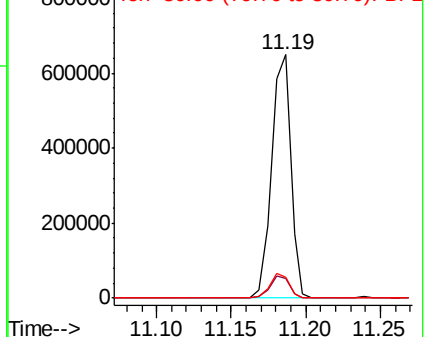
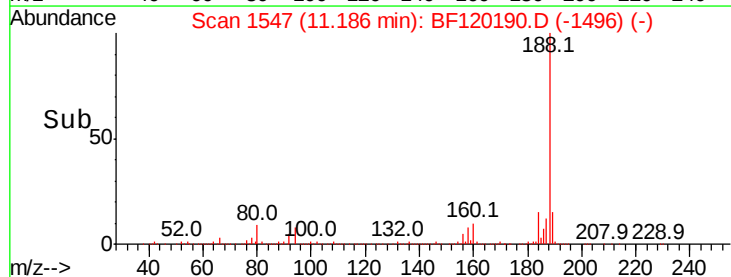
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 7.5   | 11.3  |
| 80      | 8.8   | 9.0   | 13.4# |

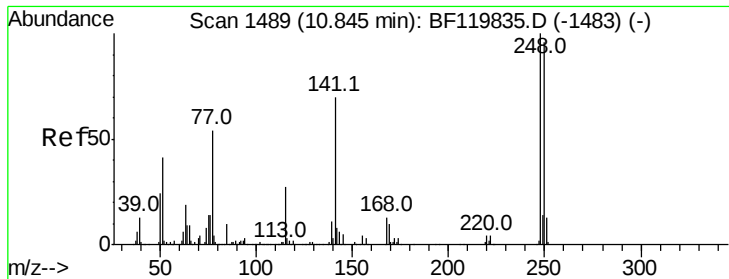


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

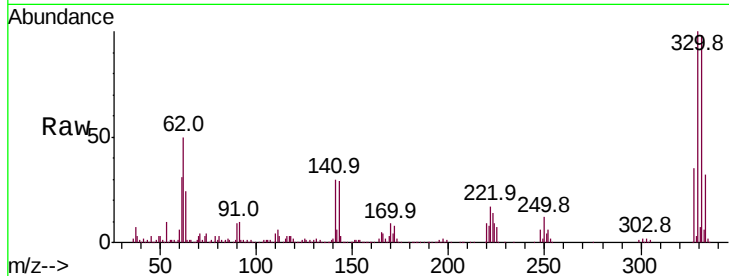




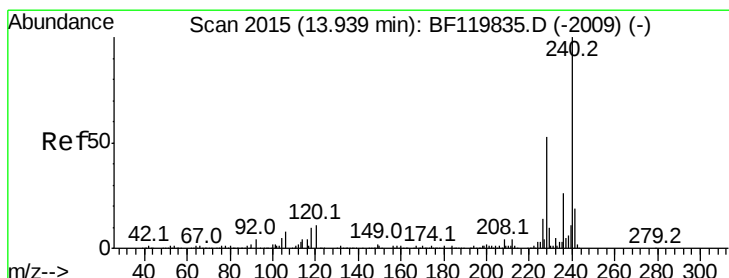
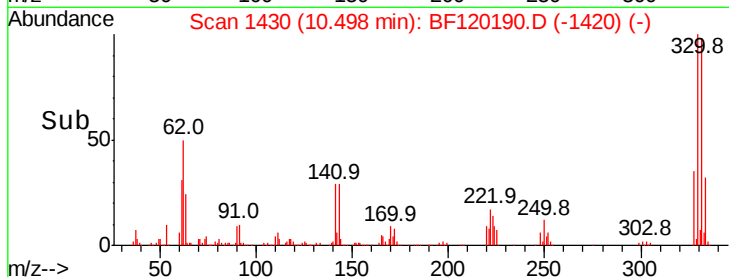
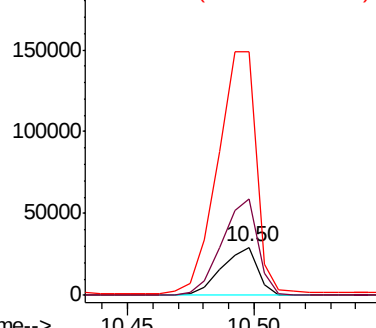
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.038 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.24 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-TWP-1

Tot Ion:248 Resp: 29132  
 Ion Ratio Lower Upper  
 248 100  
 250 200.1 77.3 115.9#  
 141 504.4 58.6 87.8#

