

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG122117\  
 Data File : BG031671.D  
 Acq On : 21 Dec 2017 13:32  
 Operator : SJ/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 21 14:13:22 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 14:09:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 9.17  | 152  | 225048   | 20.00 | ng    | 0.33     |
| 21) Naphthalene-d8        | 11.72 | 136  | 255346   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.46 | 164  | 170685   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.20 | 188  | 417152   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.57 | 240  | 452738   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.36 | 264  | 481624   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 6.25  | 112 | 249554  | 20.20 | ng | 0.00 |
| 7) Phenol-d6             | 7.93  | 99  | 329228  | 20.52 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.04 | 82  | 278222  | 82.28 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.94 | 330 | 208403  | 80.02 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.10 | 172 | 1041879 | 76.61 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.73 | 244 | 1518218 | 76.61 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.90  | 88  | 45396  | 9.911  | ng | # 69   |
| 3) Pyridine                    | 4.35  | 79  | 131460 | 10.738 | ng | # 80   |
| 4) n-Nitrosodimethylamine      | 4.26  | 42  | 48603  | 9.838  | ng | # 72   |
| 6) Aniline                     | 8.13  | 93  | 206241 | 9.993  | ng | 93     |
| 8) 2-Chlorophenol              | 8.37  | 128 | 144061 | 10.051 | ng | 83     |
| 9) Benzaldehyde                | 8.34  | 77  | 6396   | 0.662  | ng | 84     |
| 10) Phenol                     | 7.96  | 94  | 164006 | 10.126 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 8.21  | 93  | 135293 | 10.058 | ng | # 80   |
| 12) 1,3-Dichlorobenzene        | 9.20  | 146 | 172273 | 9.679  | ng | # 95   |
| 13) 1,4-Dichlorobenzene        | 9.20  | 146 | 172273 | 9.475  | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 9.20  | 146 | 172273 | 10.000 | ng | 97     |
| 15) Benzyl Alcohol             | 9.42  | 79  | 4870   | 0.404  | ng | # 1    |
| 16) 2,2'-oxybis(1-Chloropropan | 9.37  | 45  | 108250 | 9.883  | ng | 81     |
| 17) 2-Methylphenol             | 9.26  | 107 | 119516 | 10.313 | ng | 94     |
| 18) Hexachloroethane           | 9.96  | 117 | 54184  | 9.840  | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 10.04 | 70  | 35654  | 3.254  | ng | # 67   |
| 20) 3+4-Methylphenols          | 9.60  | 107 | 167892 | 10.194 | ng | 94     |
| 22) Acetophenone               | 9.68  | 105 | 228245 | 38.474 | ng | # 86   |
| 24) Nitrobenzene               | 10.08 | 77  | 141278 | 40.537 | ng | # 83   |
| 25) Isophorone                 | 10.61 | 82  | 282494 | 38.807 | ng | # 87   |
| 26) 2-Nitrophenol              | 10.81 | 139 | 75163  | 41.133 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 10.83 | 122 | 146578 | 38.120 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 11.09 | 93  | 186342 | 38.150 | ng | # 96   |
| 29) 2,4-Dichlorophenol         | 11.34 | 162 | 176551 | 39.111 | ng | 90     |
| 30) 1,2,4-Trichlorobenzene     | 11.58 | 180 | 210723 | 38.232 | ng | 96     |
| 31) Naphthalene                | 11.77 | 128 | 495032 | 38.414 | ng | 99     |
| 32) Benzoic acid               | 10.96 | 122 | 105348 | 41.267 | ng | # 76   |
| 33) 4-Chloroaniline            | 11.86 | 127 | 217898 | 37.979 | ng | # 91   |
| 34) Hexachlorobutadiene        | 12.05 | 225 | 142016 | 37.532 | ng | 97     |
| 35) Caprolactam                | 12.61 | 113 | 52141  | 38.107 | ng | # 55   |
| 36) 4-Chloro-3-methylphenol    | 12.93 | 107 | 161600 | 38.762 | ng | # 81   |
| 37) 2-Methylnaphthalene        | 13.33 | 142 | 398362 | 38.132 | ng | 91     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.68 | 216 | 279814 | 38.920 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 13.66 | 237 | 153731 | 40.534 | ng | 88     |

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 Sample : SSTDICV040  
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 ALS Vial : 9 Sample Multiplier: 1

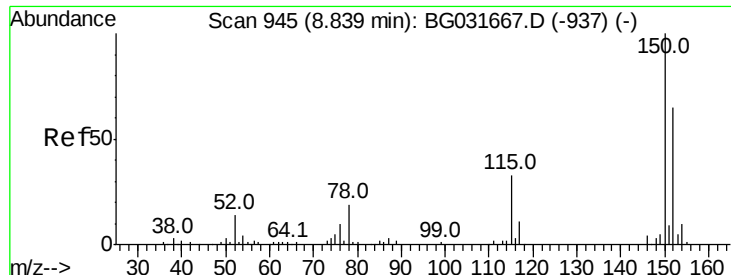
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 21 14:13:22 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 14:09:19 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.91 | 196  | 166854   | 40.253 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.97 | 196  | 184034   | 40.063 | nq #  | 91       |
| 45) 1,1'-Biphenyl              | 14.31 | 154  | 570142   | 39.109 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.36 | 162  | 433391   | 38.976 | nq    | 94       |
| 47) 2-Nitroaniline             | 14.54 | 65   | 82920    | 43.177 | nq #  | 68       |
| 48) Acenaphthylene             | 15.19 | 152  | 692511   | 38.928 | nq    | 99       |
| 49) Dimethylphthalate          | 14.90 | 163  | 580332   | 38.594 | nq #  | 99       |
| 50) 2,6-Dinitrotoluene         | 15.02 | 165  | 117448   | 42.459 | nq #  | 65       |
| 51) Acenaphthene               | 15.53 | 154  | 455773   | 39.120 | nq    | 97       |
| 52) 3-Nitroaniline             | 15.35 | 138  | 110528   | 40.955 | nq #  | 73       |
| 53) 2,4-Dinitrophenol          | 15.55 | 184  | 42984    | 40.721 | nq #  | 1        |
| 54) Dibenzofuran               | 15.86 | 168  | 683832   | 38.290 | nq    | 97       |
| 55) 4-Nitrophenol              | 15.62 | 139  | 91659    | 41.729 | nq #  | 70       |
| 56) 2,4-Dinitrotoluene         | 15.80 | 165  | 154831   | 43.529 | nq #  | 61       |
| 57) Fluorene                   | 16.50 | 166  | 555080   | 38.259 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.07 | 232  | 179004   | 39.940 | nq #  | 84       |
| 59) Diethylphthalate           | 16.25 | 149  | 556998   | 38.005 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.49 | 204  | 342018   | 38.528 | nq    | 91       |
| 61) 4-Nitroaniline             | 16.50 | 138  | 110424   | 41.929 | nq    | 81       |
| 62) Azobenzene                 | 16.78 | 77   | 361002   | 38.409 | nq    | 83       |
| 64) 4,6-Dinitro-2-methylphenol | 16.55 | 198  | 79004    | 40.500 | nq #  | 71       |
| 65) n-Nitrosodiphenylamine     | 16.69 | 169  | 536560   | 38.728 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 17.38 | 248  | 232963   | 38.620 | nq    | 93       |
| 67) Hexachlorobenzene          | 17.50 | 284  | 242752   | 39.366 | nq #  | 88       |
| 68) Atrazine                   | 17.62 | 200  | 209141   | 38.822 | nq    | 97       |
| 69) Pentachlorophenol          | 17.83 | 266  | 173903   | 41.000 | nq    | 99       |
| 70) Phenanthrene               | 18.24 | 178  | 902262   | 38.219 | nq    | 99       |
| 71) Anthracene                 | 18.34 | 178  | 911702   | 38.284 | nq    | 99       |
| 72) Carbazole                  | 18.59 | 167  | 800024   | 37.956 | nq    | 99       |
| 73) Di-n-butylphthalate        | 19.11 | 149  | 897717   | 38.324 | nq    | 99       |
| 74) Fluoranthene               | 20.21 | 202  | 1093892  | 37.764 | nq    | 97       |
| 76) Benzidine                  | 20.36 | 184  | 557971   | 39.929 | nq #  | 94       |
| 77) Pyrene                     | 20.56 | 202  | 1111494  | 38.434 | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.44 | 149  | 385573   | 39.716 | nq #  | 78       |
| 80) Benzo(a)anthracene         | 22.54 | 228  | 1118857  | 38.850 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 22.43 | 252  | 431570   | 38.651 | nq #  | 97       |
| 82) Chrysene                   | 22.62 | 228  | 1053231  | 38.652 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.42 | 149  | 548844   | 39.022 | nq #  | 96       |
| 84) Di-n-octyl phthalate       | 23.85 | 149  | 935091   | 39.476 | nq #  | 88       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.78 | 276  | 1378042  | 39.420 | nq #  | 85       |
| 87) Benzo(b)fluoranthene       | 25.14 | 252  | 1166106  | 39.005 | nq #  | 97       |
| 88) Benzo(k)fluoranthene       | 25.22 | 252  | 1166601  | 38.991 | nq #  | 97       |
| 89) Benzo(a)pyrene             | 26.18 | 252  | 1114499  | 38.924 | nq #  | 98       |
| 90) Dibenzo(a,h)anthracene     | 30.86 | 278  | 1166119  | 39.434 | nq #  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.78 | 276  | 1378042  | 39.470 | nq #  | 93       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.33 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampled :

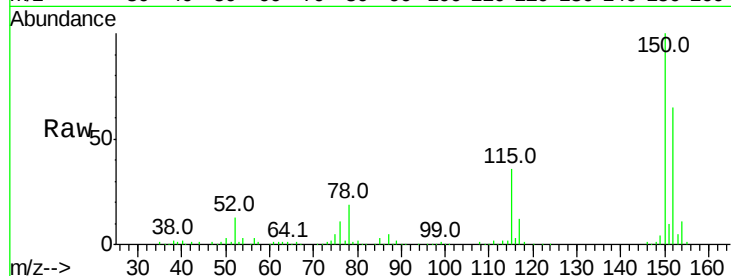
Tot Ion:152 Resp: 225048

Ion Ratio Lower Upper

152 100

150 154.4 126.6 189.8

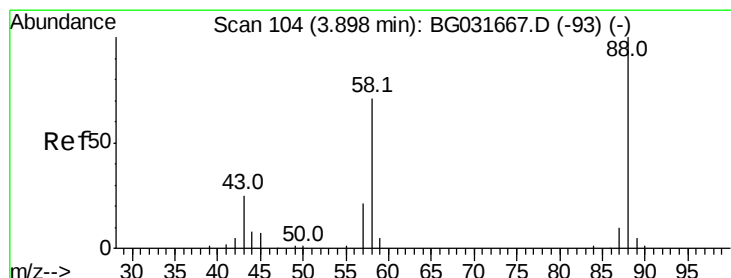
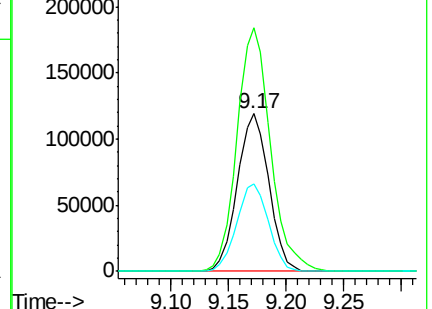
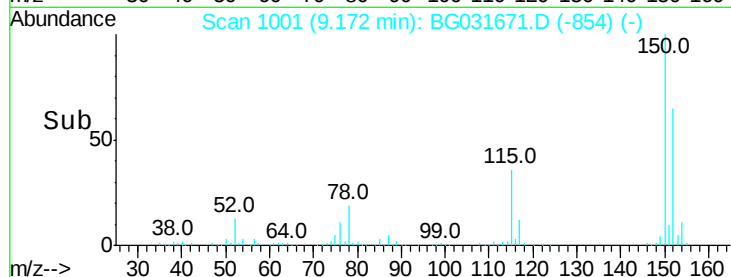
115 55.8 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.911 ng

RT: 3.90 min Scan# 103

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

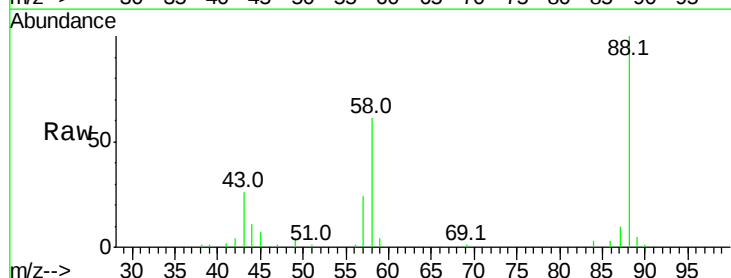
Tgt Ion: 88 Resp: 45396

Ion Ratio Lower Upper

88 100

58 63.9 79.6 119.4#

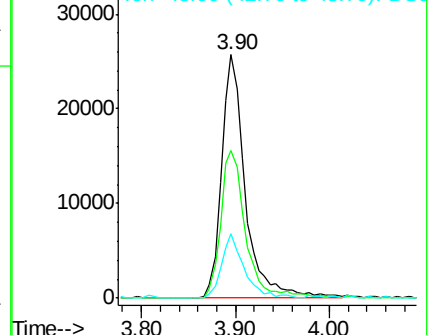
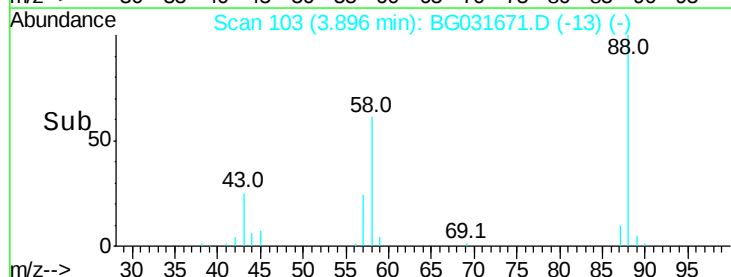
43 25.0 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 10.738 ng

RT: 4.35 min Scan# 181

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

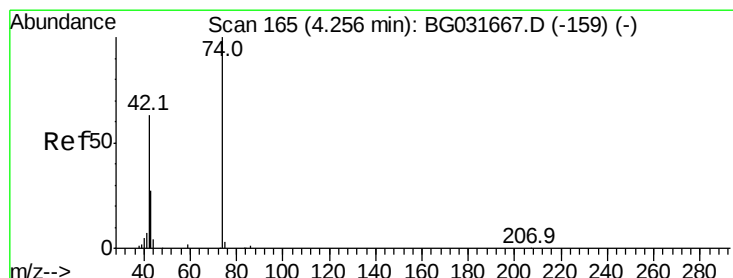
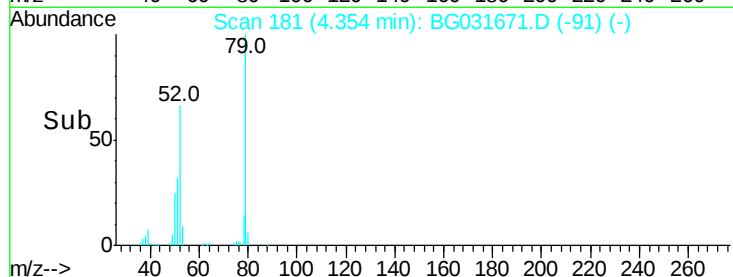
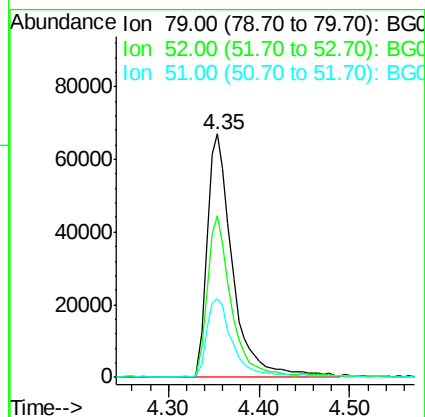
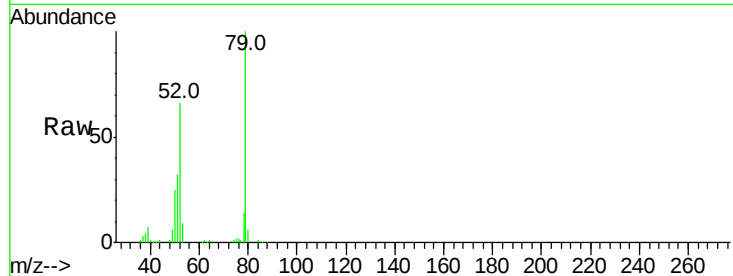
Tot Ion: 79 Resp: 131460

Ion Ratio Lower Upper

79 100

52 66.4 69.9 104.9#

51 32.4 34.0 51.0#



#4

n-Nitrosodimethylamine

Concen: 9.838 ng

RT: 4.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

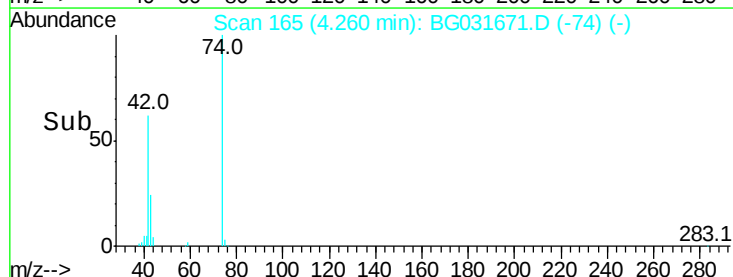
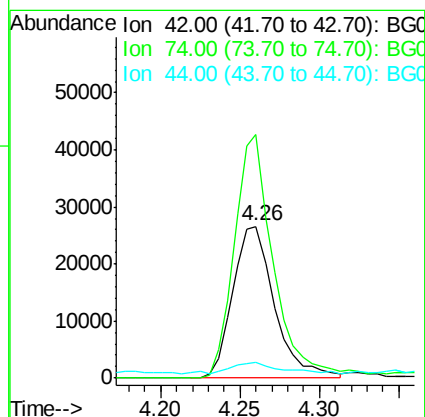
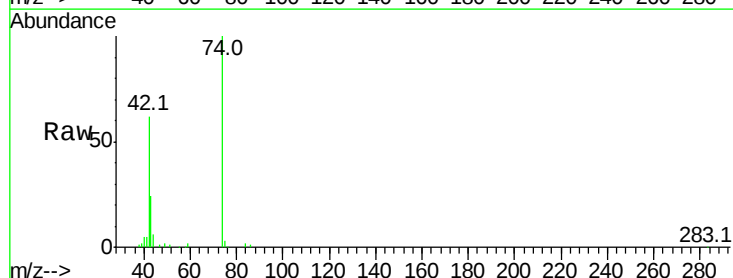
Tgt Ion: 42 Resp: 48603

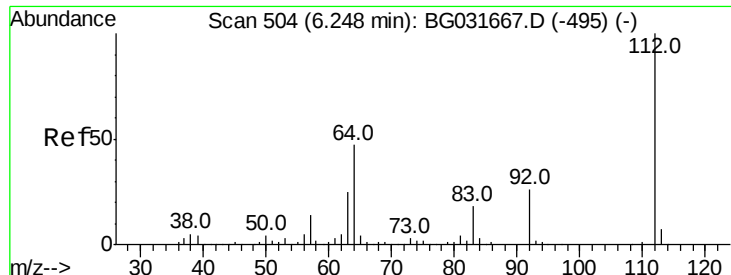
Ion Ratio Lower Upper

42 100

74 160.4 102.5 153.7#

44 10.3 18.9 28.3#





#5

2-Fluorophenol

Concen: 20.197 ng

RT: 6.25 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampled :

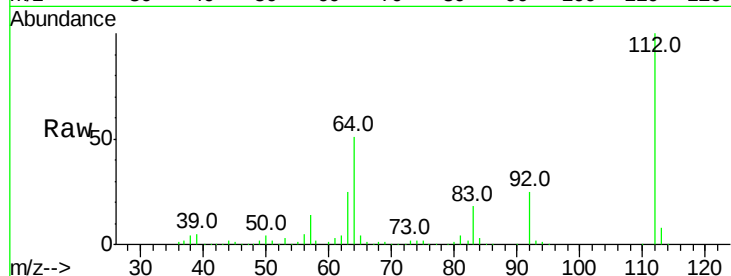
Tot Ion: 112 Resp: 249554

Ion Ratio Lower Upper

112 100

64 50.9 56.3 84.5#

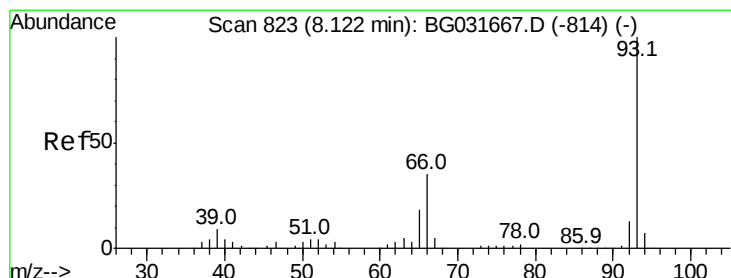
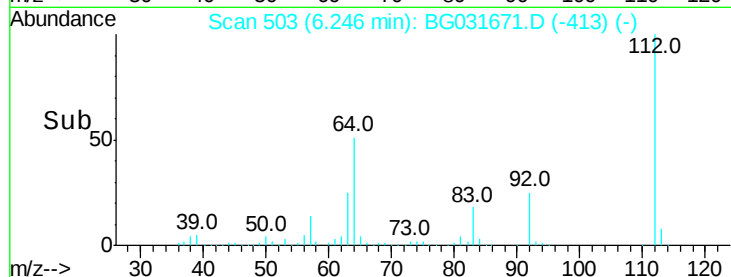
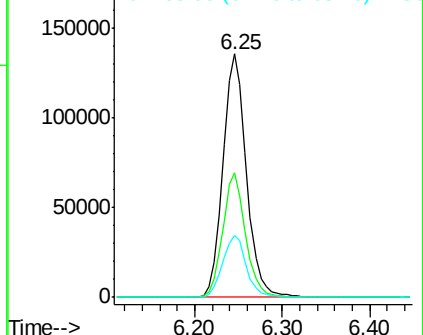
63 25.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.993 ng

RT: 8.13 min Scan# 823

Delta R.T. 0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

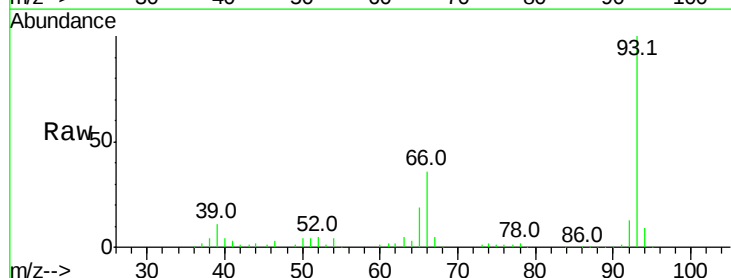
Tgt Ion: 93 Resp: 206241

Ion Ratio Lower Upper

93 100

66 36.4 33.7 50.5

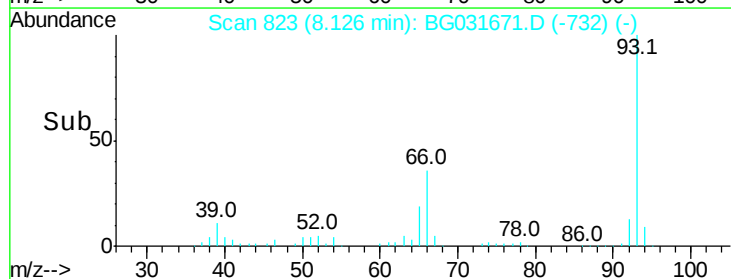
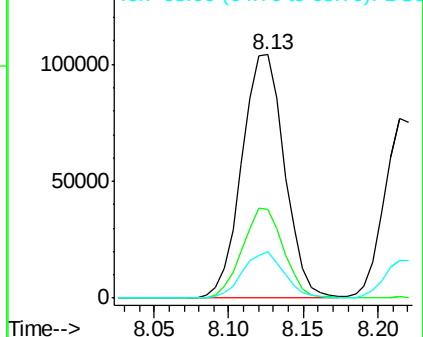
65 19.1 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 20.523 ng

RT: 7.93 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

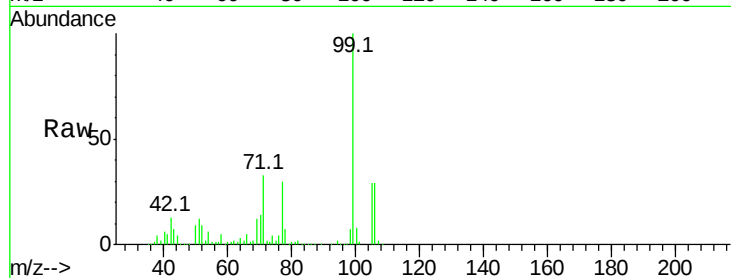
Tot Ion: 99 Resp: 329228

Ion Ratio Lower Upper

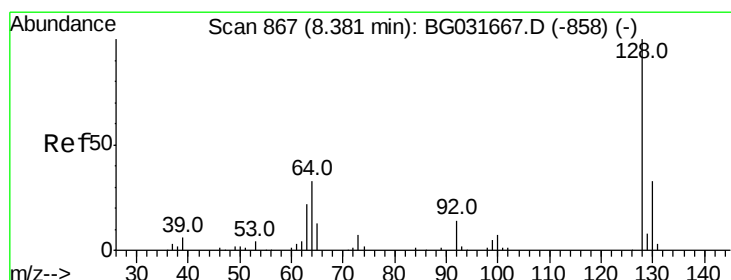
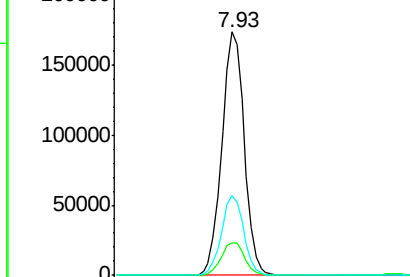
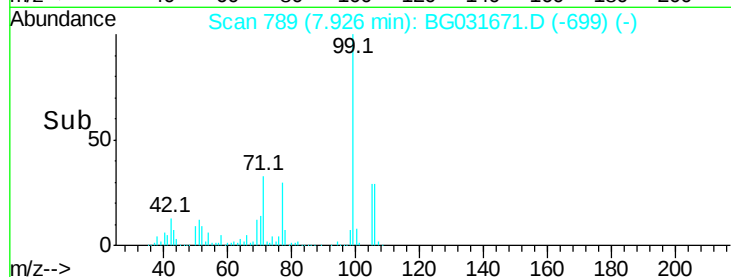
99 100

42 13.5 14.1 21.1#

71 33.0 26.1 39.1



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



#8

2-Chlorophenol

Concen: 10.051 ng

RT: 8.37 min Scan# 865

Delta R.T. -0.01 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

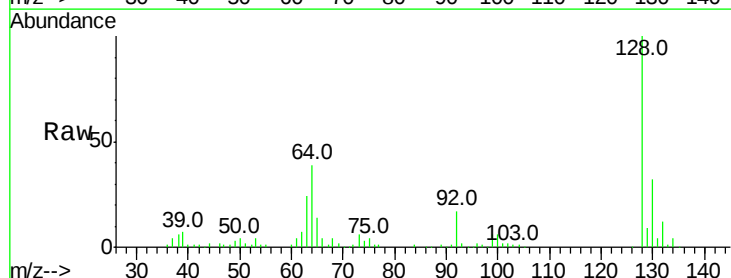
Tgt Ion: 128 Resp: 144061

Ion Ratio Lower Upper

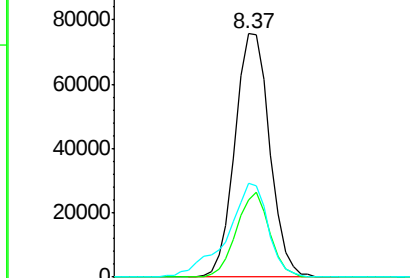
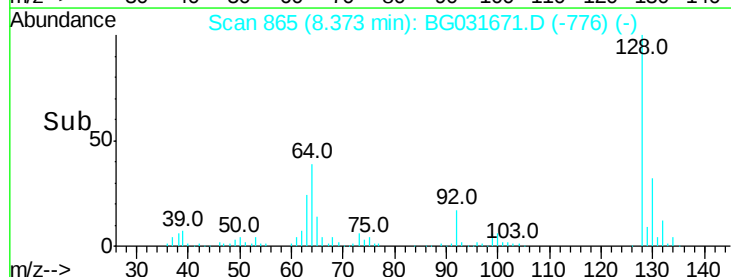
128 100

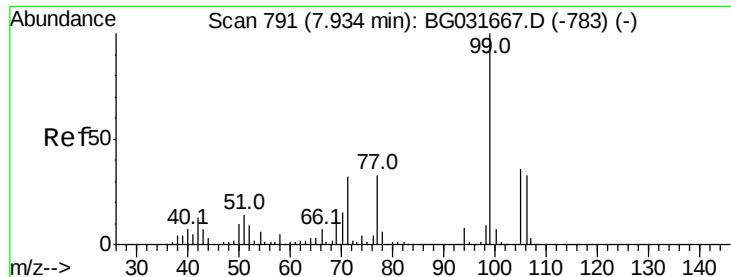
130 31.9 14.0 54.0

64 38.8 37.7 77.7



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





#9

Benzaldehyde

Concen: 0.662 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampled :

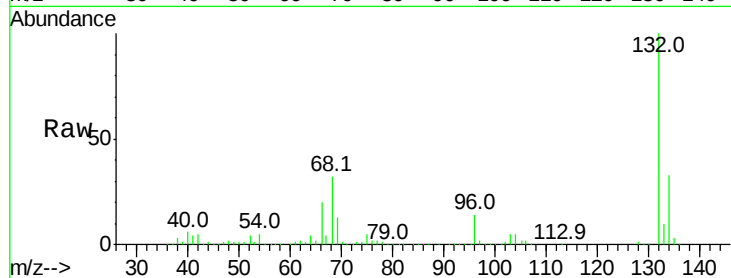
Tot Ion: 77 Resp: 6396

Ion Ratio Lower Upper

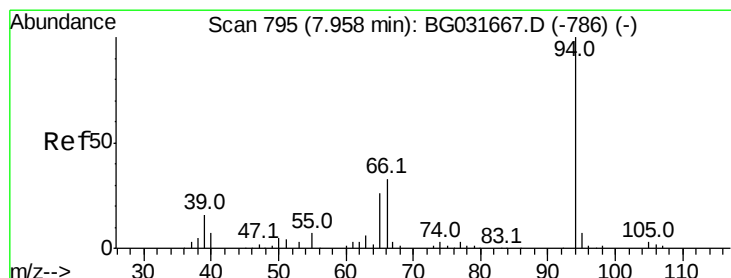
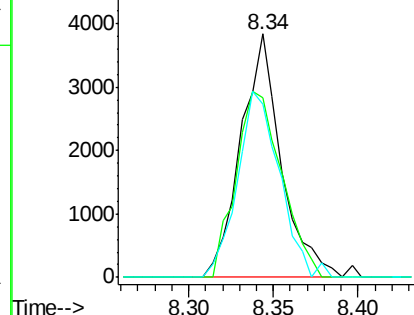
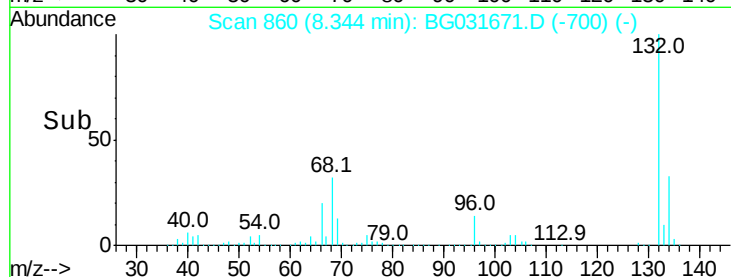
77 100

