

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\  
 Data File : BG026668.D  
 Acq On : 19 Apr 2017 22:50  
 Operator : SJ/MA  
 Sample : I2718-02MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 20 01:05:46 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 180637   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.83 | 136  | 824370   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.64 | 164  | 535549   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.37 | 188  | 1257216  | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.62 | 240  | 1289437  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.79 | 264  | 1297273  | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.62  | 112 | 1467420 | 147.68 | ng | 0.00  |
| 7) Phenol-d6                | 7.23  | 99  | 1960131 | 150.54 | ng | 0.03  |
| 23) Nitrobenzene-d5         | 9.19  | 82  | 1086502 | 91.96  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330 | 995087  | 133.35 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 13.27 | 172 | 2966272 | 82.49  | ng | -0.02 |
| 78) Terphenyl-d14           | 19.97 | 244 | 3883866 | 88.92  | ng | -0.02 |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.49  | 88  | 135736  | 26.12 | ng | # 75   |
| 3) Pyridine                    | 3.90  | 79  | 432817  | 37.21 | ng | # 61   |
| 4) n-Nitrosodimethylamine      | 3.80  | 42  | 137699  | 40.70 | ng | # 1    |
| 6) Aniline                     | 7.36  | 93  | 632370  | 38.89 | ng | # 87   |
| 8) 2-Chlorophenol              | 7.61  | 128 | 590562  | 49.81 | ng | # 78   |
| 9) Benzaldehyde                | 7.17  | 77  | 90570   | 10.27 | ng | # 68   |
| 10) Phenol                     | 7.26  | 94  | 700516  | 49.45 | ng | # 70   |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93  | 530471  | 47.04 | ng | # 80   |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 559840  | 40.06 | ng | # 85   |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146 | 570257  | 40.17 | ng | # 94   |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 557889  | 41.60 | ng | # 90   |
| 15) Benzyl Alcohol             | 8.28  | 79  | 465005  | 57.11 | ng | # 74   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45  | 482057  | 44.18 | ng | 77     |
| 17) 2-Methylphenol             | 8.50  | 107 | 524621  | 52.85 | ng | # 81   |
| 18) Hexachloroethane           | 9.11  | 117 | 179356  | 40.05 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 385212  | 47.72 | ng | # 72   |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 731632  | 53.64 | ng | 87     |
| 22) Acetophenone               | 8.85  | 105 | 815381  | 43.28 | ng | # 74   |
| 24) Nitrobenzene               | 9.23  | 77  | 562385  | 44.95 | ng | # 72   |
| 25) Isophorone                 | 9.75  | 82  | 1123938 | 46.40 | ng | # 89   |
| 26) 2-Nitrophenol              | 9.95  | 139 | 353158  | 46.59 | ng | # 61   |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 622583  | 50.89 | ng | # 83   |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 727890  | 45.98 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 677387  | 52.95 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180 | 608235  | 42.65 | ng | 100    |
| 31) Naphthalene                | 10.88 | 128 | 1753832 | 43.35 | ng | 100    |
| 32) Benzoic acid               | 10.19 | 122 | 437583  | 50.44 | ng | # 70   |
| 33) 4-Chloroaniline            | 11.00 | 127 | 469622  | 27.06 | ng | # 80   |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 336559  | 41.27 | ng | 97     |
| 35) Caprolactam                | 11.77 | 113 | 221478  | 44.58 | ng | # 51   |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 684956  | 53.15 | ng | # 73   |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 1412175 | 45.35 | ng | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 682650  | 41.38 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.83 | 237 | 679449  | 81.51 | ng | 95     |

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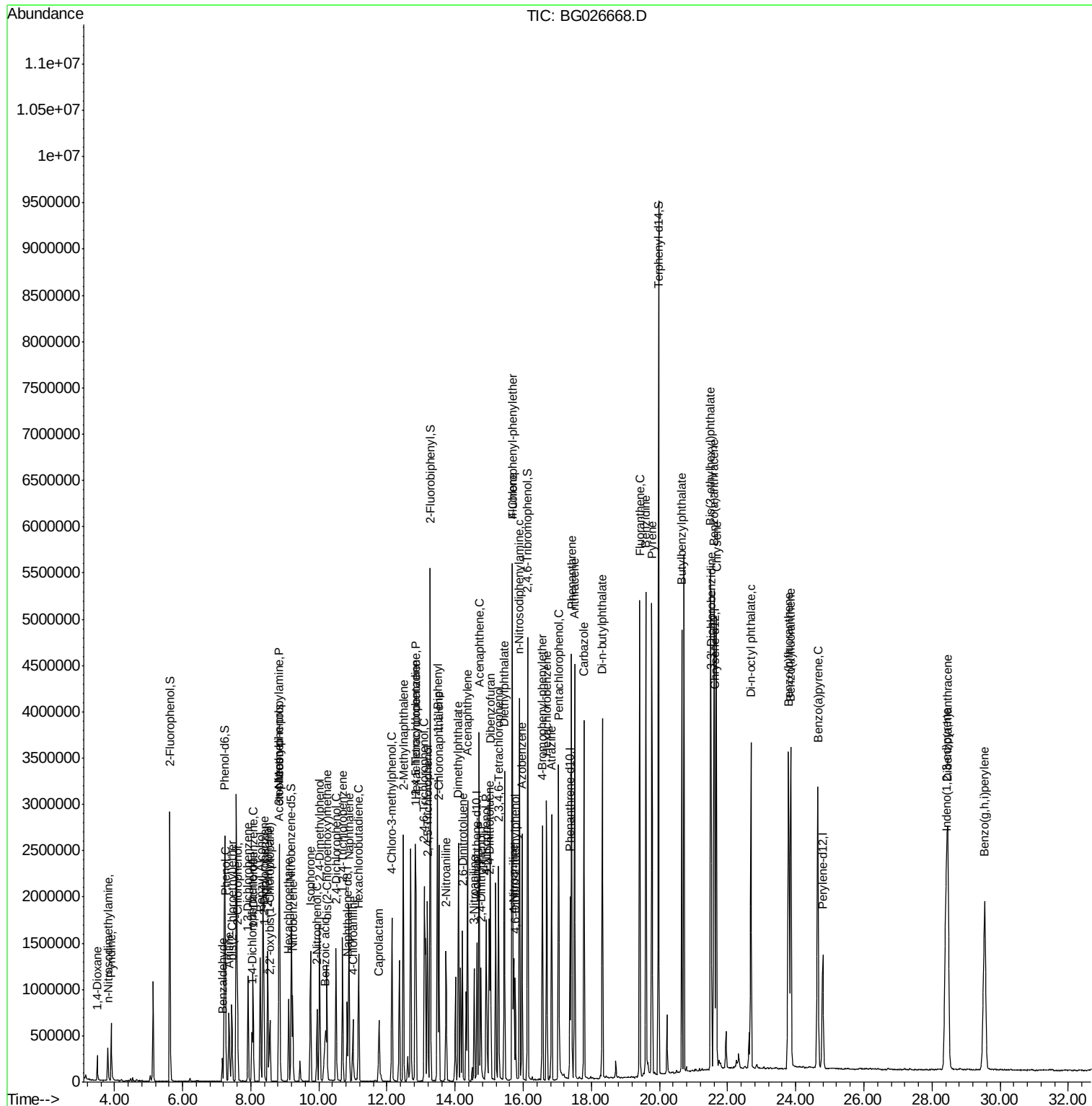
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.10 | 196  | 569783   | 48.51 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.18 | 196  | 603427   | 48.58 | nq    | # 90     |
| 45) 1,1'-Biphenyl              | 13.48 | 154  | 1840190  | 42.28 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.53 | 162  | 1430267  | 43.37 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.73 | 65   | 420921   | 49.97 | nq    | # 55     |
| 48) Acenaphthylene             | 14.37 | 152  | 2341336  | 44.15 | nq    | 97       |
| 49) Dimethylphthalate          | 14.10 | 163  | 1910014  | 45.05 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.22 | 165  | 477076   | 48.12 | nq    | # 55     |
| 51) Acenaphthene               | 14.71 | 154  | 1484821  | 43.99 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.56 | 138  | 427828   | 39.57 | nq    | # 62     |
| 53) 2,4-Dinitrophenol          | 14.76 | 184  | 400494   | 69.34 | nq    | # 75     |
| 54) Dibenzofuran               | 15.04 | 168  | 2288502  | 43.50 | nq    | 91       |
| 55) 4-Nitrophenol              | 14.91 | 139  | 697911   | 76.46 | nq    | # 40     |
| 56) 2,4-Dinitrotoluene         | 15.00 | 165  | 663350   | 47.12 | nq    | # 68     |
| 57) Fluorene                   | 15.68 | 166  | 1920469  | 44.33 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 555085   | 43.94 | nq    | # 97     |
| 59) Diethylphthalate           | 15.45 | 149  | 1914042  | 44.41 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204  | 975433   | 45.12 | nq    | 90       |
| 61) 4-Nitroaniline             | 15.72 | 138  | 506512   | 43.92 | nq    | # 51     |
| 62) Azobenzene                 | 15.96 | 77   | 1524606  | 45.84 | nq    | 76       |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 352947   | 41.57 | nq    | 85       |
| 65) n-Nitrosodiphenylamine     | 15.89 | 169  | 1755961  | 48.42 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 672430   | 48.95 | nq    | 92       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 710144   | 47.02 | nq    | 90       |
| 68) Atrazine                   | 16.83 | 200  | 615272   | 43.39 | nq    | 98       |
| 69) Pentachlorophenol          | 17.04 | 266  | 788008   | 86.37 | nq    | 98       |
| 70) Phenanthrene               | 17.42 | 178  | 2887071  | 44.60 | nq    | 98       |
| 71) Anthracene                 | 17.51 | 178  | 2986540  | 44.65 | nq    | 95       |
| 72) Carbazole                  | 17.78 | 167  | 2677040  | 41.79 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.32 | 149  | 3071398  | 42.76 | nq    | # 95     |
| 74) Fluoranthene               | 19.42 | 202  | 3152977  | 42.01 | nq    | 95       |
| 76) Benzidine                  | 19.60 | 184  | 3295792  | 90.69 | nq    | 95       |
| 77) Pyrene                     | 19.78 | 202  | 3144305  | 45.29 | nq    | 95       |
| 79) Butylbenzylphthalate       | 20.65 | 149  | 1432854  | 47.97 | nq    | # 84     |
| 80) Benzo(a)anthracene         | 21.60 | 228  | 3177670  | 45.63 | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 1104253  | 38.23 | nq    | 99       |
| 82) Chrysene                   | 21.67 | 228  | 2934951  | 45.80 | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 2028838  | 47.13 | nq    | 95       |
| 84) Di-n-octyl phthalate       | 22.68 | 149  | 3398985  | 47.29 | nq    | # 82     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.41 | 276  | 4162641  | 47.38 | nq    | # 95     |
| 87) Benzo(b)fluoranthene       | 23.78 | 252  | 3452407  | 46.48 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 23.85 | 252  | 3274434  | 45.74 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 24.65 | 252  | 3331737  | 46.46 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 28.46 | 278  | 3521584  | 47.81 | nq    | # 92     |
| 91) Benzo(g,h,i)perylene       | 29.55 | 276  | 3483620  | 47.30 | nq    | # 87     |

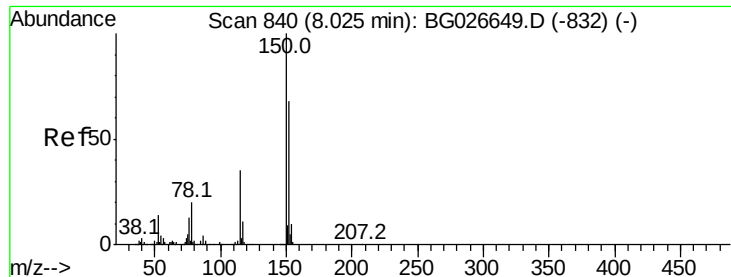
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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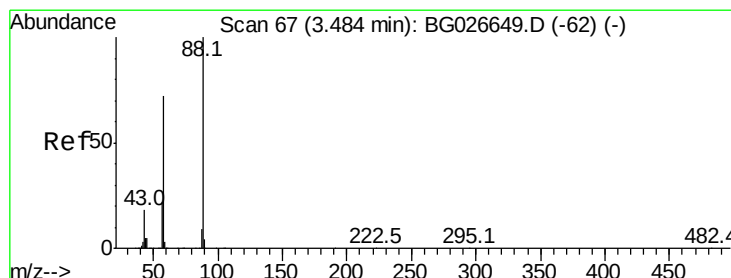
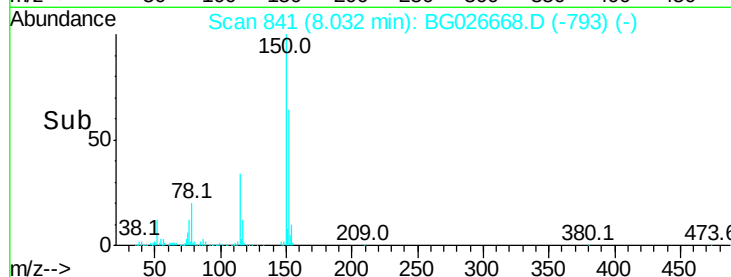
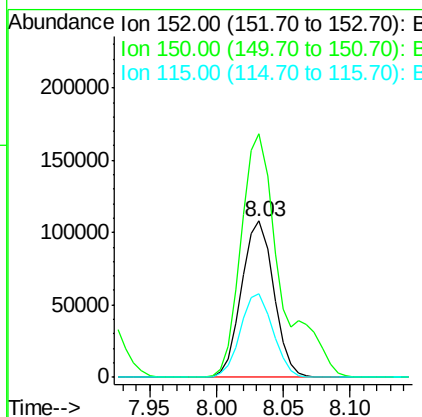
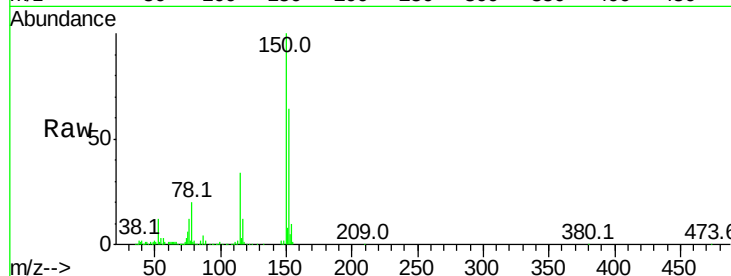


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 841  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Instrument :  
BNA\_G  
ClientSampled :

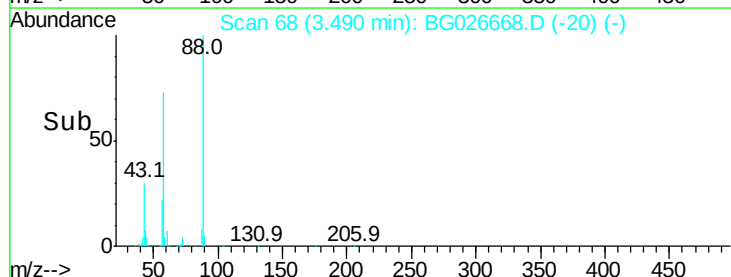
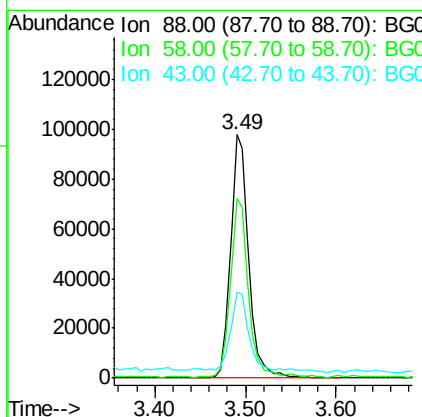
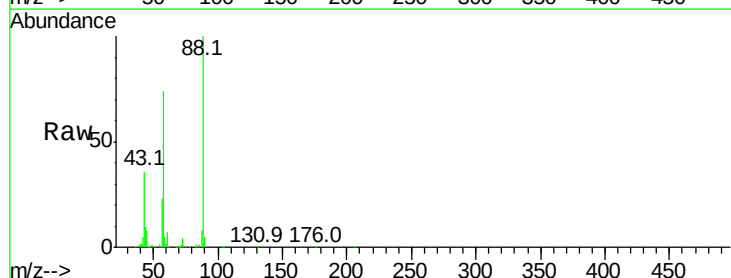
Tot Ion:152 Resp: 180637  
Ion Ratio Lower Upper  
152 100  
150 155.9 114.0 171.0  
115 53.2 48.1 72.1

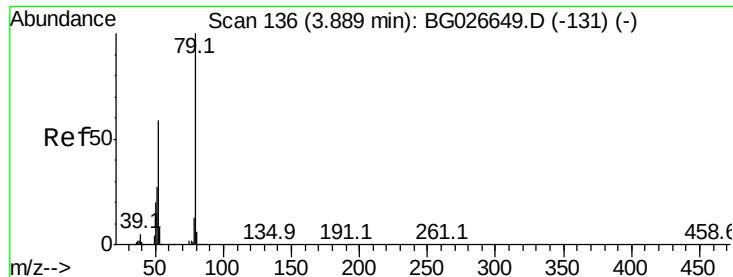


#2

1,4-Dioxane  
Concen: 26.12 ng  
RT: 3.49 min Scan# 68  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion: 88 Resp: 135736  
Ion Ratio Lower Upper  
88 100  
58 71.7 79.4 119.2#  
43 30.9 33.8 50.6#





#3

Pvridine

Concen: 37.21 ng

RT: 3.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

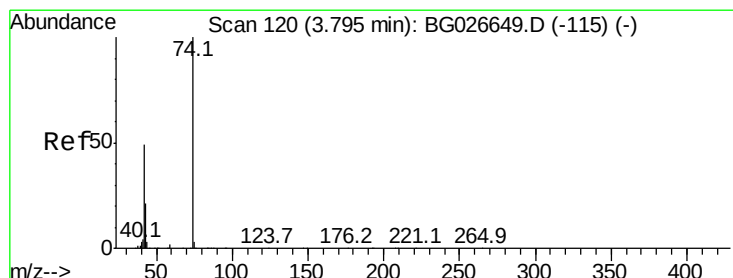
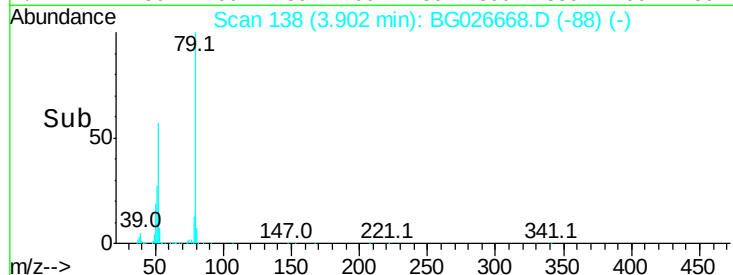
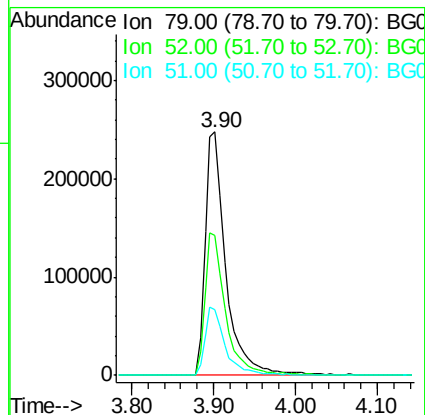
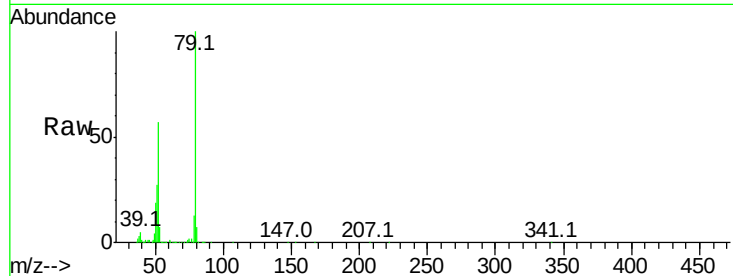
Tot Ion: 79 Resp: 432817

Ion Ratio Lower Upper

79 100

52 57.4 77.8 116.6#

51 27.1 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 40.70 ng

RT: 3.80 min Scan# 121

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

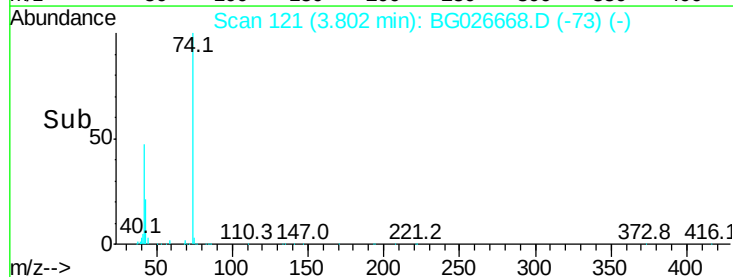
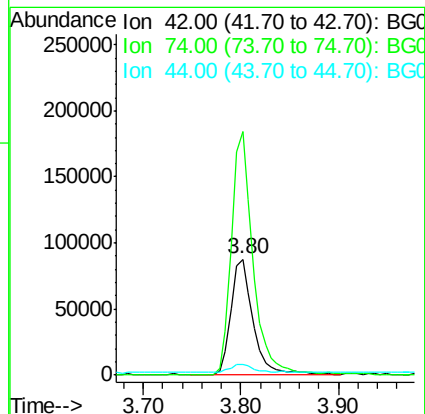
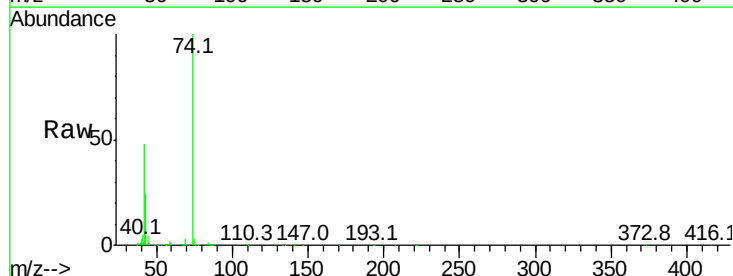
Tgt Ion: 42 Resp: 137699

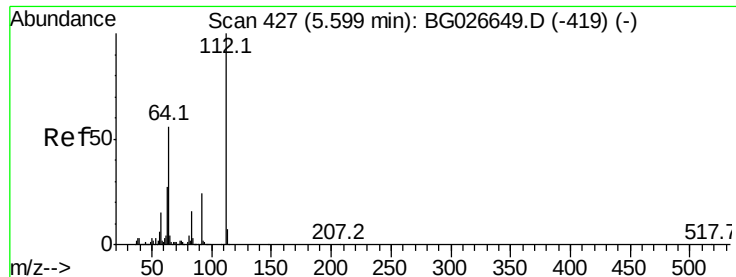
Ion Ratio Lower Upper

42 100

74 210.2 76.7 115.1#

44 9.0 6.1 9.1





#5

2-Fluorophenol

Concen: 147.68 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

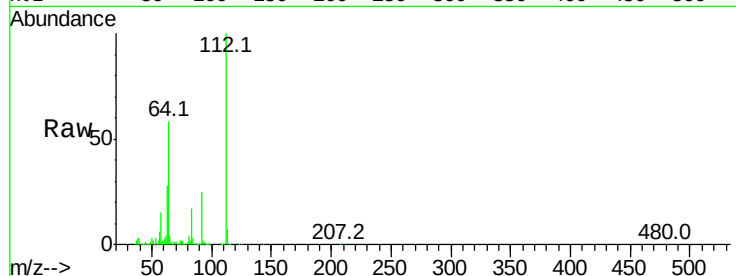
Tot Ion:112 Resp: 1467420

Ion Ratio Lower Upper

112 100

64 57.6 61.8 92.6#

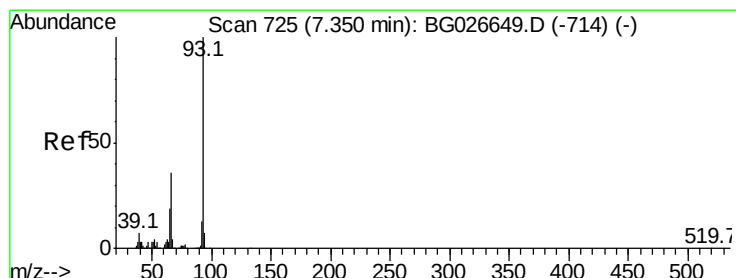
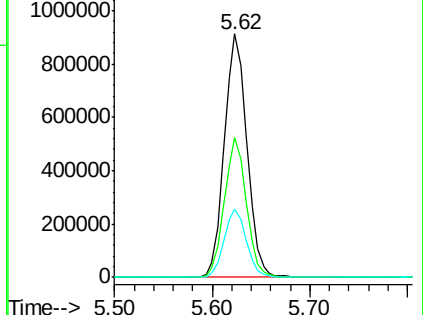
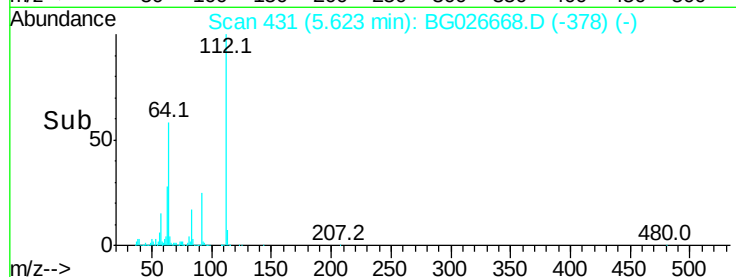
63 27.8 37.2 55.8#



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



#6

Aniline

Concen: 38.89 ng

RT: 7.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

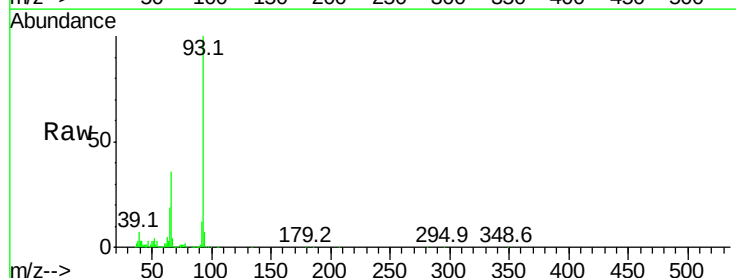
Tgt Ion: 93 Resp: 632370

Ion Ratio Lower Upper

93 100

66 35.9 35.4 53.2

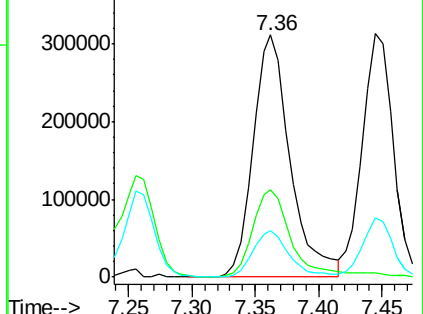
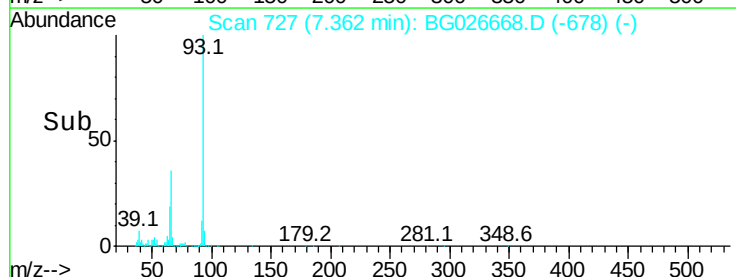
65 19.1 21.2 31.8#

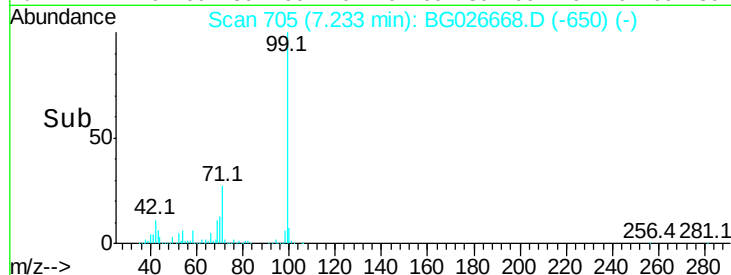
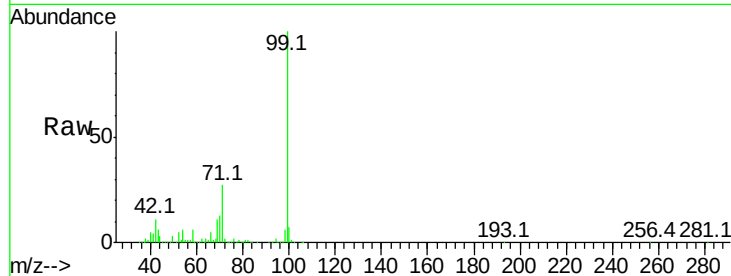
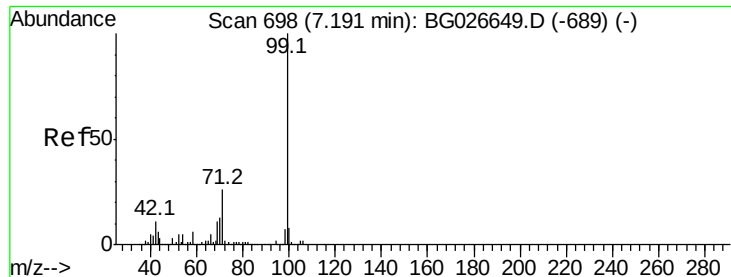


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 150.54 ng

RT: 7.23 min Scan# 705

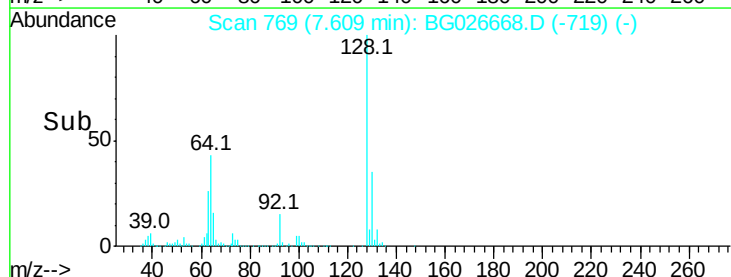
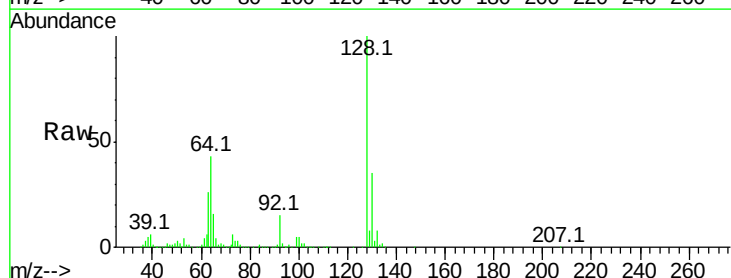
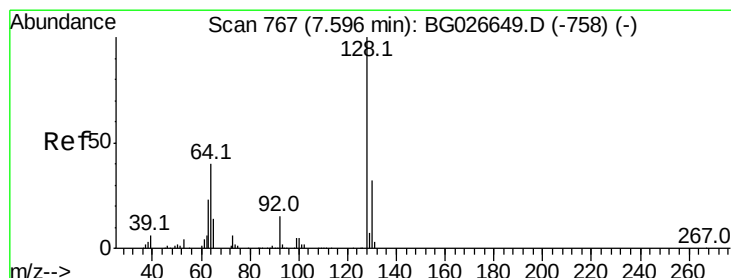
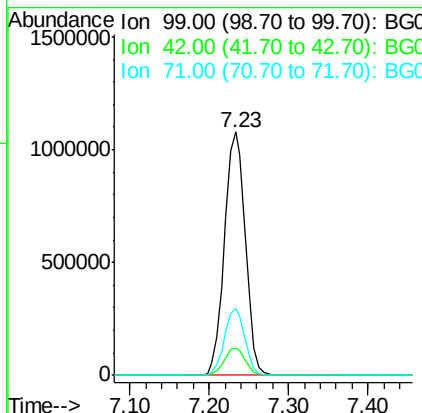
Delta R.T. 0.03 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Tot Ion: 99 Resp: 1960131

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.3  | 20.5  | 30.7# |
| 71  | 27.4  | 37.6  | 56.4# |



