

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042219\  
 Data File : BM020030.D  
 Acq On : 23 Apr 2019 06:54  
 Operator : JU/SJ  
 Sample : K2472-03MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 23 08:52:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 99152    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.27 | 136  | 360998   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.16 | 164  | 187649   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 16.93 | 188  | 379853   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.15 | 240  | 360900   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.34 | 264  | 448103   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.12  | 112 | 731339  | 119.54 | ng | -0.01 |
| 7) Phenol-d6             | 6.70  | 99  | 859321  | 93.33  | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.67  | 82  | 743490  | 92.11  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.68 | 330 | 384381  | 127.25 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 12.77 | 172 | 1414616 | 93.95  | ng | -0.02 |
| 79) Terphenyl-d14        | 19.58 | 244 | 1932022 | 94.42  | ng | -0.01 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 116787 | 44.235 | ng | # 42   |
| 3) Pyridine                    | 3.50  | 79  | 240635 | 32.546 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.42  | 42  | 99386  | 41.727 | ng | 93     |
| 6) Aniline                     | 6.86  | 93  | 120311 | 10.117 | ng | 98     |
| 8) 2-Chlorophenol              | 7.07  | 128 | 289772 | 38.081 | ng | 98     |
| 9) Benzaldehyde                | 6.69  | 77  | 79760  | 12.161 | ng | 93     |
| 10) Phenol                     | 6.72  | 94  | 301700 | 29.990 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.95  | 93  | 278626 | 37.855 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.38  | 146 | 284490 | 35.613 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.53  | 146 | 291162 | 35.923 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.84  | 146 | 283998 | 35.339 | ng | 98     |
| 15) Benzyl Alcohol             | 7.77  | 79  | 280417 | 33.500 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.02  | 45  | 239336 | 34.111 | ng | 97     |
| 17) 2-Methylphenol             | 7.96  | 107 | 223783 | 33.611 | ng | 97     |
| 18) Hexachloroethane           | 8.54  | 117 | 107573 | 34.144 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.31  | 70  | 259769 | 32.095 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.29  | 107 | 283908 | 31.041 | ng | 97     |
| 22) Acetophenone               | 8.33  | 105 | 447600 | 45.522 | ng | # 98   |
| 24) Nitrobenzene               | 8.72  | 77  | 386116 | 46.174 | ng | 98     |
| 25) Isophorone                 | 9.23  | 82  | 625542 | 39.809 | ng | 99     |
| 26) 2-Nitrophenol              | 9.42  | 139 | 143211 | 40.188 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.48  | 122 | 227683 | 45.188 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.71  | 93  | 359102 | 40.812 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.96  | 162 | 217885 | 38.076 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.14 | 180 | 265091 | 43.041 | ng | 98     |
| 31) Naphthalene                | 10.32 | 128 | 804767 | 41.562 | ng | 99     |
| 32) Benzoic acid               | 9.68  | 122 | 4411   | 5.905  | ng | # 76   |
| 33) 4-Chloroaniline            | 10.51 | 127 | 23695  | 2.971  | ng | # 96   |
| 34) Hexachlorobutadiene        | 10.57 | 225 | 152006 | 41.846 | ng | 99     |
| 35) Caprolactam                | 11.33 | 113 | 33531  | 15.480 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 11.60 | 107 | 259874 | 36.549 | ng | 98     |
| 37) 2-Methylnaphthalene        | 11.95 | 142 | 585865 | 41.560 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.17 | 142 | 553155 | 39.741 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.32 | 216 | 282915 | 48.872 | ng | 99     |

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 Sample : K2472-03MSD  
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 ALS Vial : 25 Sample Multiplier: 1

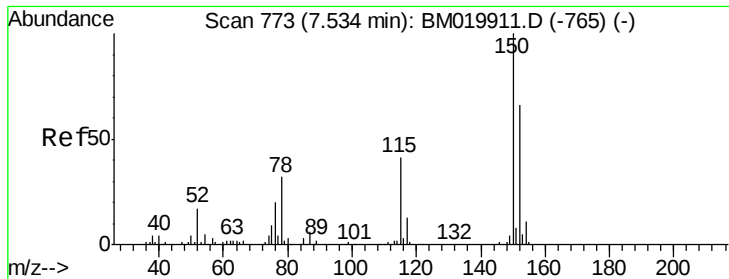
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 23 08:52:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.27 | 237  | 155028   | 76.278 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.59 | 196  | 182775   | 46.571 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.68 | 196  | 176442   | 43.195 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 12.99 | 154  | 753690   | 46.373 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.03 | 162  | 581756   | 46.926 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.28 | 65   | 180660   | 40.429 | ng    | 96       |
| 49) Acenaphthylene             | 13.89 | 152  | 911454   | 42.255 | ng    | 100      |
| 50) Dimethylphthalate          | 13.64 | 163  | 724074   | 43.746 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.78 | 165  | 156409   | 42.734 | ng    | 87       |
| 52) Acenaphthene               | 14.23 | 154  | 534199   | 44.666 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.14 | 138  | 35670    | 9.760  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.38 | 184  | 32306    | 20.878 | ng    | 92       |
| 55) Dibenzofuran               | 14.57 | 168  | 873768   | 44.677 | ng    | 96       |
| 56) 4-Nitrophenol              | 14.47 | 139  | 134354   | 49.037 | ng    | # 82     |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 211957   | 40.287 | ng    | 98       |
| 58) Fluorene                   | 15.23 | 166  | 698602   | 42.156 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 164657   | 44.178 | ng    | 100      |
| 60) Diethylphthalate           | 15.01 | 149  | 744143   | 43.228 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.22 | 204  | 352391   | 44.166 | ng    | 95       |
| 62) 4-Nitroaniline             | 15.31 | 138  | 105028   | 29.168 | ng    | 90       |
| 63) Azobenzene                 | 15.52 | 77   | 814556   | 44.272 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 46602    | 19.228 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.45 | 169  | 580807   | 46.770 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.12 | 248  | 204025   | 46.718 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.23 | 284  | 241842   | 46.152 | ng    | 98       |
| 69) Atrazine                   | 16.42 | 200  | 194724   | 46.190 | ng    | 98       |
| 70) Pentachlorophenol          | 16.60 | 266  | 201354   | 75.204 | ng    | 99       |
| 71) Phenanthrene               | 16.97 | 178  | 1020377  | 45.266 | ng    | 99       |
| 72) Anthracene                 | 17.07 | 178  | 1020513  | 45.480 | ng    | 100      |
| 73) Carbazole                  | 17.36 | 167  | 897356   | 42.834 | ng    | 99       |
| 74) Di-n-butylphthalate        | 17.90 | 149  | 1183168  | 43.004 | ng    | 100      |
| 75) Fluoranthene               | 19.01 | 202  | 1139395  | 43.922 | ng    | 99       |
| 77) Benzidine                  | 19.25 | 184  | 54689    | 5.492  | ng    | # 95     |
| 78) Pyrene                     | 19.38 | 202  | 1174191  | 49.130 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.29 | 149  | 551262   | 47.576 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.14 | 228  | 1099255  | 48.082 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 159657   | 18.770 | ng    | 99       |
| 83) Chrysene                   | 21.19 | 228  | 1111853  | 50.712 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.05 | 149  | 822489   | 47.680 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 21.91 | 149  | 1430705  | 51.114 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 1812765  | 84.049 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.69 | 252  | 1280311  | 43.029 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.73 | 252  | 1328117  | 47.412 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.24 | 252  | 1266545  | 48.040 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.53 | 278  | 1534747  | 60.379 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.20 | 276  | 1435987  | 62.373 | ng    | 98       |

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



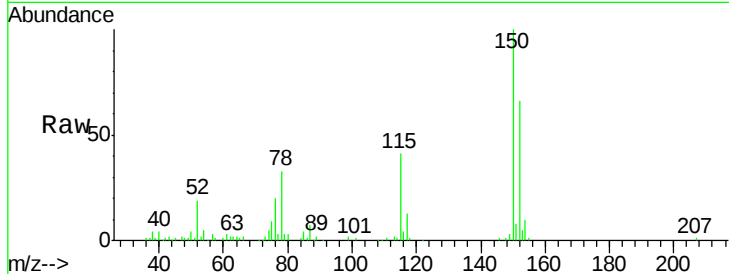


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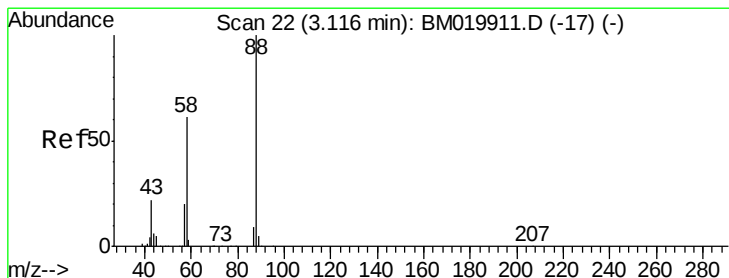
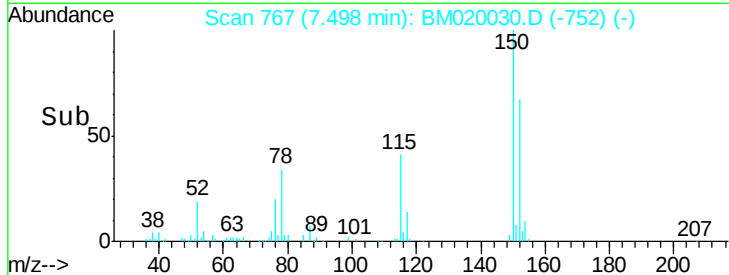
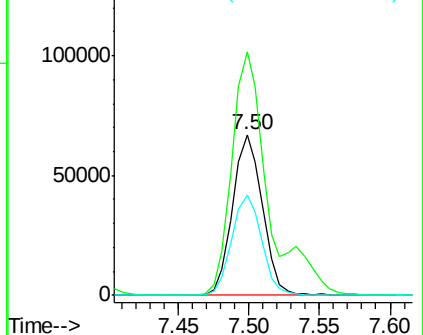
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 767  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 99152  
Ion Ratio Lower Upper  
152 100  
150 151.8 122.1 183.1  
115 62.1 50.0 75.0



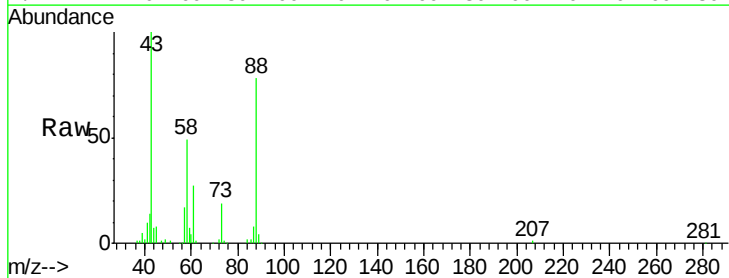
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



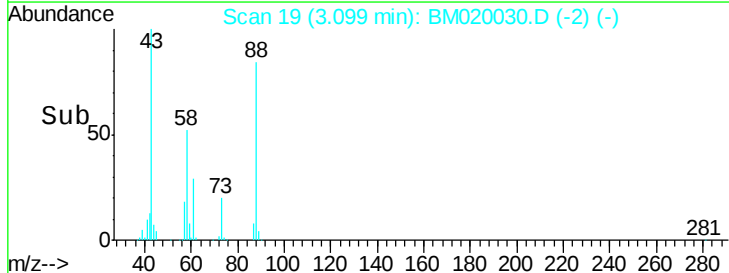
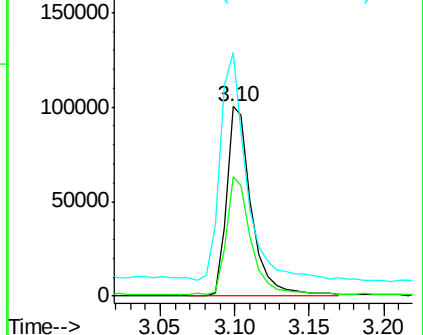
#2

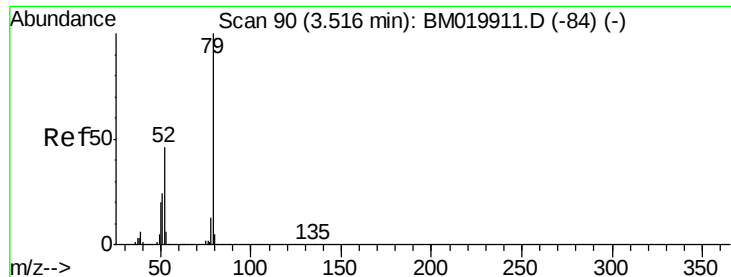
1,4-Dioxane  
Concen: 44.235 ng  
RT: 3.10 min Scan# 19  
Delta R.T. -0.00 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Tgt Ion: 88 Resp: 116787  
Ion Ratio Lower Upper  
88 100  
58 62.1 49.6 74.4  
43 127.5 18.6 27.8#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 32.546 ng

RT: 3.50 min Scan# 88

Delta R.T. -0.00 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

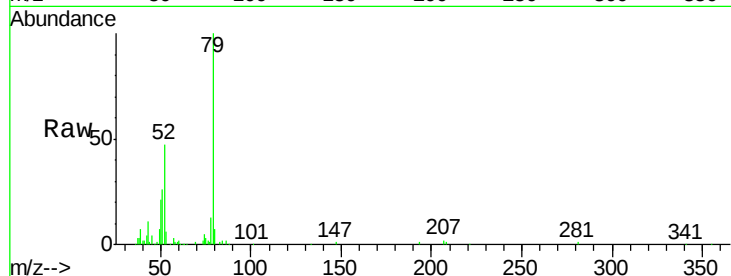
Tot Ion: 79 Resp: 240635

Ion Ratio Lower Upper

79 100

52 47.4 36.9 55.3

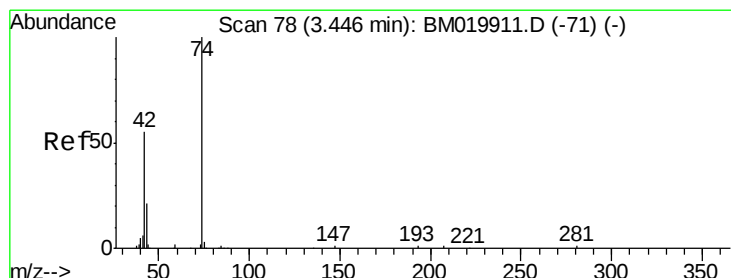
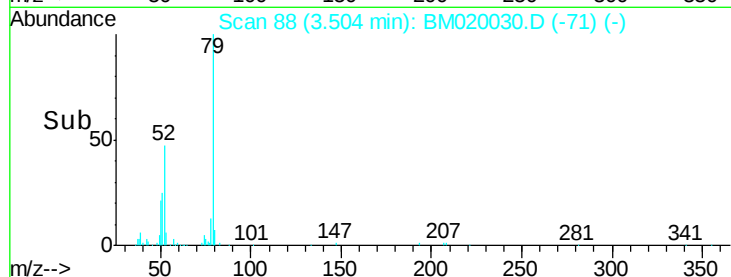
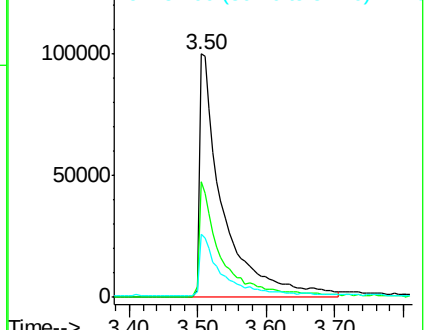
51 25.7 20.0 30.0



Abundance Ion 79.00 (78.70 to 79.70): BM019911.D (-84) (-)

Ion 52.00 (51.70 to 52.70): BM019911.D (-84) (-)

Ion 51.00 (50.70 to 51.70): BM019911.D (-84) (-)



#4

n-Nitrosodimethylamine

Concen: 41.727 ng

RT: 3.42 min Scan# 74

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

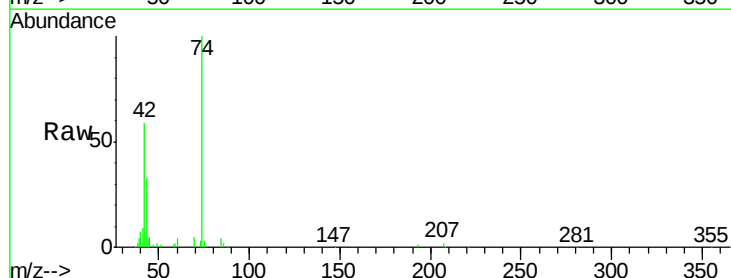
Tgt Ion: 42 Resp: 99386

Ion Ratio Lower Upper

42 100

74 170.3 144.6 217.0

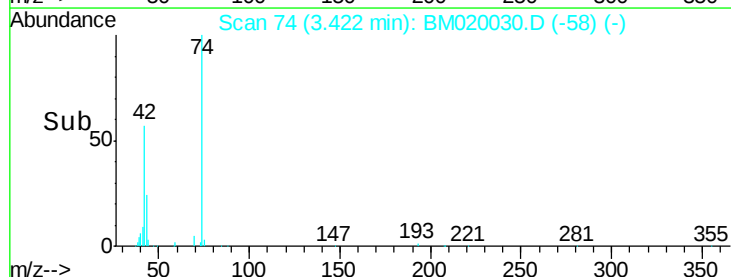
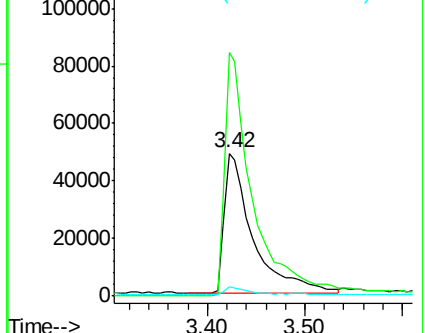
44 6.5 5.4 8.2

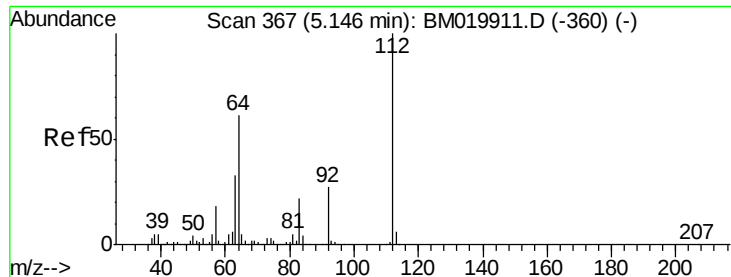


Abundance Ion 42.00 (41.70 to 42.70): BM019911.D (-71) (-)

Ion 74.00 (73.70 to 74.70): BM019911.D (-71) (-)

Ion 44.00 (43.70 to 44.70): BM019911.D (-71) (-)





#5

2-Fluorophenol

Concen: 119.538 ng

RT: 5.12 min Scan# 362

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampled :

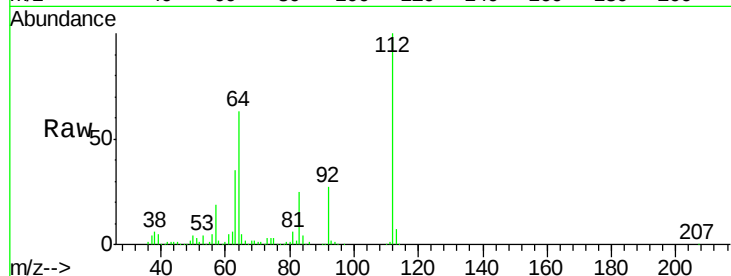
Tot Ion:112 Resp: 731339

Ion Ratio Lower Upper

112 100

64 62.7 49.1 73.7

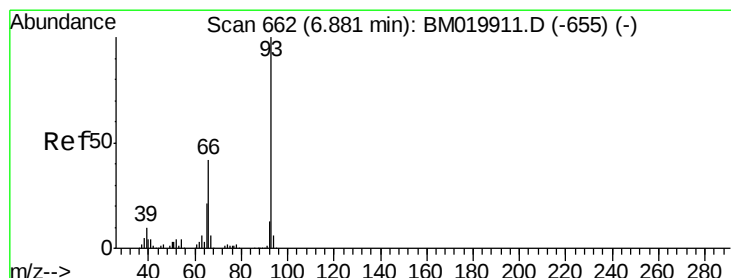
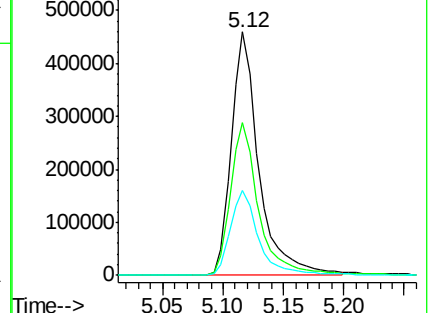
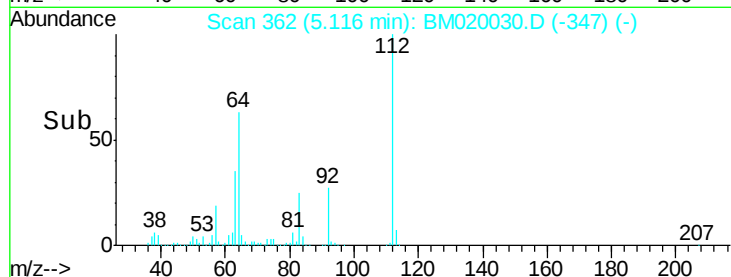
63 34.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 10.117 ng

RT: 6.86 min Scan# 658

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

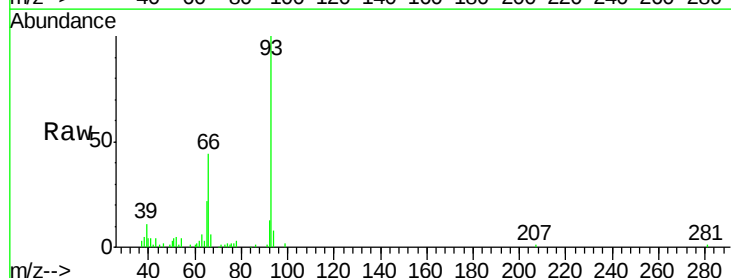
Tgt Ion: 93 Resp: 120311

Ion Ratio Lower Upper

93 100

66 43.5 33.9 50.9

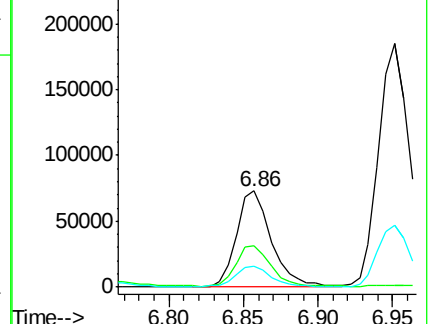
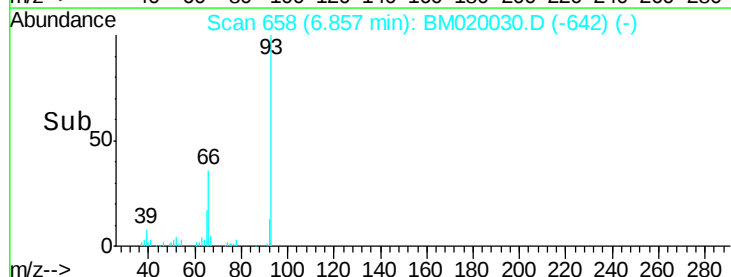
65 21.9 17.0 25.6

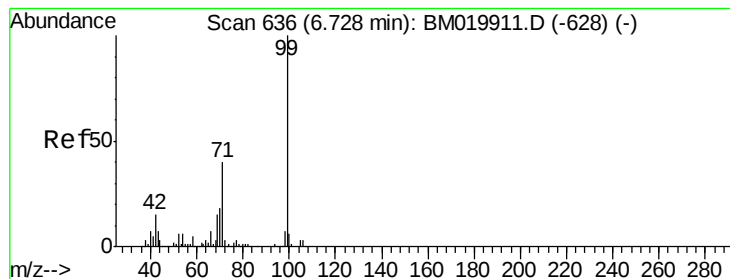


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 93.328 ng

RT: 6.70 min Scan# 631

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

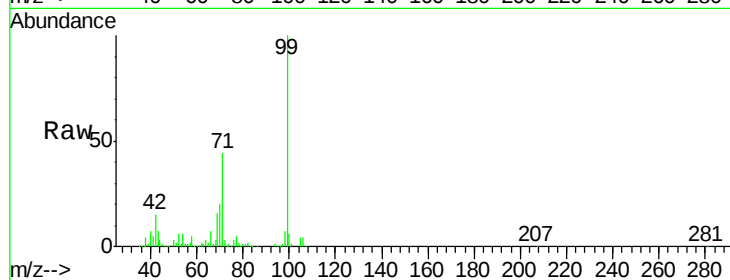
Tot Ion: 99 Resp: 859321

Ion Ratio Lower Upper

99 100

42 15.5 11.8 17.8

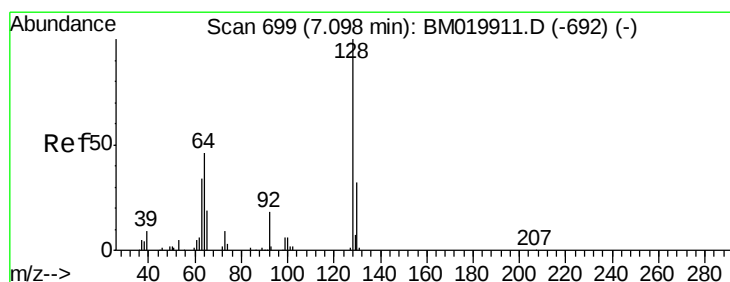
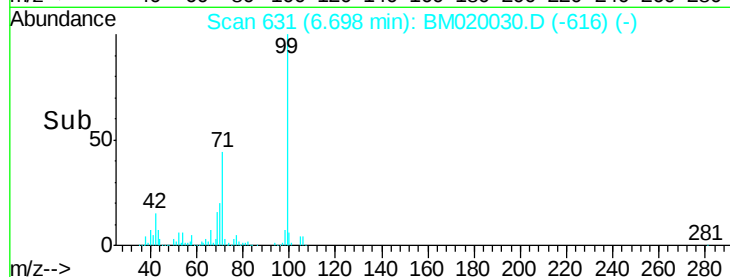
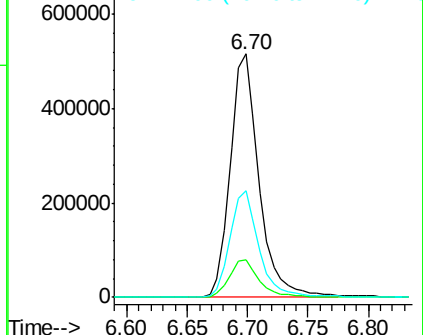
71 43.6 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM019911.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM019911.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM019911.D (-628) (-)



#8

2-Chlorophenol

Concen: 38.081 ng

RT: 7.07 min Scan# 694

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

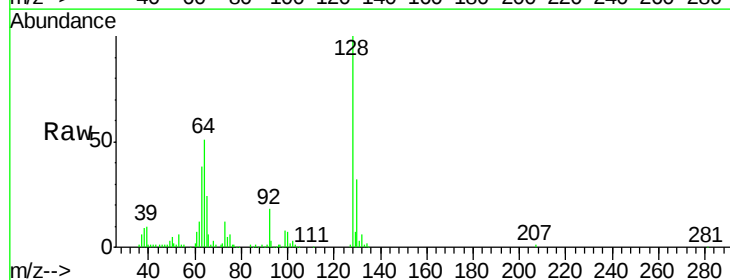
Tgt Ion: 128 Resp: 289772

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

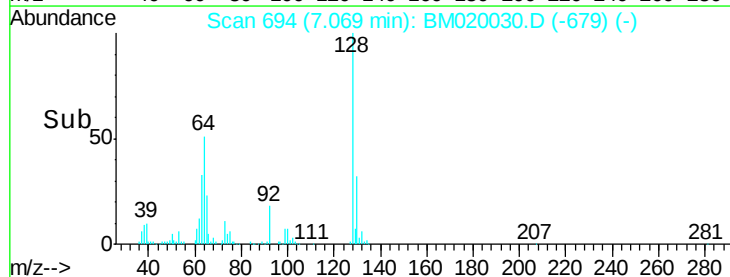
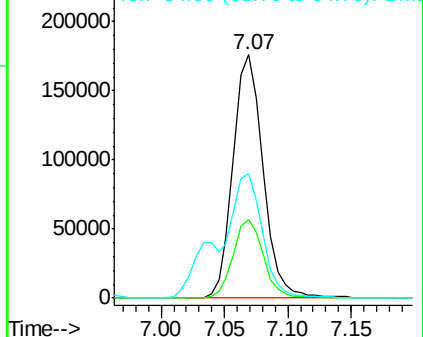
64 51.2 33.0 73.0

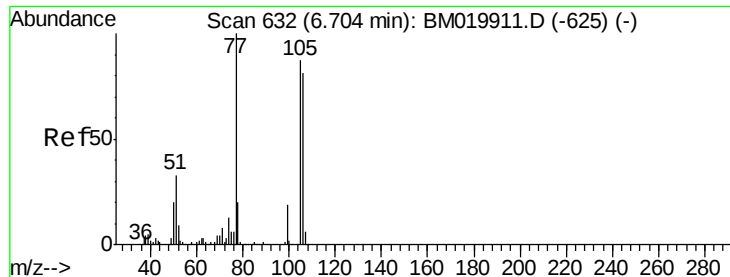


Abundance Ion 128.00 (127.70 to 128.70): BM019911.D (-692) (-)

Ion 130.00 (129.70 to 130.70): BM019911.D (-692) (-)

Ion 64.00 (63.70 to 64.70): BM019911.D (-692) (-)





#9

Benzaldehyde

Concen: 12.161 ng

RT: 6.69 min Scan# 629

Delta R.T. -0.00 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampled :

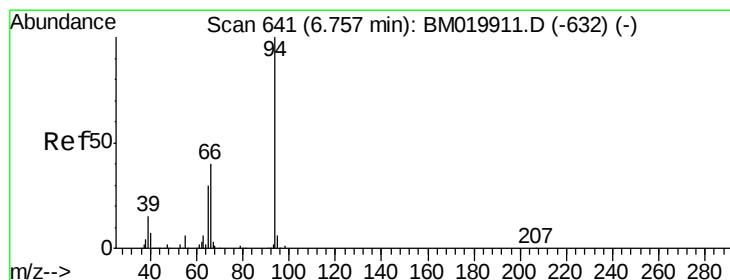
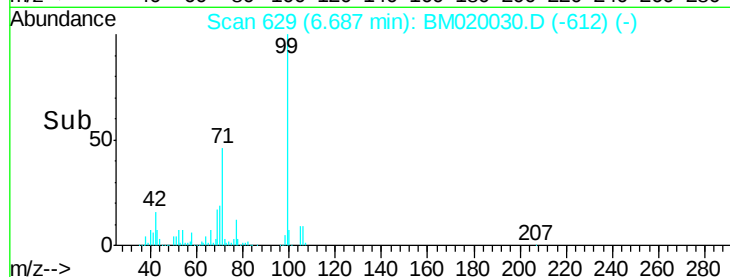
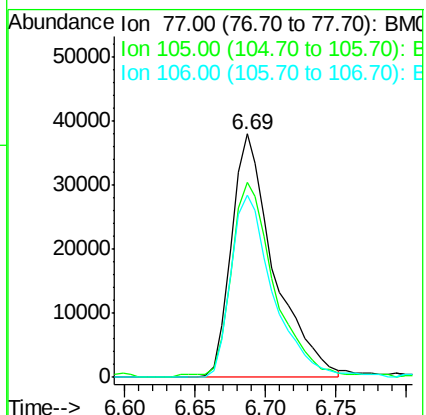
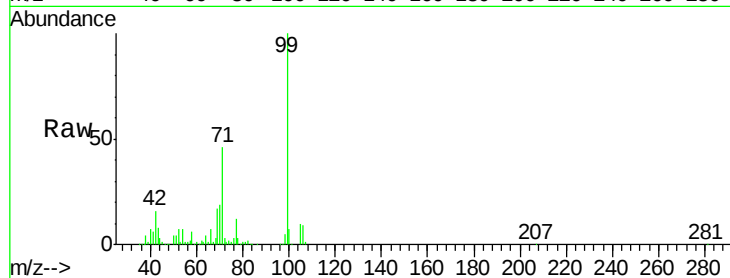
Tot Ion: 77 Resp: 79760