105 73.6 71.3 111.3

106 71.4 64.2 104.2



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



#10

Phenol

Concen: 10.126 ng

RT: 7.96 min Scan# 794

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

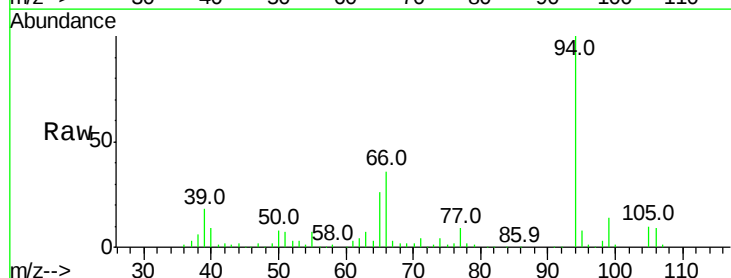
Tgt Ion: 94 Resp: 164006

Ion Ratio Lower Upper

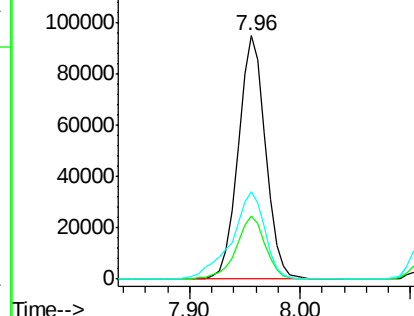
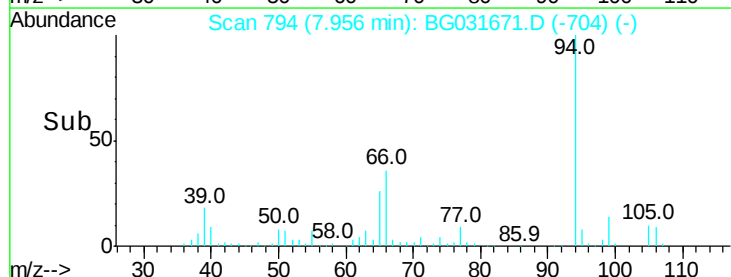
94 100

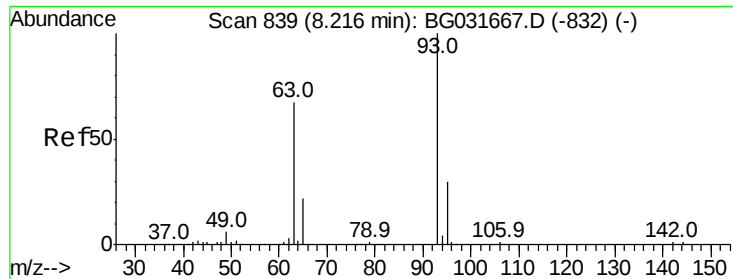
65 25.7 11.9 51.9

66 36.0 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

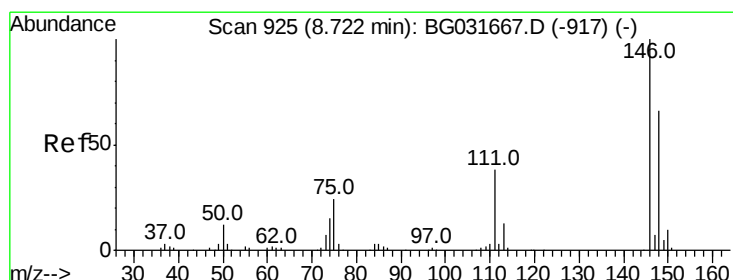
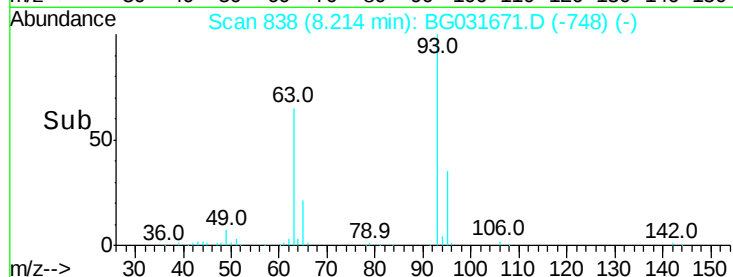
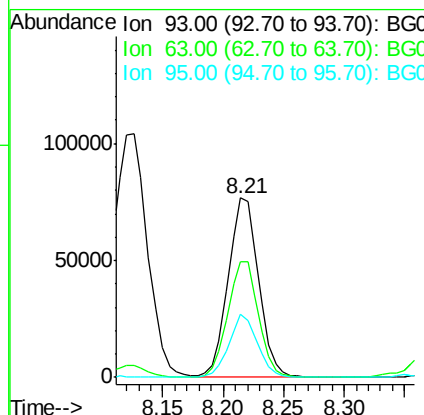
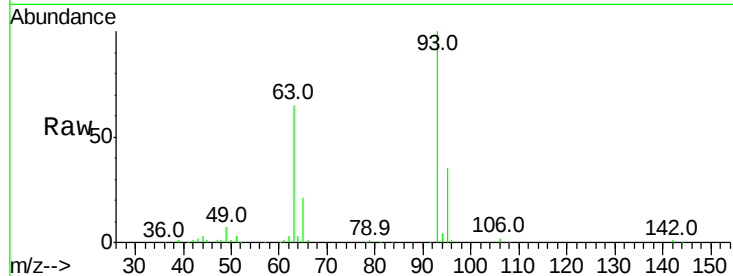




#11  
bis(2-Chloroethyl)ether  
Concen: 10.058 ng  
RT: 8.21 min Scan# 838  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

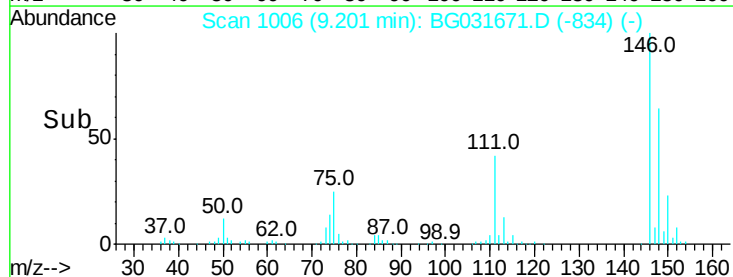
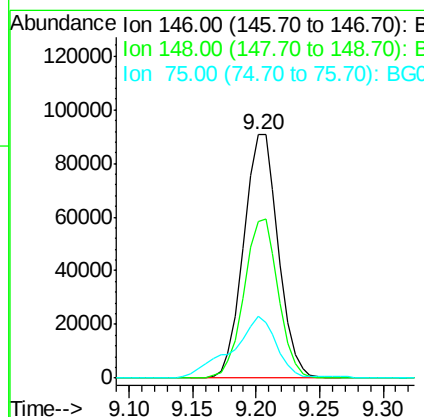
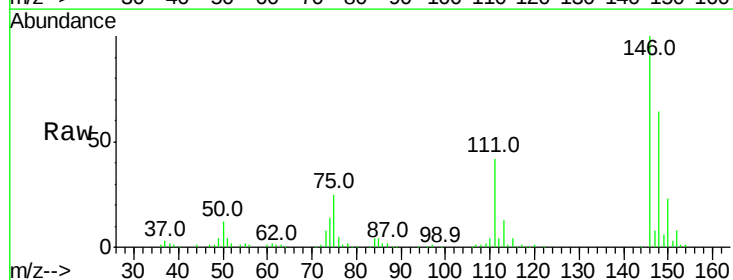
Instrument :  
BNA\_G  
ClientSampled :

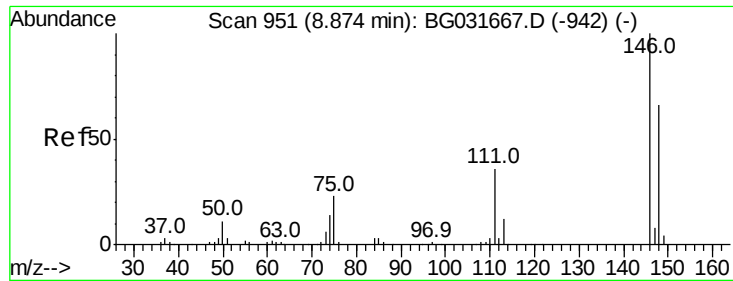
Tot Ion: 93 Resp: 135293  
Ion Ratio Lower Upper  
93 100  
63 64.7 67.1 107.1#  
95 35.2 11.5 51.5



#12  
1,3-Dichlorobenzene  
Concen: 9.679 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. 0.48 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion: 146 Resp: 172273  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.4 77.2  
75 25.4 26.6 39.8#

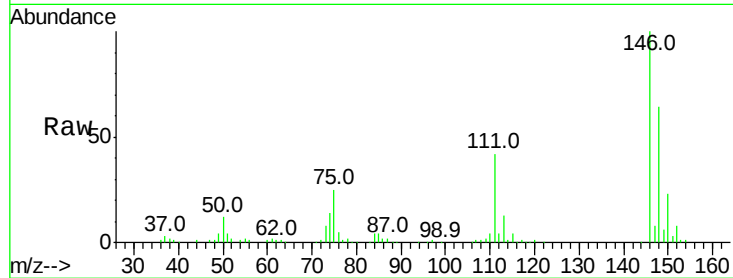




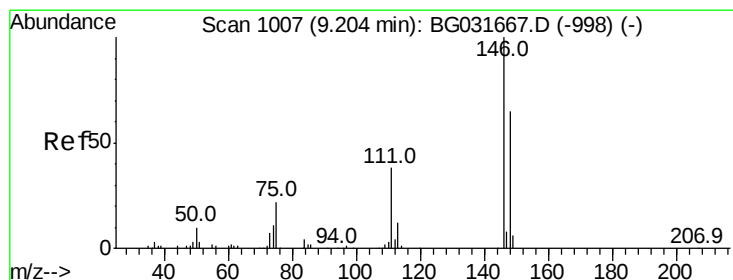
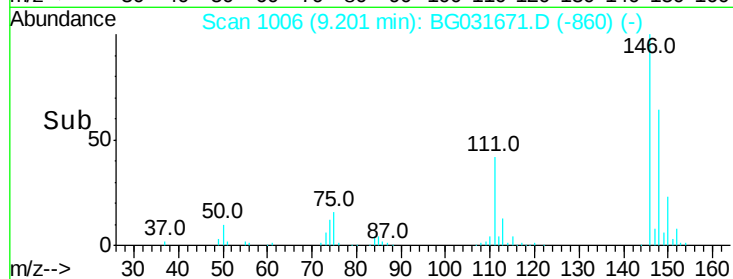
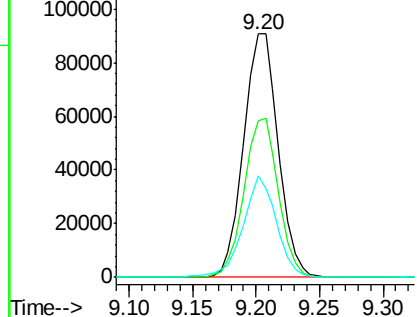
#13  
 1,4-Dichlorobenzene  
 Concen: 9.475 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. 0.33 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 172273  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 53.7 80.5  
 111 41.6 35.2 52.8

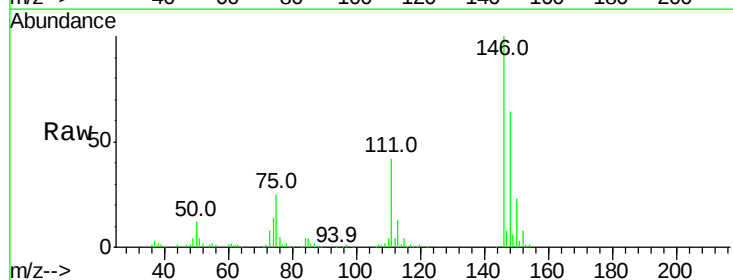


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

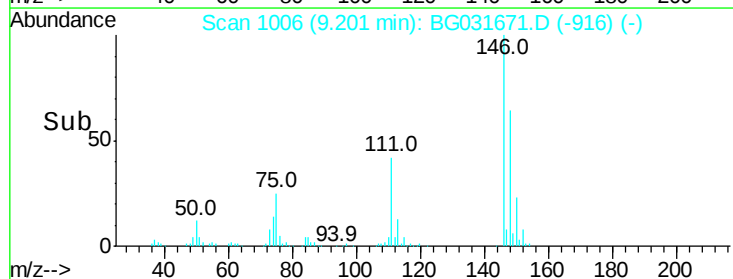
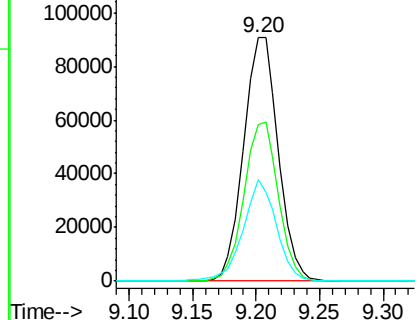


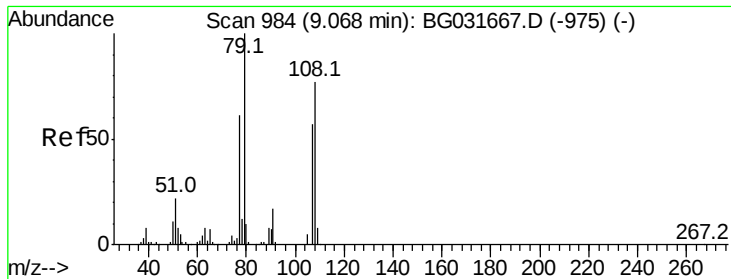
#14  
 1,2-Dichlorobenzene  
 Concen: 10.000 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Tgt Ion:146 Resp: 172273  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 49.3 73.9  
 111 41.6 34.3 51.5



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: 0.404 ng

RT: 9.42 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

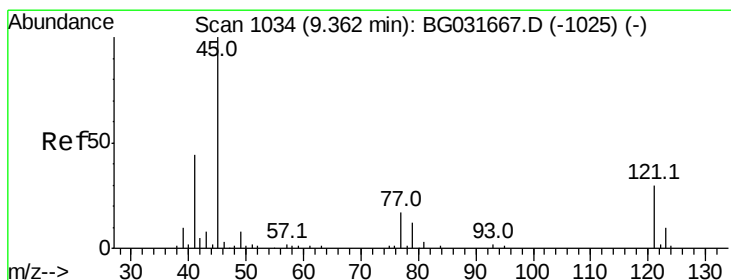
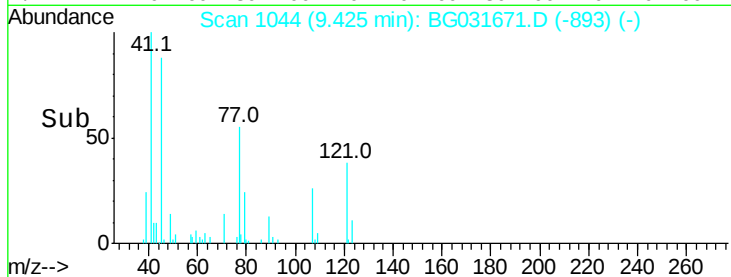
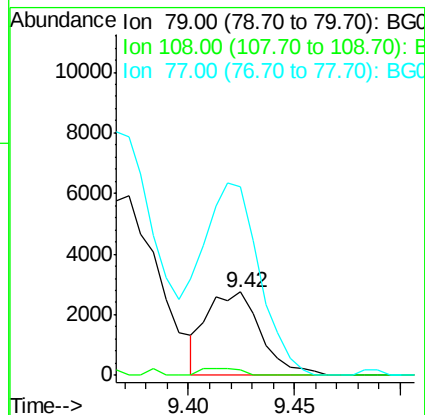
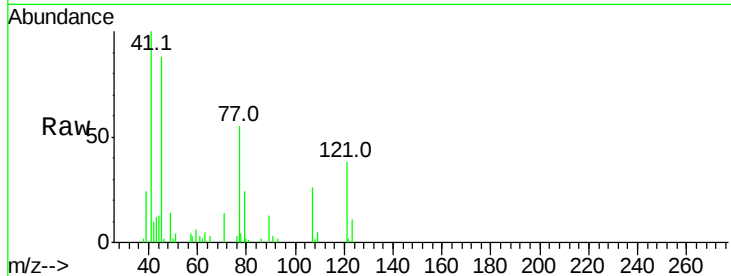
Tot Ion: 79 Resp: 4870

Ion Ratio Lower Upper

79 100

108 6.3 57.2 85.8#

77 226.6 46.1 69.1#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.883 ng

RT: 9.37 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

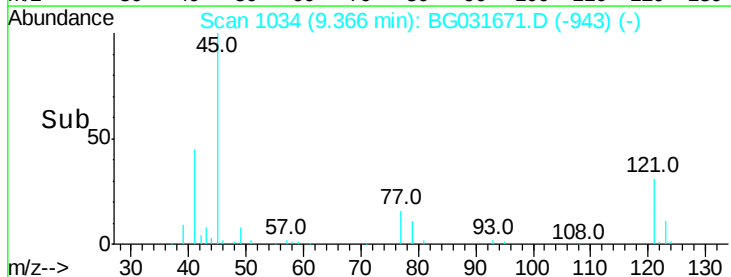
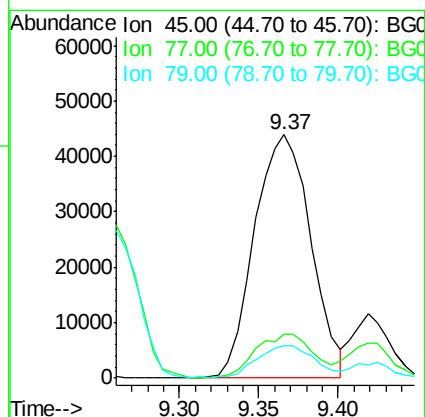
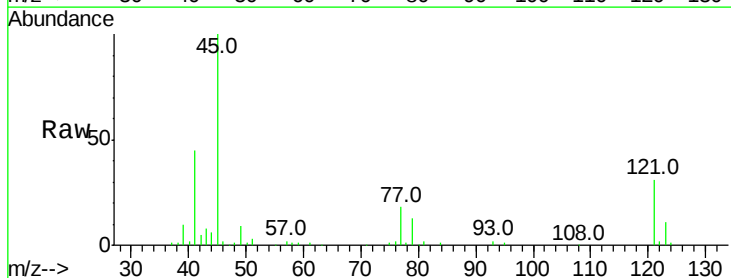
Tgt Ion: 45 Resp: 108250

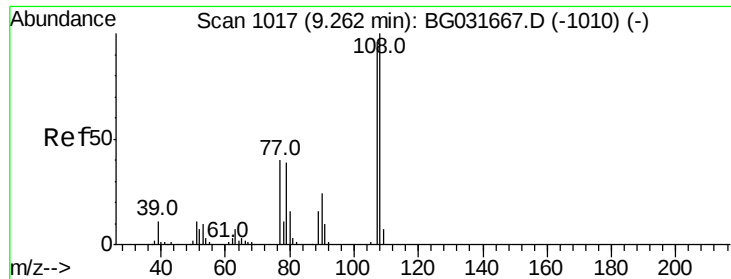
Ion Ratio Lower Upper

45 100

77 18.3 0.0 30.2

79 13.1 0.0 27.9

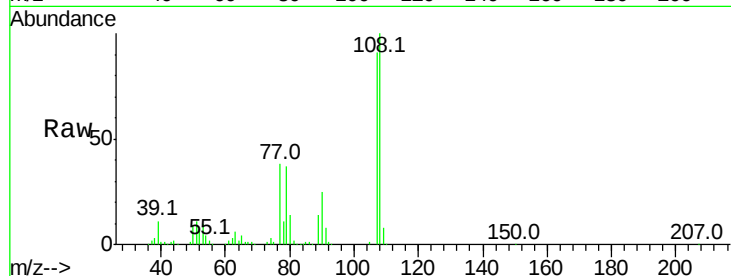




#17  
2-Methylphenol  
Concen: 10.313 ng  
RT: 9.26 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.9 | 83.9  | 125.9 |
| 77      | 41.6  | 37.2  | 55.8  |
| 79      | 40.4  | 36.2  | 54.2  |



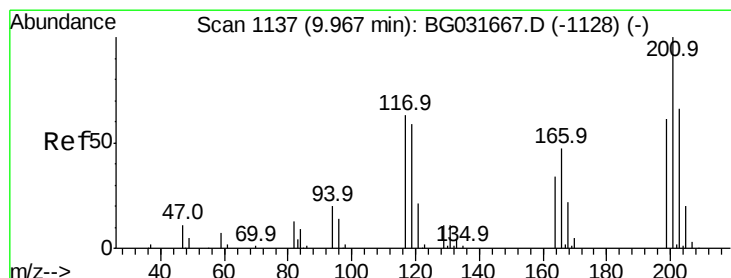
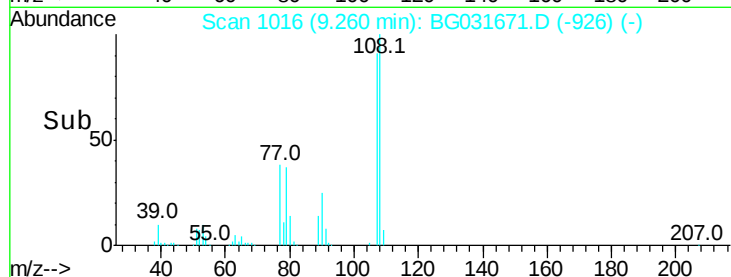
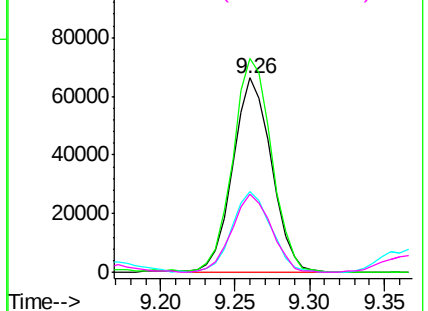
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

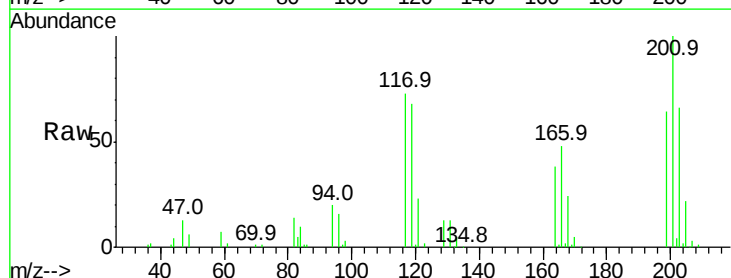
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 9.840 ng  
RT: 9.96 min Scan# 1135  
Delta R.T. -0.01 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.1  | 76.7  | 115.1 |
| 201     | 137.8 | 95.7  | 143.5 |

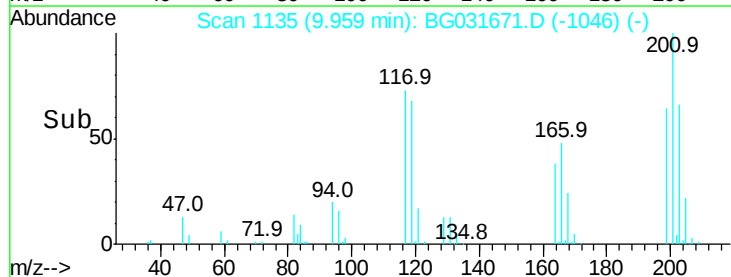
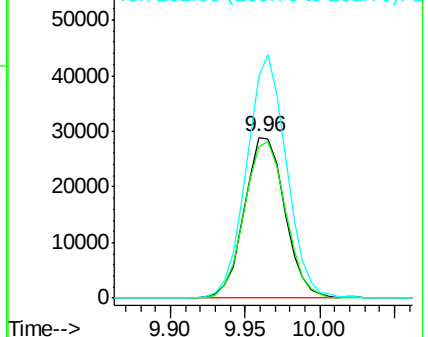


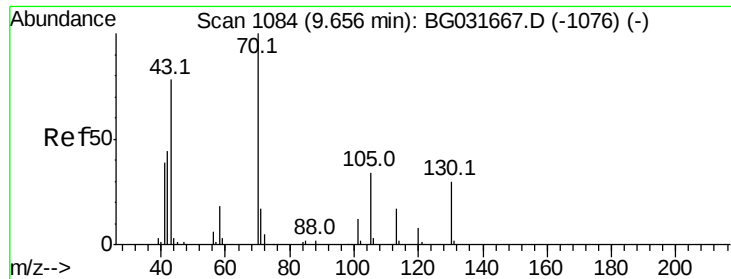
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

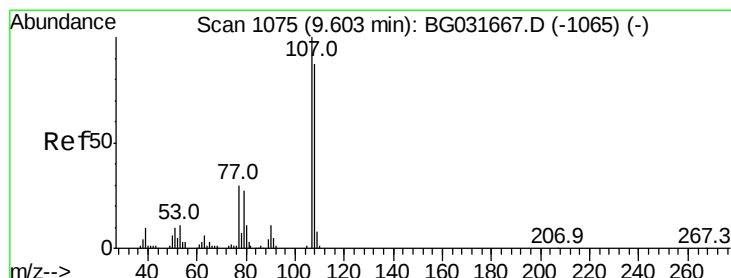
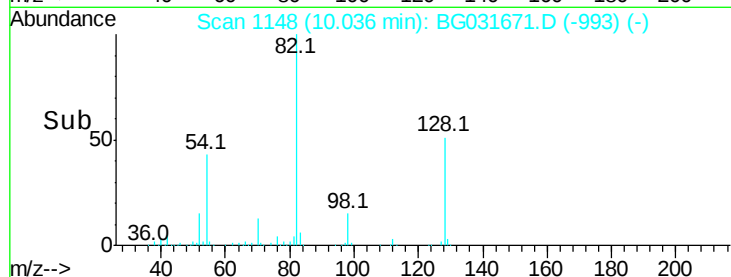
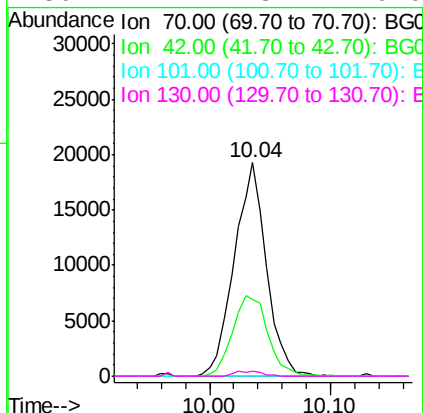
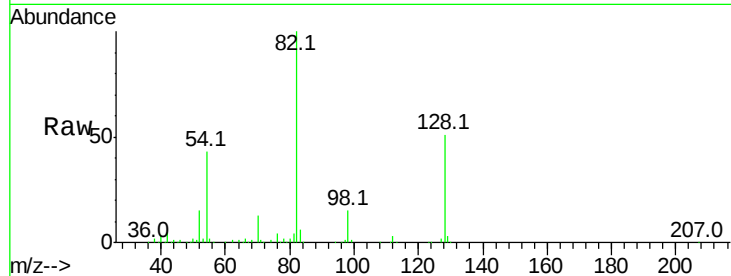




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.254 ng  
RT: 10.04 min Scan# 1148  
Delta R.T. 0.38 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

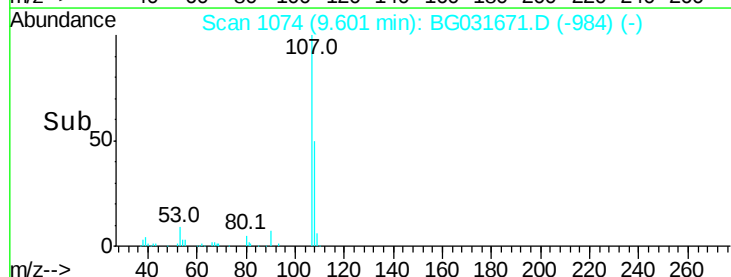
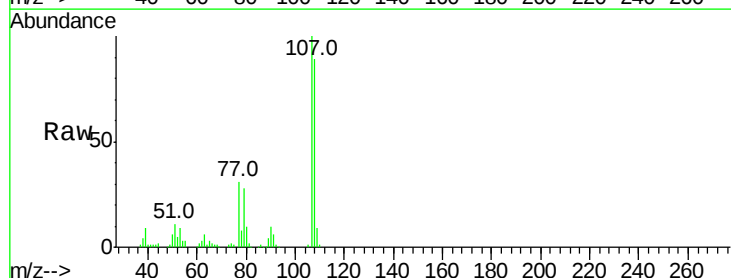
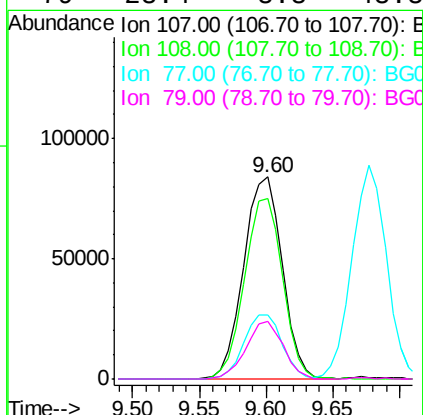
Instrument :  
BNA\_G  
ClientSampled :

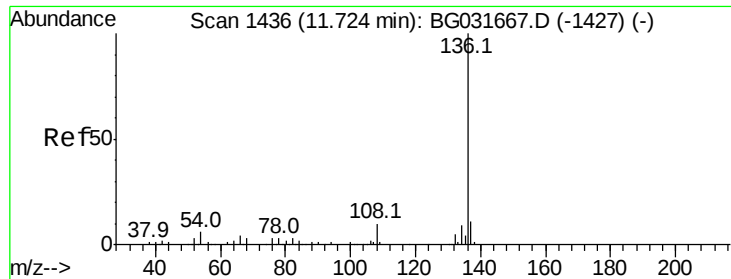
Tot Ion: 70 Resp: 35654  
Ion Ratio Lower Upper  
70 100  
42 35.9 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.7 13.4 20.0#