#8

2-Chlorophenol

Concen: 49.81 ng

RT: 7.61 min Scan# 769

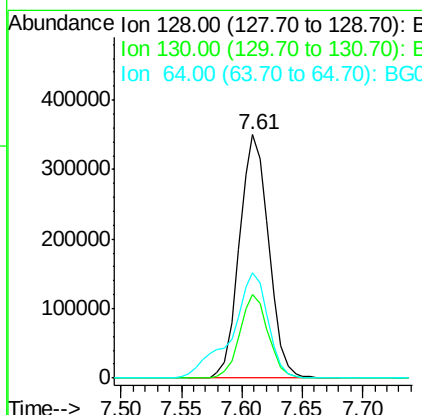
Delta R.T. -0.00 min

Lab File: BG026668.D

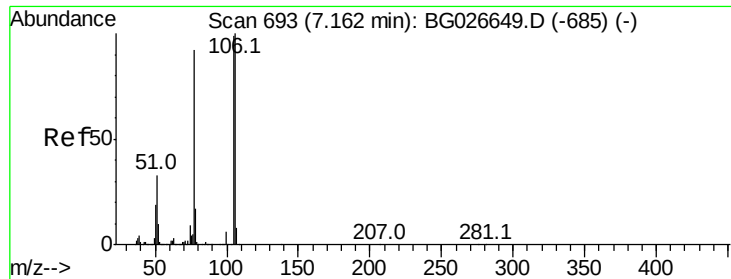
Acq: 19 Apr 2017 22:50

Tgt Ion: 128 Resp: 590562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.5  | 11.4  | 51.4  |
| 64  | 43.1  | 46.6  | 86.6# |







#9

Benzaldehyde

Concen: 10.27 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

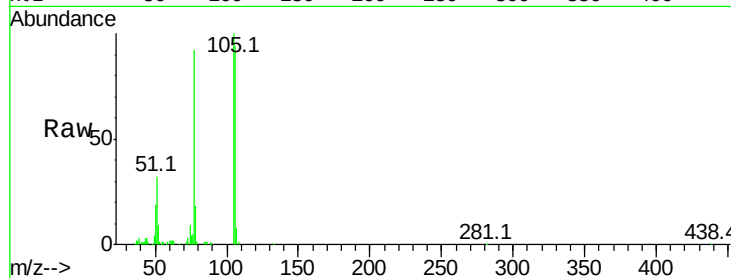
Tot Ion: 77 Resp: 90570

Ion Ratio Lower Upper

77 100

105 109.0 60.9 100.9#

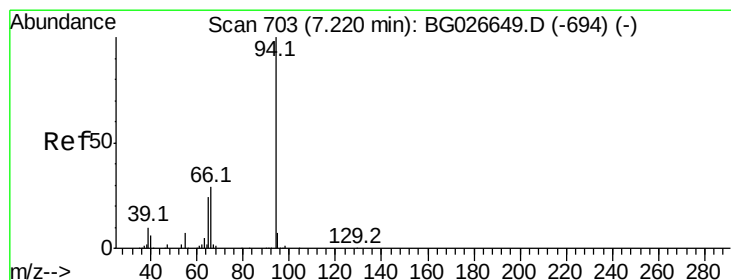
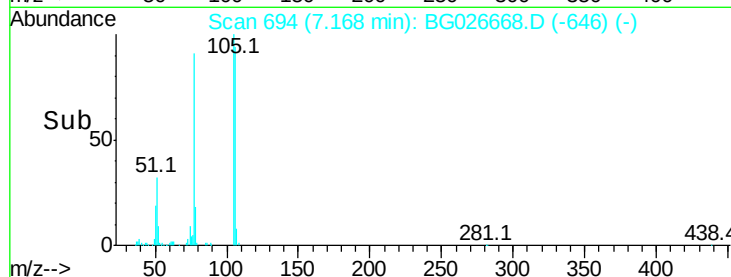
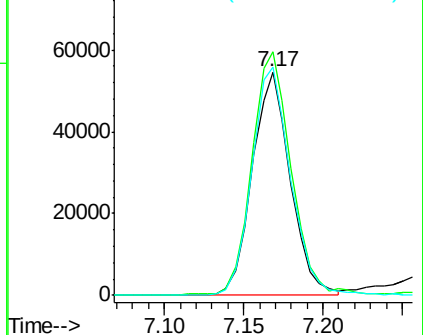
106 102.5 55.1 95.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 49.45 ng

RT: 7.26 min Scan# 709

Delta R.T. 0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

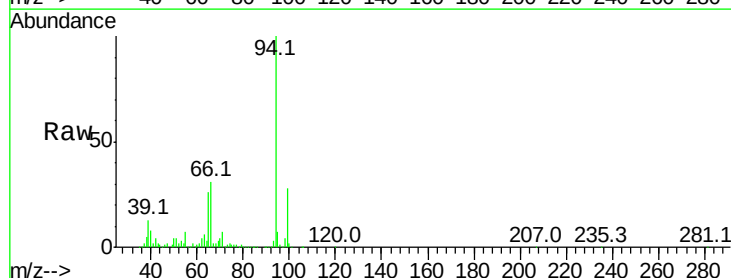
Tgt Ion: 94 Resp: 700516

Ion Ratio Lower Upper

94 100

65 26.1 20.6 60.6

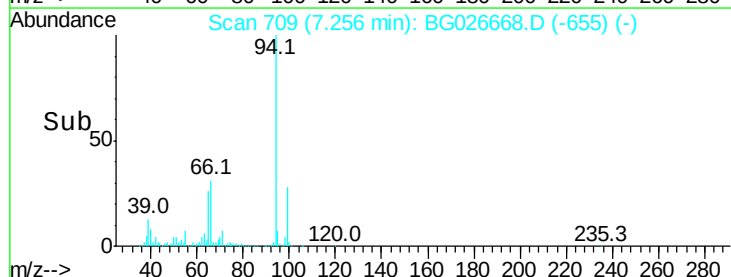
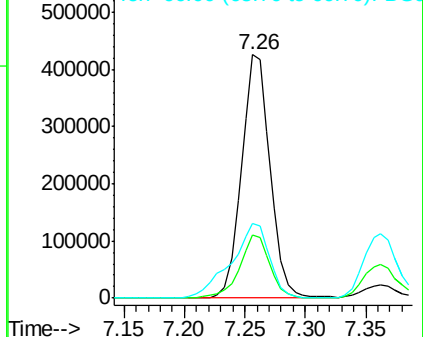
66 30.7 35.5 75.5#



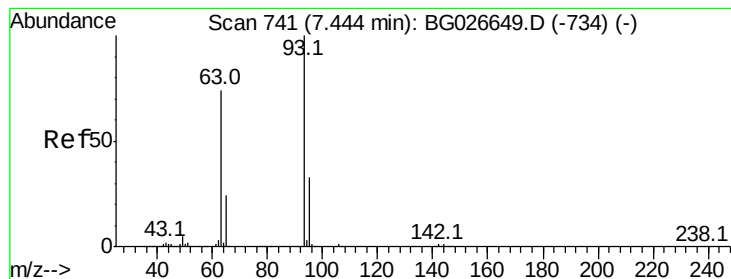
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



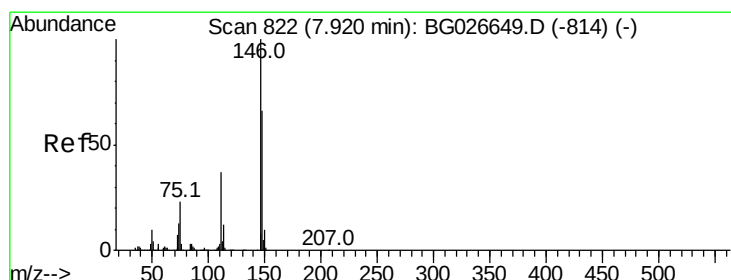
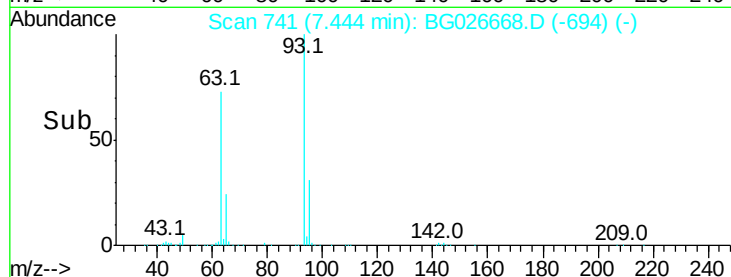
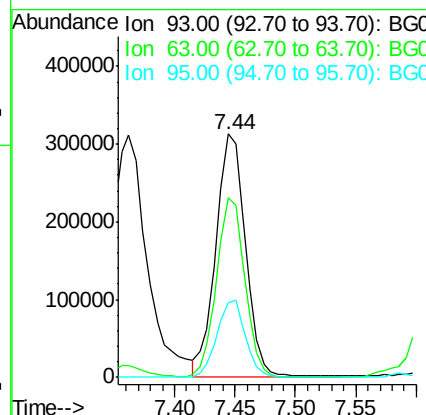
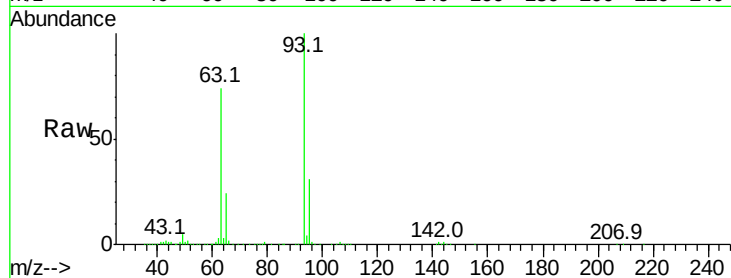




#11  
bis(2-Chloroethyl)ether  
Concen: 47.04 ng  
RT: 7.44 min Scan# 741  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

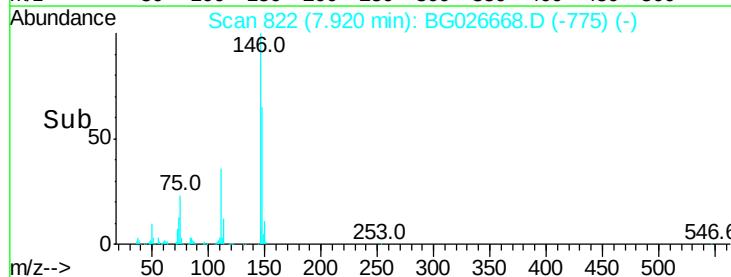
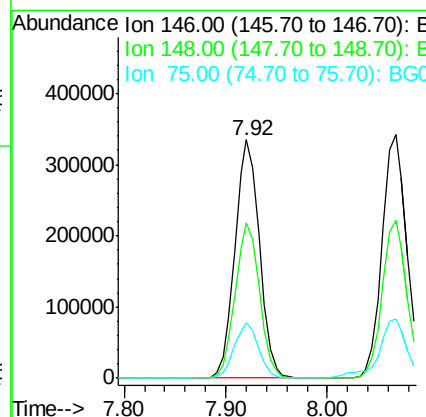
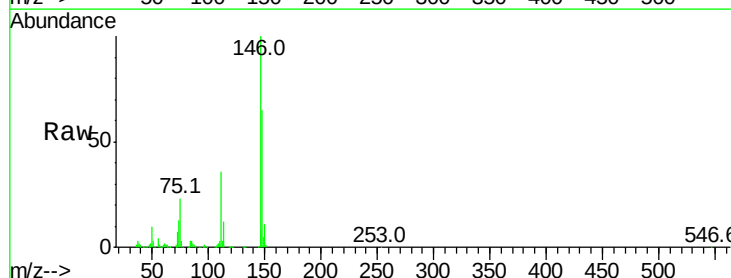
Instrument :  
BNA\_G  
ClientSampleId :

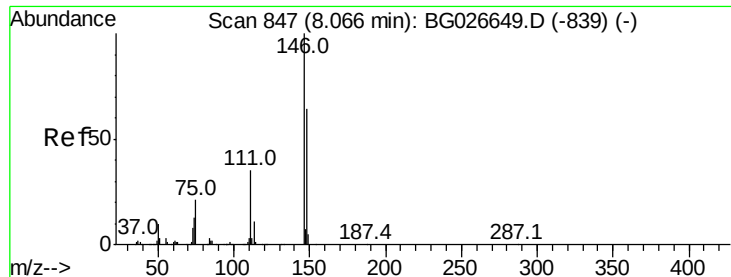
Tot Ion: 93 Resp: 530471  
Ion Ratio Lower Upper  
93 100  
63 73.8 78.5 118.5#  
95 30.8 9.8 49.8



#12  
1,3-Dichlorobenzene  
Concen: 40.06 ng  
RT: 7.92 min Scan# 822  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion: 146 Resp: 559840  
Ion Ratio Lower Upper  
146 100  
148 65.1 49.2 73.8  
75 23.0 33.4 50.2#





#13

1,4-Dichlorobenzene

Concen: 40.17 ng

RT: 8.07 min Scan# 847

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

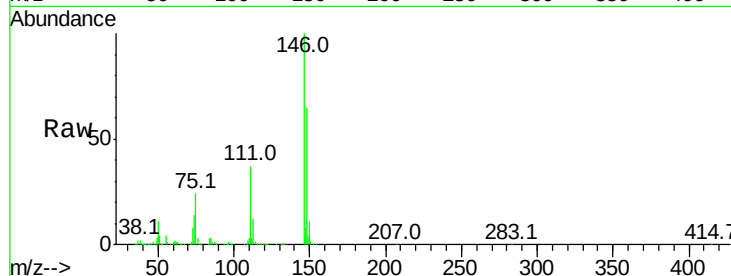
Tot Ion:146 Resp: 570257

Ion Ratio Lower Upper

146 100

148 65.0 52.2 78.2

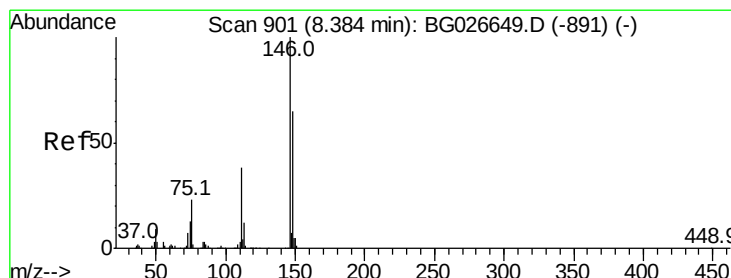
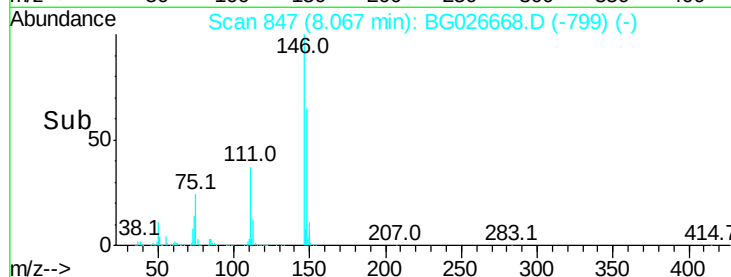
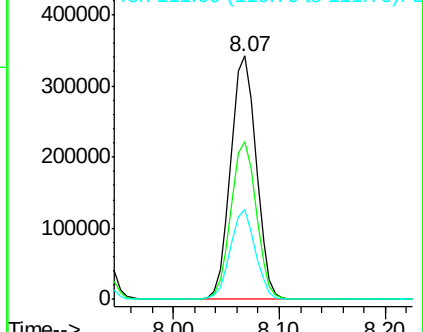
111 36.9 37.0 55.6#



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: 41.60 ng

RT: 8.38 min Scan# 901

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

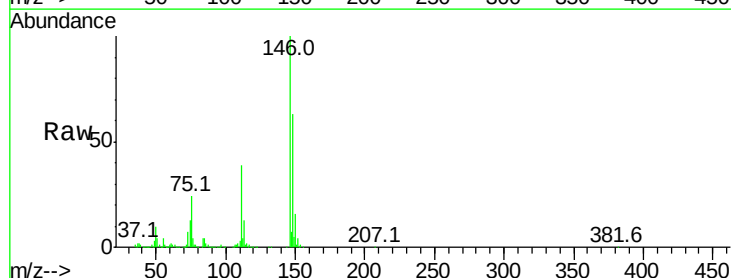
Tgt Ion:146 Resp: 557889

Ion Ratio Lower Upper

146 100

148 63.3 54.6 81.8

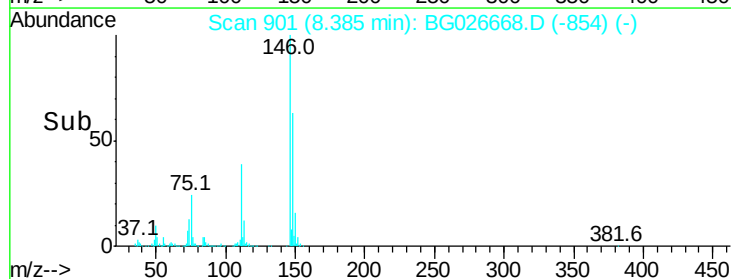
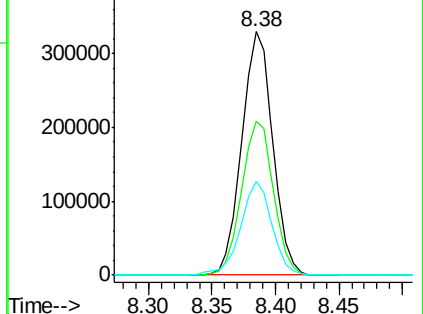
111 38.6 39.7 59.5#

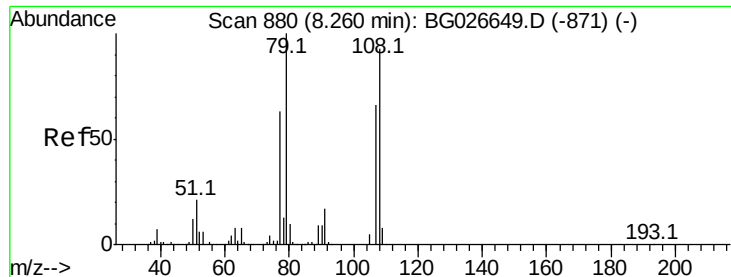


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 57.11 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

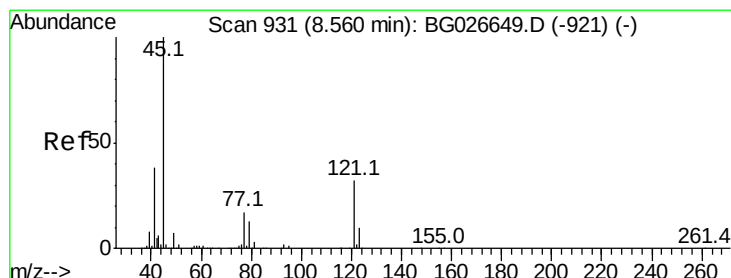
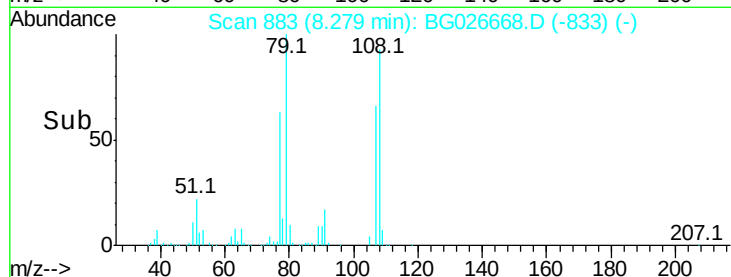
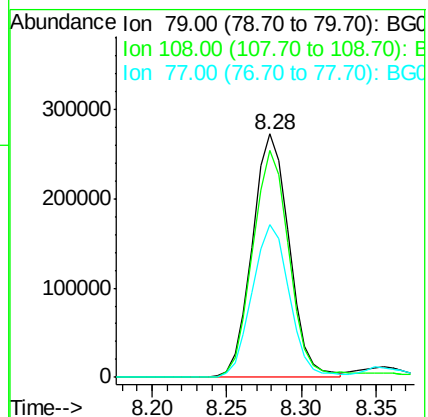
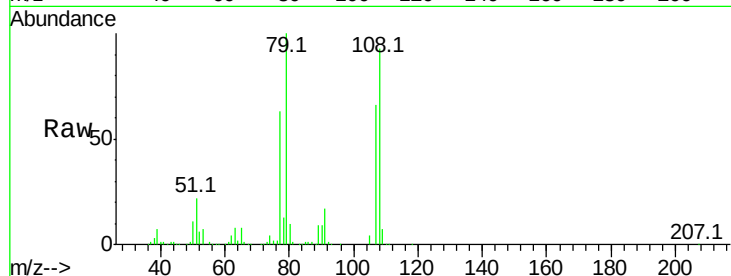
Tot Ion: 79 Resp: 465005

Ion Ratio Lower Upper

79 100

108 93.3 45.5 68.3#

77 62.8 54.3 81.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.18 ng

RT: 8.56 min Scan# 931

Delta R.T. -0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

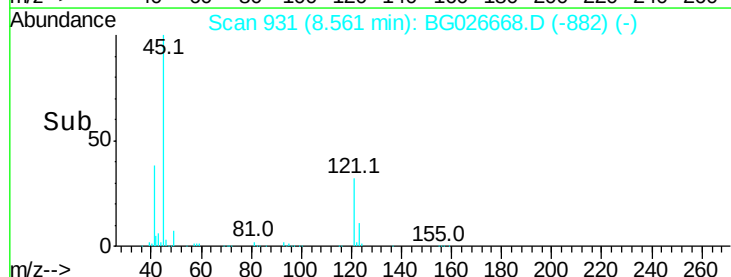
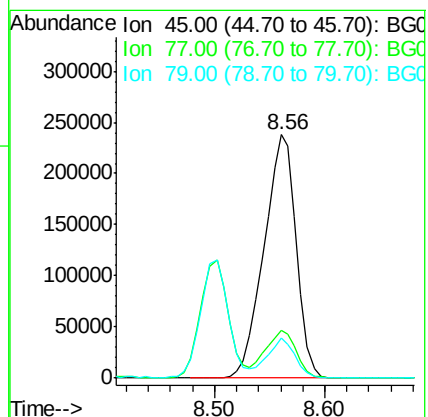
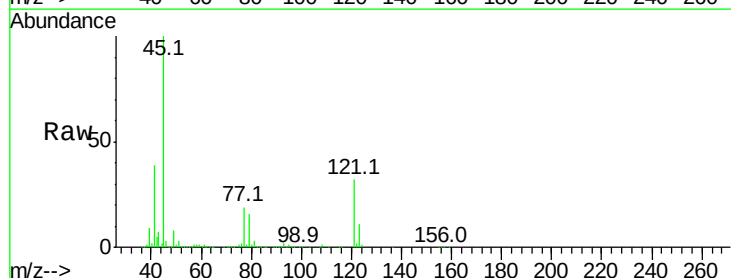
Tgt Ion: 45 Resp: 482057

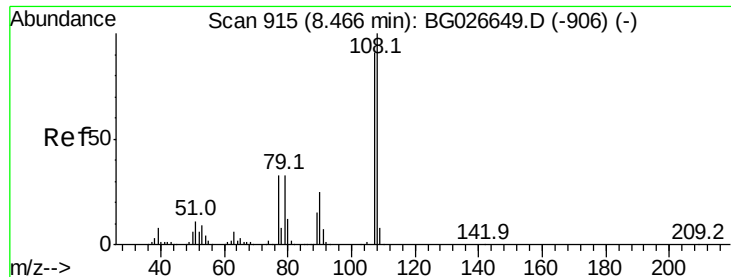
Ion Ratio Lower Upper

45 100

77 19.4 0.0 30.6

79 16.5 0.0 28.5

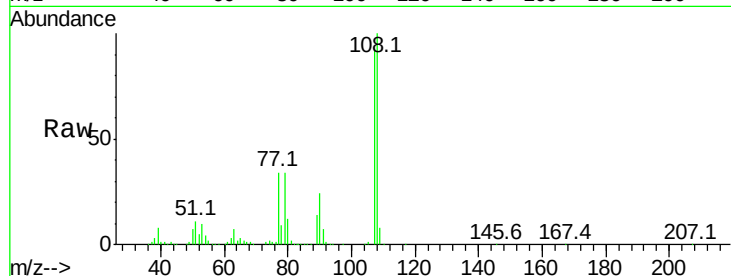




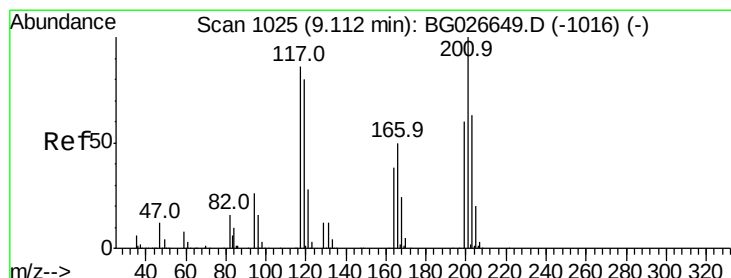
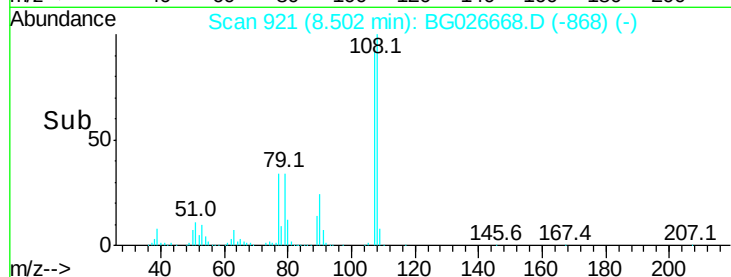
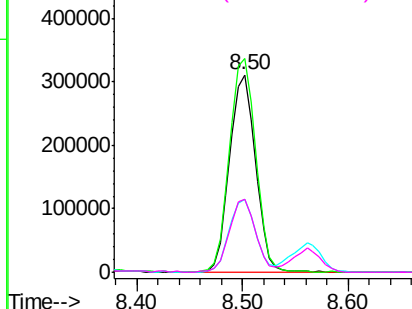
#17  
2-Methylphenol  
Concen: 52.85 ng  
RT: 8.50 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:107 Resp: 524621  
Ion Ratio Lower Upper  
107 100  
108 108.3 85.6 128.4  
77 37.3 51.4 77.2#  
79 37.0 49.2 73.8#

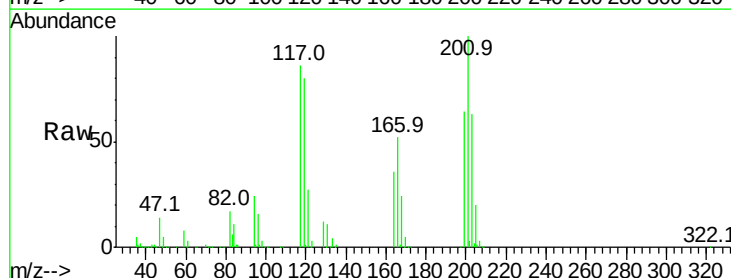


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

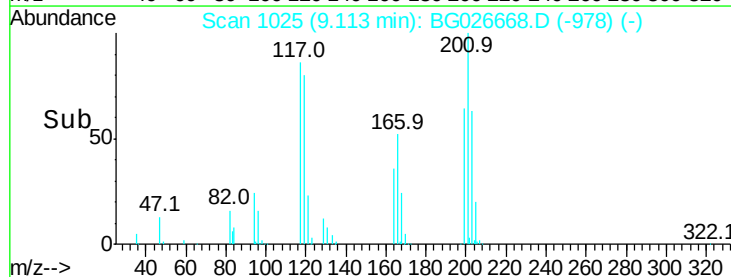
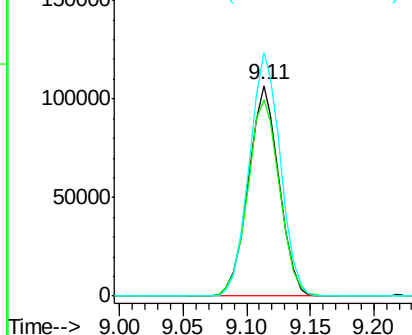


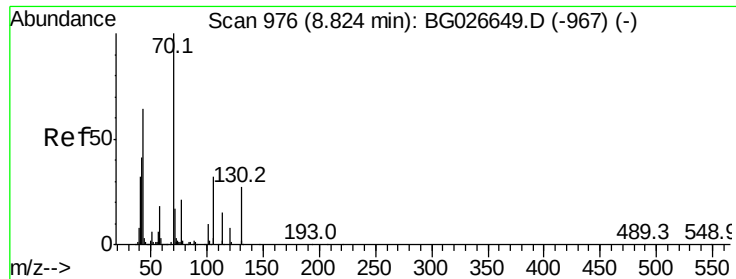
#18  
Hexachloroethane  
Concen: 40.05 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:117 Resp: 179356  
Ion Ratio Lower Upper  
117 100  
119 93.0 69.8 104.6  
201 115.6 95.4 143.0



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

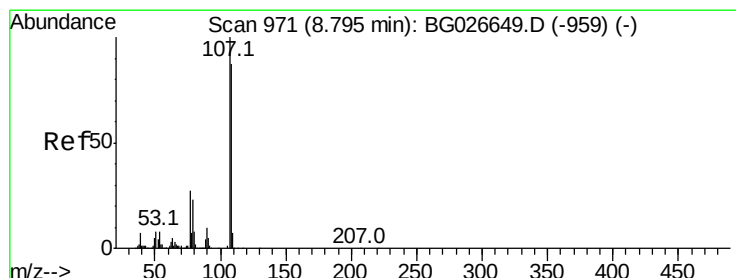
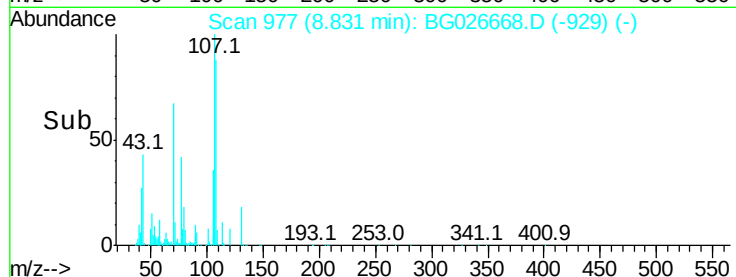
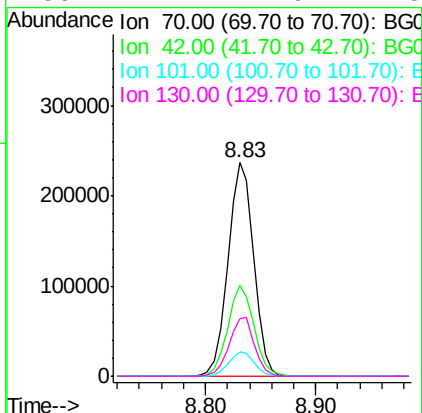
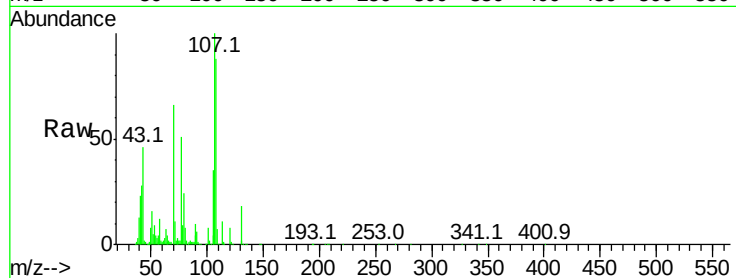




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.72 ng  
RT: 8.83 min Scan# 977  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

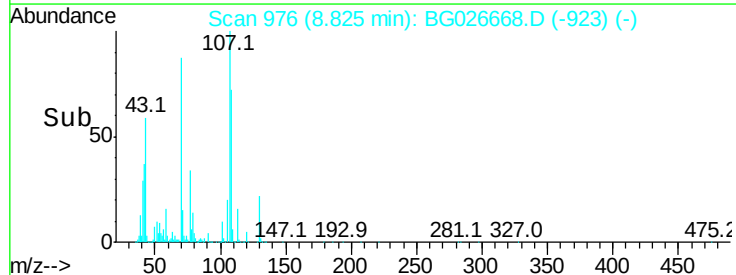
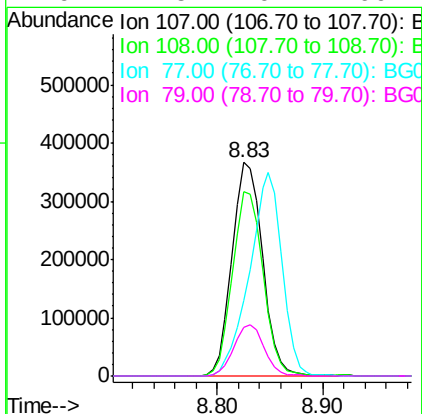
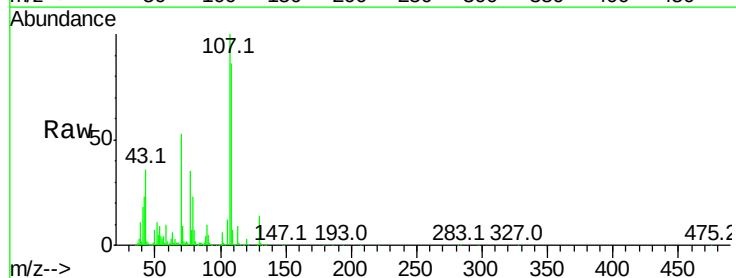
Instrument :  
BNA\_G  
ClientSampleId :