Ion Ratio Lower Upper

77 100

105 80.3 67.3 107.3

106 75.0 60.6 100.6



#10

Phenol

Concen: 29.990 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

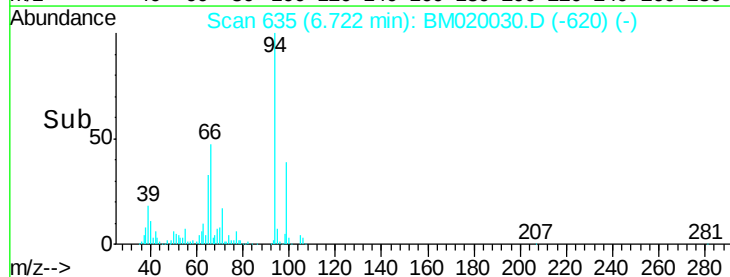
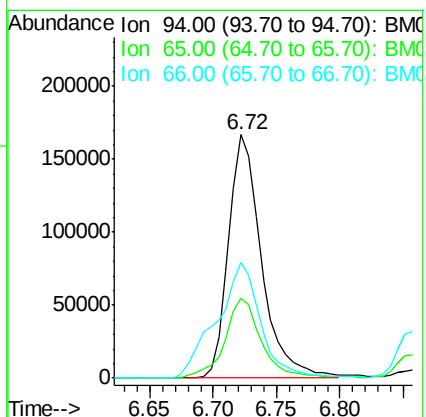
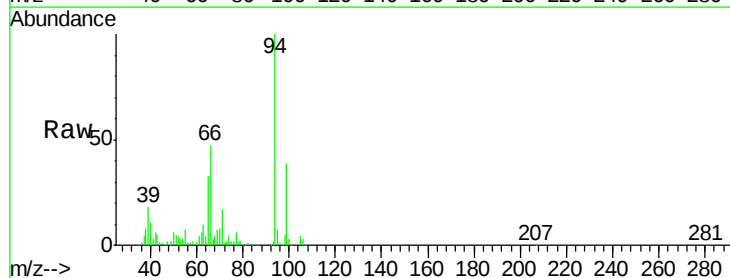
Tgt Ion: 94 Resp: 301700

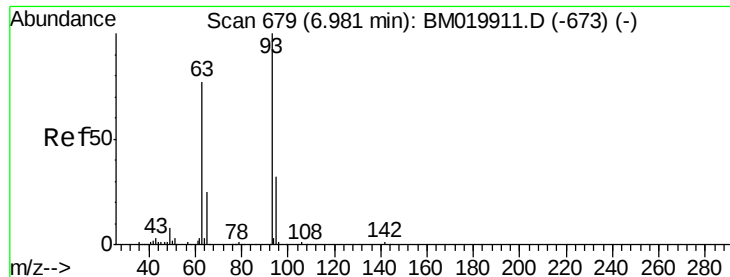
Ion Ratio Lower Upper

94 100

65 33.0 10.0 50.0

66 47.4 20.2 60.2

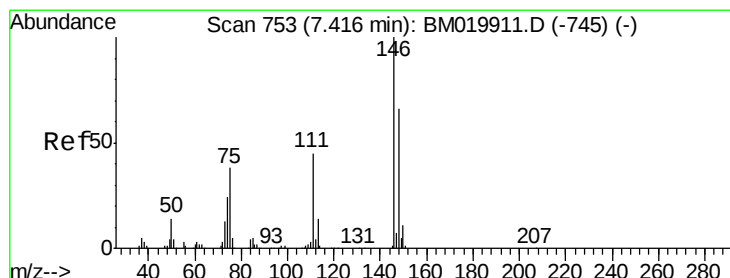
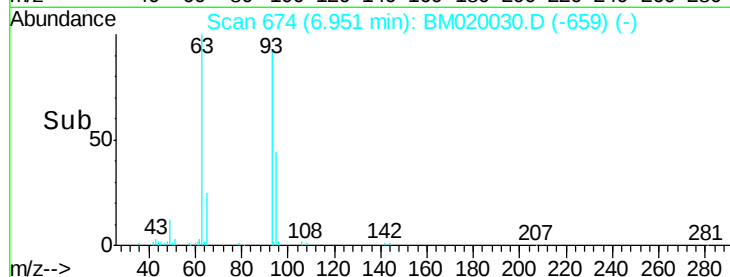
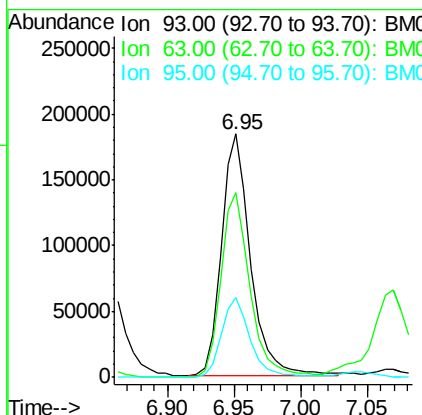
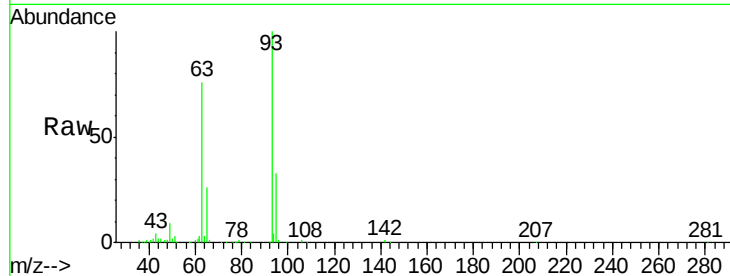




#11  
bis(2-Chloroethyl)ether  
Concen: 37.855 ng  
RT: 6.95 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

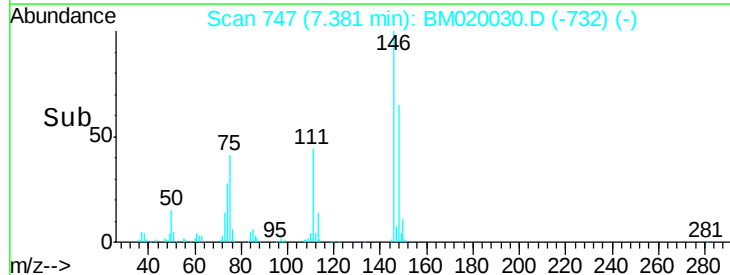
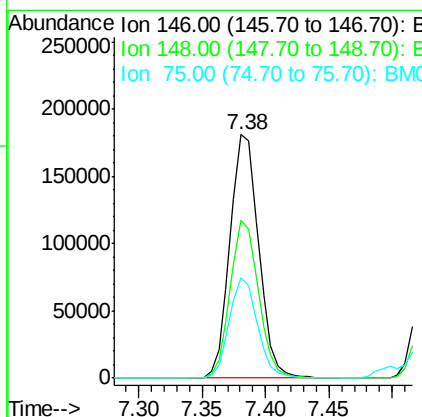
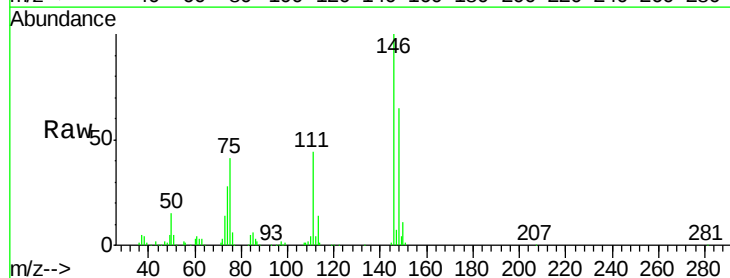
Instrument :  
BNA\_M  
ClientSampleId :

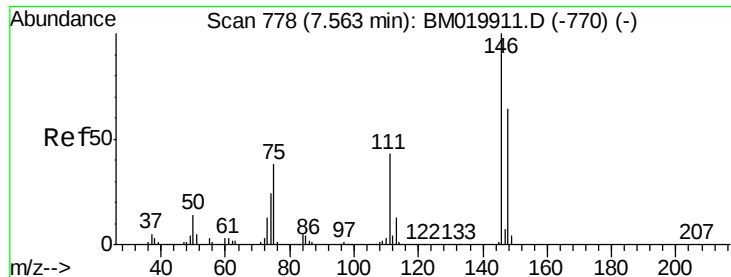
| Tot Ion | 93    | Resp  | 278626 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 93      | 100   |       |        |
| 63      | 76.0  | 55.8  | 95.8   |
| 95      | 32.7  | 11.6  | 51.6   |



#12  
1,3-Dichlorobenzene  
Concen: 35.613 ng  
RT: 7.38 min Scan# 747  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

| Tgt Ion | 146   | Resp  | 284490 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 146     | 100   |       |        |
| 148     | 64.9  | 52.6  | 78.8   |
| 75      | 41.4  | 30.0  | 45.0   |

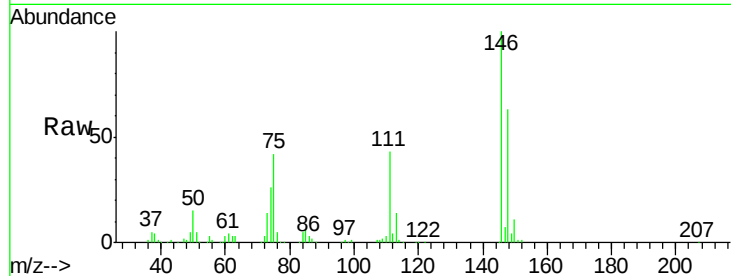




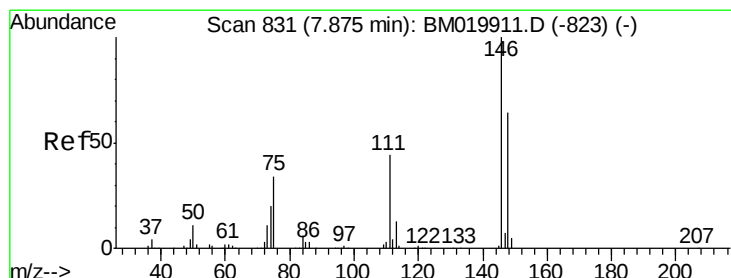
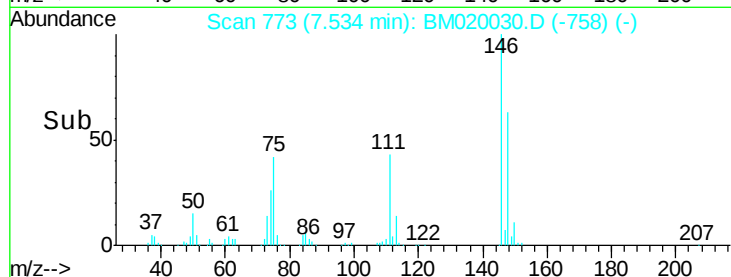
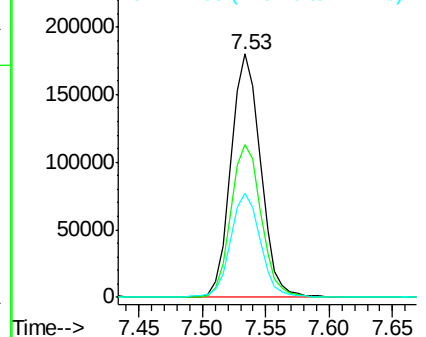
#13  
 1,4-Dichlorobenzene  
 Concen: 35.923 ng  
 RT: 7.53 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:146 Resp: 291162  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 51.1 76.7  
 111 42.8 34.6 51.8

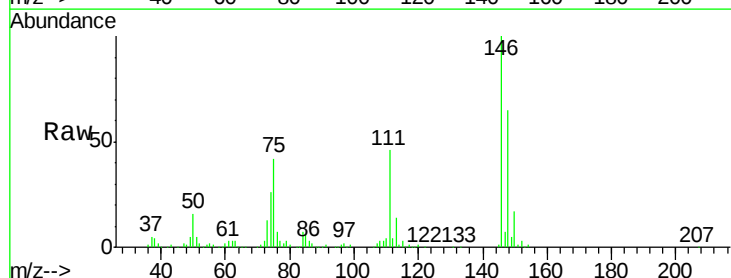


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

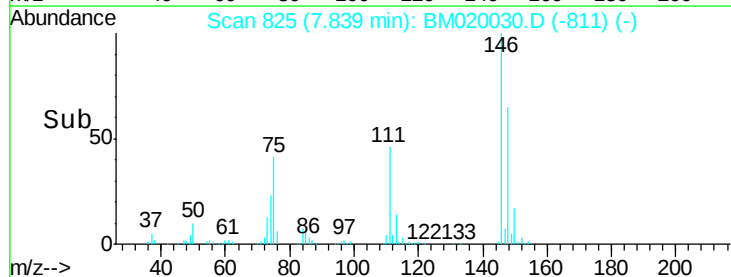
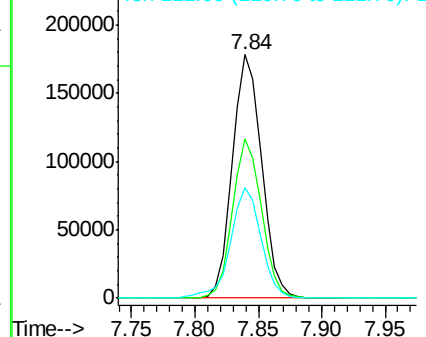


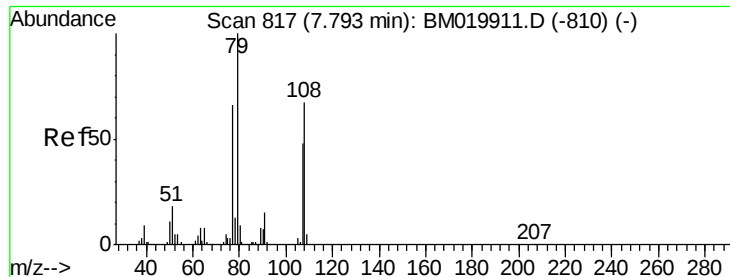
#14  
 1,2-Dichlorobenzene  
 Concen: 35.339 ng  
 RT: 7.84 min Scan# 825  
 Delta R.T. -0.02 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:146 Resp: 283998  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 51.4 77.2  
 111 45.6 35.4 53.0



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 33.500 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

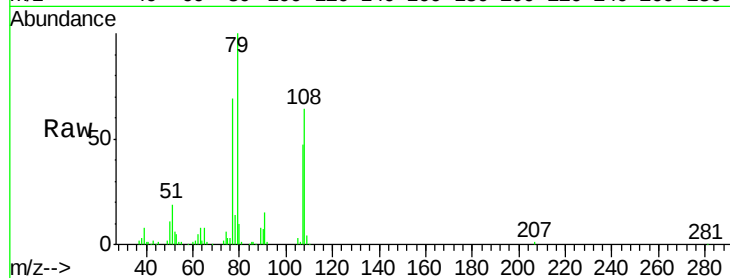
Tot Ion: 79 Resp: 280417

Ion Ratio Lower Upper

79 100

108 63.8 53.9 80.9

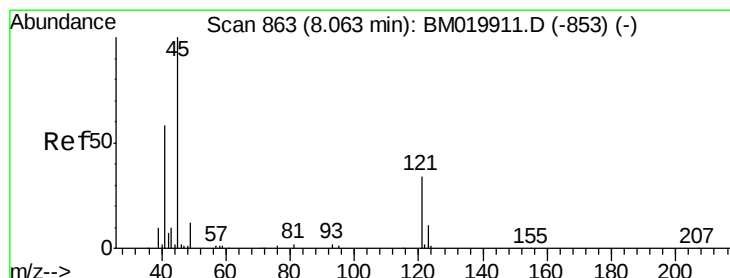
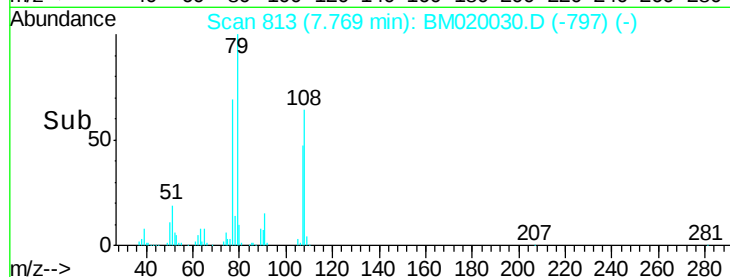
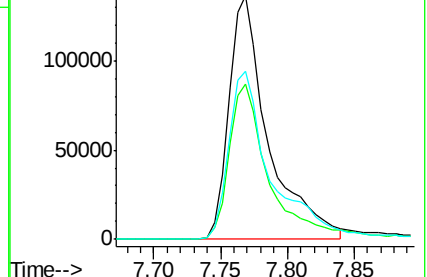
77 68.9 53.1 79.7



Abundance Ion 79.00 (78.70 to 79.70): BM019911.D (-810) (-)

Ion 108.00 (107.70 to 108.70): BM019911.D (-810) (-)

Ion 77.00 (76.70 to 77.70): BM019911.D (-810) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.111 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.03 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

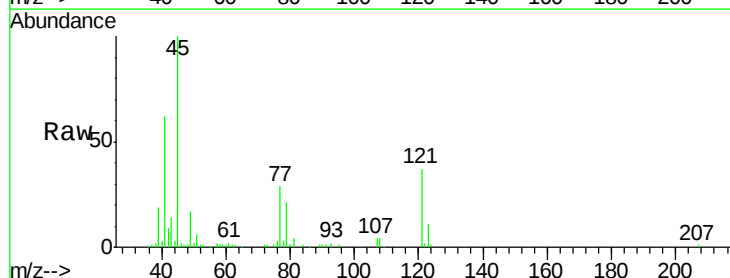
Tgt Ion: 45 Resp: 239336

Ion Ratio Lower Upper

45 100

77 29.1 7.2 47.2

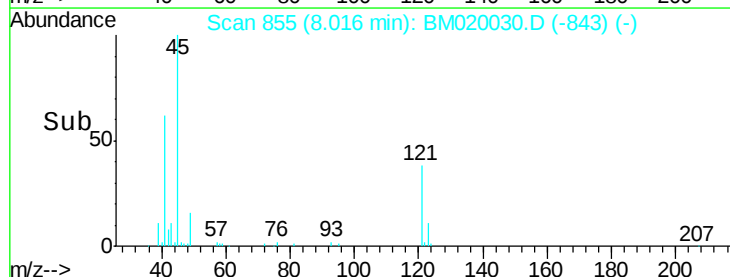
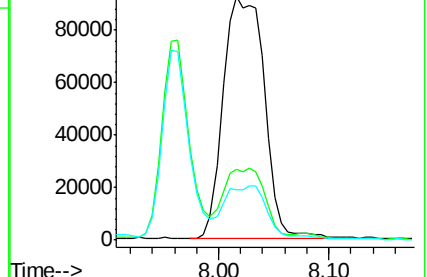
79 20.6 1.2 41.2

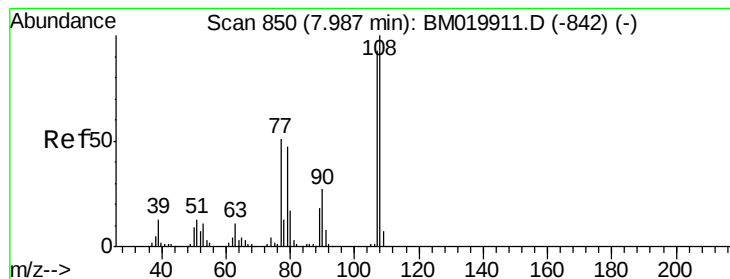


Abundance Ion 45.00 (44.70 to 45.70): BM019911.D (-853) (-)

Ion 77.00 (76.70 to 77.70): BM019911.D (-853) (-)

Ion 79.00 (78.70 to 79.70): BM019911.D (-853) (-)

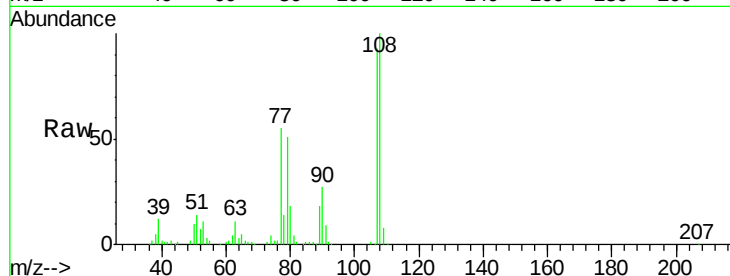




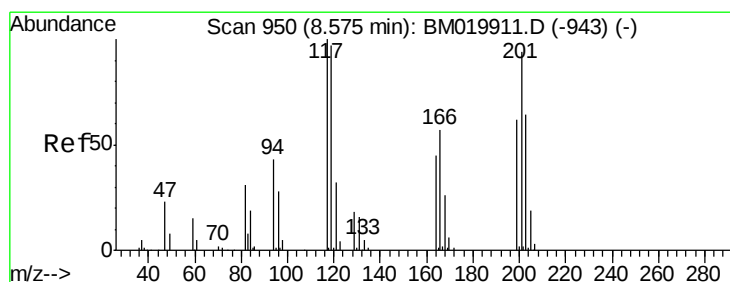
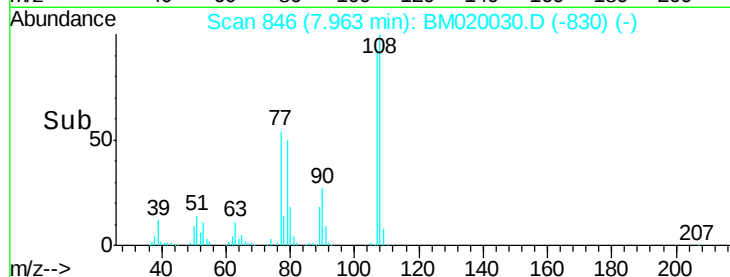
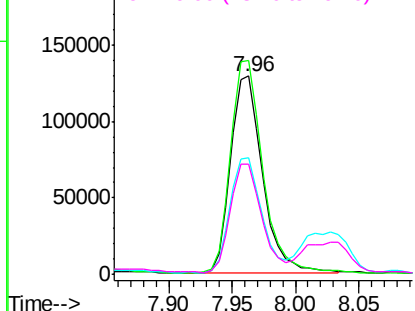
#17  
2-Methylphenol  
Concen: 33.611 ng  
RT: 7.96 min Scan# 846  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 223783 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 107.8 | 85.9  | 128.9  |
| 77       | 58.9  | 43.8  | 65.6   |
| 79       | 55.3  | 41.1  | 61.7   |

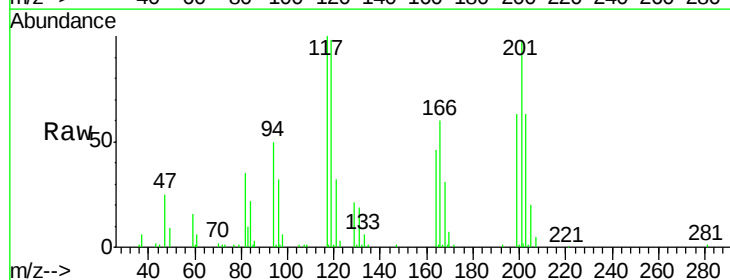


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BM0  
Ion 79.00 (78.70 to 79.70): BM0

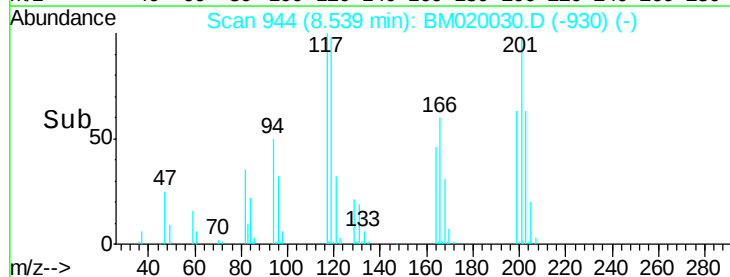
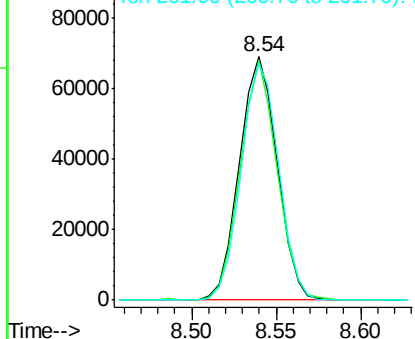


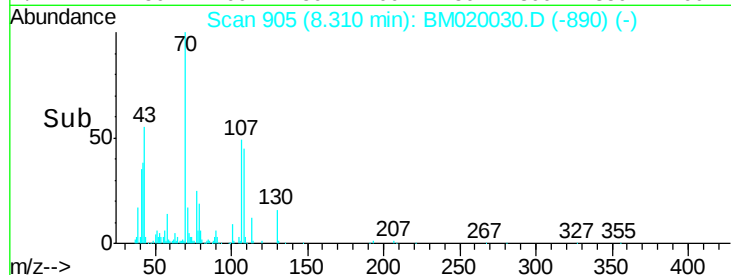
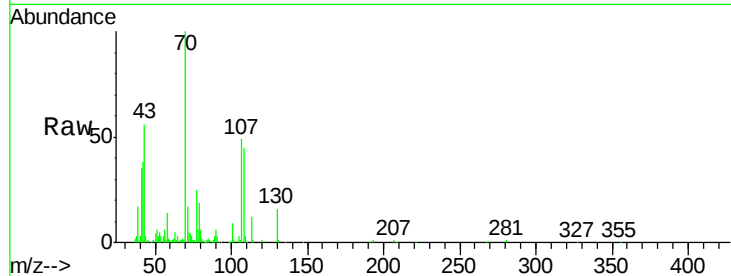
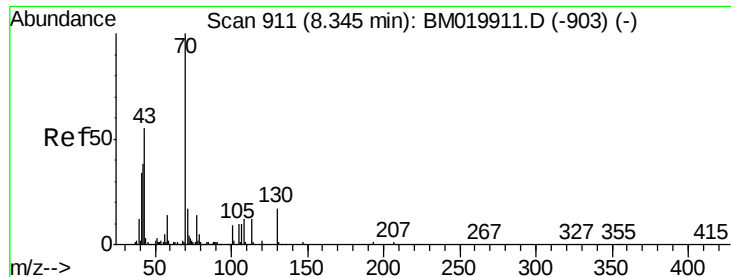
#18  
Hexachloroethane  
Concen: 34.144 ng  
RT: 8.54 min Scan# 944  
Delta R.T. -0.02 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 107573 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.4  | 77.6  | 116.4  |
| 201      | 97.6  | 75.4  | 113.2  |



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

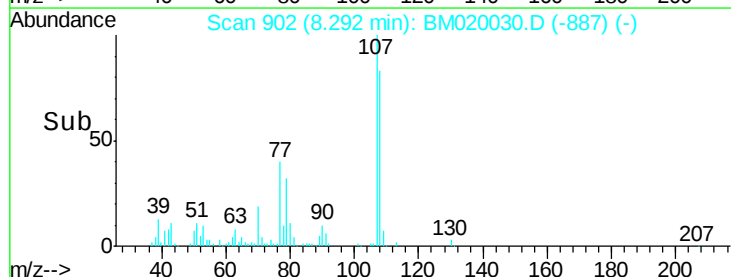
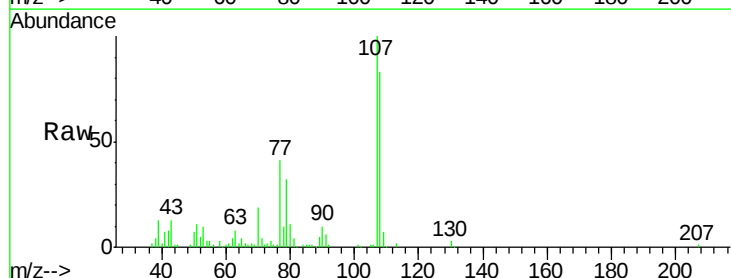
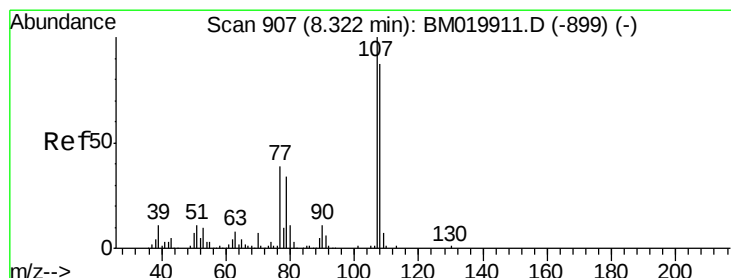
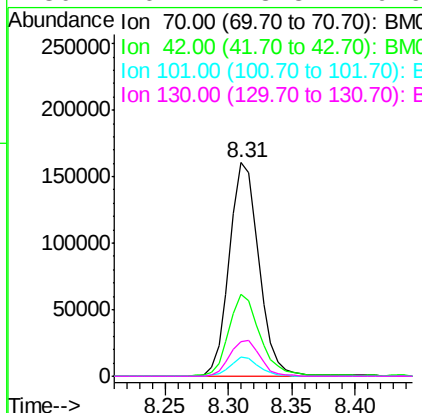




#19  
n-Nitroso-di-n-propylamine  
Concen: 32.095 ng  
RT: 8.31 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

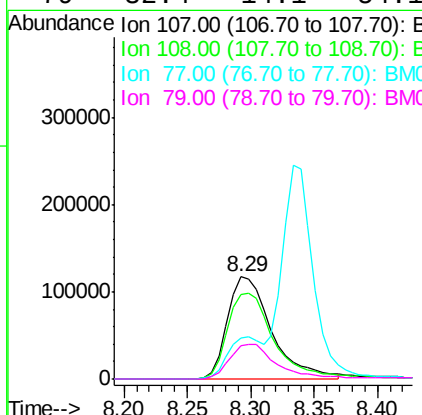
Instrument :  
BNA\_M  
ClientSampled :

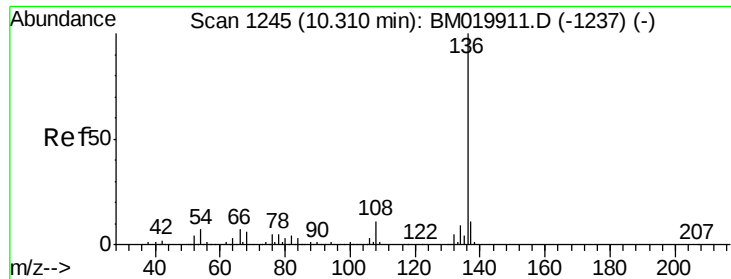
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 38.2  | 30.3  | 45.5  |
| 101     | 8.8   | 6.9   | 10.3  |
| 130     | 16.4  | 13.8  | 20.6  |



#20  
3+4-Methylphenols  
Concen: 31.041 ng  
RT: 8.29 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 83.4  | 67.4  | 107.4 |
| 77      | 40.6  | 19.7  | 59.7  |
| 79      | 32.4  | 14.1  | 54.1  |