#20  
3+4-Methylphenols  
Concen: 10.194 ng  
RT: 9.60 min Scan# 1074  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion: 107 Resp: 167892  
Ion Ratio Lower Upper  
107 100  
108 89.0 61.6 101.6  
77 31.5 13.9 53.9  
79 28.4 8.8 48.8

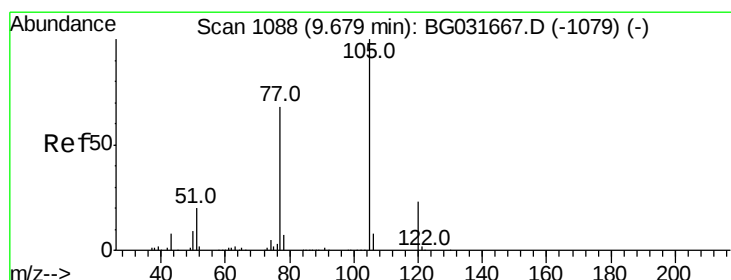
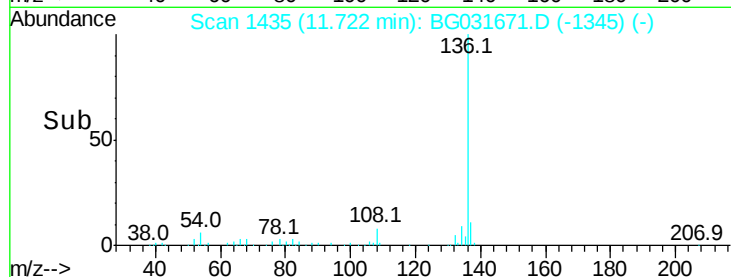
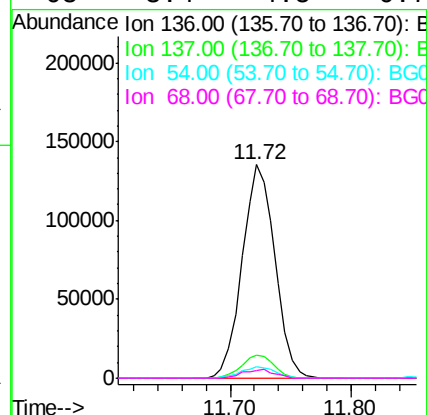
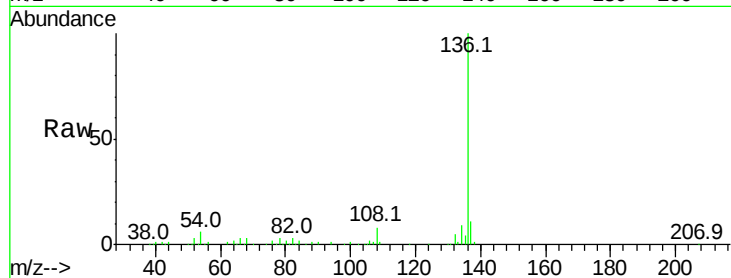




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.72 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

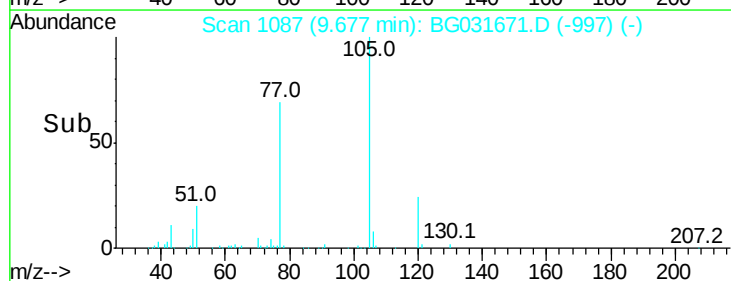
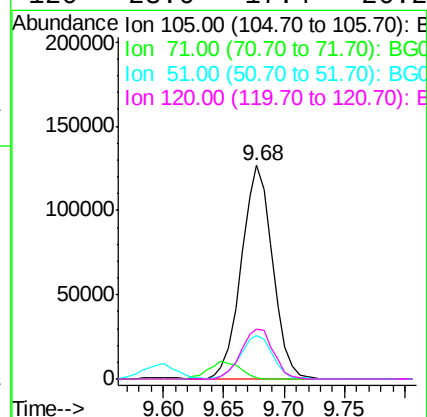
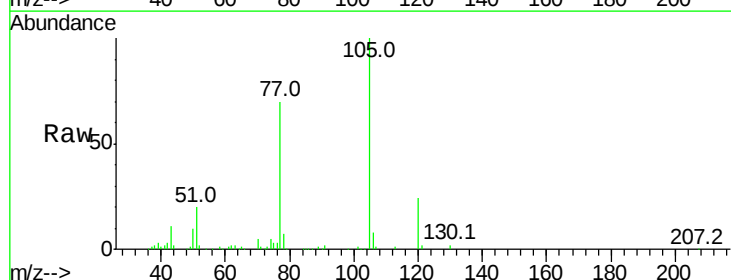
Instrument :  
BNA\_G  
ClientSampleId :

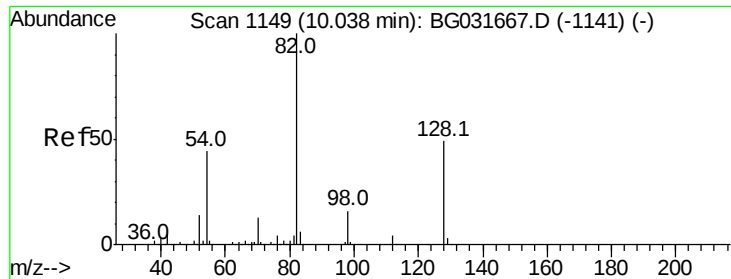
|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 255346     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.7  | 9.2 13.8   |
| 54          | 5.5   | 10.3 15.5# |
| 68          | 3.4   | 4.5 6.7#   |



#22  
Acetophenone  
Concen: 38.474 ng  
RT: 9.68 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 228245     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.9   | 3.0 4.4#   |
| 51          | 20.2  | 26.1 39.1# |
| 120         | 23.6  | 17.4 26.2  |

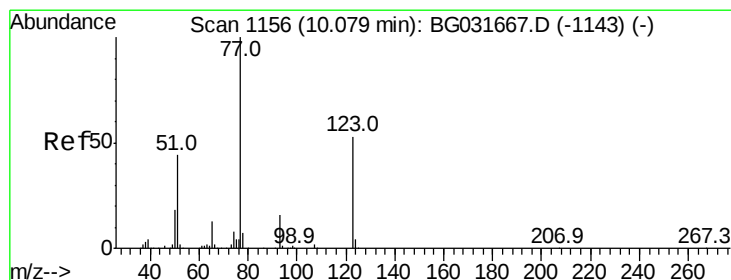
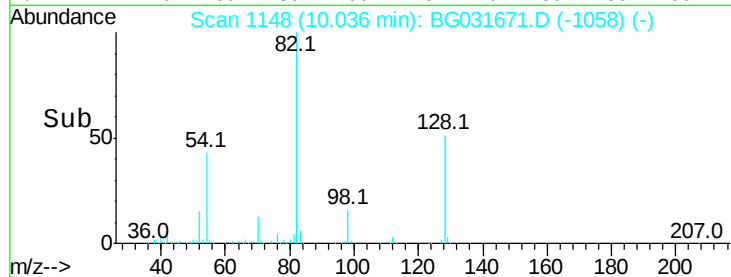
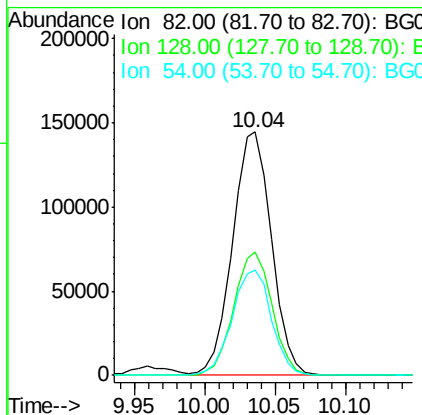
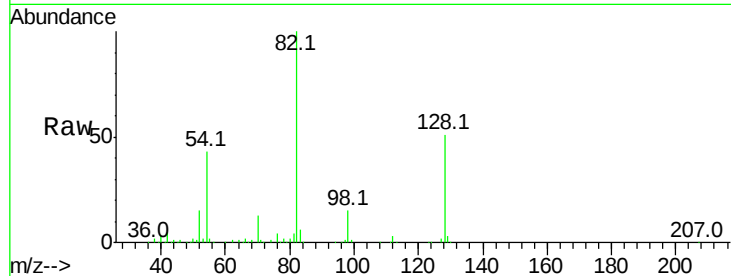




#23  
Nitrobenzene-d5  
Concen: 82.277 ng  
RT: 10.04 min Scan# 1148  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

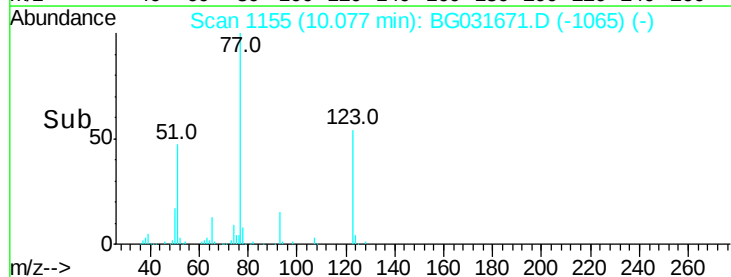
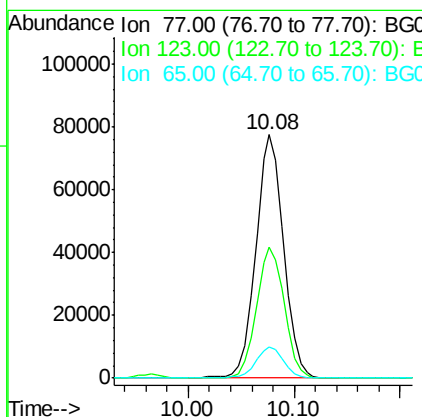
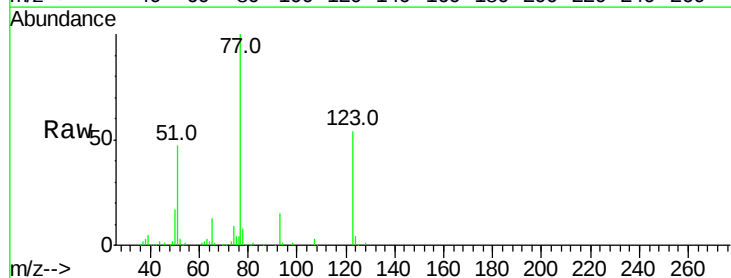
Instrument :  
BNA\_G  
ClientSampleId :

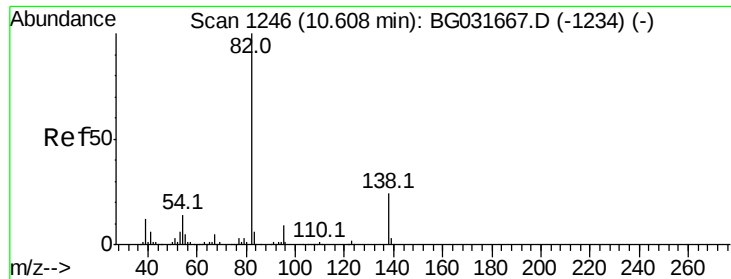
Tot Ion: 82 Resp: 278222  
Ion Ratio Lower Upper  
82 100  
128 50.7 29.7 44.5#  
54 43.3 43.1 64.7



#24  
Nitrobenzene  
Concen: 40.537 ng  
RT: 10.08 min Scan# 1155  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion: 77 Resp: 141278  
Ion Ratio Lower Upper  
77 100  
123 54.0 33.0 49.6#  
65 12.9 13.0 19.6#





#25

Isophorone

Concen: 38.807 ng

RT: 10.61 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

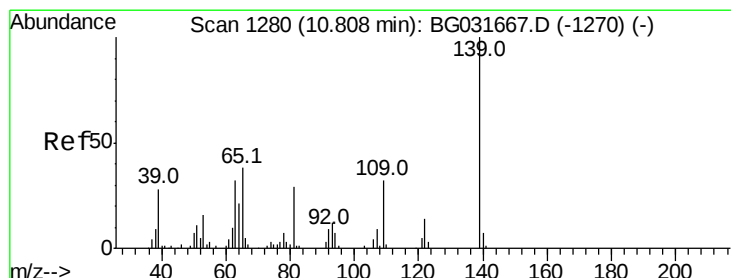
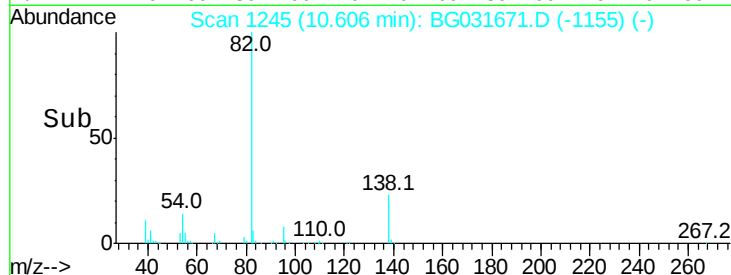
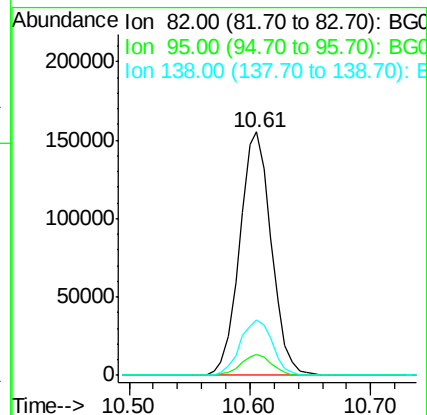
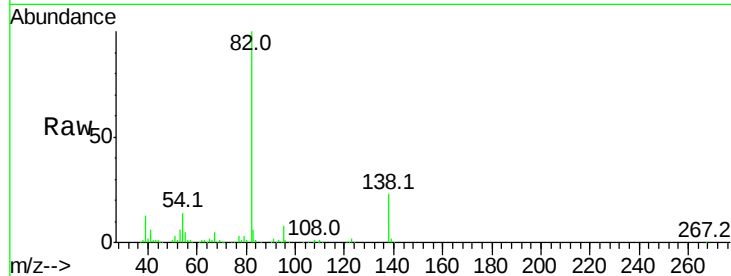
Tot Ion: 82 Resp: 282494

Ion Ratio Lower Upper

82 100

95 8.4 6.2 9.2

138 22.9 12.1 18.1#



#26

2-Nitrophenol

Concen: 41.133 ng

RT: 10.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

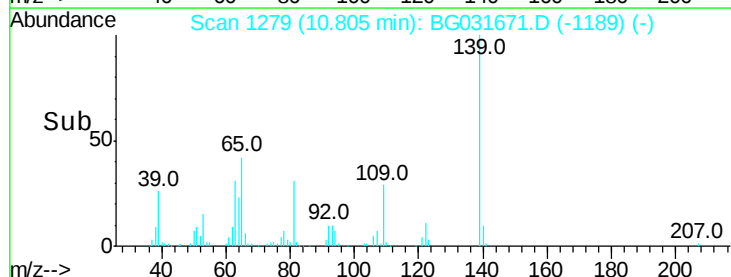
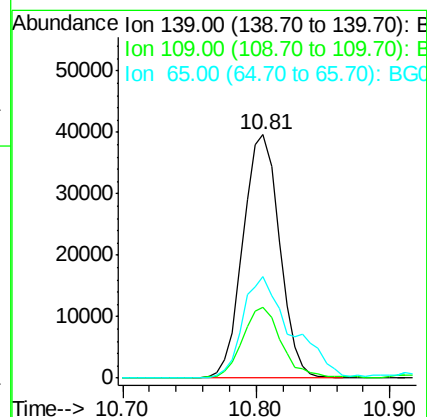
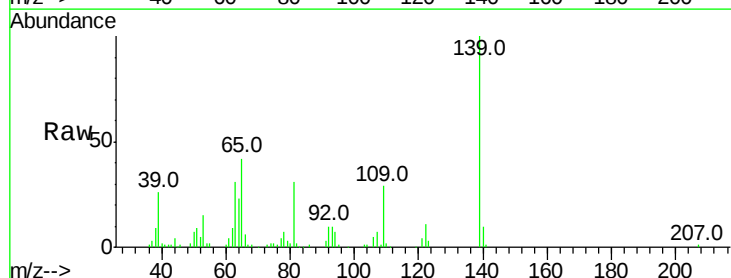
Tgt Ion: 139 Resp: 75163

Ion Ratio Lower Upper

139 100

109 29.0 24.2 36.2

65 41.6 47.4 71.0#





#27

2,4-Dimethylphenol

Concen: 38.120 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

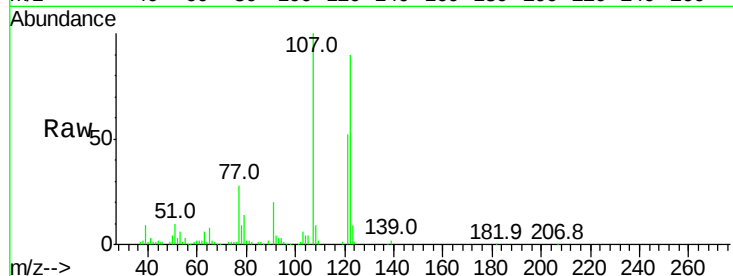
Tot Ion:122 Resp: 146578

Ion Ratio Lower Upper

122 100

107 111.6 100.2 150.2

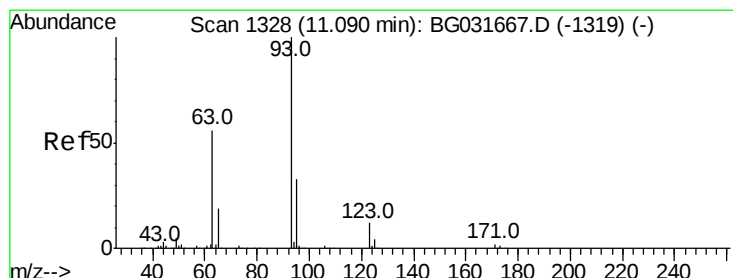
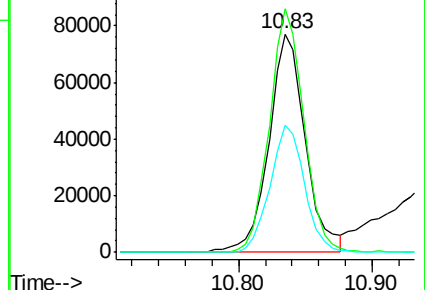
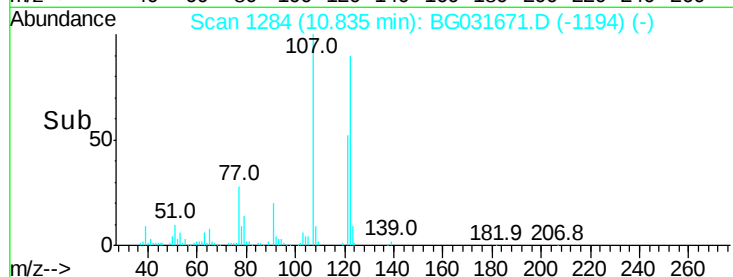
121 58.5 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.150 ng

RT: 11.09 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

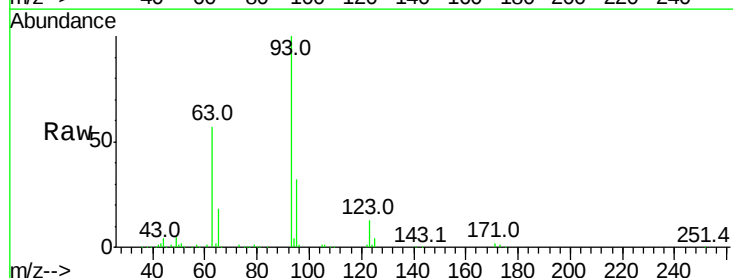
Tgt Ion: 93 Resp: 186342

Ion Ratio Lower Upper

93 100

95 31.9 24.3 36.5

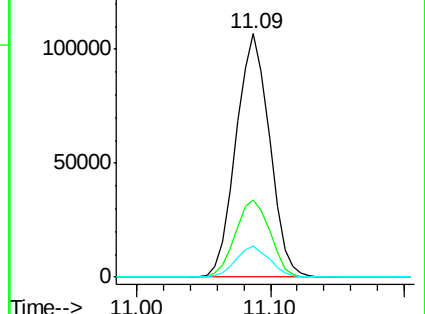
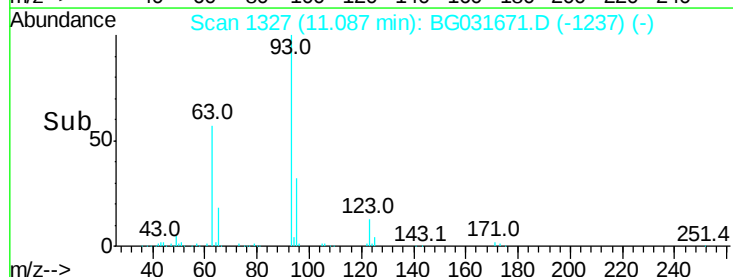
123 12.6 8.4 12.6#

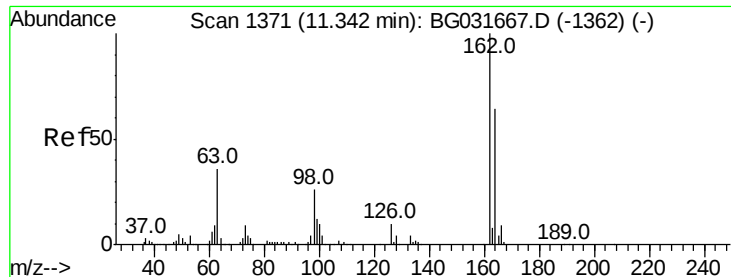


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

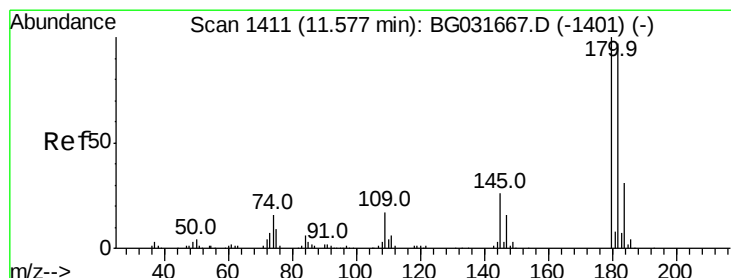
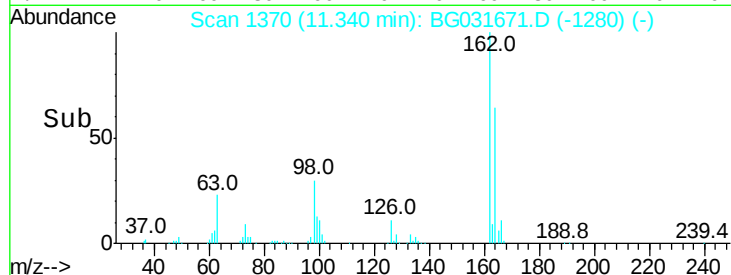
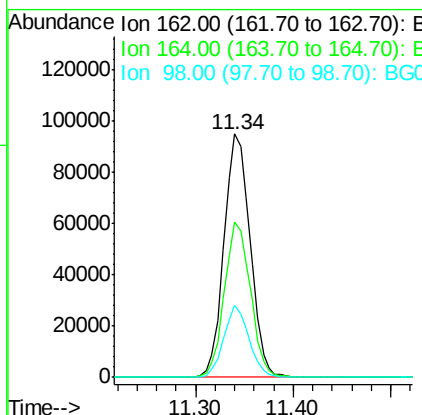
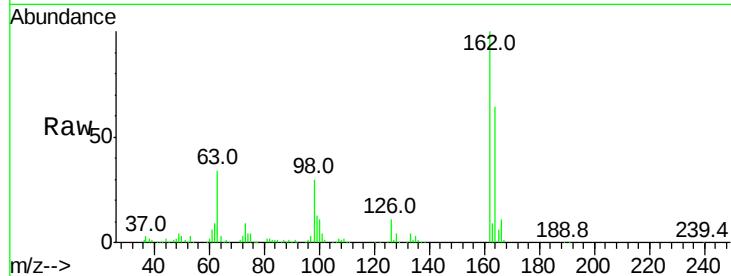




#29  
 2,4-Dichlorophenol  
 Concen: 39.111 ng  
 RT: 11.34 min Scan# 1370  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

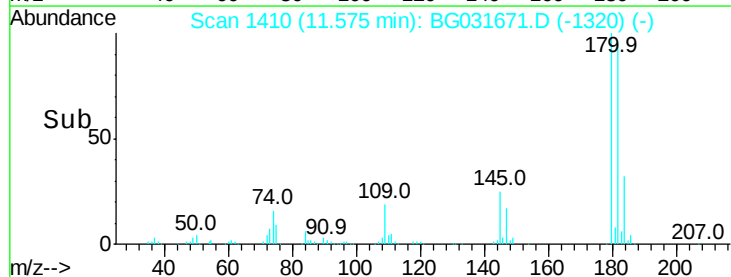
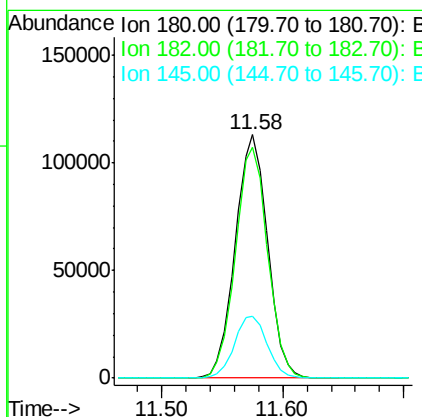
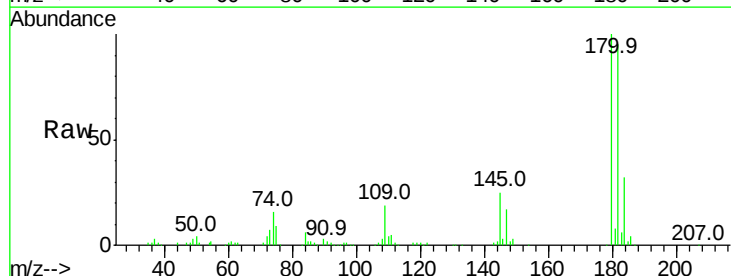
Instrument :  
 BNA\_G  
 ClientSampleId :

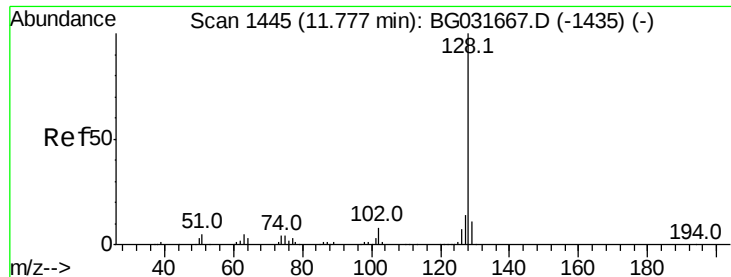
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 48.0  | 88.0  |
| 98      | 29.8  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.232 ng  
 RT: 11.58 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 77.5  | 116.3 |
| 145     | 25.2  | 23.4  | 35.2  |

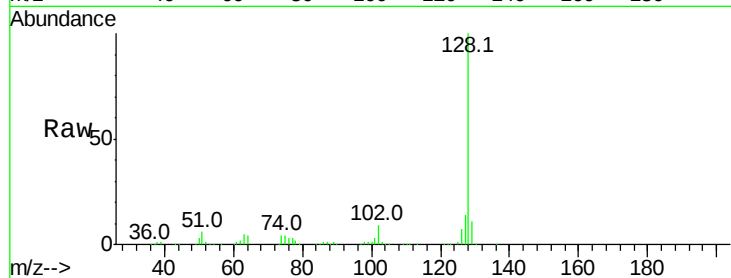




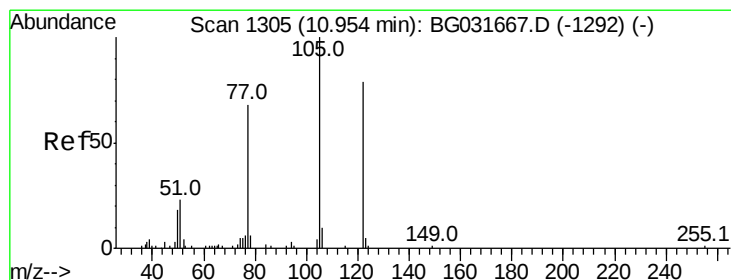
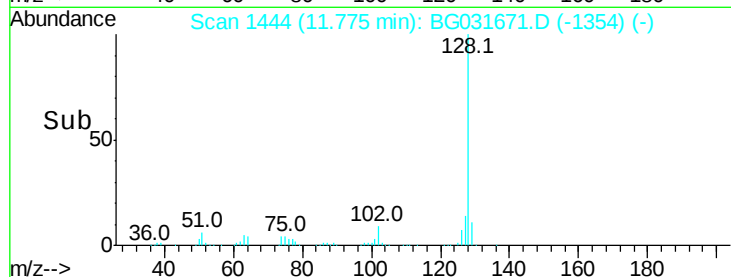
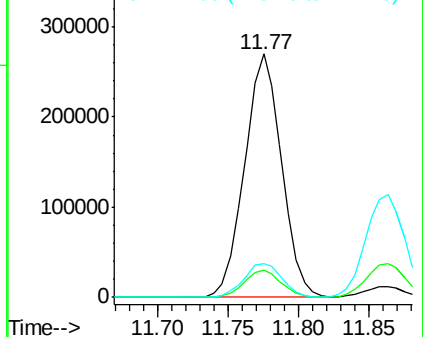
#31  
Naphthalene  
Concen: 38.414 ng  
RT: 11.77 min Scan# 1444  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 495032  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.6 12.8  
127 14.1 11.6 17.4

