

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\  
 Data File : BN005354.D  
 Acq On : 29 Apr 2019 16:52  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 30 00:52:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 297225   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.35 | 136  | 1259404  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 762002   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 16.98 | 188  | 1738842  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 1655348  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.43 | 264  | 1876293  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 44658   | 7.25  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.77  | 99  | 411074  | 17.61 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 237978  | 16.34 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 334794  | 18.74 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 329750  | 18.07 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 164017  | 21.16 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 178374  | 22.70 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 343083  | 19.05 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 365014  | 19.65 | ng/ul | -0.01 |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 972458  | 17.58 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1259705 | 18.54 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 169542  | 19.41 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.22 | 176 | 851157  | 18.33 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 153175  | 19.59 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.08 | 188 | 1324087 | 18.16 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 1472818 | 17.39 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.29 | 264 | 1512044 | 18.44 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 45829   | 6.922  | ng/uL 99  |
| 4) Benzaldehyde                | 6.75  | 77  | 284450  | 17.195 | ng/ul 98  |
| 6) Phenol                      | 6.79  | 94  | 430344  | 17.922 | ng/ul 96  |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 331191  | 17.226 | ng/ul 94  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 343587  | 18.603 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.03  | 108 | 322917  | 17.947 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 464291  | 14.382 | ng/ul 96  |
| 14) Acetophenone               | 8.40  | 105 | 532985  | 18.250 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 267292  | 17.110 | ng/ul 89  |
| 16) 4-Methylphenol             | 8.35  | 108 | 349752  | 17.999 | ng/ul 97  |
| 17) Hexachloroethane           | 8.65  | 117 | 140599  | 17.530 | ng/ul 96  |
| 20) Nitrobenzene               | 8.77  | 77  | 380126  | 17.819 | ng/ul 93  |
| 21) Isophorone                 | 9.29  | 82  | 733473  | 17.365 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 190118  | 21.350 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 391579  | 17.562 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 450542  | 16.974 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 336959  | 18.954 | ng/ul 97  |
| 28) Naphthalene                | 10.40 | 128 | 1061986 | 18.139 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.51 | 127 | 366913  | 19.392 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.69 | 225 | 229895  | 18.313 | ng/ul 97  |
| 32) Caprolactam                | 11.26 | 113 | 111925  | 20.809 | ng/ul 79  |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 356174  | 17.793 | ng/ul 93  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 777761  | 18.143 | ng/ul 97  |

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 Acq On : 29 Apr 2019 16:52  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

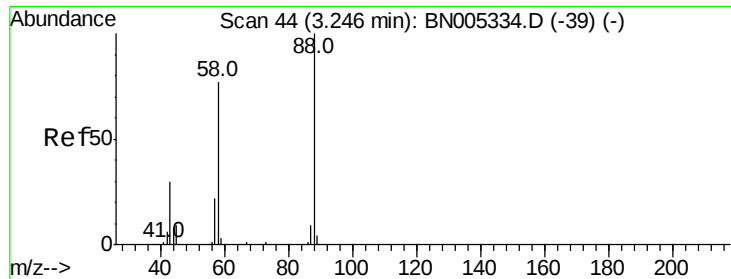
Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 30 00:52:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 439474   | 18.636 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.38 | 237  | 362874   | 22.569 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.64 | 196  | 272975   | 19.197 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 290411   | 19.006 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1018131  | 17.932 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 788730   | 18.063 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 222049   | 19.172 | ng/ul  | 86       |
| 44) Dimethylphthalate          | 13.69 | 163  | 972115   | 17.637 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.80 | 165  | 202301   | 21.257 | ng/ul# | 86       |
| 47) Acenaphthylene             | 13.94 | 152  | 1219488  | 18.265 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 183061   | 20.691 | ng/ul# | 89       |
| 49) Acenaphthene               | 14.29 | 153  | 826160   | 18.125 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 89348    | 19.273 | ng/ul  | 87       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 136303   | 17.193 | ng/ul  | 85       |
| 53) Dibenzofuran               | 14.63 | 168  | 1188203  | 18.106 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 289803   | 21.123 | ng/ul  | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 259072   | 20.380 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.07 | 149  | 951521   | 17.217 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 948648   | 18.525 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.28 | 204  | 502518   | 18.499 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 225287   | 20.425 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 160840   | 19.323 | ng/ul  | 95       |
| 64) N-Nitrosodiphenylamine     | 15.50 | 169  | 834802   | 17.541 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.18 | 248  | 313403   | 17.891 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 347216   | 18.614 | ng/ul  | 94       |
| 67) Atrazine                   | 16.46 | 200  | 307708   | 17.368 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.63 | 266  | 209814   | 19.210 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.02 | 178  | 1527572  | 18.038 | ng/ul  | 99       |
| 71) Anthracene                 | 17.12 | 178  | 1565340  | 18.145 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 449896   | 17.714 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 413004   | 18.067 | ng/uL  | 97       |
| 74) Carbazole                  | 17.39 | 167  | 1387027  | 18.717 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.97 | 149  | 1603534  | 17.246 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.06 | 202  | 1790206  | 19.059 | ng/ul  | 99       |
| 79) Pvrene                     | 19.42 | 202  | 1836258  | 17.228 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 721678   | 17.102 | ng/ul  | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 583151   | 17.632 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.20 | 228  | 1884011  | 18.295 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 1023068  | 15.745 | ng/ul  | 98       |
| 84) Chrysene                   | 21.26 | 228  | 1769837  | 18.518 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 1754504  | 15.268 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.77 | 252  | 1902961  | 18.042 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.82 | 252  | 1764394  | 17.516 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.33 | 252  | 1807367  | 18.231 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.62 | 276  | 2114017  | 19.287 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.63 | 278  | 1759479  | 18.915 | ng/ul  | 96       |
| 93) Benzo(g,h,i)perylene       | 26.28 | 276  | 1732648  | 19.118 | ng/ul  | 97       |

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





#2

1,4-Dioxane

Concen: 6.922 ng/uL

RT: 3.24 min Scan# 43

Delta R.T. -0.01 min

Lab File: BN005334.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

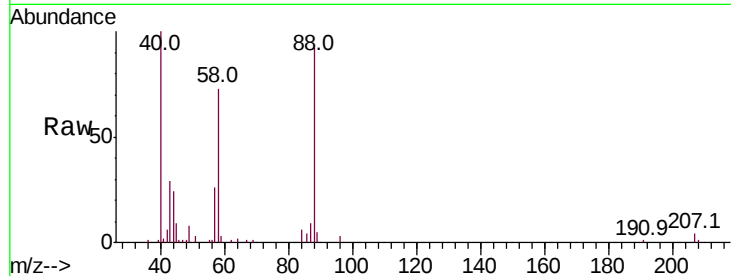
Tot Ion: 88 Resp: 45829

Ion Ratio Lower Upper

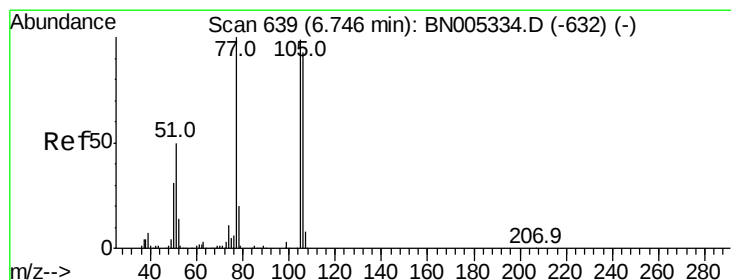
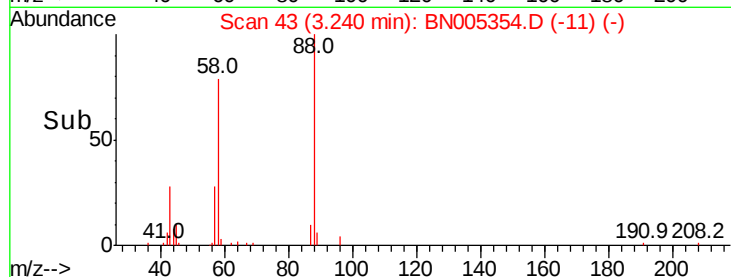
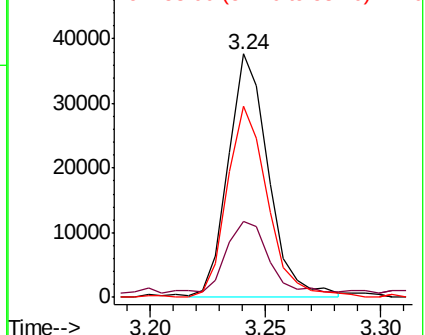
88 100

43 30.9 25.3 37.9

58 78.7 62.3 93.5



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: 17.195 ng/uL

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BN005334.D

Acq: 29 Apr 2019 16:52

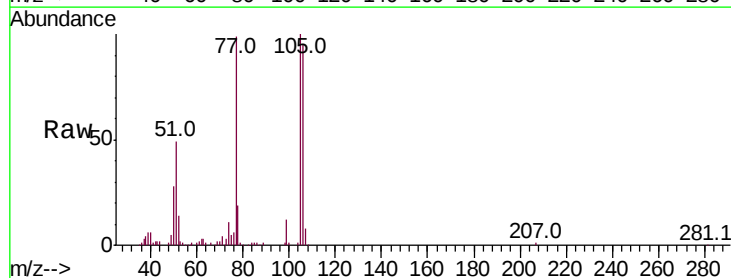
Tgt Ion: 77 Resp: 284450

Ion Ratio Lower Upper

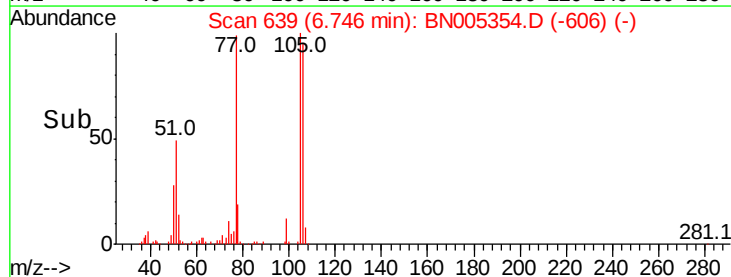
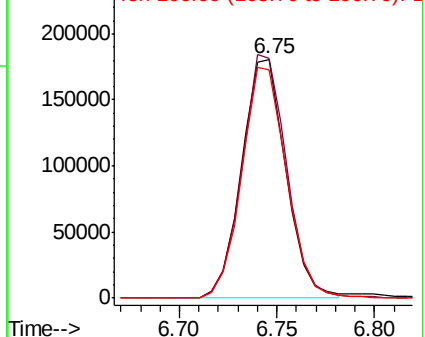
77 100

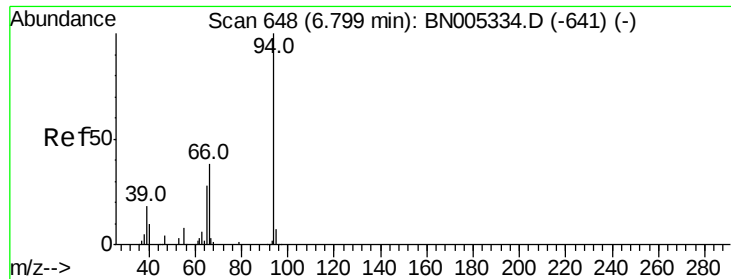
105 100.6 77.4 116.2

106 95.3 76.3 114.5



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





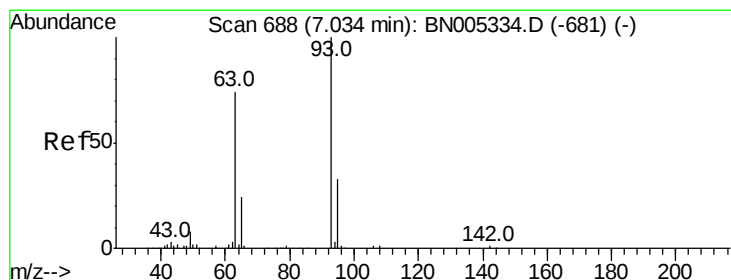
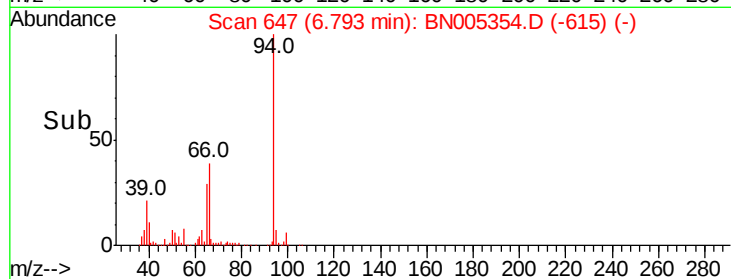
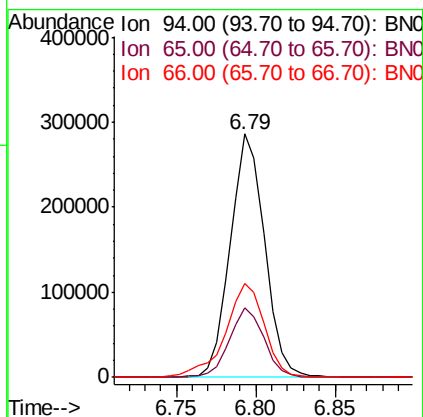
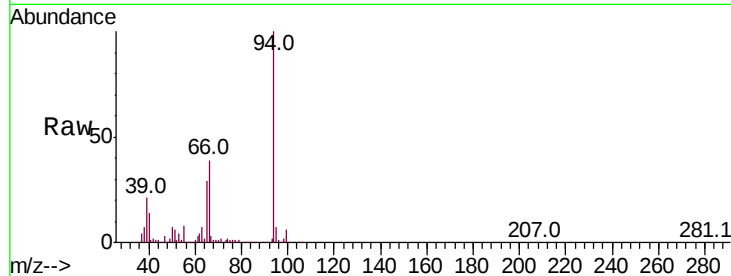
#6

Phenol

Concen: 17.922 ng/ul  
 RT: 6.79 min Scan# 647  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Instrument :  
 BNA\_N  
 ClientSampleId :

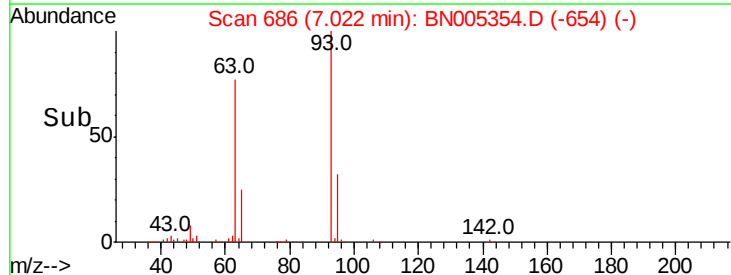
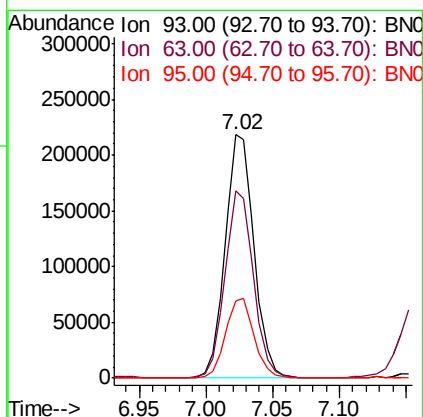
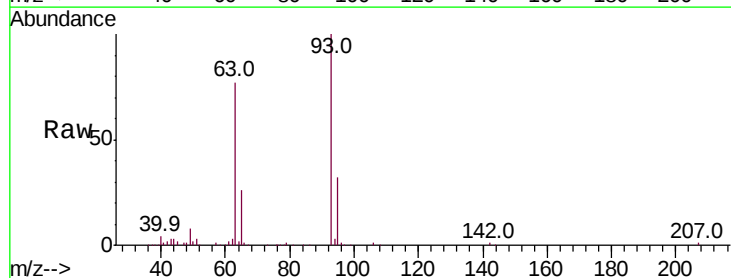
Tot Ion: 94 Resp: 430344  
 Ion Ratio Lower Upper  
 94 100  
 65 28.6 24.2 36.4  
 66 38.8 33.8 50.6

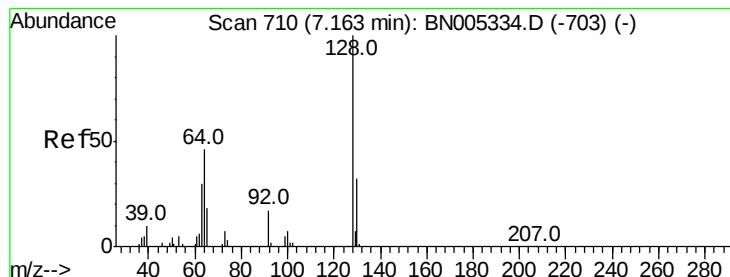


#8

Bis(2-Chloroethyl)ether  
 Concen: 17.226 ng/ul  
 RT: 7.02 min Scan# 686  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Tgt Ion: 93 Resp: 331191  
 Ion Ratio Lower Upper  
 93 100  
 63 76.9 67.1 100.7  
 95 31.9 26.9 40.3





#10

2-Chlorophenol

Concen: 18.603 ng/ul

RT: 7.16 min Scan# 709

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampled :

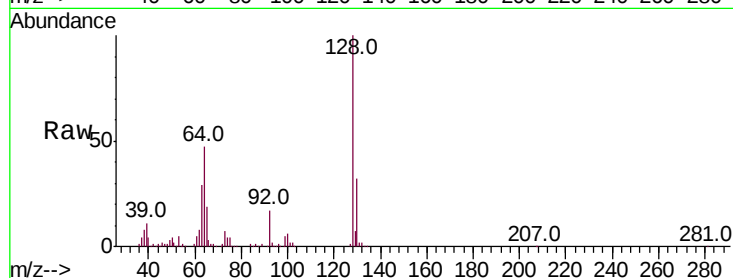
Tot Ion:128 Resp: 343587

Ion Ratio Lower Upper

128 100

64 47.0 42.3 63.5

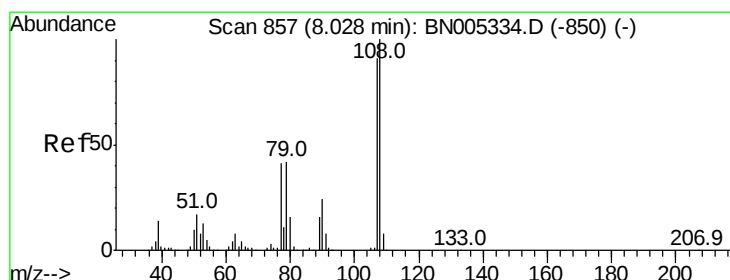
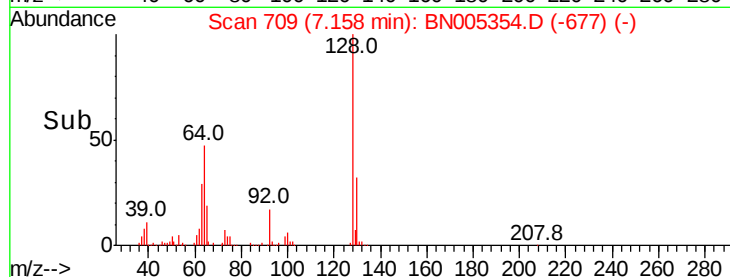
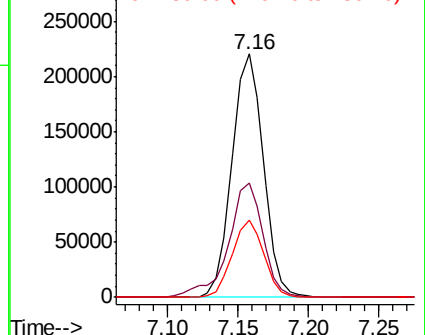
130 31.8 26.5 39.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNA\_N

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 17.947 ng/ul

RT: 8.03 min Scan# 857

Delta R.T. -0.01 min

Lab File: BN005354.D

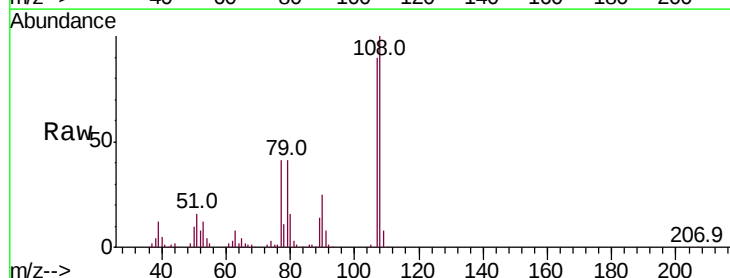
Acq: 29 Apr 2019 16:52

Tgt Ion:108 Resp: 322917

Ion Ratio Lower Upper

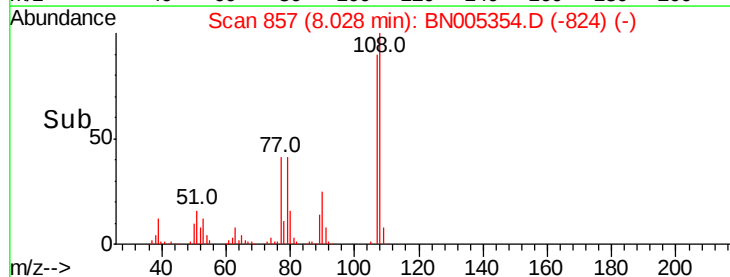
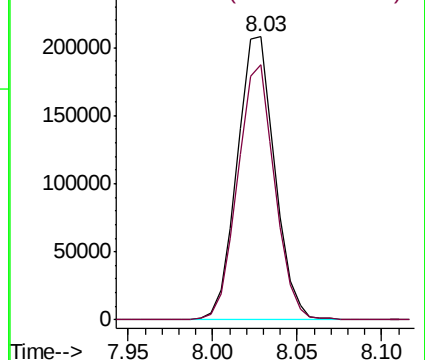
108 100

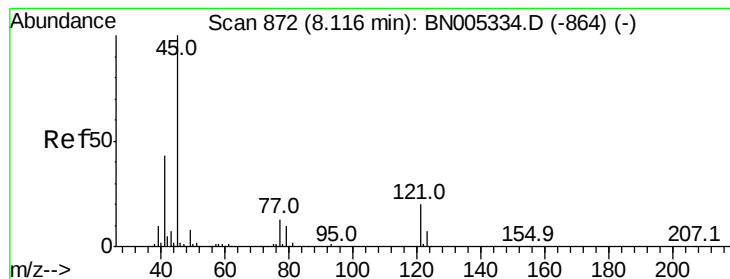
107 90.3 72.9 109.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#12

2,2'-oxvbis(1-Chloropropane)

Concen: 14.382 ng/ul

RT: 8.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

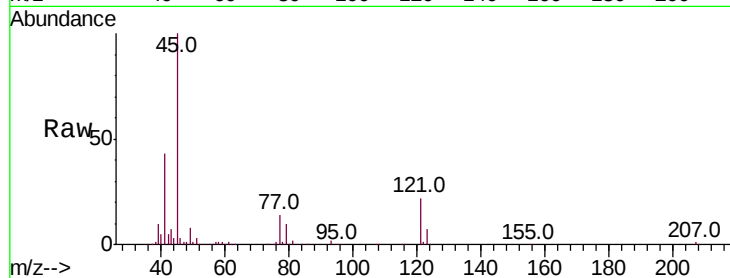
Tot Ion: 45 Resp: 464291

Ion Ratio Lower Upper

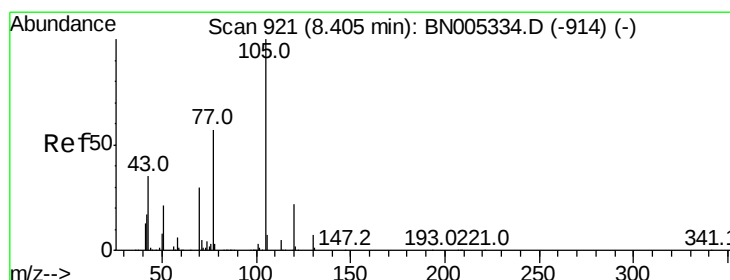
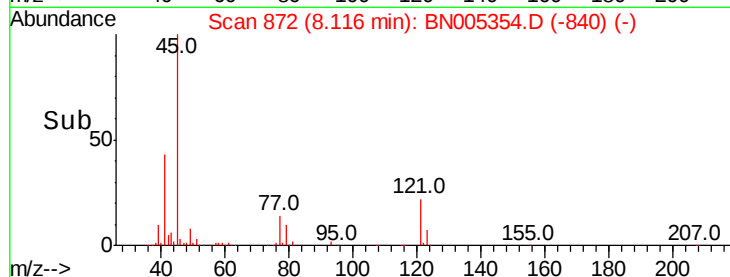
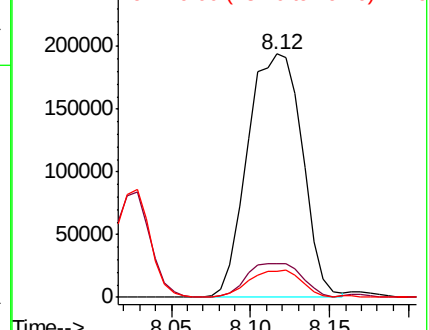
45 100

