

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\  
 Data File : BN000753.D  
 Acq On : 18 Apr 2018 23:07  
 Operator : JU/SJ  
 Sample : J2133-07  
 Misc : 1PPM MDL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 19 04:16:15 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 18 16:58:01 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 113151   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.40 | 136  | 470206   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.26 | 164  | 235290   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.01 | 188  | 473750   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 436152   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 23.40 | 264  | 442466   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1037338 | 136.19 | ng | 0.00 |
| 7) Phenol-d6             | 6.81  | 99  | 1349714 | 130.03 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.78  | 82  | 729565  | 80.88  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.75 | 330 | 335856  | 141.79 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.88 | 172 | 1463942 | 85.89  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.66 | 244 | 1683542 | 83.23  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |           |    | Qvalue |
|--------------------------------|-------|-----|-------|-----------|----|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 4092  | 1.171     | ng | # 75   |
| 3) Pyridine                    | 3.67  | 79  | 5374  | 0.584     | ng | # 77   |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 1433  | 0.566     | ng | # 91   |
| 6) Aniline                     | 6.98  | 93  | 11028 | 0.801     | ng | 92     |
| 8) 2-Chlorophenol              | 7.20  | 128 | 7889  | 1.001     | ng | 98     |
| 9) Benzaldehyde                | 6.79  | 77  | 5263  | Below Cal |    | 94     |
| 10) Phenol                     | 6.83  | 94  | 10458 | 0.956     | ng | # 81   |
| 11) bis(2-Chloroethyl)ether    | 7.07  | 93  | 8137  | 0.909     | ng | 87     |
| 12) 1,3-Dichlorobenzene        | 7.52  | 146 | 9240  | 1.010     | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.66  | 146 | 9398  | 1.012     | ng | 91     |
| 14) 1,2-Dichlorobenzene        | 7.98  | 146 | 9277  | 1.046     | ng | 94     |
| 15) Benzyl Alcohol             | 7.87  | 79  | 4939  | 0.692     | ng | 88     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 9084  | 0.956     | ng | 73     |
| 17) 2-Methylphenol             | 8.07  | 107 | 5624  | 0.765     | ng | 93     |
| 18) Hexachloroethane           | 8.70  | 117 | 3070  | 0.897     | ng | # 76   |
| 19) n-Nitroso-di-n-propylamine | 8.43  | 70  | 4587  | 0.710     | ng | # 81   |
| 20) 3+4-Methylphenols          | 8.39  | 107 | 6990  | 0.692     | ng | 93     |
| 22) Acetophenone               | 8.44  | 105 | 10973 | 0.814     | ng | # 87   |
| 24) Nitrobenzene               | 8.82  | 77  | 9727  | 1.006     | ng | 94     |
| 25) Isophorone                 | 9.33  | 82  | 11156 | 0.683     | ng | # 97   |
| 26) 2-Nitrophenol              | 9.52  | 139 | 2119  | 0.535     | ng | 92     |
| 27) 2,4-Dimethylphenol         | 9.58  | 122 | 4311  | 0.666     | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.82  | 93  | 8756  | 0.822     | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.05 | 162 | 4104  | 0.644     | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.26 | 180 | 7685  | 1.001     | ng | 99     |
| 31) Naphthalene                | 10.45 | 128 | 25724 | 1.018     | ng | 98     |
| 32) Benzoic acid               | 9.58  | 122 | 4311  | 5.239     | ng | # 6    |
| 33) 4-Chloroaniline            | 10.56 | 127 | 6876  | 0.666     | ng | # 91   |
| 34) Hexachlorobutadiene        | 10.74 | 225 | 3918  | 0.940     | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 11.68 | 107 | 4169  | 0.554     | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.06 | 142 | 15336 | 0.926     | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 7418  | 1.017     | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 12.42 | 237 | 3271  | 0.764     | ng | 88     |
| 42) 2,4,6-Trichlorophenol      | 12.68 | 196 | 2475  | 0.559     | ng | 88     |

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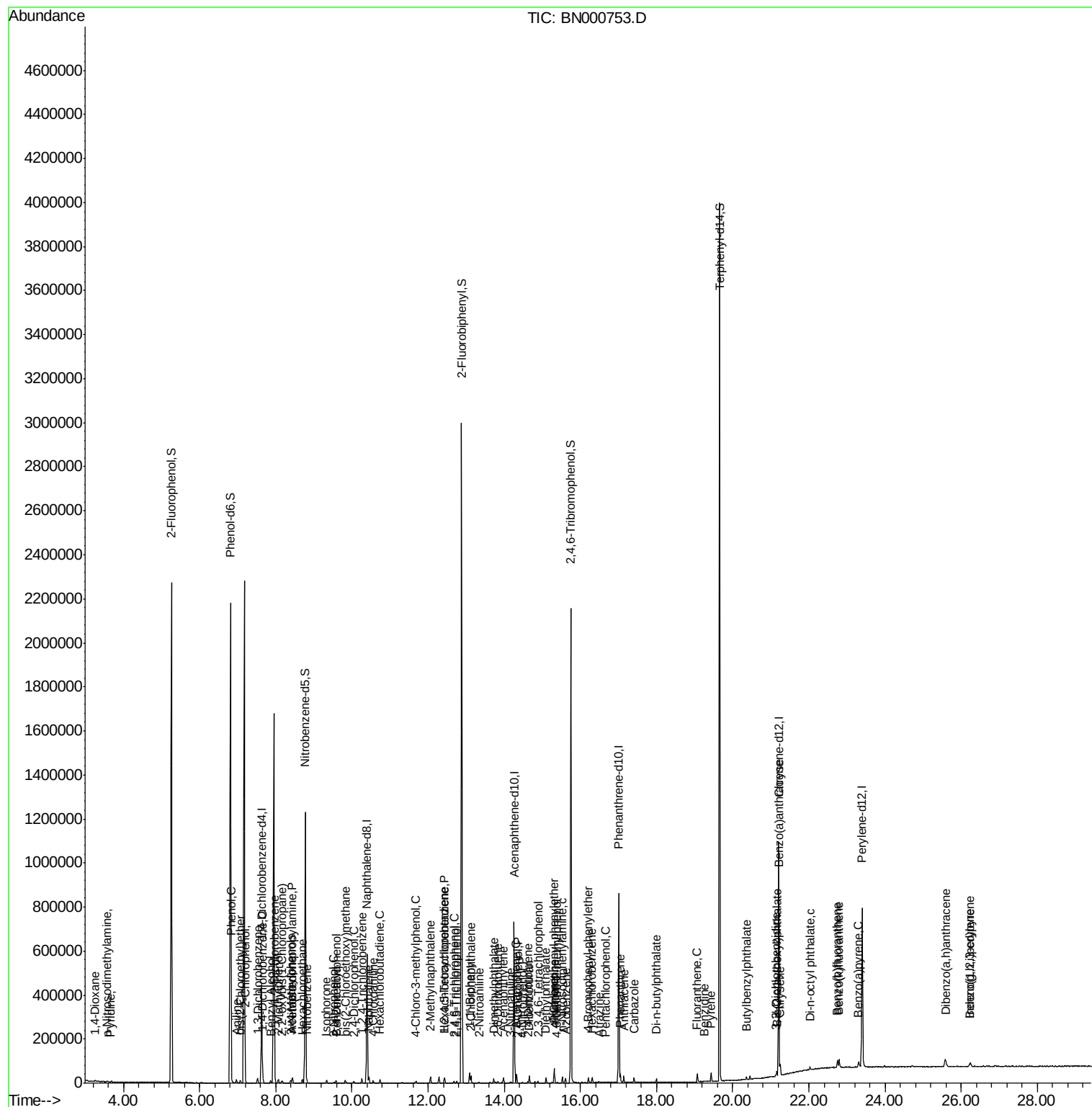
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 12.75 | 196  | 2676     | 0.523 | nq    | # 90     |
| 45) 1,1'-Biphenyl              | 13.09 | 154  | 25142    | 1.194 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.13 | 162  | 15857    | 1.004 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.33 | 65   | 1978     | 0.432 | nq    | 96       |
| 48) Acenaphthylene             | 13.98 | 152  | 19822    | 0.792 | nq    | 97       |
| 49) Dimethylphthalate          | 13.73 | 163  | 14726    | 0.783 | nq    | # 98     |
| 50) 2,6-Dinitrotoluene         | 13.84 | 165  | 1914     | 0.481 | nq    | 93       |
| 51) Acenaphthene               | 14.32 | 154  | 14960    | 0.980 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.16 | 138  | 1718     | 0.379 | nq    | # 85     |
| 53) 2,4-Dinitrophenol          | 14.37 | 184  | 111      | 5.743 | nq    | # 17     |
| 54) Dibenzofuran               | 14.66 | 168  | 22053    | 0.993 | nq    | 98       |
| 55) 4-Nitrophenol              | 14.47 | 139  | 629      | 0.187 | nq    | # 84     |
| 56) 2,4-Dinitrotoluene         | 14.63 | 165  | 2068     | 0.397 | nq    | # 91     |
| 57) Fluorene                   | 15.31 | 166  | 15939    | 0.908 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.89 | 232  | 1931     | 0.491 | nq    | # 73     |
| 59) Diethylphthalate           | 15.10 | 149  | 12818    | 0.688 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204  | 8081     | 0.985 | nq    | 90       |
| 61) 4-Nitroaniline             | 15.33 | 138  | 1382     | 0.310 | nq    | 91       |
| 62) Azobenzene                 | 15.61 | 77   | 12580    | 0.630 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 897      | 0.307 | nq    | # 57     |
| 65) n-Nitrosodiphenylamine     | 15.53 | 169  | 11099    | 0.698 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.21 | 248  | 4273     | 0.888 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.32 | 284  | 5359     | 0.962 | nq    | # 93     |
| 68) Atrazine                   | 16.49 | 200  | 1618     | 0.375 | nq    | # 76     |
| 69) Pentachlorophenol          | 16.66 | 266  | 1314     | 0.365 | nq    | 93       |
| 70) Phenanthrene               | 17.05 | 178  | 27472    | 1.001 | nq    | 98       |
| 71) Anthracene                 | 17.14 | 178  | 21366    | 0.795 | nq    | 98       |
| 72) Carbazole                  | 17.41 | 167  | 17247    | 0.683 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.00 | 149  | 14049    | 0.488 | nq    | # 97     |
| 74) Fluoranthene               | 19.07 | 202  | 22035    | 0.797 | nq    | 95       |
| 76) Benzidine                  | 19.27 | 184  | 2999     | 0.254 | nq    | # 78     |
| 77) Pyrene                     | 19.43 | 202  | 23552    | 0.750 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.36 | 149  | 4638     | 0.350 | nq    | 88       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 22838    | 0.831 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 3778     | 0.437 | nq    | # 98     |
| 82) Chrysene                   | 21.24 | 228  | 26940    | 1.012 | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 6726     | 0.333 | nq    | # 90     |
| 84) Di-n-octyl phthalate       | 22.03 | 149  | 9723     | 0.336 | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.24 | 276  | 19089    | 0.834 | nq    | # 92     |
| 87) Benzo(b)fluoranthene       | 22.75 | 252  | 21885    | 0.814 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 22.79 | 252  | 21673    | 0.809 | nq    | # 92     |
| 89) Benzo(a)pyrene             | 23.30 | 252  | 17296    | 0.705 | nq    | # 93     |
| 90) Dibenzo(a,h)anthracene     | 25.59 | 278  | 19672    | 0.814 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 26.24 | 276  | 19089    | 0.809 | nq    | # 88     |

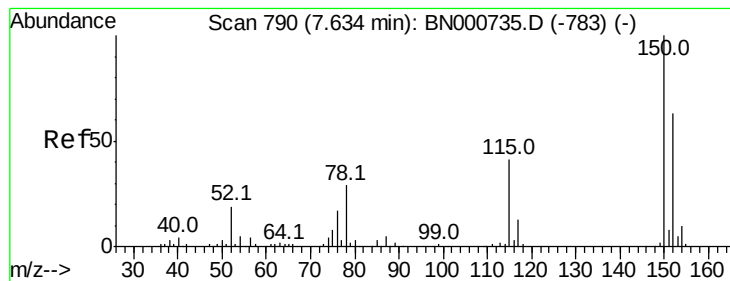
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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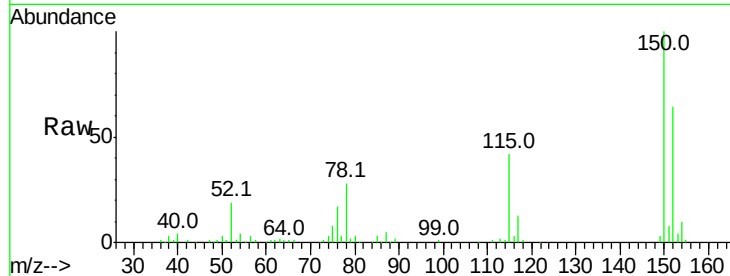


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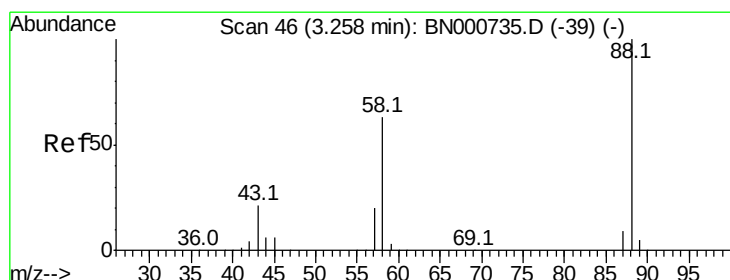
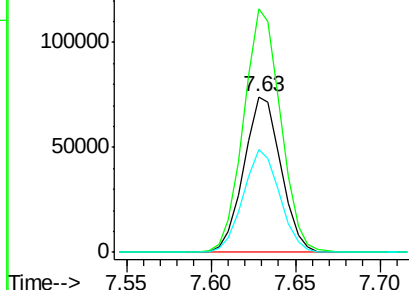
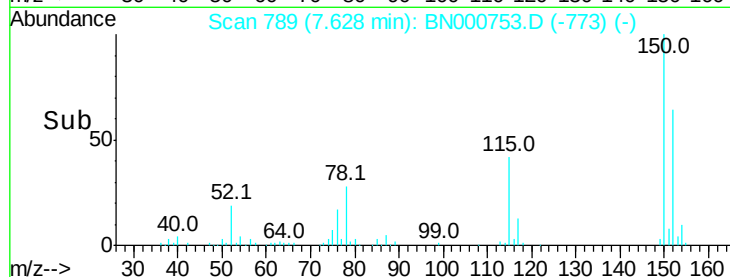
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.63 min Scan# 789  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:152 Resp: 113151  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 126.6 189.8  
 115 66.2 53.0 79.4



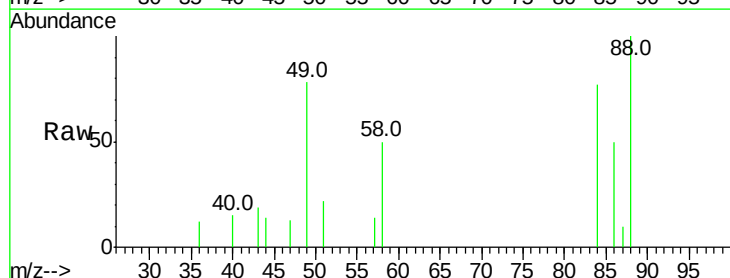
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



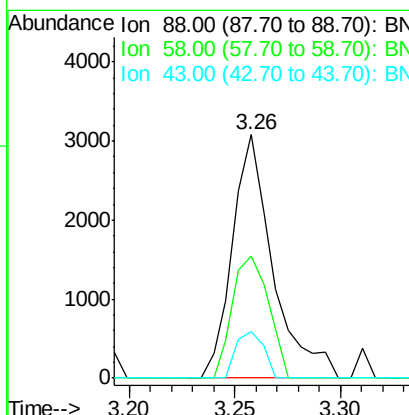
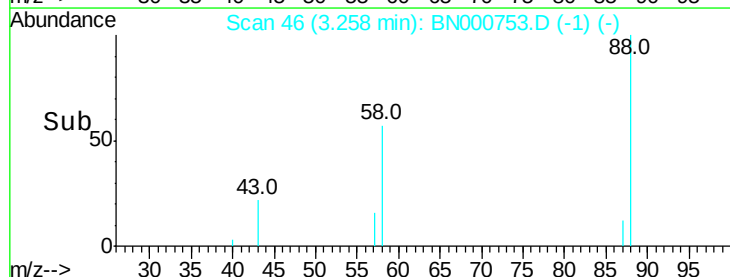
#2

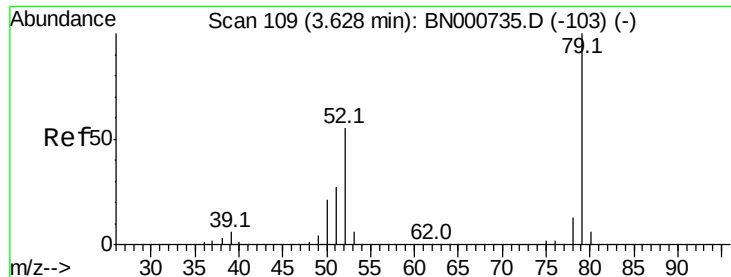
1,4-Dioxane  
 Concen: 1.171 ng  
 RT: 3.26 min Scan# 46  
 Delta R.T. -0.00 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion: 88 Resp: 4092  
 Ion Ratio Lower Upper  
 88 100  
 58 44.7 52.0 78.0#  
 43 12.9 20.0 30.0#



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





#3

Pvridine

Concen: 0.584 ng

RT: 3.67 min Scan# 116

Delta R.T. 0.04 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

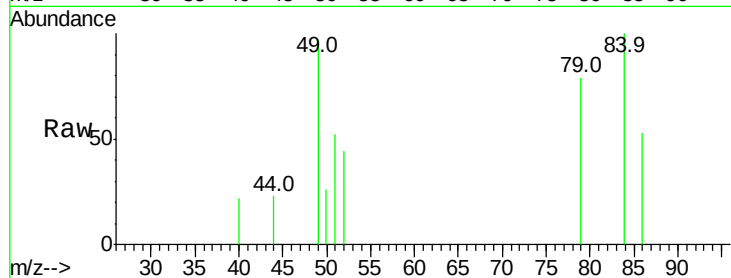
Tot Ion: 79 Resp: 5374

Ion Ratio Lower Upper

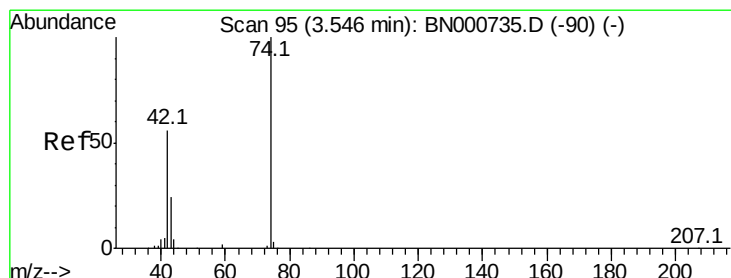
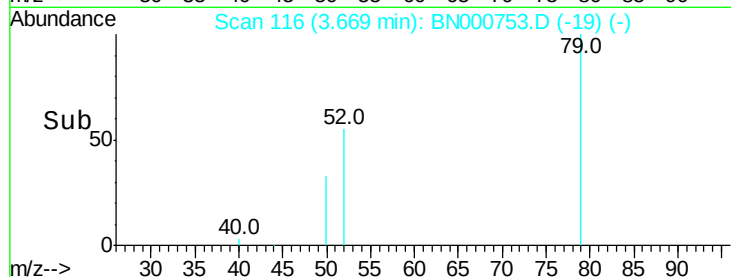
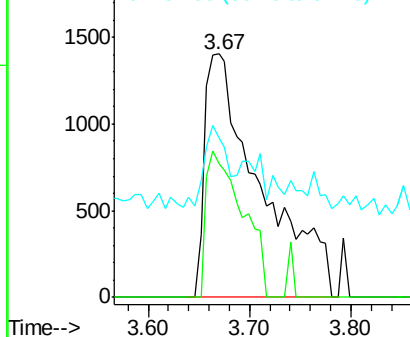
79 100

52 55.0 44.0 66.0

51 65.6 24.0 36.0#



Abundance Ion 79.00 (78.70 to 79.70): BNC  
Ion 52.00 (51.70 to 52.70): BNC  
Ion 51.00 (50.70 to 51.70): BNC



#4

n-Nitrosodimethylamine

Concen: 0.566 ng

RT: 3.56 min Scan# 97

Delta R.T. 0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

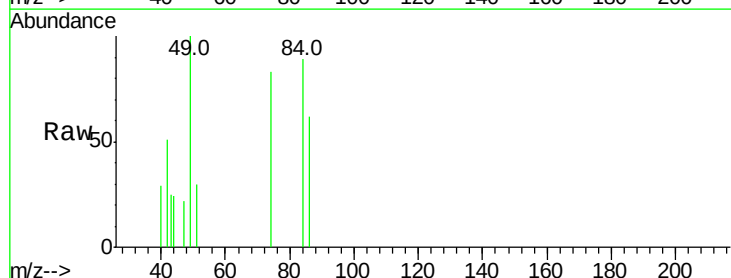
Tgt Ion: 42 Resp: 1433

Ion Ratio Lower Upper

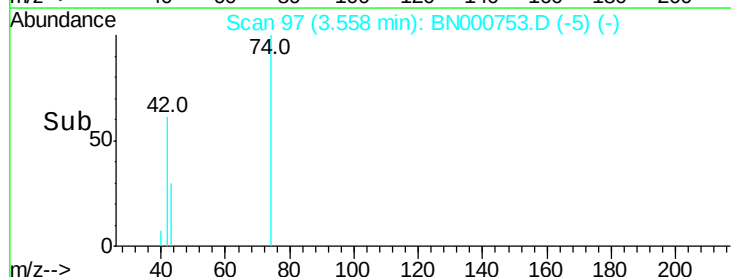
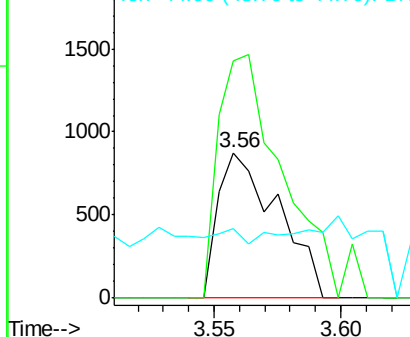
42 100

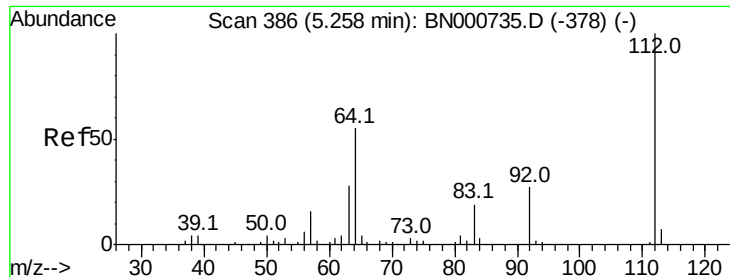
74 163.3 128.0 192.0

44 47.5 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 136.185 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampled :

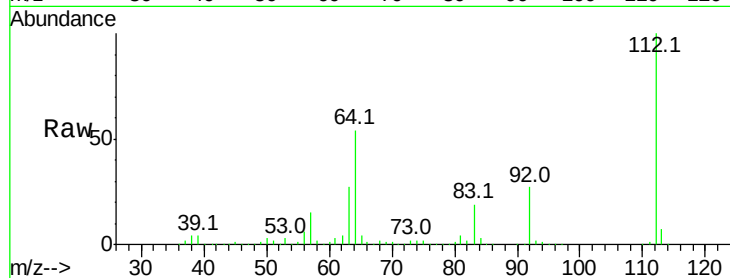
Tot Ion:112 Resp: 1037338

Ion Ratio Lower Upper

112 100

64 53.8 56.3 84.5#

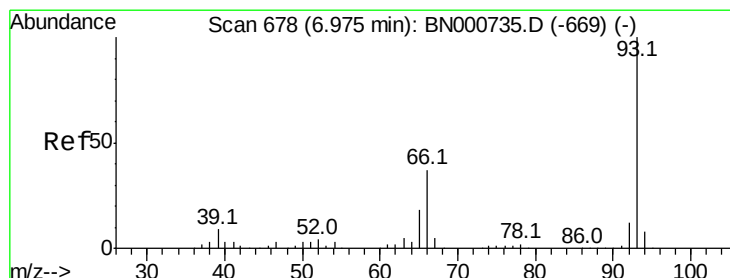
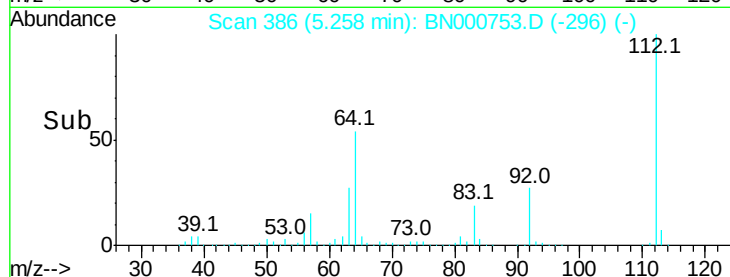
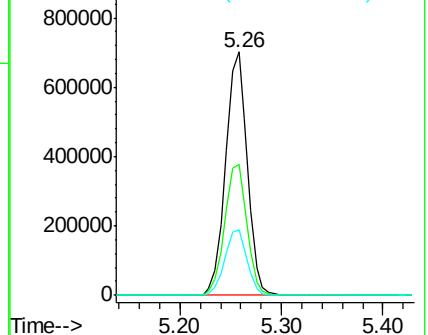
63 26.8 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 0.801 ng

RT: 6.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

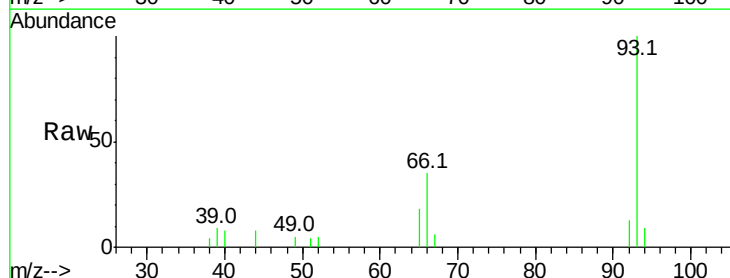
Tgt Ion: 93 Resp: 11028

Ion Ratio Lower Upper

93 100

66 35.3 33.7 50.5

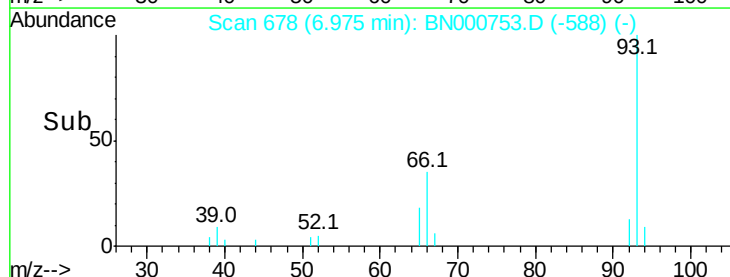
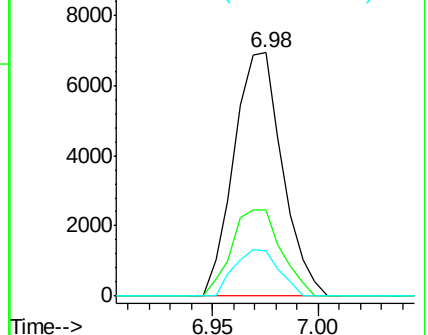
65 18.5 16.1 24.1

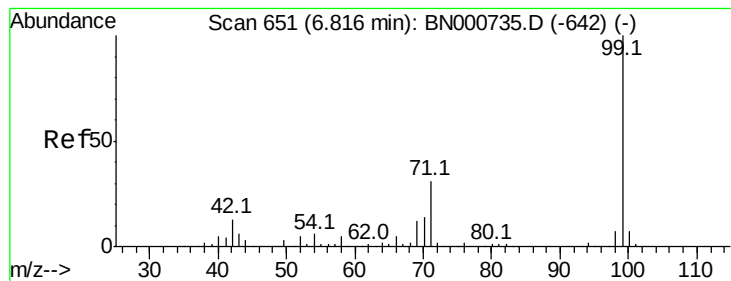


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 130.029 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

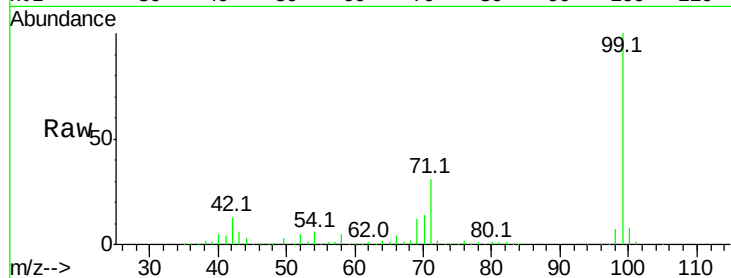
Instrument :

BNA\_N

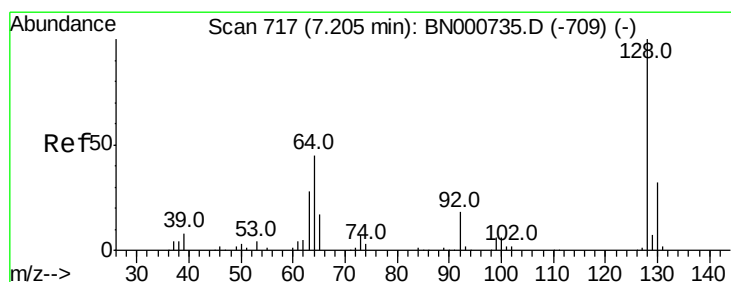
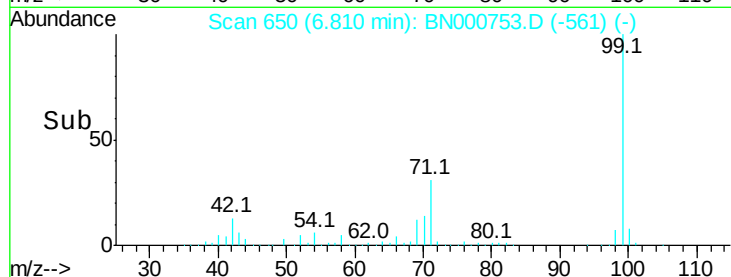
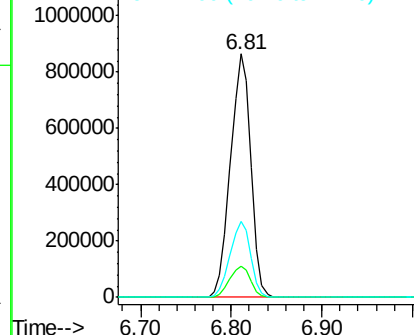
ClientSampled :

Tot Ion: 99 Resp: 1349714

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.9  | 14.1  | 21.1# |
| 71  | 31.4  | 26.1  | 39.1  |



Abundance Ion 99.00 (98.70 to 99.70): BNC  
Ion 42.00 (41.70 to 42.70): BNC  
Ion 71.00 (70.70 to 71.70): BNC