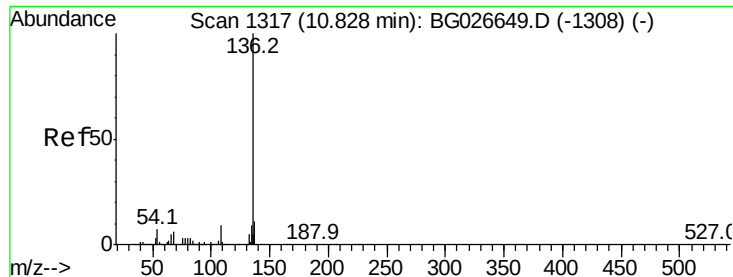
Tot Ion: 70 Resp: 385212  
Ion Ratio Lower Upper  
70 100  
42 42.6 56.1 84.1#  
101 11.4 7.5 11.3#  
130 27.2 14.6 21.8#



#20  
3+4-Methylphenols  
Concen: 53.64 ng  
RT: 8.83 min Scan# 976  
Delta R.T. 0.01 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion: 107 Resp: 731632  
Ion Ratio Lower Upper  
107 100  
108 86.2 70.8 110.8  
77 35.3 25.8 65.8  
79 22.5 20.1 60.1

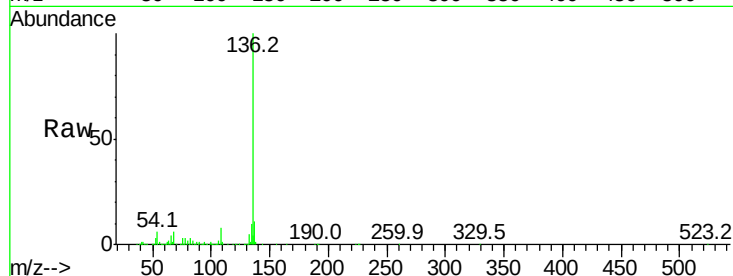




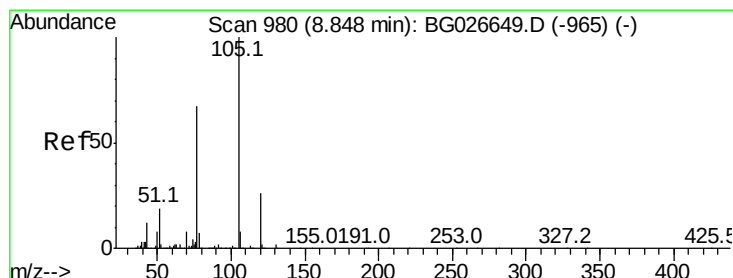
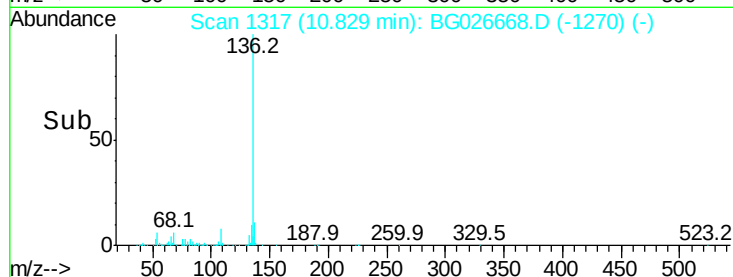
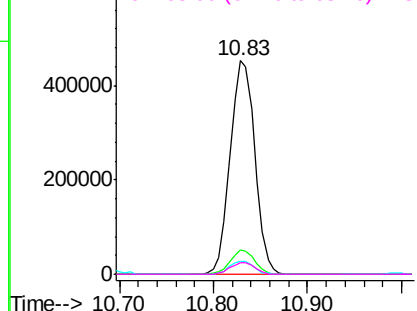
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.83 min Scan# 1317  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion:136 | Resp: | 824370      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.4  | 8.9 13.3    |
| 54          | 6.2   | 9.3 13.9#   |
| 68          | 5.5   | 5.1 7.7     |

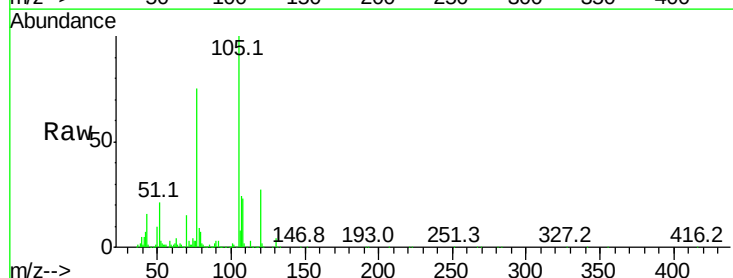


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

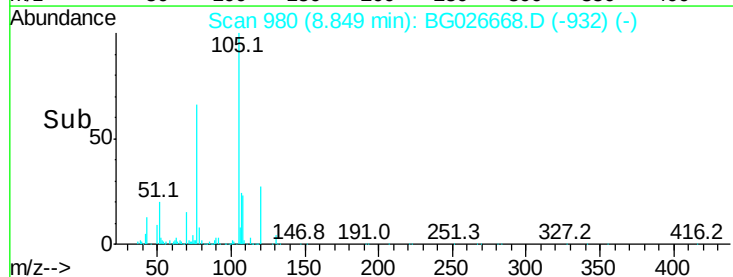
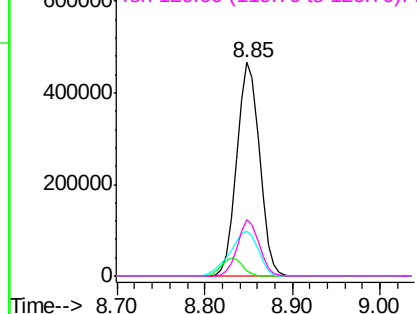


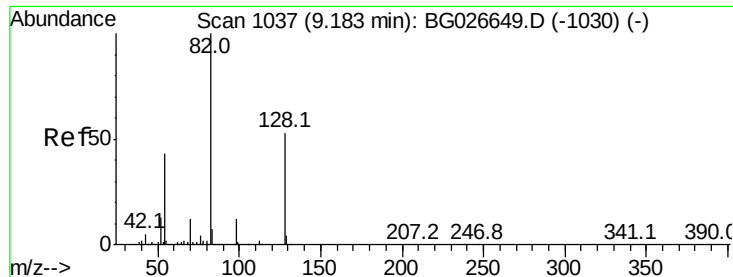
#22  
Acetophenone  
Concen: 43.28 ng  
RT: 8.85 min Scan# 980  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

| Tgt Ion:105 | Resp: | 815381      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 2.6   | 0.9 1.3#    |
| 51          | 21.0  | 34.0 51.0#  |
| 120         | 26.5  | 17.3 25.9#  |



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: 91.96 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

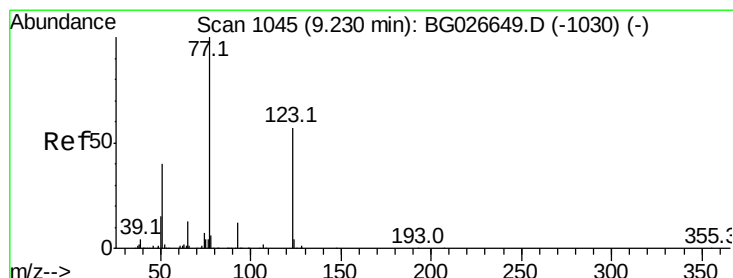
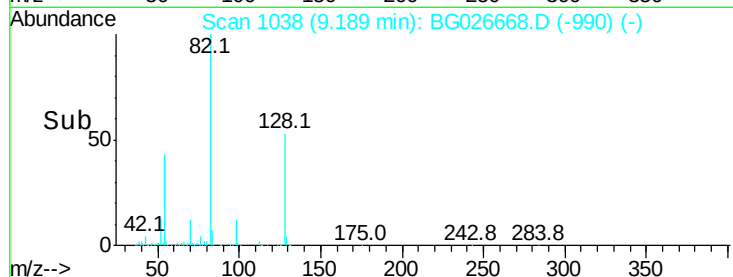
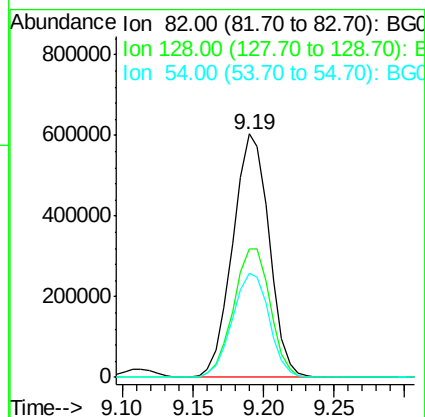
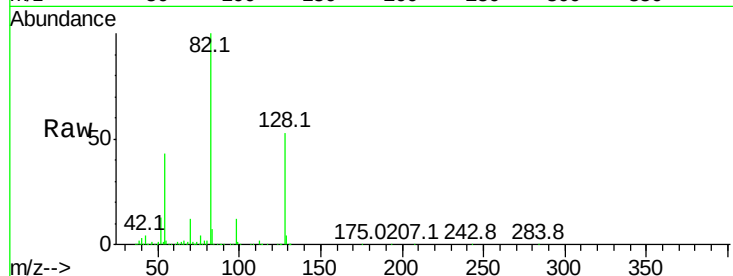
Tot Ion: 82 Resp: 1086502

Ion Ratio Lower Upper

82 100

128 53.0 26.4 39.6#

54 42.9 49.4 74.2#



#24

Nitrobenzene

Concen: 44.95 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

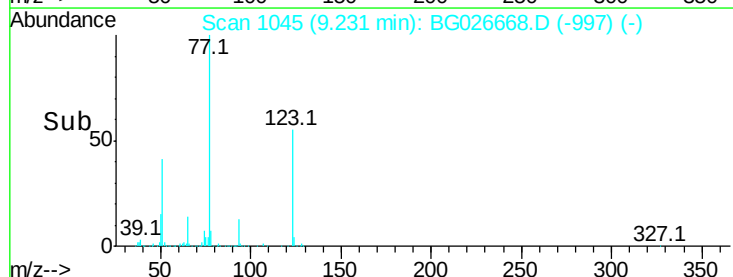
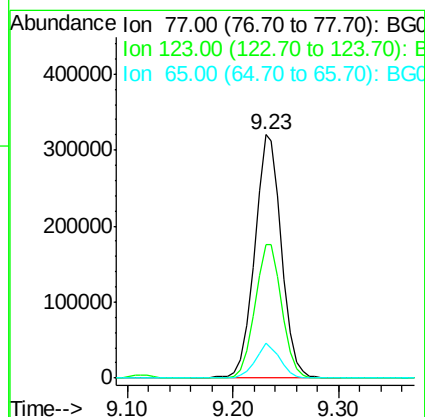
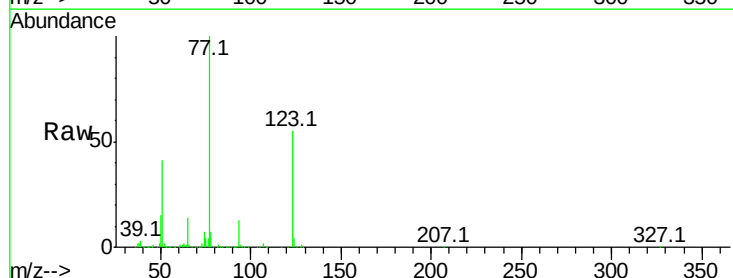
Tgt Ion: 77 Resp: 562385

Ion Ratio Lower Upper

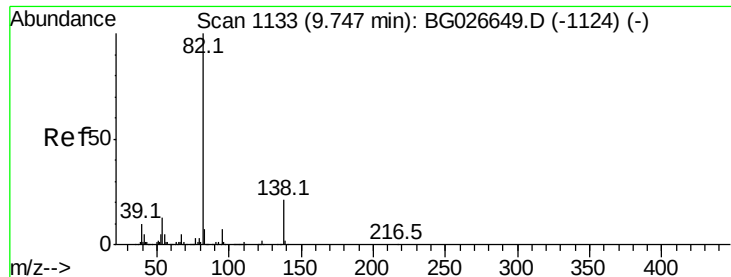
77 100

123 54.9 26.1 39.1#

65 14.1 12.4 18.6







#25

Isophorone

Concen: 46.40 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

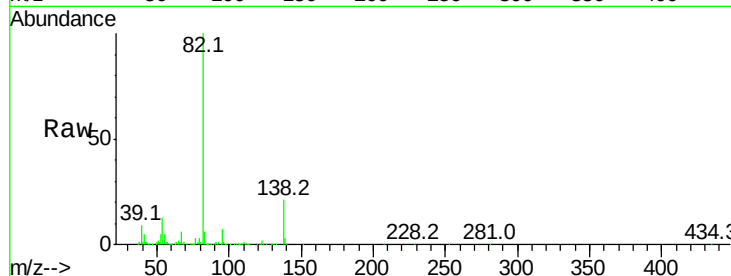
Tot Ion: 82 Resp: 1123938

Ion Ratio Lower Upper

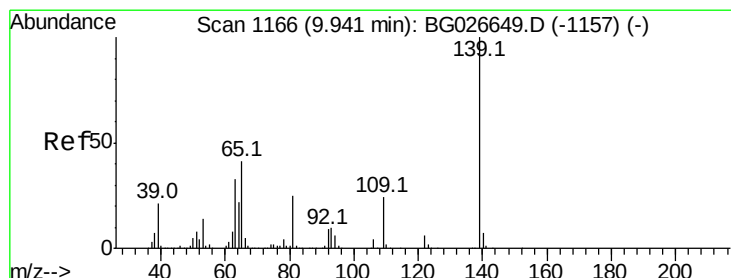
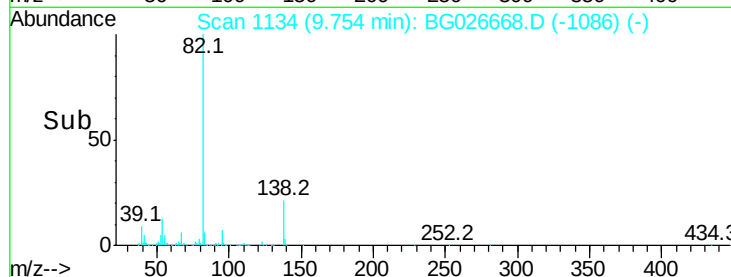
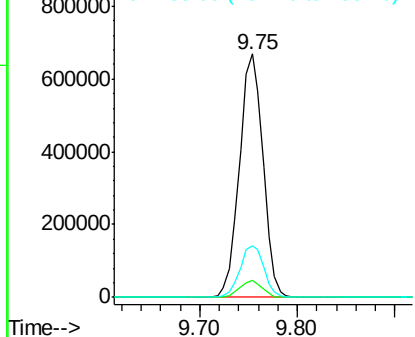
82 100

95 6.7 7.5 11.3#

138 21.2 12.3 18.5#



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



#26

2-Nitrophenol

Concen: 46.59 ng

RT: 9.95 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

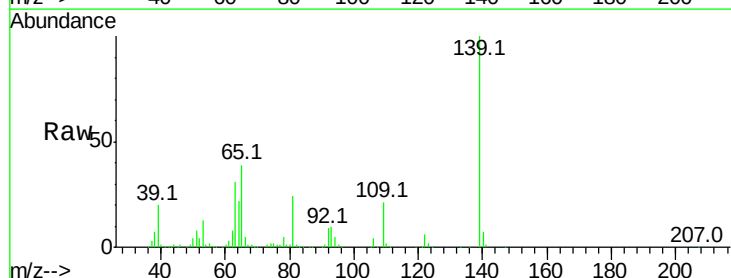
Tgt Ion: 139 Resp: 353158

Ion Ratio Lower Upper

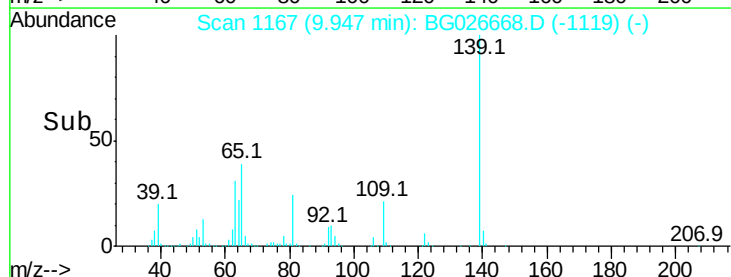
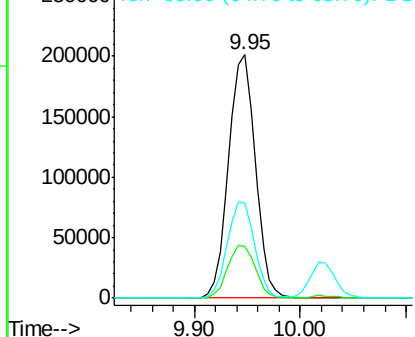
139 100

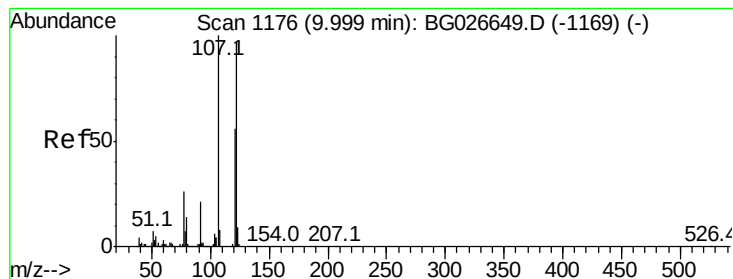
109 21.3 38.6 58.0#

65 38.8 57.1 85.7#



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





#27

2,4-Dimethylphenol

Concen: 50.89 ng

RT: 10.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

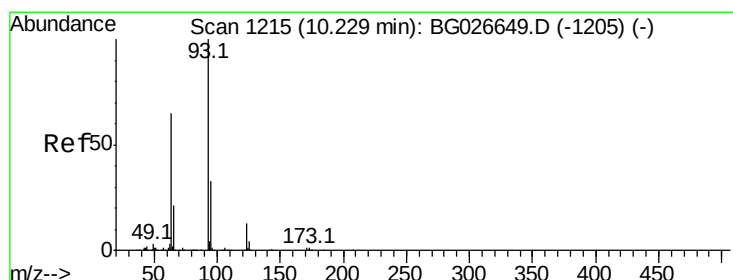
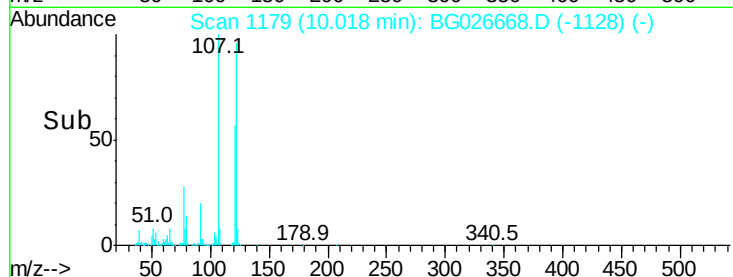
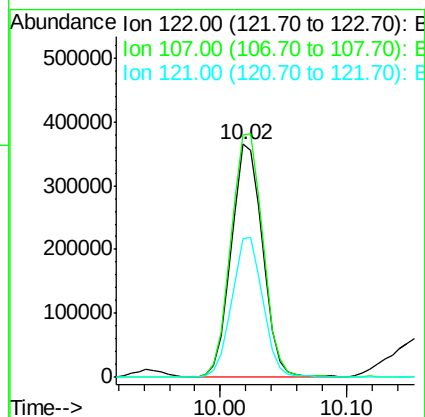
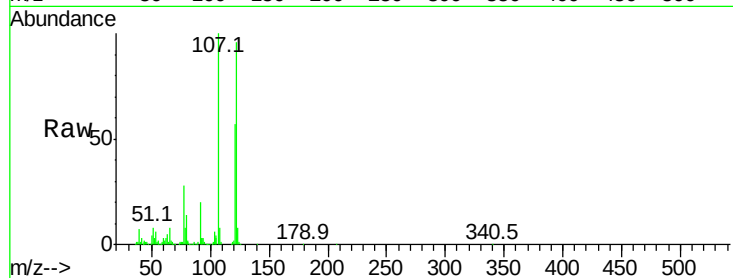
Tot Ion:122 Resp: 622583

Ion Ratio Lower Upper

122 100

107 103.7 104.2 156.4#

121 59.2 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 45.98 ng

RT: 10.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

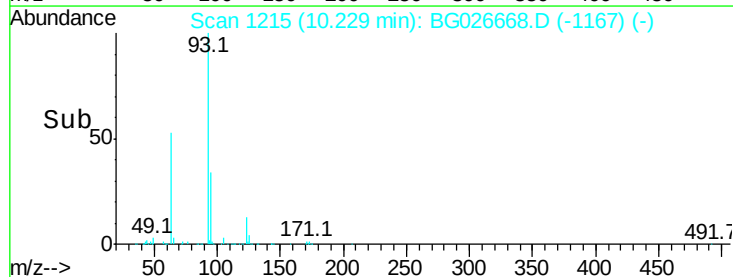
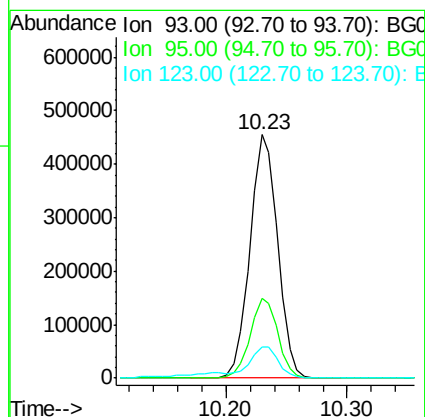
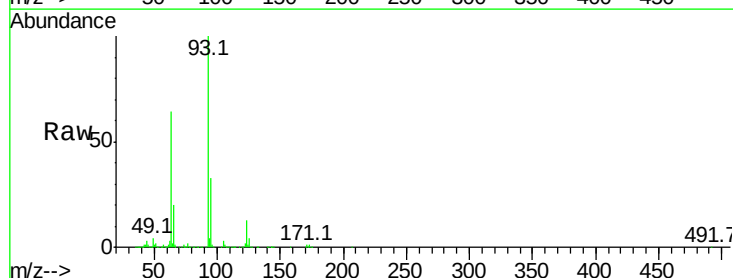
Tgt Ion: 93 Resp: 727890

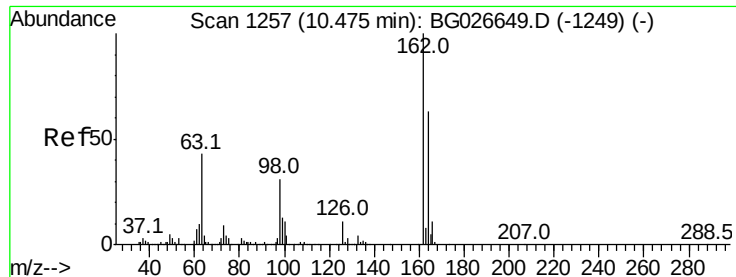
Ion Ratio Lower Upper

93 100

95 32.6 25.7 38.5

123 13.0 8.3 12.5#





#29

2,4-Dichlorophenol

Concen: 52.95 ng

RT: 10.51 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

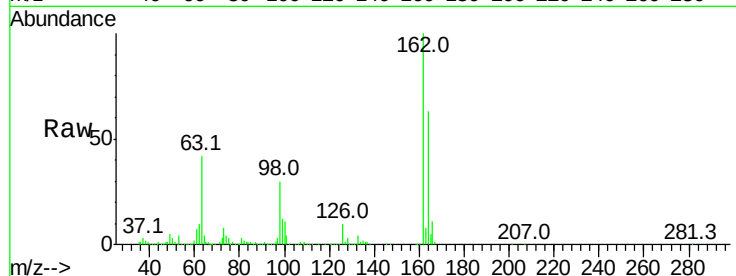
Tot Ion:162 Resp: 677387

Ion Ratio Lower Upper

162 100

164 63.1 42.4 82.4

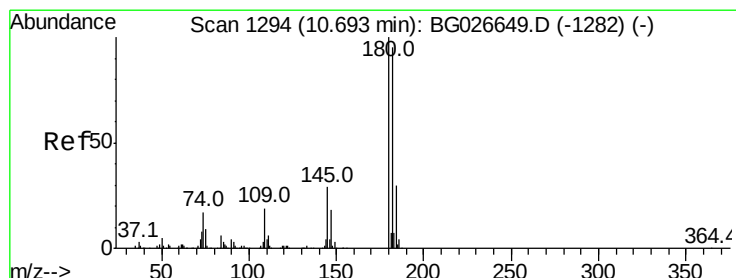
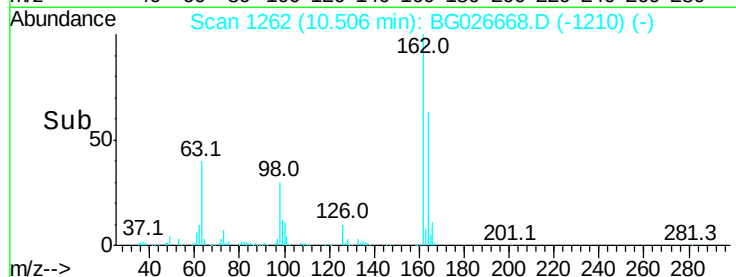
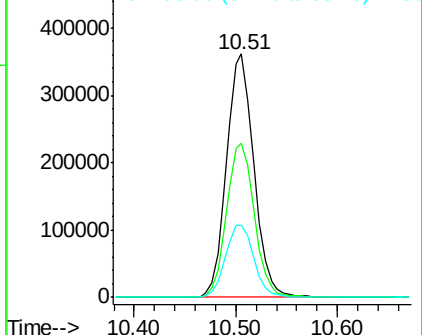
98 29.8 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 42.65 ng

RT: 10.69 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

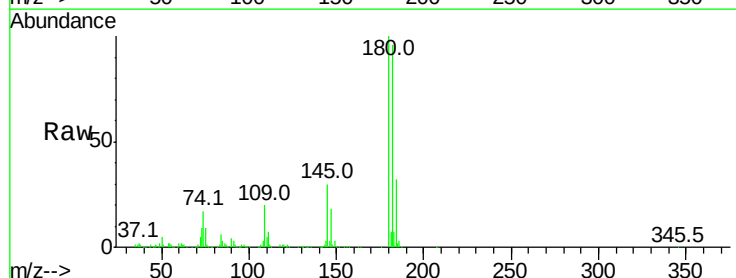
Tgt Ion:180 Resp: 608235

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

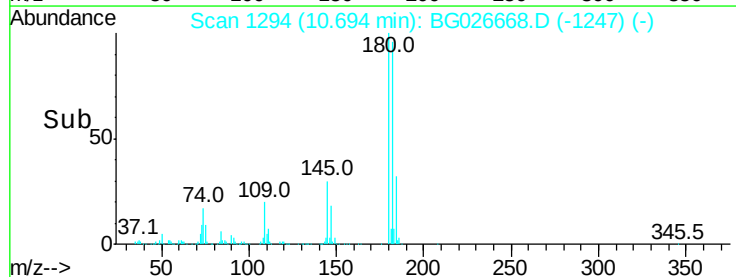
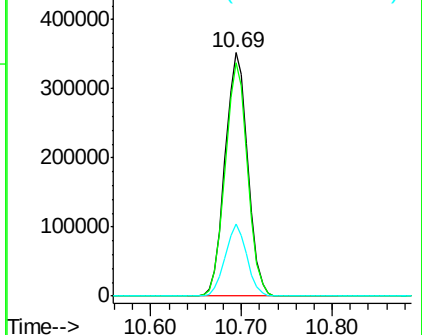
145 29.6 23.4 35.0

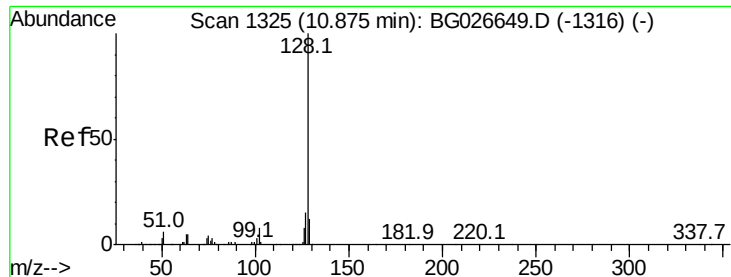


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

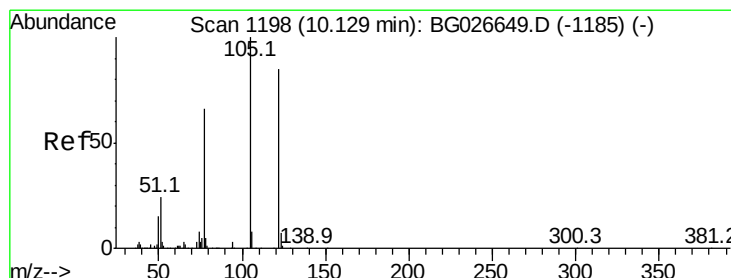
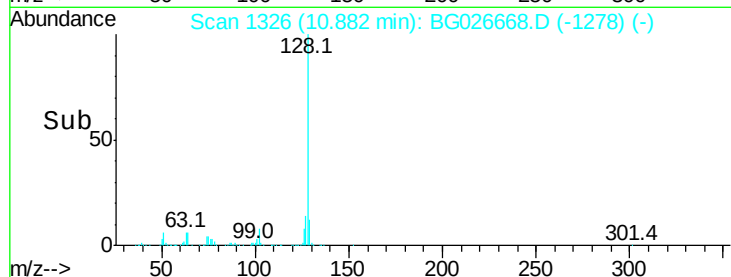
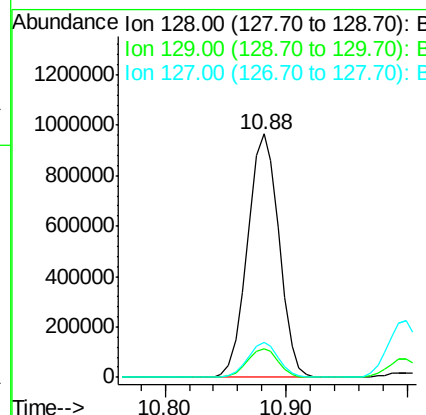
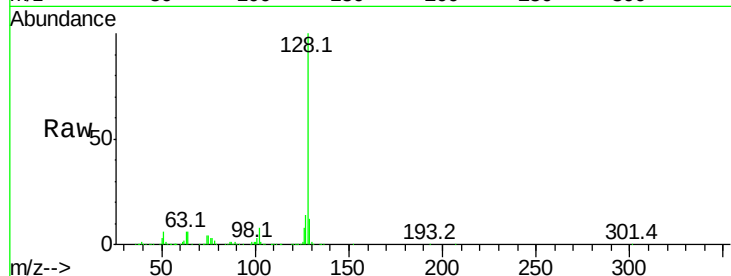




#31  
Naphthalene  
Concen: 43.35 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

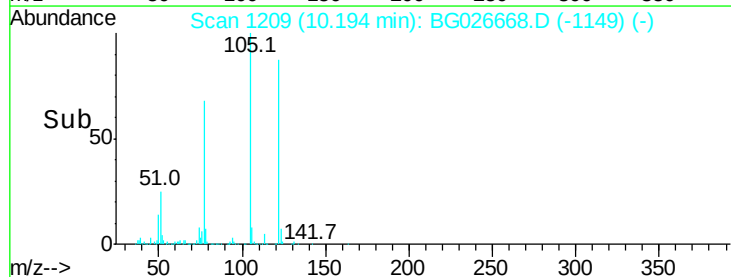
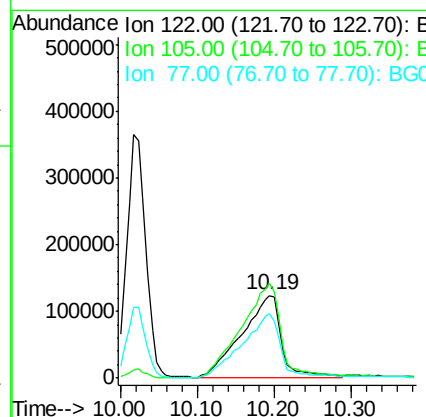
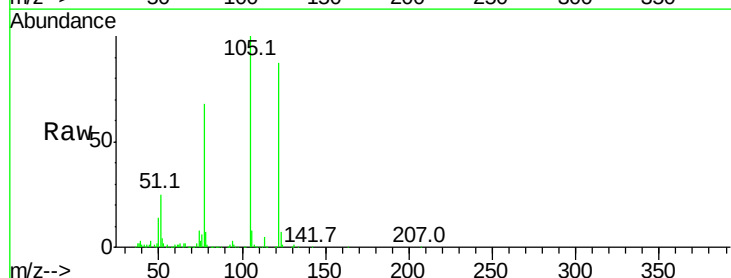
Instrument :  
BNA\_G  
ClientSampleId :