77 14.1 9.8 14.6

79 10.5 7.4 11.0



Abundance Ion 45.00 (44.70 to 45.70): BN0  
Ion 77.00 (76.70 to 77.70): BN0  
Ion 79.00 (78.70 to 79.70): BN0



#14

Acetophenone

Concen: 18.250 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

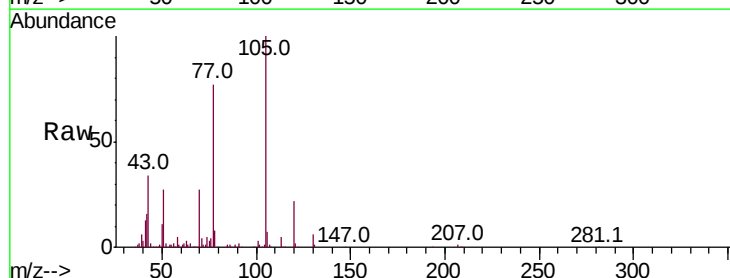
Tgt Ion: 105 Resp: 532985

Ion Ratio Lower Upper

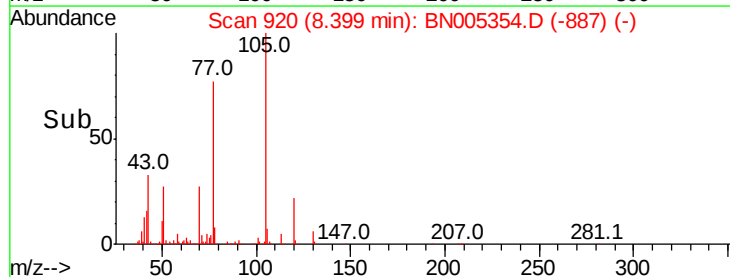
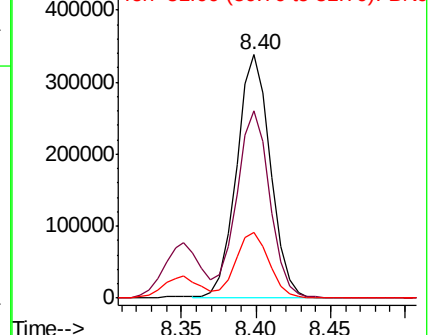
105 100

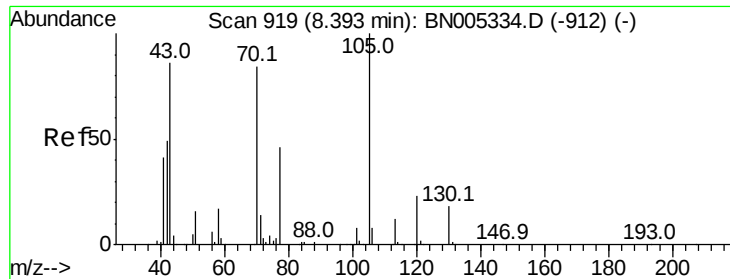
77 76.8 63.4 95.0

51 27.2 24.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BN0  
Ion 51.00 (50.70 to 51.70): BN0





#15

N-Nitroso-di-n-propylamine

Concen: 17.110 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

Tot Ion: 70 Resp: 267292

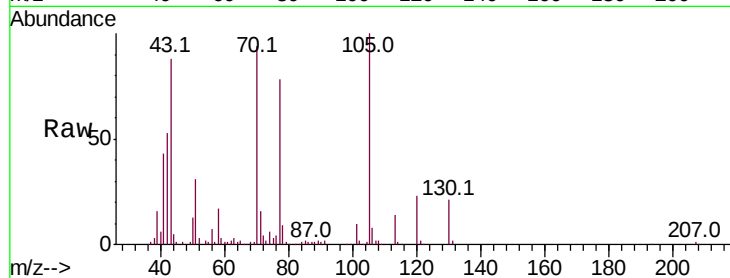
Ion Ratio Lower Upper

70 100

42 56.5 53.8 80.8

101 10.7 7.7 11.5

130 22.1 15.0 22.4

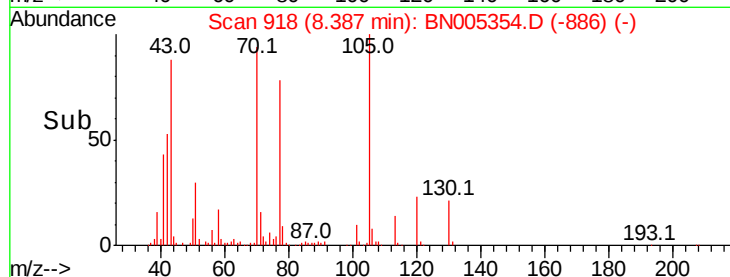
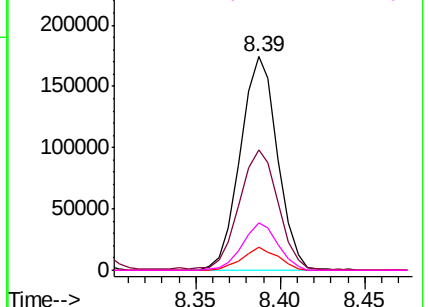


Abundance Ion 70.00 (69.70 to 70.70): BN005334.D (-912) (-)

Ion 42.00 (41.70 to 42.70): BN005334.D (-912) (-)

Ion 101.00 (100.70 to 101.70): BN005334.D (-912) (-)

Ion 130.00 (129.70 to 130.70): BN005334.D (-912) (-)



#16

4-Methylphenol

Concen: 17.999 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. -0.01 min

Lab File: BN005354.D

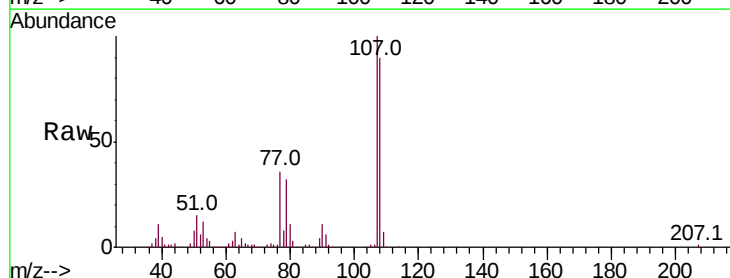
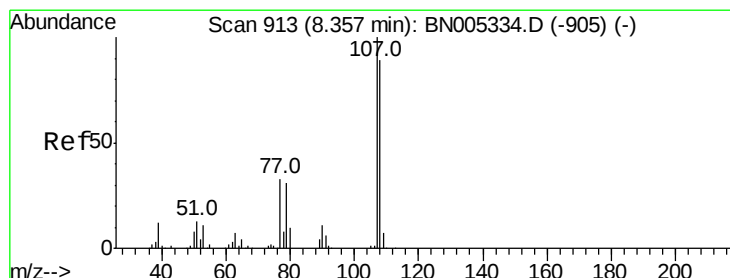
Acq: 29 Apr 2019 16:52

Tgt Ion: 108 Resp: 349752

Ion Ratio Lower Upper

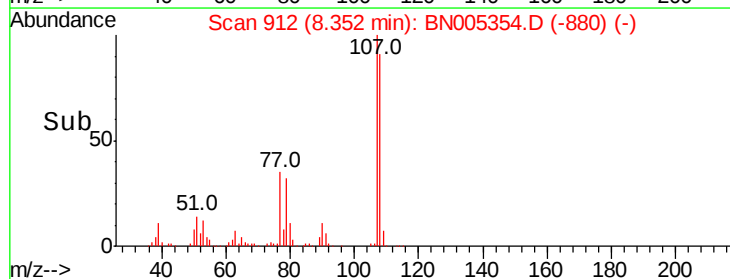
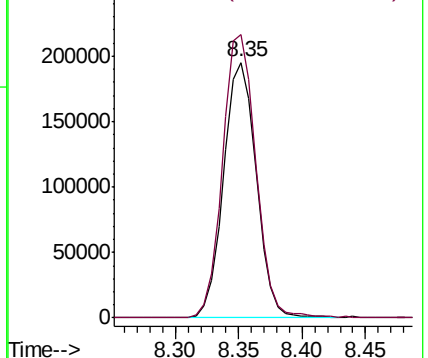
108 100

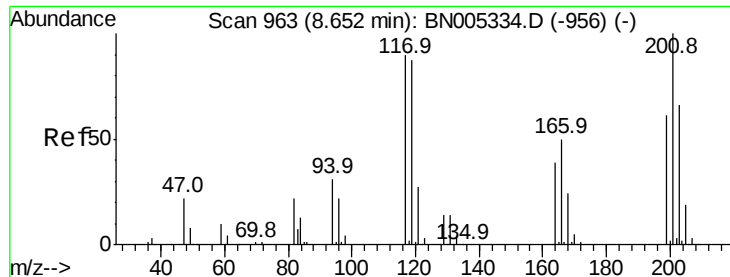
107 110.6 86.1 129.1



Abundance Ion 108.00 (107.70 to 108.70): BN005334.D (-905) (-)

Ion 107.00 (106.70 to 107.70): BN005334.D (-905) (-)

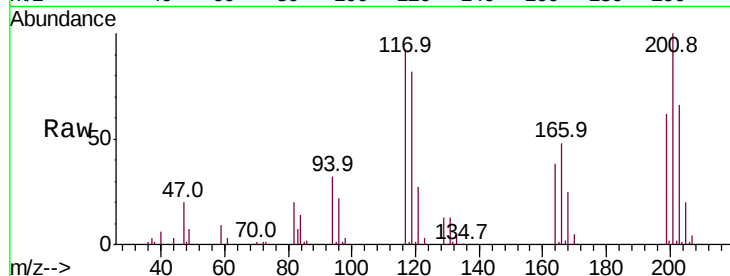




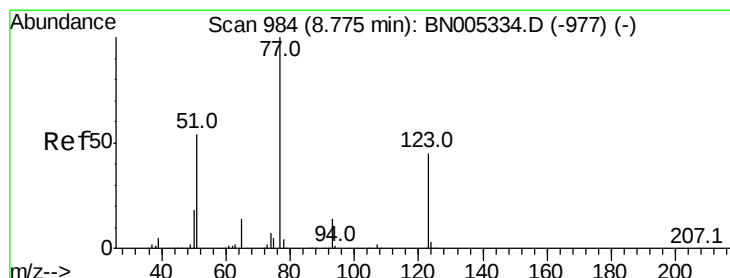
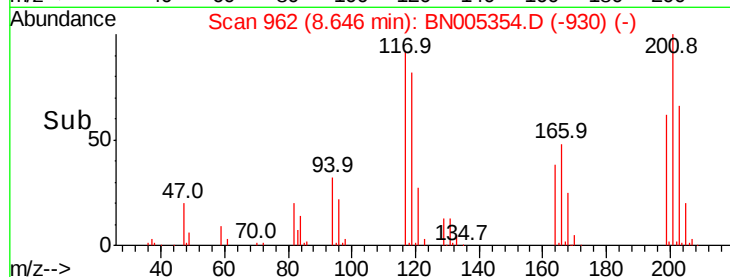
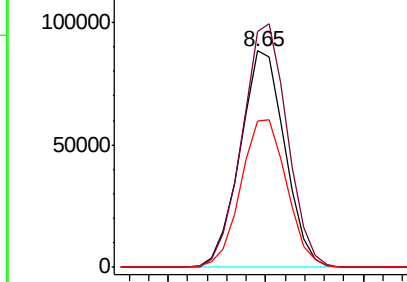
#17  
Hexachloroethane  
Concen: 17.530 ng/ul  
RT: 8.65 min Scan# 962  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:117 Resp: 140599  
Ion Ratio Lower Upper  
117 100  
201 108.9 84.1 126.1  
199 67.4 51.2 76.8

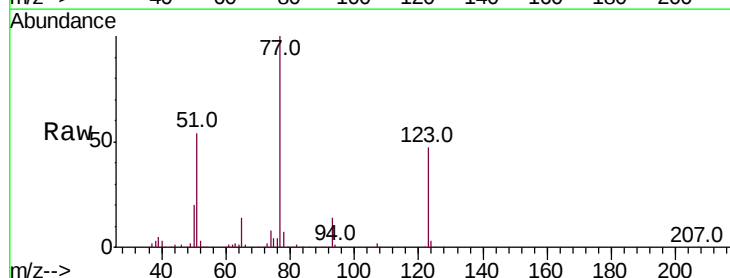


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

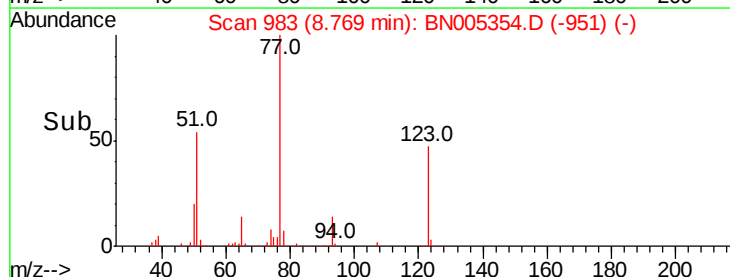
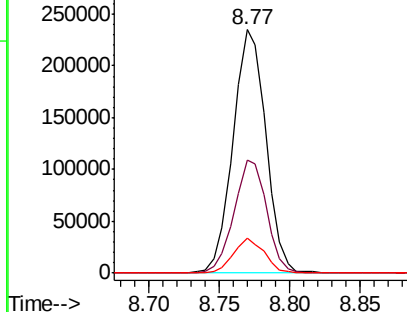


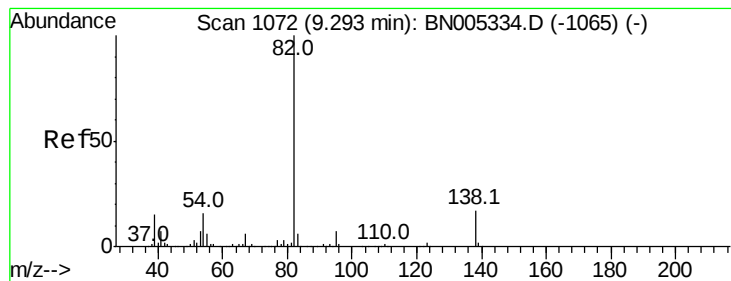
#20  
Nitrobenzene  
Concen: 17.819 ng/ul  
RT: 8.77 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Tgt Ion: 77 Resp: 380126  
Ion Ratio Lower Upper  
77 100  
123 46.6 32.6 49.0  
65 14.3 11.6 17.4



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: 17.365 ng/ul

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

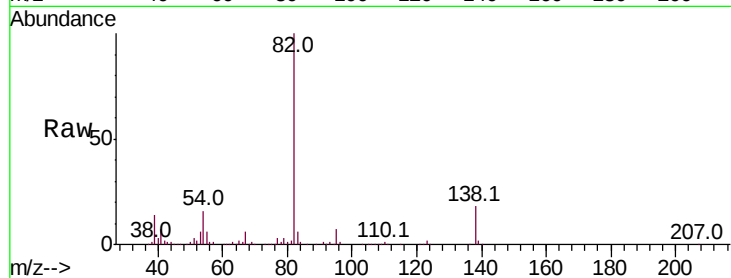
Tot Ion: 82 Resp: 733473

Ion Ratio Lower Upper

82 100

95 7.5 6.2 9.2

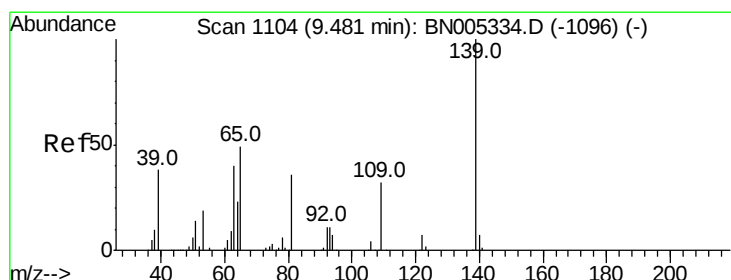
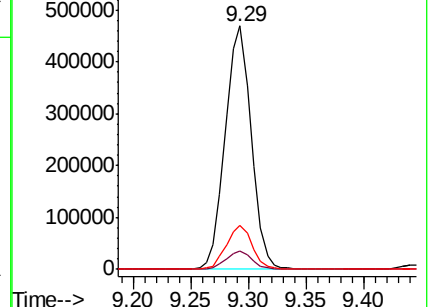
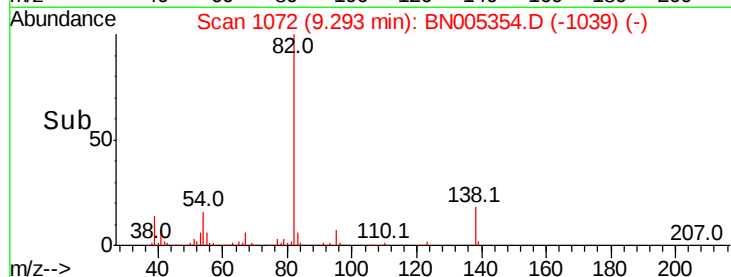
138 17.9 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BN005334.D (-1065) (-)

Ion 95.00 (94.70 to 95.70): BN005334.D (-1065) (-)

Ion 138.00 (137.70 to 138.70): BN005334.D (-1065) (-)



#23

2-Nitrophenol

Concen: 21.350 ng/ul

RT: 9.48 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

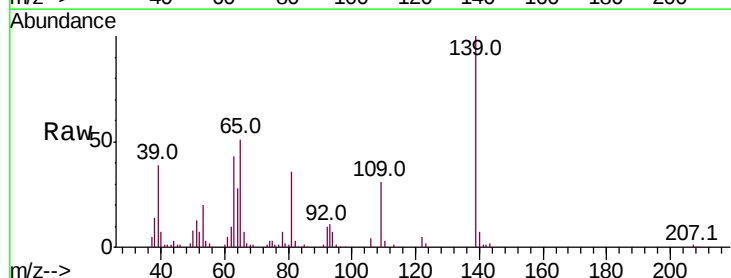
Tgt Ion:139 Resp: 190118

Ion Ratio Lower Upper

139 100

65 50.9 44.2 66.4

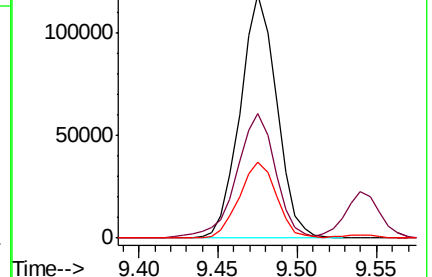
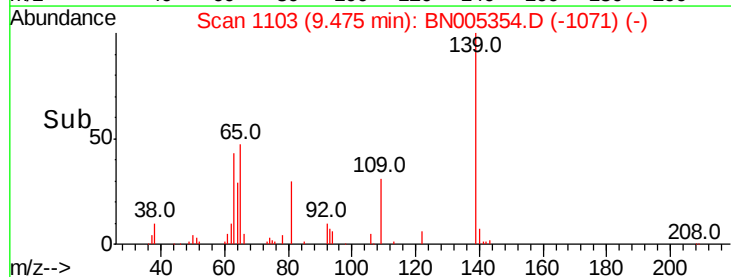
109 31.0 26.8 40.2

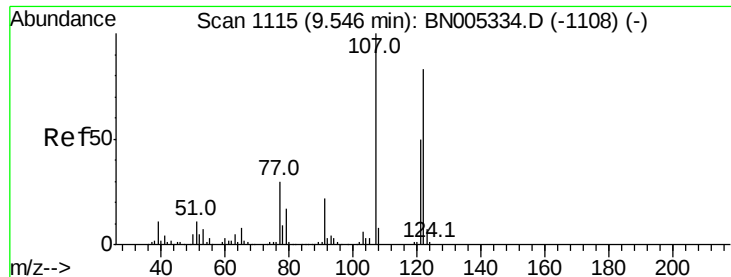


Abundance Ion 139.00 (138.70 to 139.70): BN005334.D (-1096) (-)

Ion 65.00 (64.70 to 65.70): BN005334.D (-1096) (-)

Ion 109.00 (108.70 to 109.70): BN005334.D (-1096) (-)

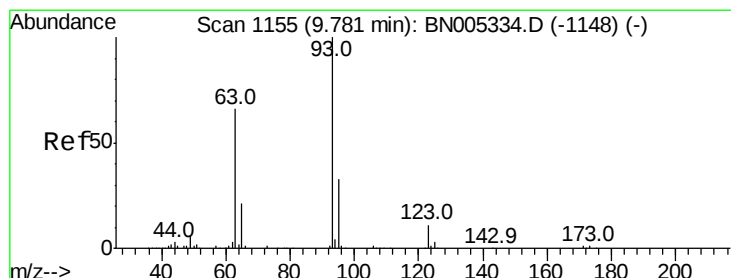
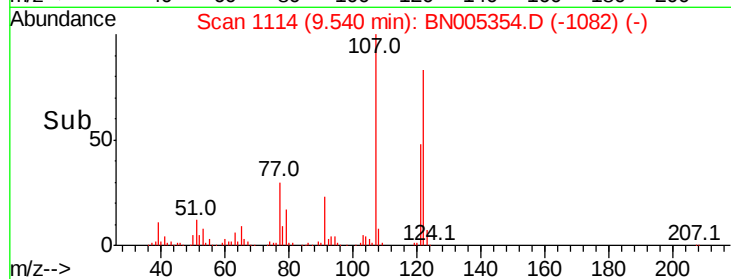
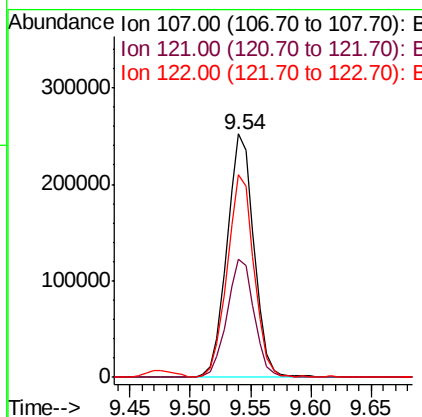
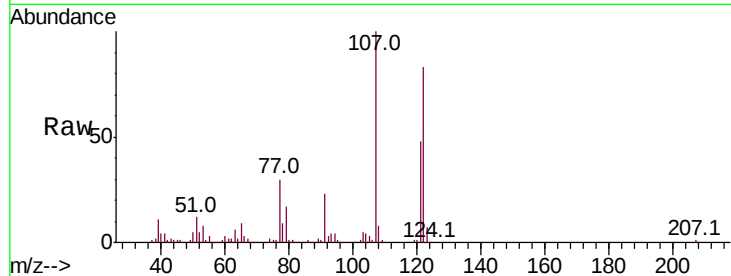




#24  
 2,4-Dimethylphenol  
 Concen: 17.562 ng/ul  
 RT: 9.54 min Scan# 1114  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

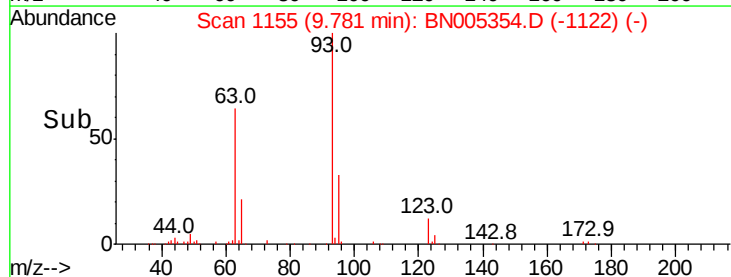
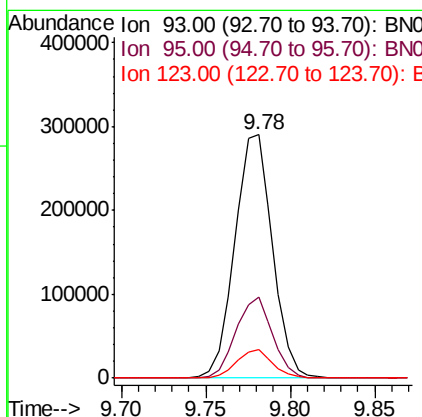
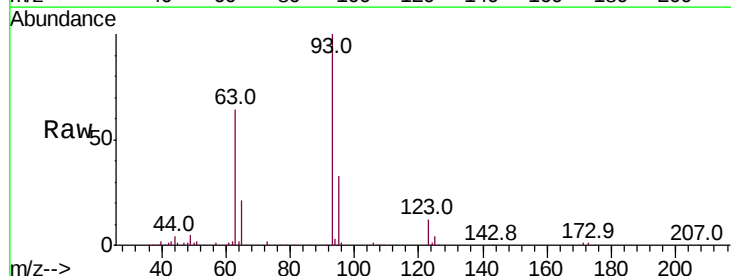
Instrument :  
 BNA\_N  
 ClientSampleId :