#8

2-Chlorophenol

Concen: 1.001 ng

RT: 7.20 min Scan# 716

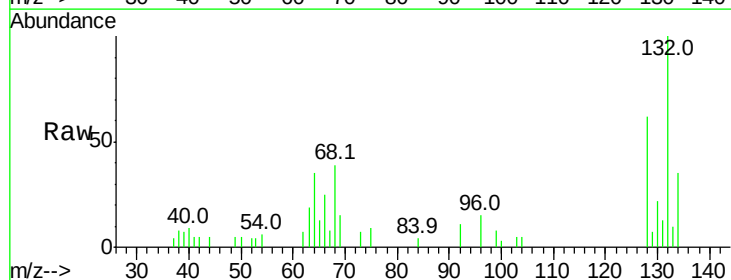
Delta R.T. -0.01 min

Lab File: BN000753.D

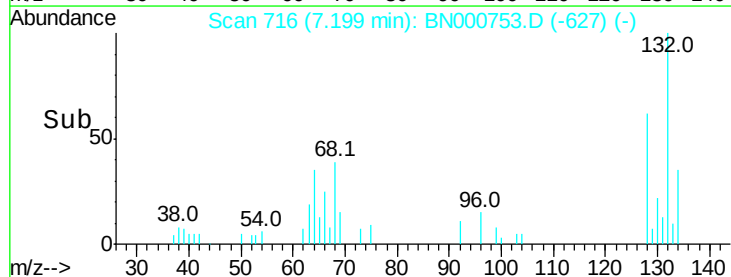
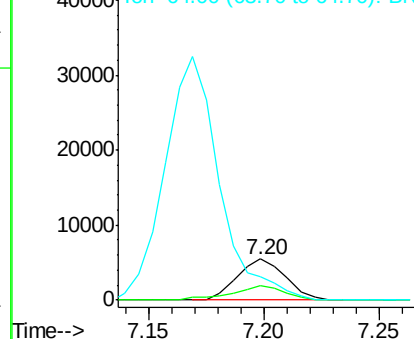
Acq: 18 Apr 2018 23:07

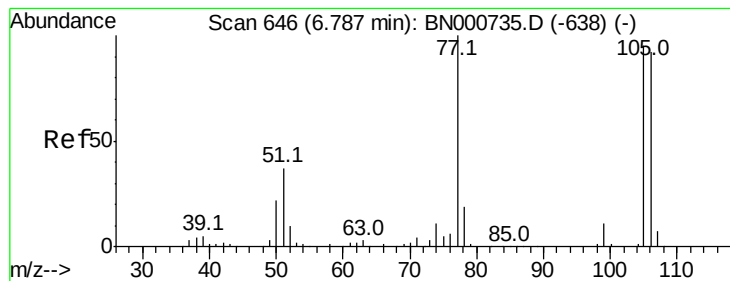
Tgt Ion:128 Resp: 7889

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 35.8  | 14.0  | 54.0  |
| 64  | 57.0  | 37.7  | 77.7  |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BNC





#9

Benzaldehyde

Concen: Below Cal

RT: 6.79 min Scan# 647

Delta R.T. 0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampled :

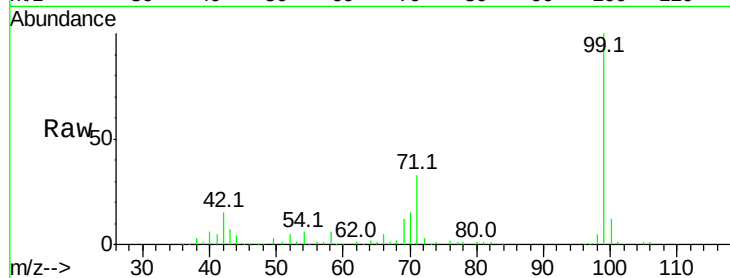
Tot Ion: 77 Resp: 5263

Ion Ratio Lower Upper

77 100

105 86.0 71.3 111.3

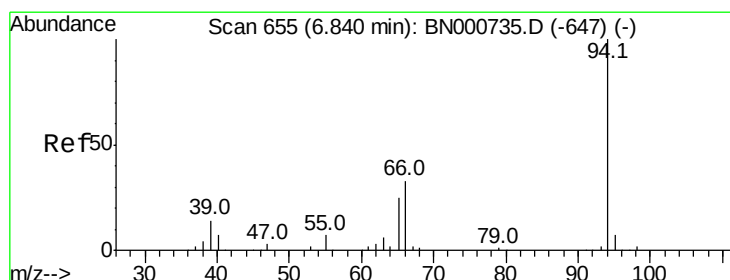
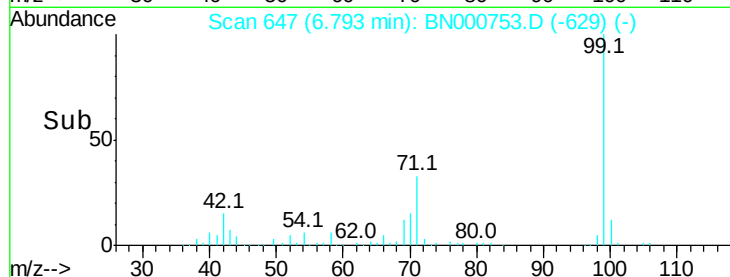
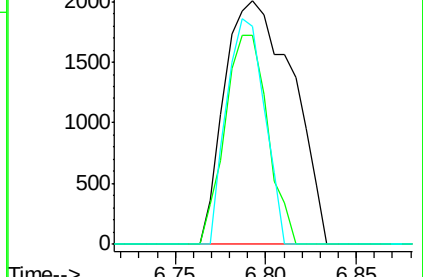
106 89.6 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#10

Phenol

Concen: 0.956 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

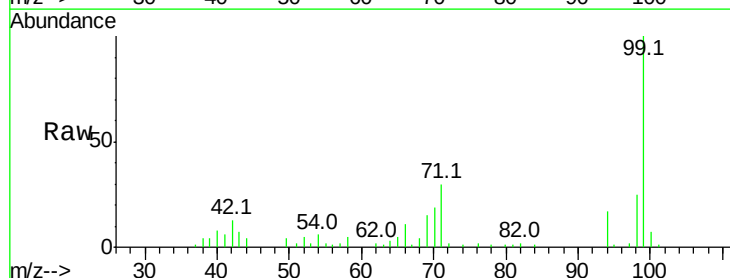
Tgt Ion: 94 Resp: 10458

Ion Ratio Lower Upper

94 100

65 32.0 11.9 51.9

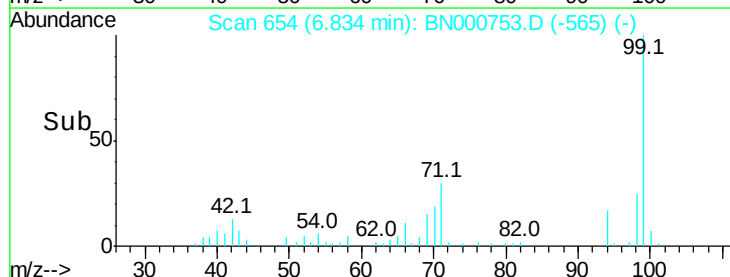
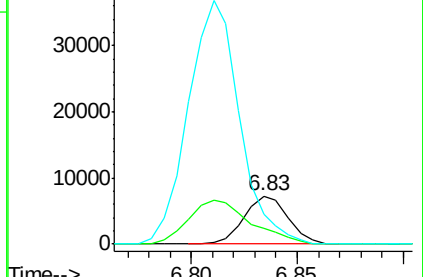
66 63.2 22.2 62.2#



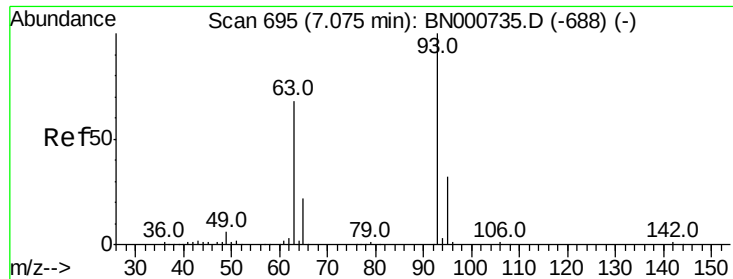
Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0







#11

bis(2-Chloroethyl)ether

Concen: 0.909 ng

RT: 7.07 min Scan# 694

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

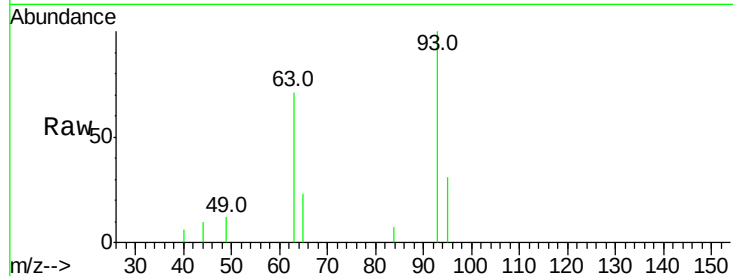
Tot Ion: 93 Resp: 8137

Ion Ratio Lower Upper

93 100

63 70.9 67.1 107.1

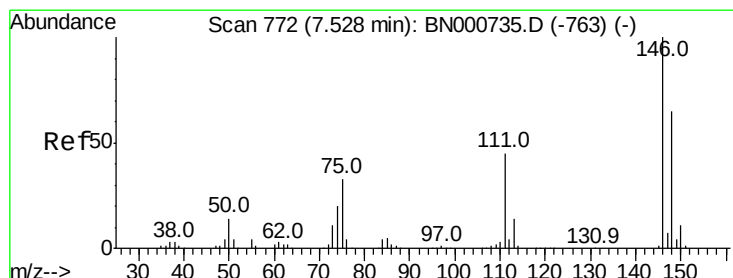
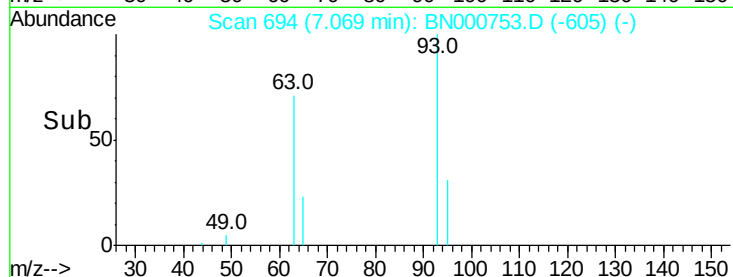
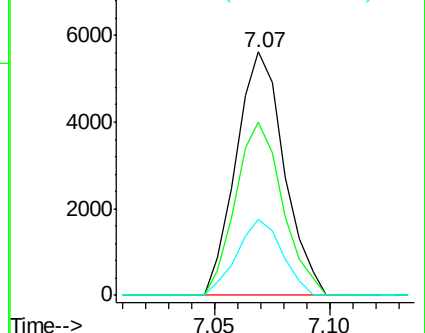
95 31.3 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BN000735.D (-688) (-)

Ion 63.00 (62.70 to 63.70): BN000735.D (-688) (-)

Ion 95.00 (94.70 to 95.70): BN000735.D (-688) (-)



#12

1,3-Dichlorobenzene

Concen: 1.010 ng

RT: 7.52 min Scan# 771

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

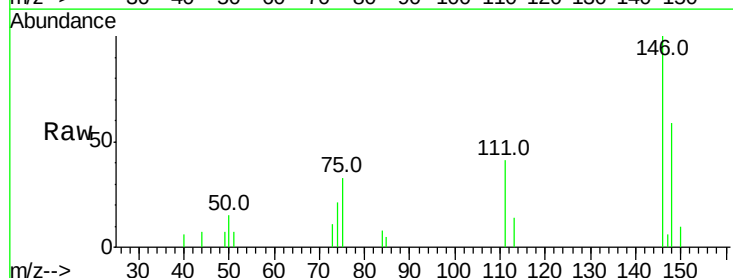
Tgt Ion: 146 Resp: 9240

Ion Ratio Lower Upper

146 100

148 58.8 51.4 77.2

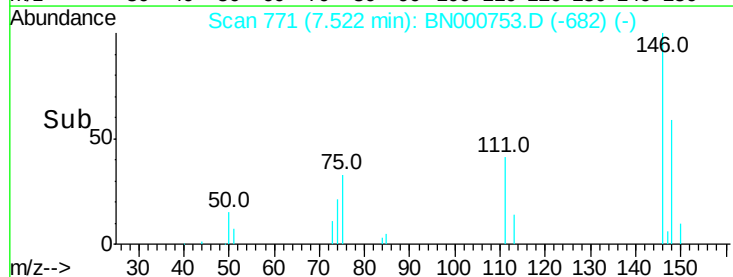
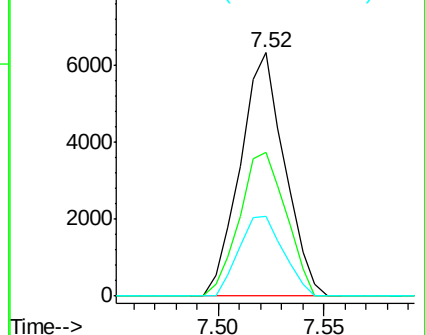
75 32.6 26.6 39.8

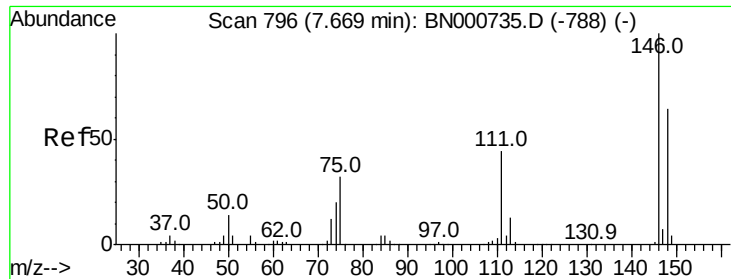


Abundance Ion 146.00 (145.70 to 146.70): BN000735.D (-763) (-)

Ion 148.00 (147.70 to 148.70): BN000735.D (-763) (-)

Ion 75.00 (74.70 to 75.70): BN000735.D (-763) (-)

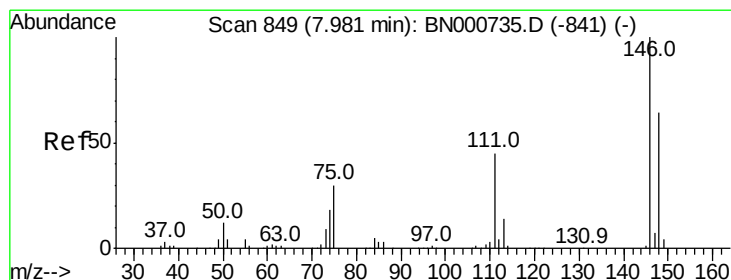
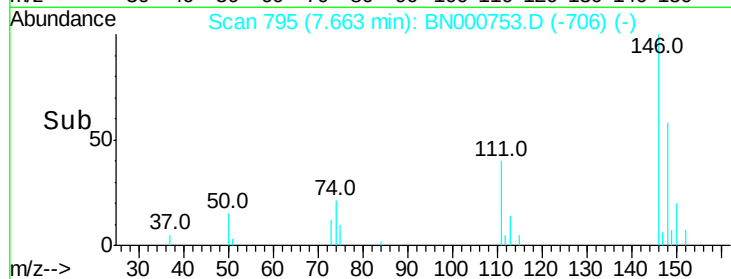
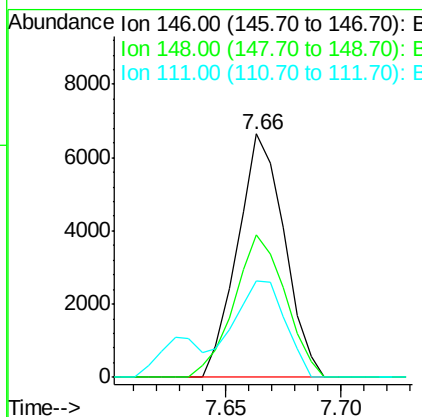
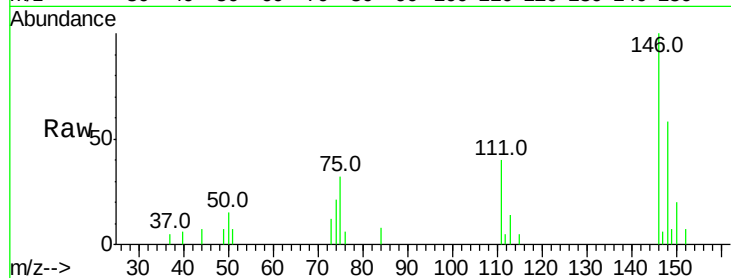




#13  
 1,4-Dichlorobenzene  
 Concen: 1.012 ng  
 RT: 7.66 min Scan# 795  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

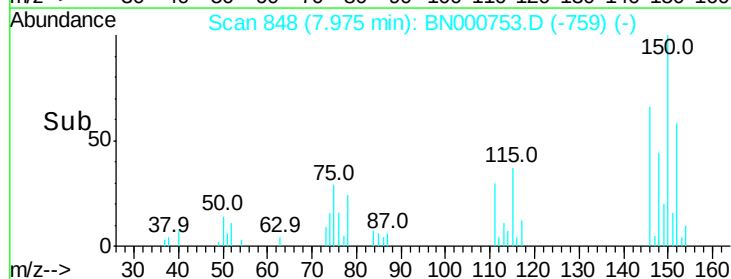
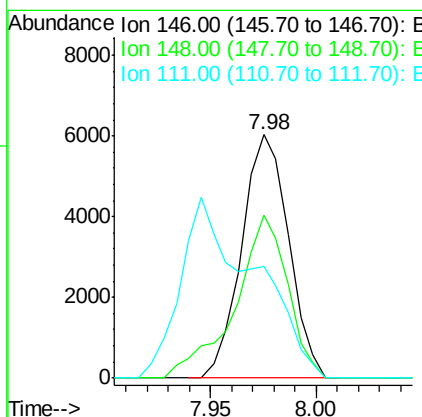
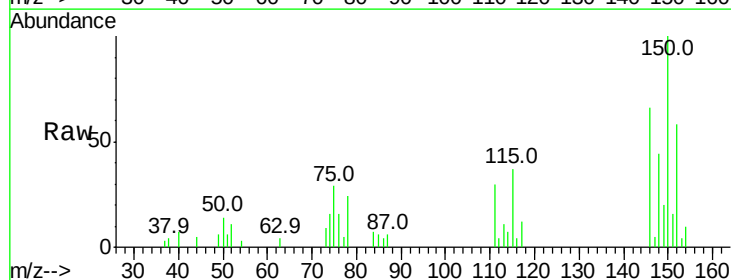
Instrument :  
 BNA\_N  
 ClientSampled :

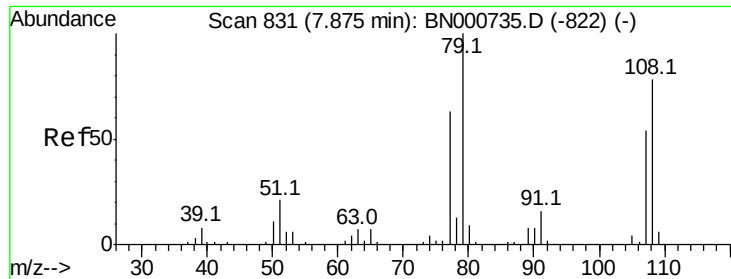
Tot Ion:146 Resp: 9398  
 Ion Ratio Lower Upper  
 146 100  
 148 58.4 53.7 80.5  
 111 39.7 35.2 52.8



#14  
 1,2-Dichlorobenzene  
 Concen: 1.046 ng  
 RT: 7.98 min Scan# 848  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:146 Resp: 9277  
 Ion Ratio Lower Upper  
 146 100  
 148 67.1 49.3 73.9  
 111 45.7 34.3 51.5

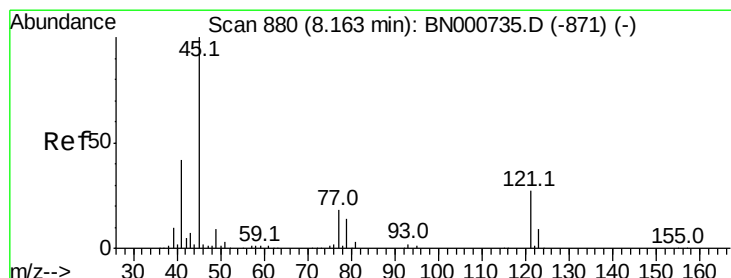
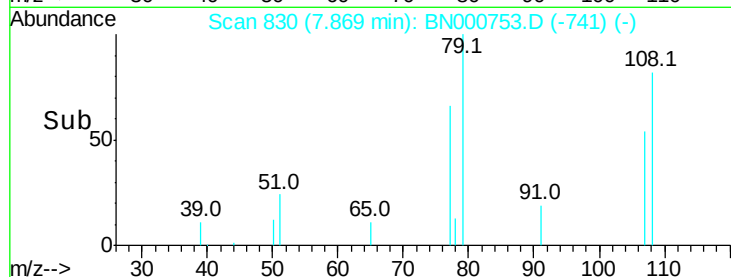
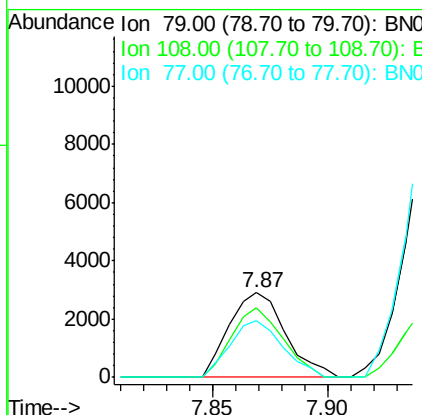
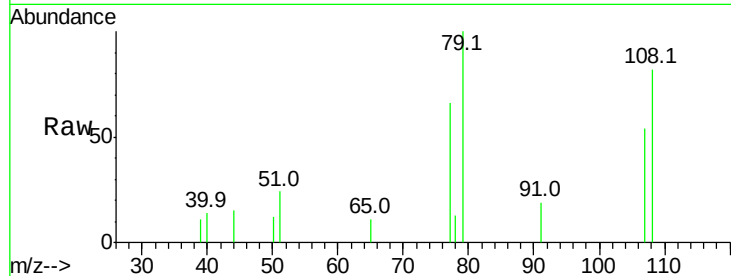




#15  
Benzyl Alcohol  
Concen: 0.692 ng  
RT: 7.87 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

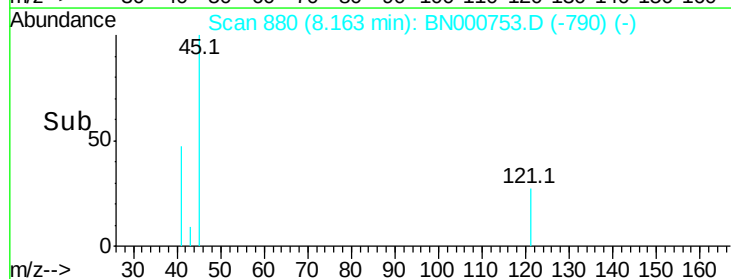
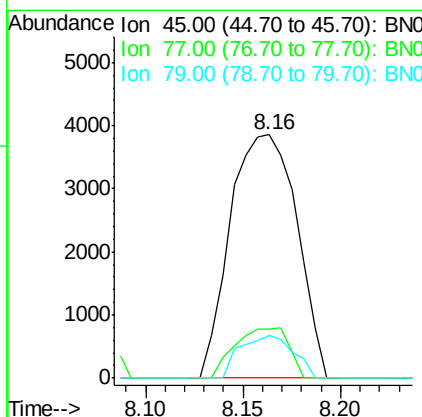
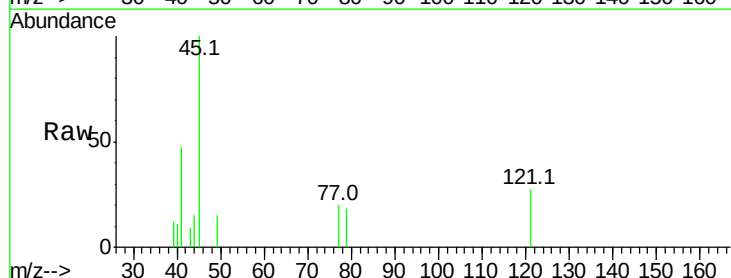
Instrument :  
BNA\_N  
ClientSampled :

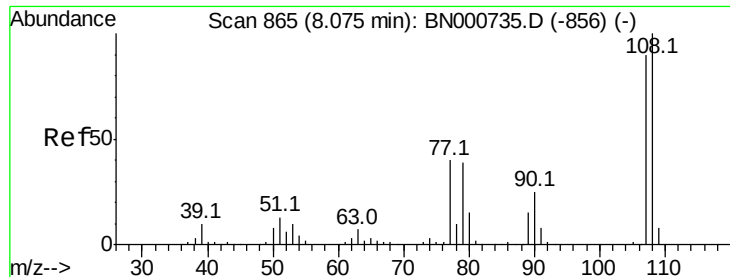
Tot Ion: 79 Resp: 4939  
Ion Ratio Lower Upper  
79 100  
108 81.9 57.2 85.8  
77 66.5 46.1 69.1



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 0.956 ng  
RT: 8.16 min Scan# 880  
Delta R.T. -0.00 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion: 45 Resp: 9084  
Ion Ratio Lower Upper  
45 100  
77 19.9 0.0 30.2  
79 17.5 0.0 27.9

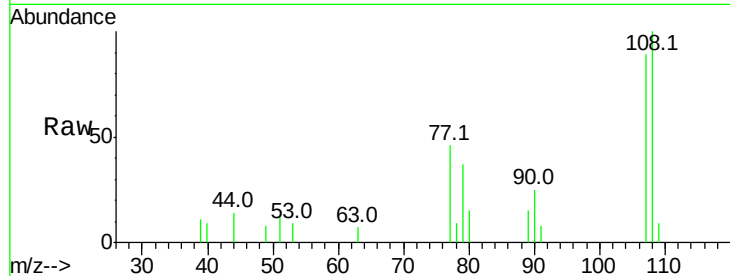




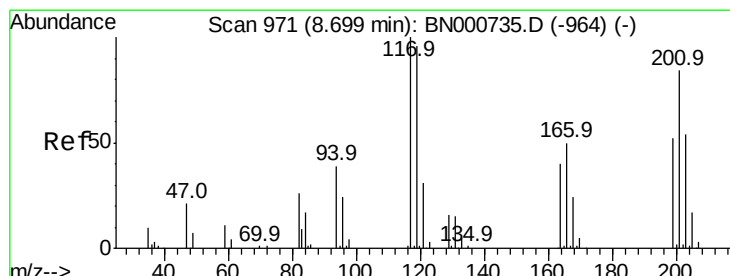
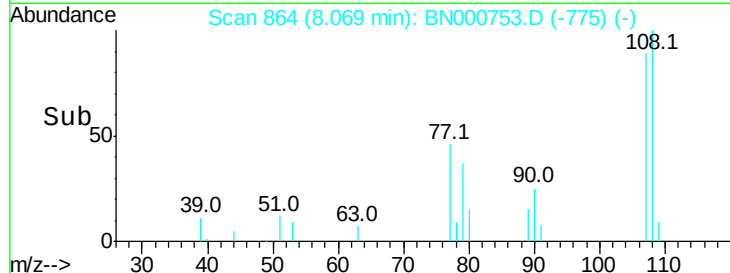
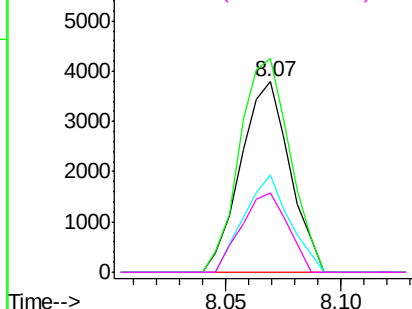
#17  
2-Methylphenol  
Concen: 0.765 ng  
RT: 8.07 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:107 Resp: 5624  
Ion Ratio Lower Upper  
107 100  
108 112.1 83.9 125.9  
77 51.1 37.2 55.8  
79 41.5 36.2 54.2

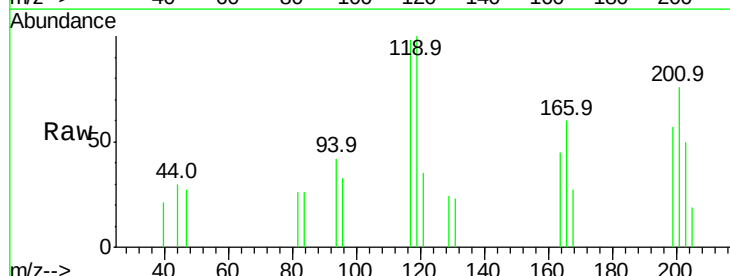


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BNC  
Ion 79.00 (78.70 to 79.70): BNC

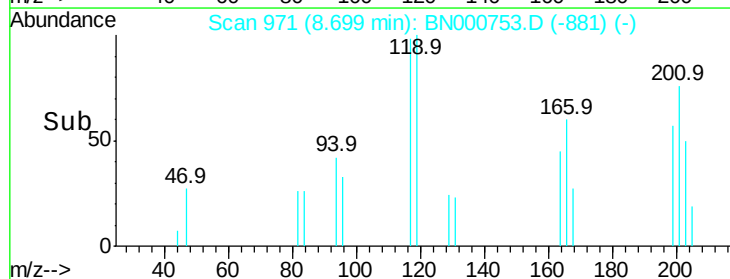
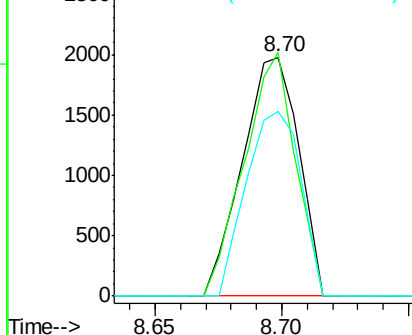


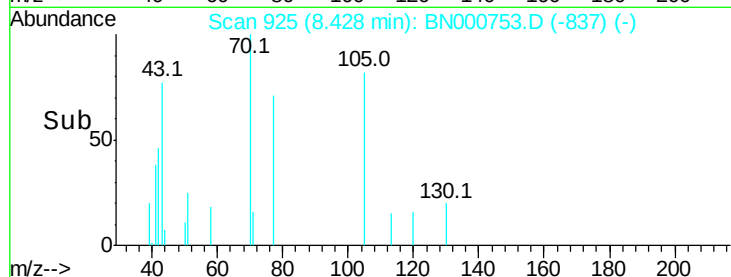
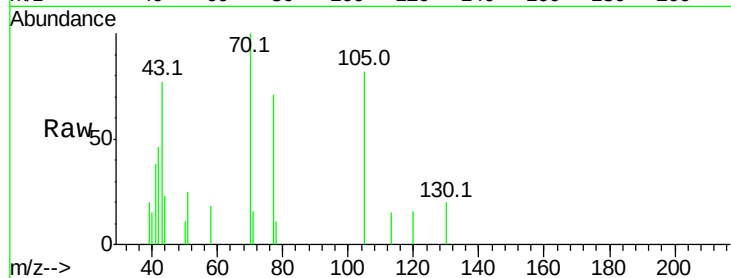
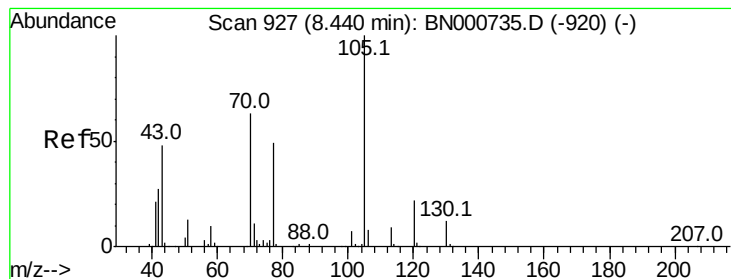
#18  
Hexachloroethane  
Concen: 0.897 ng  
RT: 8.70 min Scan# 971  
Delta R.T. -0.00 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:117 Resp: 3070  
Ion Ratio Lower Upper  
117 100  
119 102.1 76.7 115.1  
201 77.4 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 0.710 ng