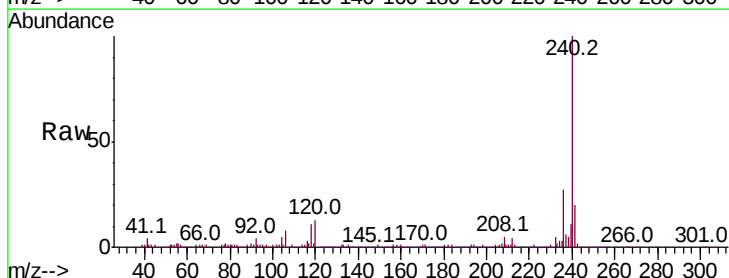


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

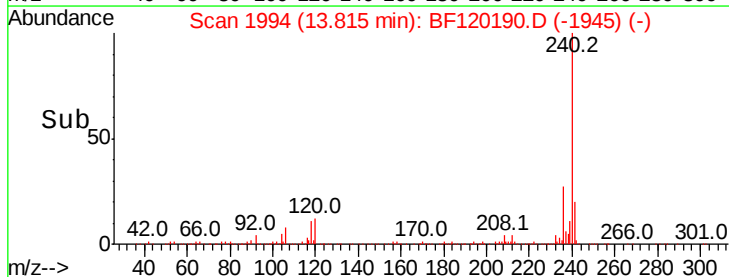
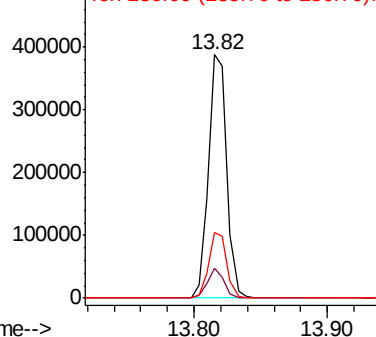


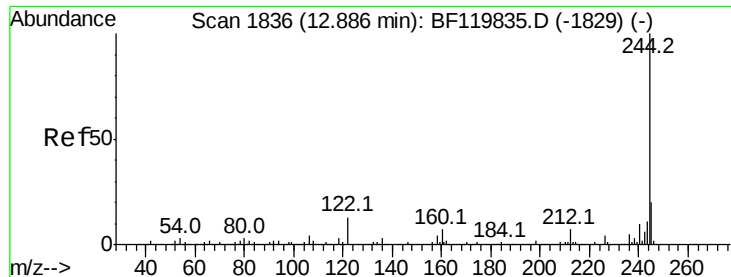
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.01 min  
 Lab File: BF120190.D  
 Acq: 24 Apr 2020 9:45

Tgt Ion:240 Resp: 373256  
 Ion Ratio Lower Upper  
 240 100  
 120 12.5 10.6 15.8  
 236 27.1 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





#79

Terphenyl-d14

Concen: 100.982 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

Instrument :

BNA\_F

ClientSampled :

WB-TWP-1

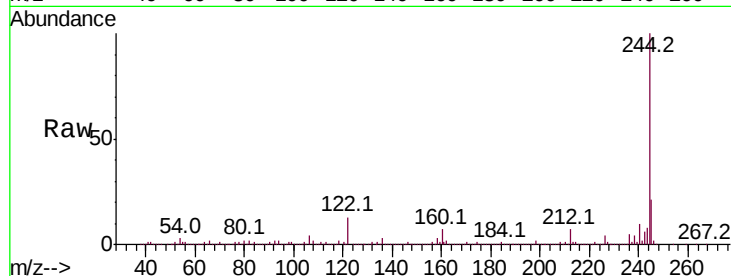
Tot Ion:244 Resp: 2240043

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

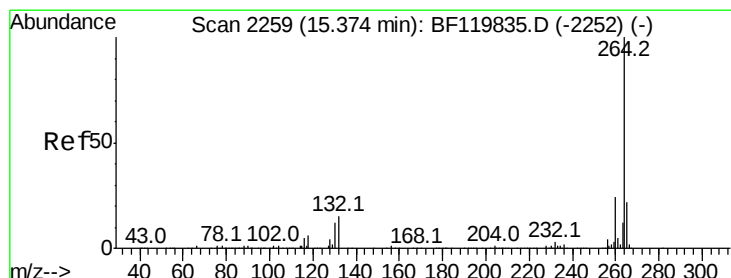
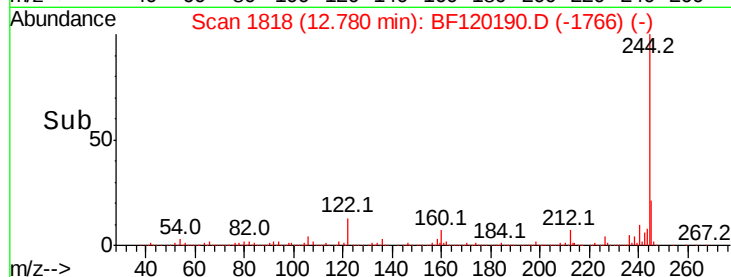
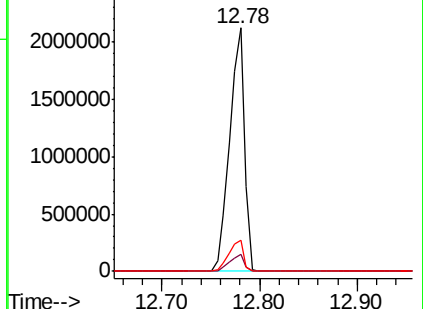
122 12.7 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF120190.D

Acq: 24 Apr 2020 9:45

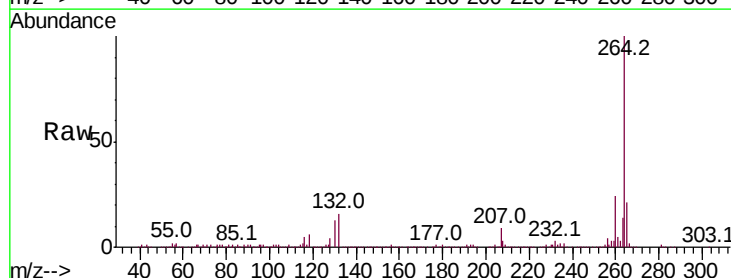
Tgt Ion:264 Resp: 302364

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.3 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