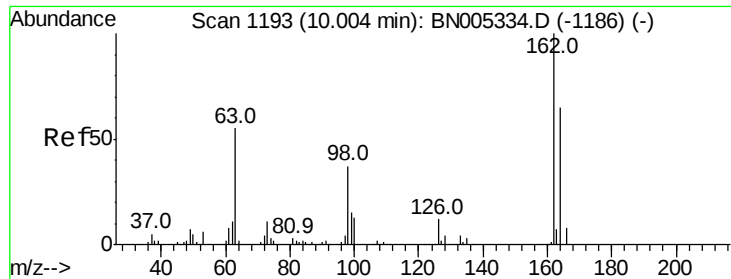
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 48.4  | 37.8  | 56.8  |
| 122     | 83.2  | 65.0  | 97.4  |



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 16.974 ng/ul  
 RT: 9.78 min Scan# 1155  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.2  | 26.6  | 39.8  |
| 123     | 11.6  | 8.9   | 13.3  |

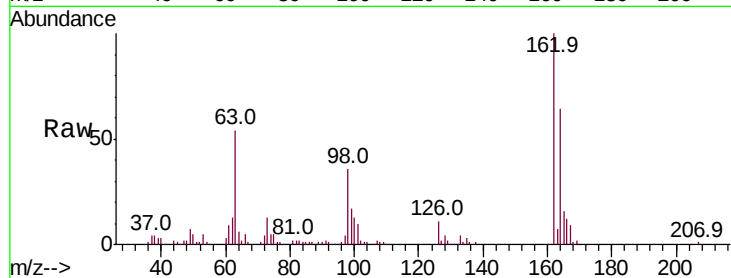




#27  
 2,4-Dichlorophenol  
 Concen: 18.954 ng/ul  
 RT: 10.00 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Instrument :  
 BNA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.2  | 52.6  | 79.0  |
| 98      | 35.7  | 30.8  | 46.2  |

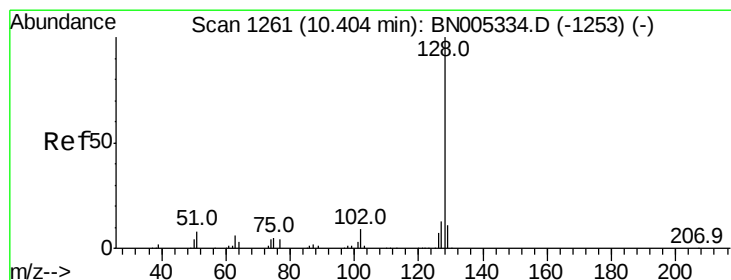
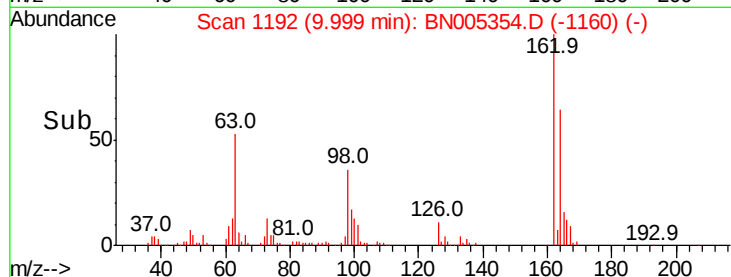
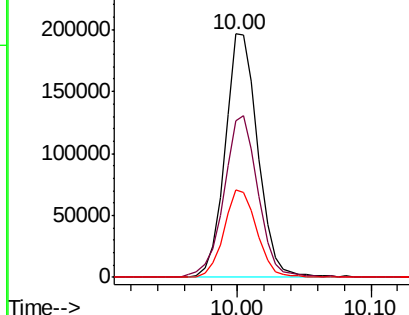


Abundance

Ion 162.00 (161.70 to 162.70): E

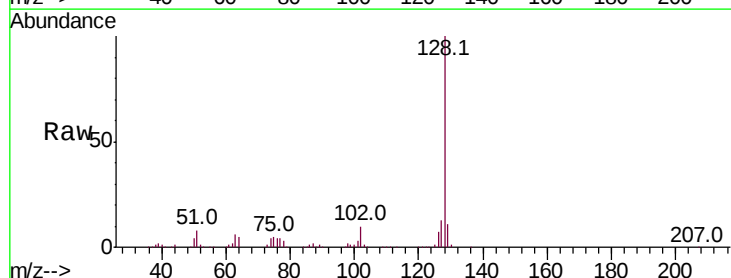
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNO



#28  
 Naphthalene  
 Concen: 18.139 ng/ul  
 RT: 10.40 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 9.2   | 13.8  |
| 127     | 12.8  | 10.7  | 16.1  |

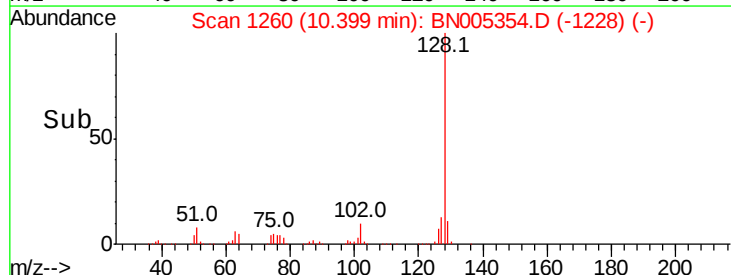
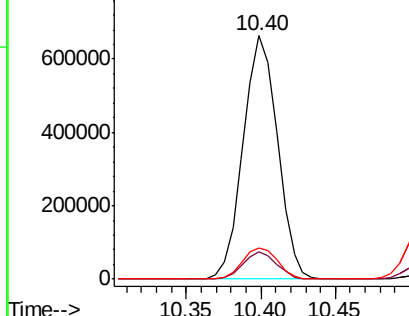


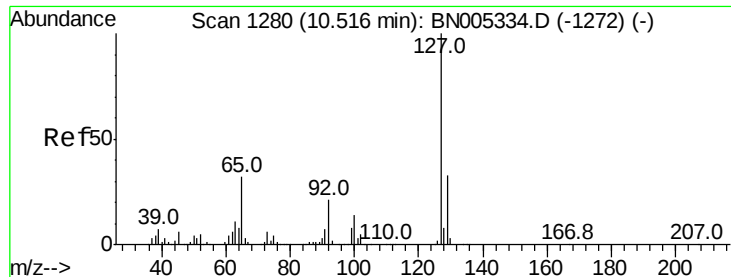
Abundance

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

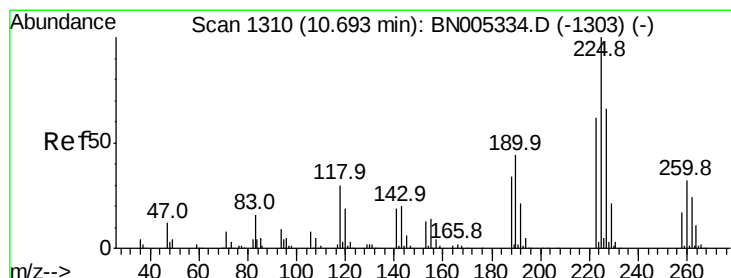
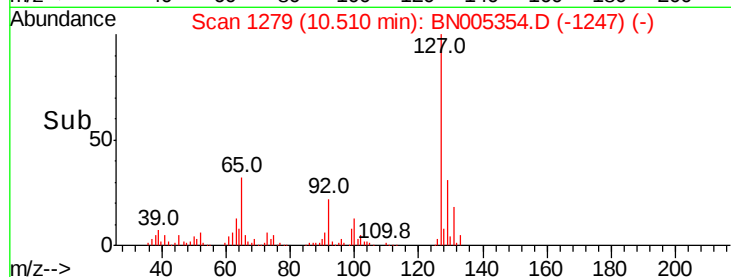
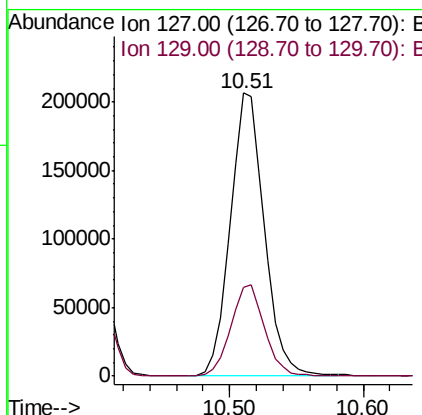
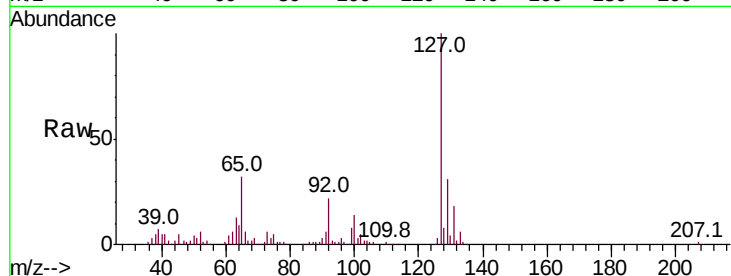




#30  
4-Chloroaniline  
Concen: 19.392 ng/ul  
RT: 10.51 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

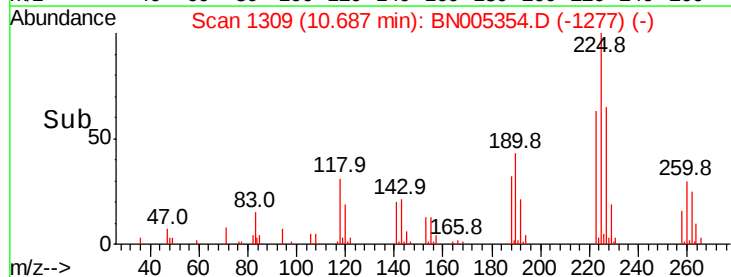
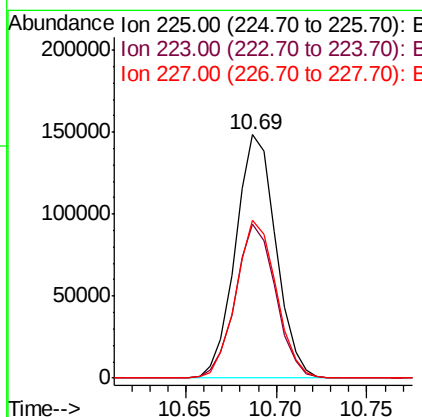
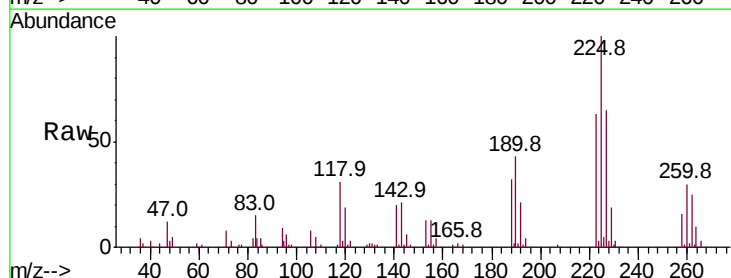
Instrument :  
BNA\_N  
ClientSampleId :

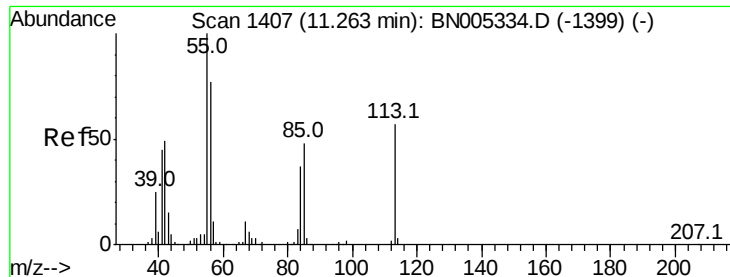
Tot Ion:127 Resp: 366913  
Ion Ratio Lower Upper  
127 100  
129 31.3 25.8 38.6



#31  
Hexachlorobutadiene  
Concen: 18.313 ng/ul  
RT: 10.69 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Tgt Ion:225 Resp: 229895  
Ion Ratio Lower Upper  
225 100  
223 63.4 48.5 72.7  
227 64.9 51.0 76.6





#32

Caprolactam

Concen: 20.809 ng/ul

RT: 11.26 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

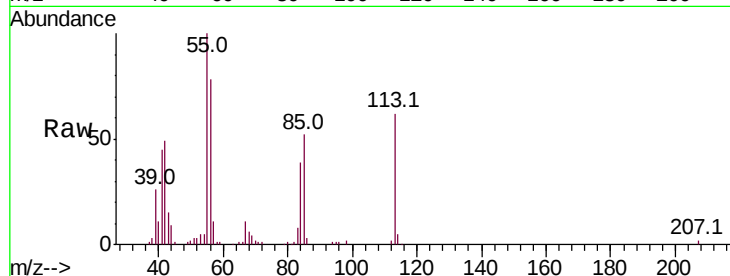
Tot Ion:113 Resp: 111925

Ion Ratio Lower Upper

113 100

55 161.5 157.0 235.4

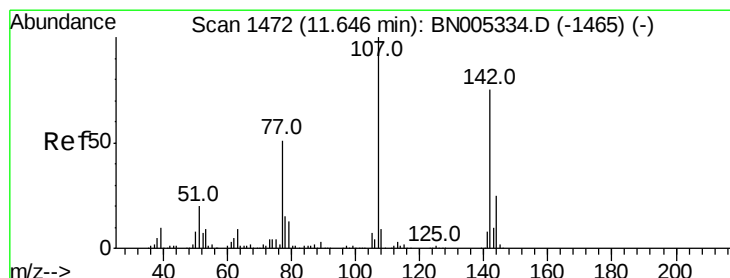
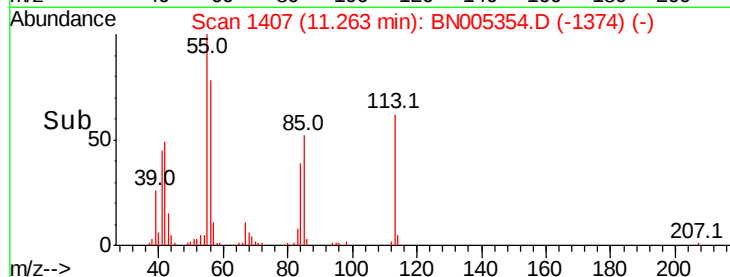
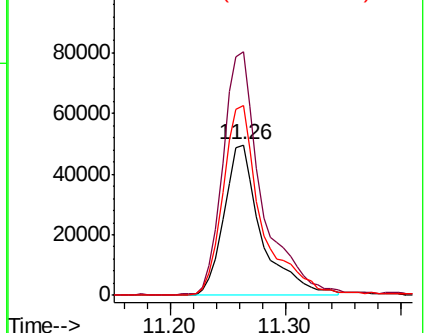
56 126.4 119.1 178.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#33

4-Chloro-3-methylphenol

Concen: 17.793 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

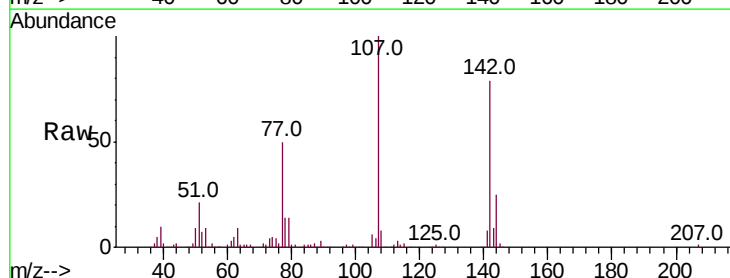
Tgt Ion:107 Resp: 356174

Ion Ratio Lower Upper

107 100

144 25.3 19.4 29.0

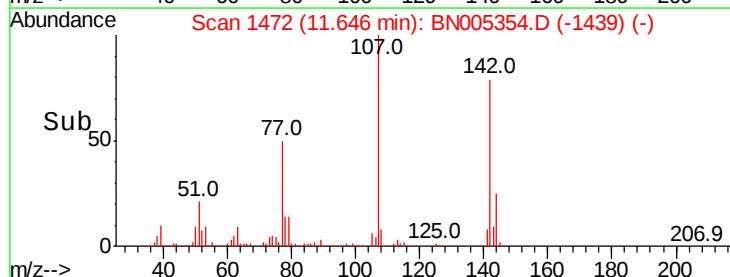
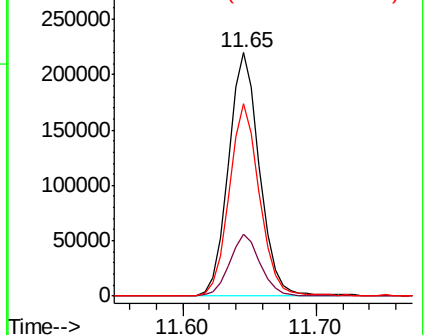
142 79.2 57.7 86.5

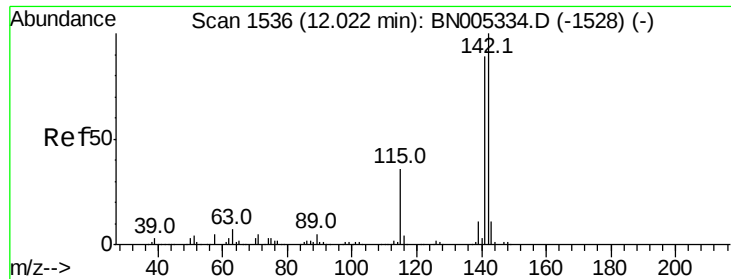


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

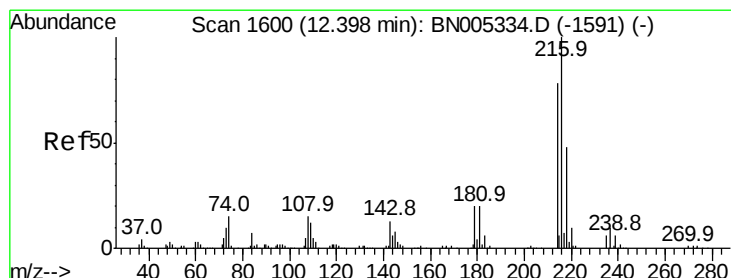
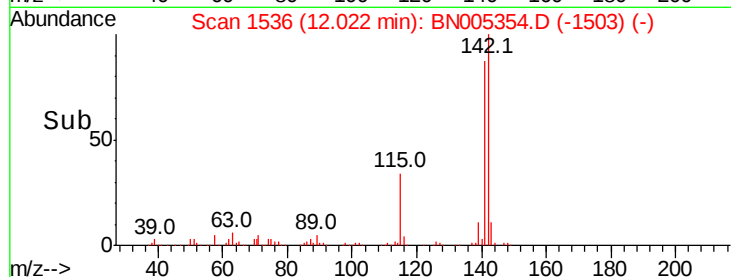
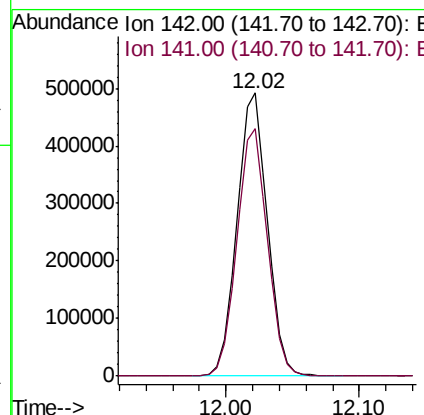
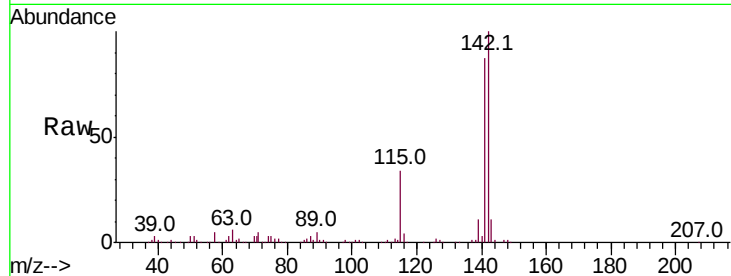




#34  
 2-Methylnaphthalene  
 Concen: 18.143 ng/ul  
 RT: 12.02 min Scan# 1536  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

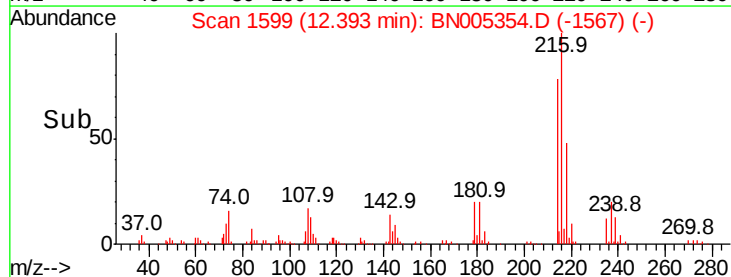
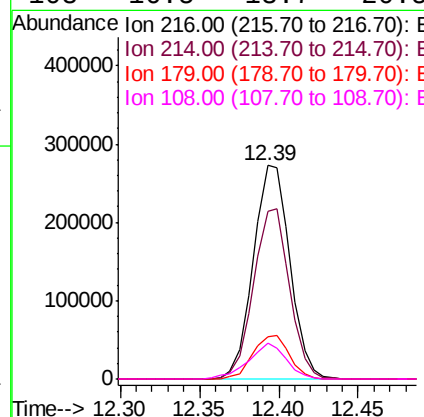
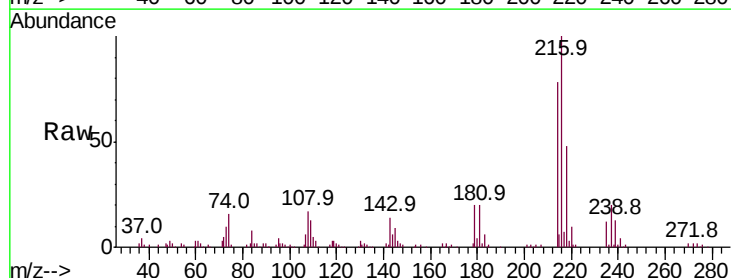
Instrument :  
 BNA\_N  
 ClientSampleId :

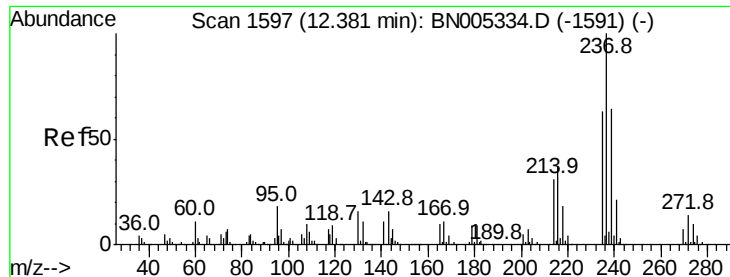
Tot Ion:142 Resp: 777761  
 Ion Ratio Lower Upper  
 142 100  
 141 87.4 72.0 108.0



#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 18.636 ng/ul  
 RT: 12.39 min Scan# 1599  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Tgt Ion:216 Resp: 439474  
 Ion Ratio Lower Upper  
 216 100  
 214 78.4 64.1 96.1  
 179 19.8 17.4 26.0  
 108 16.5 13.7 20.5