RT: 8.43 min Scan# 925

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

Tot Ion: 70 Resp: 4587

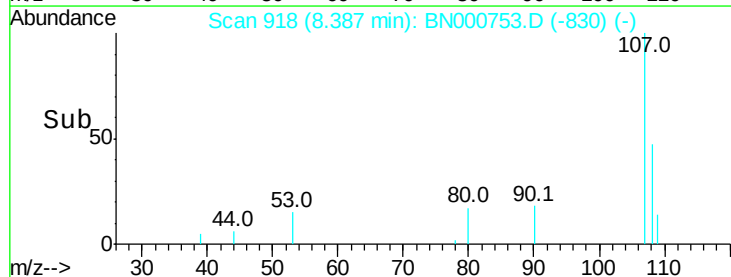
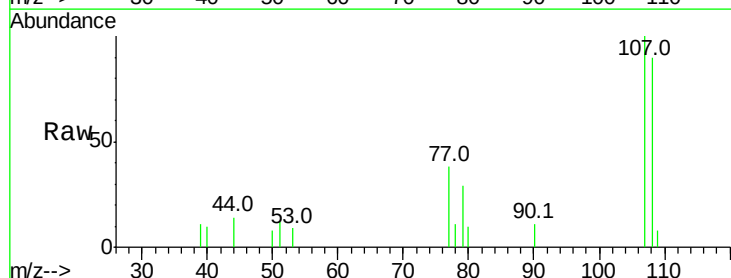
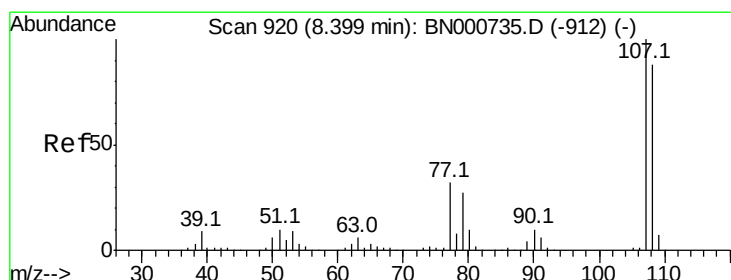
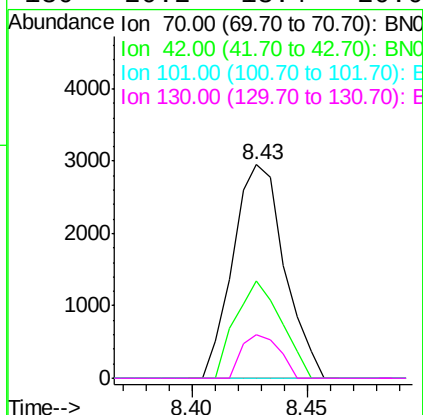
Ion Ratio Lower Upper

70 100

42 45.6 49.1 73.7#

101 0.0 8.5 12.7#

130 20.2 13.4 20.0#



#20

3+4-Methylphenols

Concen: 0.692 ng

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Tgt Ion:107 Resp: 6990

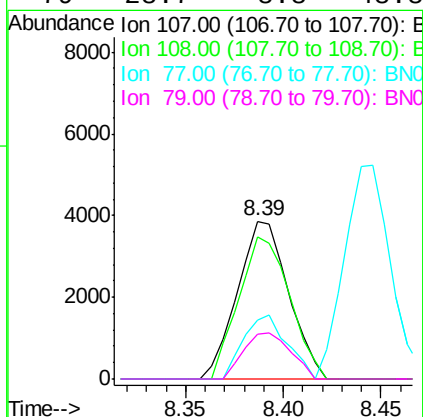
Ion Ratio Lower Upper

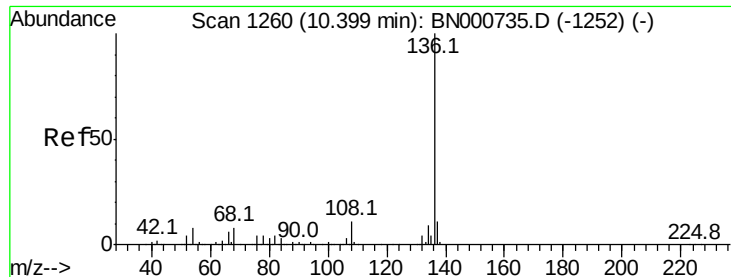
107 100

108 89.9 61.6 101.6

77 37.7 13.9 53.9

79 28.7 8.8 48.8

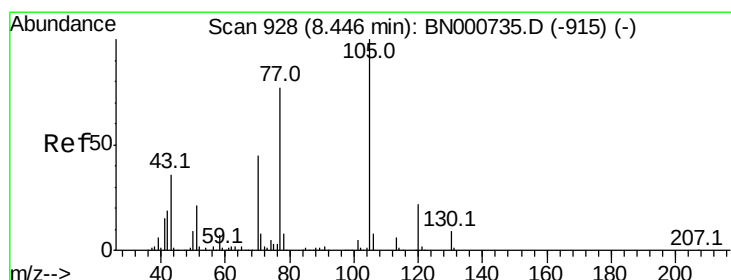
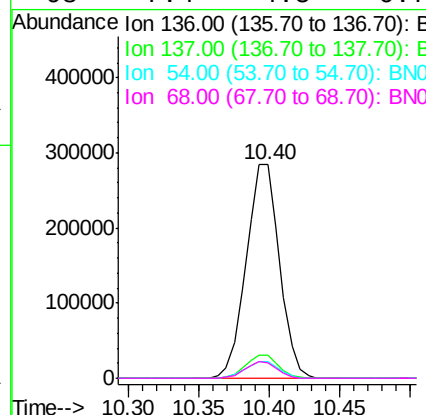
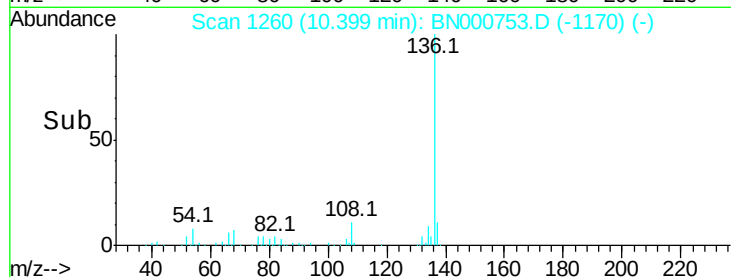
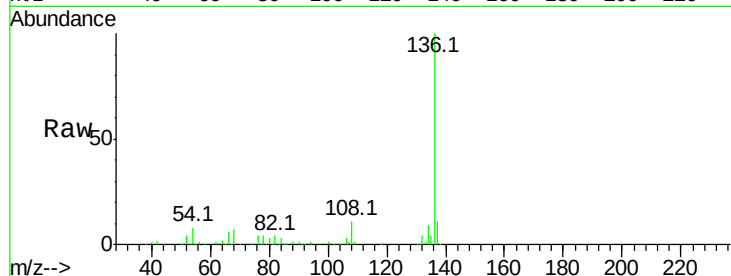




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.40 min Scan# 1260  
Delta R.T. -0.00 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

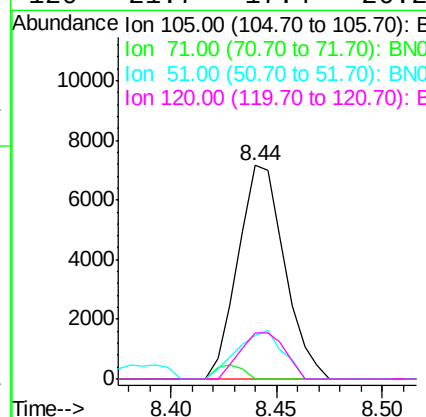
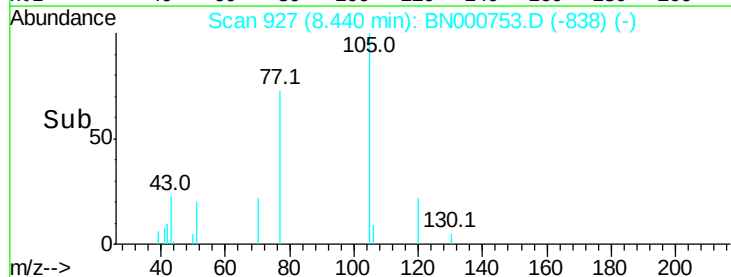
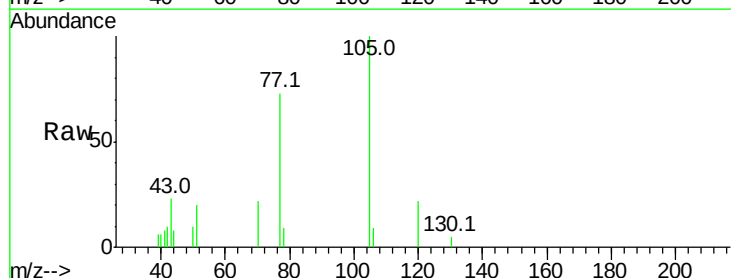
Instrument :  
BNA\_N  
ClientSampleId :

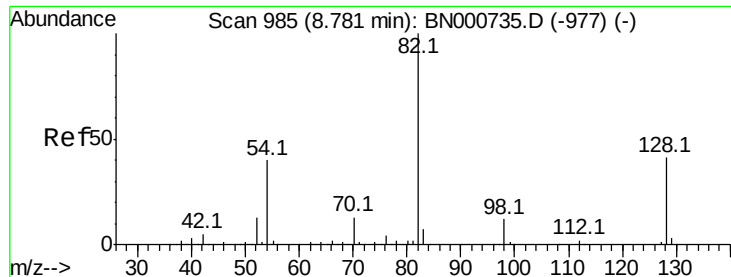
|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 470206     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.9  | 9.2 13.8   |
| 54          | 7.7   | 10.3 15.5# |
| 68          | 7.4   | 4.5 6.7#   |



#22  
Acetophenone  
Concen: 0.814 ng  
RT: 8.44 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 10973      |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.0   | 3.0 4.4#   |
| 51          | 20.2  | 26.1 39.1# |
| 120         | 21.7  | 17.4 26.2  |

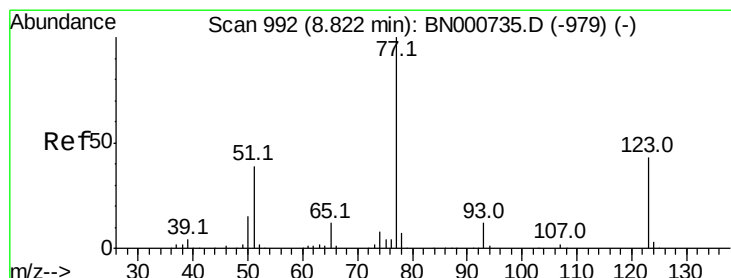
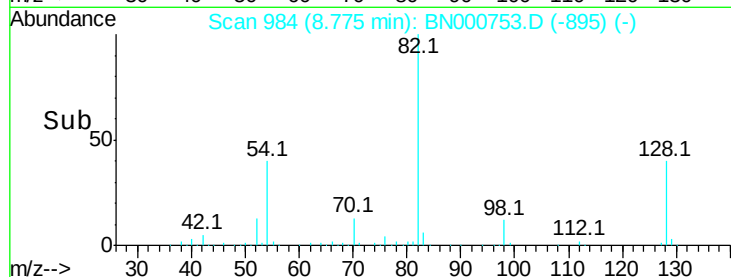
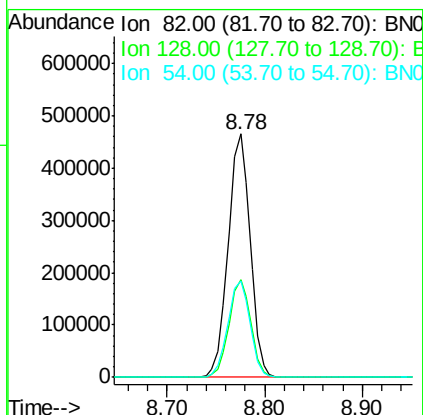
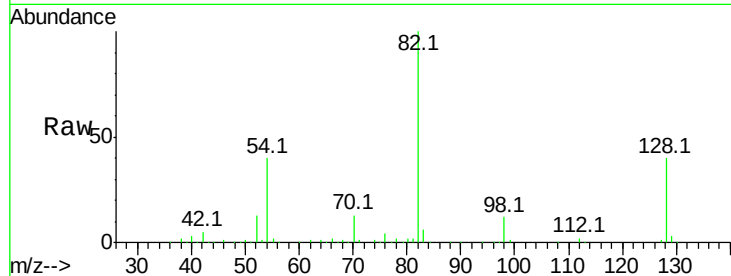




#23  
Nitrobenzene-d5  
Concen: 80.885 ng  
RT: 8.78 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

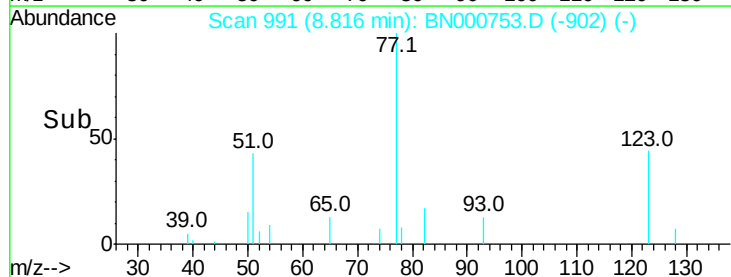
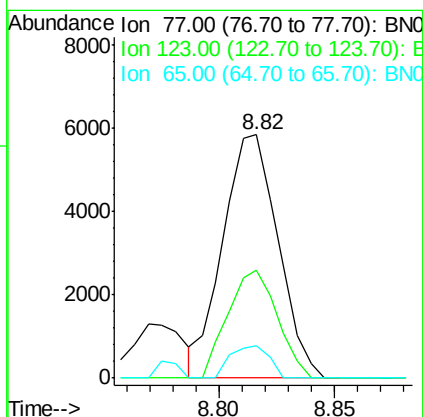
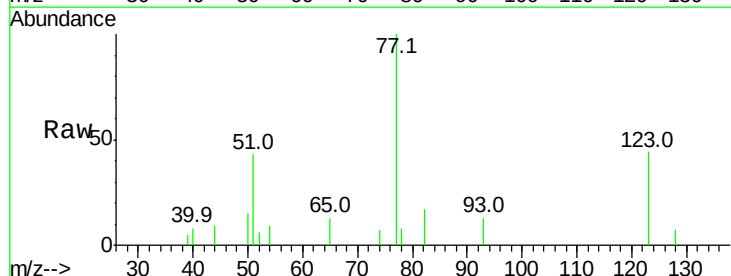
Instrument :  
BNA\_N  
ClientSampleId :

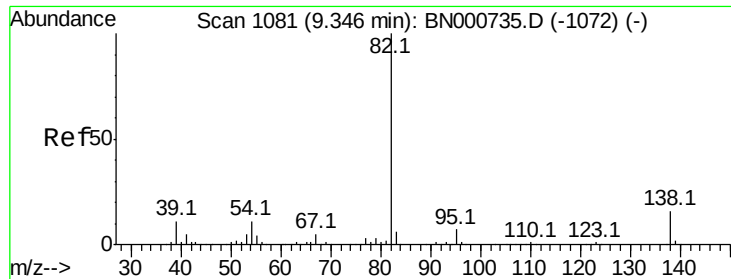
| Tot Ion | 82    | Resp  | 729565 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 40.2  | 29.7  | 44.5   |
| 54      | 39.6  | 43.1  | 64.7#  |



#24  
Nitrobenzene  
Concen: 1.006 ng  
RT: 8.82 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

| Tgt Ion | 77    | Resp  | 9727  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 77      | 100   |       |       |
| 123     | 44.4  | 33.0  | 49.6  |
| 65      | 13.1  | 13.0  | 19.6  |





#25

Isophorone

Concen: 0.683 ng

RT: 9.33 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

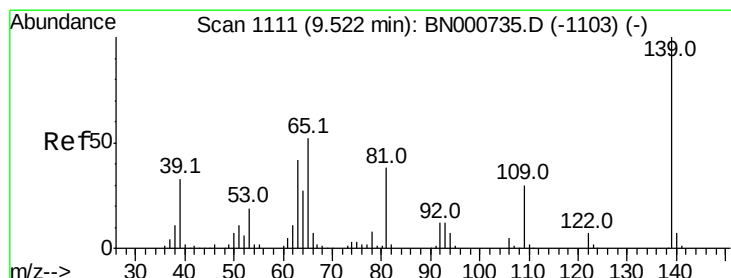
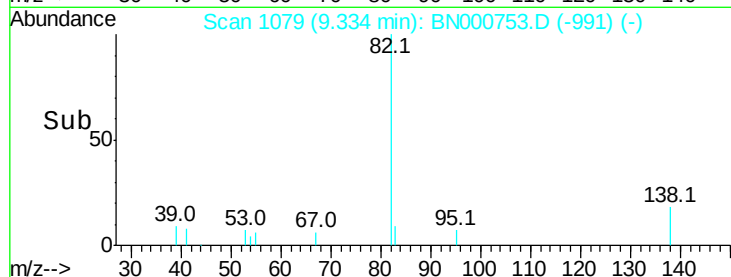
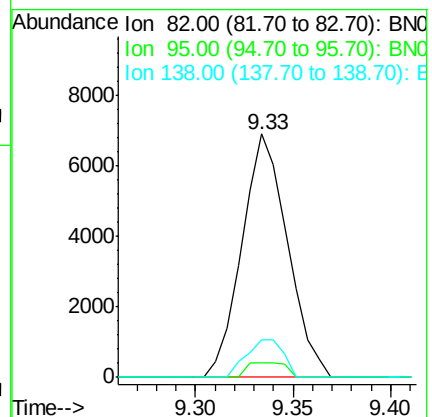
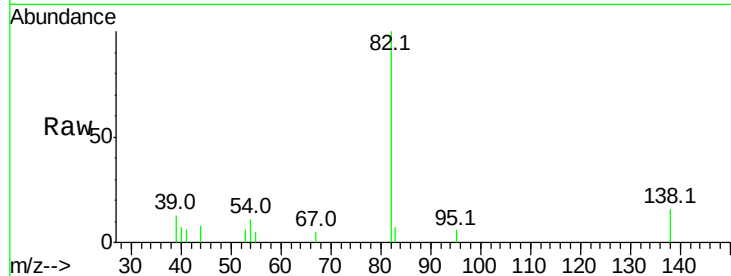
Tot Ion: 82 Resp: 11156

Ion Ratio Lower Upper

82 100

95 5.8 6.2 9.2#

138 15.5 12.1 18.1



#26

2-Nitrophenol

Concen: 0.535 ng

RT: 9.52 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

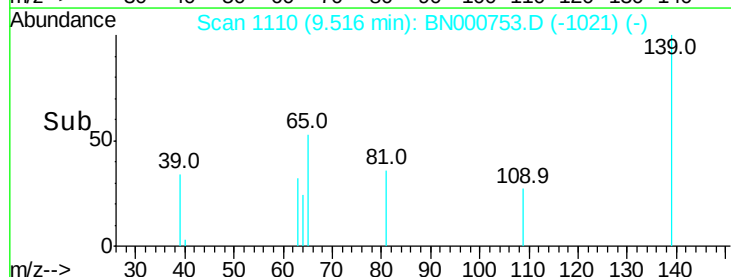
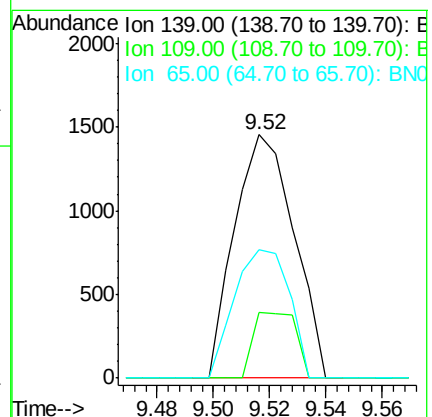
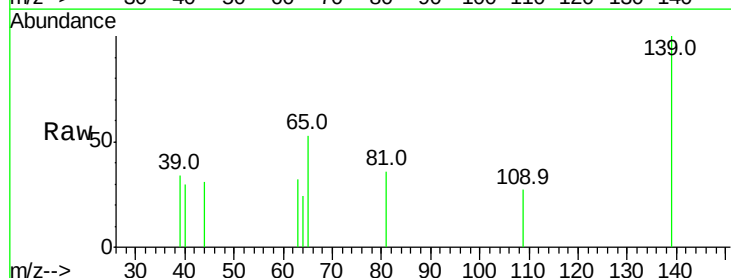
Tgt Ion:139 Resp: 2119

Ion Ratio Lower Upper

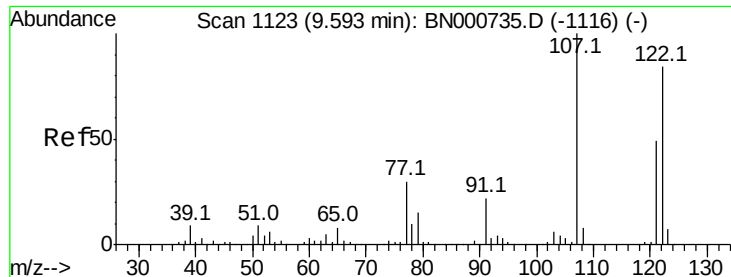
139 100

109 27.1 24.2 36.2

65 52.8 47.4 71.0



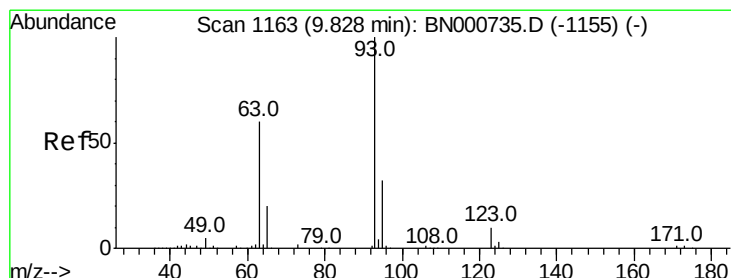
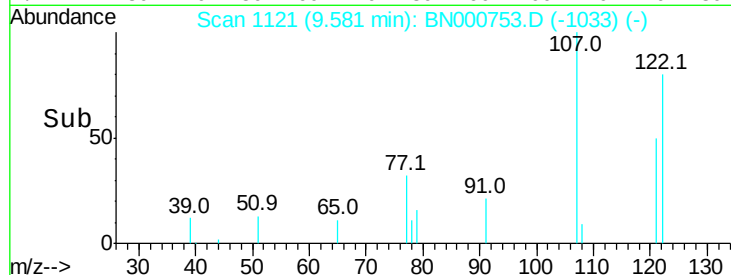
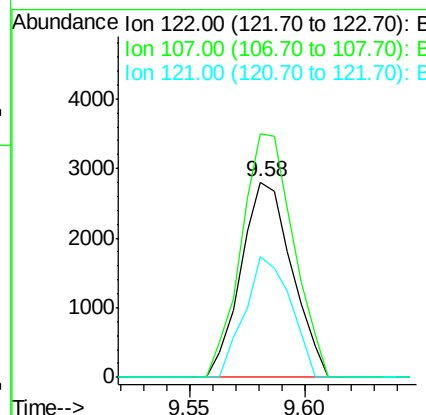
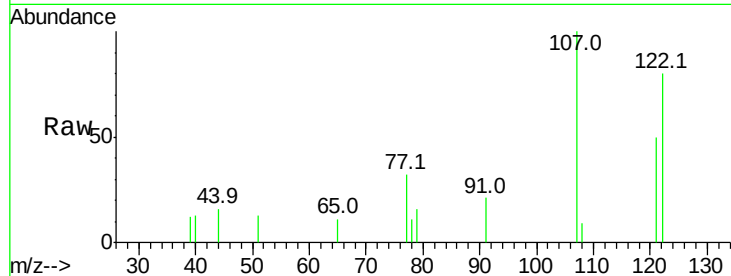




#27  
 2,4-Dimethylphenol  
 Concen: 0.666 ng  
 RT: 9.58 min Scan# 1121  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

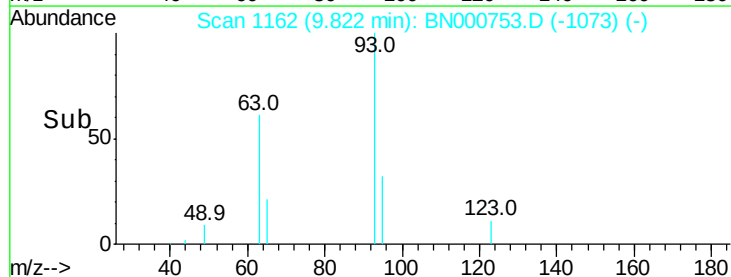
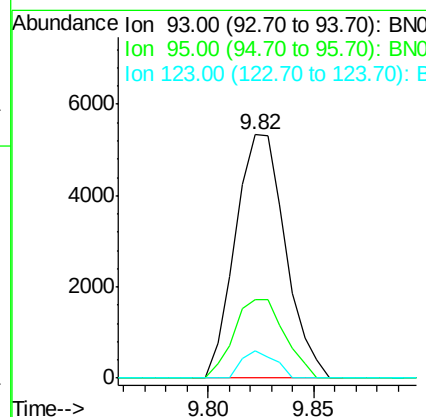
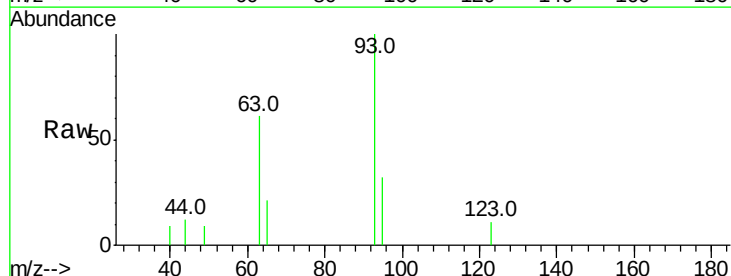
Instrument :  
 BNA\_N  
 ClientSampleId :

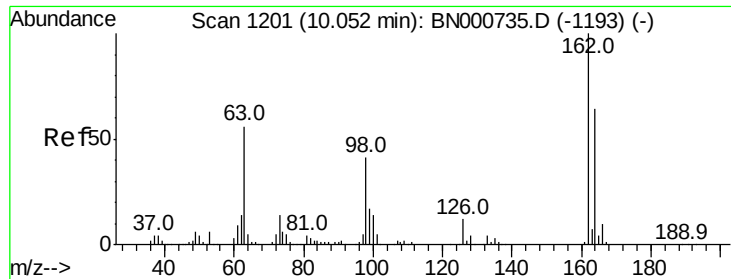
Tot Ion:122 Resp: 4311  
 Ion Ratio Lower Upper  
 122 100  
 107 124.6 100.2 150.2  
 121 62.0 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 0.822 ng  
 RT: 9.82 min Scan# 1162  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion: 93 Resp: 8756  
 Ion Ratio Lower Upper  
 93 100  
 95 32.4 24.3 36.5  
 123 11.0 8.4 12.6

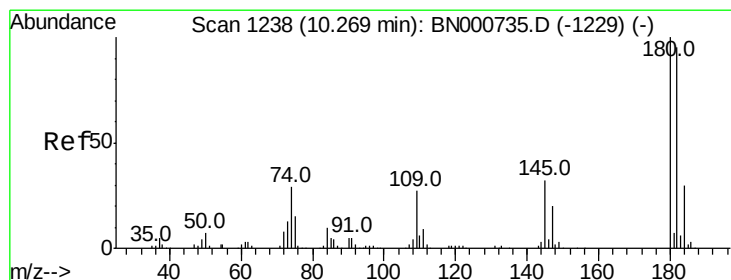
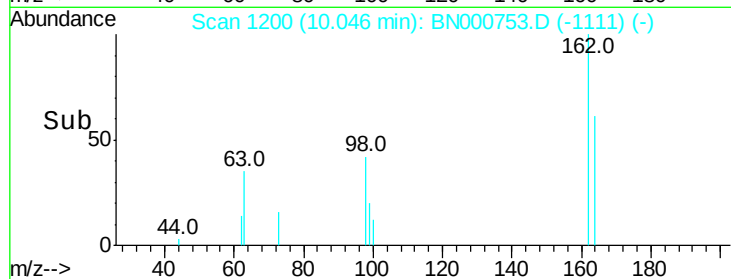
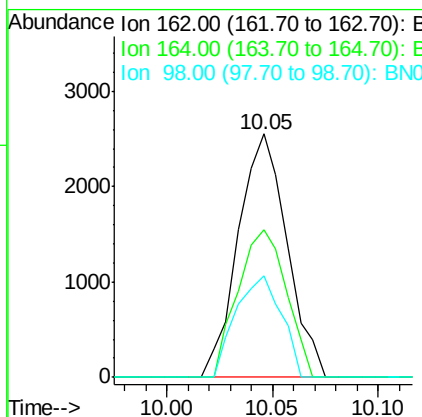
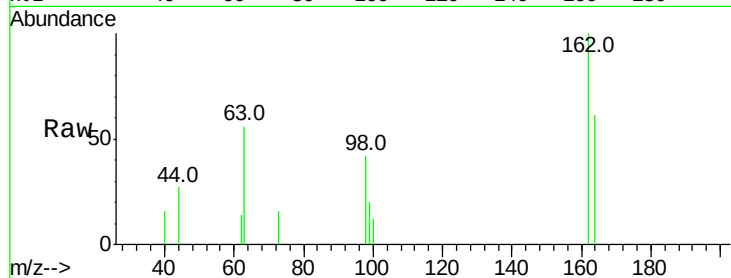




#29  
 2,4-Dichlorophenol  
 Concen: 0.644 ng  
 RT: 10.05 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

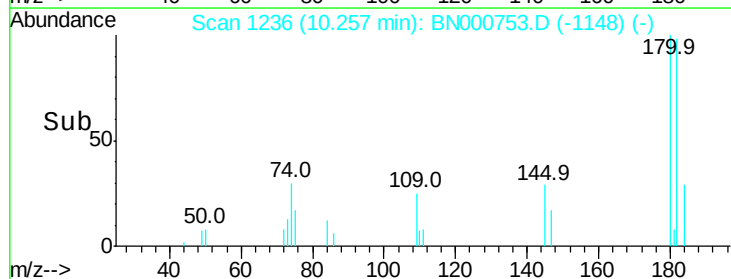
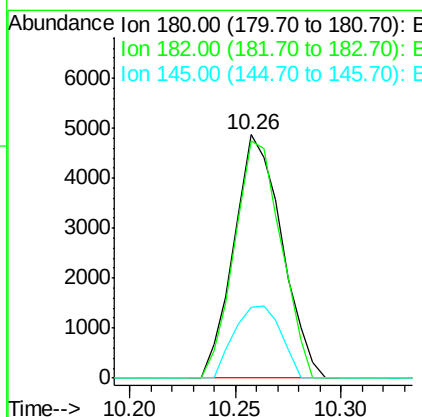
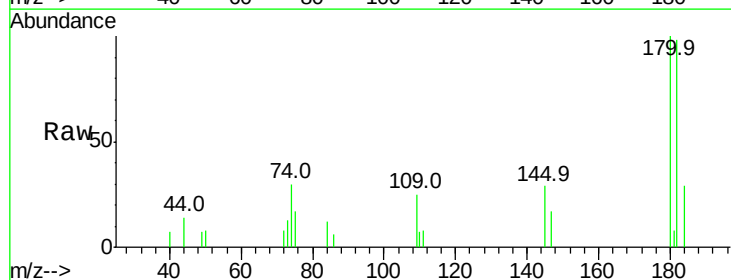
Instrument :  
 BNA\_N  
 ClientSampleId :

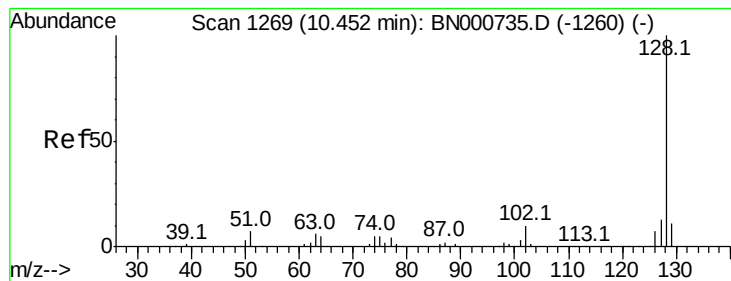
Tot Ion:162 Resp: 4104  
 Ion Ratio Lower Upper  
 162 100  
 164 60.7 48.0 88.0  
 98 41.8 21.1 61.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 1.001 ng  
 RT: 10.26 min Scan# 1236  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:180 Resp: 7685  
 Ion Ratio Lower Upper  
 180 100  
 182 97.5 77.5 116.3  
 145 29.2 23.4 35.2





