

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\  
 Data File : BG031686.D  
 Acq On : 21 Dec 2017 23:06  
 Operator : SJ/JU  
 Sample : I6681-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 22 03:17:18 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 | 8.83  | 152  | 55567    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 11.72 | 136  | 234606   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.47 | 164  | 169673   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.20 | 188  | 433448   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.56 | 240  | 488844   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.35 | 264  | 535638   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.25  | 112 | 410119  | 134.43 | ng | 0.00 |
| 7) Phenol-d6             | 7.93  | 99  | 497340  | 125.56 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.03 | 82  | 296107  | 95.31  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.94 | 330 | 391422  | 151.19 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.09 | 172 | 1091543 | 80.75  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.74 | 244 | 1975139 | 92.31  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.90  | 88  | 37626  | 33.271 | ng | # 78   |
| 3) Pyridine                    | 4.36  | 79  | 93891  | 31.060 | ng | # 80   |
| 4) n-Nitrosodimethylamine      | 4.25  | 42  | 48972  | 40.146 | ng | # 84   |
| 6) Aniline                     | 8.12  | 93  | 74116  | 14.544 | ng | # 89   |
| 8) 2-Chlorophenol              | 8.38  | 128 | 162872 | 46.024 | ng | # 80   |
| 9) Benzaldehyde                | 7.92  | 77  | 44483  | 18.651 | ng | # 88   |
| 10) Phenol                     | 7.96  | 94  | 166662 | 41.676 | ng | # 90   |
| 11) bis(2-Chloroethyl)ether    | 8.21  | 93  | 132961 | 40.035 | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 8.72  | 146 | 172827 | 39.326 | ng | # 93   |
| 13) 1,4-Dichlorobenzene        | 8.87  | 146 | 175489 | 39.091 | ng | # 94   |
| 14) 1,2-Dichlorobenzene        | 9.20  | 146 | 171119 | 40.228 | ng | # 96   |
| 15) Benzyl Alcohol             | 9.06  | 79  | 135448 | 45.552 | ng | # 92   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.36  | 45  | 137267 | 50.753 | ng | # 82   |
| 17) 2-Methylphenol             | 9.26  | 107 | 132528 | 46.317 | ng | # 95   |
| 18) Hexachloroethane           | 9.96  | 117 | 53729  | 39.517 | ng | # 86   |
| 19) n-Nitroso-di-n-propylamine | 9.65  | 70  | 105211 | 38.894 | ng | # 84   |
| 20) 3+4-Methylphenols          | 9.60  | 107 | 181029 | 44.515 | ng | # 93   |
| 22) Acetophenone               | 9.67  | 105 | 234790 | 43.076 | ng | # 87   |
| 24) Nitrobenzene               | 10.07 | 77  | 147438 | 46.045 | ng | # 81   |
| 25) Isophorone                 | 10.60 | 82  | 306255 | 45.790 | ng | # 86   |
| 26) 2-Nitrophenol              | 10.80 | 139 | 84440  | 50.295 | ng | # 83   |
| 27) 2,4-Dimethylphenol         | 10.84 | 122 | 175280 | 49.614 | ng | # 90   |
| 28) bis(2-Chloroethoxy)methane | 11.08 | 93  | 190730 | 42.500 | ng | # 94   |
| 29) 2,4-Dichlorophenol         | 11.34 | 162 | 202759 | 48.888 | ng | # 92   |
| 30) 1,2,4-Trichlorobenzene     | 11.57 | 180 | 205802 | 40.640 | ng | # 99   |
| 31) Naphthalene                | 11.77 | 128 | 534281 | 45.125 | ng | # 99   |
| 32) Benzoic acid               | 10.95 | 122 | 100077 | 42.441 | ng | # 79   |
| 33) 4-Chloroaniline            | 11.85 | 127 | 25503  | 4.838  | ng | # 86   |
| 34) Hexachlorobutadiene        | 12.04 | 225 | 137990 | 39.692 | ng | # 98   |
| 35) Caprolactam                | 12.61 | 113 | 52074  | 41.422 | ng | # 49   |
| 36) 4-Chloro-3-methylphenol    | 12.93 | 107 | 187566 | 48.968 | ng | # 80   |
| 37) 2-Methylnaphthalene        | 13.33 | 142 | 420868 | 43.848 | ng | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.68 | 216 | 289306 | 40.481 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 13.66 | 237 | 341797 | 90.658 | ng | # 94   |

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 ALS Vial : 13 Sample Multiplier: 1

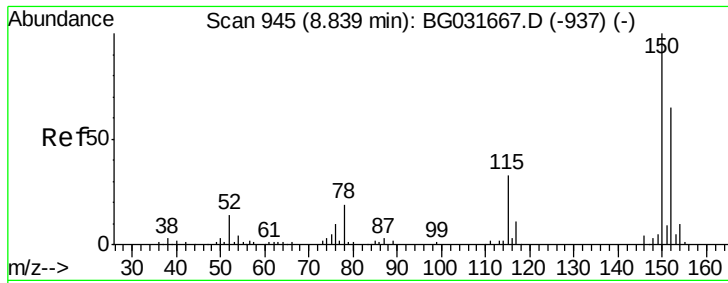
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 22 03:17:18 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      | 13.90 | 196  | 190908   | 46.331  | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 13.97 | 196  | 211318   | 46.277  | nq #  | 89       |
| 45) 1,1'-Biphenyl              | 14.30 | 154  | 613271   | 42.319  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.36 | 162  | 459402   | 41.561  | nq    | 95       |
| 47) 2-Nitroaniline             | 14.54 | 65   | 94352    | 49.423  | nq #  | 63       |
| 48) Acenaphthylene             | 15.20 | 152  | 720429   | 40.739  | nq    | 99       |
| 49) Dimethylphthalate          | 14.90 | 163  | 637474   | 42.647  | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 15.02 | 165  | 137788   | 50.109  | nq #  | 67       |
| 51) Acenaphthene               | 15.53 | 154  | 535007   | 46.195  | nq    | 94       |
| 52) 3-Nitroaniline             | 15.34 | 138  | 33995    | 12.672  | nq #  | 69       |
| 53) 2,4-Dinitrophenol          | 15.55 | 184  | 148710   | 122.789 | nq #  | 70       |
| 54) Dibenzofuran               | 15.86 | 168  | 762646   | 42.958  | nq    | 98       |
| 55) 4-Nitrophenol              | 15.63 | 139  | 207702   | 95.123  | nq #  | 68       |
| 56) 2,4-Dinitrotoluene         | 15.80 | 165  | 194961   | 55.139  | nq #  | 63       |
| 57) Fluorene                   | 16.50 | 166  | 614373   | 42.599  | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.07 | 232  | 221727   | 49.768  | nq #  | 85       |
| 59) Diethylphthalate           | 16.24 | 149  | 626940   | 43.033  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.48 | 204  | 367700   | 41.668  | nq    | 92       |
| 61) 4-Nitroaniline             | 16.50 | 138  | 92565    | 35.358  | nq    | 77       |
| 62) Azobenzene                 | 16.78 | 77   | 405427   | 43.393  | nq    | 83       |
| 64) 4,6-Dinitro-2-methylphenol | 16.55 | 198  | 97006    | 46.349  | nq #  | 68       |
| 65) n-Nitrosodiphenylamine     | 16.69 | 169  | 579237   | 40.236  | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 17.38 | 248  | 274834   | 43.848  | nq    | 93       |
| 67) Hexachlorobenzene          | 17.50 | 284  | 281499   | 43.933  | nq #  | 90       |
| 68) Atrazine                   | 17.62 | 200  | 228589   | 40.837  | nq    | 97       |
| 69) Pentachlorophenol          | 17.83 | 266  | 381057   | 86.463  | nq    | 99       |
| 70) Phenanthrene               | 18.25 | 178  | 1067149  | 43.504  | nq    | 99       |
| 71) Anthracene                 | 18.33 | 178  | 1080620  | 43.671  | nq    | 99       |
| 72) Carbazole                  | 18.59 | 167  | 946777   | 43.230  | nq    | 99       |
| 73) Di-n-butylphthalate        | 19.11 | 149  | 1065170  | 43.764  | nq    | 99       |
| 74) Fluoranthene               | 20.20 | 202  | 1327879  | 44.118  | nq    | 96       |
| 76) Benzidine                  | 20.36 | 184  | 206789   | 13.705  | nq    | 97       |
| 77) Pyrene                     | 20.56 | 202  | 1332810  | 42.683  | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.44 | 149  | 466783   | 44.530  | nq #  | 77       |
| 80) Benzo(a)anthracene         | 22.54 | 228  | 1347107  | 43.321  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 22.43 | 252  | 239768   | 19.887  | nq #  | 97       |
| 82) Chrysene                   | 22.62 | 228  | 1274993  | 43.335  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 22.41 | 149  | 659969   | 43.457  | nq #  | 97       |
| 84) Di-n-octyl phthalate       | 23.83 | 149  | 1156914  | 45.233  | nq #  | 88       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.77 | 276  | 1755594  | 46.511  | nq #  | 75       |
| 87) Benzo(b)fluoranthene       | 25.14 | 252  | 1451176  | 43.645  | nq #  | 98       |
| 88) Benzo(k)fluoranthene       | 25.23 | 252  | 1433616  | 43.084  | nq #  | 97       |
| 89) Benzo(a)pyrene             | 26.18 | 252  | 1425136  | 44.754  | nq #  | 97       |
| 90) Dibenzo(a,h)anthracene     | 30.87 | 278  | 1456097  | 44.275  | nq #  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.77 | 276  | 1755594  | 45.213  | nq #  | 94       |

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



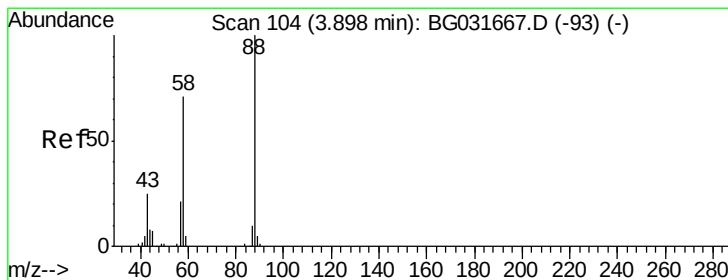
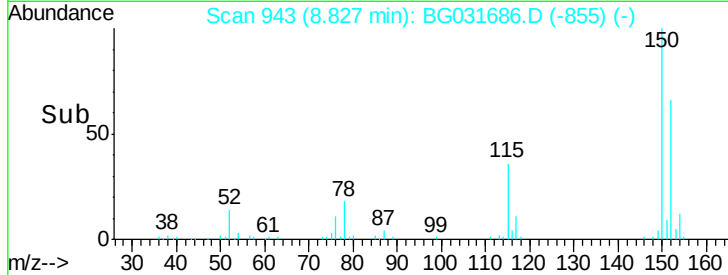
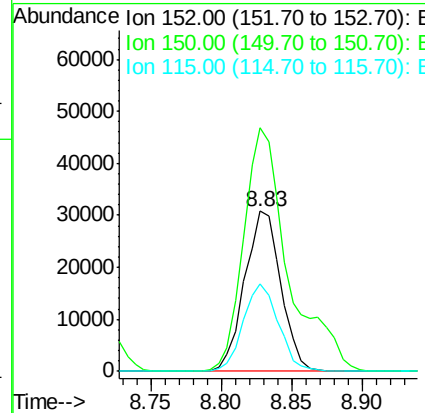
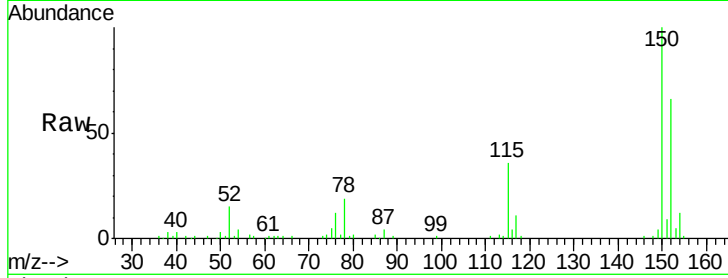


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.83 min Scan# 943  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

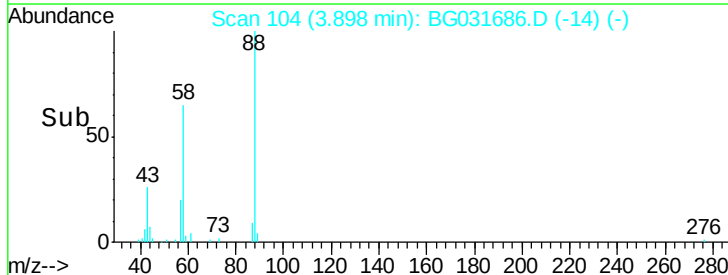
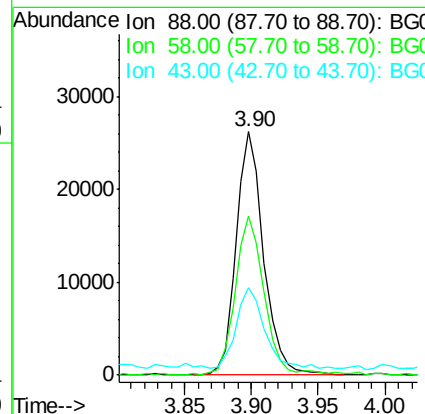
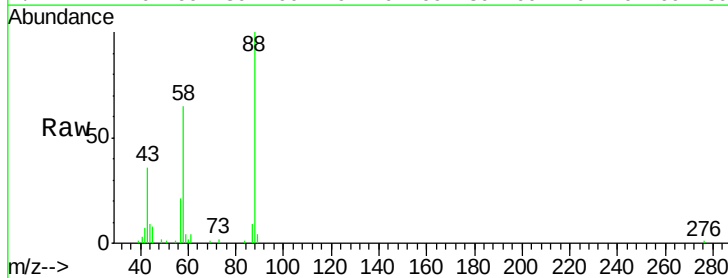
Tot Ion:152 Resp: 55567  
Ion Ratio Lower Upper  
152 100  
150 152.1 126.6 189.8  
115 54.5 53.0 79.4

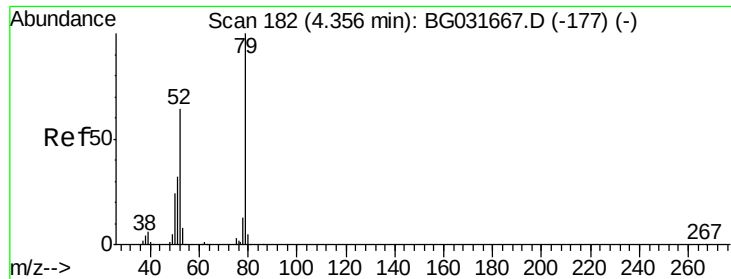


#2

1,4-Dioxane  
Concen: 33.271 ng  
RT: 3.90 min Scan# 104  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion: 88 Resp: 37626  
Ion Ratio Lower Upper  
88 100  
58 69.9 79.6 119.4#  
43 34.4 27.4 41.0





#3

Pvridine

Concen: 31.060 ng

RT: 4.36 min Scan# 182

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

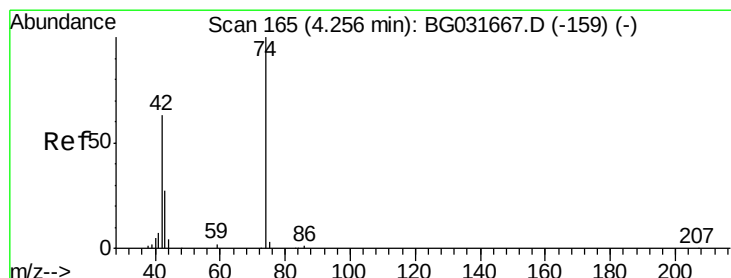
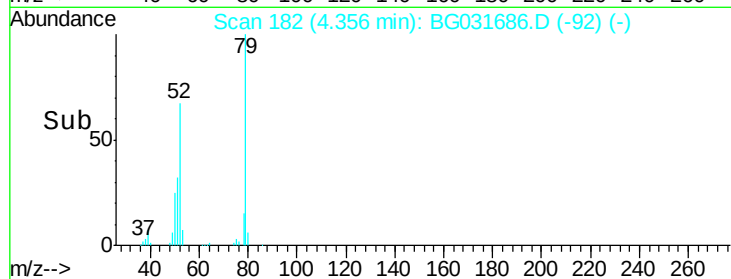
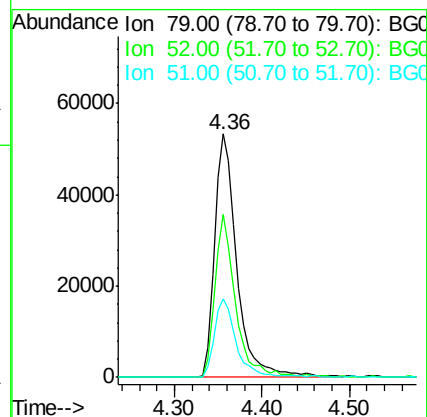
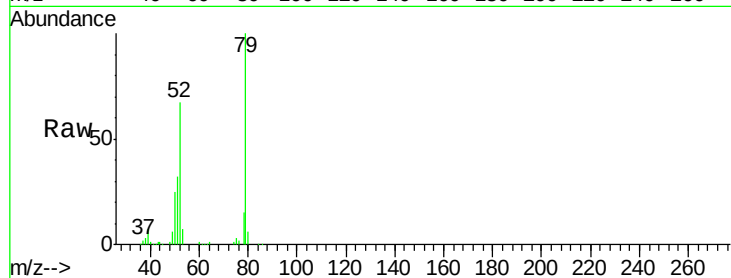
Tot Ion: 79 Resp: 93891

Ion Ratio Lower Upper

79 100

52 66.8 69.9 104.9#

51 32.4 34.0 51.0#



#4

n-Nitrosodimethylamine

Concen: 40.146 ng

RT: 4.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

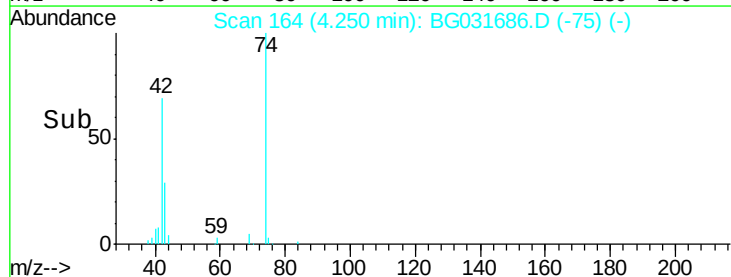
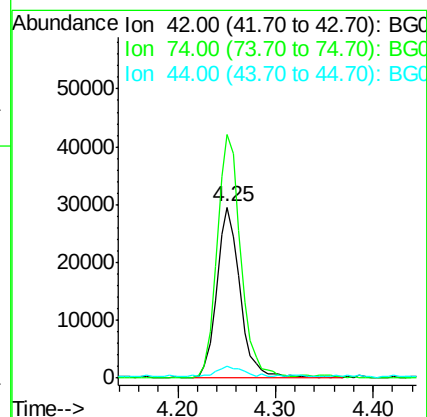
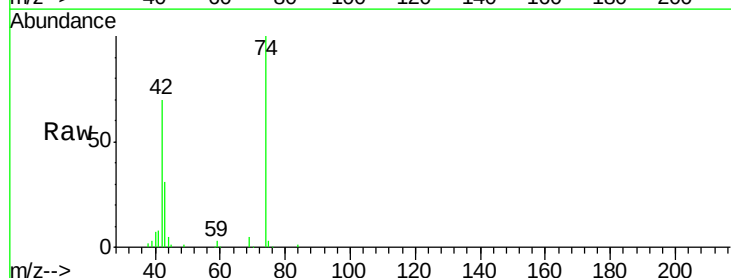
Tgt Ion: 42 Resp: 48972

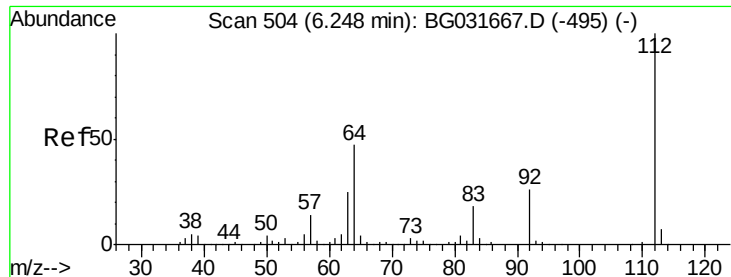
Ion Ratio Lower Upper

42 100

74 142.6 102.5 153.7

44 7.1 18.9 28.3#





#5

2-Fluorophenol

Concen: 134.429 ng

RT: 6.25 min Scan# 504

Delta R.T. -0.00 min

Lab File: BG031686.D

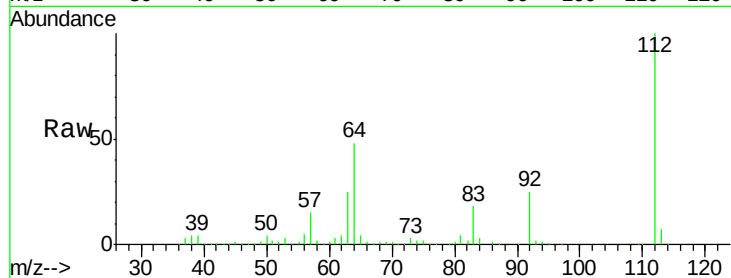
Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 410119 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 47.6  | 56.3  | 84.5#  |
| 63       | 25.1  | 30.1  | 45.1#  |

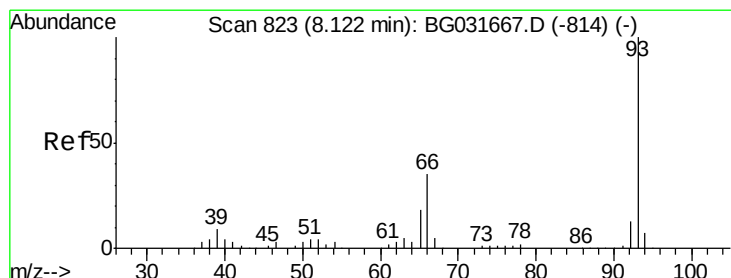
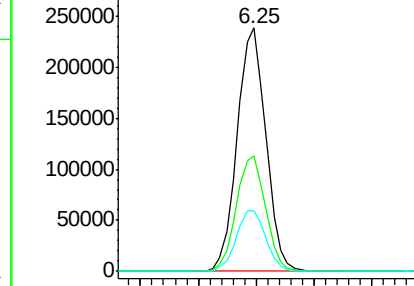
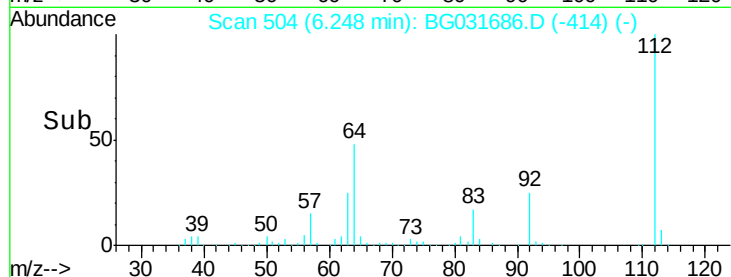


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->



#6

Aniline

Concen: 14.544 ng

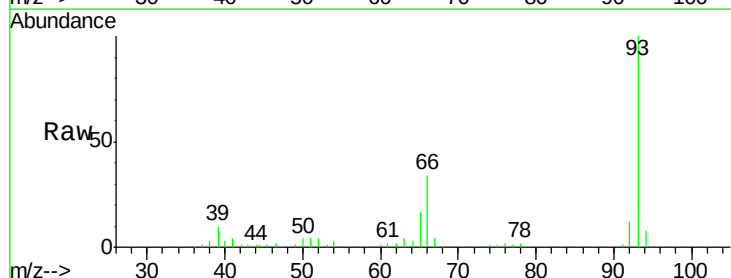
RT: 8.12 min Scan# 823

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 74116 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 33.7  | 33.7  | 50.5  |
| 65       | 16.9  | 16.1  | 24.1  |

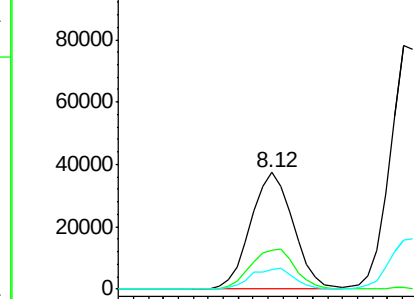
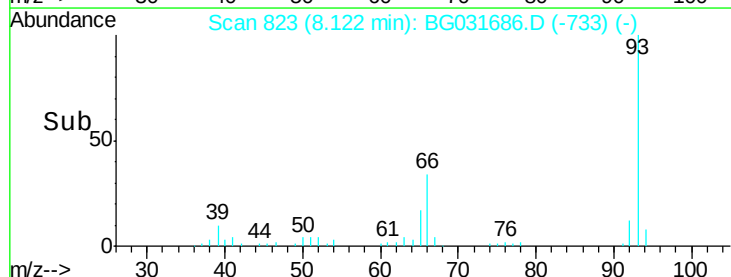


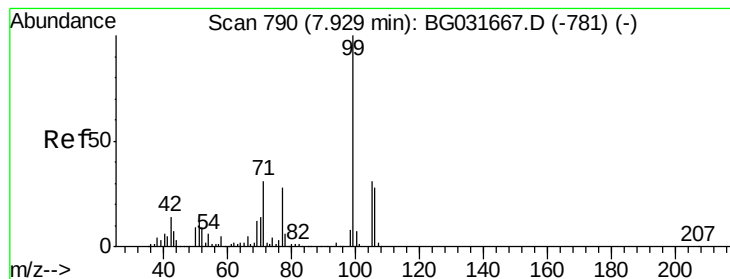
Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->





#7

Phenol-d6

Concen: 125.560 ng

RT: 7.93 min Scan# 790

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

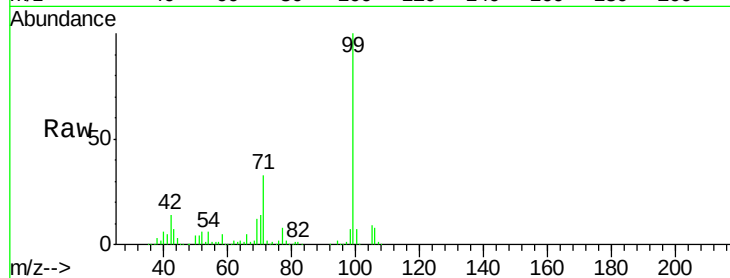
Tot Ion: 99 Resp: 497340

Ion Ratio Lower Upper

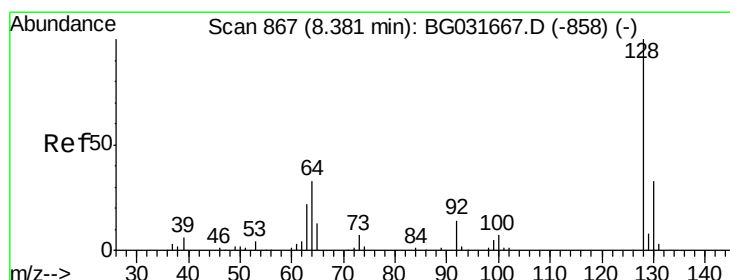
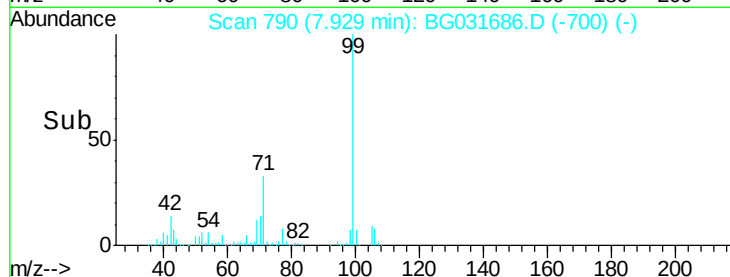
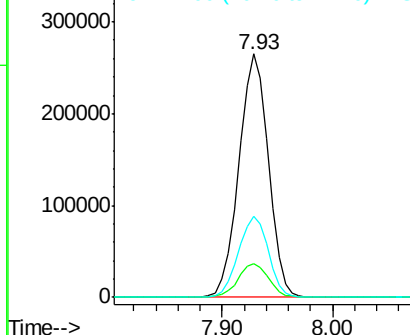
99 100

42 14.0 14.1 21.1#

71 33.2 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: 46.024 ng

RT: 8.38 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

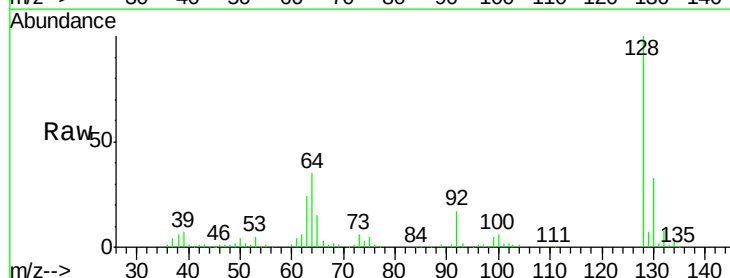
Tgt Ion:128 Resp: 162872

Ion Ratio Lower Upper

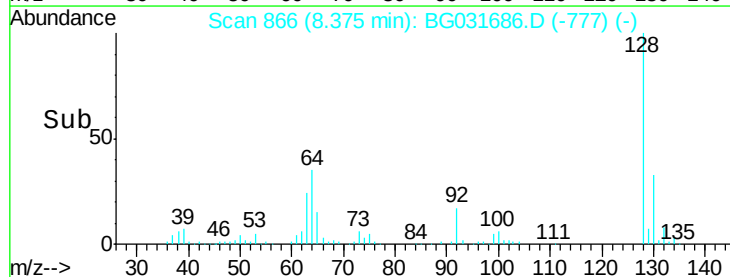
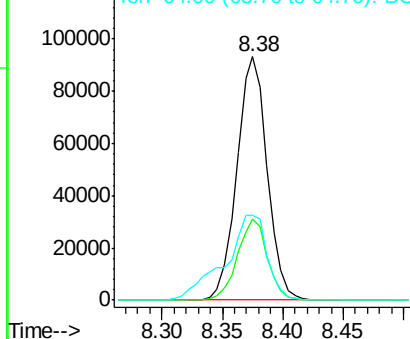
128 100

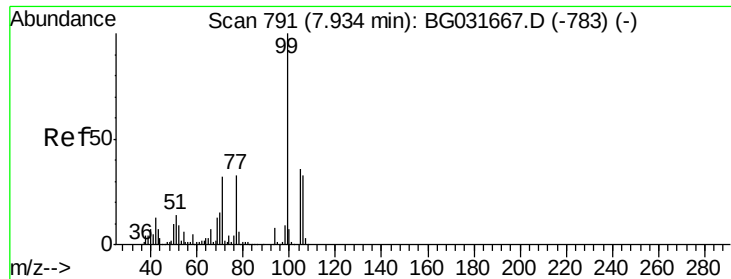
130 33.2 14.0 54.0

64 35.1 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: 18.651 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

