

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\  
 Data File : BN011452.D  
 Acq On : 17 Aug 2020 15:56  
 Operator : CG/JU  
 Sample : L3611-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

Quant Time: Aug 17 18:11:54 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 14 15:37:33 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 150124   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.17 | 136  | 535488   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.06 | 164  | 322563   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.82 | 188  | 753975   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.05 | 240  | 664493   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.16 | 264  | 681173   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.11  | 96  | 12412   | 3.97  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.63  | 99  | 243584  | 22.94 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 127318  | 23.53 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 238583  | 25.08 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.14  | 113 | 202011  | 23.44 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.56  | 128 | 100061  | 24.11 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 9.28  | 143 | 108983  | 23.35 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 211723  | 24.01 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 10.32 | 131 | 192652  | 18.27 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.49 | 166 | 768348  | 30.59 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.75 | 160 | 829985  | 27.46 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.29 | 143 | 96857   | 22.76 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.07 | 176 | 625438  | 28.45 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200 | 91400   | 18.28 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.92 | 188 | 1117339 | 31.02 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.23 | 212 | 1246798 | 36.52 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.03 | 264 | 1194528 | 31.58 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.13  | 88  | 69403  | 17.217 | ng/uL 100 |
| 4) Benzaldehyde                | 6.59  | 77  | 234056 | 33.800 | ng/ul 95  |
| 6) Phenol                      | 6.65  | 94  | 324037 | 29.939 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.00  | 128 | 209218 | 21.309 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.23  | 70  | 160720 | 26.617 | ng/ul 99  |
| 20) Nitrobenzene               | 8.60  | 77  | 181094 | 17.854 | ng/ul 93  |
| 23) 2-Nitrophenol              | 9.30  | 139 | 103337 | 19.852 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.83  | 162 | 192031 | 21.437 | ng/ul 96  |
| 28) Naphthalene                | 10.22 | 128 | 431340 | 14.434 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.51 | 225 | 155258 | 21.281 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.47 | 107 | 314467 | 36.971 | ng/ul 96  |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.22 | 216 | 202859 | 17.967 | ng/ul 98  |
| 39) 2,4,6-Trichlorophenol      | 12.47 | 196 | 222232 | 33.632 | ng/ul 98  |
| 41) 1,1'-Biphenyl              | 12.89 | 154 | 613027 | 23.680 | ng/ul 99  |
| 42) 2-Chloronaphthalene        | 12.92 | 162 | 299386 | 14.292 | ng/ul 97  |
| 45) Dimethylphthalate          | 13.54 | 163 | 660507 | 25.620 | ng/ul 98  |
| 46) 2,6-Dinitrotoluene         | 13.65 | 165 | 124665 | 24.697 | ng/ul 95  |
| 50) Acenaphthene               | 14.13 | 153 | 425900 | 19.434 | ng/ul 99  |
| 53) 4-Nitrophenol              | 14.31 | 109 | 92598  | 22.830 | ng/ul 94  |
| 54) Dibenzofuran               | 14.47 | 168 | 514136 | 16.176 | ng/ul 97  |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.70 | 232 | 142882 | 23.851 | ng/ul 99  |
| 60) 4-Chlorophenyl-phenylether | 15.13 | 204 | 204752 | 15.319 | ng/ul 98  |
| 64) 4,6-Dinitro-2-methylphenol | 15.22 | 198 | 180640 | 33.335 | ng/ul 92  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 14 15:37:33 2020  
 Response via : Initial Calibration

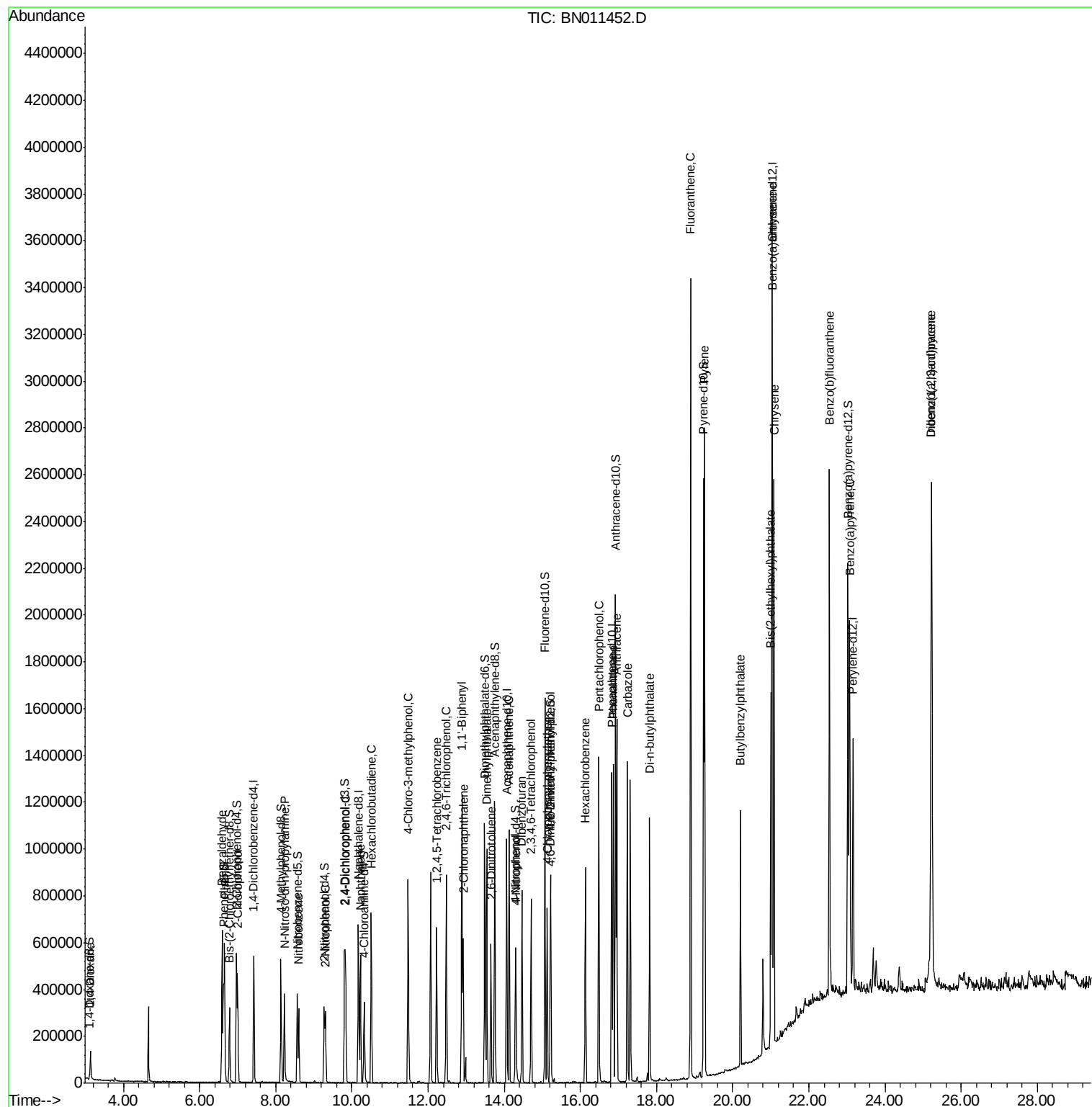
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 67) Hexachlorobenzene          | 16.13 | 284  | 166855   | 17.479 | ng/ul  | 96       |
| 69) Pentachlorophenol          | 16.48 | 266  | 202894   | 37.079 | ng/ul  | 84       |
| 70) Phenanthrene               | 16.86 | 178  | 786784   | 17.593 | ng/ul  | 98       |
| 72) Anthracene                 | 16.96 | 178  | 931941   | 20.575 | ng/ul  | 99       |
| 75) Carbazole                  | 17.23 | 167  | 824296   | 21.640 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.82 | 149  | 769526   | 17.770 | ng/ul  | 99       |
| 77) Fluoranthene               | 18.90 | 202  | 2013761  | 36.799 | ng/ul  | 99       |
| 80) Pyrene                     | 19.26 | 202  | 1509331  | 32.278 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.20 | 149  | 309371   | 19.611 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.03 | 228  | 1659914  | 37.548 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 566955   | 23.833 | ng/ul# | 99       |
| 85) Chrysene                   | 21.09 | 228  | 1148349  | 26.151 | ng/ul  | 98       |
| 88) Benzo(b)fluoranthene       | 22.54 | 252  | 1313651  | 27.585 | ng/ul  | 98       |
| 91) Benzo(a)pyrene             | 23.07 | 252  | 1069239  | 24.369 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 1515159  | 26.942 | ng/ul  | 96       |
| 93) Dibenzo(a,h)anthracene     | 25.23 | 278  | 988121   | 20.987 | ng/ul  | 100      |
| -----                          |       |      |          |        |        |          |

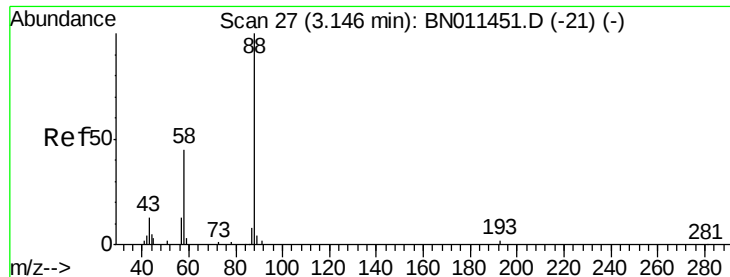
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 17.217 ng/uL

RT: 3.13 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

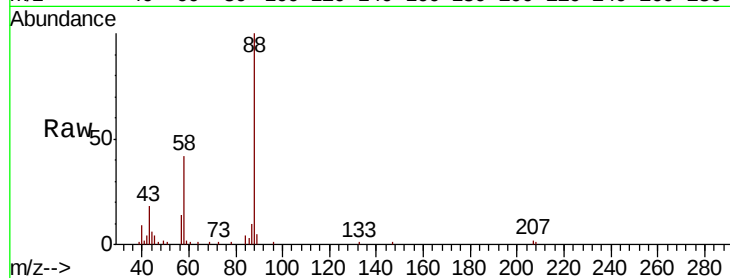
Tot Ion: 88 Resp: 69403

Ion Ratio Lower Upper

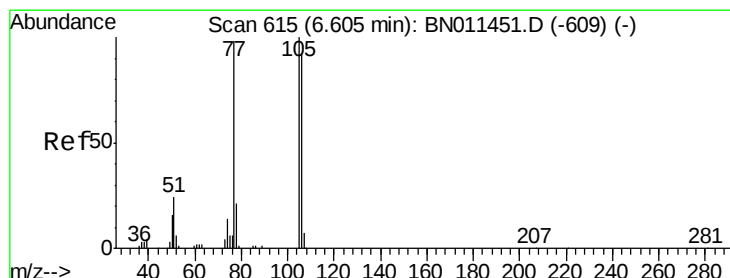
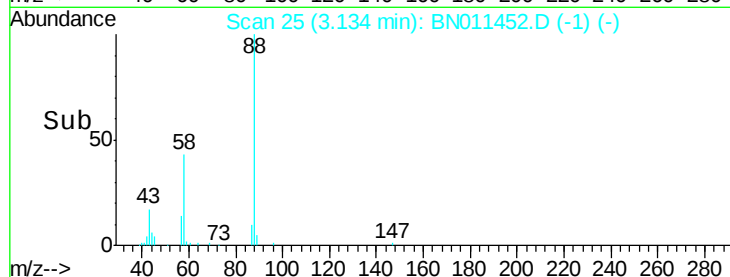
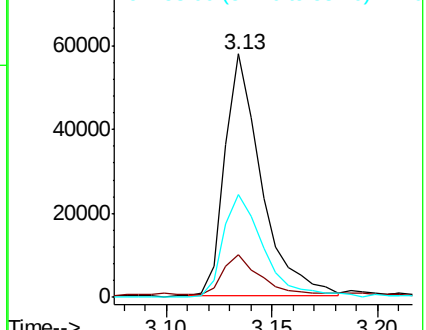
88 100

43 17.8 14.6 21.8

58 42.4 33.8 50.8



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 33.800 ng/uL

RT: 6.59 min Scan# 613

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

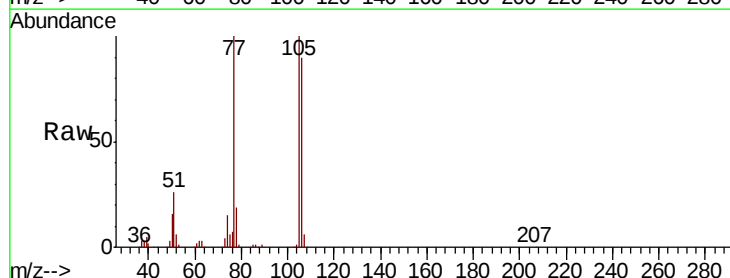
Tgt Ion: 77 Resp: 234056

Ion Ratio Lower Upper

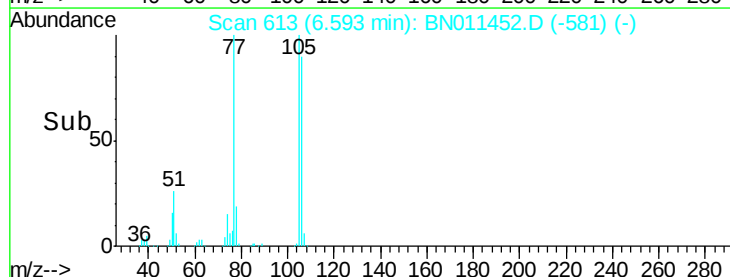
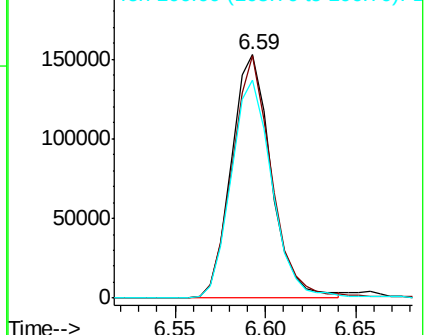
77 100

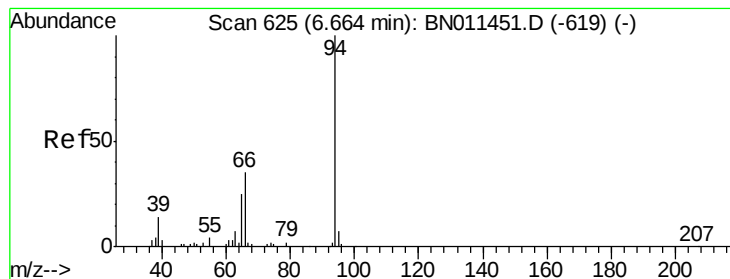
105 99.6 77.8 116.6

106 89.7 77.5 116.3



Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 105.00 (104.70 to 105.70): BN0  
Ion 106.00 (105.70 to 106.70): BN0