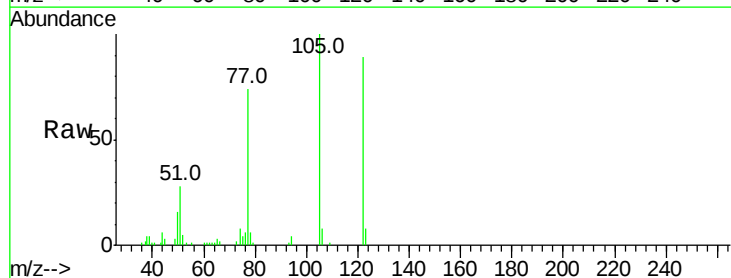


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

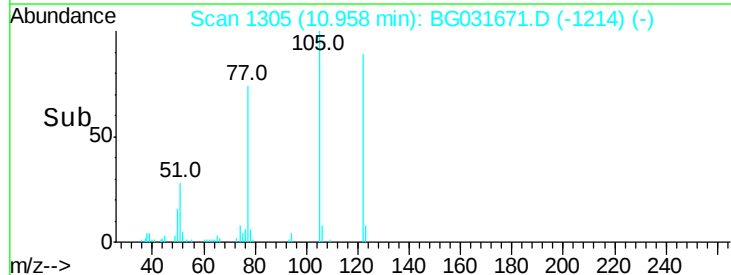
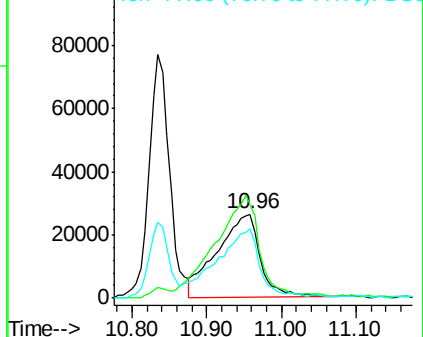


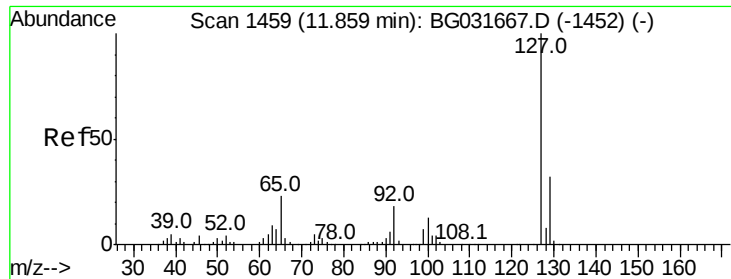
#32  
Benzoic acid  
Concen: 41.267 ng  
RT: 10.96 min Scan# 1305  
Delta R.T. 0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:122 Resp: 105348  
Ion Ratio Lower Upper  
122 100  
105 112.3 123.5 163.5#  
77 83.2 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

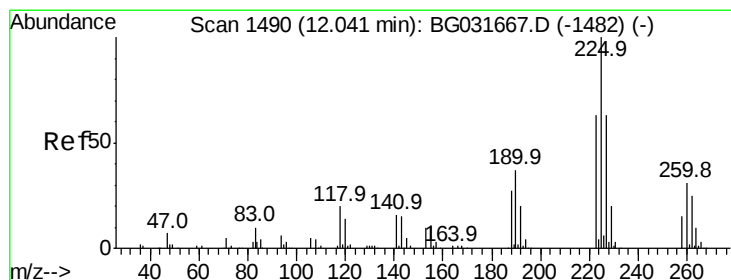
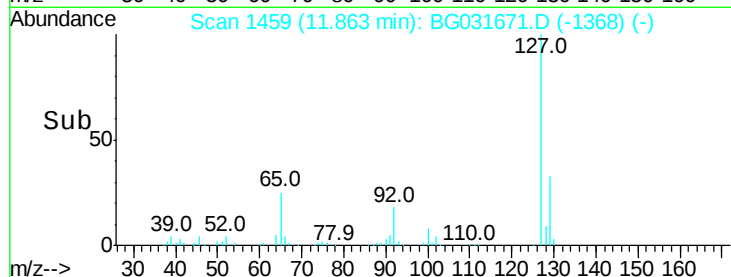
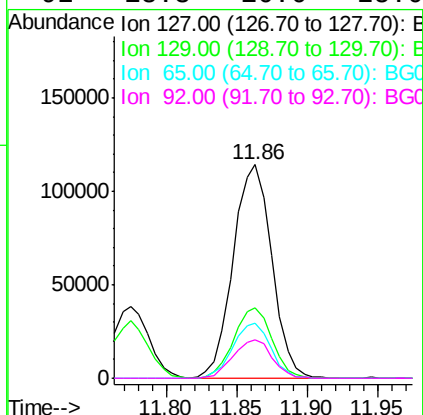
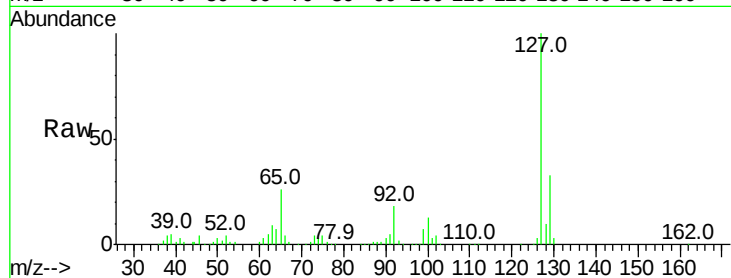




#33  
4-Chloroaniline  
Concen: 37.979 ng  
RT: 11.86 min Scan# 1459  
Delta R.T. 0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

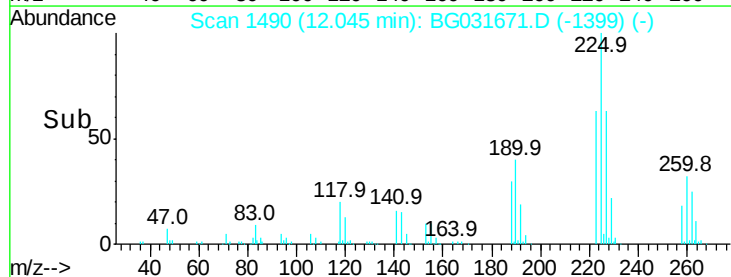
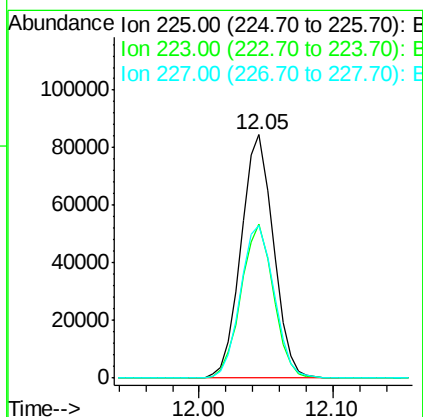
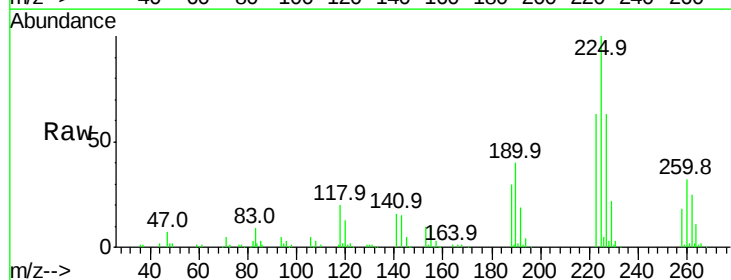
Instrument :  
BNA\_G  
ClientSampleId :

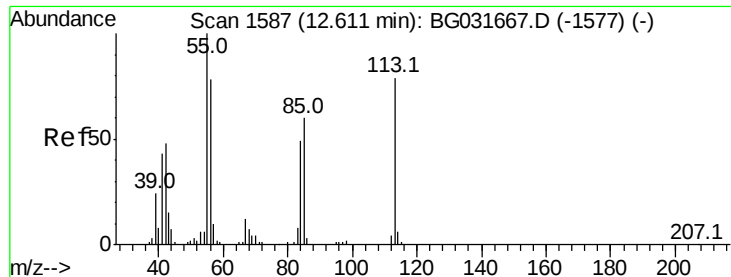
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 217898 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.1  | 24.0  | 36.0   |
| 65       | 25.5  | 27.0  | 40.4#  |
| 92       | 18.3  | 16.6  | 25.0   |



#34  
Hexachlorobutadiene  
Concen: 37.532 ng  
RT: 12.05 min Scan# 1490  
Delta R.T. 0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 142016 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 49.7  | 74.5   |
| 227      | 62.9  | 48.1  | 72.1   |





#35

Caprolactam

Concen: 38.107 ng

RT: 12.61 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

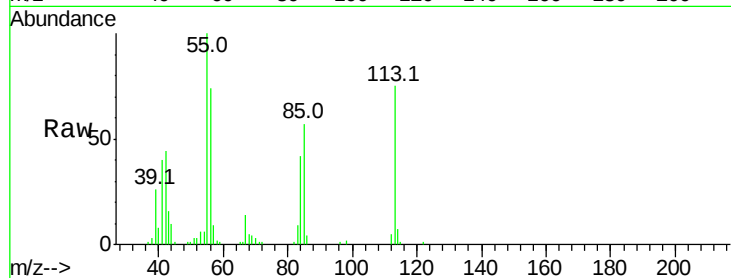
Tot Ion:113 Resp: 52141

Ion Ratio Lower Upper

113 100

55 133.2 186.9 226.9#

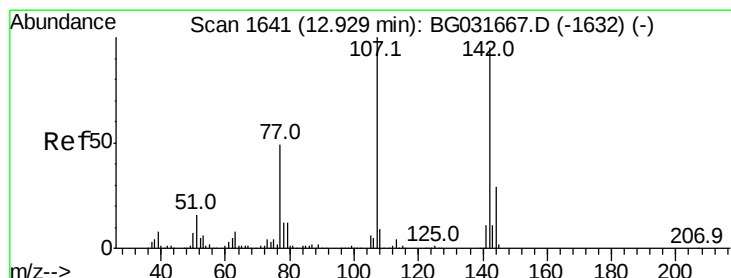
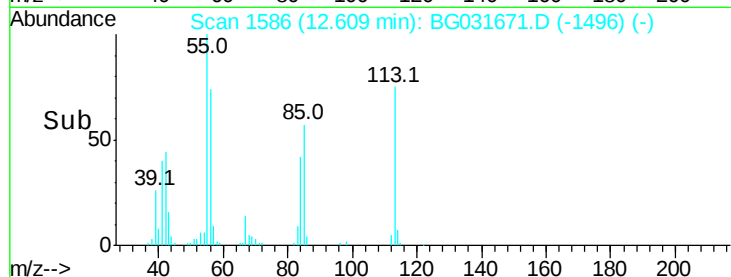
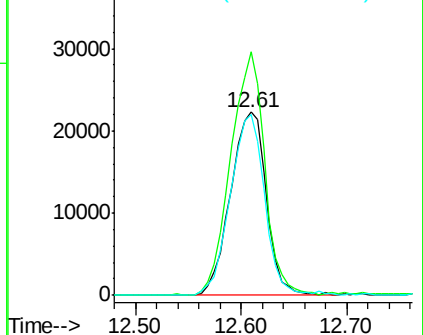
56 98.7 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 38.762 ng

RT: 12.93 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

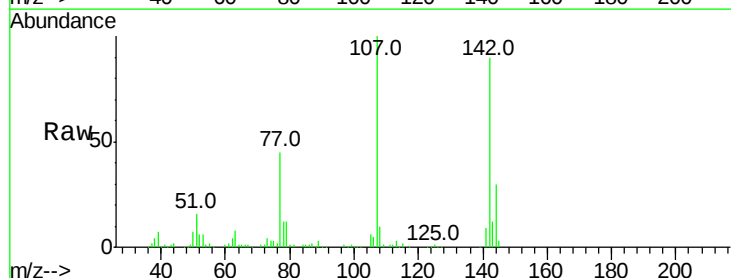
Tgt Ion:107 Resp: 161600

Ion Ratio Lower Upper

107 100

144 30.4 18.2 27.4#

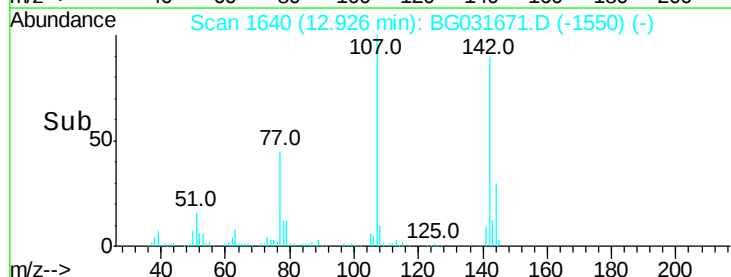
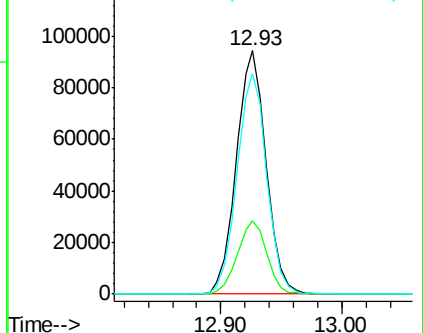
142 90.4 59.0 88.4#

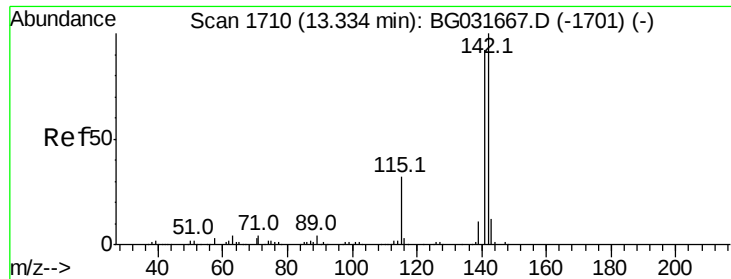


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

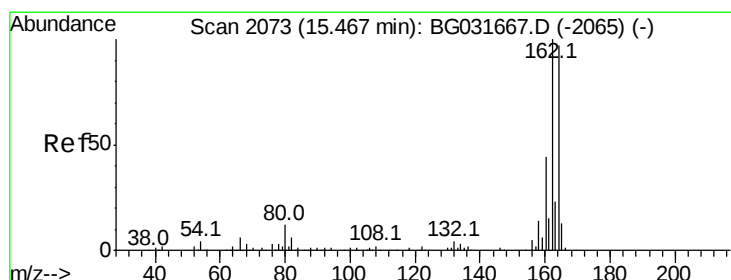
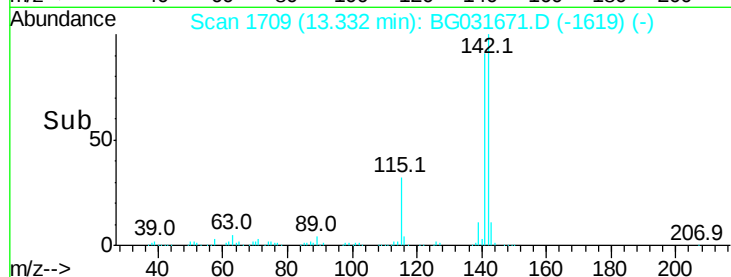
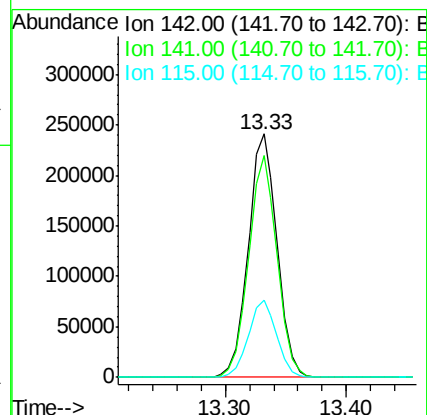
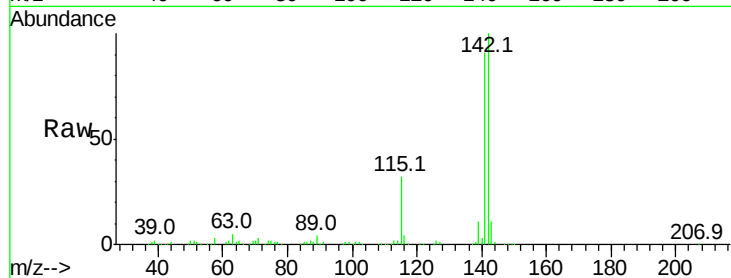




#37  
2-Methylnaphthalene  
Concen: 38.132 ng  
RT: 13.33 min Scan# 1709  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

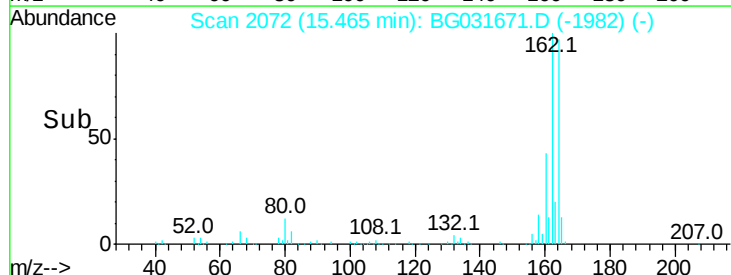
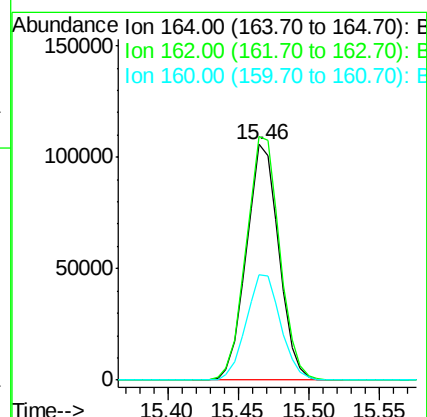
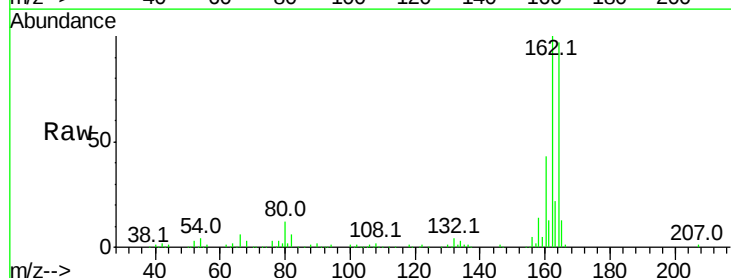
Instrument :  
BNA\_G  
ClientSampleId :

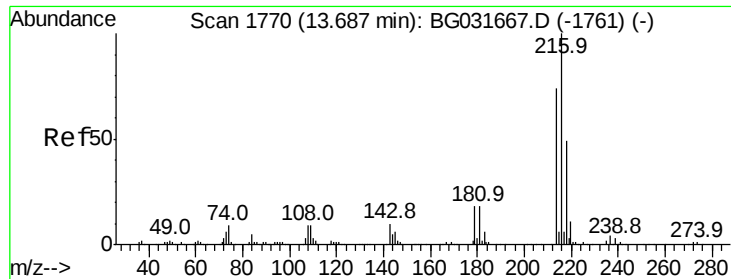
Tot Ion:142 Resp: 398362  
Ion Ratio Lower Upper  
142 100  
141 90.9 67.1 100.7  
115 31.7 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2072  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:164 Resp: 170685  
Ion Ratio Lower Upper  
164 100  
162 103.3 78.8 118.2  
160 44.6 35.4 53.0

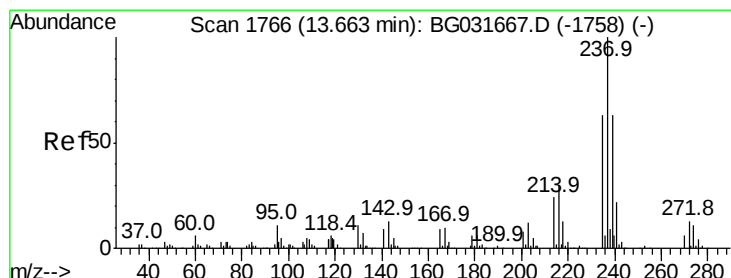
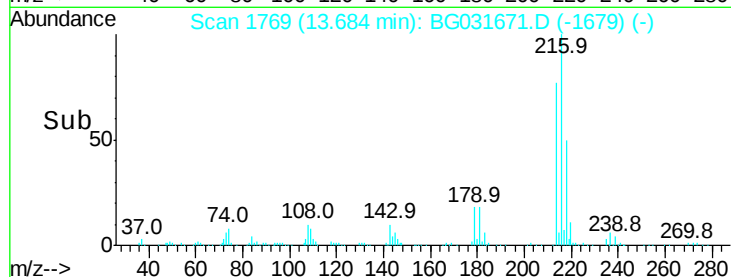
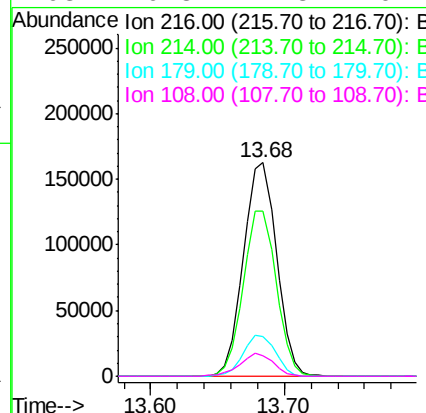
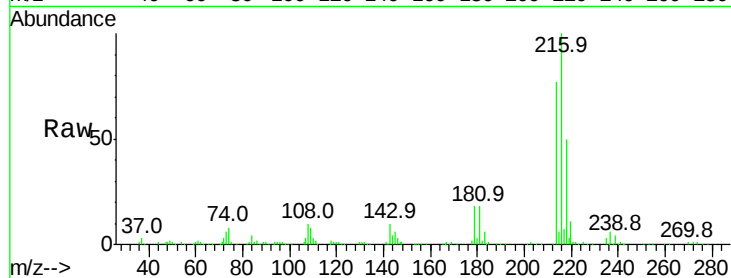




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.920 ng  
 RT: 13.68 min Scan# 1769  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

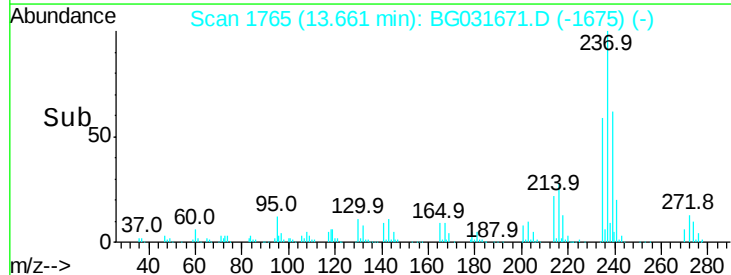
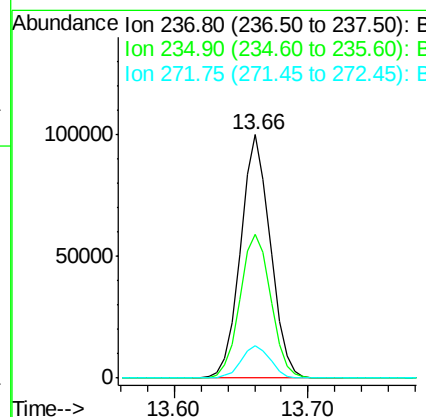
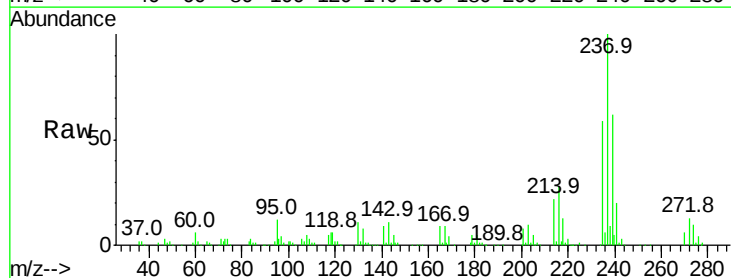
Instrument :  
 BNA\_G  
 ClientSampleId :

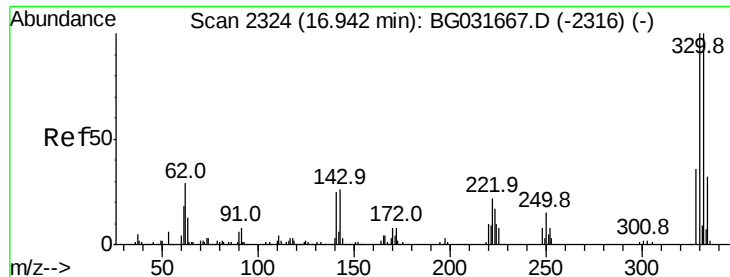
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 279814 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.1  | 63.0  | 94.4   |
| 179      | 18.7  | 17.0  | 25.6   |
| 108      | 10.8  | 12.8  | 19.2#  |



#40  
 Hexachlorocyclopentadiene  
 Concen: 40.534 ng  
 RT: 13.66 min Scan# 1765  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 153731 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 59.0  | 50.4  | 90.4   |
| 272      | 13.2  | 0.0   | 31.8   |

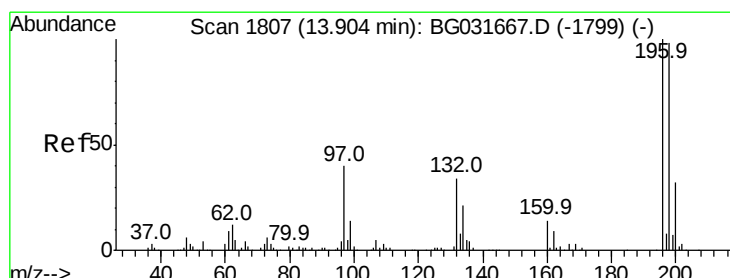
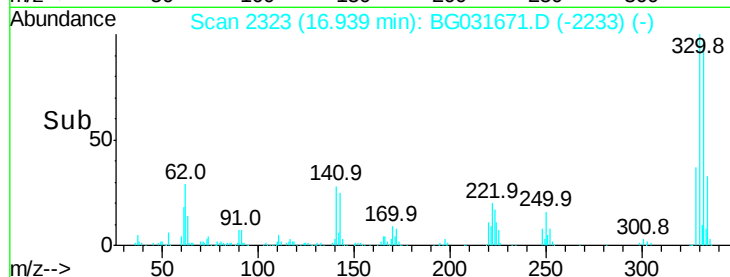
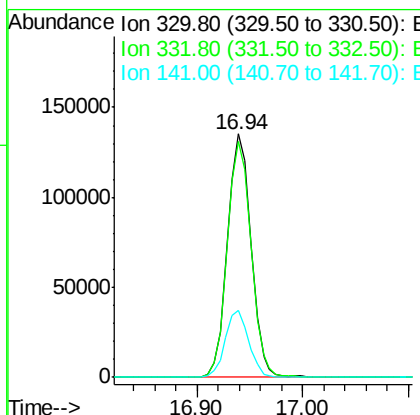
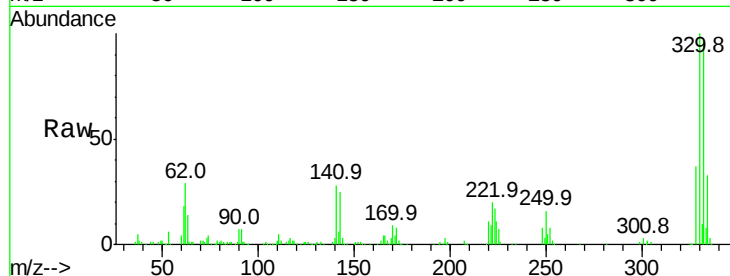




#41  
 2,4,6-Tribromophenol  
 Concen: 80.019 ng  
 RT: 16.94 min Scan# 2323  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

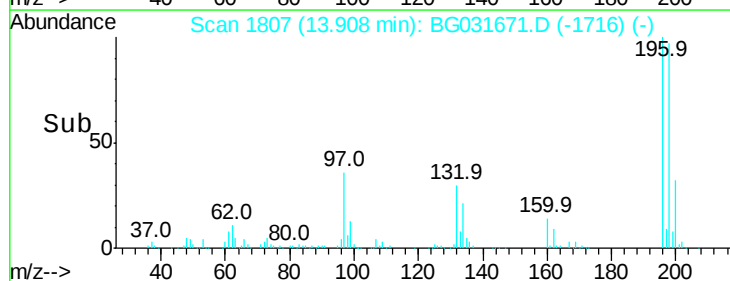
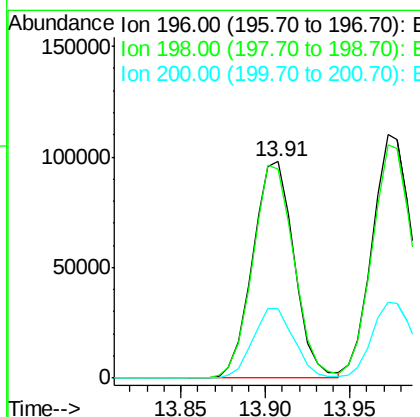
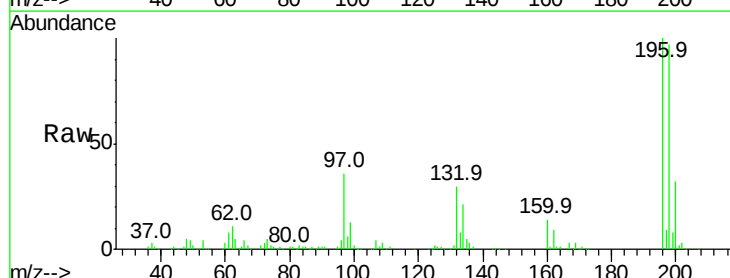
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.0  | 115.6 |
| 141     | 27.4  | 25.2  | 37.8  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 40.253 ng  
 RT: 13.91 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.6  | 78.2  | 117.2 |
| 200     | 32.3  | 24.6  | 36.8  |

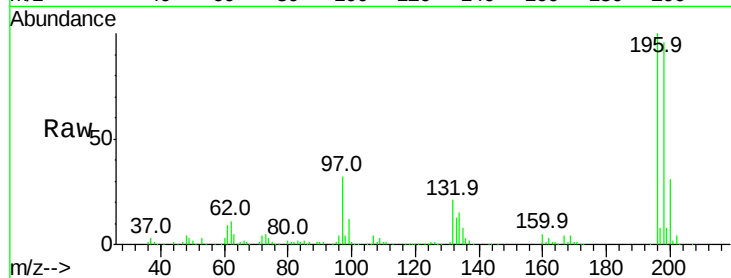




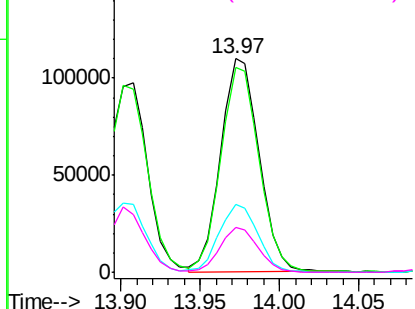
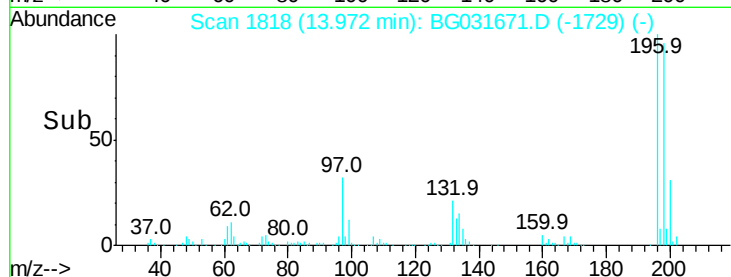
#43  
2,4,5-Trichlorophenol  
Concen: 40.063 ng  
RT: 13.97 min Scan# 1818  
Delta R.T. -0.01 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 76.2  | 114.4 |
| 97      | 31.7  | 38.7  | 58.1  |
| 132     | 21.0  | 20.2  | 30.2  |

