

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\  
 Data File : BN002411.D  
 Acq On : 18 Aug 2018 10:27  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 20 01:12:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 18 04:58:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 161887   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 775726   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 485119   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 1135129  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1260162  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.47 | 264  | 1321190  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 28734   | 8.38  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 312587  | 21.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 198325  | 21.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 242398  | 21.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 252860  | 21.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 130431  | 21.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 140736  | 21.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 263503  | 22.08 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 278360  | 21.58 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 849843  | 21.13 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 1075233 | 21.79 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 155184  | 20.41 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 746606  | 21.41 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 142638  | 19.74 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1157973 | 21.35 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 1272767 | 21.11 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.33 | 264 | 1484700 | 21.49 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 27946  | 7.616  | ng/uL  | 98 |
| 4) Benzaldehyde                | 6.83  | 77  | 210685 | 20.660 | ng/ul  | 93 |
| 6) Phenol                      | 6.88  | 94  | 315584 | 20.877 | ng/ul  | 94 |
| 8) Bis(2-Chloroethyl)ether     | 7.11  | 93  | 240791 | 20.953 | ng/ul# | 85 |
| 10) 2-Chlorophenol             | 7.25  | 128 | 244838 | 21.509 | ng/ul# | 89 |
| 11) 2-Methylphenol             | 8.12  | 108 | 242439 | 21.251 | ng/ul  | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 421978 | 22.172 | ng/ul# | 85 |
| 14) Acetophenone               | 8.49  | 105 | 407414 | 21.475 | ng/ul# | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.48  | 70  | 219727 | 21.949 | ng/ul# | 79 |
| 16) 4-Methylphenol             | 8.44  | 108 | 262860 | 21.179 | ng/ul  | 99 |
| 17) Hexachloroethane           | 8.74  | 117 | 98959  | 20.754 | ng/ul  | 99 |
| 20) Nitrobenzene               | 8.86  | 77  | 317235 | 21.468 | ng/ul  | 97 |
| 21) Isophorone                 | 9.38  | 82  | 626108 | 21.979 | ng/ul  | 97 |
| 23) 2-Nitrophenol              | 9.57  | 139 | 149964 | 21.972 | ng/ul# | 88 |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 306079 | 21.869 | ng/ul  | 96 |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 356701 | 21.253 | ng/ul  | 99 |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 247888 | 21.455 | ng/ul  | 98 |
| 28) Naphthalene                | 10.49 | 128 | 845105 | 21.174 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 10.61 | 127 | 283027 | 21.705 | ng/ul  | 97 |
| 31) Hexachlorobutadiene        | 10.78 | 225 | 151321 | 20.806 | ng/ul  | 98 |
| 32) Caprolactam                | 11.36 | 113 | 54434  | 12.541 | ng/ul# | 49 |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 290051 | 21.816 | ng/ul  | 98 |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 632182 | 21.461 | ng/ul  | 99 |

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 Data File : BN002411.D  
 Acq On : 18 Aug 2018 10:27  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

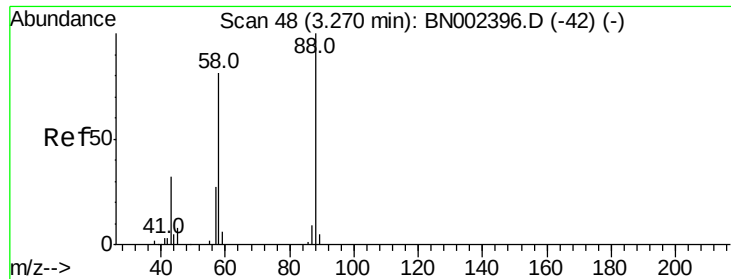
Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 20 01:12:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 18 04:58:06 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 310673   | 21.142 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 164493   | 18.428 | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 203386   | 21.495 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 220718   | 21.800 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 824624   | 21.234 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 640989   | 21.173 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 215193   | 22.319 | ng/ul# | 80       |
| 44) Dimethylphthalate          | 13.77 | 163  | 829022   | 21.019 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 173398   | 21.760 | ng/ul  | 91       |
| 47) Acenaphthylene             | 14.03 | 152  | 1007457  | 21.449 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.22 | 138  | 164122   | 21.647 | ng/ul  | 93       |
| 49) Acenaphthene               | 14.37 | 153  | 708965   | 21.397 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 81147    | 17.021 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.53 | 109  | 119007   | 20.655 | ng/ul# | 82       |
| 53) Dibenzofuran               | 14.70 | 168  | 989686   | 21.173 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 261466   | 21.762 | ng/ul# | 79       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 193948   | 21.939 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.14 | 149  | 862097   | 21.423 | ng/ul  | 100      |
| 58) Fluorene                   | 15.36 | 166  | 822419   | 21.505 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 401127   | 21.252 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 209886   | 21.420 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 147061   | 19.725 | ng/ul  | 92       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 700222   | 21.111 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 245836   | 21.229 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 274684   | 21.254 | ng/ul  | 96       |
| 67) Atrazine                   | 16.53 | 200  | 258787   | 21.340 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.71 | 266  | 142457   | 19.692 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 1334983  | 21.333 | ng/ul  | 98       |
| 71) Anthracene                 | 17.19 | 178  | 1360002  | 21.429 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216  | 337179   | 21.243 | ng/ul  | 99       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 321059   | 21.222 | ng/ul  | 99       |
| 74) Carbazole                  | 17.46 | 167  | 1223667  | 21.741 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 1512855  | 22.110 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.12 | 202  | 1569213  | 22.033 | ng/ul  | 98       |
| 79) Pvrene                     | 19.48 | 202  | 1602911  | 21.095 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 718717   | 22.324 | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 507380   | 20.204 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.24 | 228  | 1643153  | 21.284 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1074679  | 22.254 | ng/ul  | 99       |
| 84) Chrysene                   | 21.29 | 228  | 1543074  | 21.118 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 1865413  | 22.217 | ng/ul# | 92       |
| 87) Benzo(b)fluoranthene       | 22.81 | 252  | 1721011  | 21.731 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.85 | 252  | 1591844  | 21.336 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.38 | 252  | 1612557  | 21.375 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.69 | 276  | 1795390  | 20.005 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.70 | 278  | 1502147  | 20.020 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.37 | 276  | 1438430  | 19.208 | ng/ul  | 97       |

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





#2

1,4-Dioxane

Concen: 7.616 ng/uL

RT: 3.27 min Scan# 48

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampled :

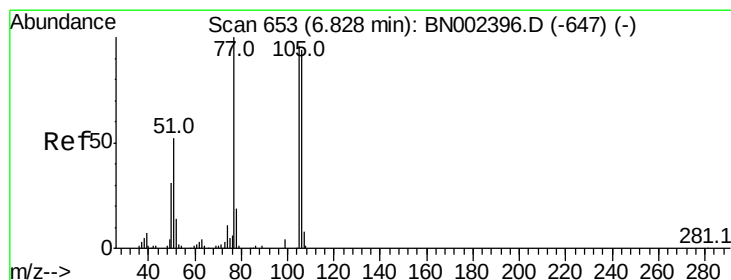
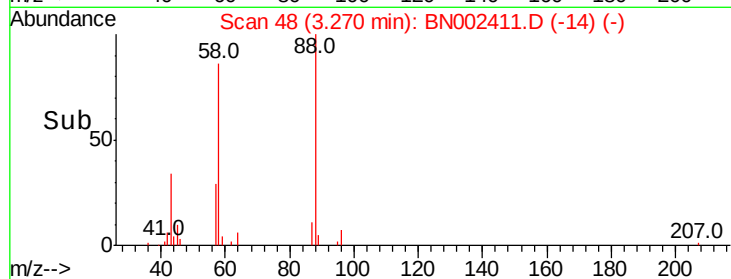
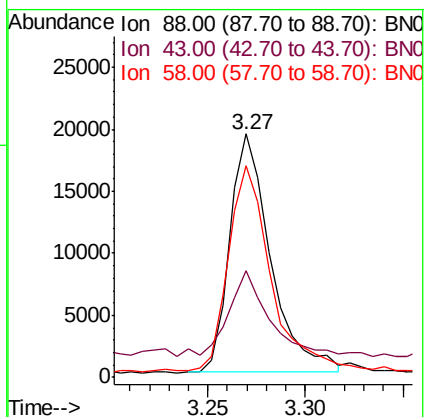
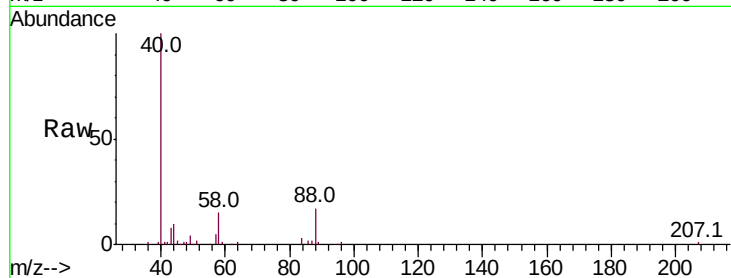
Tot Ion: 88 Resp: 27946

Ion Ratio Lower Upper

88 100

43 36.0 32.0 48.0

58 89.7 72.0 108.0



#4

Benzaldehyde

Concen: 20.660 ng/uL

RT: 6.83 min Scan# 653

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

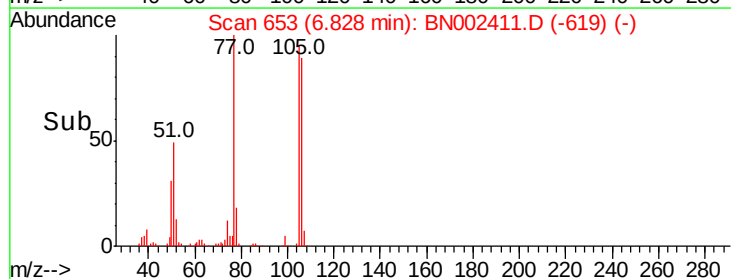
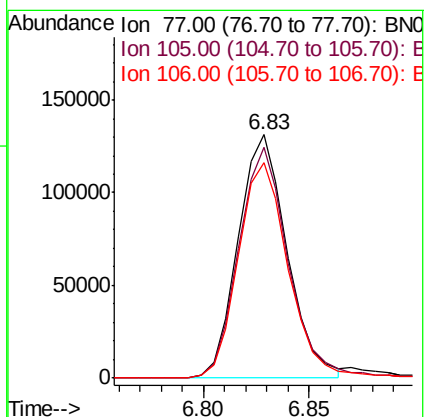
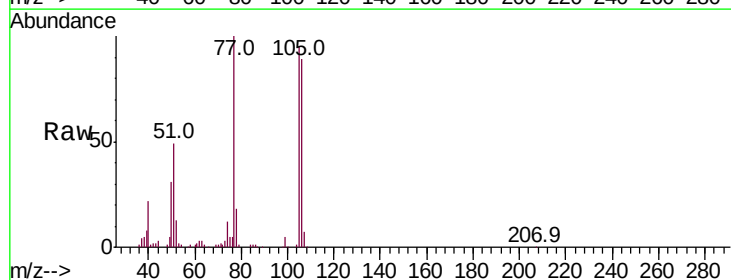
Tgt Ion: 77 Resp: 210685

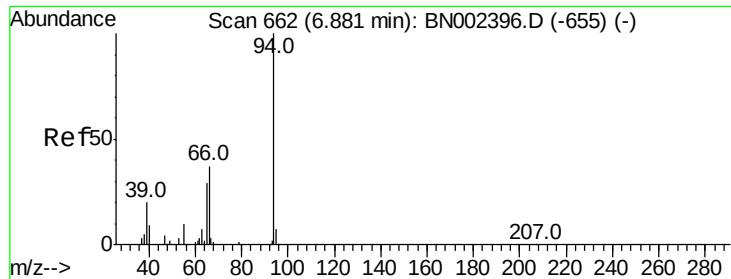
Ion Ratio Lower Upper

77 100

105 95.0 80.6 120.8

106 88.6 77.7 116.5





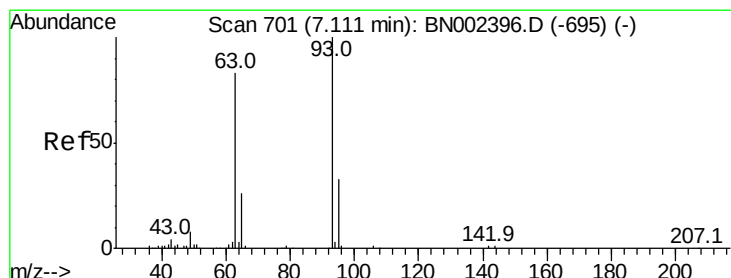
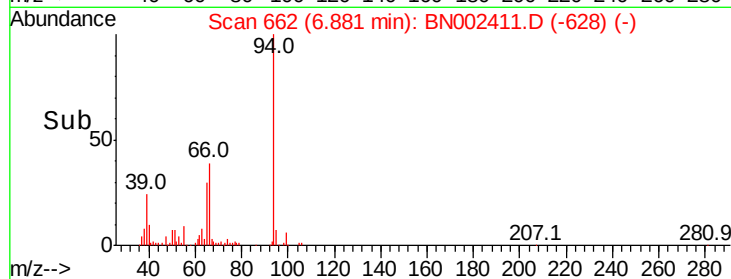
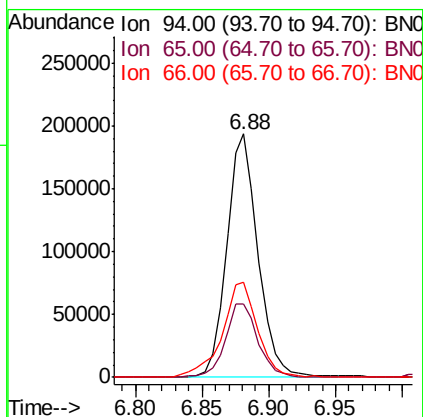
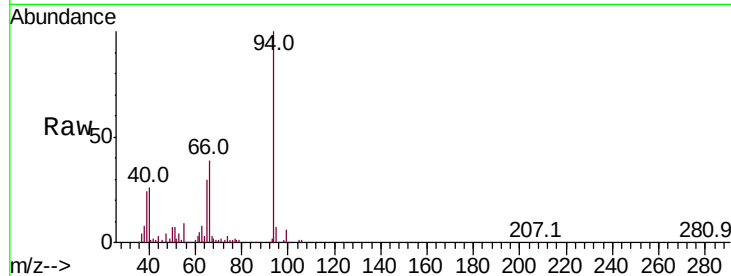
#6

Phenol

Concen: 20.877 ng/ul  
 RT: 6.88 min Scan# 662  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion: 94 Resp: 315584  
 Ion Ratio Lower Upper  
 94 100  
 65 30.2 21.0 31.6  
 66 39.2 29.3 43.9

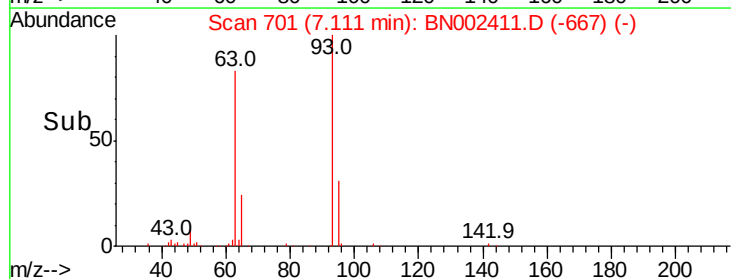
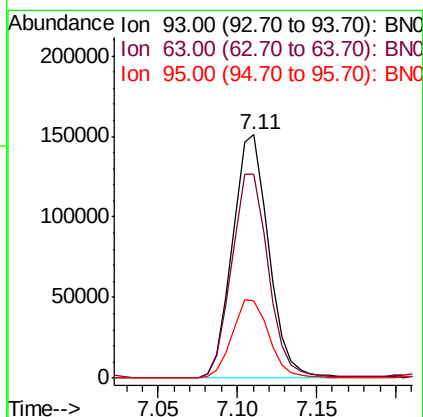
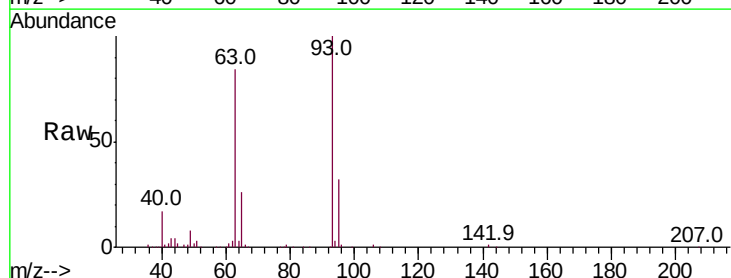


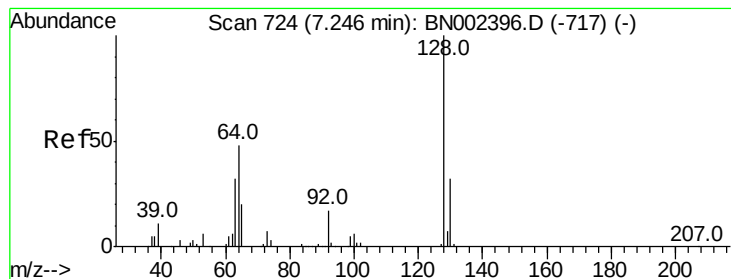
#8

Bis(2-Chloroethyl)ether

Concen: 20.953 ng/ul  
 RT: 7.11 min Scan# 701  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Tgt Ion: 93 Resp: 240791  
 Ion Ratio Lower Upper  
 93 100  
 63 83.5 53.5 80.3#  
 95 31.6 26.2 39.2





#10

2-Chlorophenol

Concen: 21.509 ng/ul

RT: 7.25 min Scan# 724

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

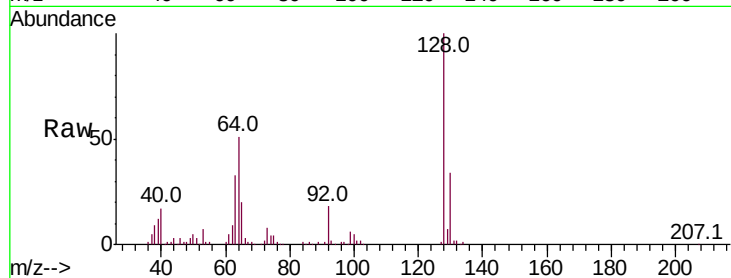
Tot Ion:128 Resp: 244838

Ion Ratio Lower Upper

128 100

64 50.5 31.9 47.9#

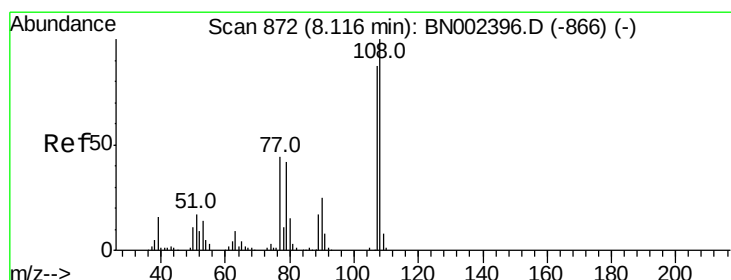
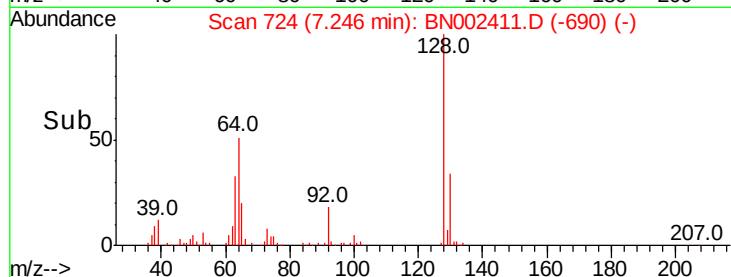
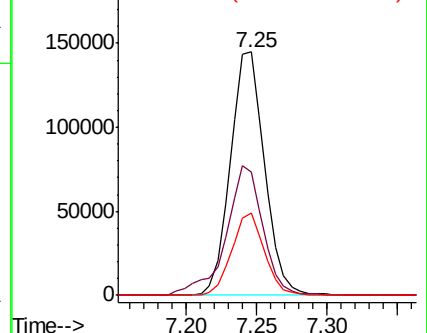
130 33.6 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 21.251 ng/ul

RT: 8.12 min Scan# 872

Delta R.T. -0.00 min

Lab File: BN002411.D

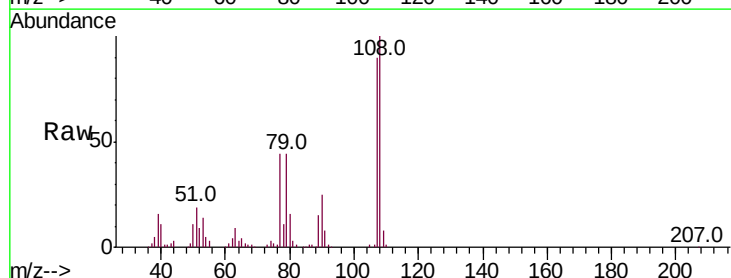
Acq: 18 Aug 2018 10:27

Tgt Ion:108 Resp: 242439

Ion Ratio Lower Upper

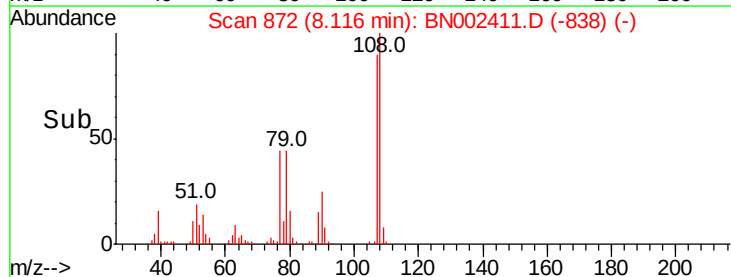
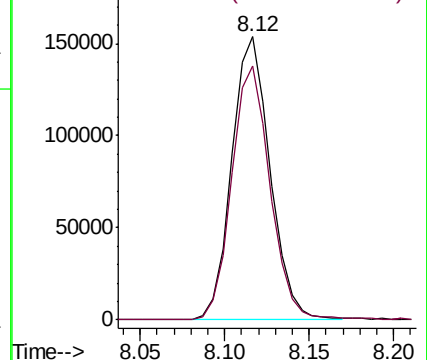
108 100

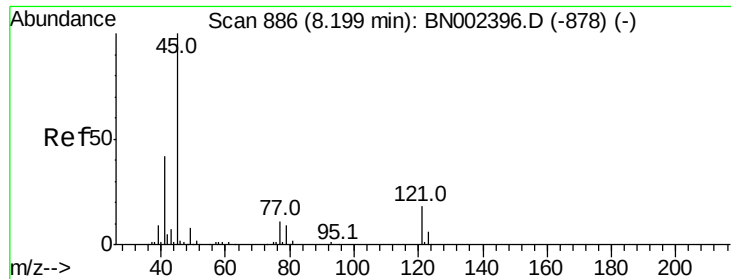
107 89.6 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

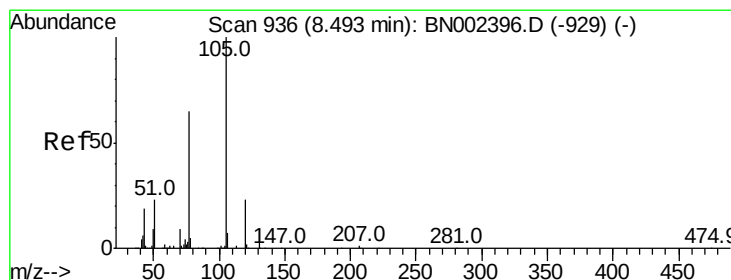
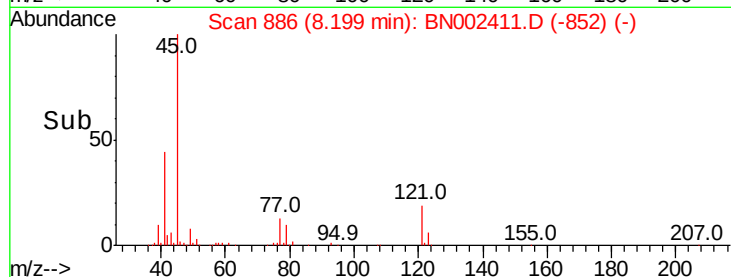
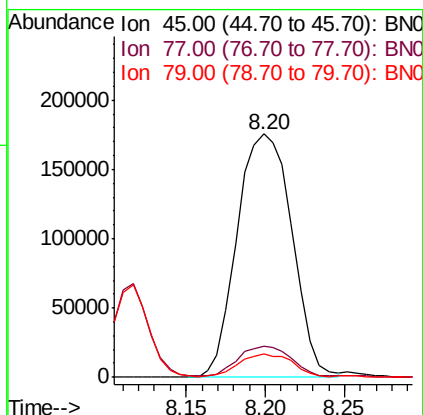
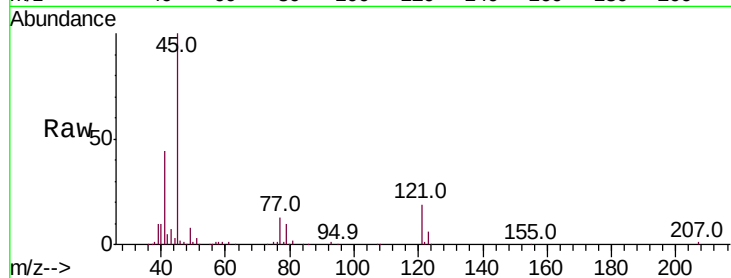