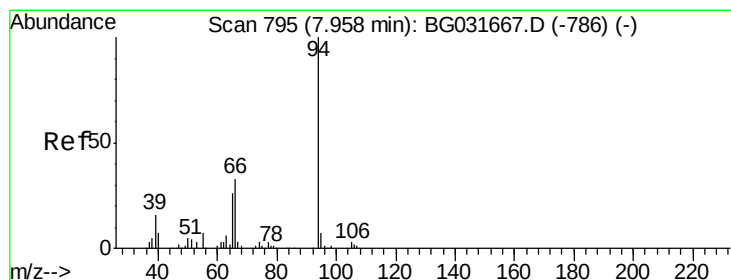
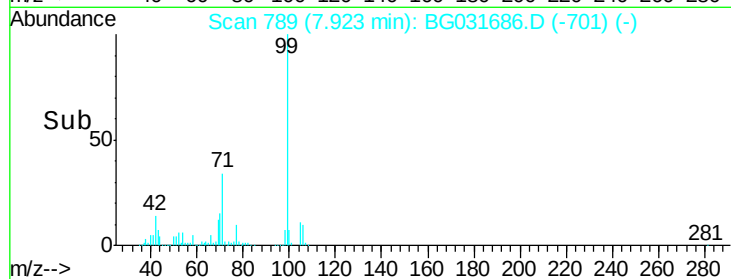
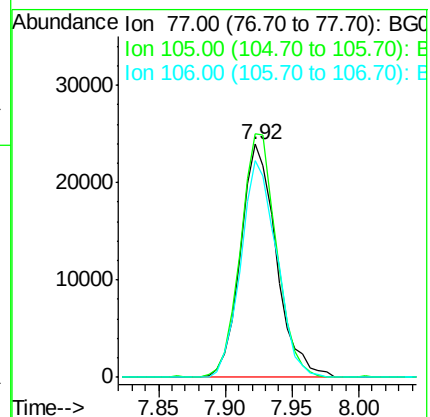
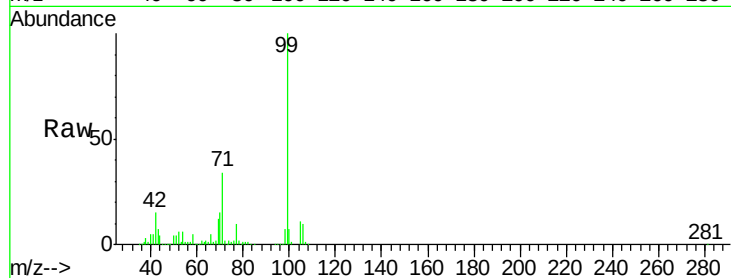
Tot Ion: 77 Resp: 44483

Ion Ratio Lower Upper

77 100

105 104.4 71.3 111.3

106 93.2 64.2 104.2



#10

Phenol

Concen: 41.676 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

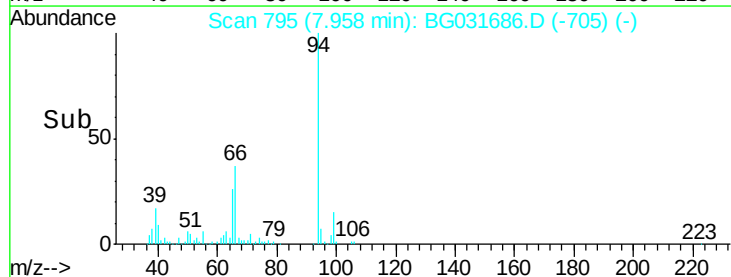
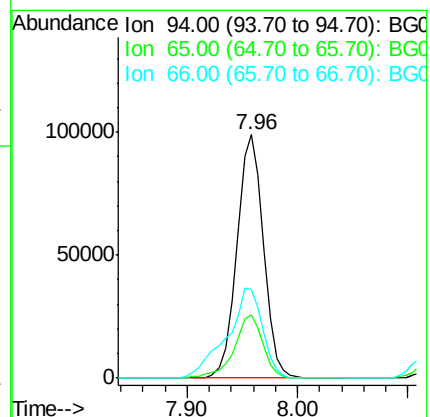
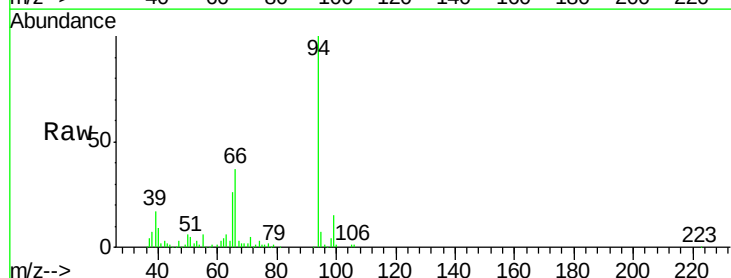
Tgt Ion: 94 Resp: 166662

Ion Ratio Lower Upper

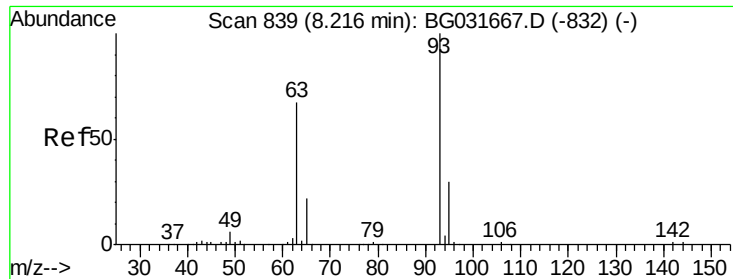
94 100

65 26.2 11.9 51.9

66 36.5 22.2 62.2



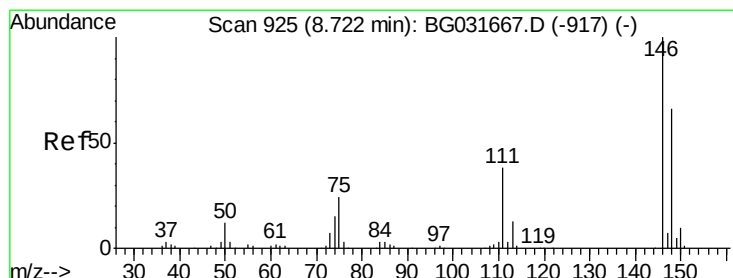
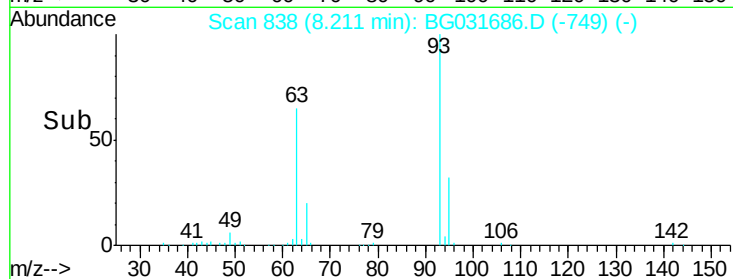
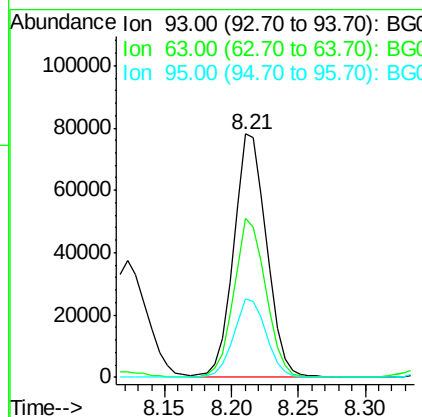
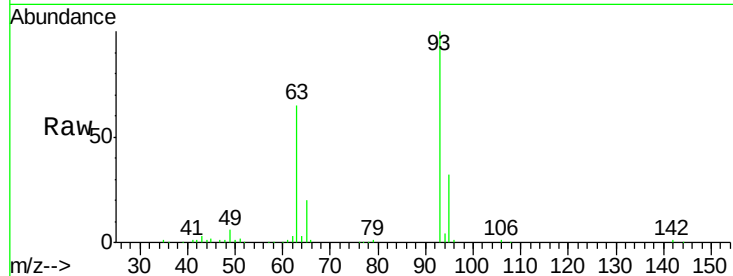




#11  
bis(2-Chloroethyl)ether  
Concen: 40.035 ng  
RT: 8.21 min Scan# 838  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

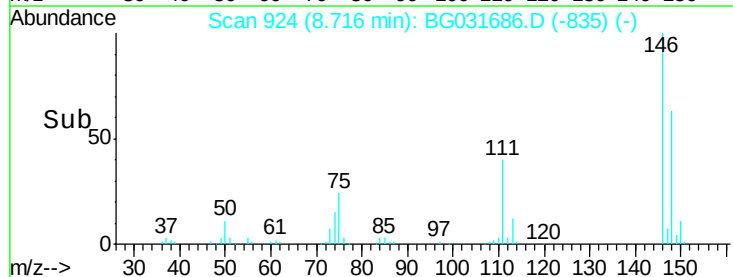
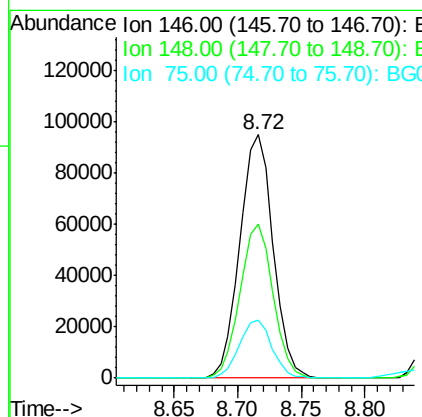
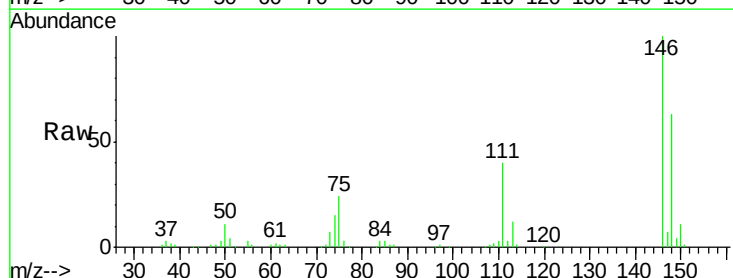
Instrument :  
BNA\_G  
ClientSampled :

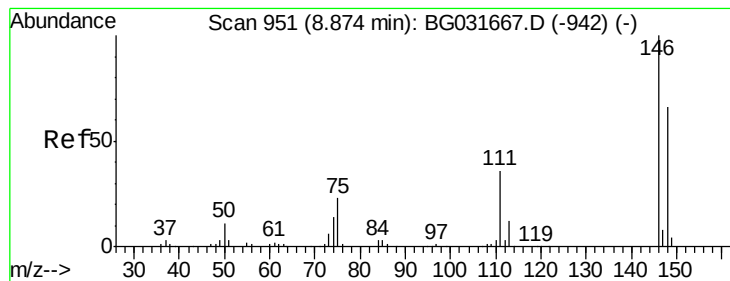
Tot Ion: 93 Resp: 132961  
Ion Ratio Lower Upper  
93 100  
63 65.2 67.1 107.1#  
95 32.2 11.5 51.5



#12  
1,3-Dichlorobenzene  
Concen: 39.326 ng  
RT: 8.72 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion: 146 Resp: 172827  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.4 77.2  
75 23.6 26.6 39.8#

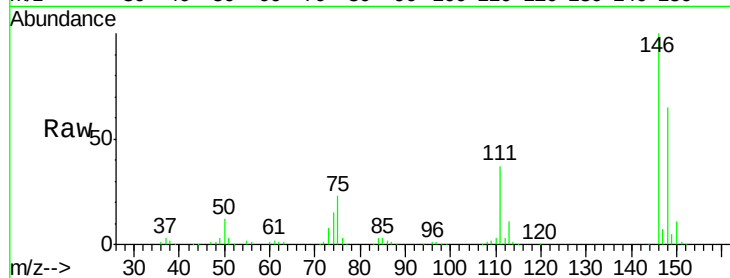




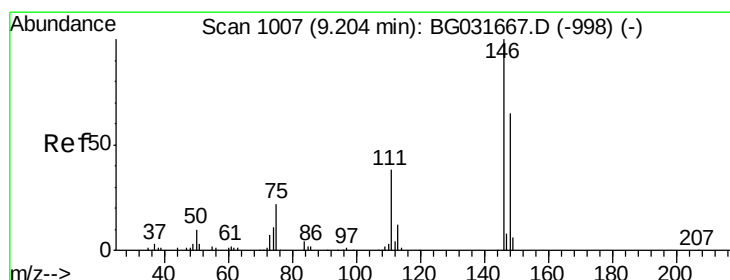
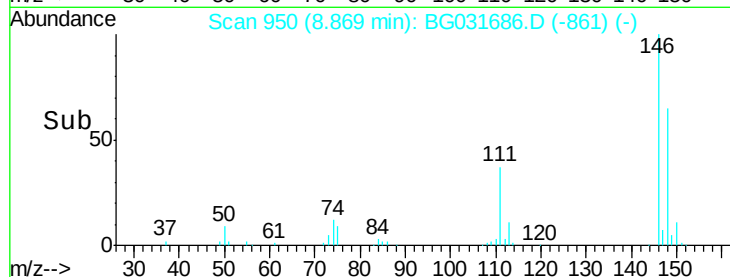
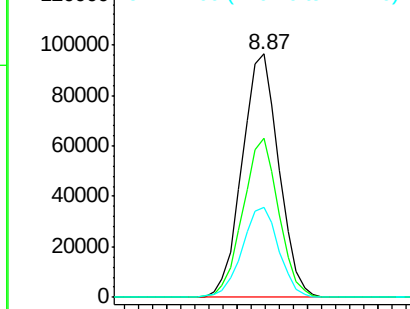
#13  
 1,4-Dichlorobenzene  
 Concen: 39.091 ng  
 RT: 8.87 min Scan# 950  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 175489  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 53.7 80.5  
 111 37.1 35.2 52.8

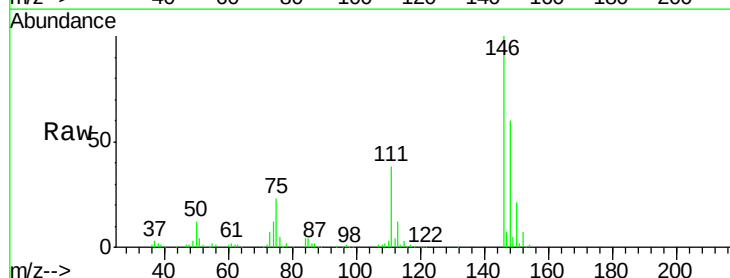


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

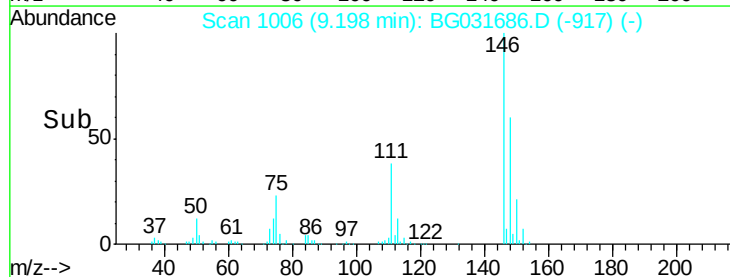
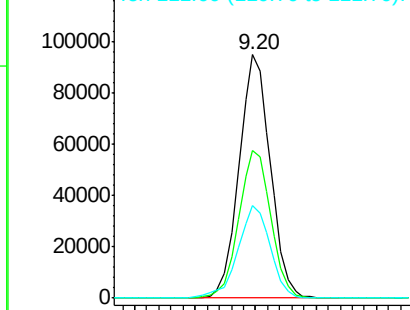


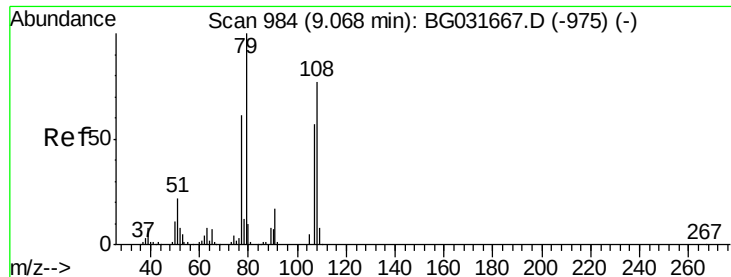
#14  
 1,2-Dichlorobenzene  
 Concen: 40.228 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:146 Resp: 171119  
 Ion Ratio Lower Upper  
 146 100  
 148 60.4 49.3 73.9  
 111 37.8 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: 45.552 ng

RT: 9.06 min Scan# 983

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

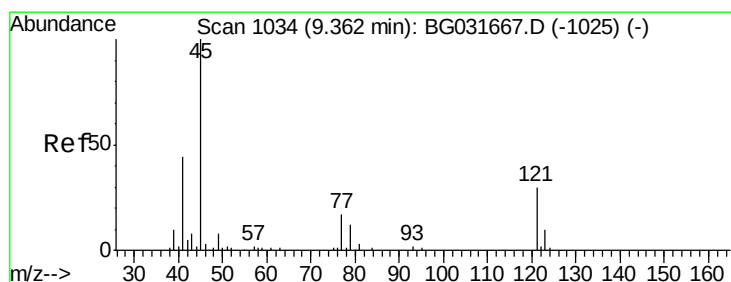
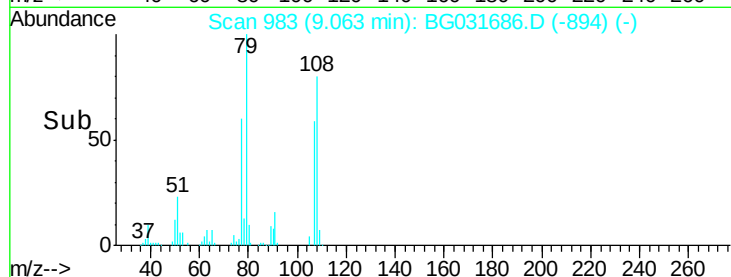
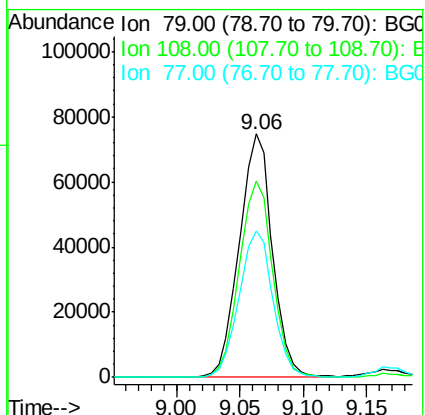
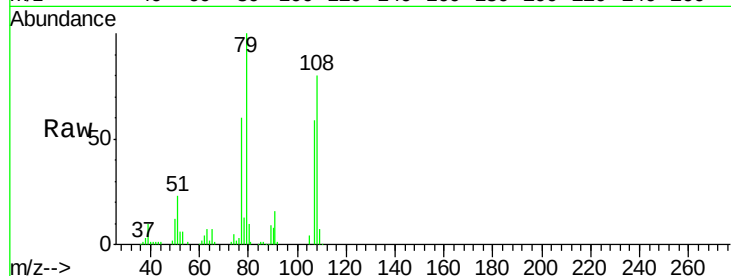
Tot Ion: 79 Resp: 135448

Ion Ratio Lower Upper

79 100

108 80.4 57.2 85.8

77 60.3 46.1 69.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 50.753 ng

RT: 9.36 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

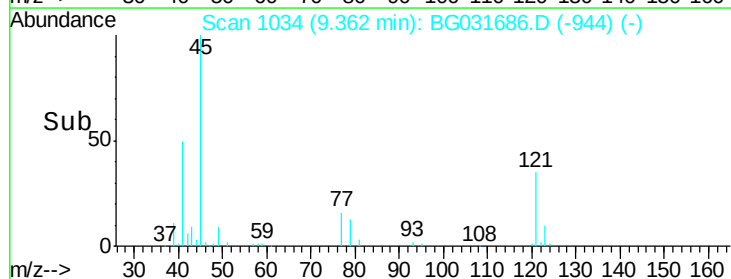
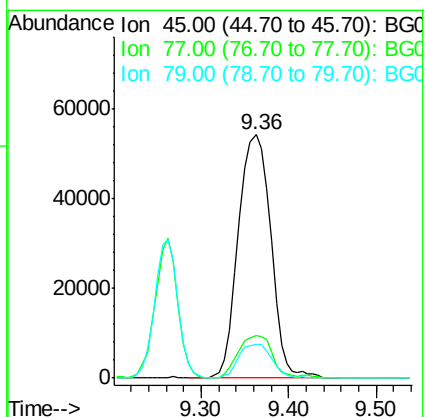
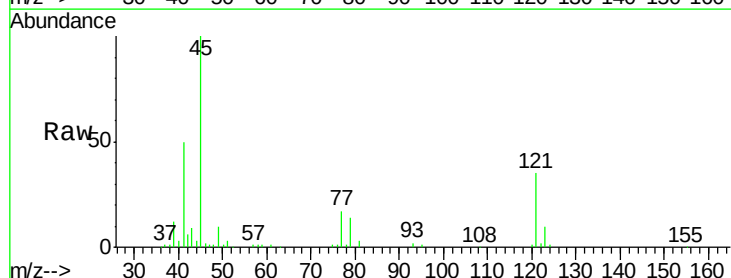
Tgt Ion: 45 Resp: 137267

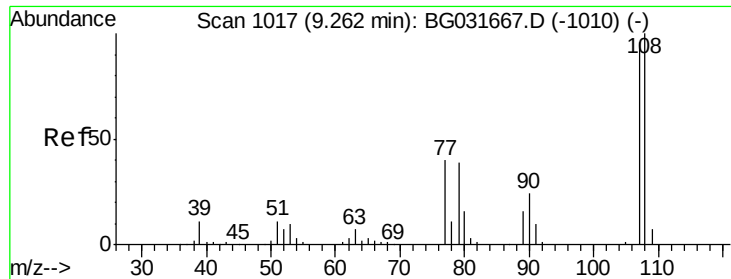
Ion Ratio Lower Upper

45 100

77 17.3 0.0 30.2

79 13.6 0.0 27.9

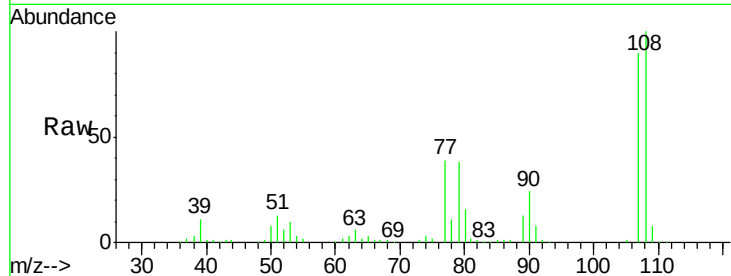




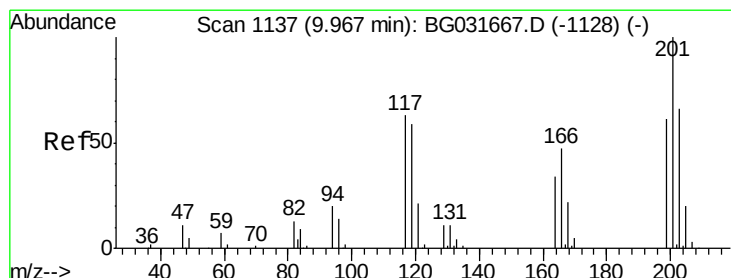
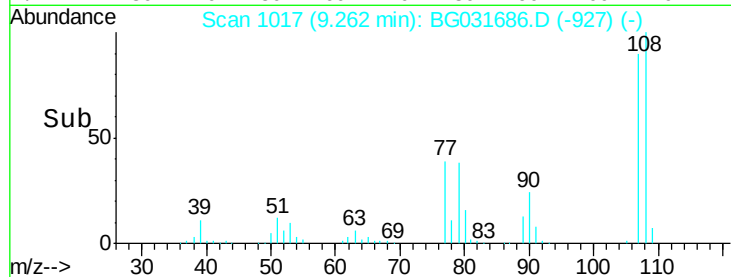
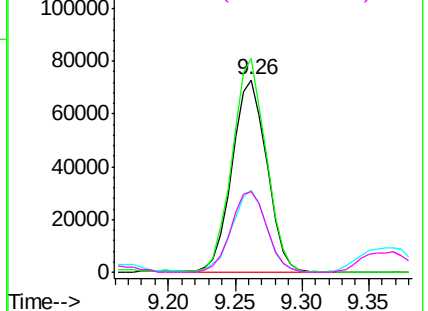
#17  
2-Methylphenol  
Concen: 46.317 ng  
RT: 9.26 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 132528 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.9 | 83.9  | 125.9  |
| 77       | 42.8  | 37.2  | 55.8   |
| 79       | 42.2  | 36.2  | 54.2   |

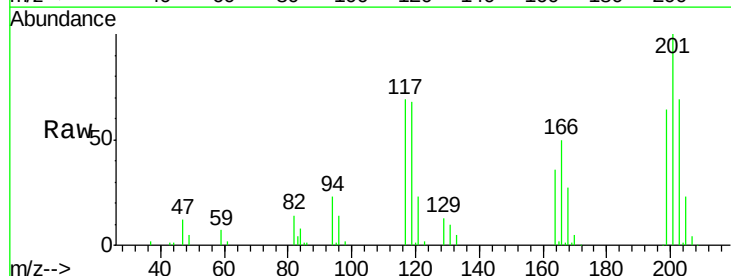


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

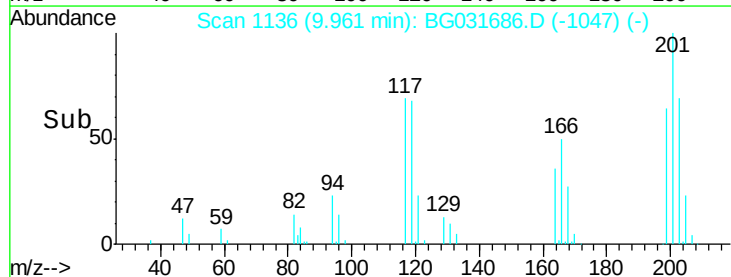
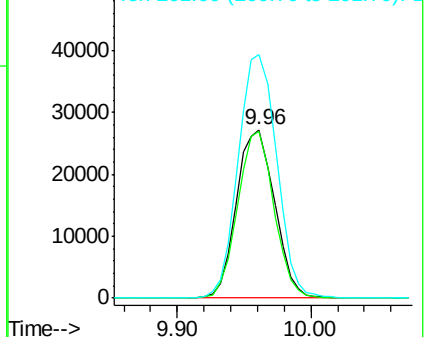


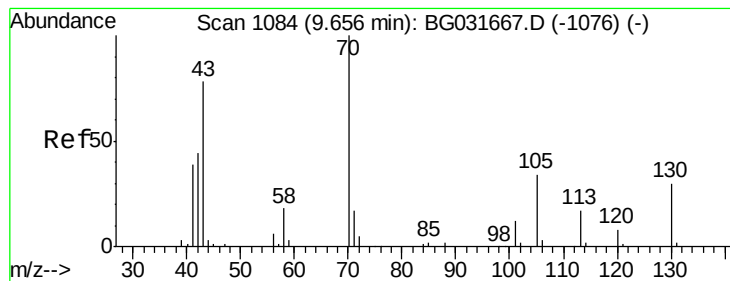
#18  
Hexachloroethane  
Concen: 39.517 ng  
RT: 9.96 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 53729  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.9  | 76.7  | 115.1  |
| 201      | 144.4 | 95.7  | 143.5# |



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





#19

n-Nitroso-di-n-propylamine

Concen: 38.894 ng

RT: 9.65 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 105211

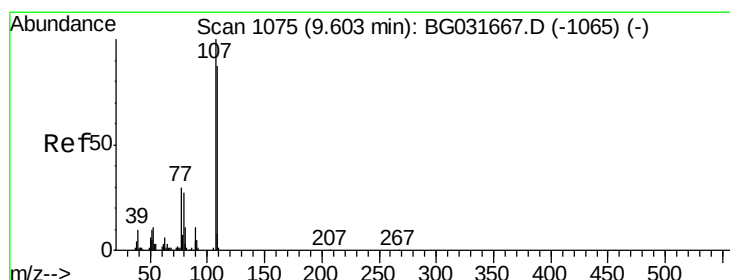
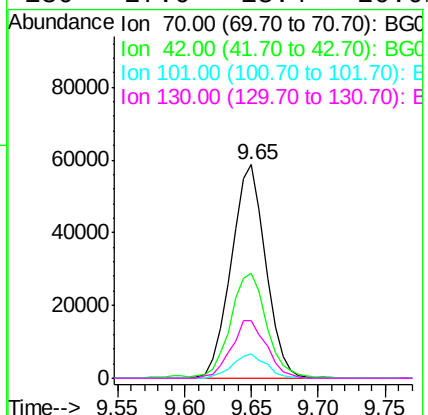
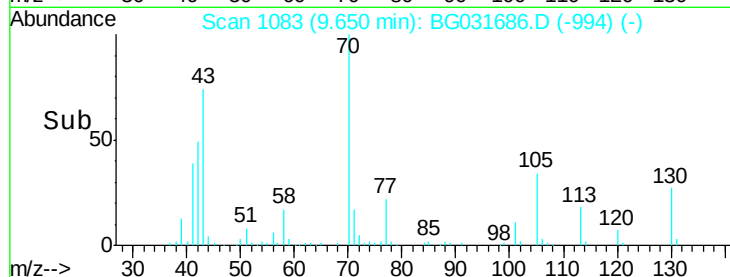
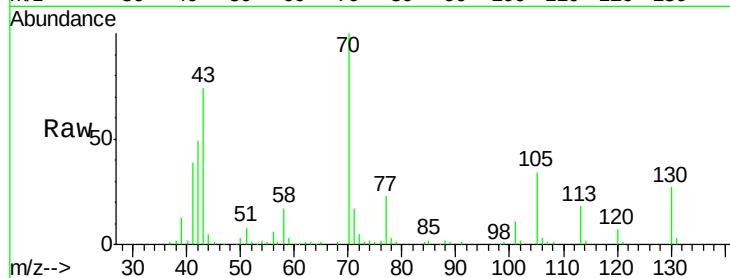
Ion Ratio Lower Upper

70 100

42 49.0 49.1 73.7#

101 11.3 8.5 12.7

130 27.0 13.4 20.0#



#20

3+4-Methylphenols

Concen: 44.515 ng

RT: 9.60 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Tgt Ion:107 Resp: 181029

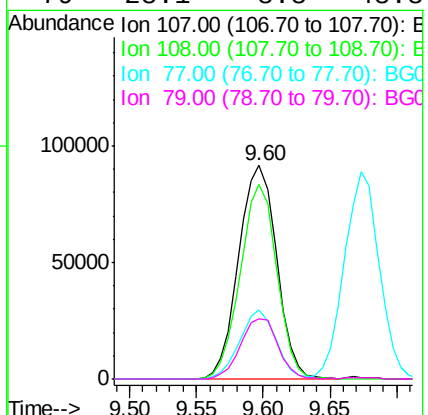
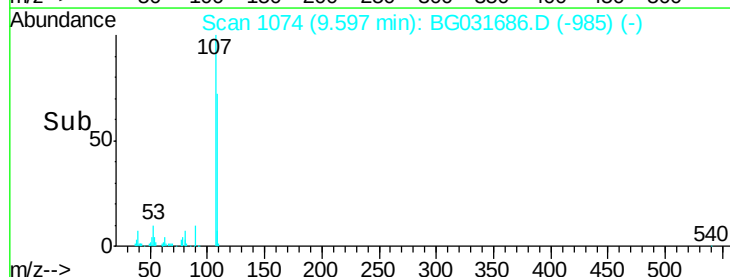
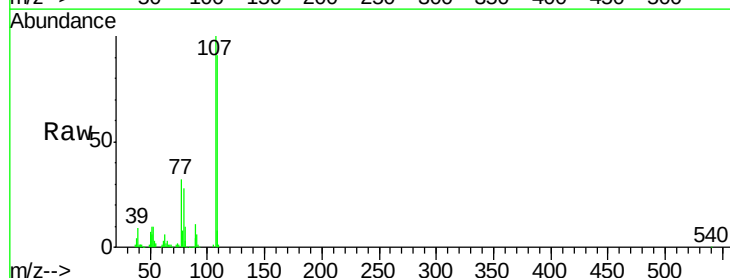
Ion Ratio Lower Upper