#37

Hexachlorocyclopentadiene

Concen: 22.569 ng/ul

RT: 12.38 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

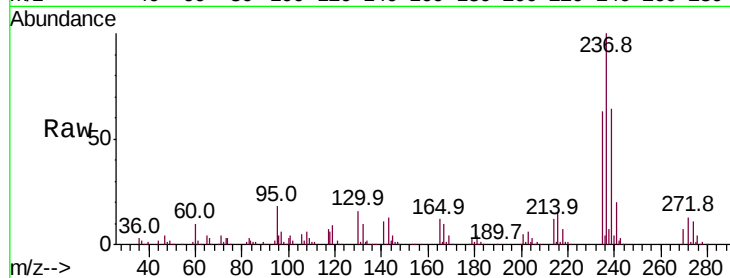
Tot Ion:237 Resp: 362874

Ion Ratio Lower Upper

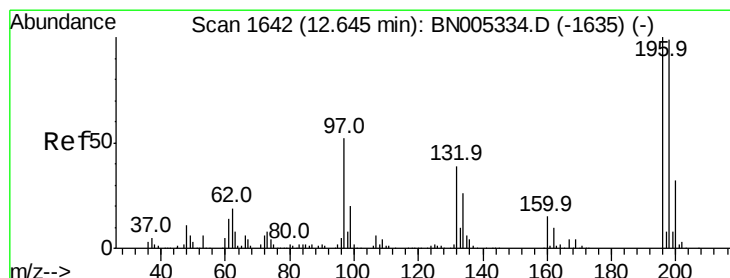
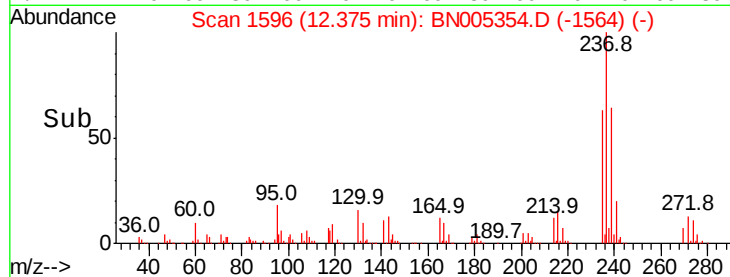
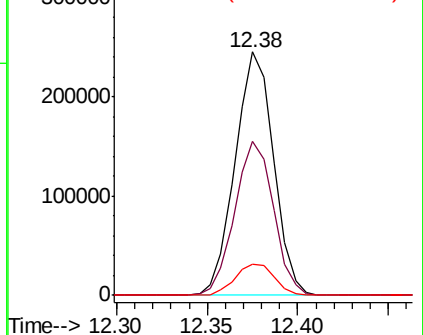
237 100

235 63.0 51.1 76.7

272 12.7 9.5 14.3



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: 19.197 ng/ul

RT: 12.64 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

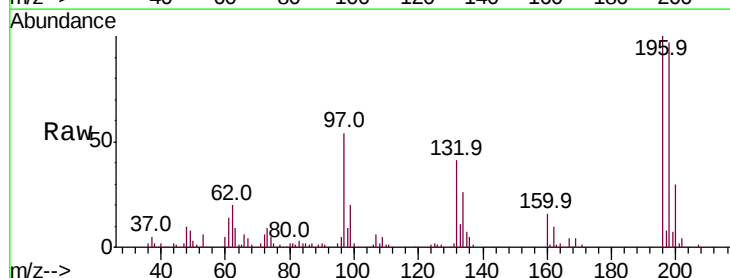
Tgt Ion:196 Resp: 272975

Ion Ratio Lower Upper

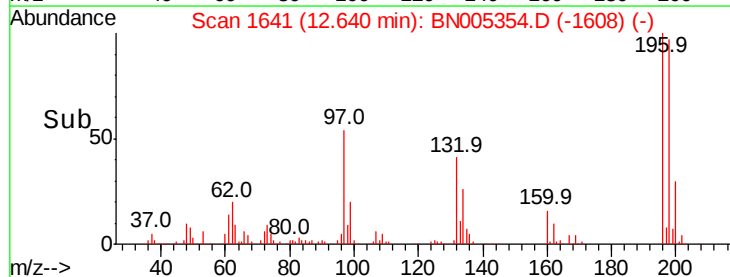
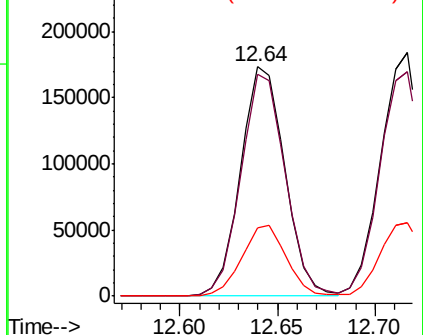
196 100

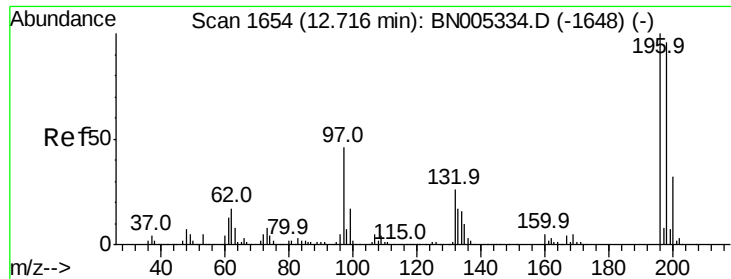
198 96.9 74.8 112.2

200 29.6 23.5 35.3



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

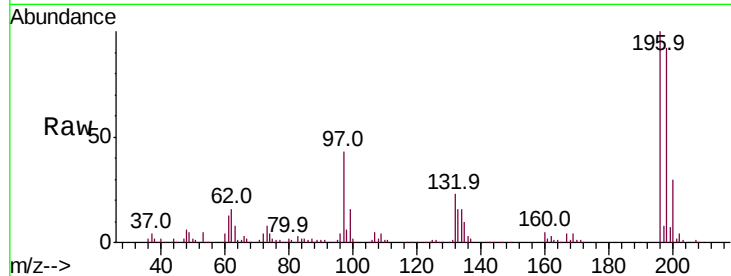




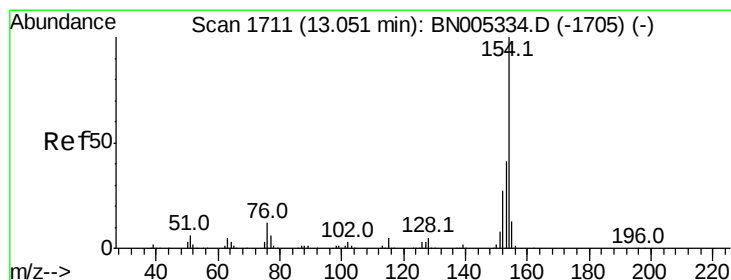
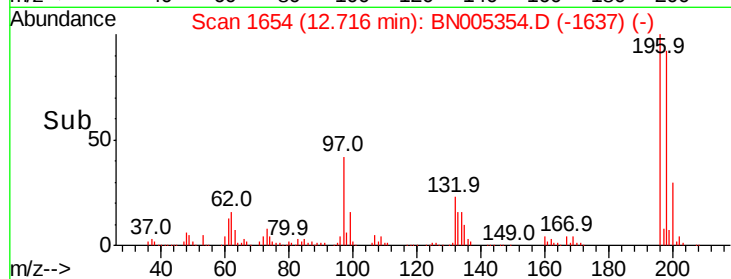
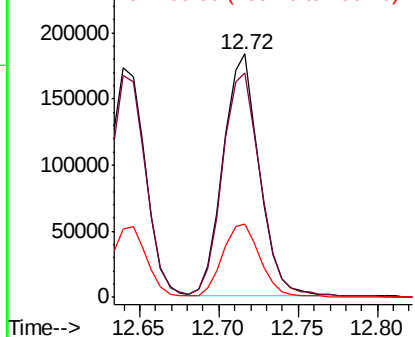
#39  
 2,4,5-Trichlorophenol  
 Concen: 19.006 ng/ul  
 RT: 12.72 min Scan# 1654  
 Delta R.T. 0.00 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:196 Resp: 290411  
 Ion Ratio Lower Upper  
 196 100  
 198 92.0 75.0 112.4  
 200 29.9 24.2 36.4

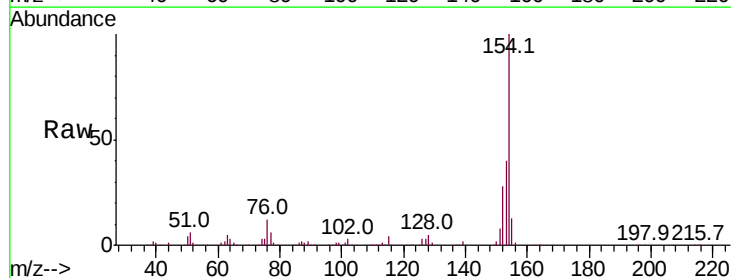


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

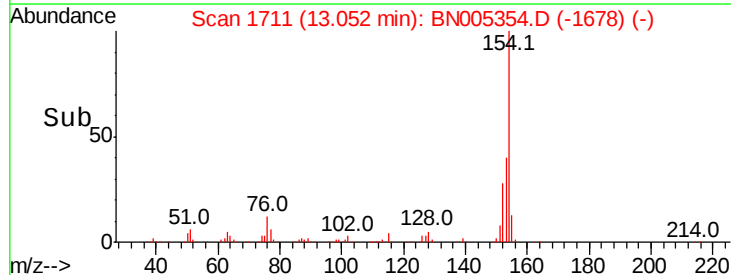
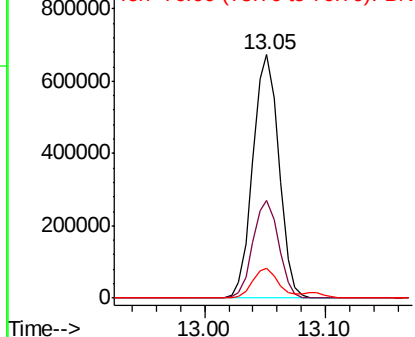


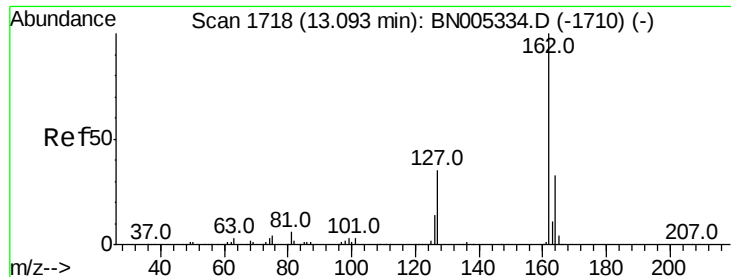
#40  
 1,1'-Biphenyl  
 Concen: 17.932 ng/ul  
 RT: 13.05 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Tgt Ion:154 Resp: 1018131  
 Ion Ratio Lower Upper  
 154 100  
 153 40.1 32.6 49.0  
 76 12.5 10.4 15.6



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

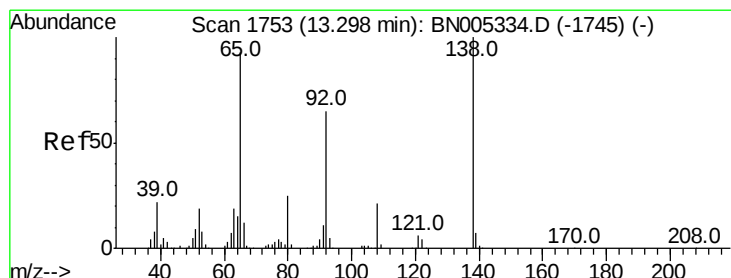
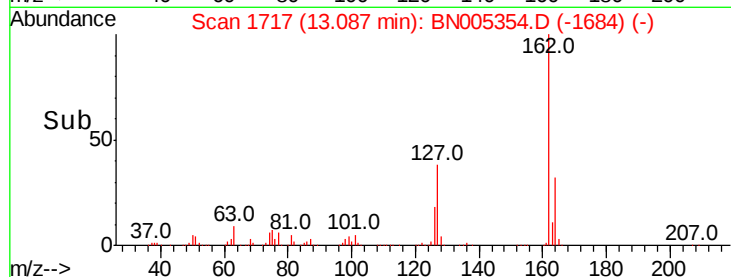
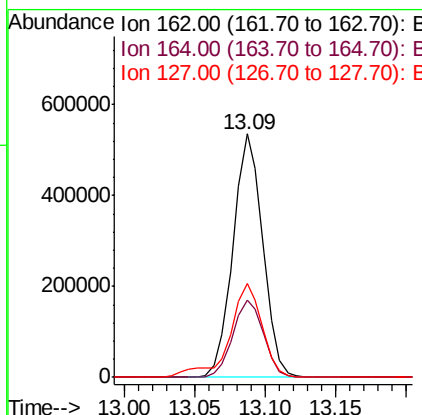
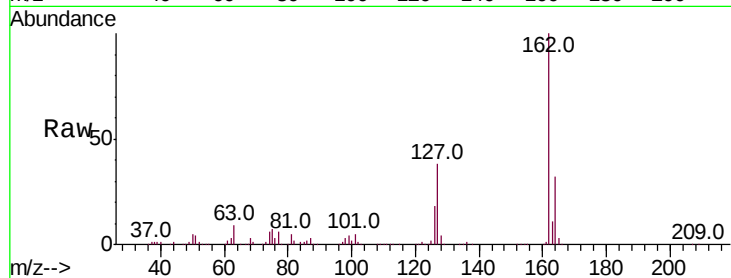




#41  
2-Chloronaphthalene  
Concen: 18.063 ng/ul  
RT: 13.09 min Scan# 1717  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

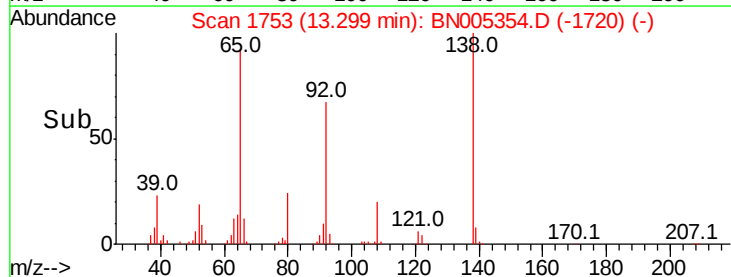
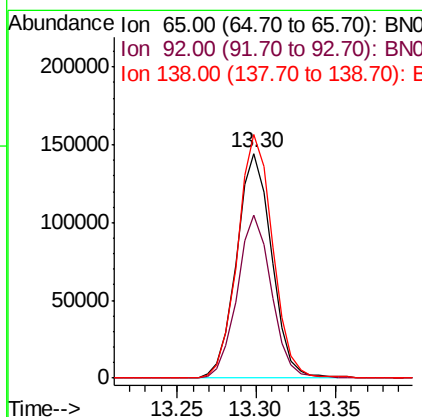
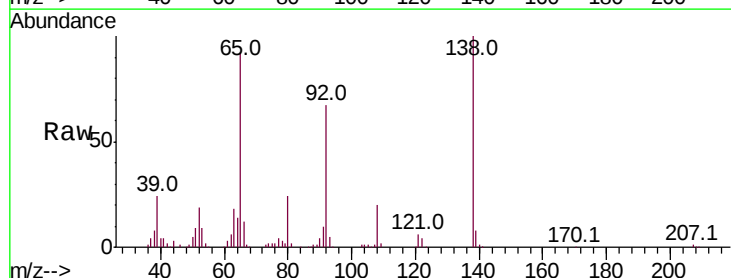
Instrument :  
BNA\_N  
ClientSampleId :

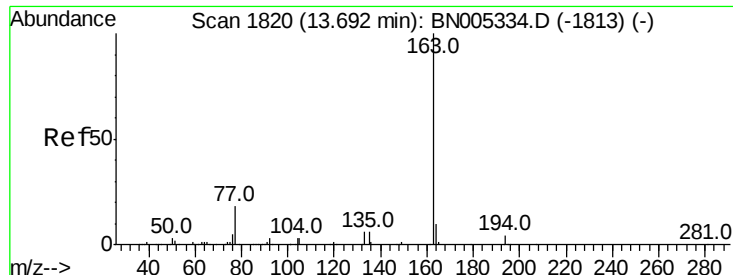
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 31.9  | 26.8  | 40.2  |
| 127     | 38.3  | 33.5  | 50.3  |



#42  
2-Nitroaniline  
Concen: 19.172 ng/ul  
RT: 13.30 min Scan# 1753  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 72.3  | 51.6  | 77.4  |
| 138     | 108.4 | 73.9  | 110.9 |





#44

Dimethylphthalate

Concen: 17.637 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

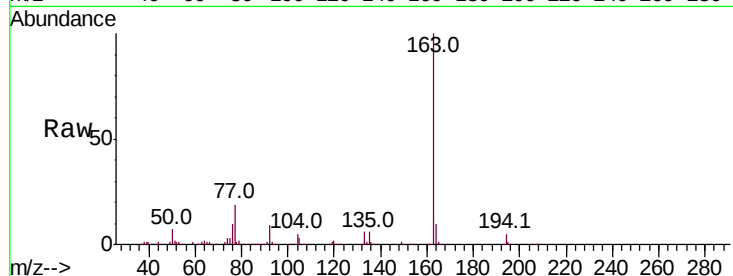
Tot Ion:163 Resp: 972115

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

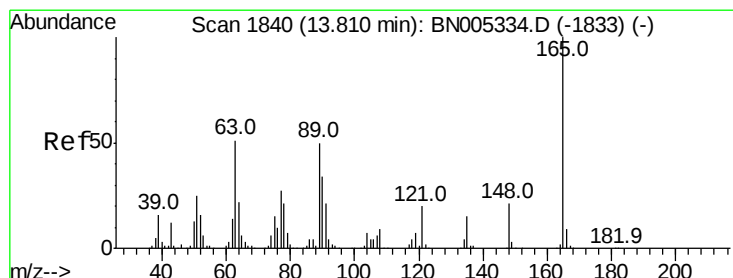
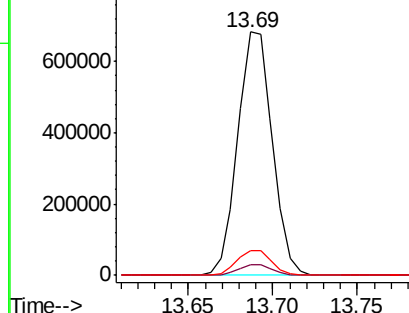
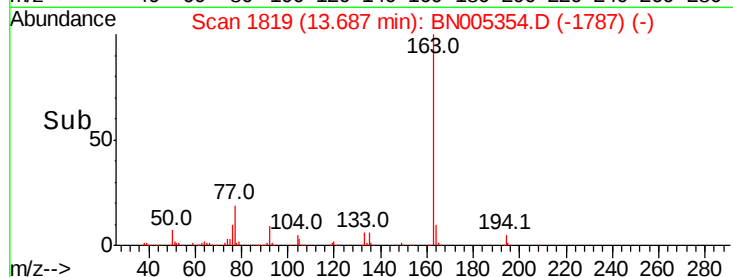
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 21.257 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

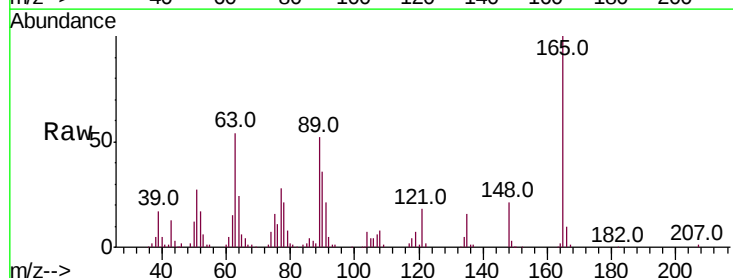
Tgt Ion:165 Resp: 202301

Ion Ratio Lower Upper

165 100

89 51.5 50.2 75.2

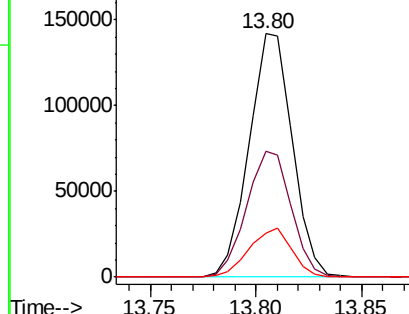
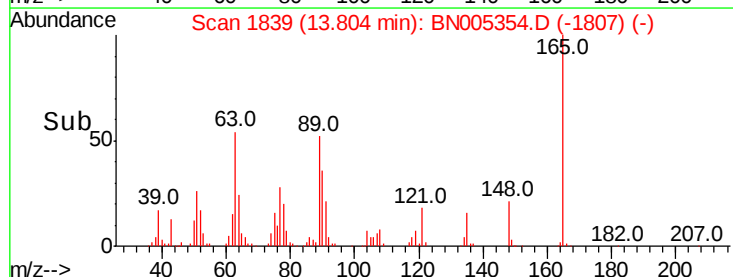
121 17.9 19.4 29.2#

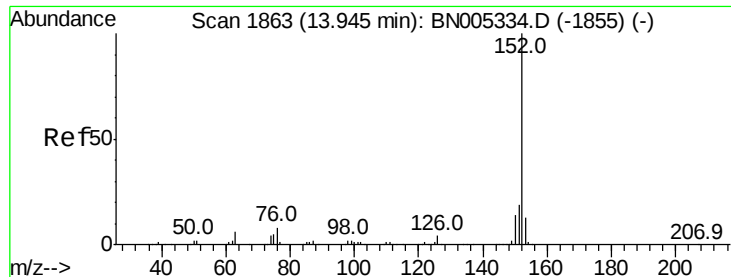


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 18.265 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

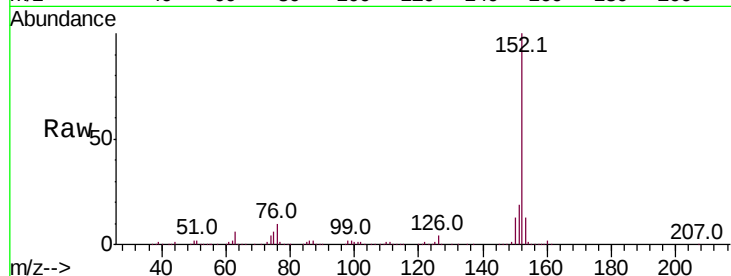
Tot Ion:152 Resp: 1219488

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.8

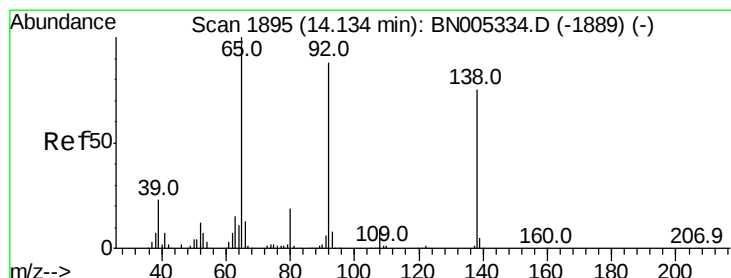
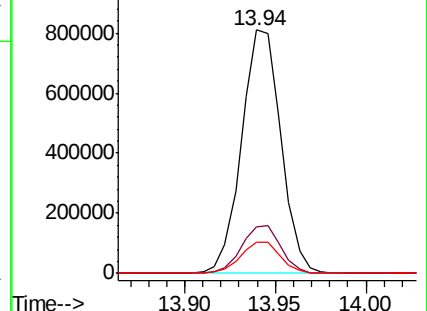
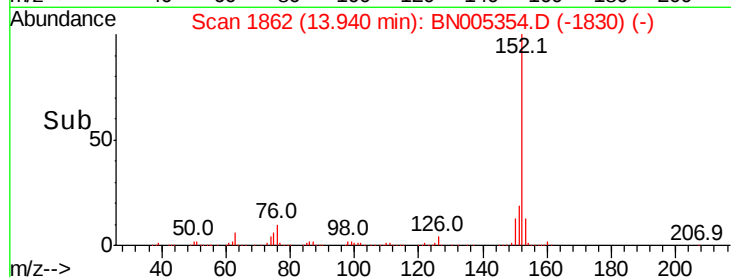
153 12.9 9.8 14.8



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: 20.691 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