#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 22.172 ng/ul  
RT: 8.20 min Scan# 886  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

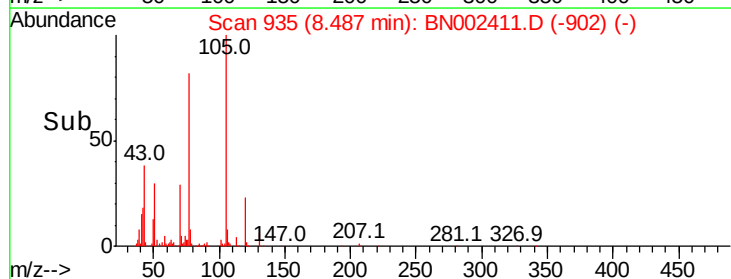
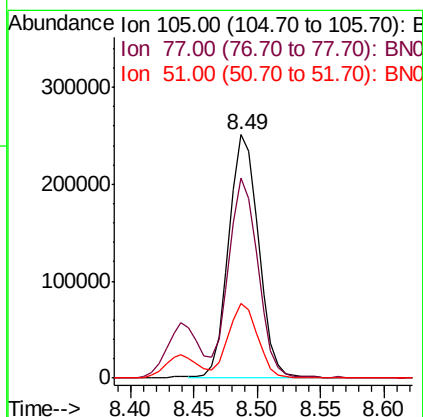
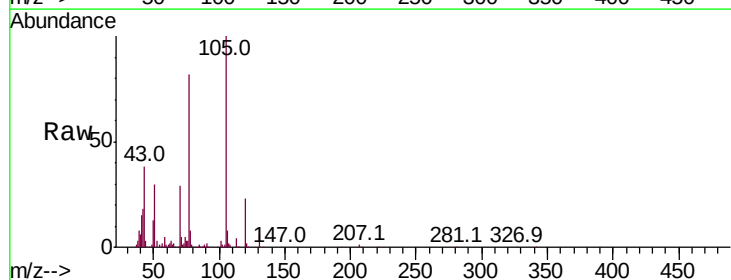
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion: 45 Resp: 421978  
Ion Ratio Lower Upper  
45 100  
77 12.6 15.9 23.9#  
79 9.6 12.5 18.7#

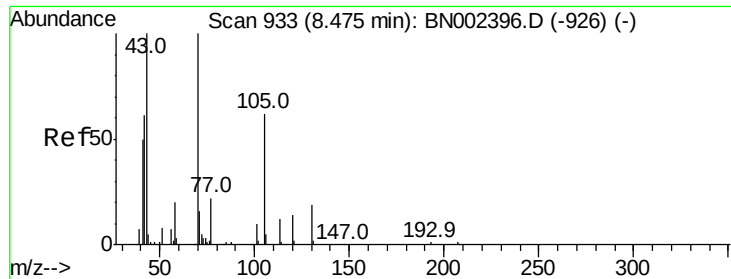


#14  
Acetophenone  
Concen: 21.475 ng/ul  
RT: 8.49 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:105 Resp: 407414  
Ion Ratio Lower Upper  
105 100  
77 82.2 59.0 88.4  
51 30.5 16.4 24.6#







#15

N-Nitroso-di-n-propylamine

Concen: 21.949 ng/ul

RT: 8.48 min Scan# 933

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

Tot Ion: 70 Resp: 219727

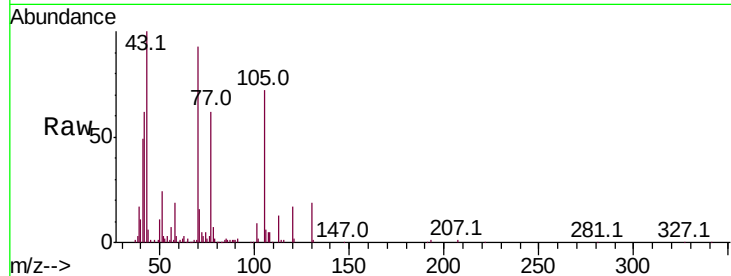
Ion Ratio Lower Upper

70 100

42 66.2 35.4 53.0#

101 9.9 8.4 12.6

130 20.3 18.2 27.4

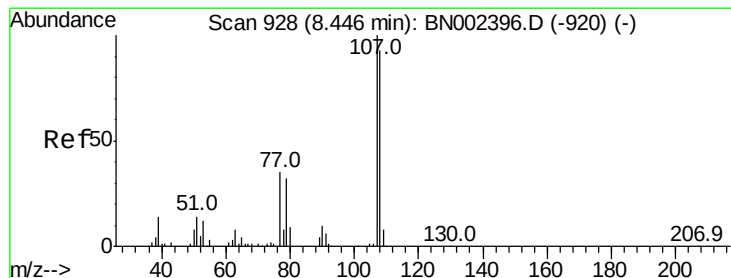
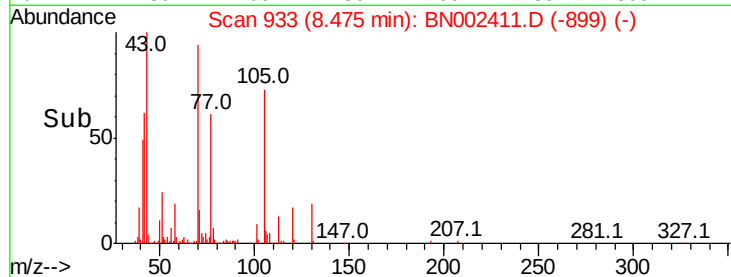
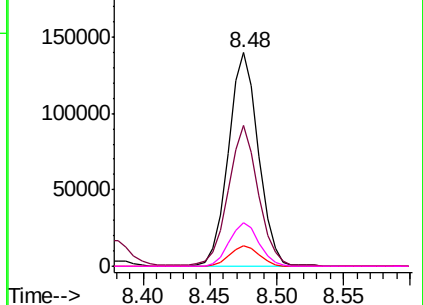


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#16

4-Methylphenol

Concen: 21.179 ng/ul

RT: 8.44 min Scan# 927

Delta R.T. -0.01 min

Lab File: BN002411.D

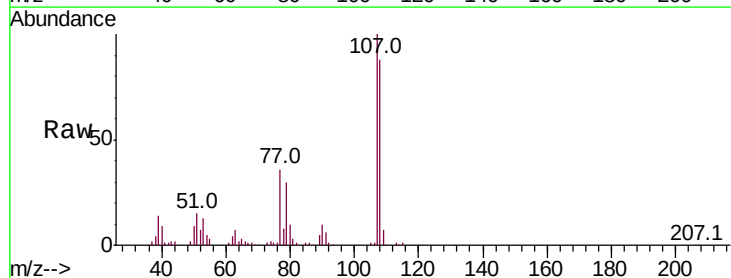
Acq: 18 Aug 2018 10:27

Tgt Ion:108 Resp: 262860

Ion Ratio Lower Upper

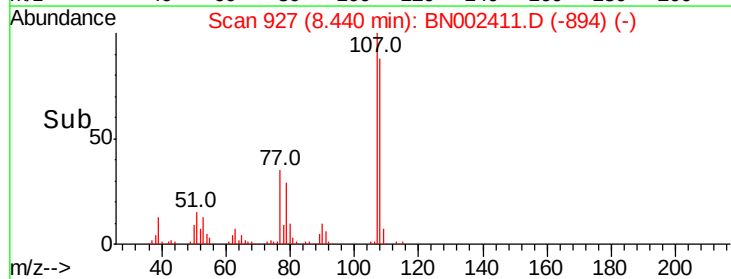
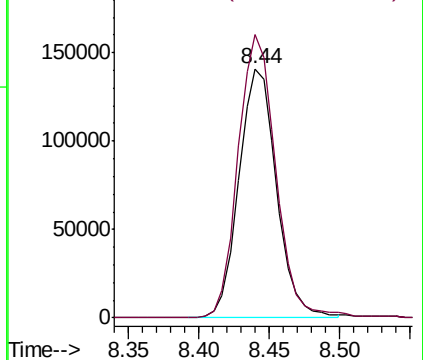
108 100

107 113.6 90.3 135.5

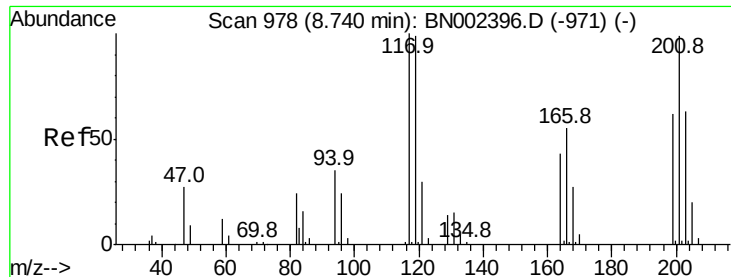


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



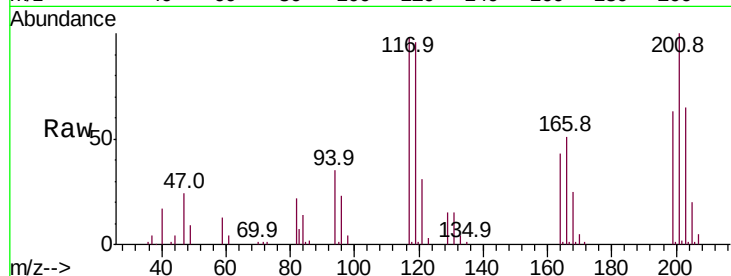




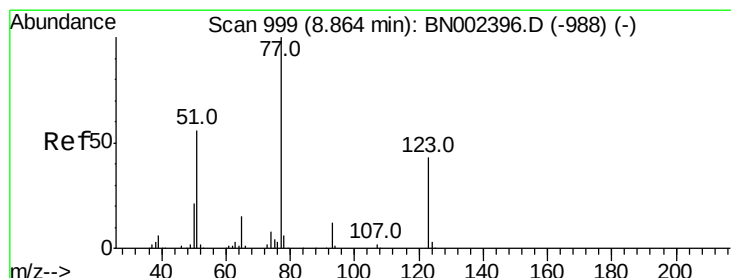
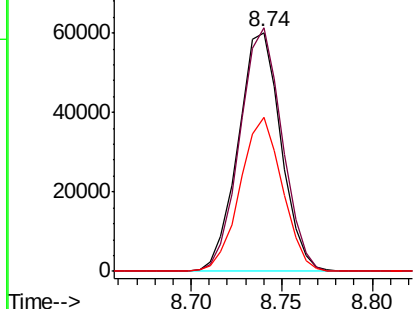
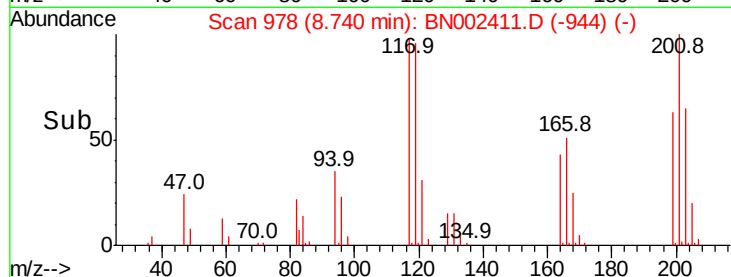
#17  
Hexachloroethane  
Concen: 20.754 ng/ul  
RT: 8.74 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:117 Resp: 98959  
Ion Ratio Lower Upper  
117 100  
201 102.0 81.5 122.3  
199 64.4 50.6 76.0

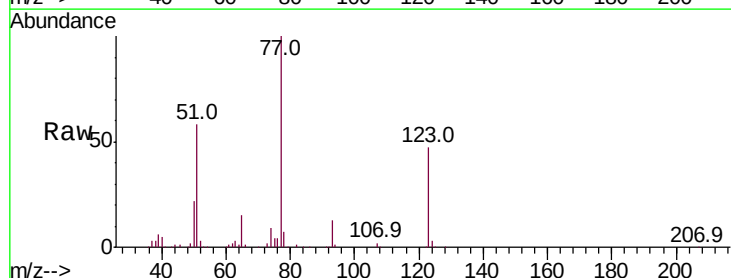


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

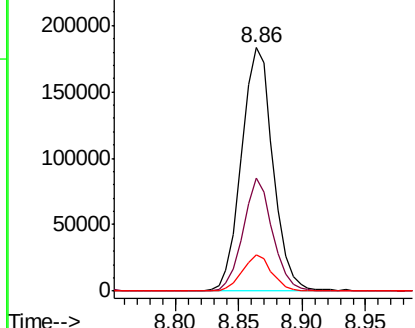
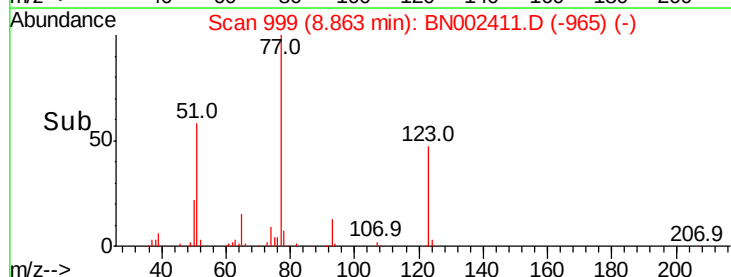


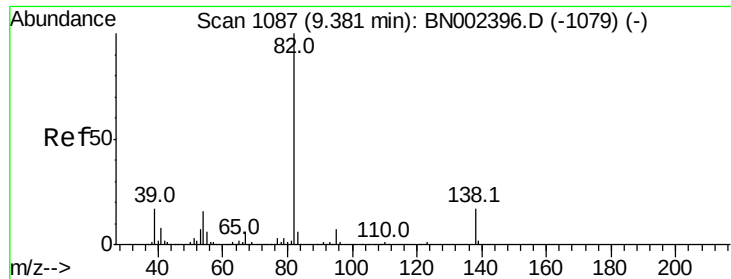
#20  
Nitrobenzene  
Concen: 21.468 ng/ul  
RT: 8.86 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion: 77 Resp: 317235  
Ion Ratio Lower Upper  
77 100  
123 46.5 39.0 58.4  
65 14.6 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BNC  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BNC





#21

Isophorone

Concen: 21.979 ng/ul

RT: 9.38 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

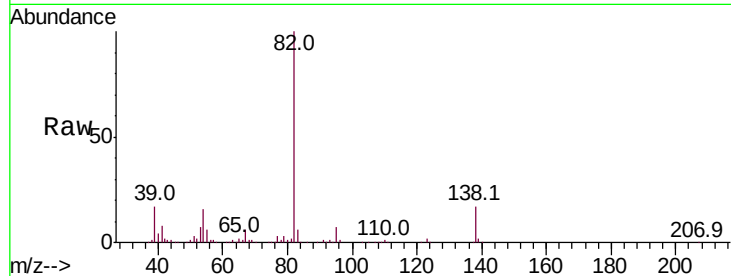
Tot Ion: 82 Resp: 626108

Ion Ratio Lower Upper

82 100

95 7.1 6.4 9.6

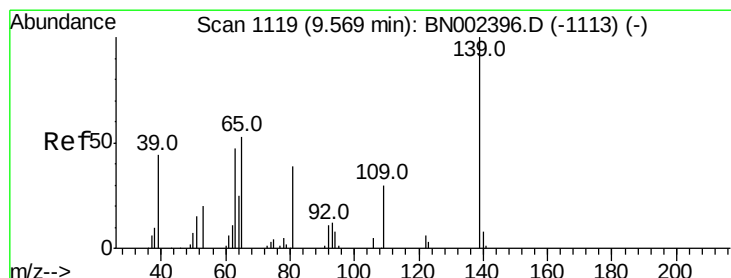
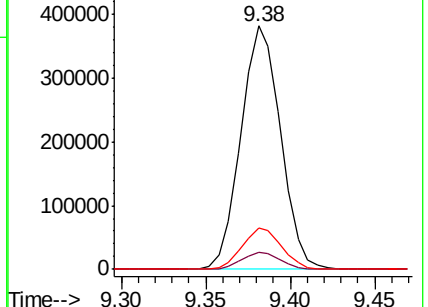
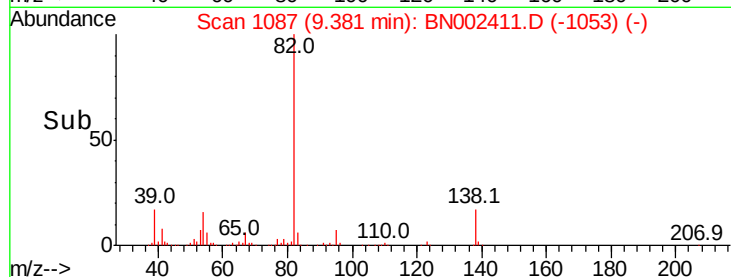
138 17.2 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BN002411.D (-1053) (-)

Ion 95.00 (94.70 to 95.70): BN002411.D (-1053) (-)

Ion 138.00 (137.70 to 138.70): BN002411.D (-1053) (-)



#23

2-Nitrophenol

Concen: 21.972 ng/ul

RT: 9.57 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

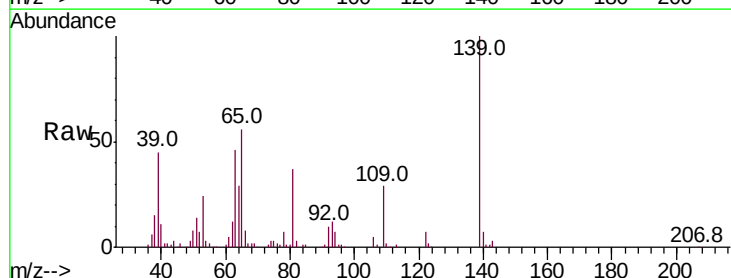
Tgt Ion: 139 Resp: 149964

Ion Ratio Lower Upper

139 100

65 55.9 36.3 54.5#

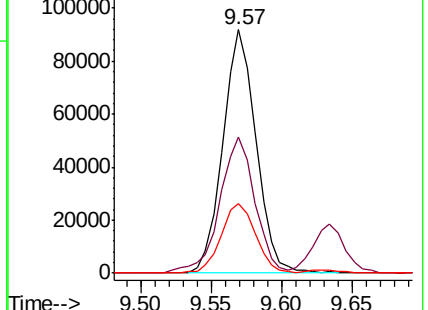
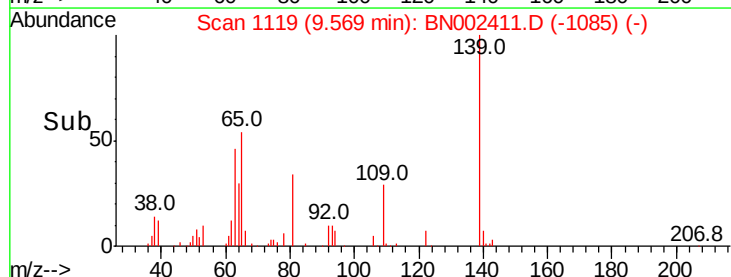
109 28.7 26.4 39.6

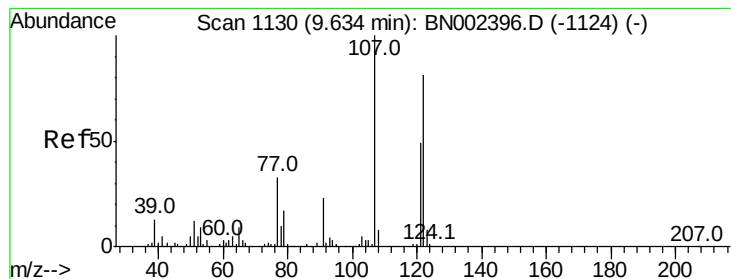


Abundance Ion 139.00 (138.70 to 139.70): BN002411.D (-1085) (-)

Ion 65.00 (64.70 to 65.70): BN002411.D (-1085) (-)

Ion 109.00 (108.70 to 109.70): BN002411.D (-1085) (-)





#24

2,4-Dimethylphenol

Concen: 21.869 ng/ul

RT: 9.63 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampled :

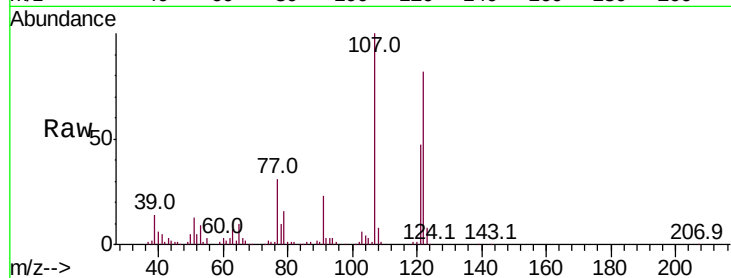
Tot Ion:107 Resp: 306079

Ion Ratio Lower Upper

107 100

121 47.4 40.6 61.0

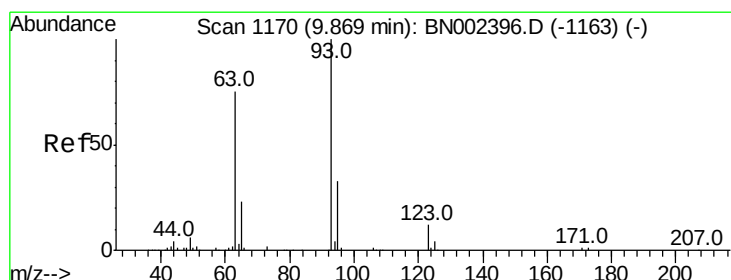
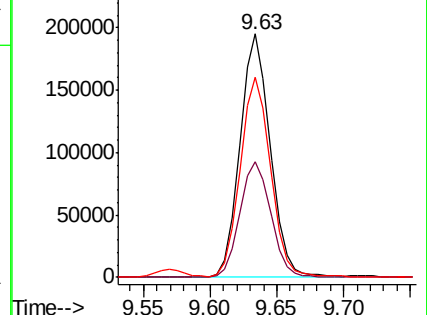
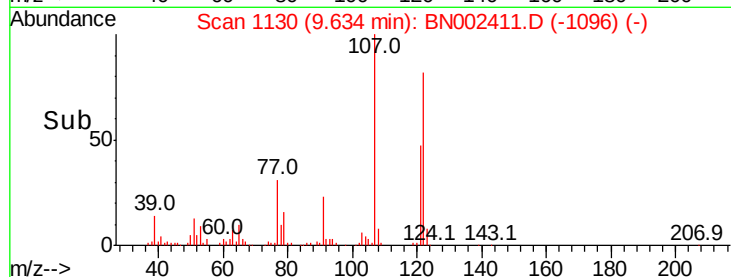
122 82.2 67.8 101.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 21.253 ng/ul

RT: 9.87 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

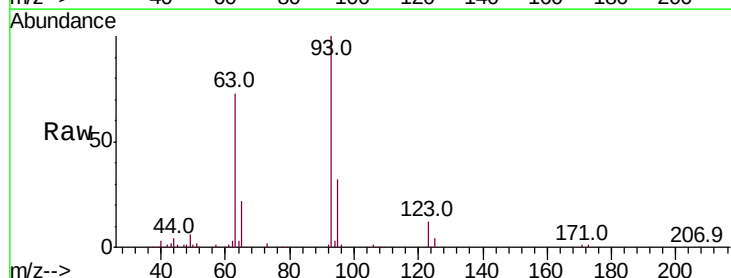
Tgt Ion: 93 Resp: 356701

Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

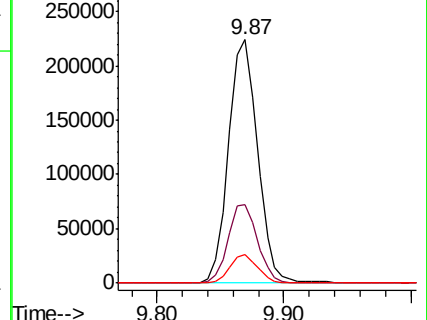
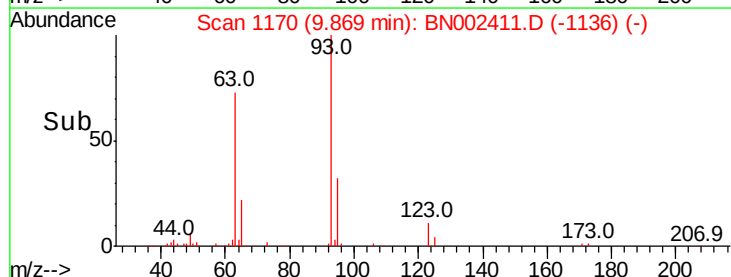
123 11.5 9.8 14.8