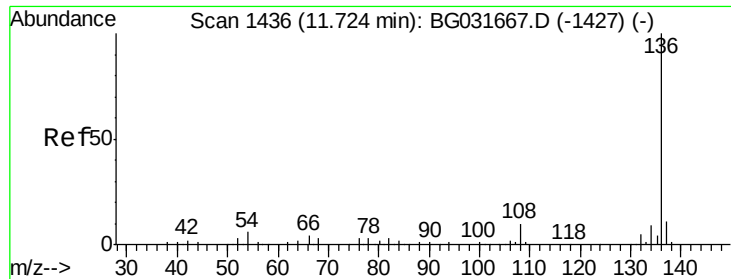
107 100

108 91.1 61.6 101.6

77 32.3 13.9 53.9

79 28.1 8.8 48.8

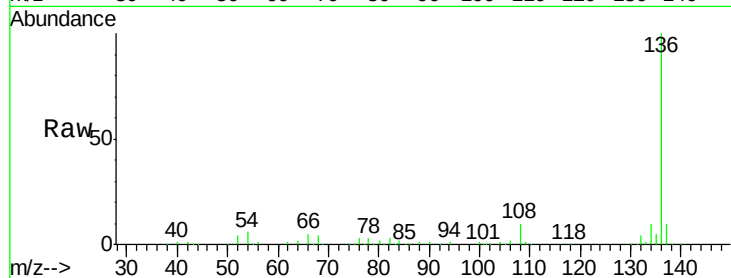




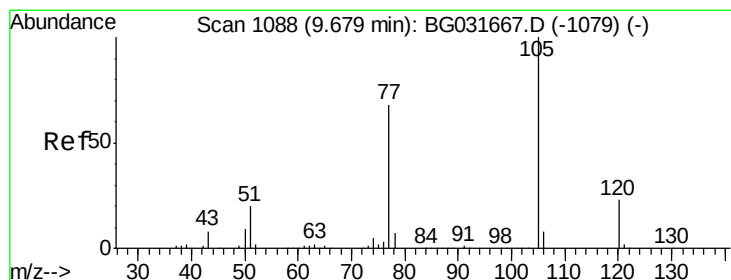
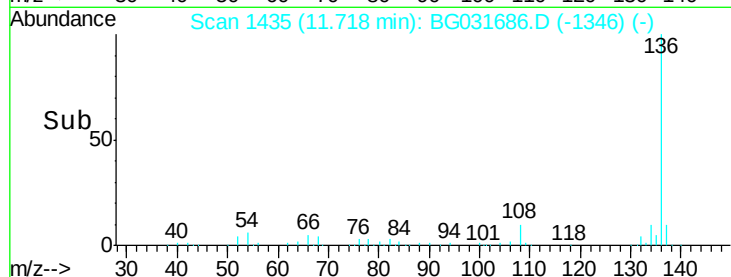
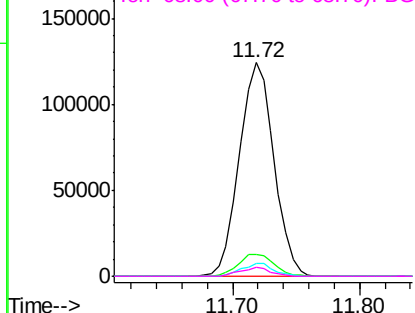
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.72 min Scan# 1435  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 234606     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.5  | 9.2 13.8   |
| 54          | 5.7   | 10.3 15.5# |
| 68          | 4.2   | 4.5 6.7#   |

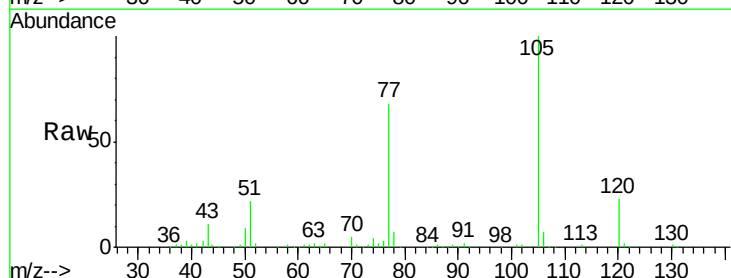


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

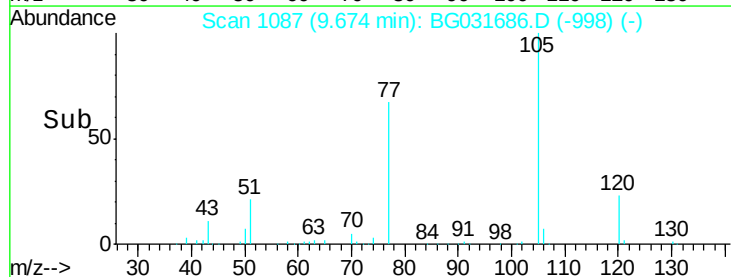
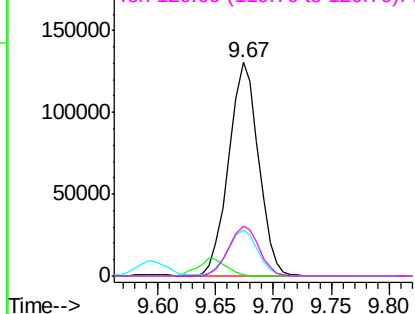


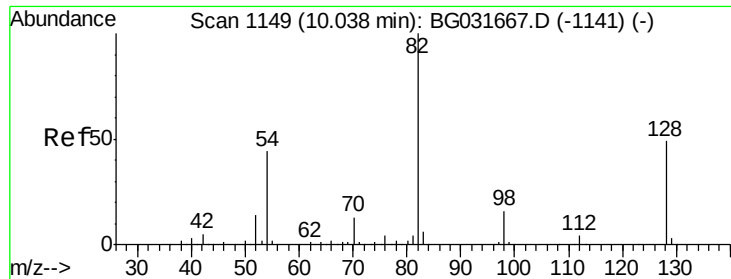
#22  
Acetophenone  
Concen: 43.076 ng  
RT: 9.67 min Scan# 1087  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 234790     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.9   | 3.0 4.4#   |
| 51          | 21.6  | 26.1 39.1# |
| 120         | 23.2  | 17.4 26.2  |



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

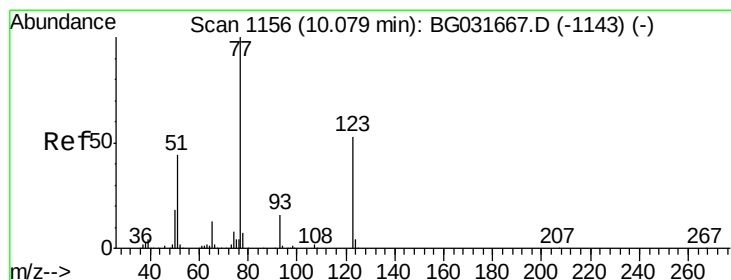
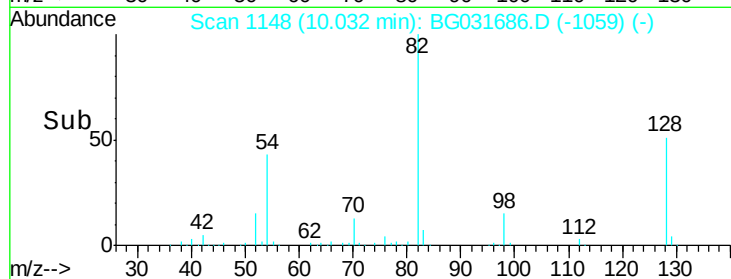
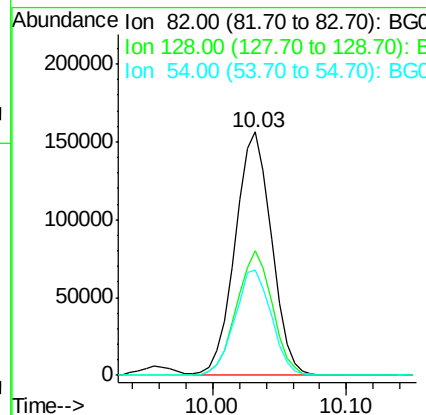
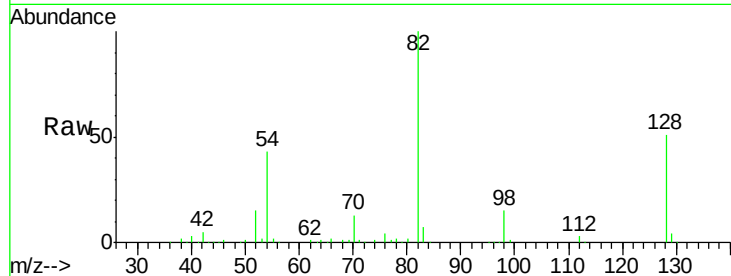




#23  
Nitrobenzene-d5  
Concen: 95.307 ng  
RT: 10.03 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

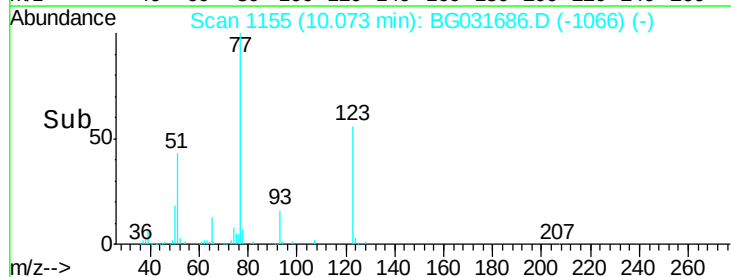
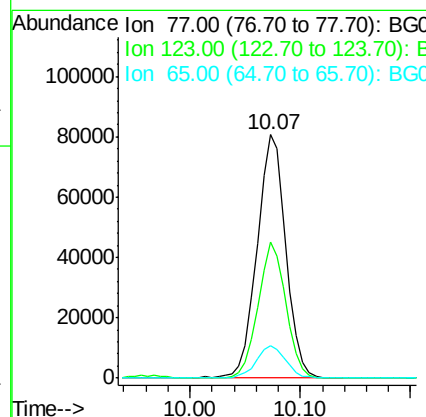
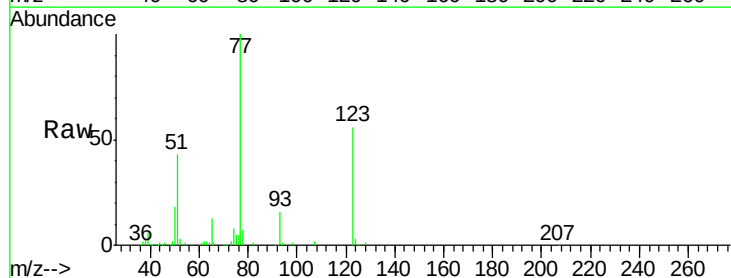
Instrument :  
BNA\_G  
ClientSampled :

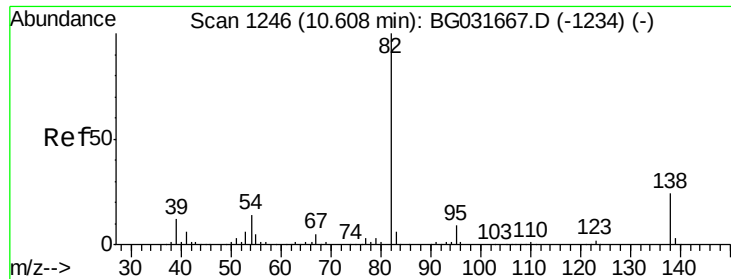
| Tot Ion   | 82    | Resp | 296107 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 29.7  |      |        |
| Upper     | 44.5# |      |        |
| 128       | 50.9  |      |        |
| 54        | 43.1  |      |        |
|           | 43.1  |      | 64.7   |



#24  
Nitrobenzene  
Concen: 46.045 ng  
RT: 10.07 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion   | 77    | Resp | 147438 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 33.0  |      |        |
| Upper     | 49.6# |      |        |
| 123       | 55.9  |      |        |
| 65        | 13.2  |      |        |
|           | 13.0  |      | 19.6   |

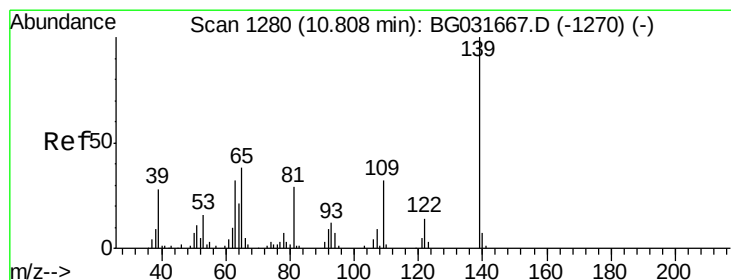
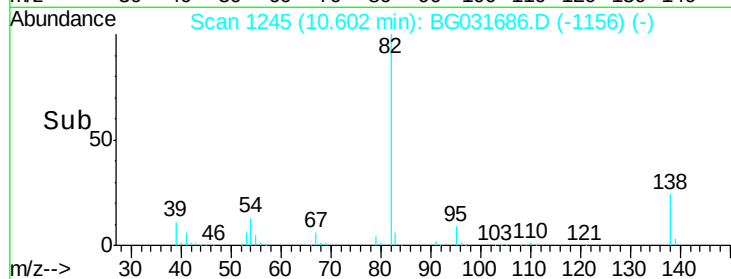
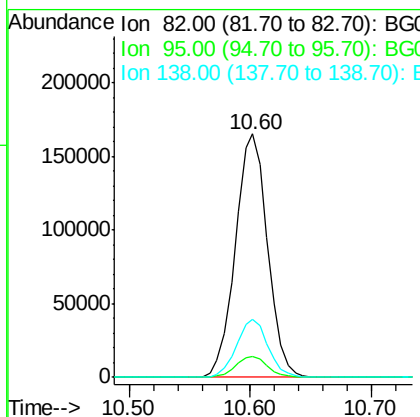
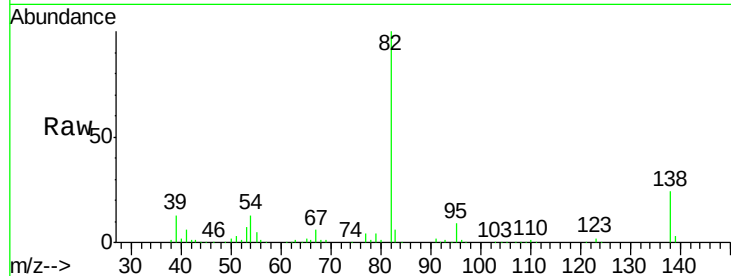




#25  
Isophorone  
Concen: 45.790 ng  
RT: 10.60 min Scan# 1245  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

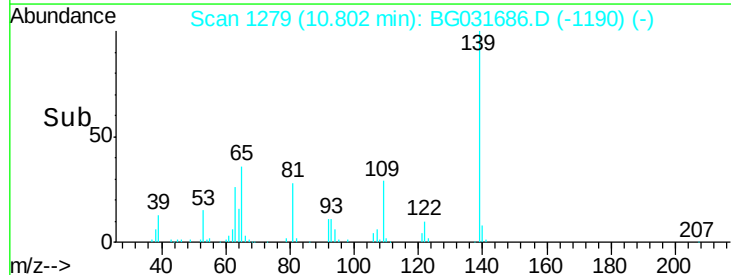
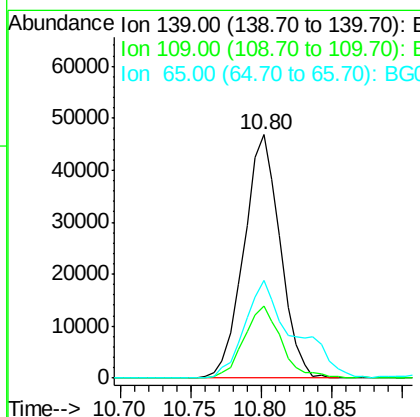
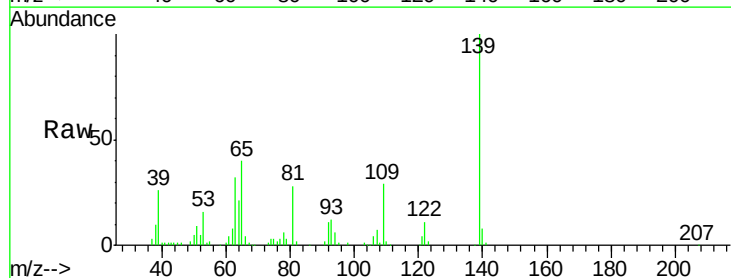
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | 82    | Resp  | 306255 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 95      | 8.5   | 6.2   | 9.2    |
| 138     | 23.7  | 12.1  | 18.1#  |

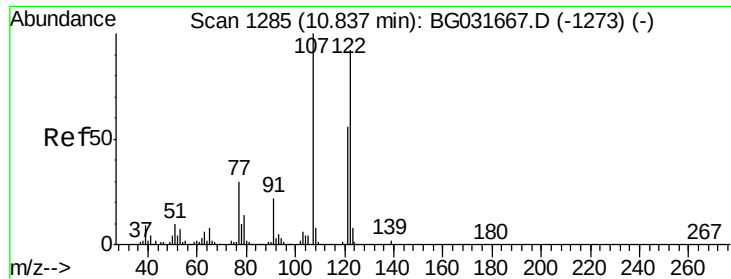


#26  
2-Nitrophenol  
Concen: 50.295 ng  
RT: 10.80 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | 139   | Resp  | 84440 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 139     | 100   |       |       |
| 109     | 29.4  | 24.2  | 36.2  |
| 65      | 40.3  | 47.4  | 71.0# |



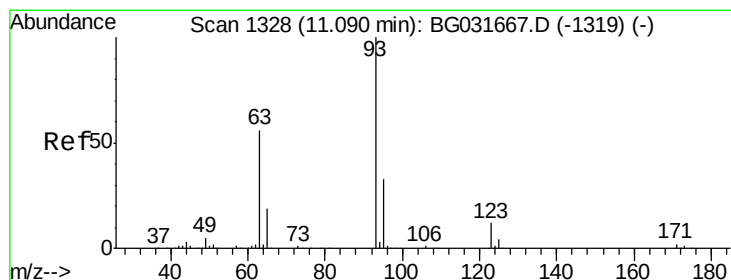
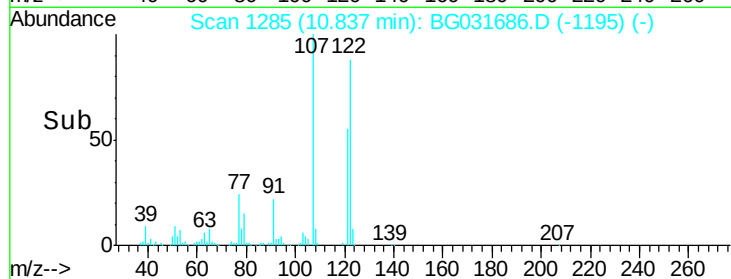
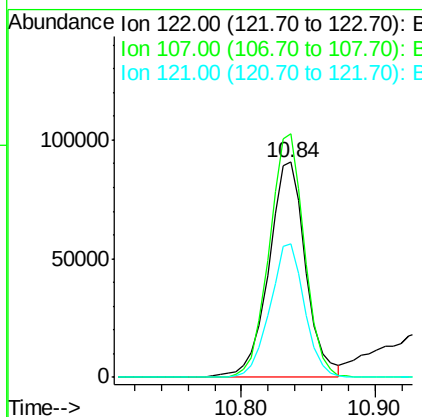
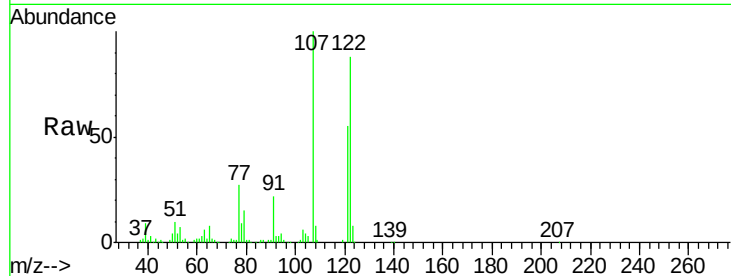




#27  
 2,4-Dimethylphenol  
 Concen: 49.614 ng  
 RT: 10.84 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

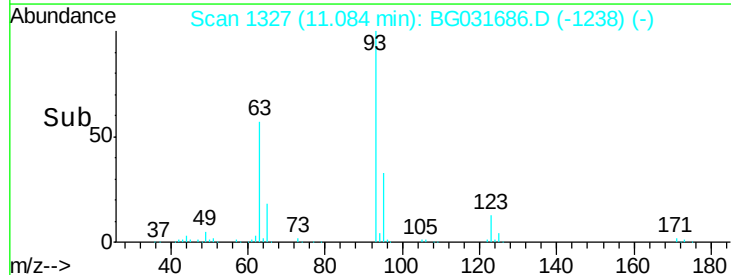
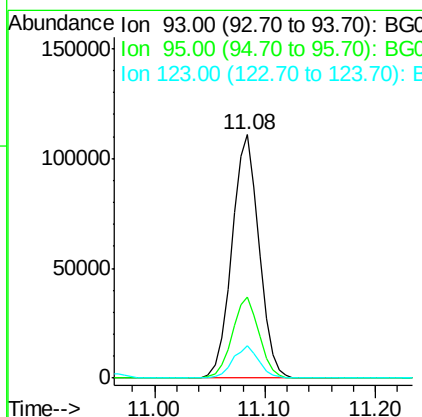
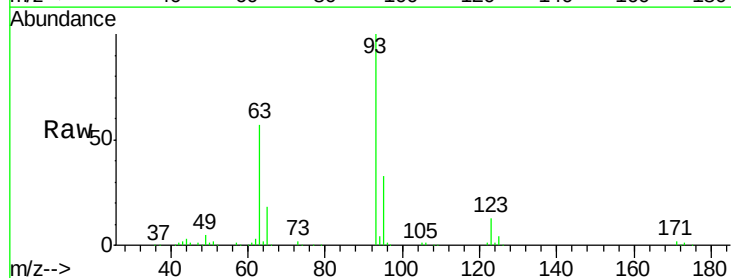
Instrument :  
 BNA\_G  
 ClientSampleId :

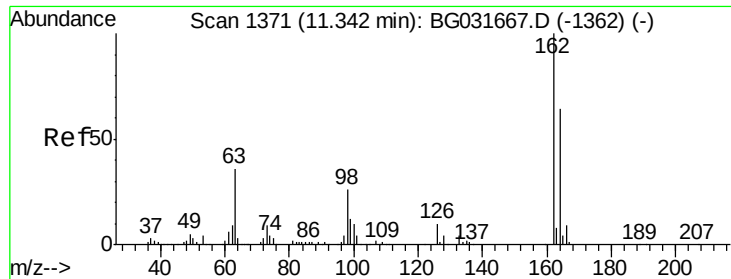
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.3 | 100.2 | 150.2 |
| 121     | 62.0  | 44.4  | 66.6  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 42.500 ng  
 RT: 11.08 min Scan# 1327  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.2  | 24.3  | 36.5  |
| 123     | 13.2  | 8.4   | 12.6  |

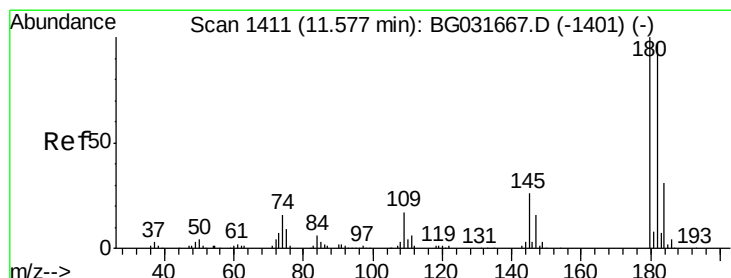
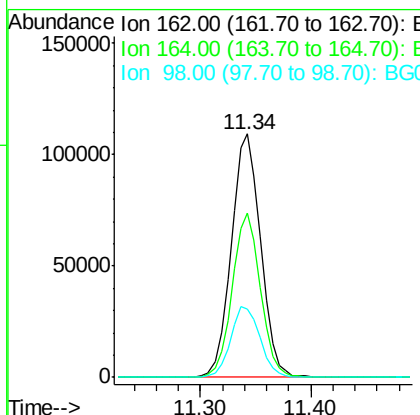
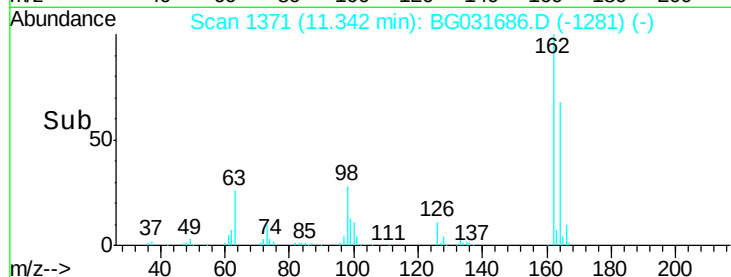
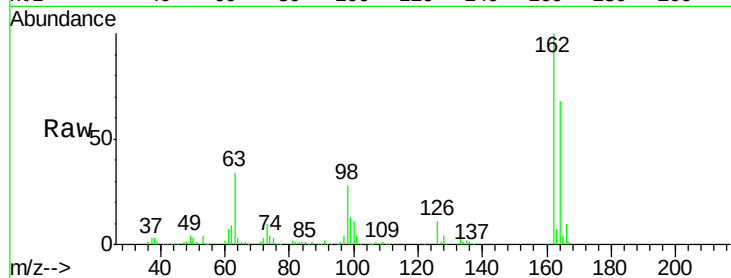




#29  
2,4-Dichlorophenol  
Concen: 48.888 ng  
RT: 11.34 min Scan# 1371  
Delta R.T. -0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

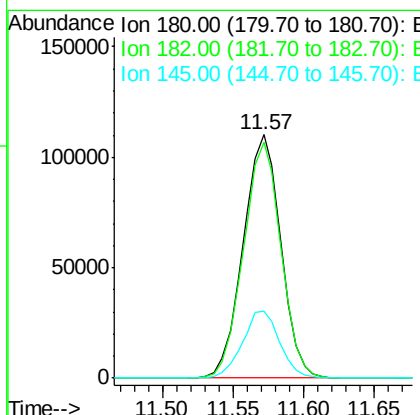
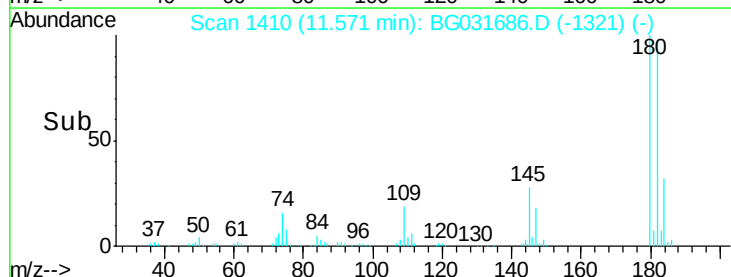
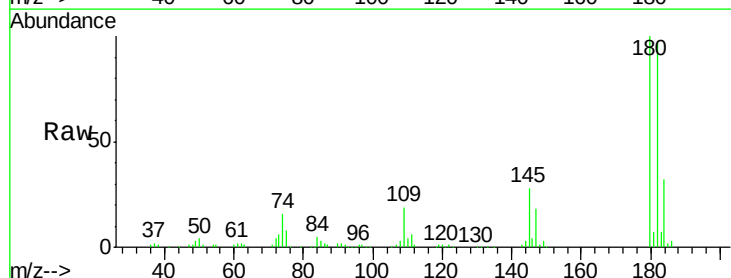
Instrument :  
BNA\_G  
ClientSampled :

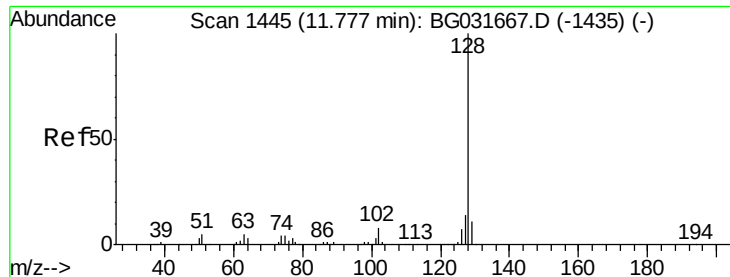
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 67.6  | 48.0  | 88.0  |
| 98      | 28.0  | 21.1  | 61.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 40.640 ng  
RT: 11.57 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 77.5  | 116.3 |
| 145     | 27.7  | 23.4  | 35.2  |

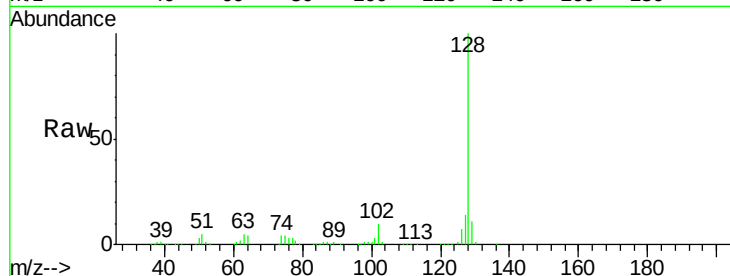




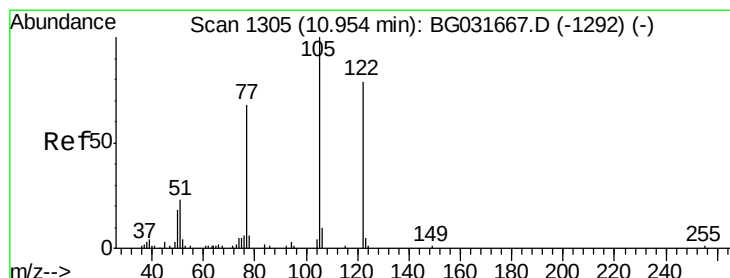
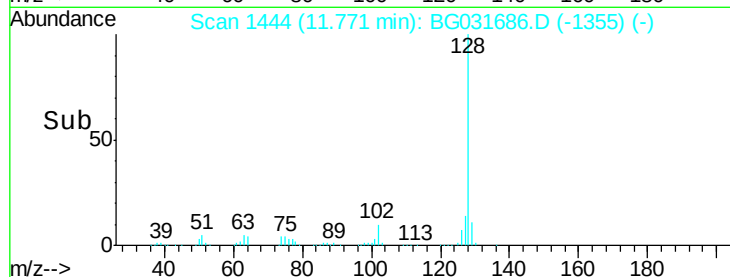
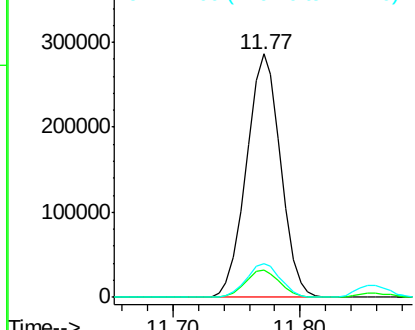
#31  
Naphthalene  
Concen: 45.125 ng  
RT: 11.77 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 8.6   | 12.8  |
| 127     | 14.0  | 11.6  | 17.4  |

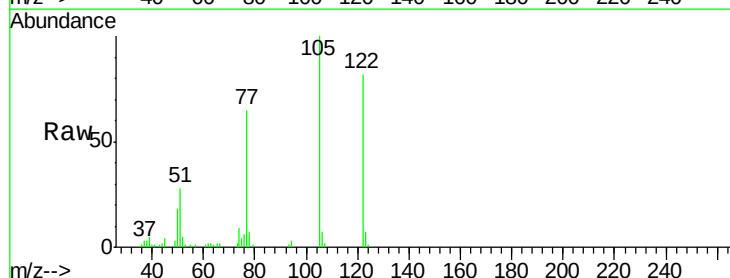


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

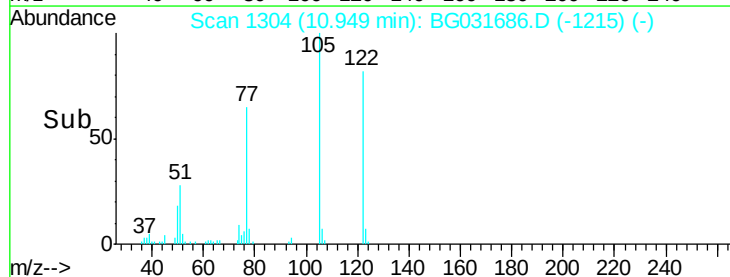
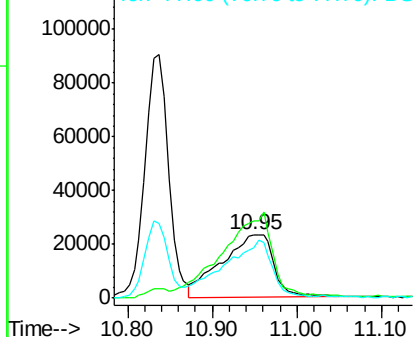