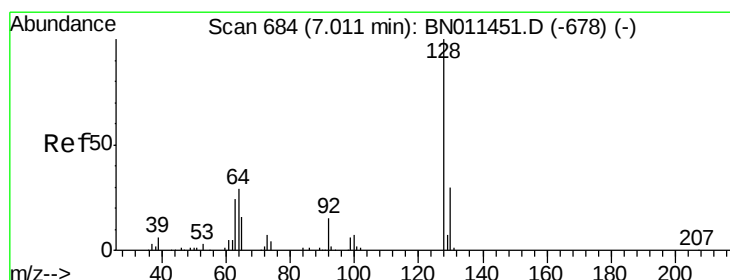
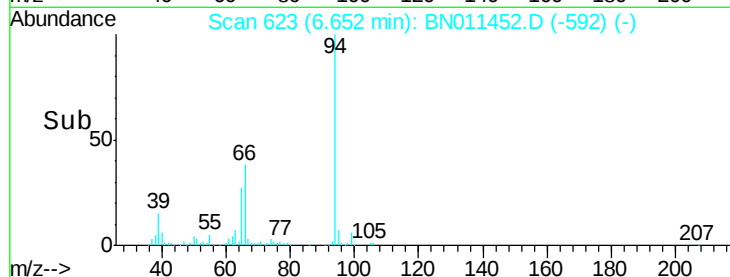
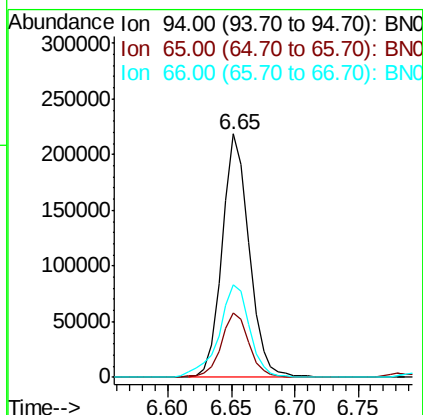
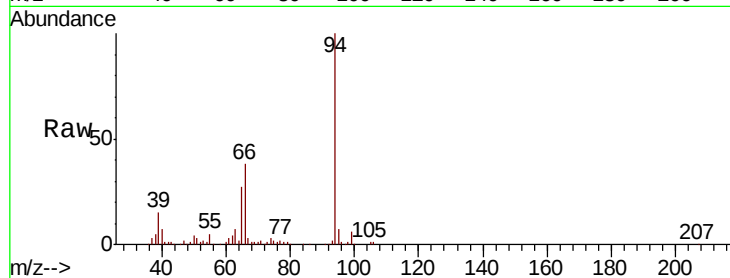
#6

Phenol

Concen: 29.939 ng/ul  
 RT: 6.65 min Scan# 623  
 Delta R.T. -0.02 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

Instrument :  
 BNA\_N  
 ClientSampleID :  
 DBFK6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 26.7  | 22.1  | 33.1  |
| 66      | 37.8  | 32.1  | 48.1  |

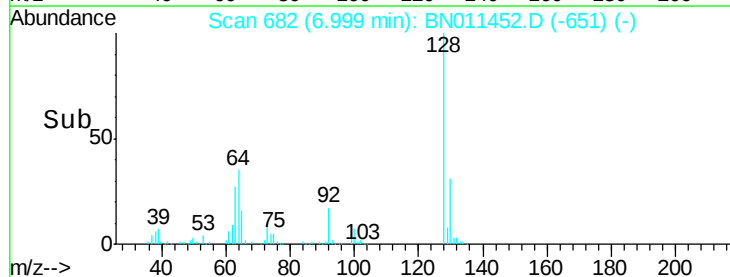
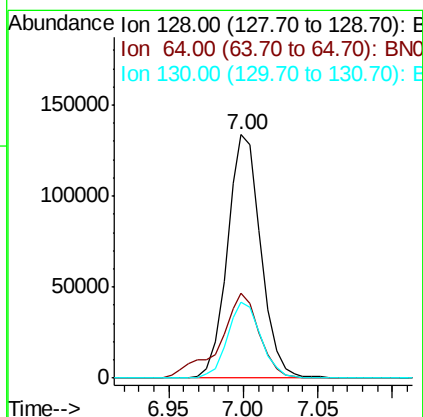
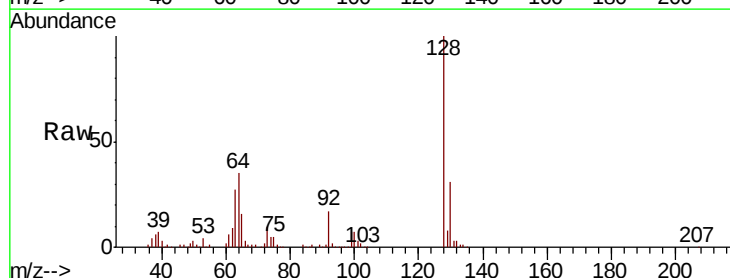


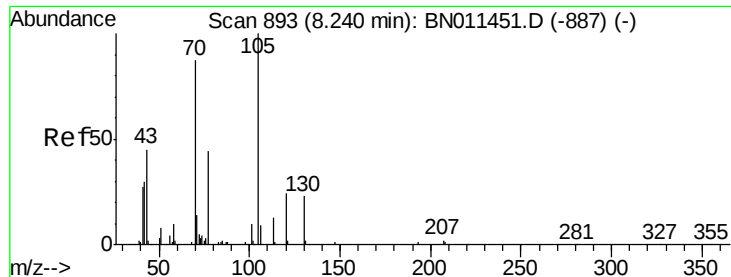
#10

2-Chlorophenol

Concen: 21.309 ng/ul  
 RT: 7.00 min Scan# 682  
 Delta R.T. -0.02 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 34.9  | 25.4  | 38.0  |
| 130     | 31.1  | 26.3  | 39.5  |

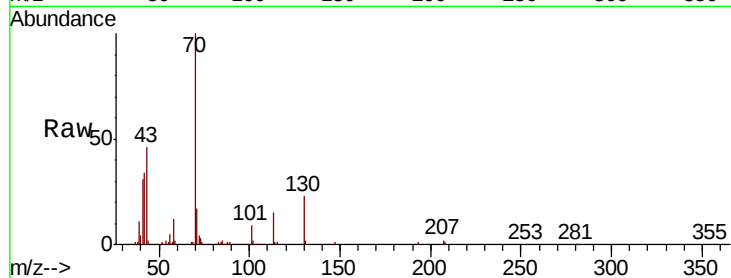




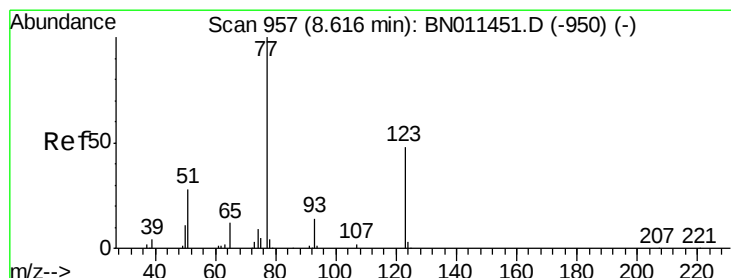
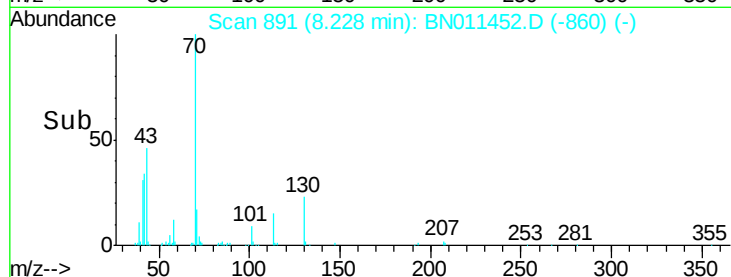
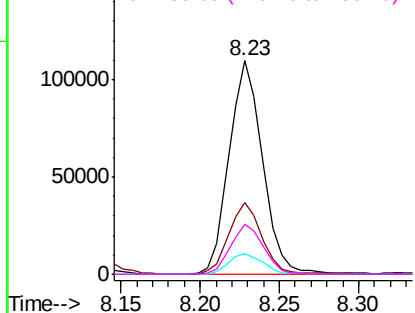
#15  
N-Nitroso-di-n-propylamine  
Concen: 26.617 ng/ul  
RT: 8.23 min Scan# 891  
Delta R.T. -0.02 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

Instrument :  
BNA\_N  
ClientSampleId :  
DBFK6

Tot Ion: 70 Resp: 160720  
Ion Ratio Lower Upper  
70 100  
42 33.8 27.2 40.8  
101 9.5 8.3 12.5  
130 23.4 19.4 29.0

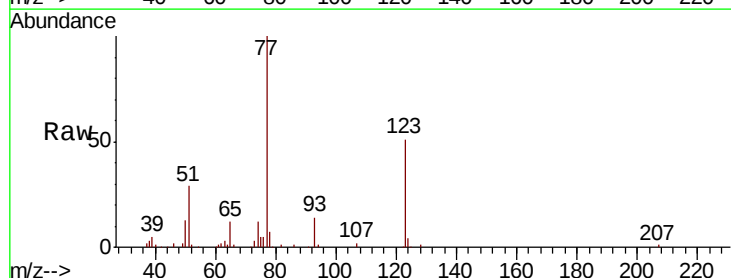


Abundance Ion 70.00 (69.70 to 70.70): BN0  
Ion 42.00 (41.70 to 42.70): BN0  
Ion 101.00 (100.70 to 101.70): B  
Ion 130.00 (129.70 to 130.70): B

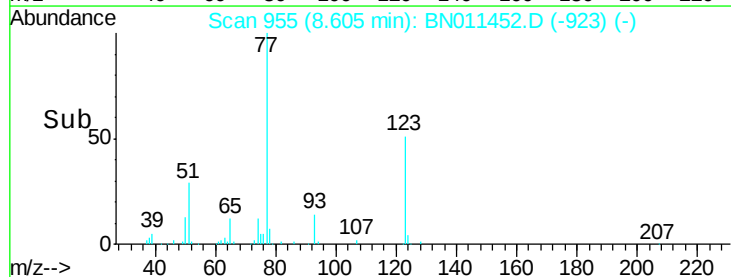
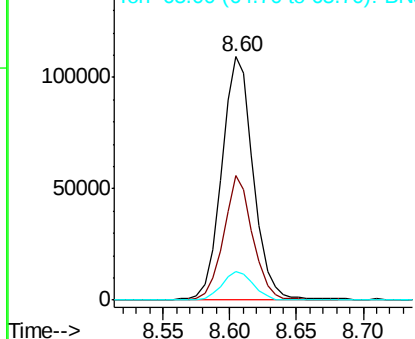


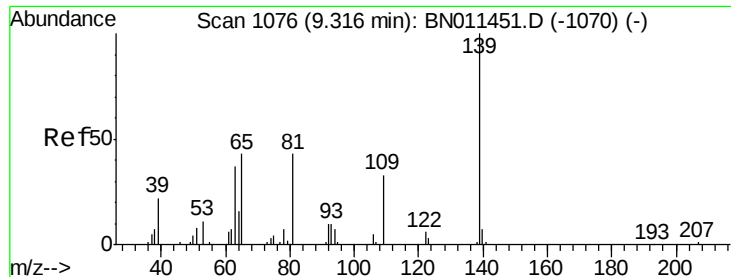
#20  
Nitrobenzene  
Concen: 17.854 ng/ul  
RT: 8.60 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

Tgt Ion: 77 Resp: 181094  
Ion Ratio Lower Upper  
77 100  
123 51.3 36.3 54.5  
65 12.0 9.8 14.8



Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 123.00 (122.70 to 123.70): B  
Ion 65.00 (64.70 to 65.70): BN0





#23

2-Nitrophenol

Concen: 19.852 ng/ul

RT: 9.30 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

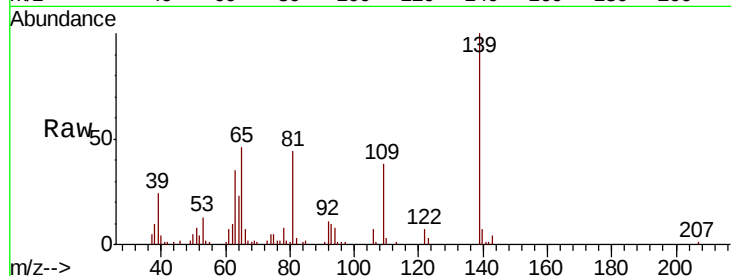
Tot Ion:139 Resp: 103337

Ion Ratio Lower Upper

139 100

65 46.4 35.6 53.4

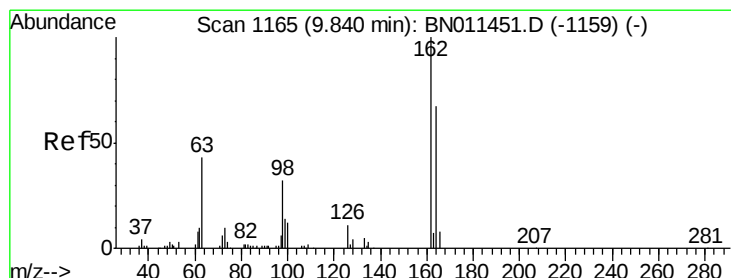
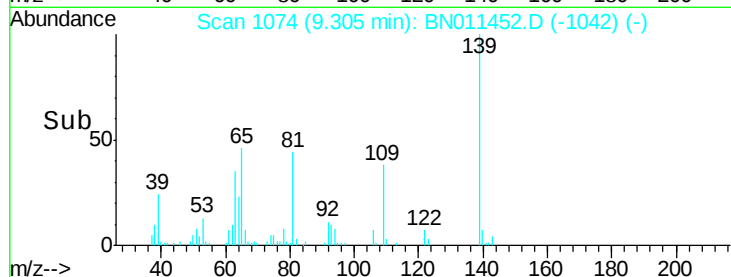
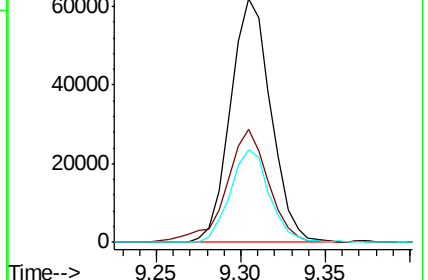
109 37.8 31.0 46.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