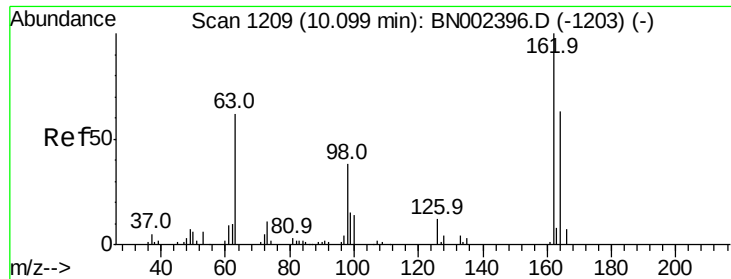


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

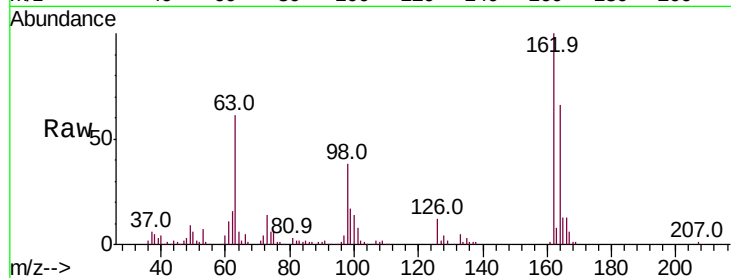




#27  
 2,4-Dichlorophenol  
 Concen: 21.455 ng/ul  
 RT: 10.10 min Scan# 1209  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.5  | 52.1  | 78.1  |
| 98      | 37.8  | 28.4  | 42.6  |

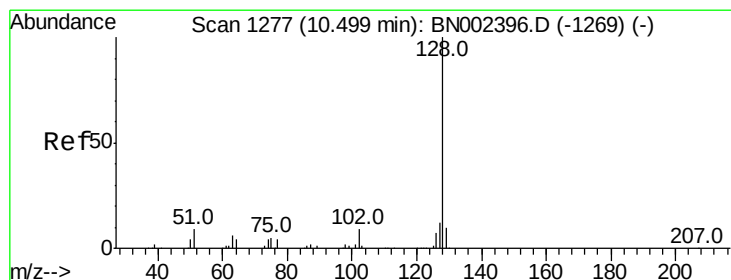
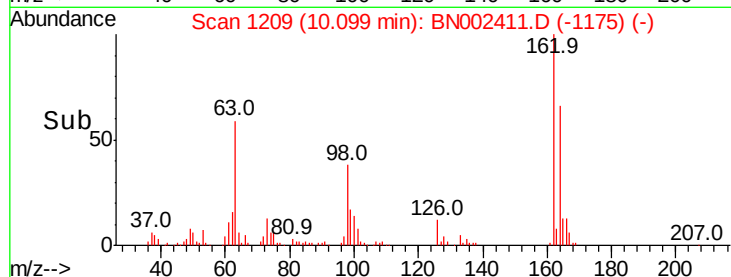
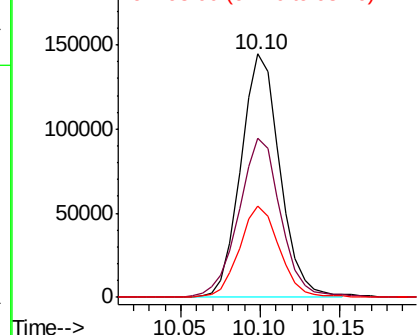


Abundance

Ion 162.00 (161.70 to 162.70): E

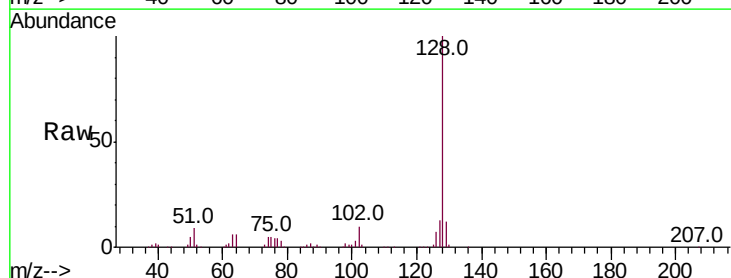
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#28  
 Naphthalene  
 Concen: 21.174 ng/ul  
 RT: 10.49 min Scan# 1276  
 Delta R.T. -0.01 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.5  | 8.8   | 13.2  |
| 127     | 12.6  | 10.5  | 15.7  |

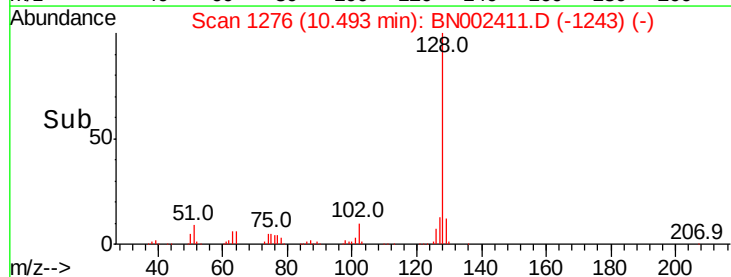
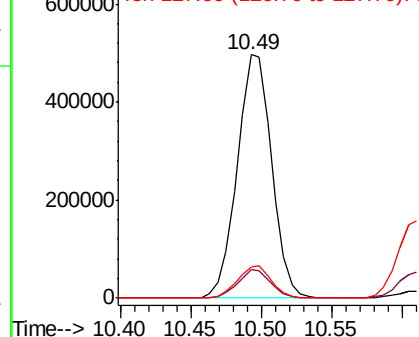


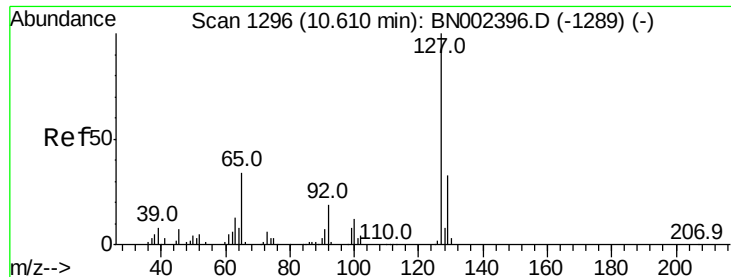
Abundance

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

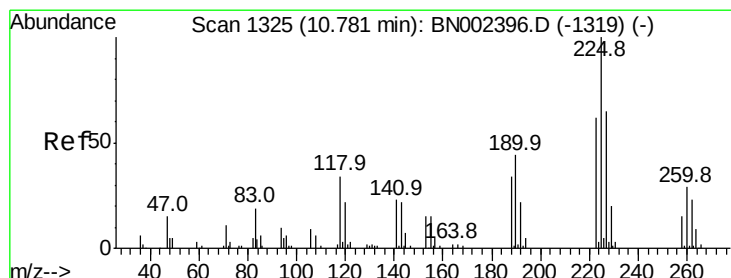
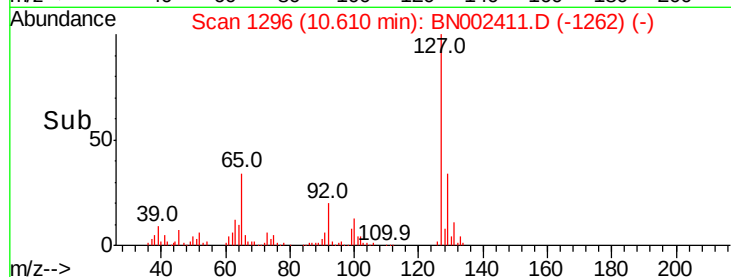
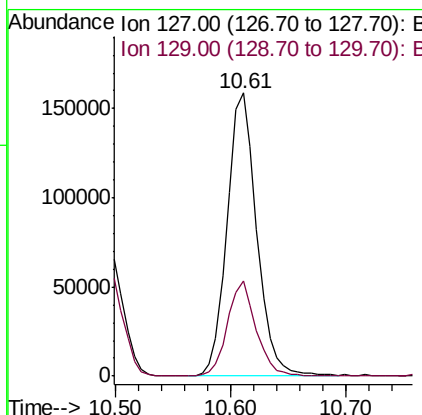
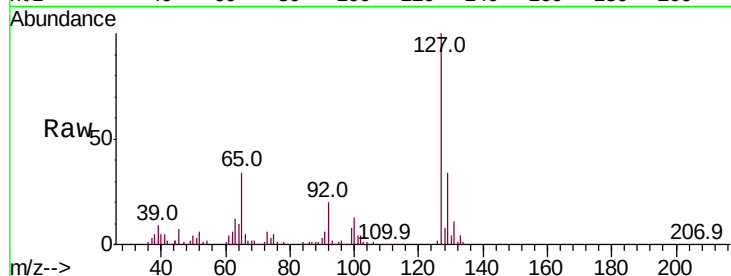




#30  
4-Chloroaniline  
Concen: 21.705 ng/ul  
RT: 10.61 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

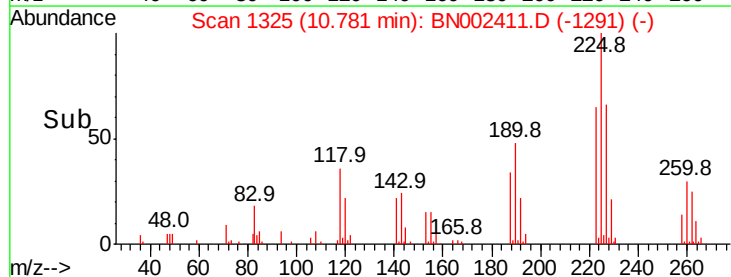
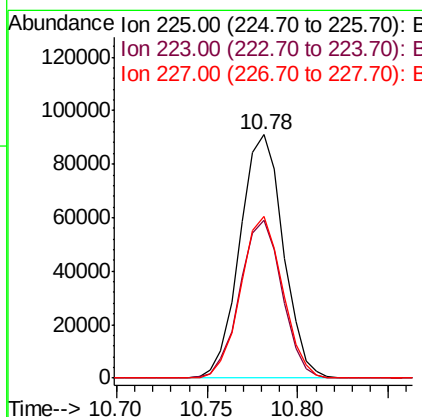
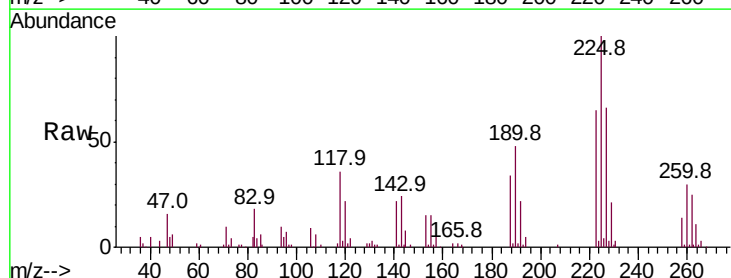
Instrument :  
BNA\_N  
ClientSampleId :

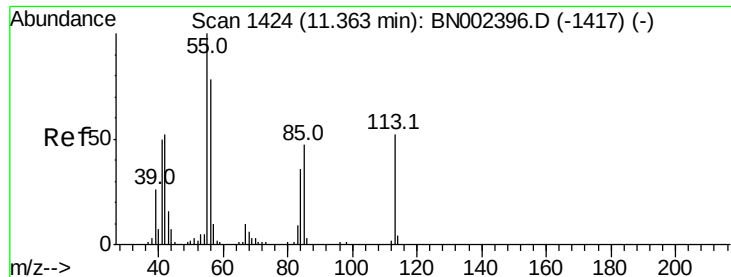
Tot Ion:127 Resp: 283027  
Ion Ratio Lower Upper  
127 100  
129 33.7 25.4 38.2



#31  
Hexachlorobutadiene  
Concen: 20.806 ng/ul  
RT: 10.78 min Scan# 1325  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:225 Resp: 151321  
Ion Ratio Lower Upper  
225 100  
223 65.0 51.4 77.2  
227 66.4 50.7 76.1





#32

Caprolactam

Concen: 12.541 ng/ul

RT: 11.36 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

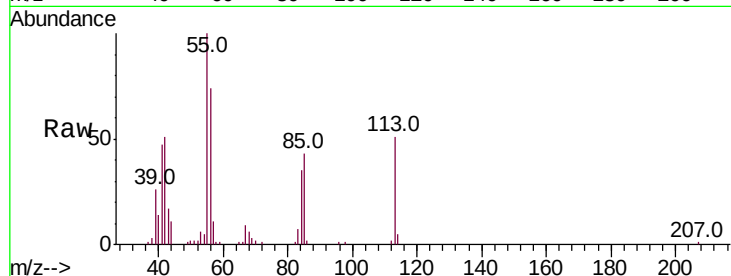
Tot Ion:113 Resp: 54434

Ion Ratio Lower Upper

113 100

55 194.2 101.9 152.9#

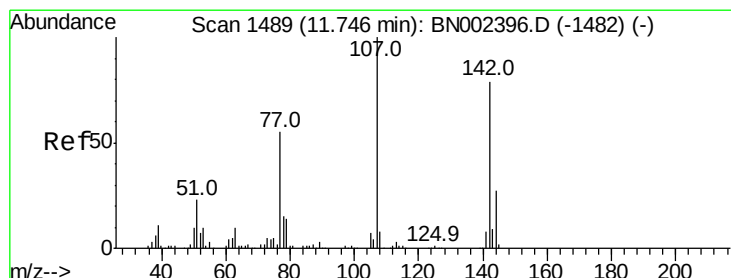
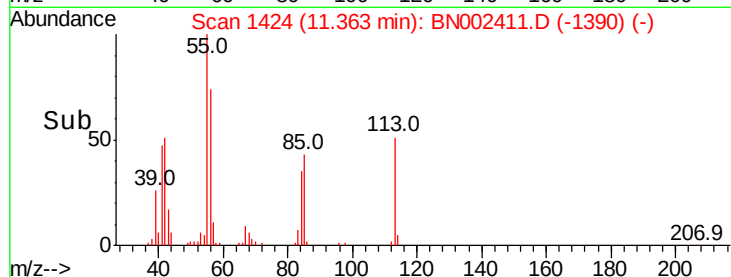
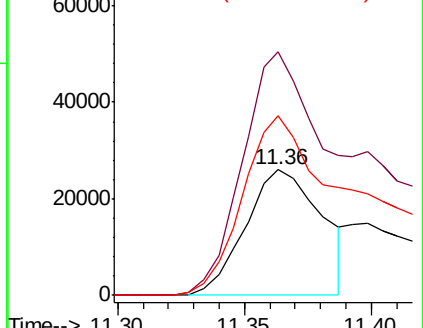
56 142.9 81.2 121.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#33

4-Chloro-3-methylphenol

Concen: 21.816 ng/ul

RT: 11.74 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

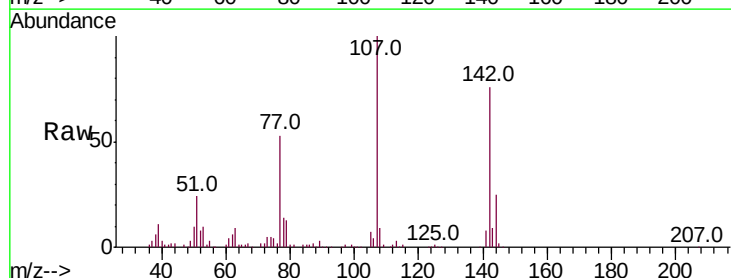
Tgt Ion:107 Resp: 290051

Ion Ratio Lower Upper

107 100

144 24.9 20.4 30.6

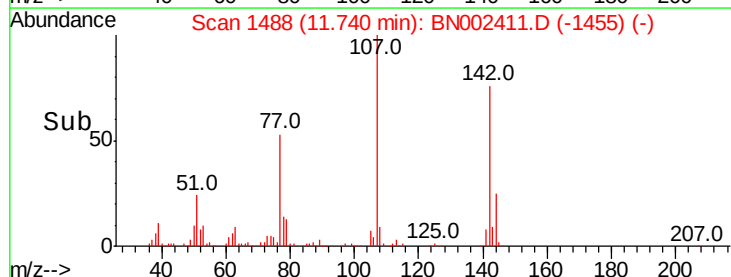
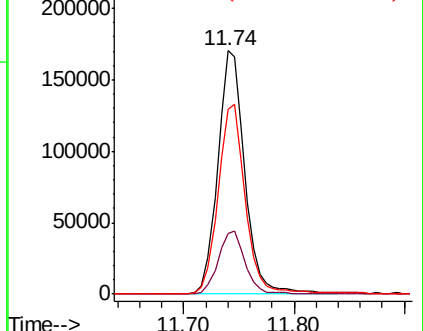
142 76.0 62.5 93.7

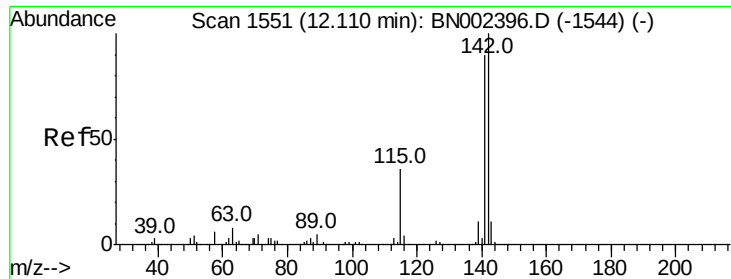


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

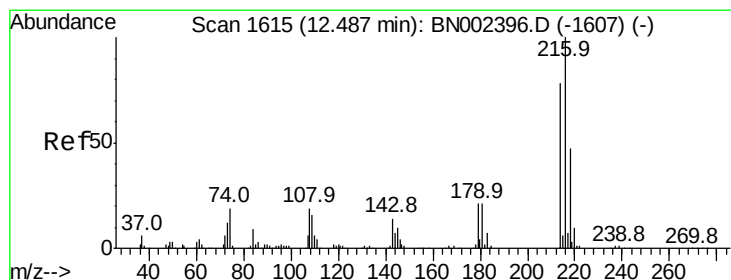
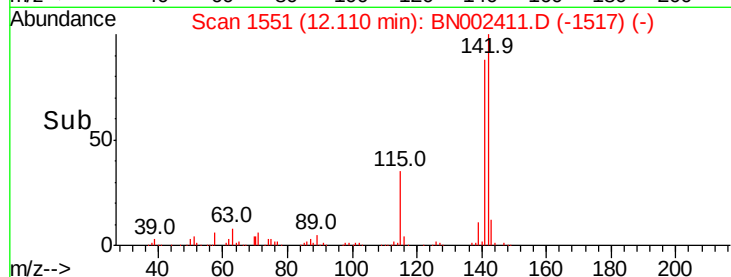
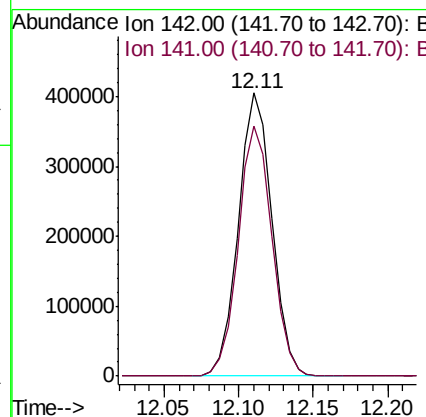
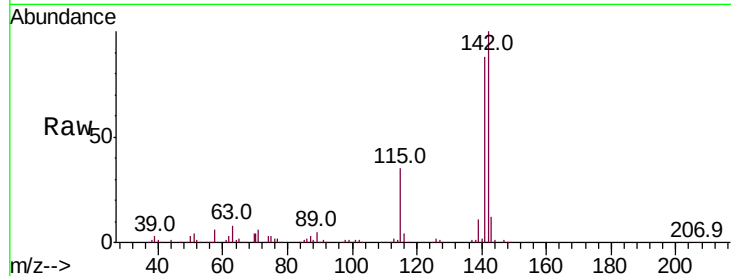




#34  
 2-Methylnaphthalene  
 Concen: 21.461 ng/ul  
 RT: 12.11 min Scan# 1551  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

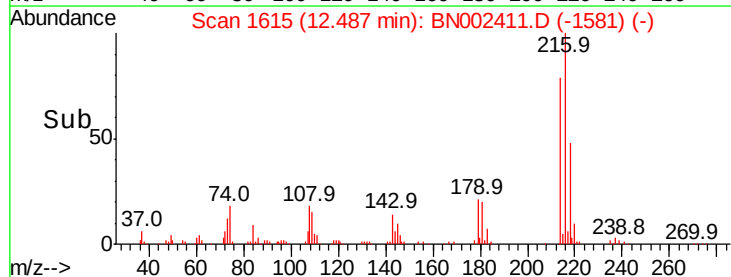
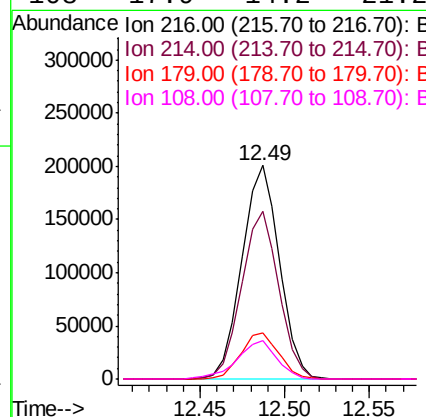
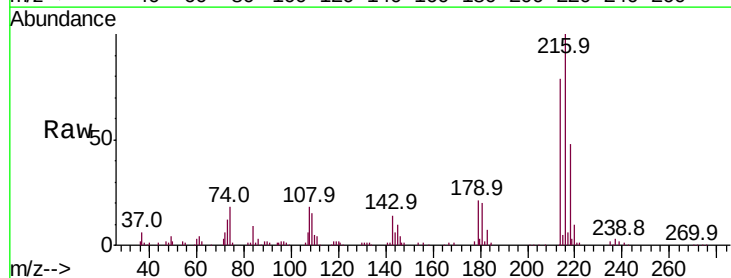
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:142 Resp: 632182  
 Ion Ratio Lower Upper  
 142 100  
 141 88.3 71.6 107.4

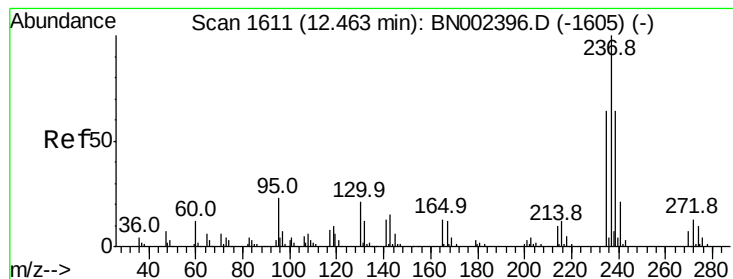


#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 21.142 ng/ul  
 RT: 12.49 min Scan# 1615  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Tgt Ion:216 Resp: 310673  
 Ion Ratio Lower Upper  
 216 100  
 214 78.6 62.5 93.7  
 179 21.4 18.2 27.2  
 108 17.9 14.2 21.2







#37

Hexachlorocyclopentadiene

Concen: 18.428 ng/ul

RT: 12.46 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampled :