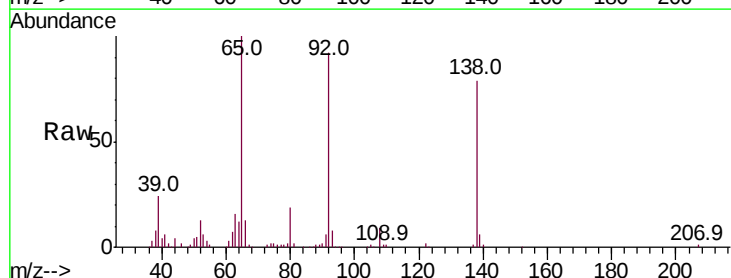
Tgt Ion:138 Resp: 183061

Ion Ratio Lower Upper

138 100

108 11.2 12.1 18.1#

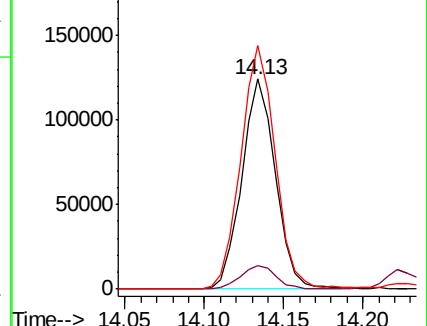
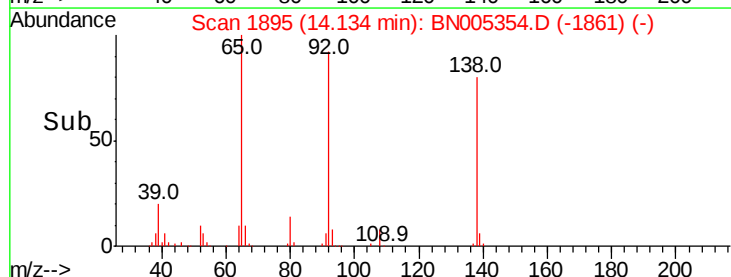
92 115.8 102.9 154.3

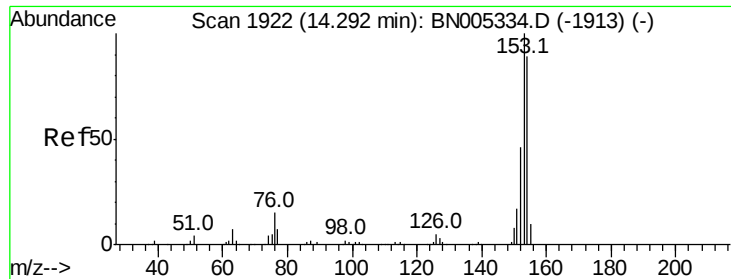


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO





#49

Acenaphthene

Concen: 18.125 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

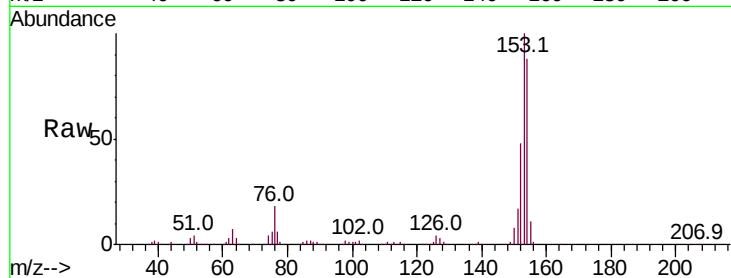
Tot Ion:153 Resp: 826160

Ion Ratio Lower Upper

153 100

152 47.7 37.4 56.0

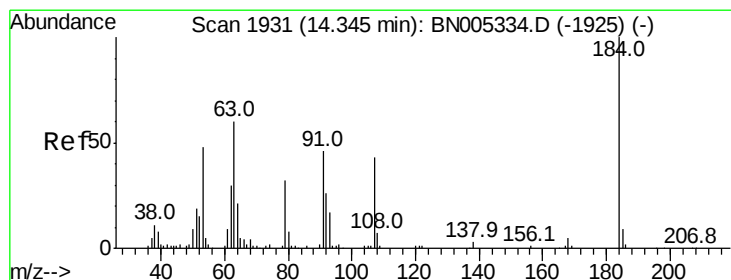
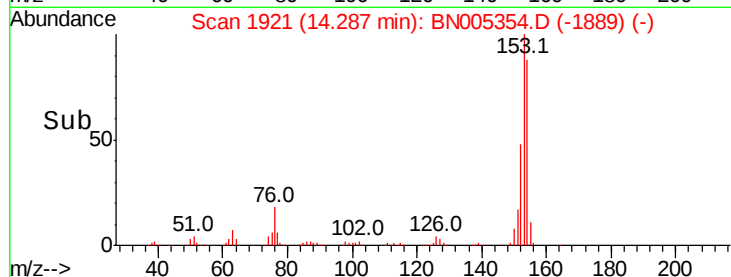
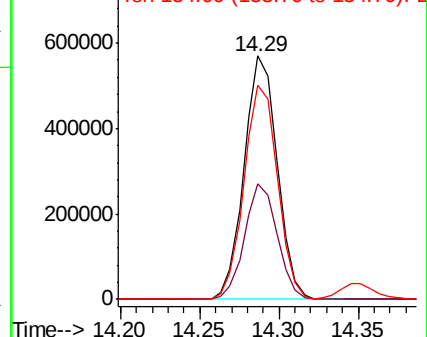
154 88.0 71.2 106.8



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: 19.273 ng/ul

RT: 14.35 min Scan# 1931

Delta R.T. 0.00 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

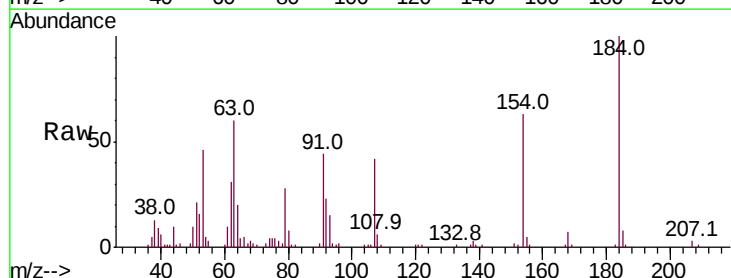
Tgt Ion:184 Resp: 89348

Ion Ratio Lower Upper

184 100

63 60.2 59.8 89.8

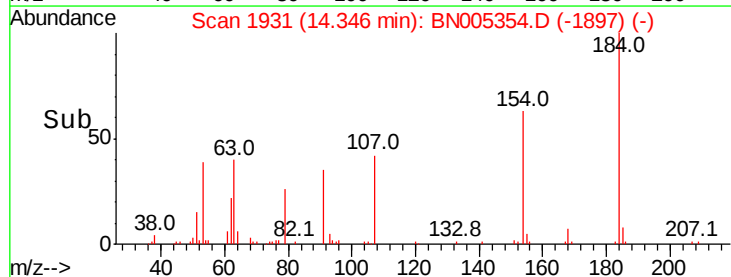
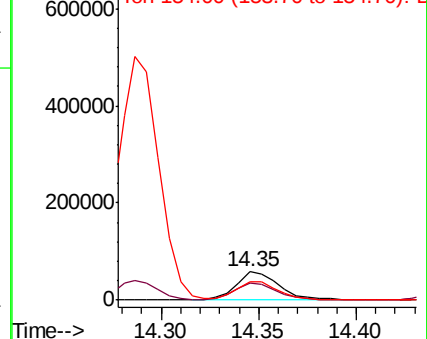
154 63.4 56.3 84.5

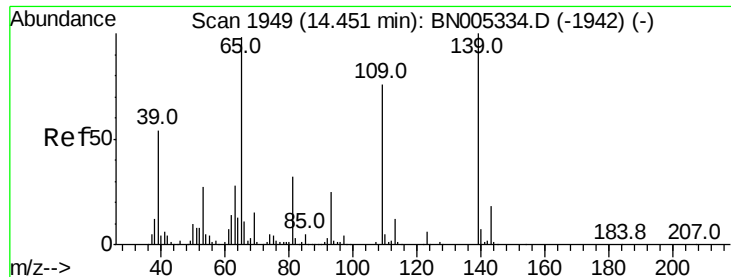


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 17.193 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampled :

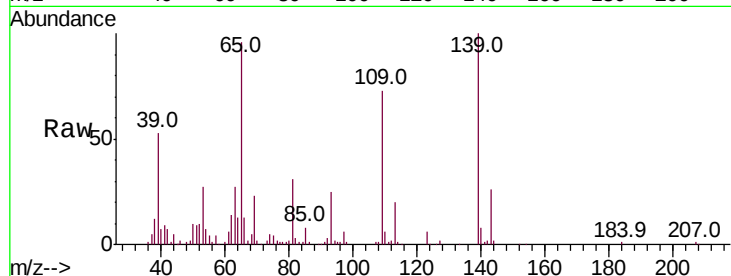
Tot Ion:109 Resp: 136303

Ion Ratio Lower Upper

109 100

139 137.3 92.3 138.5

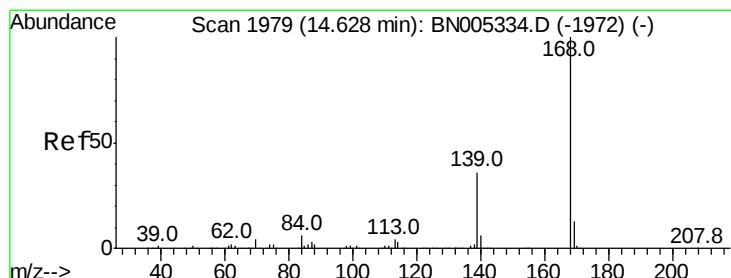
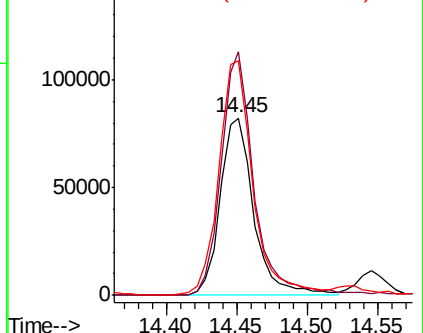
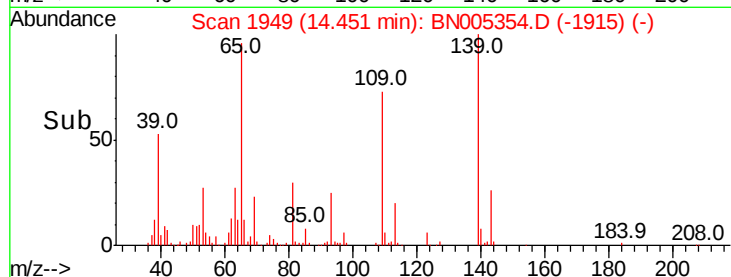
65 132.4 97.5 146.3



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: 18.106 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005354.D

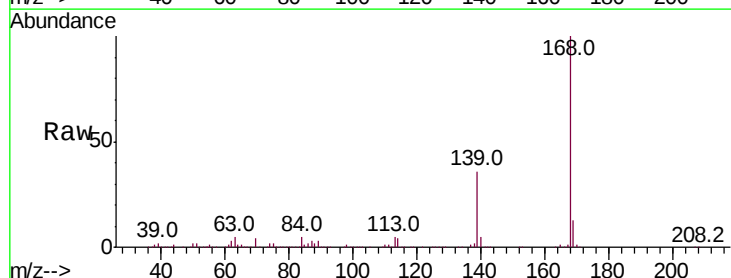
Acq: 29 Apr 2019 16:52

Tgt Ion:168 Resp: 1188203

Ion Ratio Lower Upper

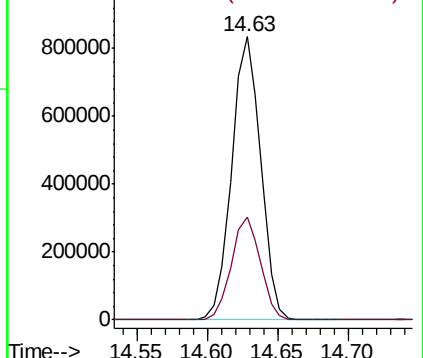
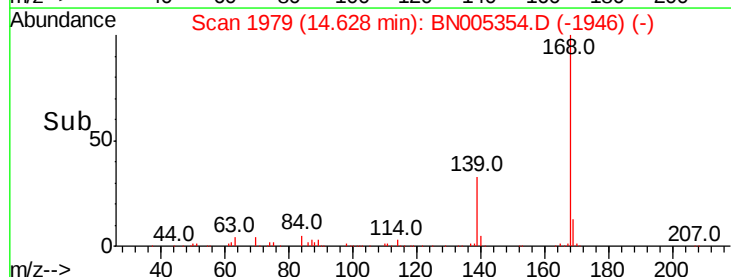
168 100

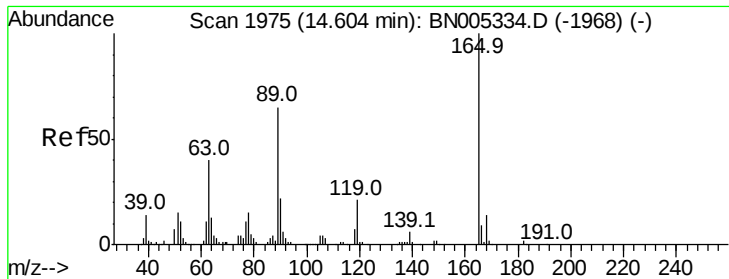
139 36.5 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 21.123 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampled :

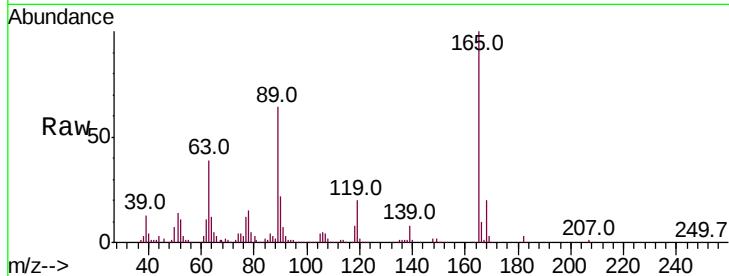
Tot Ion:165 Resp: 289803

Ion Ratio Lower Upper

165 100

63 39.4 38.9 58.3

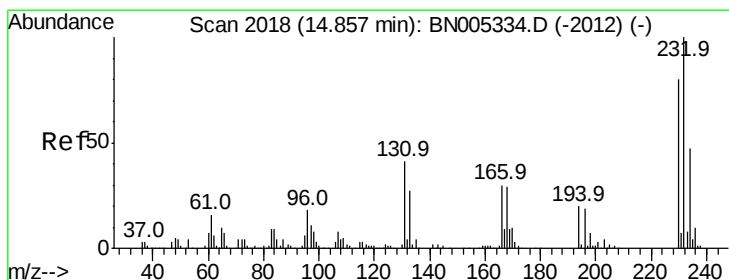
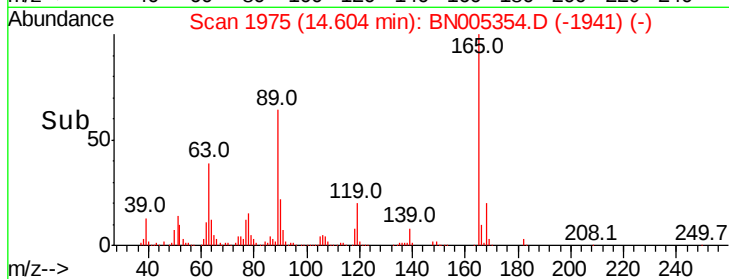
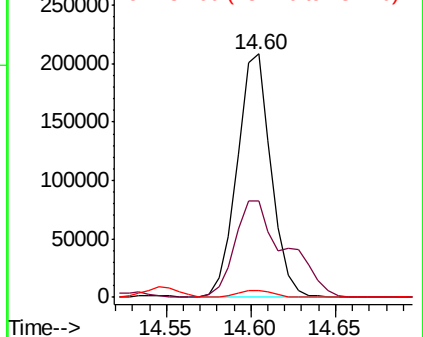
182 2.9 2.6 3.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): B

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 20.380 ng/ul

RT: 14.86 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Tgt Ion:232 Resp: 259072

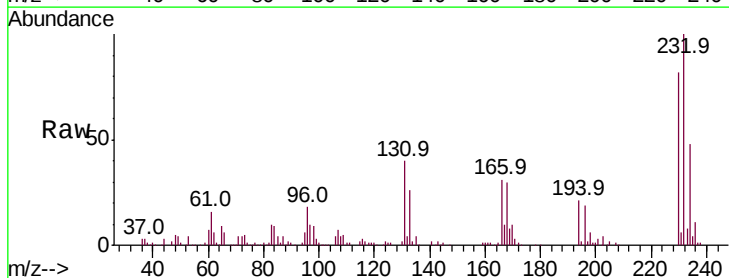
Ion Ratio Lower Upper

232 100

131 40.4 36.6 54.8

130 1.8 2.0 3.0#

166 30.5 26.6 39.8

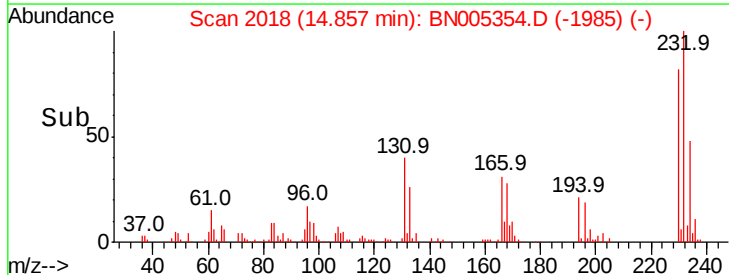
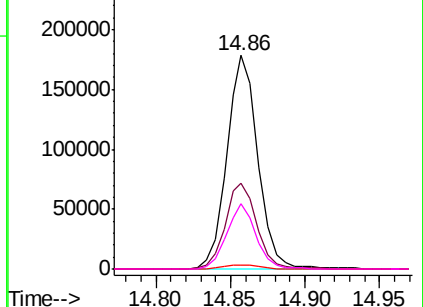


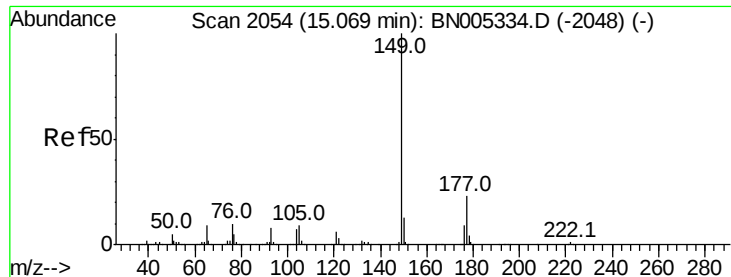
Abundance Ion 232.00 (231.70 to 232.70): E

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

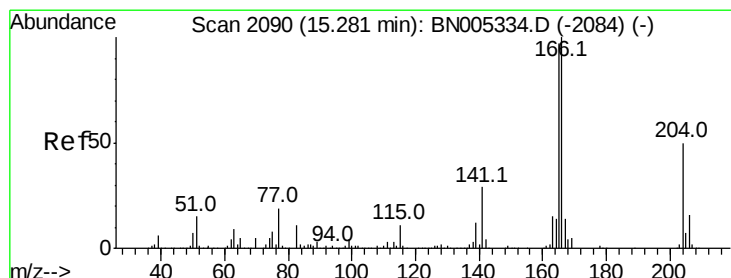
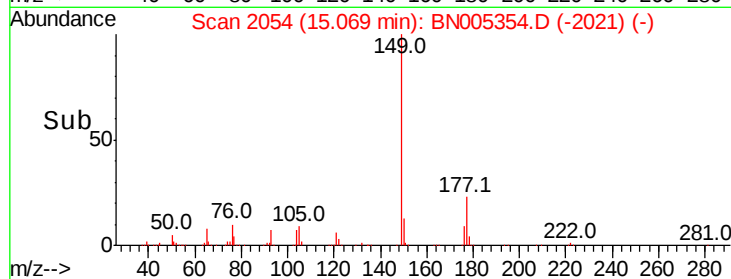
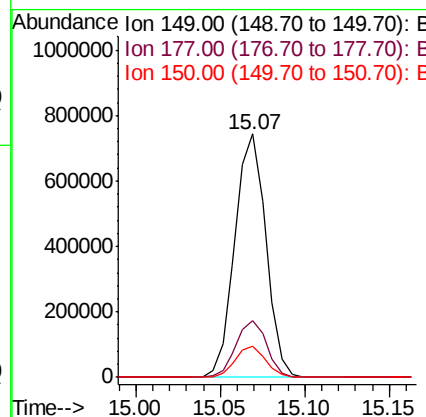
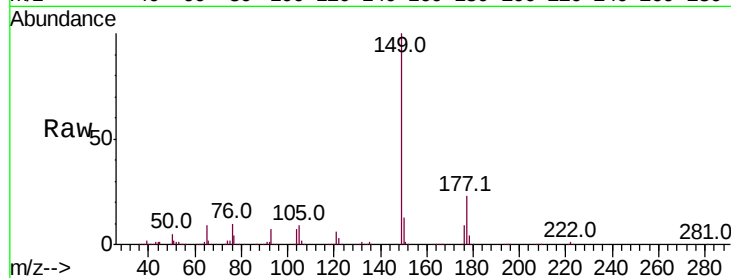




#56  
Diethylphthalate  
Concen: 17.217 ng/ul  
RT: 15.07 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

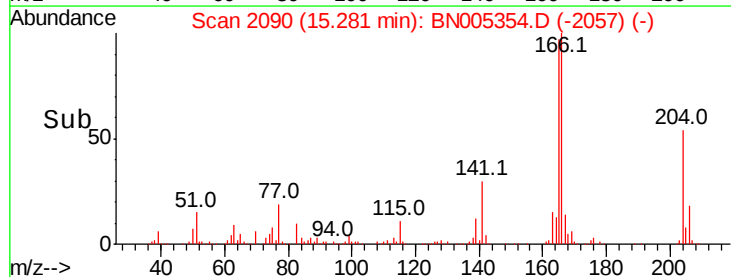
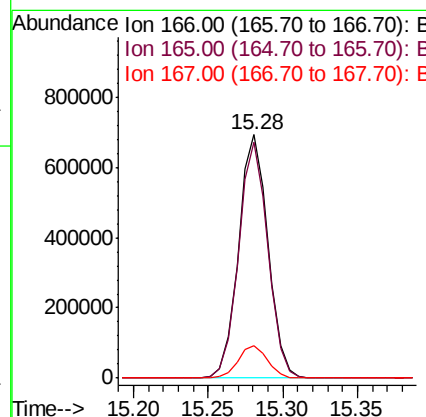
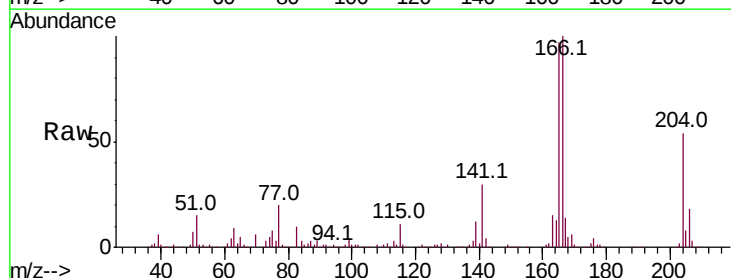
Instrument :  
BNA\_N  
ClientSampled :

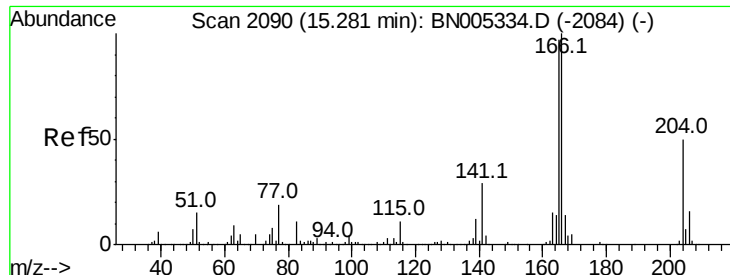
Tot Ion:149 Resp: 951521  
Ion Ratio Lower Upper  
149 100  
177 23.3 17.7 26.5  
150 12.8 10.0 15.0



#58  
Fluorene  
Concen: 18.525 ng/ul  
RT: 15.28 min Scan# 2090  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Tgt Ion:166 Resp: 948648  
Ion Ratio Lower Upper  
166 100  
165 97.0 80.0 120.0  
167 13.6 10.7 16.1