Ion 109.00 (108.70 to 109.70): E



#27

2,4-Dichlorophenol

Concen: 21.437 ng/ul

RT: 9.83 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

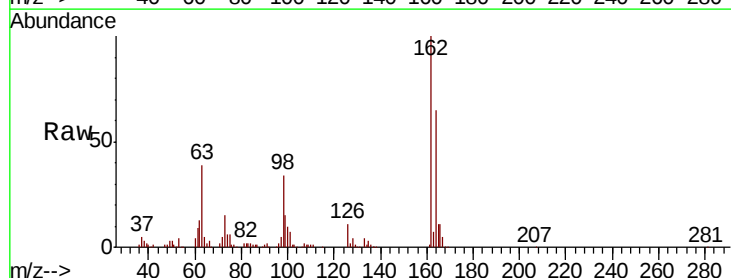
Tgt Ion:162 Resp: 192031

Ion Ratio Lower Upper

162 100

164 64.9 54.6 82.0

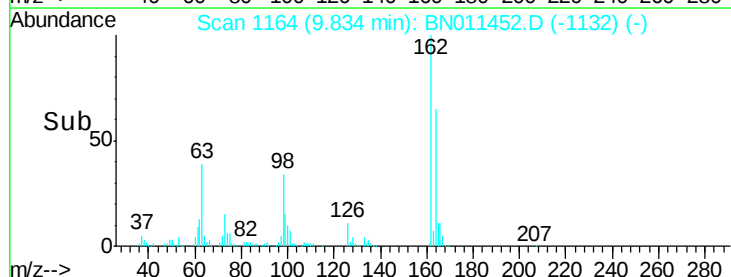
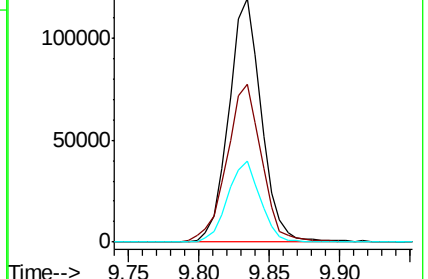
98 33.5 24.6 37.0

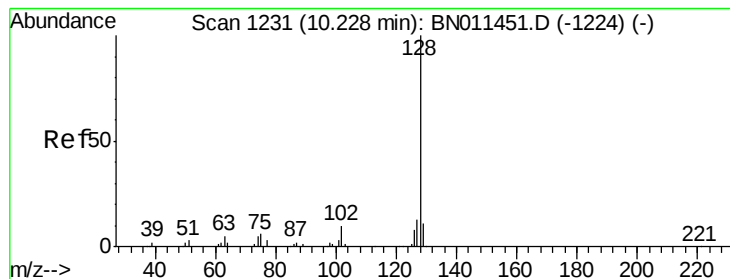


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNO





#28

Naphthalene

Concen: 14.434 ng/ul

RT: 10.22 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BN011452.D

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BNA\_N

ClientSampleId :

DBFK6

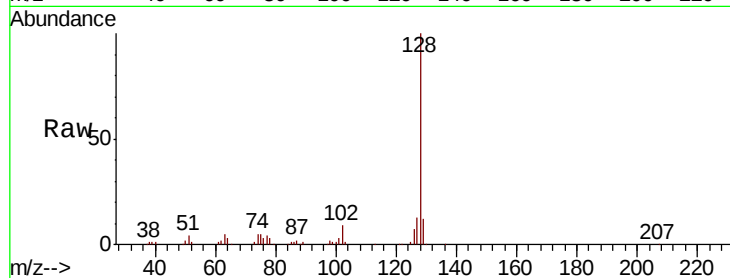
Tot Ion:128 Resp: 431340

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

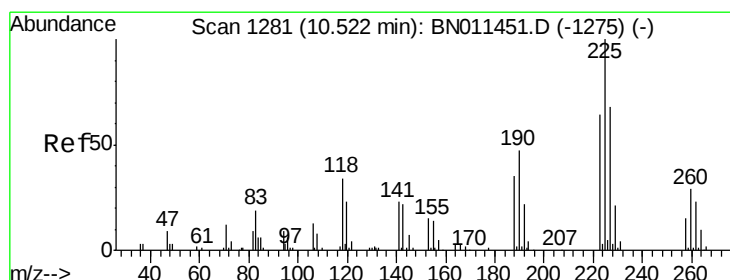
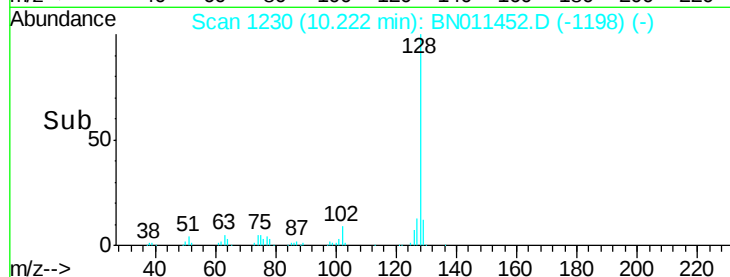
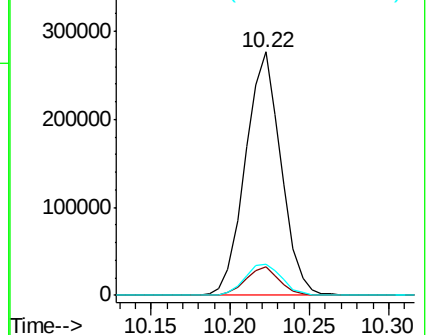
127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#31

Hexachlorobutadiene

Concen: 21.281 ng/ul

RT: 10.51 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

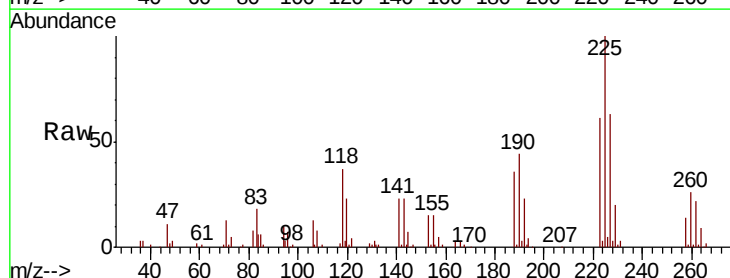
Tgt Ion:225 Resp: 155258

Ion Ratio Lower Upper

225 100

223 61.0 48.1 72.1

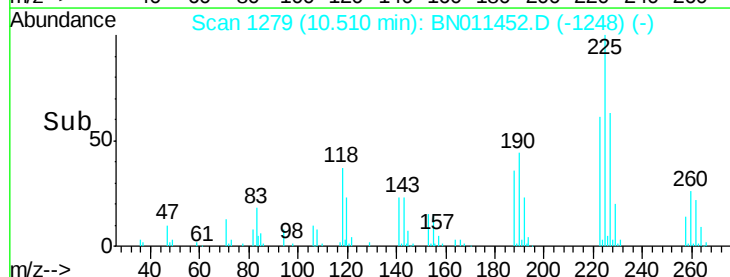
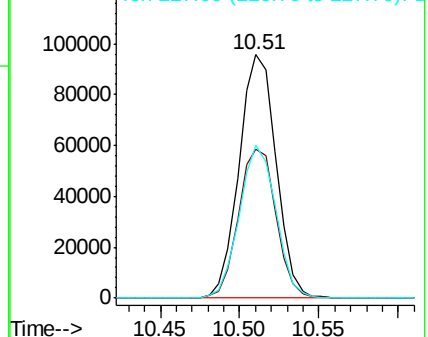
227 62.6 48.6 73.0

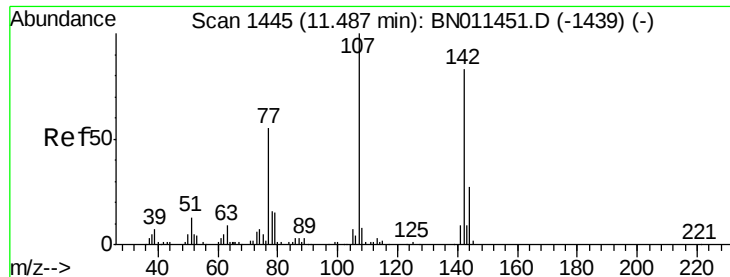


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

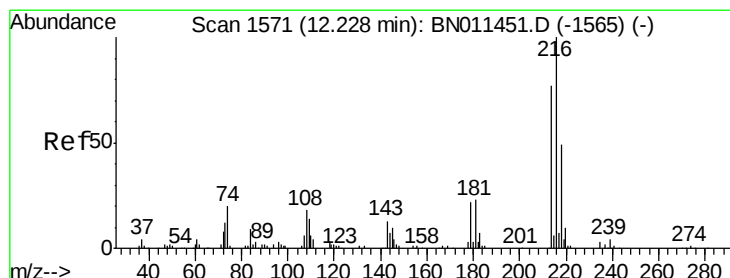
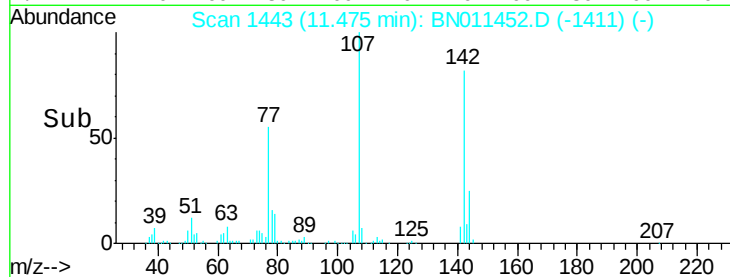
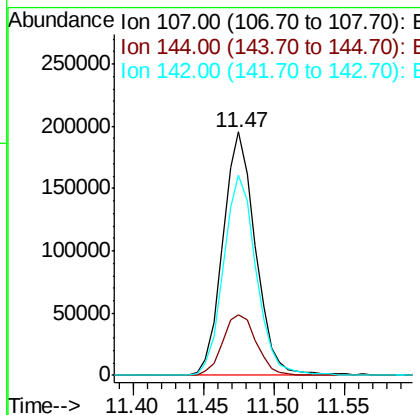
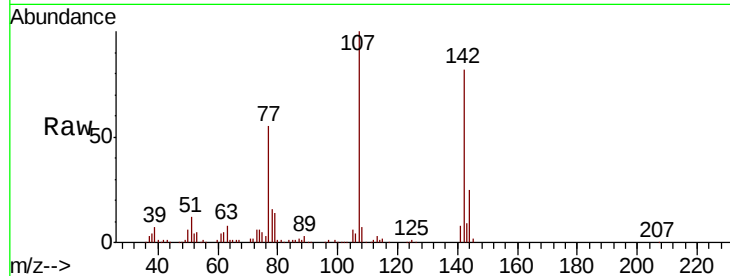




#33  
 4-Chloro-3-methylphenol  
 Concen: 36.971 ng/ul  
 RT: 11.47 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

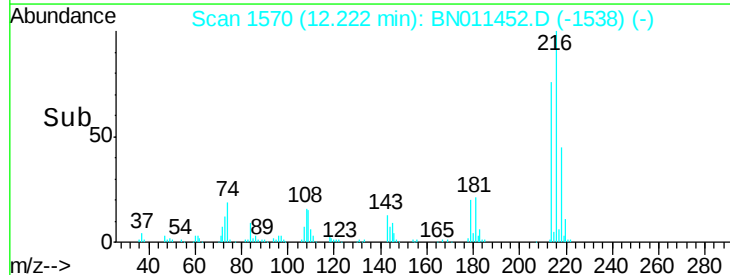
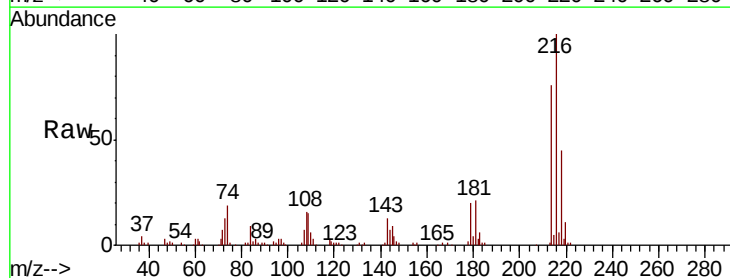
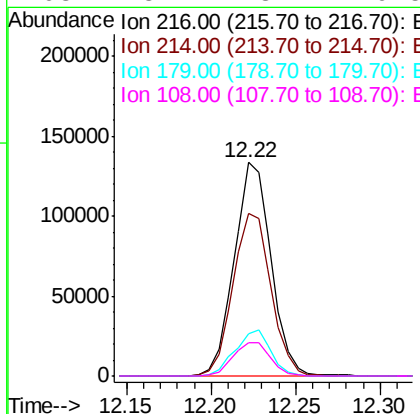
Instrument :  
 BNA\_N  
 ClientSampled :  
 DBFK6

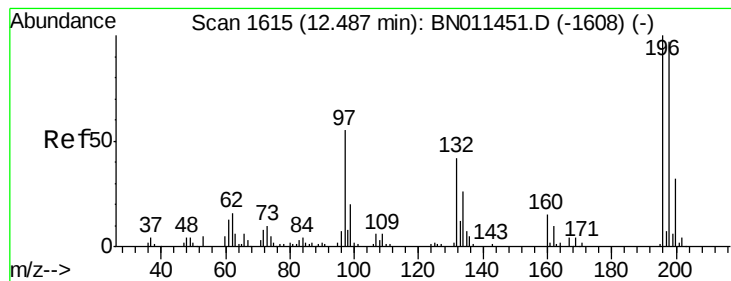
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.9  | 22.2  | 33.4  |
| 142     | 82.3  | 63.4  | 95.2  |



#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 17.967 ng/ul  
 RT: 12.22 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 75.9  | 59.8  | 89.8  |
| 179     | 19.6  | 17.4  | 26.2  |
| 108     | 15.7  | 13.7  | 20.5  |