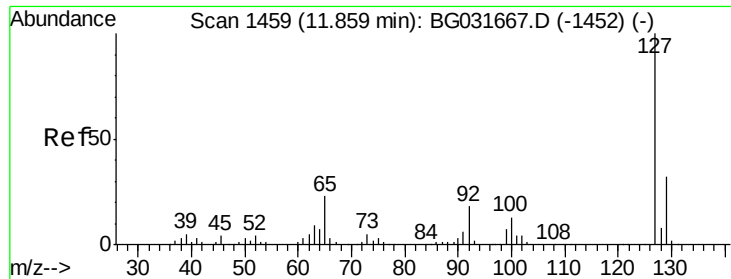
#32  
Benzoic acid  
Concen: 42.441 ng  
RT: 10.95 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 121.7 | 123.5 | 163.5# |
| 77      | 79.4  | 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

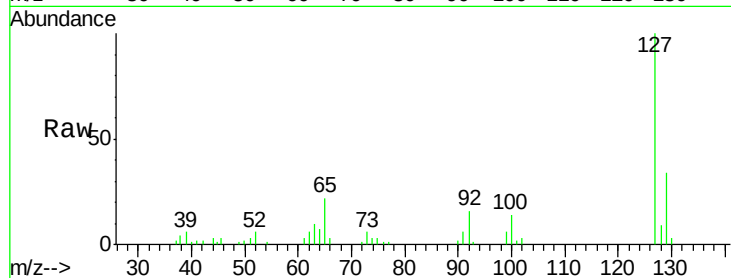




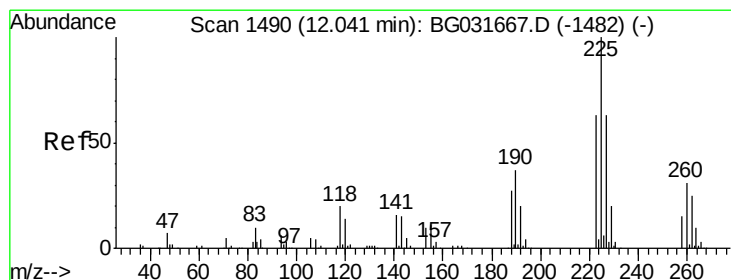
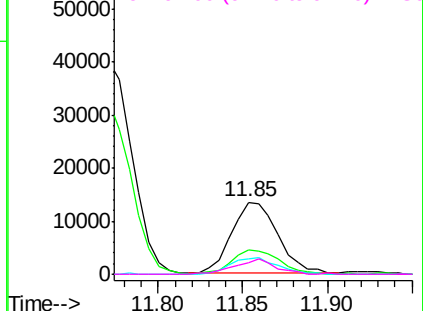
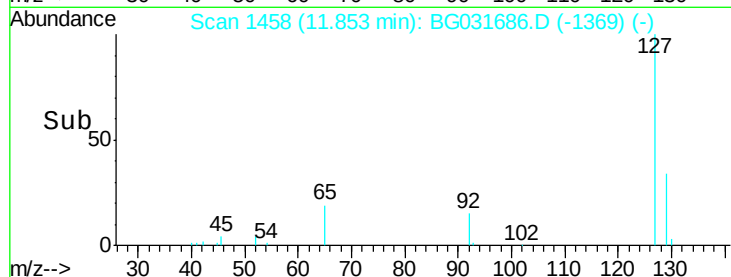
#33  
4-Chloroaniline  
Concen: 4.838 ng  
RT: 11.85 min Scan# 1458  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 25503 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.9  | 24.0  | 36.0  |
| 65       | 21.5  | 27.0  | 40.4# |
| 92       | 15.6  | 16.6  | 25.0# |

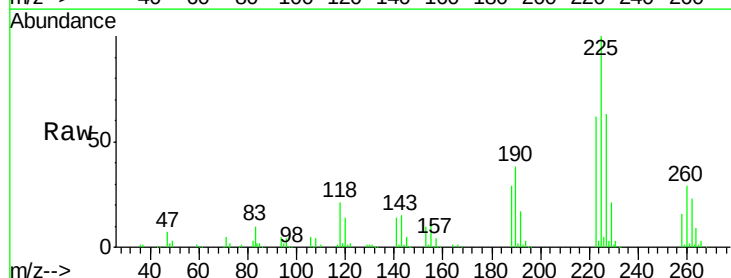


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

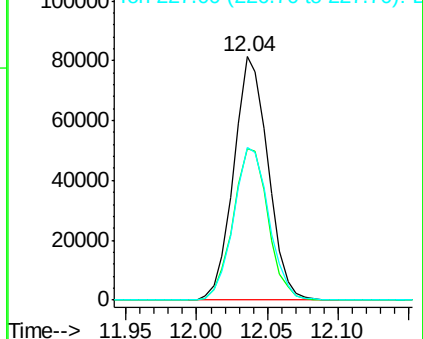
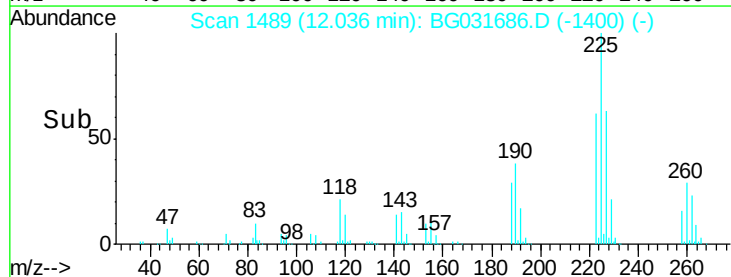


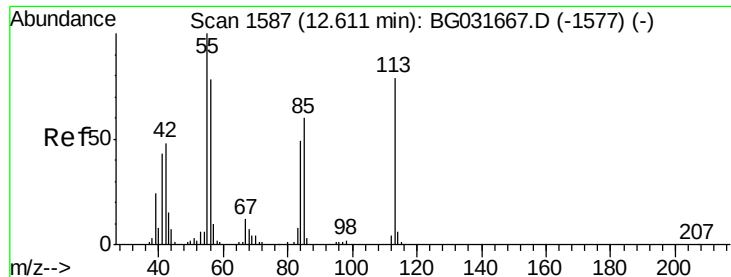
#34  
Hexachlorobutadiene  
Concen: 39.692 ng  
RT: 12.04 min Scan# 1489  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 137990 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.1  | 49.7  | 74.5   |
| 227      | 62.9  | 48.1  | 72.1   |



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





#35

Caprolactam

Concen: 41.422 ng

RT: 12.61 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

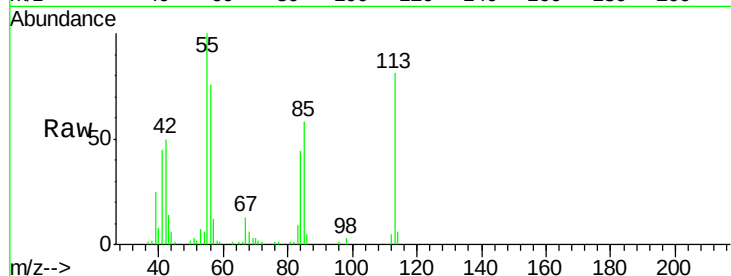
Tot Ion:113 Resp: 52074

Ion Ratio Lower Upper

113 100

55 122.7 186.9 226.9#

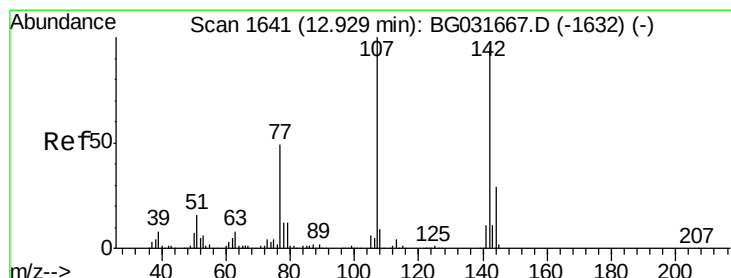
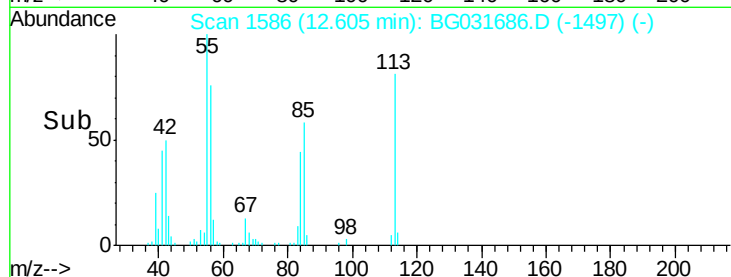
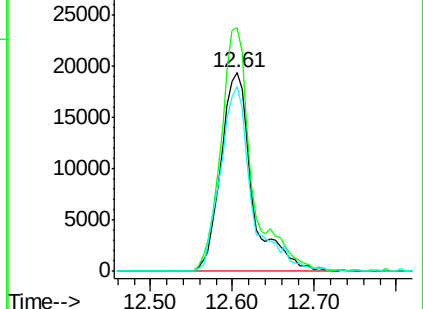
56 93.4 130.9 170.9#



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: 48.968 ng

RT: 12.93 min Scan# 1641

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

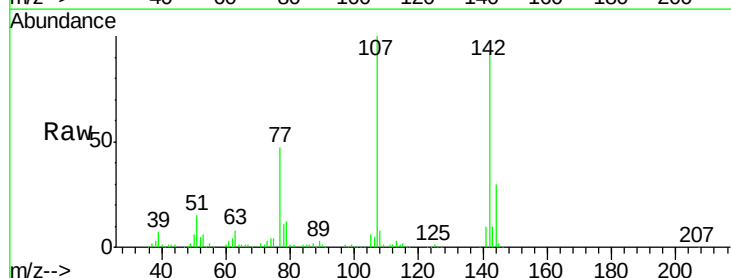
Tgt Ion:107 Resp: 187566

Ion Ratio Lower Upper

107 100

144 29.7 18.2 27.4#

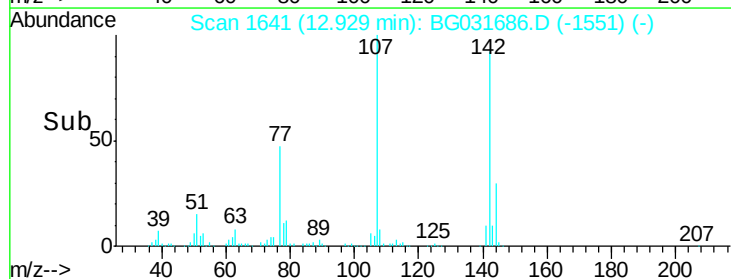
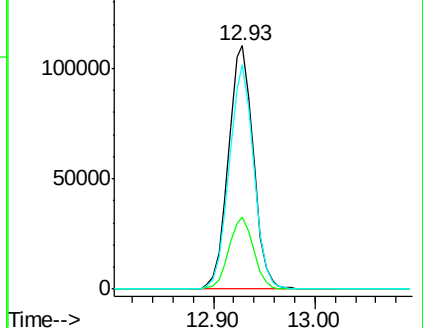
142 92.1 59.0 88.4#

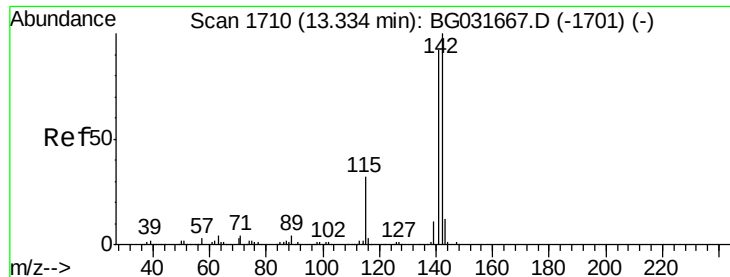


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

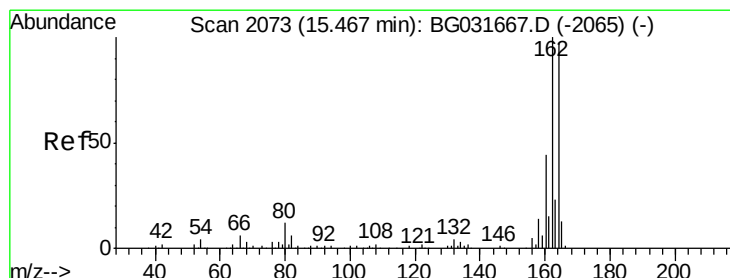
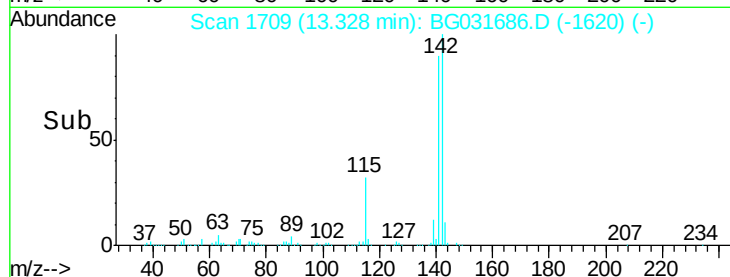
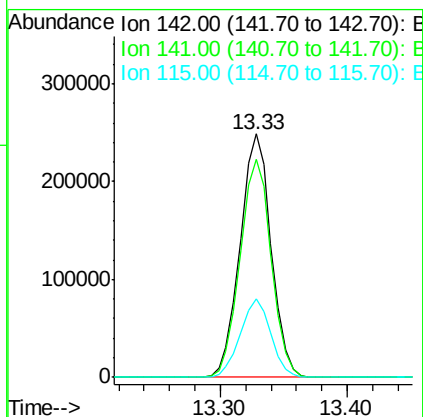
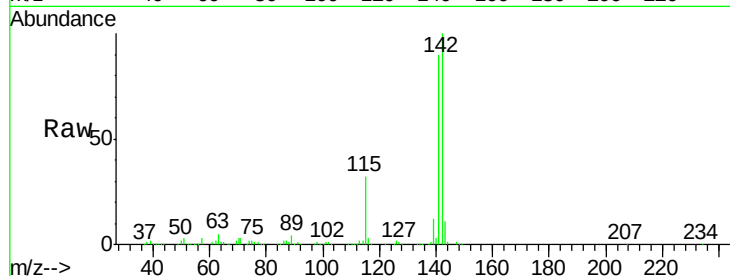




#37  
2-Methylnaphthalene  
Concen: 43.848 ng  
RT: 13.33 min Scan# 1709  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

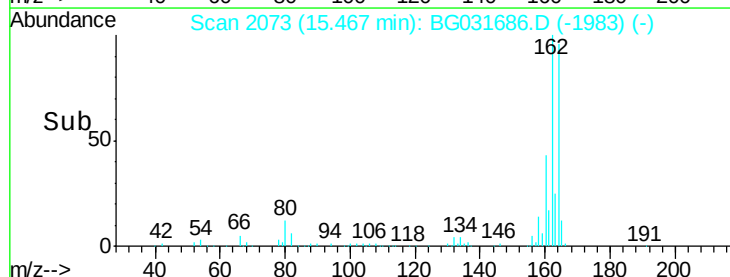
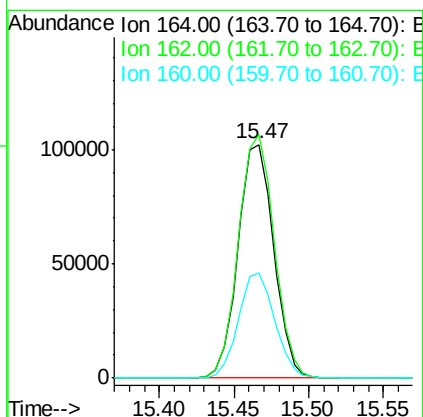
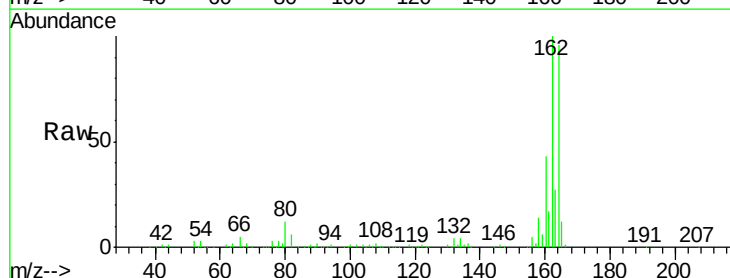
Instrument :  
BNA\_G  
ClientSampleId :

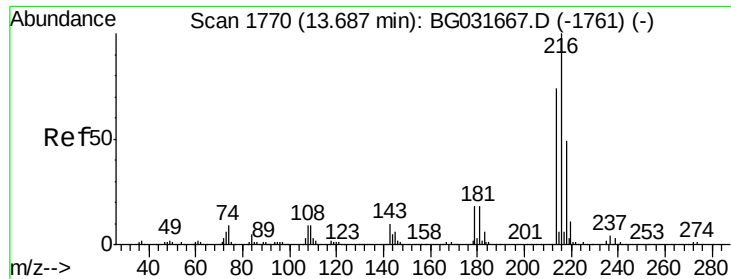
Tot Ion:142 Resp: 420868  
Ion Ratio Lower Upper  
142 100  
141 89.8 67.1 100.7  
115 32.2 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:164 Resp: 169673  
Ion Ratio Lower Upper  
164 100  
162 104.0 78.8 118.2  
160 45.1 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.481 ng

RT: 13.68 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 289306

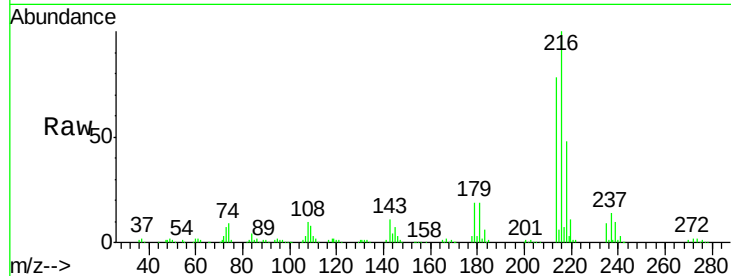
Ion Ratio Lower Upper

216 100

214 77.3 63.0 94.4

179 18.8 17.0 25.6

108 12.1 12.8 19.2#

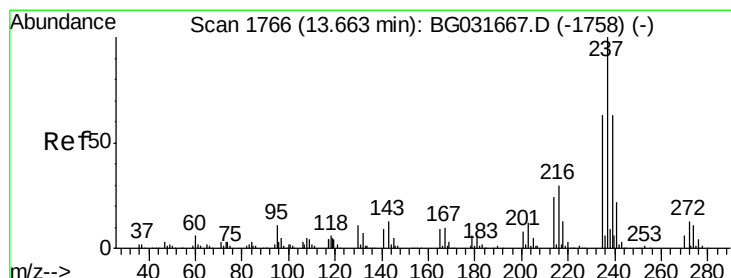
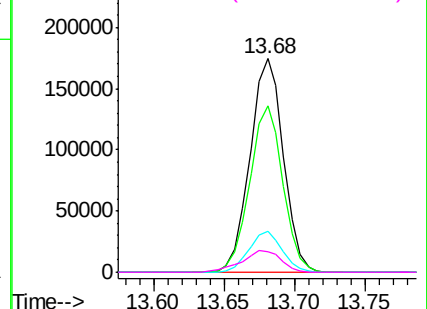
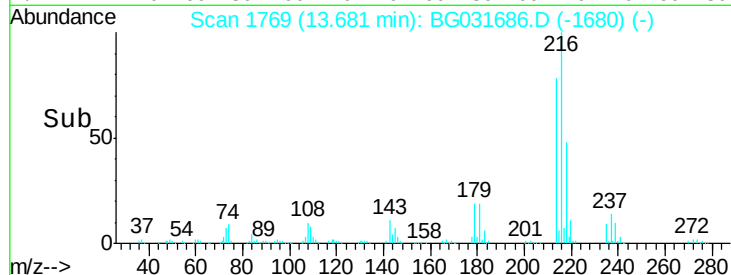


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 90.658 ng

RT: 13.66 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

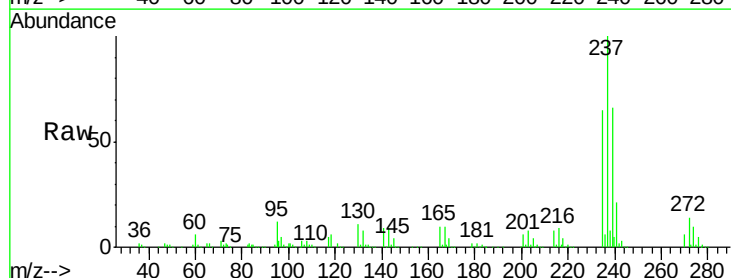
Tgt Ion:237 Resp: 341797

Ion Ratio Lower Upper

237 100

235 64.8 50.4 90.4

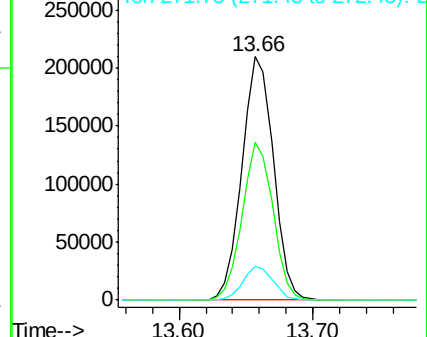
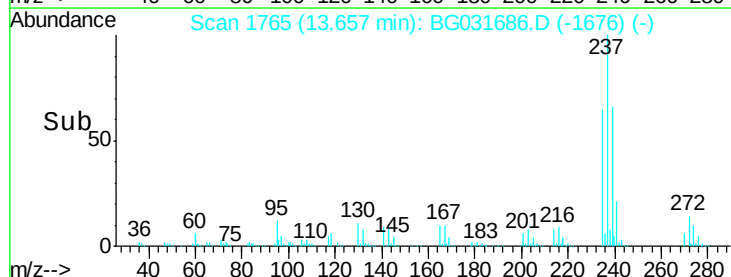
272 13.6 0.0 31.8

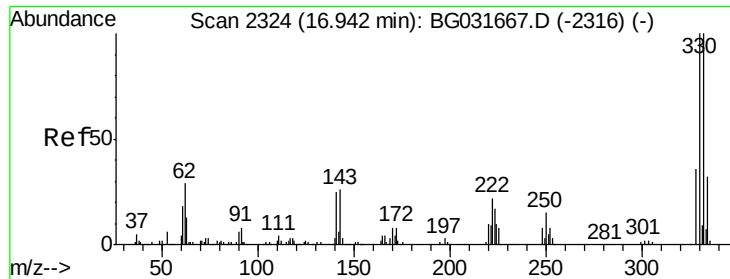


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

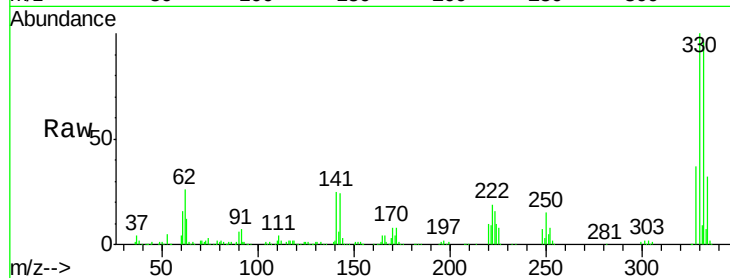




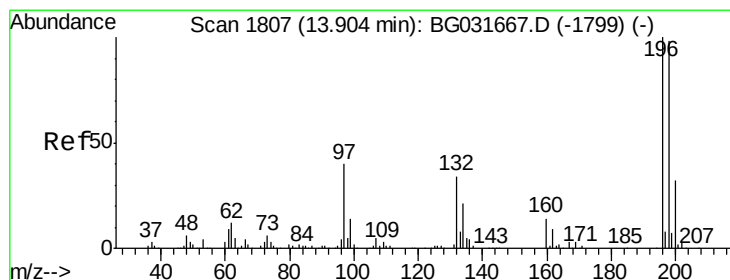
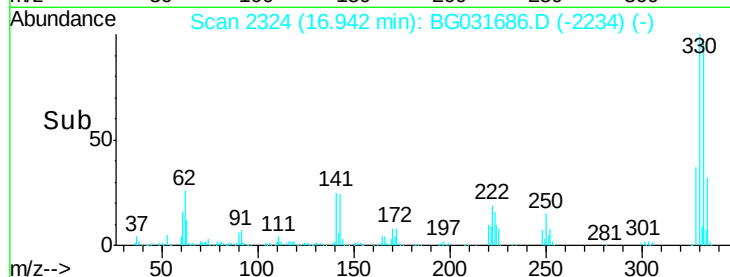
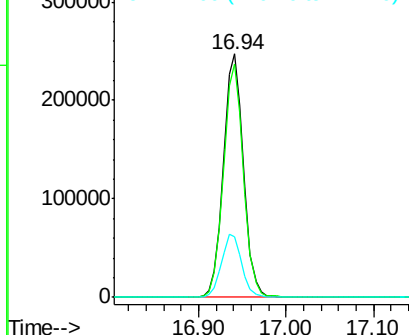
#41  
 2,4,6-Tribromophenol  
 Concen: 151.188 ng  
 RT: 16.94 min Scan# 2324  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 391422  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.0 115.6  
 141 26.0 25.2 37.8

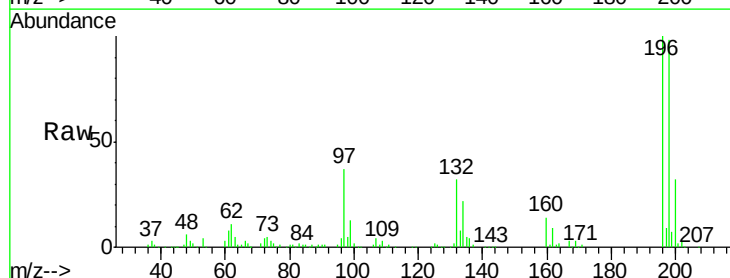


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

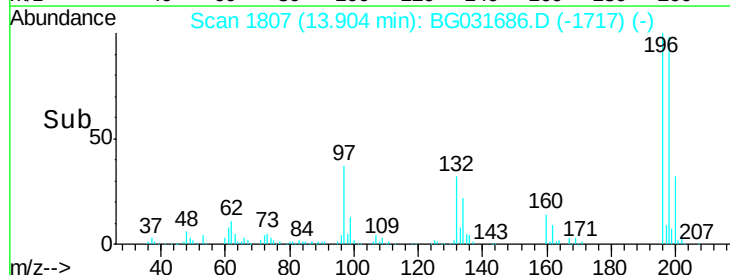
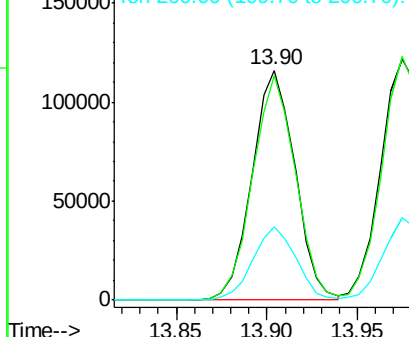


#42  
 2,4,6-Trichlorophenol  
 Concen: 46.331 ng  
 RT: 13.90 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

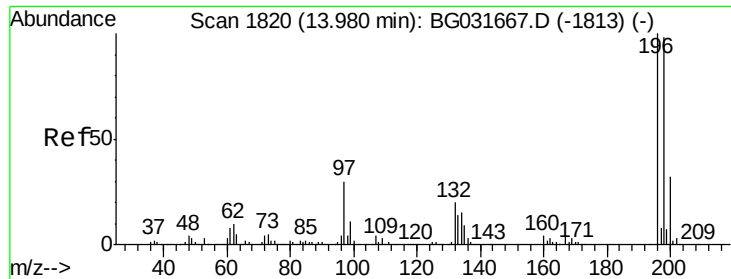
Tgt Ion:196 Resp: 190908  
 Ion Ratio Lower Upper  
 196 100  
 198 97.6 78.2 117.2  
 200 31.6 24.6 36.8



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



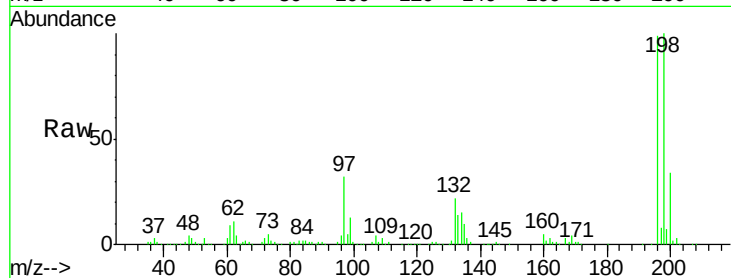




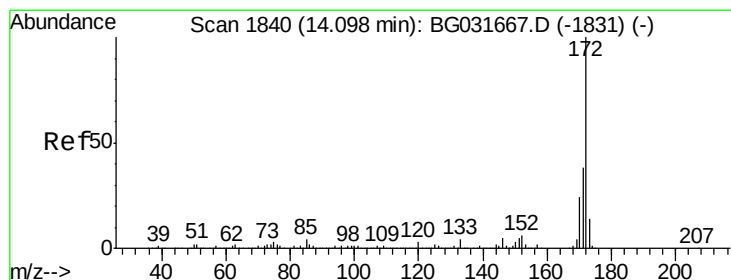
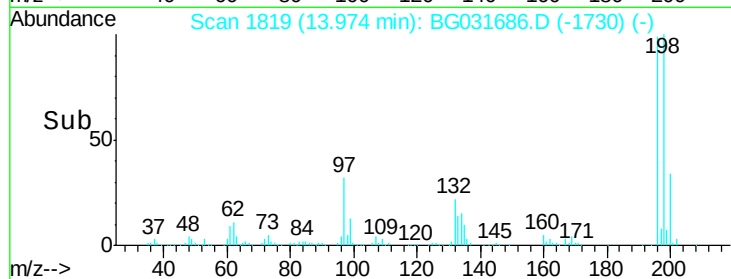
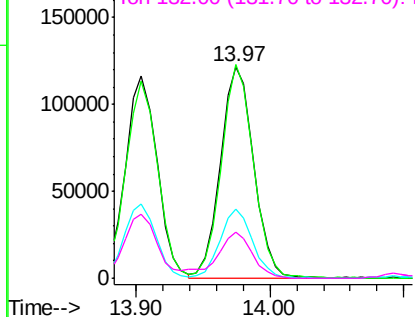
#43  
2,4,5-Trichlorophenol  
Concen: 46.277 ng  
RT: 13.97 min Scan# 1819  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 101.1 | 76.2  | 114.4 |
| 97      | 32.6  | 38.7  | 58.1  |
| 132     | 22.0  | 20.2  | 30.2  |



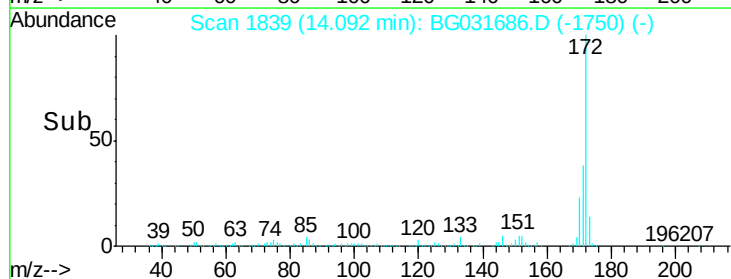
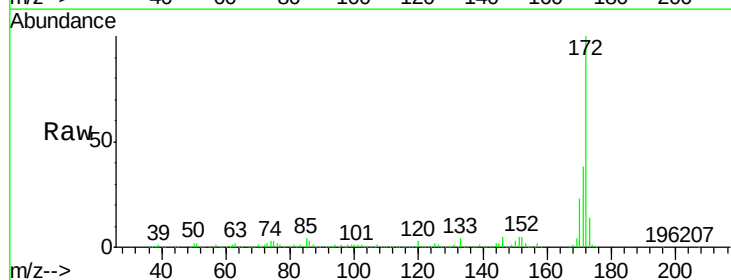
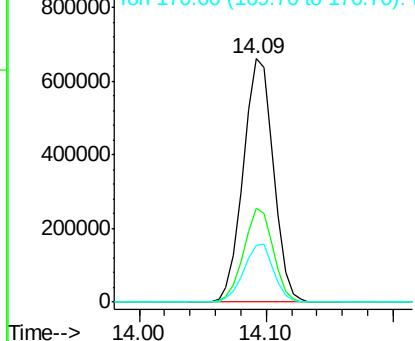
Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BGC  
Ion 132.00 (131.70 to 132.70): E