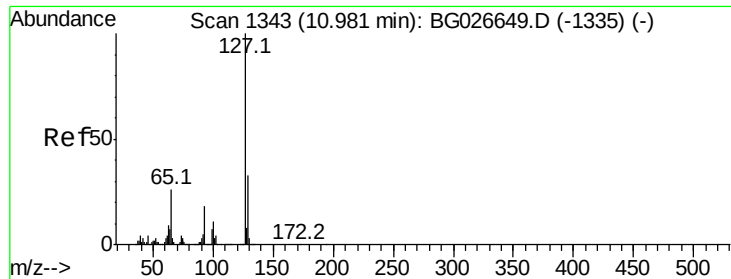
Tot Ion:128 Resp: 1753832  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.3 13.9  
127 14.3 11.4 17.0



#32  
Benzoic acid  
Concen: 50.44 ng  
RT: 10.19 min Scan# 1209  
Delta R.T. 0.05 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:122 Resp: 437583  
Ion Ratio Lower Upper  
122 100  
105 115.1 120.1 160.1#  
77 78.1 104.6 144.6#

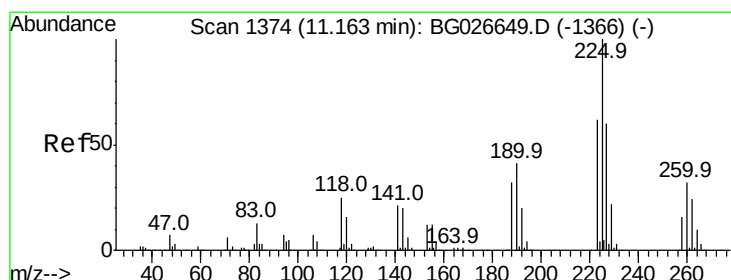
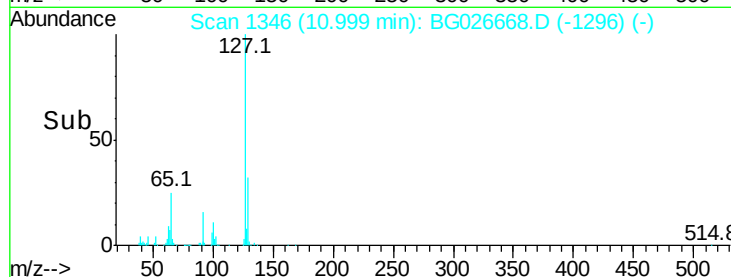
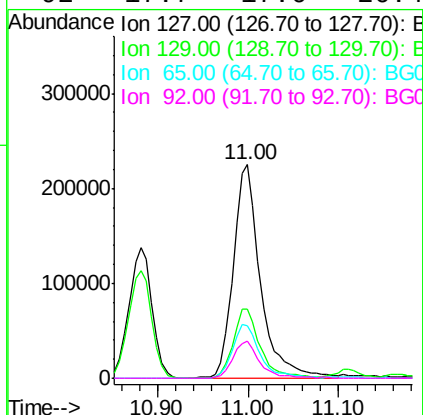
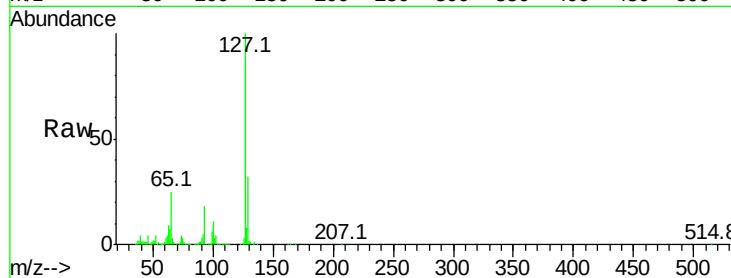




#33  
4-Chloroaniline  
Concen: 27.06 ng  
RT: 11.00 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

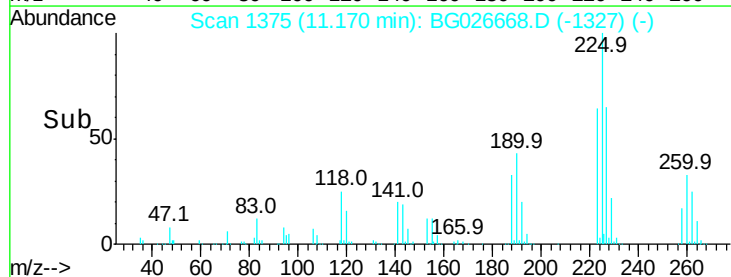
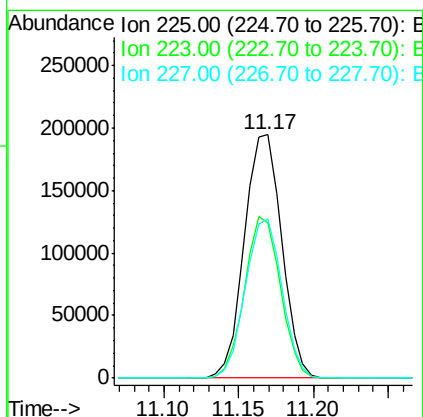
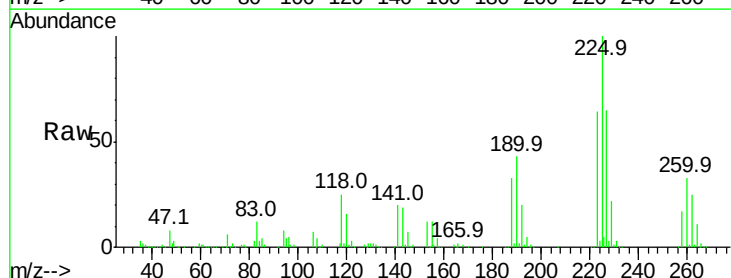
Instrument :  
BNA\_G  
ClientSampleId :

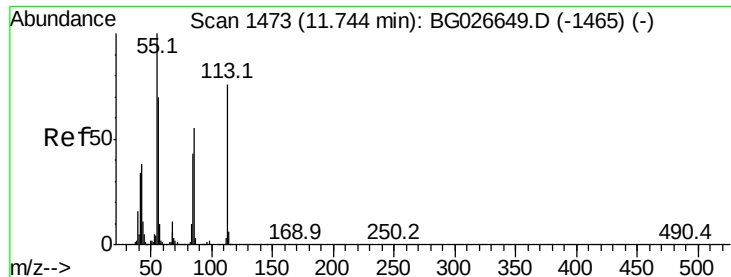
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.4  | 23.6  | 35.4  |
| 65      | 24.8  | 37.7  | 56.5# |
| 92      | 17.7  | 17.6  | 26.4  |



#34  
Hexachlorobutadiene  
Concen: 41.27 ng  
RT: 11.17 min Scan# 1375  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 50.7  | 76.1  |
| 227     | 65.2  | 49.0  | 73.6  |

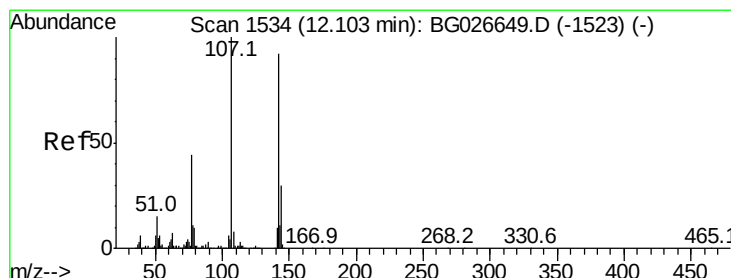
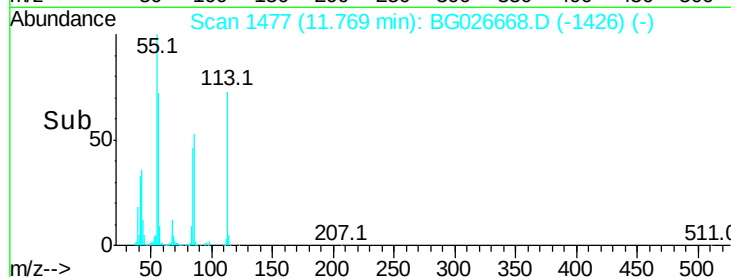
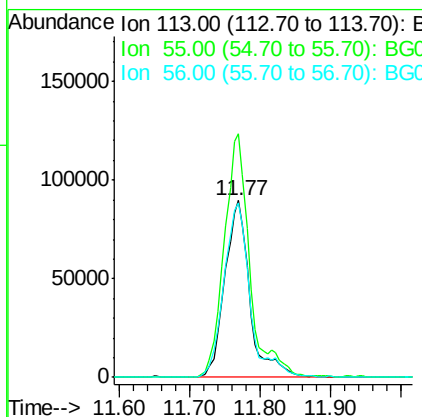
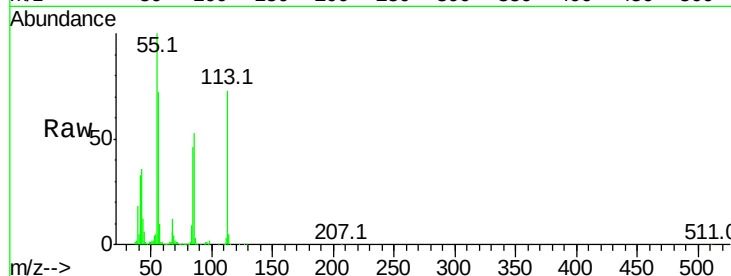




#35  
Caprolactam  
Concen: 44.58 ng  
RT: 11.77 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

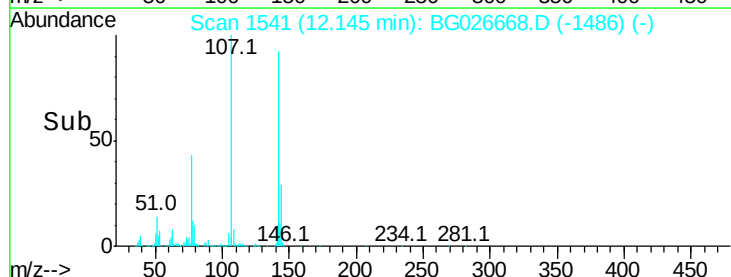
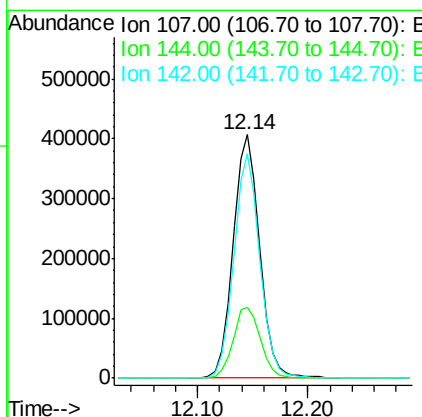
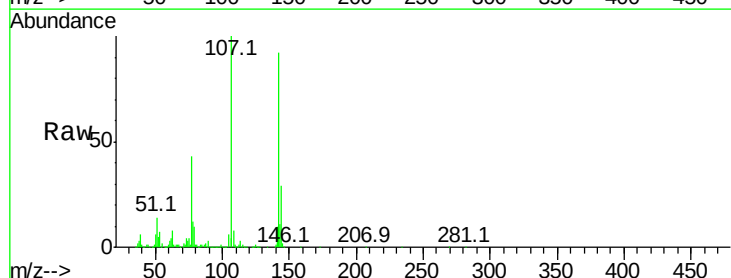
Instrument :  
BNA\_G  
ClientSampleId :

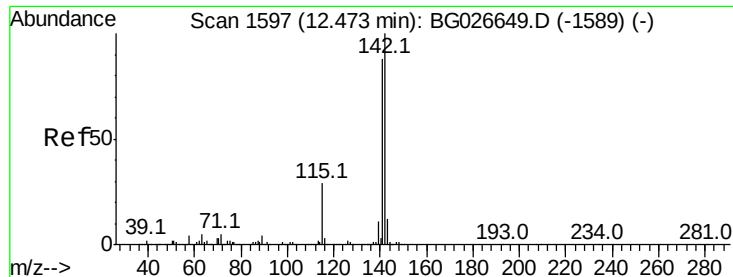
Tot Ion:113 Resp: 221478  
Ion Ratio Lower Upper  
113 100  
55 137.8 198.6 238.6#  
56 99.0 140.4 180.4#



#36  
4-Chloro-3-methylphenol  
Concen: 53.15 ng  
RT: 12.14 min Scan# 1541  
Delta R.T. 0.03 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:107 Resp: 684956  
Ion Ratio Lower Upper  
107 100  
144 28.9 17.4 26.0#  
142 92.1 54.1 81.1#

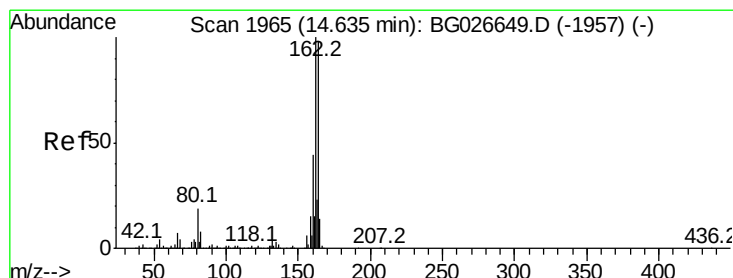
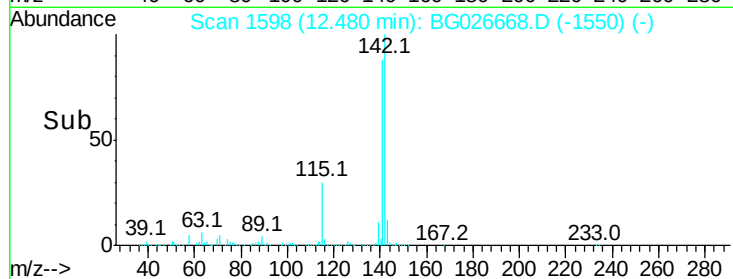
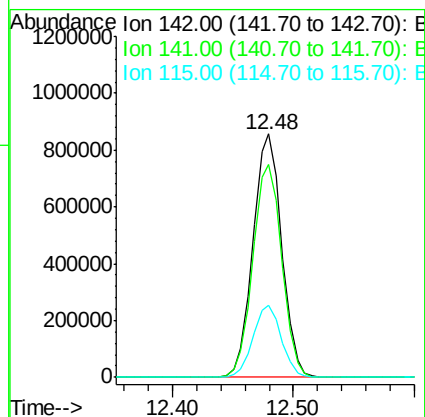
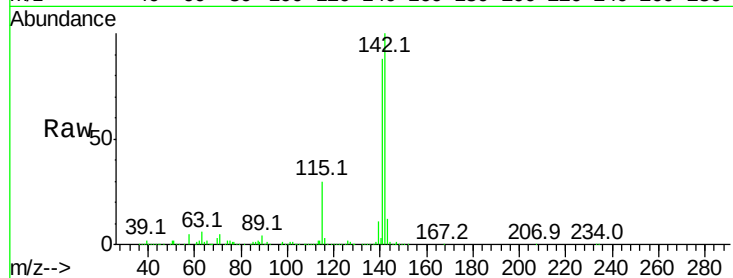




#37  
2-Methylnaphthalene  
Concen: 45.35 ng  
RT: 12.48 min Scan# 1598  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

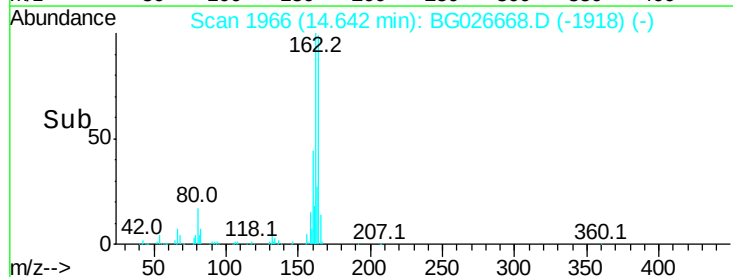
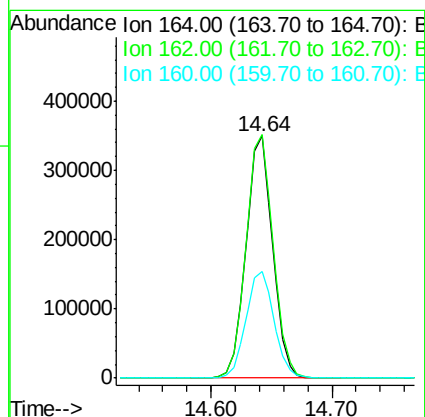
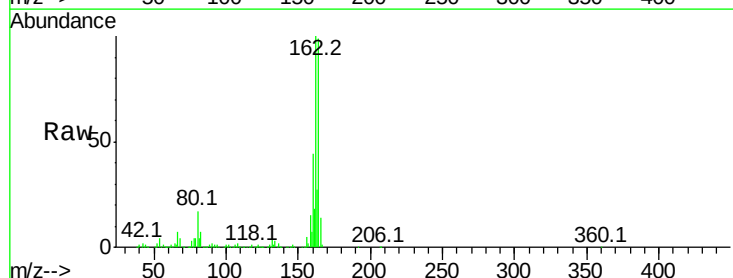
Instrument :  
BNA\_G  
ClientSampled :

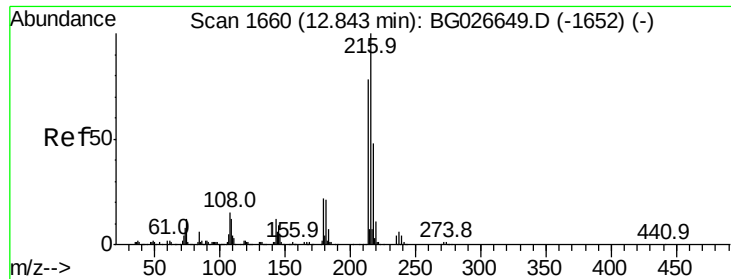
Tot Ion:142 Resp: 1412175  
Ion Ratio Lower Upper  
142 100  
141 87.5 70.4 105.6  
115 29.8 35.5 53.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.64 min Scan# 1966  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:164 Resp: 535549  
Ion Ratio Lower Upper  
164 100  
162 100.7 85.1 127.7  
160 44.3 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.38 ng

RT: 12.84 min Scan# 1660

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 682650

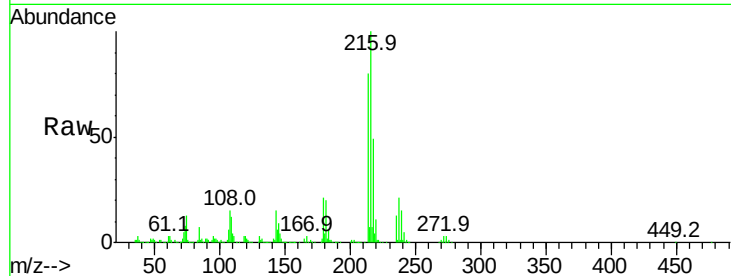
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.4  | 64.4  | 96.6  |
| 179 | 20.7  | 17.4  | 26.0  |
| 108 | 16.6  | 15.6  | 23.4  |

216 100

214 79.4 64.4 96.6

179 20.7 17.4 26.0

108 16.6 15.6 23.4

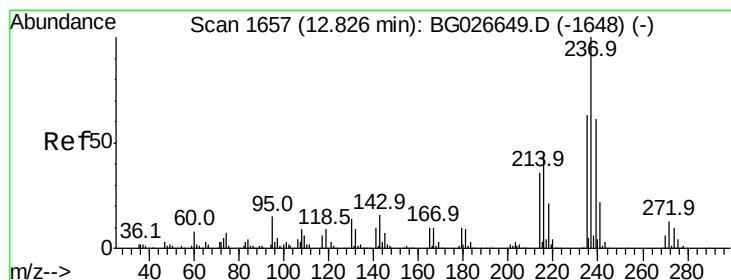
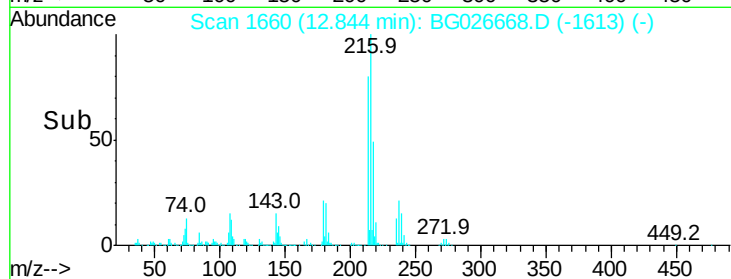
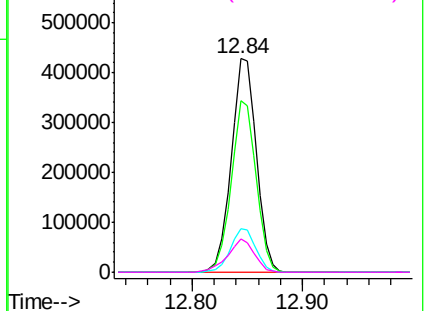


Abundance Ion 216.00 (215.70 to 216.70): E

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: 81.51 ng

RT: 12.83 min Scan# 1657

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

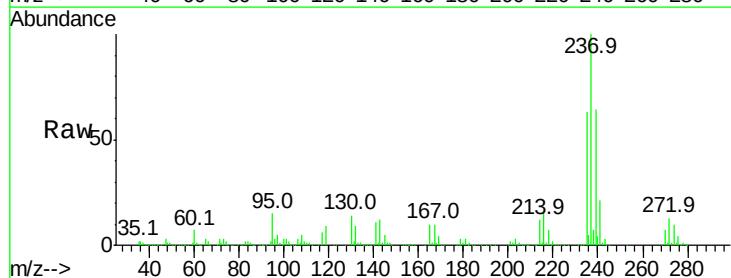
Tgt Ion:237 Resp: 679449

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.4  | 39.4  | 79.4  |
| 272 | 13.4  | 0.0   | 32.0  |

237 100

235 63.4 39.4 79.4

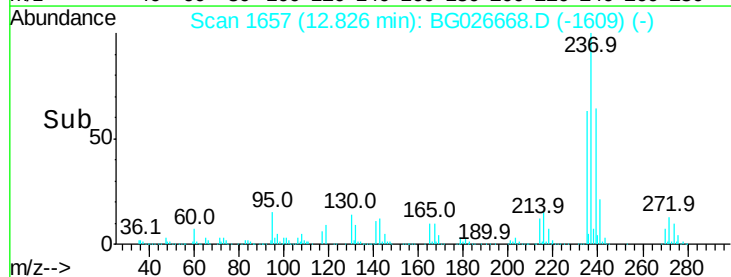
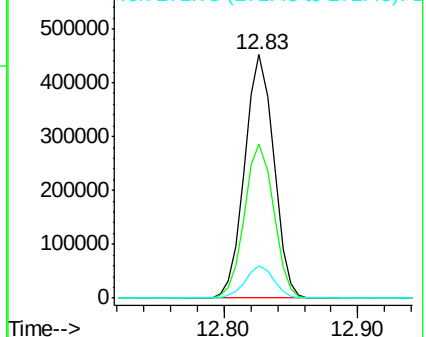
272 13.4 0.0 32.0



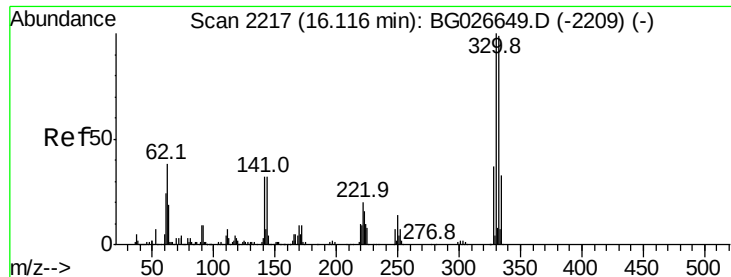
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



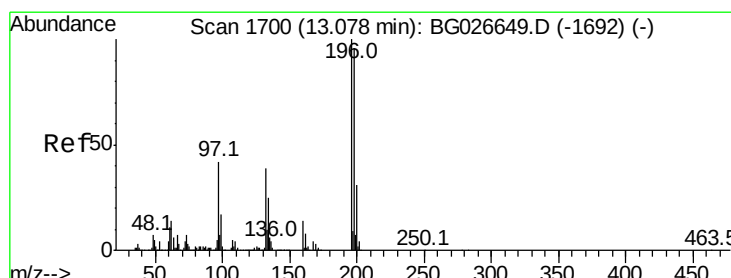
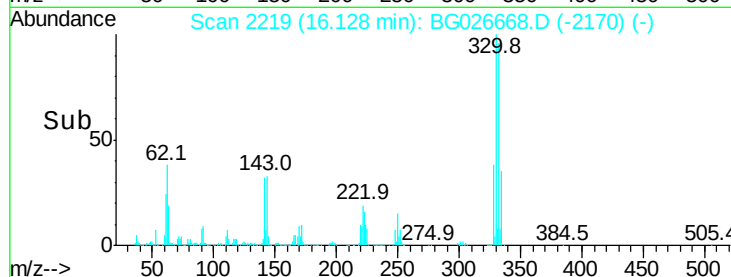
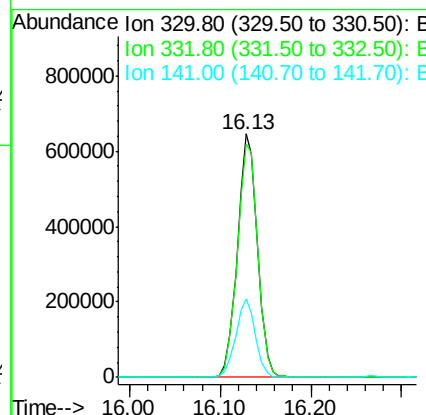
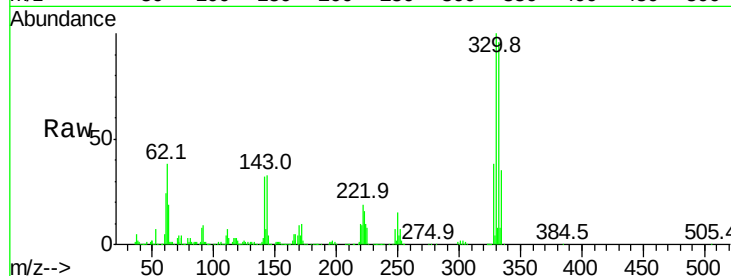




#41  
 2,4,6-Tribromophenol  
 Concen: 133.35 ng  
 RT: 16.13 min Scan# 2219  
 Delta R.T. -0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

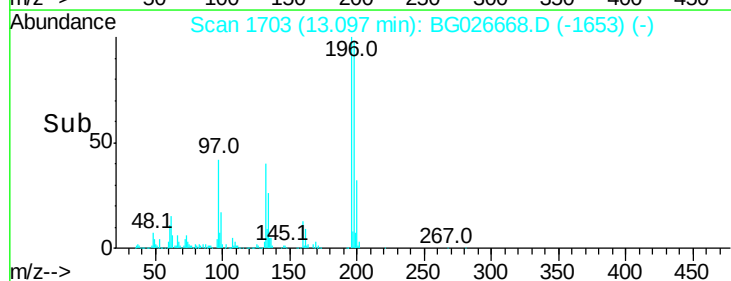
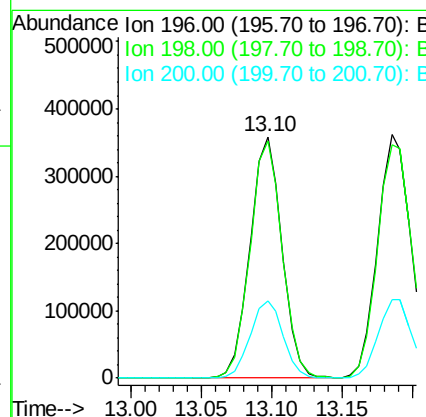
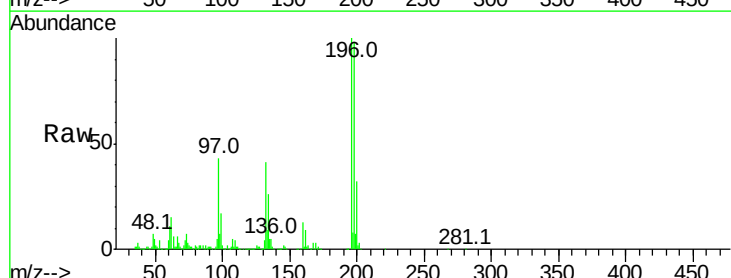
Instrument :  
 BNA\_G  
 ClientSampled :

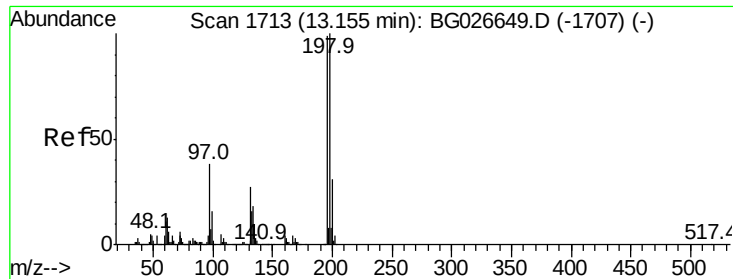
Tot Ion:330 Resp: 995087  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.3 115.9  
 141 31.3 32.1 48.1#



#42  
 2,4,6-Trichlorophenol  
 Concen: 48.51 ng  
 RT: 13.10 min Scan# 1703  
 Delta R.T. -0.00 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:196 Resp: 569783  
 Ion Ratio Lower Upper  
 196 100  
 198 98.0 81.4 122.2  
 200 32.2 27.0 40.6

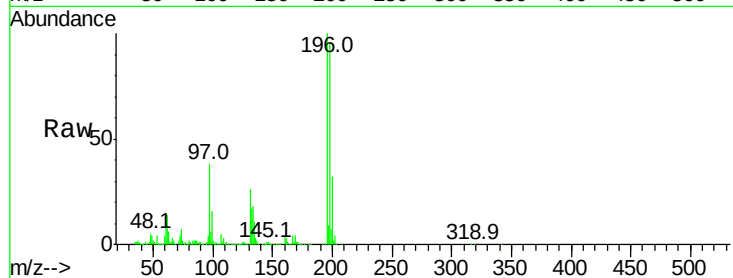




#43  
 2,4,5-Trichlorophenol  
 Concen: 48.58 ng  
 RT: 13.18 min Scan# 1718  
 Delta R.T. 0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 79.9  | 119.9 |
| 97      | 38.0  | 45.4  | 68.0  |
| 132     | 26.1  | 20.7  | 31.1  |



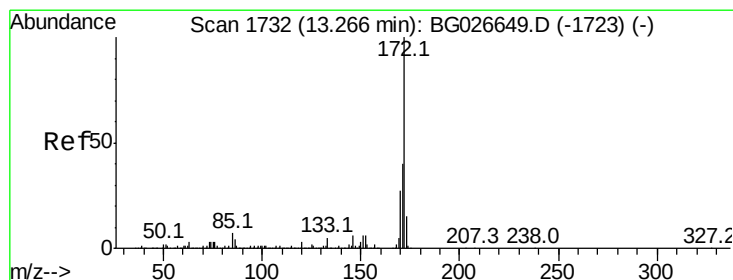
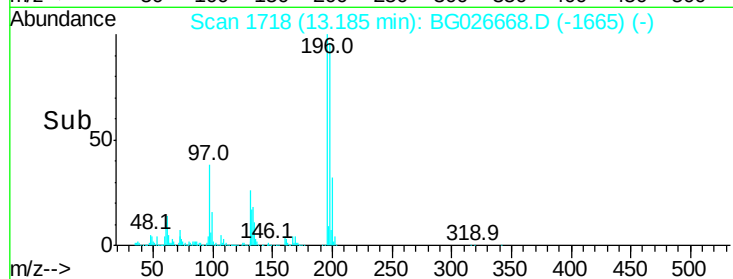
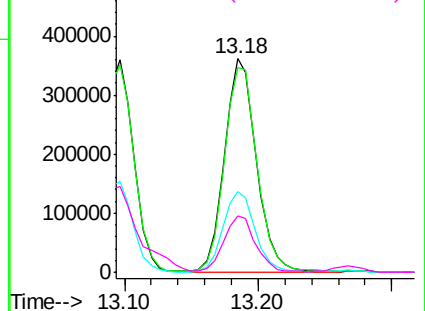
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