#39

2,4,6-Trichlorophenol

Concen: 33.632 ng/ul

RT: 12.47 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

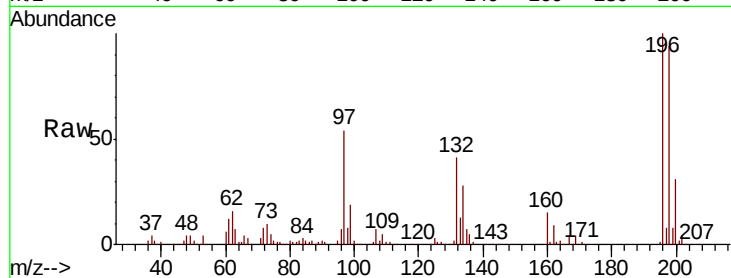
Tot Ion:196 Resp: 222232

Ion Ratio Lower Upper

196 100

198 93.6 76.9 115.3

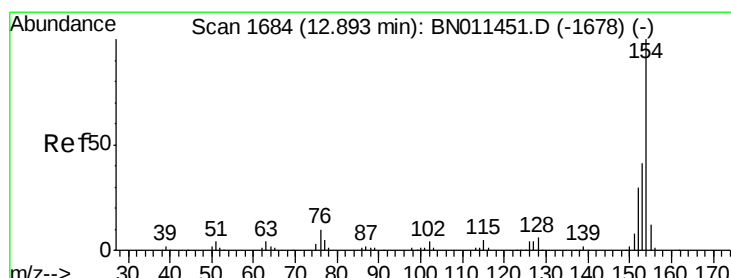
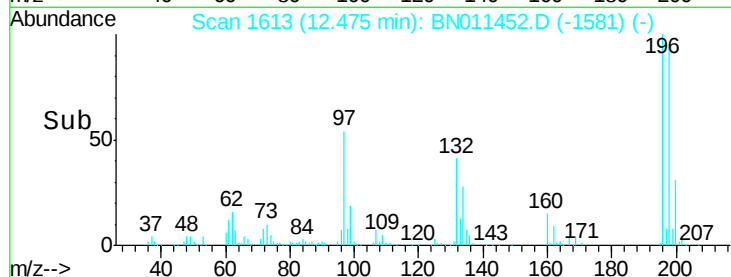
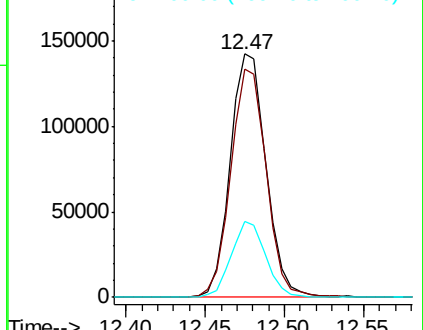
200 30.9 24.2 36.2



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#41

1,1'-Biphenyl

Concen: 23.680 ng/ul

RT: 12.89 min Scan# 1683

Delta R.T. -0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

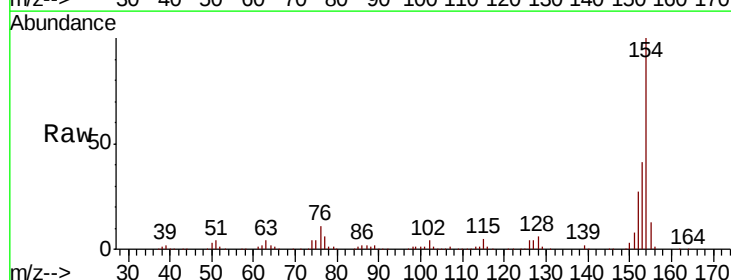
Tgt Ion:154 Resp: 613027

Ion Ratio Lower Upper

154 100

153 40.8 32.3 48.5

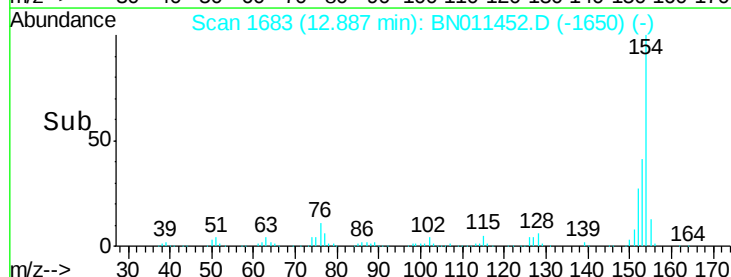
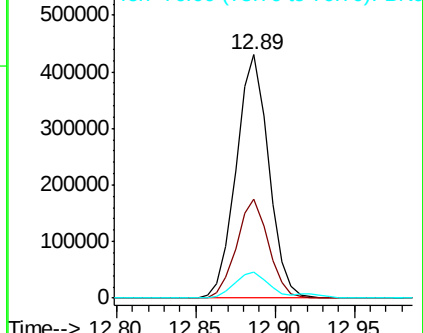
76 10.5 8.5 12.7

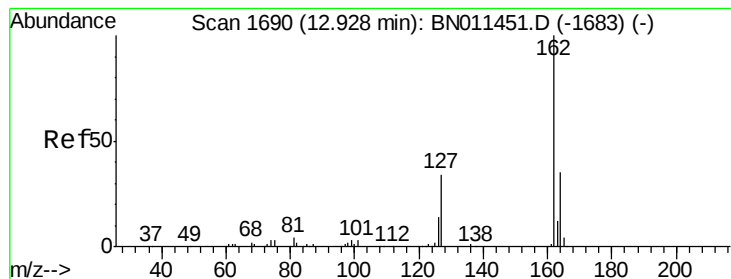


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

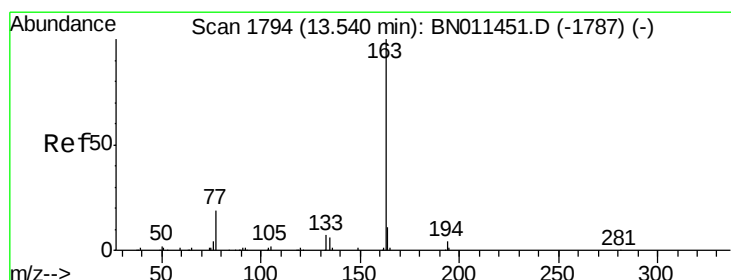
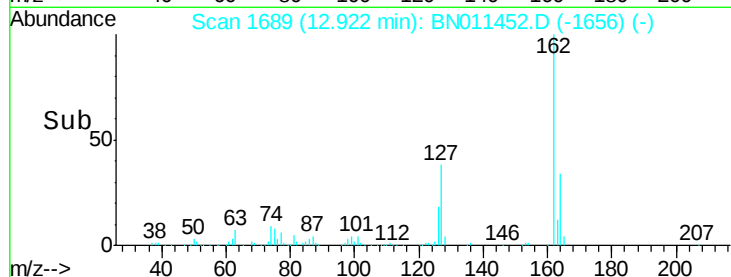
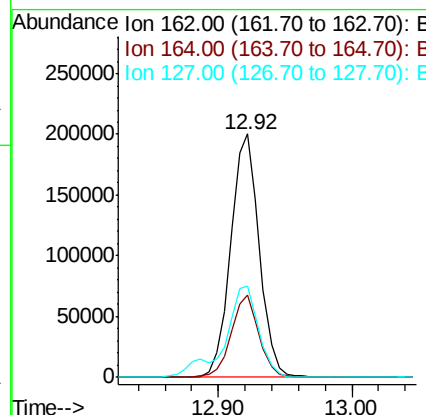
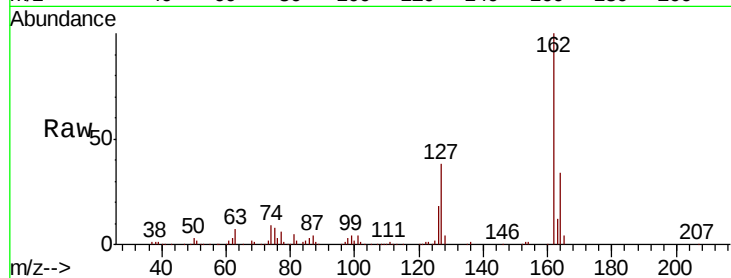




#42  
 2-Chloronaphthalene  
 Concen: 14.292 ng/ul  
 RT: 12.92 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

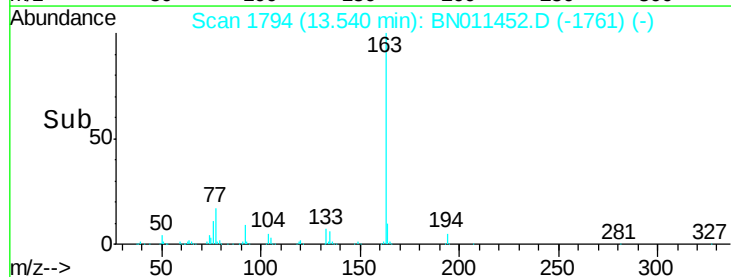
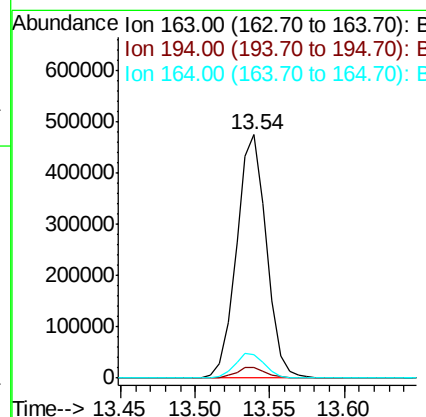
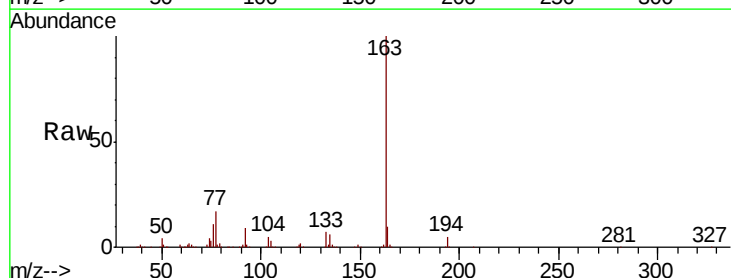
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

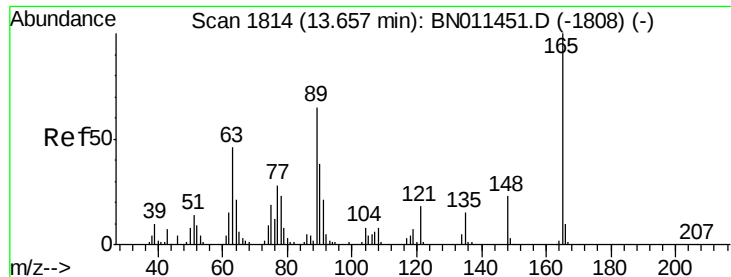
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 33.7  | 25.5  | 38.3  |
| 127     | 37.8  | 31.5  | 47.3  |



#45  
 Dimethylphthalate  
 Concen: 25.620 ng/ul  
 RT: 13.54 min Scan# 1794  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.8   | 5.6   |
| 164     | 9.8   | 8.7   | 13.1  |

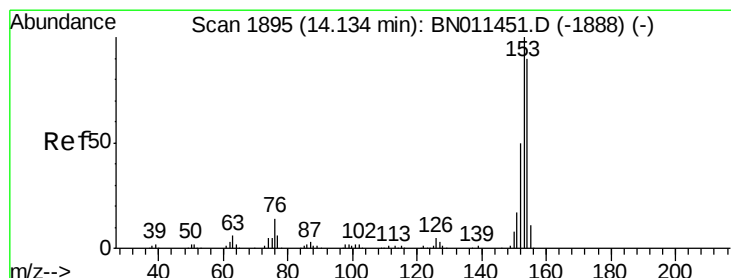
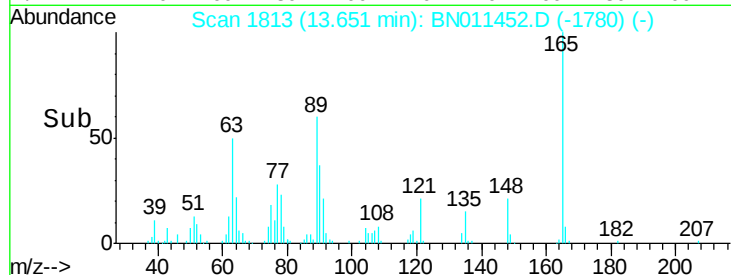
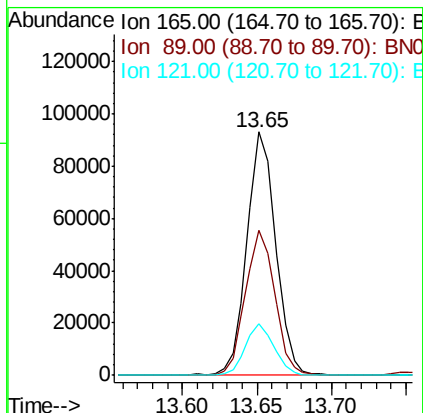
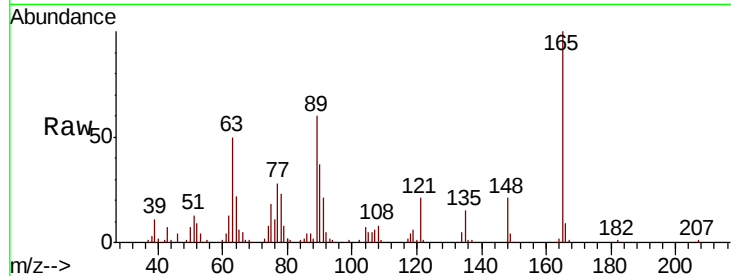




#46  
2,6-Dinitrotoluene  
Concen: 24.697 ng/ul  
RT: 13.65 min Scan# 1813  
Delta R.T. -0.01 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

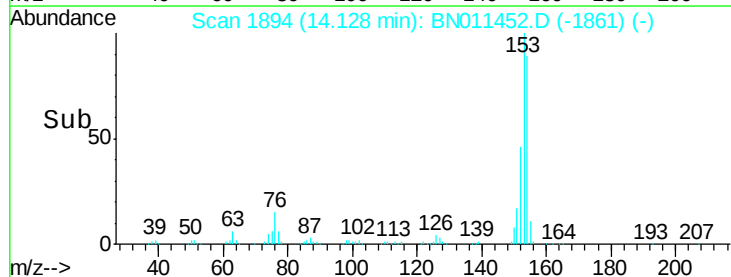
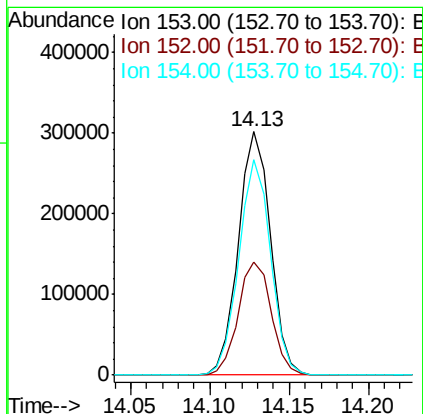
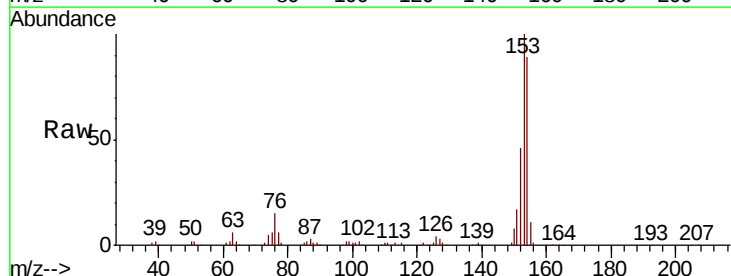
Instrument :  
BNA\_N  
ClientSampleId :  
DBFK6