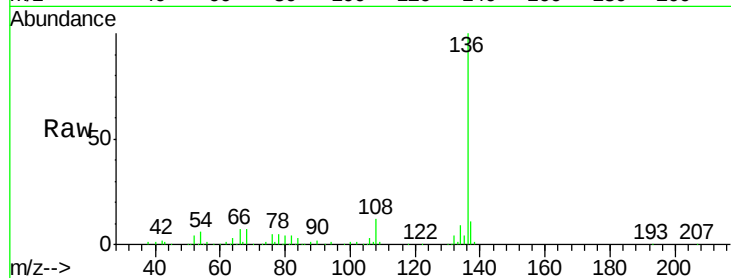




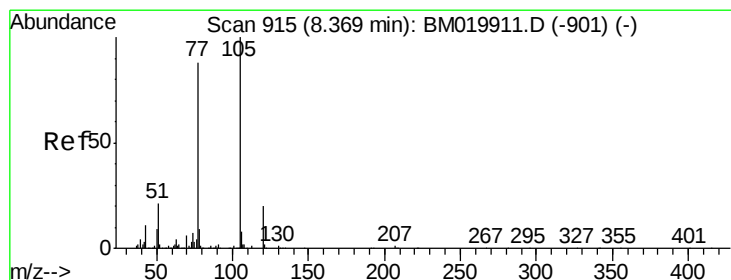
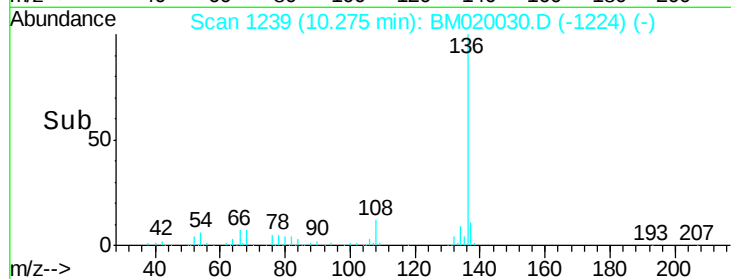
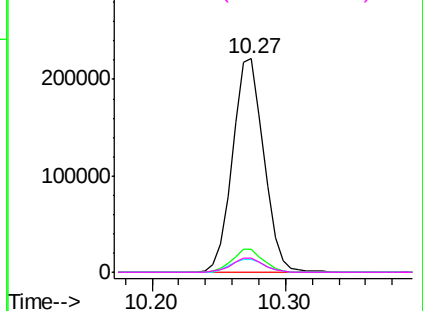
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.27 min Scan# 1239  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 360998   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 9.0 13.6 |
| 54          | 6.2   | 5.3 7.9  |
| 68          | 6.6   | 5.2 7.8  |

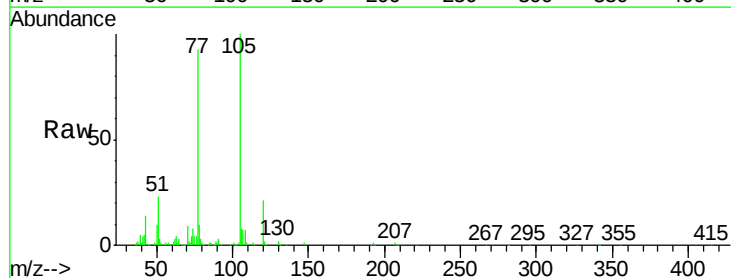


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

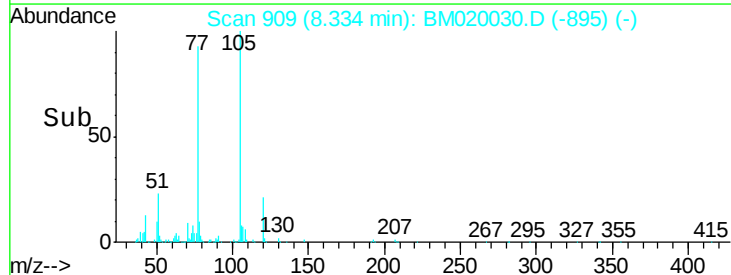
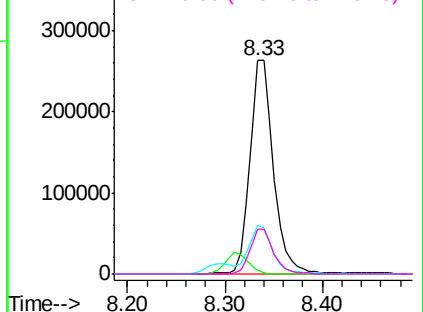


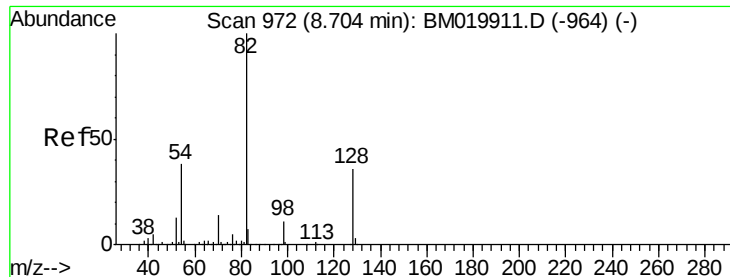
#22  
Acetophenone  
Concen: 45.522 ng  
RT: 8.33 min Scan# 909  
Delta R.T. -0.02 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 447600    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.5   | 0.8 1.2#  |
| 51          | 22.5  | 16.9 25.3 |
| 120         | 20.8  | 16.4 24.6 |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BM  
Ion 51.00 (50.70 to 51.70): BM  
Ion 120.00 (119.70 to 120.70): E

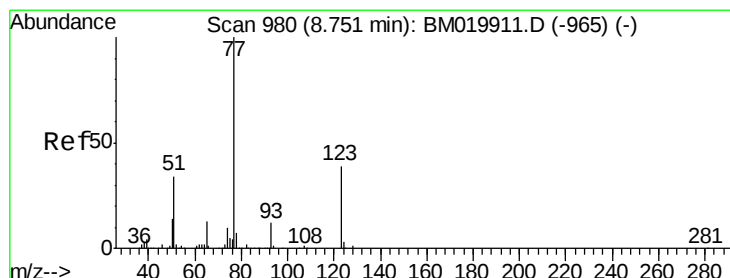
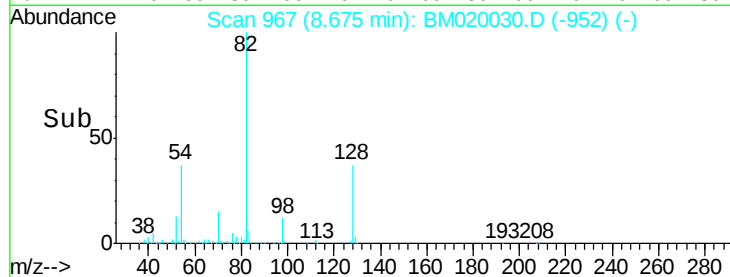
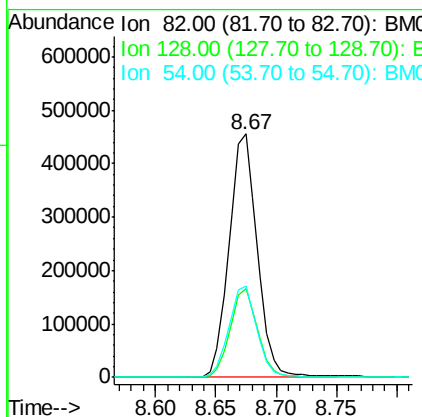
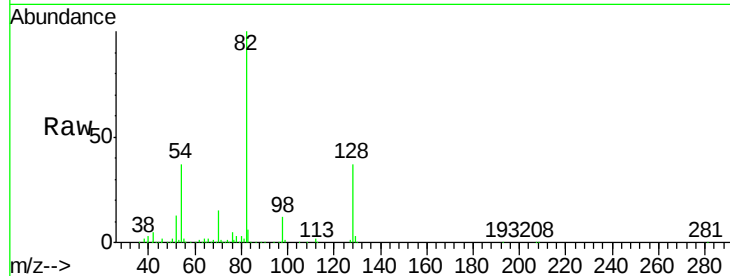




#23  
 Nitrobenzene-d5  
 Concen: 92.105 ng  
 RT: 8.67 min Scan# 967  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

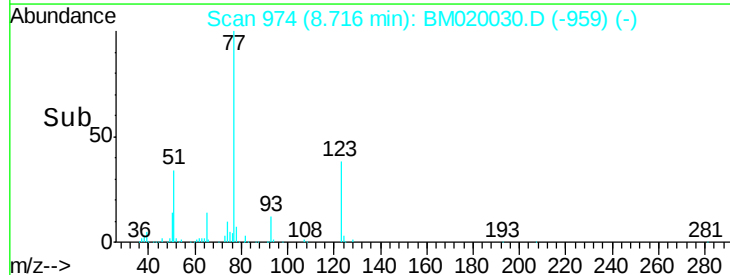
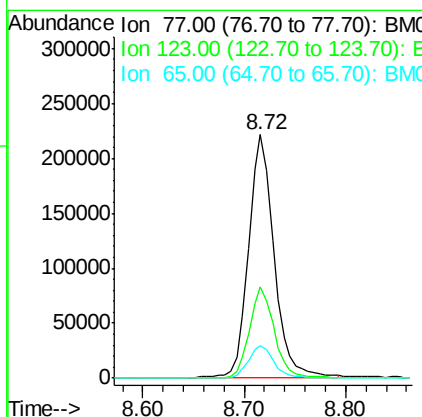
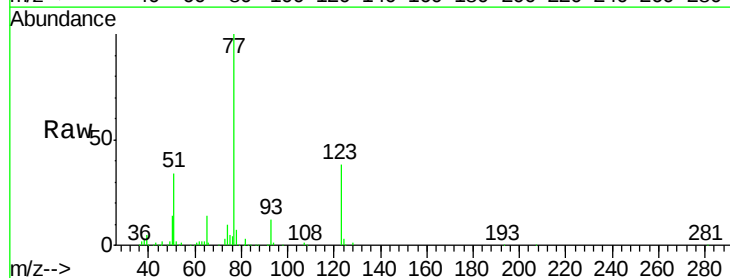
Instrument :  
 BNA\_M  
 ClientSampleId :

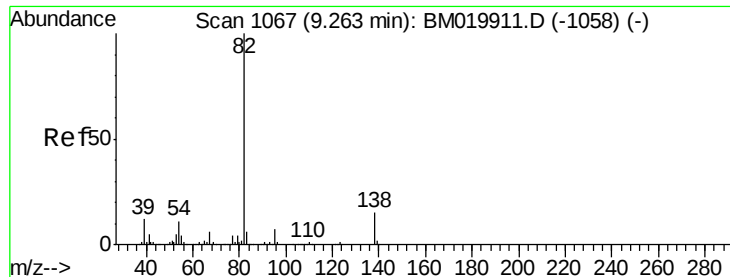
| Tot Ion   | 82    | Resp  | 743490 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.6  | 29.0  | 43.4   |
| 54        | 37.3  | 30.2  | 45.4   |



#24  
 Nitrobenzene  
 Concen: 46.174 ng  
 RT: 8.72 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

| Tgt Ion   | 77    | Resp  | 386116 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 37.5  | 31.0  | 46.4   |
| 65        | 13.6  | 10.6  | 16.0   |





#25

Isophorone

Concen: 39.809 ng

RT: 9.23 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

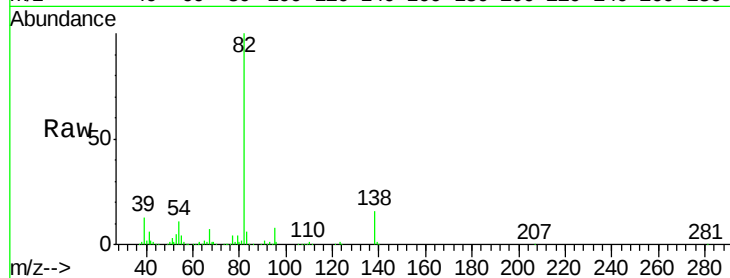
Tot Ion: 82 Resp: 625542

Ion Ratio Lower Upper

82 100

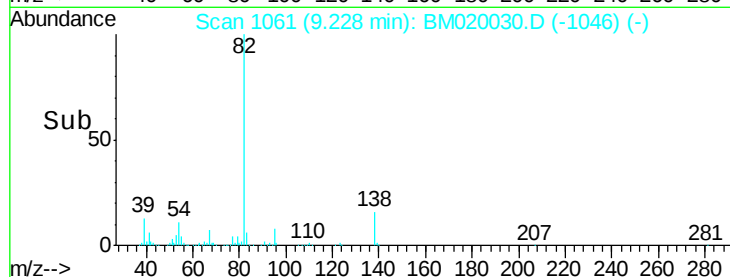
95 7.8 5.5 8.3

138 15.6 12.2 18.2

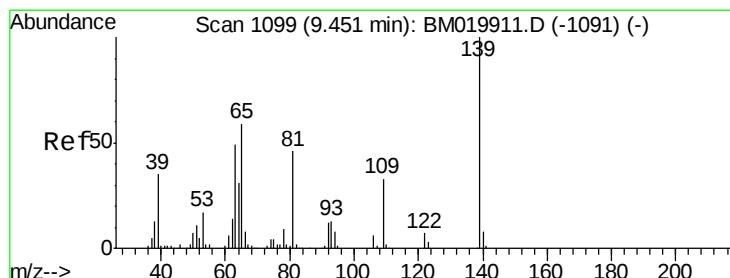


Abundance Ion 82.00 (81.70 to 82.70): BM0  
Ion 95.00 (94.70 to 95.70): BM0  
Ion 138.00 (137.70 to 138.70): E

9.23



Time-->



#26

2-Nitrophenol

Concen: 40.188 ng

RT: 9.42 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

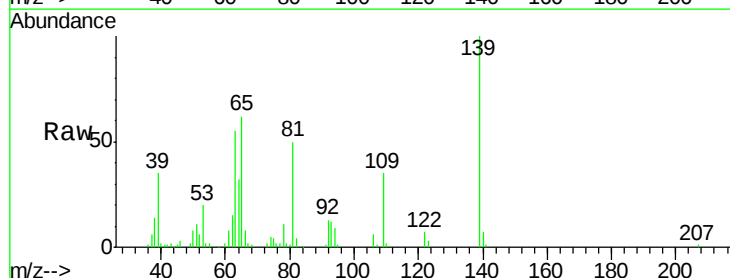
Tgt Ion: 139 Resp: 143211

Ion Ratio Lower Upper

139 100

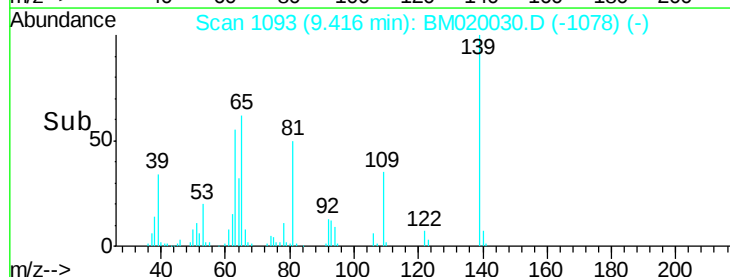
109 35.0 26.3 39.5

65 62.3 47.4 71.2

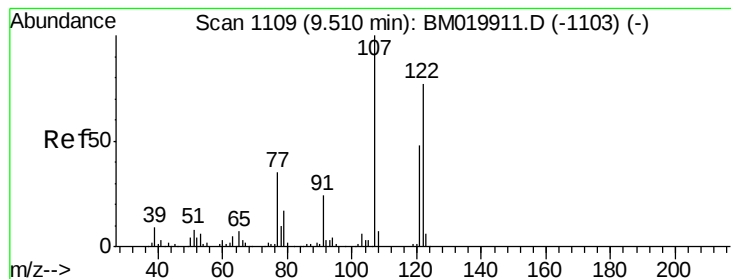


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BM0

9.42



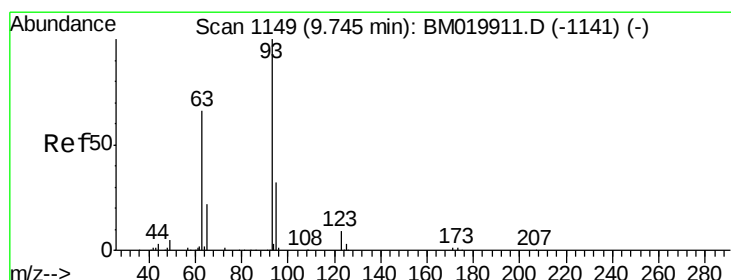
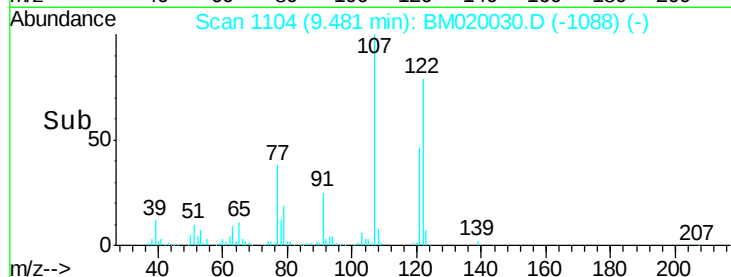
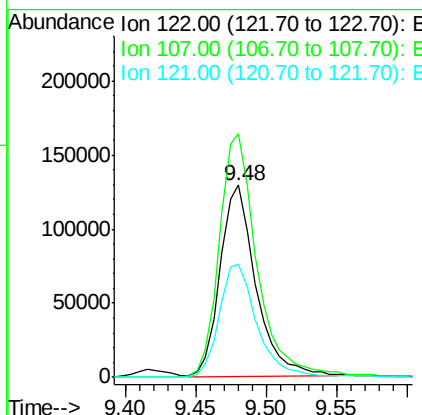
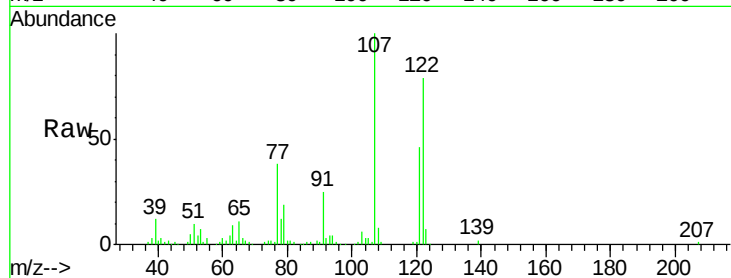
Time-->



#27  
2,4-Dimethylphenol  
Concen: 45.188 ng  
RT: 9.48 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

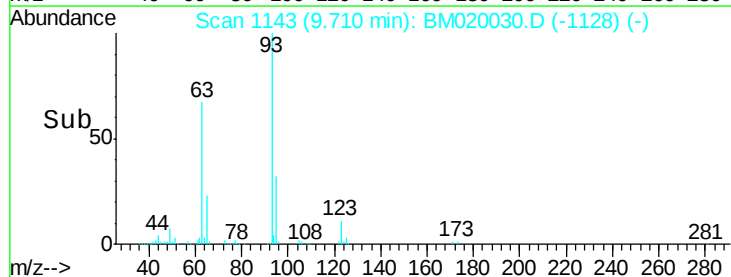
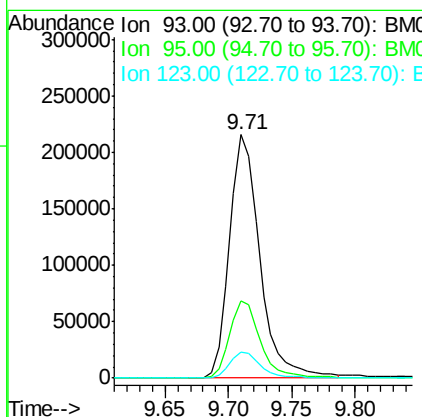
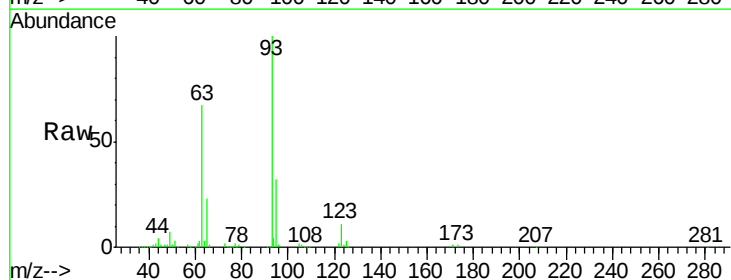
Instrument :  
BNA\_M  
ClientSampleId :

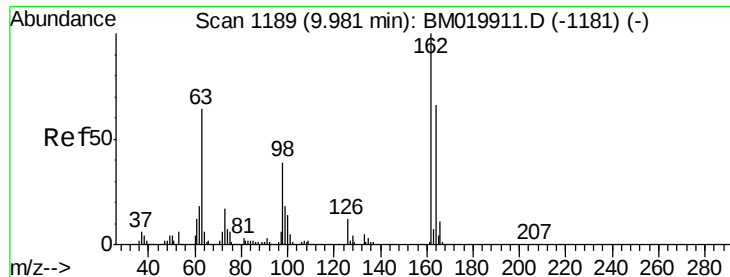
Tot Ion:122 Resp: 227683  
Ion Ratio Lower Upper  
122 100  
107 126.9 103.1 154.7  
121 58.9 49.8 74.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.812 ng  
RT: 9.71 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Tgt Ion: 93 Resp: 359102  
Ion Ratio Lower Upper  
93 100  
95 31.9 25.8 38.8  
123 10.5 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 38.076 ng

RT: 9.96 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

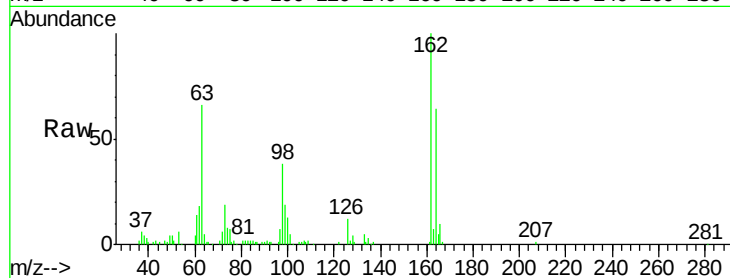
Tot Ion:162 Resp: 217885

Ion Ratio Lower Upper

162 100

164 63.9 46.3 86.3

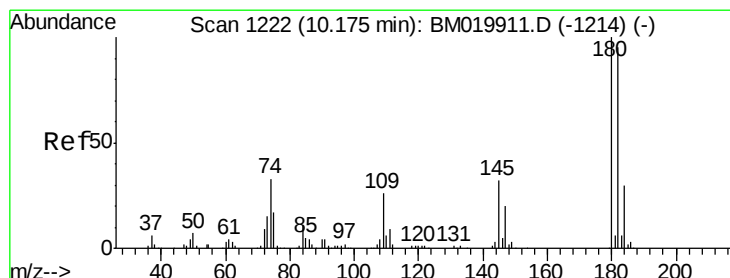
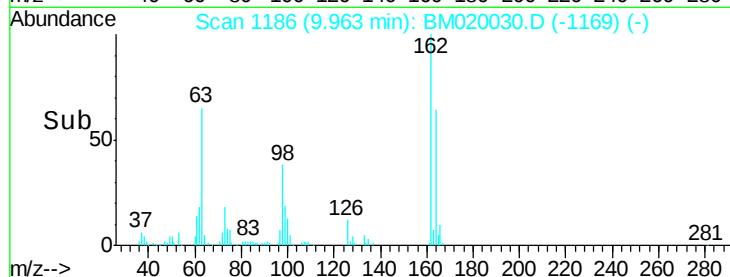
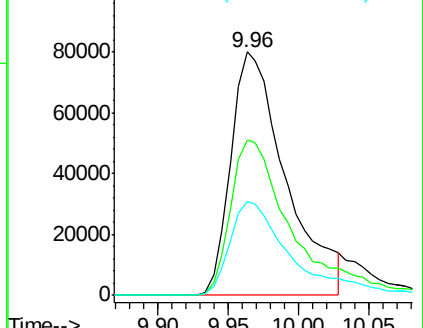
98 38.5 19.2 59.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 43.041 ng

RT: 10.14 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

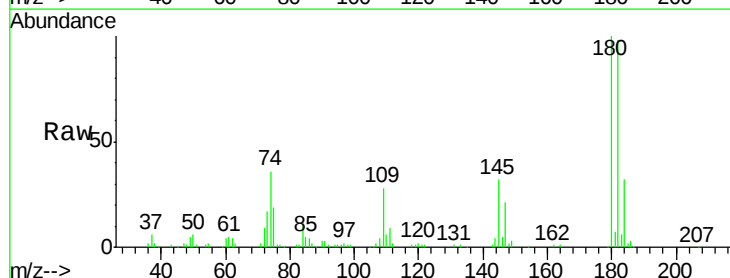
Tgt Ion:180 Resp: 265091

Ion Ratio Lower Upper

180 100

182 98.1 76.3 114.5

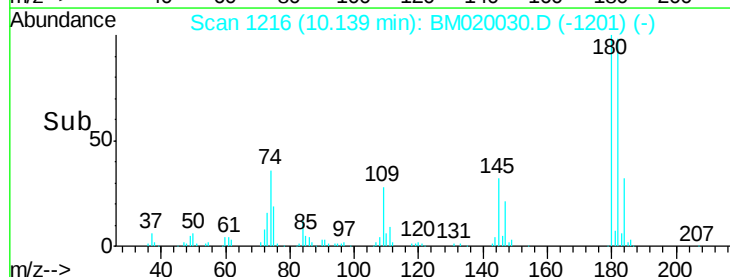
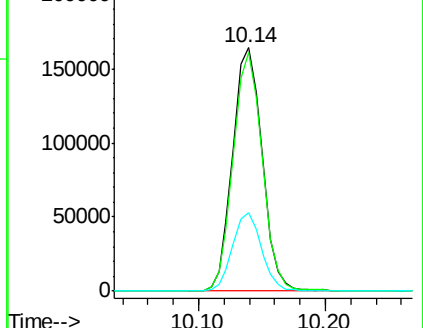
145 32.0 25.5 38.3

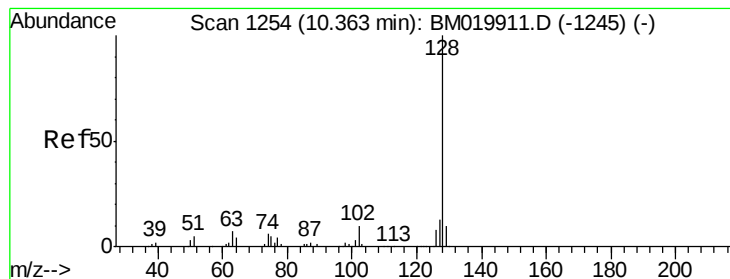


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.562 ng

RT: 10.32 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

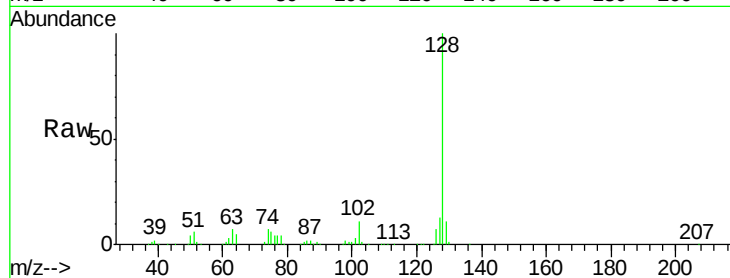
Tot Ion:128 Resp: 804767

Ion Ratio Lower Upper

128 100

129 11.1 8.3 12.5

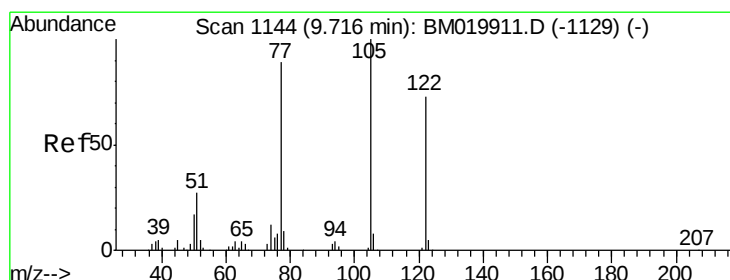
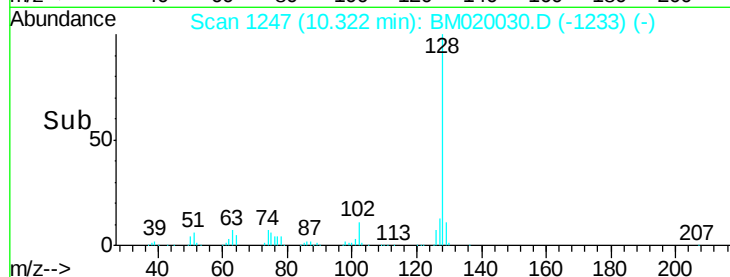
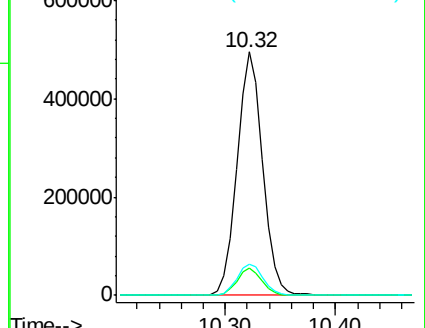
127 12.8 10.4 15.6



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: 5.905 ng

RT: 9.68 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

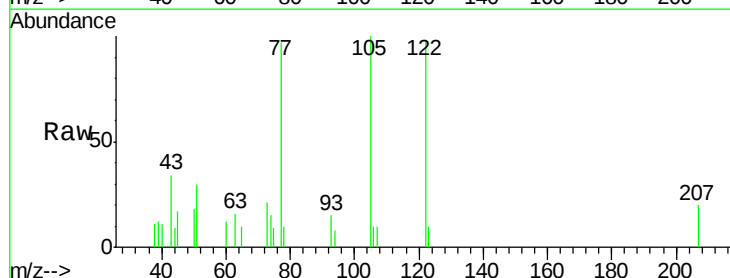
Tgt Ion:122 Resp: 4411

Ion Ratio Lower Upper

122 100

105 102.1 114.8 154.8#

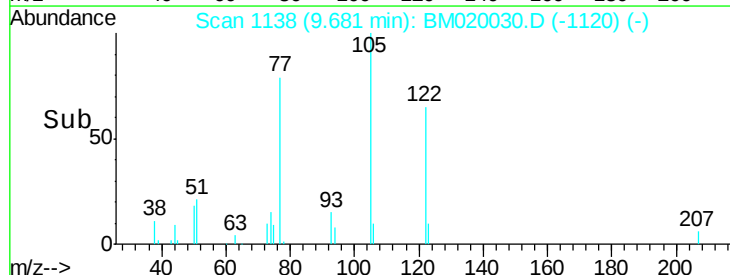
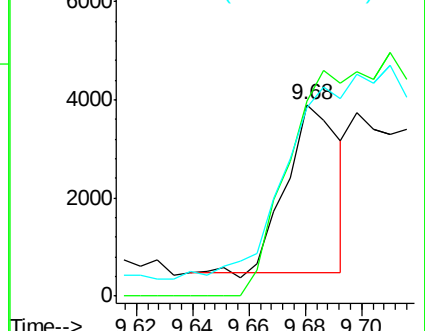
77 98.9 100.2 140.2#