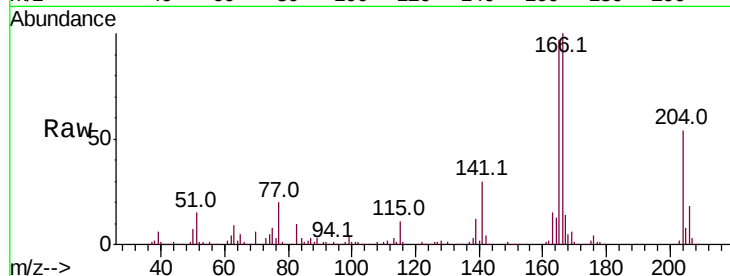




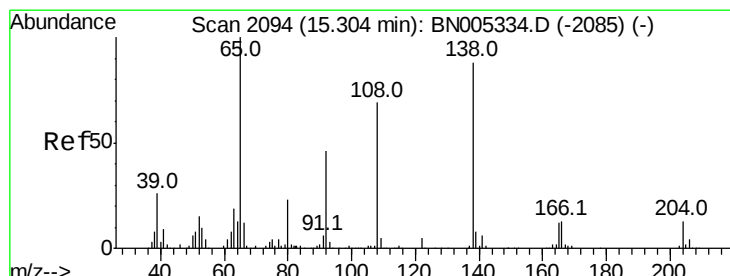
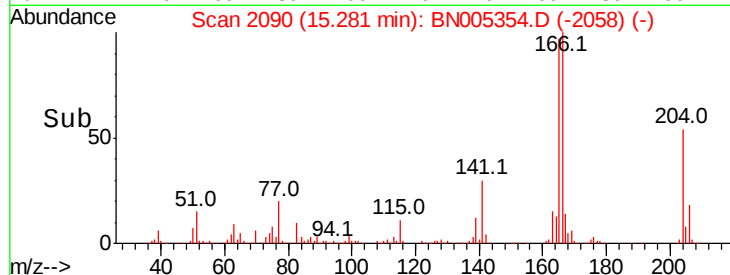
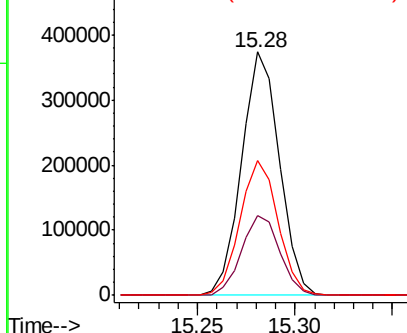
#59  
4-Chlorophenyl-phenylether  
Concen: 18.499 ng/ul  
RT: 15.28 min Scan# 2090  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:204 Resp: 502518  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.9 40.3  
141 55.5 47.9 71.9

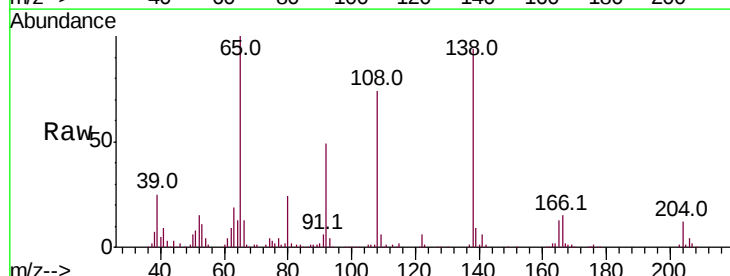


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

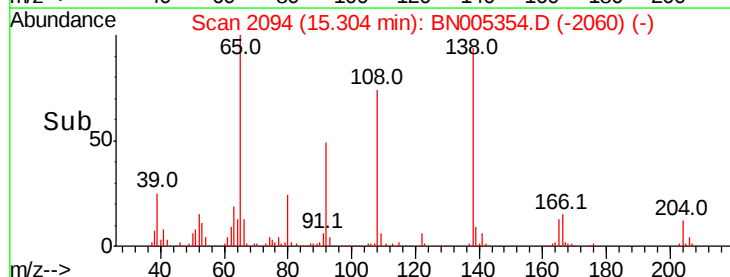
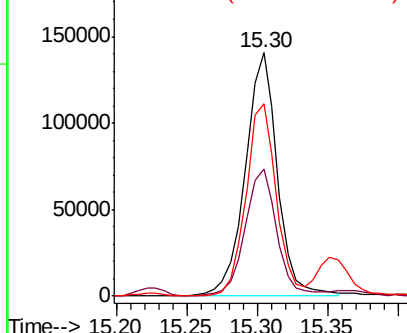


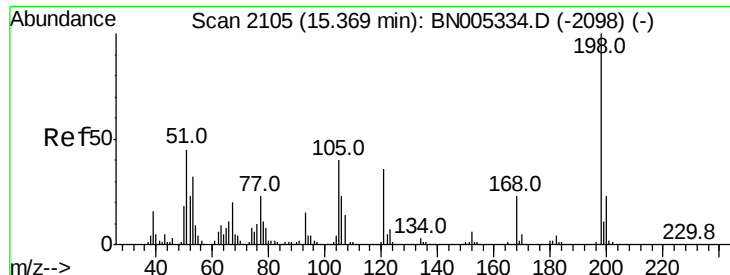
#60  
4-Nitroaniline  
Concen: 20.425 ng/ul  
RT: 15.30 min Scan# 2094  
Delta R.T. 0.00 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Tgt Ion:138 Resp: 225287  
Ion Ratio Lower Upper  
138 100  
92 52.2 45.3 67.9  
108 78.9 73.2 109.8



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

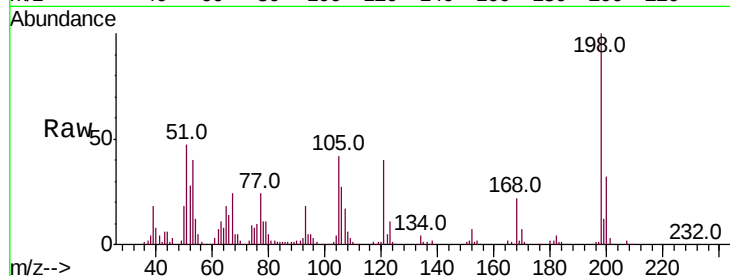




#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 19.323 ng/ul  
 RT: 15.37 min Scan# 2105  
 Delta R.T. 0.00 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Instrument :  
 BNA\_N  
 ClientSampled :

| Tot Ion   | 198  | Resp  | 160840 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 182       | 3.8  | 3.0   | 4.6    |
| 77        | 24.3 | 21.9  | 32.9   |

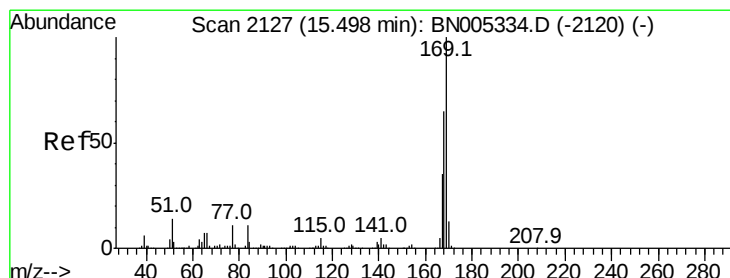
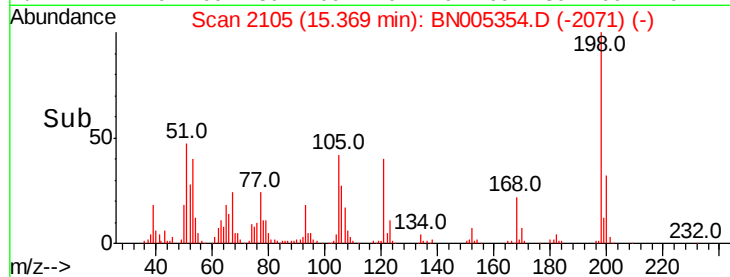
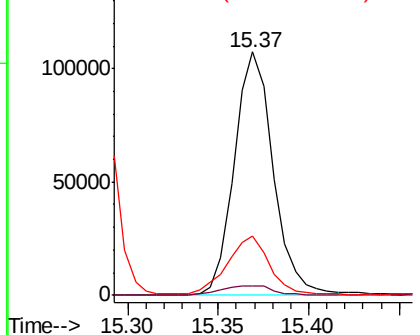


Abundance

Ion 198.00 (197.70 to 198.70): E

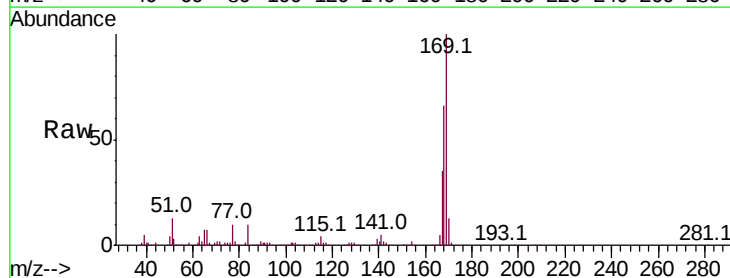
Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#64  
 N-Nitrosodiphenylamine  
 Concen: 17.541 ng/ul  
 RT: 15.50 min Scan# 2127  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion   | 169  | Resp  | 834802 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 168       | 66.0 | 52.2  | 78.2   |
| 167       | 34.7 | 27.7  | 41.5   |

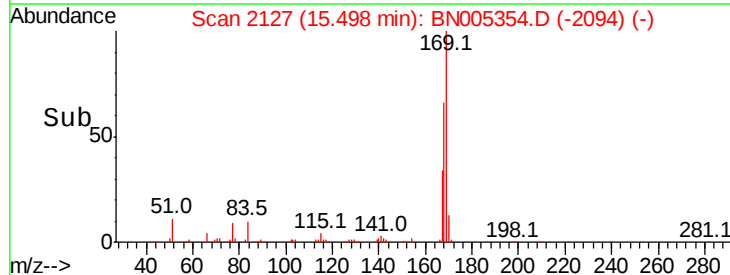
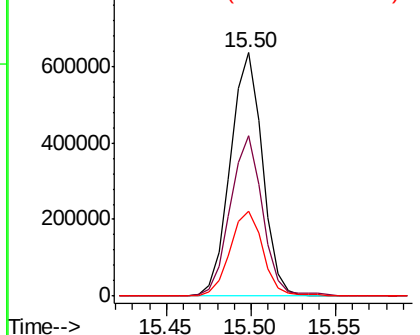


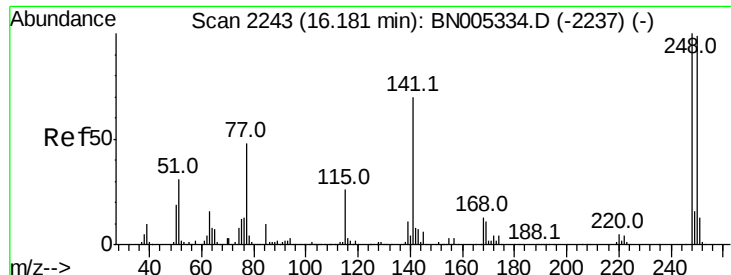
Abundance

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

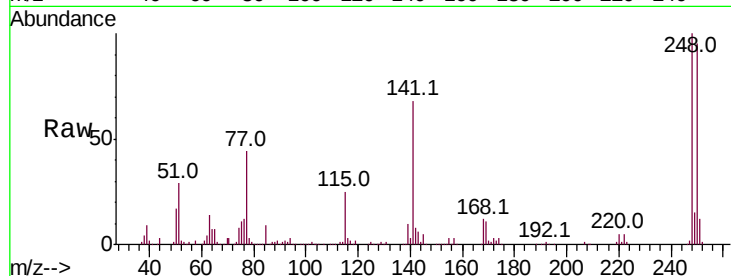




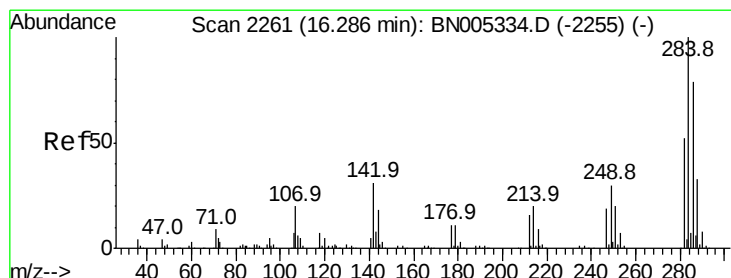
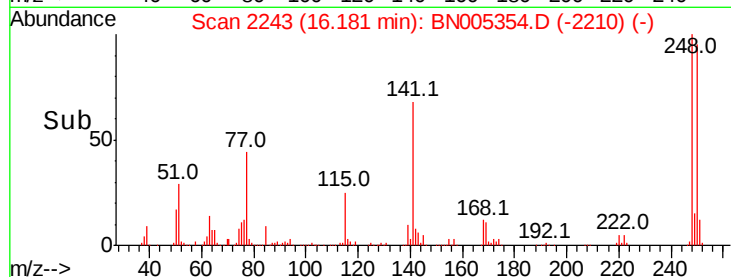
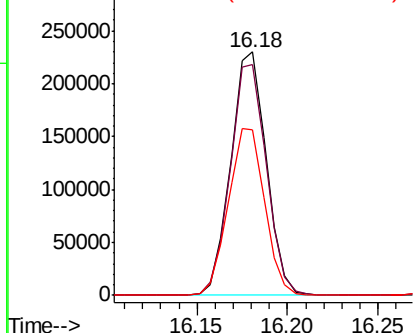
#65  
4-Bromophenyl-phenylether  
Concen: 17.891 ng/ul  
RT: 16.18 min Scan# 2243  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:248 Resp: 313403  
Ion Ratio Lower Upper  
248 100  
250 94.7 78.4 117.6  
141 67.8 61.8 92.6

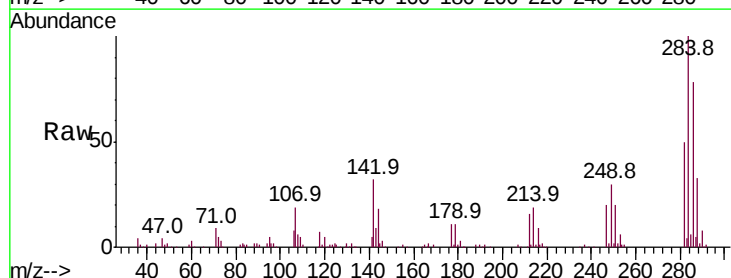


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

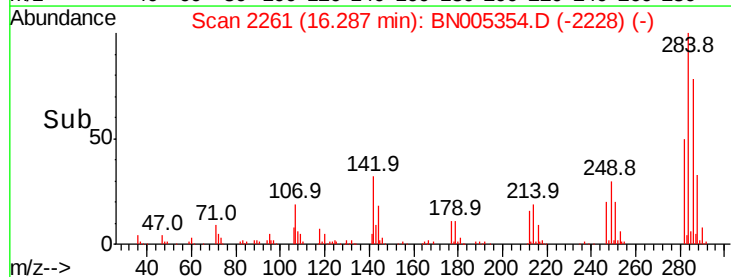
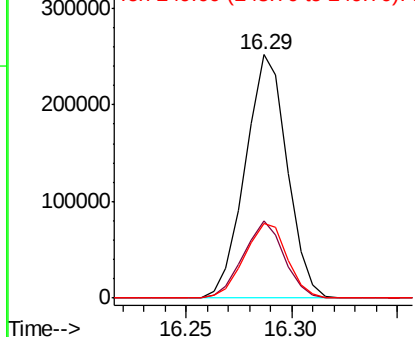


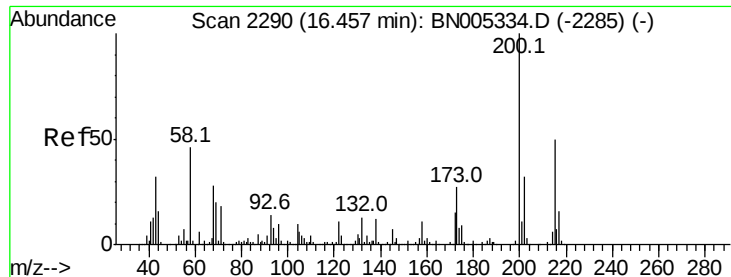
#66  
Hexachlorobenzene  
Concen: 18.614 ng/ul  
RT: 16.29 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BN005354.D  
Acq: 29 Apr 2019 16:52

Tgt Ion:284 Resp: 347216  
Ion Ratio Lower Upper  
284 100  
142 31.9 29.4 44.2  
249 30.4 26.1 39.1



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

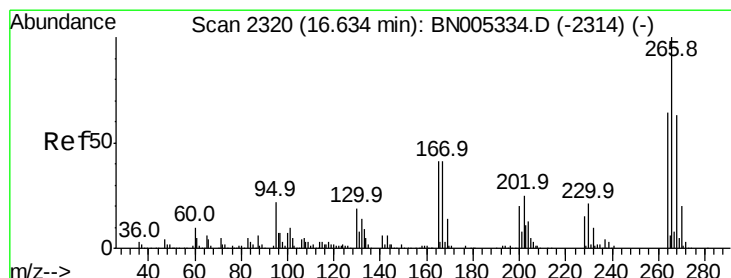
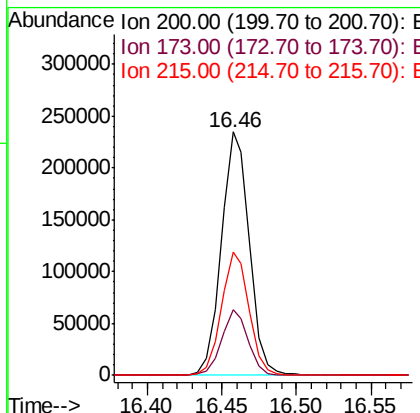
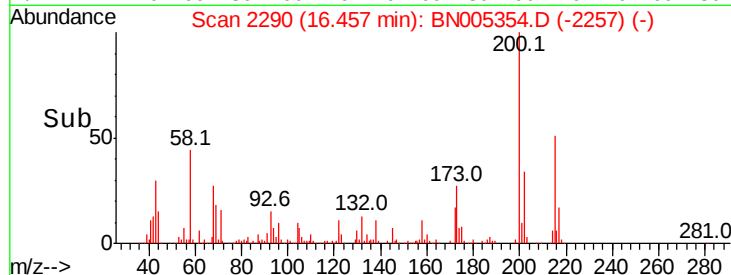
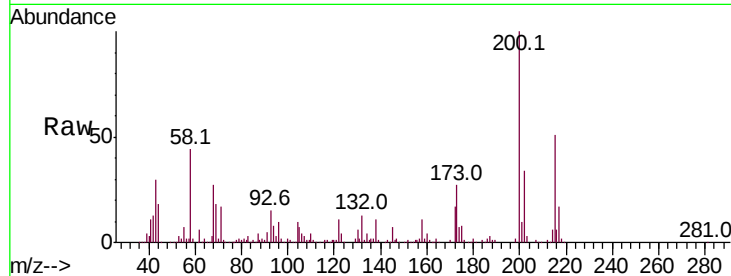




#67  
 Atrazine  
 Concen: 17.368 ng/ul  
 RT: 16.46 min Scan# 2290  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

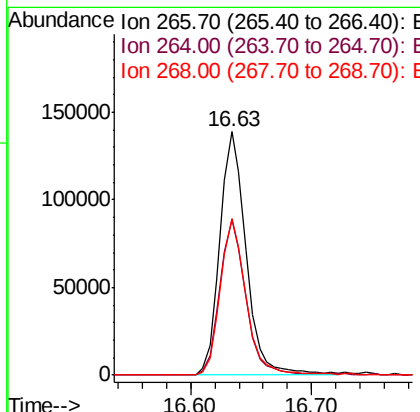
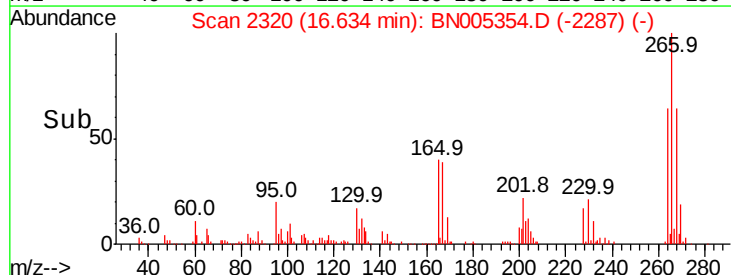
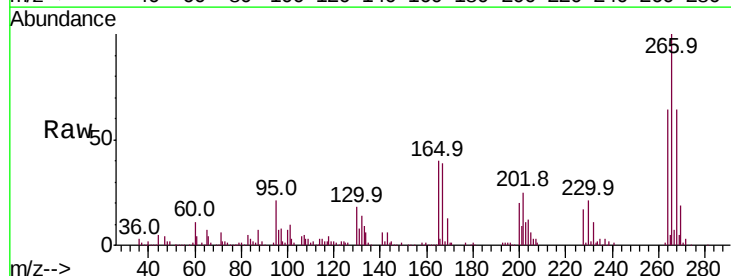
Instrument :  
 BNA\_N  
 ClientSampleId :

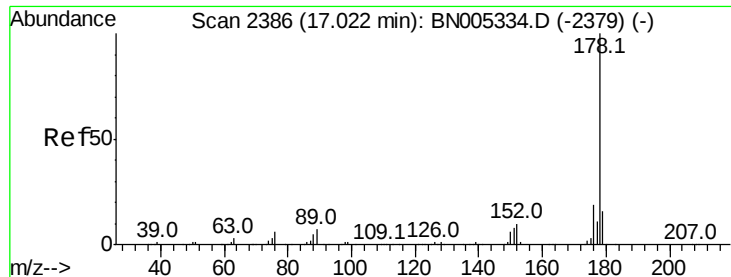
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.9  | 21.4  | 32.0  |
| 215     | 50.8  | 39.1  | 58.7  |



#68  
 Pentachlorophenol  
 Concen: 19.210 ng/ul  
 RT: 16.63 min Scan# 2320  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.8  | 49.7  | 74.5  |
| 268     | 64.1  | 52.4  | 78.6  |





#69

Phenanthrene

Concen: 18.038 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

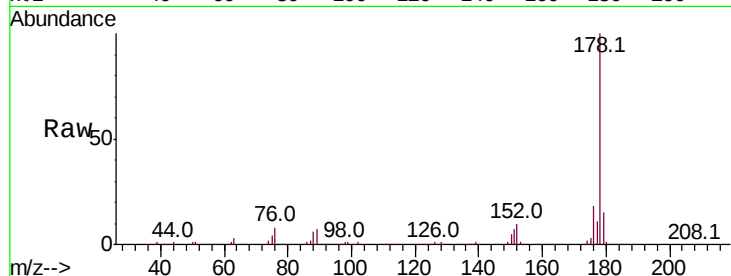
Tot Ion:178 Resp: 1527572

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.4

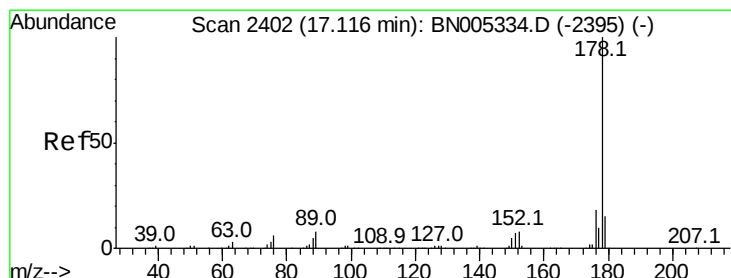
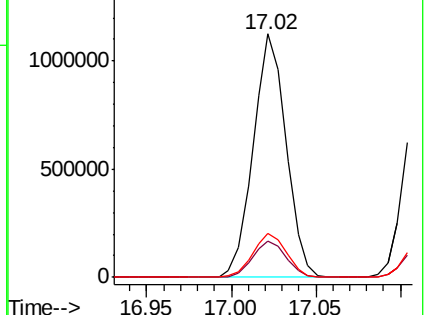
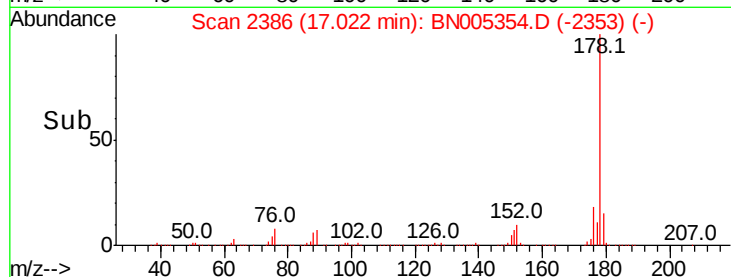
176 18.3 15.1 22.7



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: 18.145 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