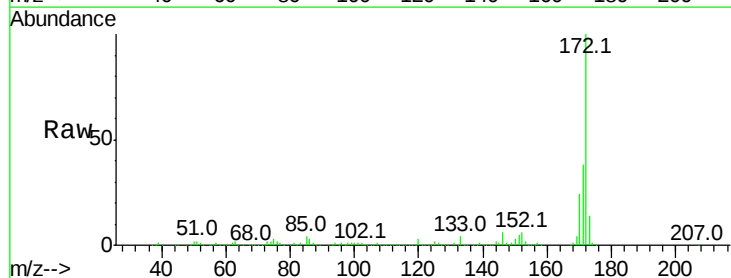


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BG  
Ion 132.00 (131.70 to 132.70): E

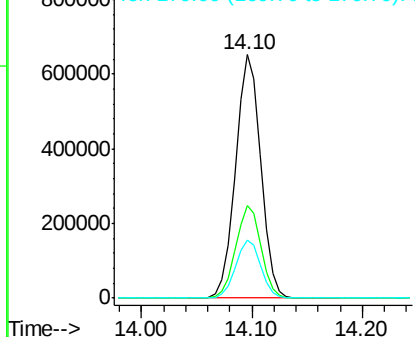
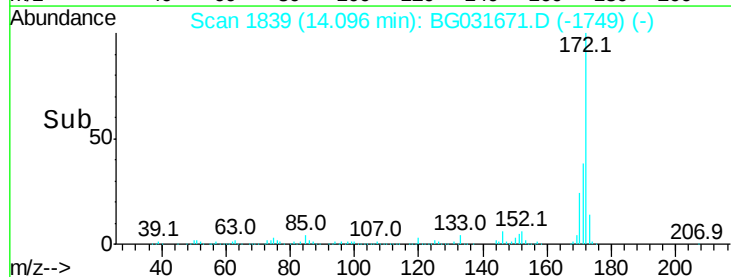


#44  
2-Fluorobiphenyl  
Concen: 76.615 ng  
RT: 14.10 min Scan# 1839  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.0  | 45.0  |
| 170     | 24.0  | 19.5  | 29.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.109 ng

RT: 14.31 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampled :

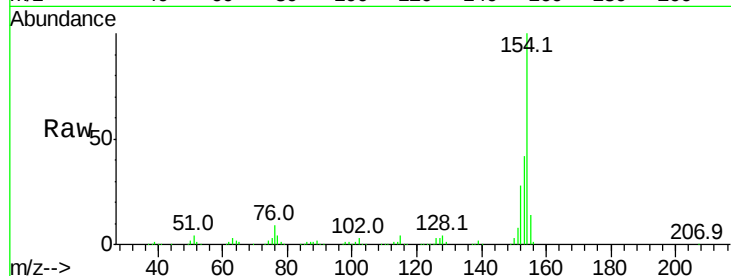
Tot Ion:154 Resp: 570142

Ion Ratio Lower Upper

154 100

153 41.8 19.8 59.8

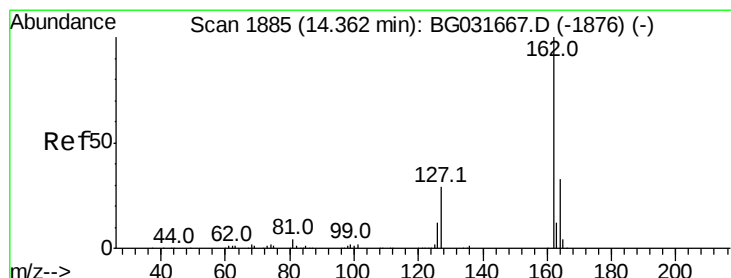
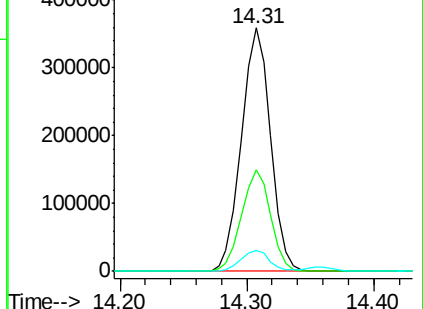
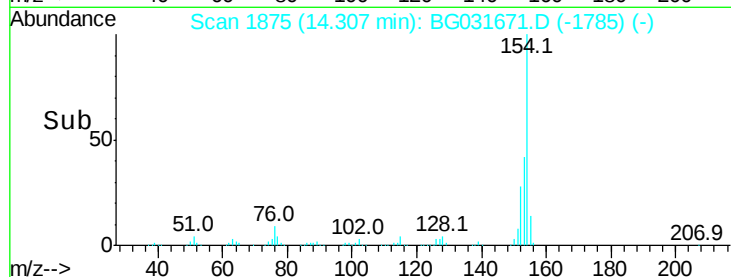
76 8.7 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 38.976 ng

RT: 14.36 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

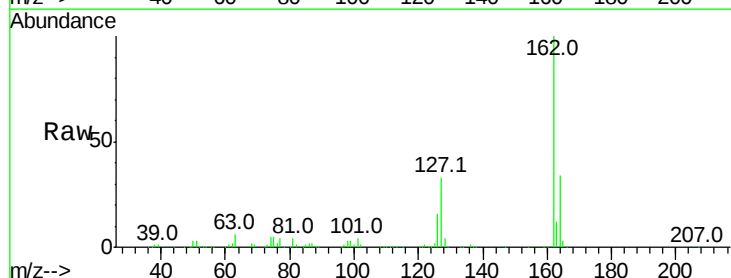
Tgt Ion:162 Resp: 433391

Ion Ratio Lower Upper

162 100

127 33.0 30.7 46.1

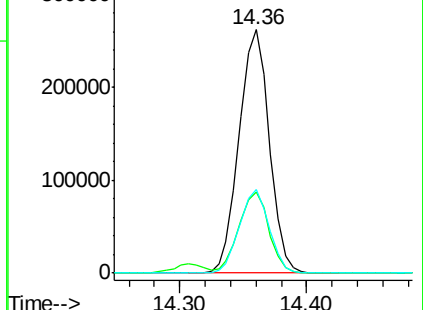
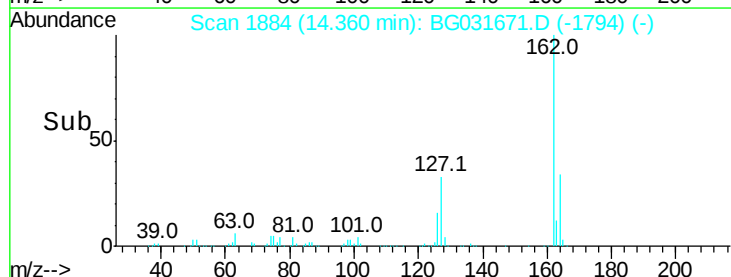
164 34.1 26.0 39.0

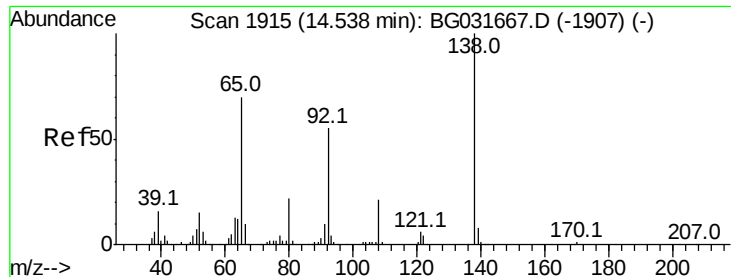


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.177 ng

RT: 14.54 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

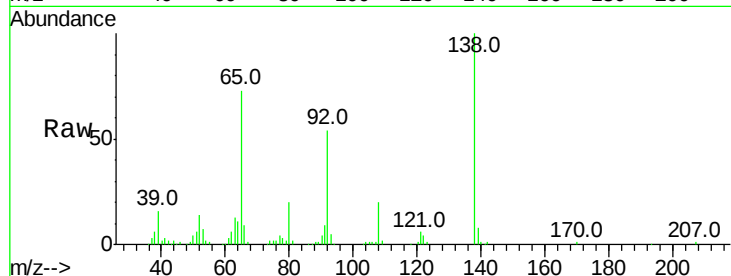
Tot Ion: 65 Resp: 82920

Ion Ratio Lower Upper

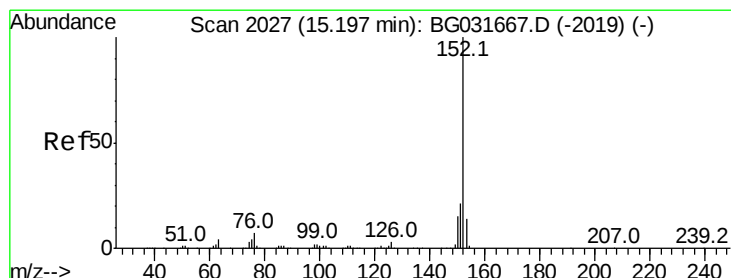
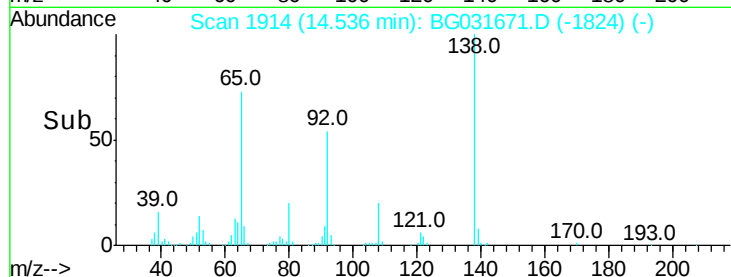
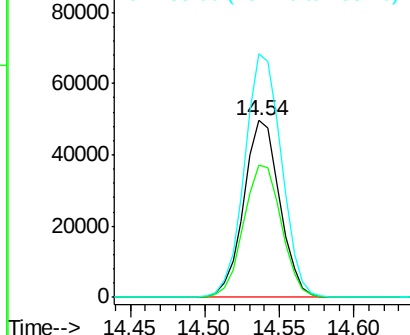
65 100

92 75.0 54.6 82.0

138 137.7 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 38.928 ng

RT: 15.19 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

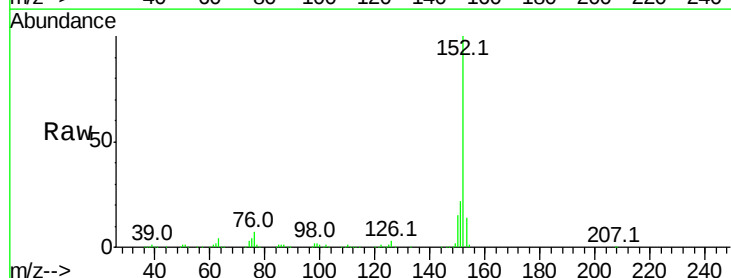
Tgt Ion: 152 Resp: 692511

Ion Ratio Lower Upper

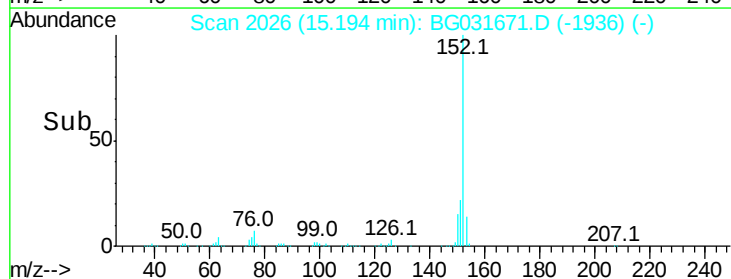
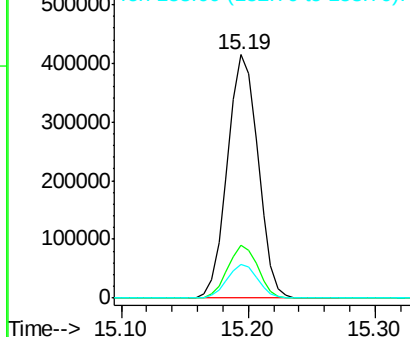
152 100

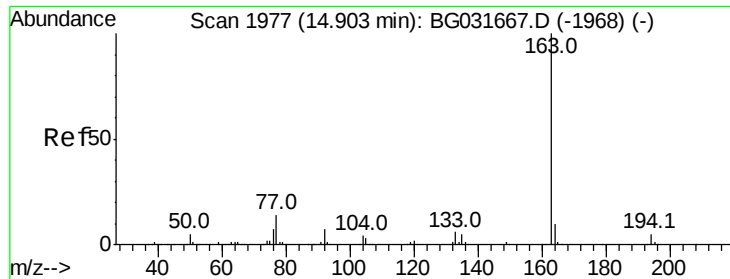
151 21.8 17.2 25.8

153 13.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC

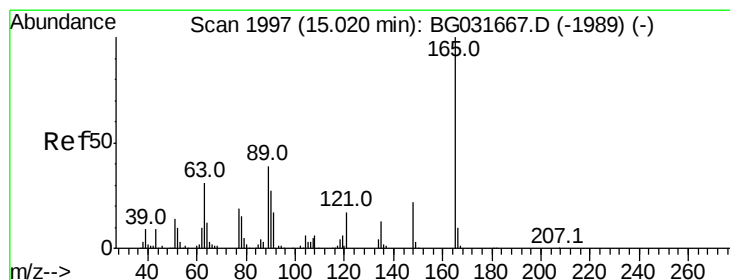
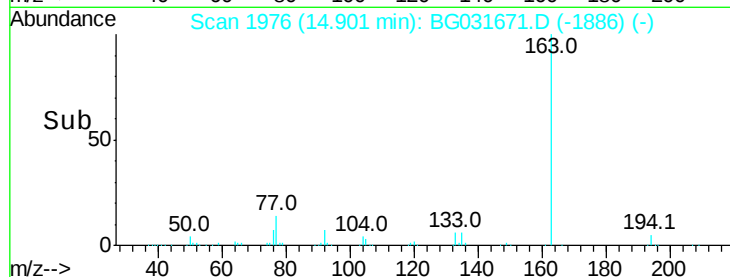
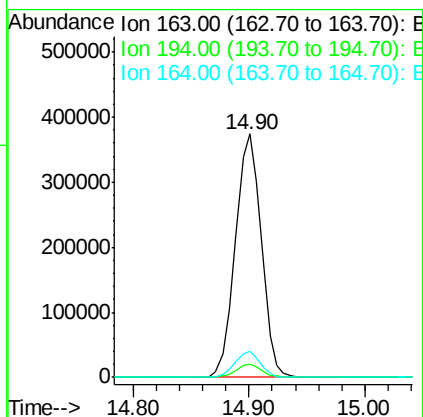
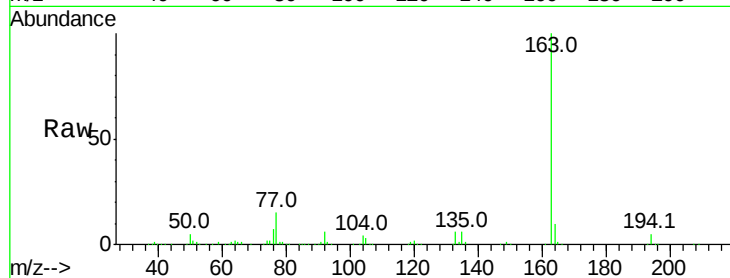




#49  
Dimethylphthalate  
Concen: 38.594 ng  
RT: 14.90 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

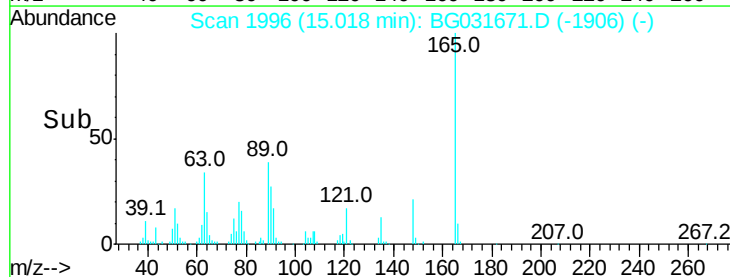
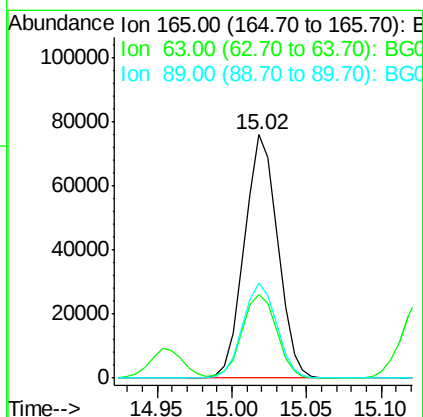
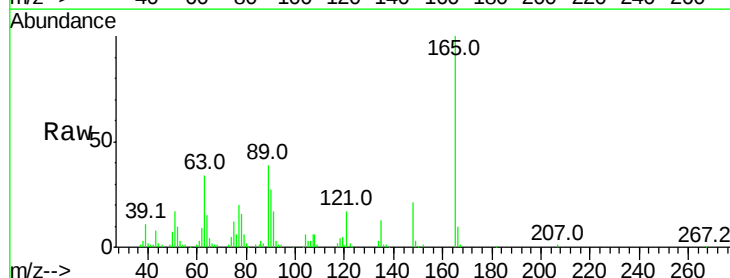
Instrument :  
BNA\_G  
ClientSampled :

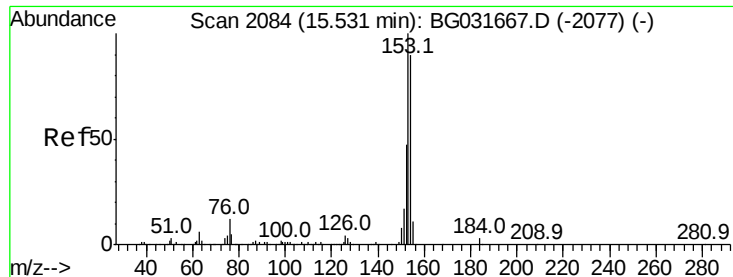
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.2   | 3.4   | 5.2#  |
| 164     | 10.5  | 8.2   | 12.4  |



#50  
2,6-Dinitrotoluene  
Concen: 42.459 ng  
RT: 15.02 min Scan# 1996  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 34.3  | 52.7  | 79.1# |
| 89      | 39.1  | 49.2  | 73.8# |





#51

Acenaphthene

Concen: 39.120 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

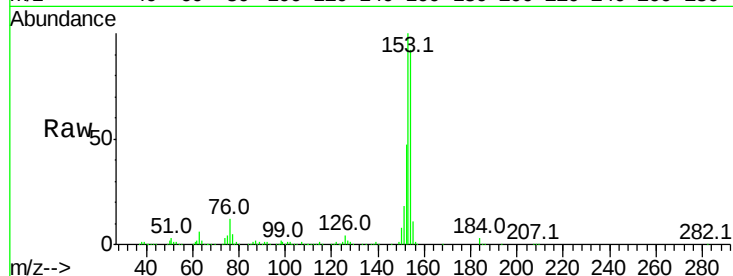
Tot Ion:154 Resp: 455773

Ion Ratio Lower Upper

154 100

153 109.2 90.4 135.6

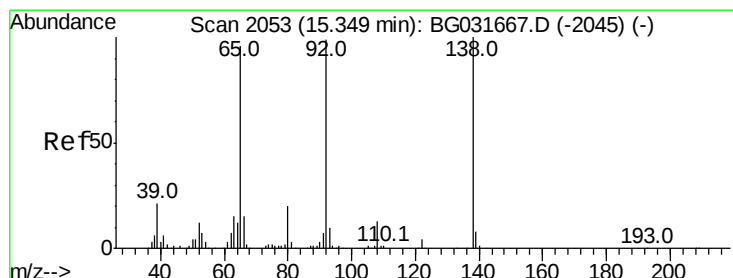
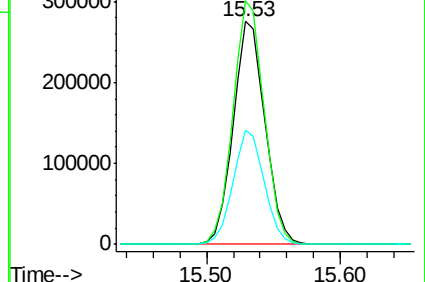
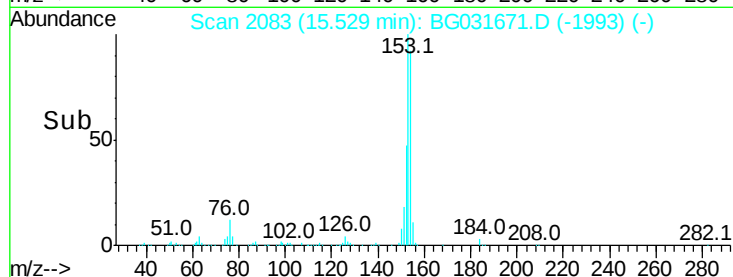
152 51.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.955 ng

RT: 15.35 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

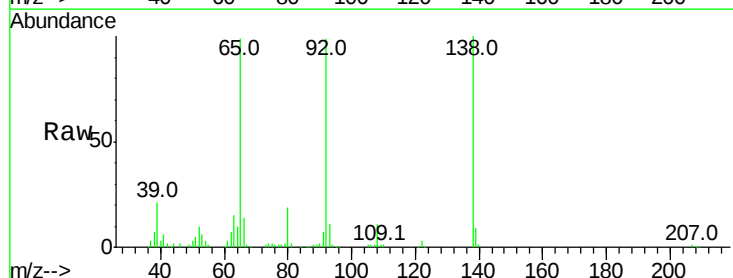
Tgt Ion:138 Resp: 110528

Ion Ratio Lower Upper

138 100

108 11.2 17.5 26.3#

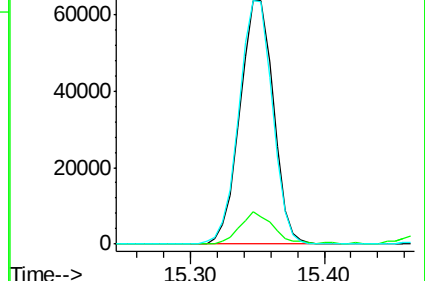
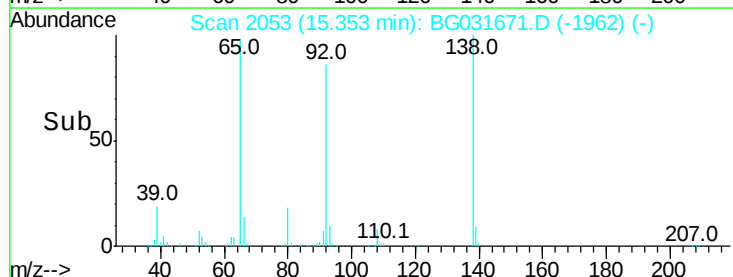
92 99.5 105.8 158.8#

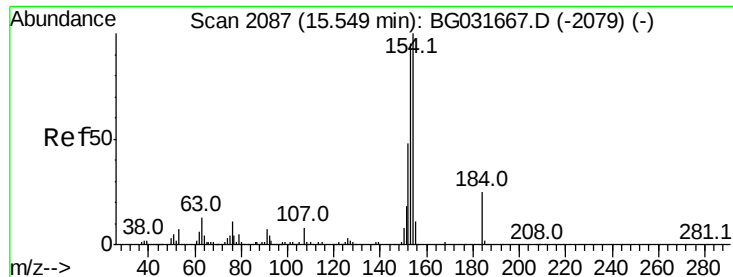


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

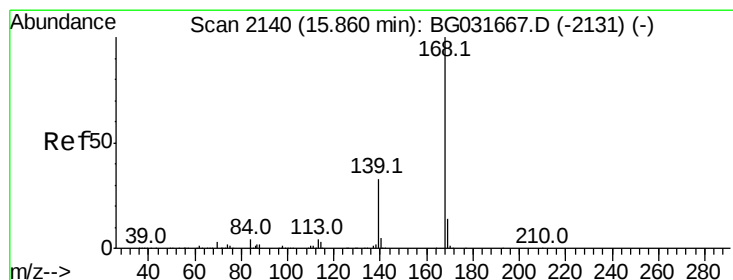
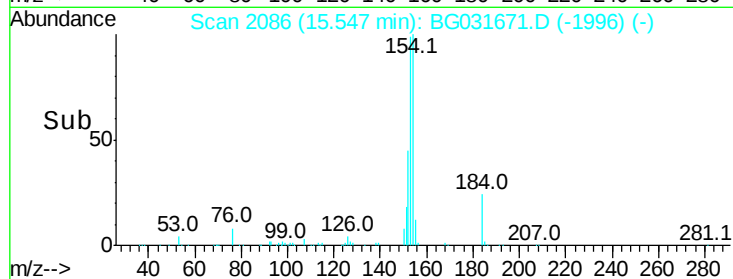
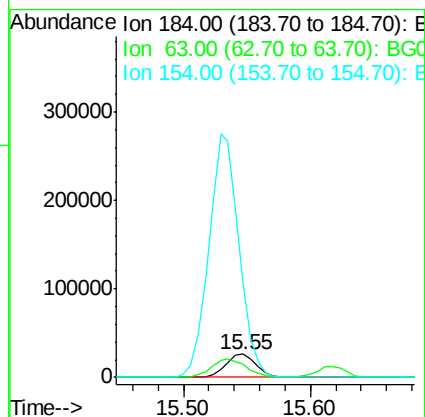
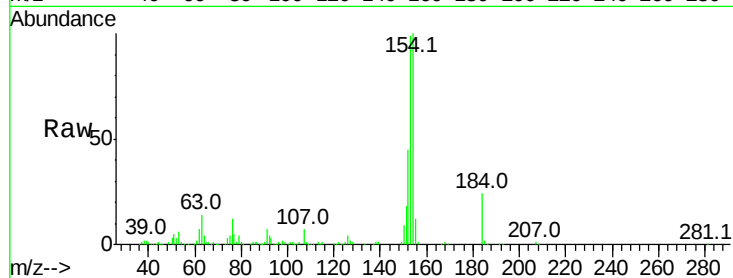




#53  
2,4-Dinitrophenol  
Concen: 40.721 ng  
RT: 15.55 min Scan# 2086  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

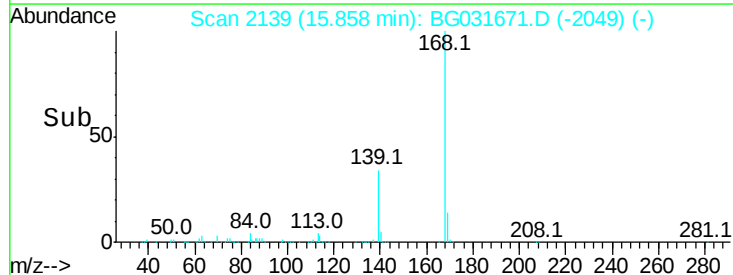
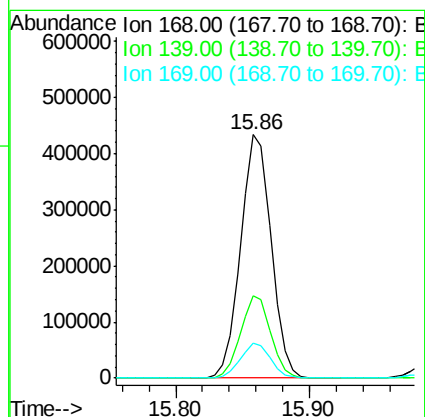
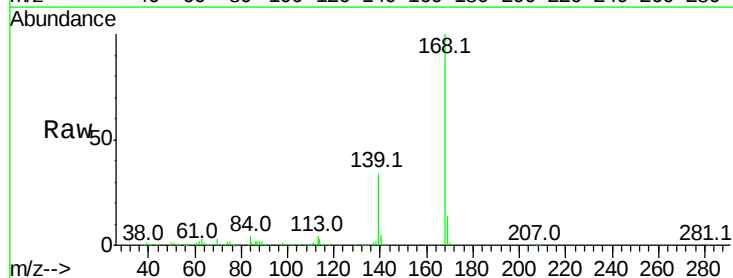
Instrument :  
BNA\_G  
ClientSampleId :

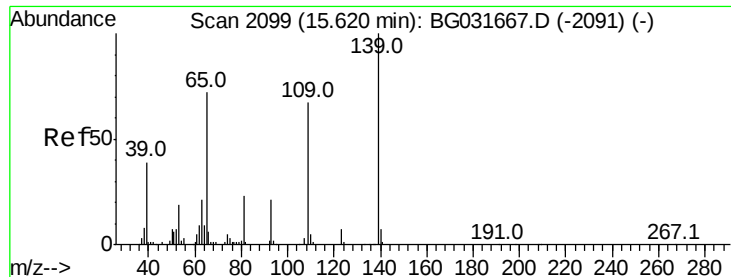
Tot Ion:184 Resp: 42984  
Ion Ratio Lower Upper  
184 100  
63 58.1 59.8 89.8#  
154 414.2 101.8 152.8#



#54  
Dibenzofuran  
Concen: 38.290 ng  
RT: 15.86 min Scan# 2139  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:168 Resp: 683832  
Ion Ratio Lower Upper  
168 100  
139 34.0 28.6 43.0  
169 14.4 11.2 16.8





#55

4-Nitrophenol

Concen: 41.729 ng

RT: 15.62 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

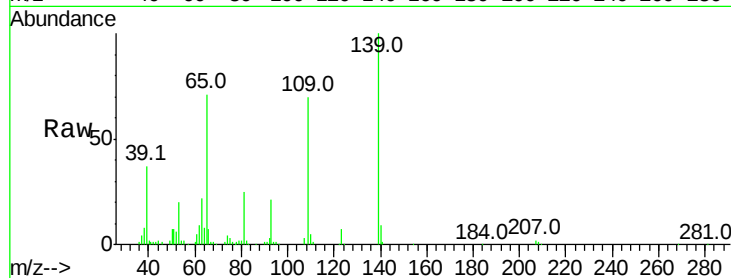
Tot Ion:139 Resp: 91659

Ion Ratio Lower Upper

139 100

109 69.7 62.2 102.2

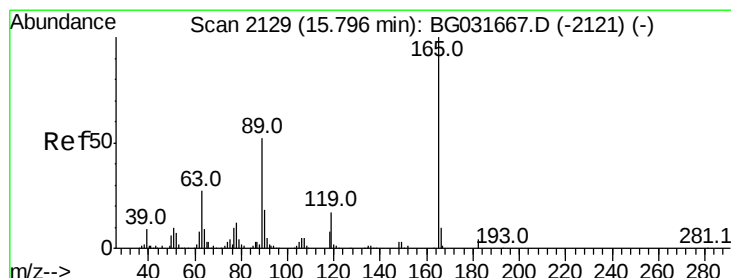
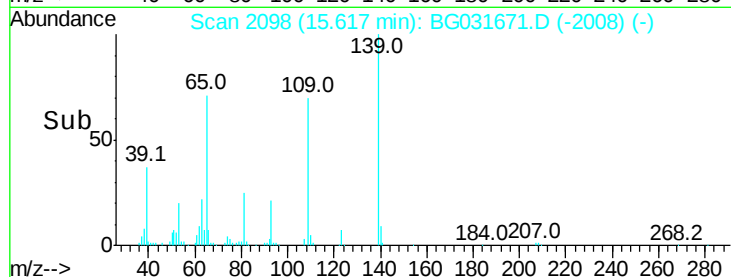
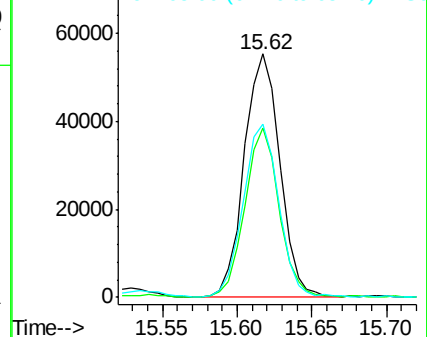
65 71.2 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 43.529 ng