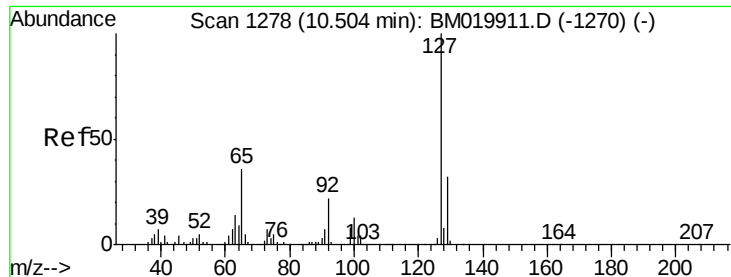


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

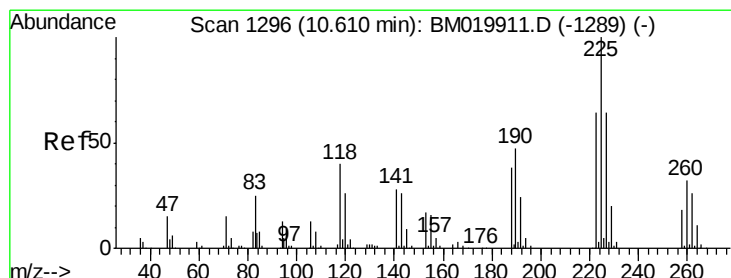
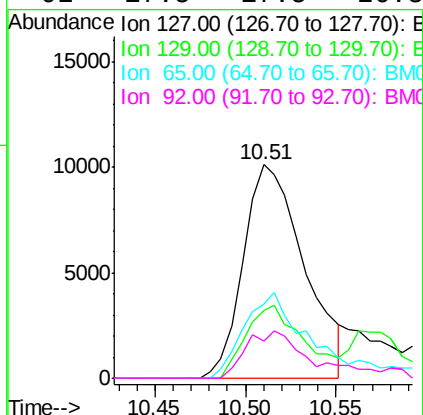
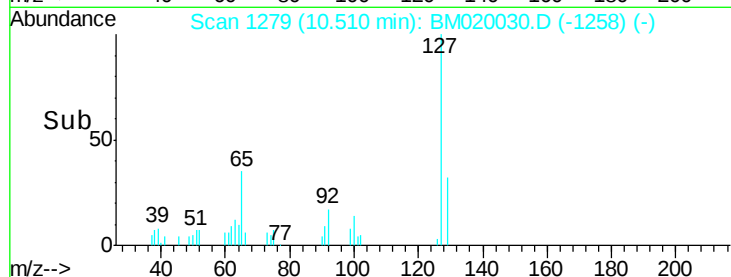
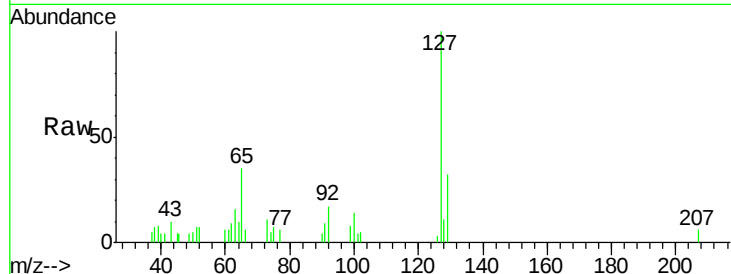




#33  
4-Chloroaniline  
Concen: 2.971 ng  
RT: 10.51 min Scan# 1279  
Delta R.T. 0.02 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

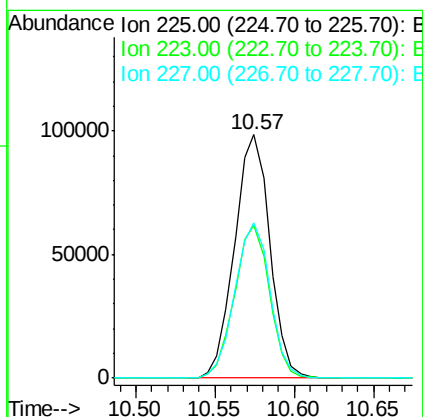
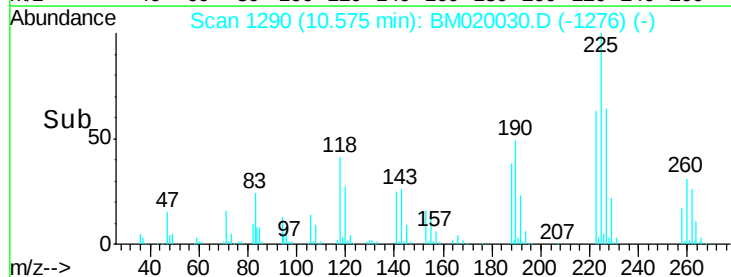
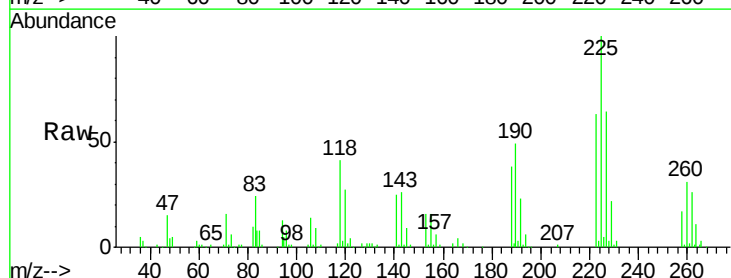
Instrument :  
BNA\_M  
ClientSampleId :

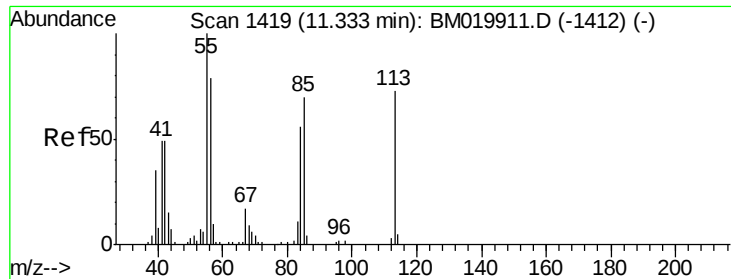
|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 23695      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 32.1  | 25.4 38.0  |
| 65          | 34.9  | 29.2 43.8  |
| 92          | 17.5  | 17.5 26.3# |



#34  
Hexachlorobutadiene  
Concen: 41.846 ng  
RT: 10.57 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 152006    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.0  | 51.4 77.2 |
| 227         | 63.7  | 51.0 76.6 |





#35

Caprolactam

Concen: 15.480 ng

RT: 11.33 min Scan# 1419

Delta R.T. 0.03 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

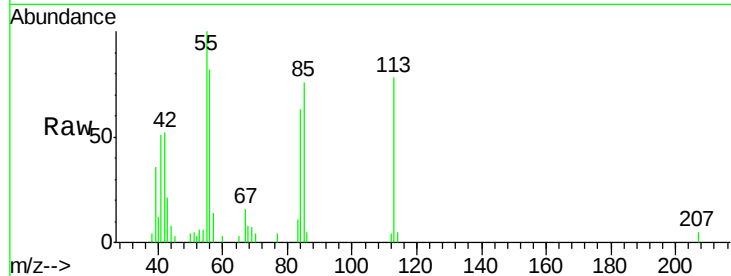
Tot Ion:113 Resp: 33531

Ion Ratio Lower Upper

113 100

55 128.6 117.1 157.1

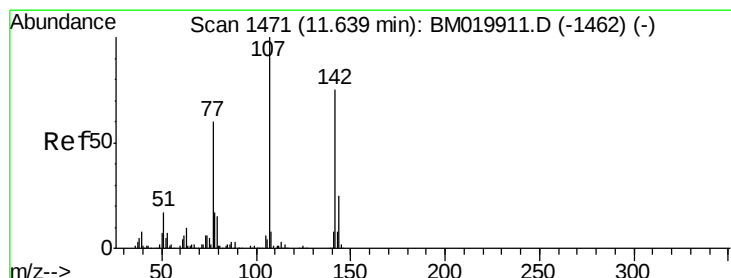
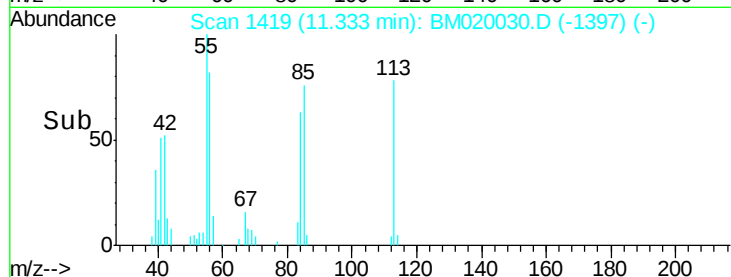
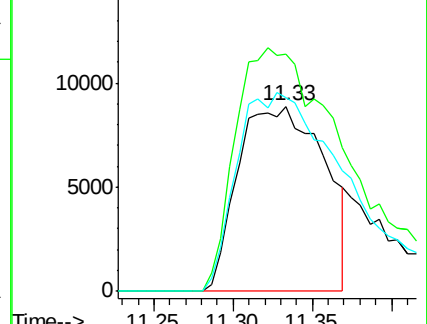
56 105.0 88.2 128.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 36.549 ng

RT: 11.60 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

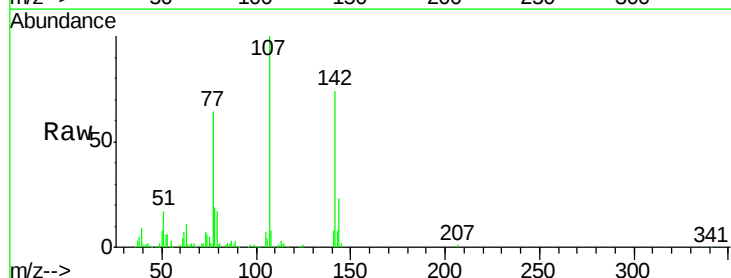
Tgt Ion:107 Resp: 259874

Ion Ratio Lower Upper

107 100

144 23.3 19.8 29.8

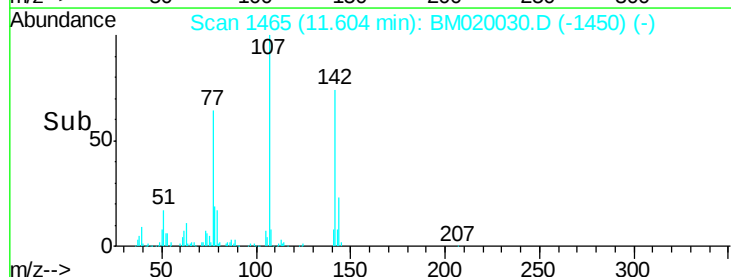
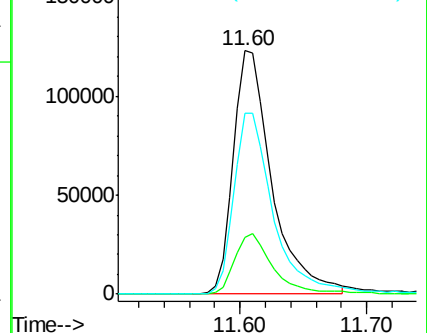
142 74.3 60.3 90.5

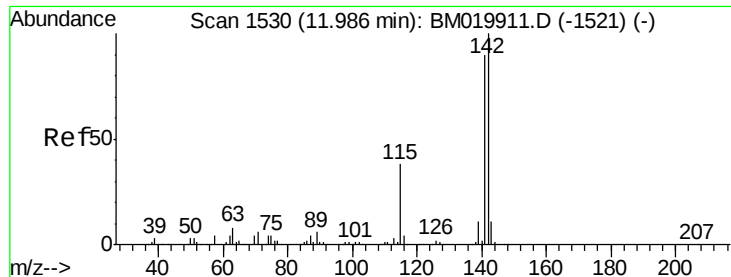


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

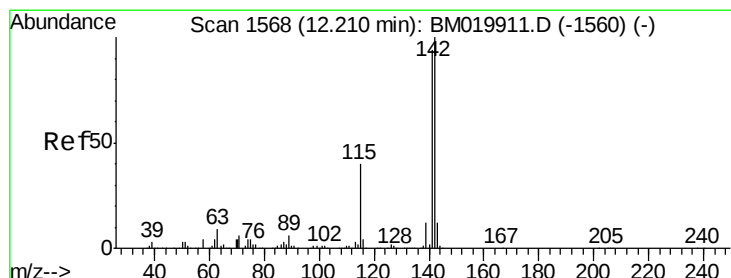
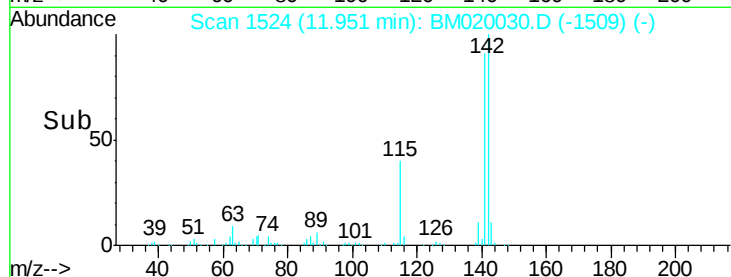
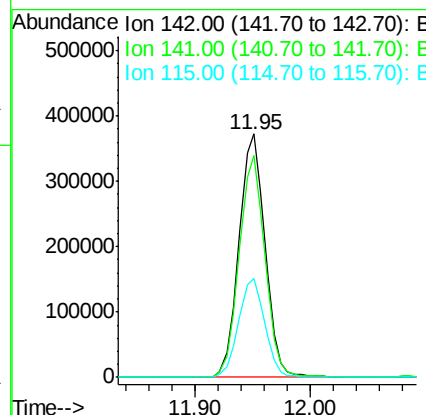
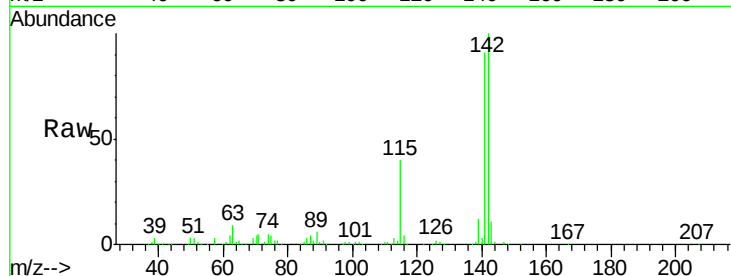




#37  
 2-Methylnaphthalene  
 Concen: 41.560 ng  
 RT: 11.95 min Scan# 1524  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

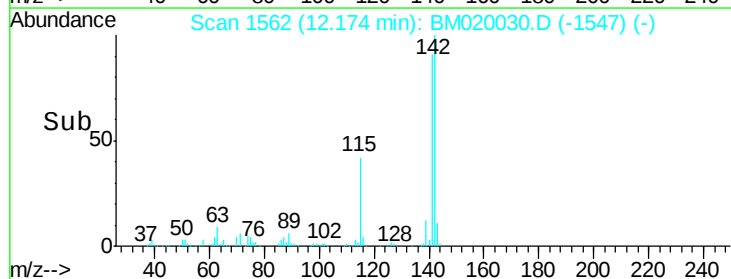
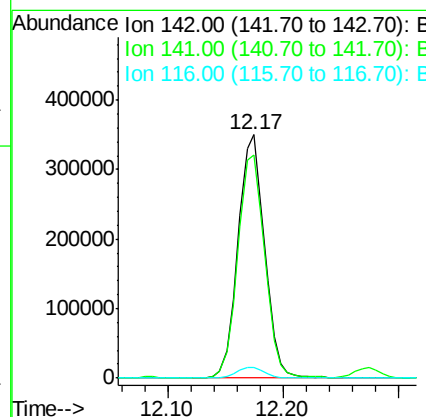
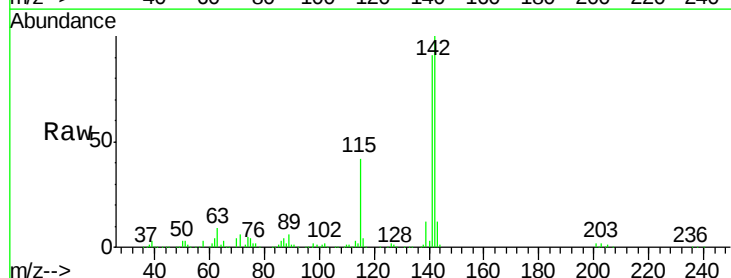
Instrument :  
 BNA\_M  
 ClientSampled :

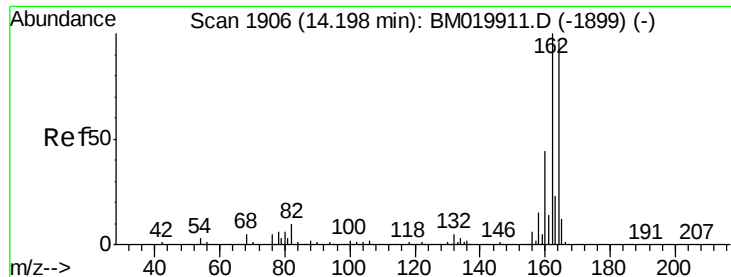
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.1  | 72.3  | 108.5 |
| 115     | 40.4  | 30.5  | 45.7  |



#38  
 1-Methylnaphthalene  
 Concen: 39.741 ng  
 RT: 12.17 min Scan# 1562  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.5  | 75.7  | 113.5 |
| 116     | 4.3   | 3.4   | 5.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

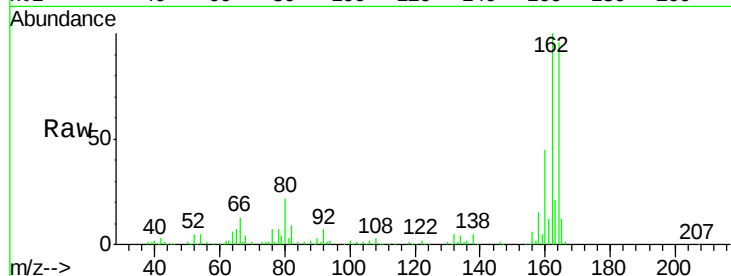
Tot Ion:164 Resp: 187649

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

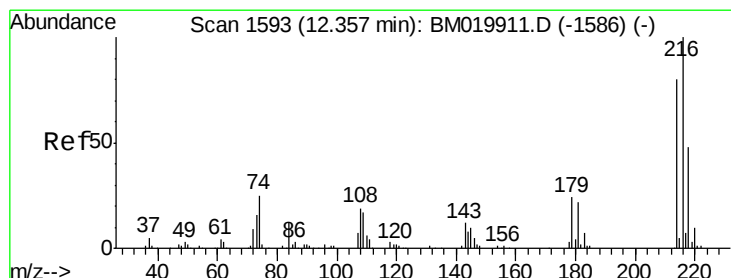
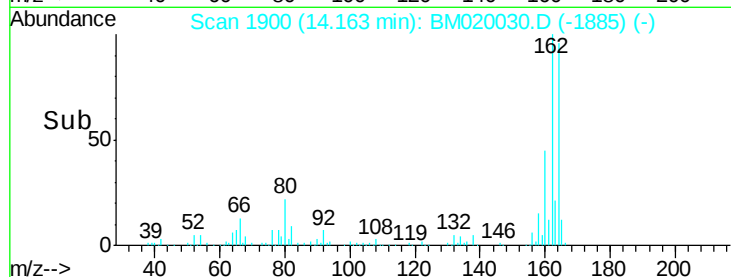
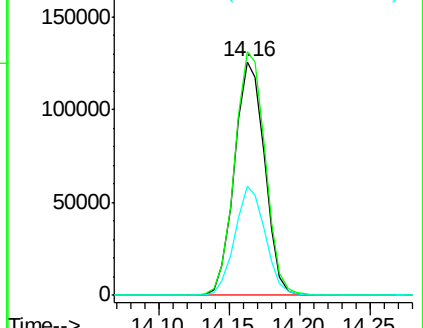
160 46.6 36.6 55.0



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.872 ng

RT: 12.32 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Tgt Ion:216 Resp: 282915

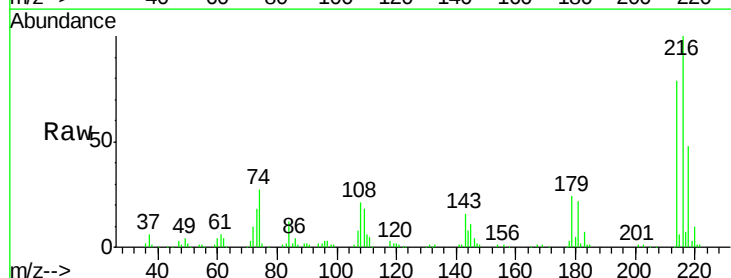
Ion Ratio Lower Upper

216 100

214 80.1 63.1 94.7

179 23.3 19.0 28.6

108 20.8 16.3 24.5

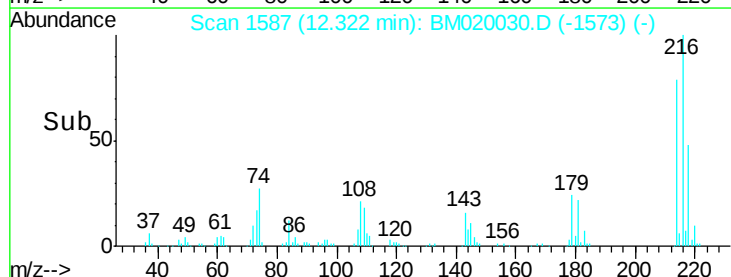
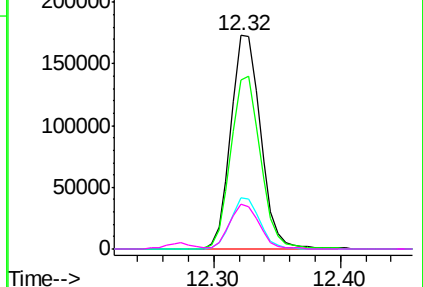


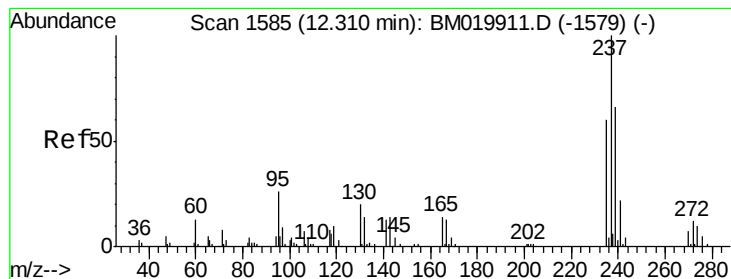
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 76.278 ng

RT: 12.27 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

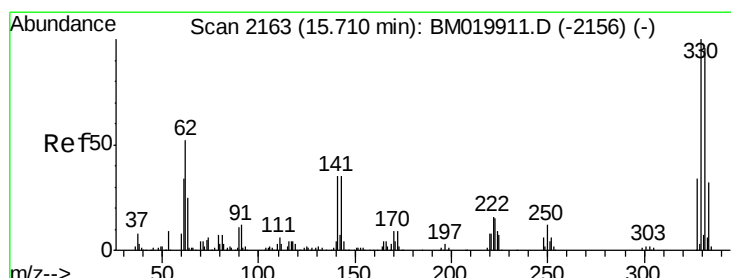
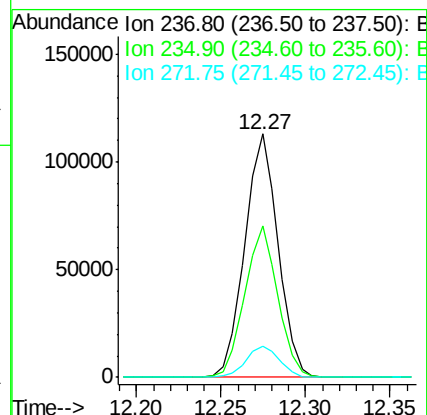
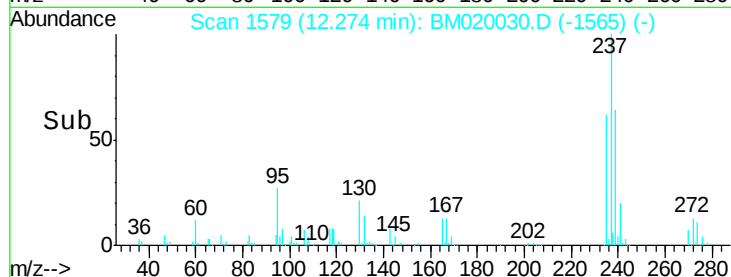
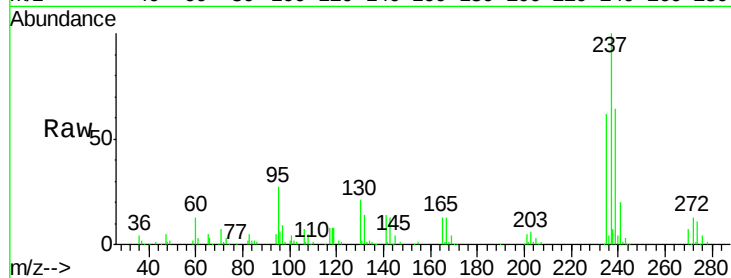
Tot Ion:237 Resp: 155028

Ion Ratio Lower Upper

237 100

235 62.2 40.4 80.4

272 12.7 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 127.252 ng

RT: 15.68 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

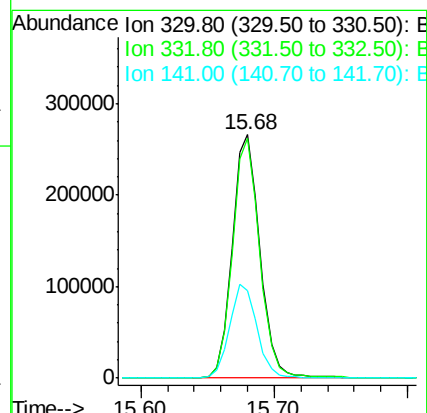
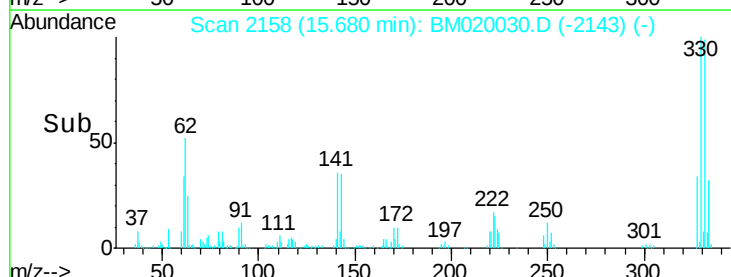
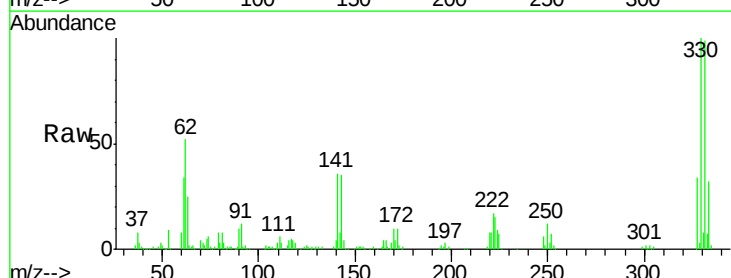
Tgt Ion:330 Resp: 384381

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

141 38.8 29.0 43.4

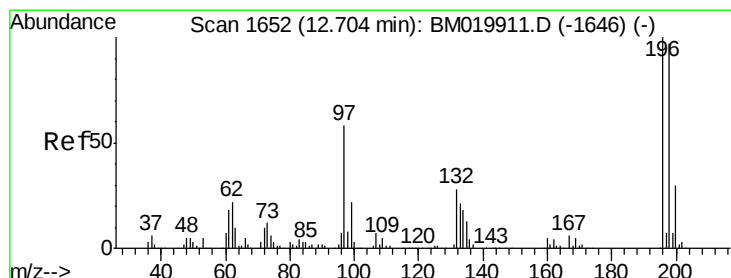
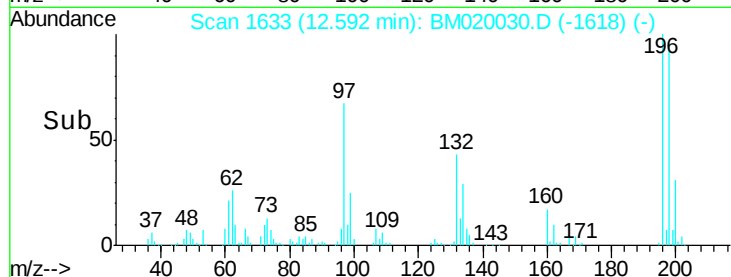
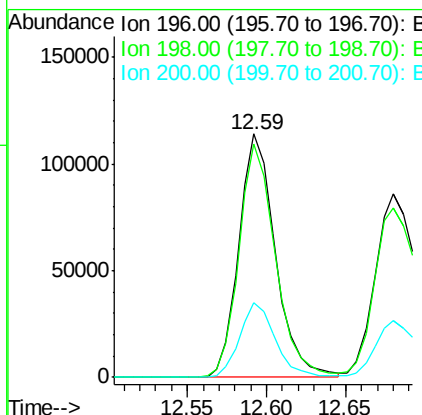
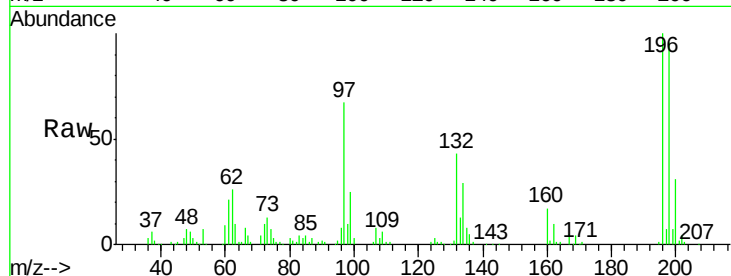




#43  
 2,4,6-Trichlorophenol  
 Concen: 46.571 ng  
 RT: 12.59 min Scan# 1633  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

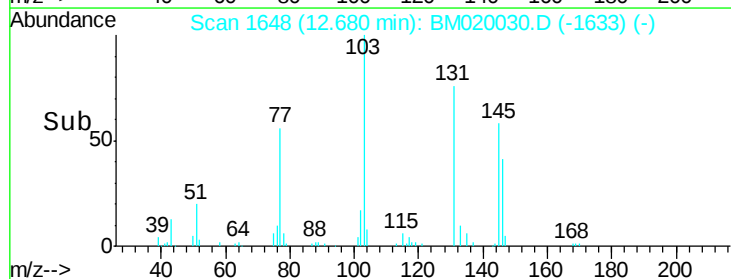
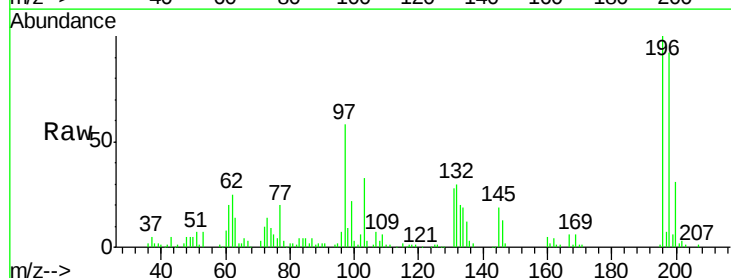
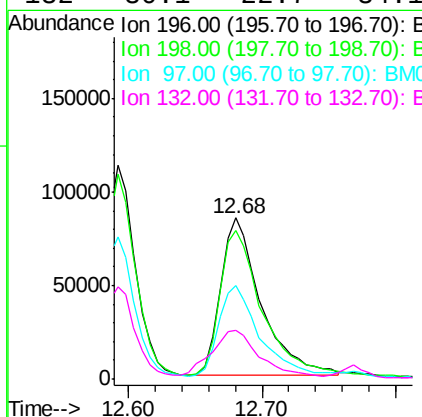
Instrument :  
 BNA\_M  
 ClientSampled :