#31

Naphthalene

Concen: 1.018 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

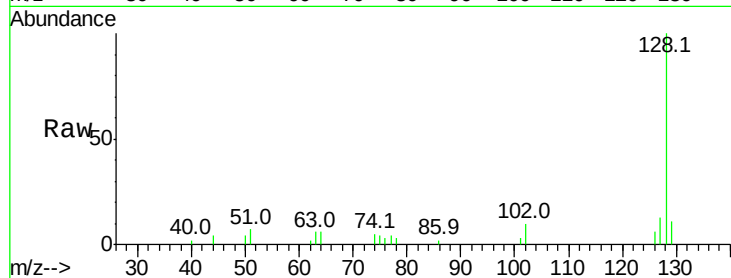
Tot Ion:128 Resp: 25724

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

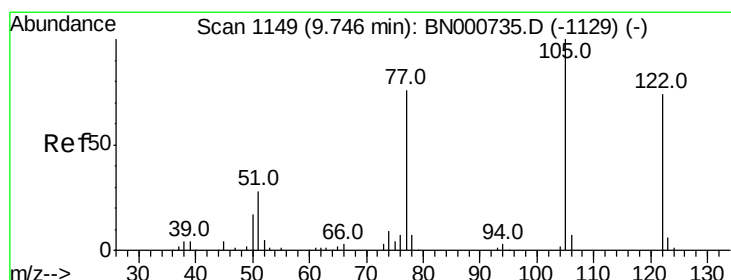
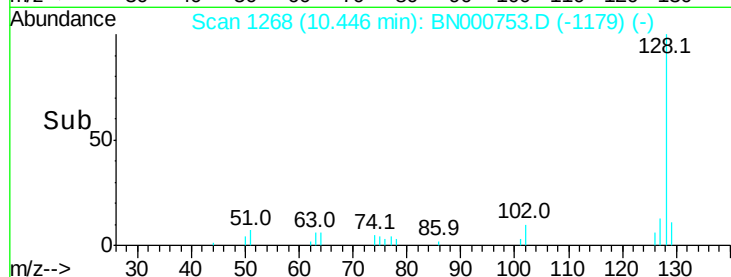
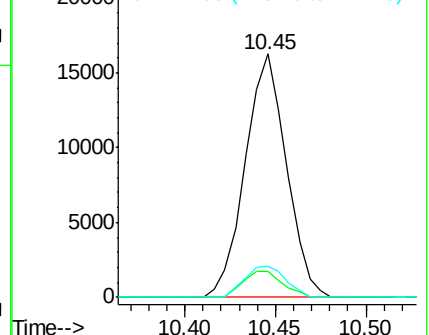
127 12.9 11.6 17.4



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



#32

Benzoic acid

Concen: 5.239 ng

RT: 9.58 min Scan# 1121

Delta R.T. -0.16 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

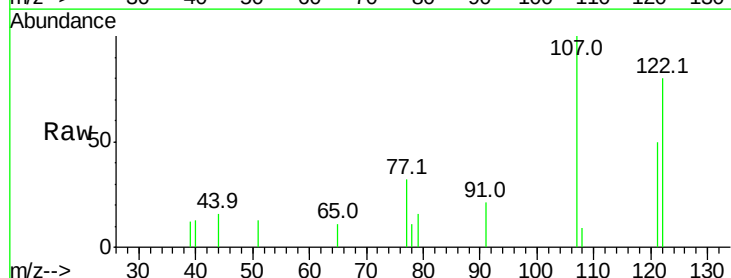
Tgt Ion:122 Resp: 4311

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

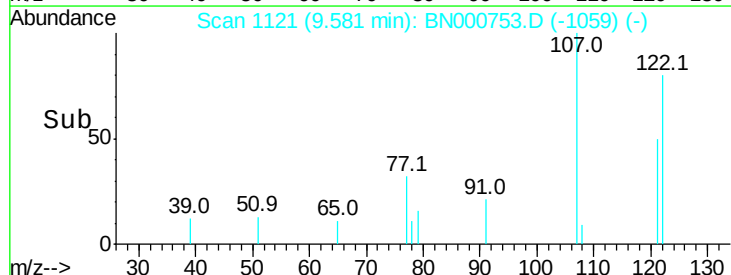
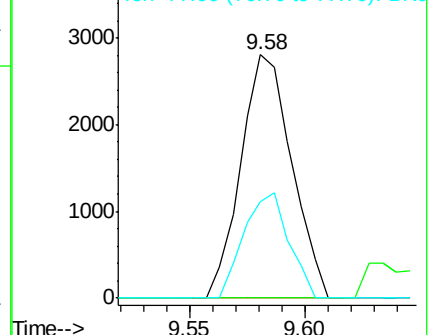
77 39.7 85.7 125.7#

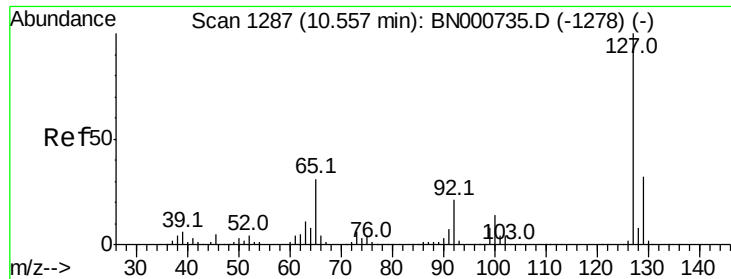


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

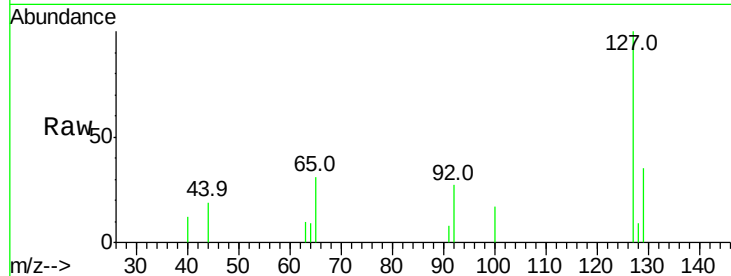




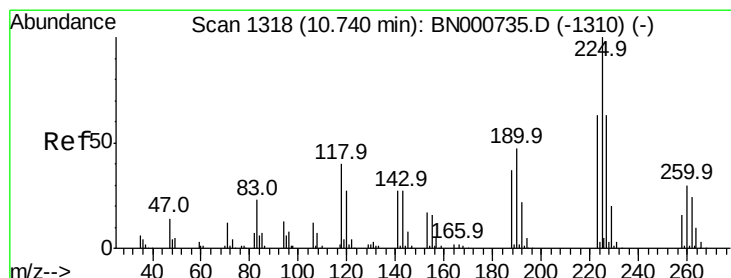
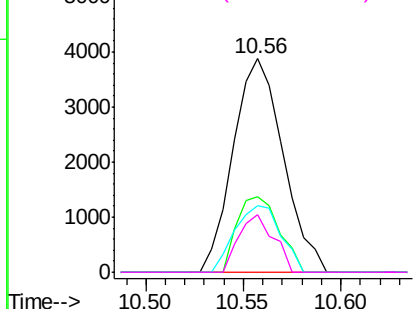
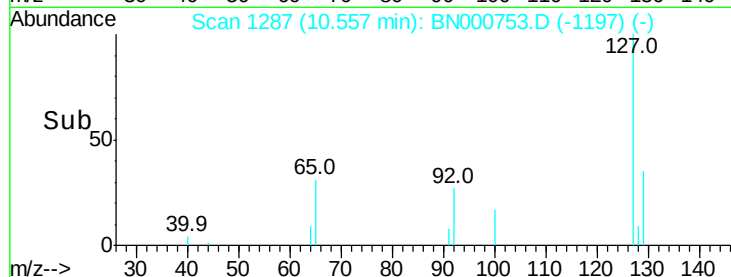
#33  
4-Chloroaniline  
Concen: 0.666 ng  
RT: 10.56 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Instrument :  
BNA\_N  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 6876  |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 35.4  | 24.0  | 36.0  |
| 65       | 31.1  | 27.0  | 40.4  |
| 92       | 26.9  | 16.6  | 25.0# |

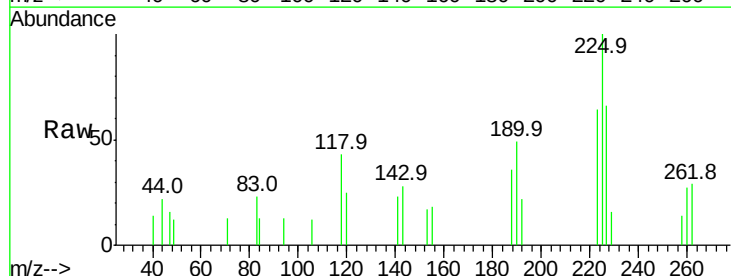


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BNC  
Ion 92.00 (91.70 to 92.70): BNC

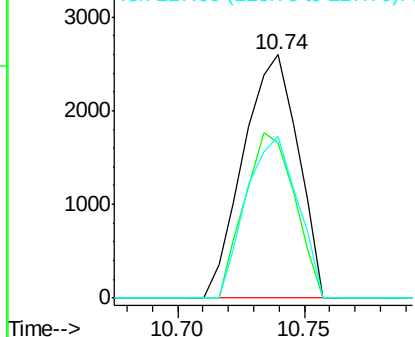
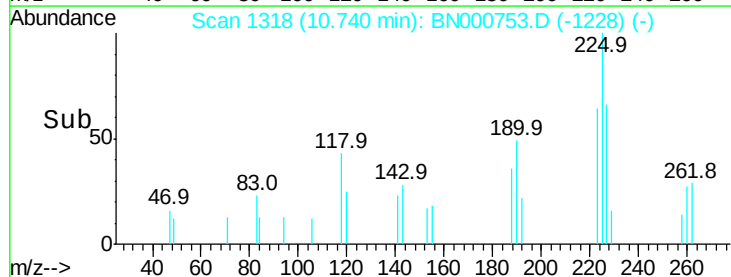


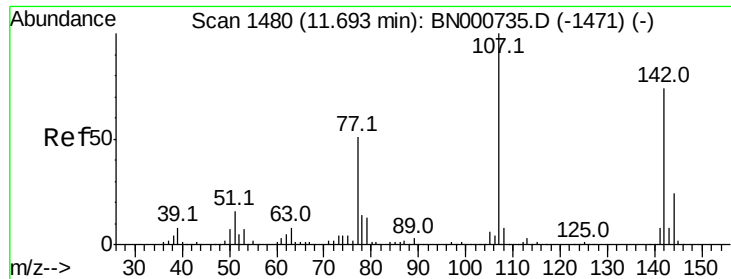
#34  
Hexachlorobutadiene  
Concen: 0.940 ng  
RT: 10.74 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 3918  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.0  | 49.7  | 74.5  |
| 227      | 66.4  | 48.1  | 72.1  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

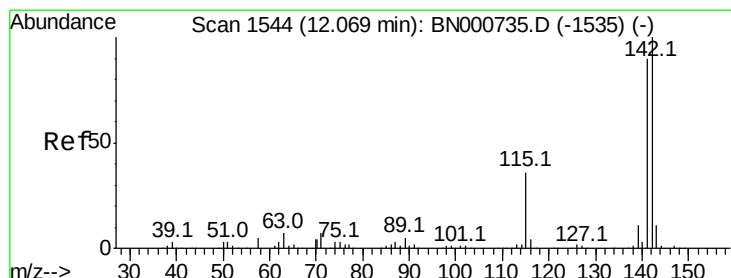
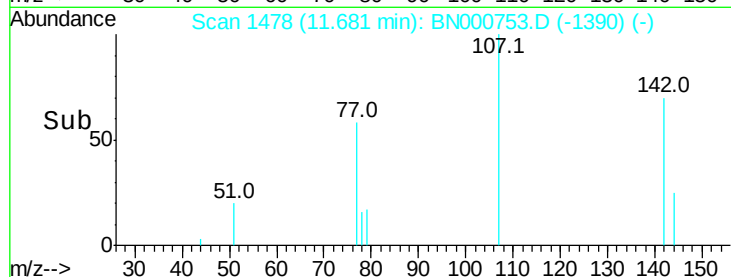
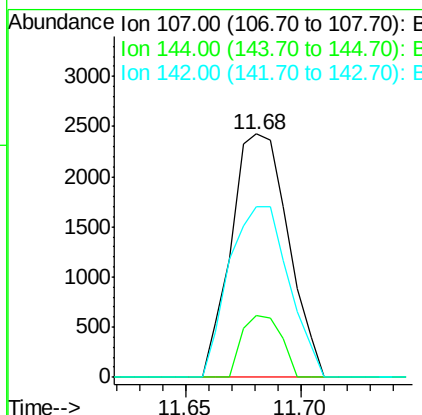
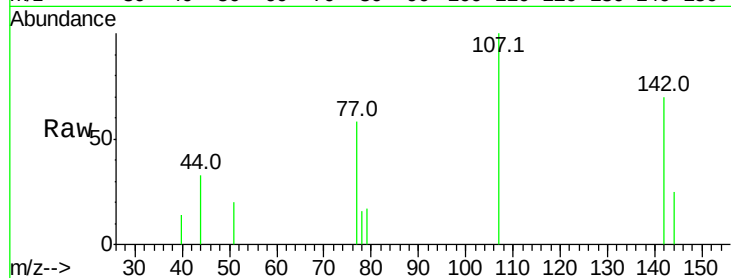




#36  
 4-Chloro-3-methylphenol  
 Concen: 0.554 ng  
 RT: 11.68 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

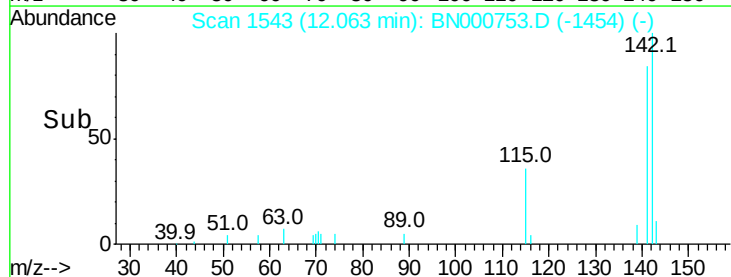
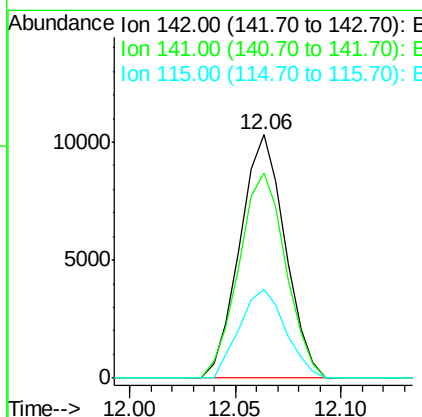
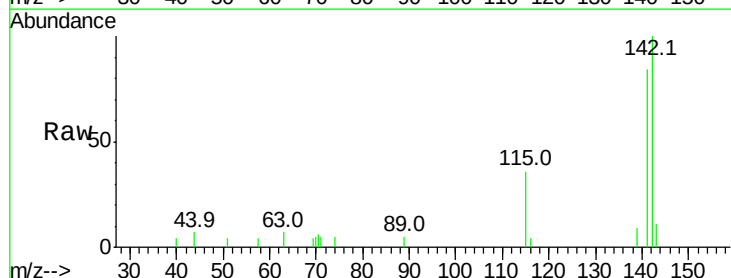
Instrument :  
 BNA\_N  
 ClientSampled :

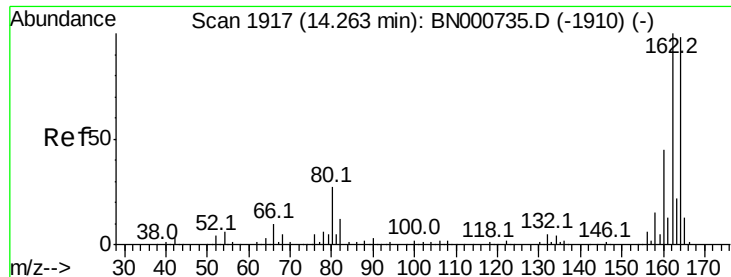
Tot Ion:107 Resp: 4169  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 18.2 27.4  
 142 69.9 59.0 88.4



#37  
 2-Methylnaphthalene  
 Concen: 0.926 ng  
 RT: 12.06 min Scan# 1543  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:142 Resp: 15336  
 Ion Ratio Lower Upper  
 142 100  
 141 84.1 67.1 100.7  
 115 36.4 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

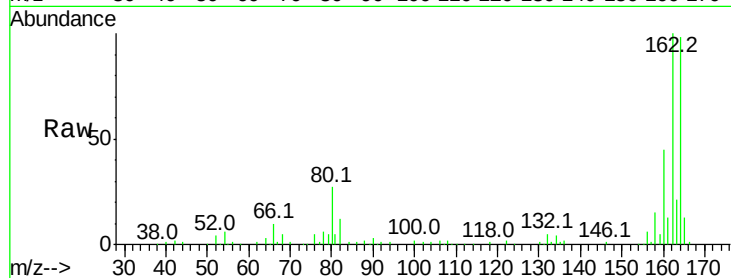
Tot Ion:164 Resp: 235290

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

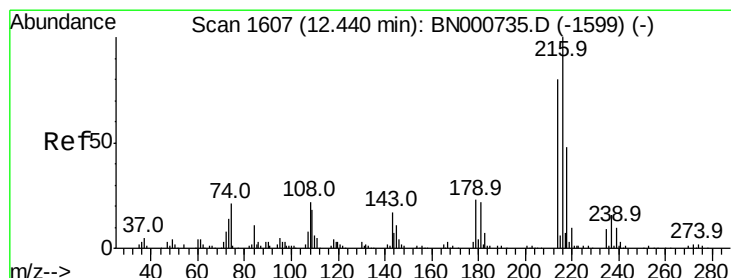
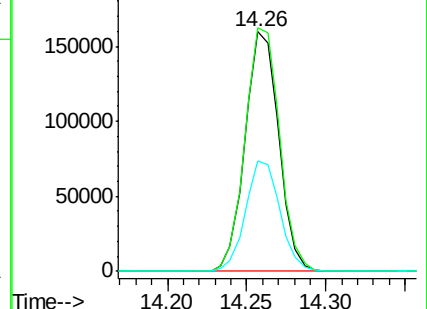
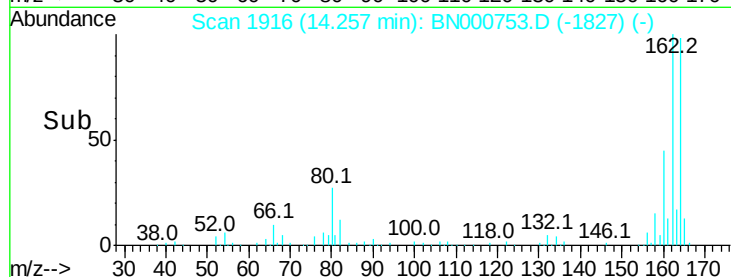
160 46.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.017 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Tgt Ion:216 Resp: 7418

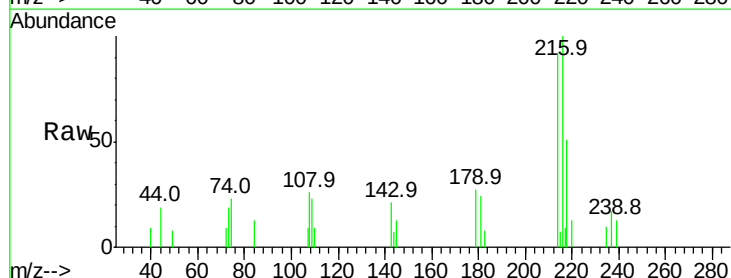
Ion Ratio Lower Upper

216 100

214 77.0 63.0 94.4

179 21.4 17.0 25.6

108 21.4 12.8 19.2#

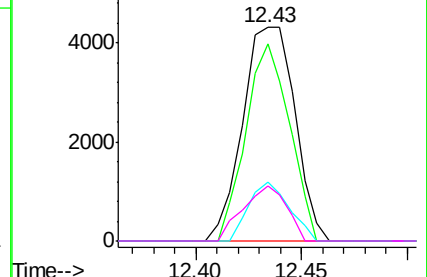
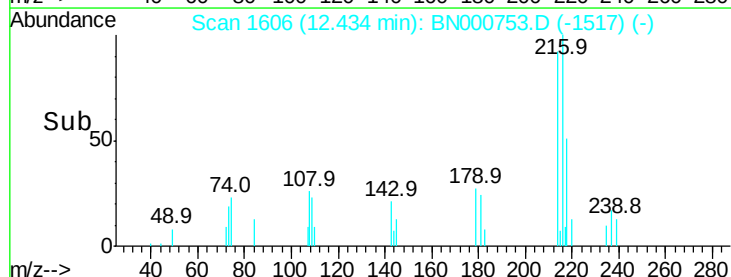


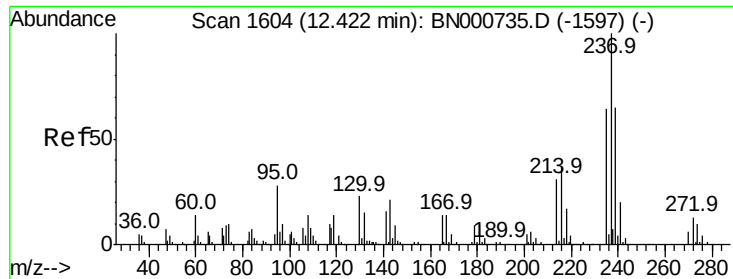
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 0.764 ng

RT: 12.42 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

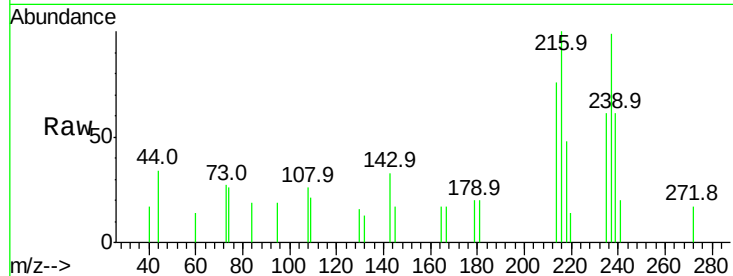
Tot Ion:237 Resp: 3271

Ion Ratio Lower Upper

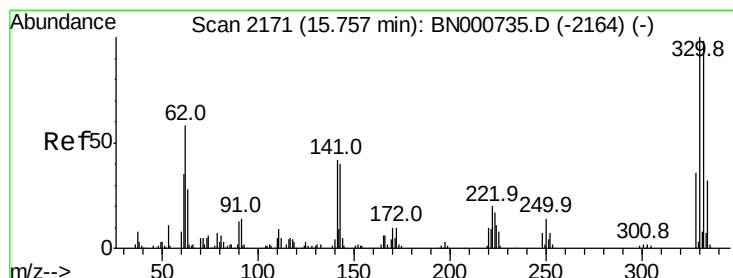
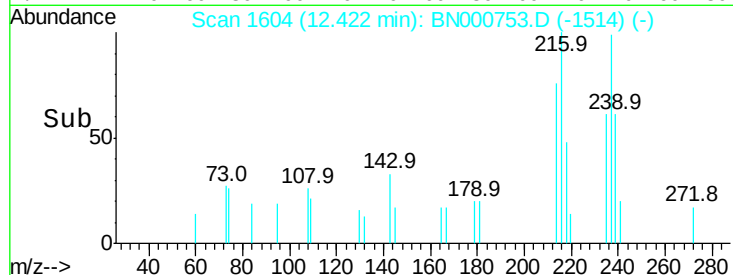
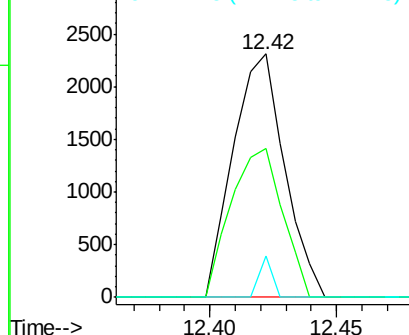
237 100

235 61.1 50.4 90.4

272 16.9 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 141.790 ng

RT: 15.75 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

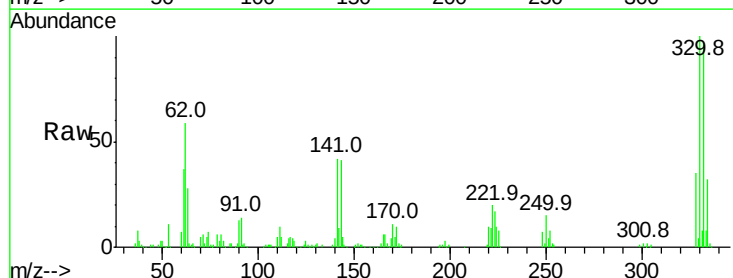
Tgt Ion:330 Resp: 335856

Ion Ratio Lower Upper

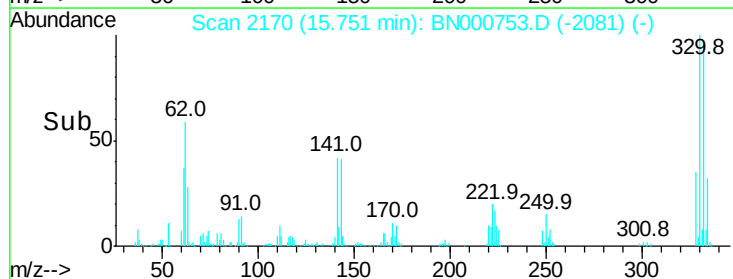
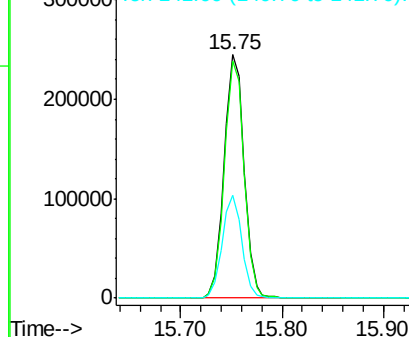
330 100

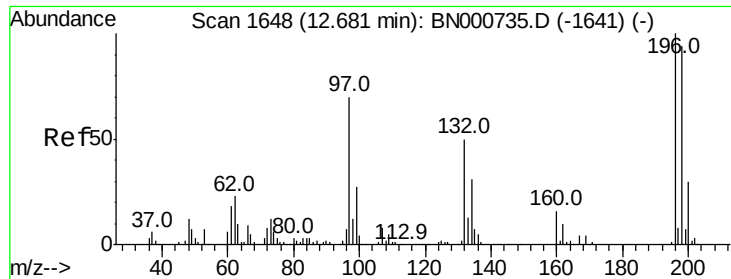
332 96.4 77.0 115.6

141 41.5 25.2 37.8#



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

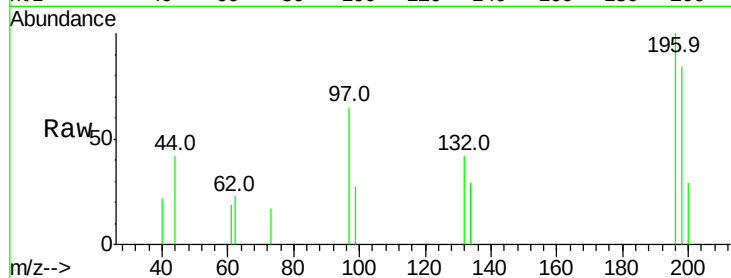




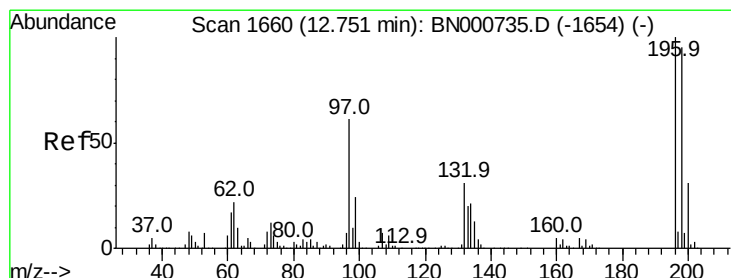
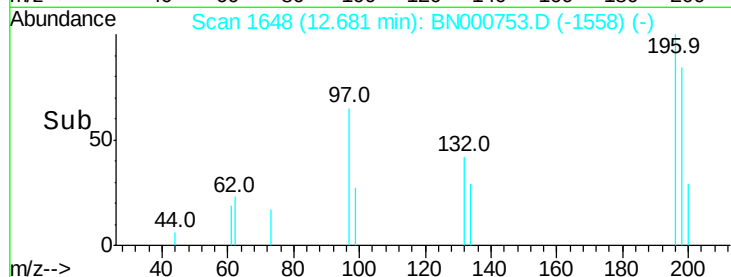
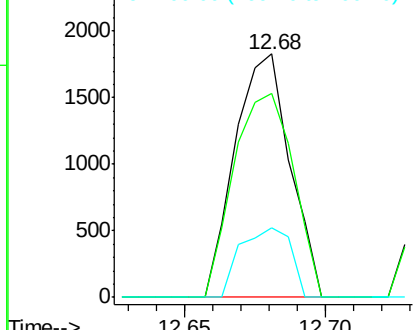
#42  
 2,4,6-Trichlorophenol  
 Concen: 0.559 ng  
 RT: 12.68 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:196 Resp: 2475  
 Ion Ratio Lower Upper  
 196 100  
 198 83.7 78.2 117.2  
 200 28.7 24.6 36.8

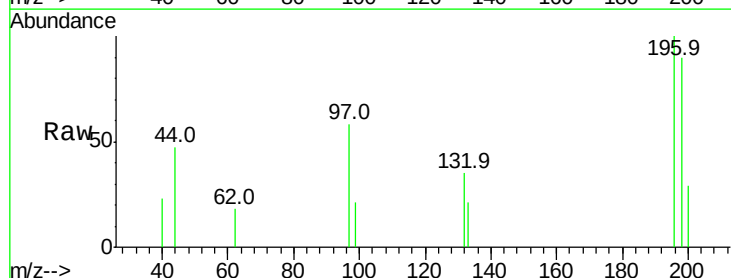


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

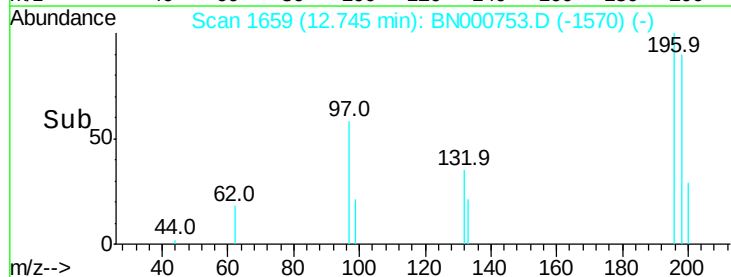
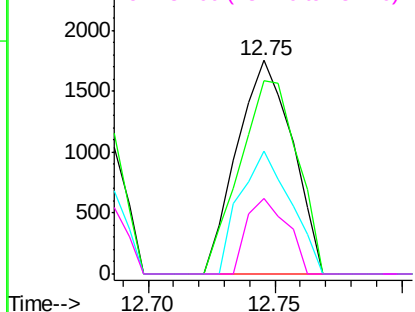


#43  
 2,4,5-Trichlorophenol  
 Concen: 0.523 ng  
 RT: 12.75 min Scan# 1659  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

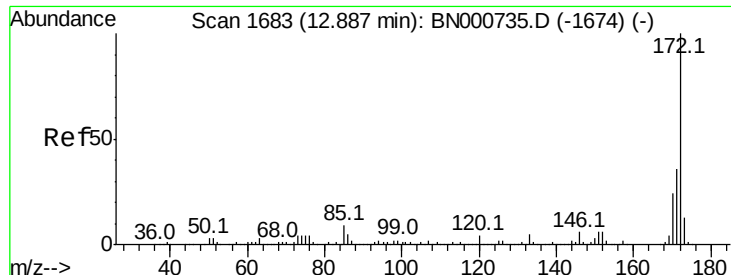
Tgt Ion:196 Resp: 2676  
 Ion Ratio Lower Upper  
 196 100  
 198 90.3 76.2 114.4  
 97 57.7 38.7 58.1  
 132 35.4 20.2 30.2#



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BNC  
 Ion 132.00 (131.70 to 132.70): E