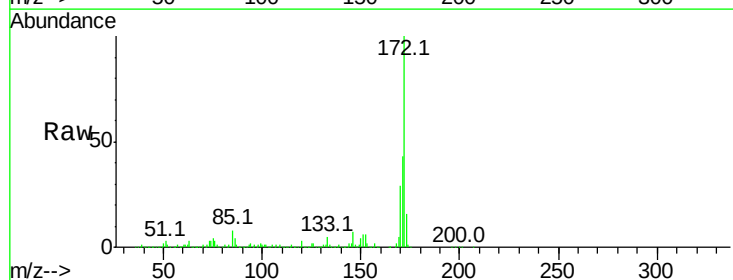
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 82.49 ng  
 RT: 13.27 min Scan# 1732  
 Delta R.T. -0.02 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 43.0  | 32.2  | 48.2  |
| 170     | 28.5  | 21.8  | 32.6  |

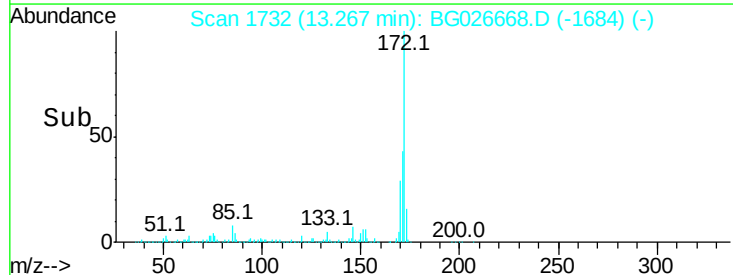
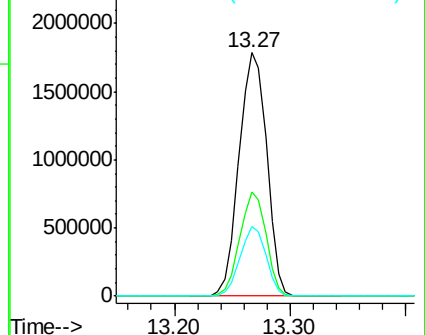


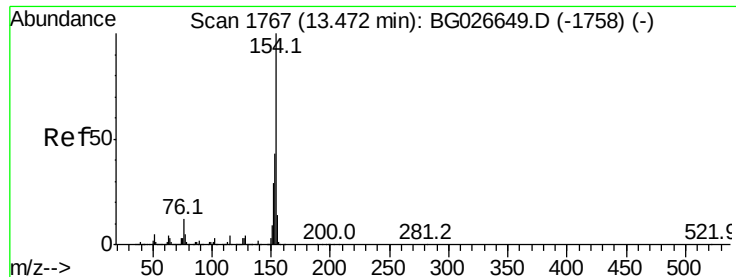
Abundance

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: 42.28 ng

RT: 13.48 min Scan# 1768

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

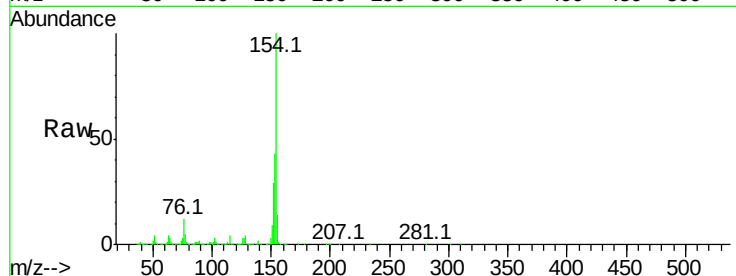
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:154 Resp: 1840190

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 43.3  | 23.0  | 63.0  |
| 76  | 12.0  | 0.0   | 33.5  |

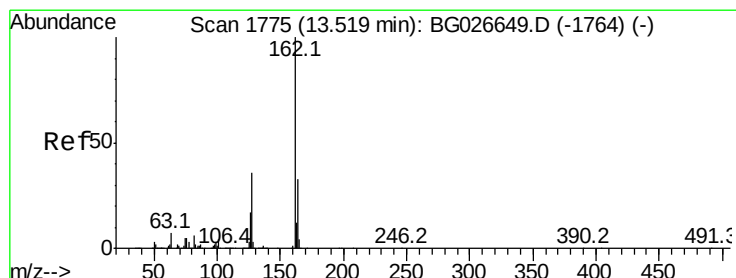
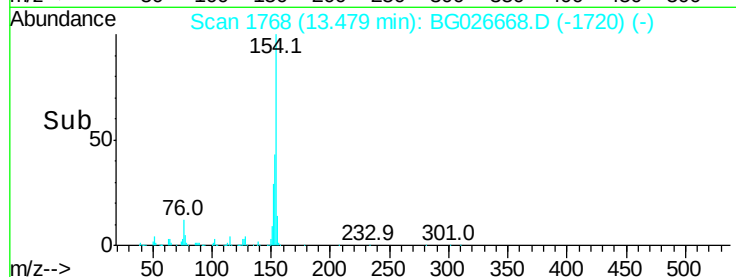
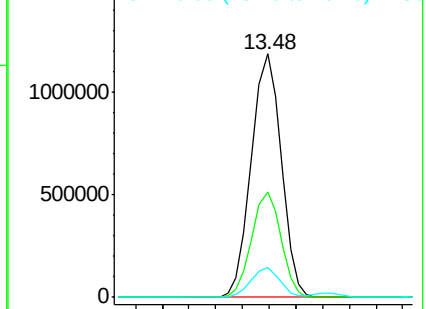


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 43.37 ng

RT: 13.53 min Scan# 1776

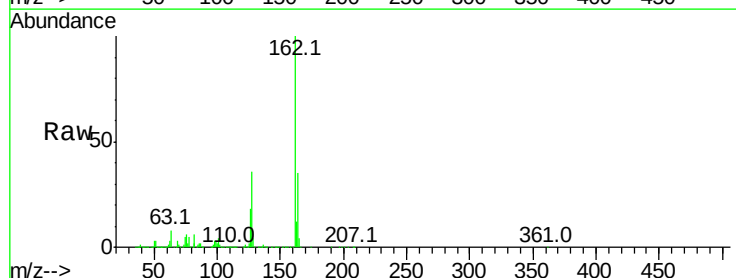
Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Tgt Ion:162 Resp: 1430267

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 36.1  | 32.2  | 48.4  |
| 164 | 34.6  | 27.3  | 40.9  |

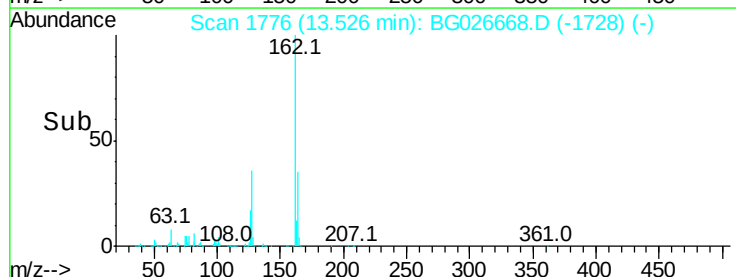
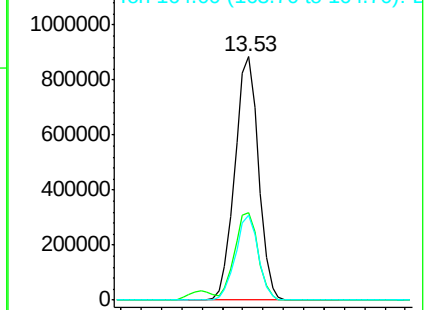


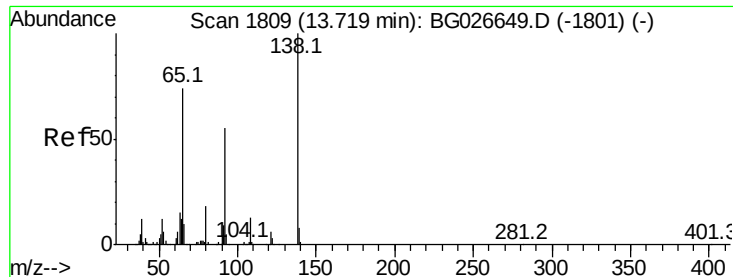
Abundance

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

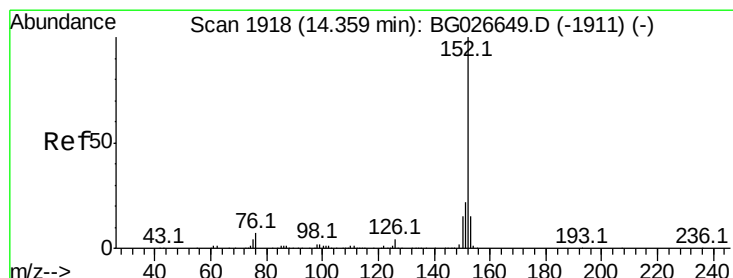
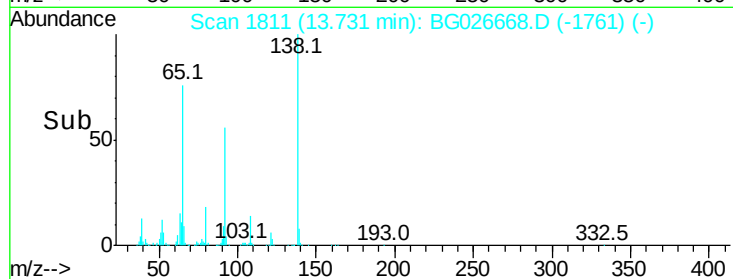
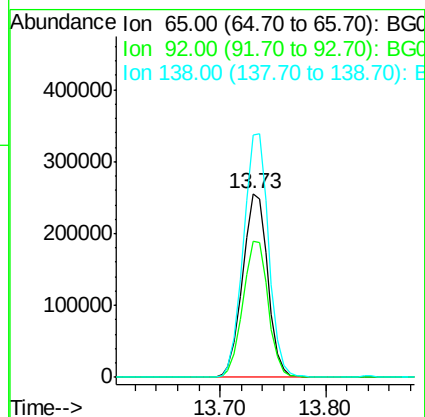
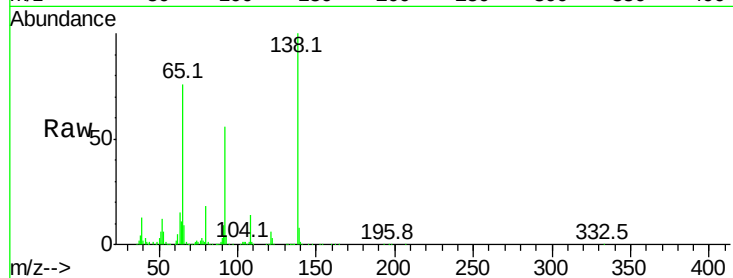




#47  
2-Nitroaniline  
Concen: 49.97 ng  
RT: 13.73 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

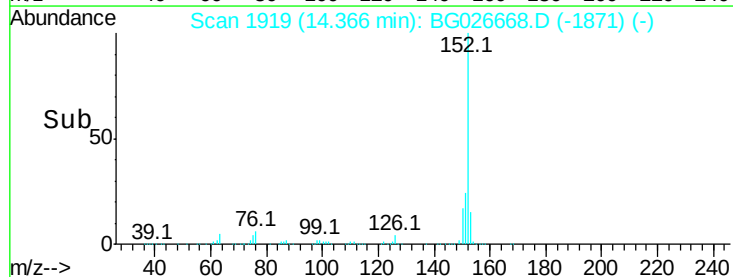
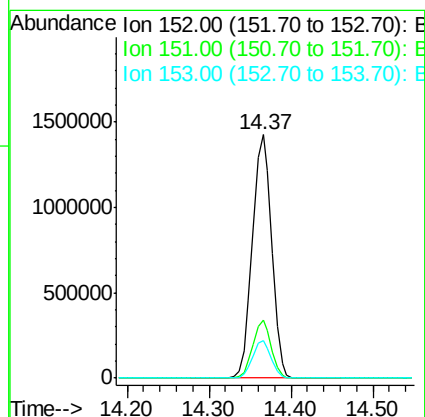
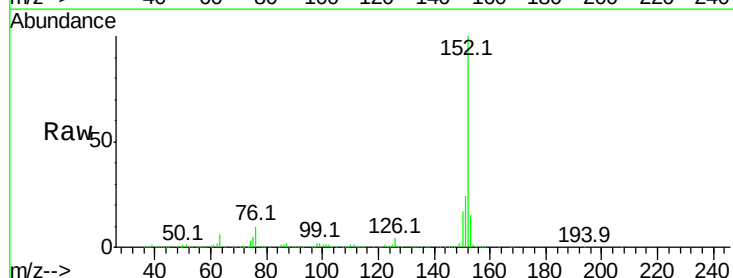
Instrument :  
BNA\_G  
ClientSampleId :

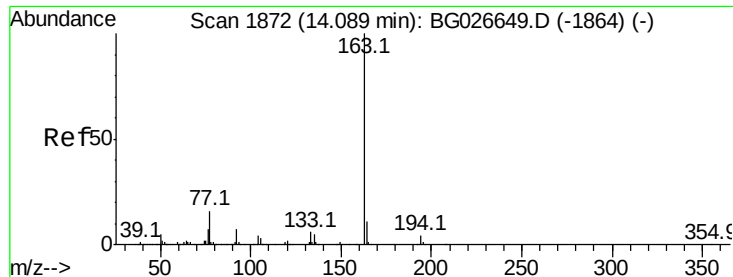
Tot Ion: 65 Resp: 420921  
Ion Ratio Lower Upper  
65 100  
92 74.0 49.0 73.4#  
138 131.5 58.6 87.8#



#48  
Acenaphthylene  
Concen: 44.15 ng  
RT: 14.37 min Scan# 1919  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:152 Resp: 2341336  
Ion Ratio Lower Upper  
152 100  
151 23.8 18.2 27.2  
153 15.4 11.3 16.9

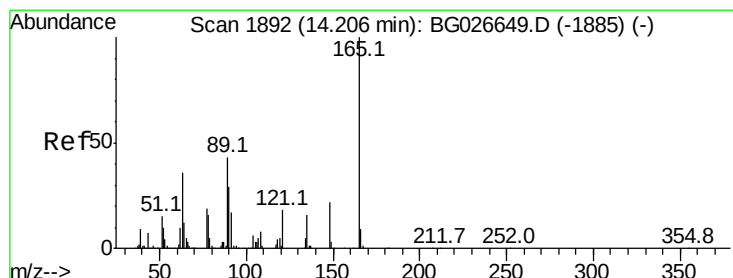
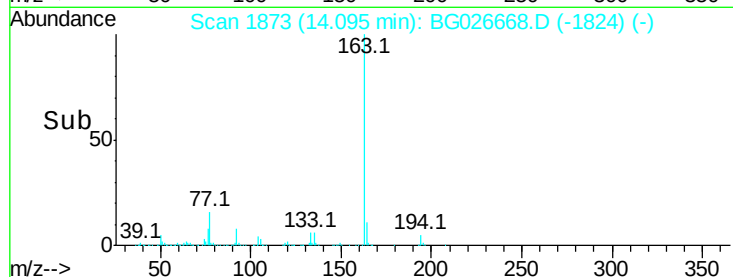
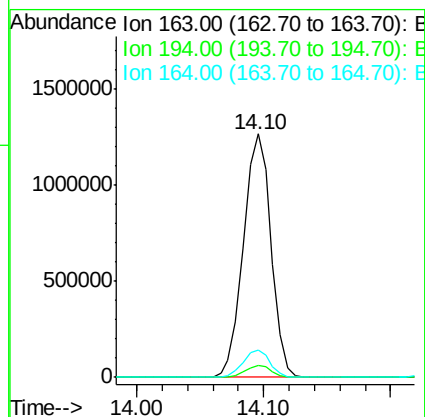
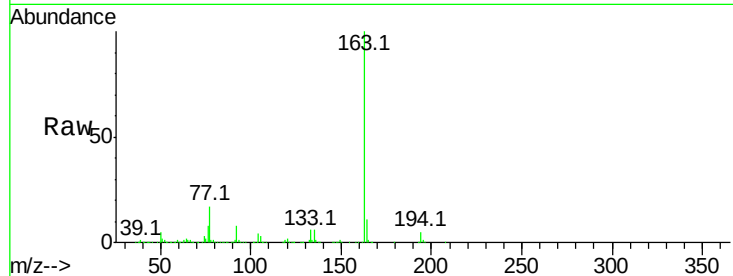




#49  
Dimethylphthalate  
Concen: 45.05 ng  
RT: 14.10 min Scan# 1873  
Delta R.T. -0.01 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

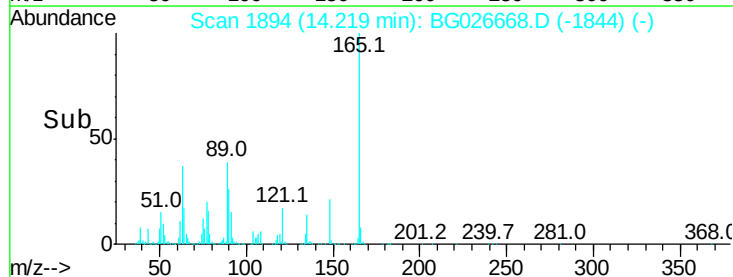
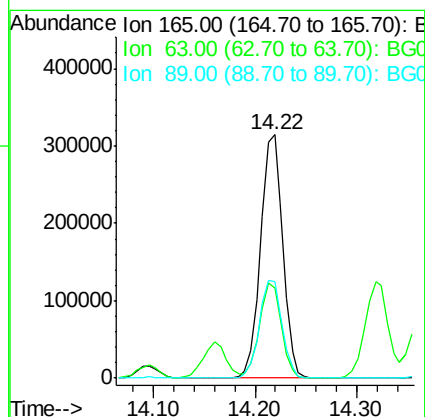
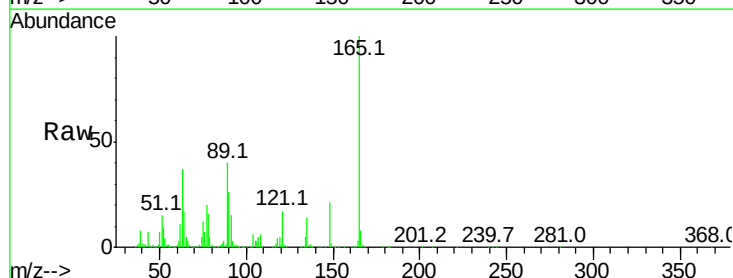
Instrument :  
BNA\_G  
ClientSampleId :

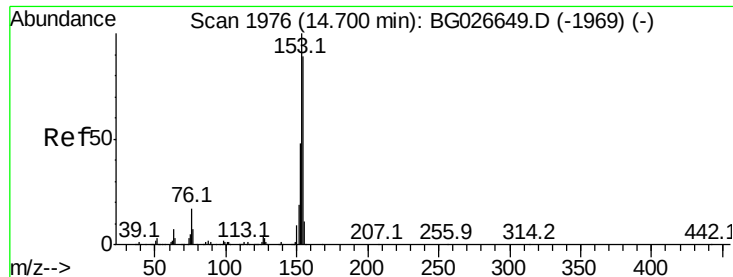
Tot Ion:163 Resp: 1910014  
Ion Ratio Lower Upper  
163 100  
194 5.0 3.8 5.6  
164 11.2 9.3 13.9



#50  
2,6-Dinitrotoluene  
Concen: 48.12 ng  
RT: 14.22 min Scan# 1894  
Delta R.T. -0.00 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:165 Resp: 477076  
Ion Ratio Lower Upper  
165 100  
63 37.0 63.9 95.9#  
89 39.5 58.6 88.0#





#51

Acenaphthene

Concen: 43.99 ng

RT: 14.71 min Scan# 1977

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampled :

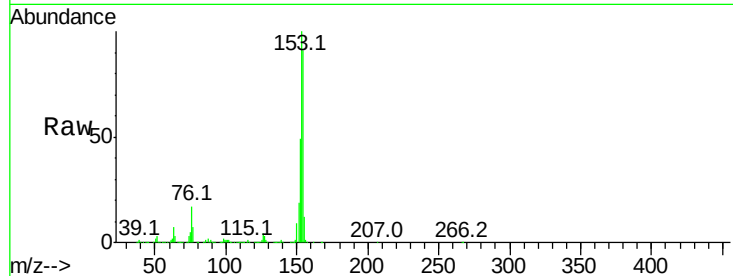
Tot Ion:154 Resp: 1484821

Ion Ratio Lower Upper

154 100

153 110.3 87.8 131.6

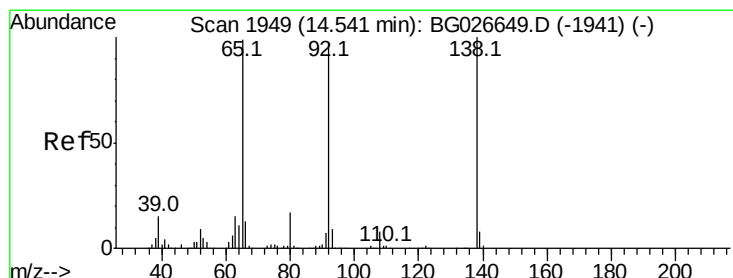
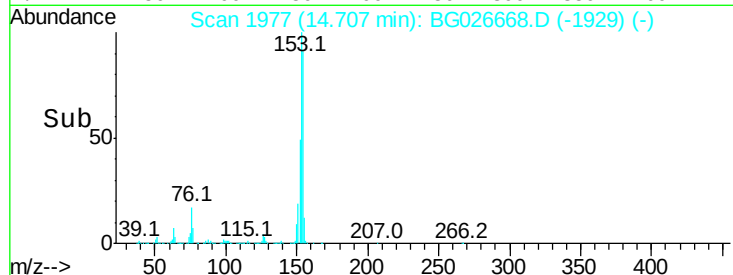
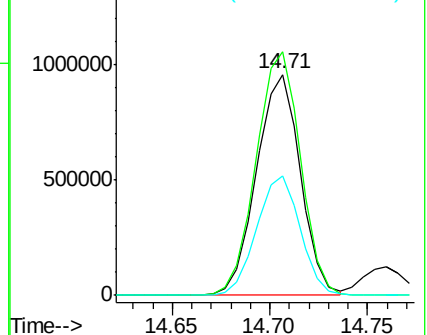
152 54.1 42.2 63.4



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: 39.57 ng

RT: 14.56 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

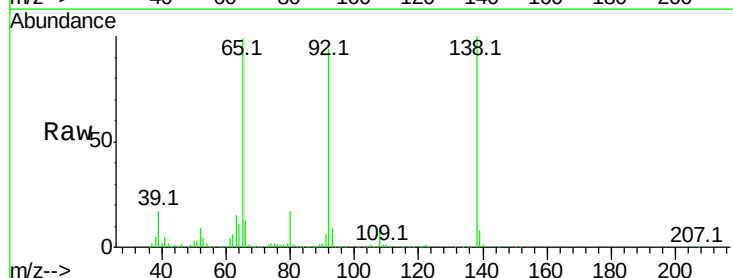
Tgt Ion:138 Resp: 427828

Ion Ratio Lower Upper

138 100

108 8.7 10.9 16.3#

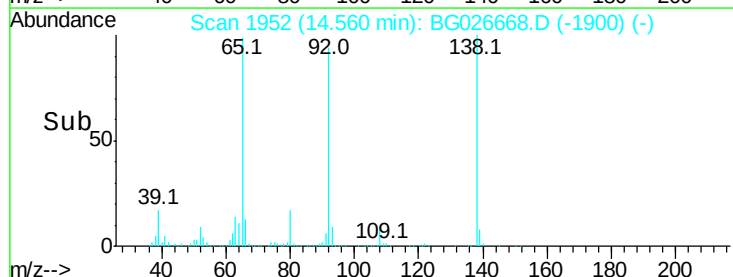
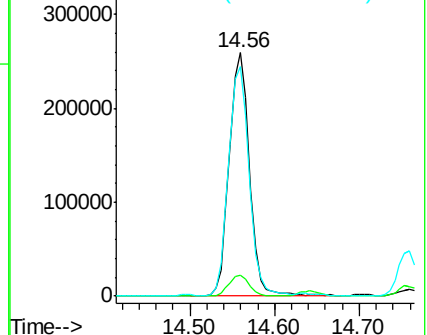
92 94.4 115.3 172.9#

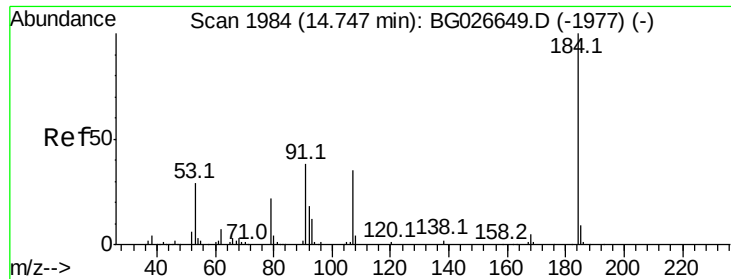


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

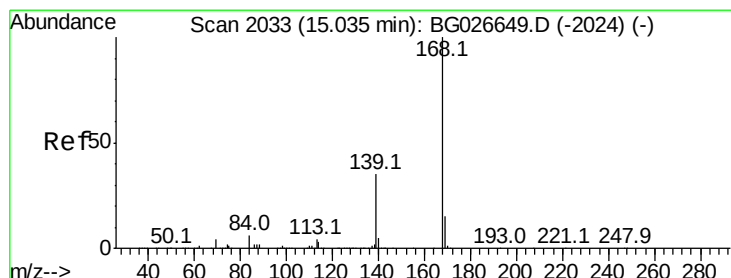
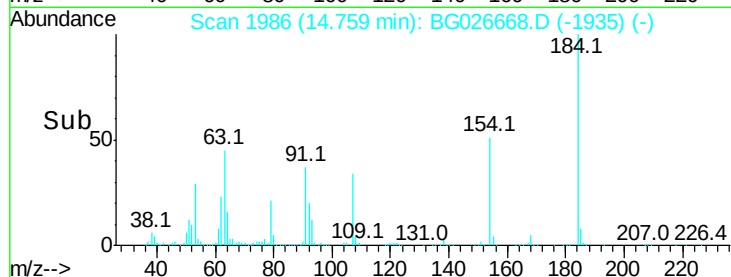
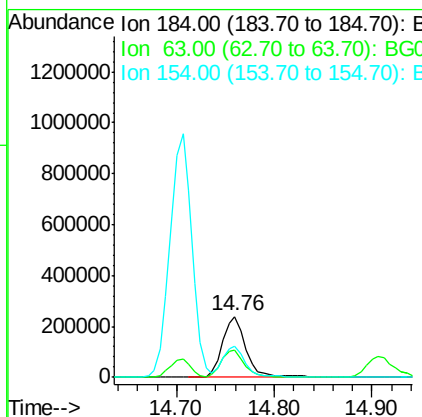
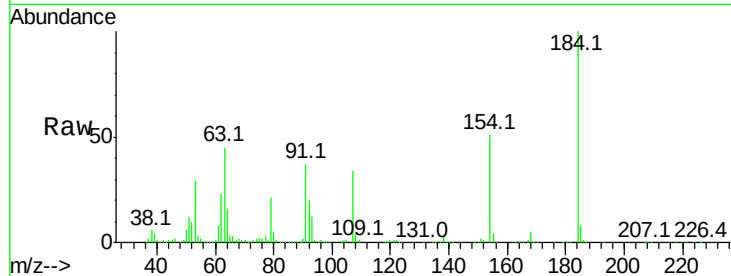




#53  
2,4-Dinitrophenol  
Concen: 69.34 ng  
RT: 14.76 min Scan# 1986  
Delta R.T. -0.00 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

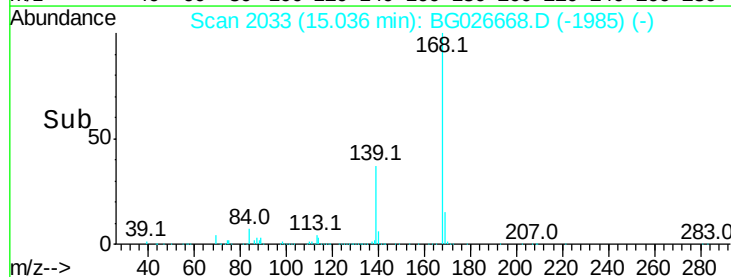
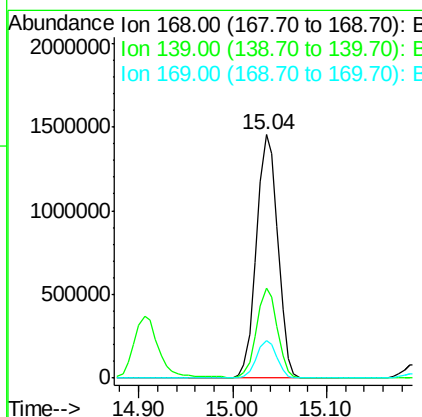
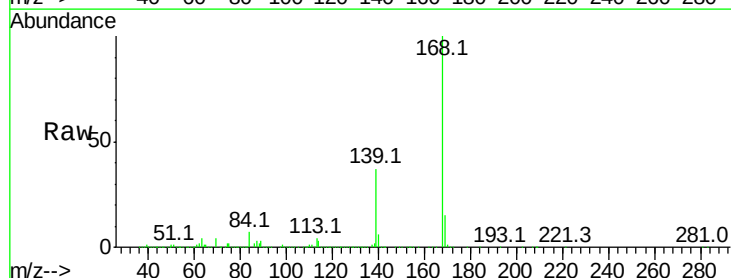
Instrument :  
BNA\_G  
ClientSampleId :

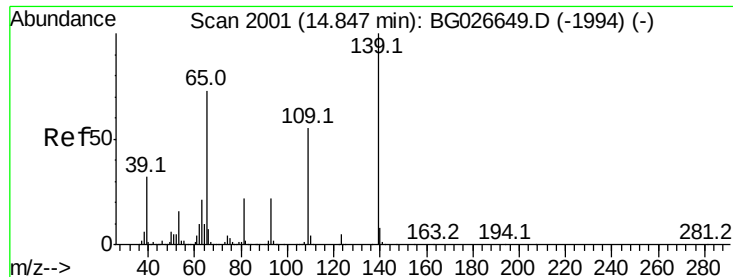
Tot Ion:184 Resp: 400494  
Ion Ratio Lower Upper  
184 100  
63 44.7 52.7 79.1#  
154 51.4 57.3 85.9#



#54  
Dibenzofuran  
Concen: 43.50 ng  
RT: 15.04 min Scan# 2033  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:168 Resp: 2288502  
Ion Ratio Lower Upper  
168 100  
139 36.8 35.3 52.9  
169 15.4 11.5 17.3





#55

4-Nitrophenol

Concen: 76.46 ng

RT: 14.91 min Scan# 2011

Delta R.T. 0.05 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

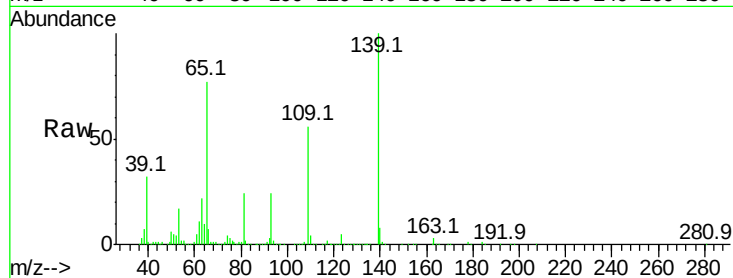
Tot Ion:139 Resp: 697911

Ion Ratio Lower Upper

139 100

109 55.5 101.2 141.2#

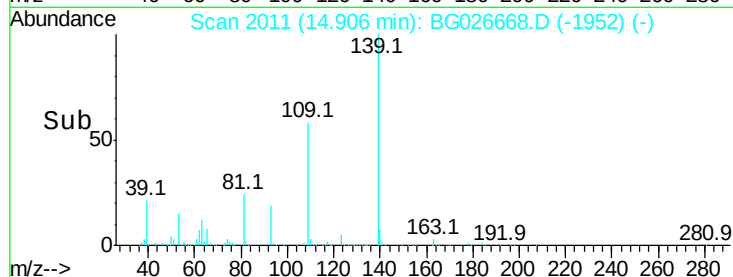
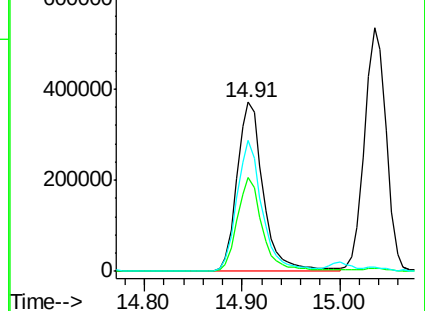
65 77.4 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 47.12 ng

RT: 15.00 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Tgt Ion:165 Resp: 663350