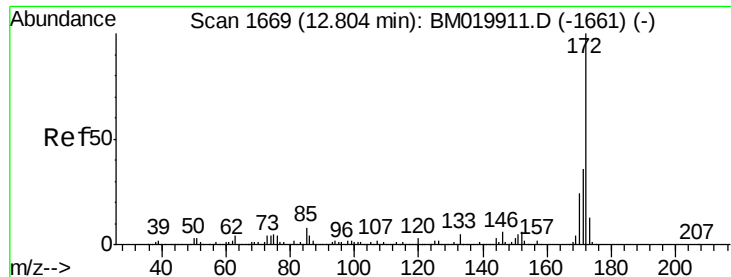
Tot Ion:196 Resp: 182775  
 Ion Ratio Lower Upper  
 196 100  
 198 95.9 76.8 115.2  
 200 30.5 24.6 37.0



#44  
 2,4,5-Trichlorophenol  
 Concen: 43.195 ng  
 RT: 12.68 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:196 Resp: 176442  
 Ion Ratio Lower Upper  
 196 100  
 198 92.1 77.8 116.8  
 97 57.7 46.2 69.2  
 132 30.1 22.7 34.1



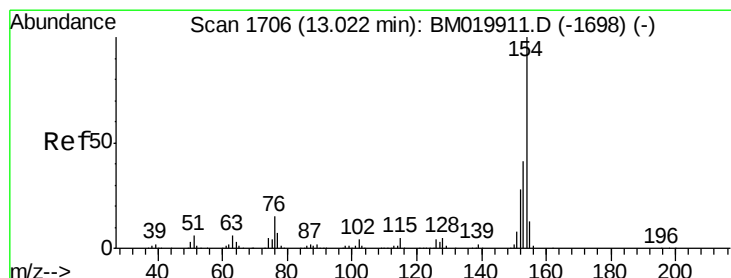
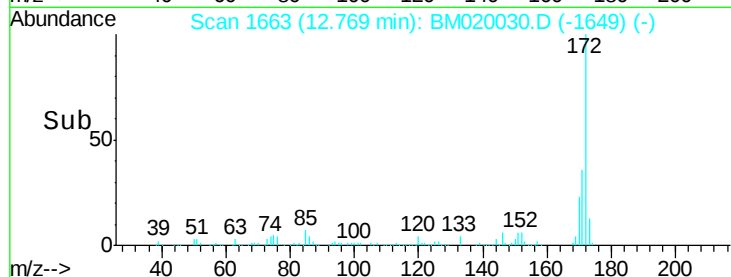
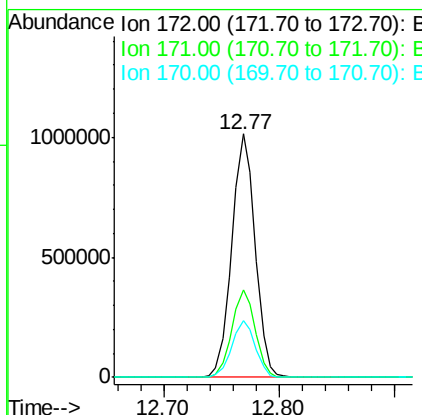
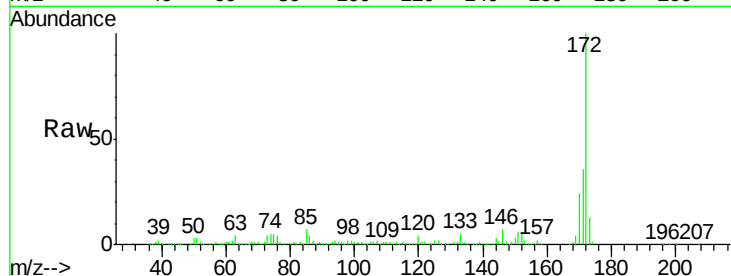


#45  
 2-Fluorobiphenyl  
 Concen: 93.949 ng  
 RT: 12.77 min Scan# 1663  
 Delta R.T. -0.02 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:172 Resp: 1414616  

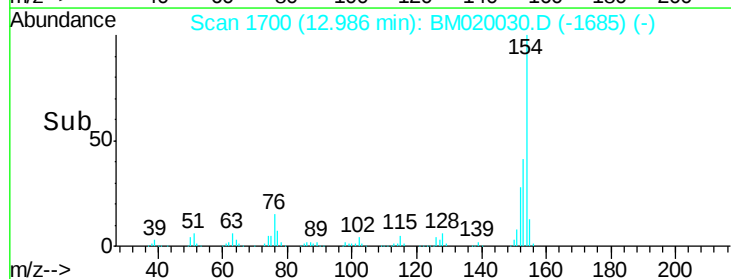
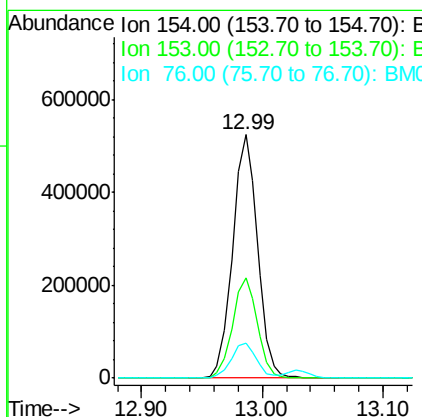
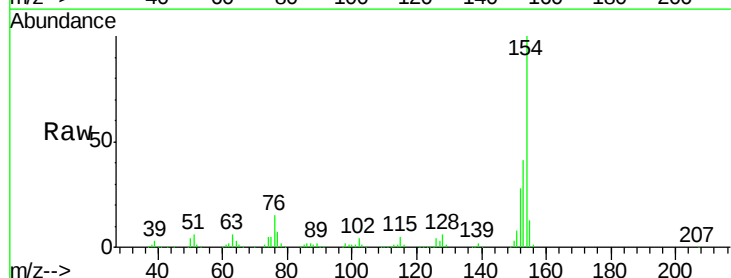
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 28.9  | 43.3  |
| 170 | 23.5  | 19.0  | 28.4  |

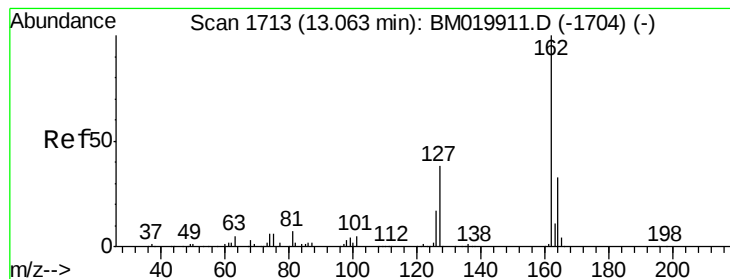


#46  
 1,1'-Biphenyl  
 Concen: 46.373 ng  
 RT: 12.99 min Scan# 1700  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:154 Resp: 753690  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.3  | 21.0  | 61.0  |
| 76  | 14.5  | 0.0   | 34.8  |

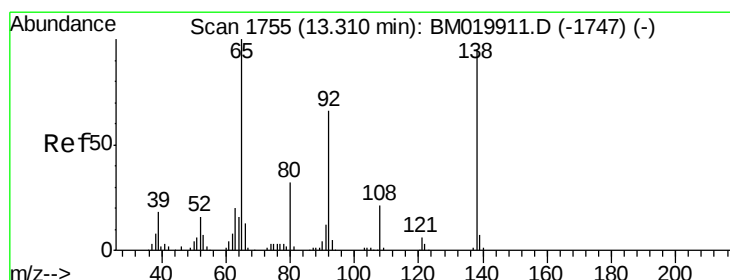
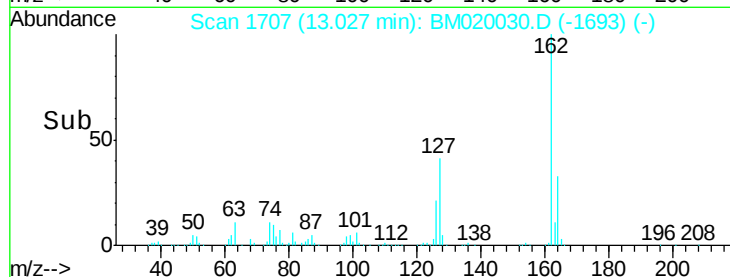
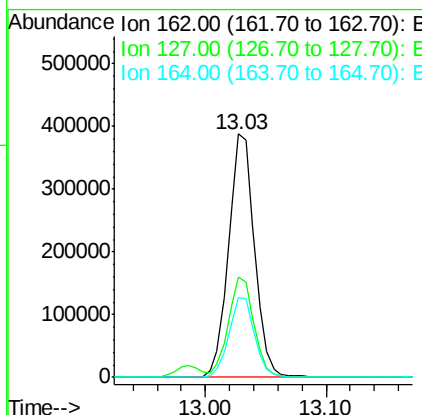
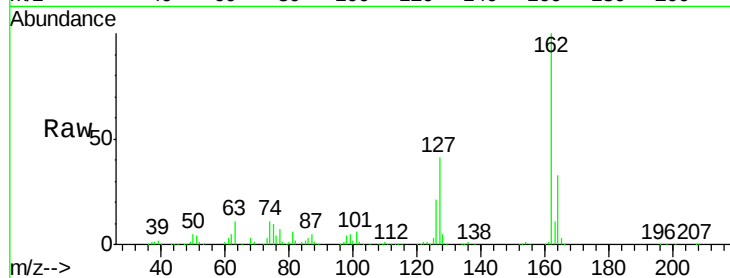




#47  
 2-Chloronaphthalene  
 Concen: 46.926 ng  
 RT: 13.03 min Scan# 1707  
 Delta R.T. -0.02 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

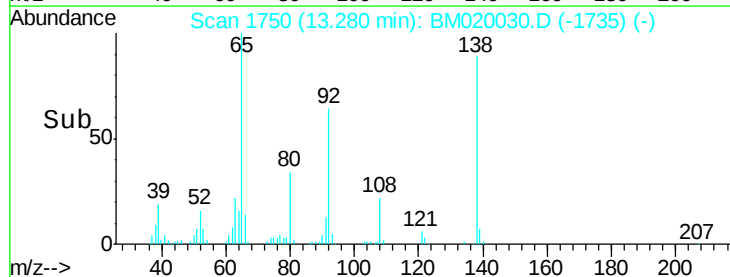
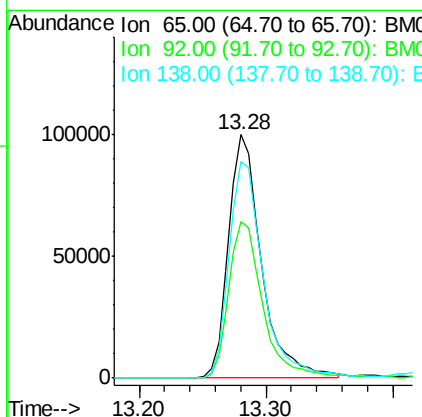
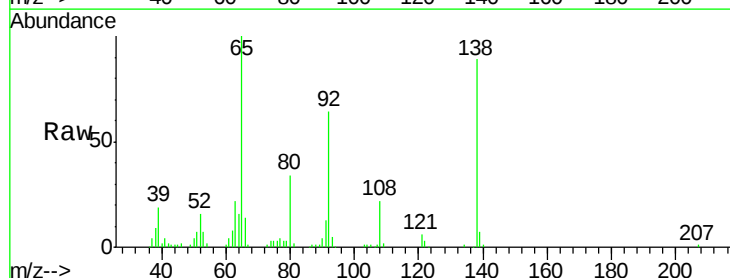
Instrument :  
 BNA\_M  
 ClientSampleId :

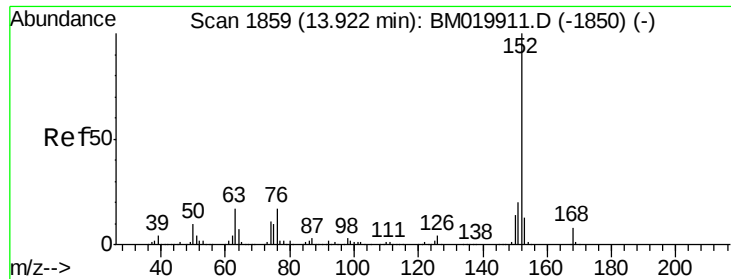
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.1  | 32.3  | 48.5  |
| 164     | 32.7  | 26.3  | 39.5  |



#48  
 2-Nitroaniline  
 Concen: 40.429 ng  
 RT: 13.28 min Scan# 1750  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.2  | 52.9  | 79.3  |
| 138     | 89.1  | 75.8  | 113.6 |





#49

Acenaphthylene

Concen: 42.255 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

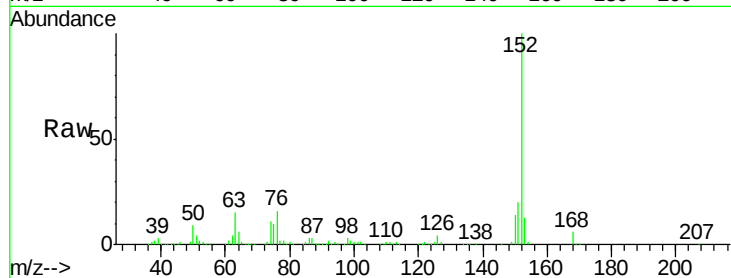
Tot Ion:152 Resp: 911454

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

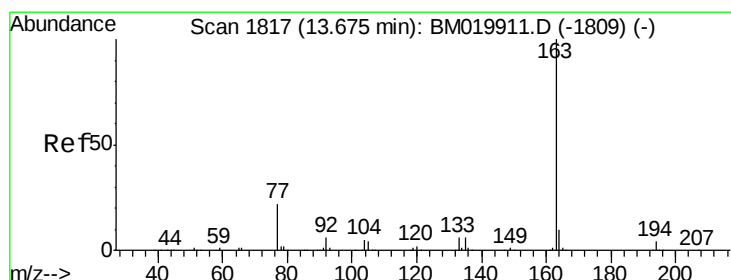
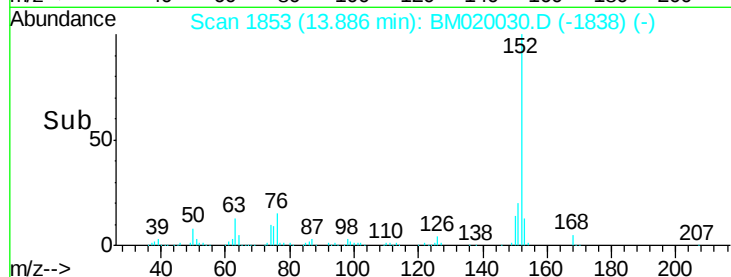
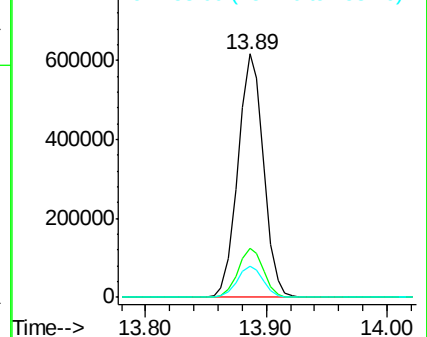
153 13.0 10.6 16.0



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



#50

Dimethylphthalate

Concen: 43.746 ng

RT: 13.64 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

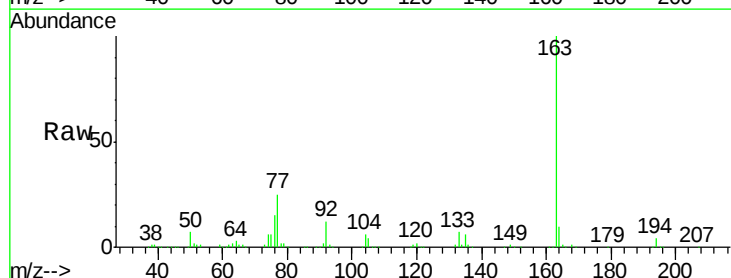
Tgt Ion:163 Resp: 724074

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

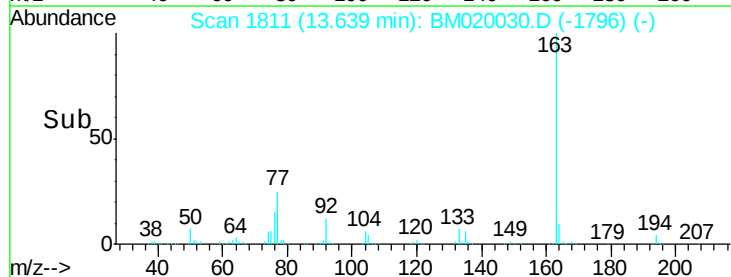
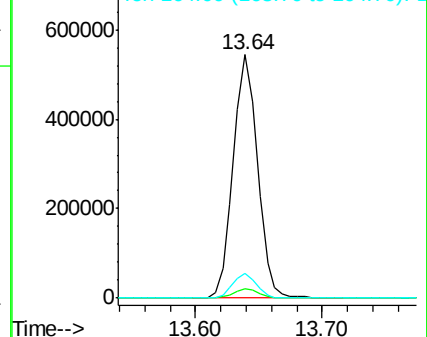
164 9.9 7.9 11.9

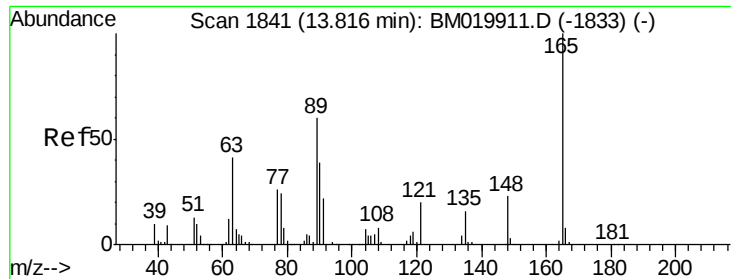


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 42.734 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

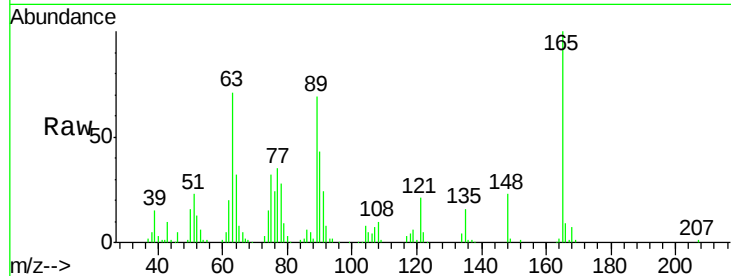
Tot Ion:165 Resp: 156409

Ion Ratio Lower Upper

165 100

63 71.3 48.5 72.7

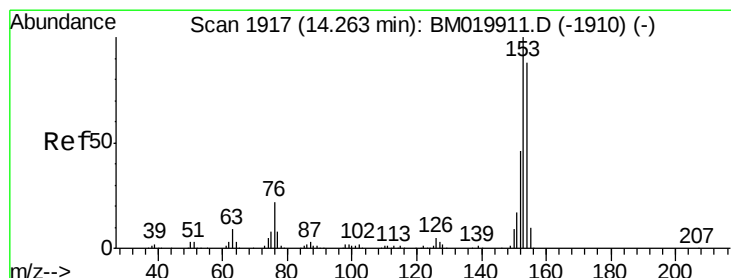
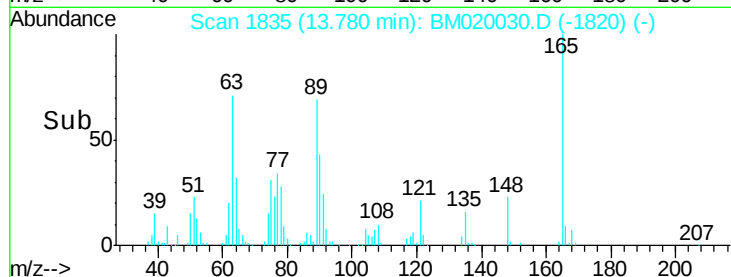
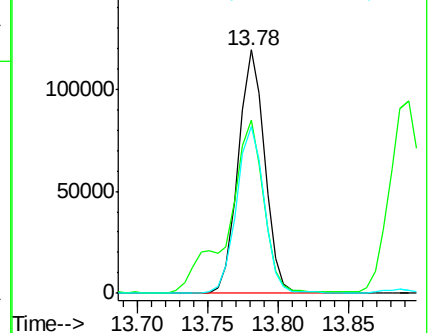
89 68.7 48.2 72.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 44.666 ng

RT: 14.23 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

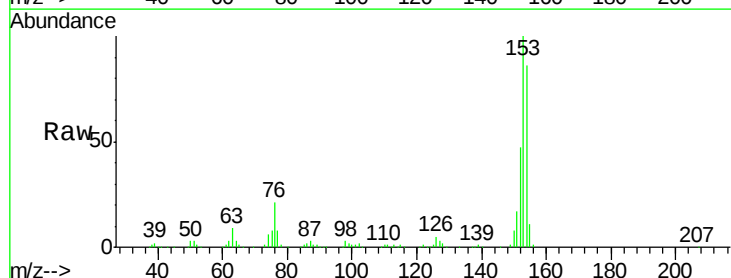
Tgt Ion:154 Resp: 534199

Ion Ratio Lower Upper

154 100

153 115.7 91.0 136.4

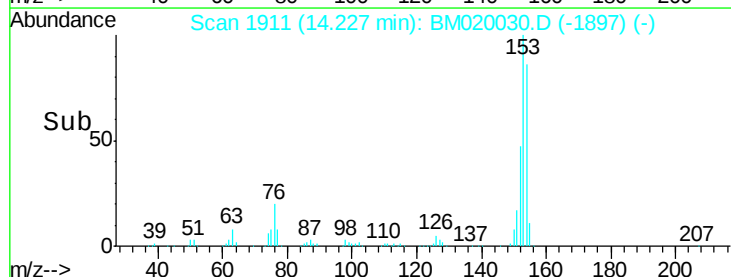
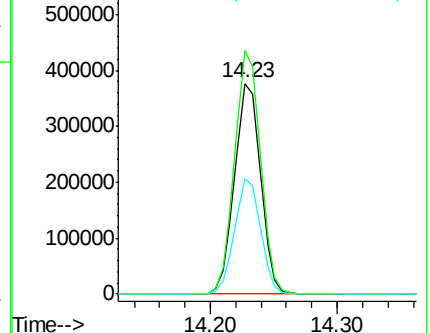
152 54.7 42.2 63.2

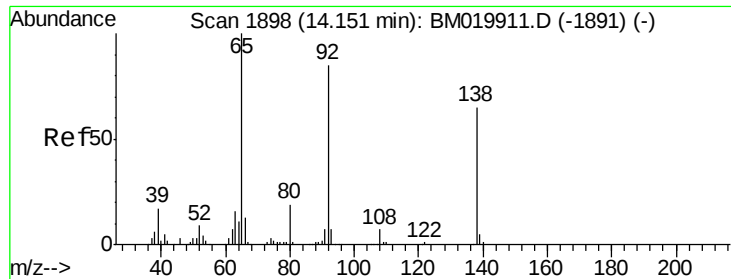


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

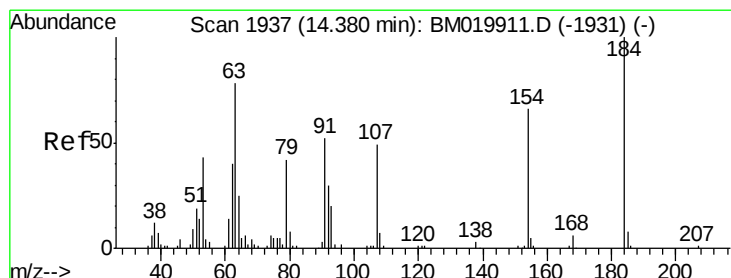
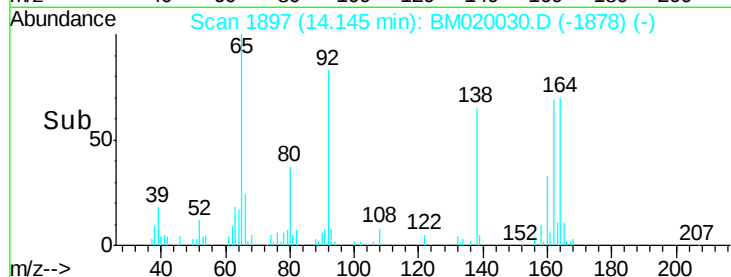
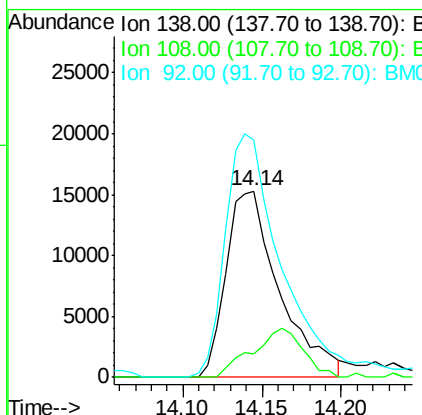
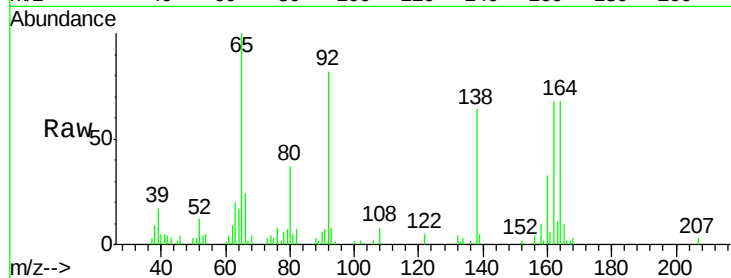




#53  
 3-Nitroaniline  
 Concen: 9.760 ng  
 RT: 14.14 min Scan# 1897  
 Delta R.T. 0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

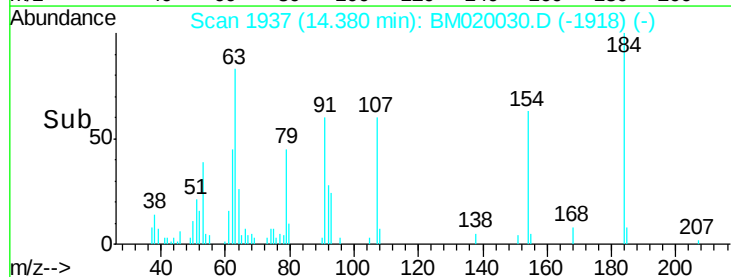
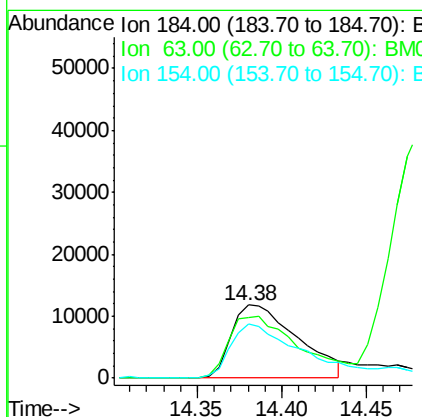
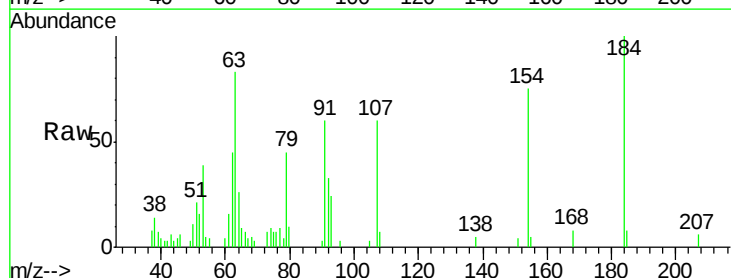
Instrument :  
 BNA\_M  
 ClientSampleId :

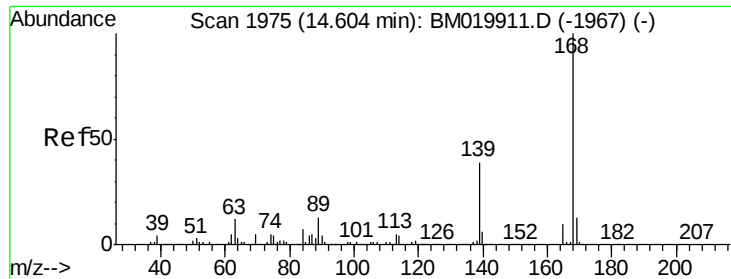
Tot Ion:138 Resp: 35670  
 Ion Ratio Lower Upper  
 138 100  
 108 12.4 8.9 13.3  
 92 127.3 103.8 155.8



#54  
 2,4-Dinitrophenol  
 Concen: 20.878 ng  
 RT: 14.38 min Scan# 1937  
 Delta R.T. 0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:184 Resp: 32306  
 Ion Ratio Lower Upper  
 184 100  
 63 83.0 62.3 93.5  
 154 74.5 53.0 79.6

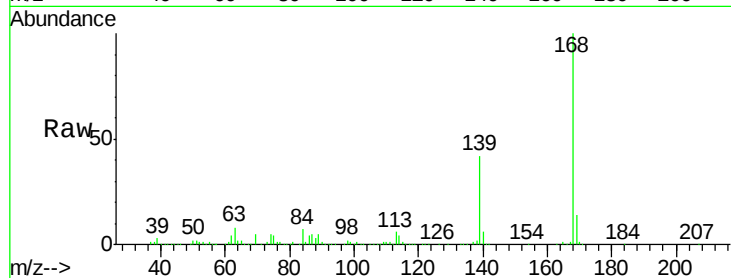




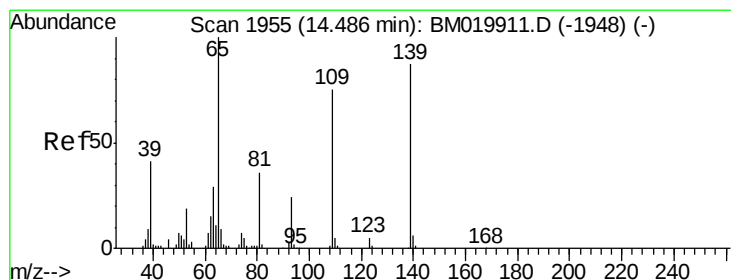
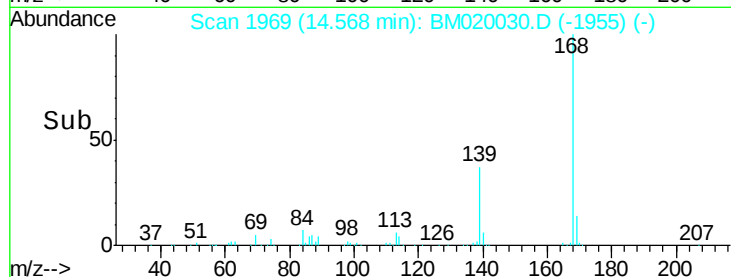
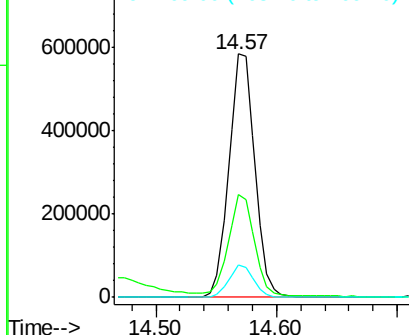
#55  
Dibenzofuran  
Concen: 44.677 ng  
RT: 14.57 min Scan# 1969  
Delta R.T. -0.02 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 42.3  | 31.5  | 47.3  |
| 169     | 13.6  | 10.6  | 16.0  |