RT: 15.80 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Tgt Ion:165 Resp: 154831

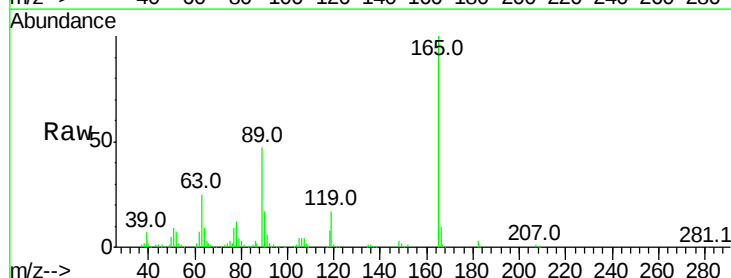
Ion Ratio Lower Upper

165 100

63 24.6 42.0 63.0#

89 46.5 66.9 100.3#

182 3.0 2.6 3.8

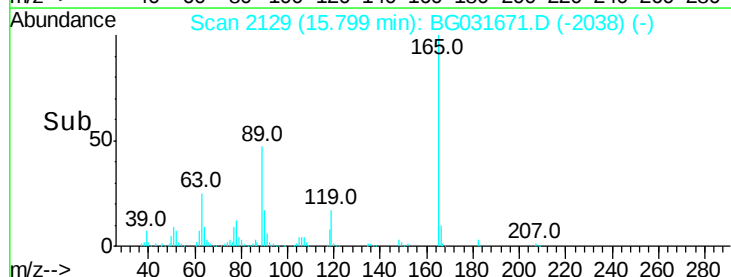
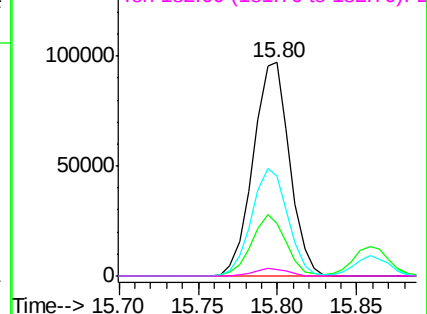


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 38.259 ng

RT: 16.50 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

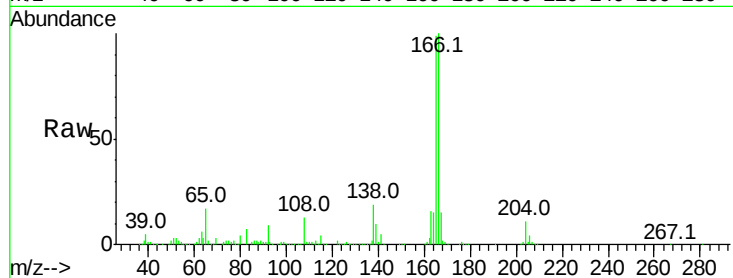
Tot Ion:166 Resp: 555080

Ion Ratio Lower Upper

166 100

165 98.9 80.6 121.0

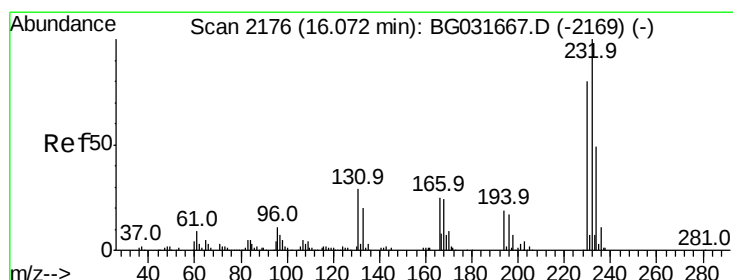
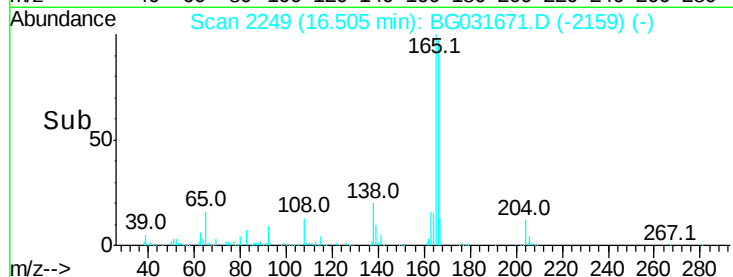
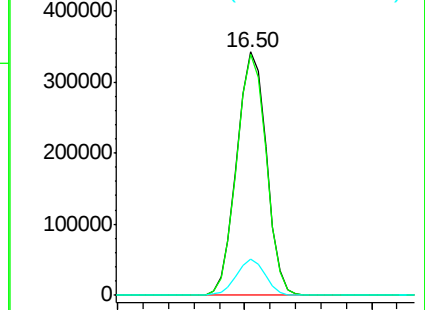
167 14.8 10.4 15.6



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 39.940 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Tgt Ion:232 Resp: 179004

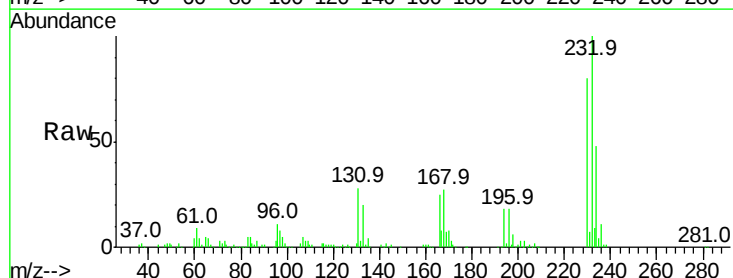
Ion Ratio Lower Upper

232 100

131 29.2 33.5 50.3#

130 1.7 2.2 3.2#

166 24.3 24.8 37.2#

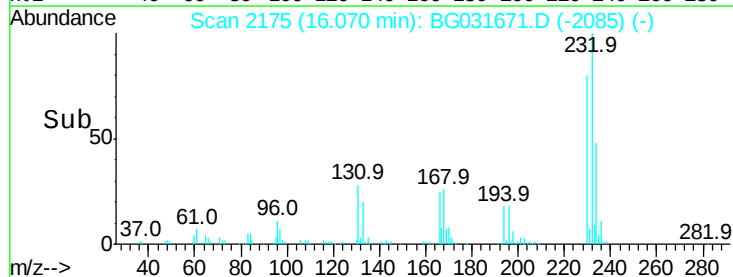
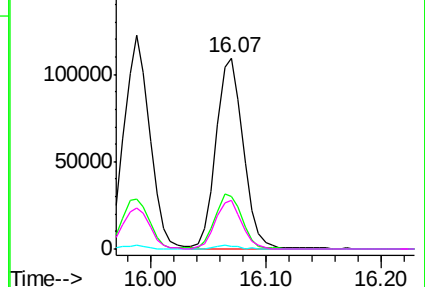


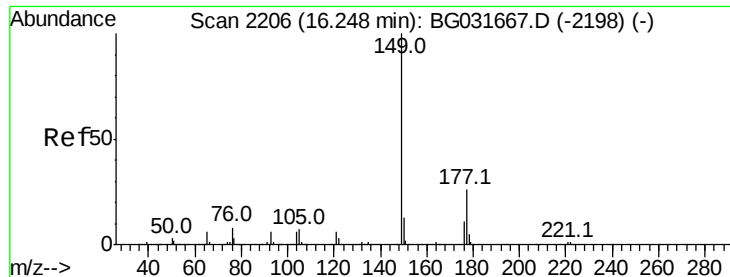
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

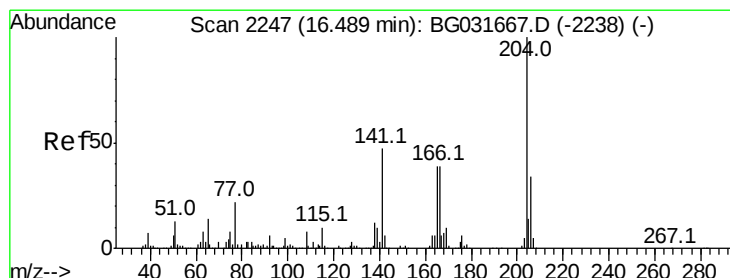
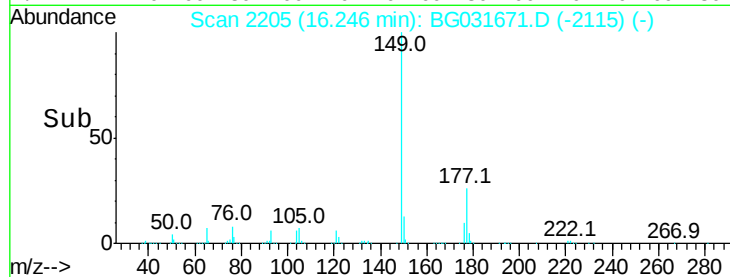
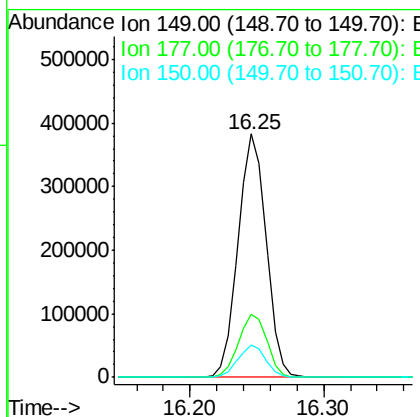
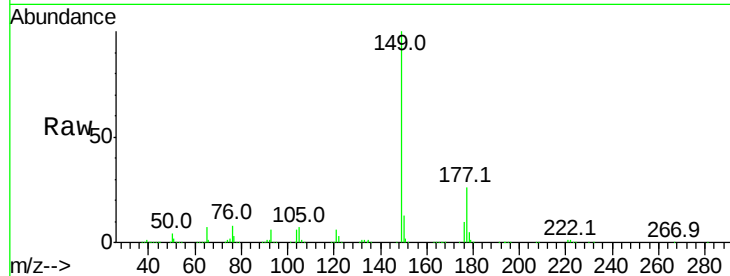




#59  
Diethylphthalate  
Concen: 38.005 ng  
RT: 16.25 min Scan# 2205  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

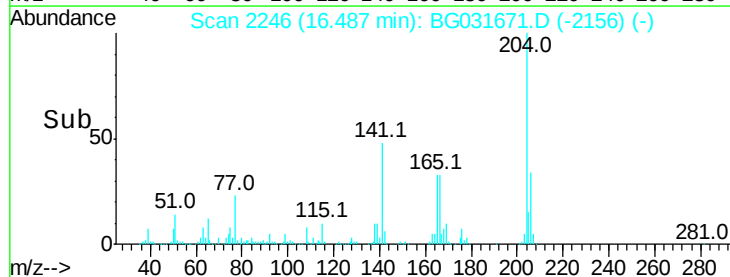
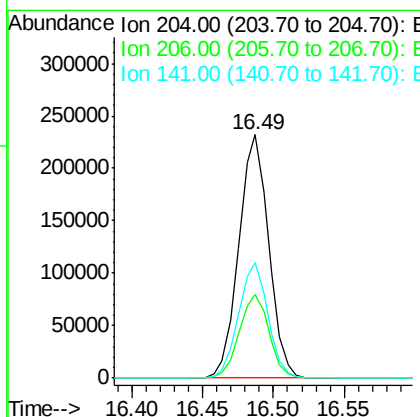
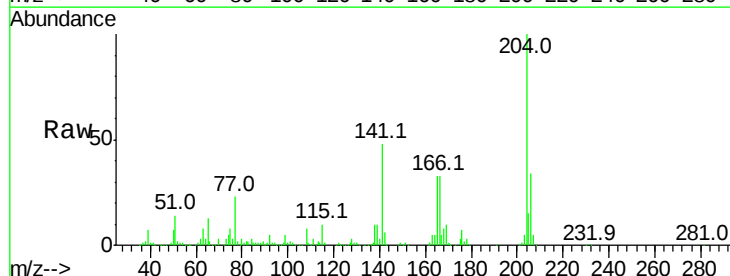
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 25.8  | 18.5  | 27.7  |
| 150     | 13.1  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 38.528 ng  
RT: 16.49 min Scan# 2246  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.3  | 26.2  | 39.2  |
| 141     | 47.6  | 45.8  | 68.6  |

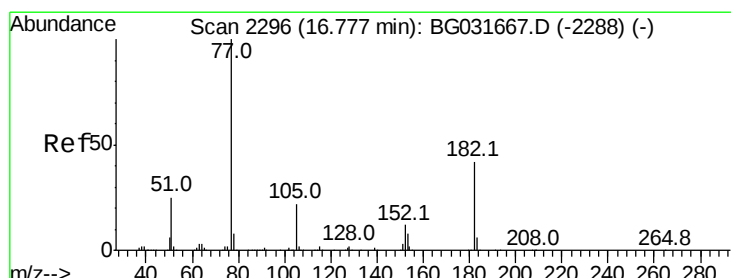
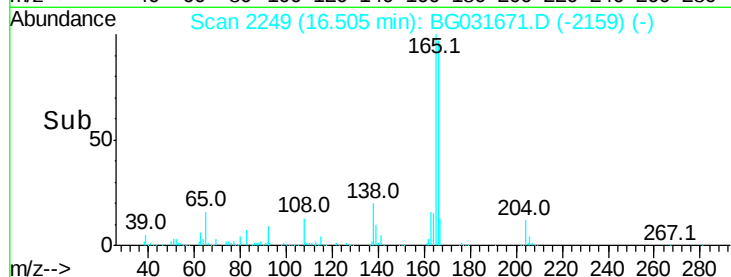
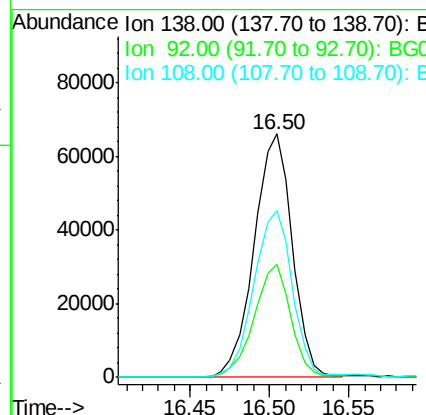
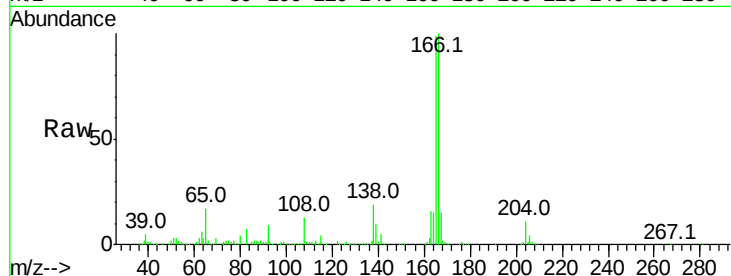




#61  
4-Nitroaniline  
Concen: 41.929 ng  
RT: 16.50 min Scan# 2249  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

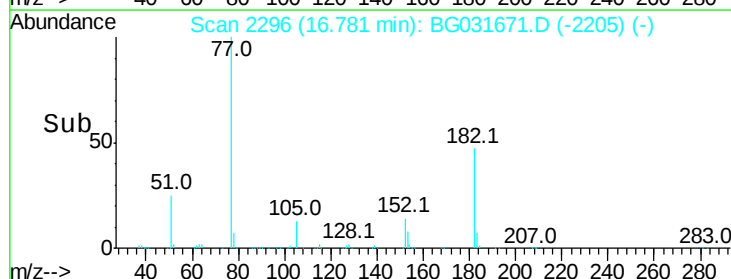
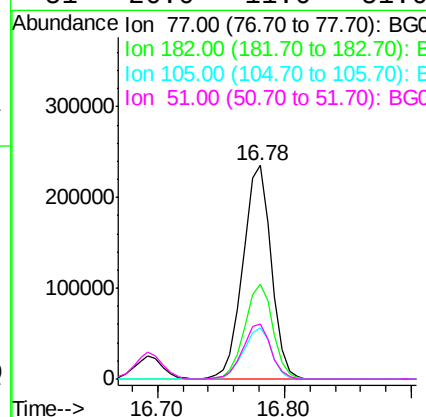
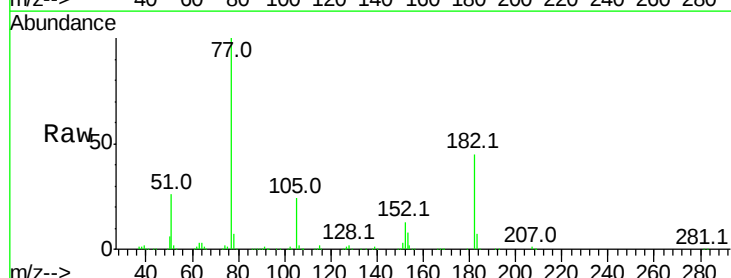
Instrument :  
BNA\_G  
ClientSampleId :

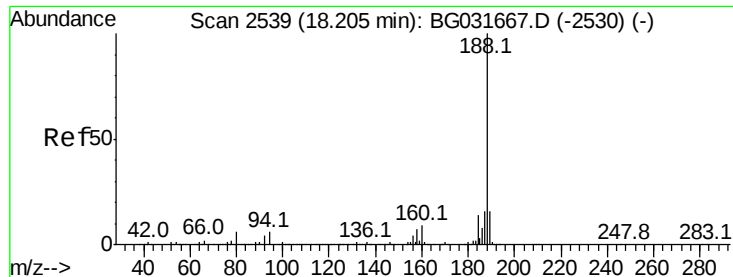
Tot Ion:138 Resp: 110424  
Ion Ratio Lower Upper  
138 100  
92 46.2 40.1 80.1  
108 68.4 65.4 105.4



#62  
Azobenzene  
Concen: 38.409 ng  
RT: 16.78 min Scan# 2296  
Delta R.T. 0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion: 77 Resp: 361002  
Ion Ratio Lower Upper  
77 100  
182 44.6 7.4 47.4  
105 23.9 0.3 40.3  
51 26.0 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.20 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

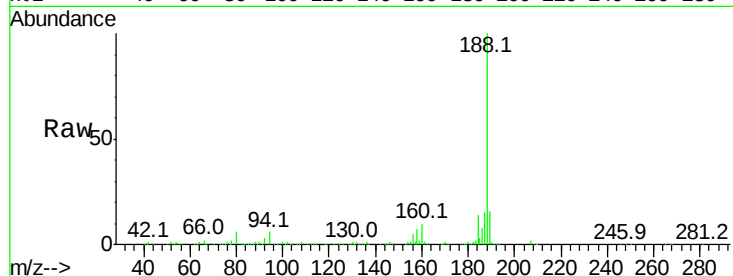
Tot Ion:188 Resp: 417152

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

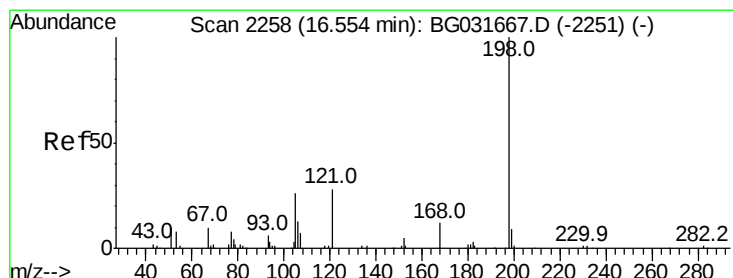
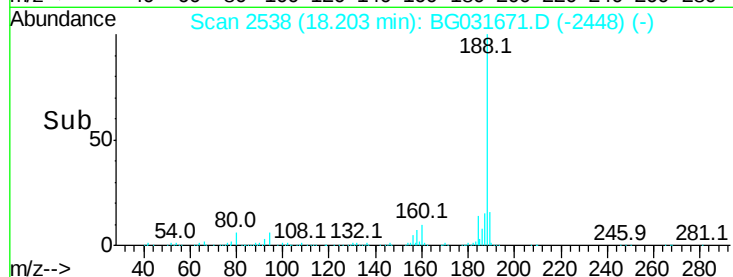
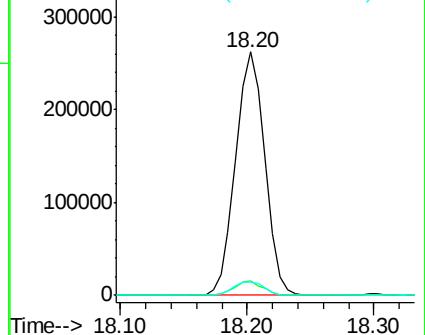
80 5.6 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 40.500 ng

RT: 16.55 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

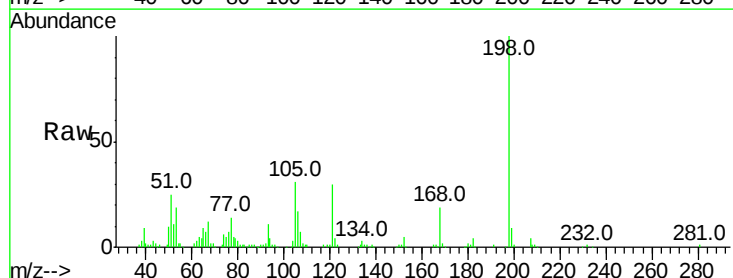
Tgt Ion:198 Resp: 79004

Ion Ratio Lower Upper

198 100

51 24.5 30.6 70.6#

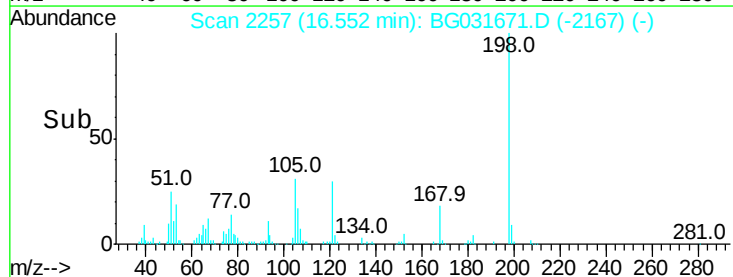
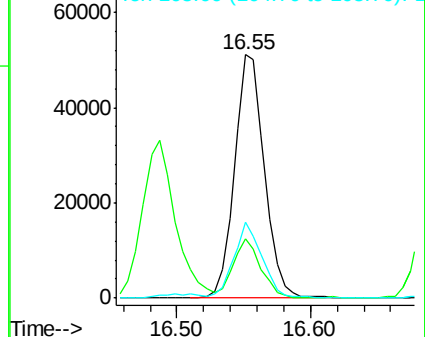
105 31.4 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

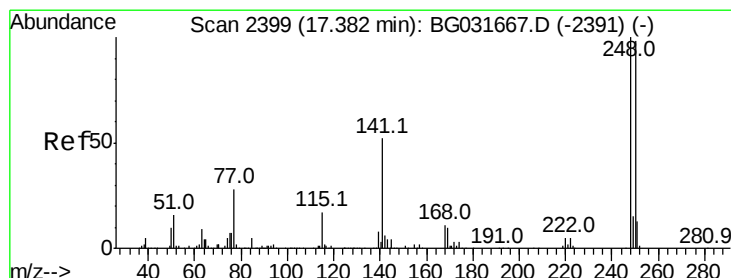
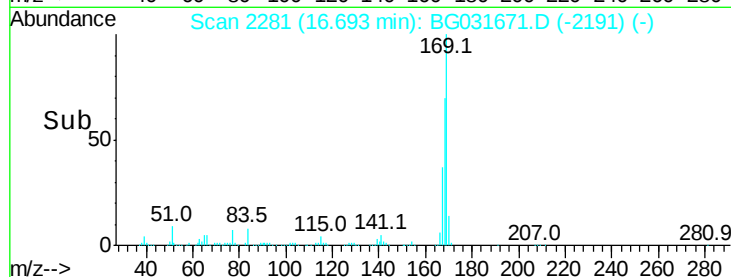
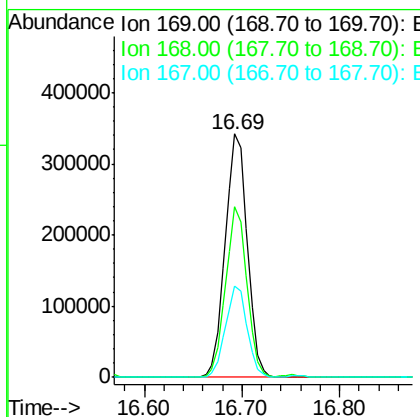
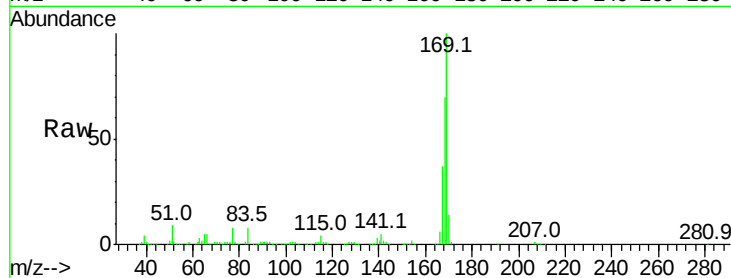




#65  
n-Nitrosodiphenylamine  
Concen: 38.728 ng  
RT: 16.69 min Scan# 2281  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

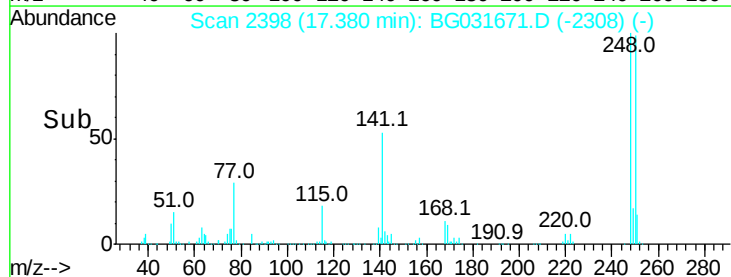
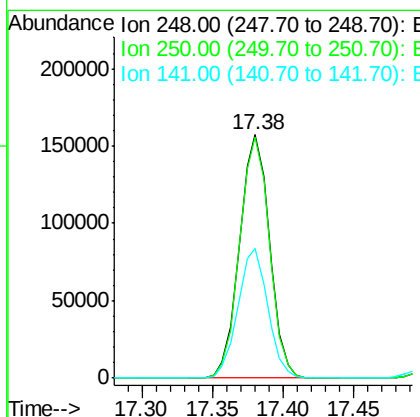
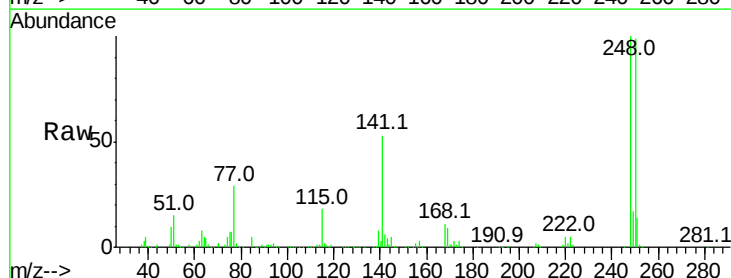
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:169 Resp: 536560  
Ion Ratio Lower Upper  
169 100  
168 70.0 55.7 83.5  
167 37.4 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 38.620 ng  
RT: 17.38 min Scan# 2398  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:248 Resp: 232963  
Ion Ratio Lower Upper  
248 100  
250 98.9 77.1 115.7  
141 53.4 50.8 76.2

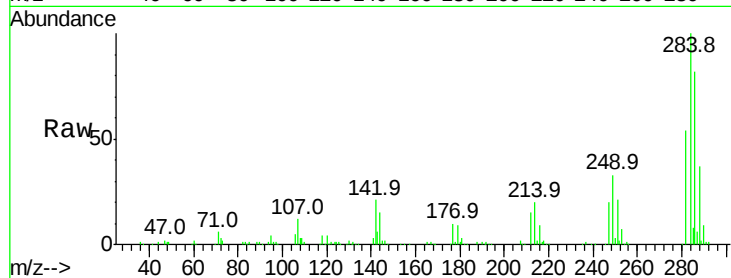




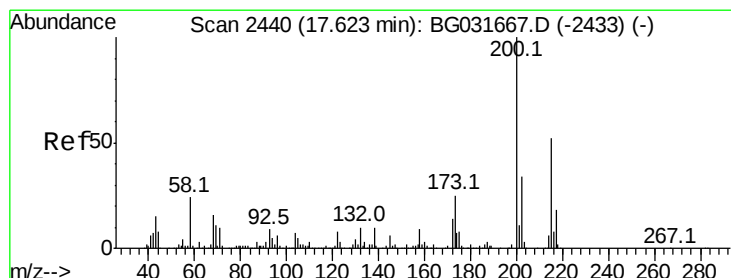
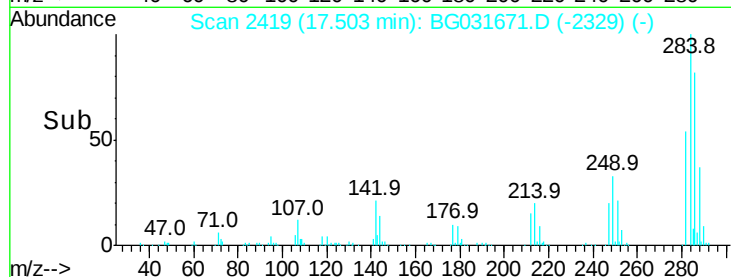
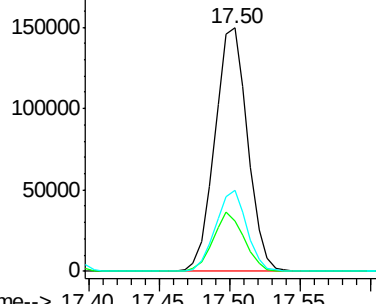
#67  
Hexachlorobenzene  
Concen: 39.366 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 20.9  | 26.8  | 40.2# |
| 249     | 33.3  | 26.3  | 39.5  |