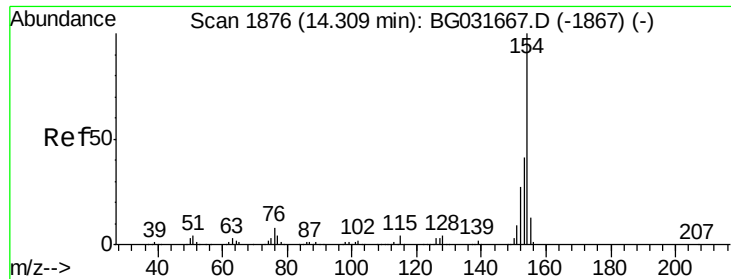


#44  
2-Fluorobiphenyl  
Concen: 80.745 ng  
RT: 14.09 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.3  | 30.0  | 45.0  |
| 170     | 23.3  | 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: 42.319 ng

RT: 14.30 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampled :

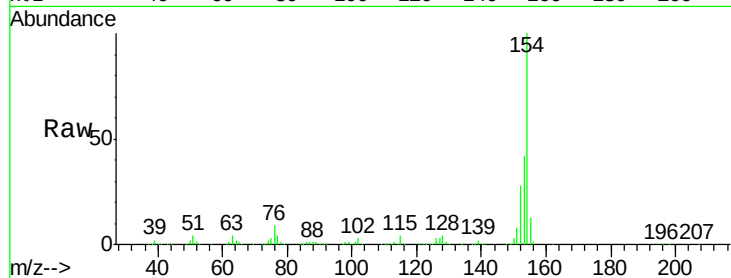
Tot Ion:154 Resp: 613271

Ion Ratio Lower Upper

154 100

153 41.7 19.8 59.8

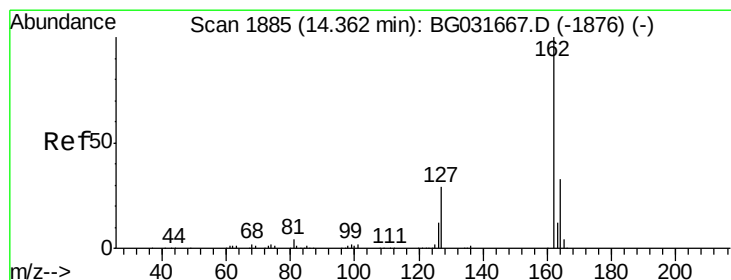
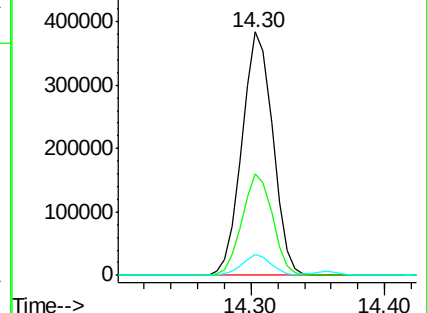
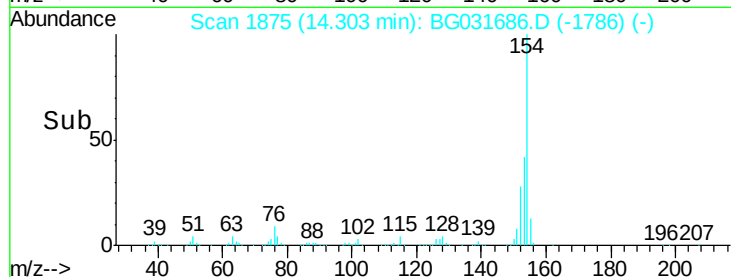
76 8.7 0.0 31.9



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): B



#46

2-Chloronaphthalene

Concen: 41.561 ng

RT: 14.36 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

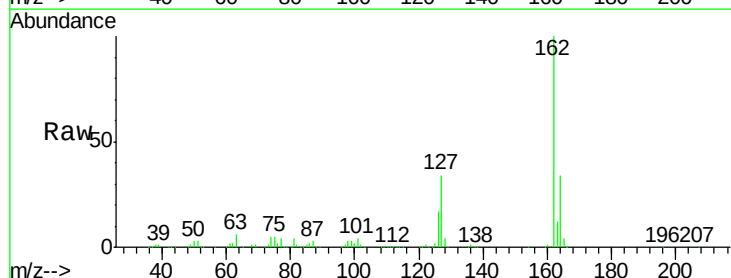
Tgt Ion:162 Resp: 459402

Ion Ratio Lower Upper

162 100

127 34.4 30.7 46.1

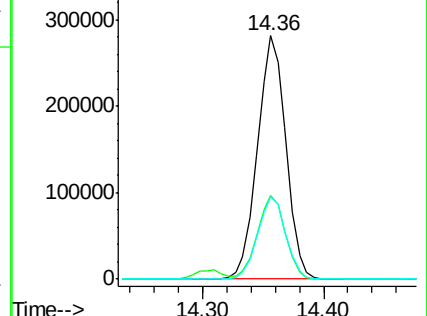
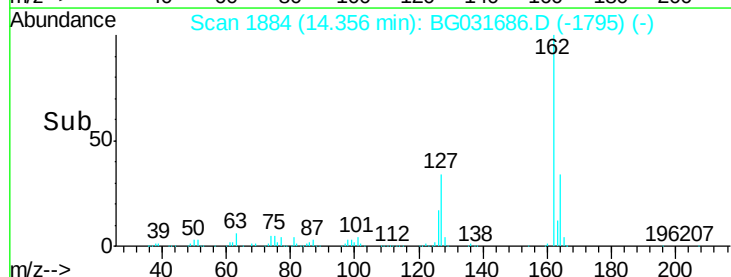
164 33.8 26.0 39.0

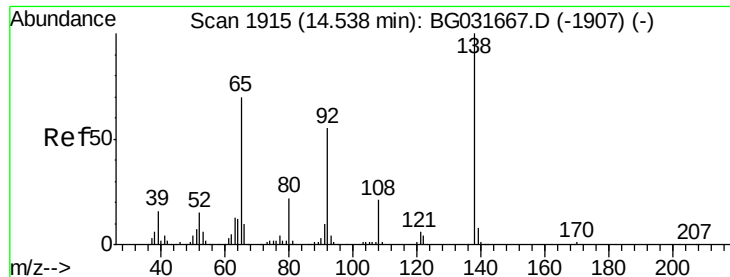


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

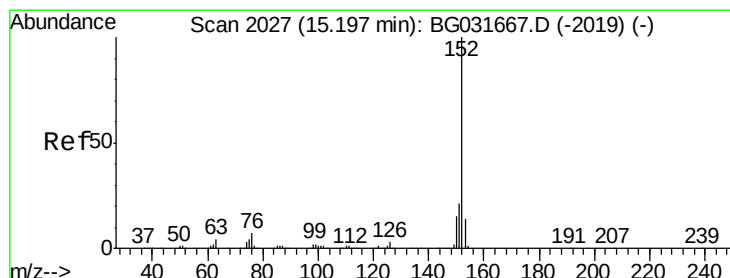
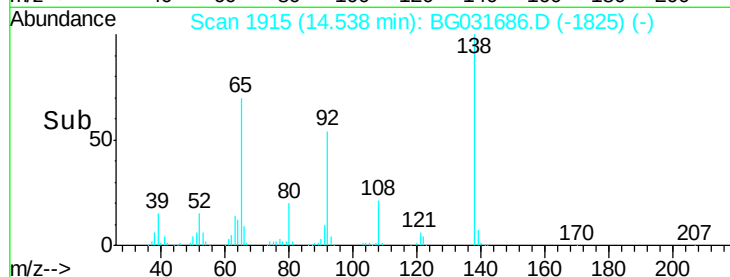
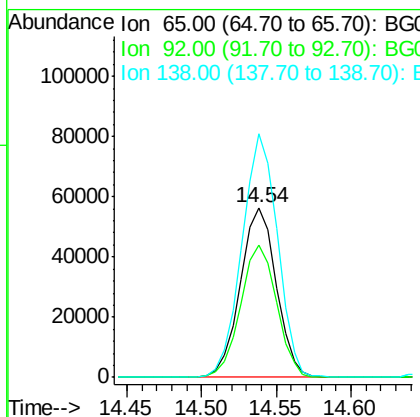
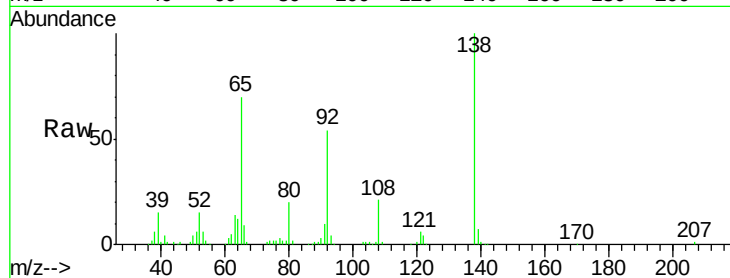




#47  
2-Nitroaniline  
Concen: 49.423 ng  
RT: 14.54 min Scan# 1915  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

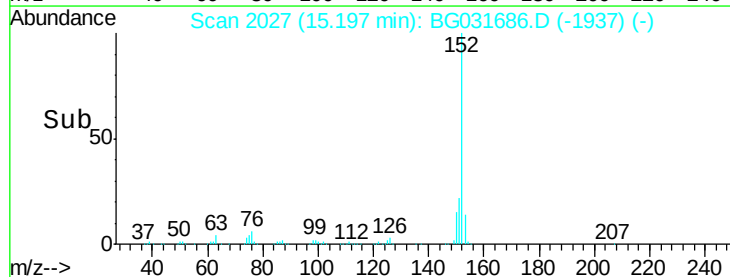
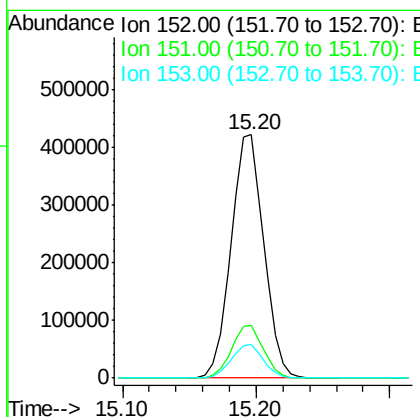
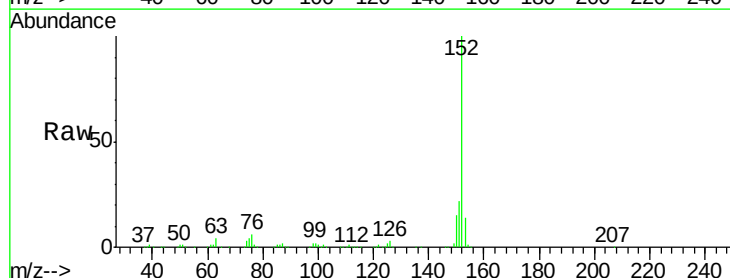
Instrument :  
BNA\_G  
ClientSampleId :

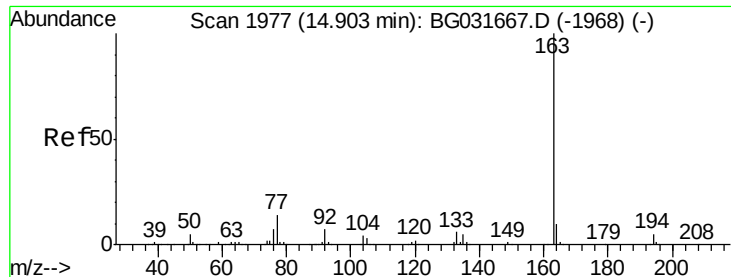
Tot Ion: 65 Resp: 94352  
Ion Ratio Lower Upper  
65 100  
92 78.0 54.6 82.0  
138 143.3 72.9 109.3#



#48  
Acenaphthylene  
Concen: 40.739 ng  
RT: 15.20 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion: 152 Resp: 720429  
Ion Ratio Lower Upper  
152 100  
151 21.7 17.2 25.8  
153 13.7 10.2 15.4

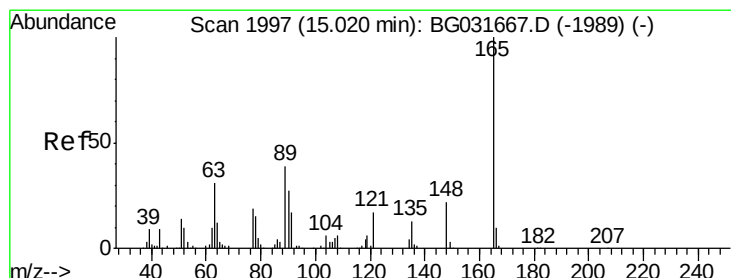
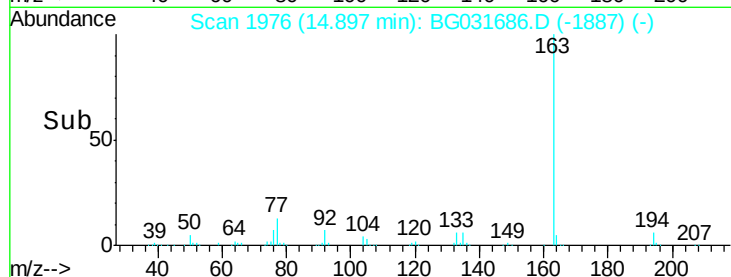
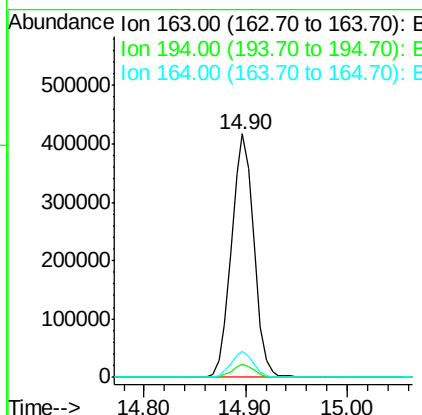
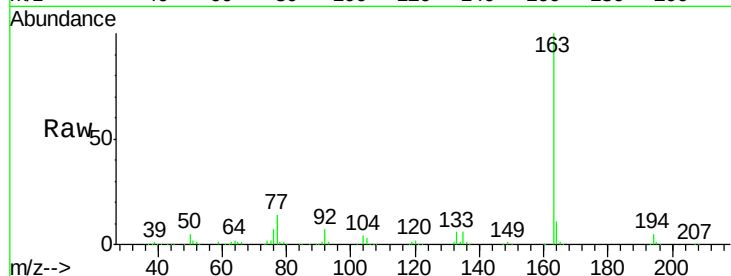




#49  
Dimethylphthalate  
Concen: 42.647 ng  
RT: 14.90 min Scan# 1976  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

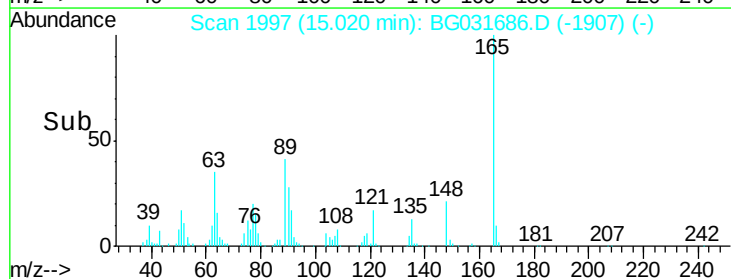
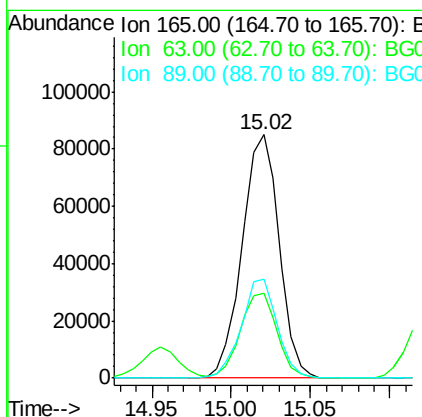
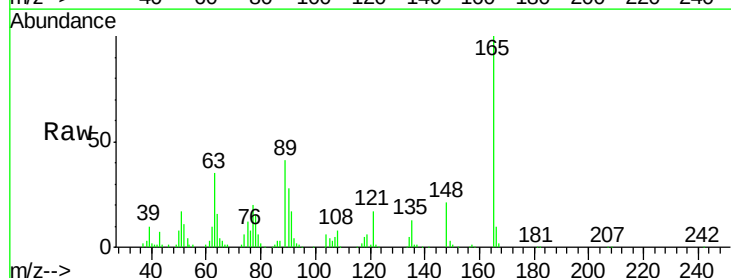
Instrument :  
BNA\_G  
ClientSampleId :

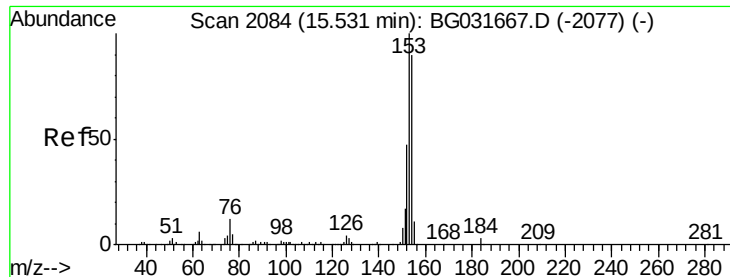
Tot Ion:163 Resp: 637474  
Ion Ratio Lower Upper  
163 100  
194 5.5 3.4 5.2#  
164 10.9 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 50.109 ng  
RT: 15.02 min Scan# 1997  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:165 Resp: 137788  
Ion Ratio Lower Upper  
165 100  
63 34.9 52.7 79.1#  
89 40.9 49.2 73.8#





#51

Acenaphthene

Concen: 46.195 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

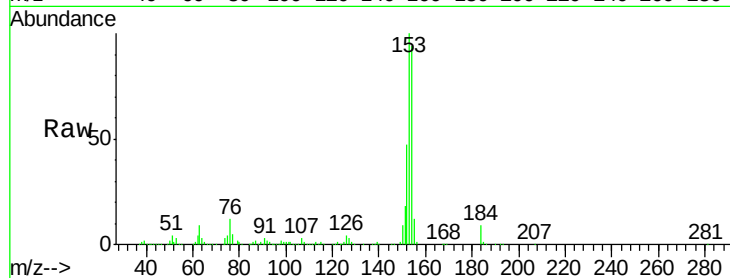
Tot Ion:154 Resp: 535007

Ion Ratio Lower Upper

154 100

153 105.8 90.4 135.6

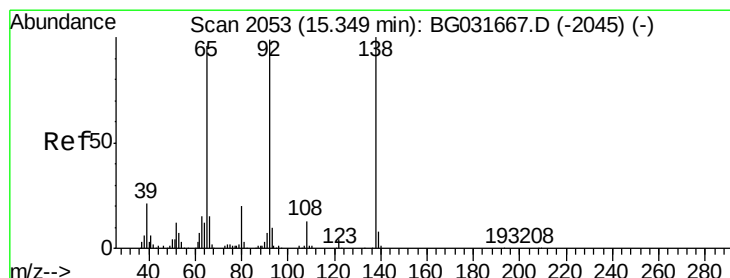
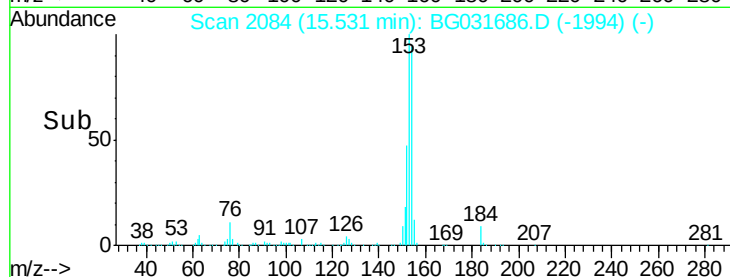
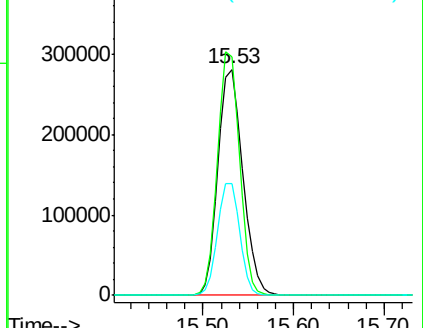
152 49.5 41.6 62.4



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: 12.672 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

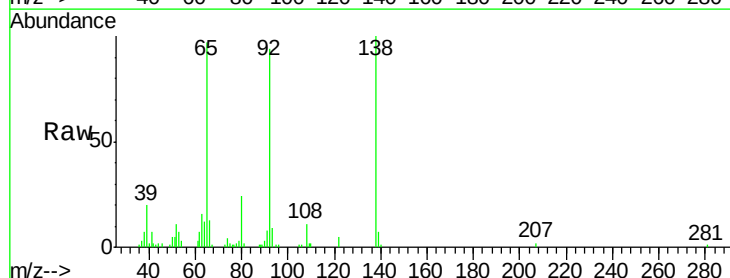
Tgt Ion:138 Resp: 33995

Ion Ratio Lower Upper

138 100

108 11.4 17.5 26.3#

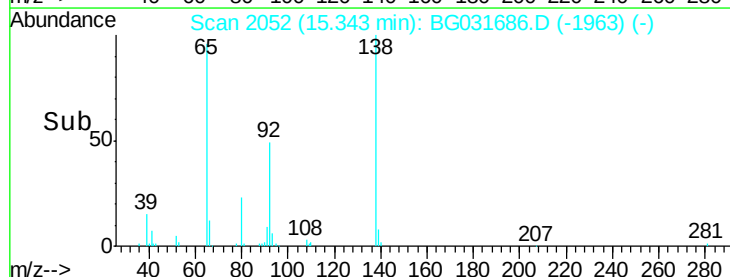
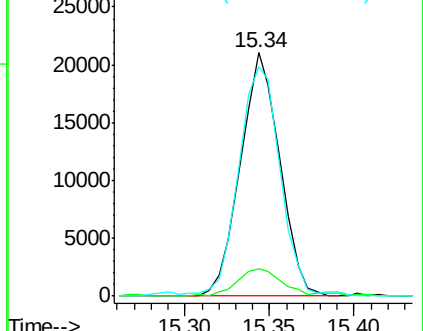
92 94.2 105.8 158.8#

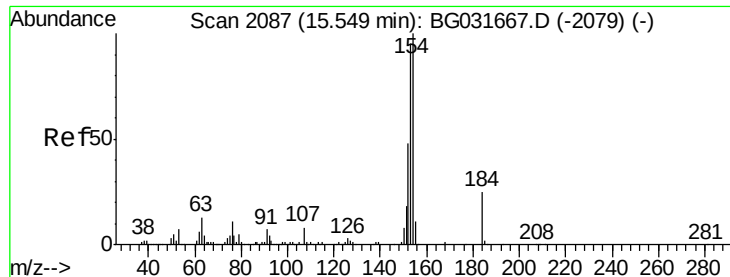


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

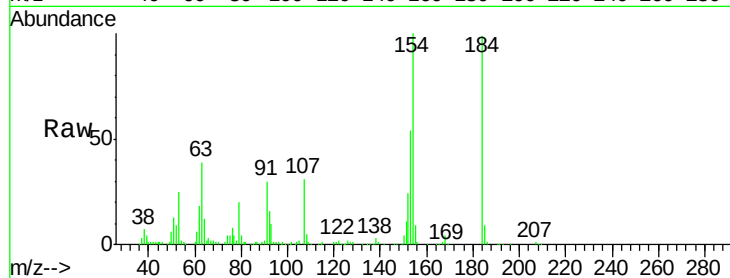




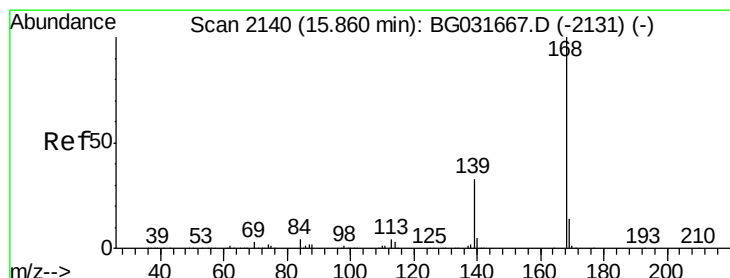
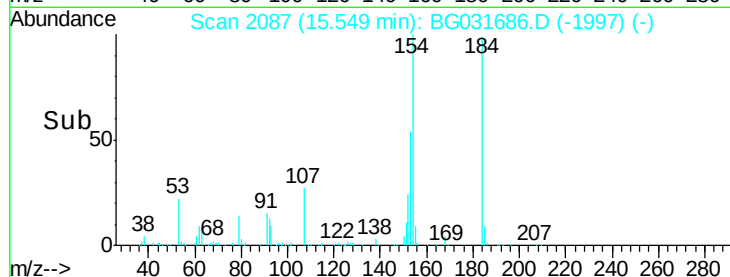
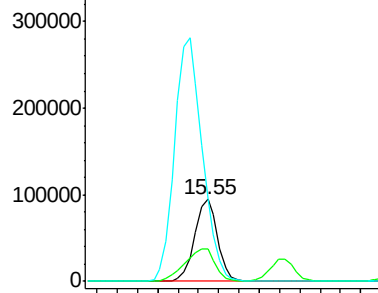
#53  
2,4-Dinitrophenol  
Concen: 122.789 ng  
RT: 15.55 min Scan# 2087  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 148710  
Ion Ratio Lower Upper  
184 100  
63 39.5 59.8 89.8#  
154 100.8 101.8 152.8#

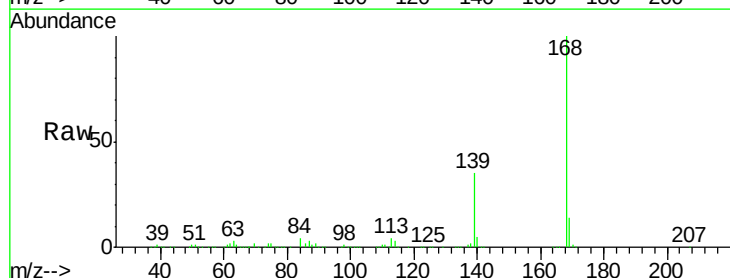


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

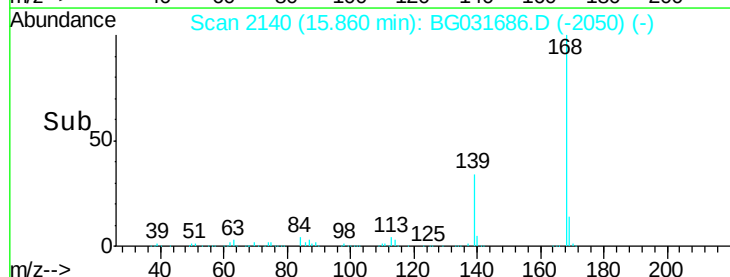
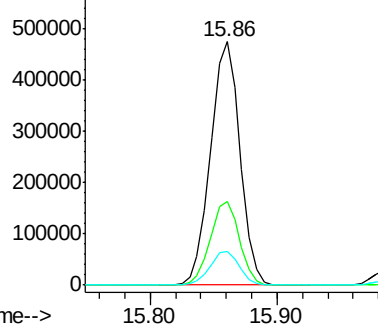


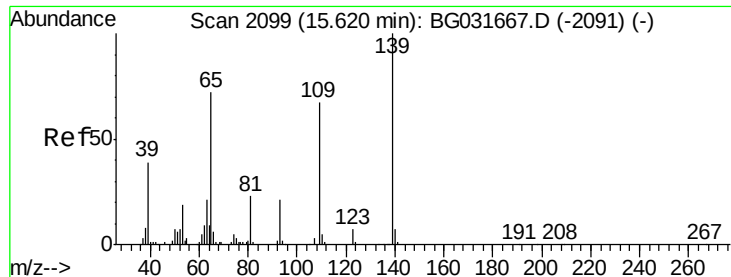
#54  
Dibenzofuran  
Concen: 42.958 ng  
RT: 15.86 min Scan# 2140  
Delta R.T. -0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:168 Resp: 762646  
Ion Ratio Lower Upper  
168 100  
139 34.5 28.6 43.0  
169 14.1 11.2 16.8



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

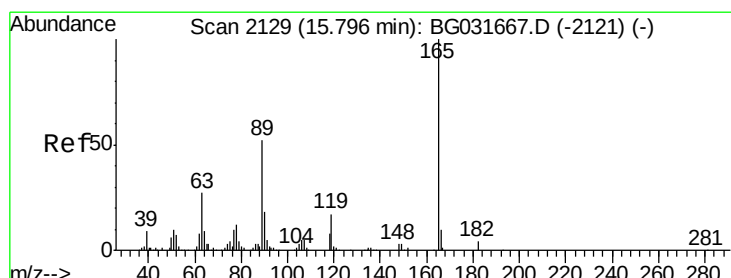
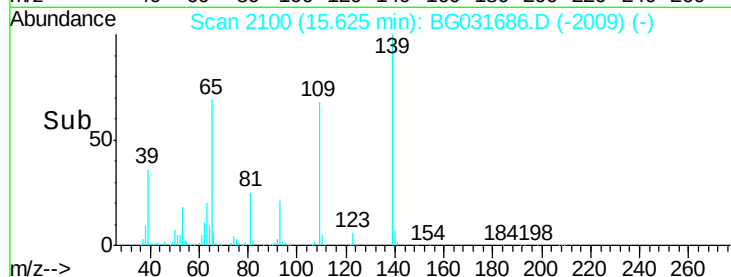
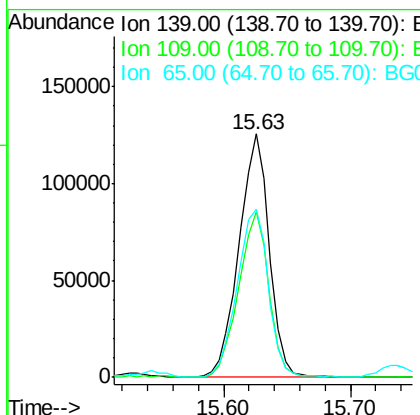
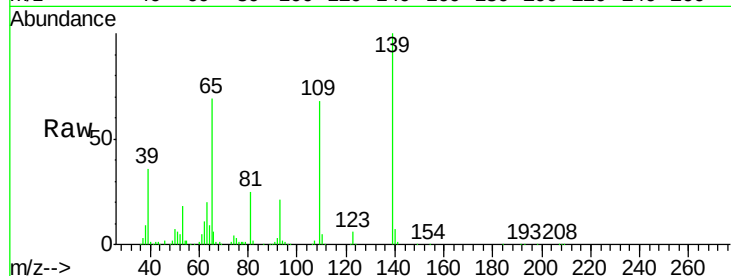




#55  
4-Nitrophenol  
Concen: 95.123 ng  
RT: 15.63 min Scan# 2100  
Delta R.T. 0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

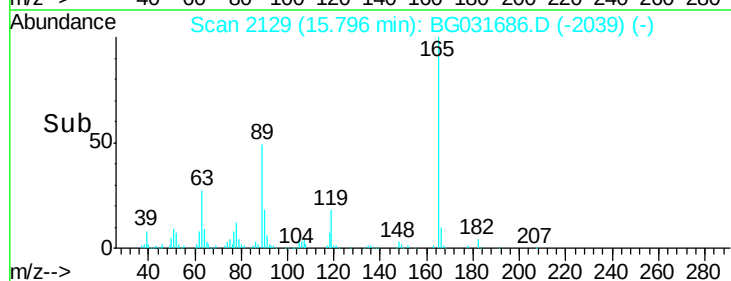
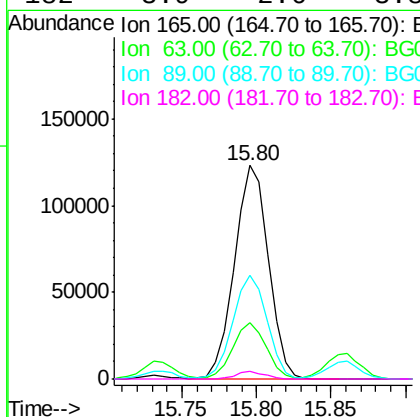
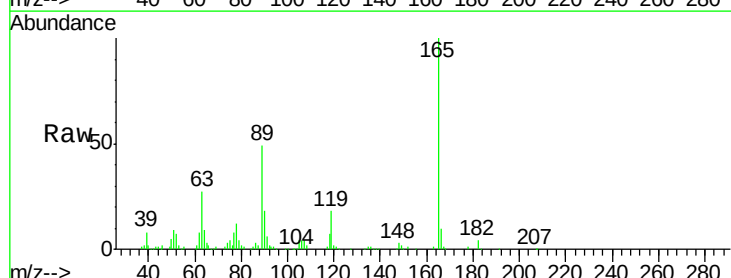
Instrument :  
BNA\_G  
ClientSampleId :