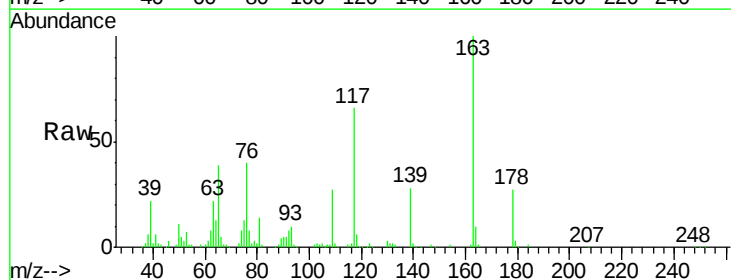


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

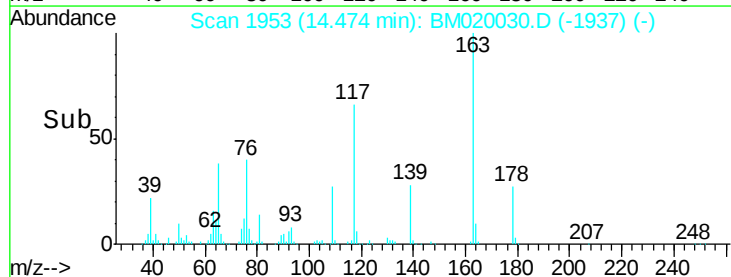
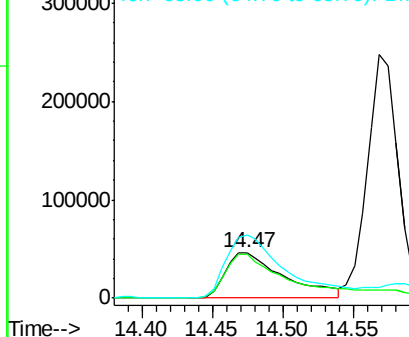


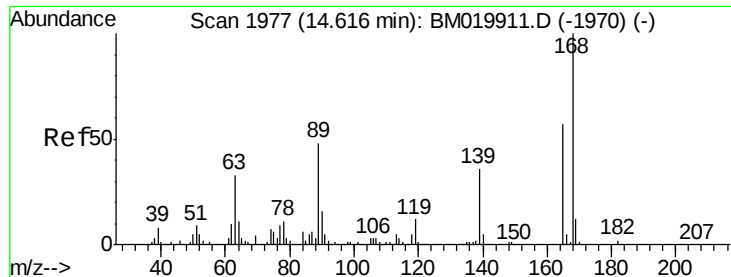
#56  
4-Nitrophenol  
Concen: 49.037 ng  
RT: 14.47 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 96.5  | 65.3  | 105.3  |
| 65      | 139.3 | 94.9  | 134.9# |



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): BM0

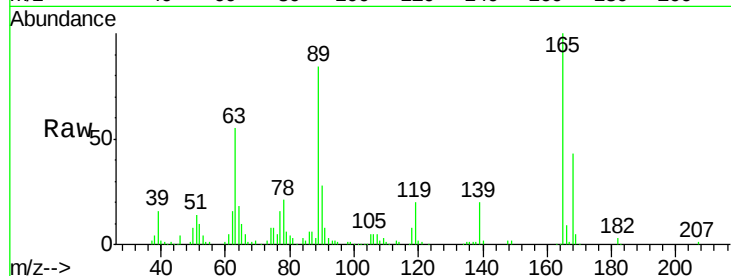




#57  
 2,4-Dinitrotoluene  
 Concen: 40.287 ng  
 RT: 14.59 min Scan# 1973  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 54.5  | 46.0  | 69.0  |
| 89      | 84.0  | 67.5  | 101.3 |
| 182     | 3.0   | 2.4   | 3.6   |

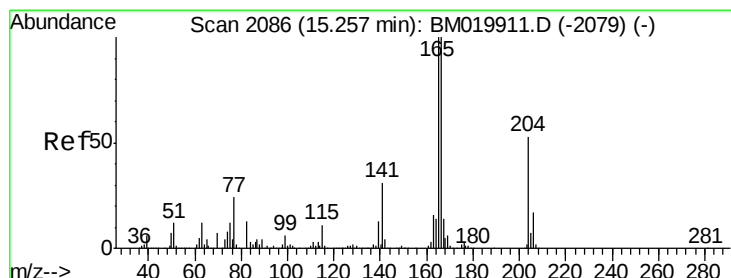
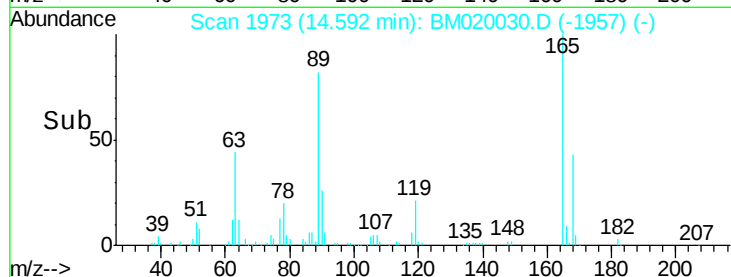
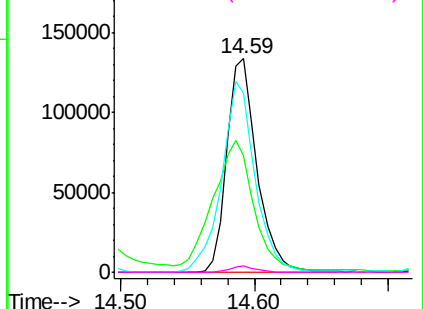


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

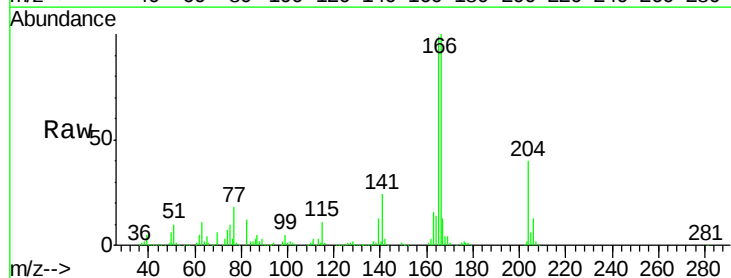
Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58  
 Fluorene  
 Concen: 42.156 ng  
 RT: 15.23 min Scan# 2081  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

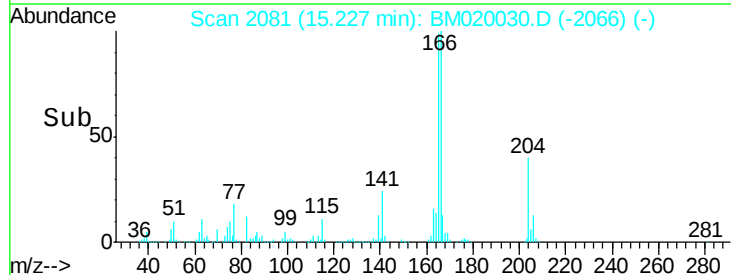
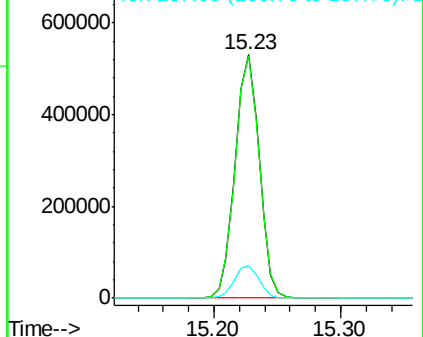
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.4  | 80.1  | 120.1 |
| 167     | 13.3  | 11.0  | 16.4  |



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

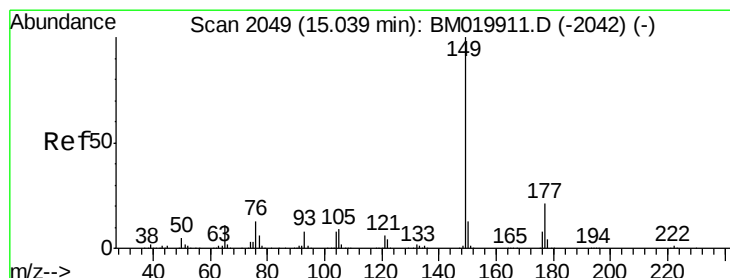
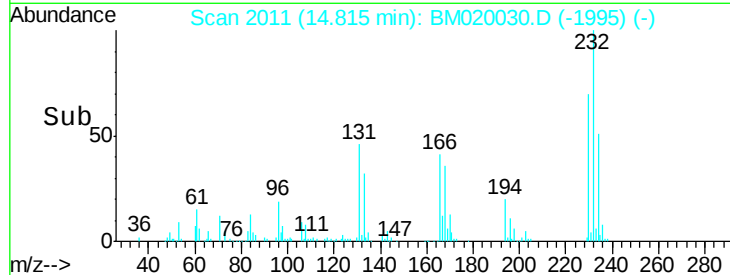
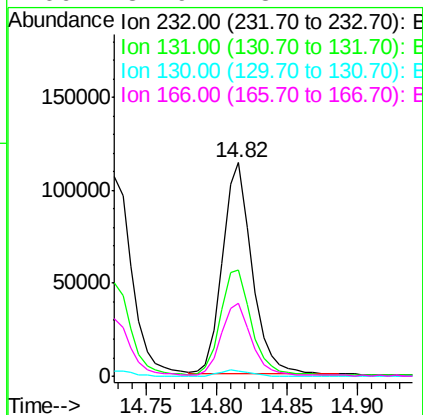
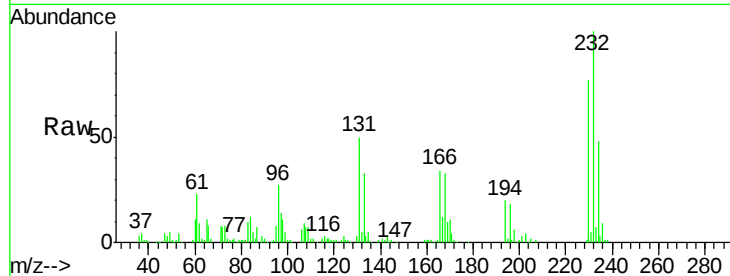




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.178 ng  
 RT: 14.82 min Scan# 2011  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

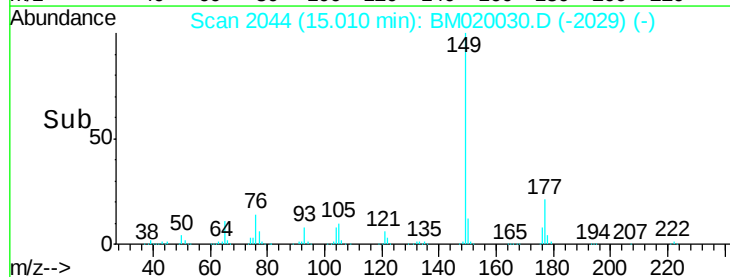
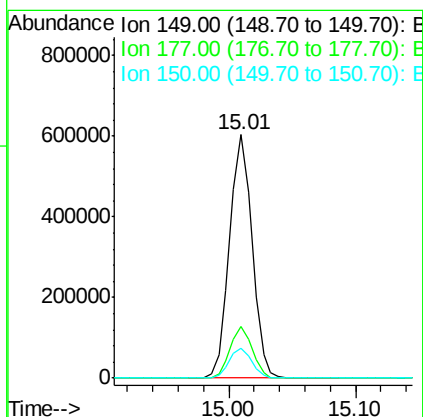
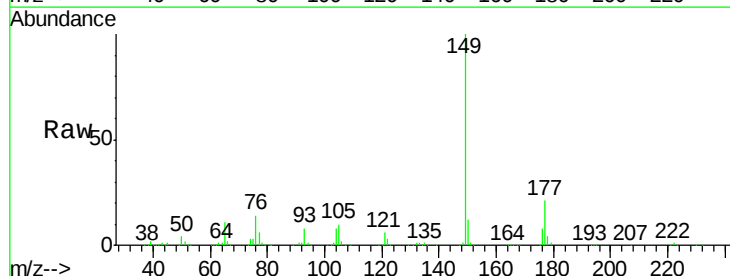
Instrument :  
 BNA\_M  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:232 | Resp: | 164657    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 52.4  | 42.1 63.1 |
| 130         | 2.9   | 2.2 3.4   |
| 166         | 34.9  | 28.1 42.1 |



#60  
 Diethylphthalate  
 Concen: 43.228 ng  
 RT: 15.01 min Scan# 2044  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 744143    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 21.0  | 16.6 25.0 |
| 150         | 12.5  | 10.0 15.0 |

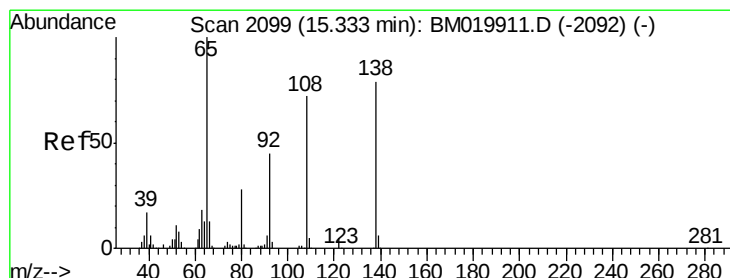
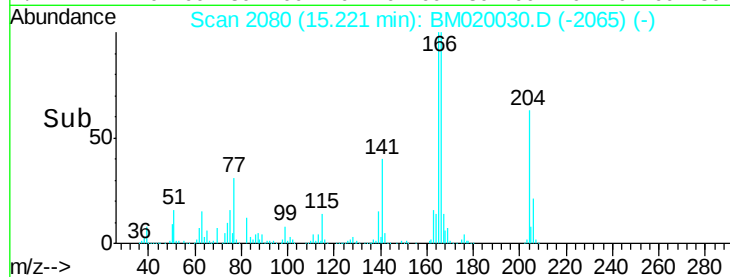
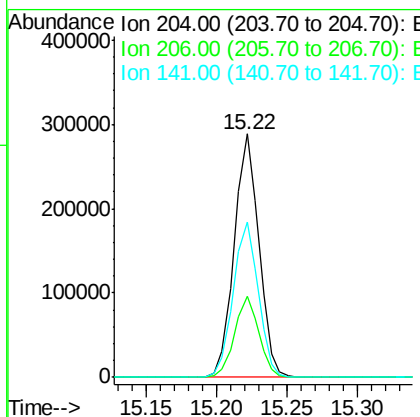
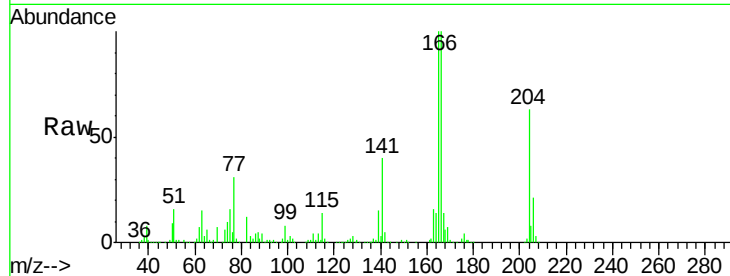




#61  
 4-Chlorophenyl-phenylether  
 Concen: 44.166 ng  
 RT: 15.22 min Scan# 2080  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

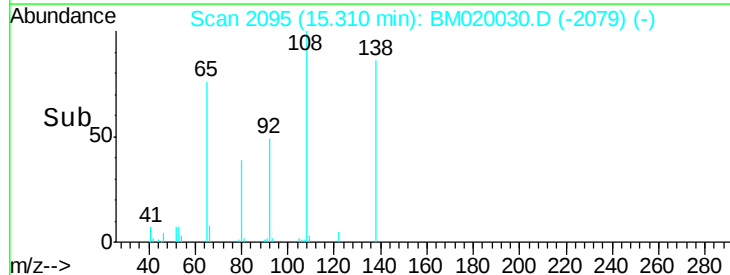
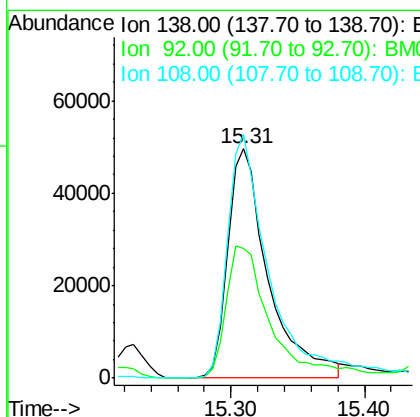
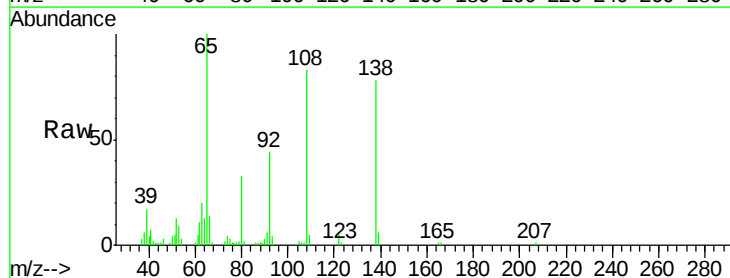
Instrument :  
 BNA\_M  
 ClientSampleId :

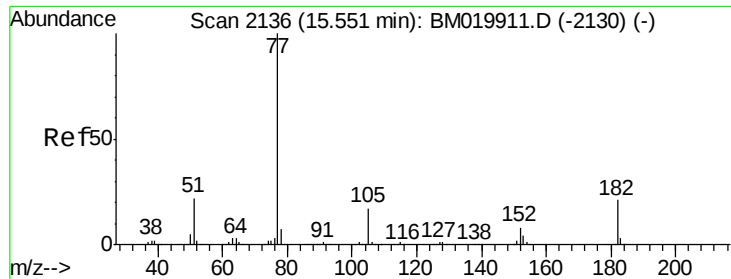
Tot Ion:204 Resp: 352391  
 Ion Ratio Lower Upper  
 204 100  
 206 33.0 25.8 38.8  
 141 63.8 47.0 70.4



#62  
 4-Nitroaniline  
 Concen: 29.168 ng  
 RT: 15.31 min Scan# 2095  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:138 Resp: 105028  
 Ion Ratio Lower Upper  
 138 100  
 92 56.3 36.8 76.8  
 108 106.2 71.5 111.5

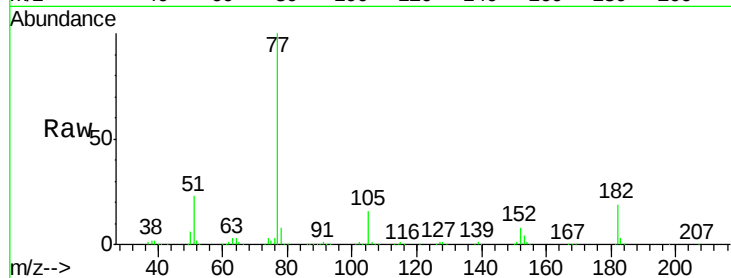




#63  
Azobenzene  
Concen: 44.272 ng  
RT: 15.52 min Scan# 2130  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 19.2  | 1.0   | 41.0  |
| 105     | 16.4  | 0.0   | 37.1  |
| 51      | 23.4  | 2.1   | 42.1  |

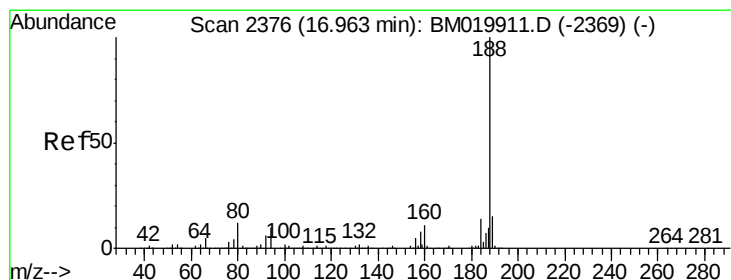
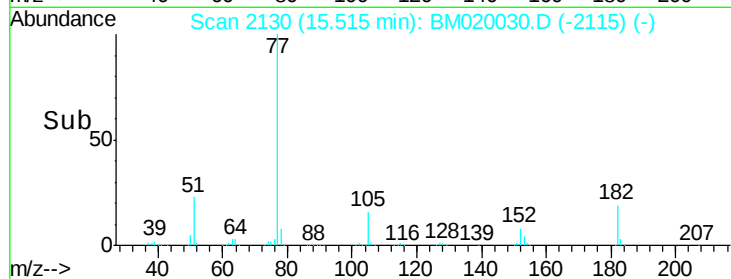
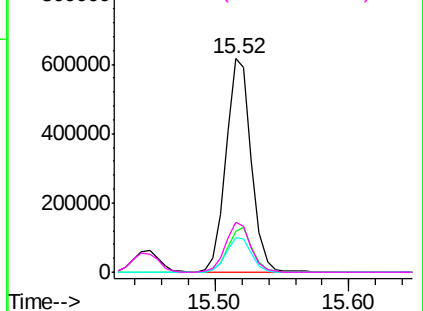


Abundance Ion 77.00 (76.70 to 77.70): BM020030.D (-2130) (-)

Ion 182.00 (181.70 to 182.70): BM020030.D (-2130) (-)

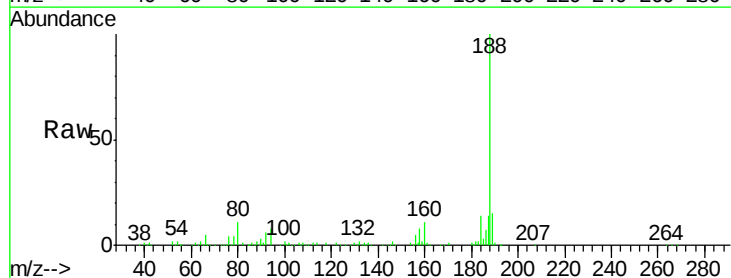
Ion 105.00 (104.70 to 105.70): BM020030.D (-2130) (-)

Ion 51.00 (50.70 to 51.70): BM020030.D (-2130) (-)



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.93 min Scan# 2371  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

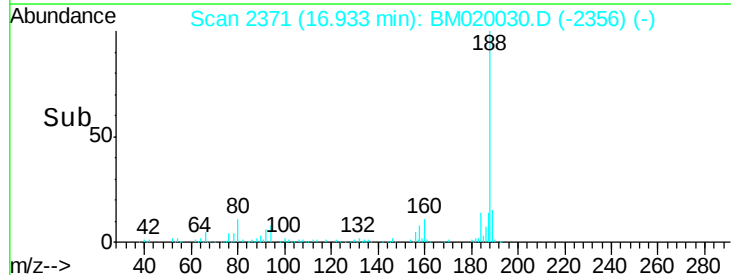
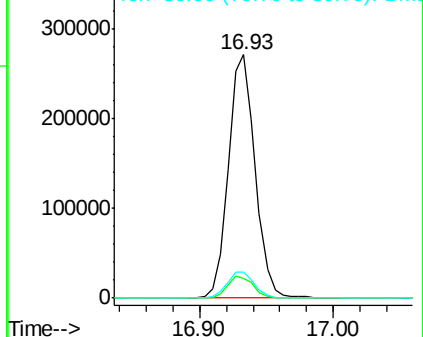
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 7.6   | 11.4  |
| 80      | 10.6  | 9.4   | 14.0  |

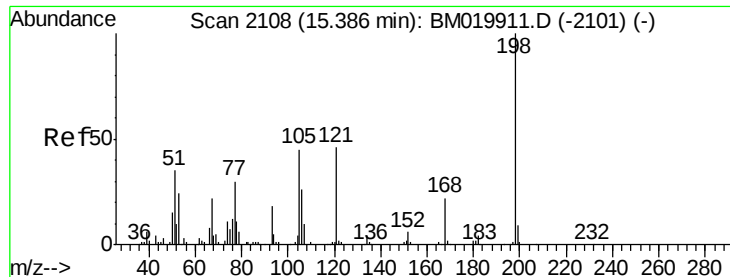


Abundance Ion 188.00 (187.70 to 188.70): BM020030.D (-2369) (-)

Ion 94.00 (93.70 to 94.70): BM020030.D (-2369) (-)

Ion 80.00 (79.70 to 80.70): BM020030.D (-2369) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 19.228 ng

RT: 15.37 min Scan# 2106

Delta R.T. 0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

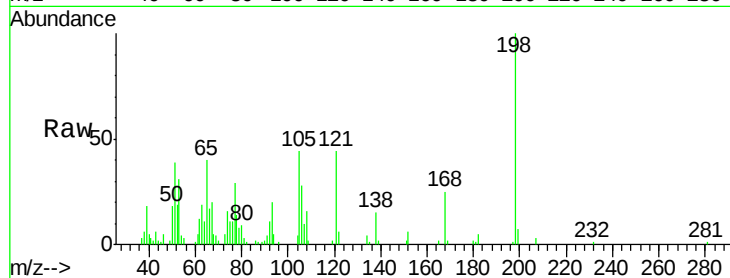
Tot Ion:198 Resp: 46602

Ion Ratio Lower Upper

198 100

51 39.3 17.9 57.9

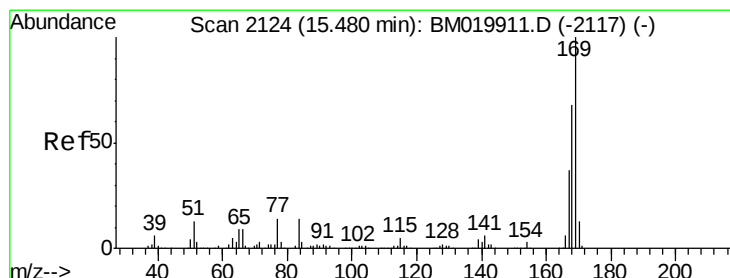
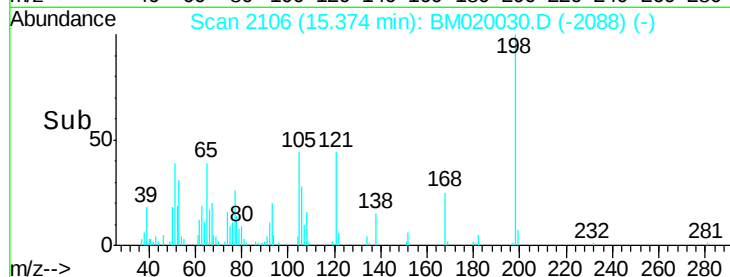
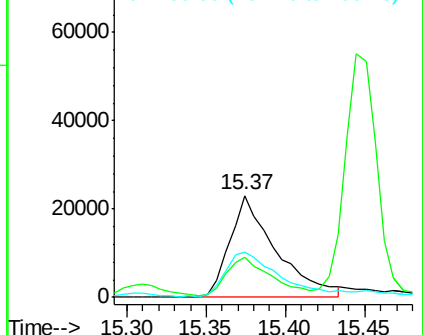
105 44.4 26.1 66.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.770 ng

RT: 15.45 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

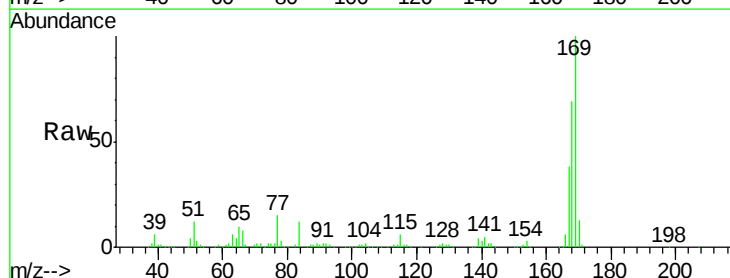
Tgt Ion:169 Resp: 580807

Ion Ratio Lower Upper

169 100

168 69.0 54.7 82.1

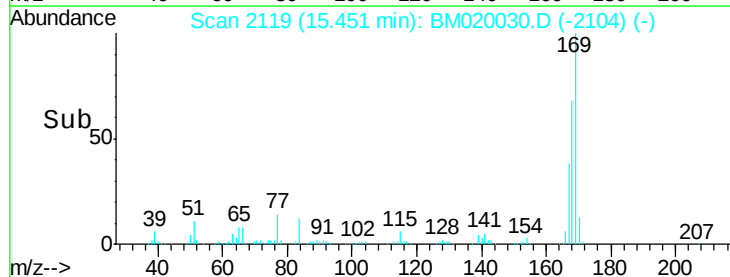
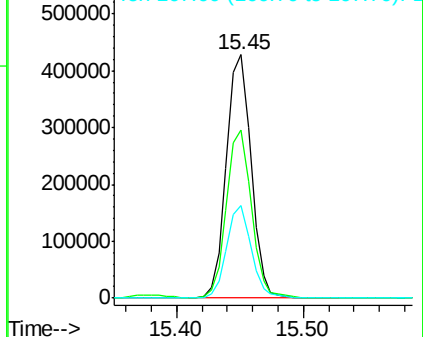
167 37.9 29.4 44.0

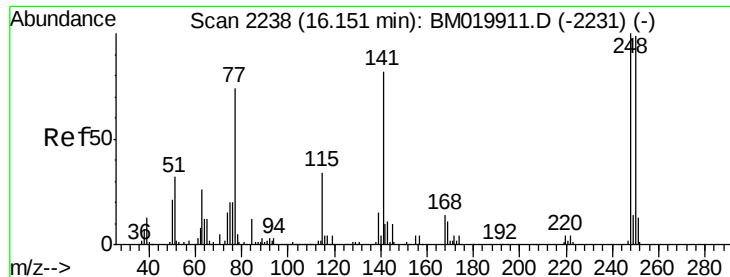


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

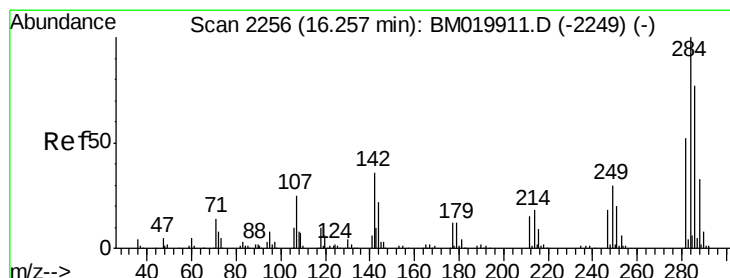
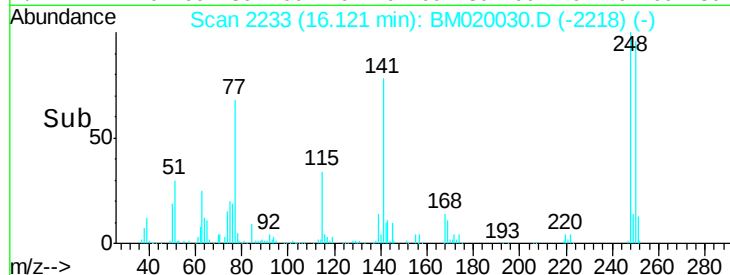
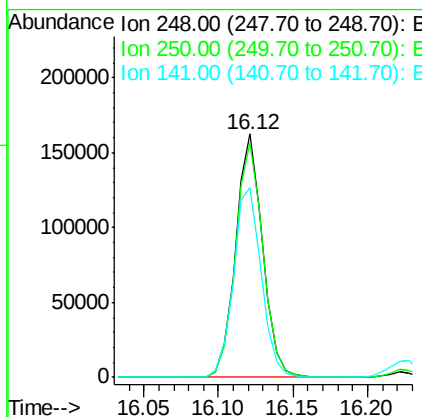
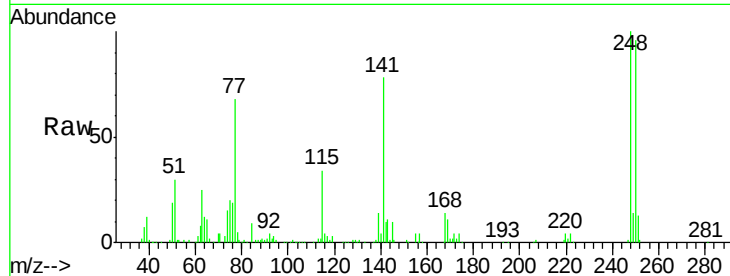