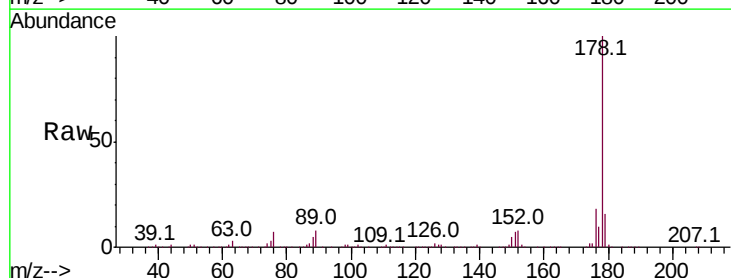
Tgt Ion:178 Resp: 1565340

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

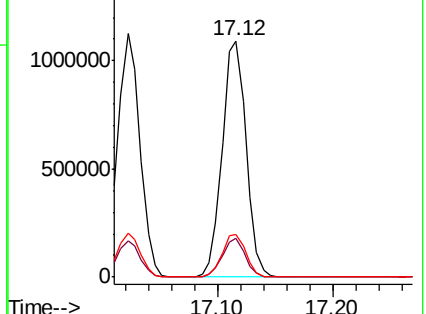
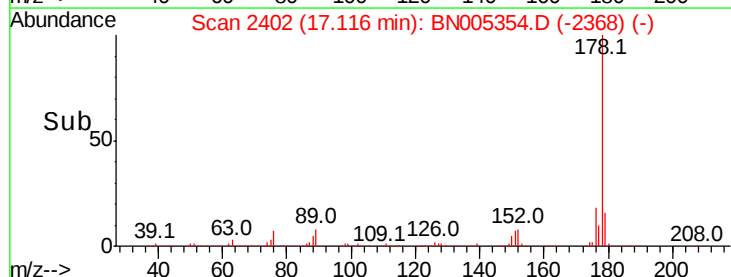
176 18.0 15.1 22.7

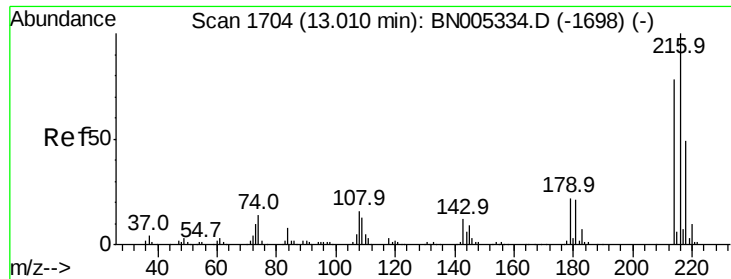


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

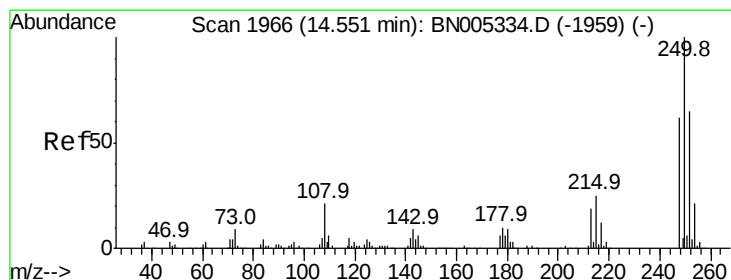
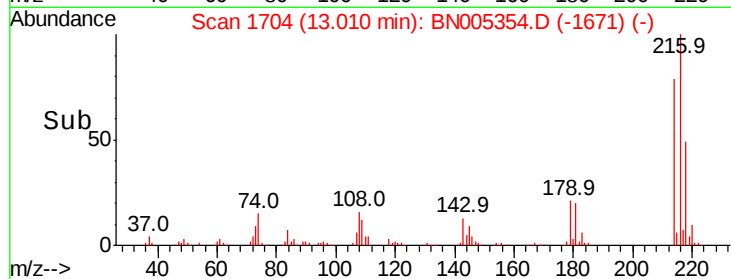
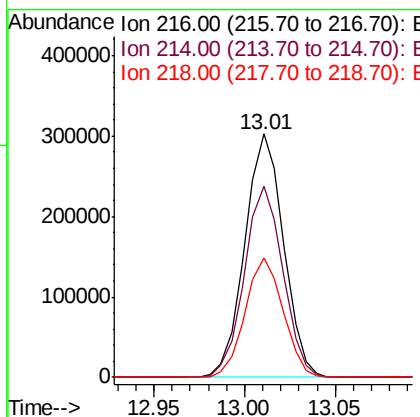
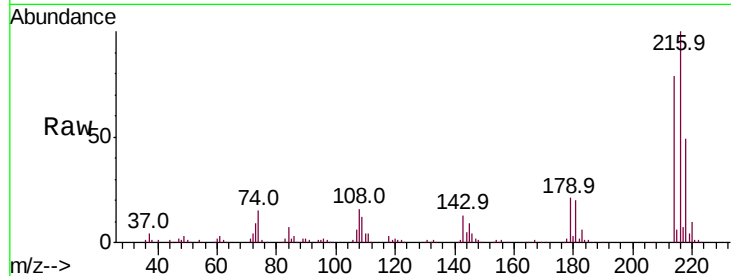




#72  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 17.714 ng/uL  
 RT: 13.01 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

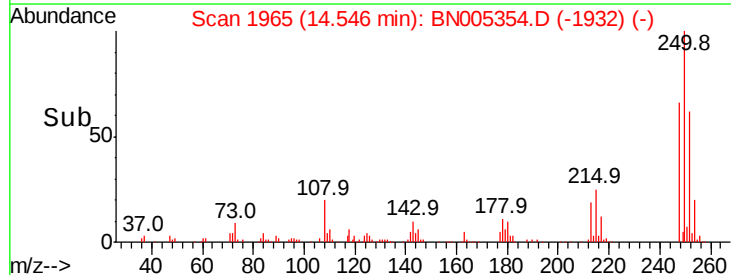
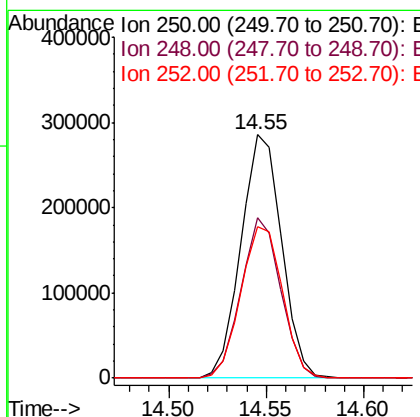
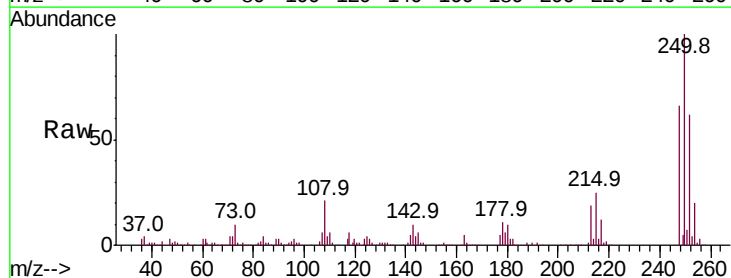
Instrument :  
 BNA\_N  
 ClientSampleId :

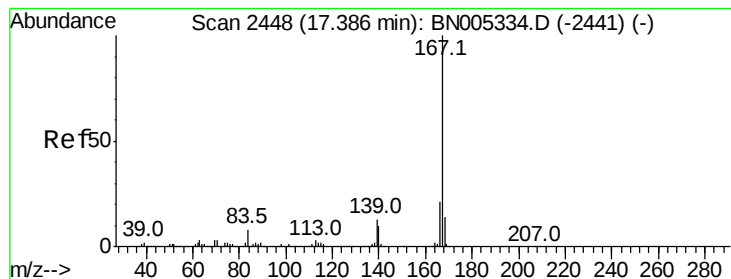
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.7  | 60.8  | 91.2  |
| 218     | 49.2  | 38.6  | 58.0  |



#73  
 Pentachlorobenzene  
 Concen: 18.067 ng/uL  
 RT: 14.55 min Scan# 1965  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 65.7  | 50.6  | 75.8  |
| 252     | 62.3  | 51.8  | 77.8  |





#74

Carbazole

Concen: 18.717 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

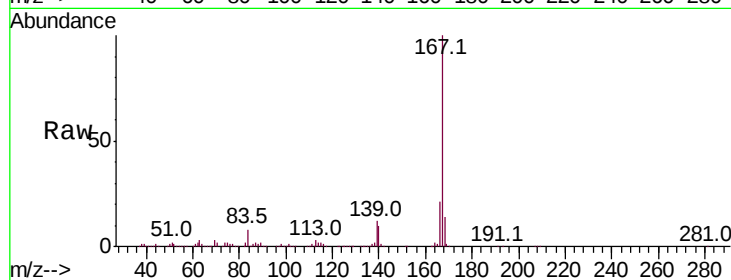
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:167 Resp: 1387027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 20.8  | 17.2  | 25.8  |
| 139 | 12.4  | 10.6  | 16.0  |

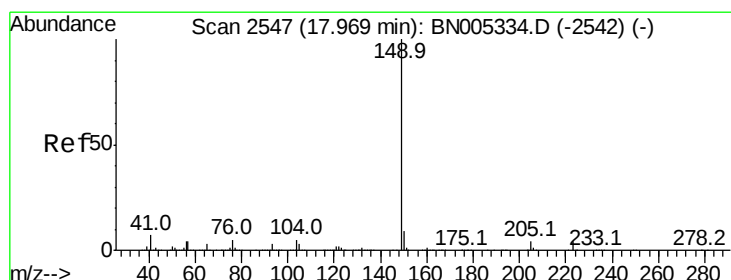
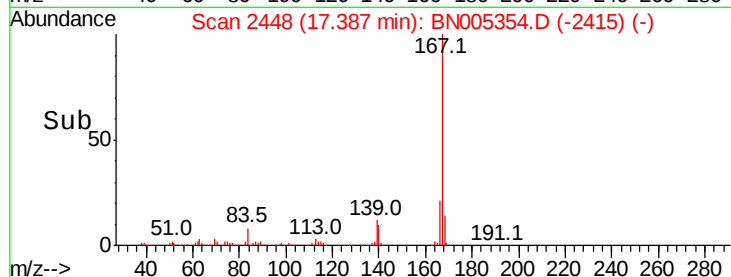
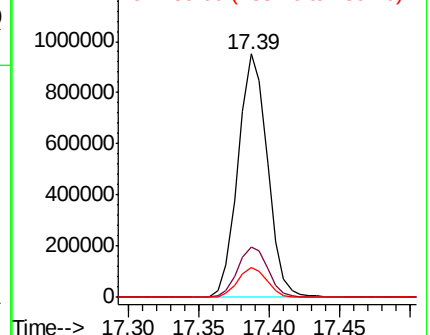


Abundance

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: 17.246 ng/ul

RT: 17.97 min Scan# 2548

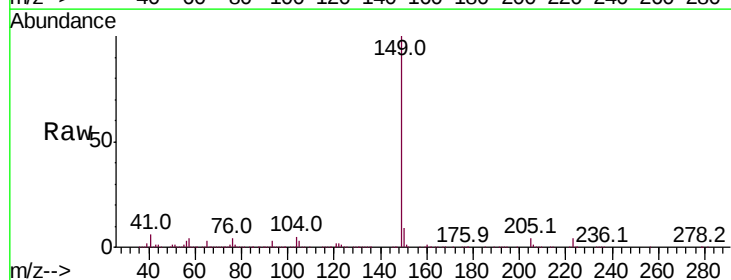
Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Tgt Ion:149 Resp: 1603534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 8.9   | 7.3   | 10.9  |
| 104 | 4.7   | 4.2   | 6.2   |

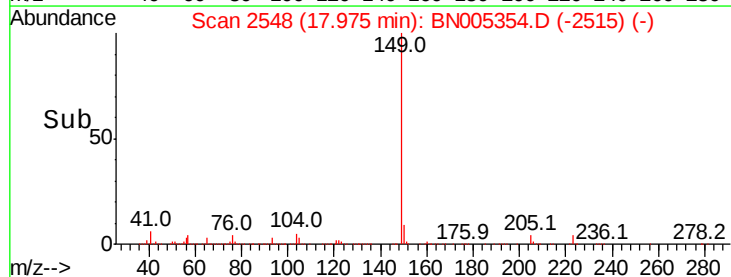
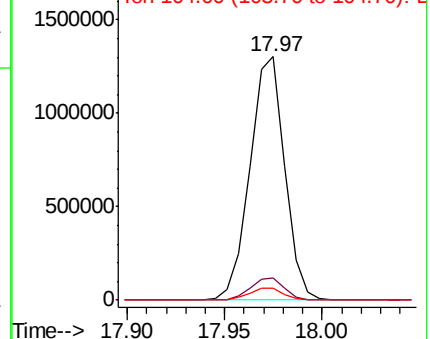


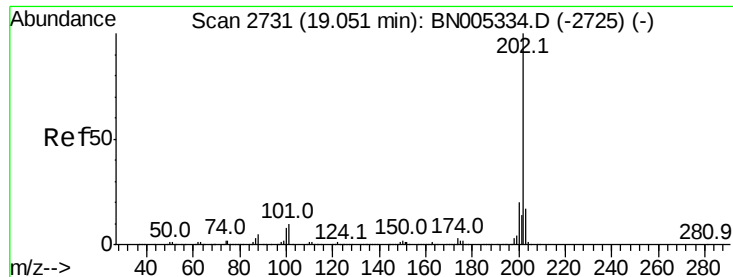
Abundance

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: 19.059 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

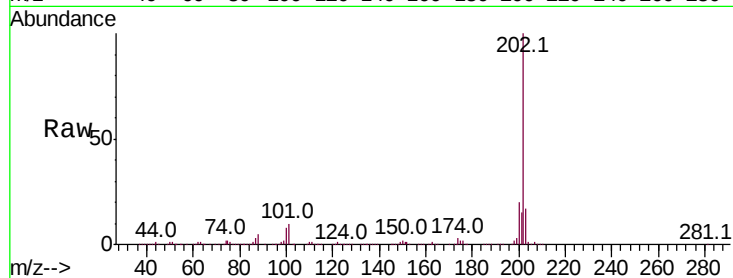
Tot Ion:202 Resp: 1790206

Ion Ratio Lower Upper

202 100

101 10.1 8.6 12.8

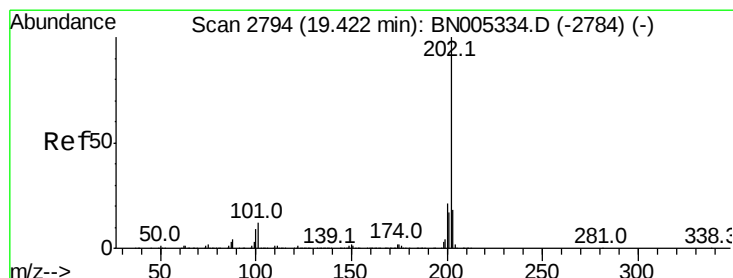
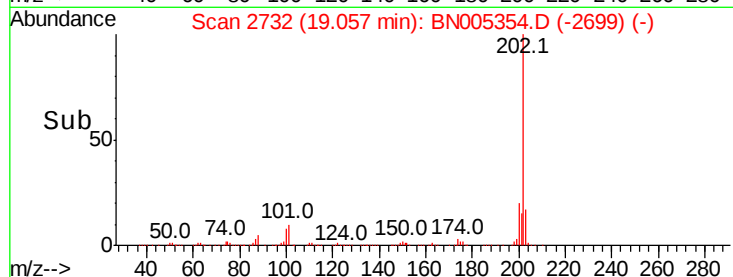
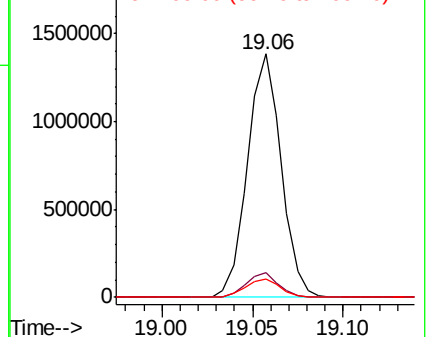
100 7.6 6.3 9.5



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



#79

Pyrene

Concen: 17.228 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

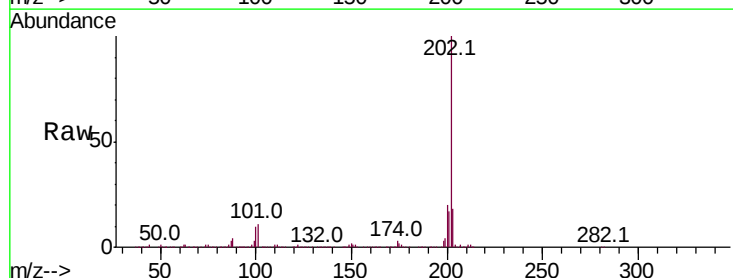
Tgt Ion:202 Resp: 1836258

Ion Ratio Lower Upper

202 100

101 11.4 10.3 15.5

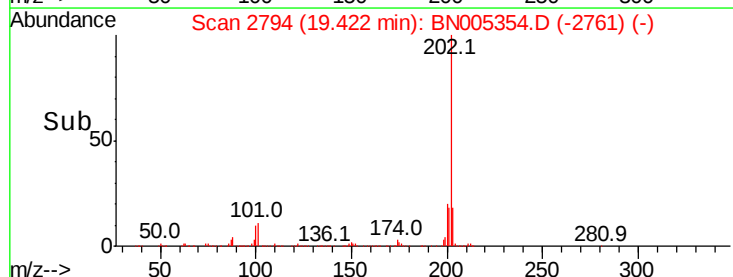
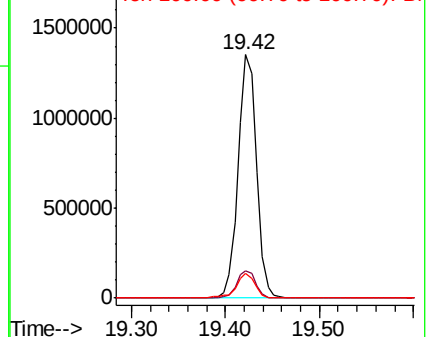
100 10.1 7.9 11.9

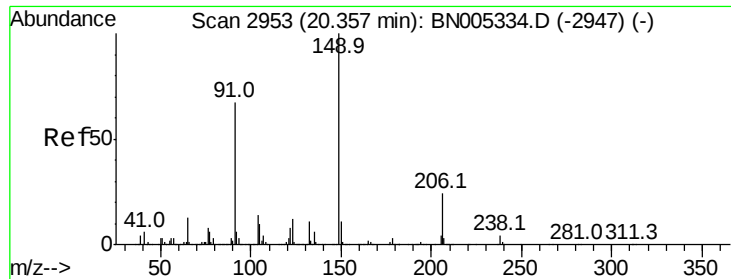


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

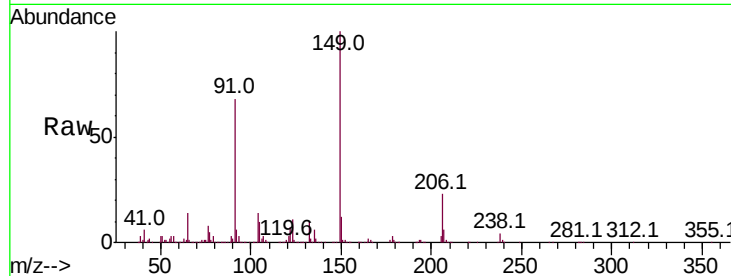




#80  
 Butylbenzylphthalate  
 Concen: 17.102 ng/ul  
 RT: 20.36 min Scan# 2953  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 67.5  | 59.6  | 89.4  |
| 206     | 23.4  | 17.8  | 26.8  |

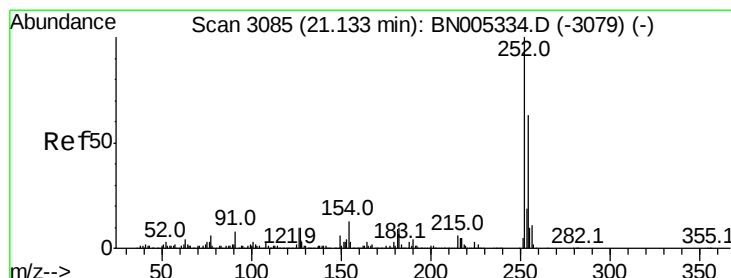
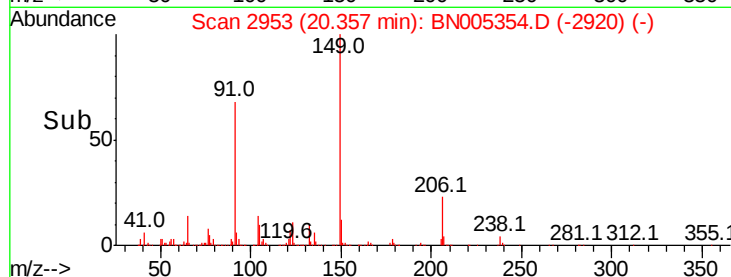
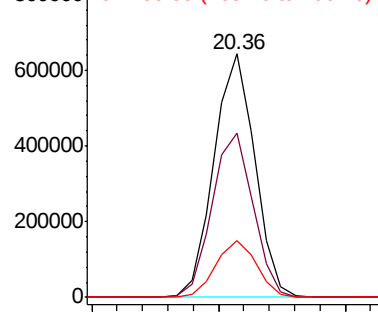


Abundance

Ion 149.00 (148.70 to 149.70): E

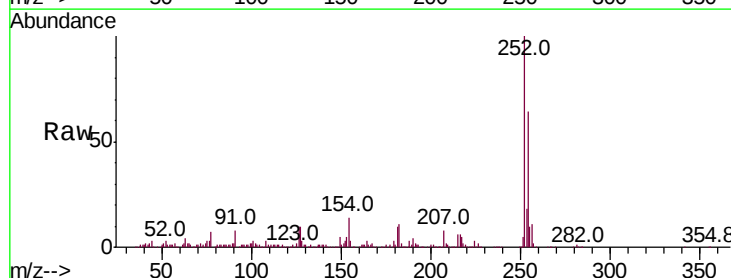
Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E



#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.632 ng/ul  
 RT: 21.14 min Scan# 3086  
 Delta R.T. -0.01 min  
 Lab File: BN005354.D  
 Acq: 29 Apr 2019 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.2  | 51.1  | 76.7  |
| 126     | 9.7   | 9.4   | 14.0  |

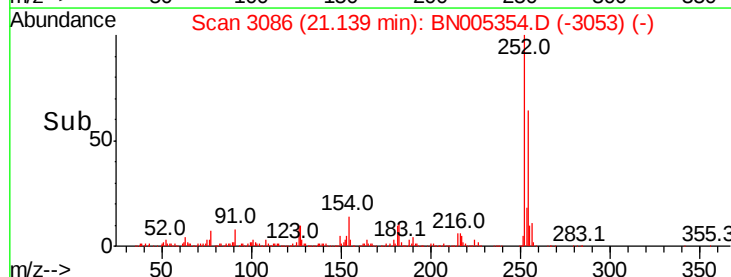
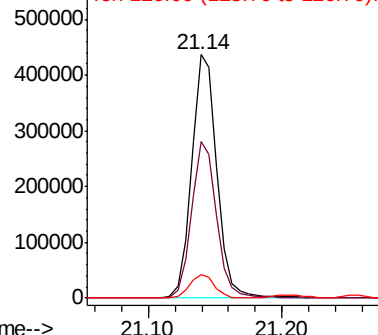


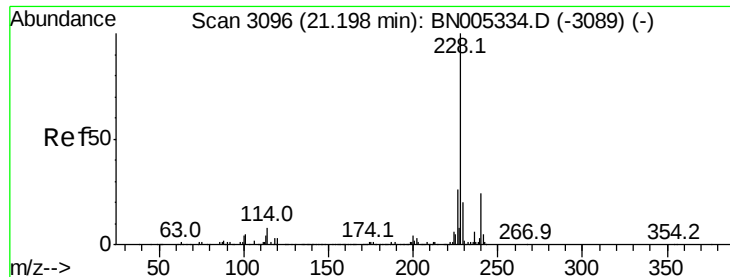
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Benzo(a)anthracene