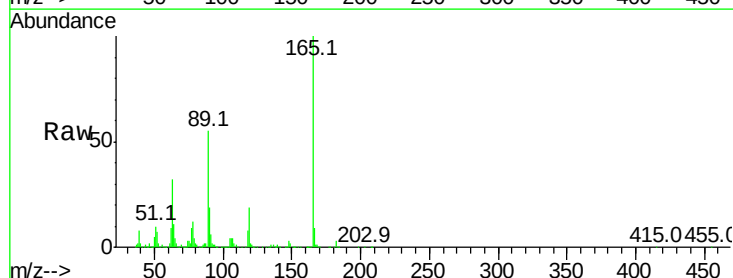
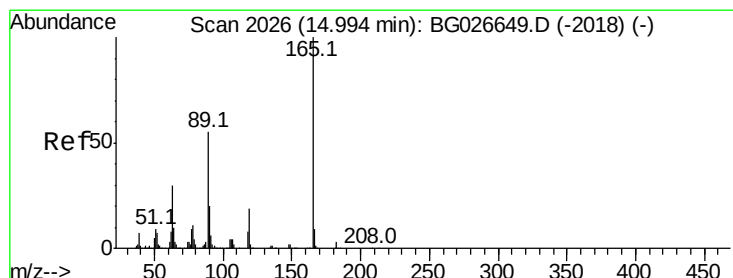
Ion Ratio Lower Upper

165 100

63 31.7 44.0 66.0#

89 54.5 67.3 100.9#

182 2.8 3.8 5.6#

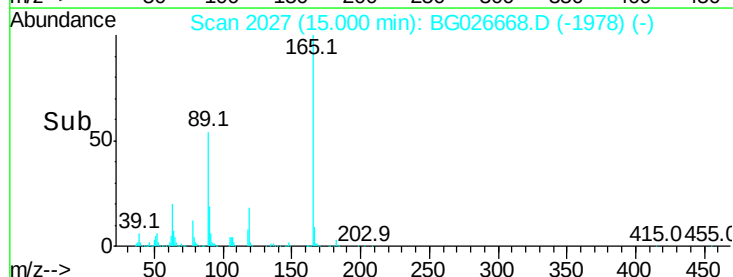
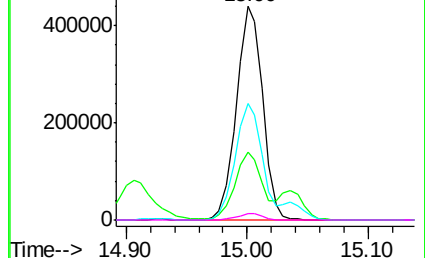


Abundance Ion 165.00 (164.70 to 165.70): E

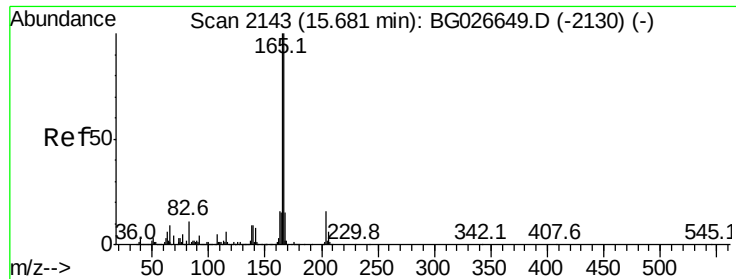
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





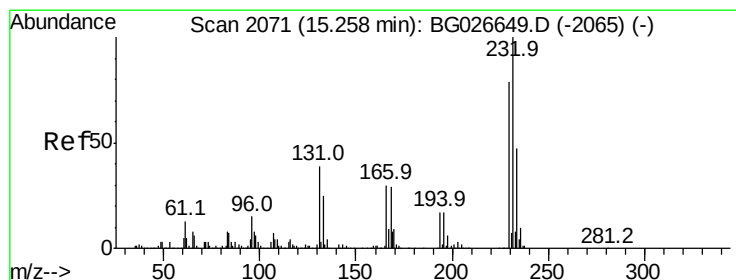
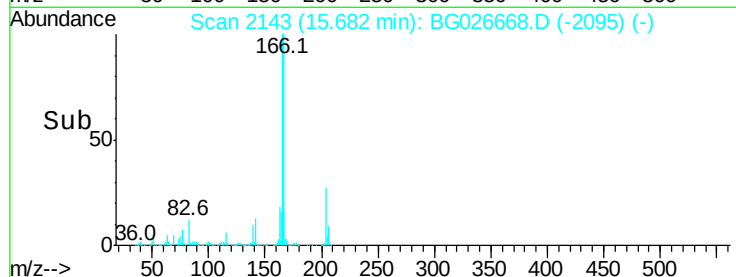
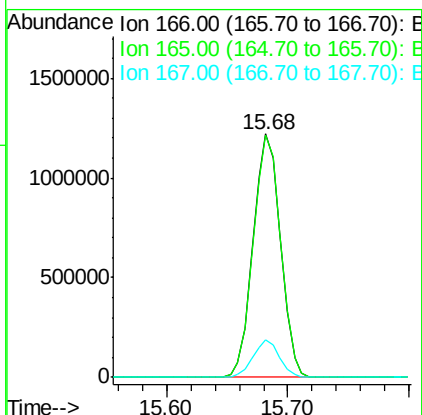
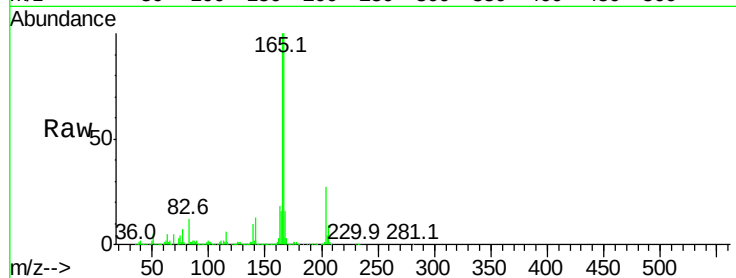


#57  
 Fluorene  
 Concen: 44.33 ng  
 RT: 15.68 min Scan# 2143  
 Delta R.T. -0.02 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:166 Resp: 1920469  

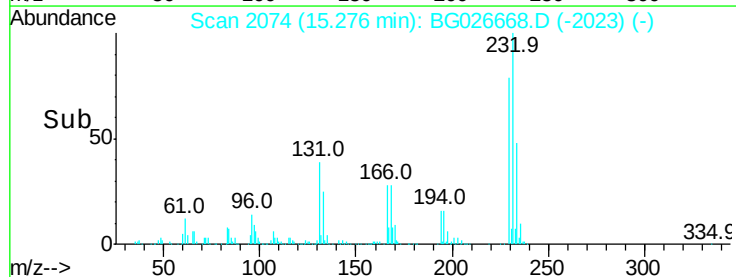
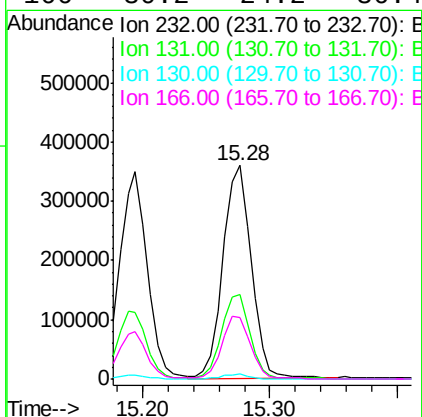
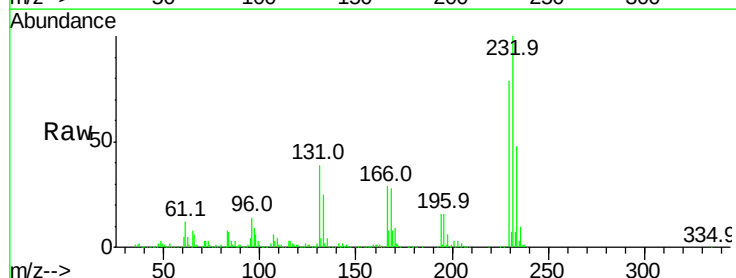
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 99.6  | 78.6  | 117.8 |
| 167 | 15.7  | 11.6  | 17.4  |

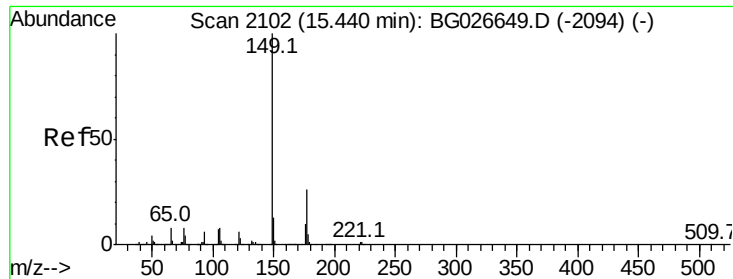


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.94 ng  
 RT: 15.28 min Scan# 2074  
 Delta R.T. 0.00 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:232 Resp: 555085  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 40.2  | 34.9  | 52.3  |
| 130 | 2.2   | 2.3   | 3.5#  |
| 166 | 30.2  | 24.2  | 36.4  |

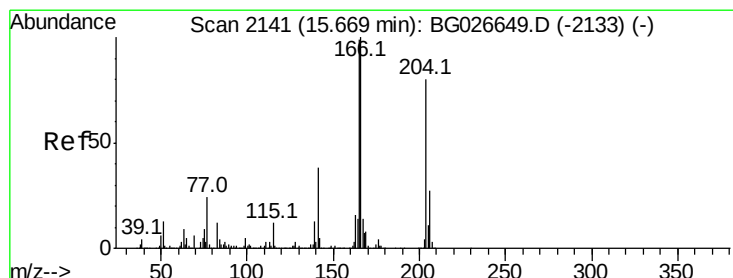
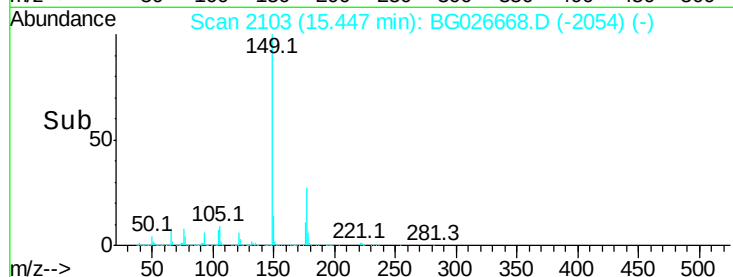
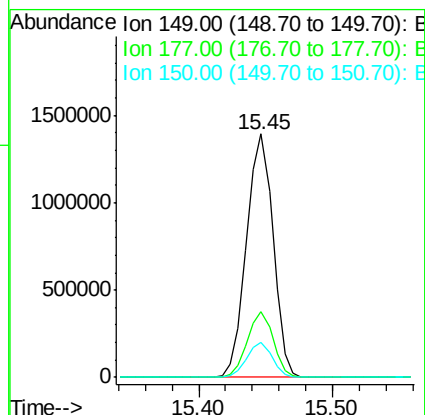
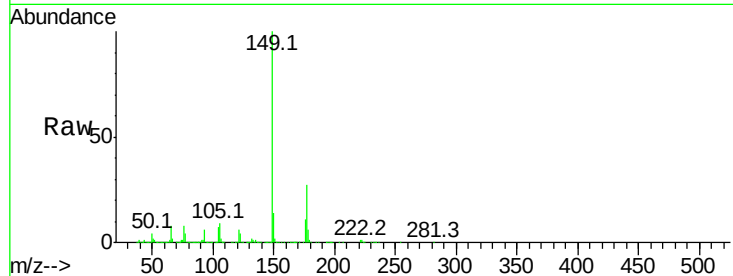




#59  
Diethylphthalate  
Concen: 44.41 ng  
RT: 15.45 min Scan# 2103  
Delta R.T. -0.01 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

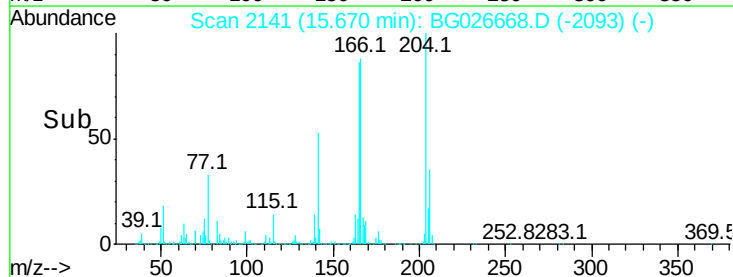
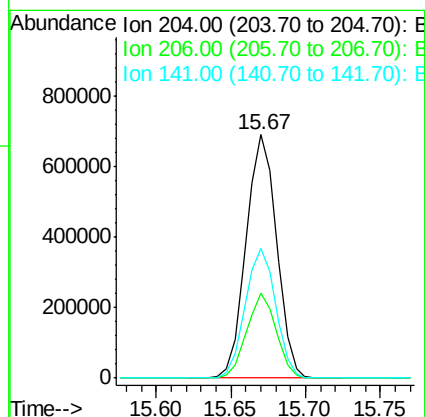
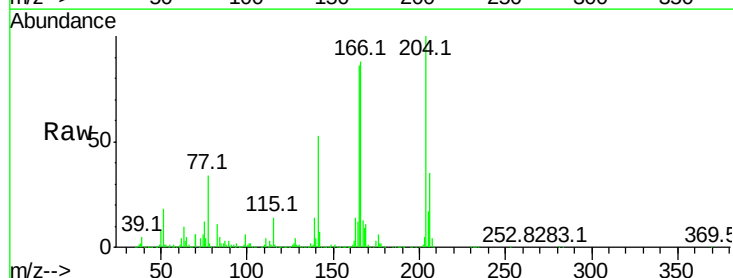
Instrument :  
BNA\_G  
ClientSampleId :

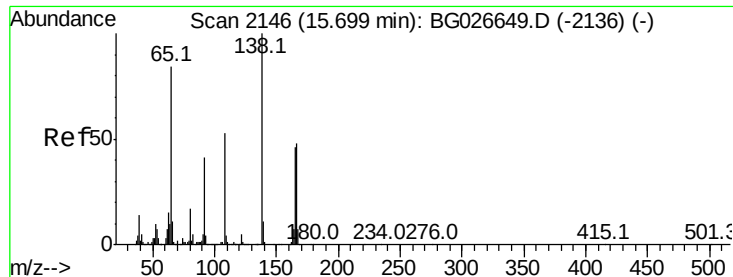
Tot Ion:149 Resp: 1914042  
Ion Ratio Lower Upper  
149 100  
177 27.2 20.1 30.1  
150 14.2 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 45.12 ng  
RT: 15.67 min Scan# 2141  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:204 Resp: 975433  
Ion Ratio Lower Upper  
204 100  
206 34.9 30.1 45.1  
141 53.3 50.6 76.0

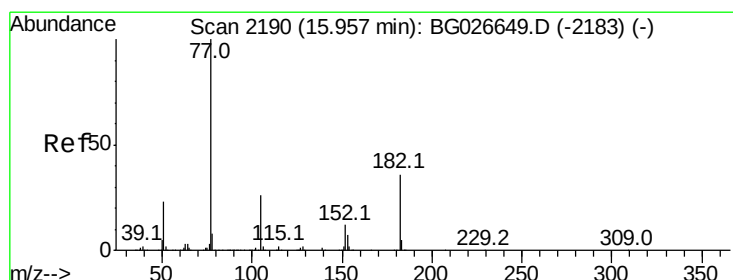
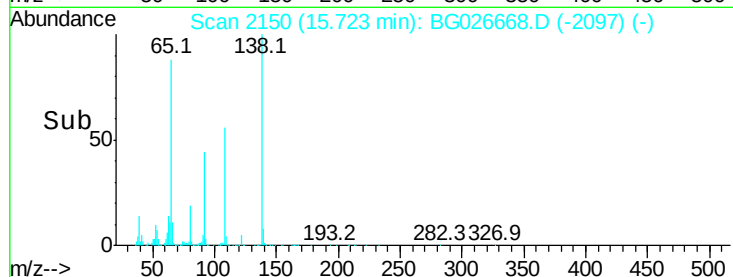
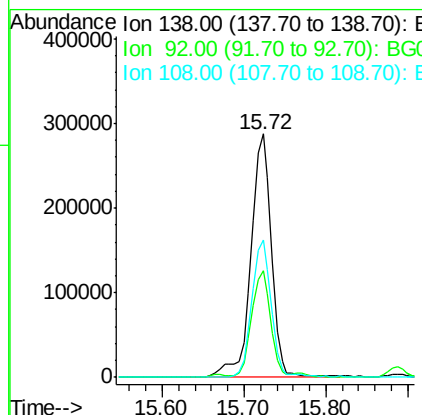
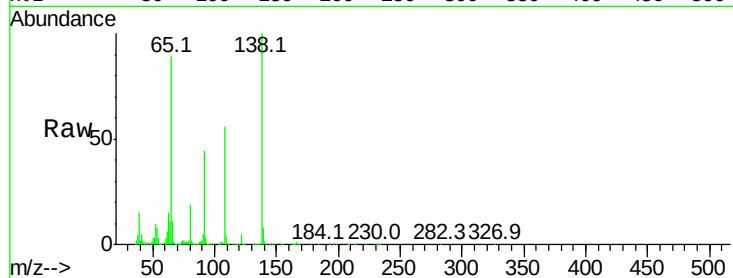




#61  
4-Nitroaniline  
Concen: 43.92 ng  
RT: 15.72 min Scan# 2150  
Delta R.T. 0.01 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

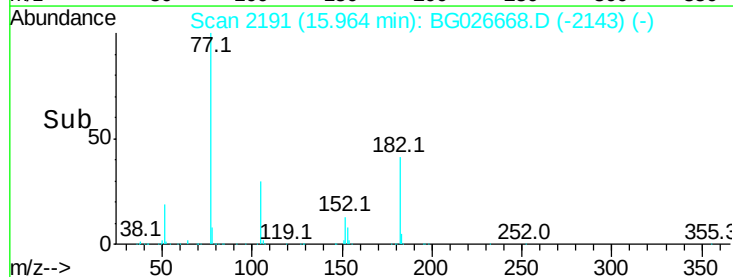
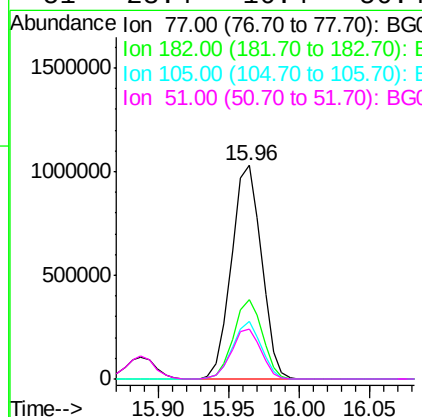
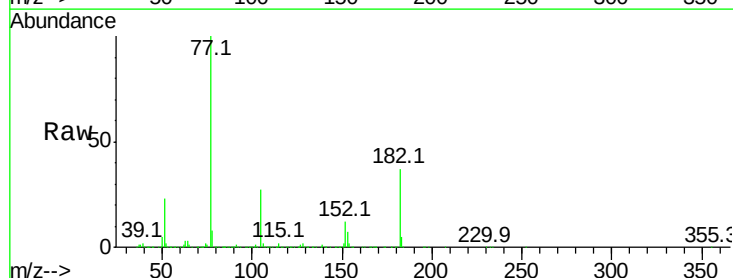
Instrument :  
BNA\_G  
ClientSampleId :

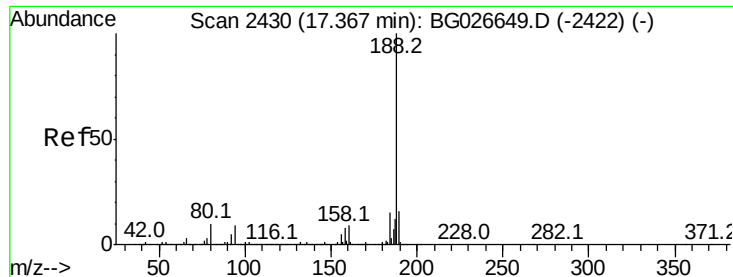
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 43.6  | 44.2  | 84.2#  |
| 108     | 56.2  | 104.8 | 144.8# |



#62  
Azobenzene  
Concen: 45.84 ng  
RT: 15.96 min Scan# 2191  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 37.1  | 4.7   | 44.7  |
| 105     | 27.0  | 0.0   | 36.3  |
| 51      | 23.4  | 16.4  | 56.4  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampled :

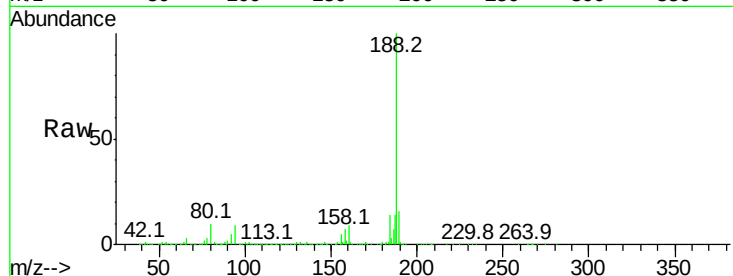
Tot Ion:188 Resp: 1257216

Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.8#

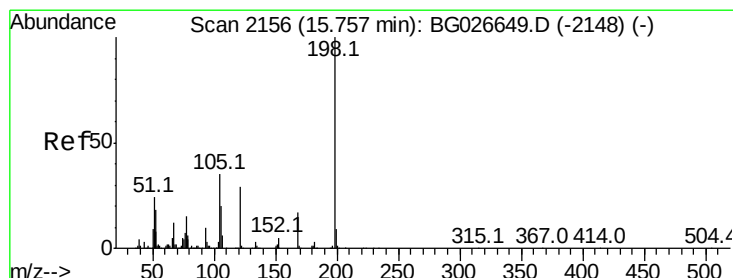
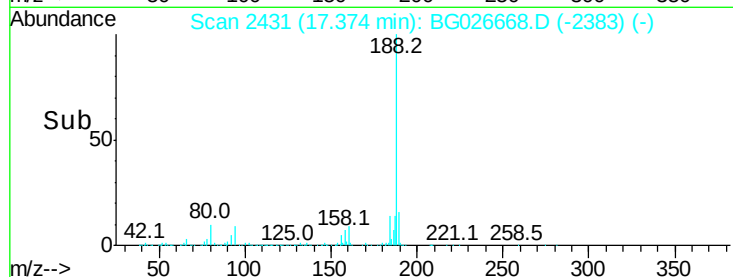
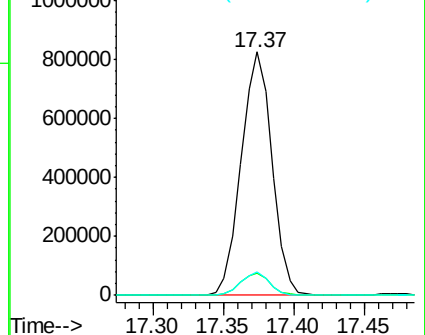
80 9.8 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 41.57 ng

RT: 15.76 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

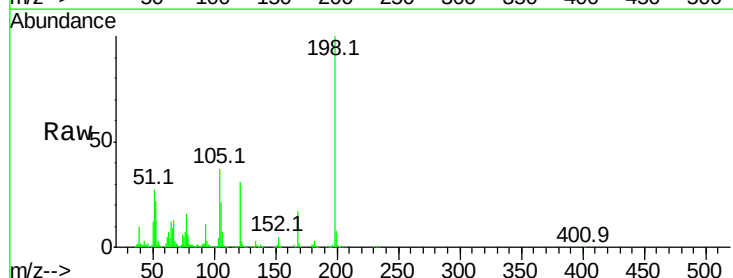
Tgt Ion:198 Resp: 352947

Ion Ratio Lower Upper

198 100

51 27.2 22.6 62.6

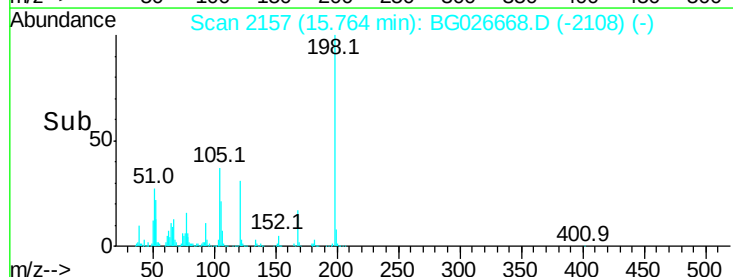
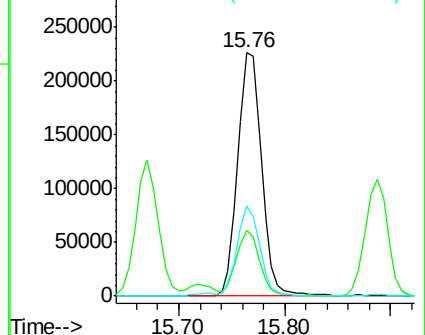
105 36.9 14.4 54.4

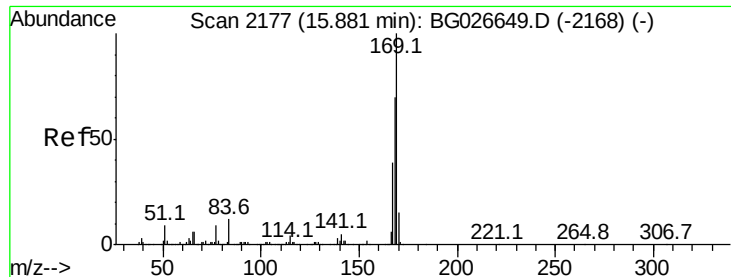


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

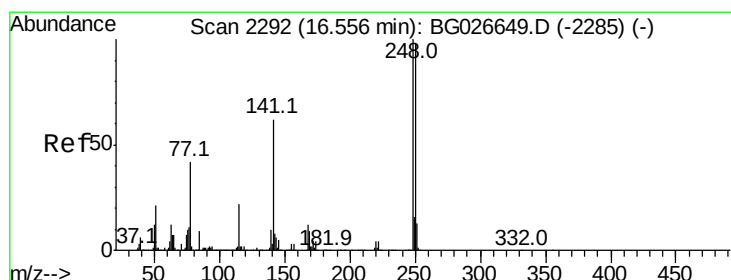
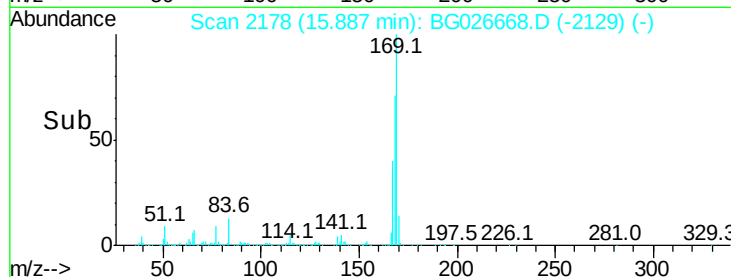
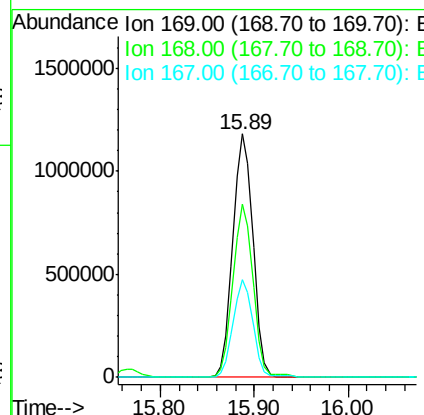
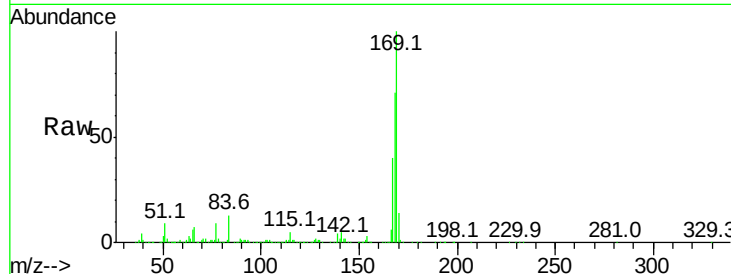




#65  
 n-Nitrosodiphenylamine  
 Concen: 48.42 ng  
 RT: 15.89 min Scan# 2178  
 Delta R.T. -0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

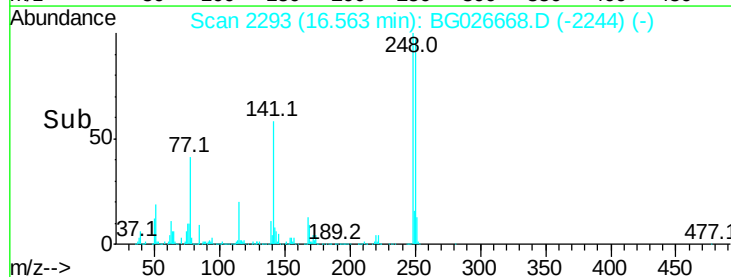
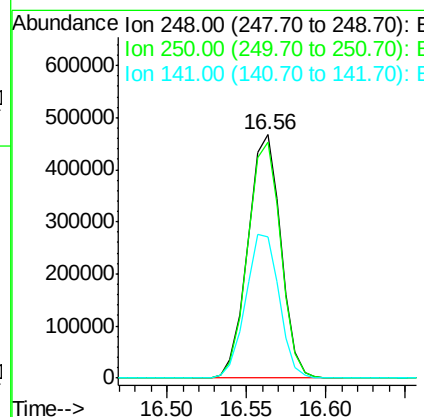
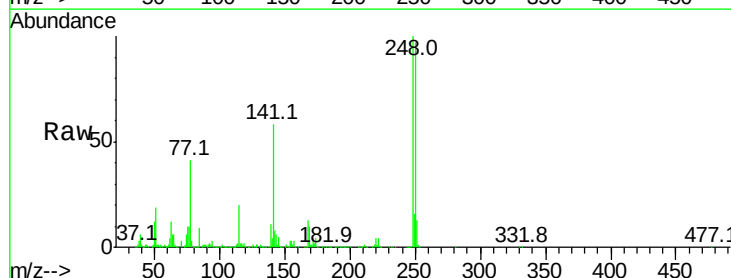
Instrument :  
 BNA\_G  
 ClientSampleId :

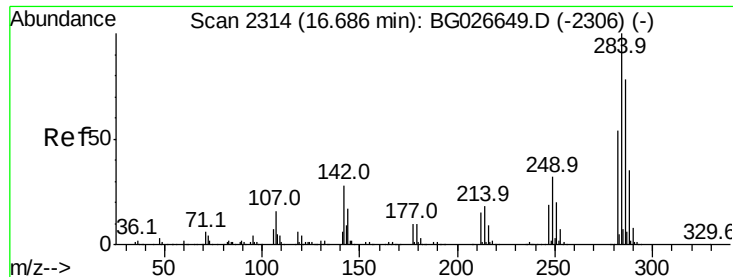
Tot Ion:169 Resp: 1755961  
 Ion Ratio Lower Upper  
 169 100  
 168 71.4 55.7 83.5  
 167 40.3 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 48.95 ng  
 RT: 16.56 min Scan# 2293  
 Delta R.T. -0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:248 Resp: 672430  
 Ion Ratio Lower Upper  
 248 100  
 250 97.0 75.0 112.6  
 141 58.2 55.2 82.8





#67

Hexachlorobenzene

Concen: 47.02 ng

RT: 16.69 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

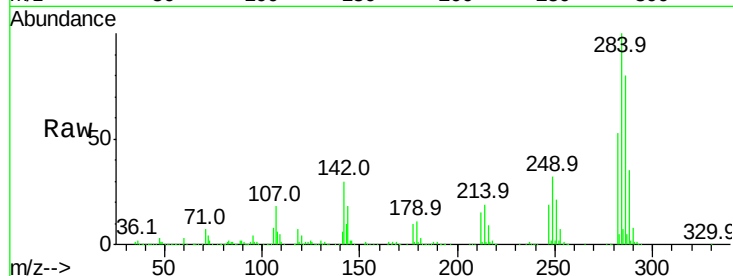
Tot Ion:284 Resp: 710144

Ion Ratio Lower Upper

284 100

142 30.0 29.9 44.9

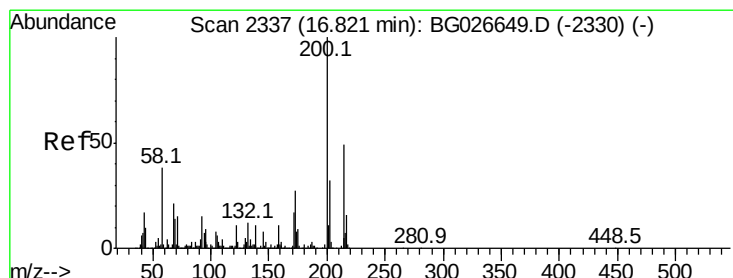
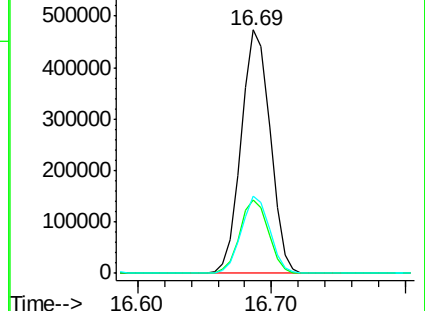
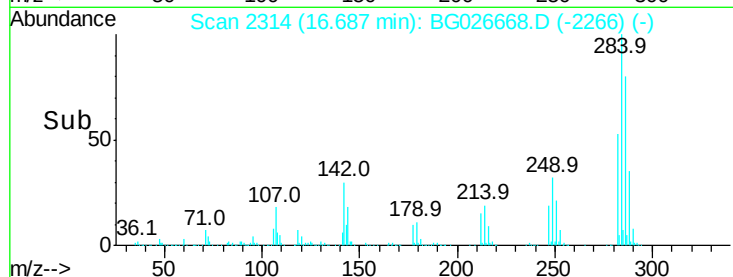
249 31.8 29.2 43.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 43.39 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