#67  
4-Bromophenyl-phenylether  
Concen: 46.718 ng  
RT: 16.12 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

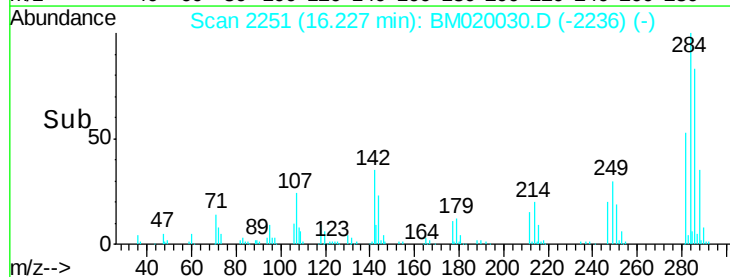
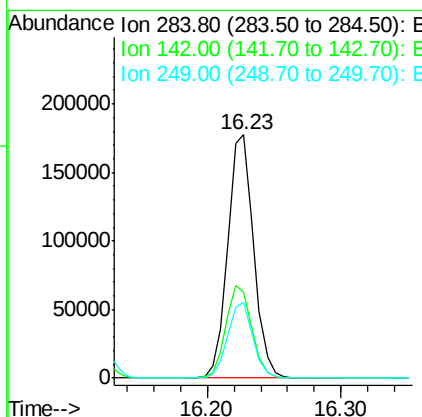
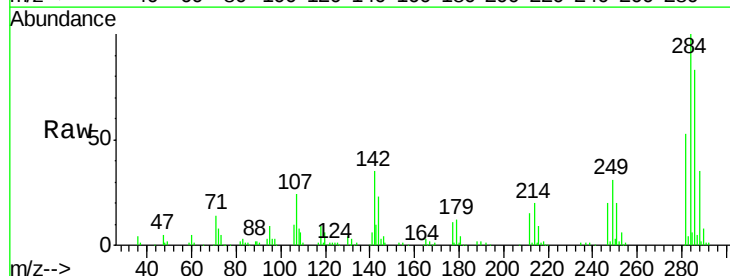
Instrument :  
BNA\_M  
ClientSampleId :

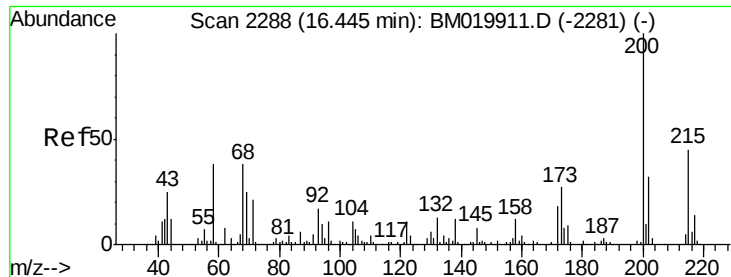
Tot Ion:248 Resp: 204025  
Ion Ratio Lower Upper  
248 100  
250 96.1 78.9 118.3  
141 78.2 65.6 98.4



#68  
Hexachlorobenzene  
Concen: 46.152 ng  
RT: 16.23 min Scan# 2251  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Tgt Ion:284 Resp: 241842  
Ion Ratio Lower Upper  
284 100  
142 35.4 28.9 43.3  
249 31.0 23.8 35.6





#69

Atrazine

Concen: 46.190 ng

RT: 16.42 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

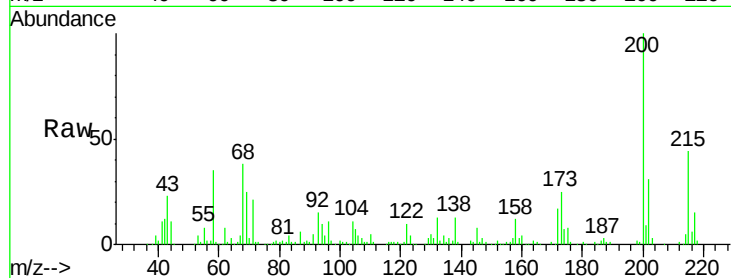
Tot Ion:200 Resp: 194724

Ion Ratio Lower Upper

200 100

173 25.3 7.2 47.2

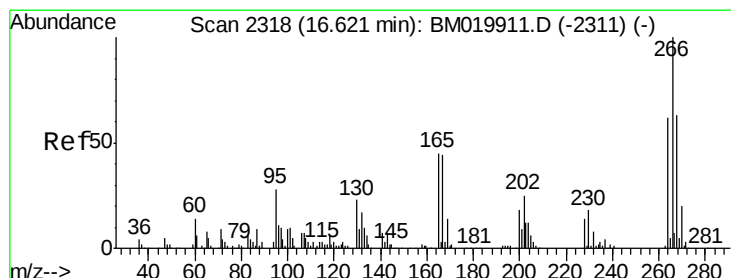
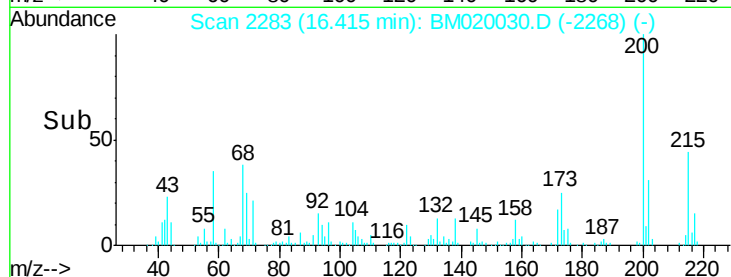
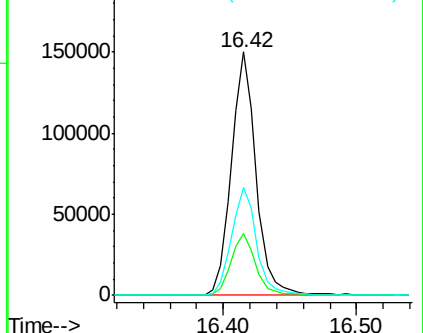
215 44.4 25.4 65.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 75.204 ng

RT: 16.60 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

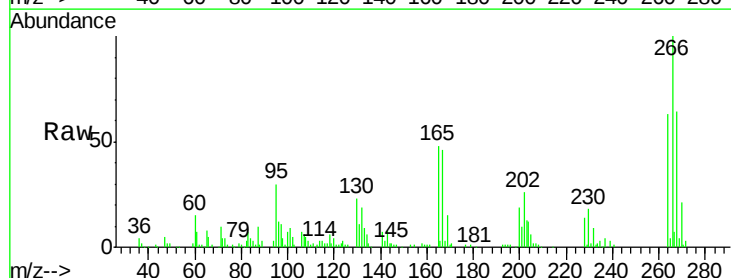
Tgt Ion:266 Resp: 201354

Ion Ratio Lower Upper

266 100

268 63.6 50.3 75.5

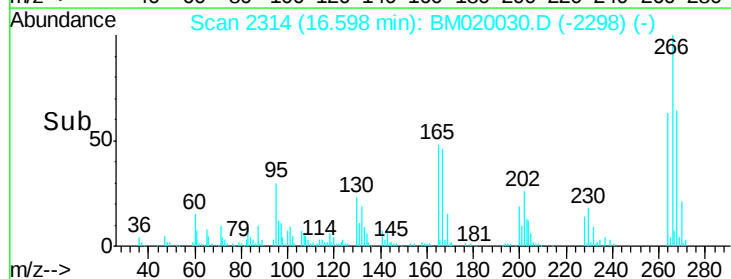
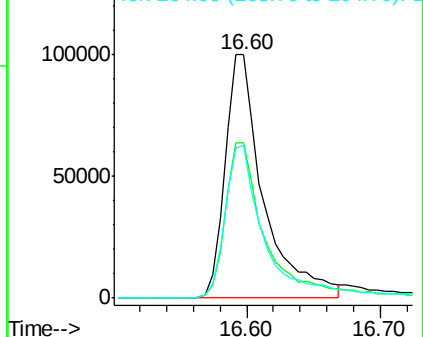
264 62.5 49.8 74.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

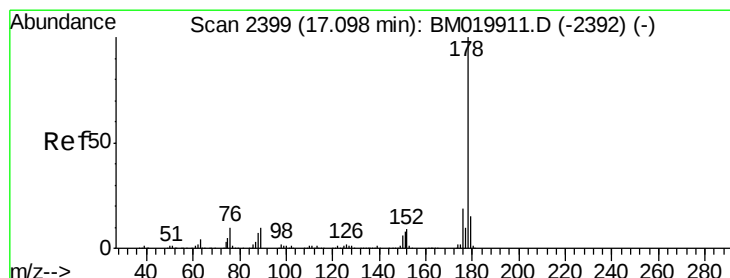
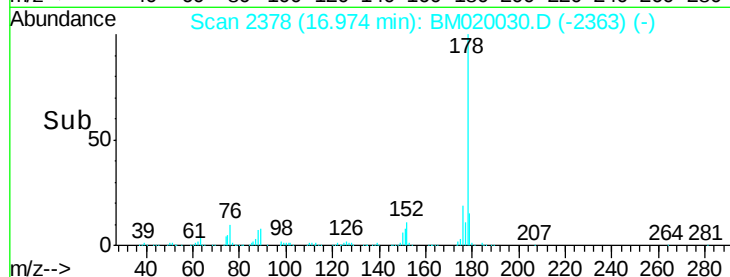
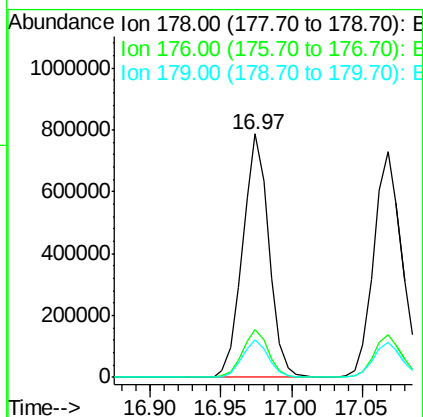
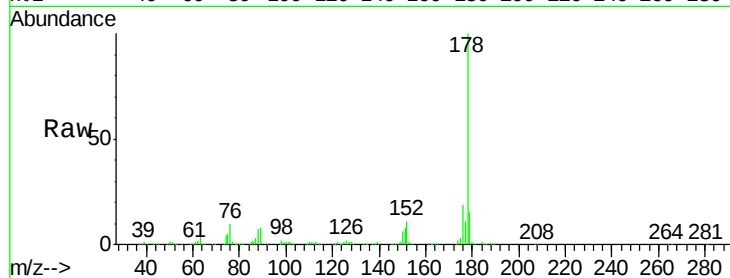




#71  
Phenanthrene  
Concen: 45.266 ng  
RT: 16.97 min Scan# 2378  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

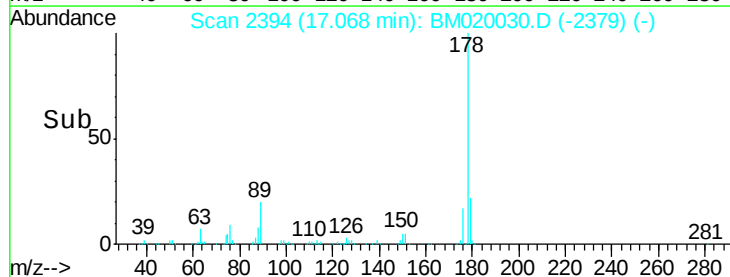
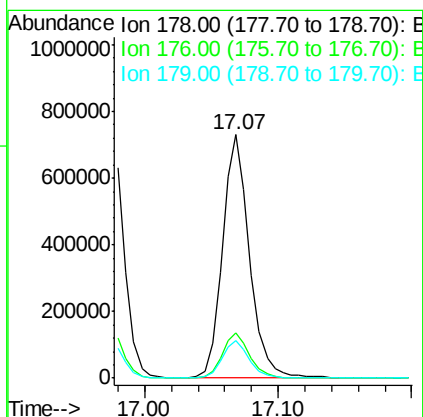
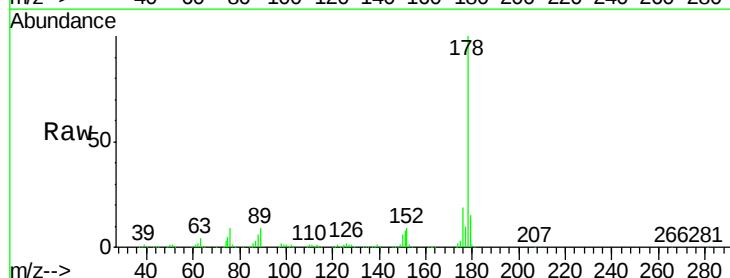
Instrument :  
BNA\_M  
ClientSampleId :

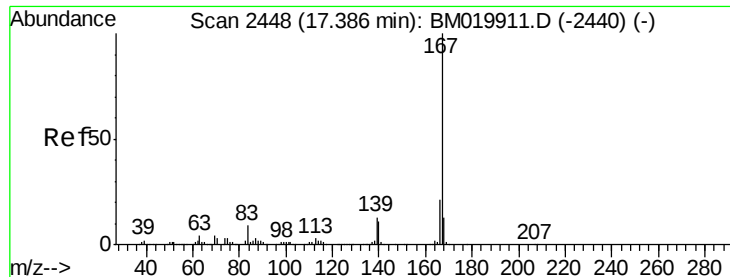
Tot Ion:178 Resp: 1020377  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.2 22.8  
179 15.3 12.2 18.4



#72  
Anthracene  
Concen: 45.480 ng  
RT: 17.07 min Scan# 2394  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Tgt Ion:178 Resp: 1020513  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.3 12.2 18.4

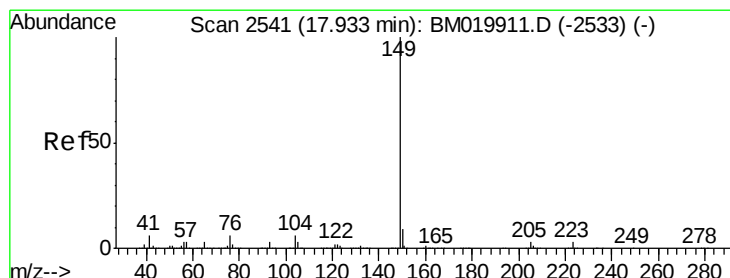
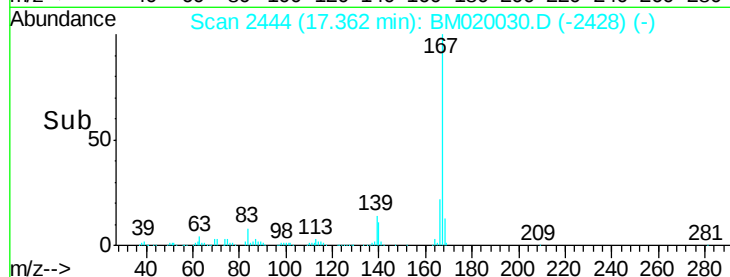
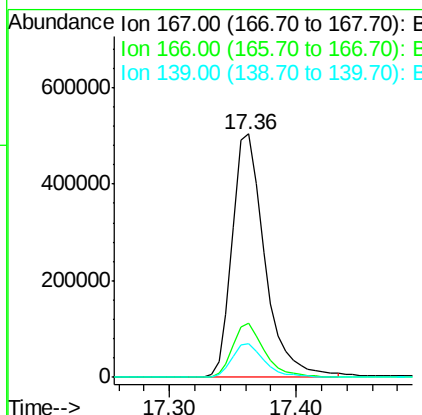
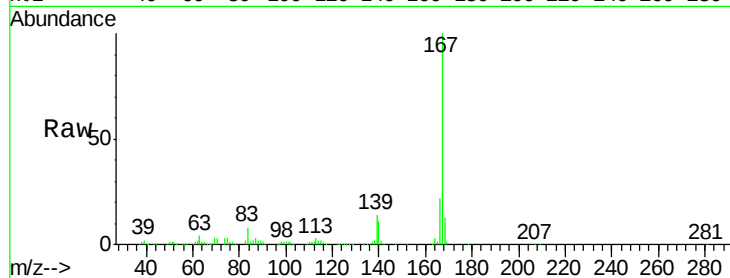




#73  
 Carbazole  
 Concen: 42.834 ng  
 RT: 17.36 min Scan# 2444  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

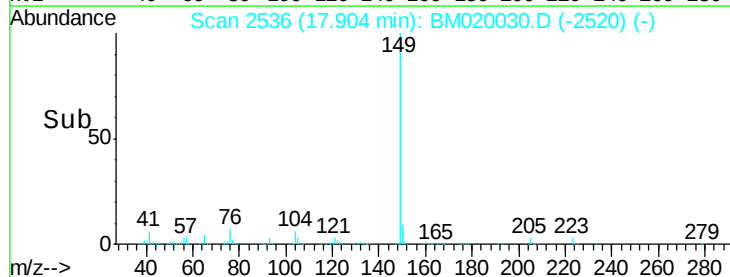
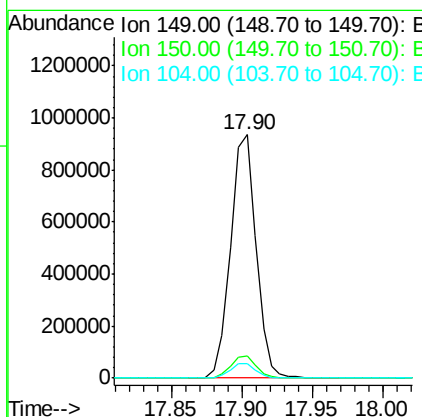
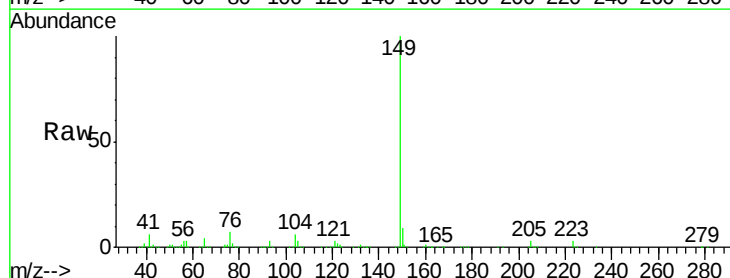
Instrument :  
 BNA\_M  
 ClientSampleId :

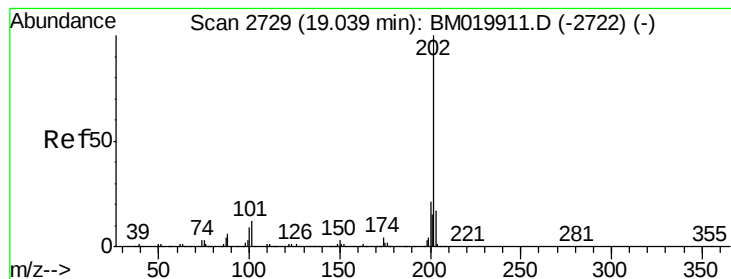
Tot Ion:167 Resp: 897356  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.2 25.8  
 139 14.0 10.7 16.1



#74  
 Di-n-butylphthalate  
 Concen: 43.004 ng  
 RT: 17.90 min Scan# 2536  
 Delta R.T. -0.01 min  
 Lab File: BM020030.D  
 Acq: 23 Apr 2019 06:54

Tgt Ion:149 Resp: 1183168  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.2 10.8  
 104 6.0 4.6 7.0





#75

Fluoranthene

Concen: 43.922 ng

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

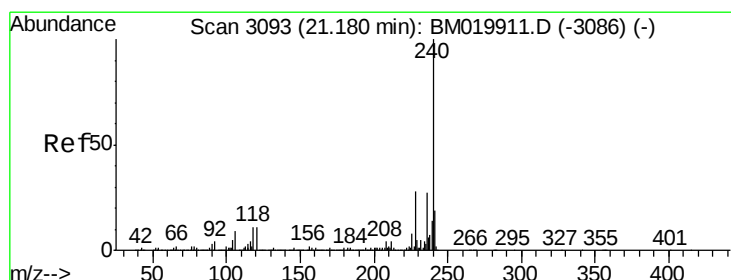
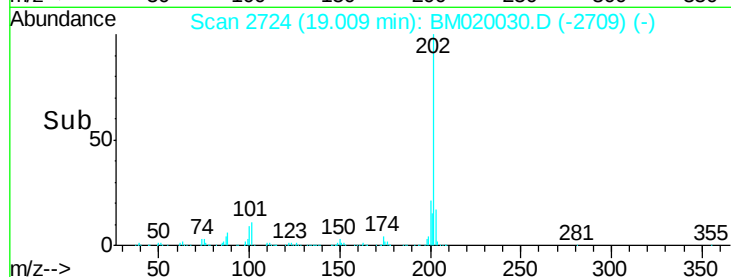
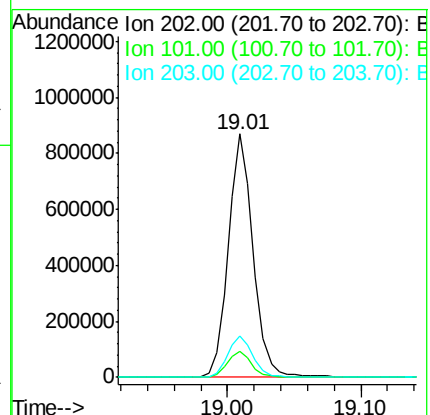
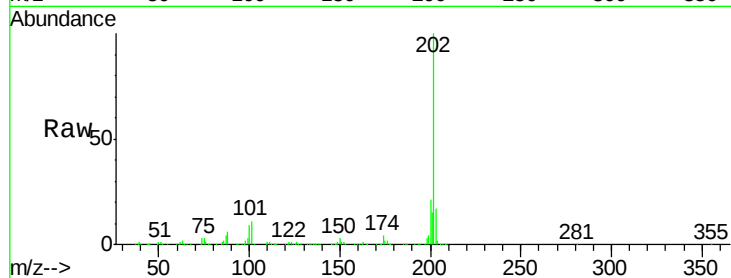
Tot Ion:202 Resp: 1139395

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.7

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

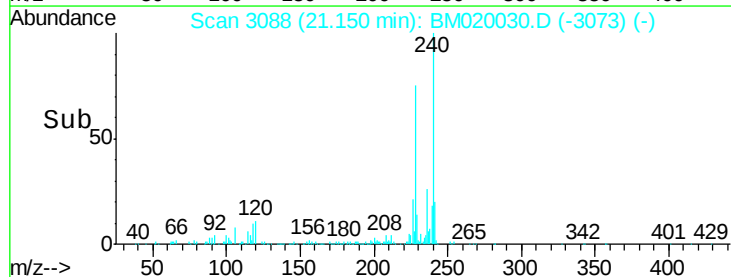
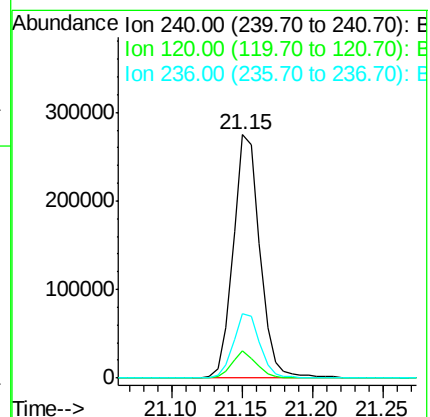
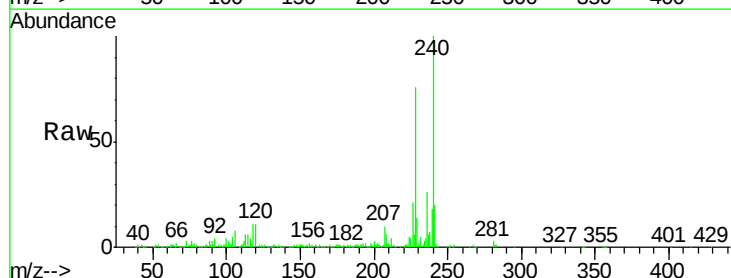
Tgt Ion:240 Resp: 360900

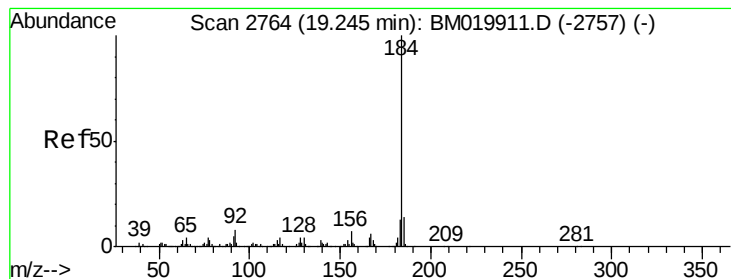
Ion Ratio Lower Upper

240 100

120 11.1 8.6 13.0

236 26.3 21.4 32.2





#77

Benzidine

Concen: 5.492 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

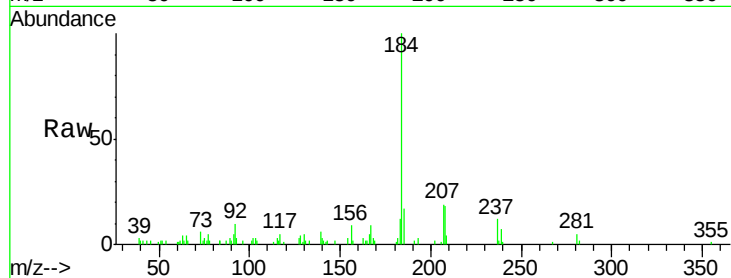
Tot Ion:184 Resp: 54689

Ion Ratio Lower Upper

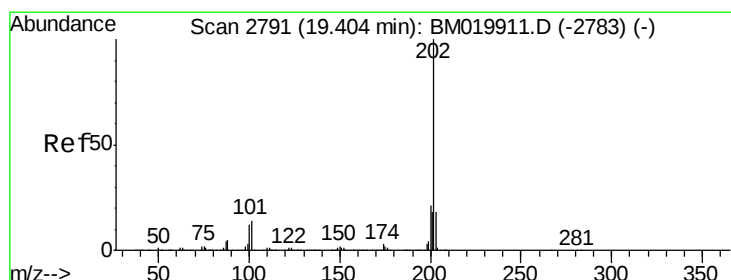
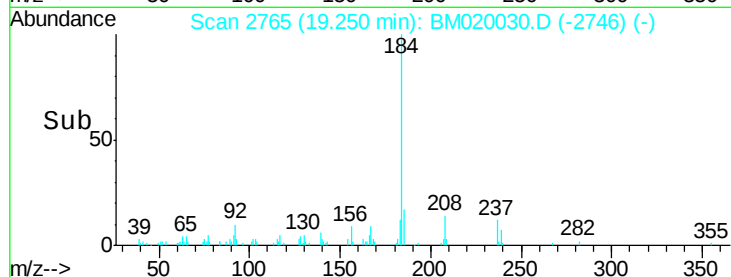
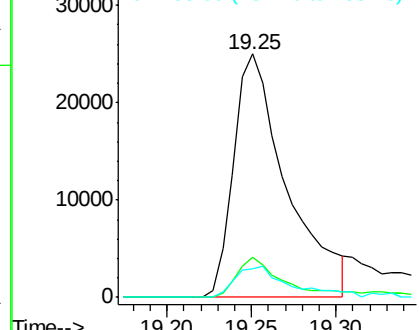
184 100

185 16.6 11.0 16.6#

183 11.7 10.1 15.1



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



#78

Pyrene

Concen: 49.130 ng

RT: 19.38 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

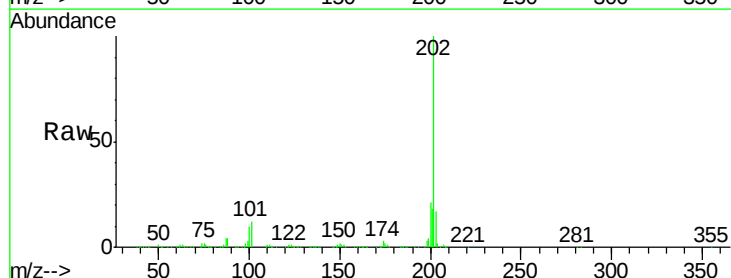
Tgt Ion:202 Resp: 1174191

Ion Ratio Lower Upper

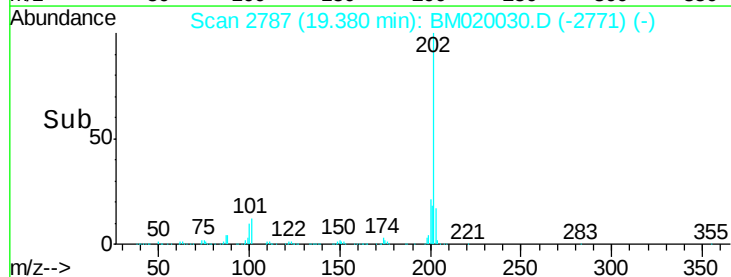
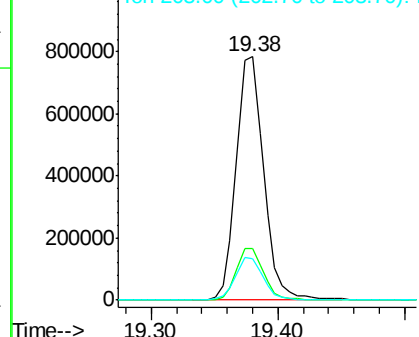
202 100

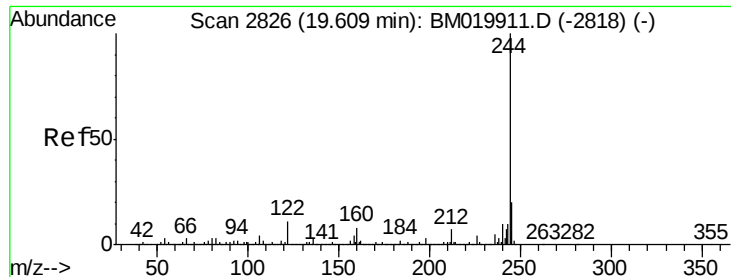
200 21.2 17.0 25.4

203 17.1 14.0 21.0



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





#79

Terphenyl-d14

Concen: 94.424 ng

RT: 19.58 min Scan# 2821

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

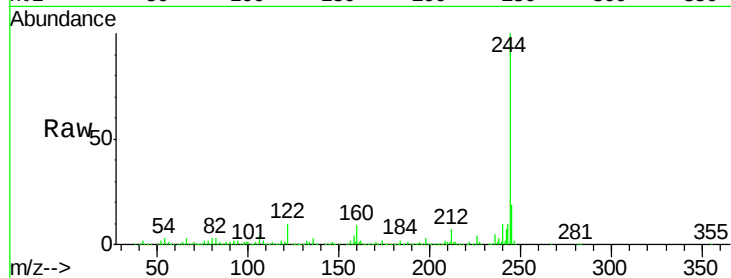
Tot Ion:244 Resp: 1932022

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

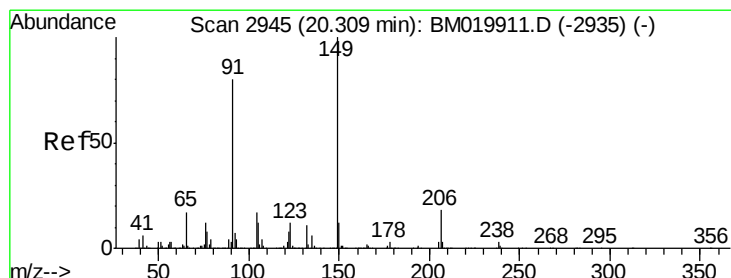
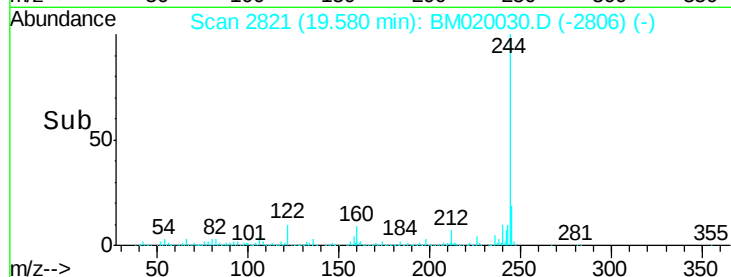
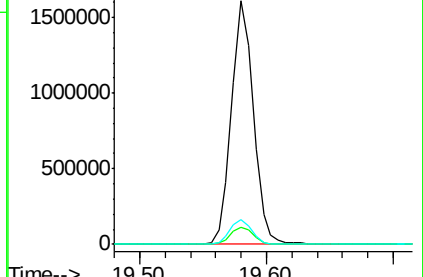
122 10.4 9.1 13.7