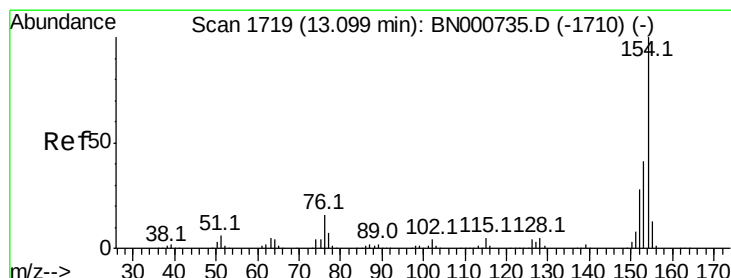
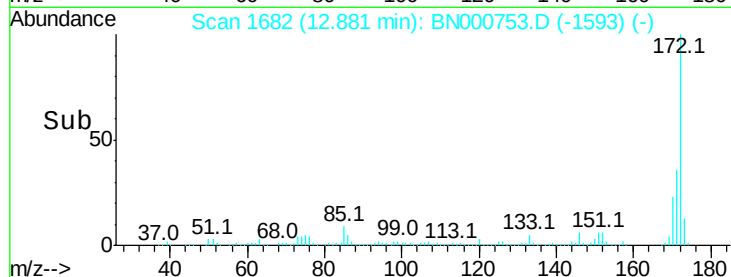
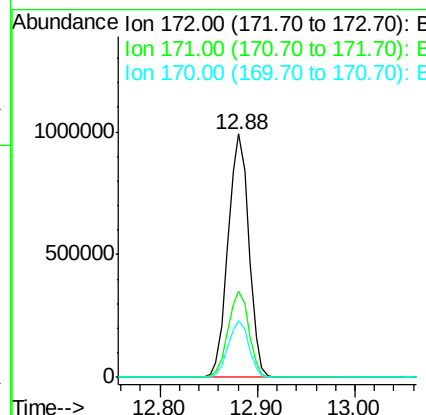
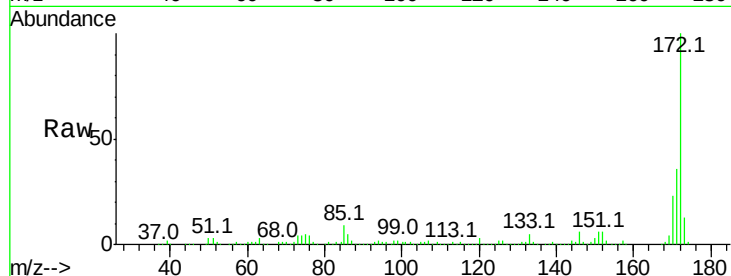


#44  
 2-Fluorobiphenyl  
 Concen: 85.890 ng  
 RT: 12.88 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:172 Resp: 1463942  

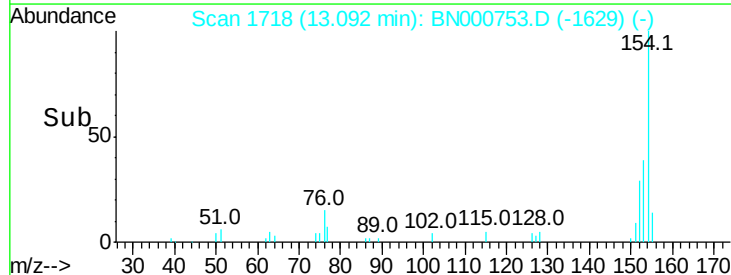
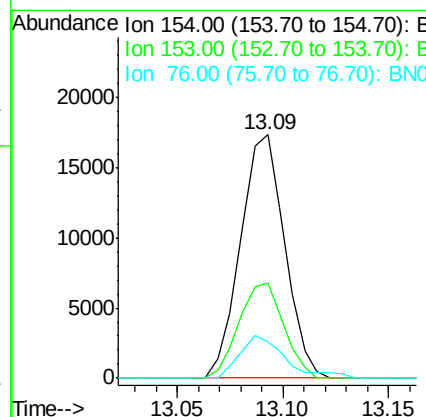
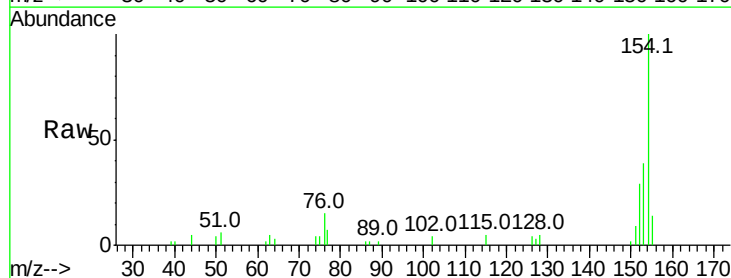
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.5  | 30.0  | 45.0  |
| 170 | 23.4  | 19.5  | 29.3  |

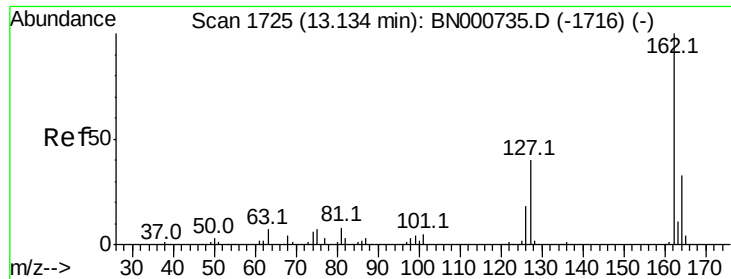


#45  
 1,1'-Biphenyl  
 Concen: 1.194 ng  
 RT: 13.09 min Scan# 1718  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:154 Resp: 25142  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.1  | 19.8  | 59.8  |
| 76  | 15.0  | 0.0   | 31.9  |

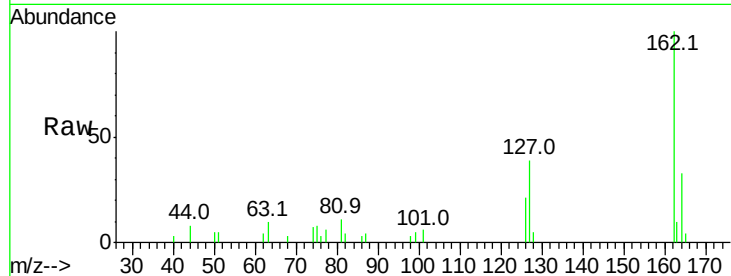




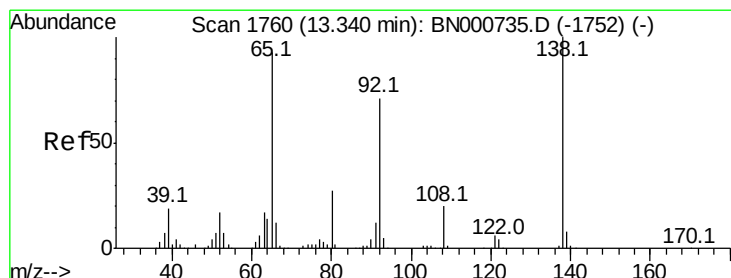
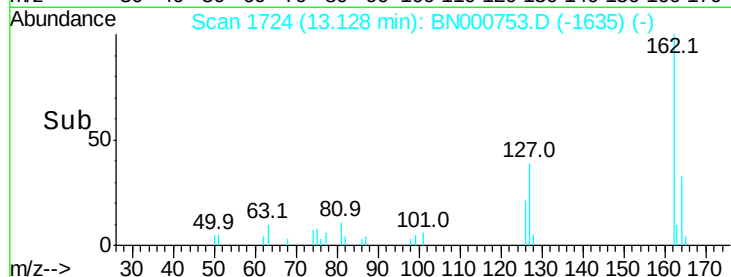
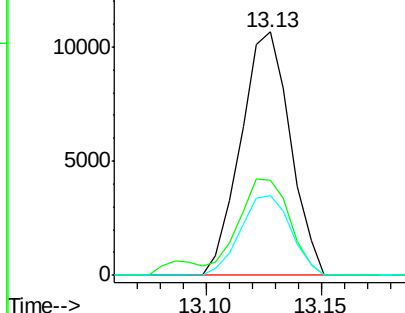
#46  
 2-Chloronaphthalene  
 Concen: 1.004 ng  
 RT: 13.13 min Scan# 1724  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:162 Resp: 15857  
 Ion Ratio Lower Upper  
 162 100  
 127 39.1 30.7 46.1  
 164 33.0 26.0 39.0

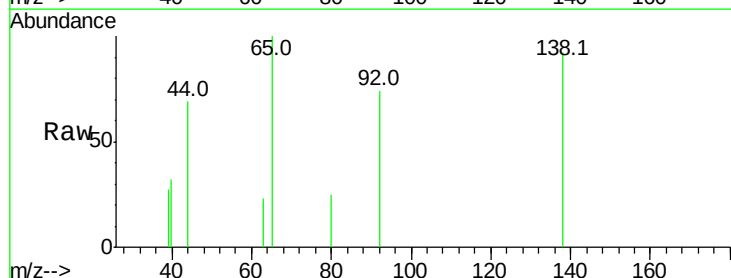


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

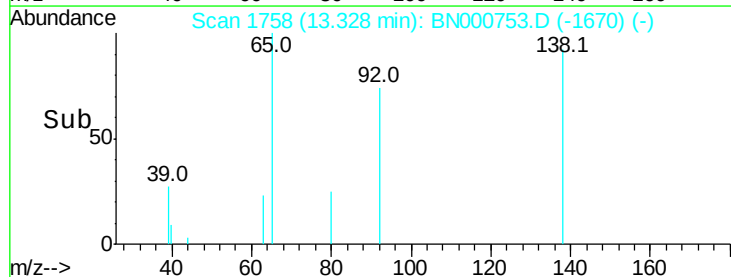
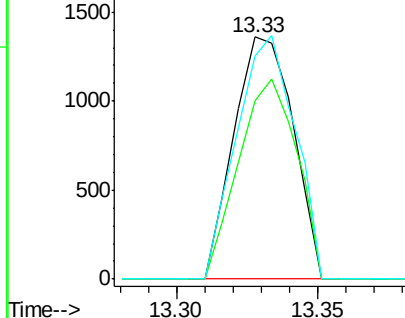


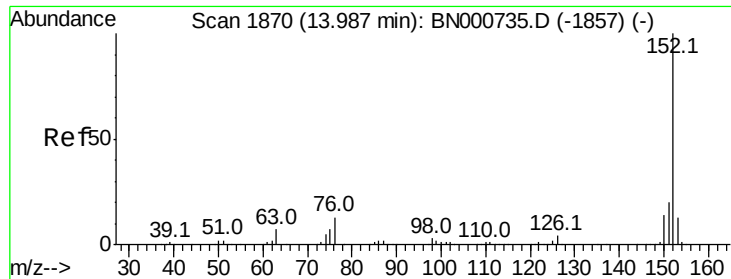
#47  
 2-Nitroaniline  
 Concen: 0.432 ng  
 RT: 13.33 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion: 65 Resp: 1978  
 Ion Ratio Lower Upper  
 65 100  
 92 73.8 54.6 82.0  
 138 92.4 72.9 109.3



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





#48

Acenaphthylene

Concen: 0.792 ng

RT: 13.98 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

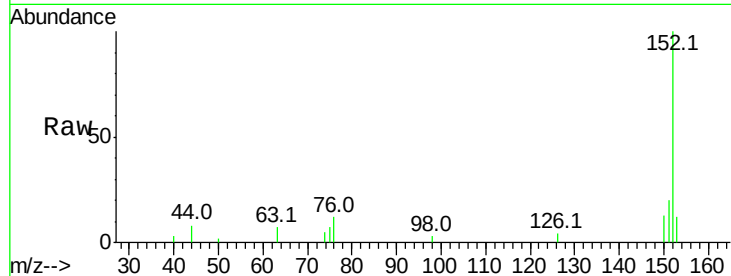
Tot Ion:152 Resp: 19822

Ion Ratio Lower Upper

152 100

151 19.5 17.2 25.8

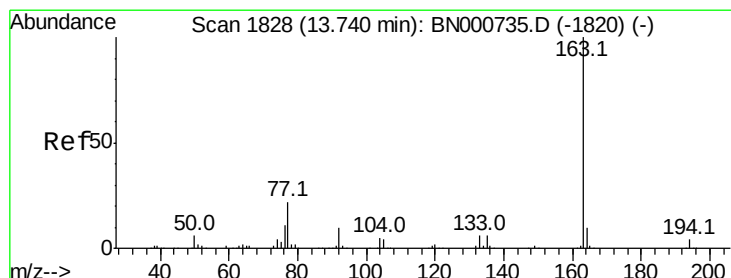
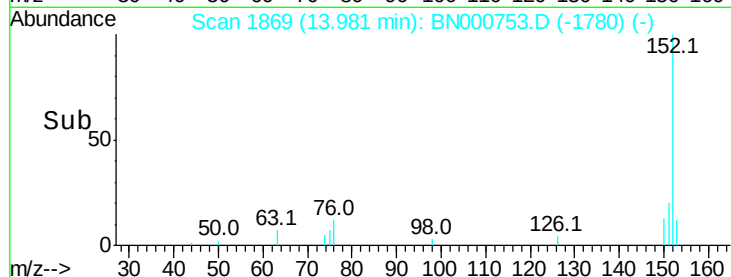
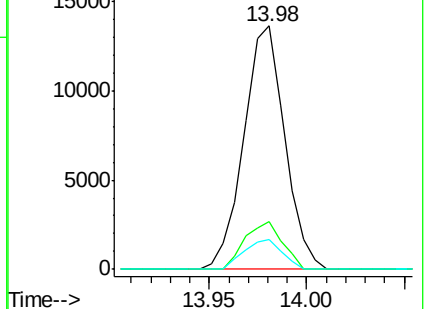
153 12.2 10.2 15.4



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



#49

Dimethylphthalate

Concen: 0.783 ng

RT: 13.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

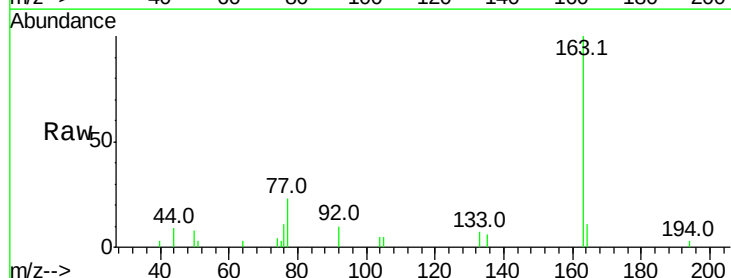
Tgt Ion:163 Resp: 14726

Ion Ratio Lower Upper

163 100

194 3.0 3.4 5.2#

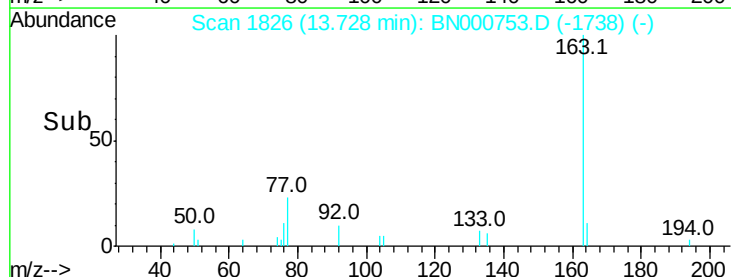
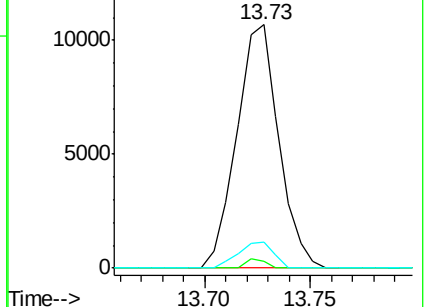
164 10.6 8.2 12.4

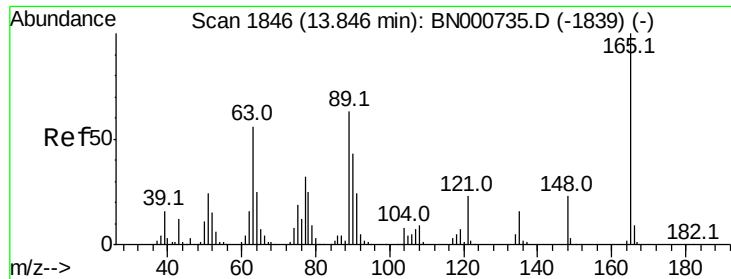


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

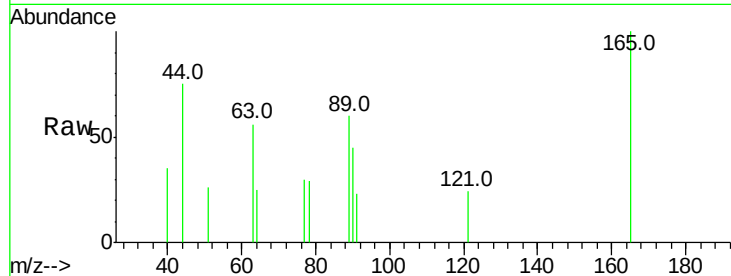




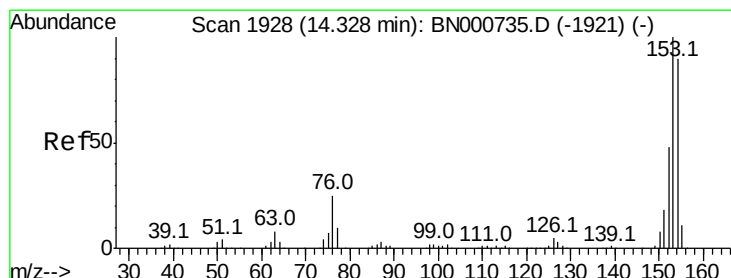
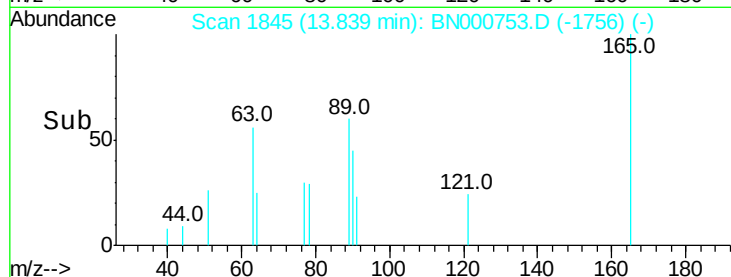
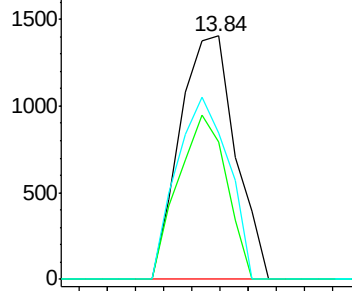
#50  
2,6-Dinitrotoluene  
Concen: 0.481 ng  
RT: 13.84 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:165 Resp: 1914  
Ion Ratio Lower Upper  
165 100  
63 56.3 52.7 79.1  
89 60.1 49.2 73.8

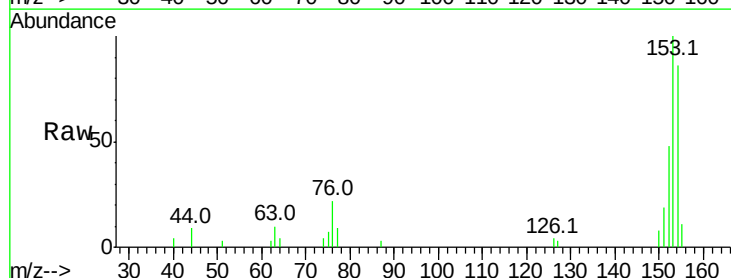


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 89.00 (88.70 to 89.70): BNC

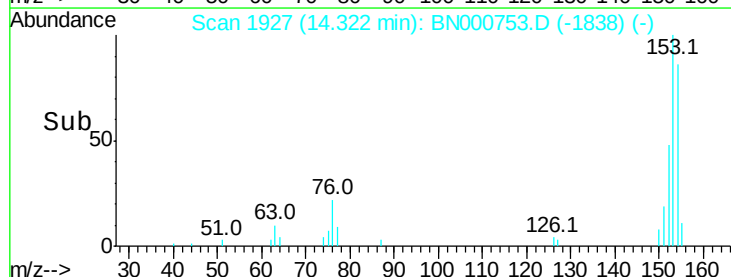
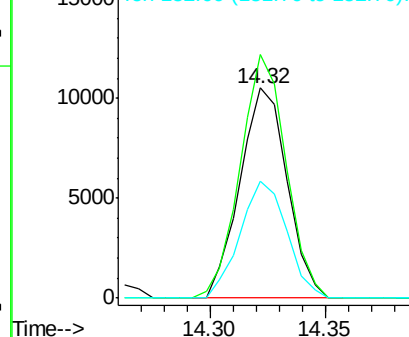


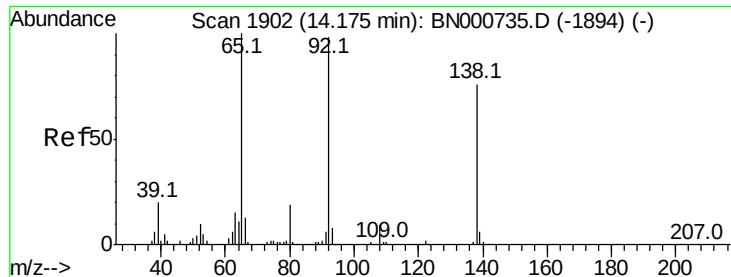
#51  
Acenaphthene  
Concen: 0.980 ng  
RT: 14.32 min Scan# 1927  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:154 Resp: 14960  
Ion Ratio Lower Upper  
154 100  
153 115.8 90.4 135.6  
152 55.8 41.6 62.4



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





#52

3-Nitroaniline

Concen: 0.379 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

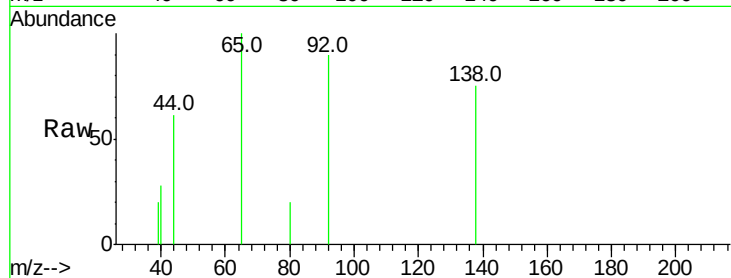
Tot Ion:138 Resp: 1718

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

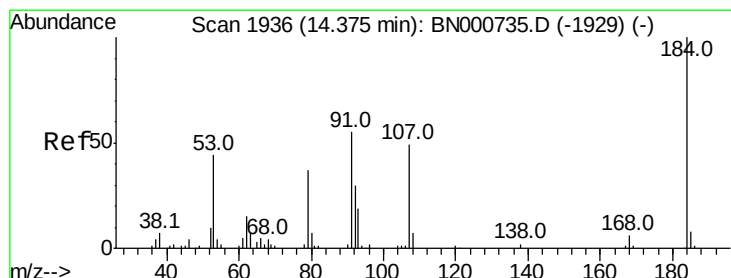
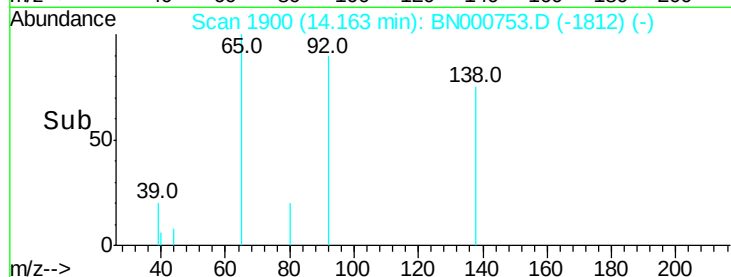
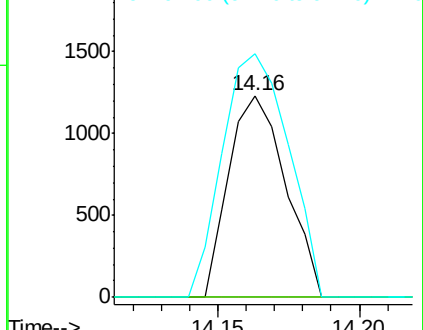
92 120.9 105.8 158.8



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): BNC



#53

2,4-Dinitrophenol

Concen: 5.743 ng

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

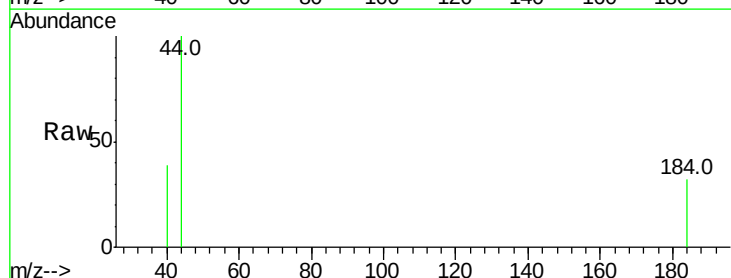
Tgt Ion:184 Resp: 111

Ion Ratio Lower Upper

184 100

63 0.0 56.0 84.0#

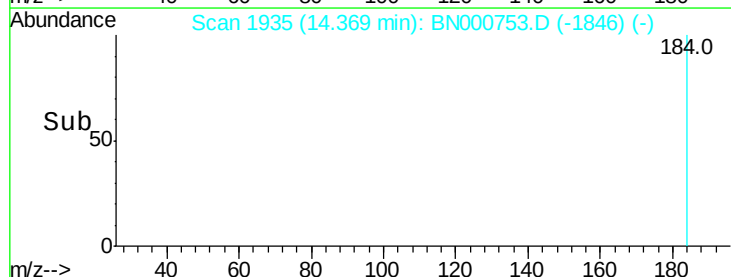
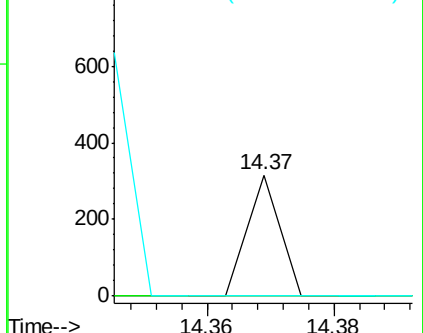
154 0.0 48.0 72.0#

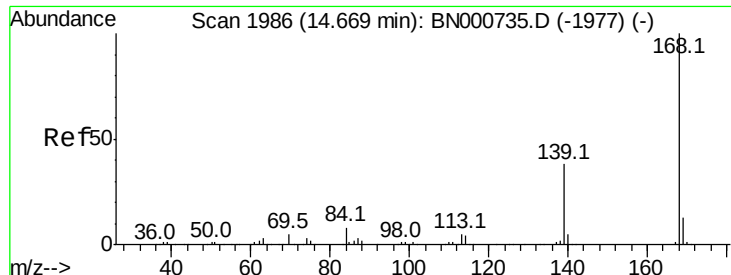


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 0.993 ng

RT: 14.66 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

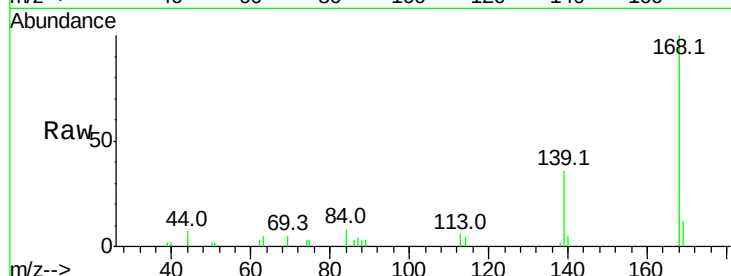
Tot Ion:168 Resp: 22053

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

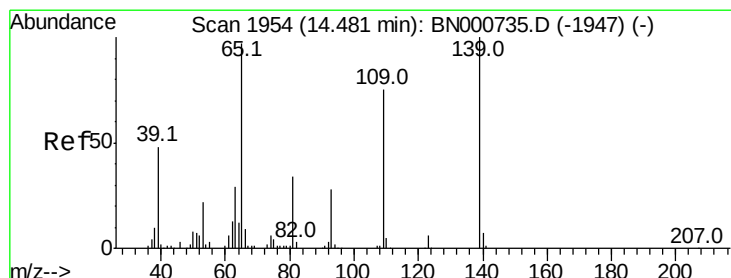
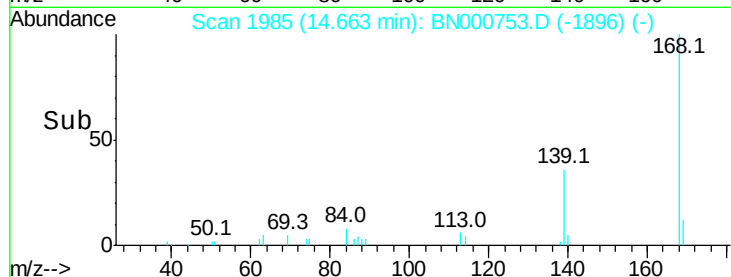
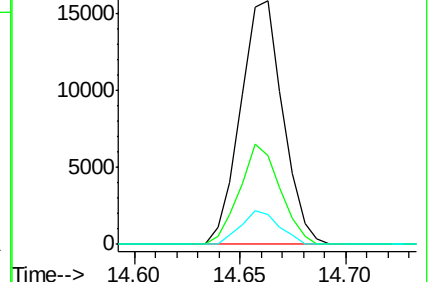
169 12.5 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.187 ng

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

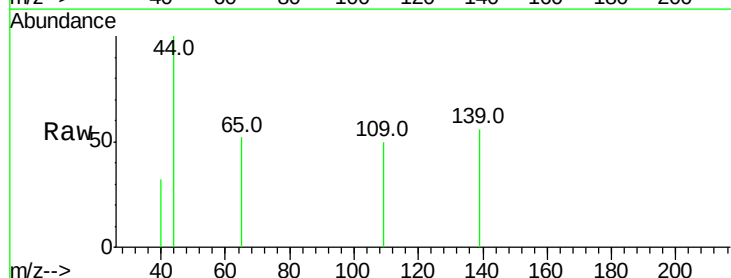
Tgt Ion:139 Resp: 629

Ion Ratio Lower Upper

139 100

109 88.9 62.2 102.2

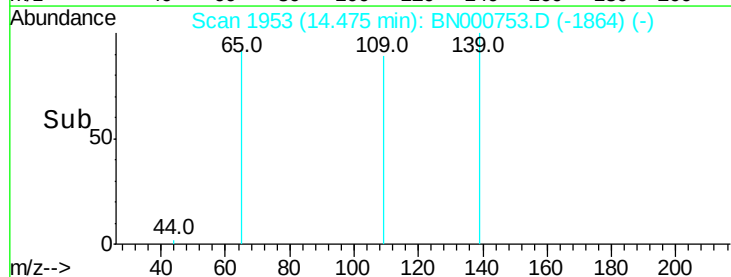
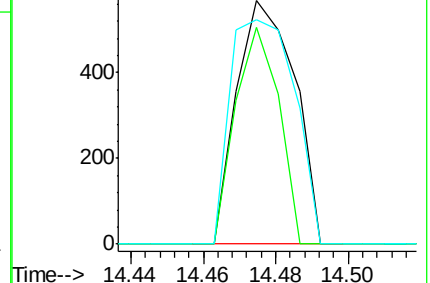
65 92.3 97.2 137.2#