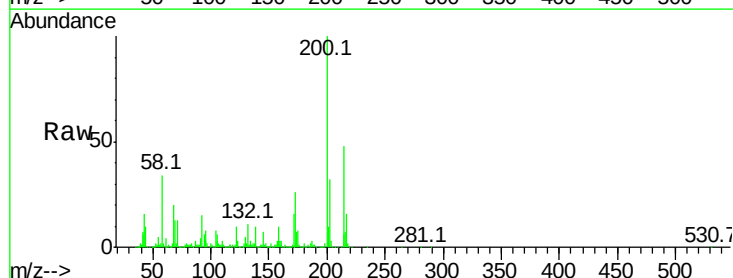
Tgt Ion:200 Resp: 615272

Ion Ratio Lower Upper

200 100

173 25.6 3.0 43.0

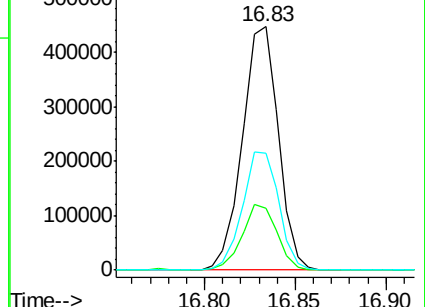
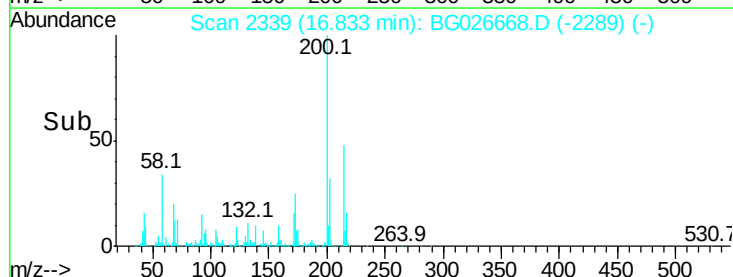
215 48.1 28.4 68.4

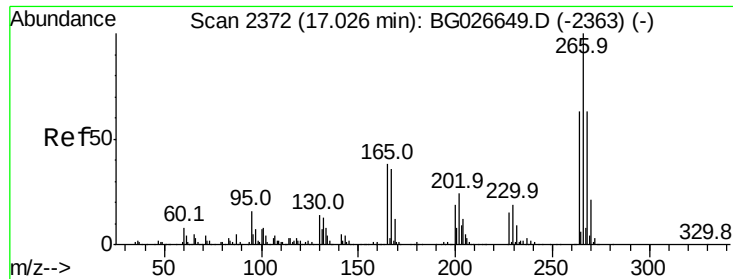


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

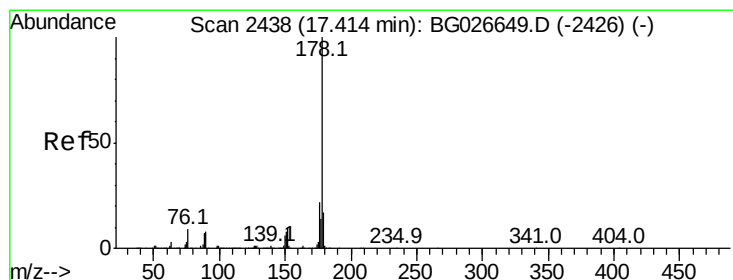
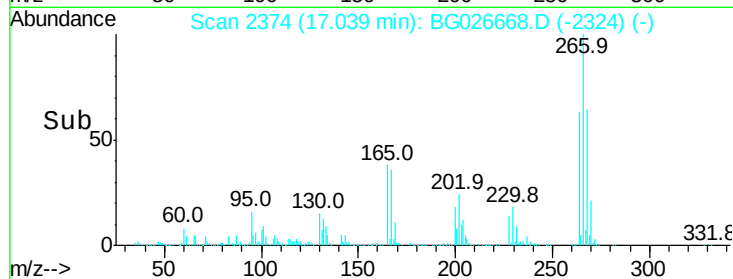
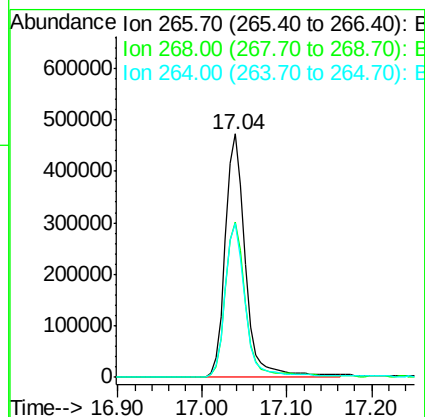
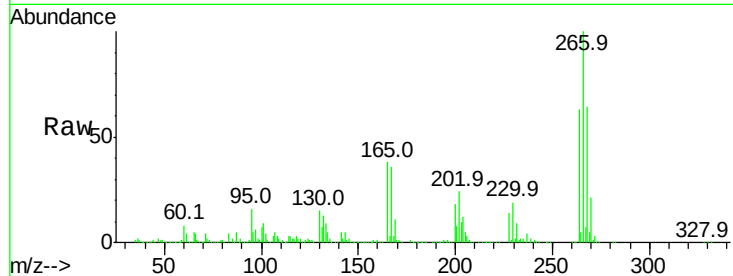




#69  
 Pentachlorophenol  
 Concen: 86.37 ng  
 RT: 17.04 min Scan# 2374  
 Delta R.T. -0.00 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

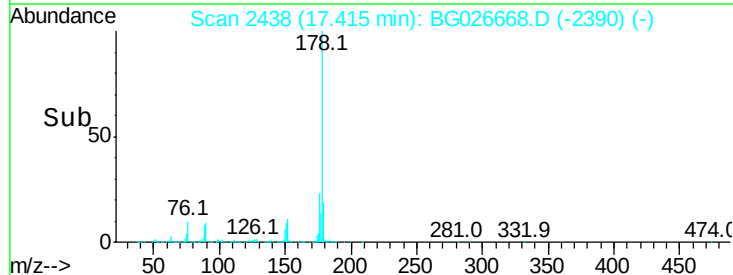
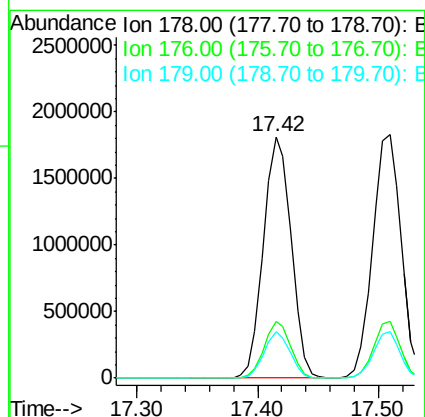
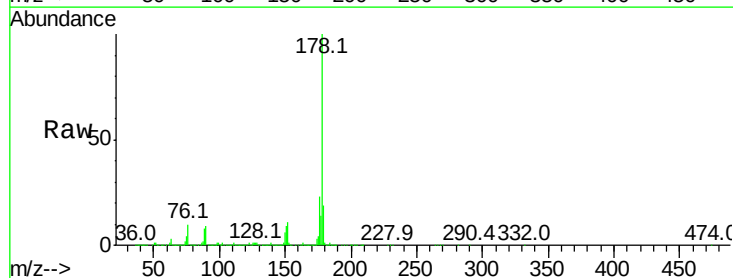
Instrument :  
 BNA\_G  
 ClientSampleId :

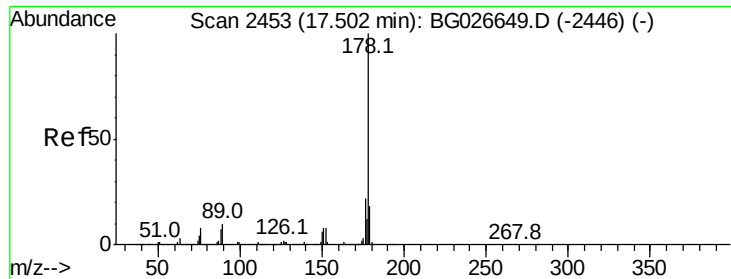
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 48.6  | 72.8  |
| 264     | 63.1  | 50.1  | 75.1  |



#70  
 Phenanthrene  
 Concen: 44.60 ng  
 RT: 17.42 min Scan# 2438  
 Delta R.T. -0.02 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 23.4  | 17.7  | 26.5  |
| 179     | 19.1  | 15.0  | 22.6  |

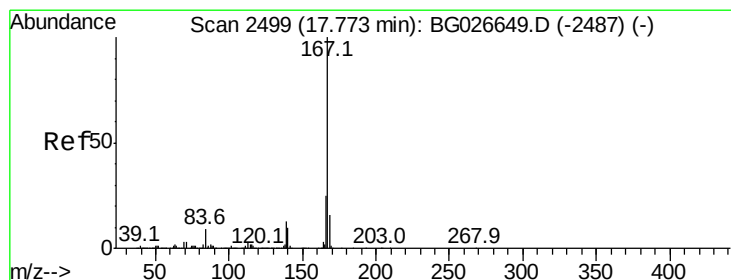
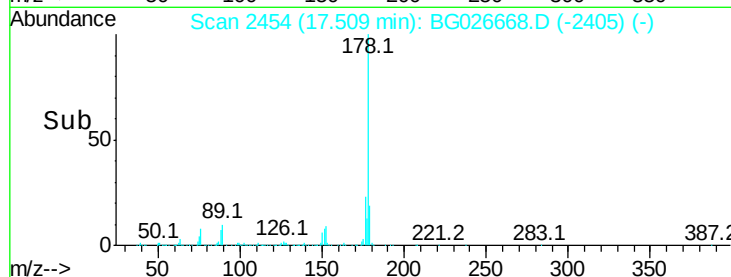
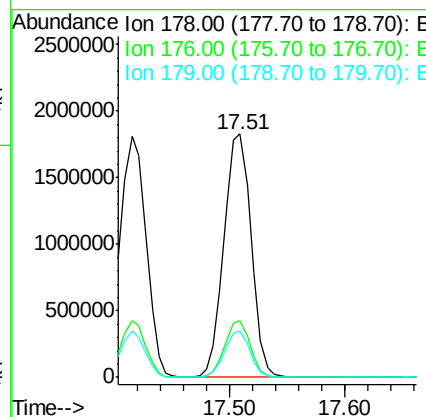
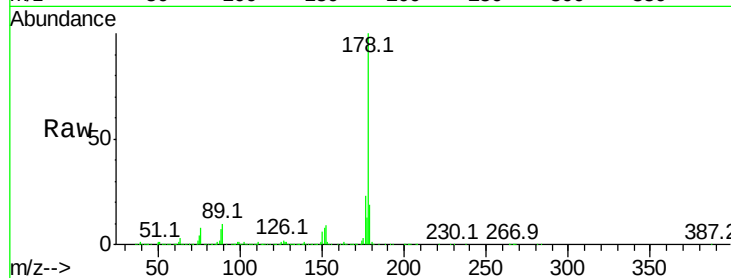




#71  
 Anthracene  
 Concen: 44.65 ng  
 RT: 17.51 min Scan# 2454  
 Delta R.T. -0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

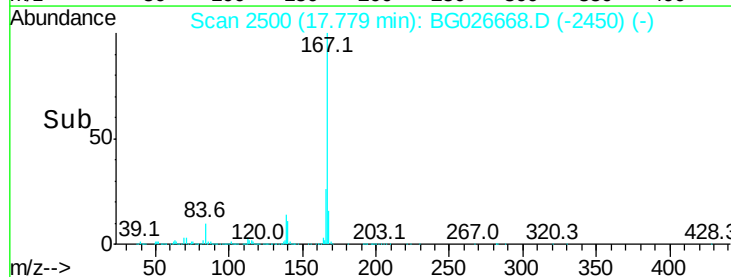
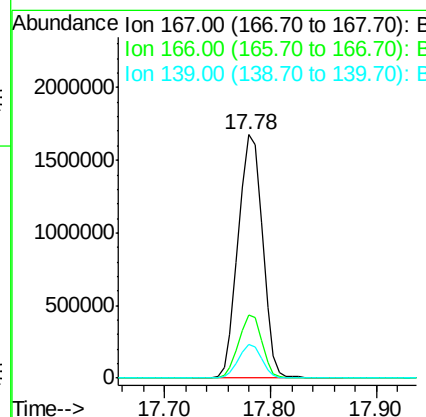
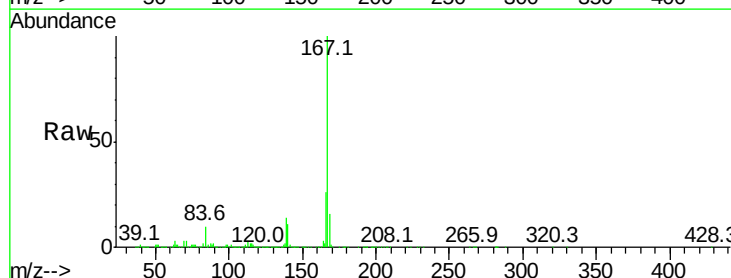
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:178 Resp: 2986540  
 Ion Ratio Lower Upper  
 178 100  
 176 23.1 16.4 24.6  
 179 19.0 13.8 20.8

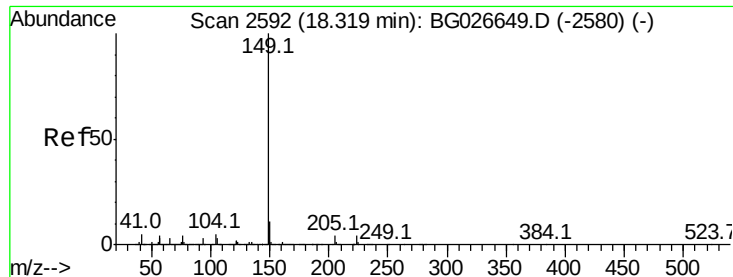


#72  
 Carbazole  
 Concen: 41.79 ng  
 RT: 17.78 min Scan# 2500  
 Delta R.T. -0.00 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:167 Resp: 2677040  
 Ion Ratio Lower Upper  
 167 100  
 166 26.2 20.2 30.2  
 139 13.8 12.8 19.2







#73

Di-n-butylphthalate

Concen: 42.76 ng

RT: 18.32 min Scan# 2592

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampled :

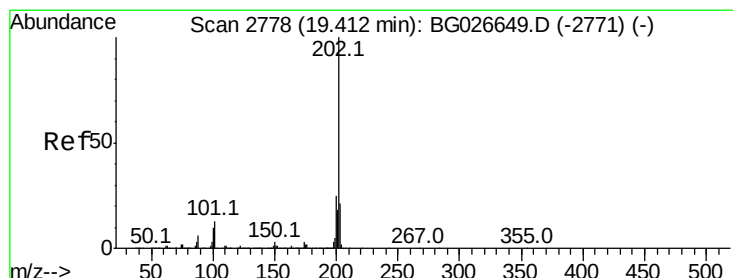
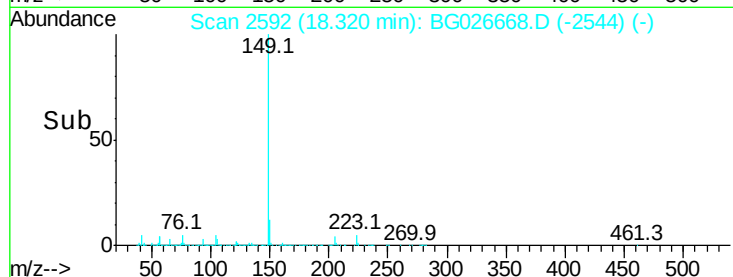
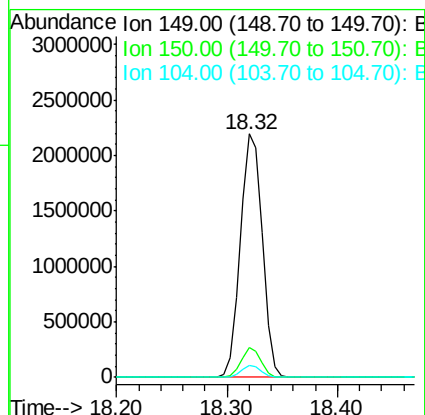
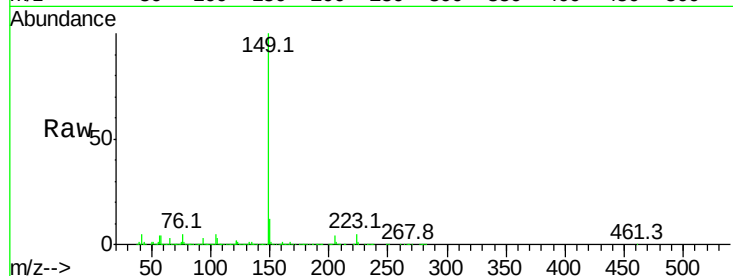
Tot Ion:149 Resp: 3071398

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 12.1  | 9.1   | 13.7  |
| 104 | 5.0   | 6.7   | 10.1  |

149 100

150 12.1 9.1 13.7

104 5.0 6.7 10.1



#74

Fluoranthene

Concen: 42.01 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

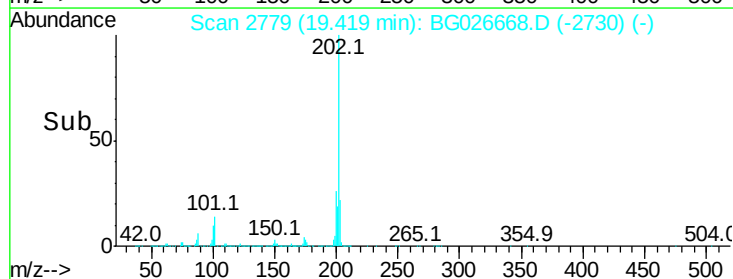
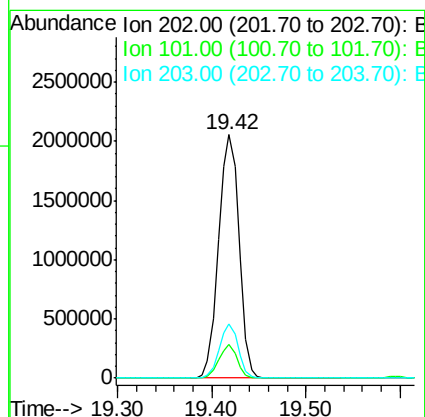
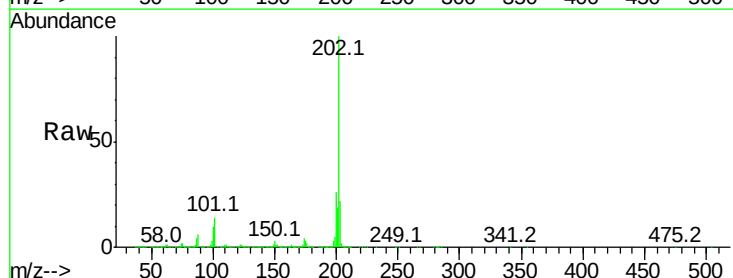
Tgt Ion:202 Resp: 3152977

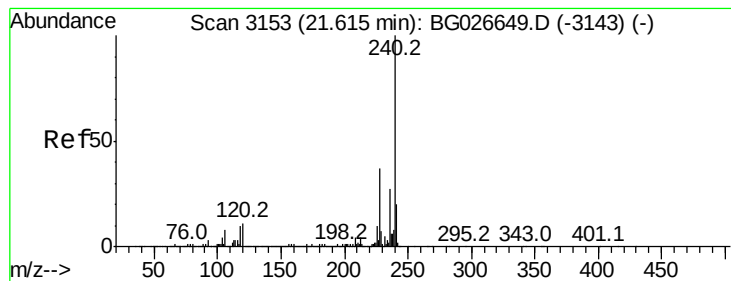
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.6  | 0.0   | 30.1  |
| 203 | 22.3  | 1.3   | 41.3  |

202 100

101 13.6 0.0 30.1

203 22.3 1.3 41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

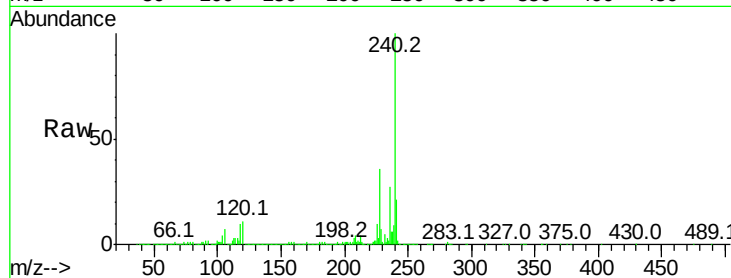
Tot Ion:240 Resp: 1289437

Ion Ratio Lower Upper

240 100

120 10.7 5.7 8.5#

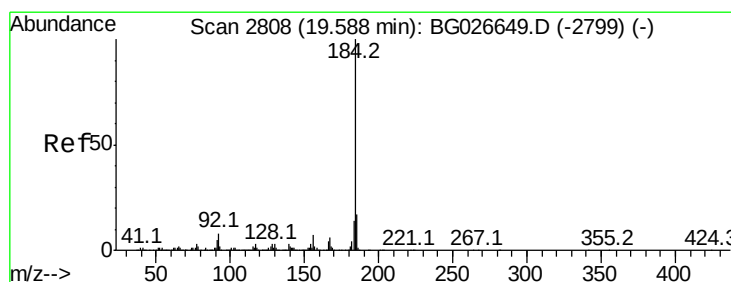
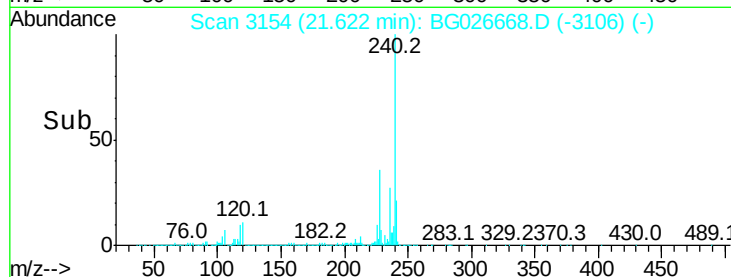
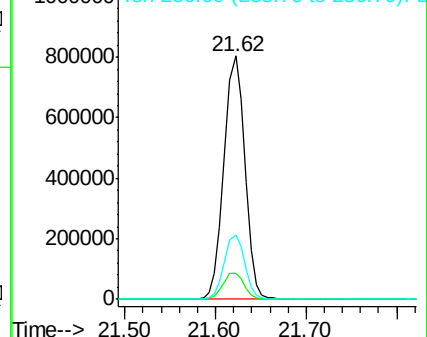
236 26.7 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 90.69 ng

RT: 19.60 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

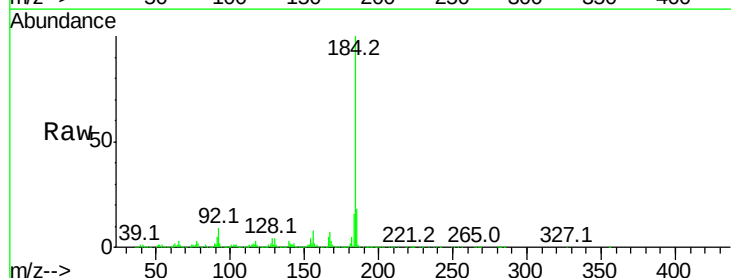
Tgt Ion:184 Resp: 3295792

Ion Ratio Lower Upper

184 100

185 17.9 13.0 19.6

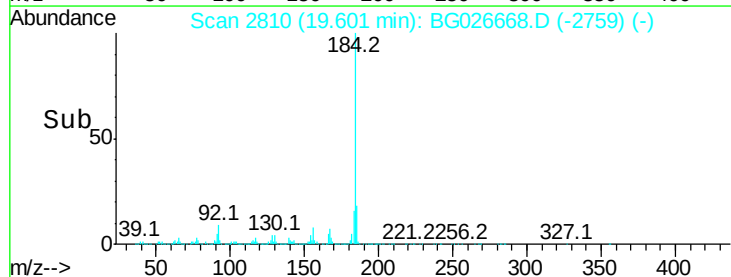
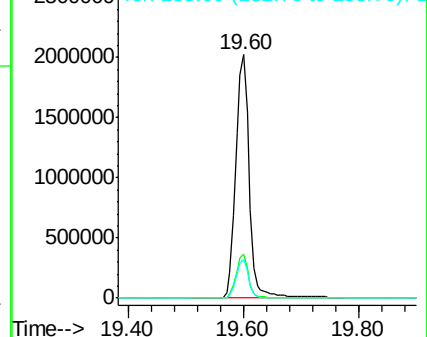
183 16.2 11.0 16.6

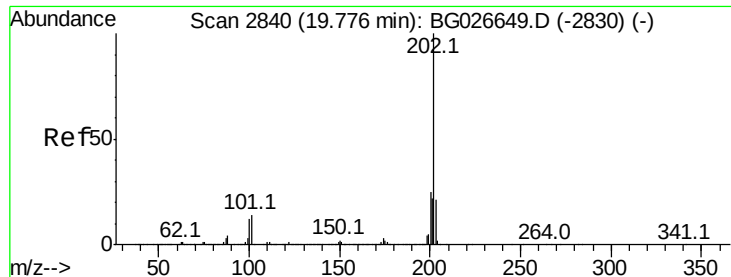


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 45.29 ng

RT: 19.78 min Scan# 2840

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

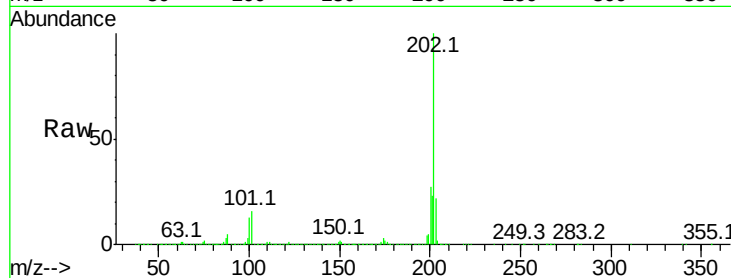
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:202 Resp: 3144305

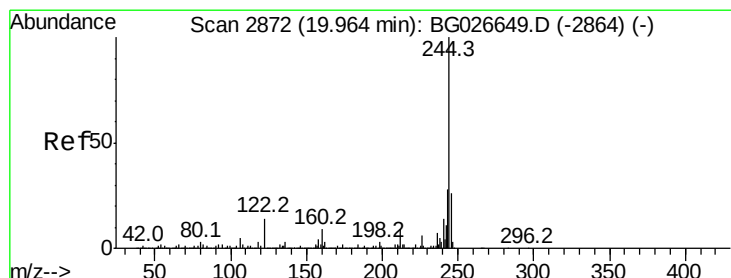
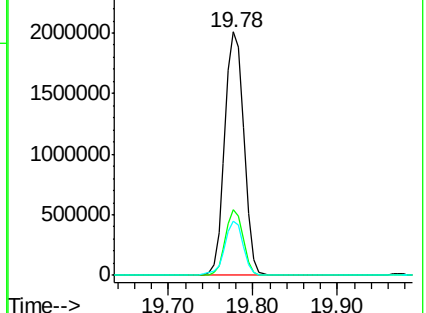
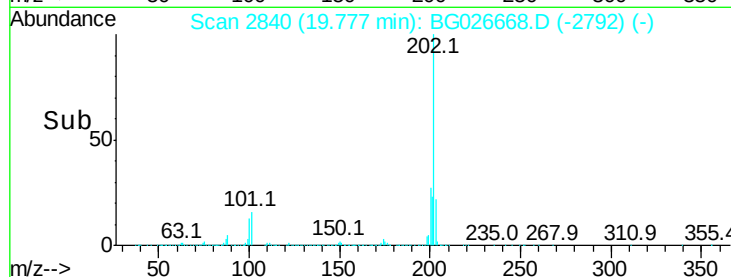
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 27.2  | 19.6  | 29.4  |
| 203 | 22.4  | 15.8  | 23.8  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 88.92 ng

RT: 19.97 min Scan# 2873

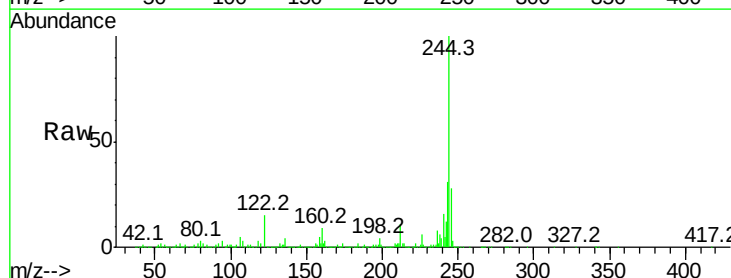
Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Tgt Ion:244 Resp: 3883866

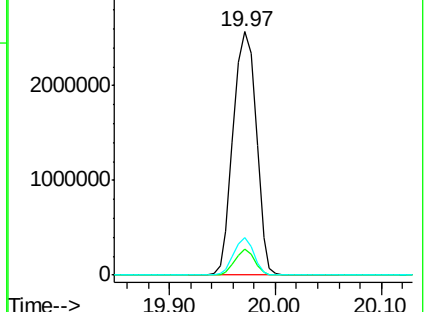
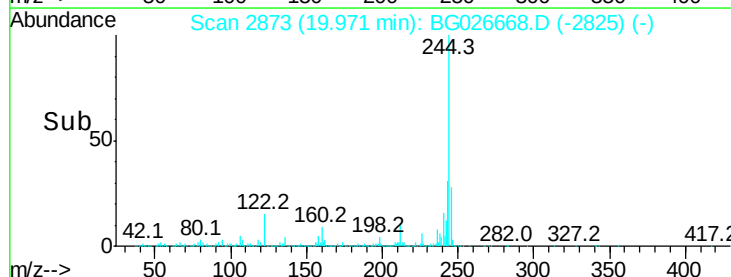
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.5  | 10.0  | 15.0  |
| 122 | 15.4  | 8.6   | 12.8  |

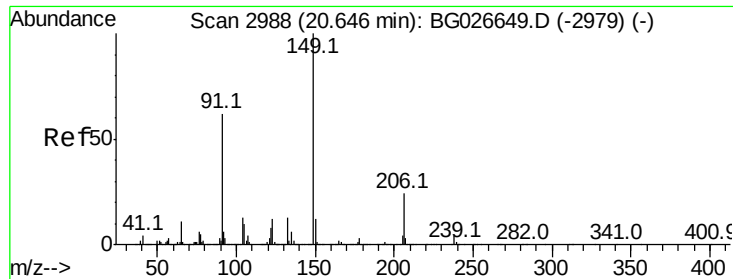


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

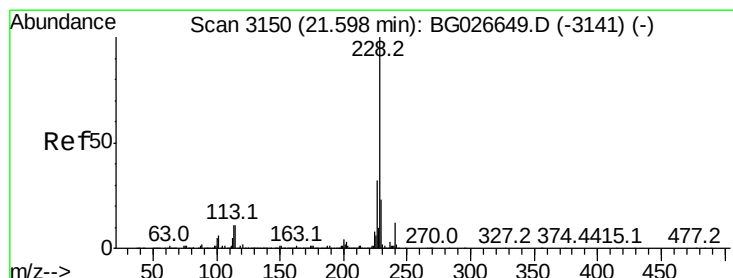
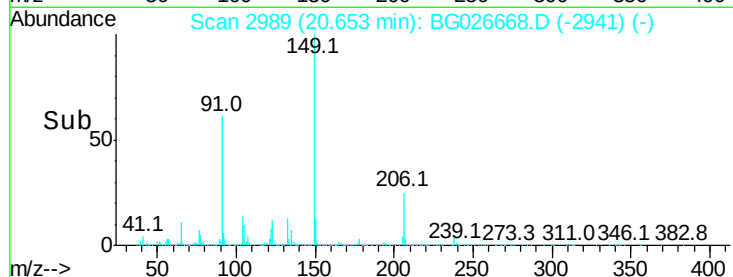
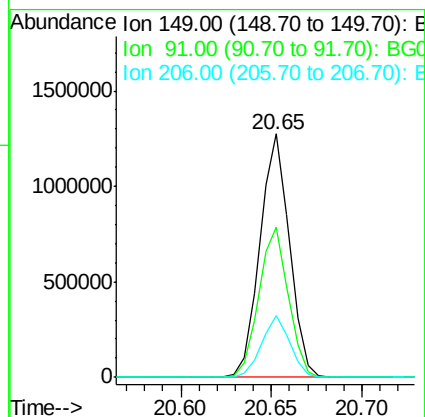
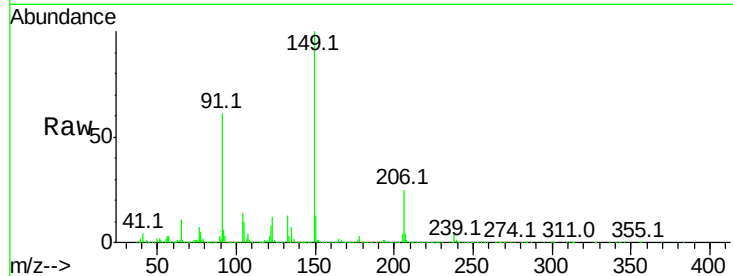