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



#80

Butylbenzylphthalate

Concen: 47.576 ng

RT: 20.29 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

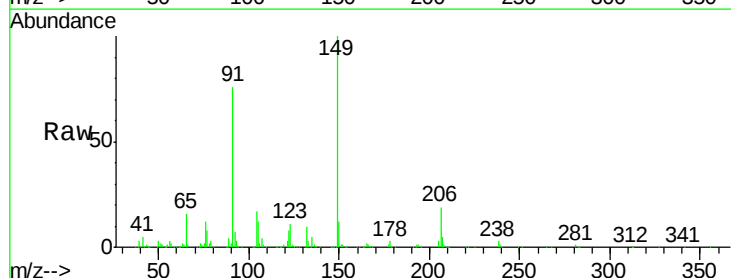
Tgt Ion:149 Resp: 551262

Ion Ratio Lower Upper

149 100

91 76.3 63.7 95.5

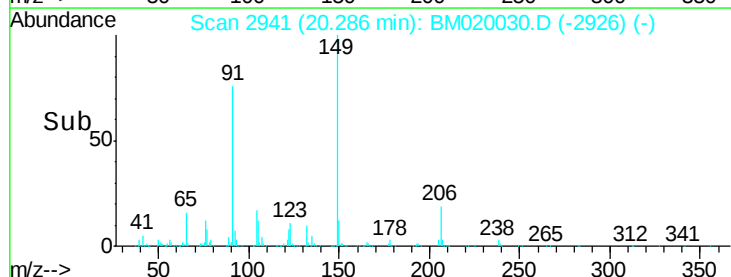
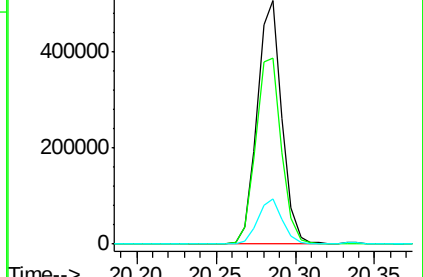
206 18.8 14.6 21.8

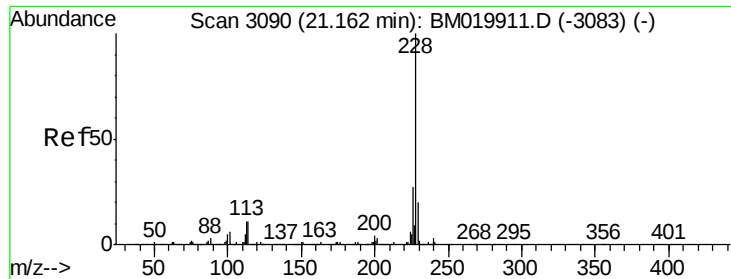


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 48.082 ng

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

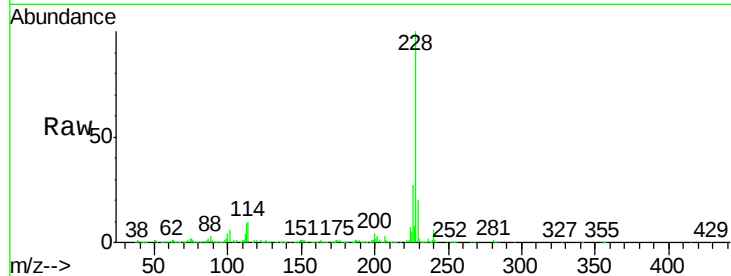
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 1099255

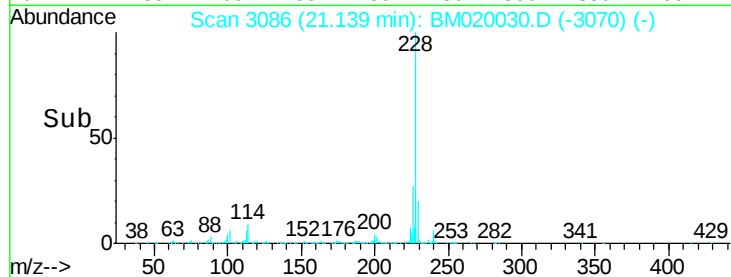
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.7  | 21.8  | 32.6  |
| 229 | 19.7  | 15.9  | 23.9  |



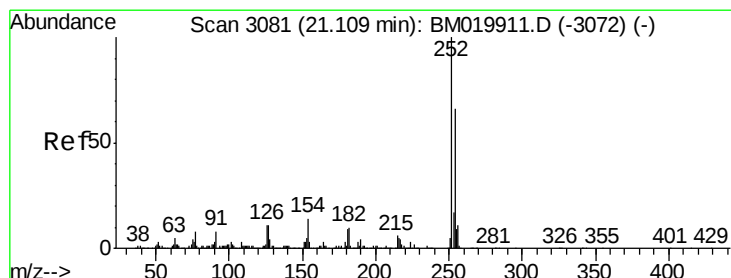
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 18.770 ng

RT: 21.09 min Scan# 3077

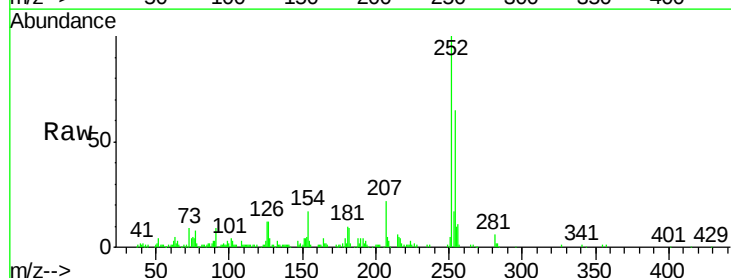
Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Tgt Ion:252 Resp: 159657

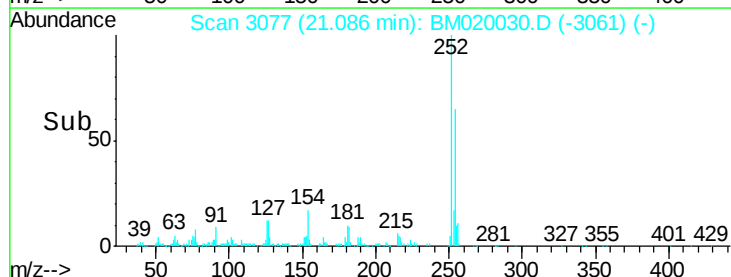
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 65.3  | 52.6  | 78.8  |
| 126 | 11.5  | 8.6   | 12.8  |



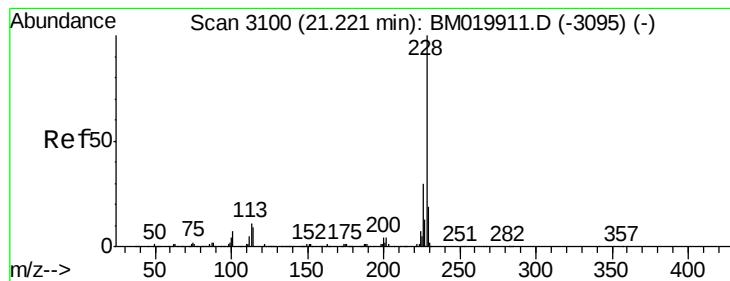
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->



#83

Chrysene

Concen: 50.712 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

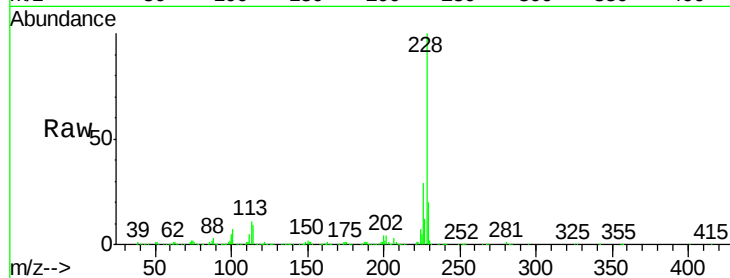
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 1111853

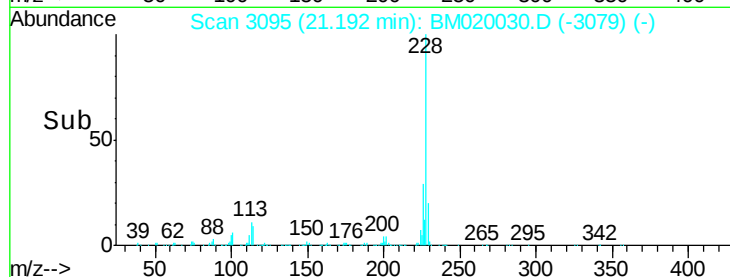
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.3  | 23.7  | 35.5  |
| 229 | 19.6  | 15.6  | 23.4  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

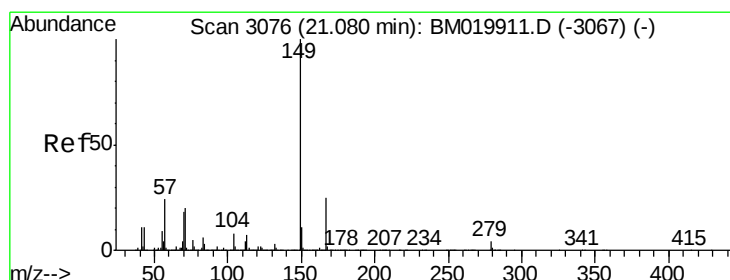
Ion 229.00 (228.70 to 229.70): E



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.680 ng

RT: 21.05 min Scan# 3071

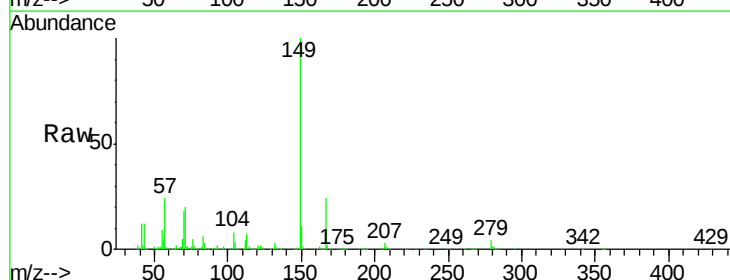
Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Tgt Ion:149 Resp: 822489

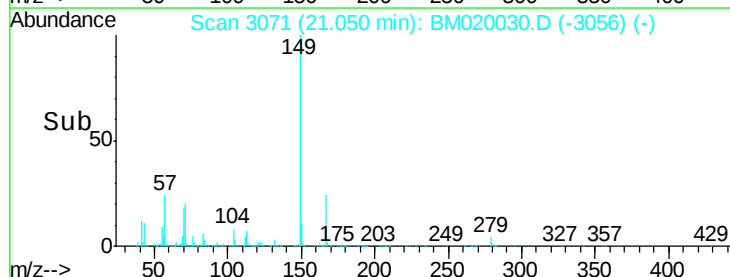
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 24.4  | 20.3  | 30.5  |
| 279 | 3.7   | 3.4   | 5.2   |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

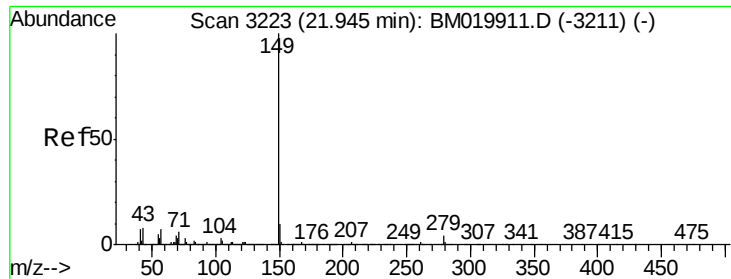
Ion 279.00 (278.70 to 279.70): E



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 51.114 ng

RT: 21.91 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampleId :

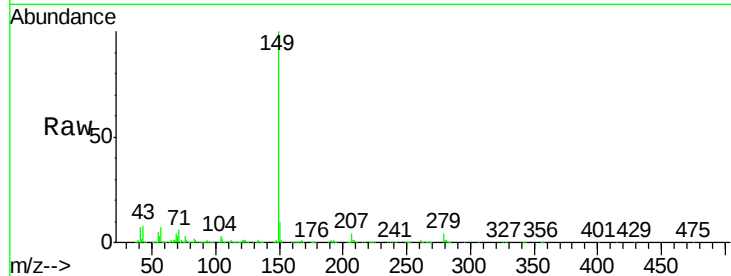
Tot Ion:149 Resp: 1430705

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

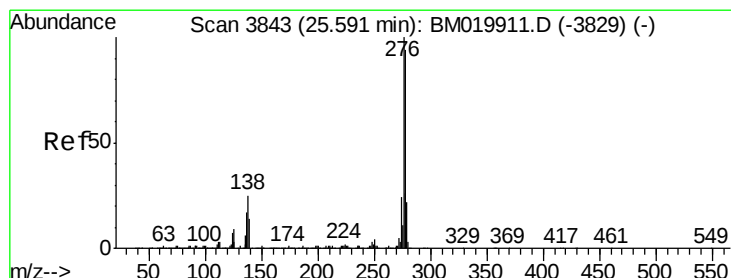
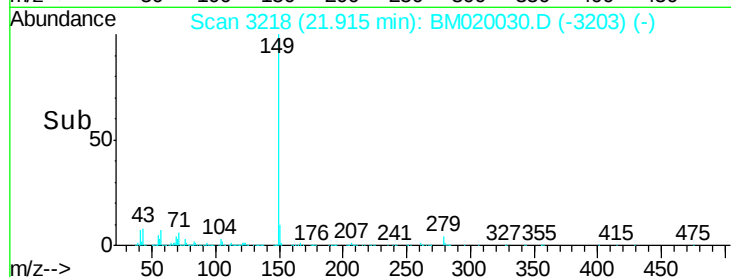
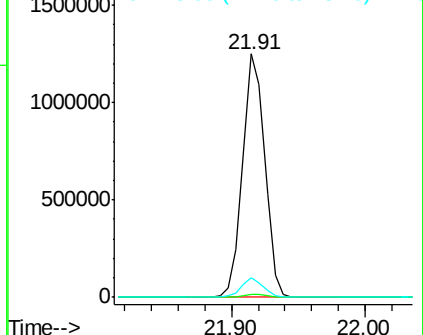
43 7.6 6.0 9.0



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): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 84.049 ng

RT: 25.53 min Scan# 3832

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

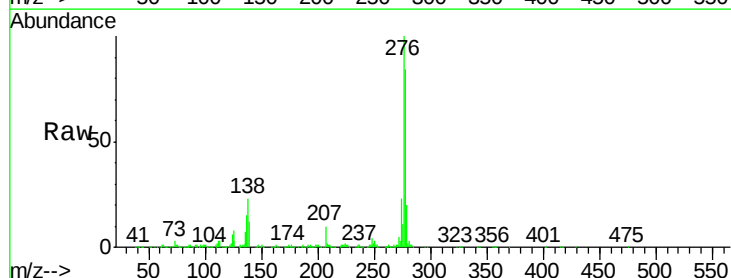
Tgt Ion:276 Resp: 1812765

Ion Ratio Lower Upper

276 100

138 22.3 19.0 28.6

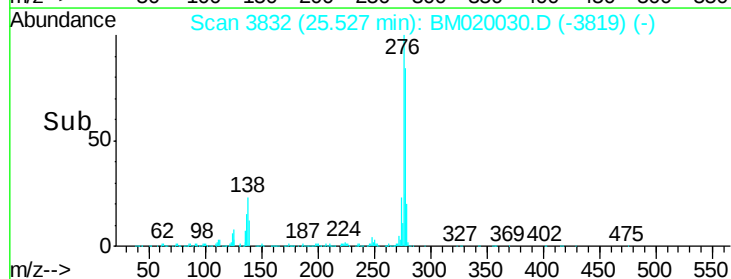
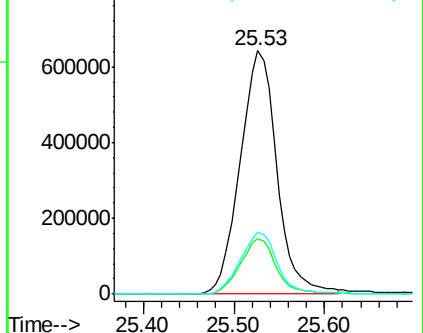
277 25.4 20.3 30.5

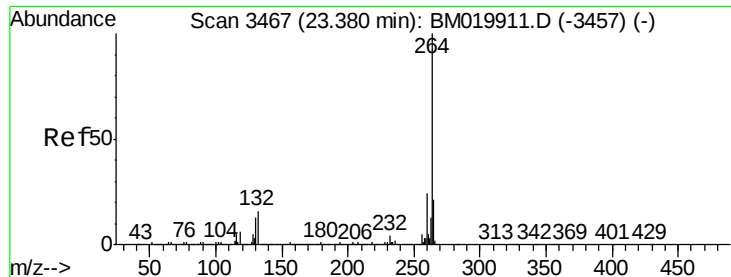


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



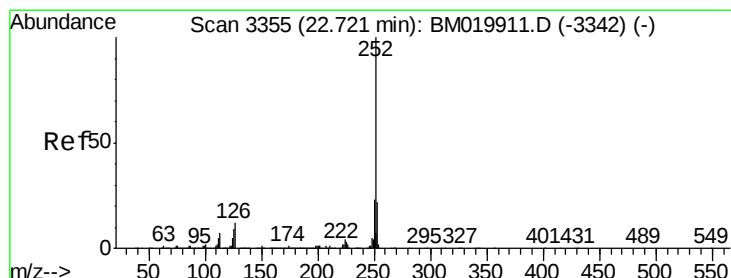
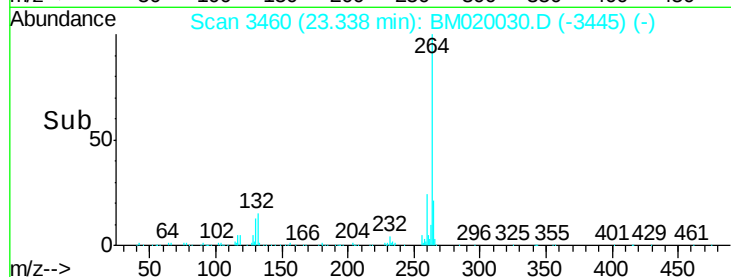
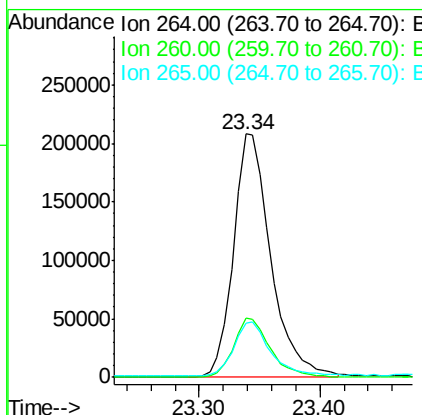
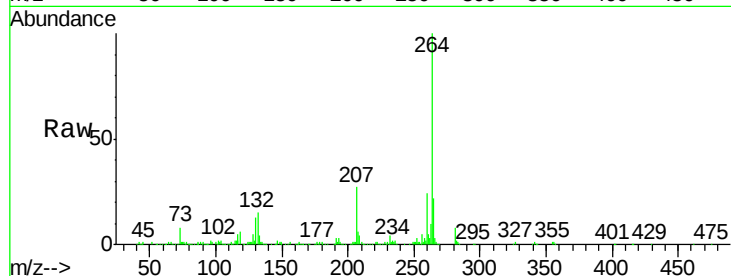


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3460  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:264 Resp: 448103  

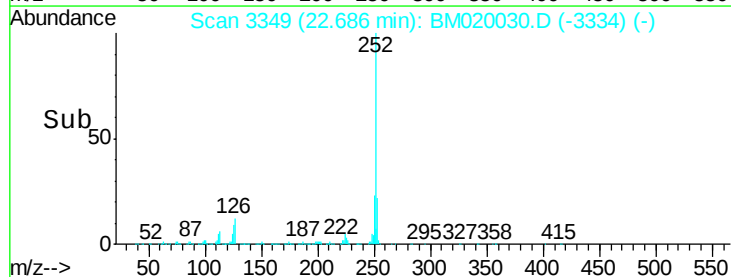
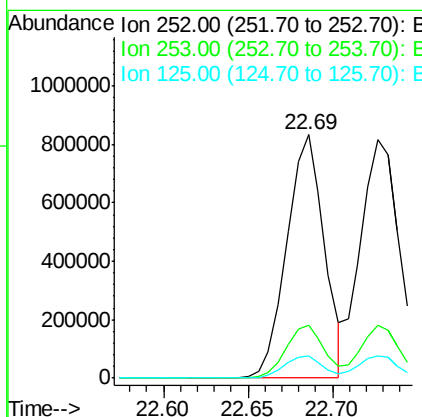
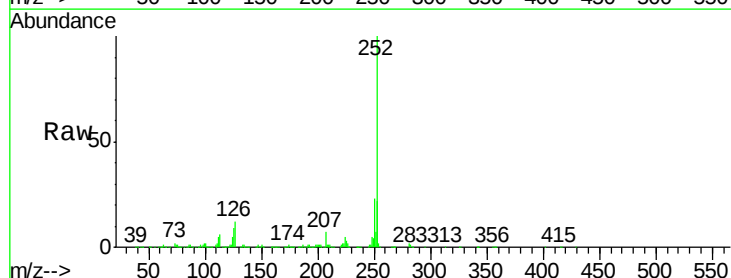
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.2  | 28.8  |
| 265 | 22.1  | 17.2  | 25.8  |

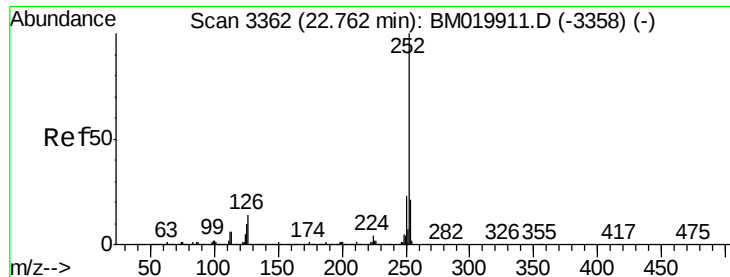


#88  
Benzo(b)fluoranthene  
Concen: 43.029 ng  
RT: 22.69 min Scan# 3349  
Delta R.T. -0.01 min  
Lab File: BM020030.D  
Acq: 23 Apr 2019 06:54

Tgt Ion:252 Resp: 1280311  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 17.5  | 26.3  |
| 125 | 9.3   | 7.6   | 11.4  |





#89

Benzo(k)fluoranthene

Concen: 47.412 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Instrument :

BNA\_M

ClientSampled :

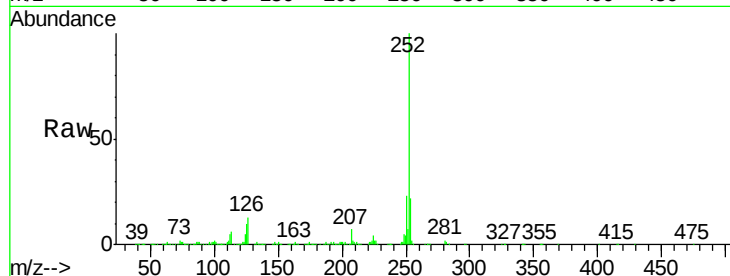
Tot Ion:252 Resp: 1328117

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

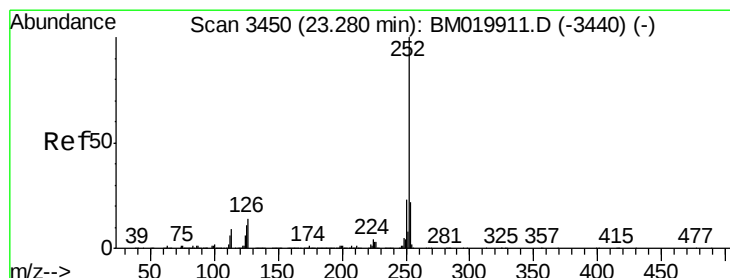
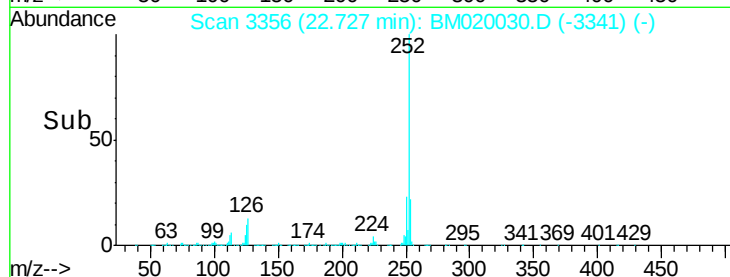
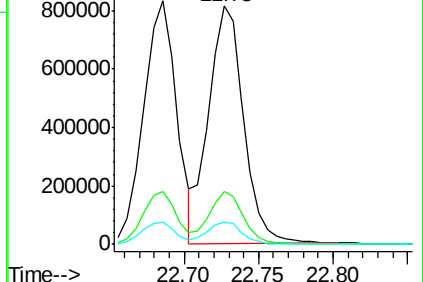
125 9.5 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 48.040 ng

RT: 23.24 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

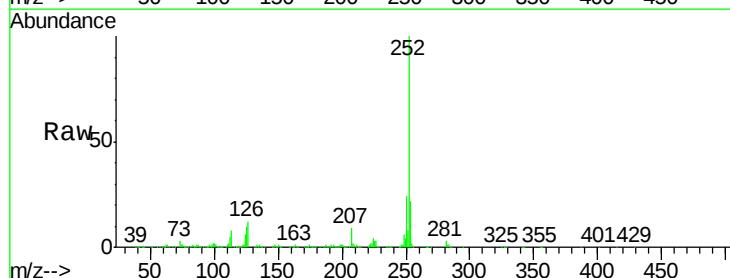
Tgt Ion:252 Resp: 1266545

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

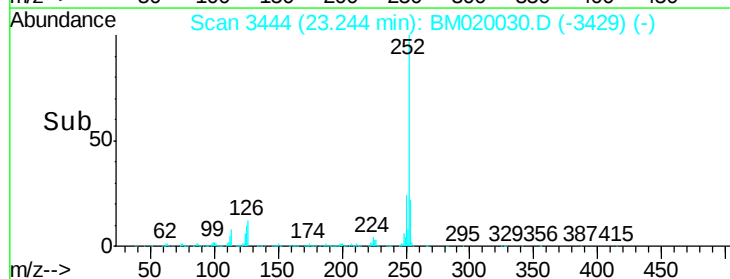
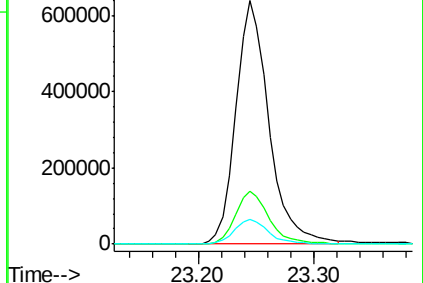
125 10.2 9.1 13.7

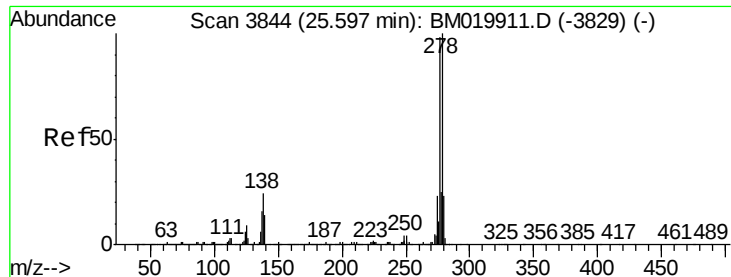


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 60.379 ng

RT: 25.53 min Scan# 3833

Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

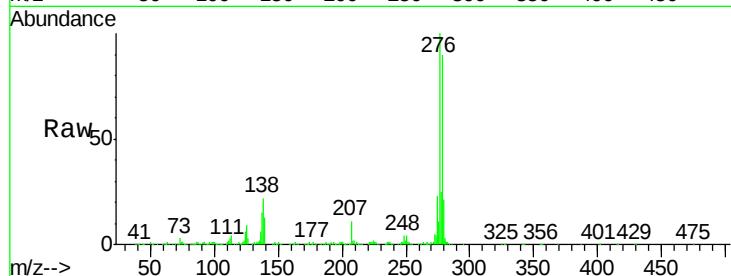
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:278 Resp: 1534747

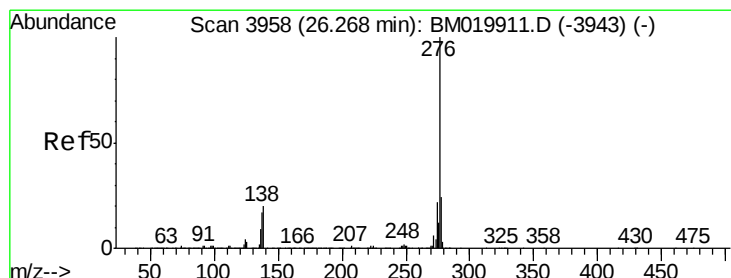
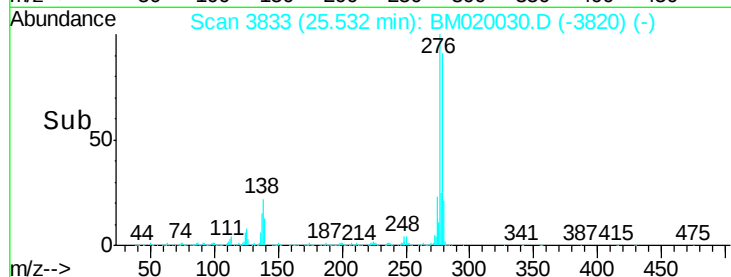
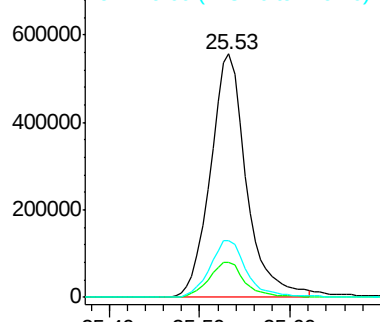
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.4  | 11.6  | 17.4  |
| 279 | 23.3  | 18.4  | 27.6  |



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 62.373 ng

RT: 26.20 min Scan# 3947

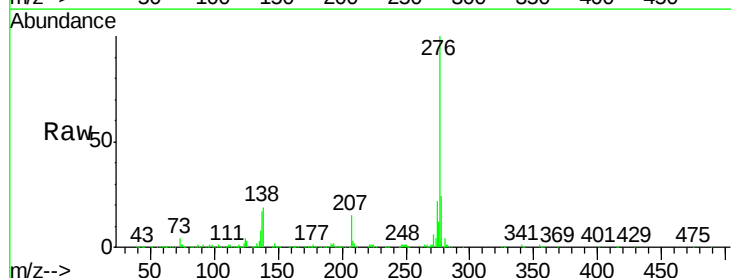
Delta R.T. -0.02 min

Lab File: BM020030.D

Acq: 23 Apr 2019 06:54

Tgt Ion:276 Resp: 1435987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.0  | 18.8  | 28.2  |
| 138 | 18.9  | 16.2  | 24.4  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