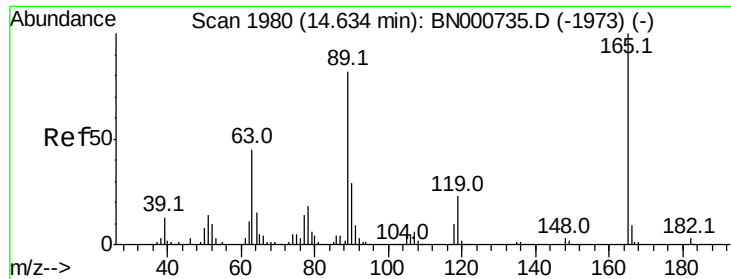


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

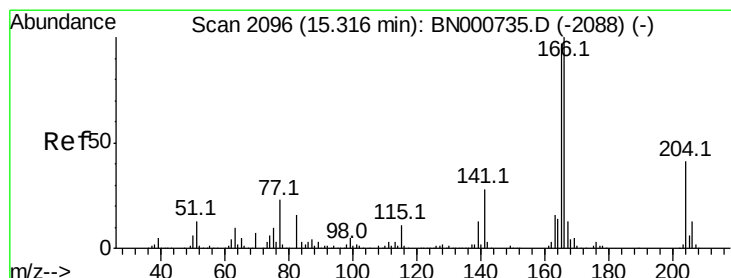
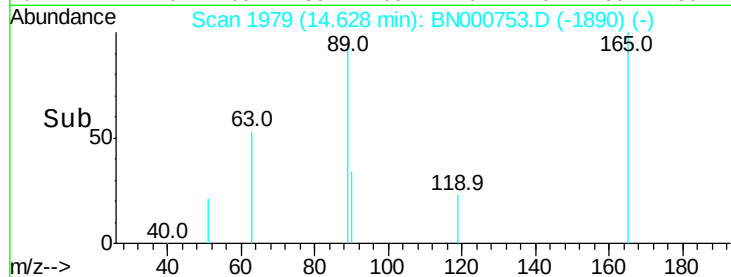
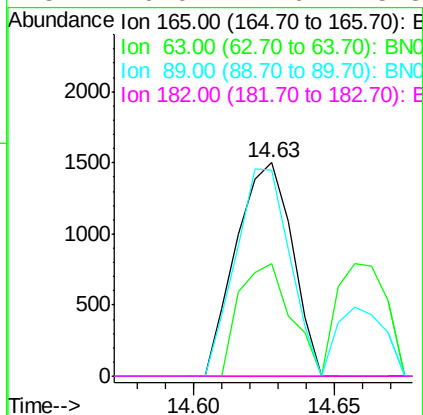
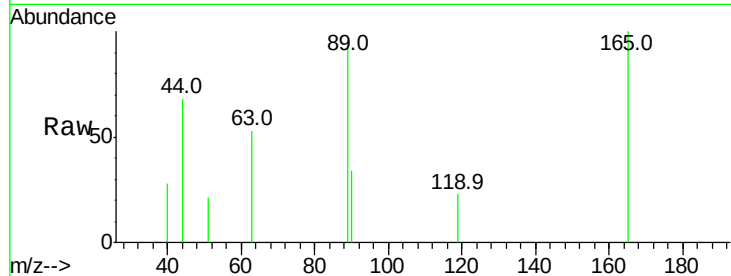




#56  
 2,4-Dinitrotoluene  
 Concen: 0.397 ng  
 RT: 14.63 min Scan# 1979  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

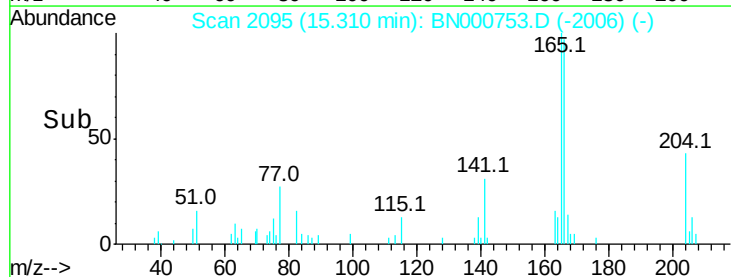
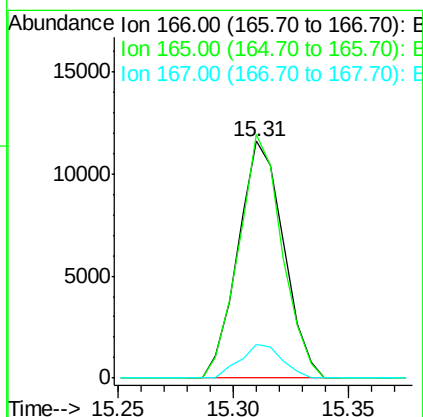
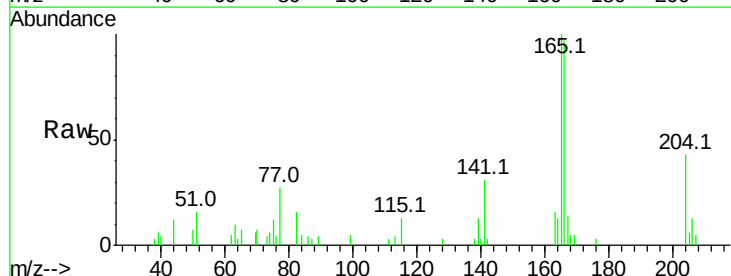
Instrument :  
 BNA\_N  
 ClientSampleId :

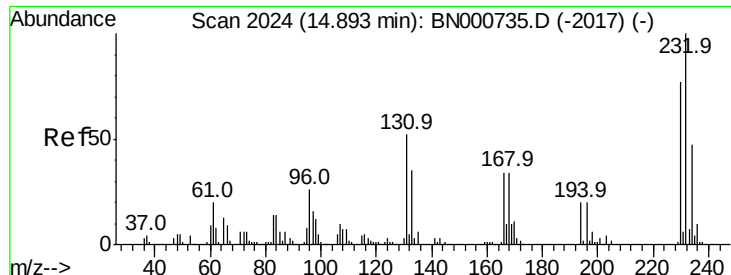
|             |       |       |  |
|-------------|-------|-------|--|
| Tot Ion:165 | Resp: | 2068  |  |
| Ion Ratio   | Lower | Upper |  |
| 165 100     |       |       |  |
| 63 53.0     | 42.0  | 63.0  |  |
| 89 96.4     | 66.9  | 100.3 |  |
| 182 0.0     | 2.6   | 3.8#  |  |



#57  
 Fluorene  
 Concen: 0.908 ng  
 RT: 15.31 min Scan# 2095  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

|             |       |       |  |
|-------------|-------|-------|--|
| Tgt Ion:166 | Resp: | 15939 |  |
| Ion Ratio   | Lower | Upper |  |
| 166 100     |       |       |  |
| 165 102.7   | 80.6  | 121.0 |  |
| 167 14.4    | 10.4  | 15.6  |  |

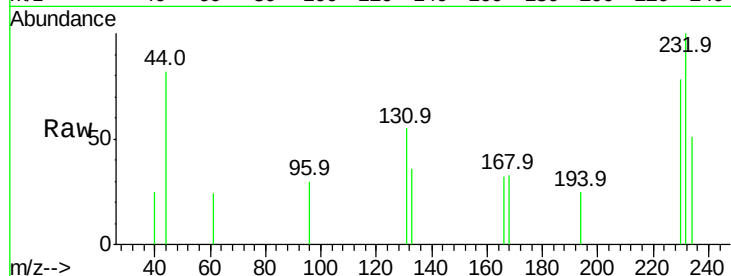




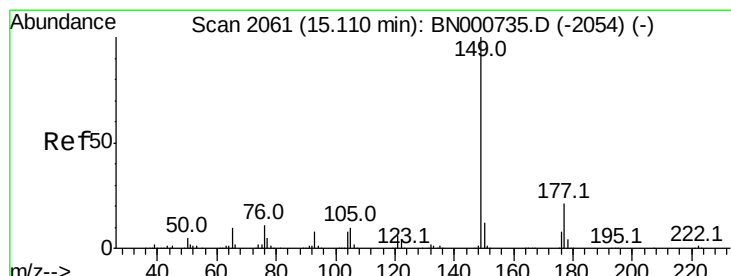
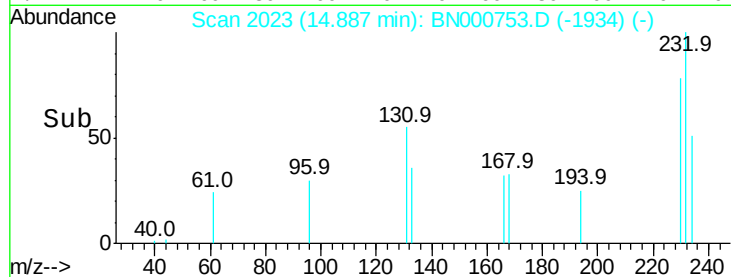
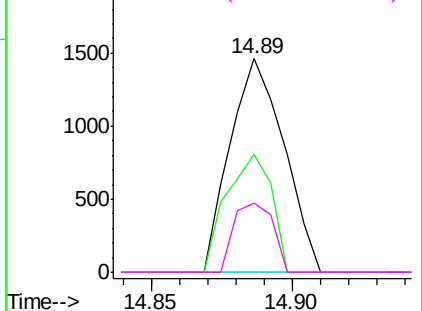
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 0.491 ng  
 RT: 14.89 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:232 Resp: 1931  
 Ion Ratio Lower Upper  
 232 100  
 131 46.4 33.5 50.3  
 130 0.0 2.2 3.2#  
 166 0.0 24.8 37.2#

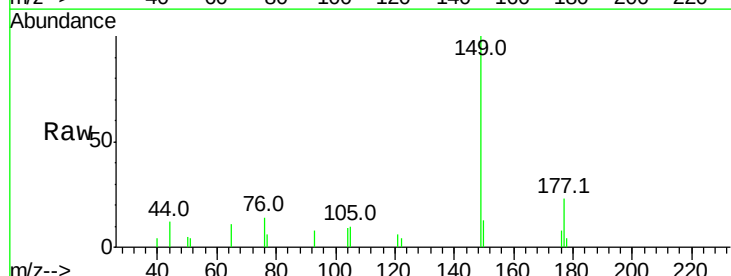


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

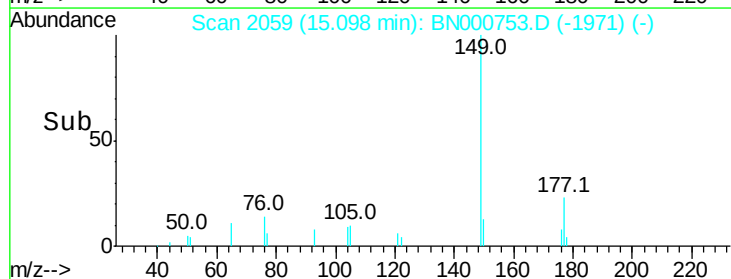
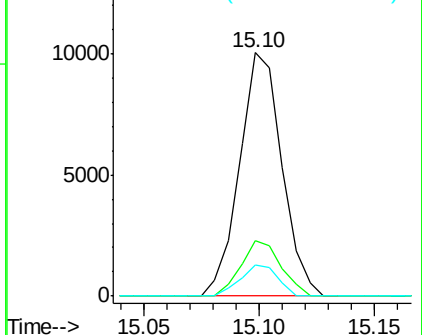


#59  
 Diethylphthalate  
 Concen: 0.688 ng  
 RT: 15.10 min Scan# 2059  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

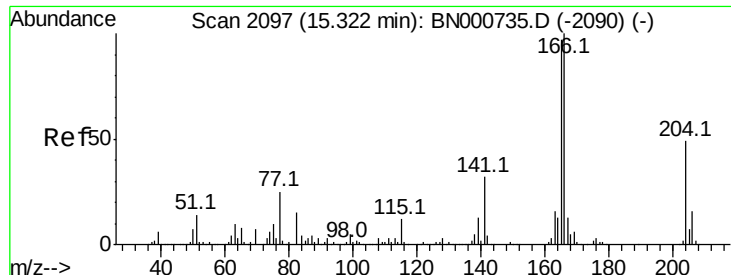
Tgt Ion:149 Resp: 12818  
 Ion Ratio Lower Upper  
 149 100  
 177 22.8 18.5 27.7  
 150 12.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E



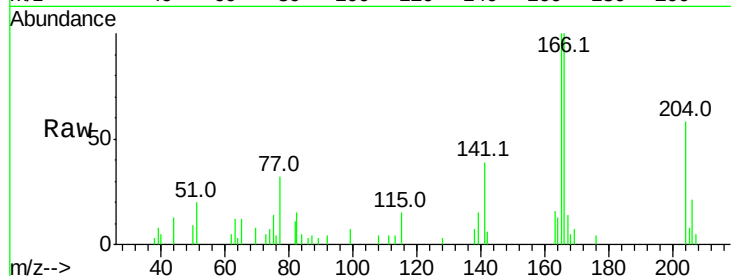




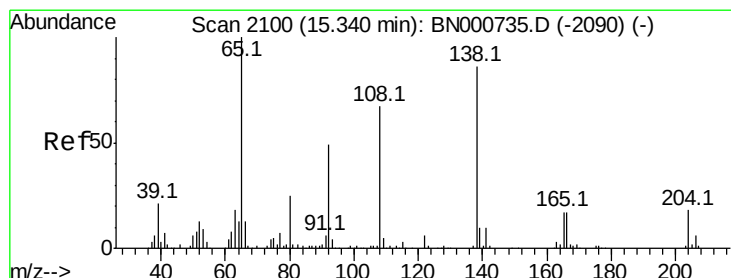
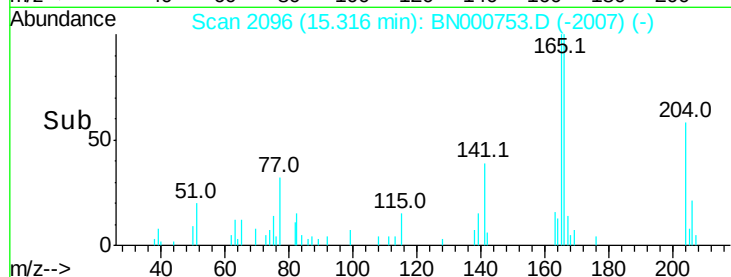
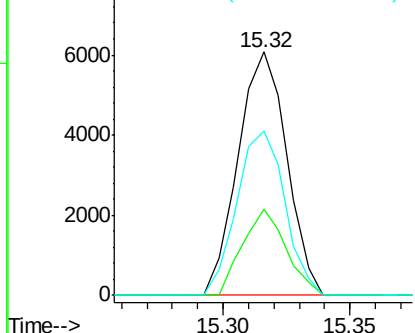
#60  
4-Chlorophenyl-phenylether  
Concen: 0.985 ng  
RT: 15.32 min Scan# 2096  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:204 Resp: 8081  
Ion Ratio Lower Upper  
204 100  
206 35.2 26.2 39.2  
141 67.3 45.8 68.6

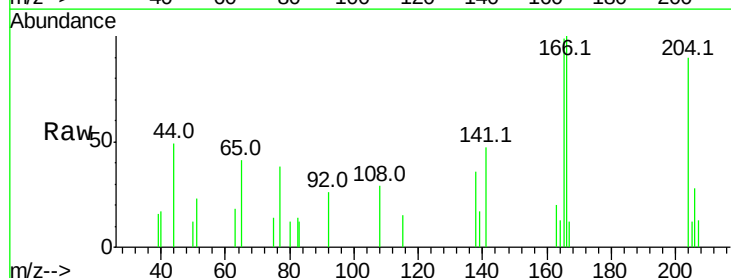


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

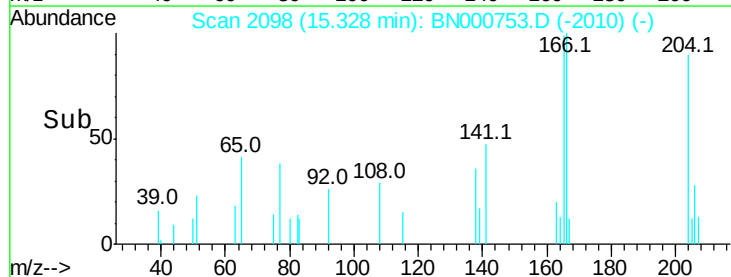
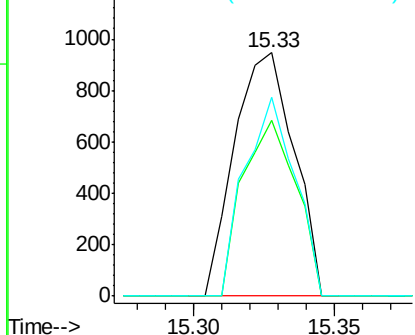


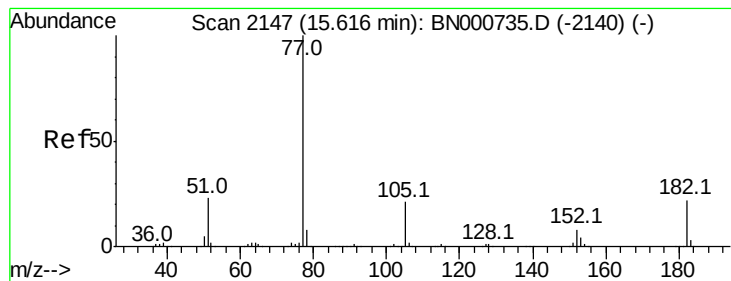
#61  
4-Nitroaniline  
Concen: 0.310 ng  
RT: 15.33 min Scan# 2098  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:138 Resp: 1382  
Ion Ratio Lower Upper  
138 100  
92 72.2 40.1 80.1  
108 81.8 65.4 105.4



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





#62

Azobenzene

Concen: 0.630 ng

RT: 15.61 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

Tot Ion: 77 Resp: 12580

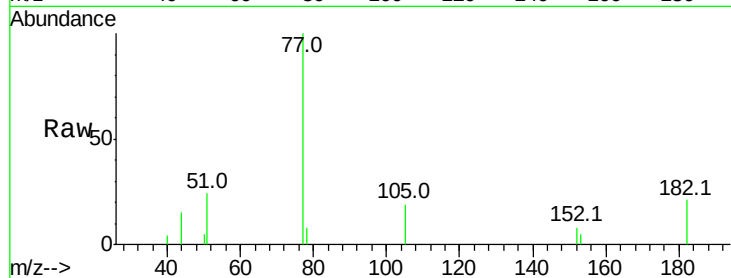
Ion Ratio Lower Upper

77 100

182 21.3 7.4 47.4

105 18.8 0.3 40.3

51 23.7 11.6 51.6

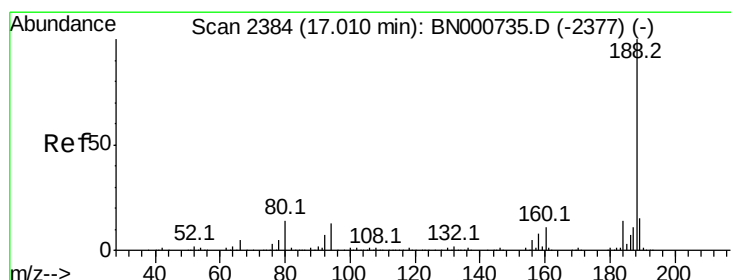
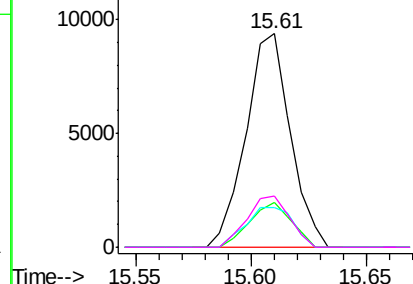
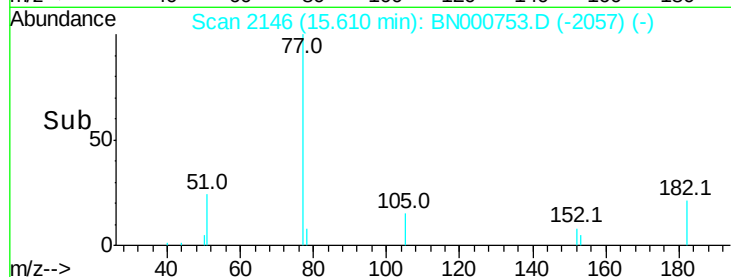


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

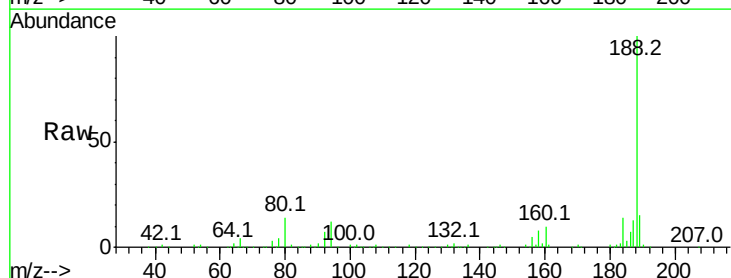
Tgt Ion: 188 Resp: 473750

Ion Ratio Lower Upper

188 100

94 11.8 6.9 10.3#

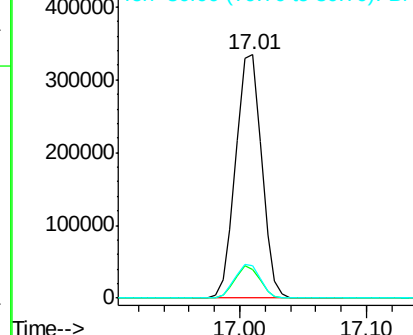
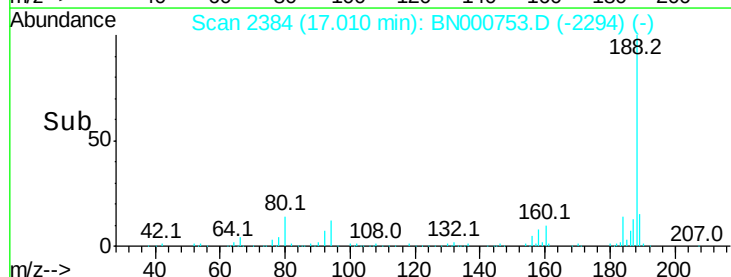
80 13.5 7.7 11.5#

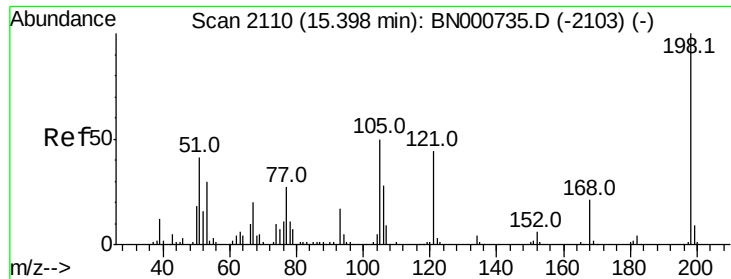


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#64

4,6-Dinitro-2-methylphenol

Concen: 0.307 ng

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampled :

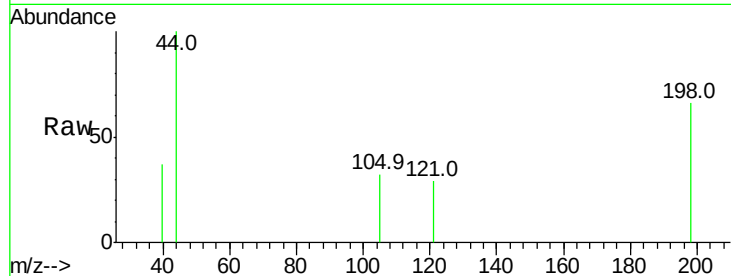
Tot Ion:198 Resp: 897

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

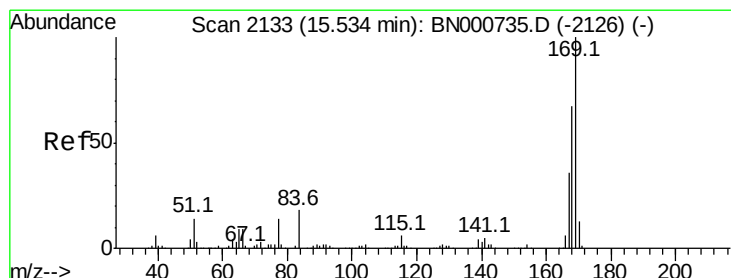
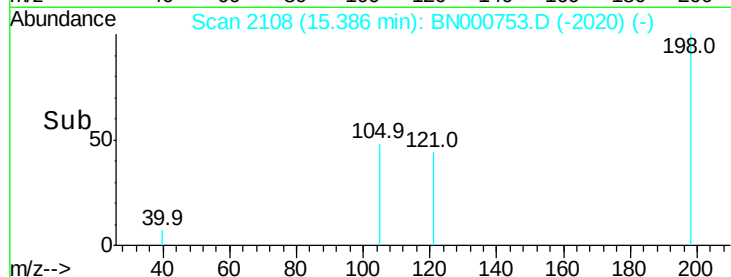
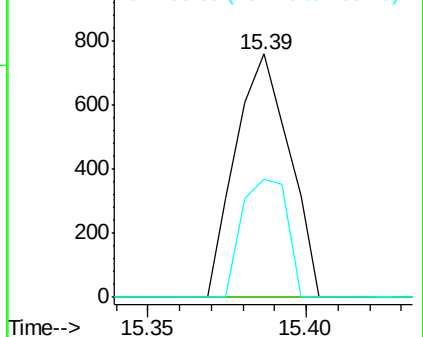
105 48.5 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.698 ng

RT: 15.53 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

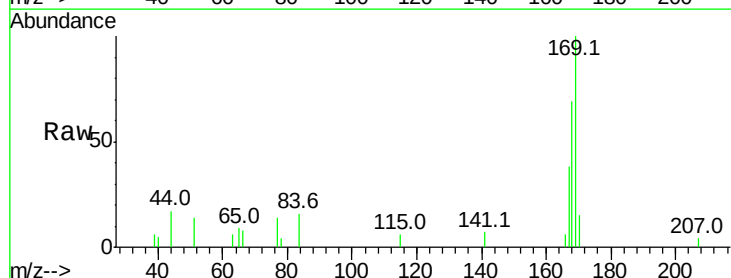
Tgt Ion:169 Resp: 11099

Ion Ratio Lower Upper

169 100

168 69.3 55.7 83.5

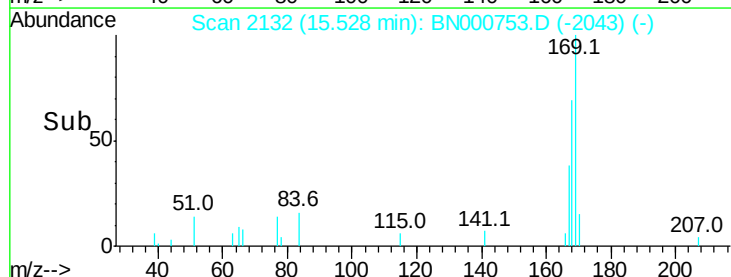
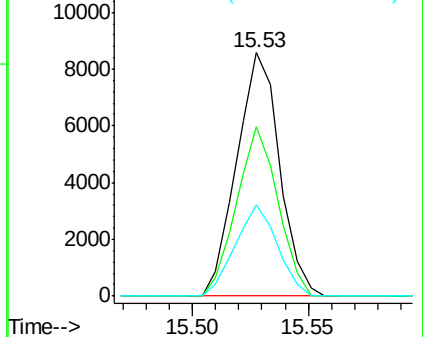
167 37.6 30.1 45.1

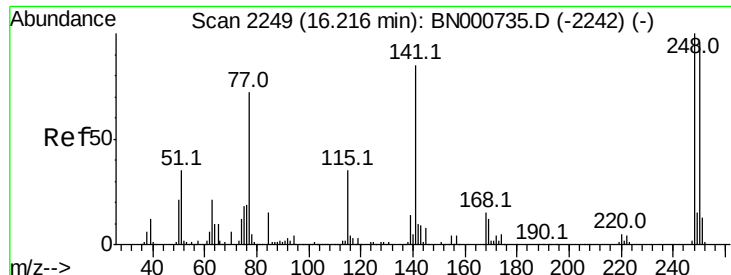


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

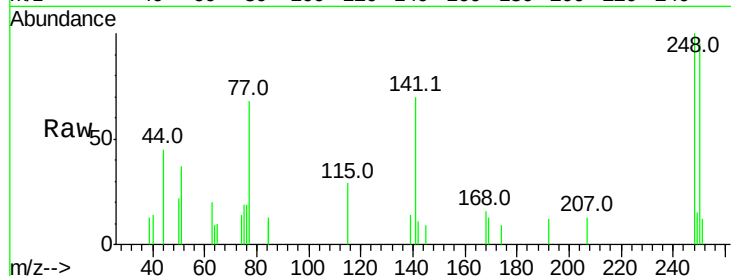




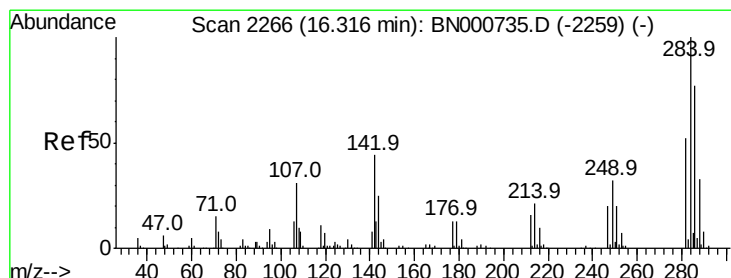
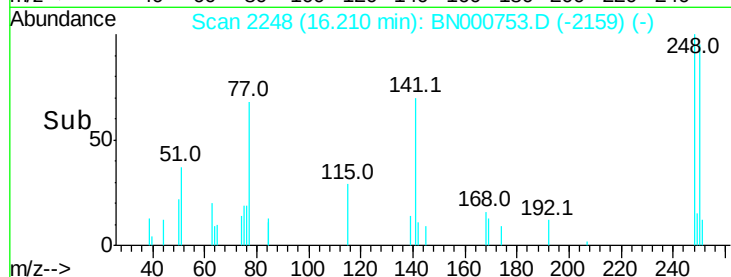
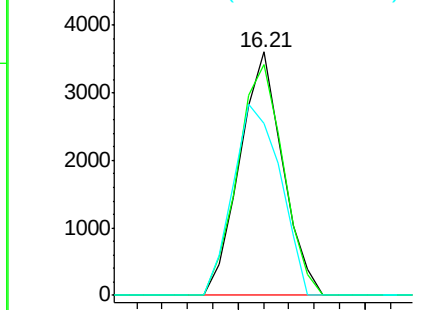
#66  
 4-Bromophenyl-phenylether  
 Concen: 0.888 ng  
 RT: 16.21 min Scan# 2248  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:248 Resp: 4273  
 Ion Ratio Lower Upper  
 248 100  
 250 94.8 77.1 115.7  
 141 70.4 50.8 76.2

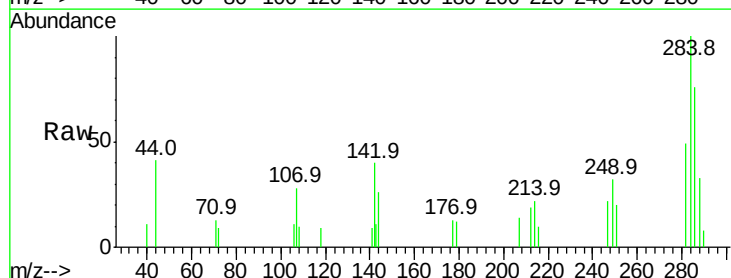


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

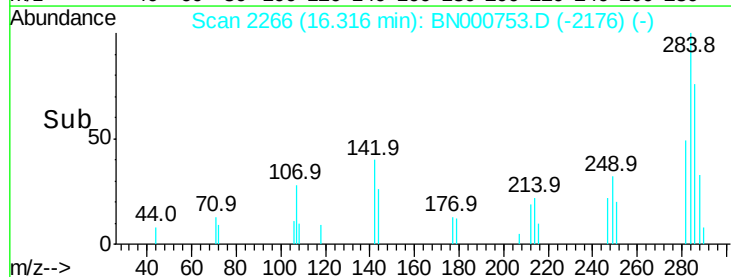
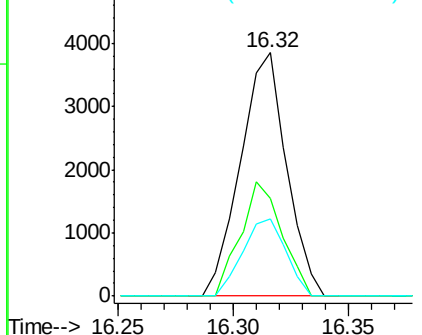