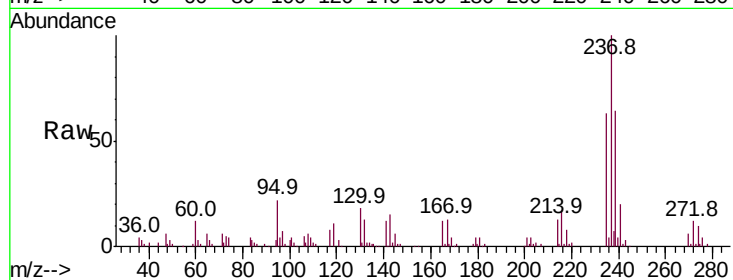
Tot Ion:237 Resp: 164493

Ion Ratio Lower Upper

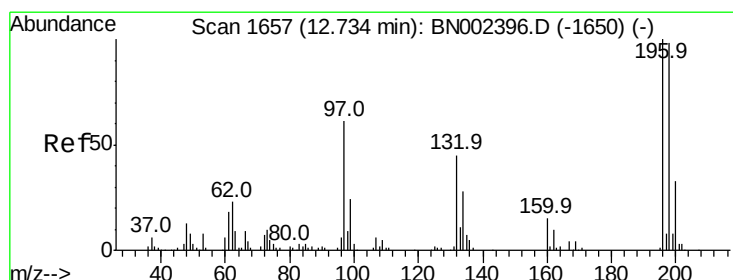
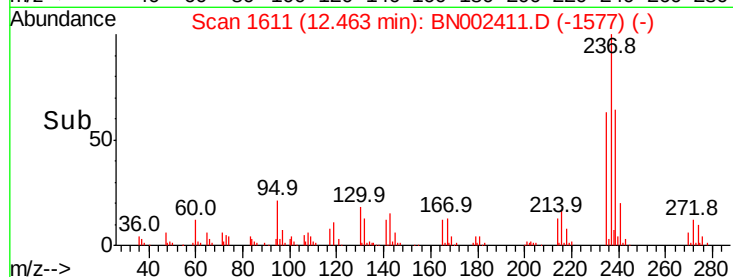
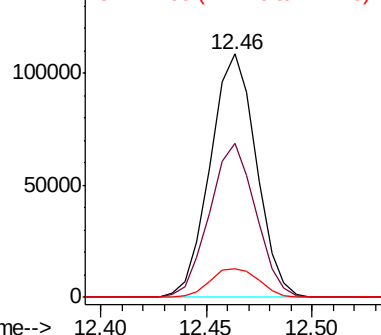
237 100

235 63.2 50.4 75.6

272 11.8 9.6 14.4



Abundance Ion 237.00 (236.70 to 237.70): E  
Ion 235.00 (234.70 to 235.70): E  
Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 21.495 ng/ul

RT: 12.73 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

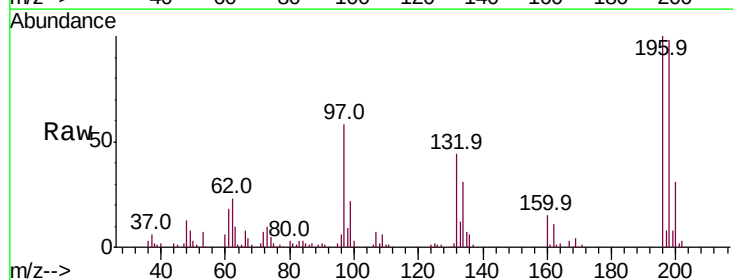
Tgt Ion:196 Resp: 203386

Ion Ratio Lower Upper

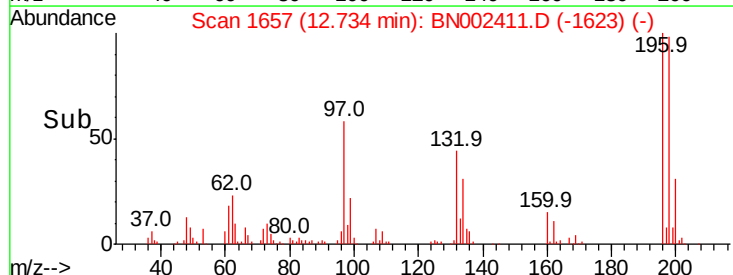
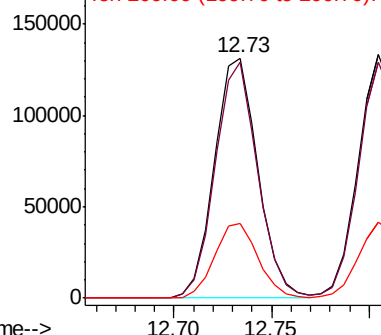
196 100

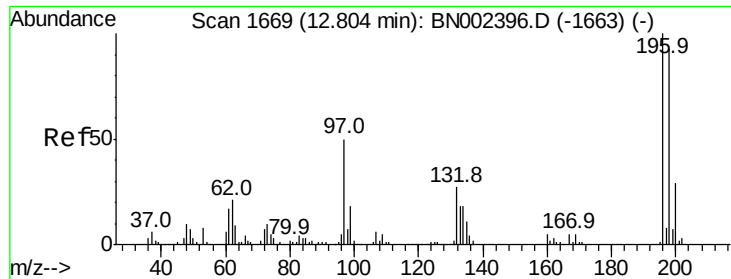
198 98.4 76.6 114.8

200 31.2 24.7 37.1



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

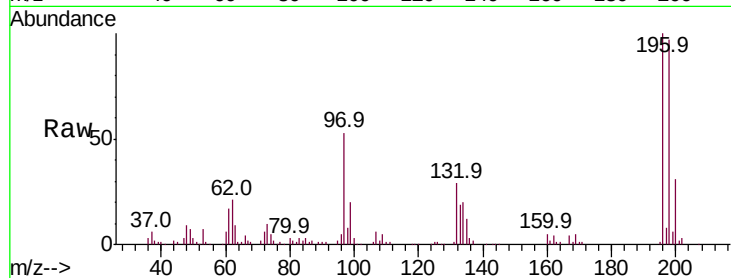




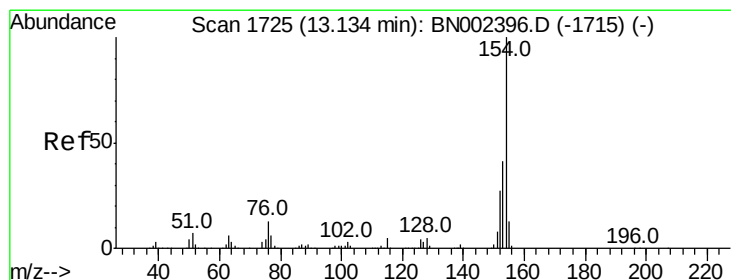
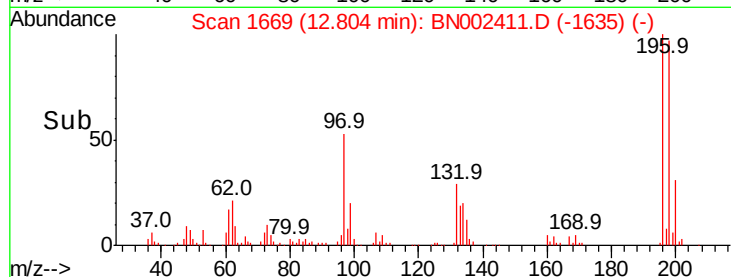
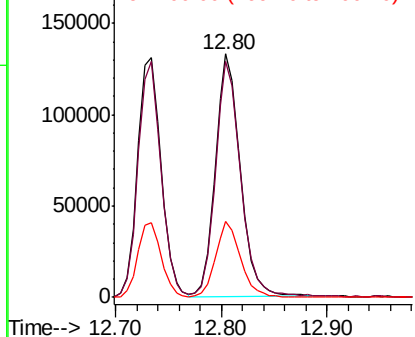
#39  
 2,4,5-Trichlorophenol  
 Concen: 21.800 ng/ul  
 RT: 12.80 min Scan# 1669  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.0  | 76.9  | 115.3 |
| 200     | 31.0  | 25.0  | 37.4  |

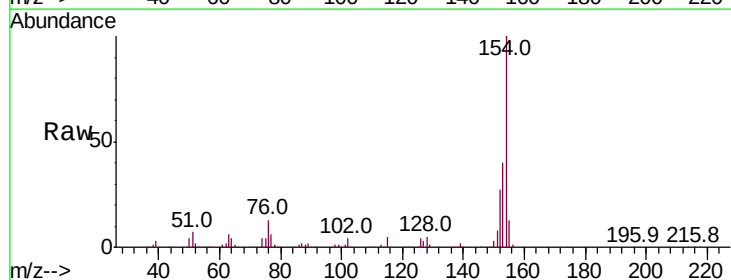


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

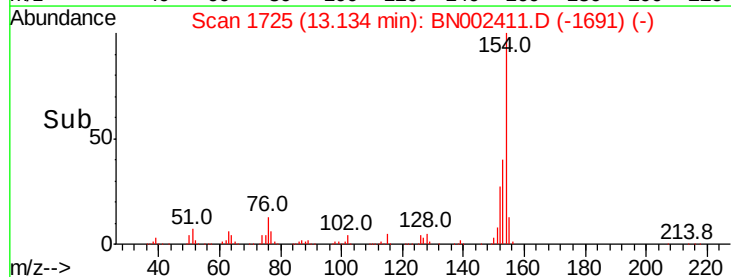
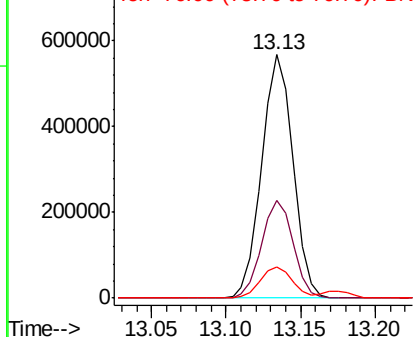


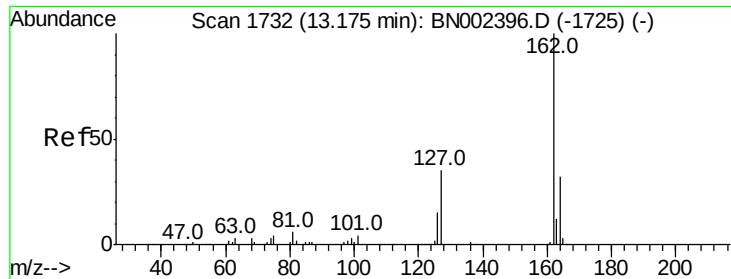
#40  
 1,1'-Biphenyl  
 Concen: 21.234 ng/ul  
 RT: 13.13 min Scan# 1725  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.9  | 32.1  | 48.1  |
| 76      | 12.9  | 9.5   | 14.3  |



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): BNO

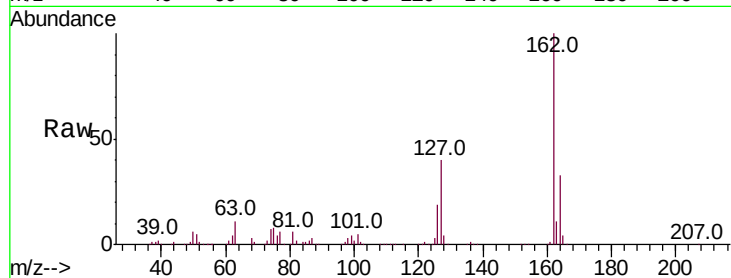




#41  
2-Chloronaphthalene  
Concen: 21.173 ng/ul  
RT: 13.17 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Instrument :  
BNA\_N  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 33.0  | 25.9  | 38.9  |
| 127     | 40.3  | 34.1  | 51.1  |

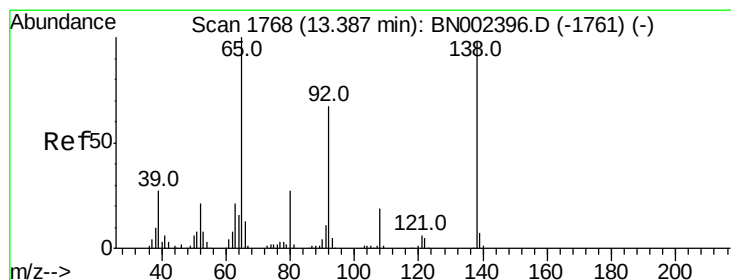
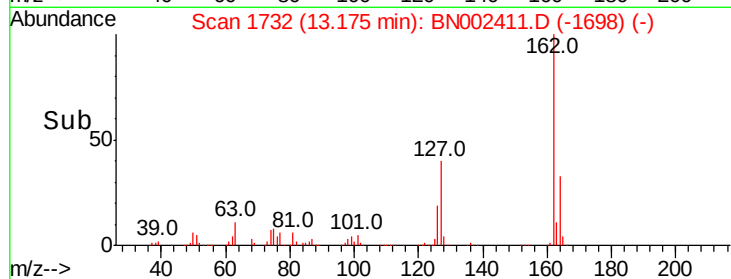
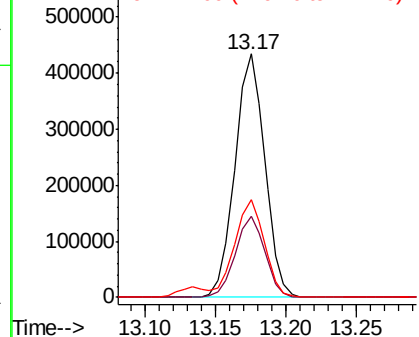


Abundance

Ion 162.00 (161.70 to 162.70): E

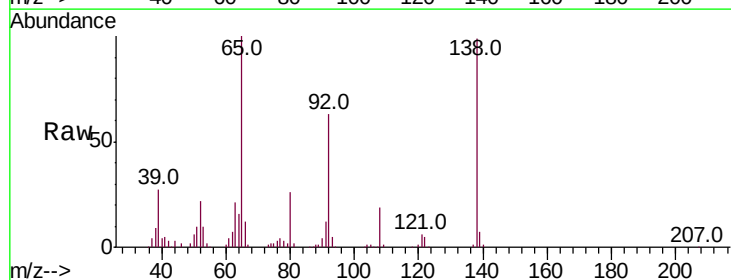
Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#42  
2-Nitroaniline  
Concen: 22.319 ng/ul  
RT: 13.39 min Scan# 1768  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 63.1  | 60.4  | 90.6   |
| 138     | 98.6  | 99.8  | 149.6# |

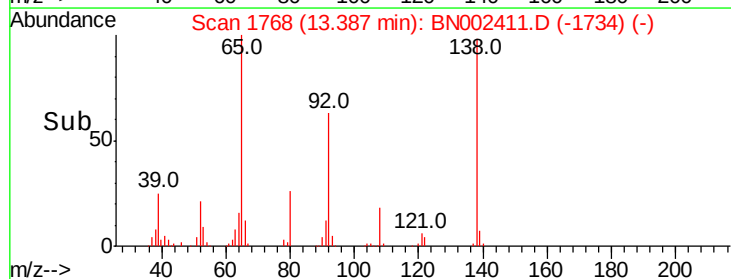
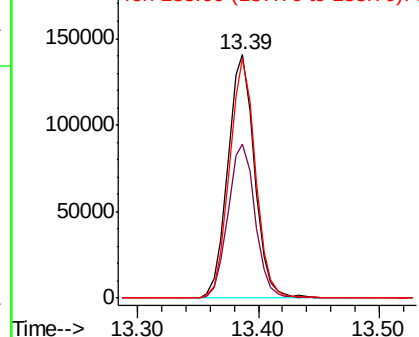


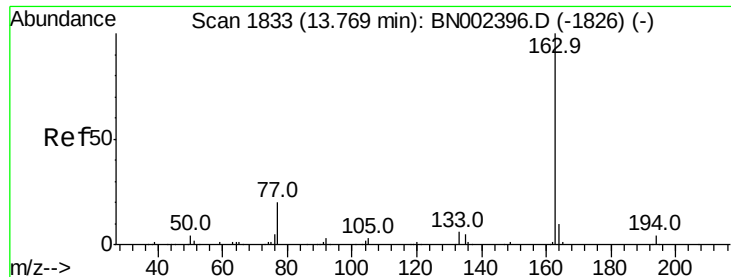
Abundance

Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC

Ion 138.00 (137.70 to 138.70): E

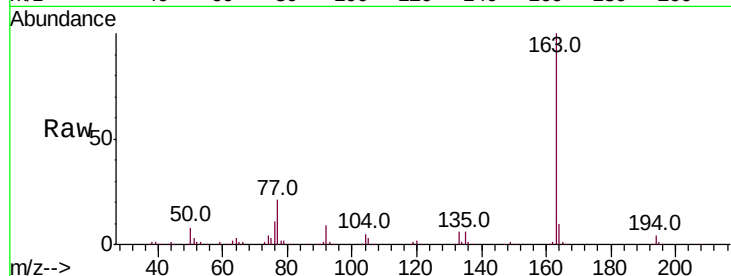




#44  
Dimethylphthalate  
Concen: 21.019 ng/ul  
RT: 13.77 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.2   | 4.8   |
| 164     | 10.2  | 7.8   | 11.8  |

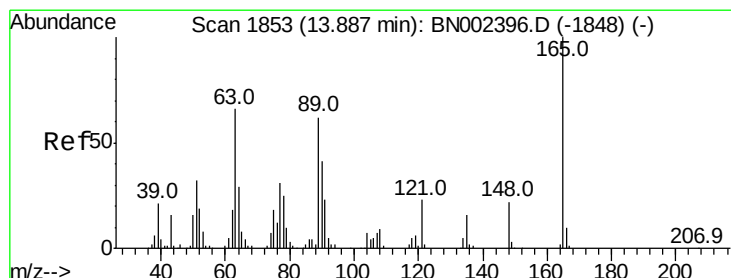
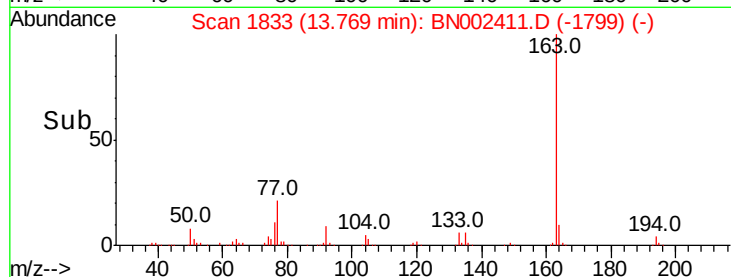
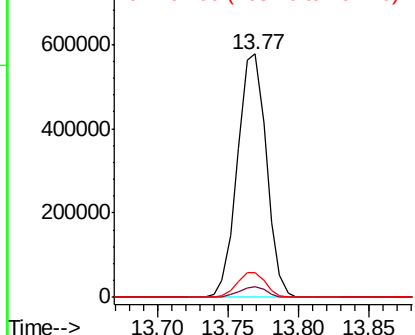


Abundance

Ion 163.00 (162.70 to 163.70): E

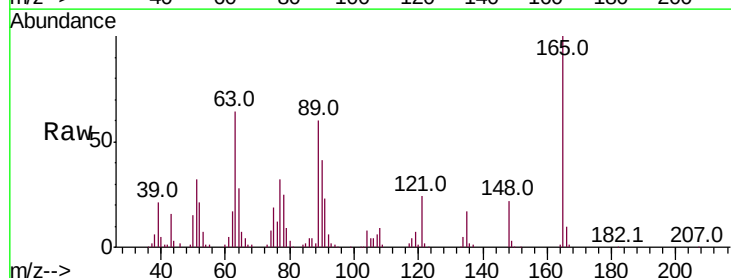
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45  
2,6-Dinitrotoluene  
Concen: 21.760 ng/ul  
RT: 13.89 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 59.8  | 42.4  | 63.6  |
| 121     | 24.3  | 16.6  | 24.8  |

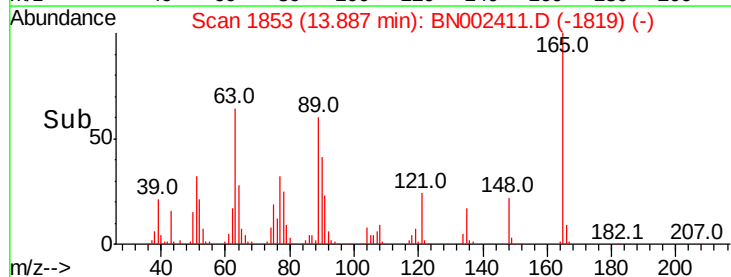
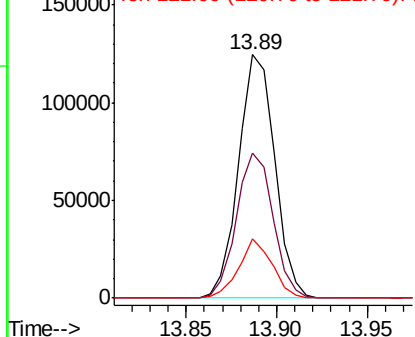


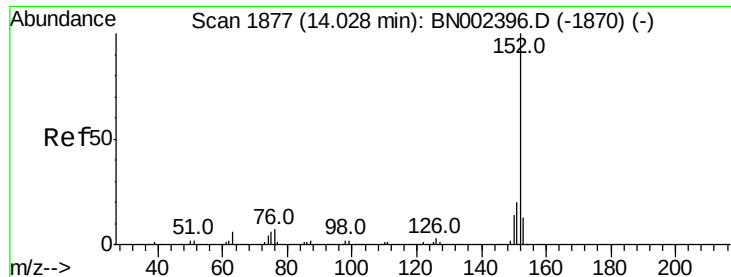
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNO

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 21.449 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

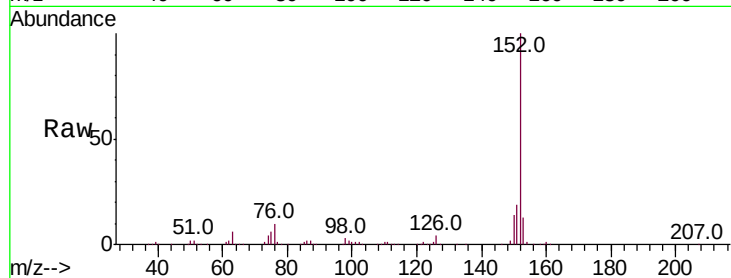
Instrument :

BNA\_N

ClientSampled :

Tot Ion:152 Resp: 1007457

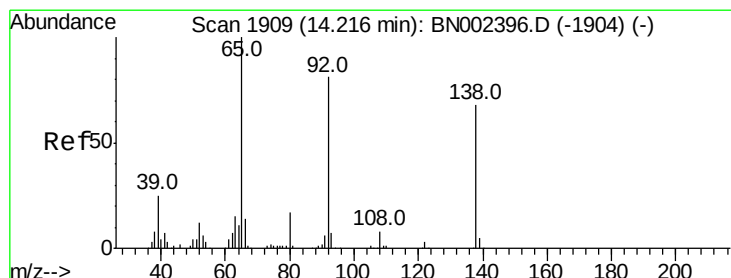
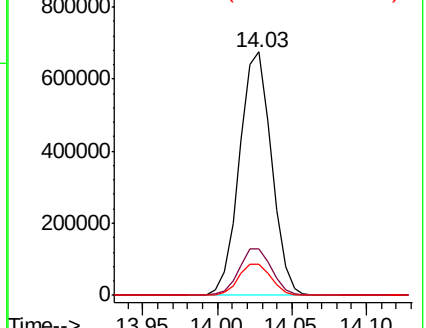
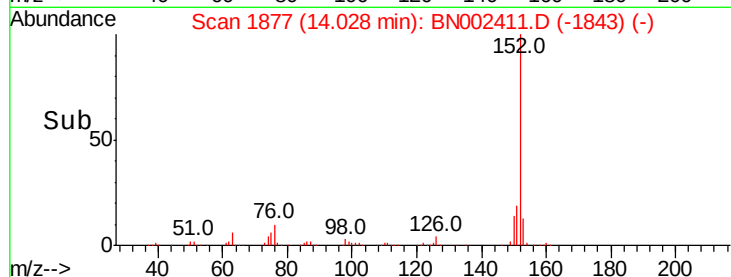
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.3  | 15.7  | 23.5  |
| 153 | 12.8  | 10.5  | 15.7  |



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 21.647 ng/ul

RT: 14.22 min Scan# 1909

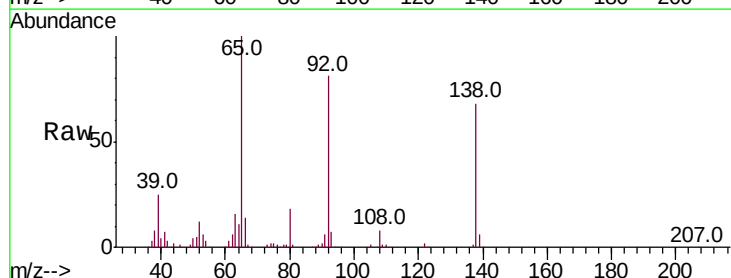
Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Tgt Ion:138 Resp: 164122