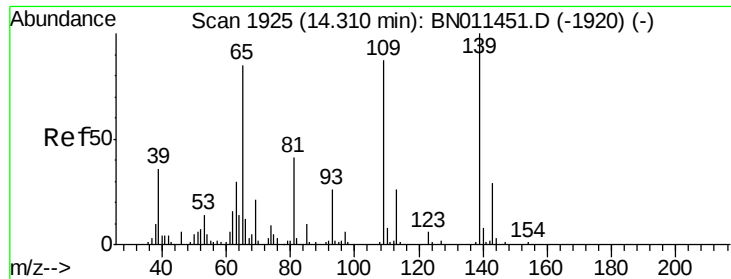
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 59.6  | 51.4  | 77.0  |
| 121     | 20.9  | 17.4  | 26.2  |



#50  
Acenaphthene  
Concen: 19.434 ng/ul  
RT: 14.13 min Scan# 1894  
Delta R.T. -0.01 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 46.4  | 37.6  | 56.4  |
| 154     | 88.7  | 72.0  | 108.0 |

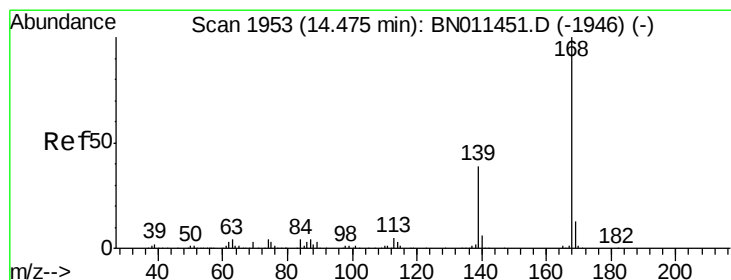
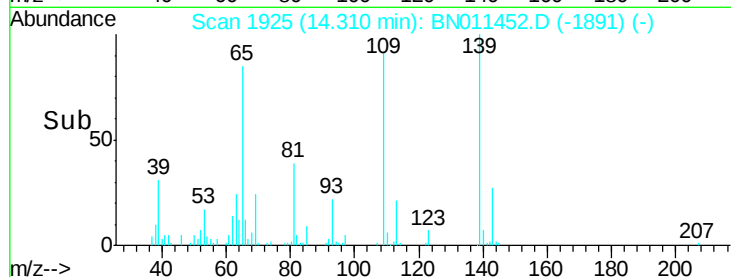
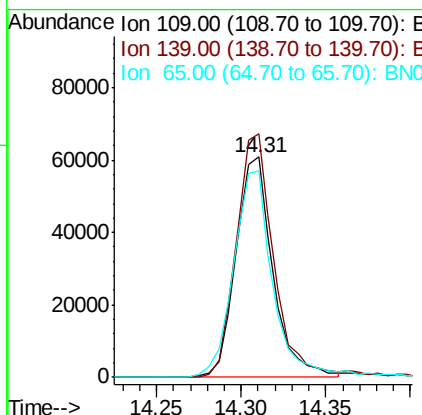
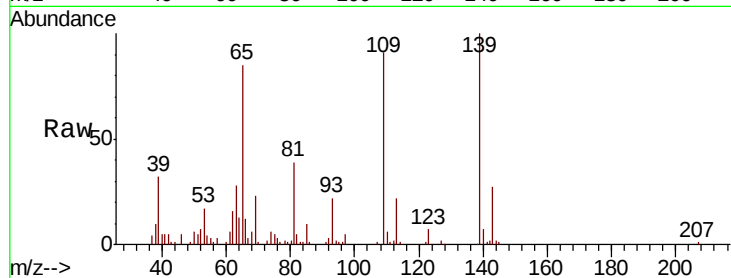




#53  
4-Nitrophenol  
Concen: 22.830 ng/ul  
RT: 14.31 min Scan# 1925  
Delta R.T. 0.00 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

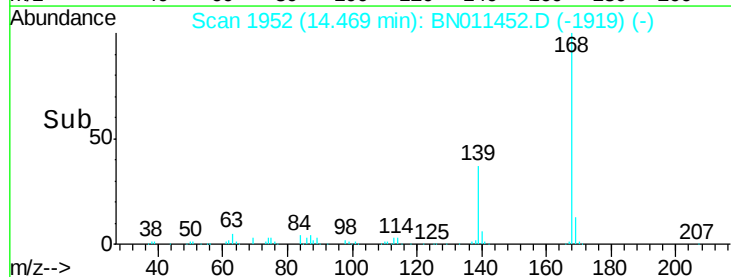
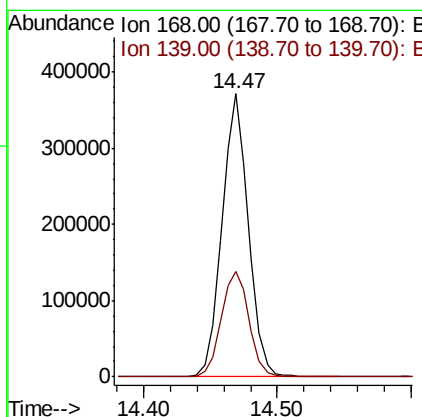
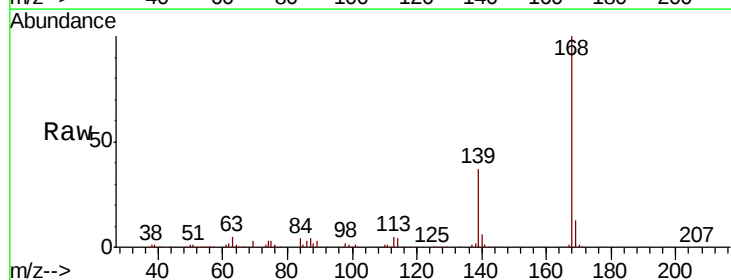
Instrument :  
BNA\_N  
ClientSampleId :  
DBFK6

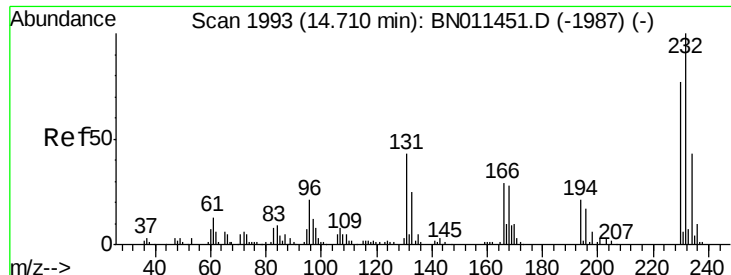
Tot Ion:109 Resp: 92598  
Ion Ratio Lower Upper  
109 100  
139 110.4 80.9 121.3  
65 93.5 77.2 115.8



#54  
Dibenzofuran  
Concen: 16.176 ng/ul  
RT: 14.47 min Scan# 1952  
Delta R.T. -0.01 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

Tgt Ion:168 Resp: 514136  
Ion Ratio Lower Upper  
168 100  
139 37.1 31.1 46.7

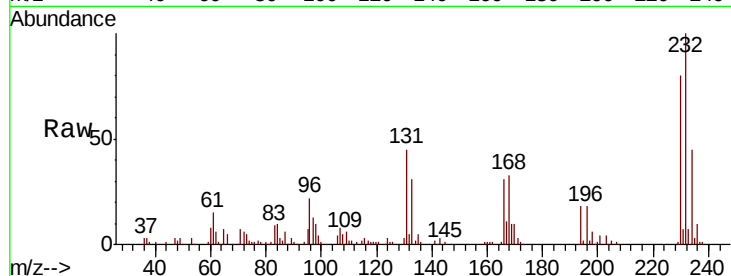




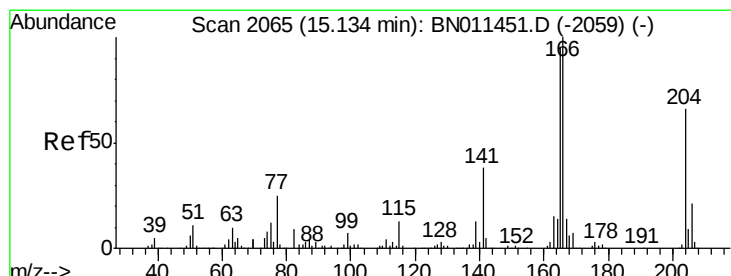
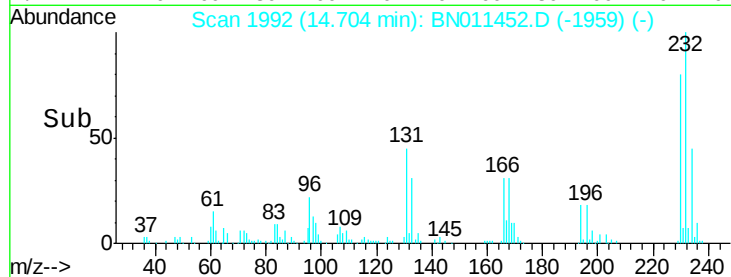
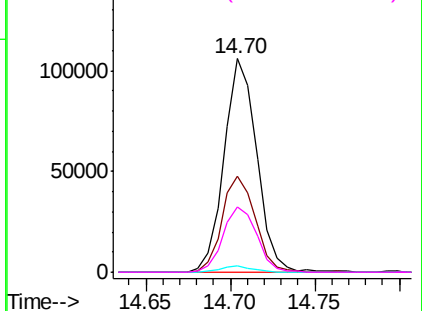
#56  
 2,3,4,6-Tetrachlorophenol  
 Concen: 23.851 ng/ul  
 RT: 14.70 min Scan# 1992  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 142882 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 45.2  | 35.8  | 53.6   |
| 130      | 3.0   | 2.2   | 3.2    |
| 166      | 30.8  | 24.1  | 36.1   |

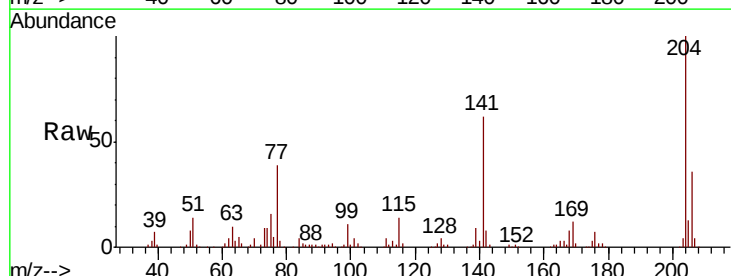


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

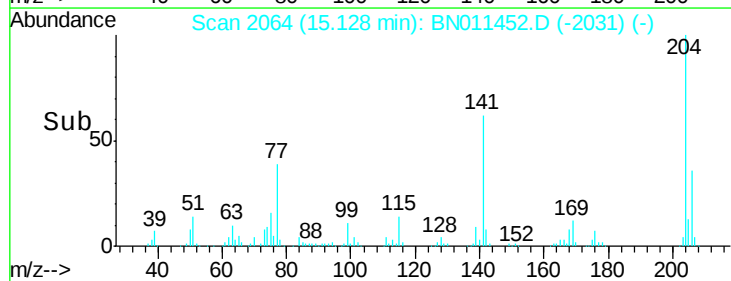
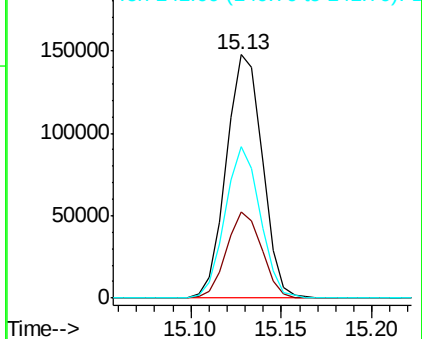


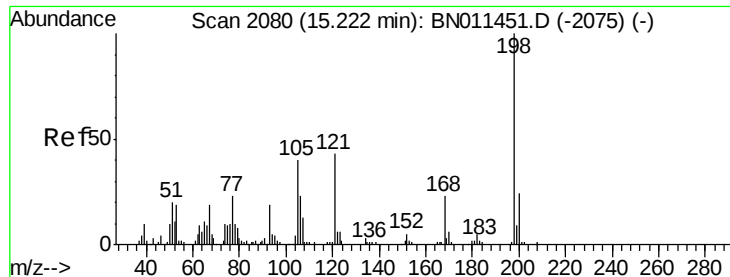
#60  
 4-Chlorophenyl-phenylether  
 Concen: 15.319 ng/ul  
 RT: 15.13 min Scan# 2064  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 204   | Resp: | 204752 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 35.6  | 26.3  | 39.5   |
| 141      | 62.4  | 49.3  | 73.9   |



Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

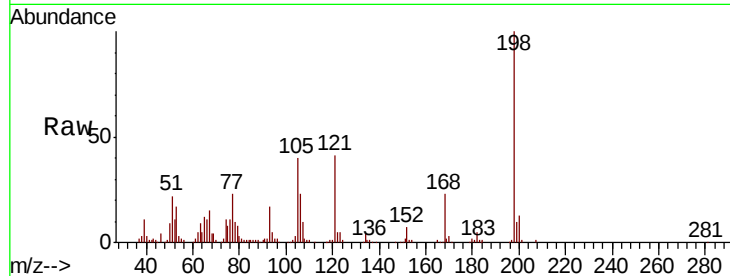




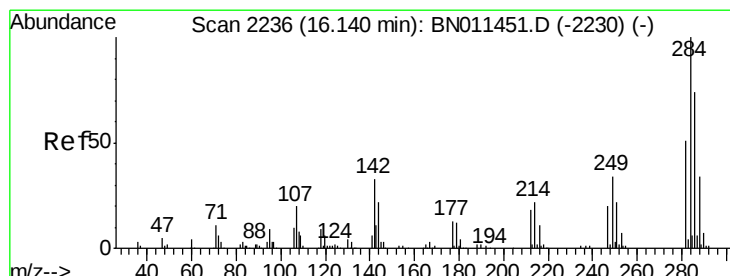
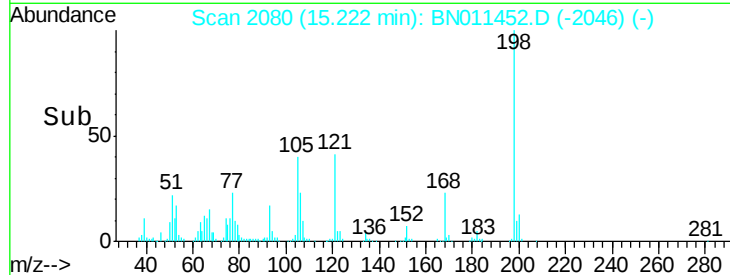
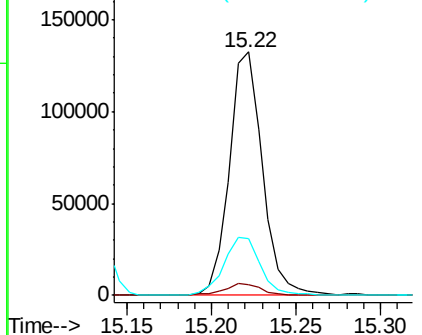
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 33.335 ng/ul  
 RT: 15.22 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 4.6   | 4.5   | 6.7   |
| 77      | 23.1  | 22.2  | 33.4  |

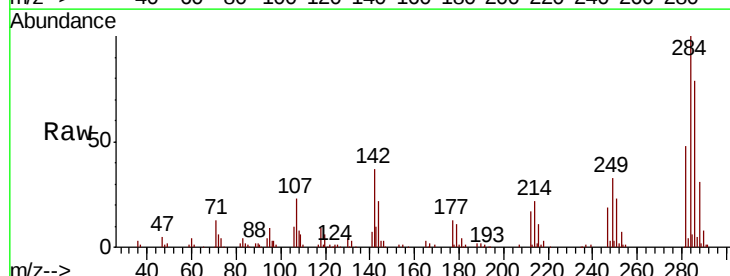


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): BNC

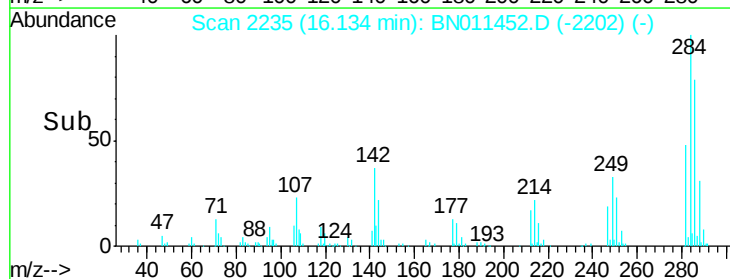
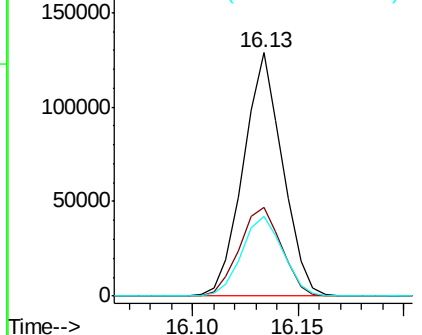


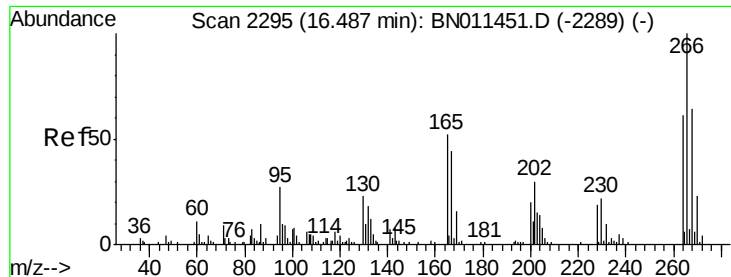
#67  
 Hexachlorobenzene  
 Concen: 17.479 ng/ul  
 RT: 16.13 min Scan# 2235  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.7  | 27.7  | 41.5  |
| 249     | 35.8  | 26.2  | 39.4  |



Abundance Ion 284.00 (283.70 to 284.70): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E

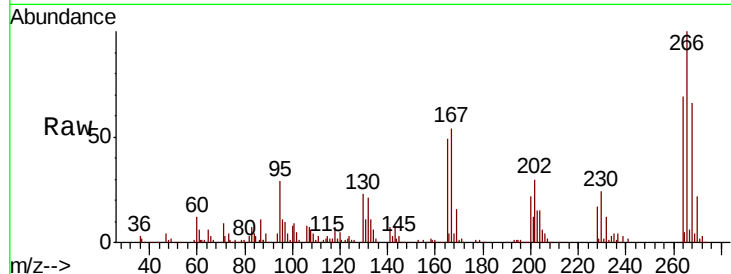




#69  
 Pentachlorophenol  
 Concen: 37.079 ng/ul  
 RT: 16.48 min Scan# 2294  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 69.3  | 67.9  | 101.9 |
| 268     | 66.2  | 63.4  | 95.2  |

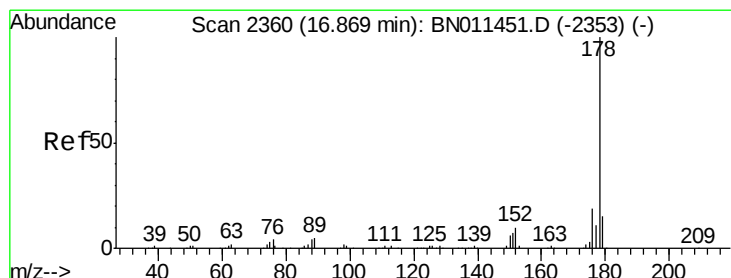
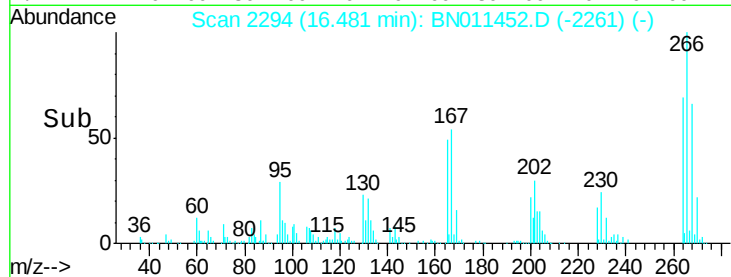
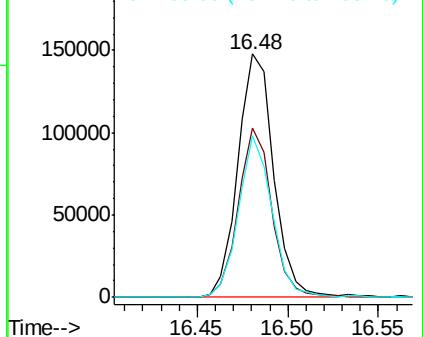


Abundance

Ion 265.70 (265.40 to 266.40): E

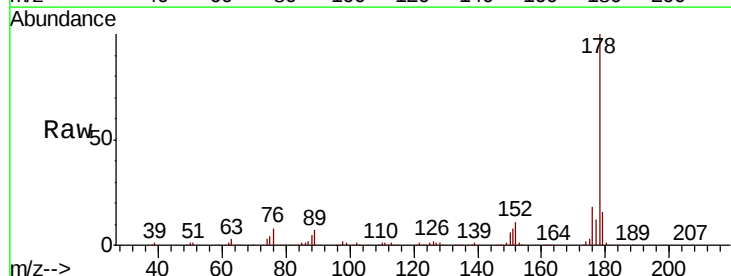
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70  
 Phenanthrene  
 Concen: 17.593 ng/ul  
 RT: 16.86 min Scan# 2359  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.5  | 13.1  | 19.7  |
| 176     | 18.5  | 15.7  | 23.5  |

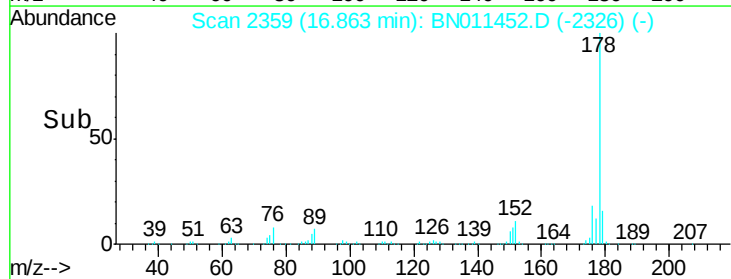
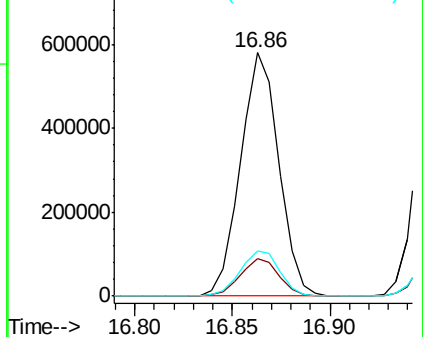


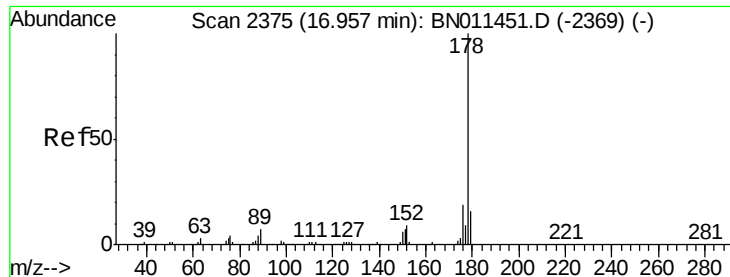
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

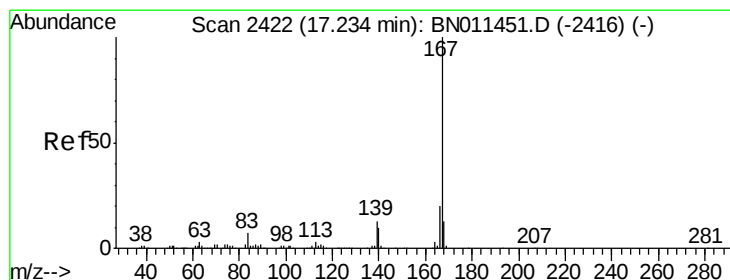
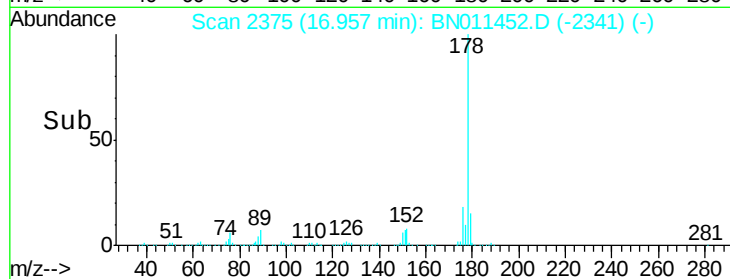
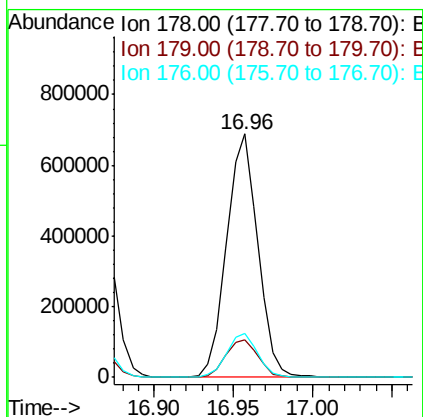
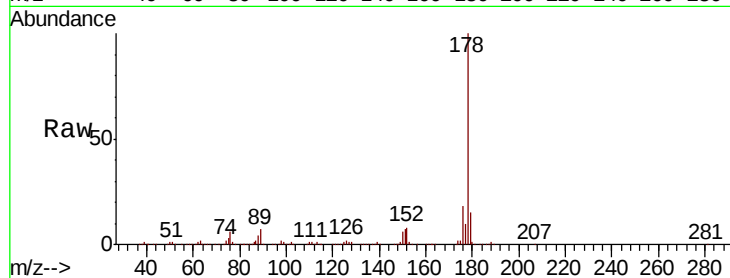




#72  
 Anthracene  
 Concen: 20.575 ng/ul  
 RT: 16.96 min Scan# 2375  
 Delta R.T. 0.00 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

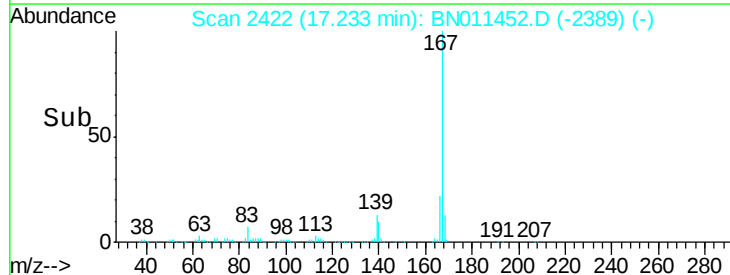
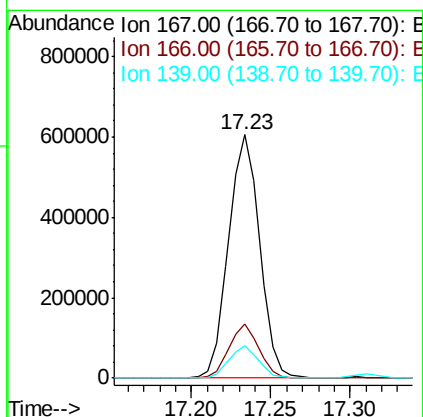
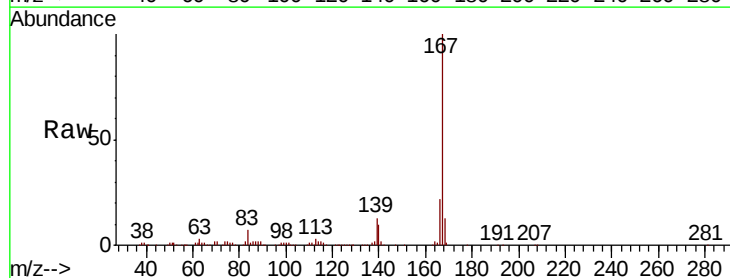
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFK6