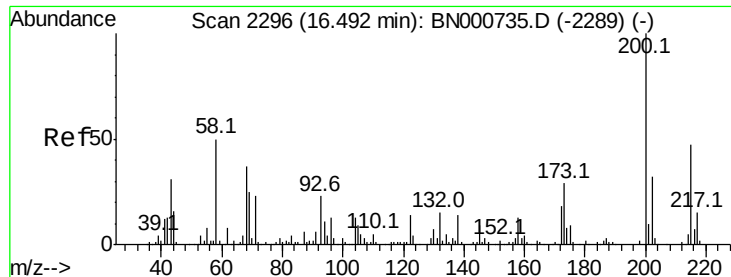
#67  
 Hexachlorobenzene  
 Concen: 0.962 ng  
 RT: 16.32 min Scan# 2266  
 Delta R.T. -0.00 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:284 Resp: 5359  
 Ion Ratio Lower Upper  
 284 100  
 142 40.2 26.8 40.2#  
 249 31.6 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E

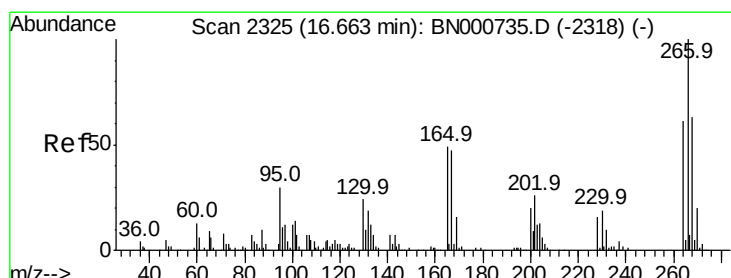
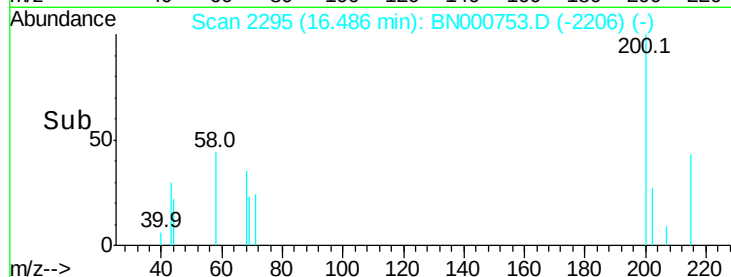
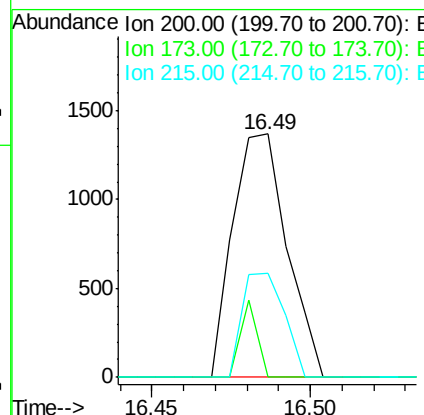
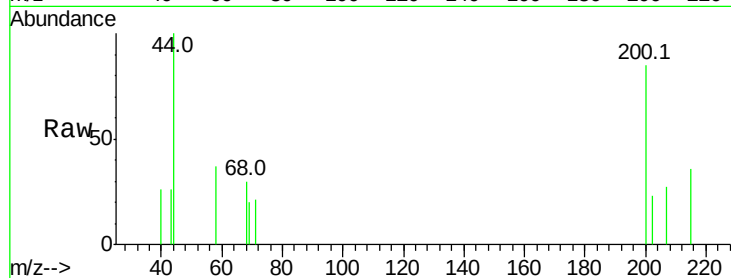




#68  
 Atrazine  
 Concen: 0.375 ng  
 RT: 16.49 min Scan# 2295  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

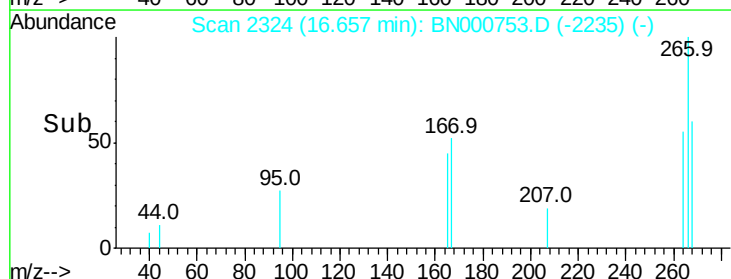
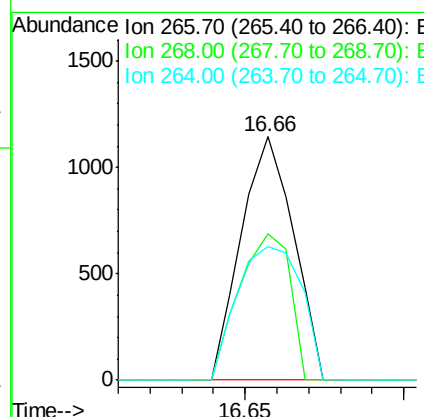
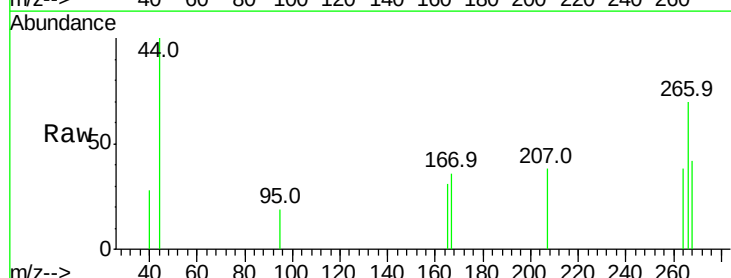
Instrument :  
 BNA\_N  
 ClientSampleId :

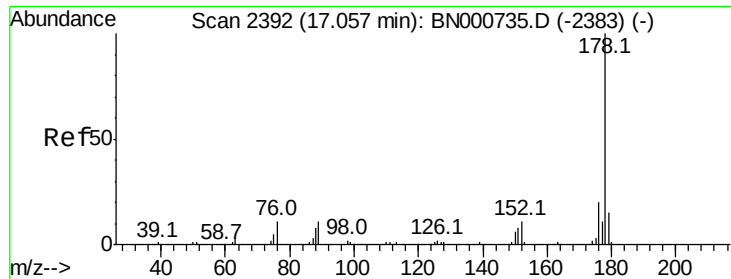
Tot Ion:200 Resp: 1618  
 Ion Ratio Lower Upper  
 200 100  
 173 0.0 5.2 45.2#  
 215 42.8 30.4 70.4



#69  
 Pentachlorophenol  
 Concen: 0.365 ng  
 RT: 16.66 min Scan# 2324  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

Tgt Ion:266 Resp: 1314  
 Ion Ratio Lower Upper  
 266 100  
 268 60.3 51.1 76.7  
 264 55.0 49.6 74.4





#70

Phenanthrene

Concen: 1.001 ng

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampled :

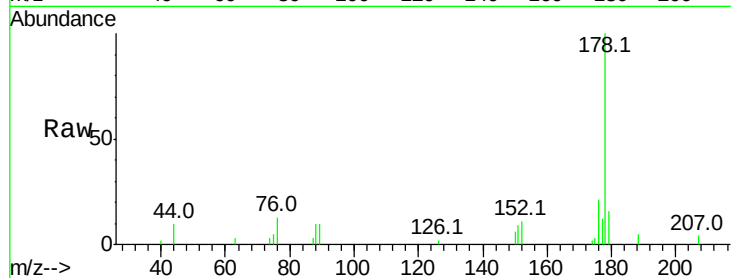
Tot Ion:178 Resp: 27472

Ion Ratio Lower Upper

178 100

176 21.3 15.7 23.5

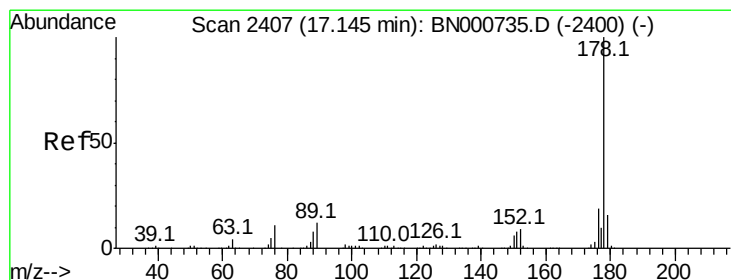
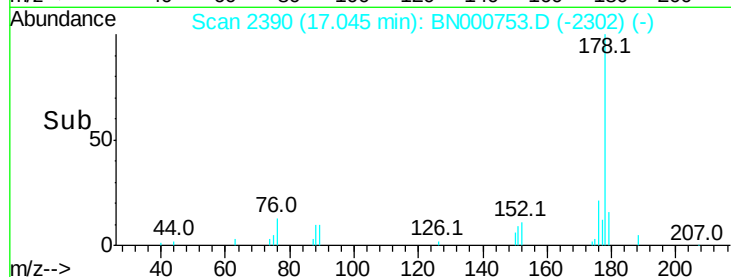
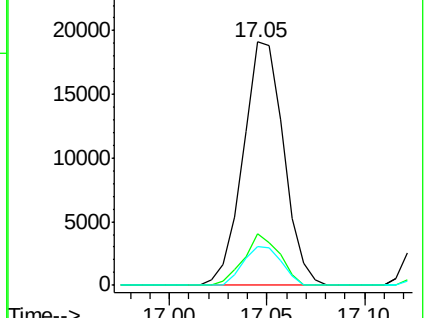
179 15.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.795 ng

RT: 17.14 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

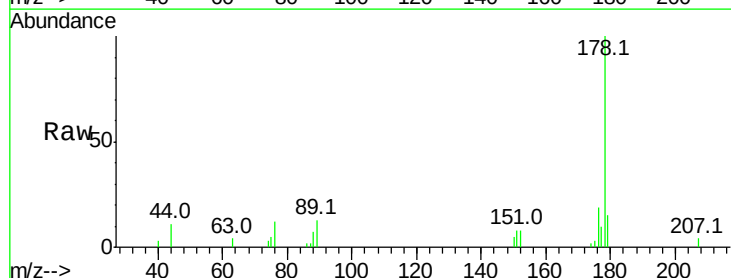
Tgt Ion:178 Resp: 21366

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

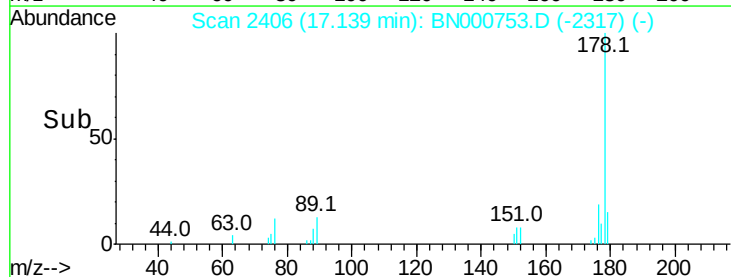
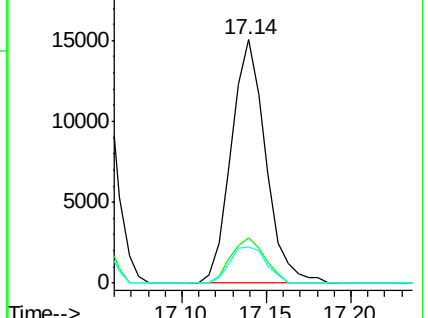
179 15.0 12.5 18.7

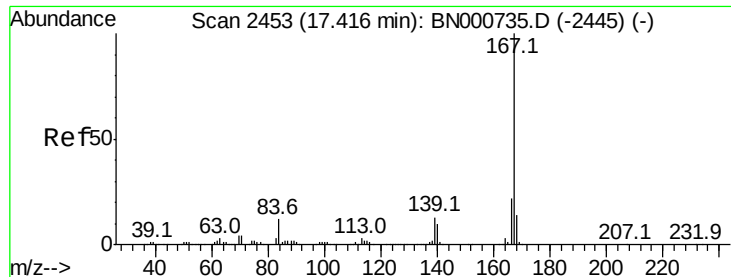


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.683 ng

RT: 17.41 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

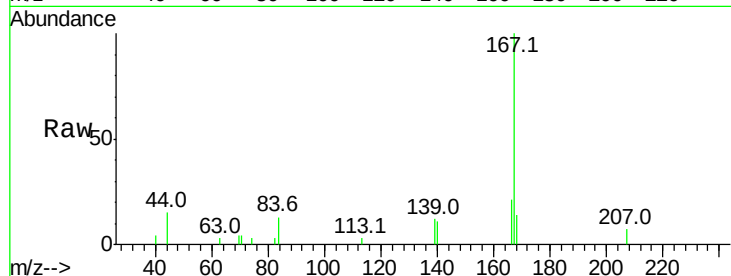
Tot Ion:167 Resp: 17247

Ion Ratio Lower Upper

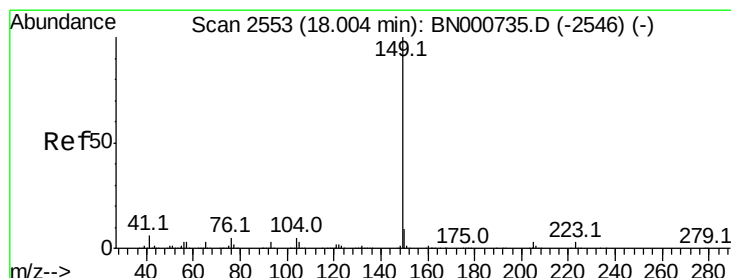
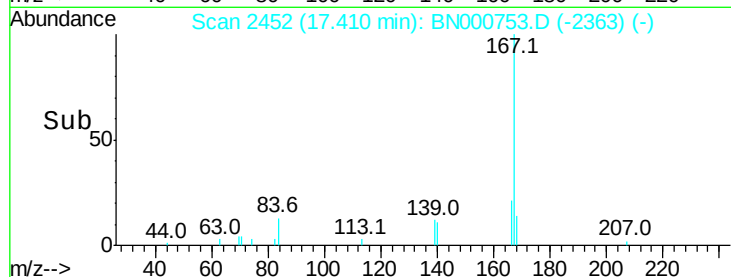
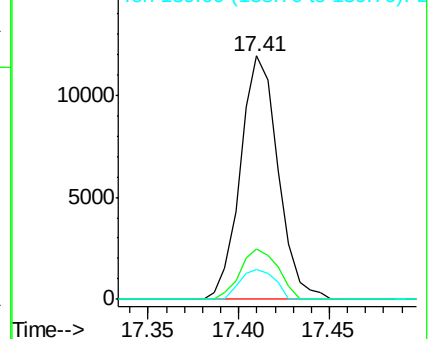
167 100

166 20.6 18.2 27.4

139 12.3 9.4 14.2



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



#73

Di-n-butylphthalate

Concen: 0.488 ng

RT: 18.00 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

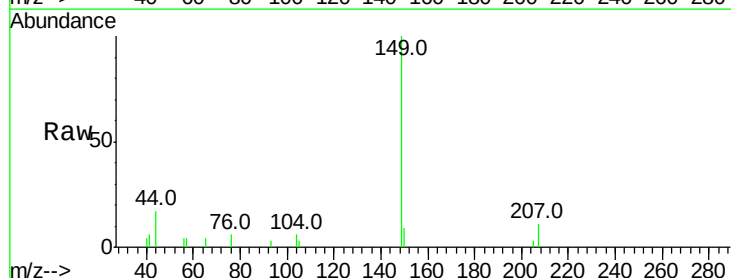
Tgt Ion:149 Resp: 14049

Ion Ratio Lower Upper

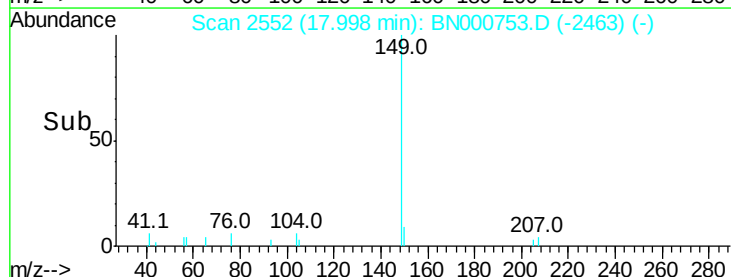
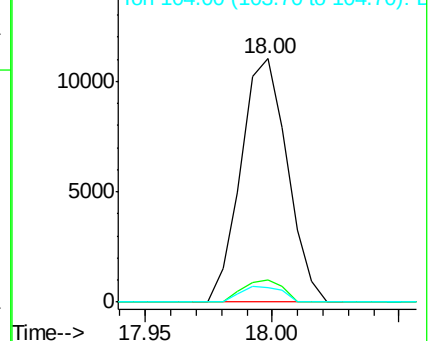
149 100

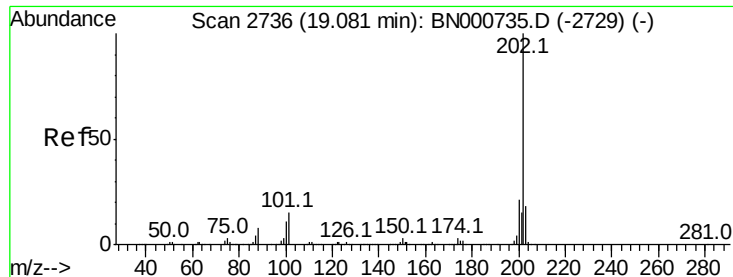
150 8.9 7.8 11.6

104 6.1 3.9 5.9#



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





#74

Fluoranthene

Concen: 0.797 ng

RT: 19.07 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BN000753.D

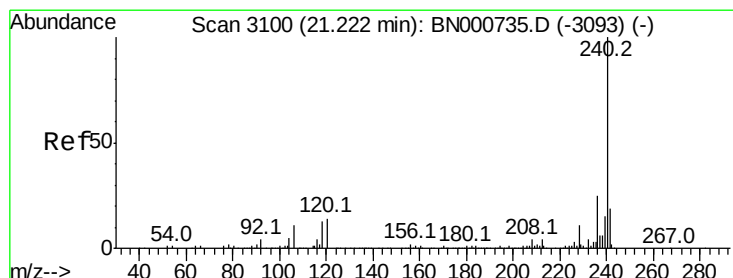
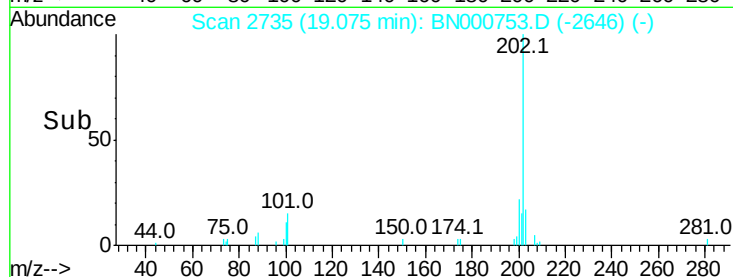
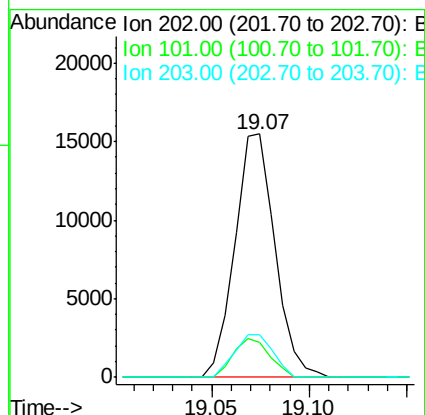
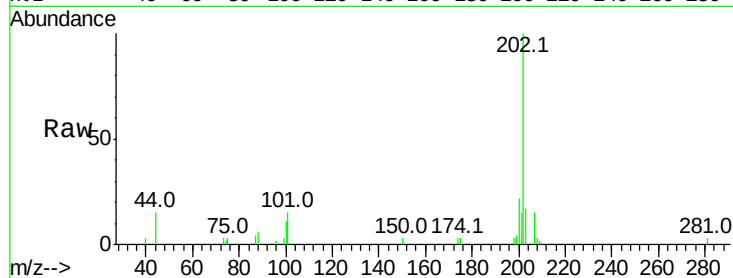
Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 22035 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 14.5  | 0.0   | 28.9  |
| 203      | 17.3  | 0.0   | 37.5  |



#75

Chrysene-d12

Concen: 20.000 ng

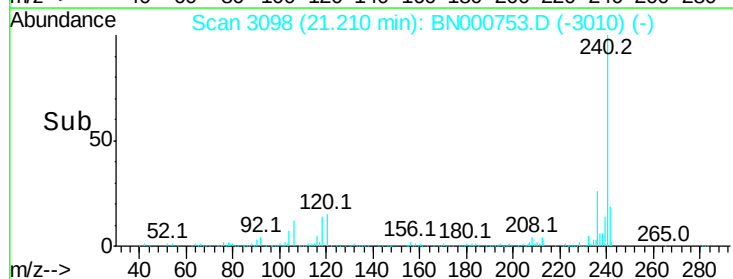
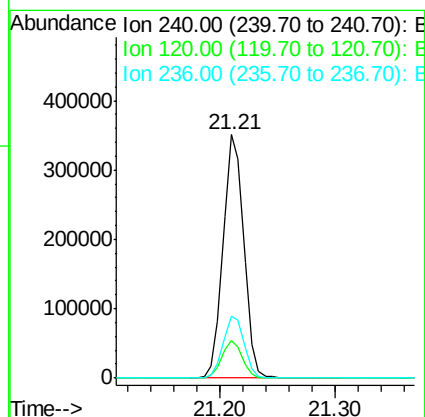
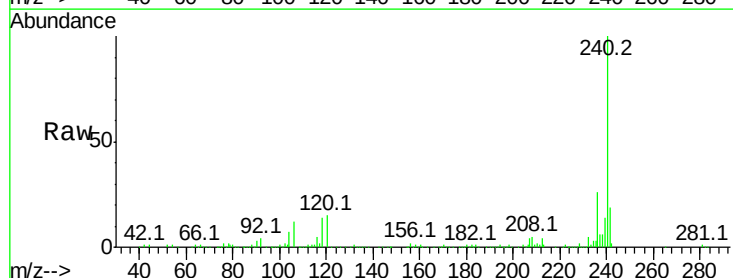
RT: 21.21 min Scan# 3098

Delta R.T. -0.01 min

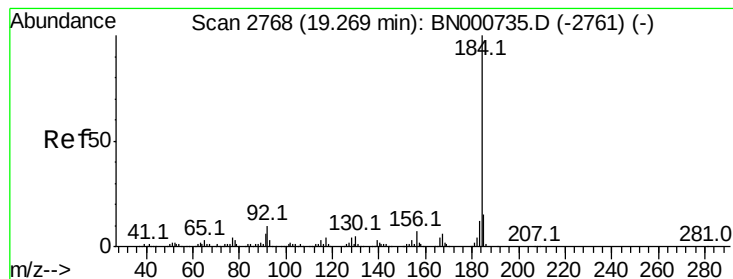
Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 436152 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 15.5  | 6.8   | 10.2#  |
| 236      | 25.6  | 20.9  | 31.3   |







#76

Benzidine

Concen: 0.254 ng

RT: 19.27 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

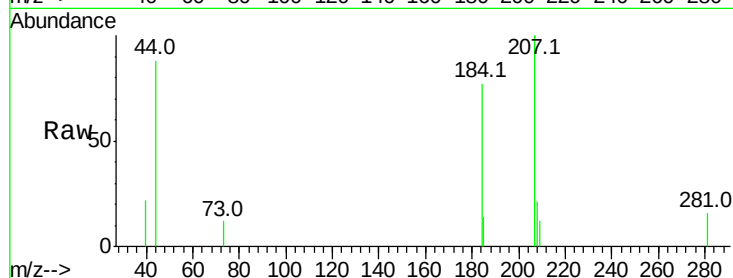
Tot Ion:184 Resp: 2999

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

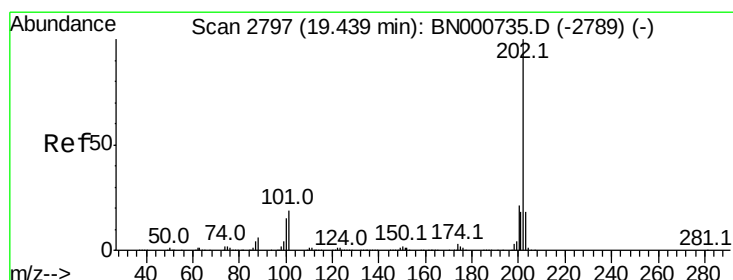
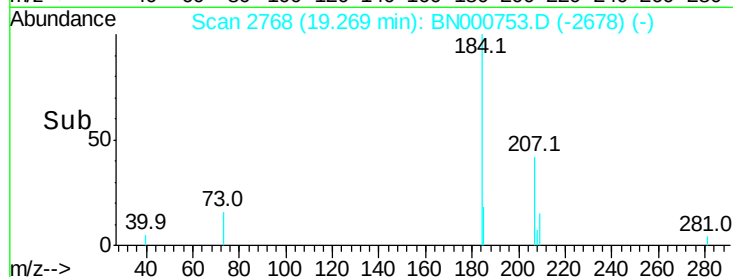
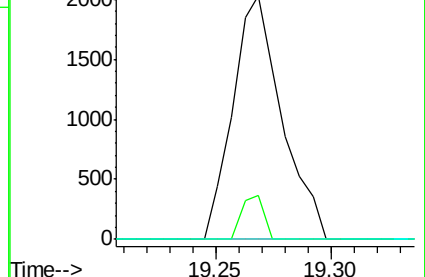
183 0.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.750 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

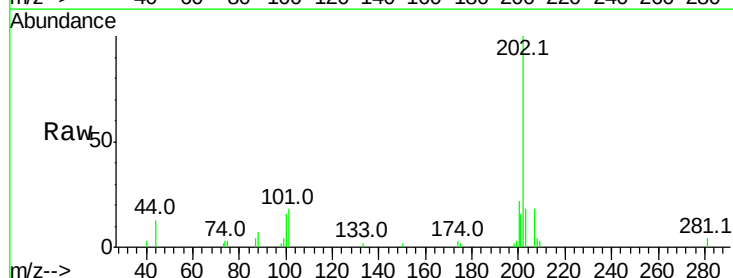
Tgt Ion:202 Resp: 23552

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

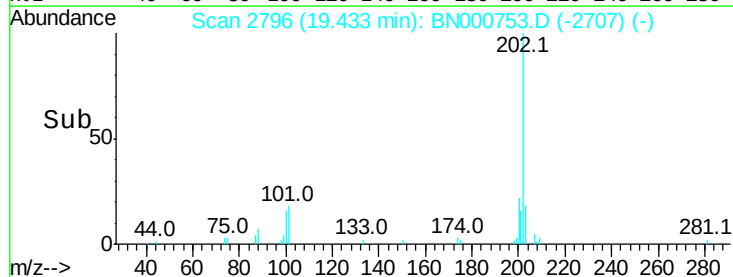
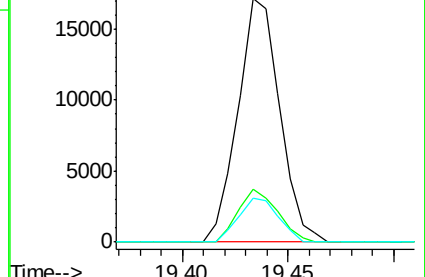
203 17.9 13.9 20.9

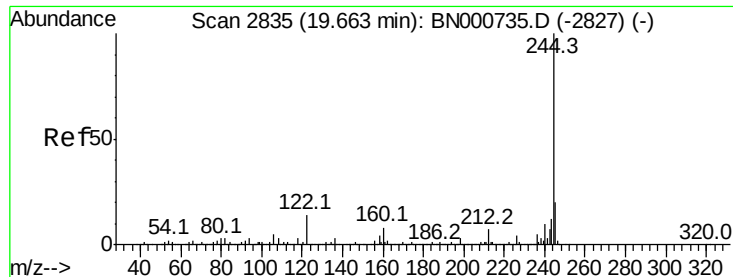


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.227 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampleId :

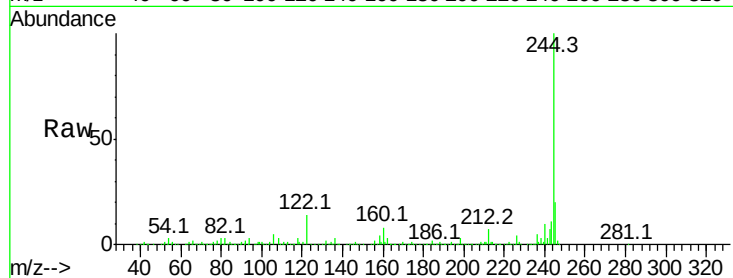
Tot Ion:244 Resp: 1683542

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

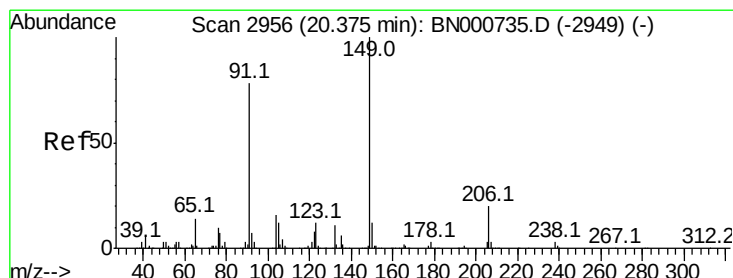
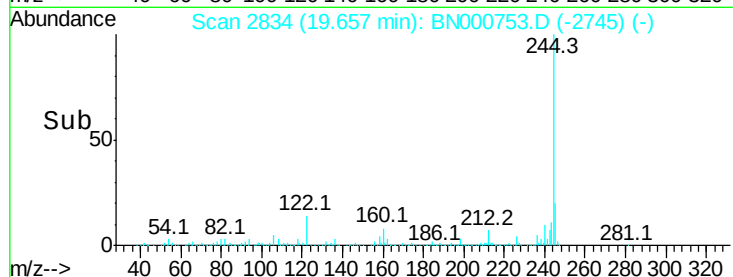
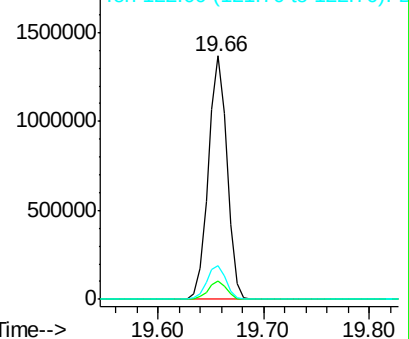
122 14.1 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.350 ng

RT: 20.36 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

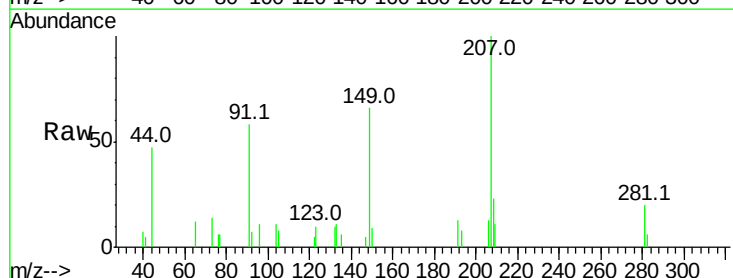
Tgt Ion:149 Resp: 4638

Ion Ratio Lower Upper

149 100

91 88.9 62.2 93.2

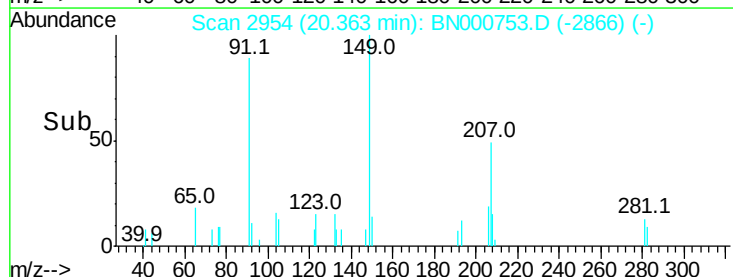
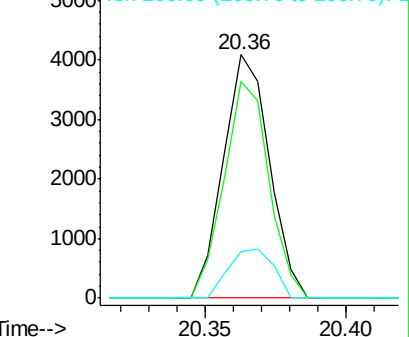
206 19.3 18.6 27.8