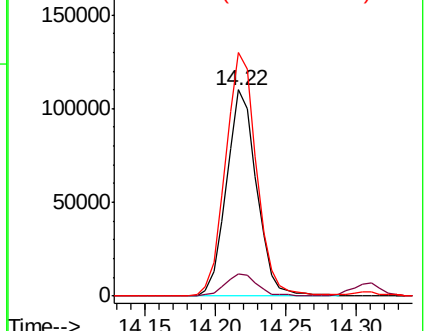
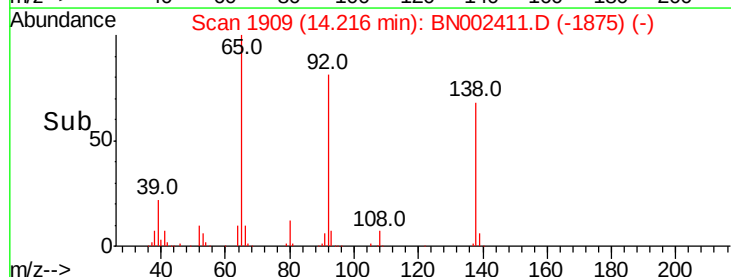
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 11.1  | 8.7   | 13.1  |
| 92  | 118.3 | 88.2  | 132.4 |

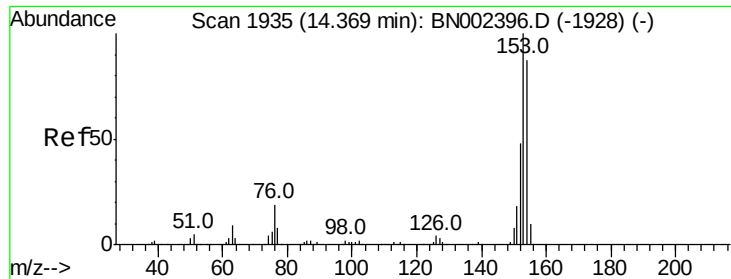


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO





#49

Acenaphthene

Concen: 21.397 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

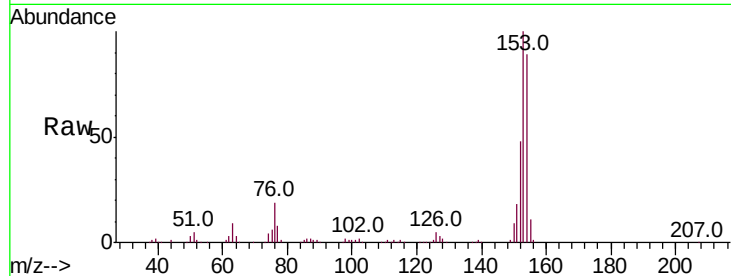
Tot Ion:153 Resp: 708965

Ion Ratio Lower Upper

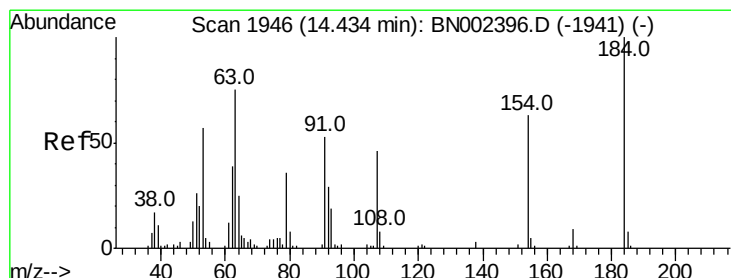
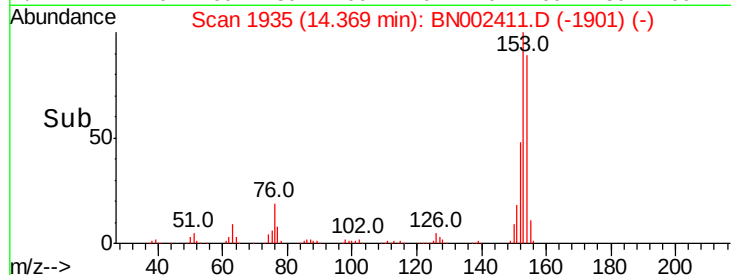
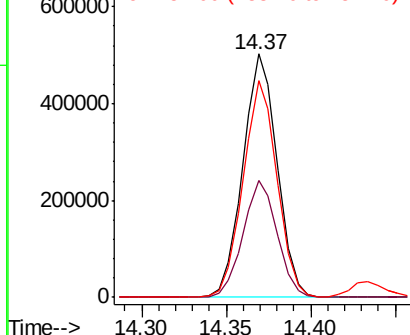
153 100

152 48.0 38.3 57.5

154 88.9 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 17.021 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

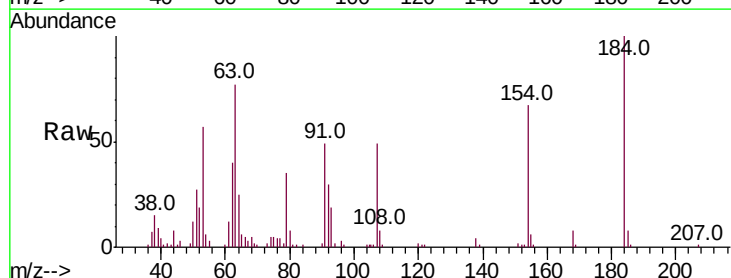
Tgt Ion:184 Resp: 81147

Ion Ratio Lower Upper

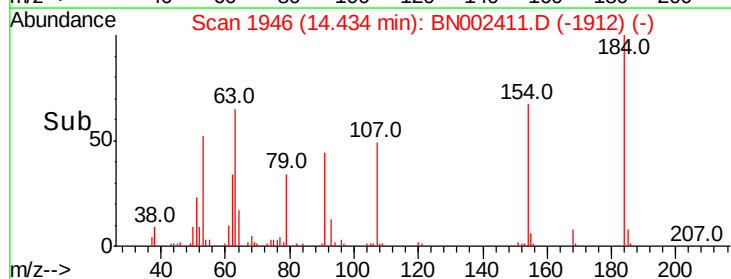
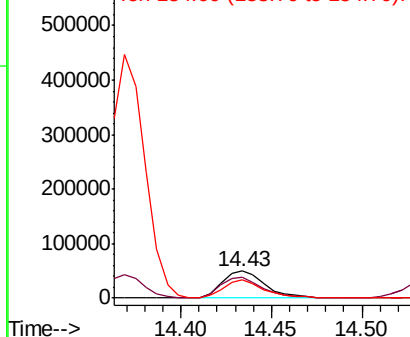
184 100

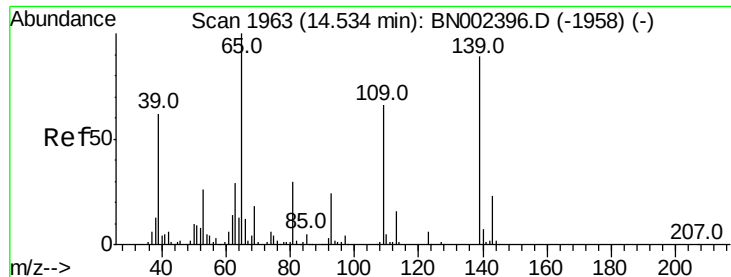
63 76.8 76.0 114.0

154 67.5 300.0 450.0#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BN0  
Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 20.655 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

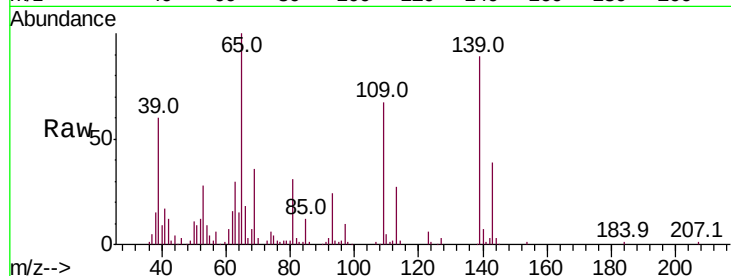
Tot Ion:109 Resp: 119007

Ion Ratio Lower Upper

109 100

139 132.6 103.7 155.5

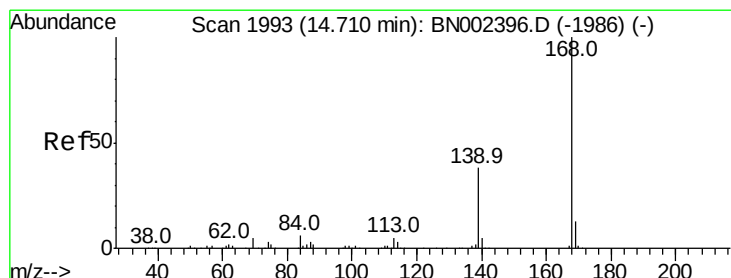
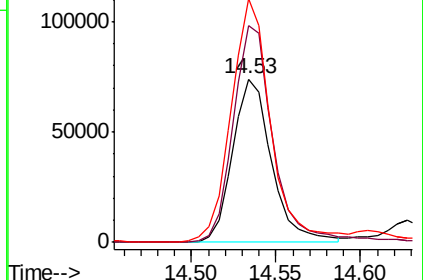
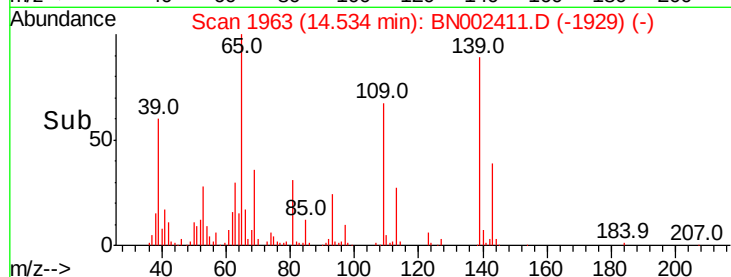
65 149.0 89.4 134.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO



#53

Dibenzofuran

Concen: 21.173 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BN002411.D

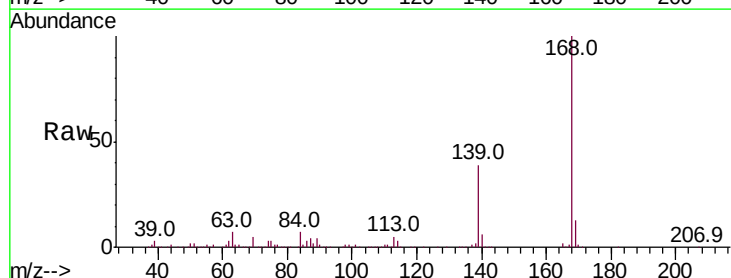
Acq: 18 Aug 2018 10:27

Tgt Ion:168 Resp: 989686

Ion Ratio Lower Upper

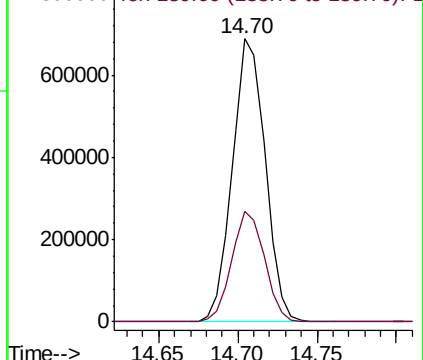
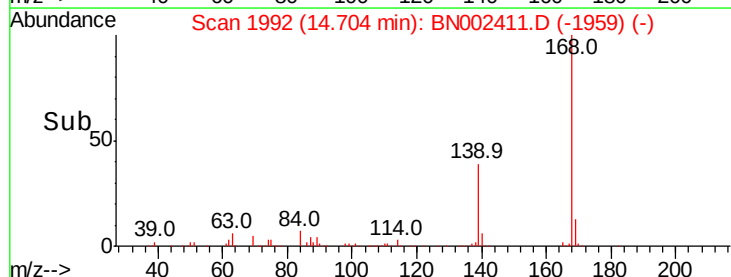
168 100

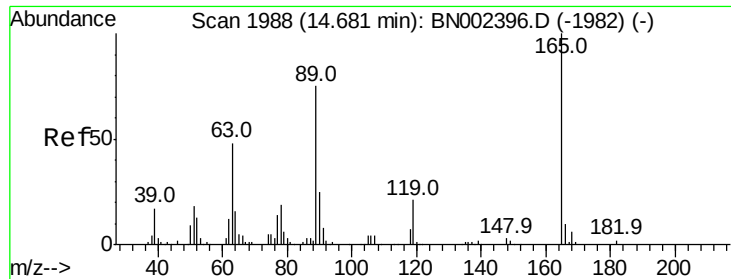
139 39.1 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

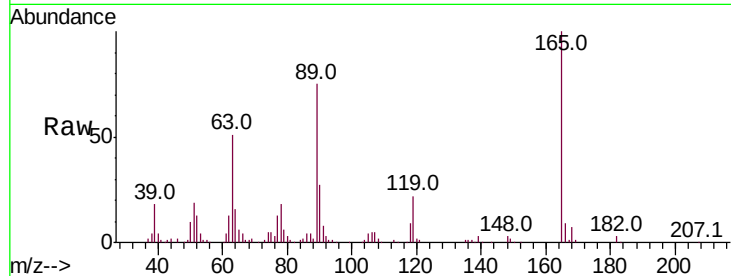




#54  
 2,4-Dinitrotoluene  
 Concen: 21.762 ng/ul  
 RT: 14.68 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 50.7  | 29.8  | 44.6# |
| 182     | 3.1   | 2.2   | 3.4   |

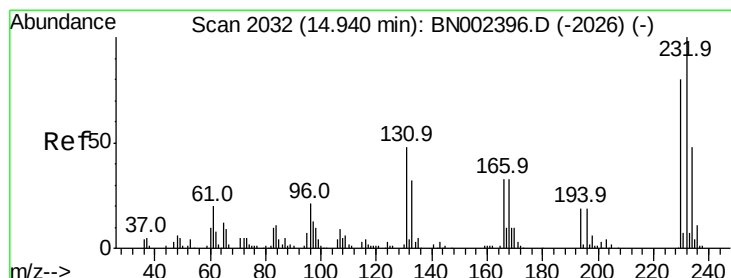
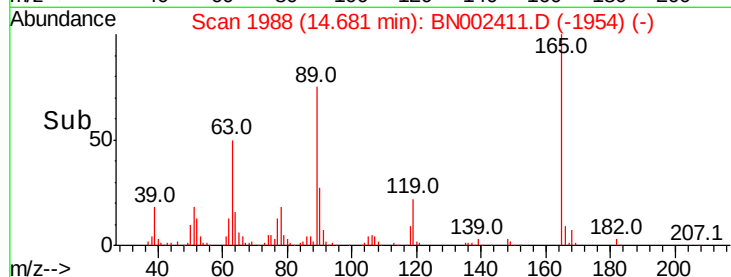
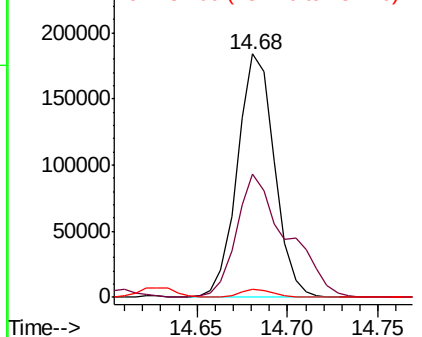


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 21.939 ng/ul  
 RT: 14.94 min Scan# 2032  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 46.6  | 39.4  | 59.2  |
| 130     | 2.6   | 2.2   | 3.2   |
| 166     | 32.4  | 26.6  | 39.8  |

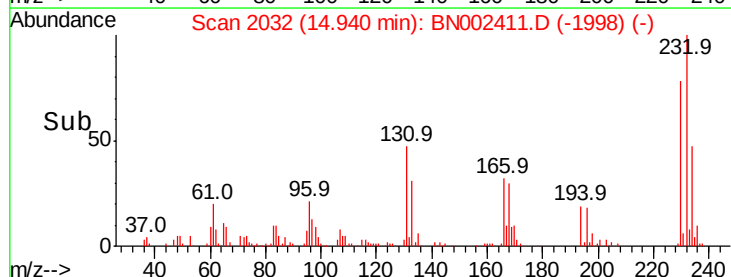
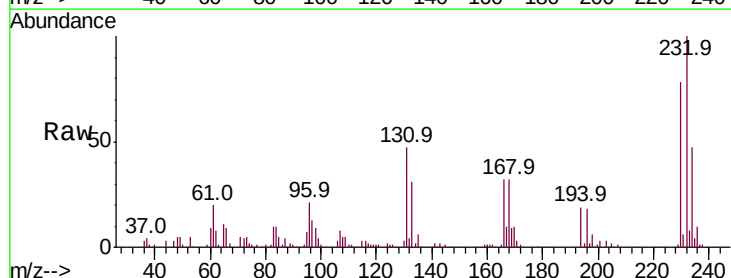
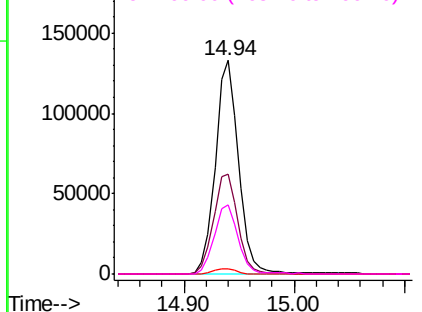
Abundance

Ion 232.00 (231.70 to 232.70): E

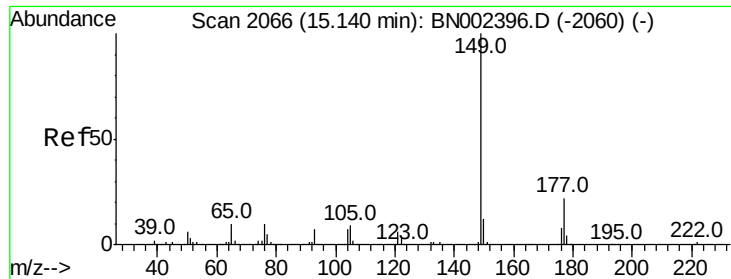
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



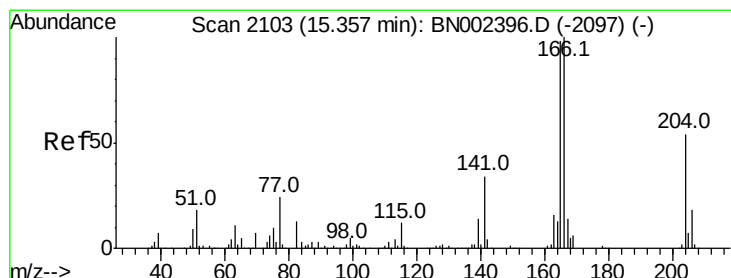
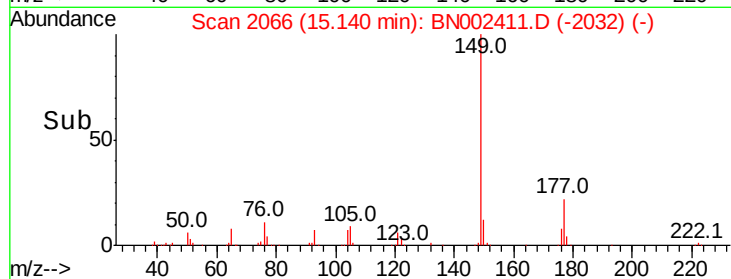
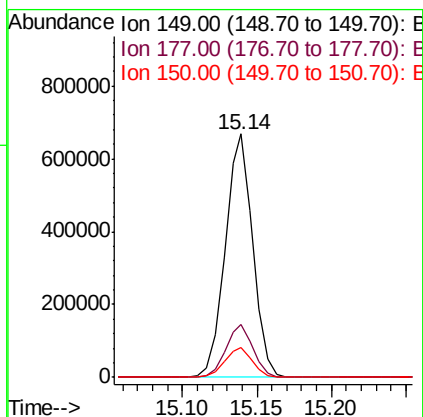
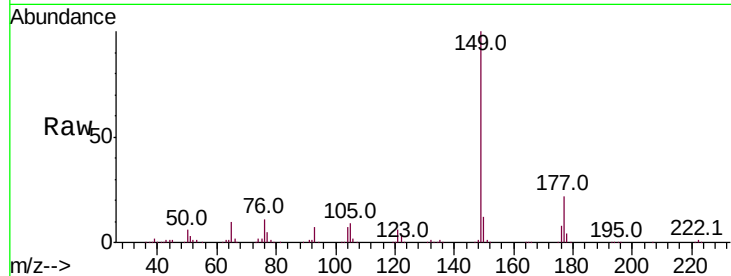




#56  
Diethylphthalate  
Concen: 21.423 ng/ul  
RT: 15.14 min Scan# 2066  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

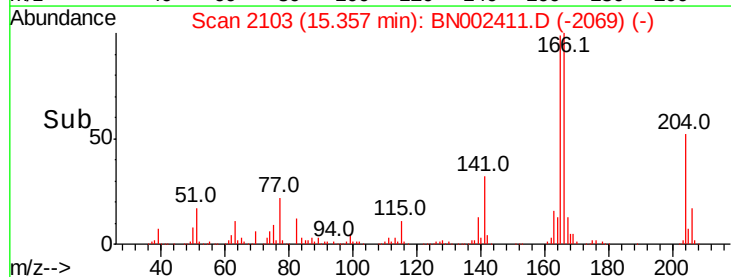
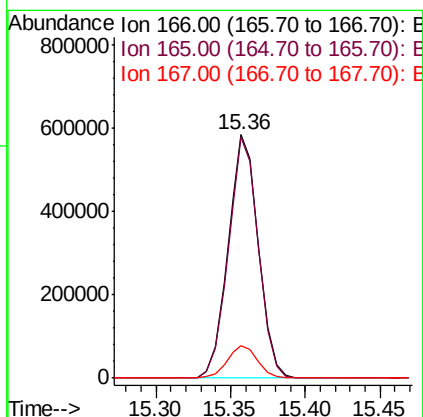
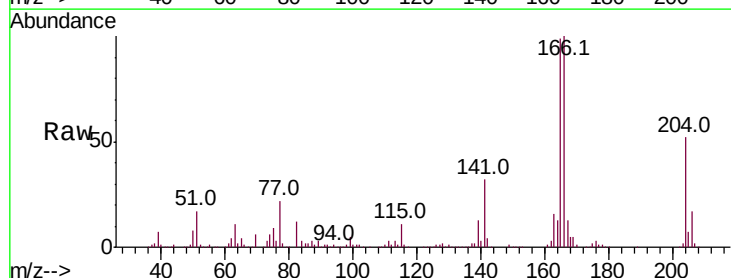
Instrument :  
BNA\_N  
ClientSampled :

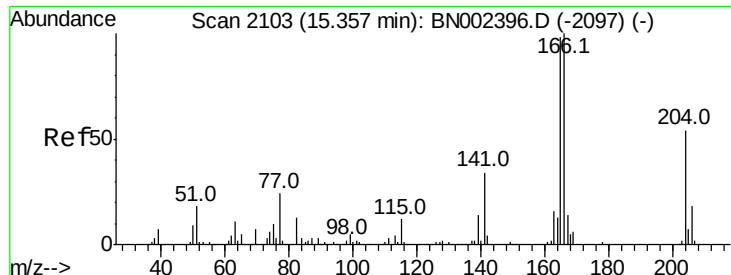
Tot Ion:149 Resp: 862097  
Ion Ratio Lower Upper  
149 100  
177 21.8 17.4 26.2  
150 12.1 10.0 15.0



#58  
Fluorene  
Concen: 21.505 ng/ul  
RT: 15.36 min Scan# 2103  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:166 Resp: 822419  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.5 117.7  
167 13.4 10.7 16.1

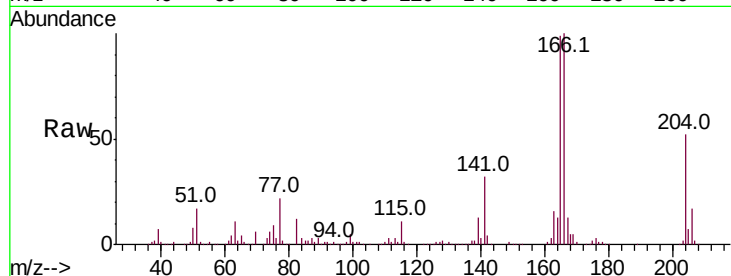




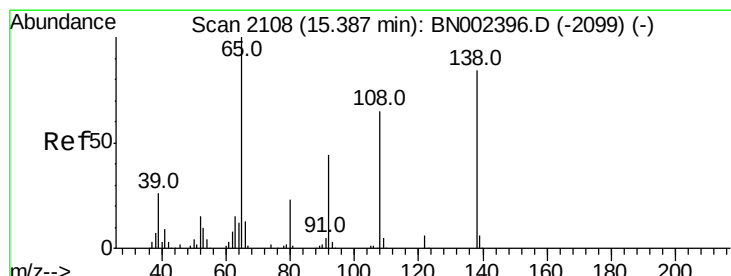
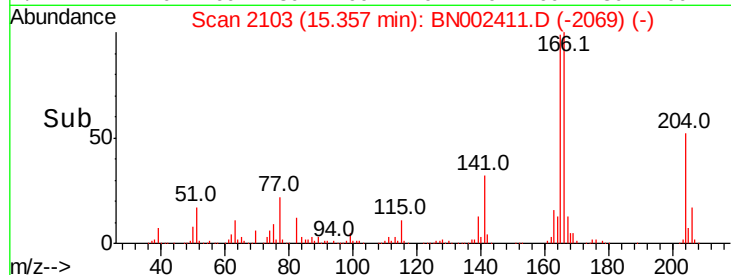
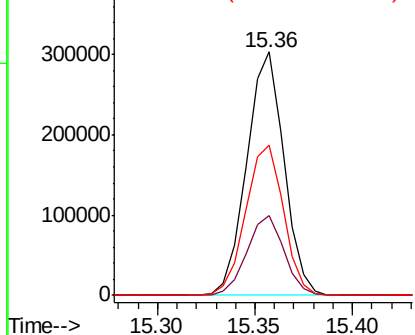
#59  
 4-Chlorophenyl-phenylether  
 Concen: 21.252 ng/ul  
 RT: 15.36 min Scan# 2103  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.2  | 39.4  |
| 141     | 61.7  | 54.6  | 81.8  |