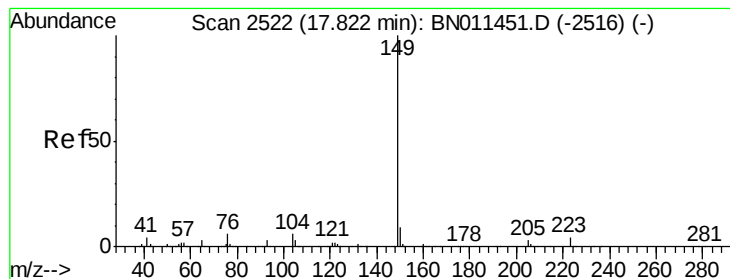
Tot Ion:178 Resp: 931941  
 Ion Ratio Lower Upper  
 178 100  
 179 15.2 13.0 19.4  
 176 18.1 14.6 21.8



#75  
 Carbazole  
 Concen: 21.640 ng/ul  
 RT: 17.23 min Scan# 2422  
 Delta R.T. -0.01 min  
 Lab File: BN011452.D  
 Acq: 17 Aug 2020 15:56

Tgt Ion:167 Resp: 824296  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.2 25.8  
 139 13.5 10.2 15.2





#76

Di-n-butylphthalate

Concen: 17.770 ng/ul

RT: 17.82 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

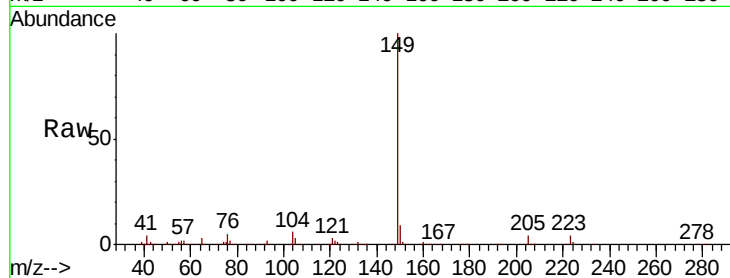
Tot Ion:149 Resp: 769526

Ion Ratio Lower Upper

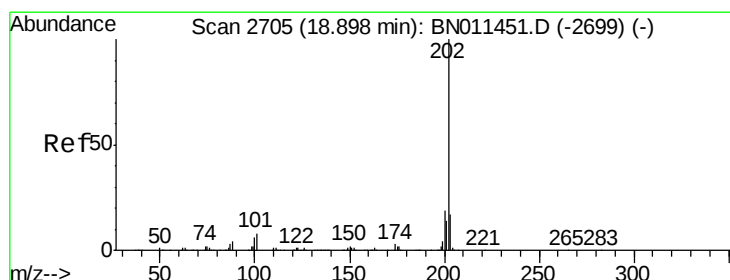
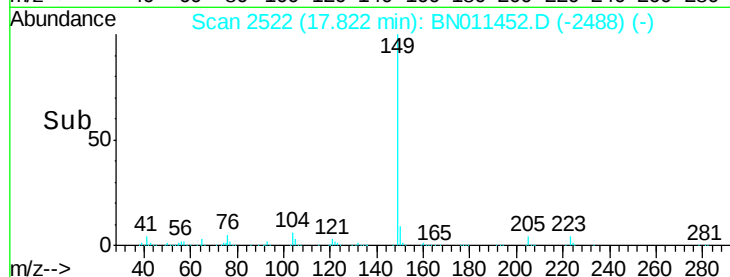
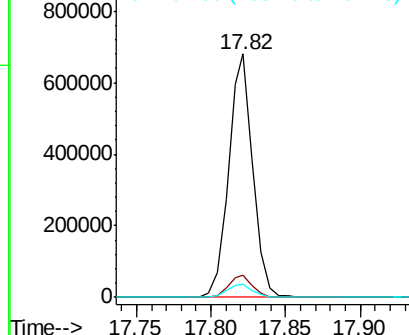
149 100

150 8.9 7.4 11.0

104 5.6 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 36.799 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

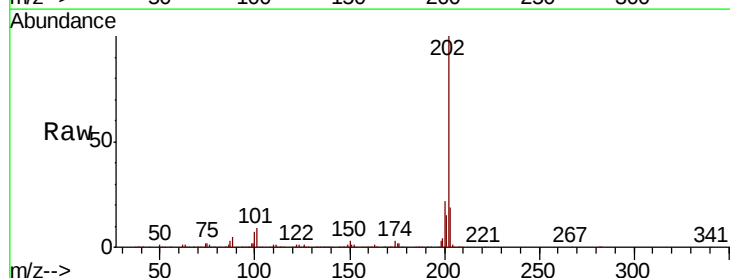
Tgt Ion:202 Resp: 2013761

Ion Ratio Lower Upper

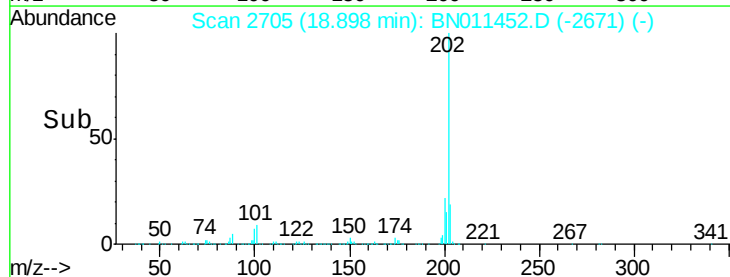
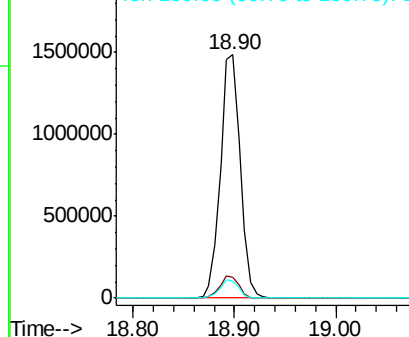
202 100

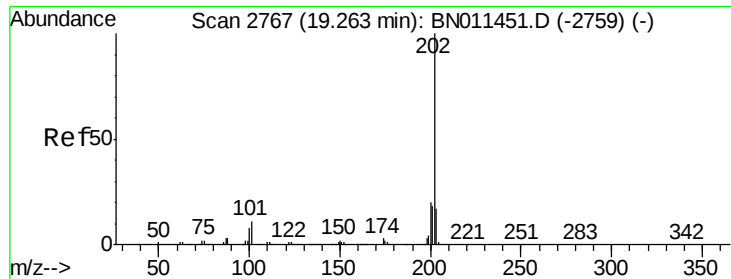
101 8.8 7.3 10.9

100 7.1 5.2 7.8



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

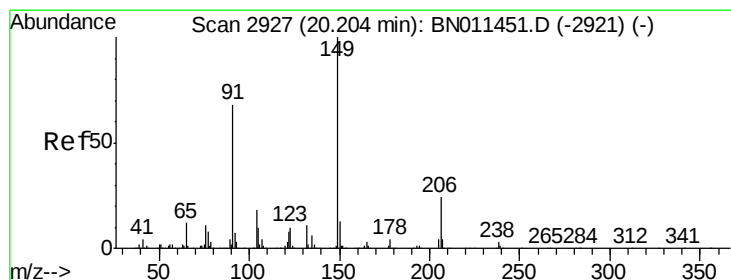
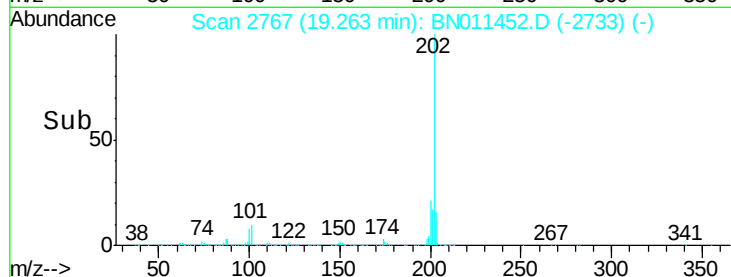
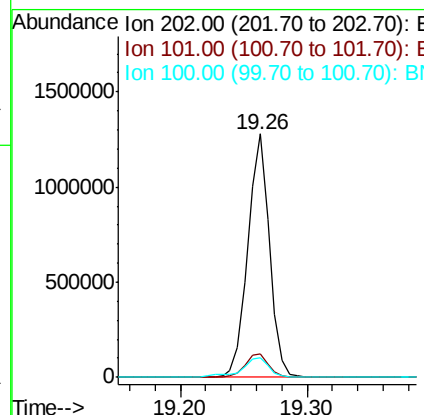
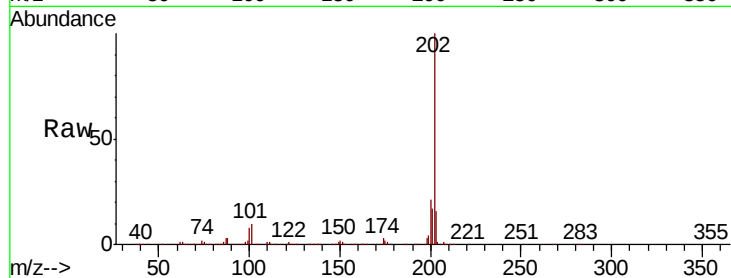




#80  
Pvrene  
Concen: 32.278 ng/ul  
RT: 19.26 min Scan# 2767  
Delta R.T. 0.00 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

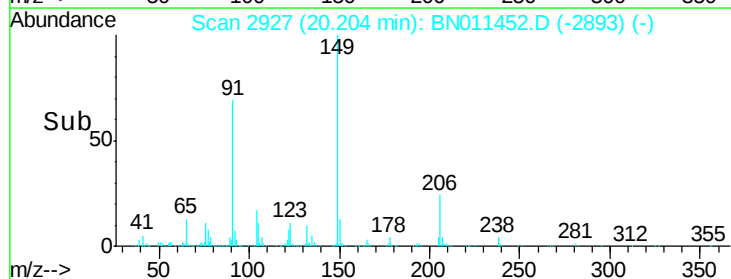
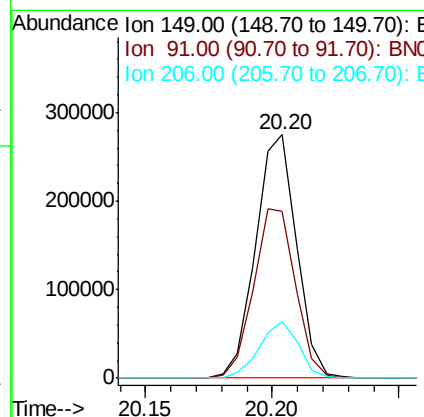
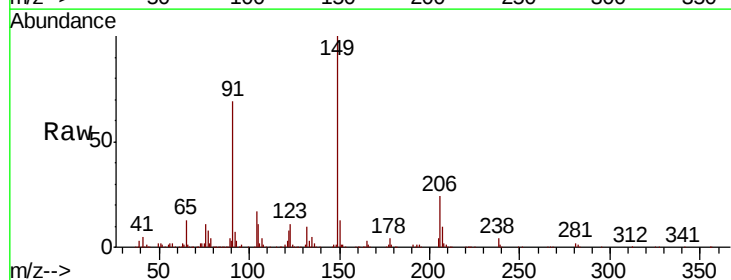
Instrument :  
BNA\_N  
ClientSampleId :  
DBFK6

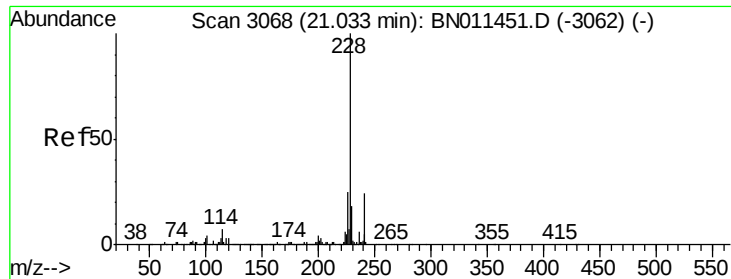
Tot Ion:202 Resp: 1509331  
Ion Ratio Lower Upper  
202 100  
101 9.5 7.8 11.8  
100 8.2 6.5 9.7



#81  
Butylbenzylphthalate  
Concen: 19.611 ng/ul  
RT: 20.20 min Scan# 2927  
Delta R.T. 0.00 min  
Lab File: BN011452.D  
Acq: 17 Aug 2020 15:56

Tgt Ion:149 Resp: 309371  
Ion Ratio Lower Upper  
149 100  
91 68.5 54.4 81.6  
206 23.5 18.9 28.3





#83

Benzo(a)anthracene

Concen: 37.548 ng/ul

RT: 21.03 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

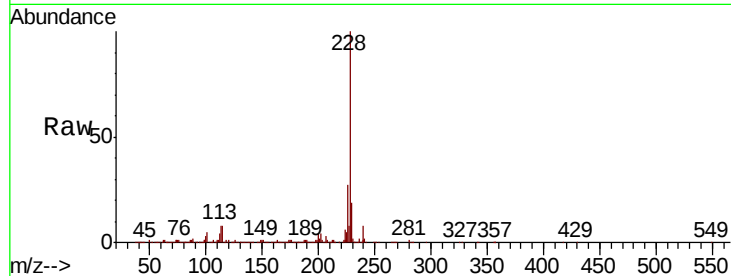
BNA\_N

ClientSampleId :

DBFK6

Tot Ion:228 Resp: 1659914

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.2  | 15.0  | 22.4  |
| 226 | 27.1  | 21.5  | 32.3  |

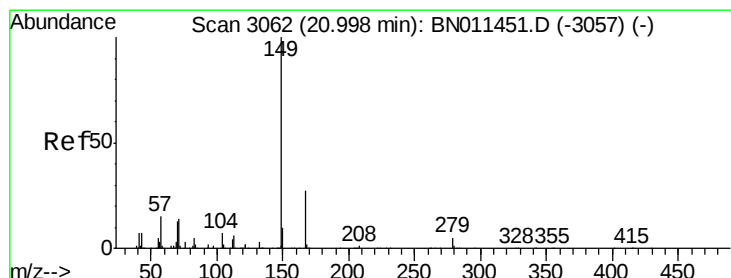
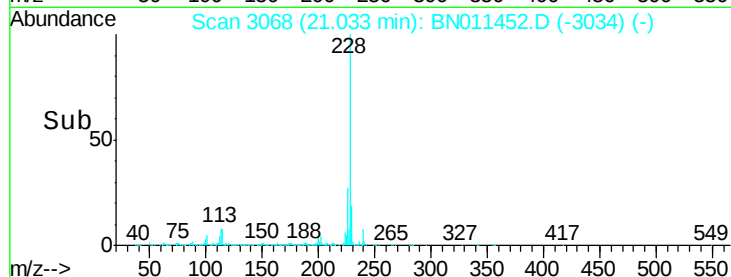
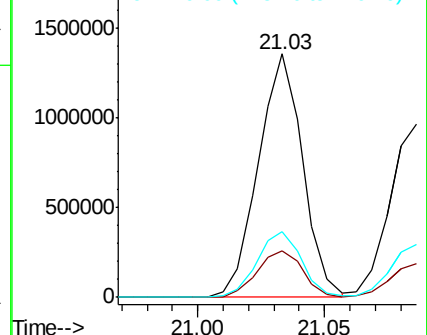