Concen: 18.295 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

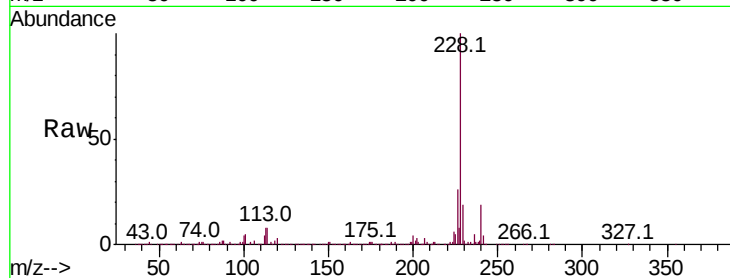
Tot Ion:228 Resp: 1884011

Ion Ratio Lower Upper

228 100

229 19.0 15.8 23.6

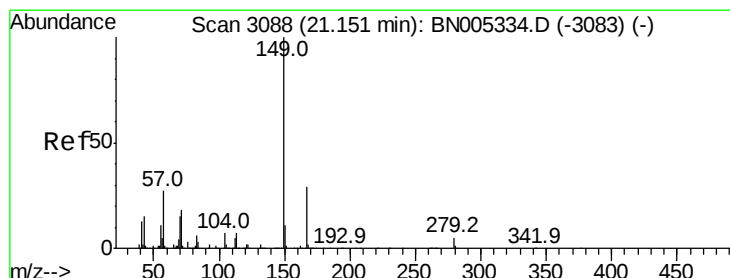
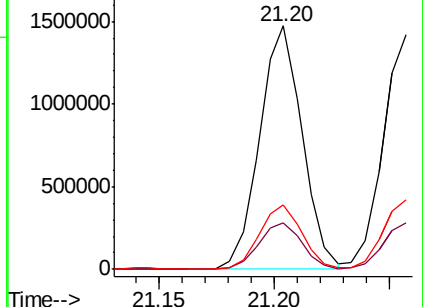
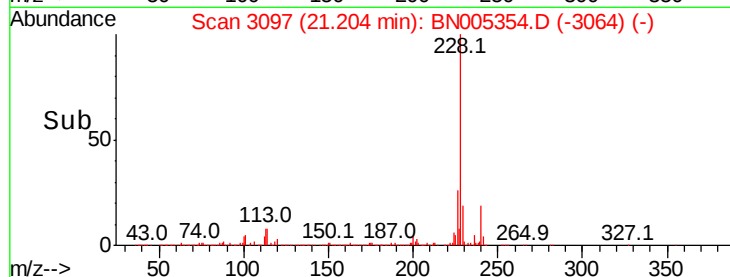
226 26.3 21.4 32.2



Abundance Ion 228.00 (227.70 to 228.70): E

2000000 Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 15.745 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

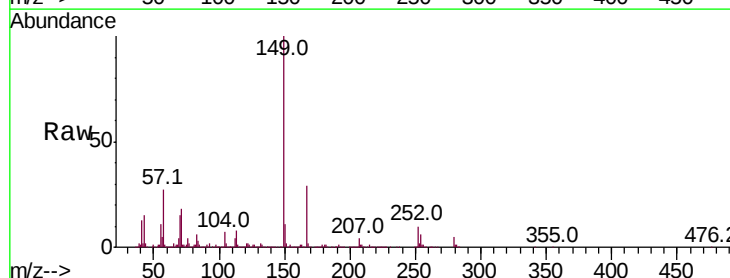
Tgt Ion:149 Resp: 1023068

Ion Ratio Lower Upper

149 100

167 29.2 22.3 33.5

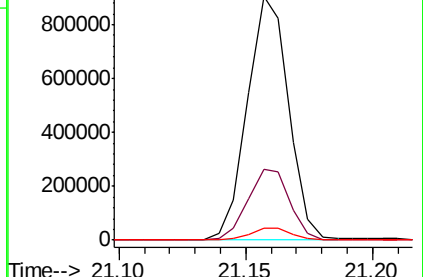
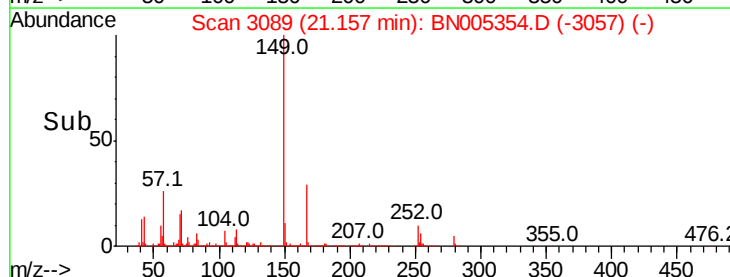
279 4.7 3.3 4.9

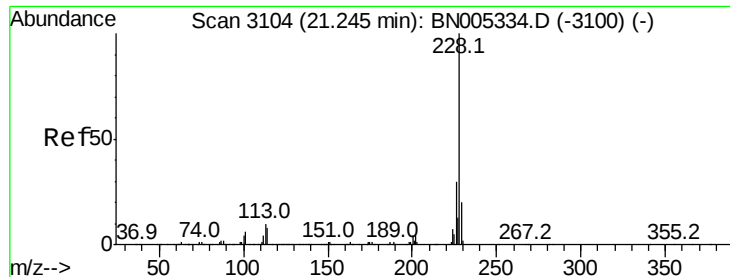


Abundance Ion 149.00 (148.70 to 149.70): E

1200000 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 18.518 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

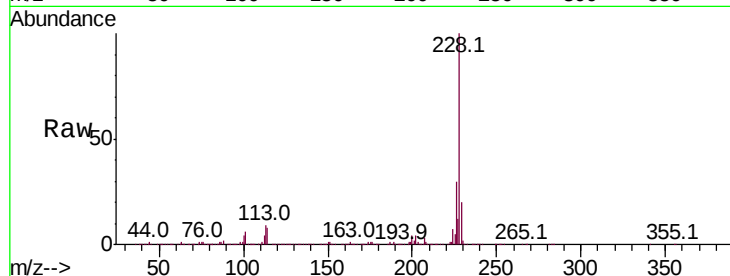
Tot Ion:228 Resp: 1769837

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 24.0  | 36.0  |
| 229 | 19.7  | 15.4  | 23.0  |

228 100

226 29.7 24.0 36.0

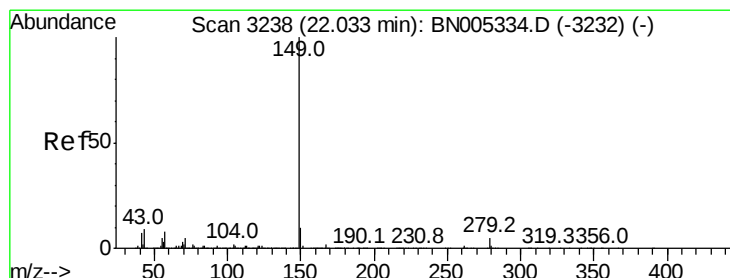
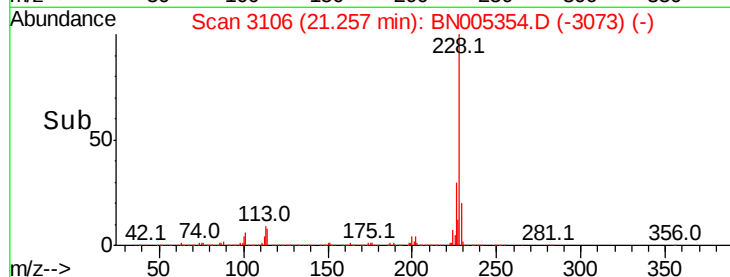
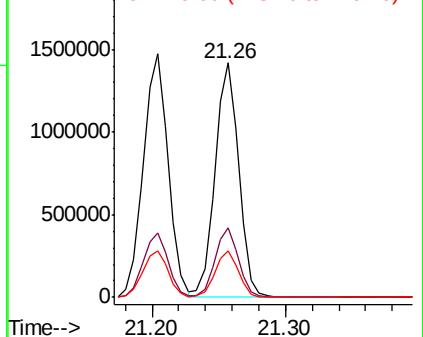
229 19.7 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

2000000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Di-n-octyl phthalate

Concen: 15.268 ng/ul

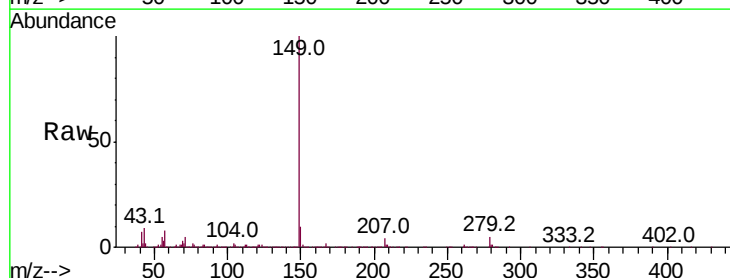
RT: 22.05 min Scan# 3240

Delta R.T. -0.01 min

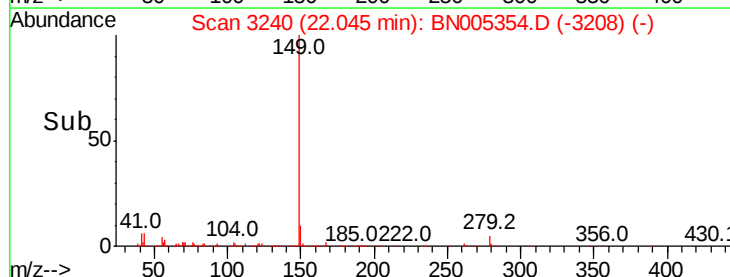
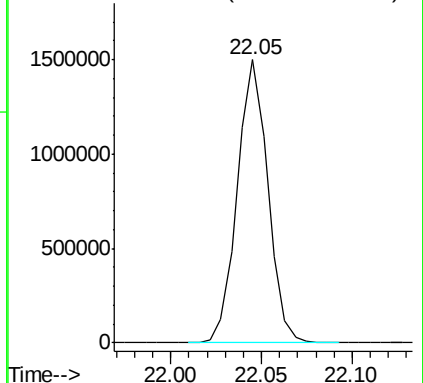
Lab File: BN005354.D

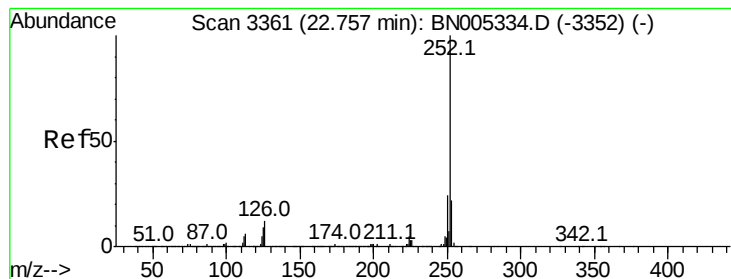
Acq: 29 Apr 2019 16:52

Tgt Ion:149 Resp: 1754504



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 18.042 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

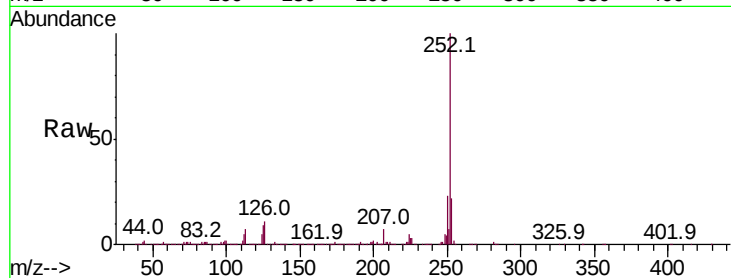
Tot Ion:252 Resp: 1902961

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

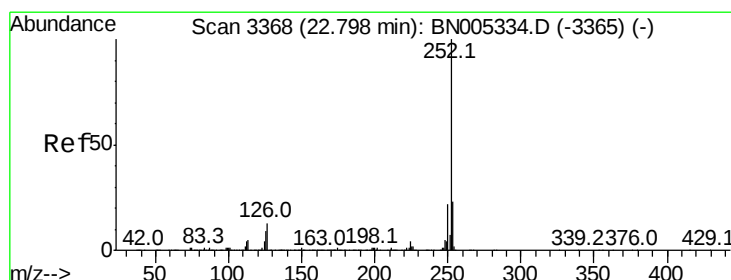
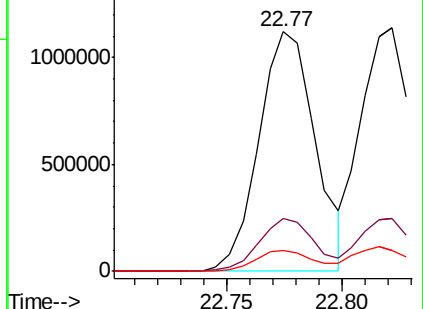
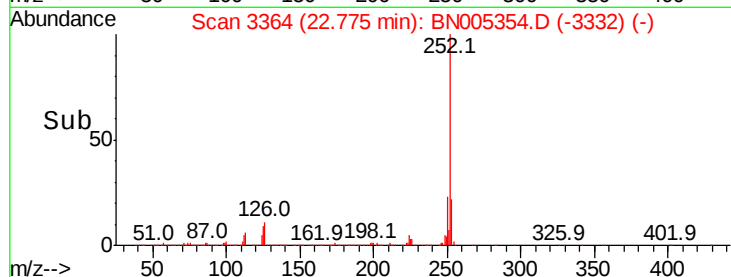
125 8.7 8.4 12.6



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



#88

Benzo(k)fluoranthene

Concen: 17.516 ng/ul

RT: 22.82 min Scan# 3372

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

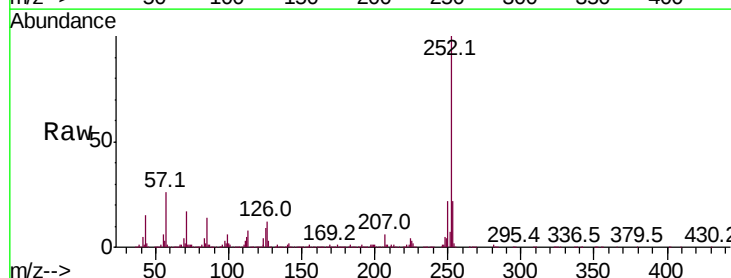
Tgt Ion:252 Resp: 1764394

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

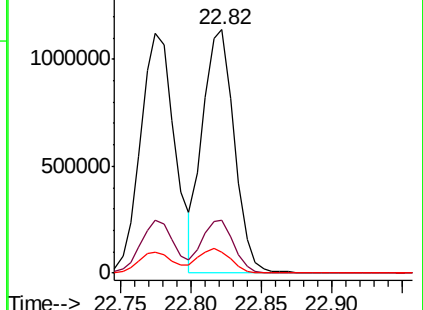
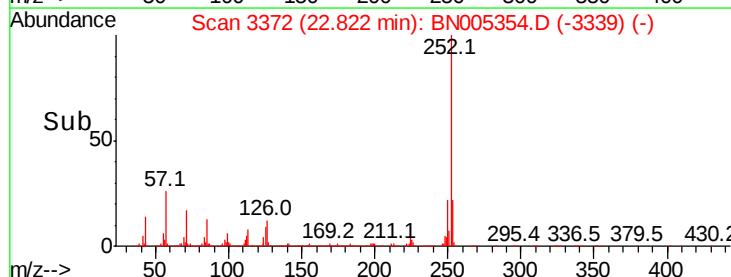
125 8.7 7.5 11.3

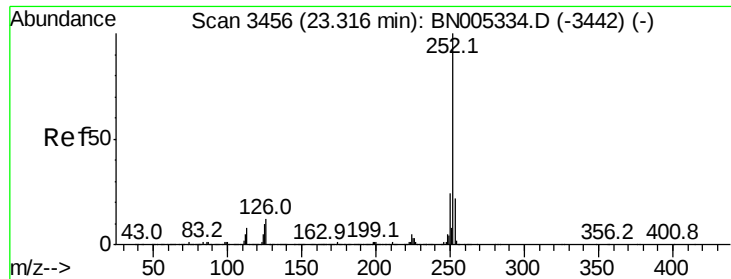


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.231 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampled :

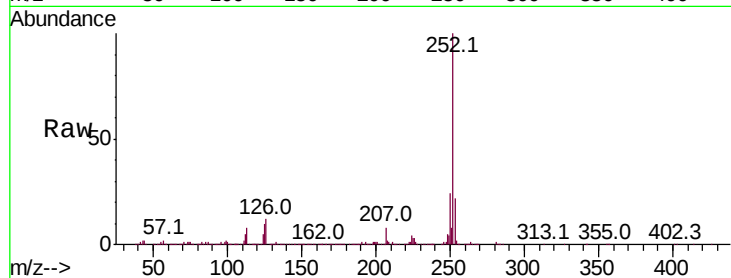
Tot Ion:252 Resp: 1807367

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.3  | 25.9  |
| 125 | 9.8   | 8.6   | 13.0  |

252 100

253 21.8 17.3 25.9

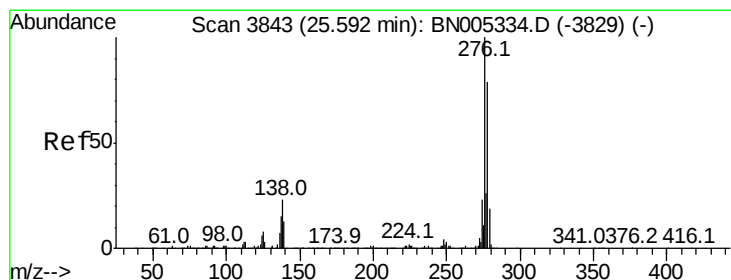
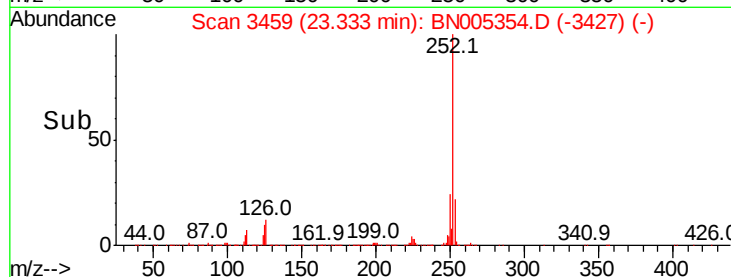
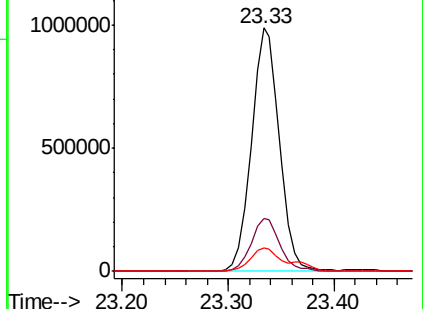
125 9.8 8.6 13.0



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: 19.287 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

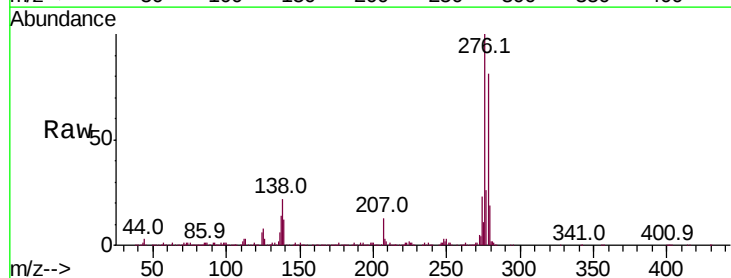
Tgt Ion:276 Resp: 2114017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.0  | 17.9  | 26.9  |
| 277 | 25.7  | 19.7  | 29.5  |

276 100

138 22.0 17.9 26.9

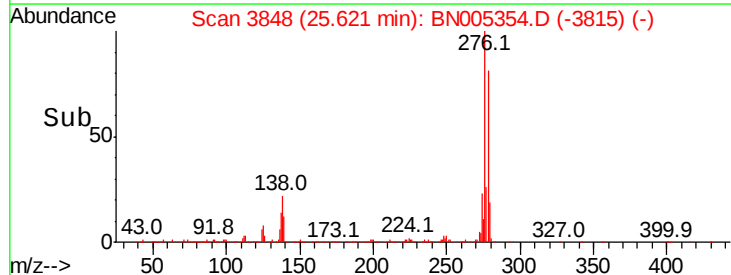
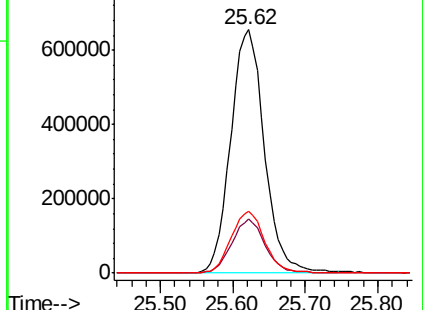
277 25.7 19.7 29.5

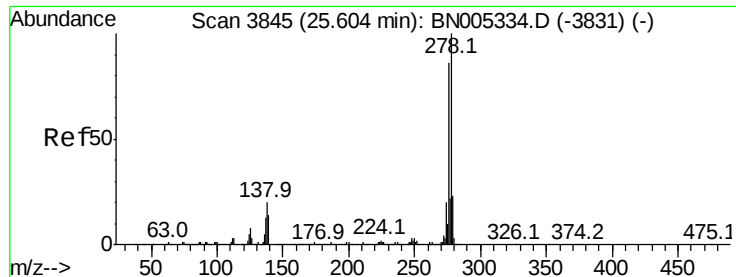


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 18.915 ng/u1

RT: 25.63 min Scan# 3850

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

Instrument :

BNA\_N

ClientSampleId :

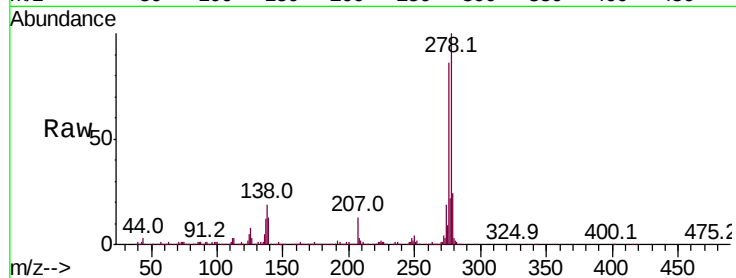
Tot Ion:278 Resp: 1759479

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 13.3  | 13.1  | 19.7  |
| 279 | 23.5  | 19.4  | 29.0  |

278 100

139 13.3 13.1 19.7

279 23.5 19.4 29.0

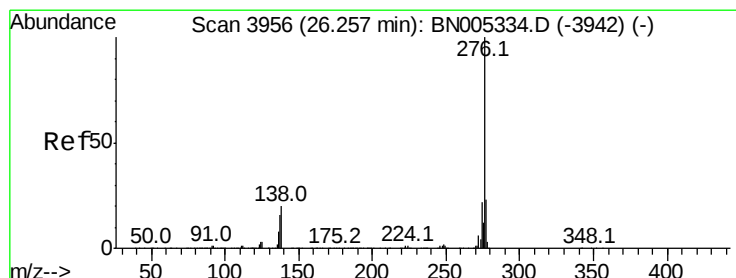
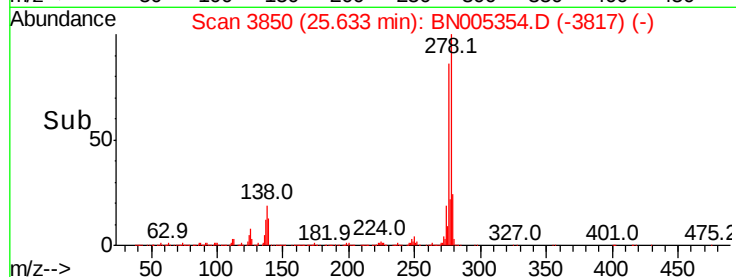
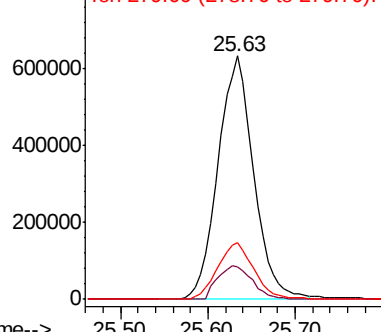


Abundance

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: 19.118 ng/u1

RT: 26.28 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BN005354.D

Acq: 29 Apr 2019 16:52

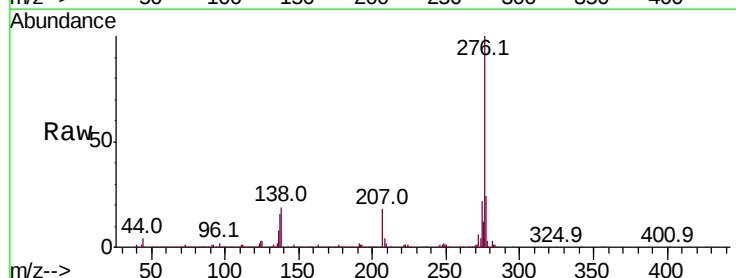
Tgt Ion:276 Resp: 1732648

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 19.0  | 16.7  | 25.1  |
| 277 | 23.5  | 18.2  | 27.2  |

276 100

138 19.0 16.7 25.1

277 23.5 18.2 27.2



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