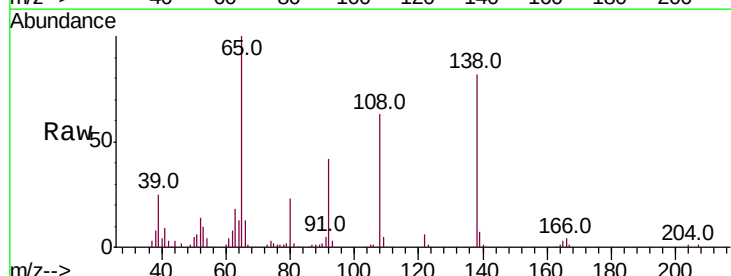


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

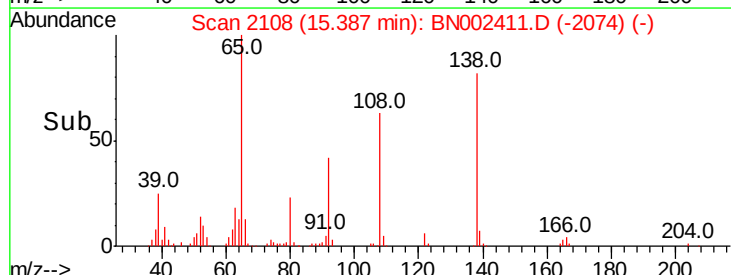
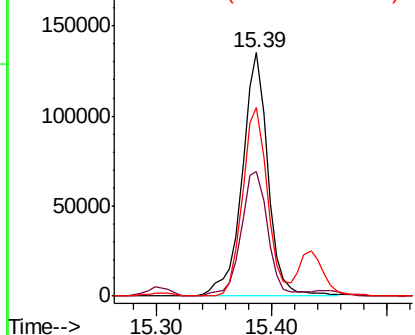


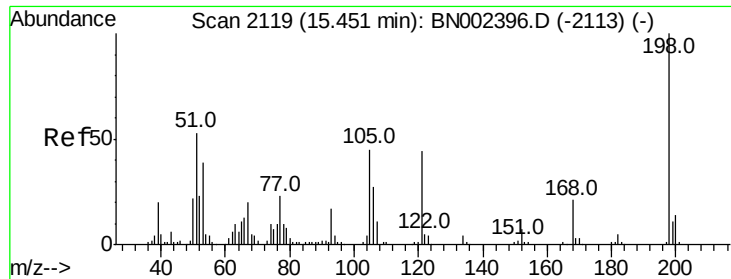
#60  
 4-Nitroaniline  
 Concen: 21.420 ng/ul  
 RT: 15.39 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.9  | 40.6  | 60.8  |
| 108     | 77.5  | 67.0  | 100.6 |



Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BNO  
 Ion 108.00 (107.70 to 108.70): E

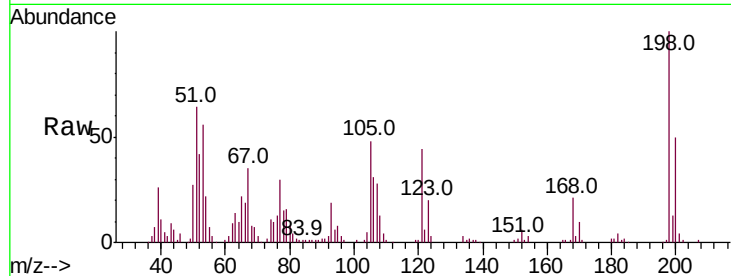




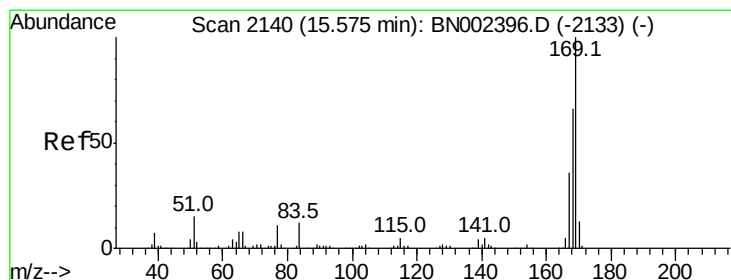
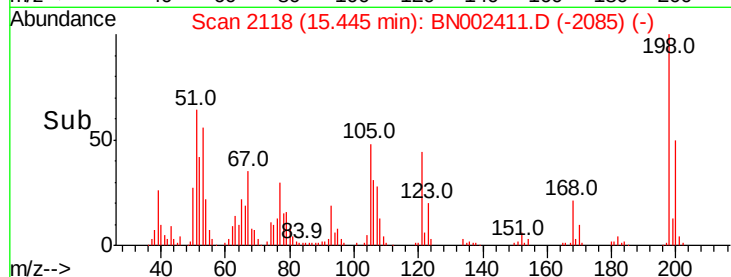
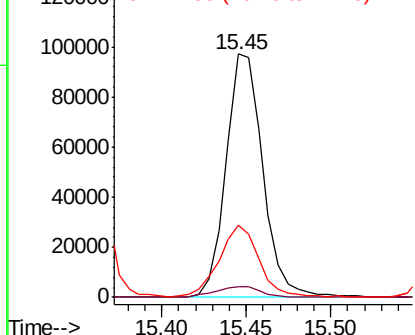
#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 19.725 ng/ul  
 RT: 15.45 min Scan# 2118  
 Delta R.T. -0.01 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:198 Resp: 147061  
 Ion Ratio Lower Upper  
 198 100  
 182 4.5 3.1 4.7  
 77 29.8 20.1 30.1

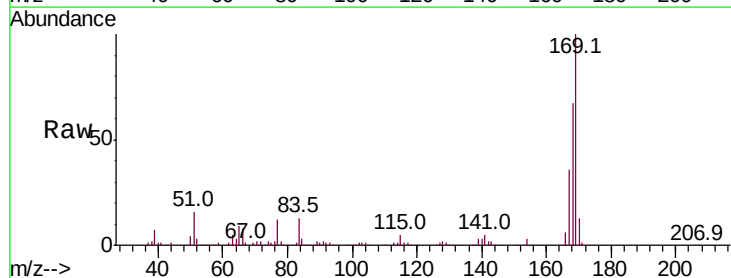


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): BNC

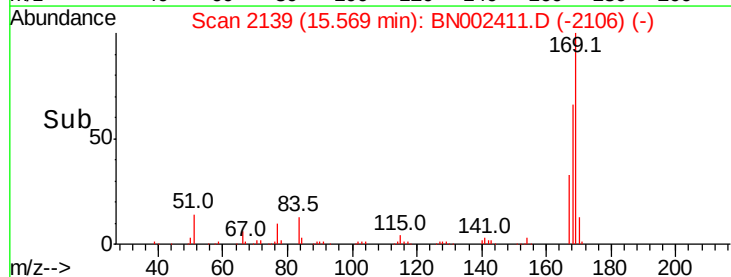
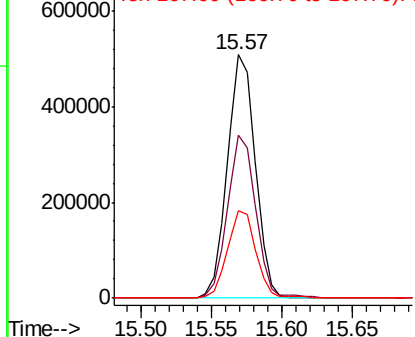


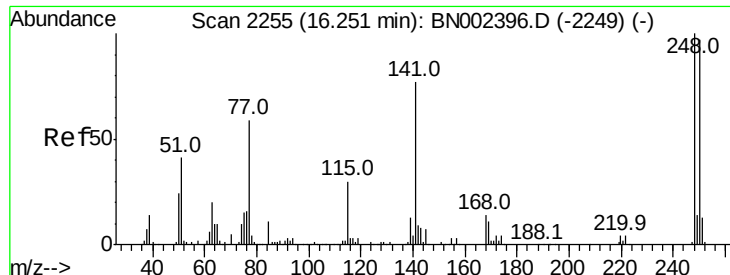
#64  
 N-Nitrosodiphenylamine  
 Concen: 21.111 ng/ul  
 RT: 15.57 min Scan# 2139  
 Delta R.T. -0.01 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Tgt Ion:169 Resp: 700222  
 Ion Ratio Lower Upper  
 169 100  
 168 66.7 53.8 80.8  
 167 35.8 29.3 43.9



Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

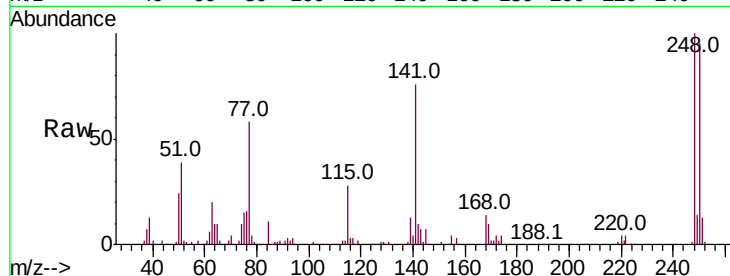




#65  
 4-Bromophenyl-phenylether  
 Concen: 21.229 ng/ul  
 RT: 16.25 min Scan# 2255  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

Instrument :  
 BNA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.4  | 78.7  | 118.1 |
| 141     | 76.0  | 72.2  | 108.2 |

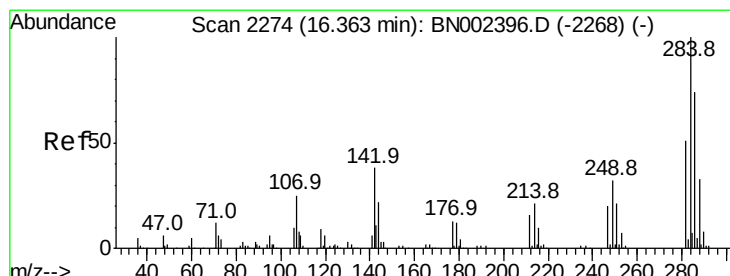
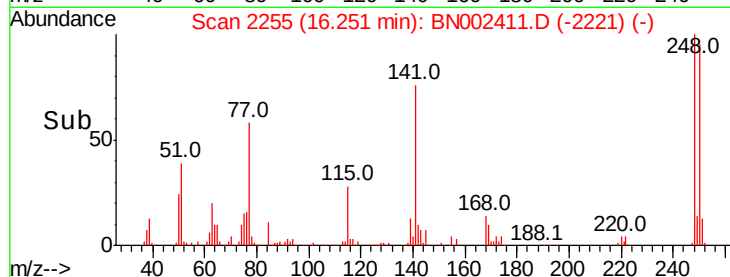
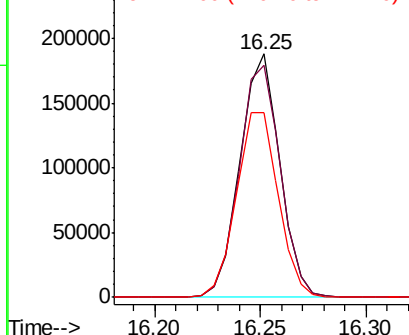


Abundance

Ion 248.00 (247.70 to 248.70): E

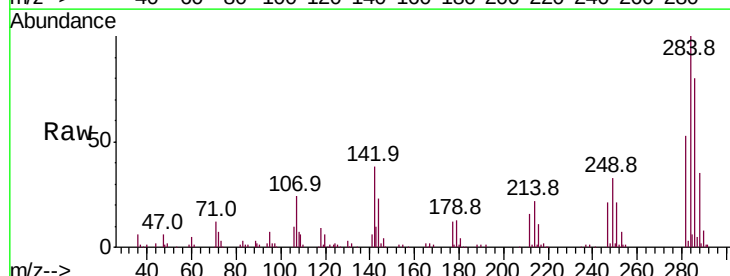
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#66  
 Hexachlorobenzene  
 Concen: 21.254 ng/ul  
 RT: 16.36 min Scan# 2274  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.8  | 33.1  | 49.7  |
| 249     | 32.9  | 27.1  | 40.7  |

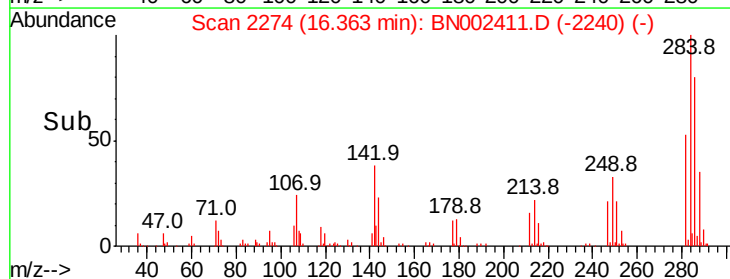
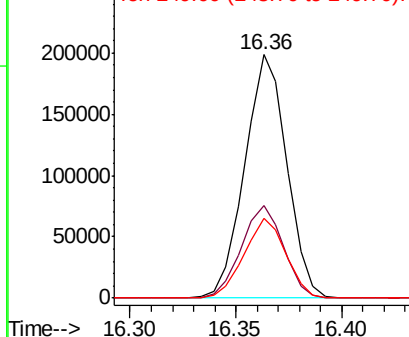


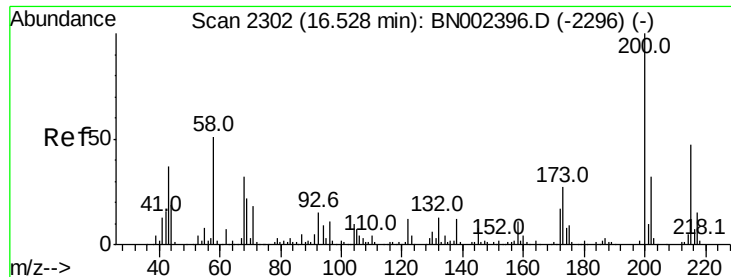
Abundance

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

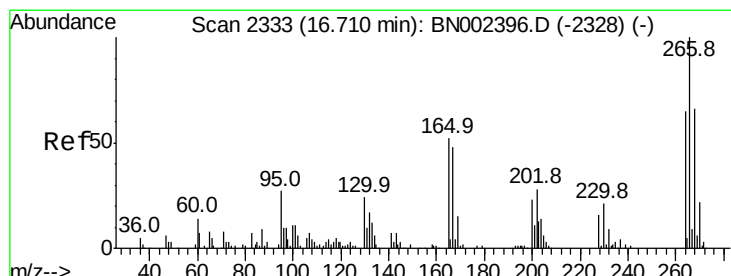
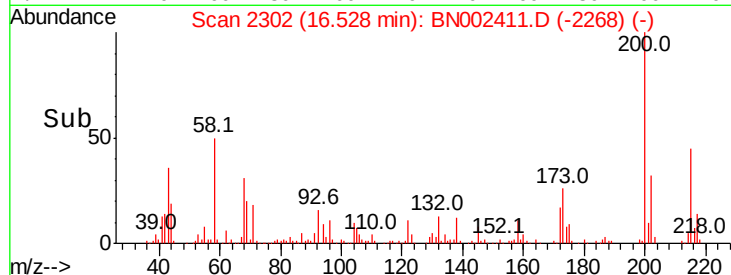
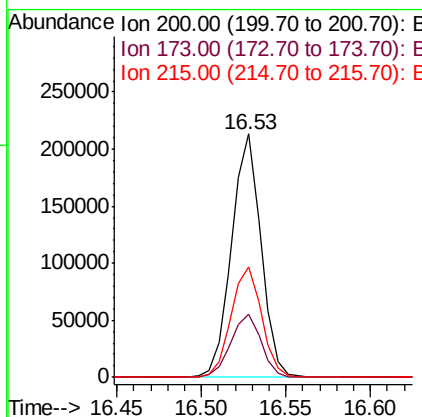
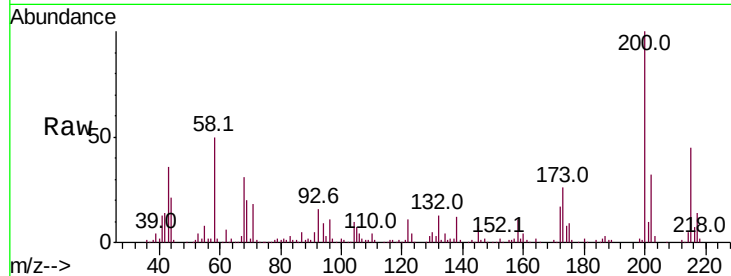




#67  
 Atrazine  
 Concen: 21.340 ng/ul  
 RT: 16.53 min Scan# 2302  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

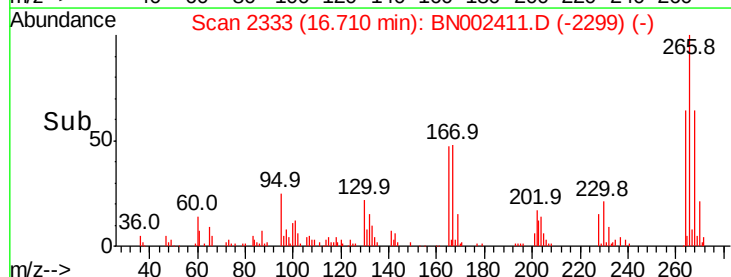
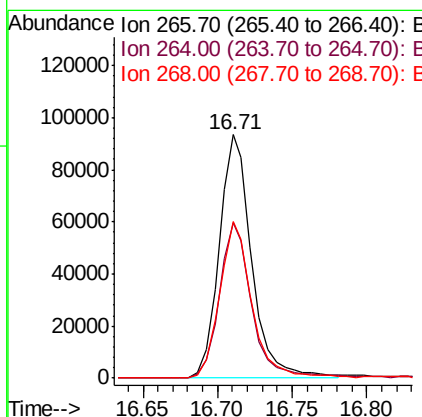
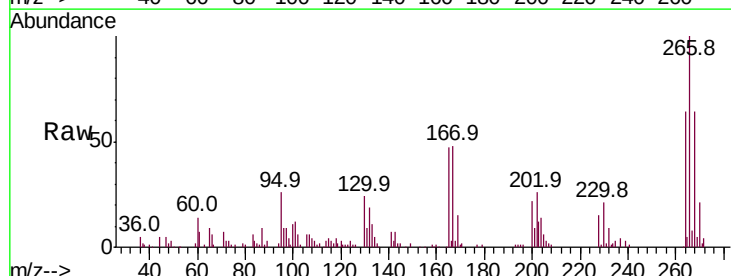
Instrument :  
 BNA\_N  
 ClientSampled :

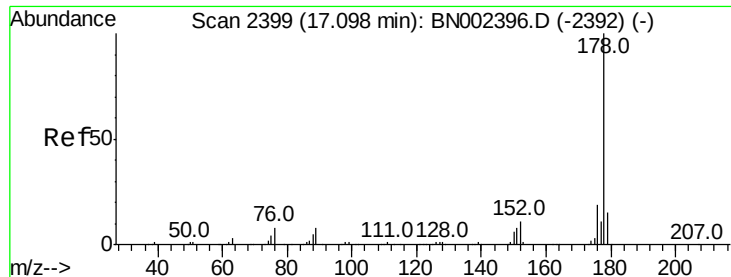
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.7  | 21.6  | 32.4  |
| 215     | 45.3  | 37.0  | 55.4  |



#68  
 Pentachlorophenol  
 Concen: 19.692 ng/ul  
 RT: 16.71 min Scan# 2333  
 Delta R.T. -0.00 min  
 Lab File: BN002411.D  
 Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.6  | 50.5  | 75.7  |
| 268     | 64.3  | 50.9  | 76.3  |





#69

Phenanthrene

Concen: 21.333 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

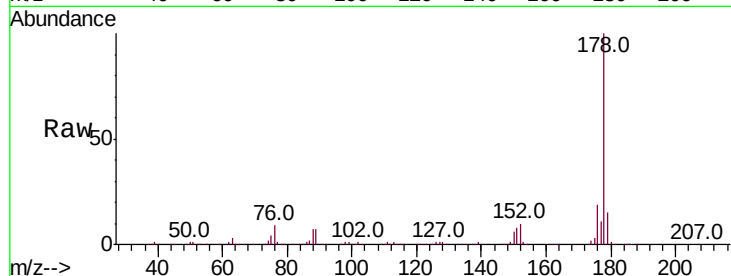
Tot Ion:178 Resp: 1334983

Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.4

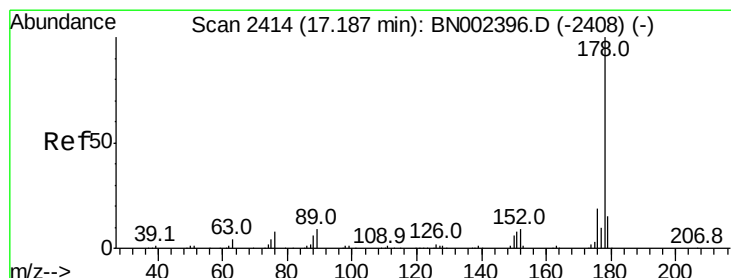
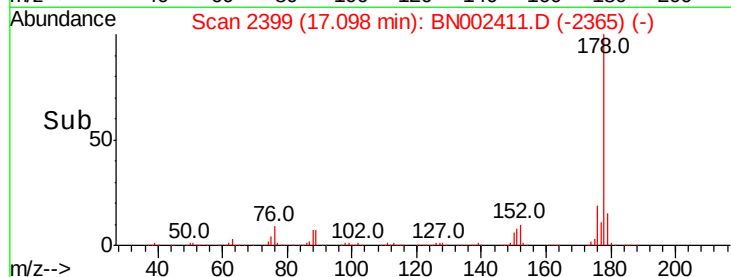
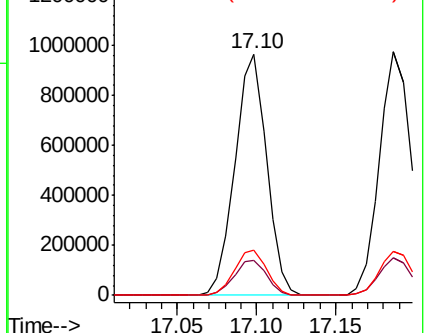
176 18.8 15.6 23.4



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



#71

Anthracene

Concen: 21.429 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

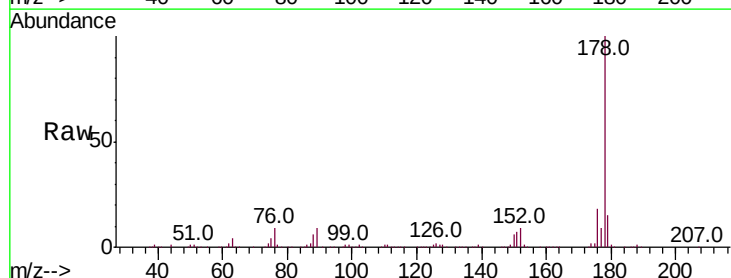
Tgt Ion:178 Resp: 1360002

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

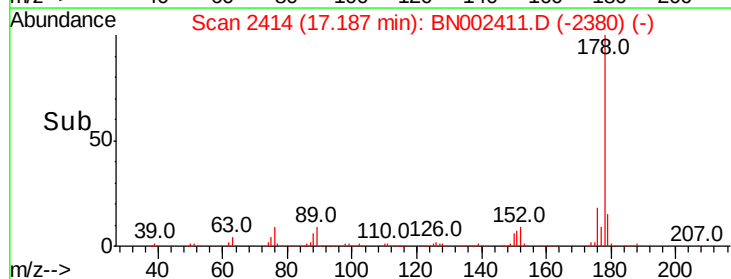
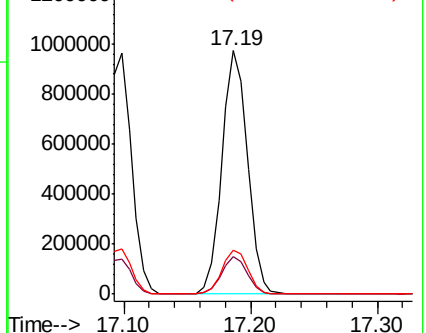
176 18.0 14.8 22.2