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 23.833 ng/ul

RT: 21.00 min Scan# 3062

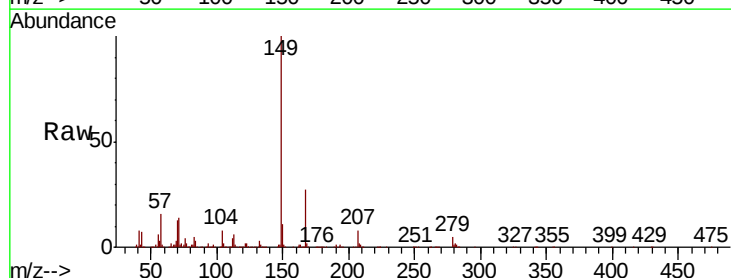
Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Tgt Ion:149 Resp: 566955

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.0  | 21.8  | 32.6  |
| 279 | 5.0   | 3.3   | 4.9   |

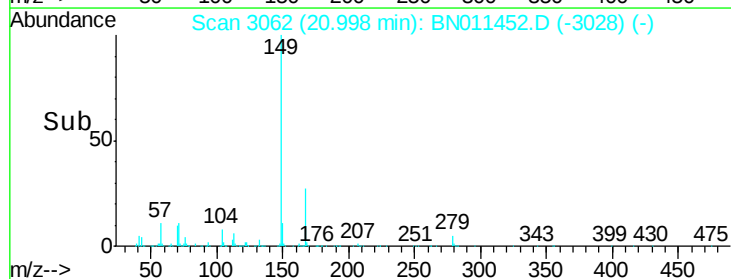
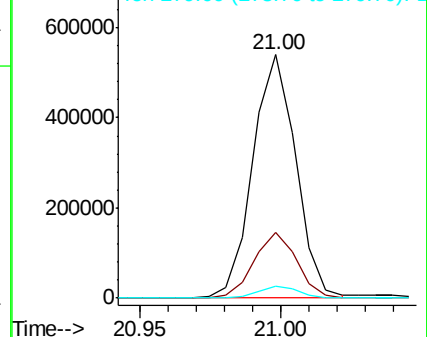


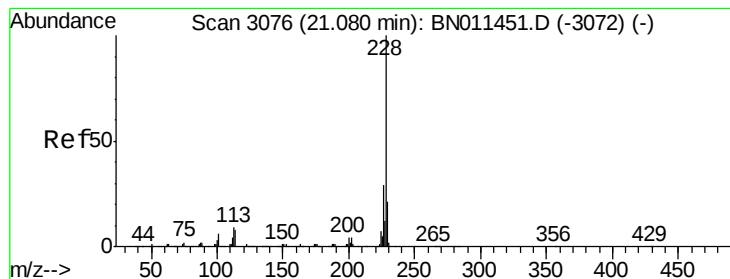
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 26.151 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

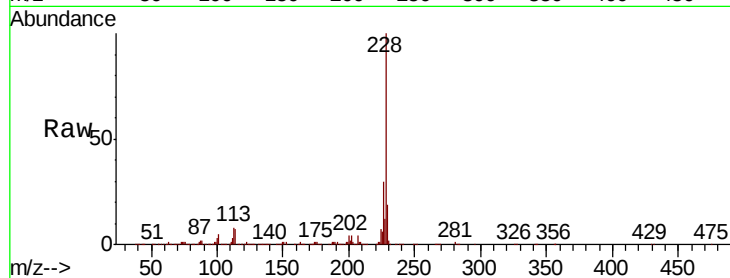
BNA\_N

ClientSampleId :

DBFK6

Tot Ion:228 Resp: 1148349

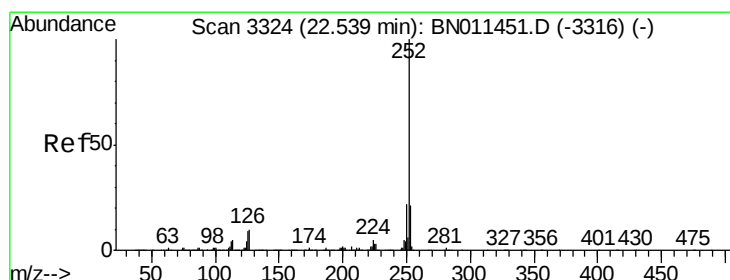
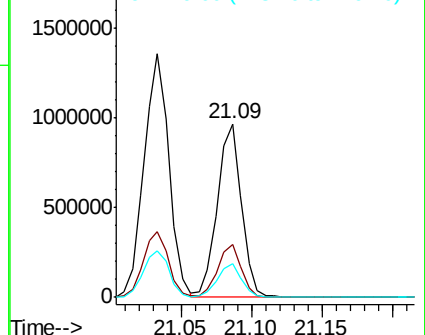
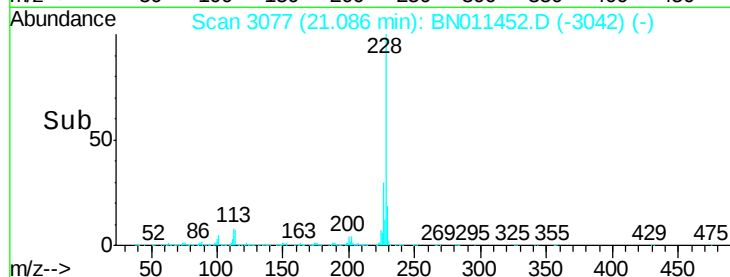
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.4  | 23.5  | 35.3  |
| 229 | 19.3  | 15.0  | 22.6  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 27.585 ng/ul

RT: 22.54 min Scan# 3324

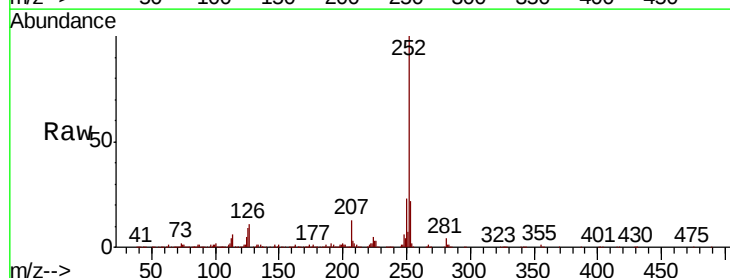
Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Tgt Ion:252 Resp: 1313651

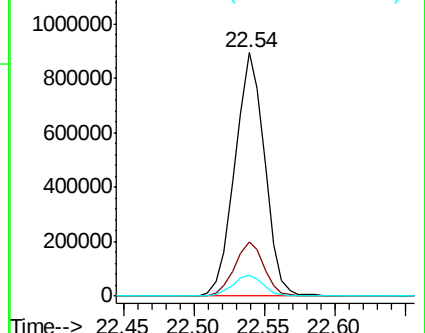
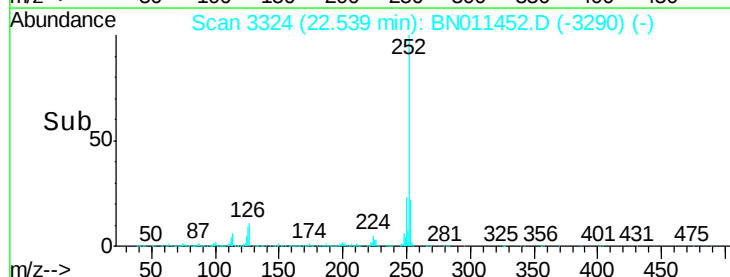
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 17.2  | 25.8  |
| 125 | 8.6   | 6.6   | 9.8   |

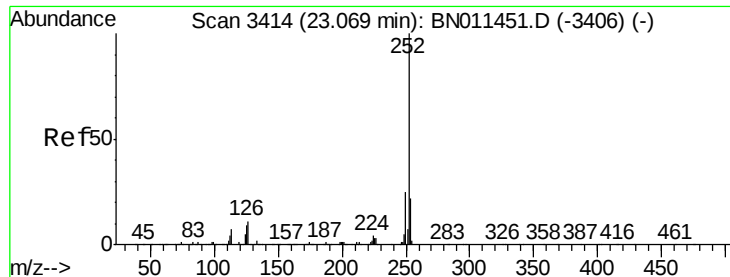


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 24.369 ng/ul

RT: 23.07 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

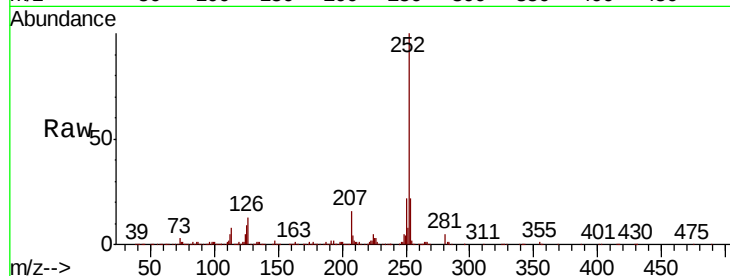
Tot Ion:252 Resp: 1069239

Ion Ratio Lower Upper

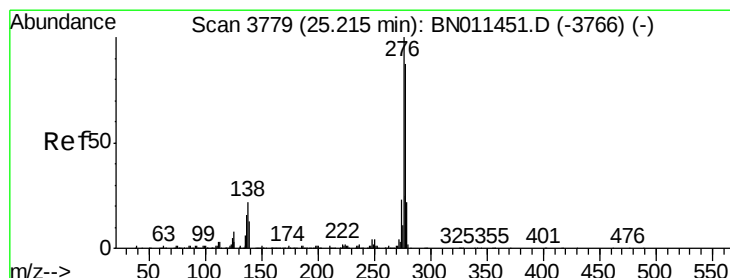
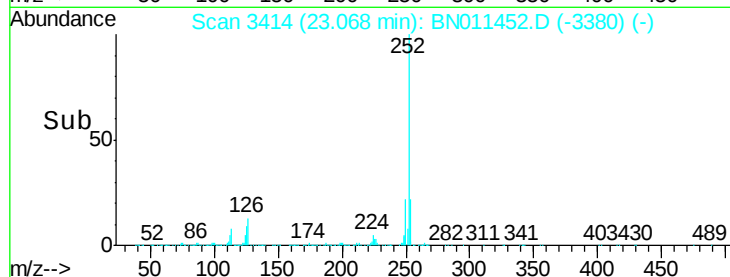
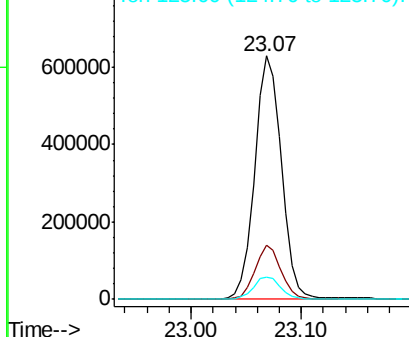
252 100

253 22.5 16.6 25.0

125 8.9 7.1 10.7



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 26.942 ng/ul

RT: 25.22 min Scan# 3779

Delta R.T. 0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

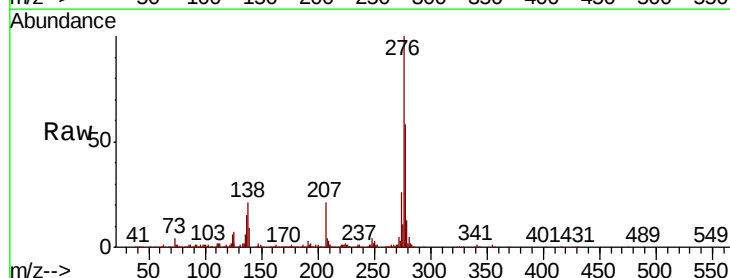
Tgt Ion:276 Resp: 1515159

Ion Ratio Lower Upper

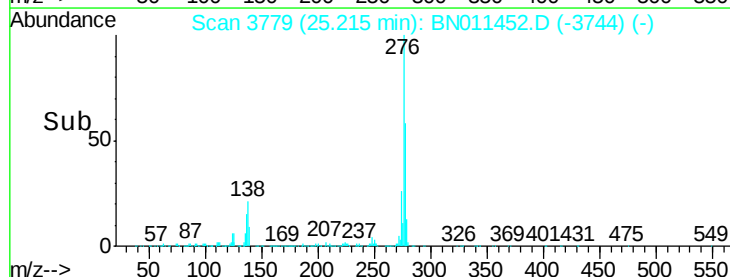
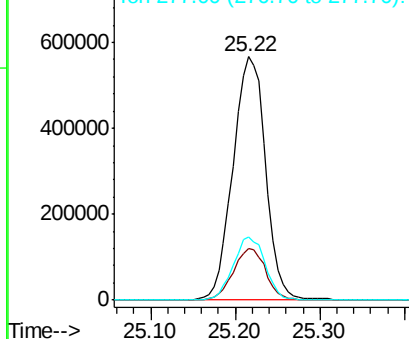
276 100

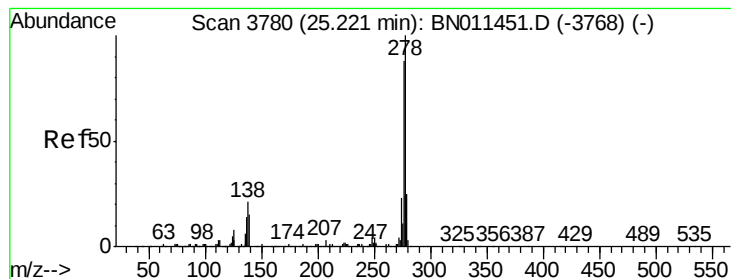
138 21.2 17.0 25.4

277 26.0 18.1 27.1



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 20.987 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. 0.01 min

Lab File: BN011452.D

Acq: 17 Aug 2020 15:56

Instrument :

BNA\_N

ClientSampleId :

DBFK6

Tot Ion:278 Resp: 988121

Ion Ratio Lower Upper

278 100

139 14.5 11.7 17.5

279 24.3 19.3 28.9