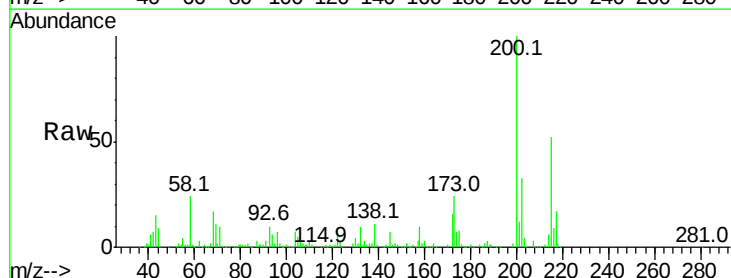


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

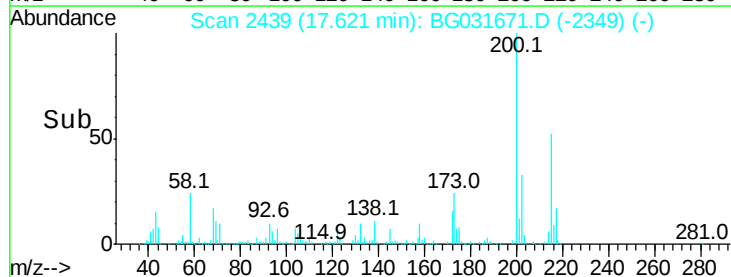
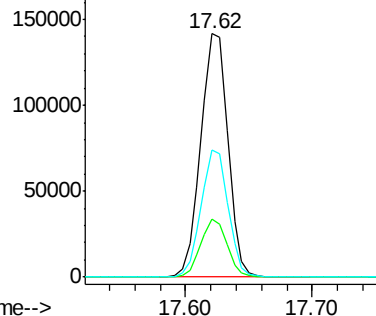


#68  
Atrazine  
Concen: 38.822 ng  
RT: 17.62 min Scan# 2439  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.1  | 5.2   | 45.2  |
| 215     | 52.3  | 30.4  | 70.4  |



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

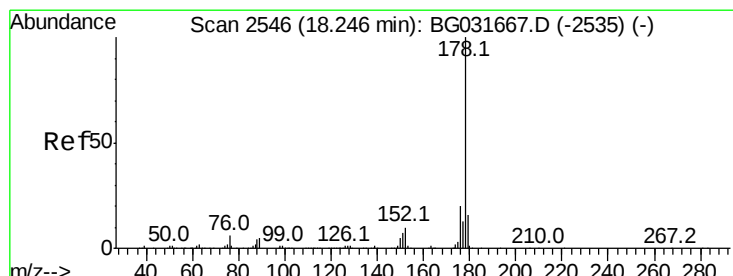
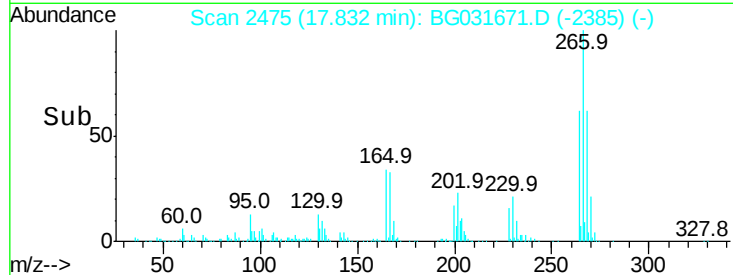
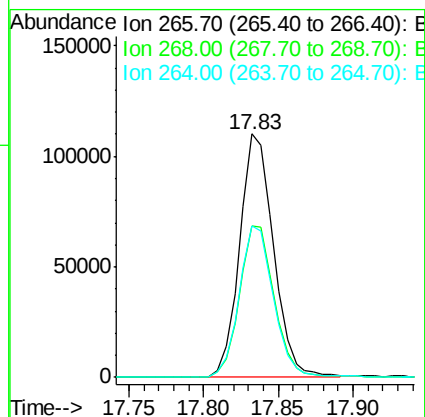
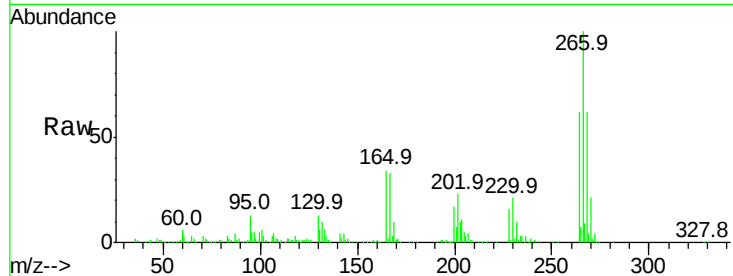




#69  
 Pentachlorophenol  
 Concen: 41.000 ng  
 RT: 17.83 min Scan# 2475  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

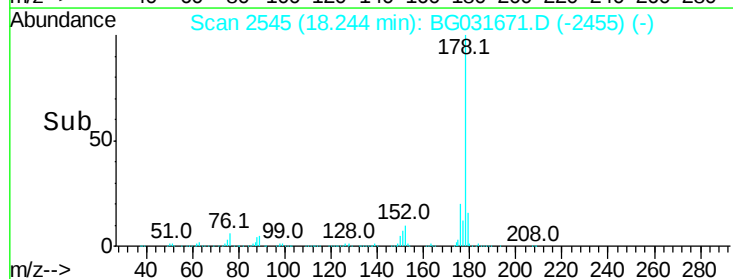
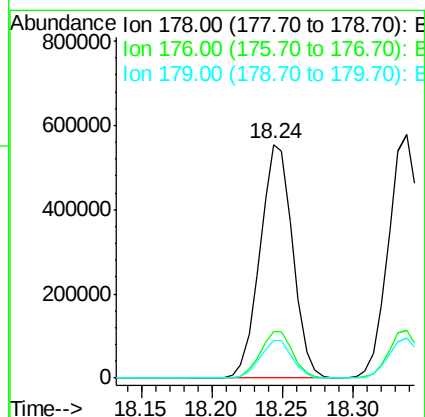
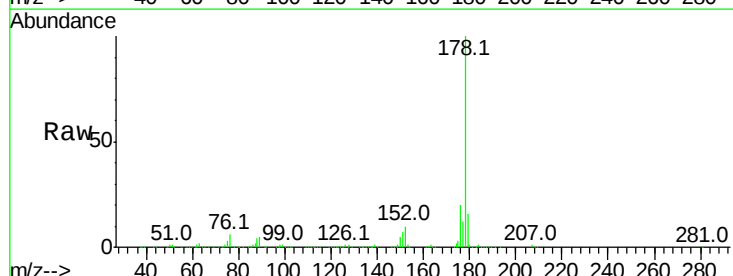
Instrument :  
 BNA\_G  
 ClientSampleId :

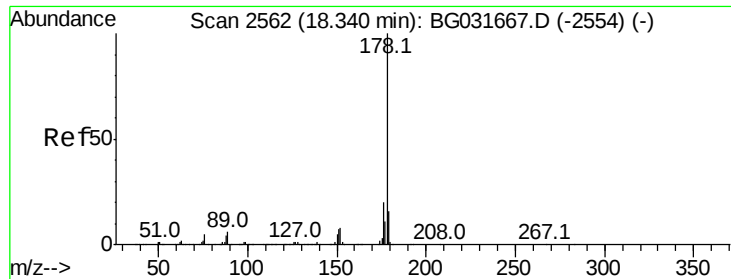
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 266   | Resp: | 173903 |
| Ion      | Ratio | Lower | Upper  |
| 266      | 100   |       |        |
| 268      | 62.1  | 51.1  | 76.7   |
| 264      | 62.2  | 49.6  | 74.4   |



#70  
 Phenanthrene  
 Concen: 38.219 ng  
 RT: 18.24 min Scan# 2545  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 902262 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 176      | 19.9  | 15.7  | 23.5   |
| 179      | 16.1  | 12.5  | 18.7   |

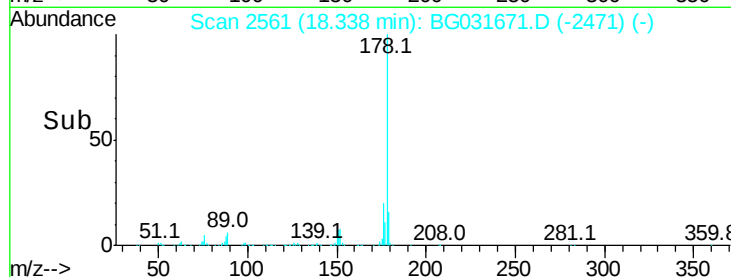
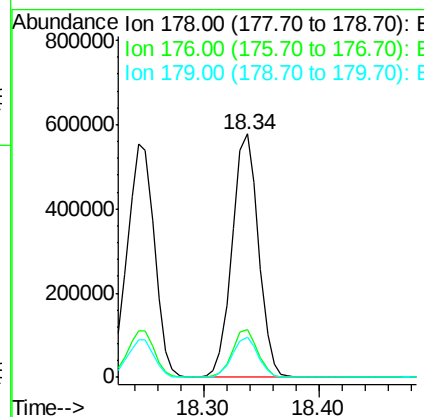
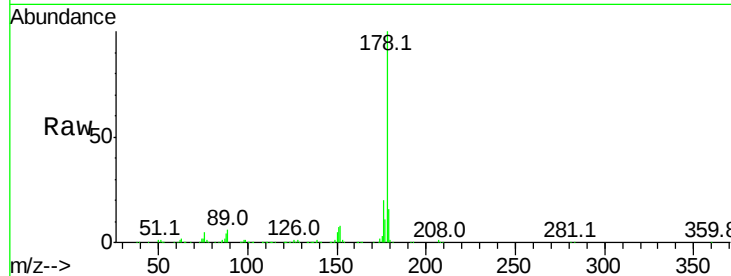




#71  
 Anthracene  
 Concen: 38.284 ng  
 RT: 18.34 min Scan# 2561  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

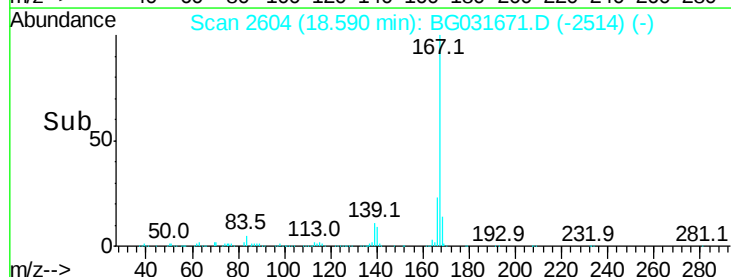
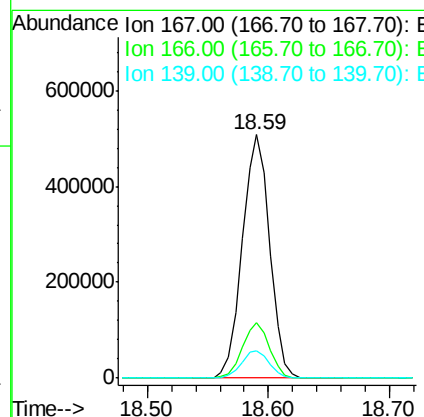
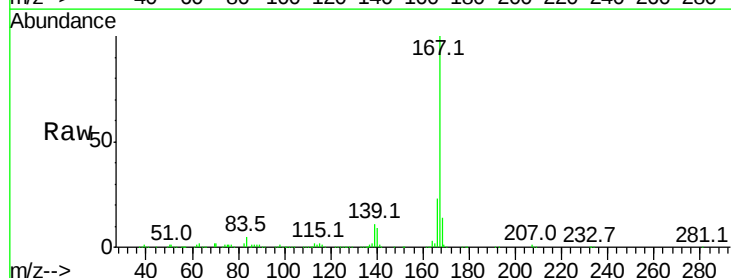
Instrument :  
 BNA\_G  
 ClientSampleId :

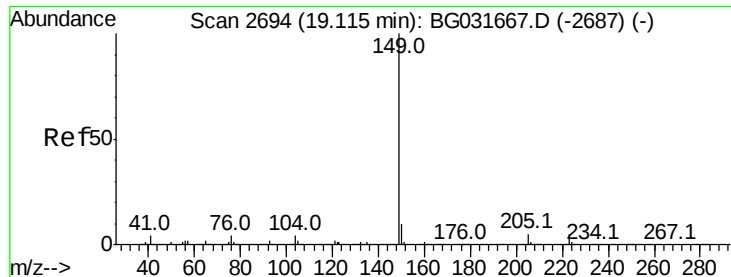
Tot Ion:178 Resp: 911702  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.0 24.0  
 179 16.5 12.5 18.7



#72  
 Carbazole  
 Concen: 37.956 ng  
 RT: 18.59 min Scan# 2604  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Tgt Ion:167 Resp: 800024  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 18.2 27.4  
 139 11.1 9.4 14.2

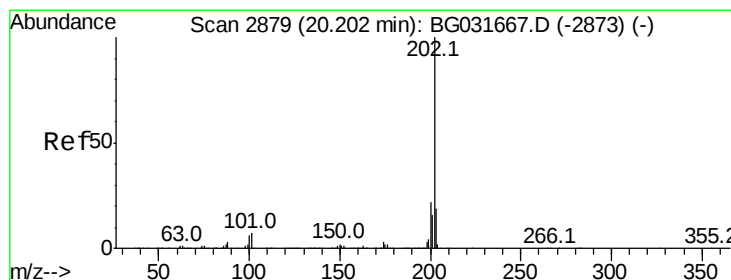
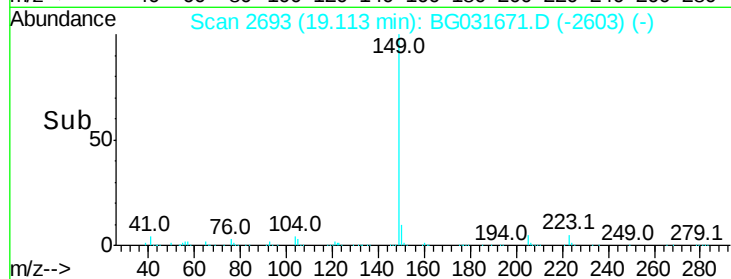
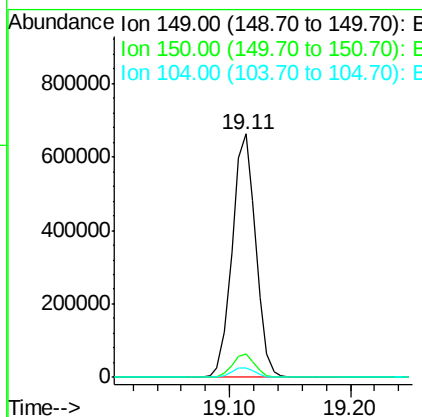
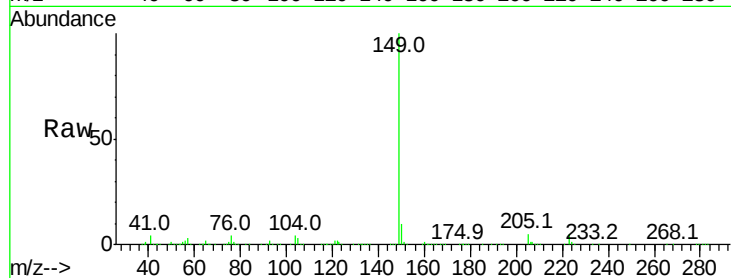




#73  
Di-n-butylphthalate  
Concen: 38.324 ng  
RT: 19.11 min Scan# 2693  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

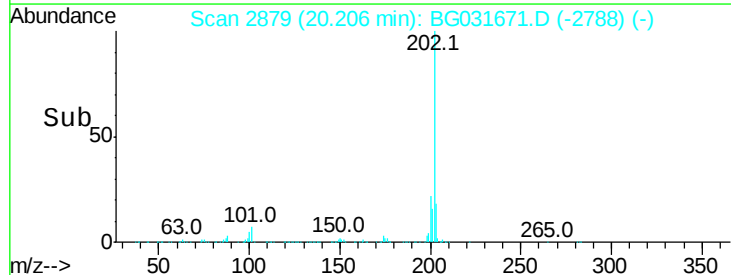
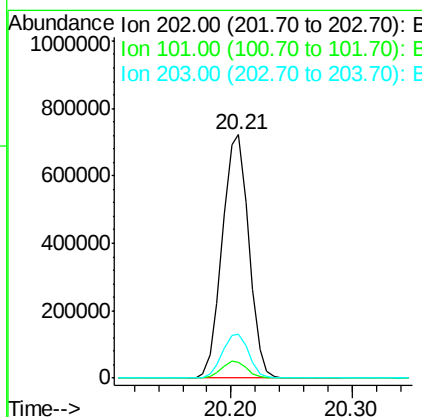
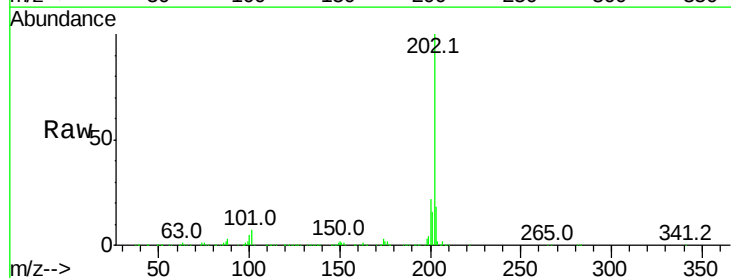
Instrument :  
BNA\_G  
ClientSampleId :

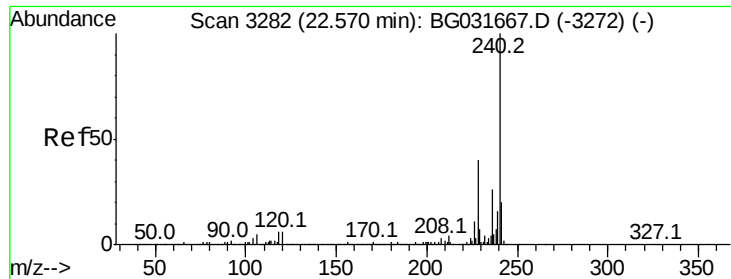
Tot Ion:149 Resp: 897717  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.8 11.6  
104 3.9 3.9 5.9



#74  
Fluoranthene  
Concen: 37.764 ng  
RT: 20.21 min Scan# 2879  
Delta R.T. 0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:202 Resp: 1093892  
Ion Ratio Lower Upper  
202 100  
101 6.6 0.0 28.9  
203 17.8 0.0 37.5

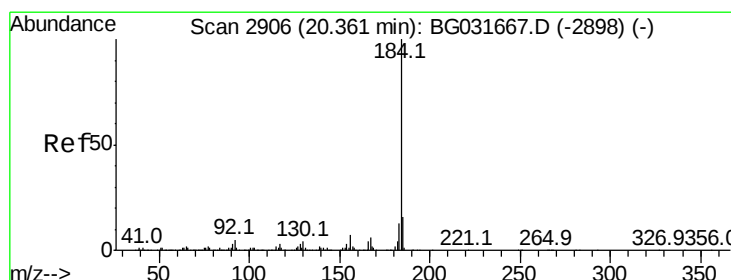
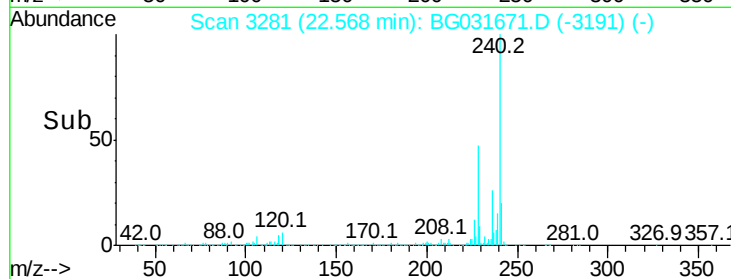
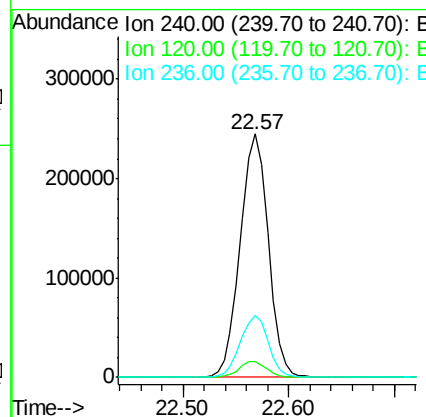
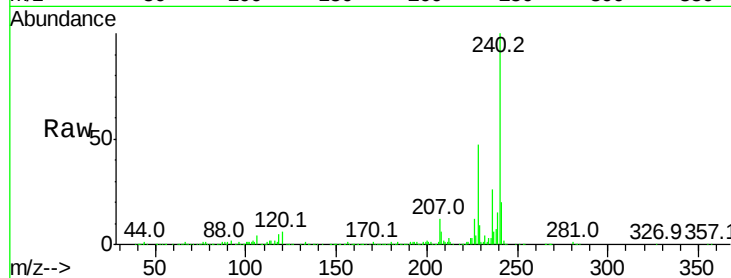




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.57 min Scan# 3281  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

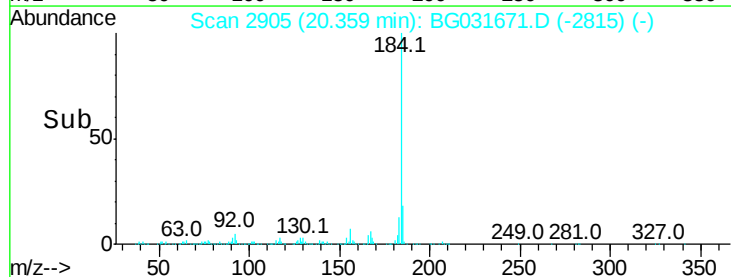
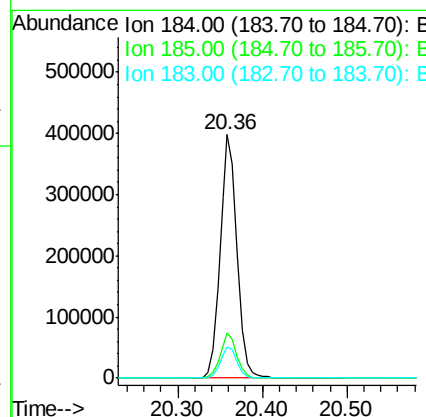
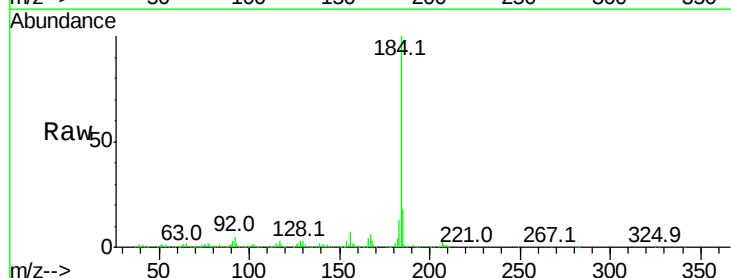
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:240 Resp: 452738  
Ion Ratio Lower Upper  
240 100  
120 6.3 6.8 10.2#  
236 25.6 20.9 31.3



#76  
Benzidine  
Concen: 39.929 ng  
RT: 20.36 min Scan# 2905  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:184 Resp: 557971  
Ion Ratio Lower Upper  
184 100  
185 18.4 11.1 16.7#  
183 12.9 10.6 16.0





#77

Pvrene

Concen: 38.434 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

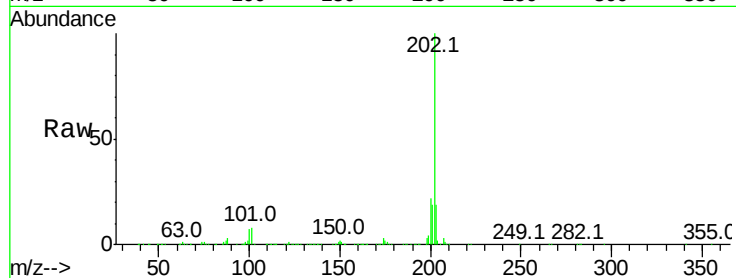
Tot Ion:202 Resp: 1111494

Ion Ratio Lower Upper

202 100

200 22.1 16.9 25.3

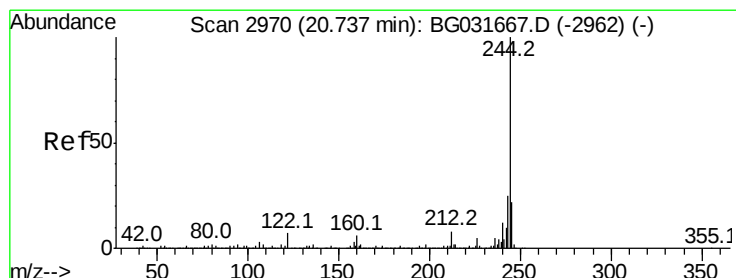
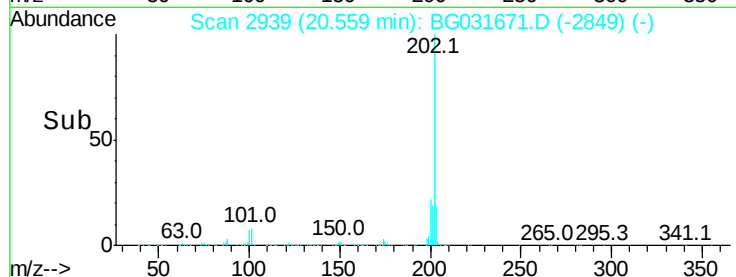
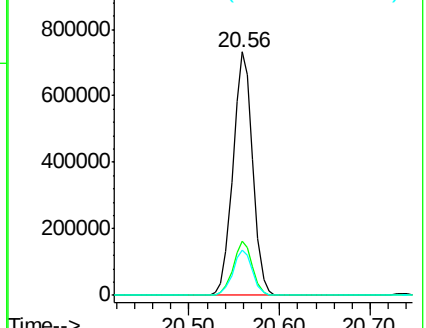
203 18.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.614 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

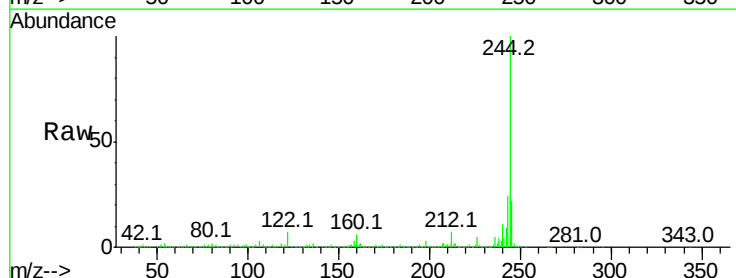
Tgt Ion:244 Resp: 1518218

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

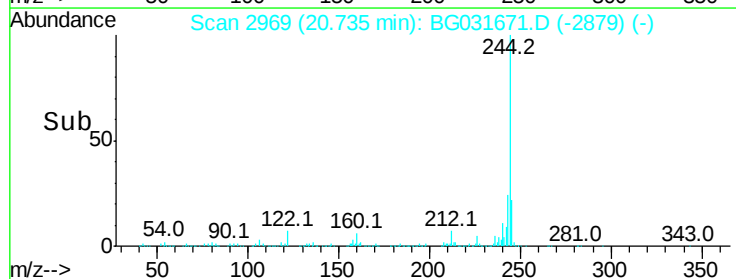
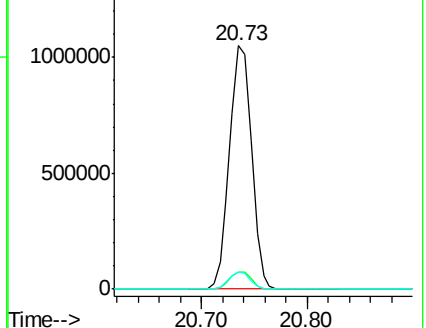
122 7.2 7.0 10.4

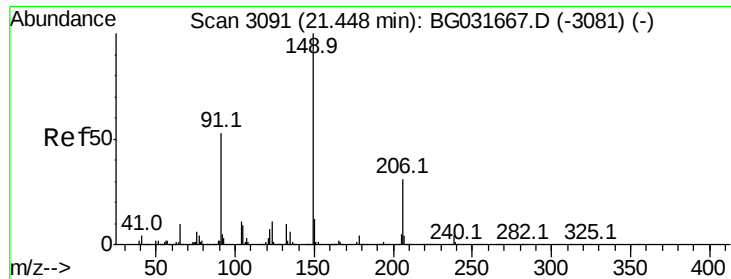


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

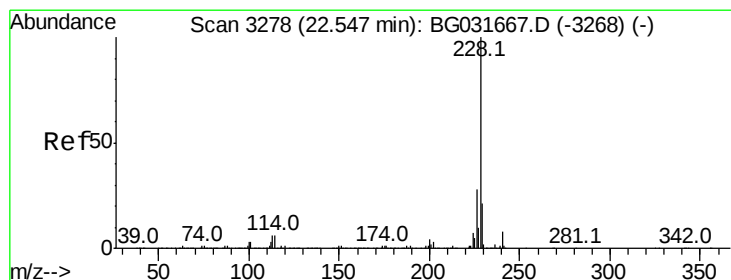
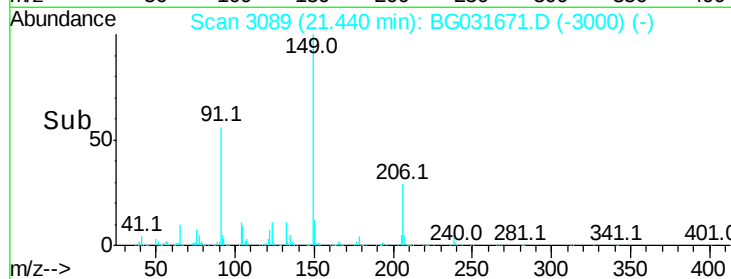
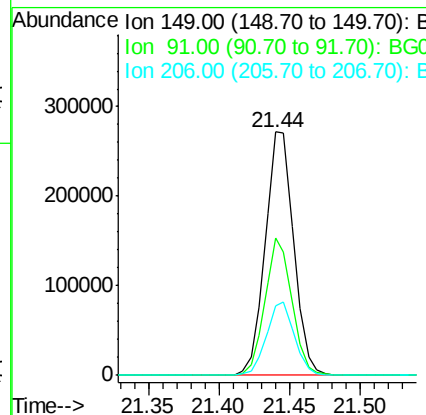
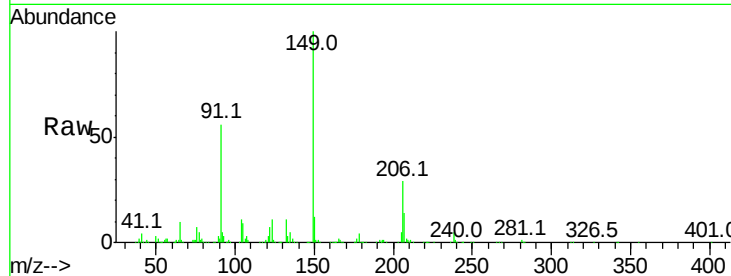