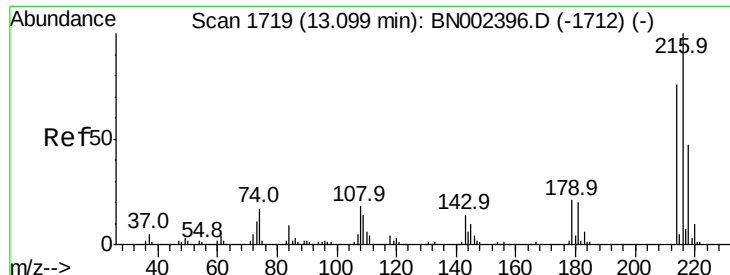


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

1,2,3,4-Tetrachlorobenzene

Concen: 21.243 ng/uL

RT: 13.10 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

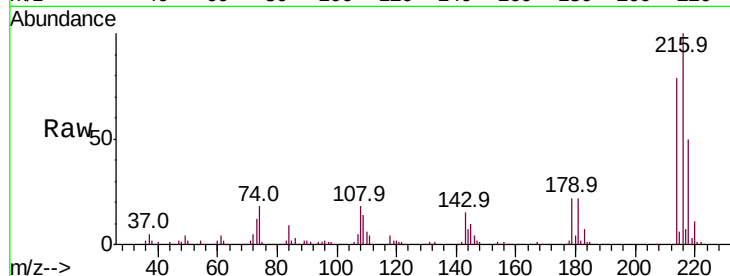
Tot Ion:216 Resp: 337179

Ion Ratio Lower Upper

216 100

214 78.8 62.5 93.7

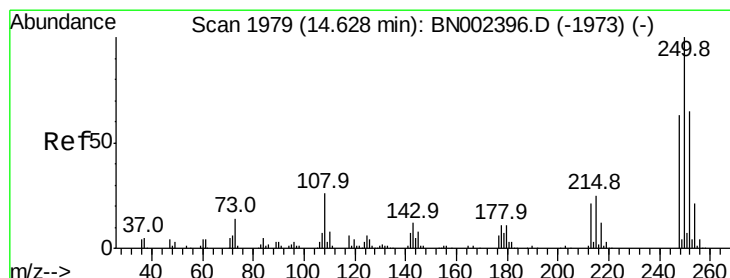
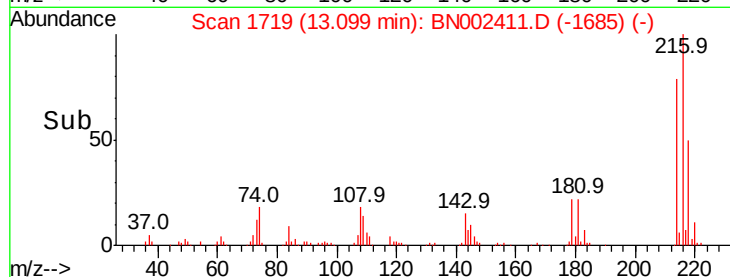
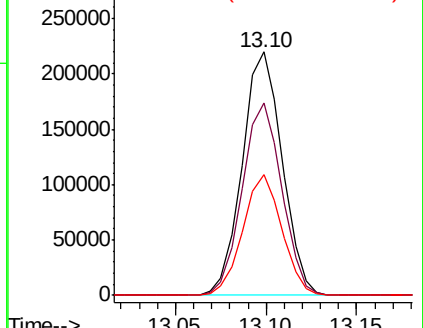
218 49.7 38.4 57.6



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 21.222 ng/uL

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

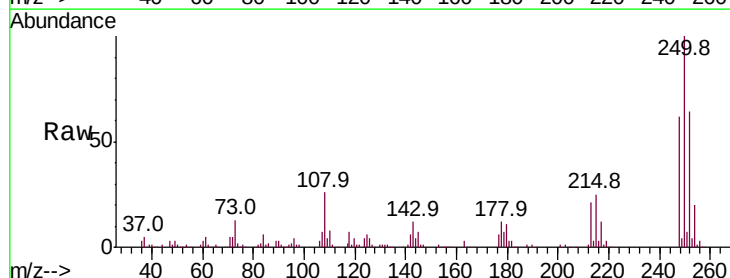
Tgt Ion:250 Resp: 321059

Ion Ratio Lower Upper

250 100

248 62.5 50.6 75.8

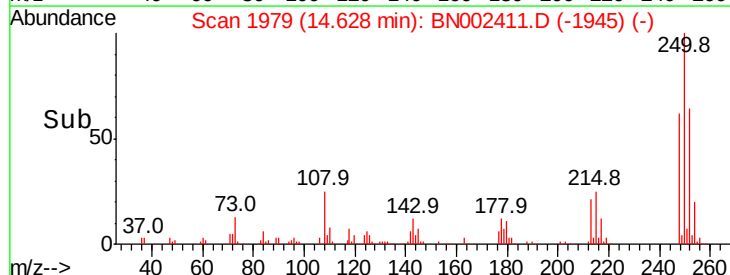
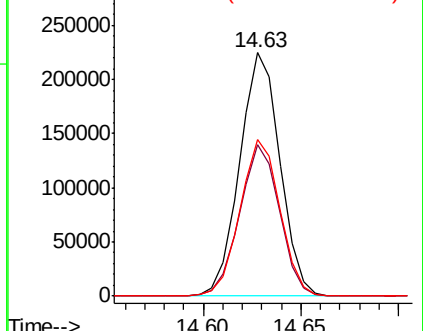
252 64.4 51.4 77.0

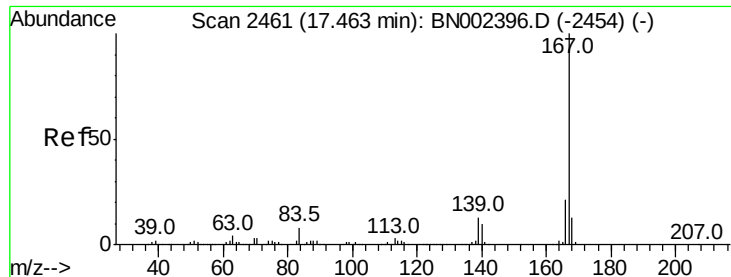


Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E





#74

Carbazole

Concen: 21.741 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

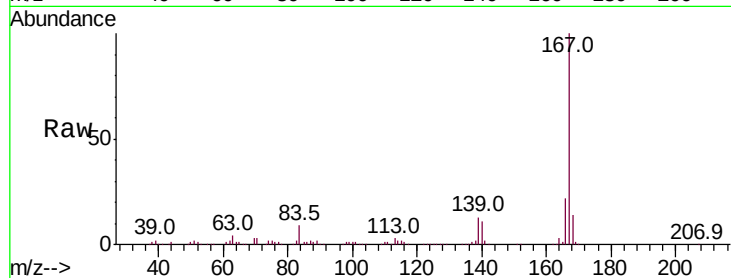
Instrument :

BNA\_N

ClientSampled :

Tot Ion:167 Resp: 1223667

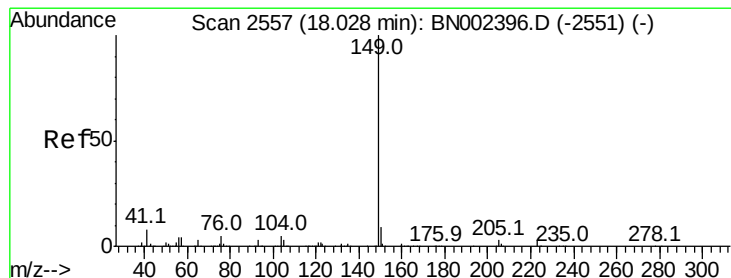
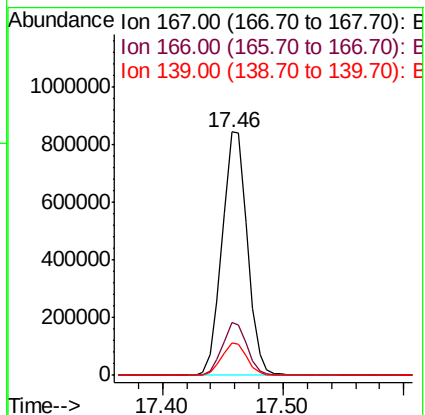
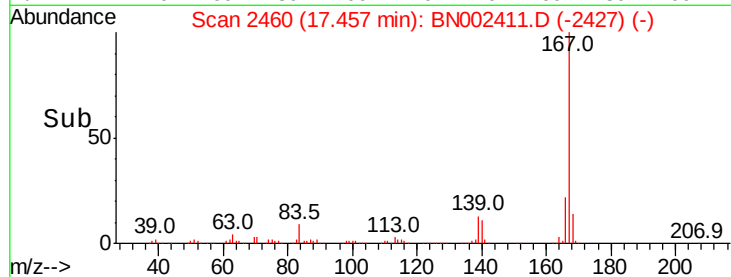
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.0  | 17.0  | 25.6  |
| 139 | 13.1  | 11.0  | 16.4  |



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Di-n-butylphthalate

Concen: 22.110 ng/ul

RT: 18.03 min Scan# 2557

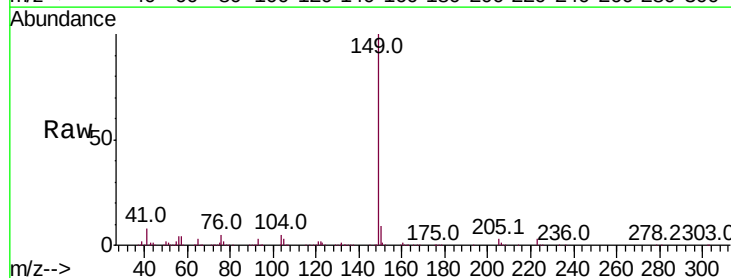
Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Tgt Ion:149 Resp: 1512855

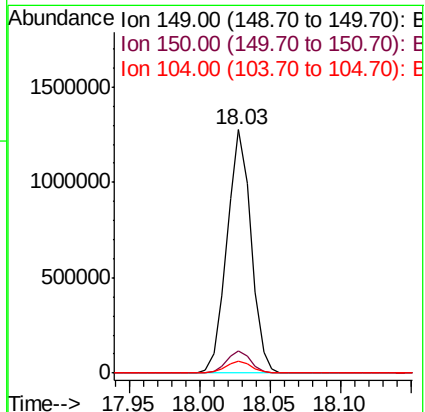
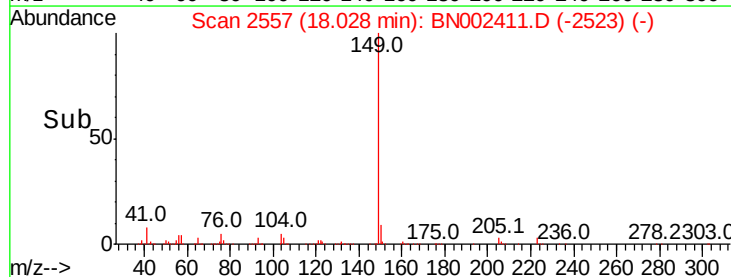
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.2   | 7.4   | 11.0  |
| 104 | 5.2   | 4.0   | 6.0   |



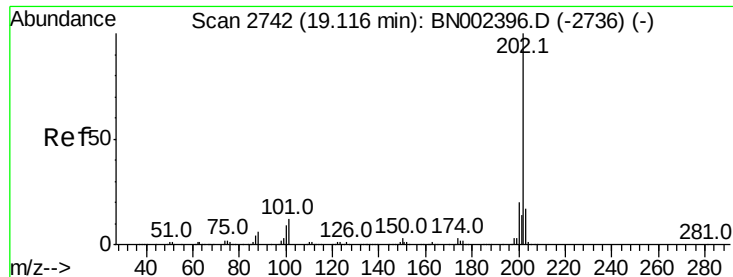
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



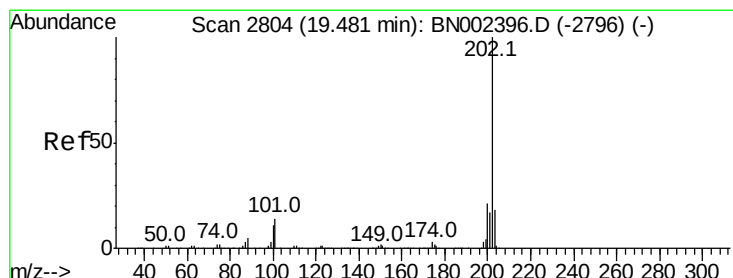
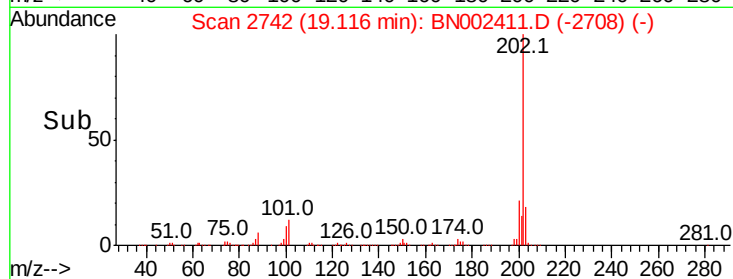
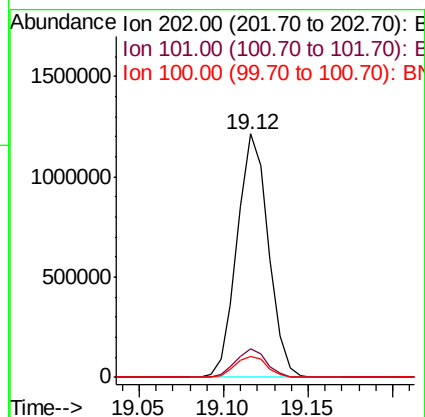
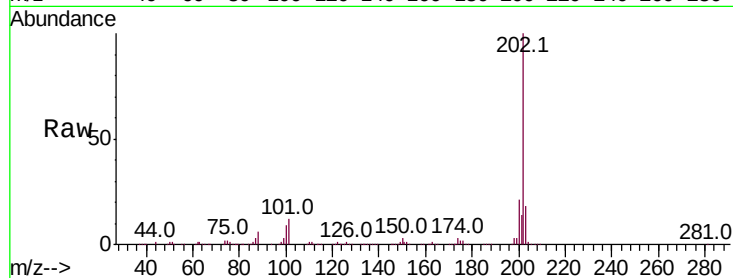




#76  
Fluoranthene  
Concen: 22.033 ng/ul  
RT: 19.12 min Scan# 2742  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

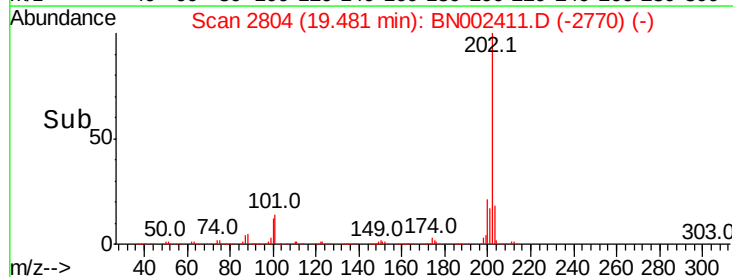
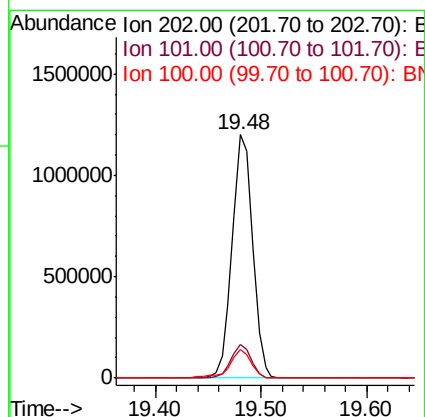
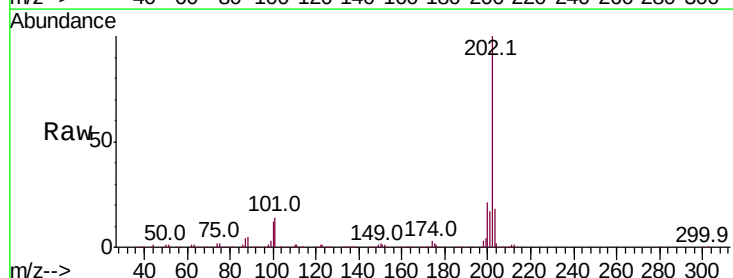
Instrument :  
BNA\_N  
ClientSampleId :

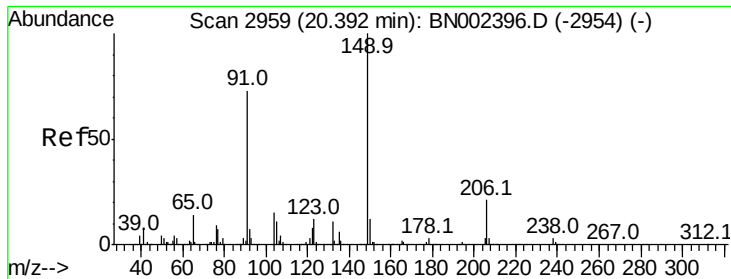
Tot Ion:202 Resp: 1569213  
Ion Ratio Lower Upper  
202 100  
101 11.6 8.8 13.2  
100 8.8 6.6 9.8



#79  
Pyrene  
Concen: 21.095 ng/ul  
RT: 19.48 min Scan# 2804  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:202 Resp: 1602911  
Ion Ratio Lower Upper  
202 100  
101 13.7 10.2 15.2  
100 11.5 8.5 12.7

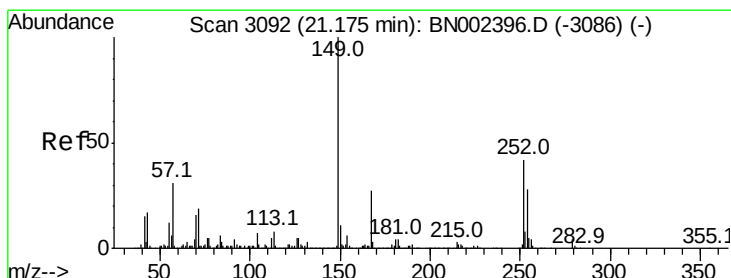
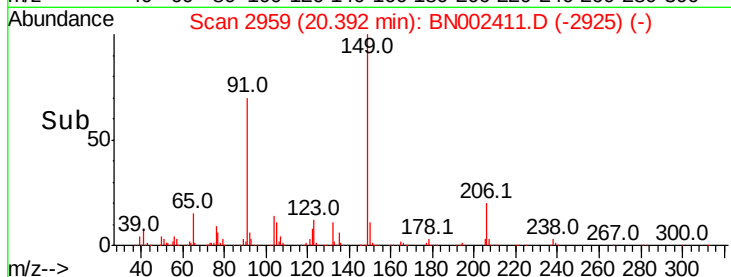
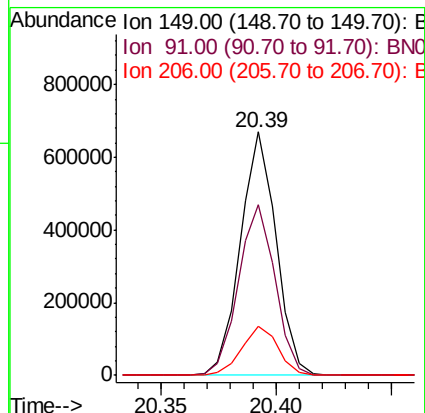
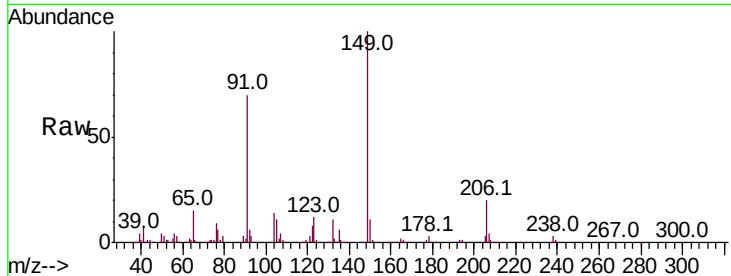




#80  
Butylbenzylphthalate  
Concen: 22.324 ng/ul  
RT: 20.39 min Scan# 2959  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

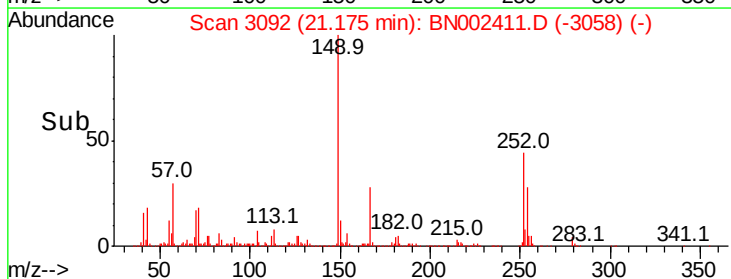
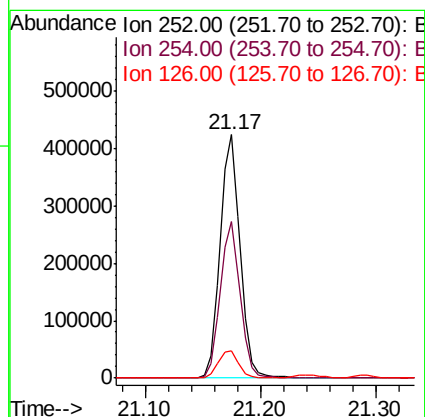
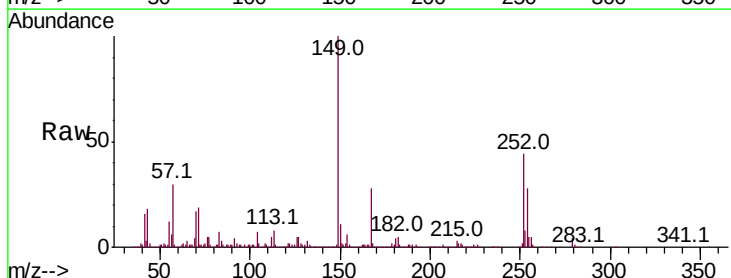
Instrument :  
BNA\_N  
ClientSampleId :

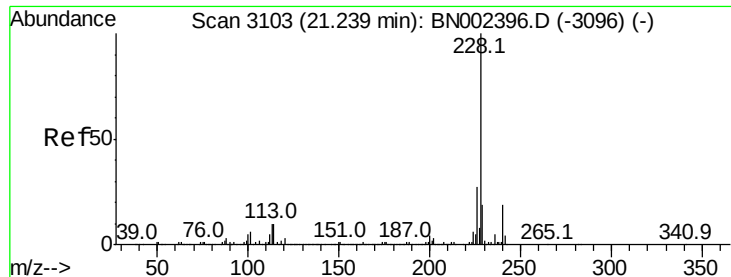
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.0  | 53.4  | 80.2  |
| 206     | 20.3  | 16.6  | 24.8  |



#81  
3,3'-Dichlorobenzidine  
Concen: 20.204 ng/ul  
RT: 21.17 min Scan# 3092  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.1  | 52.2  | 78.2  |
| 126     | 11.4  | 9.4   | 14.2  |





#82

Benzo(a)anthracene

Concen: 21.284 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampleId :