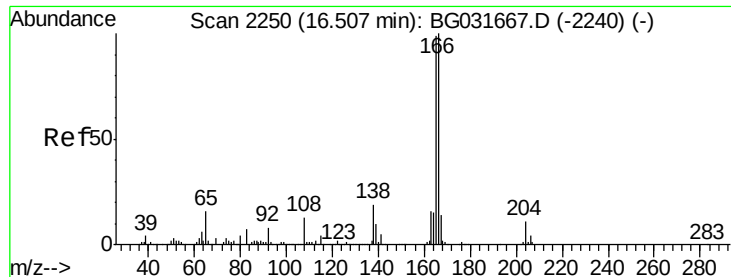
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 67.8  | 62.2  | 102.2  |
| 65      | 69.1  | 97.2  | 137.2# |



#56  
2,4-Dinitrotoluene  
Concen: 55.139 ng  
RT: 15.80 min Scan# 2129  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 26.6  | 42.0  | 63.0#  |
| 89      | 48.8  | 66.9  | 100.3# |
| 182     | 3.9   | 2.6   | 3.8#   |

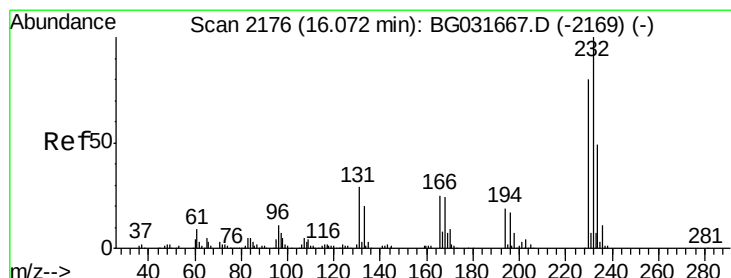
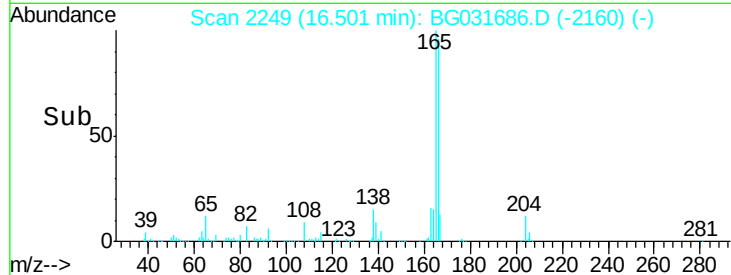
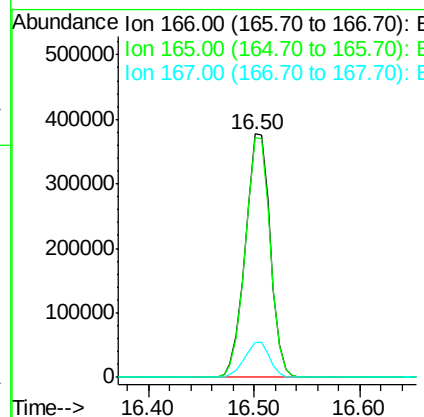
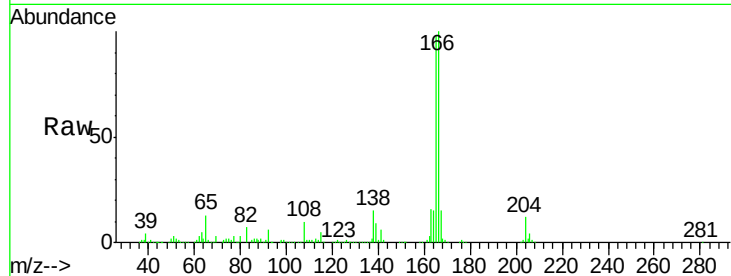




#57  
 Fluorene  
 Concen: 42.599 ng  
 RT: 16.50 min Scan# 2249  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

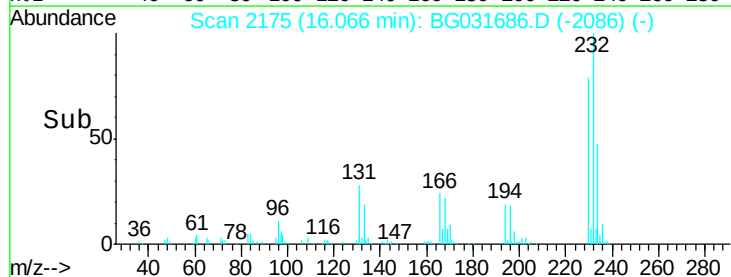
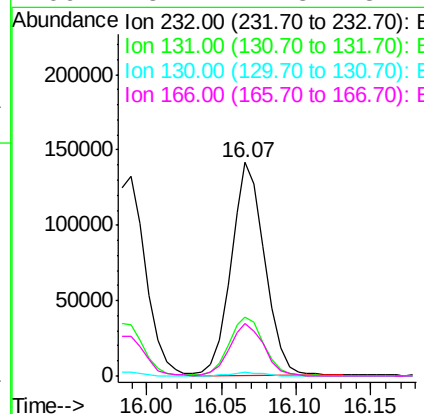
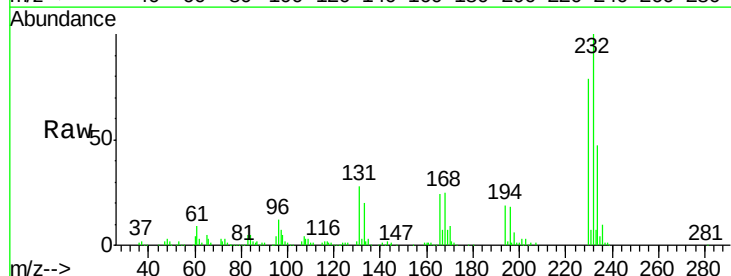
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:166 Resp: 614373  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 80.6 121.0  
 167 14.5 10.4 15.6

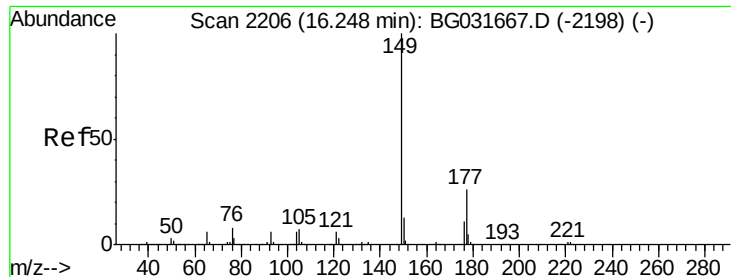


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.768 ng  
 RT: 16.07 min Scan# 2175  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:232 Resp: 221727  
 Ion Ratio Lower Upper  
 232 100  
 131 29.3 33.5 50.3#  
 130 1.7 2.2 3.2#  
 166 25.2 24.8 37.2



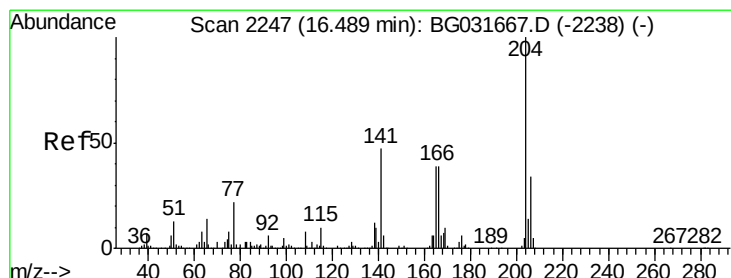
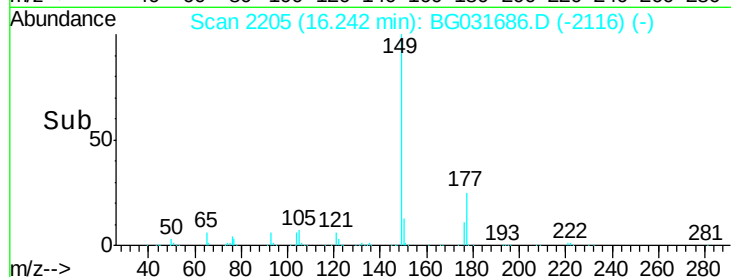
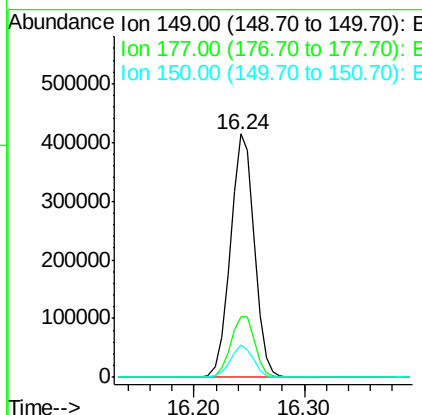
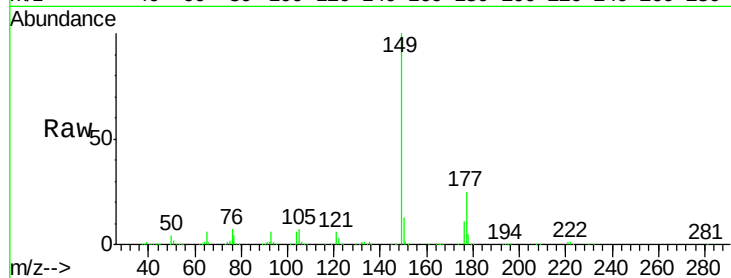




#59  
Diethylphthalate  
Concen: 43.033 ng  
RT: 16.24 min Scan# 2205  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

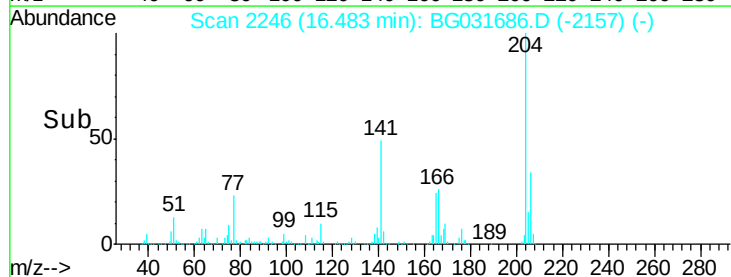
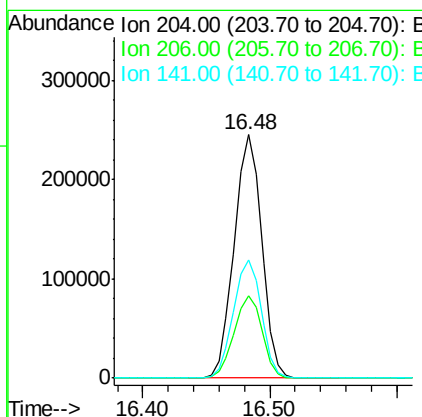
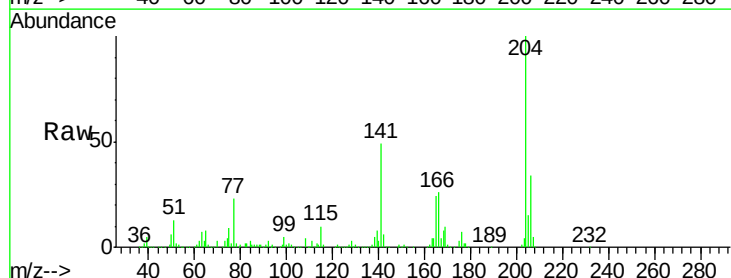
Instrument :  
BNA\_G  
ClientSampled :

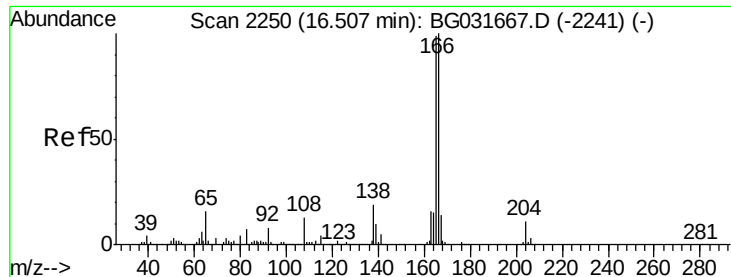
Tot Ion:149 Resp: 626940  
Ion Ratio Lower Upper  
149 100  
177 25.1 18.5 27.7  
150 13.3 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 41.668 ng  
RT: 16.48 min Scan# 2246  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:204 Resp: 367700  
Ion Ratio Lower Upper  
204 100  
206 33.9 26.2 39.2  
141 48.6 45.8 68.6

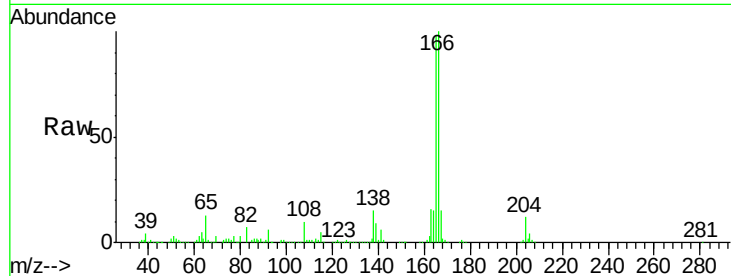




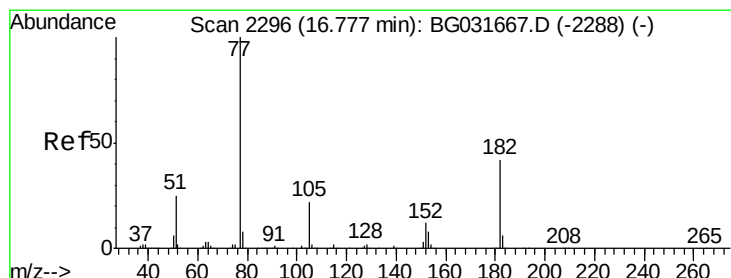
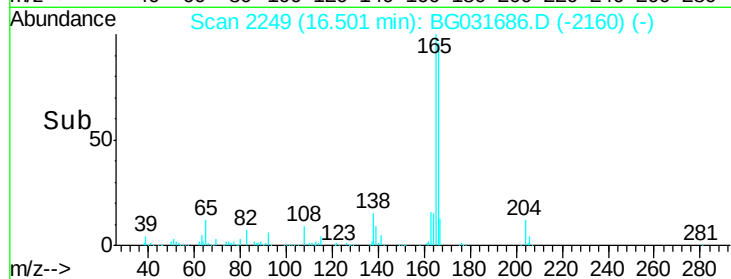
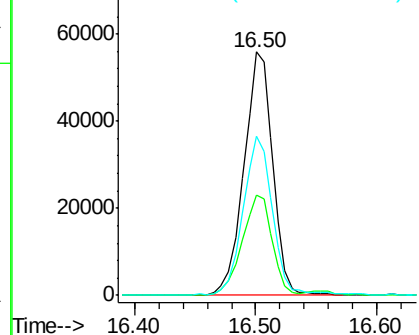
#61  
4-Nitroaniline  
Concen: 35.358 ng  
RT: 16.50 min Scan# 2249  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 92565  
Ion Ratio Lower Upper  
138 100  
92 41.0 40.1 80.1  
108 65.5 65.4 105.4

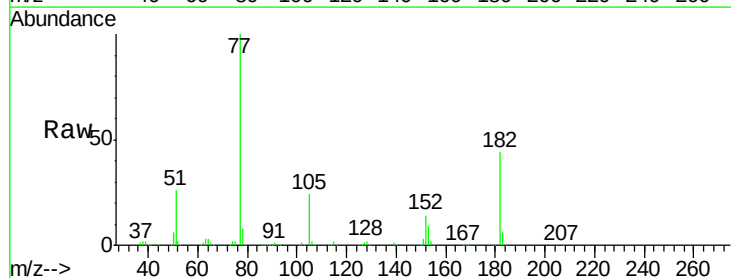


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 108.00 (107.70 to 108.70): E

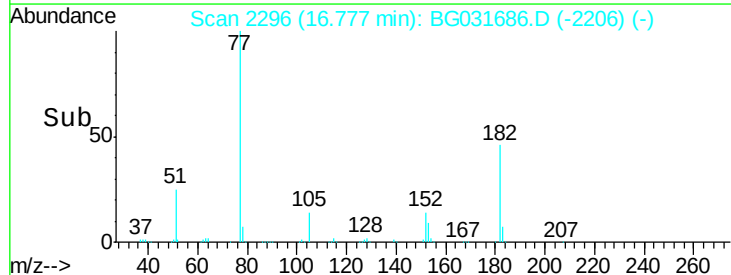
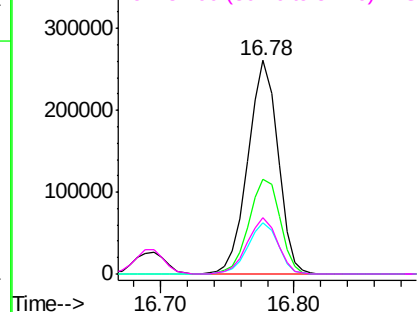


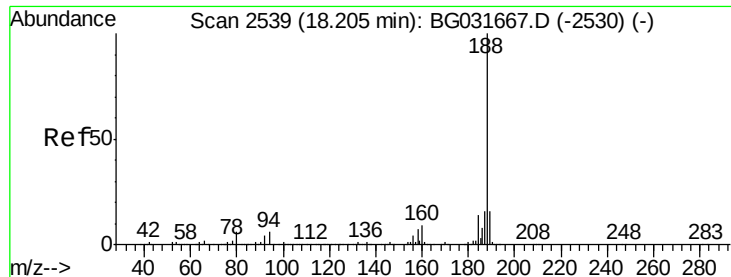
#62  
Azobenzene  
Concen: 43.393 ng  
RT: 16.78 min Scan# 2296  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion: 77 Resp: 405427  
Ion Ratio Lower Upper  
77 100  
182 44.1 7.4 47.4  
105 24.3 0.3 40.3  
51 26.3 11.6 51.6



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BGC

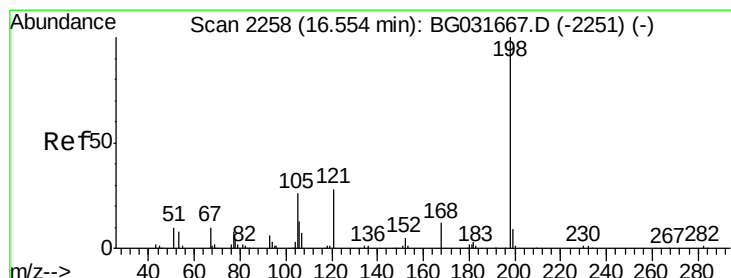
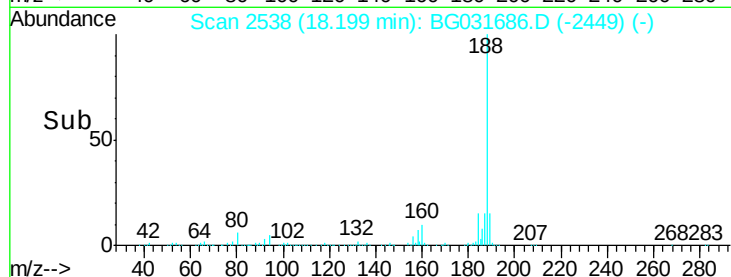
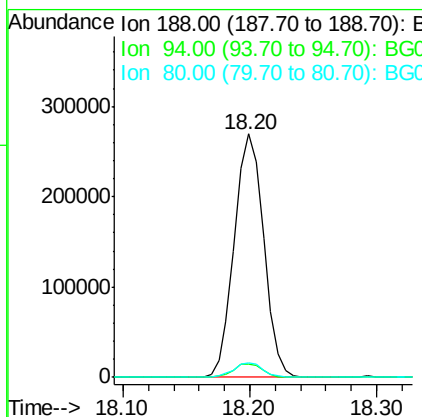
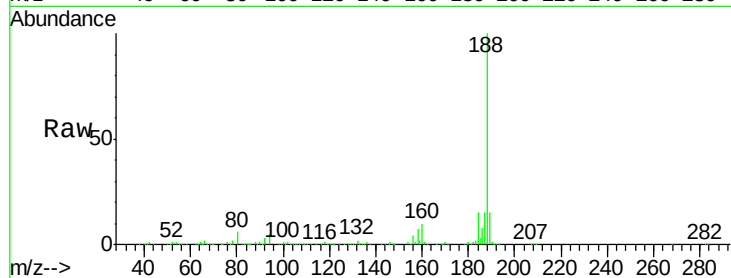




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.20 min Scan# 2538  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

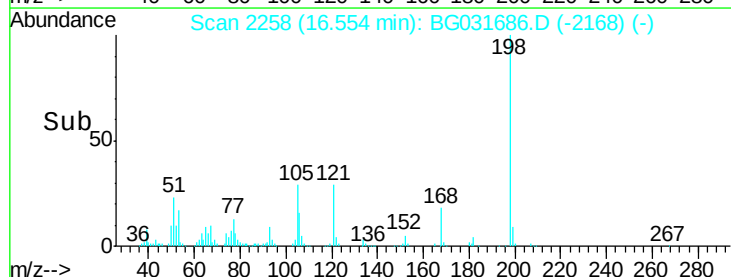
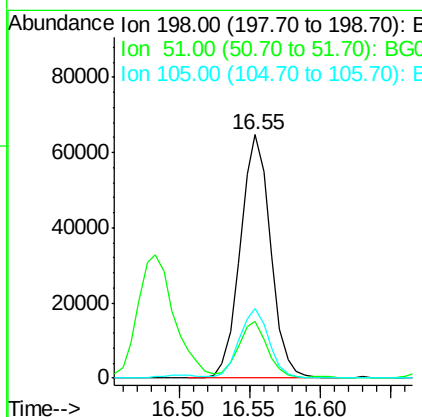
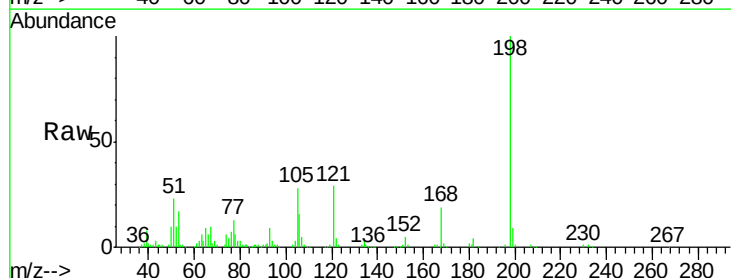
Instrument :  
 BNA\_G  
 ClientSampleId :

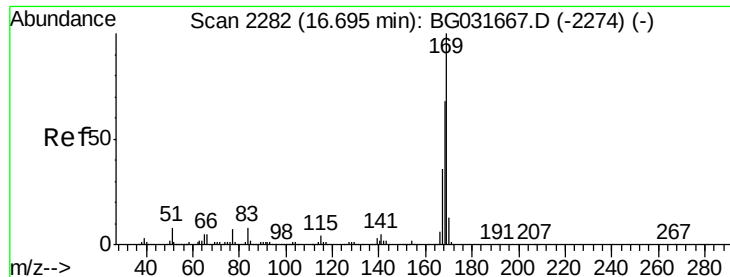
Tot Ion:188 Resp: 433448  
 Ion Ratio Lower Upper  
 188 100  
 94 5.2 6.9 10.3#  
 80 5.8 7.7 11.5#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 46.349 ng  
 RT: 16.55 min Scan# 2258  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:198 Resp: 97006  
 Ion Ratio Lower Upper  
 198 100  
 51 23.1 30.6 70.6#  
 105 28.5 23.8 63.8

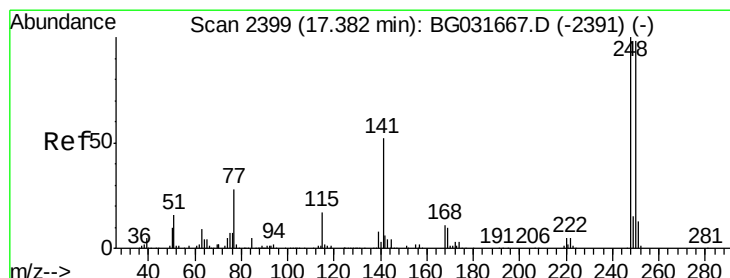
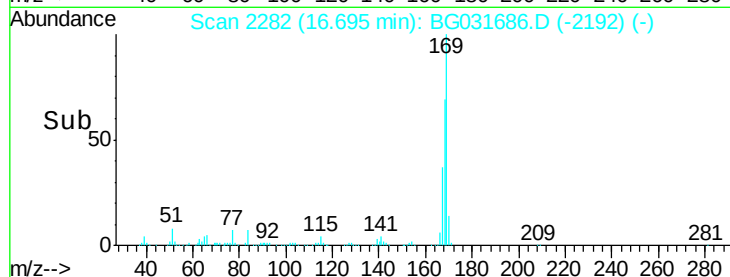
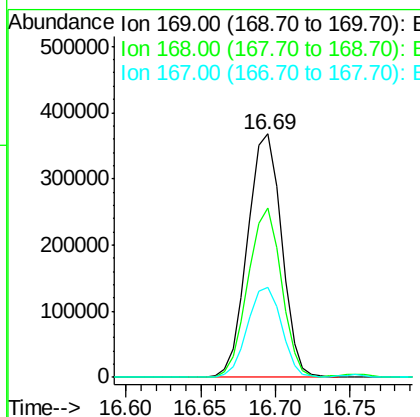
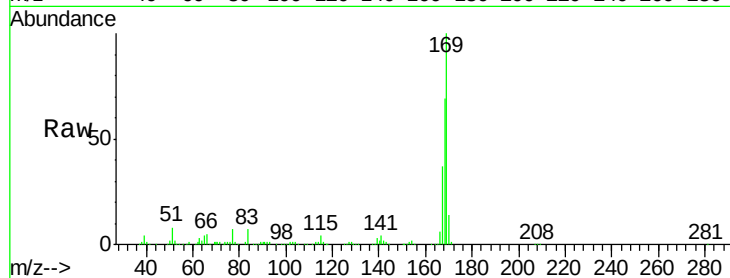




#65  
n-Nitrosodiphenylamine  
Concen: 40.236 ng  
RT: 16.69 min Scan# 2282  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

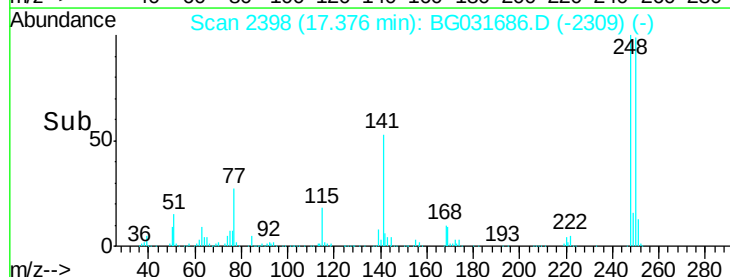
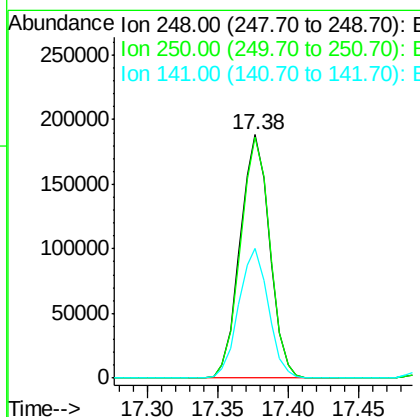
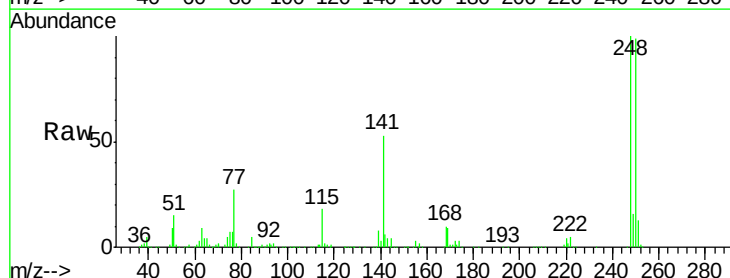
Instrument :  
BNA\_G  
ClientSampled :

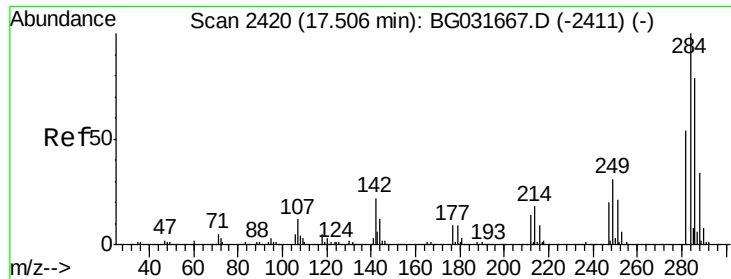
Tot Ion:169 Resp: 579237  
Ion Ratio Lower Upper  
169 100  
168 69.5 55.7 83.5  
167 37.1 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 43.848 ng  
RT: 17.38 min Scan# 2398  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:248 Resp: 274834  
Ion Ratio Lower Upper  
248 100  
250 98.9 77.1 115.7  
141 53.2 50.8 76.2

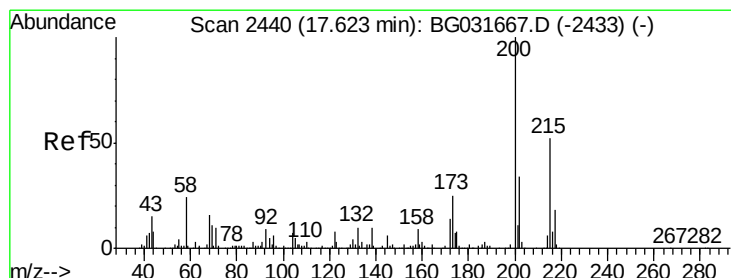
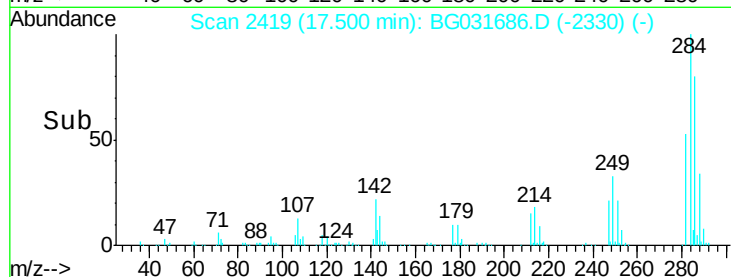
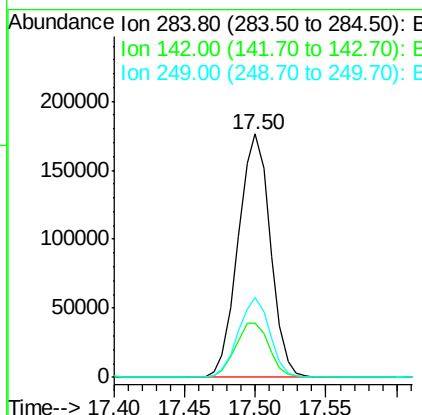
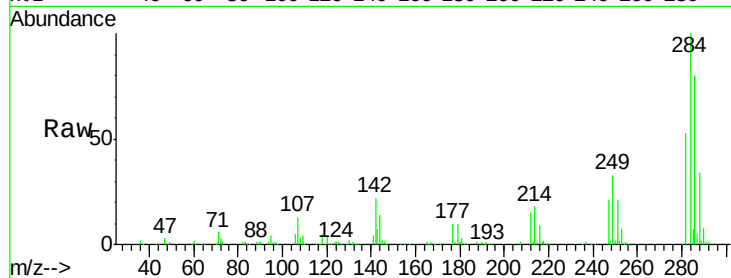




#67  
Hexachlorobenzene  
Concen: 43.933 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