#79  
Butylbenzylphthalate  
Concen: 47.97 ng  
RT: 20.65 min Scan# 2989  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

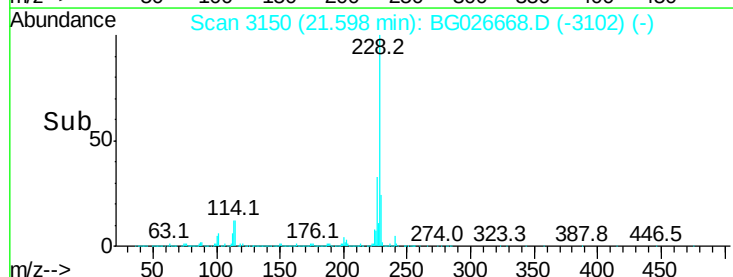
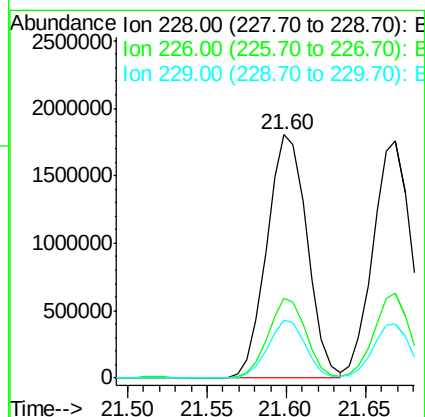
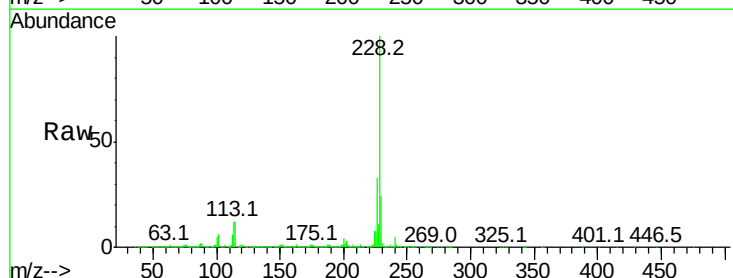
Instrument :  
BNA\_G  
ClientSampleId :

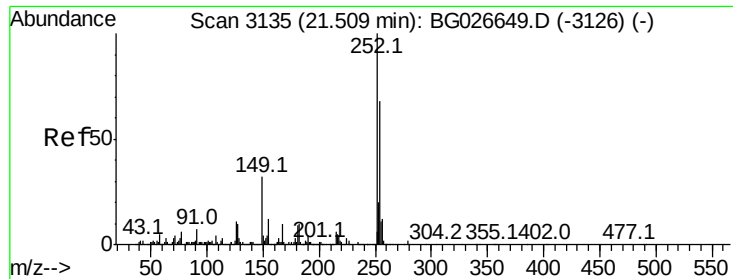
Tot Ion:149 Resp: 1432854  
Ion Ratio Lower Upper  
149 100  
91 61.4 63.5 95.3#  
206 25.4 21.0 31.6



#80  
Benzo(a)anthracene  
Concen: 45.63 ng  
RT: 21.60 min Scan# 3150  
Delta R.T. -0.02 min  
Lab File: BG026668.D  
Acq: 19 Apr 2017 22:50

Tgt Ion:228 Resp: 3177670  
Ion Ratio Lower Upper  
228 100  
226 32.9 24.9 37.3  
229 24.0 18.2 27.2



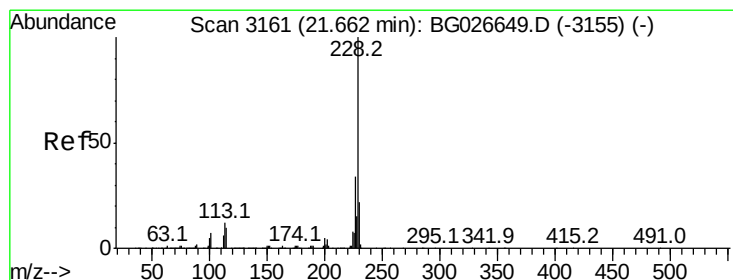
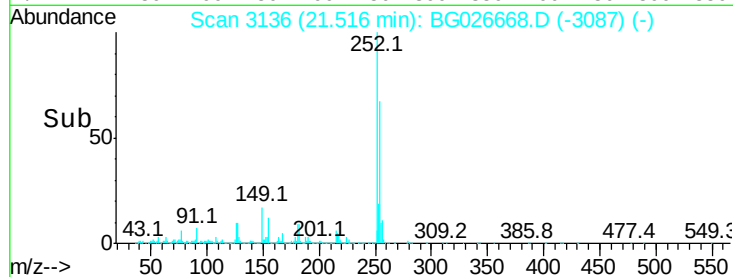
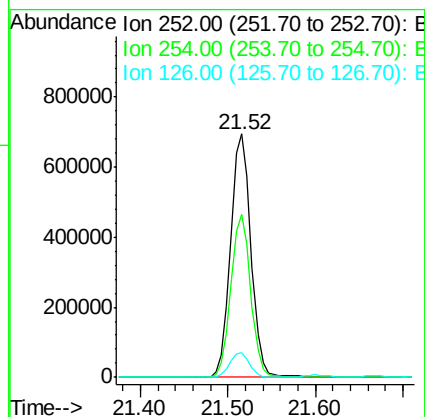
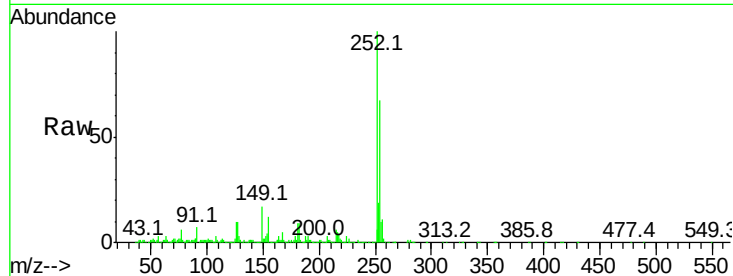


#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.23 ng  
 RT: 21.52 min Scan# 3136  
 Delta R.T. -0.01 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:252 Resp: 1104253  

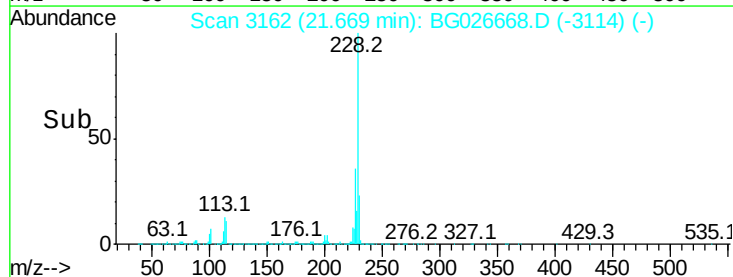
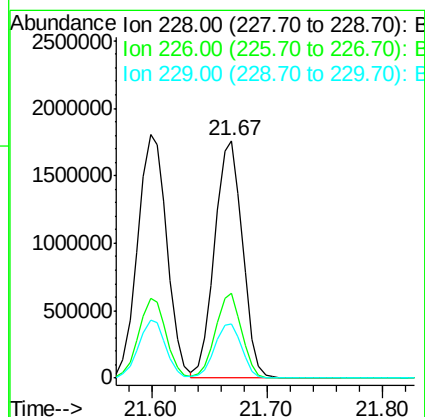
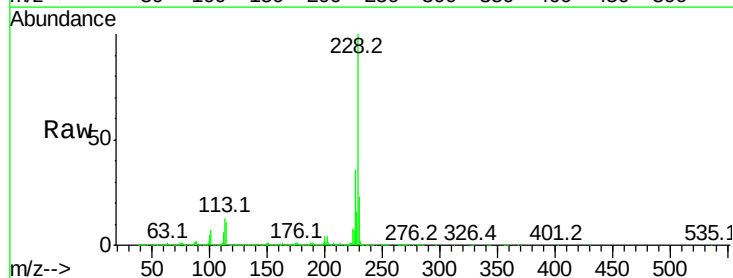
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 66.8  | 53.1  | 79.7  |
| 126 | 10.1  | 7.0   | 10.4  |

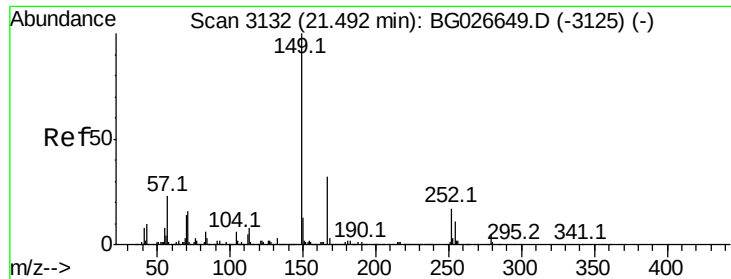


#82  
 Chrysene  
 Concen: 45.80 ng  
 RT: 21.67 min Scan# 3162  
 Delta R.T. -0.02 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:228 Resp: 2934951  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 35.5  | 27.0  | 40.4  |
| 229 | 23.0  | 17.8  | 26.6  |

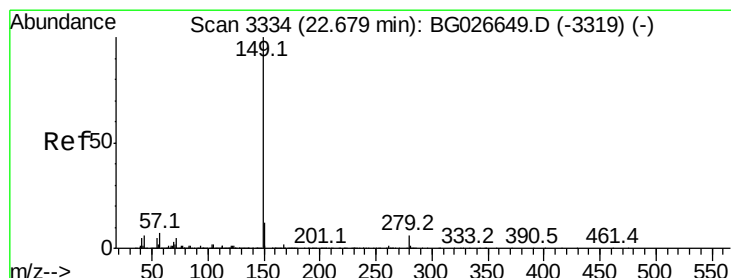
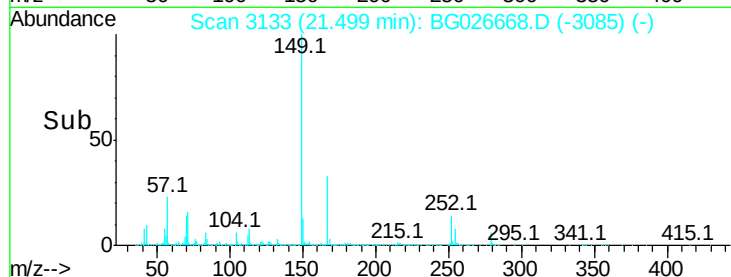
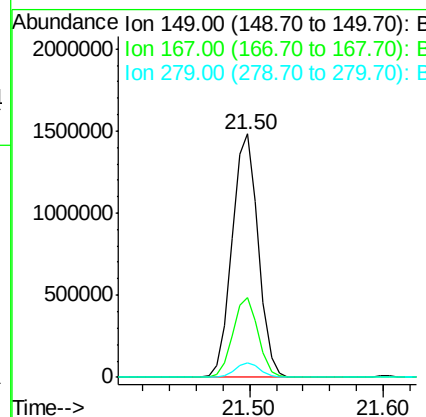
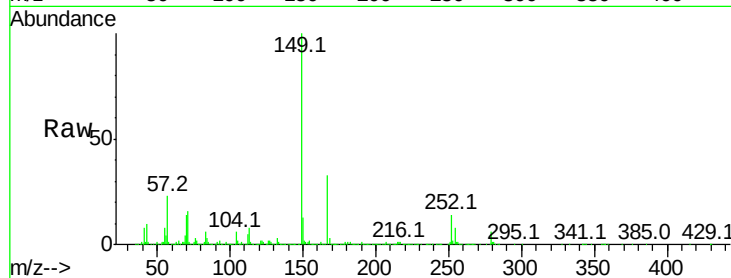




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.13 ng  
 RT: 21.50 min Scan# 3133  
 Delta R.T. -0.02 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

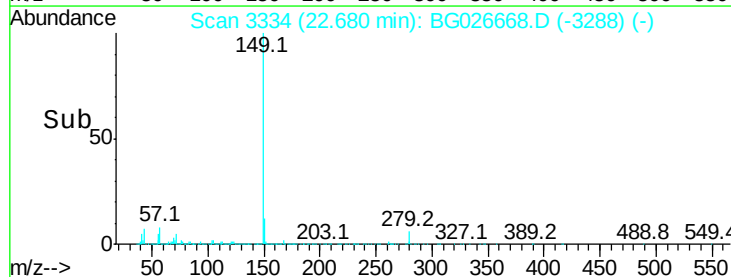
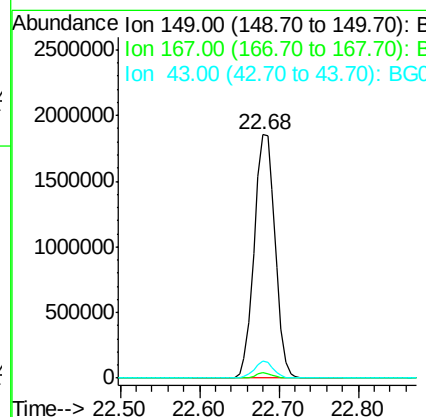
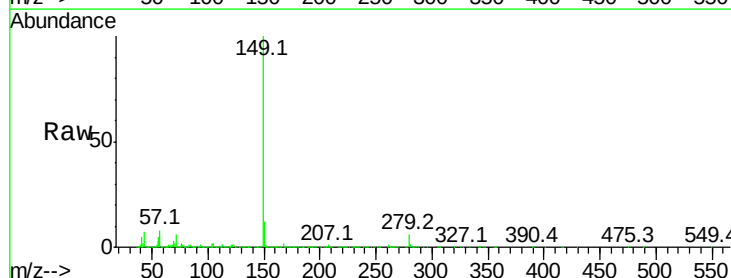
Instrument :  
 BNA\_G  
 ClientSampleId :

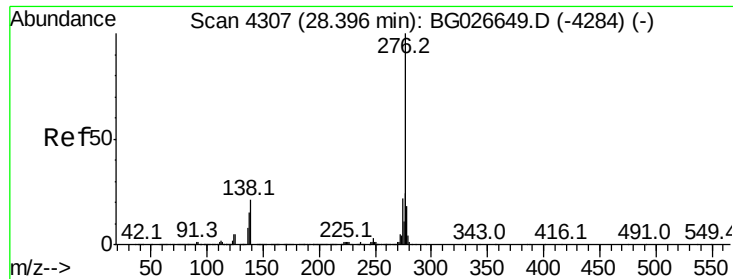
Tot Ion:149 Resp: 2028838  
 Ion Ratio Lower Upper  
 149 100  
 167 32.8 23.7 35.5  
 279 6.0 4.6 6.8



#84  
 Di-n-octyl phthalate  
 Concen: 47.29 ng  
 RT: 22.68 min Scan# 3334  
 Delta R.T. -0.03 min  
 Lab File: BG026668.D  
 Acq: 19 Apr 2017 22:50

Tgt Ion:149 Resp: 3398985  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.4 2.2  
 43 6.1 11.8 17.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 47.38 ng

RT: 28.41 min Scan# 4309

Delta R.T. -0.05 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

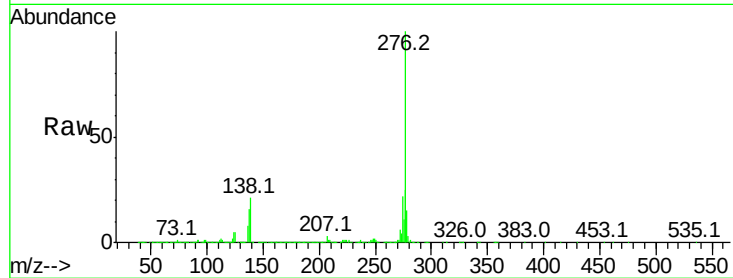
Tot Ion:276 Resp: 4162641

Ion Ratio Lower Upper

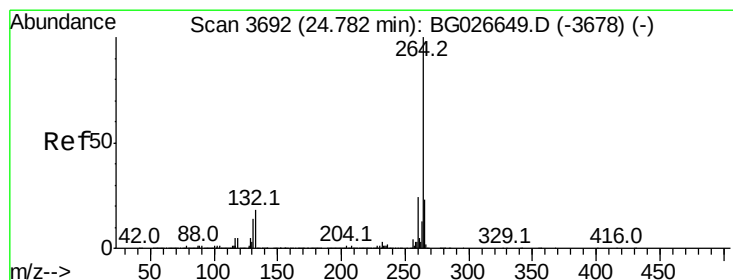
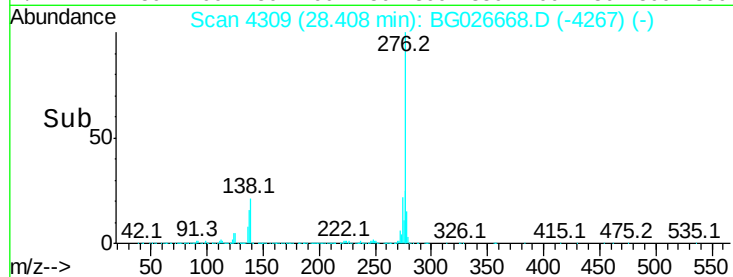
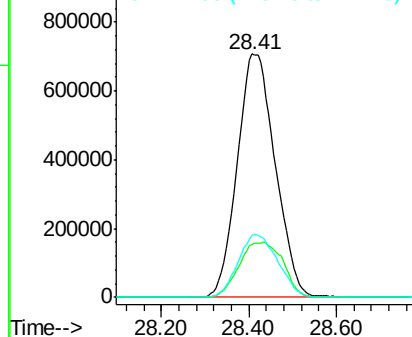
276 100

138 0.0 4.7 7.1#

277 26.9 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.79 min Scan# 3694

Delta R.T. -0.03 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

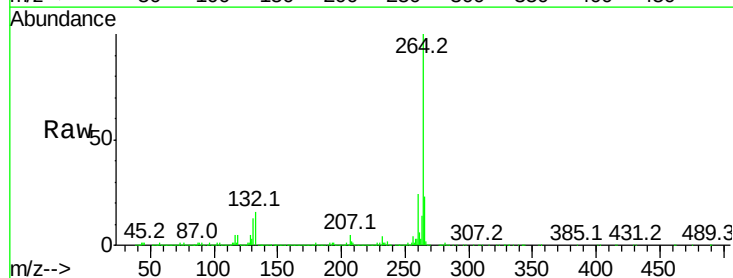
Tgt Ion:264 Resp: 1297273

Ion Ratio Lower Upper

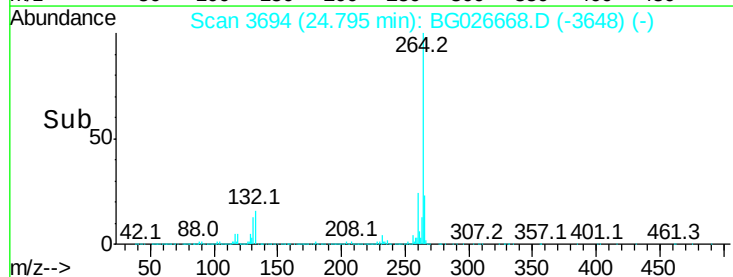
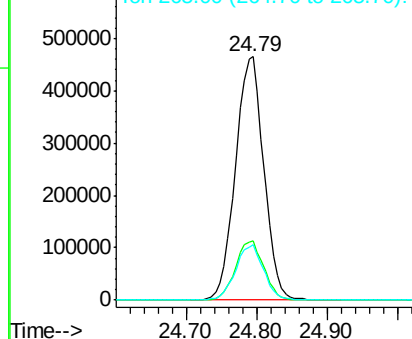
264 100

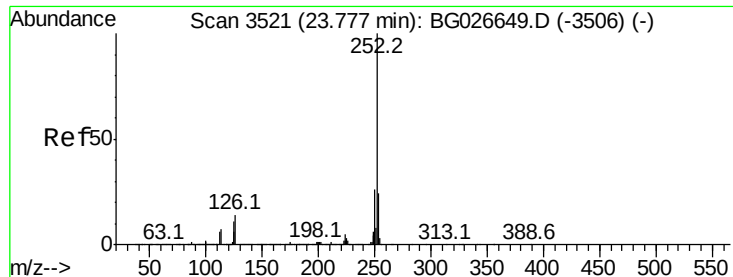
260 24.2 21.8 32.8

265 22.9 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 46.48 ng

RT: 23.78 min Scan# 3522

Delta R.T. -0.03 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

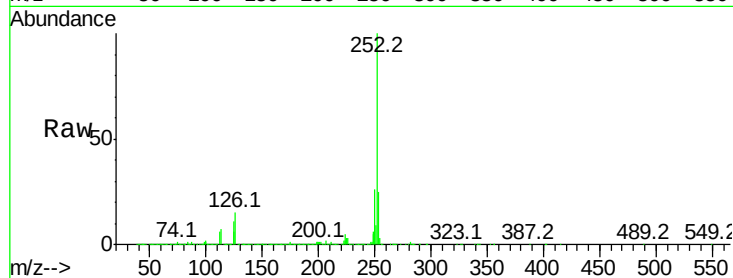
Tot Ion:252 Resp: 3452407

Ion Ratio Lower Upper

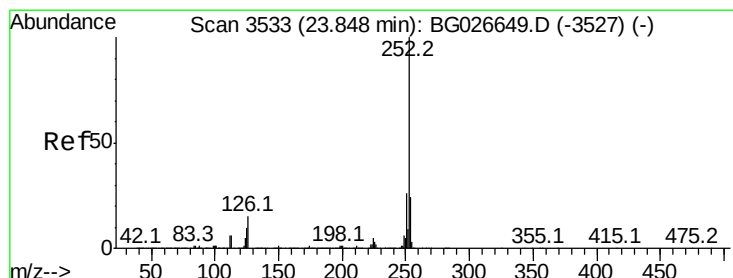
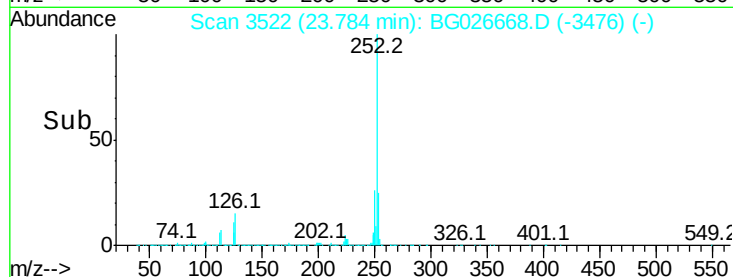
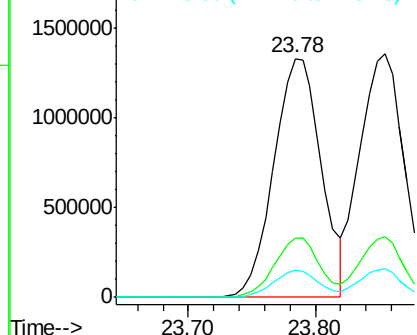
252 100

253 24.6 18.7 28.1

125 11.4 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 45.74 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.02 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

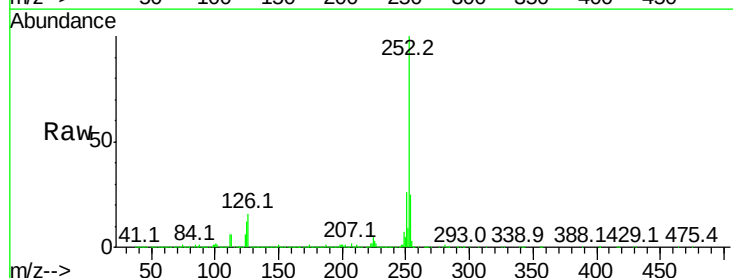
Tgt Ion:252 Resp: 3274434

Ion Ratio Lower Upper

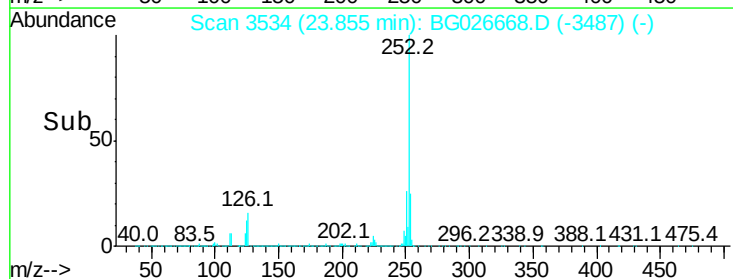
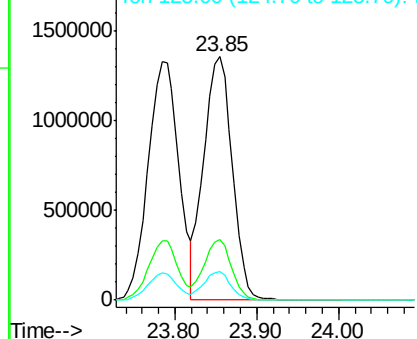
252 100

253 24.8 20.2 30.2

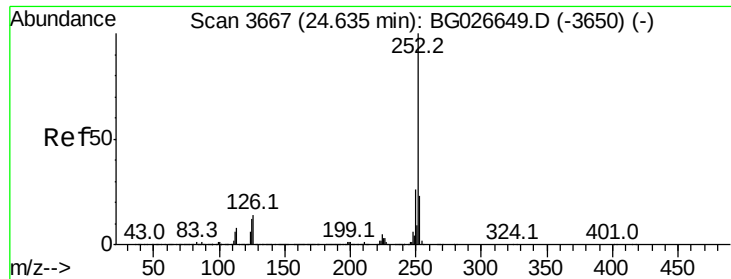
125 11.6 5.1 7.7#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E







#89

Benzo(a)pyrene

Concen: 46.46 ng

RT: 24.65 min Scan# 3669

Delta R.T. -0.03 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

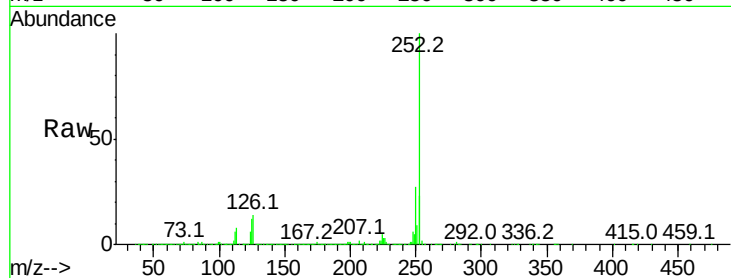
Tot Ion:252 Resp: 3331737

Ion Ratio Lower Upper

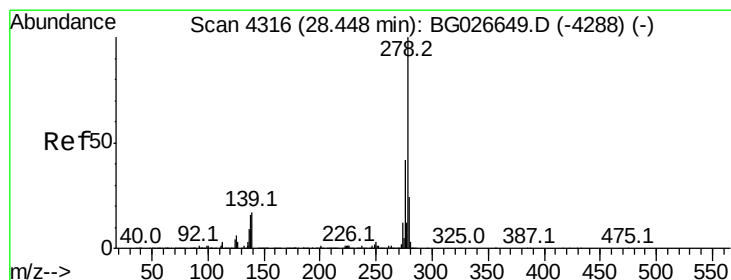
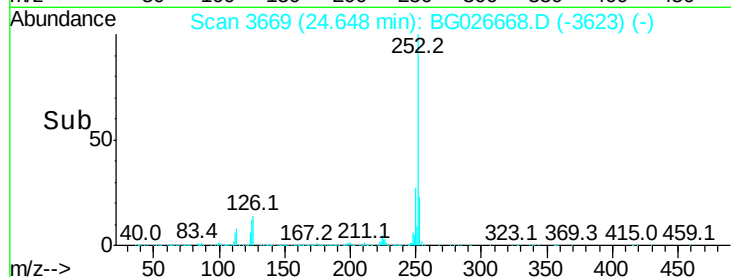
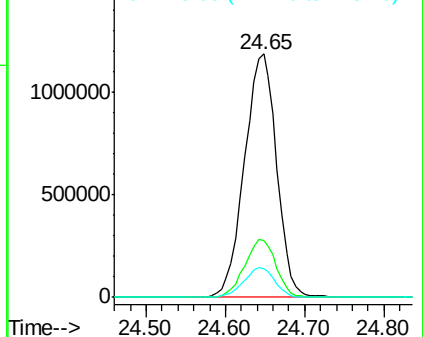
252 100

253 23.4 19.2 28.8

125 11.7 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.81 ng

RT: 28.46 min Scan# 4318

Delta R.T. -0.05 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

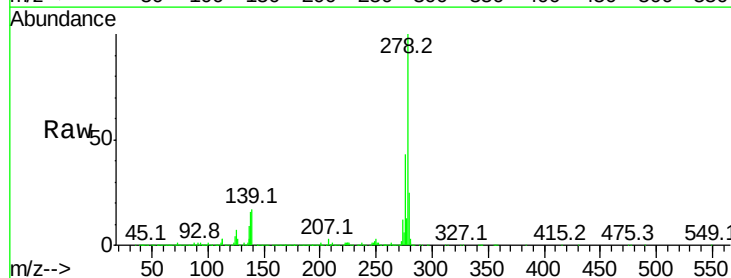
Tgt Ion:278 Resp: 3521584

Ion Ratio Lower Upper

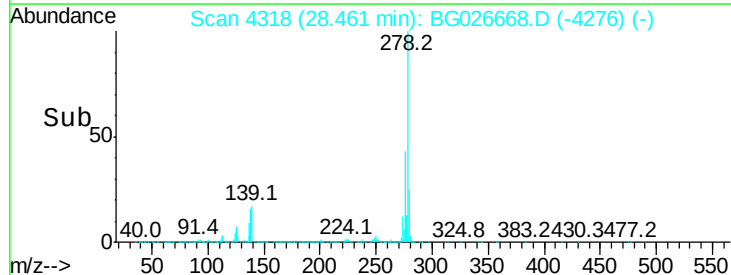
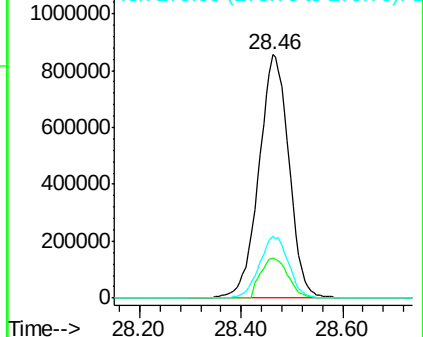
278 100

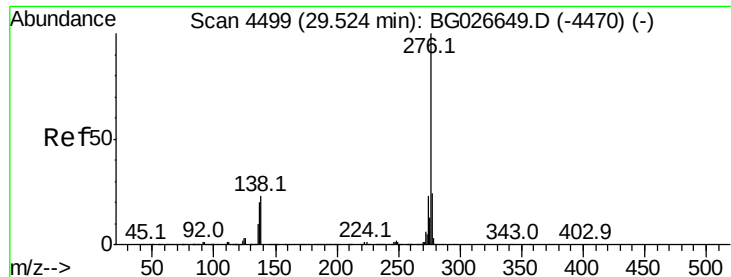
139 16.7 7.7 11.5#

279 25.5 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 47.30 ng

RT: 29.55 min Scan# 4503

Delta R.T. -0.04 min

Lab File: BG026668.D

Acq: 19 Apr 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

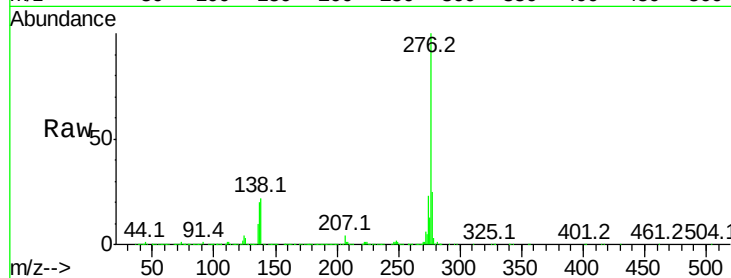
Tot Ion:276 Resp: 3483620

Ion Ratio Lower Upper

276 100

277 25.0 18.6 27.8

138 22.4 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