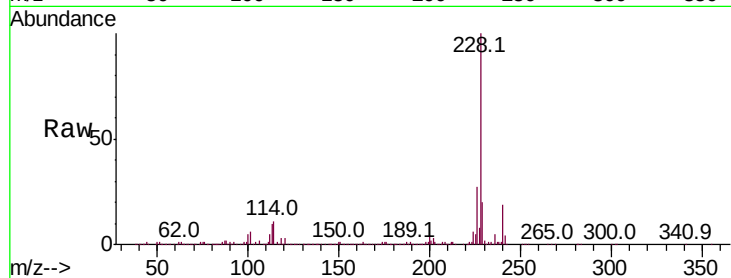
Tot Ion:228 Resp: 1643153

Ion Ratio Lower Upper

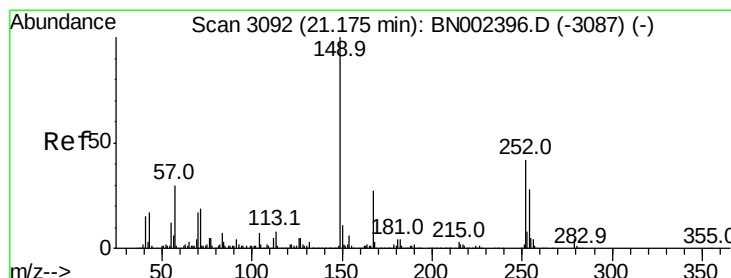
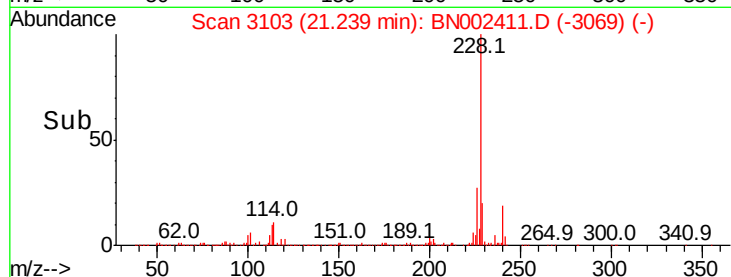
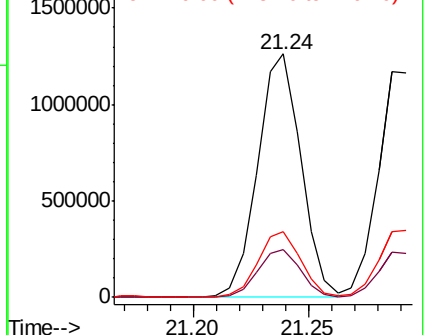
228 100

229 19.6 15.7 23.5

226 27.2 21.8 32.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 22.254 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

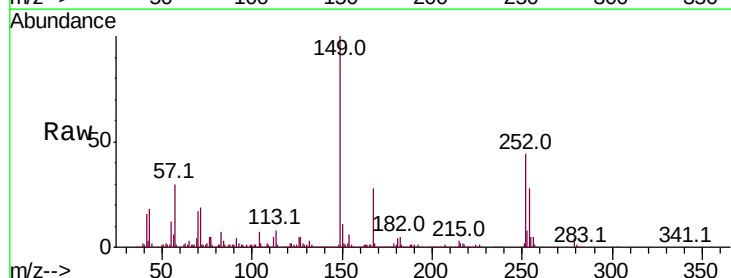
Tgt Ion:149 Resp: 1074679

Ion Ratio Lower Upper

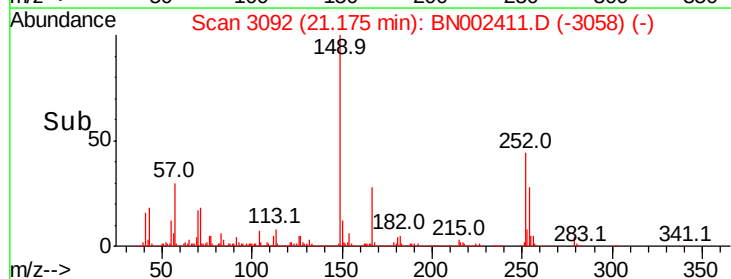
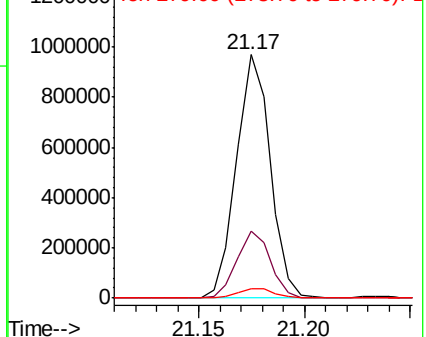
149 100

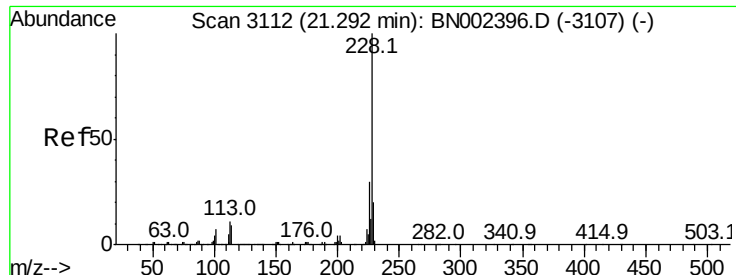
167 27.5 21.6 32.4

279 4.1 3.0 4.4



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

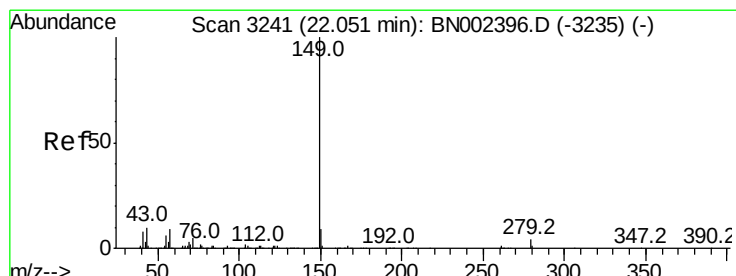
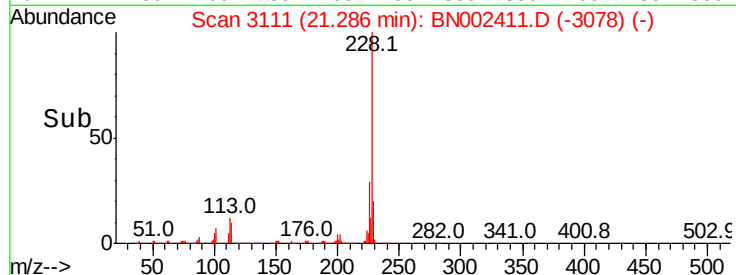
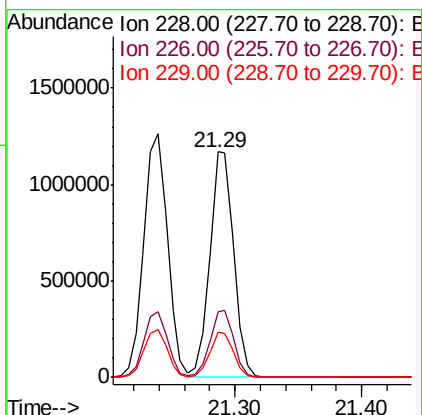
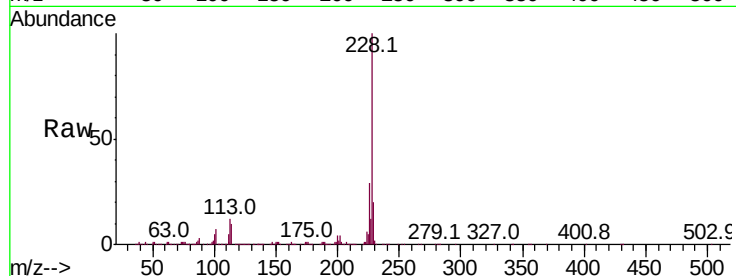




#84  
Chrysene  
Concen: 21.118 ng/ul  
RT: 21.29 min Scan# 3111  
Delta R.T. -0.01 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

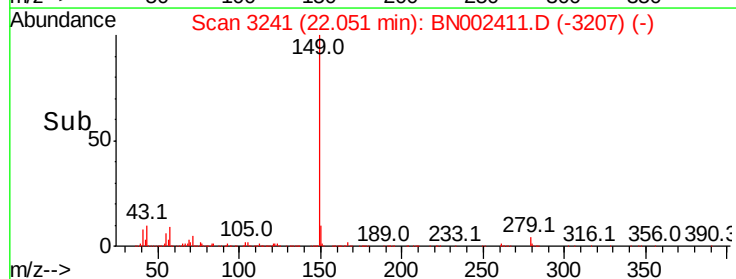
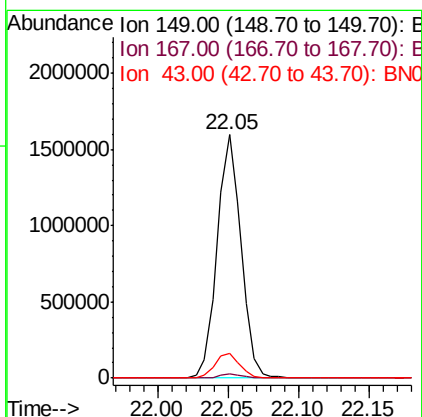
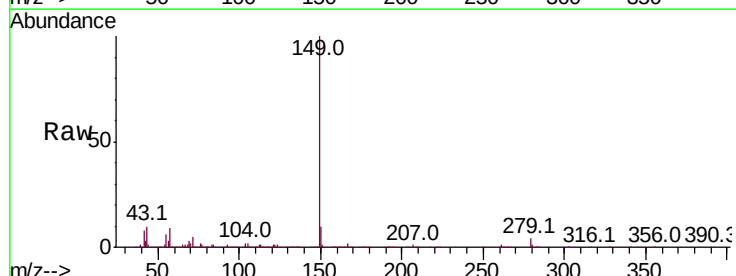
Instrument :  
BNA\_N  
ClientSampleId :

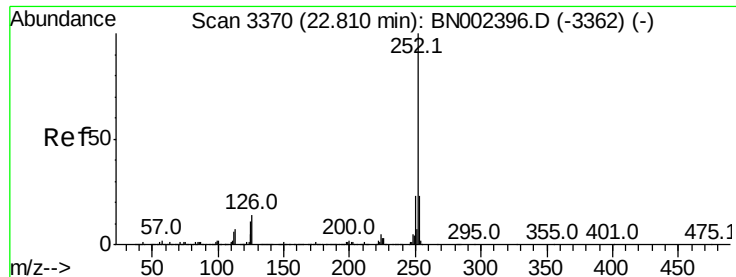
Tot Ion:228 Resp: 1543074  
Ion Ratio Lower Upper  
228 100  
226 29.3 24.0 36.0  
229 19.9 15.6 23.4



#86  
Di-n-octyl phthalate  
Concen: 22.217 ng/ul  
RT: 22.05 min Scan# 3241  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:149 Resp: 1865413  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.3 5.6 8.4#

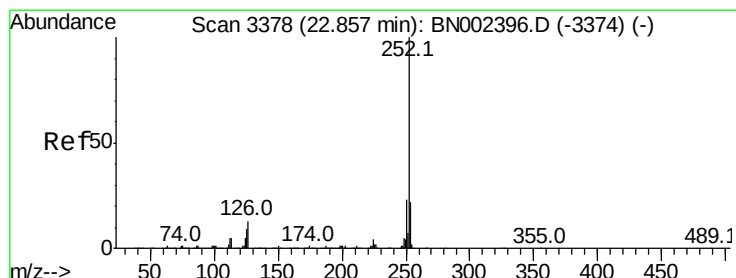
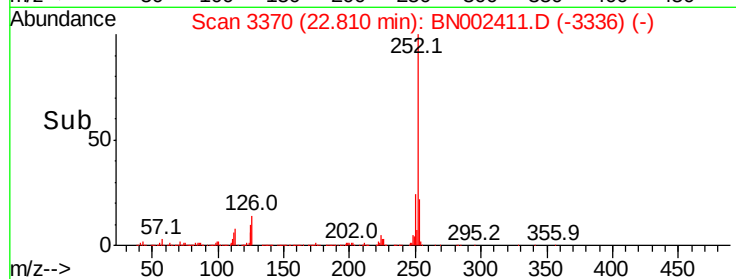
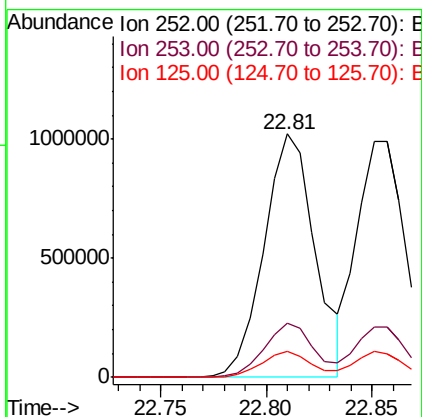
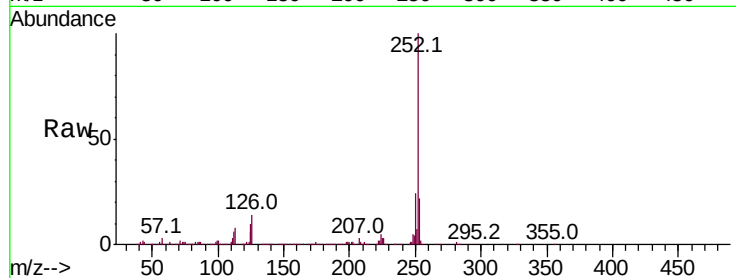




#87  
Benzo(b)fluoranthene  
Concen: 21.731 ng/ul  
RT: 22.81 min Scan# 3370  
Delta R.T. -0.00 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

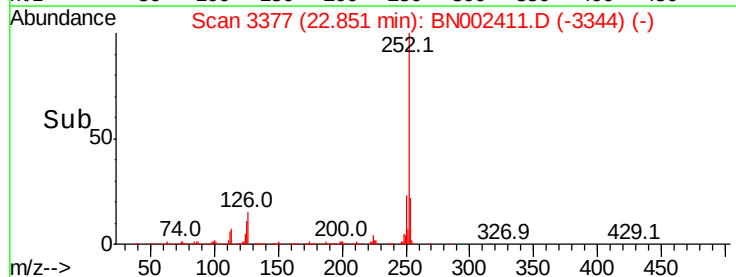
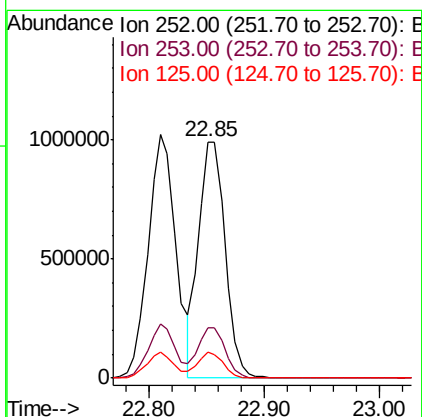
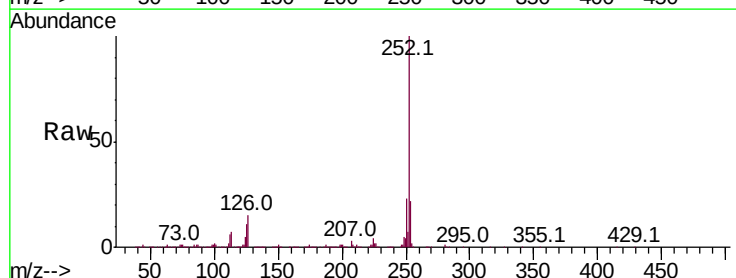
Instrument :  
BNA\_N  
ClientSampled :

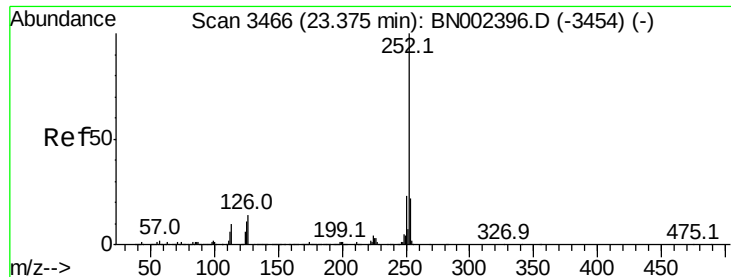
Tot Ion:252 Resp: 1721011  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.5 26.3  
125 10.4 8.5 12.7



#88  
Benzo(k)fluoranthene  
Concen: 21.336 ng/ul  
RT: 22.85 min Scan# 3377  
Delta R.T. -0.01 min  
Lab File: BN002411.D  
Acq: 18 Aug 2018 10:27

Tgt Ion:252 Resp: 1591844  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 10.9 8.2 12.2





#90

Benzo(a)pyrene

Concen: 21.375 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Instrument :

BNA\_N

ClientSampled :

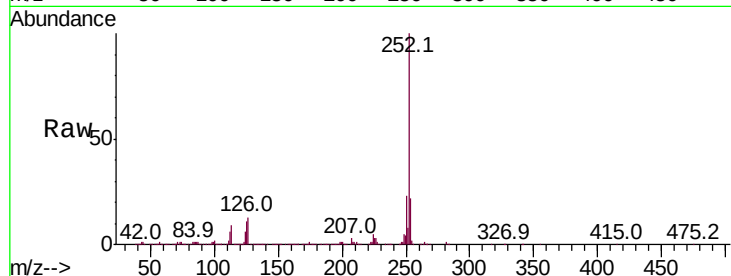
Tot Ion:252 Resp: 1612557

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

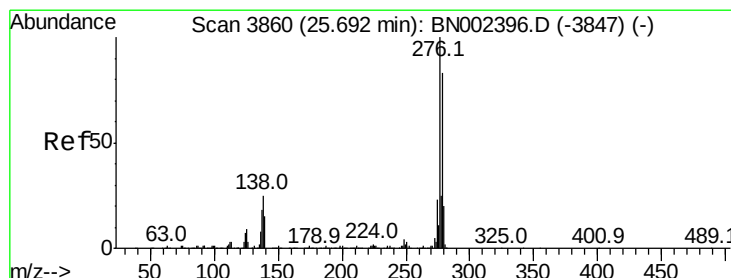
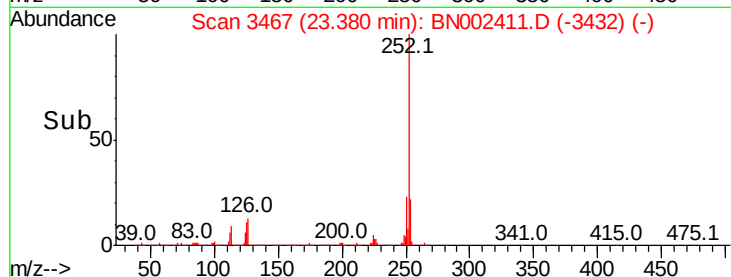
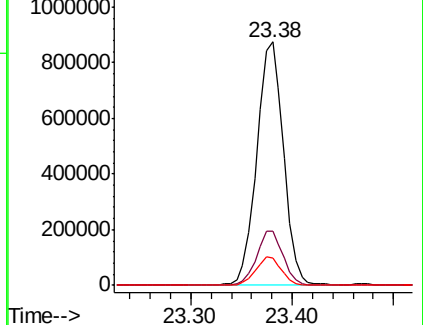
125 11.0 9.0 13.6



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

Indeno(1,2,3-cd)pyrene

Concen: 20.005 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

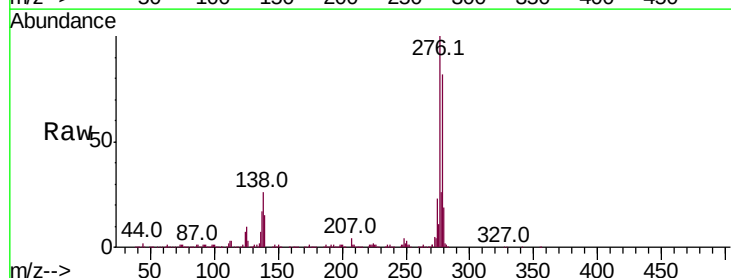
Tgt Ion:276 Resp: 1795390

Ion Ratio Lower Upper

276 100

138 25.8 22.3 33.5

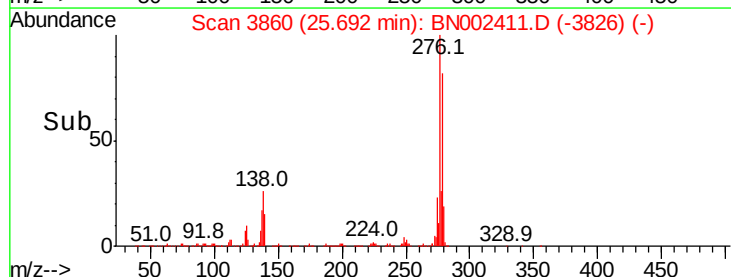
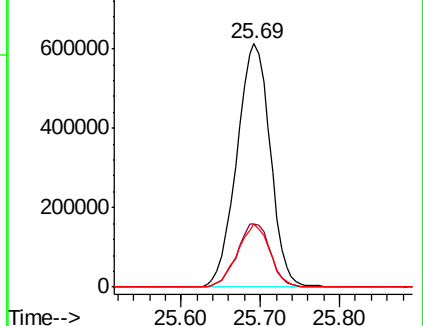
277 25.8 20.2 30.2

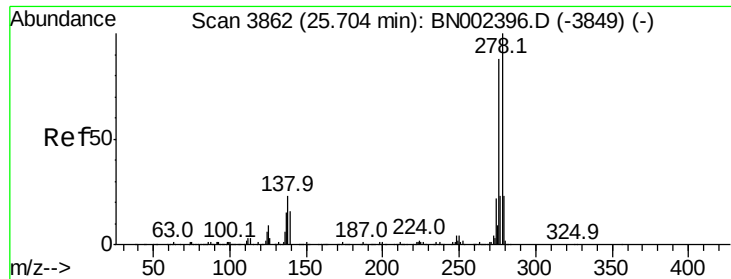


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 20.020 ng/ul

RT: 25.70 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

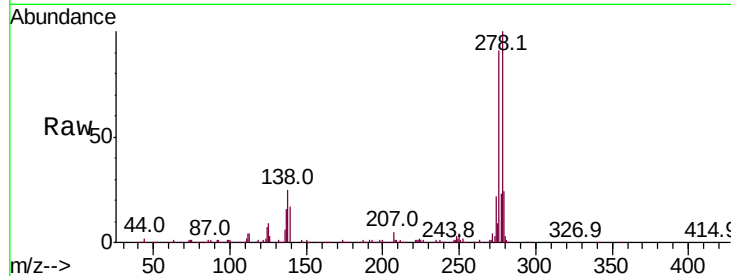
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:278 Resp: 1502147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.6  | 13.9  | 20.9  |
| 279 | 23.5  | 19.0  | 28.4  |

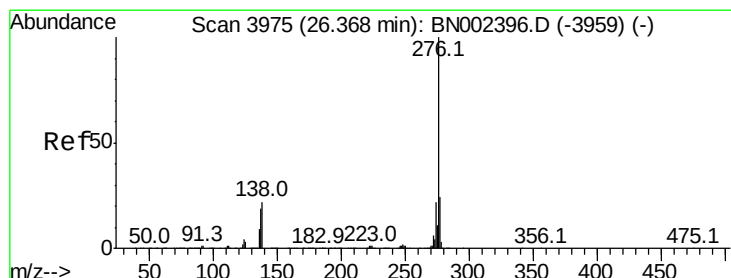
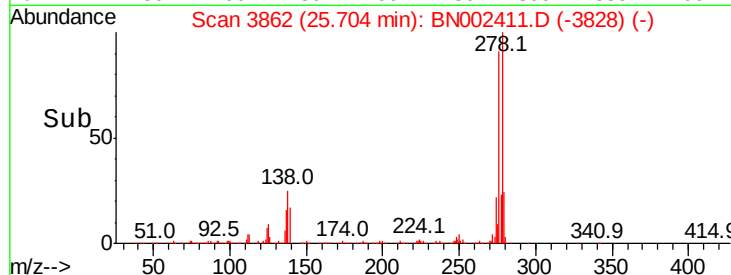
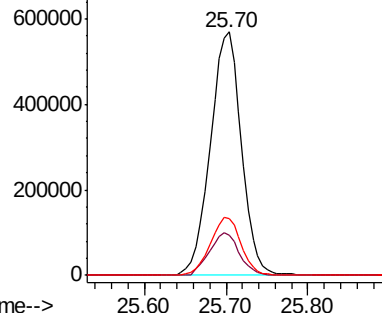


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 19.208 ng/ul

RT: 26.37 min Scan# 3975

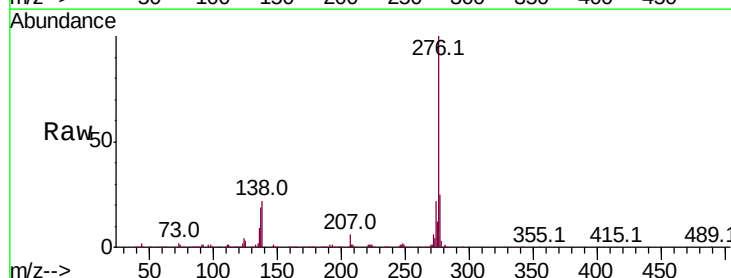
Delta R.T. -0.00 min

Lab File: BN002411.D

Acq: 18 Aug 2018 10:27

Tgt Ion:276 Resp: 1438430

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.0  | 18.9  | 28.3  |
| 277 | 24.9  | 19.2  | 28.8  |



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