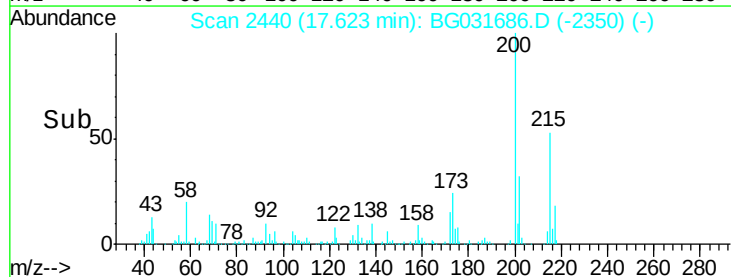
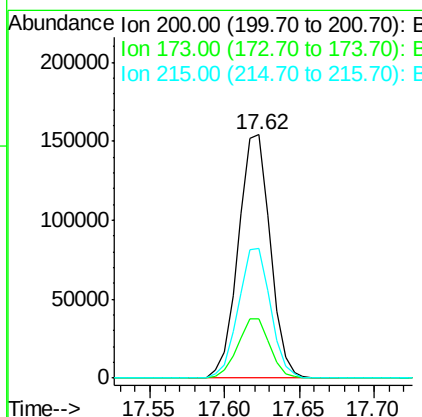
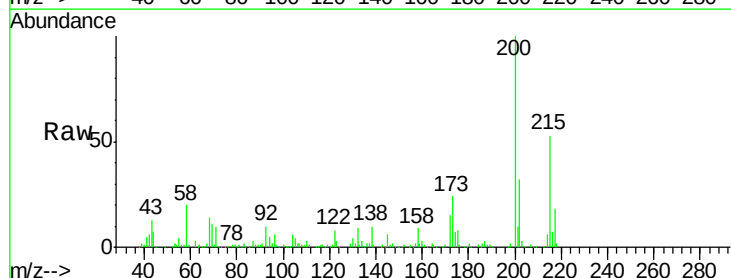
Instrument :  
BNA\_G  
ClientSampleId :

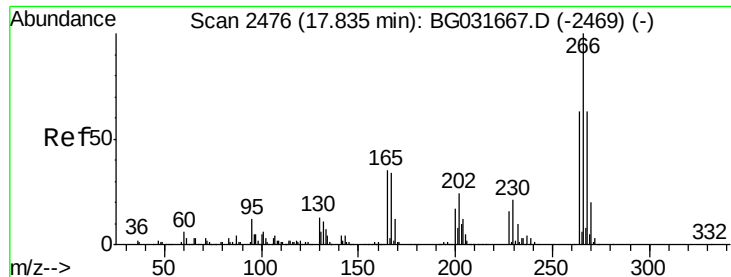
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 22.2  | 26.8  | 40.2# |
| 249     | 32.9  | 26.3  | 39.5  |



#68  
Atrazine  
Concen: 40.837 ng  
RT: 17.62 min Scan# 2440  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.4  | 5.2   | 45.2  |
| 215     | 53.1  | 30.4  | 70.4  |

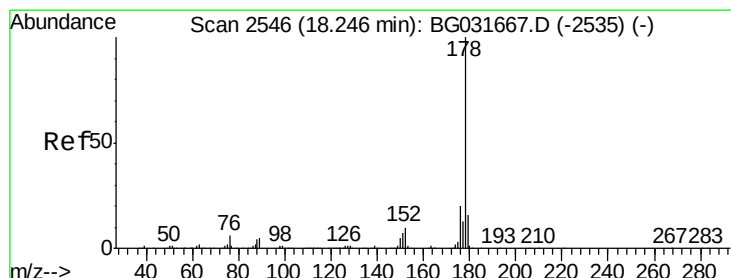
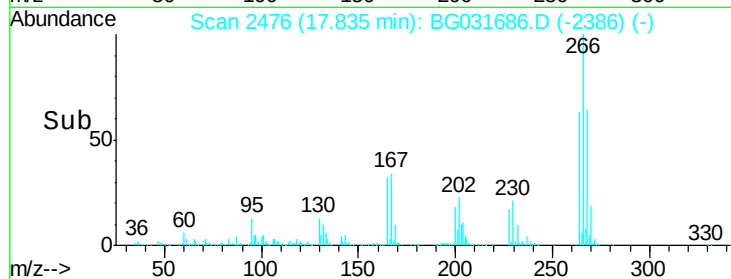
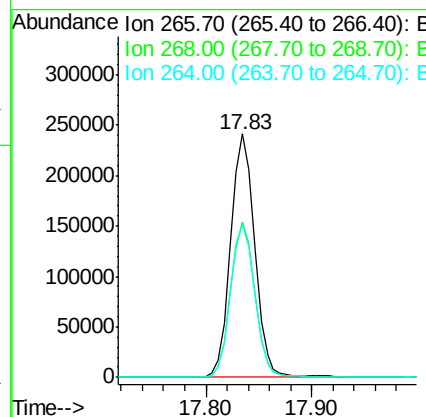
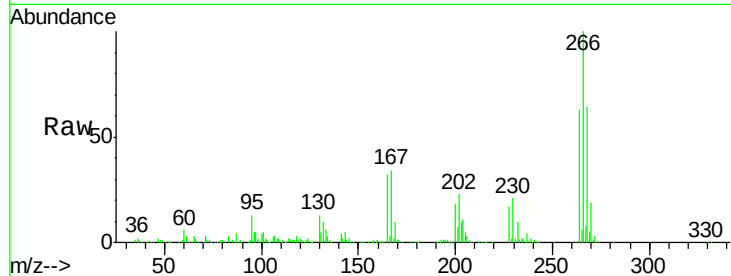




#69  
 Pentachlorophenol  
 Concen: 86.463 ng  
 RT: 17.83 min Scan# 2476  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

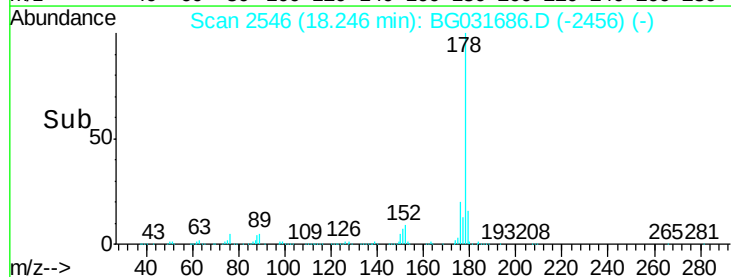
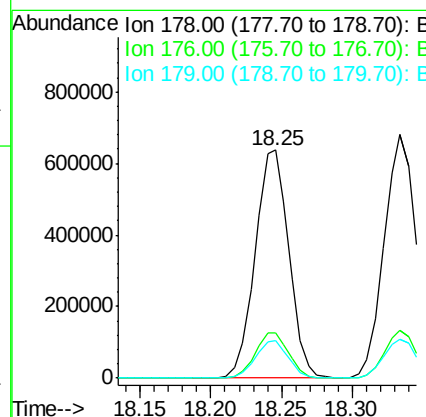
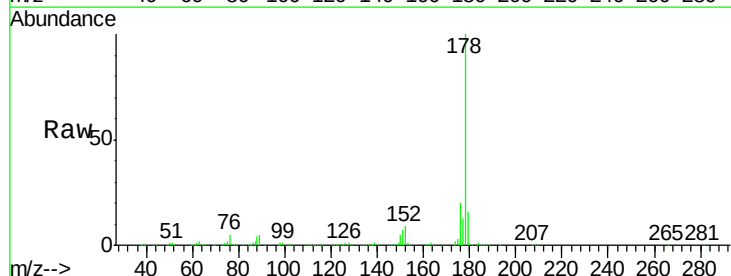
Instrument :  
 BNA\_G  
 ClientSampleId :

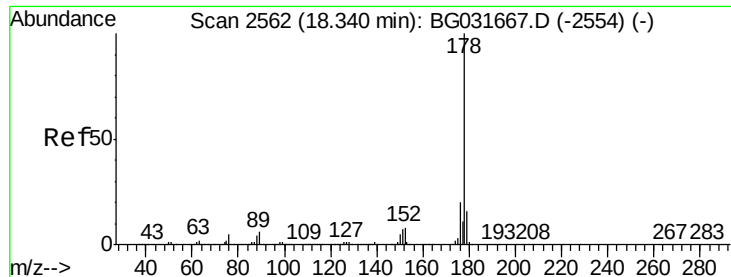
Tot Ion:266 Resp: 381057  
 Ion Ratio Lower Upper  
 266 100  
 268 64.0 51.1 76.7  
 264 62.7 49.6 74.4



#70  
 Phenanthrene  
 Concen: 43.504 ng  
 RT: 18.25 min Scan# 2546  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:178 Resp: 1067149  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 15.7 23.5  
 179 16.4 12.5 18.7

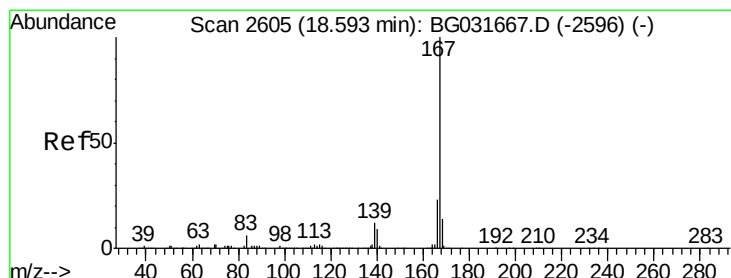
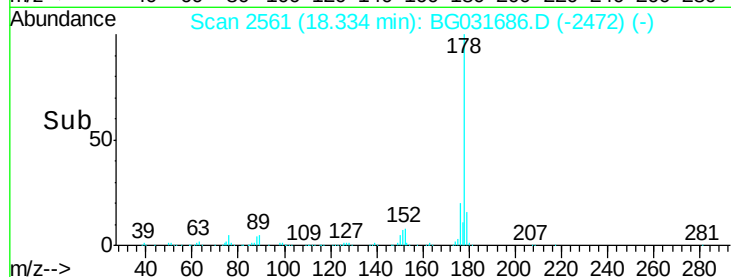
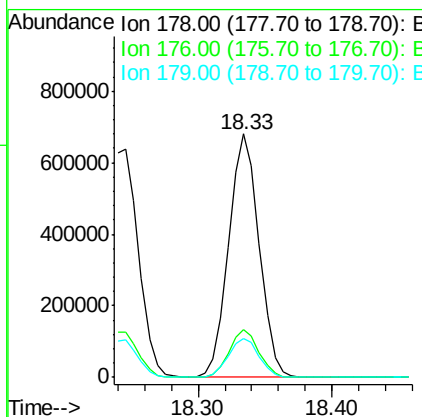
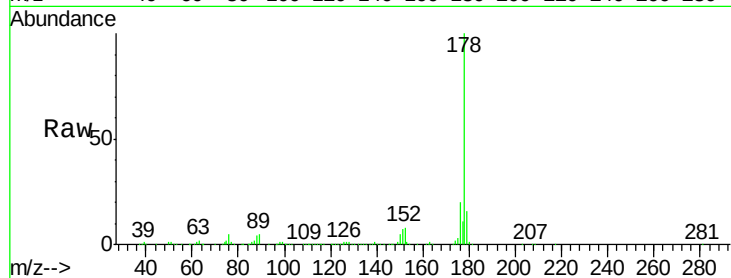




#71  
 Anthracene  
 Concen: 43.671 ng  
 RT: 18.33 min Scan# 2561  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

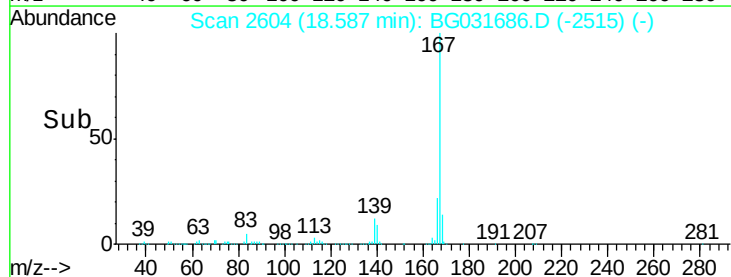
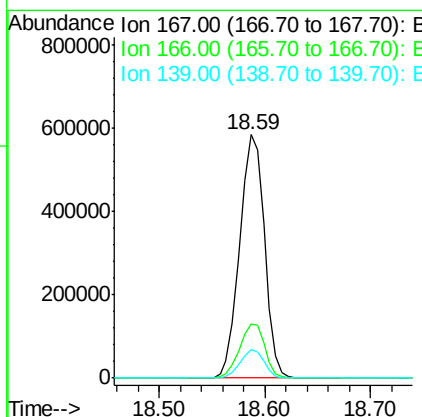
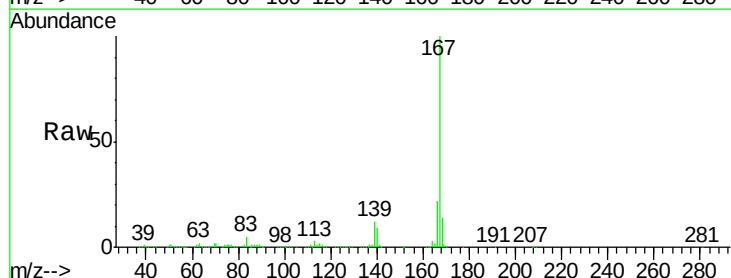
Instrument :  
 BNA\_G  
 ClientSampleId :

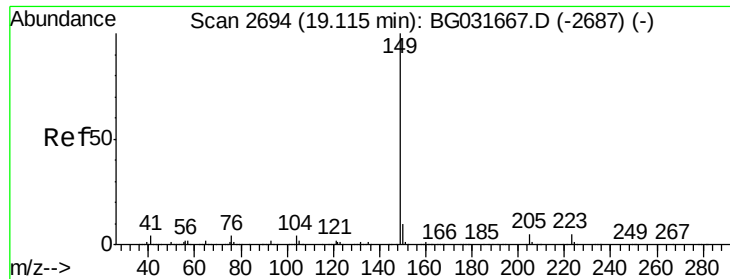
Tot Ion:178 Resp: 1080620  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.0 24.0  
 179 16.2 12.5 18.7



#72  
 Carbazole  
 Concen: 43.230 ng  
 RT: 18.59 min Scan# 2604  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:167 Resp: 946777  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.2 27.4  
 139 11.7 9.4 14.2





#73

Di-n-butylphthalate

Concen: 43.764 ng

RT: 19.11 min Scan# 2693

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

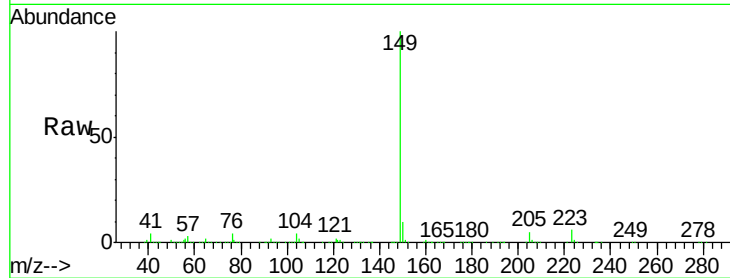
Tot Ion:149 Resp: 1065170

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.6

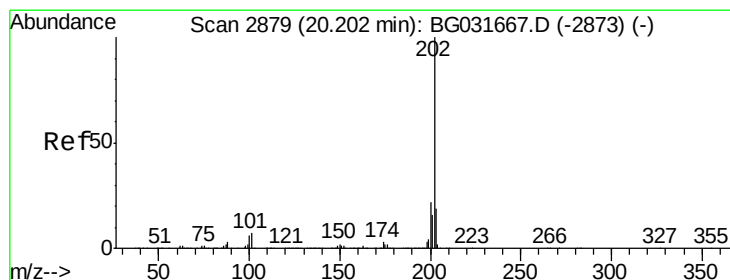
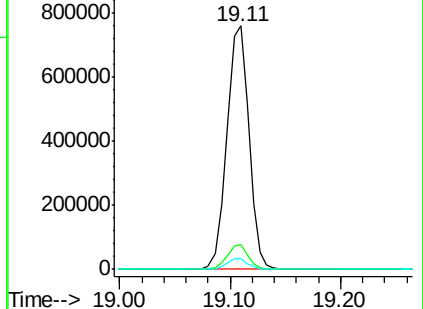
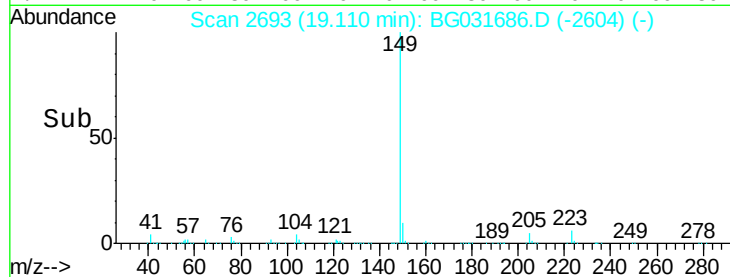
104 4.2 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.118 ng

RT: 20.20 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

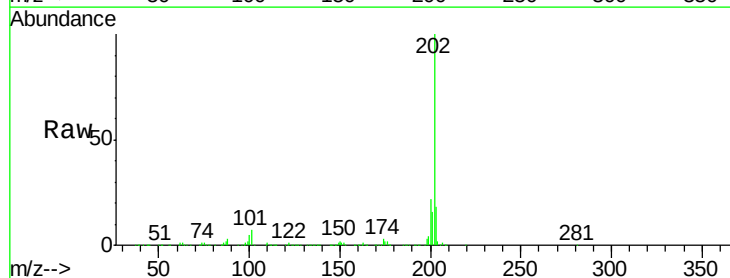
Tgt Ion:202 Resp: 1327879

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.9

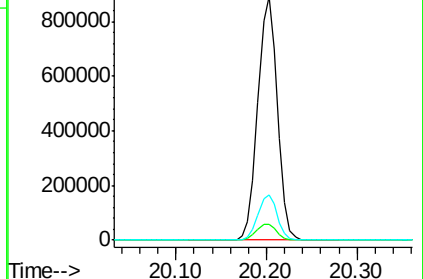
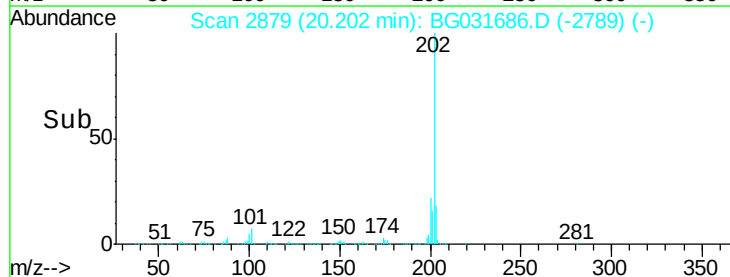
203 18.4 0.0 37.5



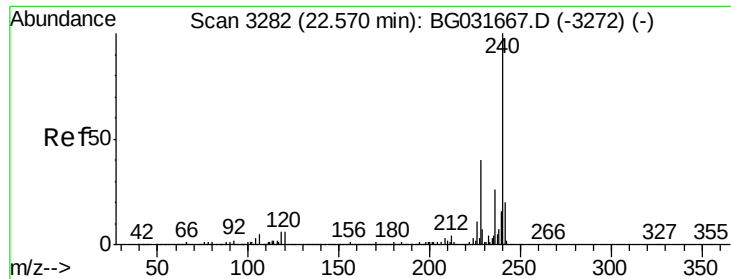
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



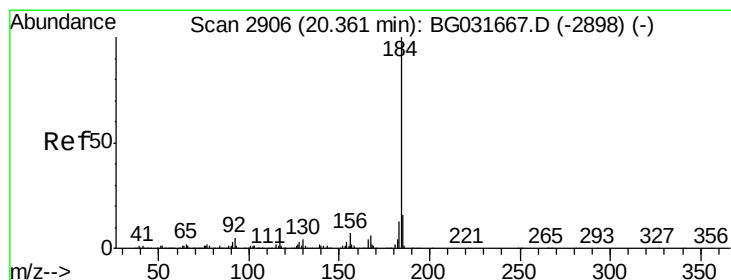
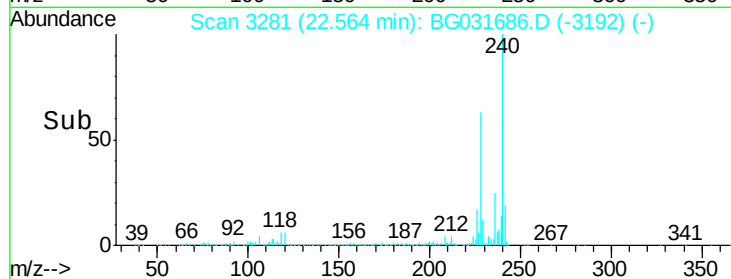
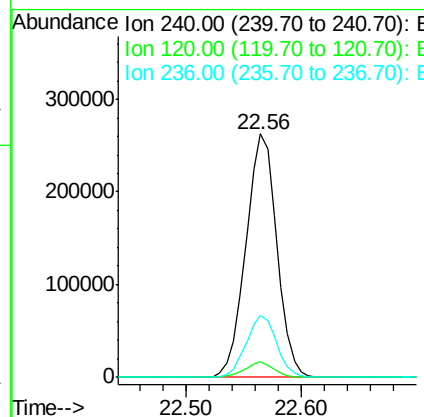
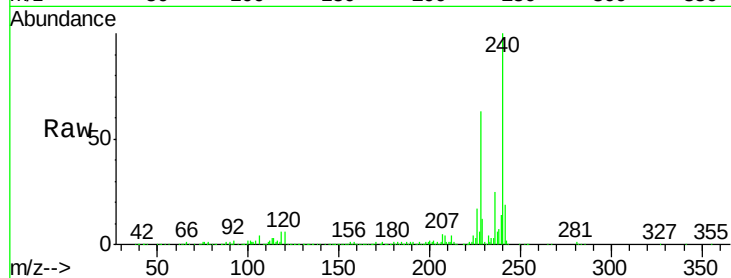




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.56 min Scan# 3281  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

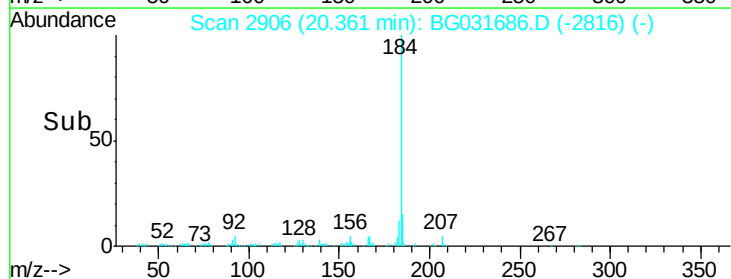
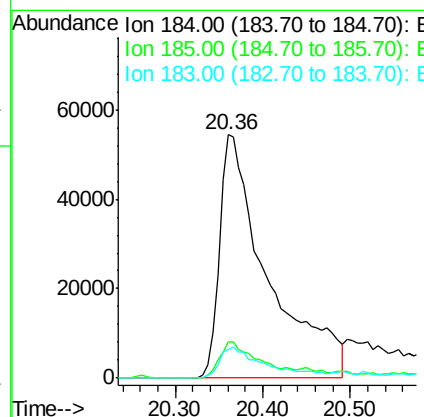
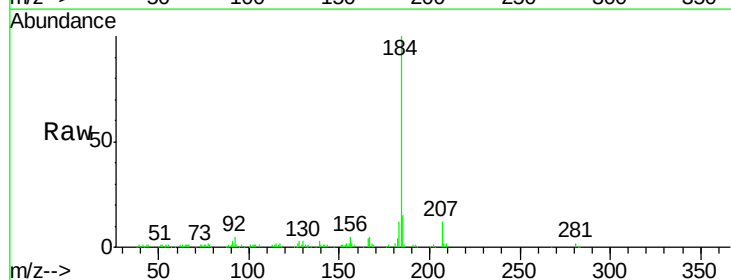
Instrument :  
 BNA\_G  
 ClientSampleId :

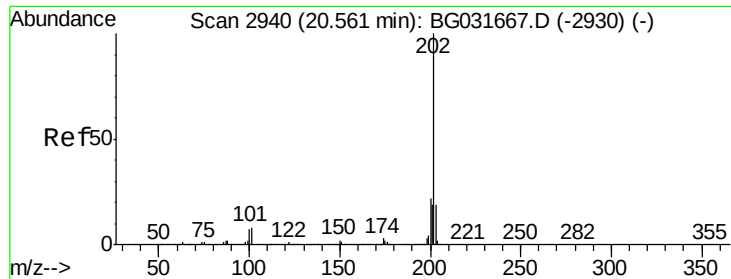
Tot Ion:240 Resp: 488844  
 Ion Ratio Lower Upper  
 240 100  
 120 6.4 6.8 10.2#  
 236 25.4 20.9 31.3



#76  
 Benzidine  
 Concen: 13.705 ng  
 RT: 20.36 min Scan# 2906  
 Delta R.T. 0.00 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:184 Resp: 206789  
 Ion Ratio Lower Upper  
 184 100  
 185 15.1 11.1 16.7  
 183 11.8 10.6 16.0

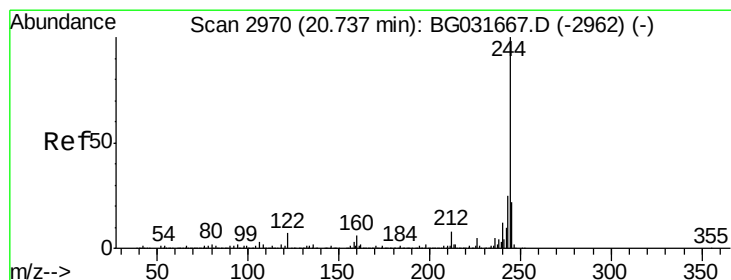
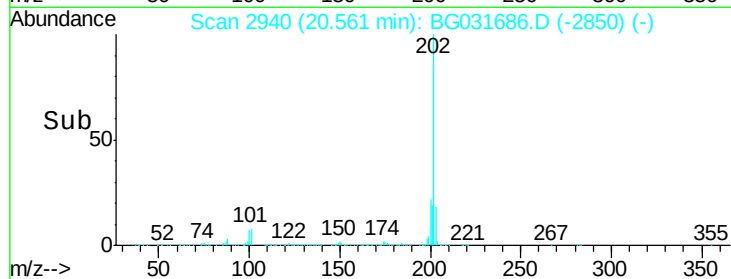
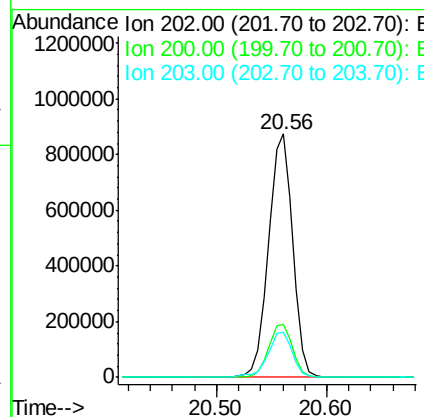
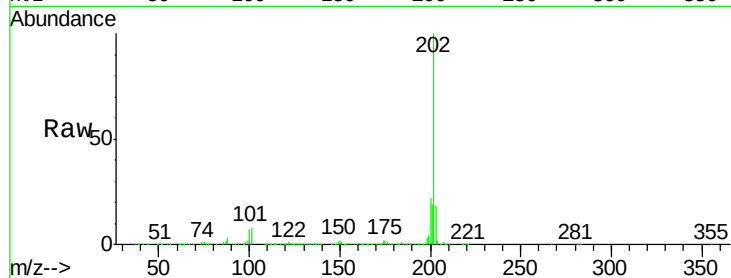




#77  
Pvrene  
Concen: 42.683 ng  
RT: 20.56 min Scan# 2940  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

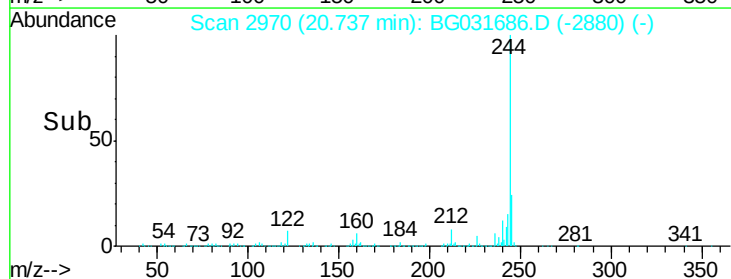
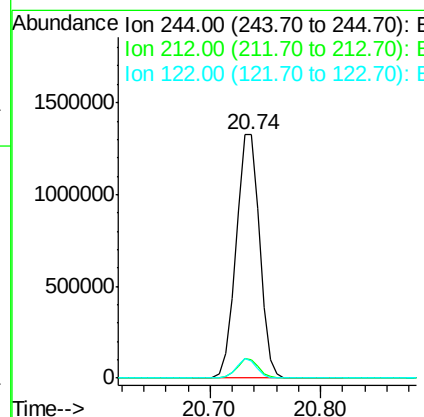
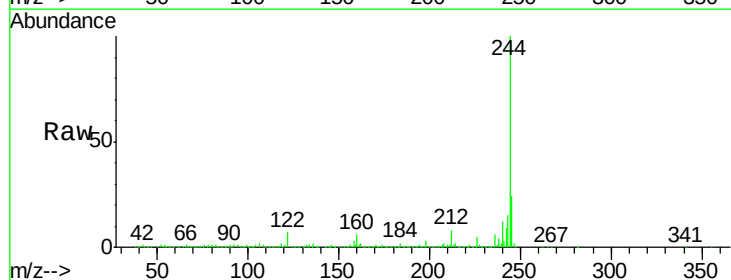
Instrument :  
BNA\_G  
ClientSampled :

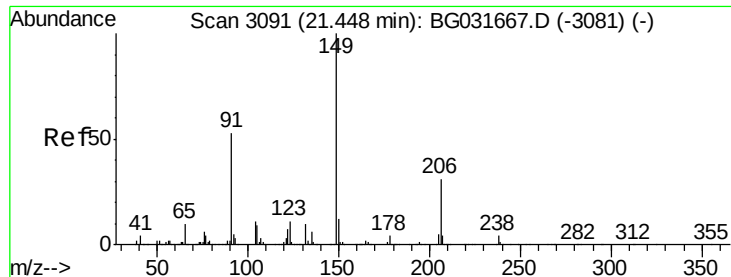
Tot Ion:202 Resp: 1332810  
Ion Ratio Lower Upper  
202 100  
200 21.9 16.9 25.3  
203 18.4 13.9 20.9



#78  
Terphenyl-d14  
Concen: 92.310 ng  
RT: 20.74 min Scan# 2970  
Delta R.T. 0.00 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:244 Resp: 1975139  
Ion Ratio Lower Upper  
244 100  
212 7.7 5.8 8.8  
122 7.1 7.0 10.4

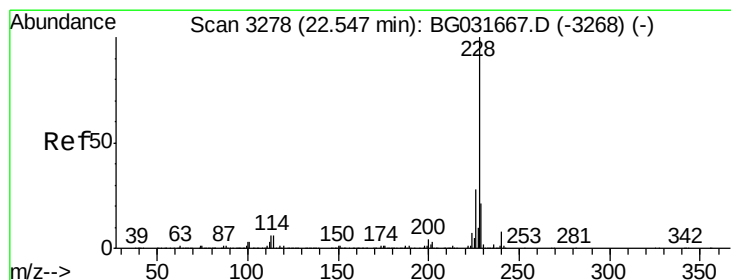
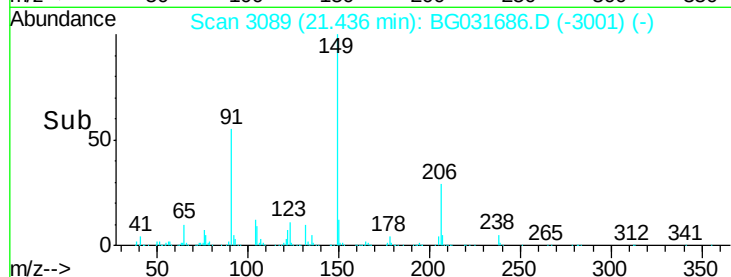
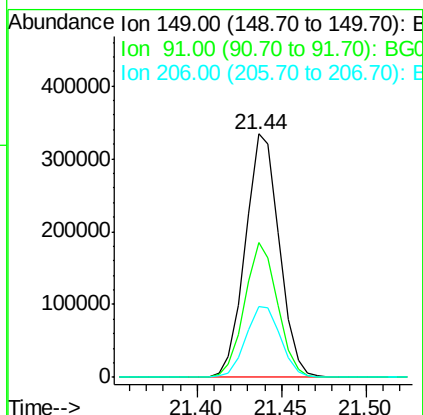
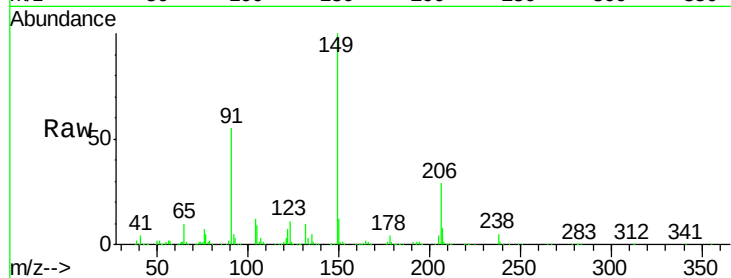