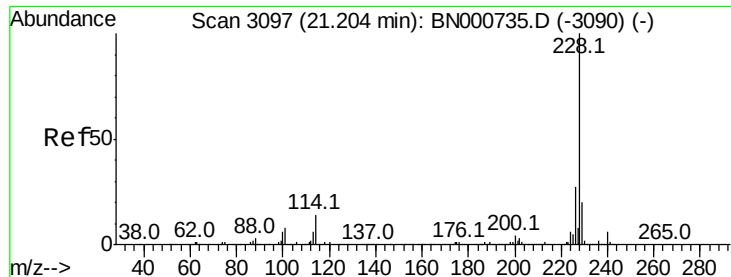


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BN0

Ion 206.00 (205.70 to 206.70): E

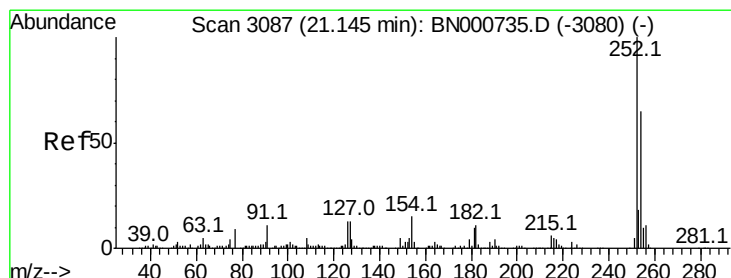
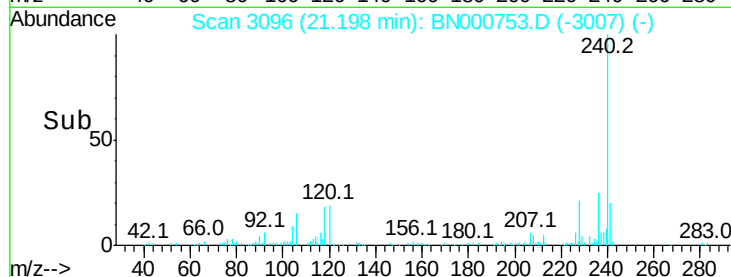
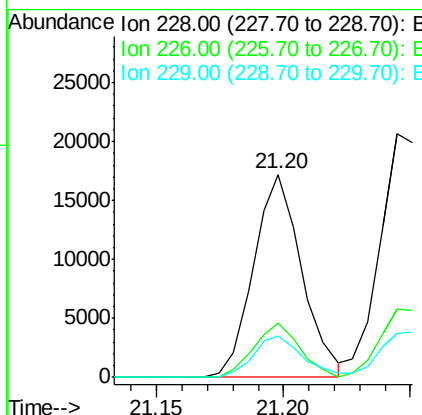
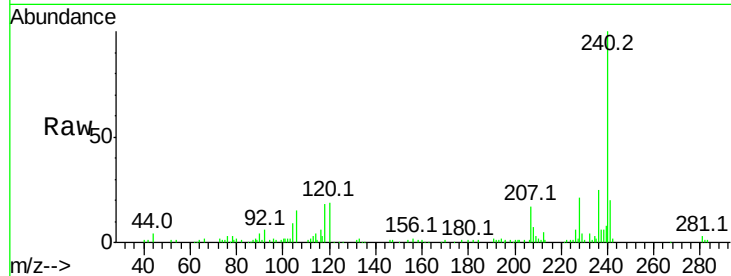




#80  
Benzo(a)anthracene  
Concen: 0.831 ng  
RT: 21.20 min Scan# 3096  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

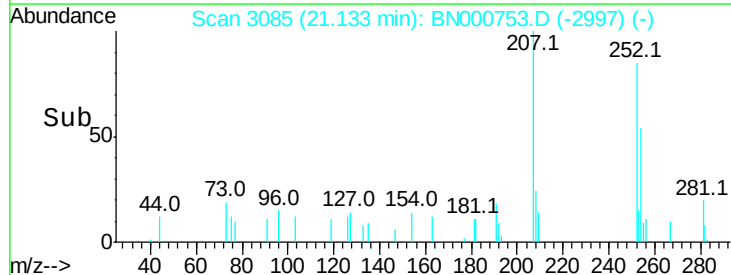
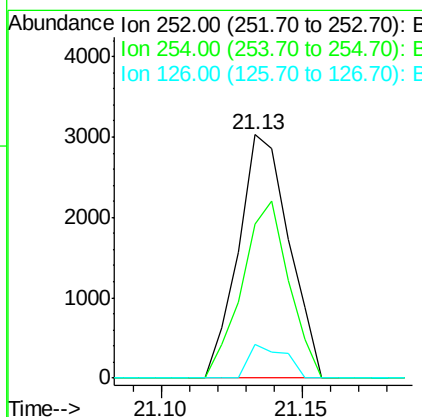
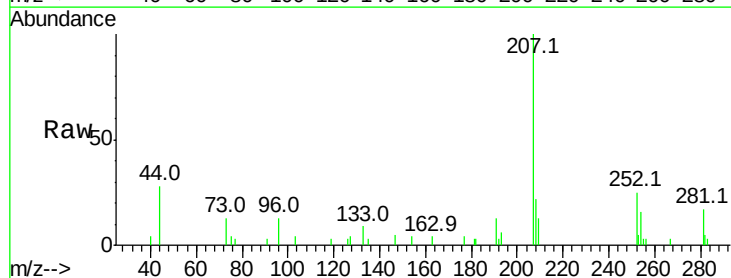
Instrument :  
BNA\_N  
ClientSampleId :

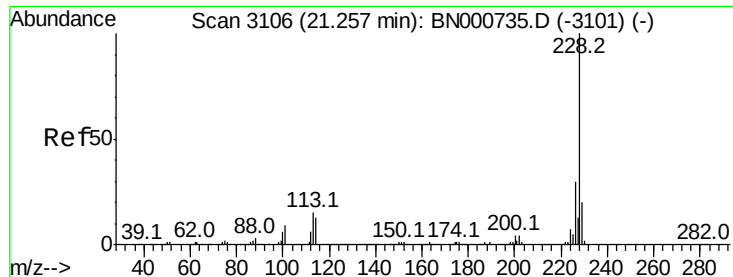
Tot Ion:228 Resp: 22838  
Ion Ratio Lower Upper  
228 100  
226 26.8 22.7 34.1  
229 20.6 16.2 24.2



#81  
3,3'-Dichlorobenzidine  
Concen: 0.437 ng  
RT: 21.13 min Scan# 3085  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:252 Resp: 3778  
Ion Ratio Lower Upper  
252 100  
254 63.3 50.8 76.2  
126 13.7 7.4 11.2#

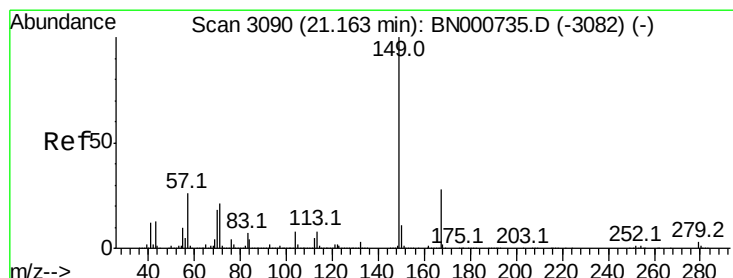
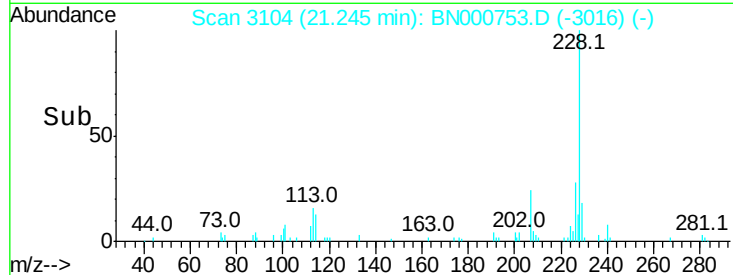
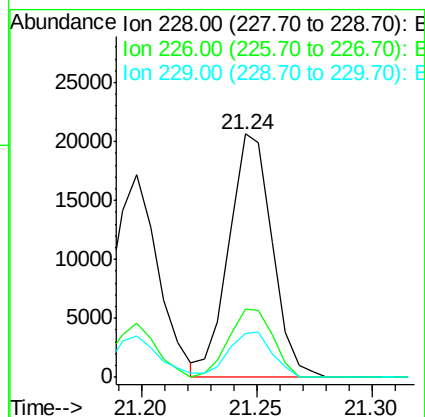
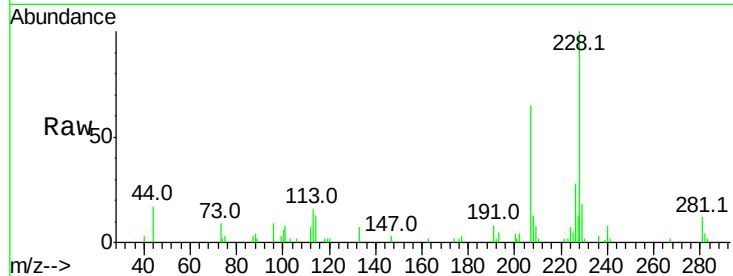




#82  
 Chrysene  
 Concen: 1.012 ng  
 RT: 21.24 min Scan# 3104  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

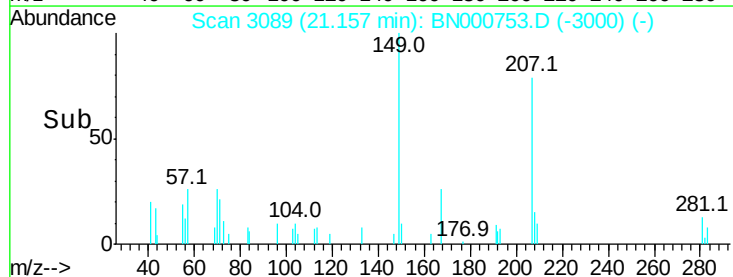
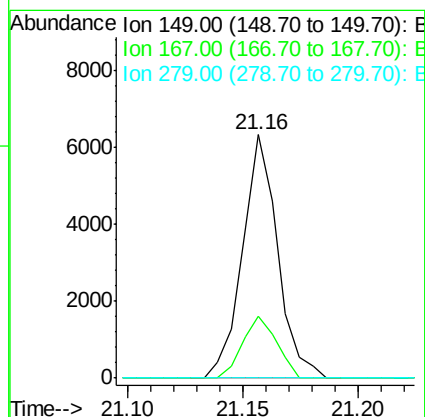
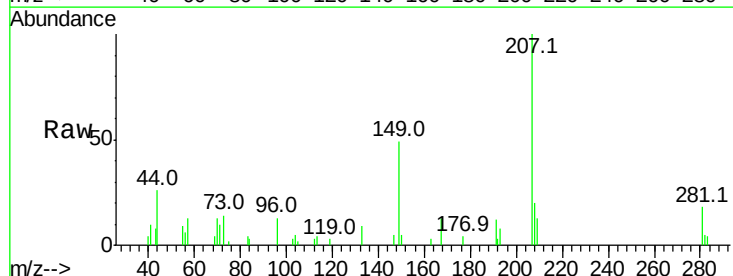
Instrument :  
 BNA\_N  
 ClientSampleId :

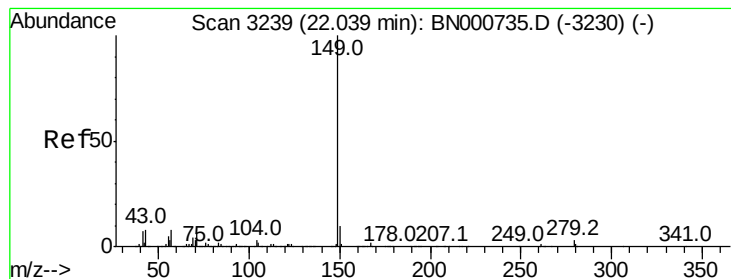
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:228 | Resp: | 26940     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 28.0  | 24.9 37.3 |
| 229         | 18.2  | 15.0 22.4 |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.333 ng  
 RT: 21.16 min Scan# 3089  
 Delta R.T. -0.01 min  
 Lab File: BN000753.D  
 Acq: 18 Apr 2018 23:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 6726      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 25.5  | 24.3 36.5 |
| 279         | 0.0   | 4.0 6.0#  |





#84

Di-n-octyl phthalate

Concen: 0.336 ng

RT: 22.03 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

Instrument :

BNA\_N

ClientSampled :

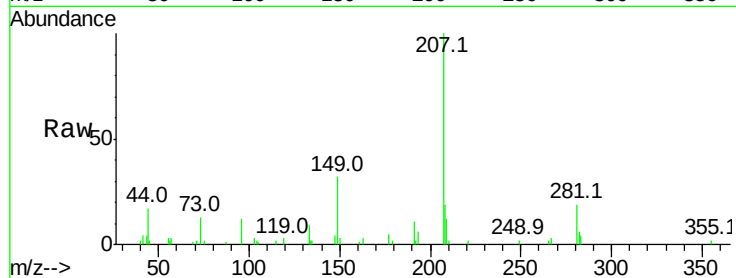
Tot Ion:149 Resp: 9723

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

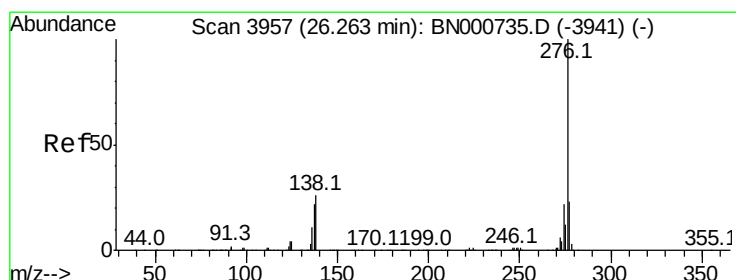
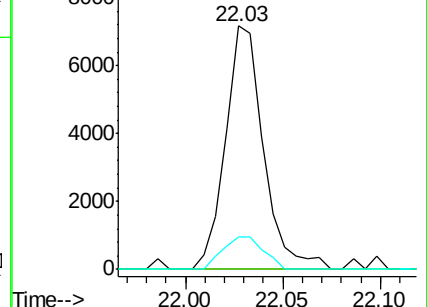
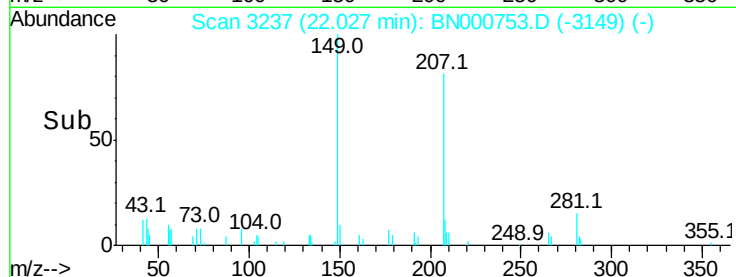
43 14.1 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.834 ng

RT: 26.24 min Scan# 3953

Delta R.T. -0.02 min

Lab File: BN000753.D

Acq: 18 Apr 2018 23:07

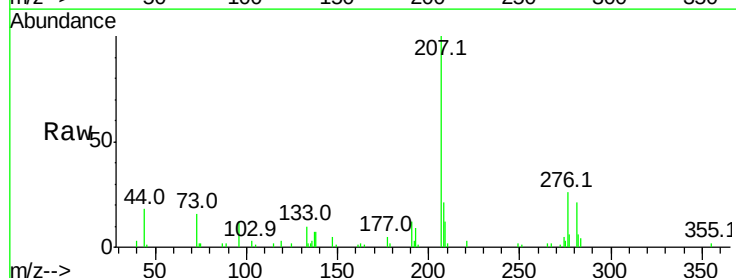
Tgt Ion:276 Resp: 19089

Ion Ratio Lower Upper

276 100

138 28.3 16.0 24.0#

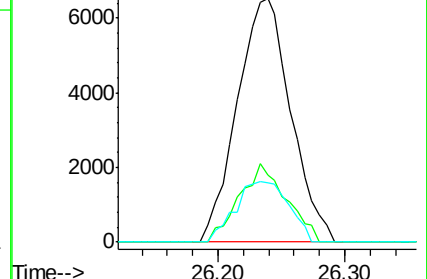
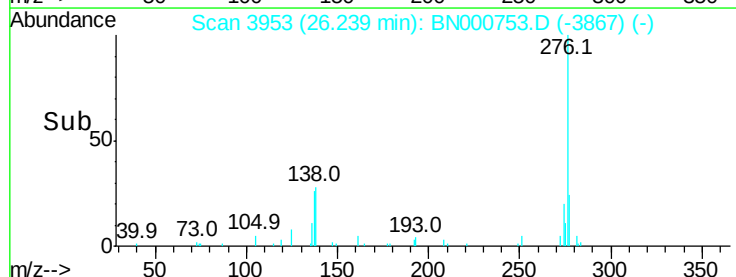
277 24.9 20.0 30.0

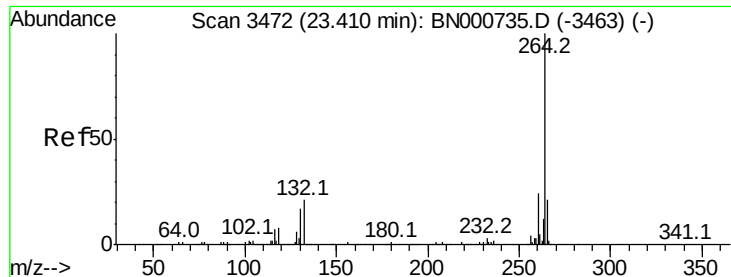


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

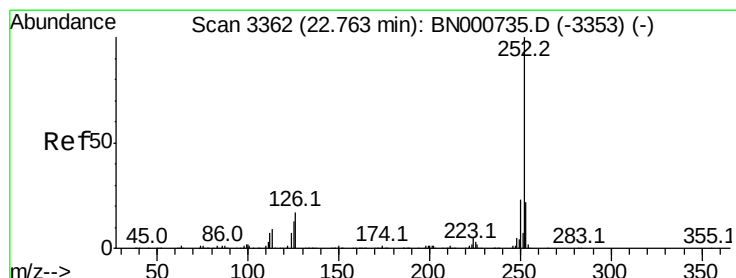
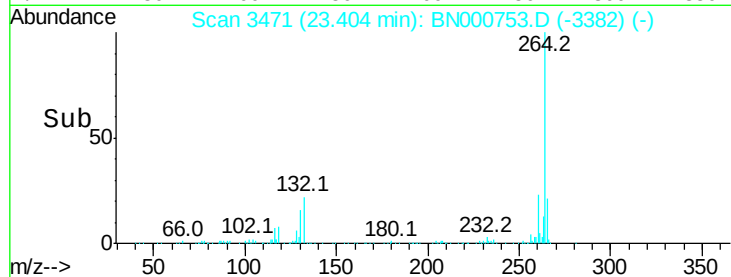
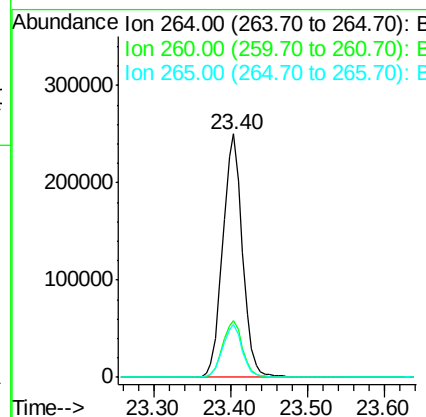
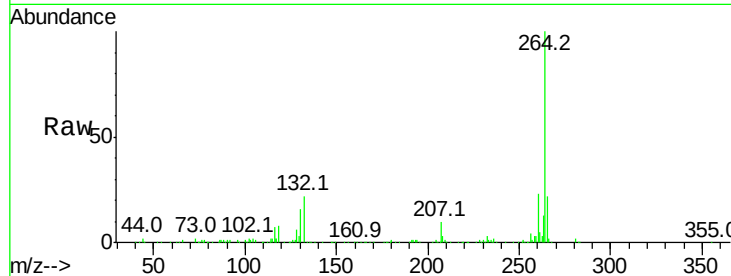




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.40 min Scan# 3471  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

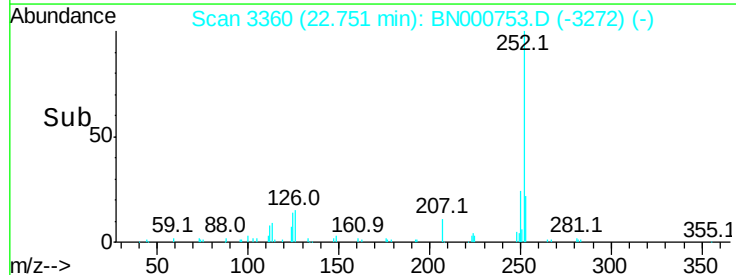
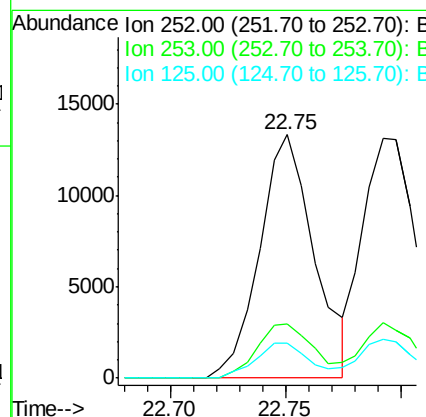
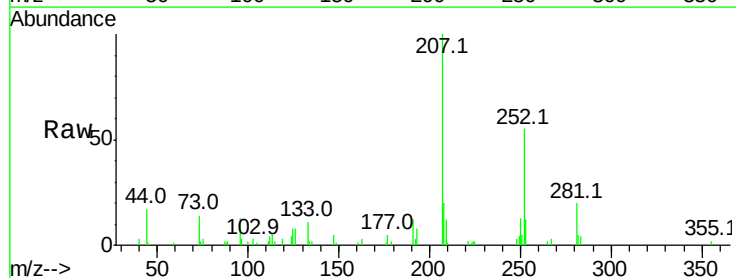
Instrument :  
BNA\_N  
ClientSampleId :

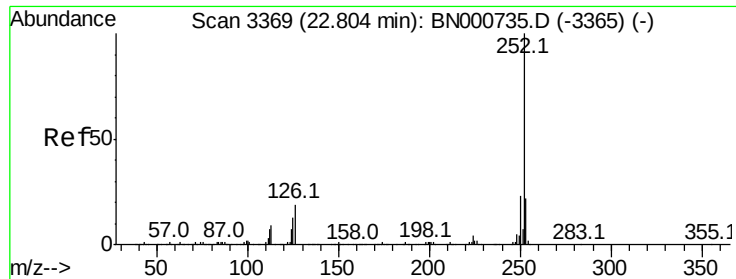
Tot Ion:264 Resp: 442466  
Ion Ratio Lower Upper  
264 100  
260 23.2 17.4 26.0  
265 21.6 17.7 26.5



#87  
Benzo(b)fluoranthene  
Concen: 0.814 ng  
RT: 22.75 min Scan# 3360  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:252 Resp: 21885  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.2 27.4  
125 14.3 7.2 10.8#

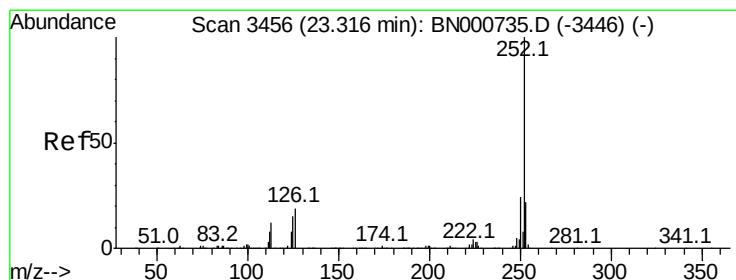
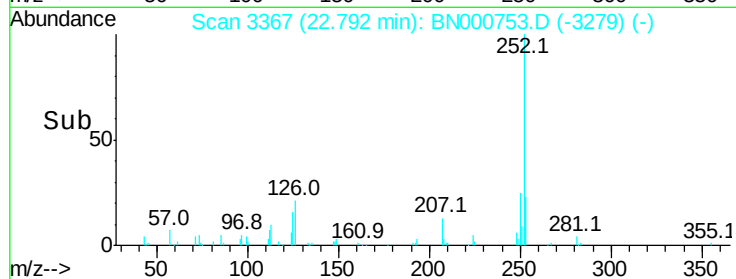
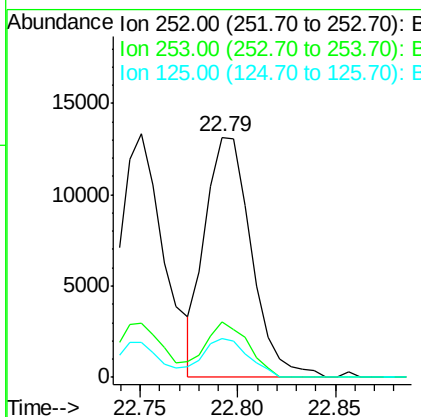
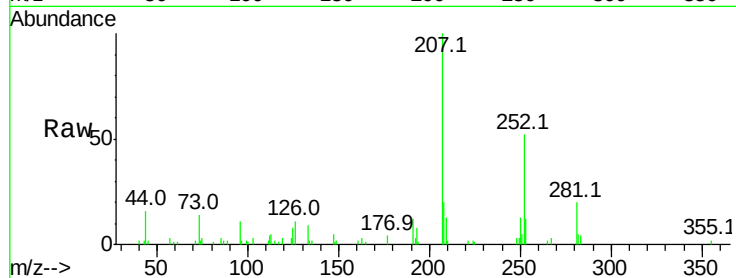




#88  
Benzo(k)fluoranthene  
Concen: 0.809 ng  
RT: 22.79 min Scan# 3367  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

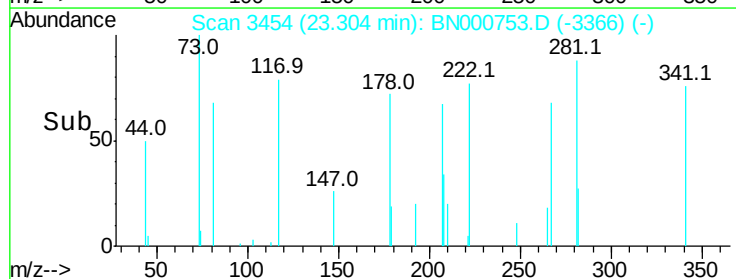
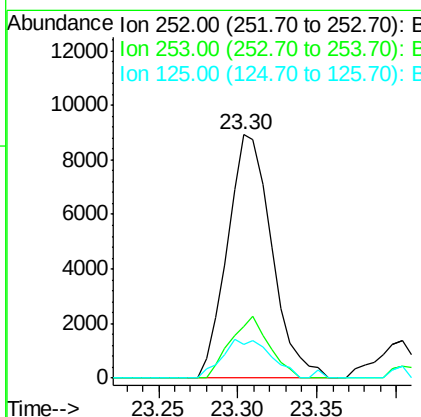
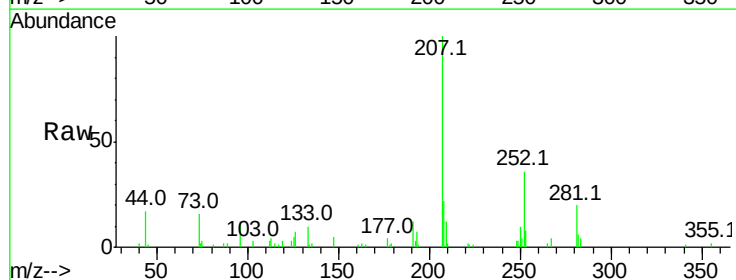
Instrument :  
BNA\_N  
ClientSampleId :

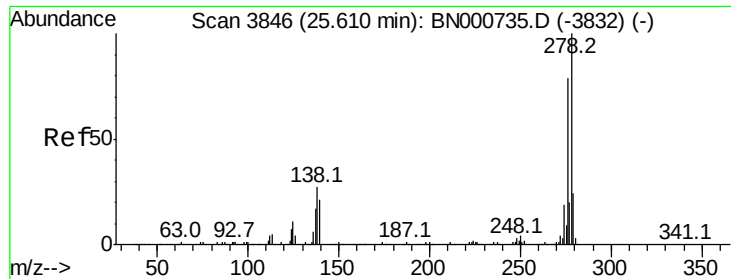
Tot Ion:252 Resp: 21673  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.4 26.2  
125 16.0 6.6 9.8#



#89  
Benzo(a)pyrene  
Concen: 0.705 ng  
RT: 23.30 min Scan# 3454  
Delta R.T. -0.01 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:252 Resp: 17296  
Ion Ratio Lower Upper  
252 100  
253 20.9 18.3 27.5  
125 13.8 7.3 10.9#

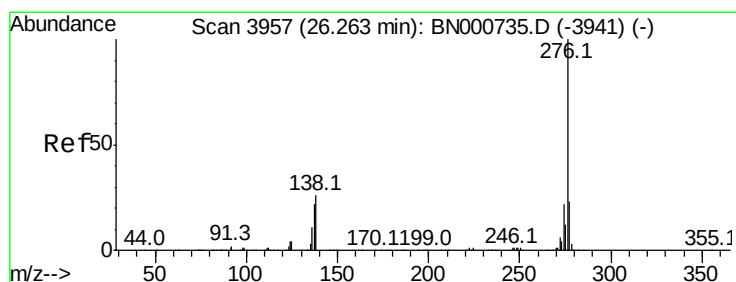
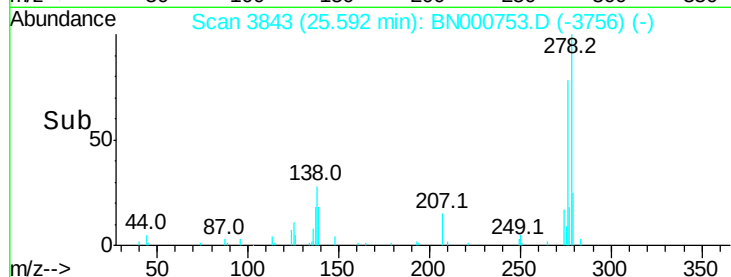
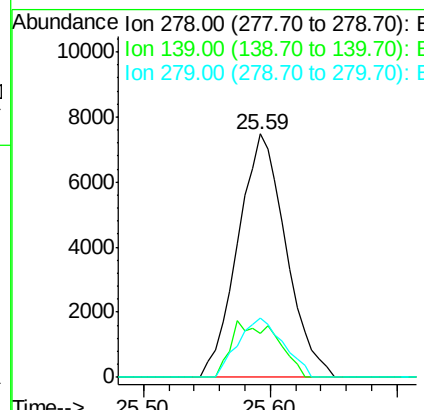
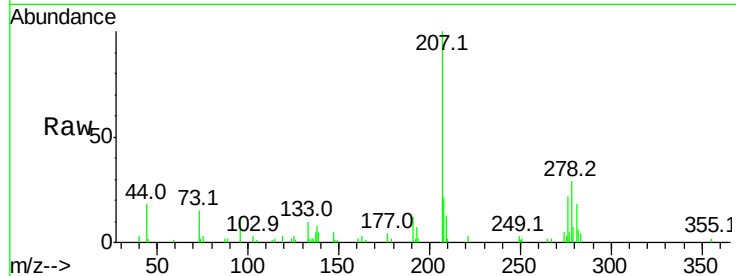




#90  
Dibenzo(a,h)anthracene  
Concen: 0.814 ng  
RT: 25.59 min Scan# 3843  
Delta R.T. -0.02 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:278 Resp: 19672  
Ion Ratio Lower Upper  
278 100  
139 18.2 9.8 14.6#  
279 24.5 18.4 27.6



#91  
Benzo(g,h,i)perylene  
Concen: 0.809 ng  
RT: 26.24 min Scan# 3953  
Delta R.T. -0.02 min  
Lab File: BN000753.D  
Acq: 18 Apr 2018 23:07

Tgt Ion:276 Resp: 19089  
Ion Ratio Lower Upper  
276 100  
277 24.5 18.3 27.5  
138 27.5 13.9 20.9#