#79  
Butylbenzylphthalate  
Concen: 39.716 ng  
RT: 21.44 min Scan# 3089  
Delta R.T. -0.01 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

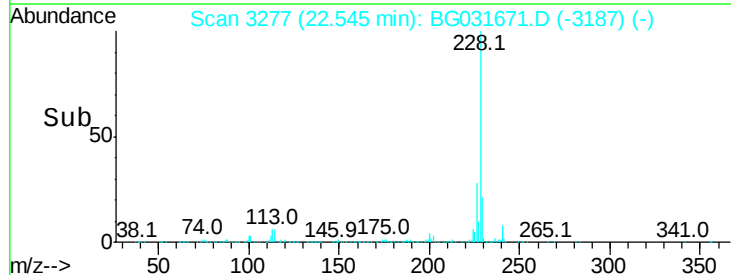
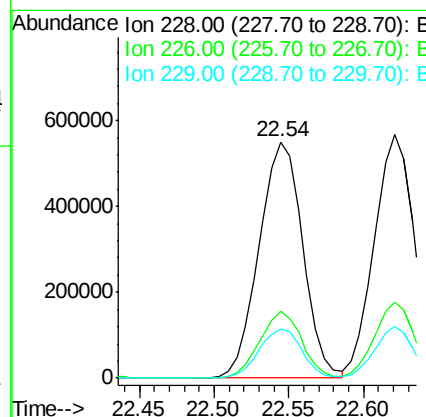
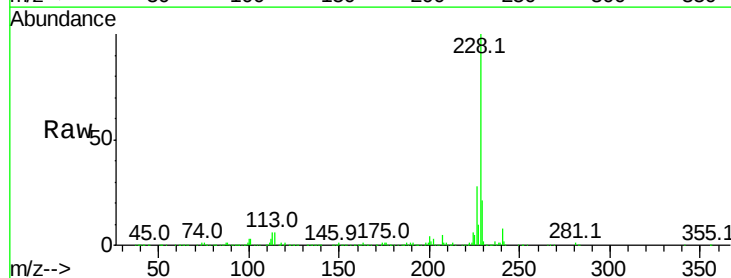
Instrument :  
BNA\_G  
ClientSampleId :

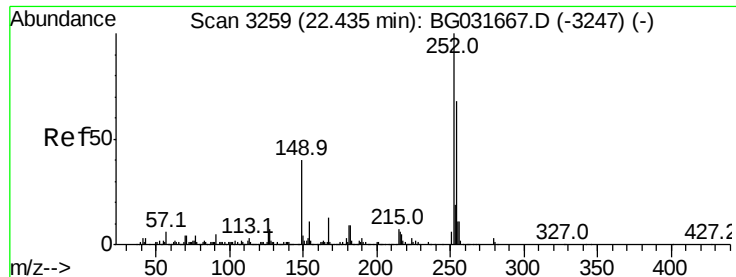
Tot Ion:149 Resp: 385573  
Ion Ratio Lower Upper  
149 100  
91 56.2 62.2 93.2#  
206 28.5 18.6 27.8#



#80  
Benzo(a)anthracene  
Concen: 38.850 ng  
RT: 22.54 min Scan# 3277  
Delta R.T. -0.00 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:228 Resp: 1118857  
Ion Ratio Lower Upper  
228 100  
226 28.4 22.7 34.1  
229 20.5 16.2 24.2

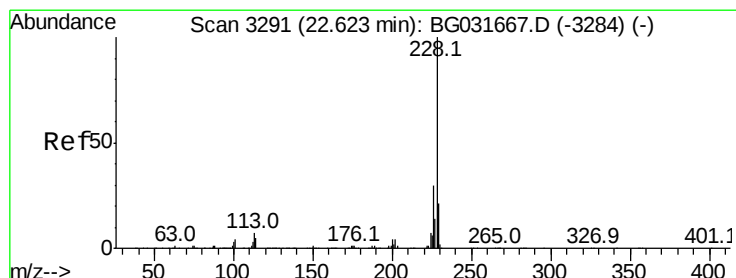
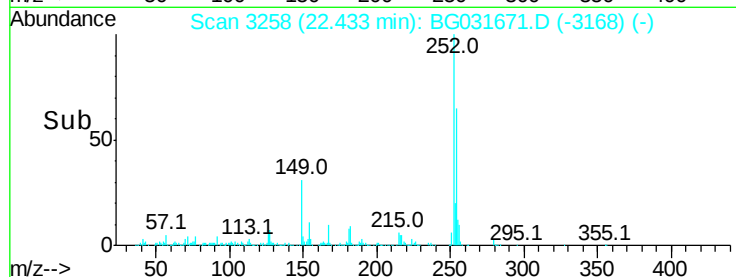
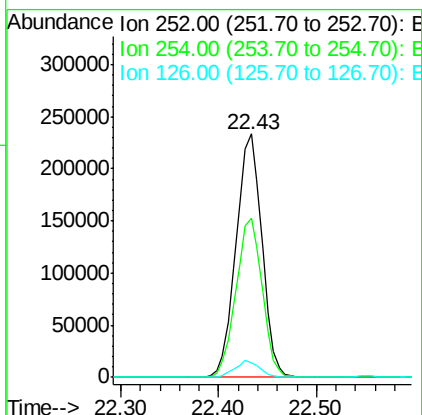
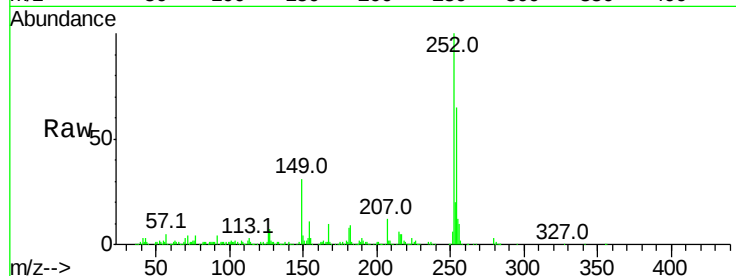




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.651 ng  
 RT: 22.43 min Scan# 3258  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

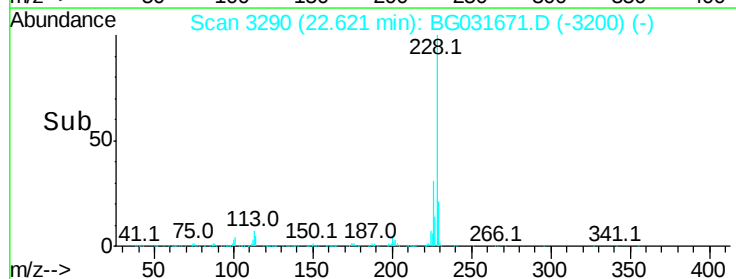
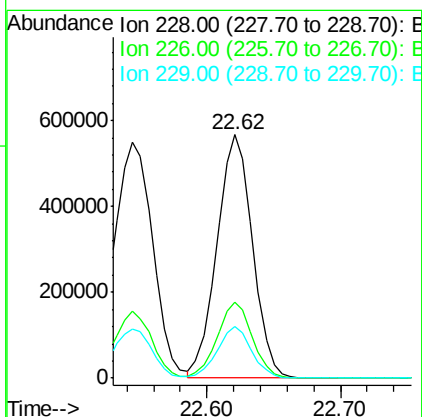
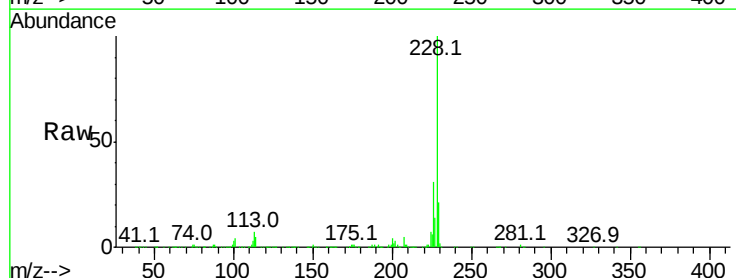
Instrument :  
 BNA\_G  
 ClientSampleId :

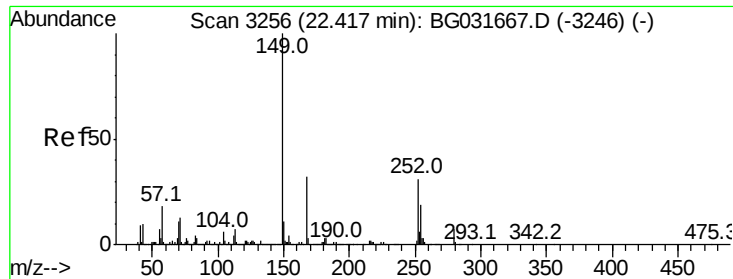
Tot Ion:252 Resp: 431570  
 Ion Ratio Lower Upper  
 252 100  
 254 65.3 50.8 76.2  
 126 6.2 7.4 11.2#



#82  
 Chrysene  
 Concen: 38.652 ng  
 RT: 22.62 min Scan# 3290  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Tgt Ion:228 Resp: 1053231  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 24.9 37.3  
 229 21.0 15.0 22.4

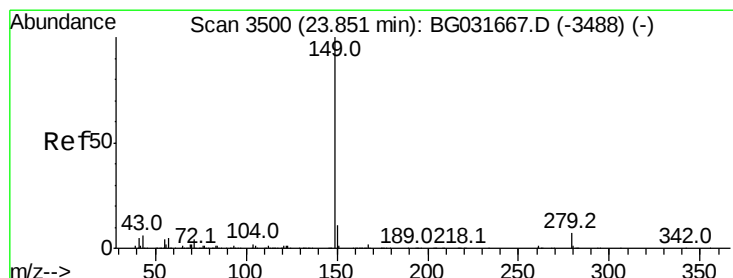
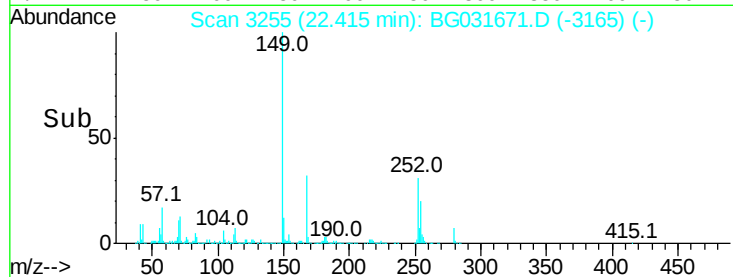
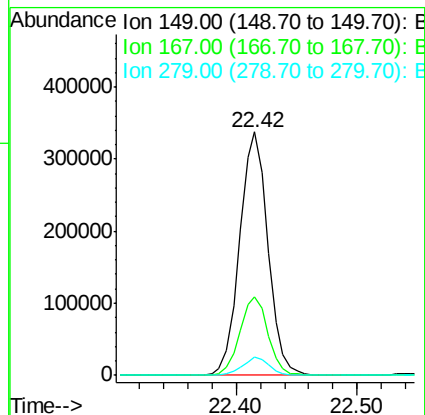
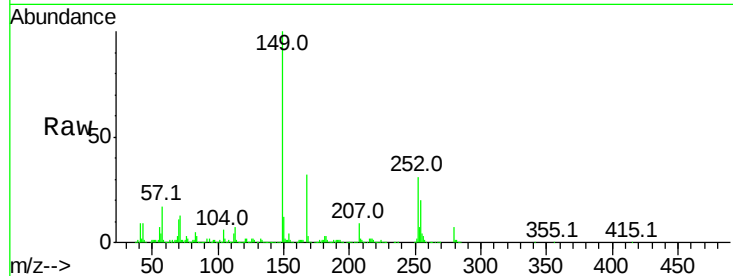




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.022 ng  
 RT: 22.42 min Scan# 3255  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

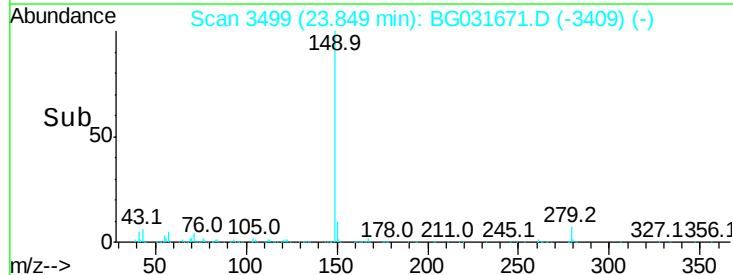
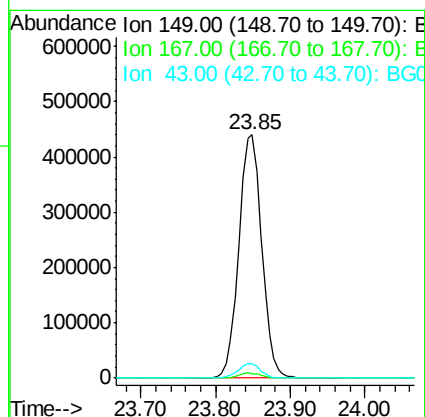
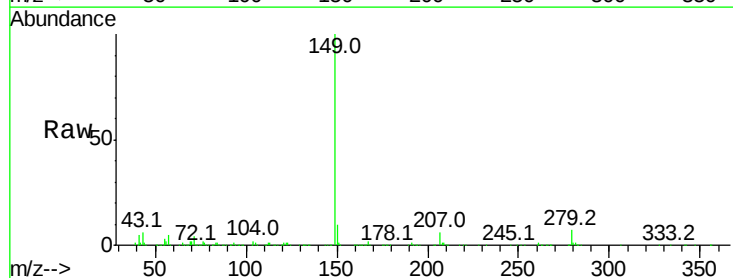
Instrument :  
 BNA\_G  
 ClientSampleId :

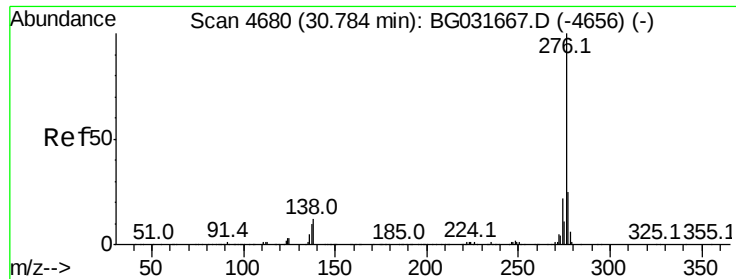
Tot Ion:149 Resp: 548844  
 Ion Ratio Lower Upper  
 149 100  
 167 32.1 24.3 36.5  
 279 7.3 4.0 6.0#



#84  
 Di-n-octyl phthalate  
 Concen: 39.476 ng  
 RT: 23.85 min Scan# 3499  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Tgt Ion:149 Resp: 935091  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.4 2.0  
 43 5.7 8.9 13.3#

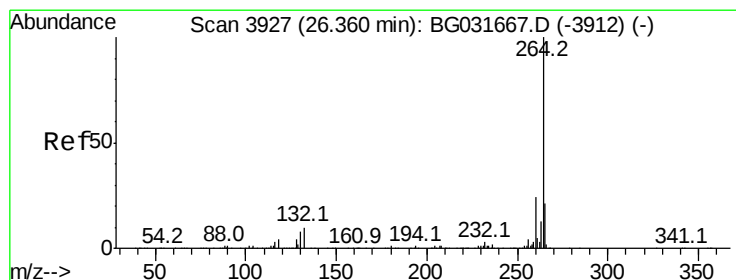
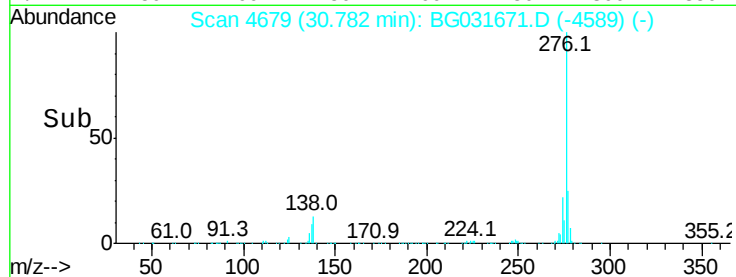
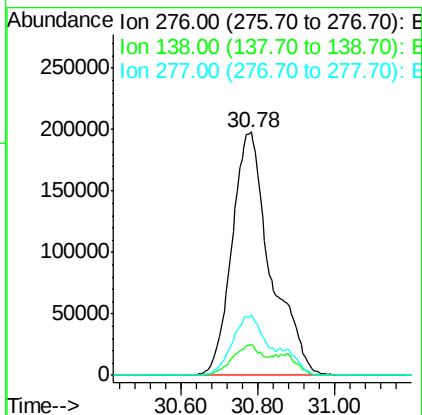
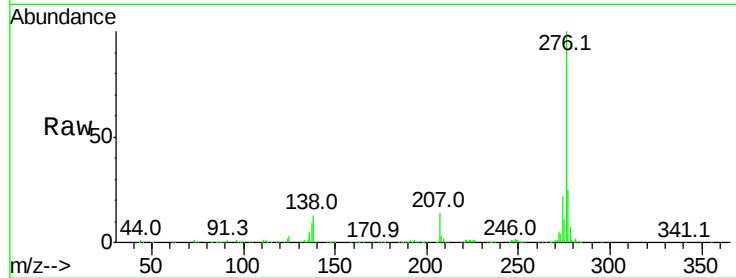




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 39.420 ng  
 RT: 30.78 min Scan# 4679  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

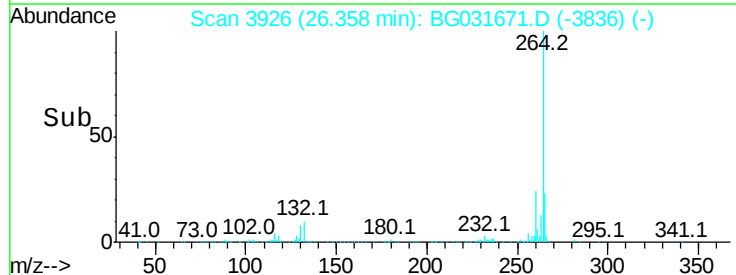
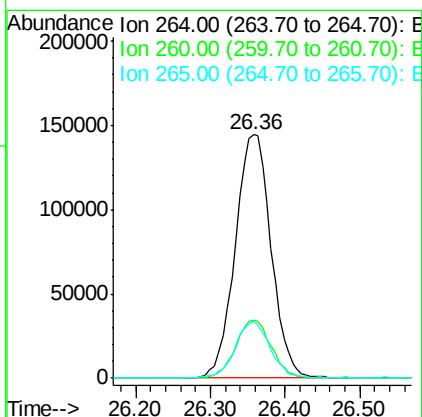
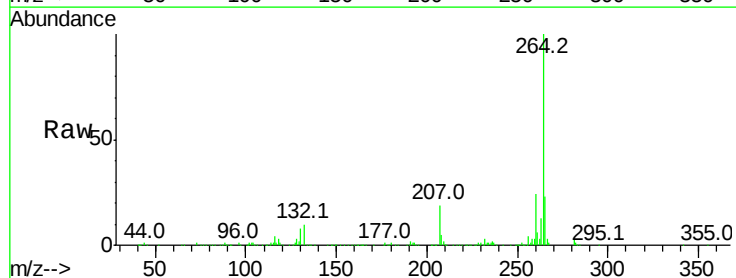
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:276 Resp: 1378042  
 Ion Ratio Lower Upper  
 276 100  
 138 9.1 16.0 24.0#  
 277 21.0 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.36 min Scan# 3926  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Tgt Ion:264 Resp: 481624  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 17.4 26.0  
 265 23.3 17.7 26.5

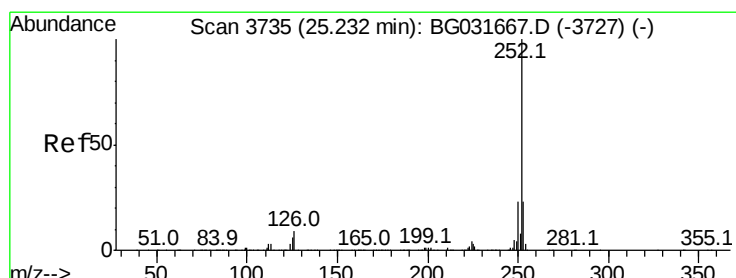
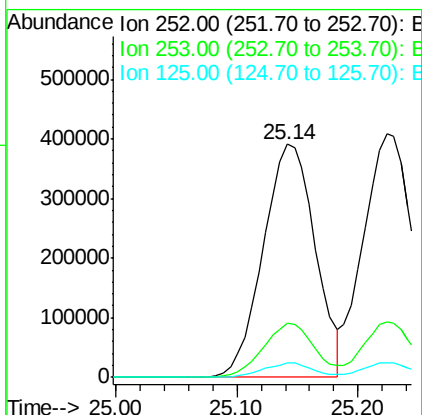
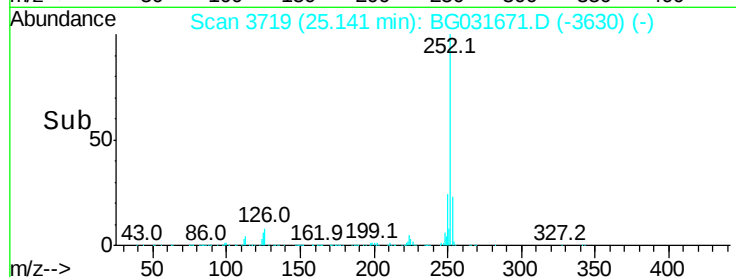
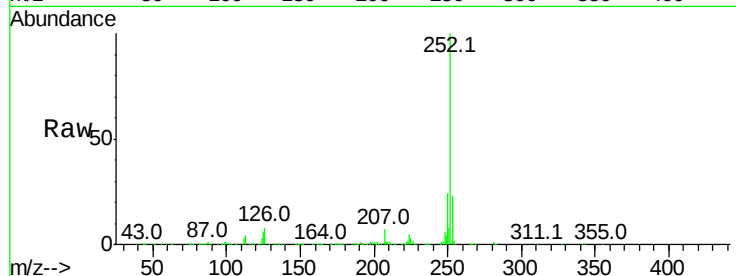




#87  
Benzo(b)fluoranthene  
Concen: 39.005 ng  
RT: 25.14 min Scan# 3719  
Delta R.T. -0.01 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

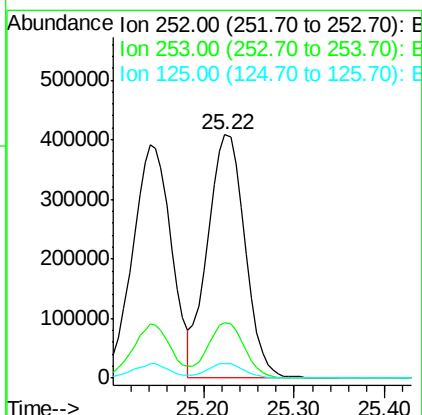
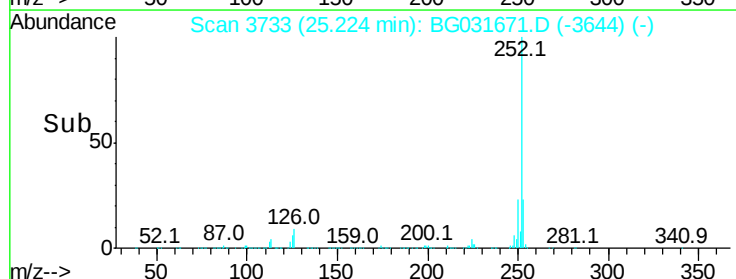
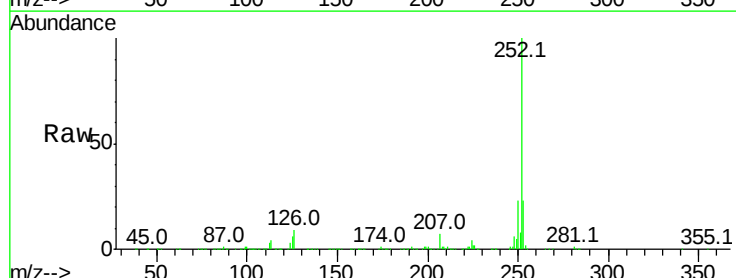
Instrument :  
BNA\_G  
ClientSampleId :

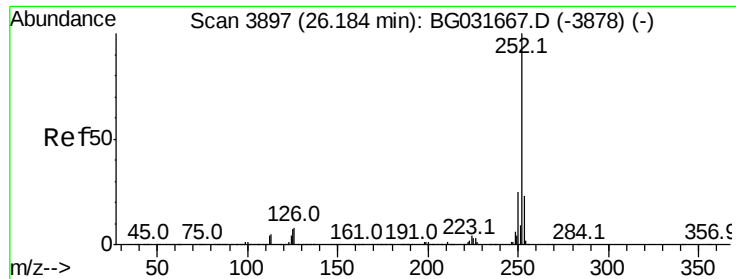
Tot Ion:252 Resp: 1166106  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.2 27.4  
125 6.2 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 38.991 ng  
RT: 25.22 min Scan# 3733  
Delta R.T. -0.01 min  
Lab File: BG031671.D  
Acq: 21 Dec 2017 13:32

Tgt Ion:252 Resp: 1166601  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.2  
125 5.8 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 38.924 ng

RT: 26.18 min Scan# 3896

Delta R.T. -0.00 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

Instrument :

BNA\_G

ClientSampleId :

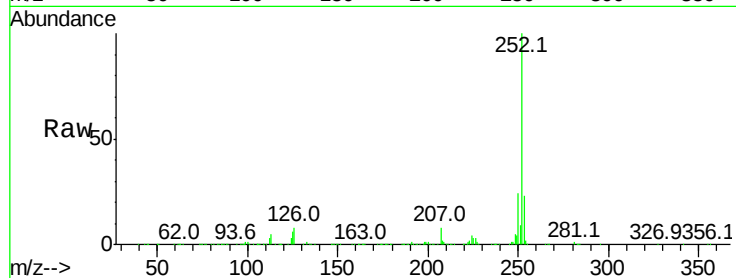
Tot Ion:252 Resp: 1114499

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

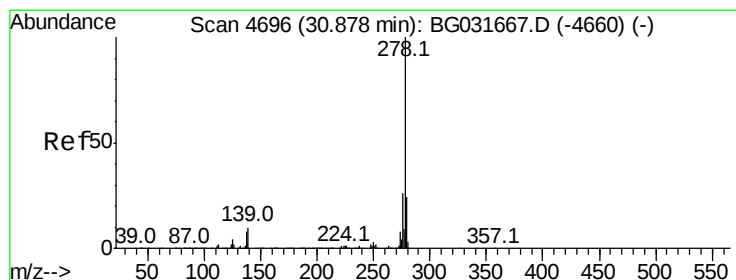
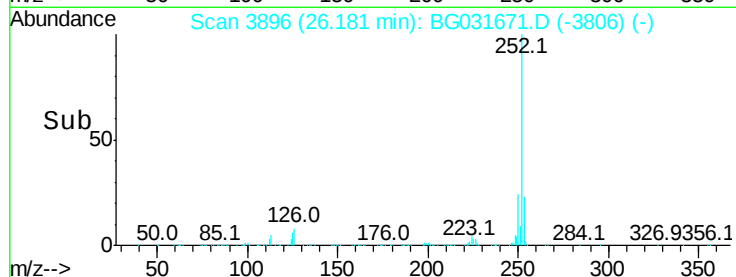
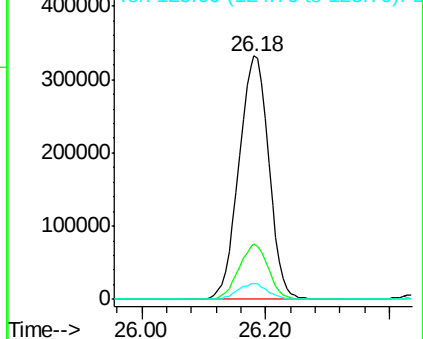
125 6.4 7.3 10.9#



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

Dibenzo(a,h)anthracene

Concen: 39.434 ng

RT: 30.86 min Scan# 4693

Delta R.T. -0.01 min

Lab File: BG031671.D

Acq: 21 Dec 2017 13:32

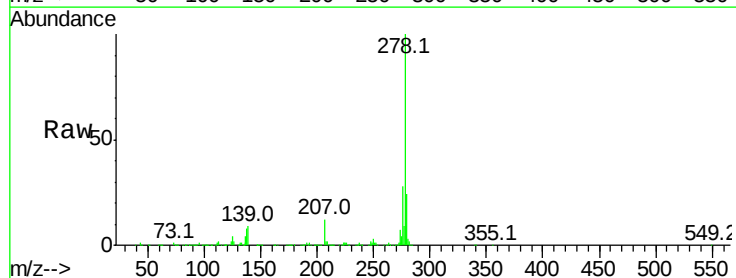
Tgt Ion:278 Resp: 1166119

Ion Ratio Lower Upper

278 100

139 9.1 9.8 14.6#

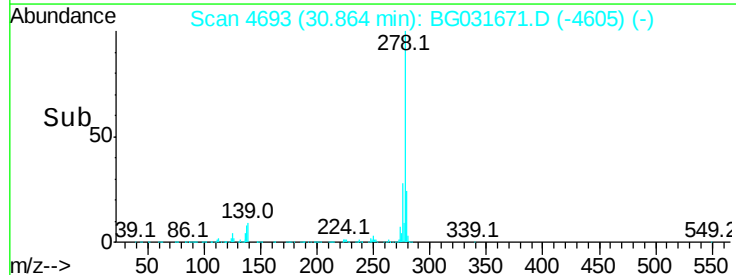
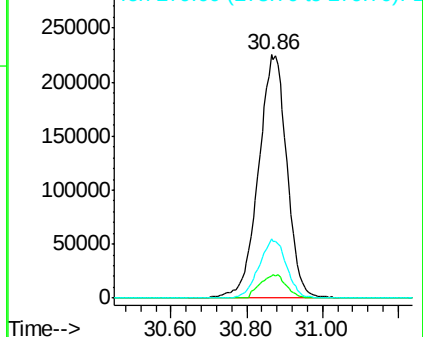
279 24.2 18.4 27.6

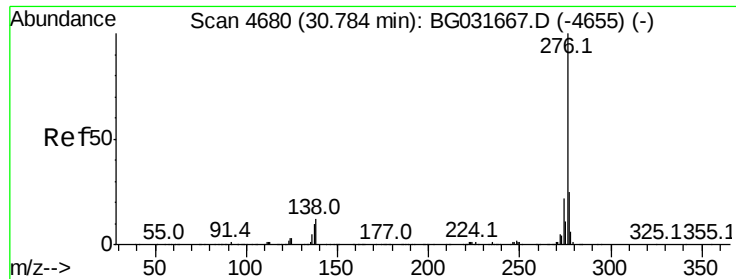


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(a,h,i)perylene  
 Concen: 39.470 ng  
 RT: 30.78 min Scan# 4679  
 Delta R.T. -0.00 min  
 Lab File: BG031671.D  
 Acq: 21 Dec 2017 13:32

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:276 Resp: 1378042  
 Ion Ratio Lower Upper  
 276 100  
 277 24.7 18.3 27.5  
 138 12.7 13.9 20.9#