#79  
Butylbenzylphthalate  
Concen: 44.530 ng  
RT: 21.44 min Scan# 3089  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

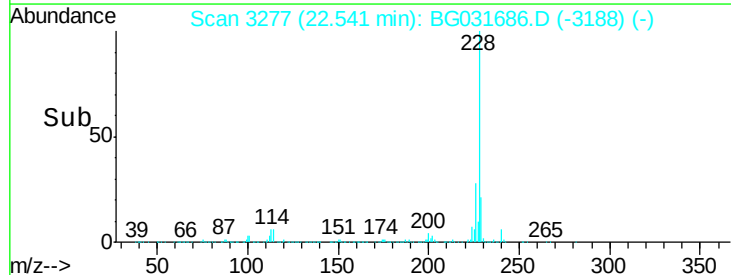
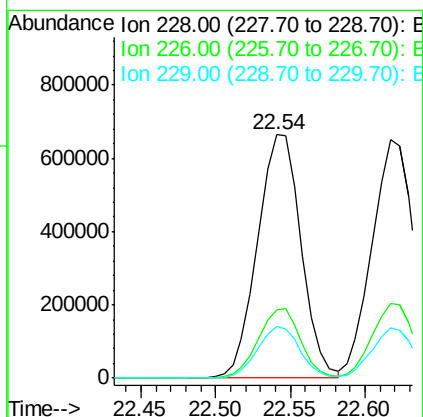
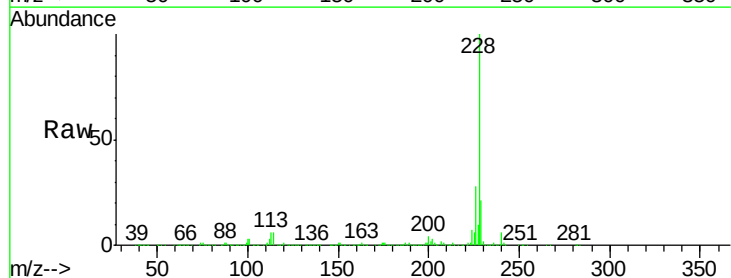
Instrument :  
BNA\_G  
ClientSampleId :

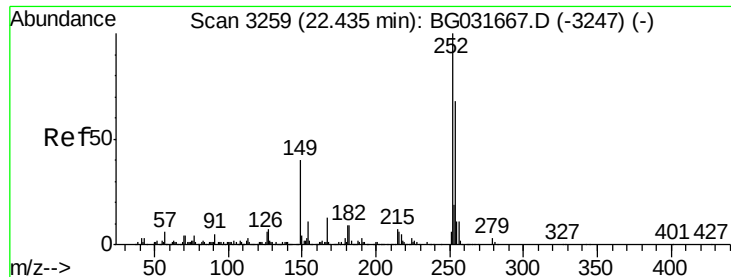
Tot Ion:149 Resp: 466783  
Ion Ratio Lower Upper  
149 100  
91 55.2 62.2 93.2#  
206 29.2 18.6 27.8#



#80  
Benzo(a)anthracene  
Concen: 43.321 ng  
RT: 22.54 min Scan# 3277  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:228 Resp: 1347107  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.7 34.1  
229 21.2 16.2 24.2

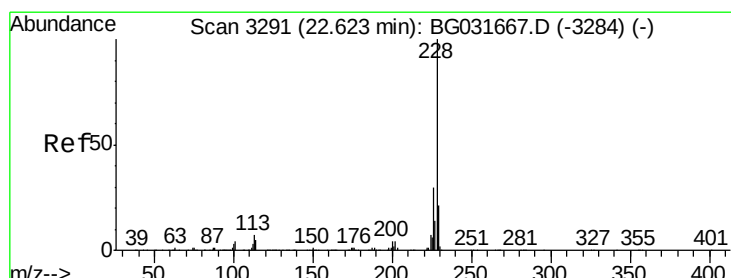
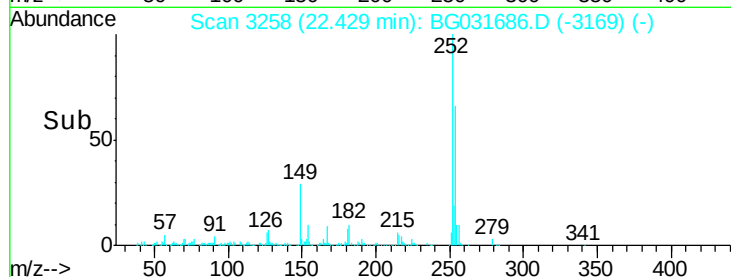
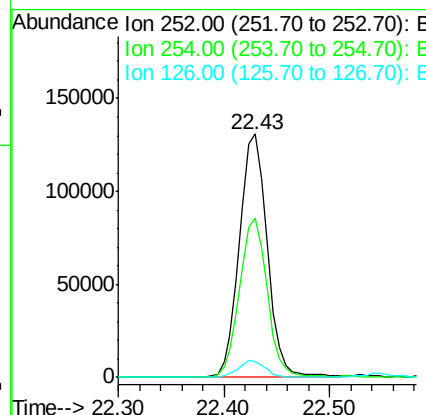
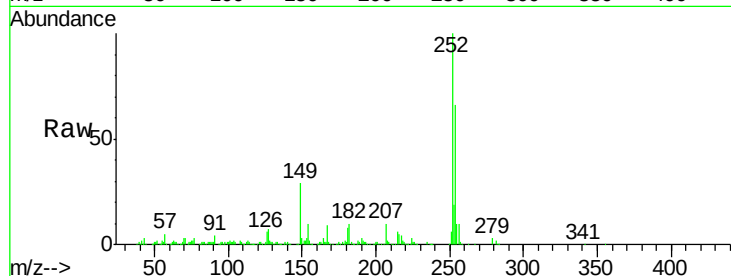




#81  
 3,3'-Dichlorobenzidine  
 Concen: 19.887 ng  
 RT: 22.43 min Scan# 3258  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

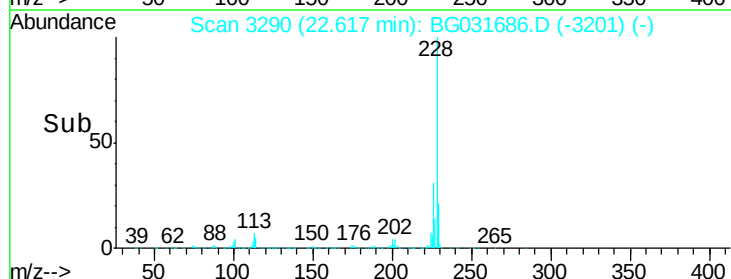
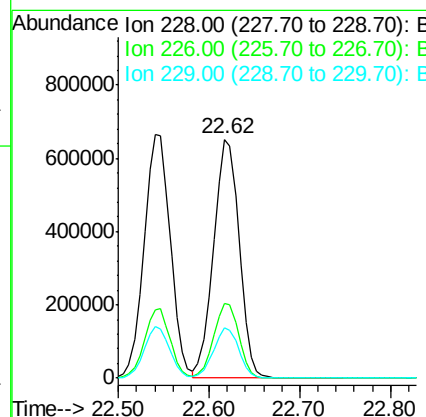
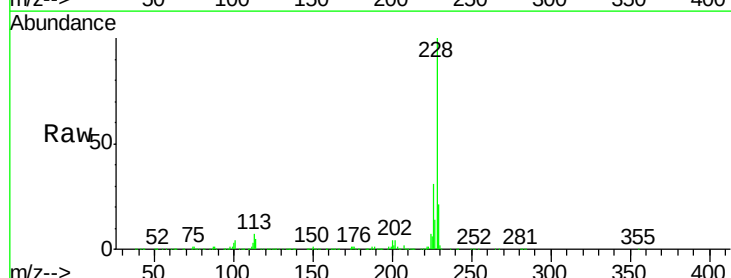
Instrument :  
 BNA\_G  
 ClientSampleId :

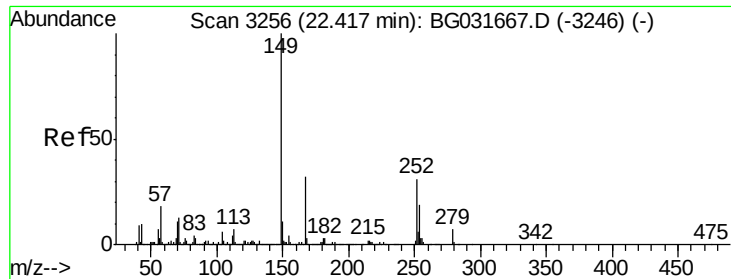
Tot Ion:252 Resp: 239768  
 Ion Ratio Lower Upper  
 252 100  
 254 65.5 50.8 76.2  
 126 6.3 7.4 11.2#



#82  
 Chrysene  
 Concen: 43.335 ng  
 RT: 22.62 min Scan# 3290  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:228 Resp: 1274993  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.9 37.3  
 229 21.3 15.0 22.4

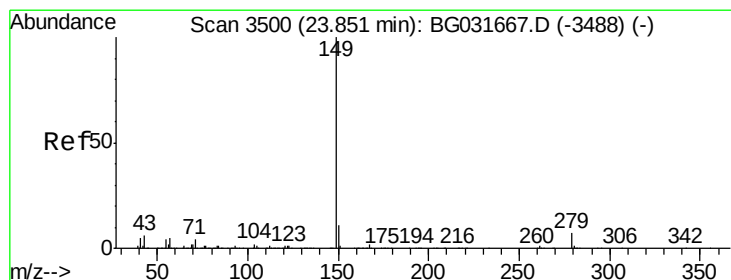
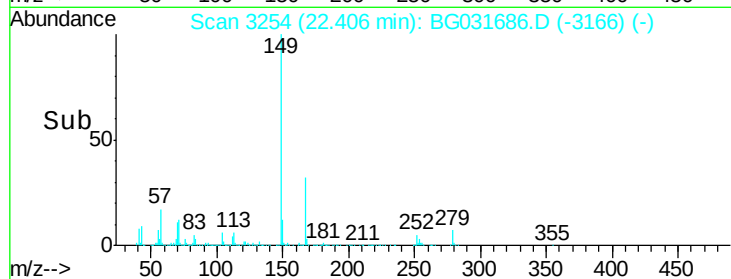
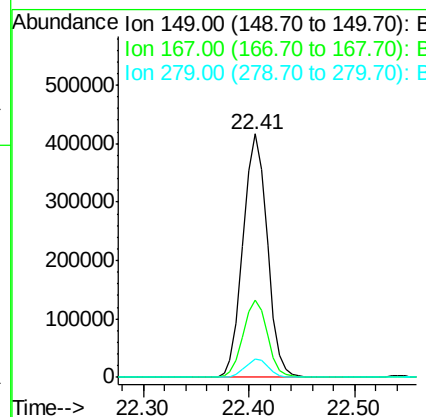
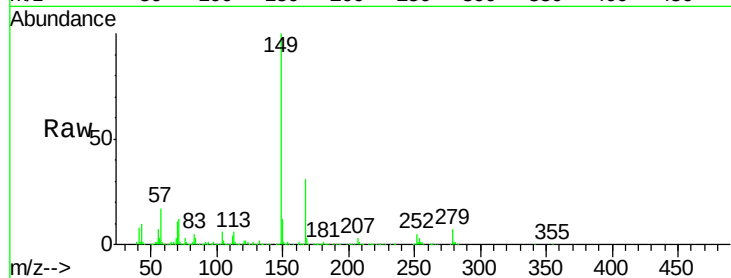




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.457 ng  
 RT: 22.41 min Scan# 3254  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

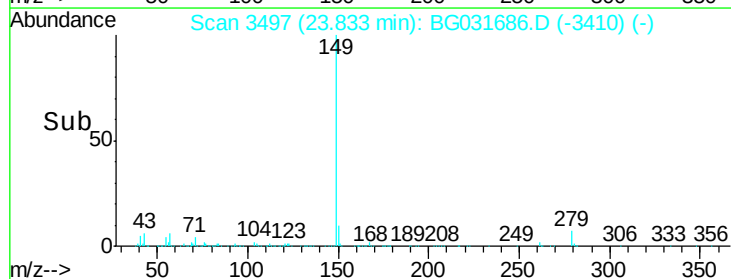
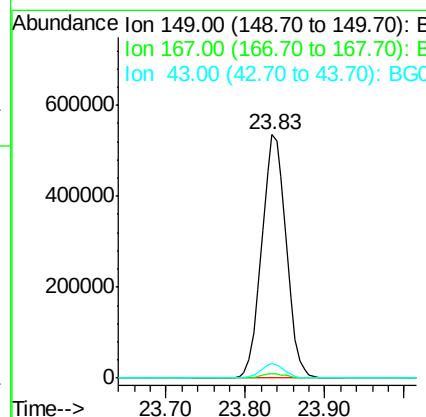
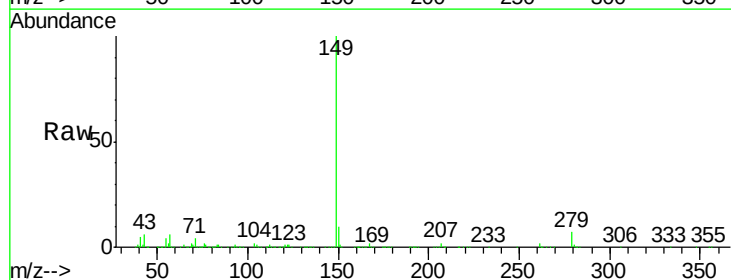
Instrument :  
 BNA\_G  
 ClientSampled :

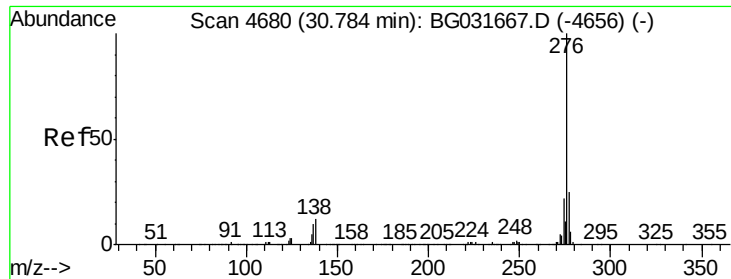
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 31.5  | 24.3  | 36.5  |
| 279     | 7.4   | 4.0   | 6.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 45.233 ng  
 RT: 23.83 min Scan# 3497  
 Delta R.T. -0.02 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.0   |
| 43      | 5.7   | 8.9   | 13.3  |

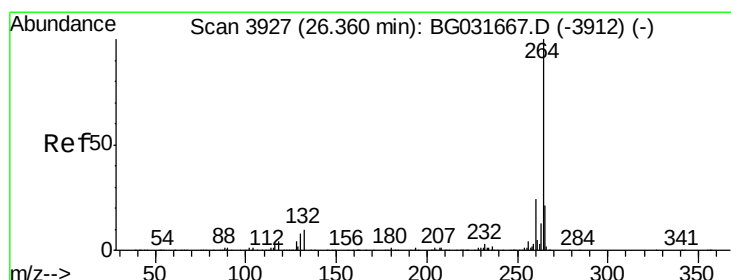
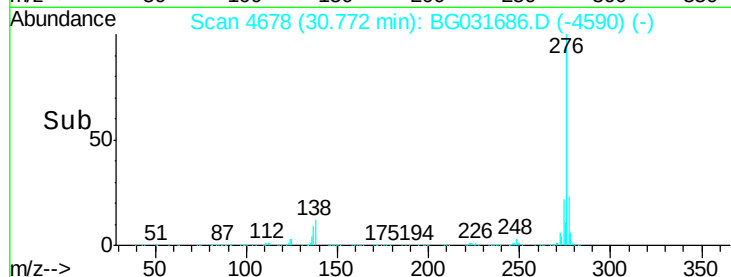
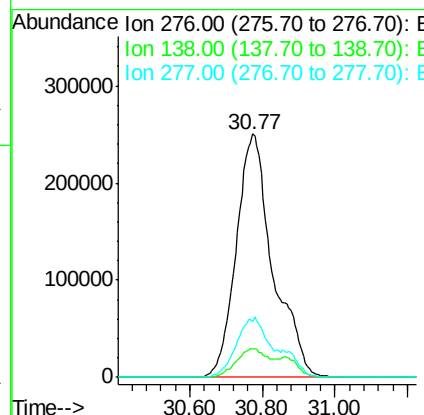
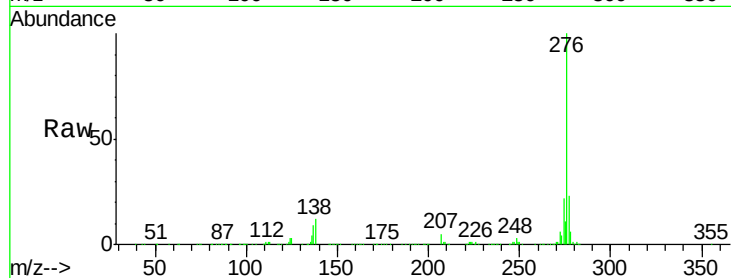




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.511 ng  
 RT: 30.77 min Scan# 4678  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

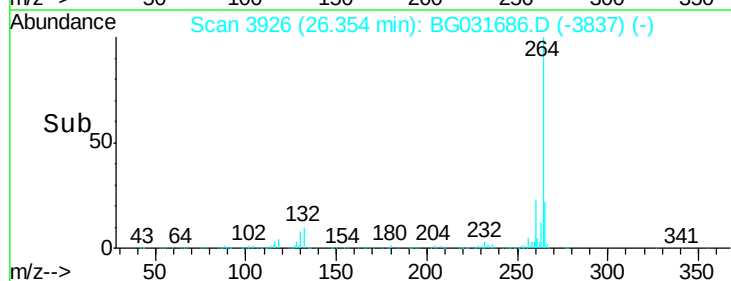
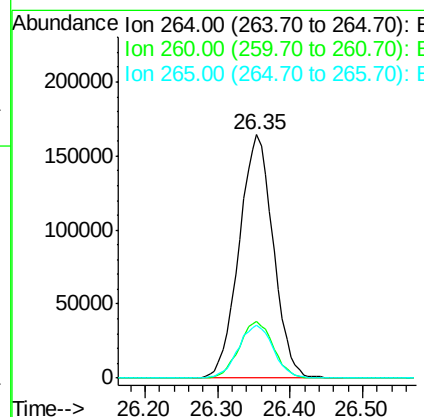
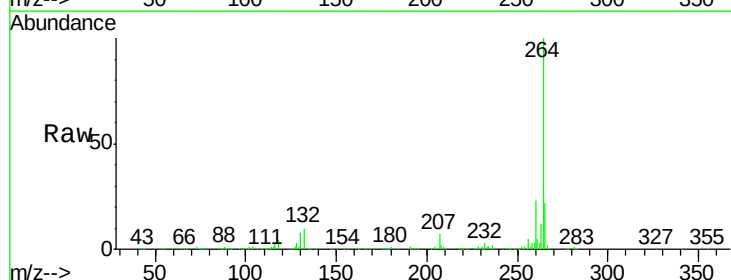
Instrument :  
 BNA\_G  
 ClientSampleId :

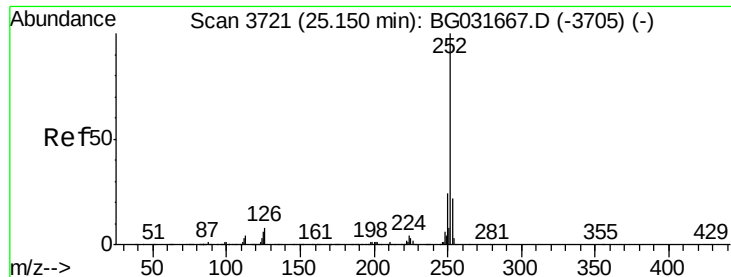
Tot Ion:276 Resp: 1755594  
 Ion Ratio Lower Upper  
 276 100  
 138 10.3 16.0 24.0#  
 277 11.4 20.0 30.0#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.35 min Scan# 3926  
 Delta R.T. -0.01 min  
 Lab File: BG031686.D  
 Acq: 21 Dec 2017 23:06

Tgt Ion:264 Resp: 535638  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 17.4 26.0  
 265 21.9 17.7 26.5

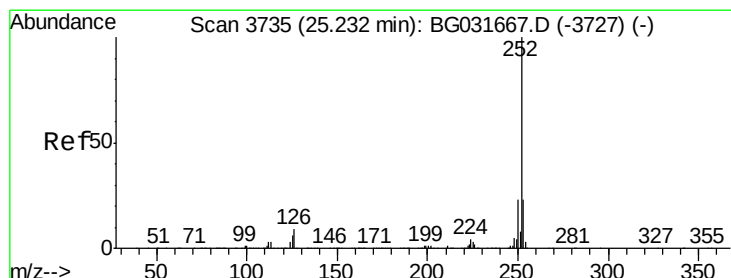
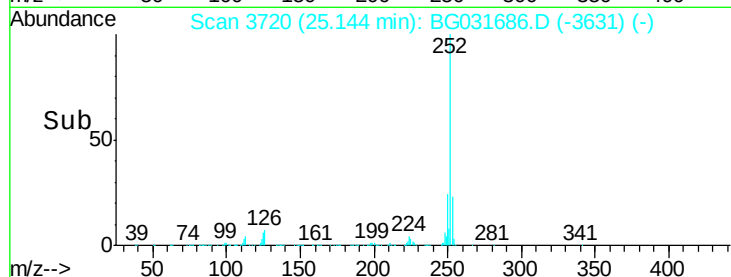
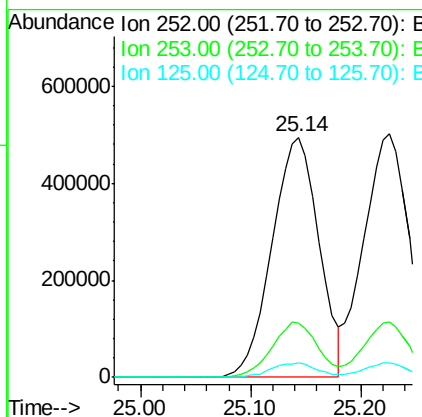
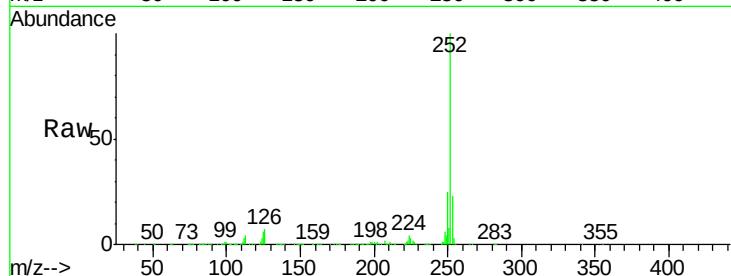




#87  
Benzo(b)fluoranthene  
Concen: 43.645 ng  
RT: 25.14 min Scan# 3720  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

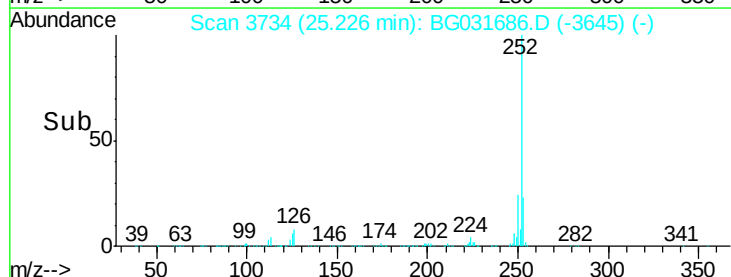
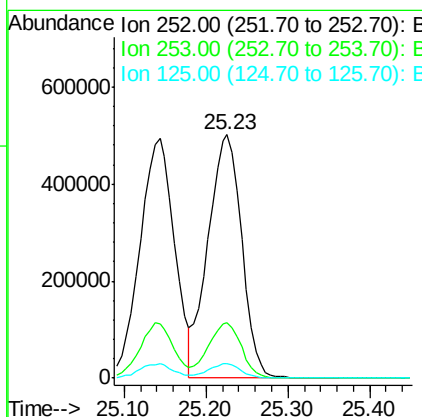
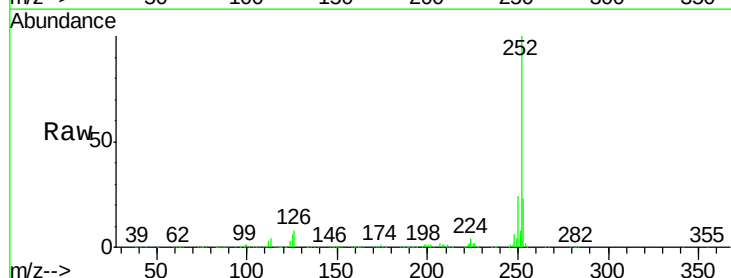
Instrument :  
BNA\_G  
ClientSampleId :

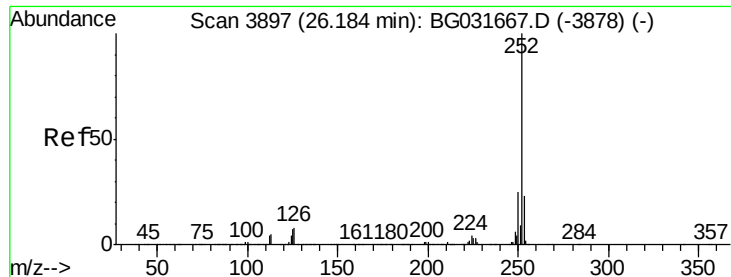
Tot Ion:252 Resp: 1451176  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.2 27.4  
125 6.1 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 43.084 ng  
RT: 25.23 min Scan# 3734  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:252 Resp: 1433616  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.4 26.2  
125 5.8 6.6 9.8#

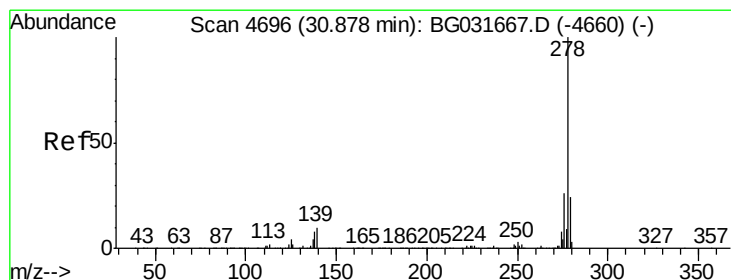
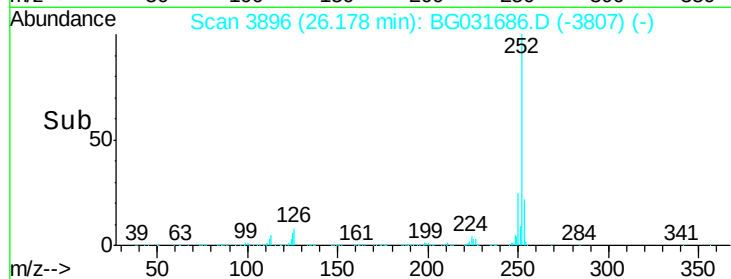
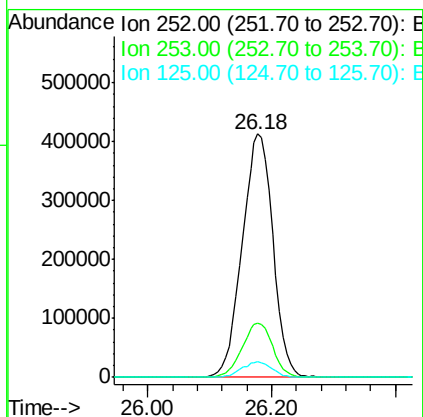
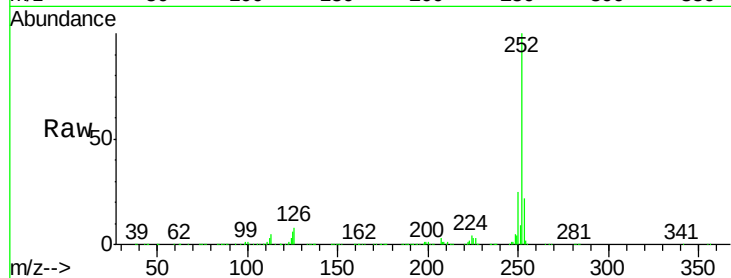




#89  
Benzo(a)pyrene  
Concen: 44.754 ng  
RT: 26.18 min Scan# 3896  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

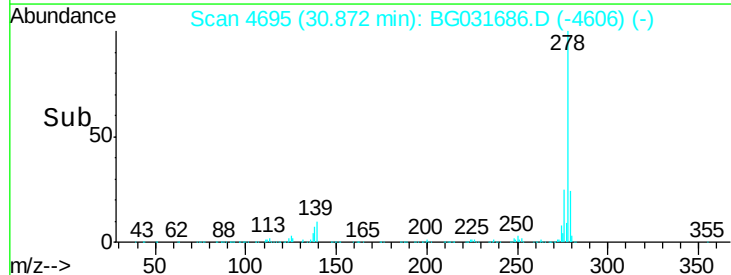
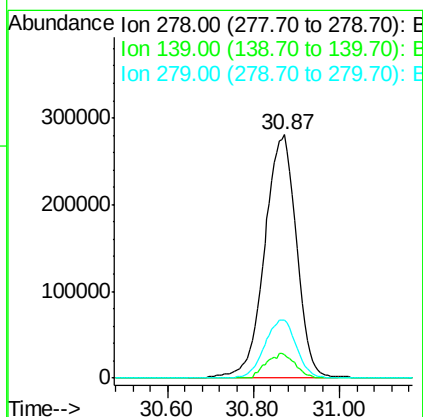
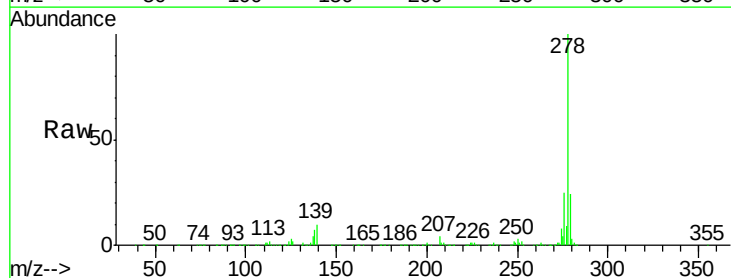
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:252 Resp: 1425136  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.3 27.5  
125 6.4 7.3 10.9#

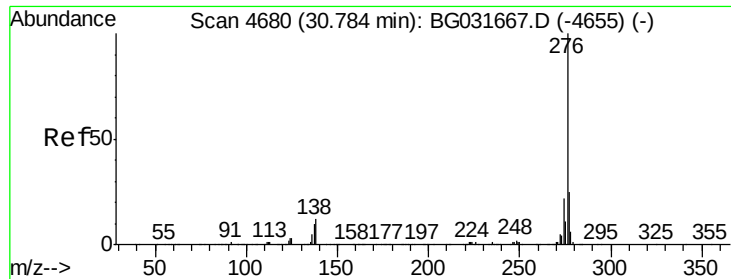


#90  
Dibenzo(a,h)anthracene  
Concen: 44.275 ng  
RT: 30.87 min Scan# 4695  
Delta R.T. -0.01 min  
Lab File: BG031686.D  
Acq: 21 Dec 2017 23:06

Tgt Ion:278 Resp: 1456097  
Ion Ratio Lower Upper  
278 100  
139 9.7 9.8 14.6#  
279 24.0 18.4 27.6







#91

Benzo(a,h,i)perylene

Concen: 45.213 ng

RT: 30.77 min Scan# 4678

Delta R.T. -0.01 min

Lab File: BG031686.D

Acq: 21 Dec 2017 23:06

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1755594

Ion Ratio Lower Upper

276 100

277 23.0 18.3 27.5

138 11.7 13.9 20.9#

