

Data Path : Z:\HPCHEM1\BNA G\DATA\BG063017\  
 Data File : BG027761.D  
 Acq On : 30 Jun 2017 19:48  
 Operator : SJ/JU  
 Sample : PB100317BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

Quant Time: Jul 01 01:23:21 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.48  | 152  | 32779    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.30 | 136  | 165320   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.07 | 164  | 106115   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.82 | 188  | 259376   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.19 | 240  | 276884   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 25.79 | 264  | 262180   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.06  | 112 | 297183  | 139.61 | ng | 0.00 |
| 7) Phenol-d6             | 7.62  | 99  | 418683  | 128.75 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.64  | 82  | 243527  | 82.11  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.56 | 330 | 203490  | 139.81 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.70 | 172 | 626037  | 84.26  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.40 | 244 | 1033583 | 87.51  | ng | 0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 4.05  | 88  | 26057   | 32.88  | ng | 93     |
| 3) Pyridine                    | 4.43  | 79  | 84218   | 34.51  | ng | 91     |
| 4) n-Nitrosodimethylamine      | 4.34  | 42  | 46934   | 39.22  | ng | 84     |
| 6) Aniline                     | 7.80  | 93  | 91506   | 24.28  | ng | 97     |
| 8) 2-Chlorophenol              | 8.04  | 128 | 107452  | 45.17  | ng | 92     |
| 9) Benzaldehyde                | 7.62  | 77  | 46819   | 24.20  | ng | 83     |
| 10) Phenol                     | 7.65  | 94  | 144822  | 45.01  | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 7.88  | 93  | 94144   | 38.52  | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 8.37  | 146 | 104403  | 41.26  | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 8.51  | 146 | 106160  | 40.49  | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.84  | 146 | 103981  | 40.91  | ng | 94     |
| 15) Benzyl Alcohol             | 8.71  | 79  | 90499   | 40.23  | ng | # 85   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99  | 45  | 207734  | 39.85  | ng | 97     |
| 17) 2-Methylphenol             | 8.90  | 107 | 96569   | 42.43  | ng | # 86   |
| 18) Hexachloroethane           | 9.56  | 117 | 38381   | 41.62  | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70  | 85722   | 36.23  | ng | 92     |
| 20) 3+4-Methylphenols          | 9.22  | 107 | 133139  | 40.56  | ng | 88     |
| 22) Acetophenone               | 9.29  | 105 | 155698  | 39.03  | ng | # 91   |
| 24) Nitrobenzene               | 9.69  | 77  | 121336  | 39.13  | ng | # 85   |
| 25) Isophorone                 | 10.20 | 82  | 237111  | 36.68  | ng | # 94   |
| 26) 2-Nitrophenol              | 10.40 | 139 | 58997   | 42.12  | ng | # 80   |
| 27) 2,4-Dimethylphenol         | 10.43 | 122 | 116529  | 44.42  | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.68 | 93  | 136748  | 37.31  | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 10.93 | 162 | 104004  | 45.24  | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 11.15 | 180 | 98304   | 41.93  | ng | 95     |
| 31) Naphthalene                | 11.35 | 128 | 343968  | 39.12  | ng | 98     |
| 32) Benzoic acid               | 10.56 | 122 | 51021   | 34.81  | ng | # 83   |
| 33) 4-Chloroaniline            | 11.46 | 127 | 23538   | 6.20   | ng | 91     |
| 34) Hexachlorobutadiene        | 11.62 | 225 | 56518   | 43.26  | ng | 98     |
| 35) Caprolactam                | 12.22 | 113 | 44317m  | 38.33  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.53 | 107 | 136501  | 42.20  | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.92 | 142 | 257565m | 39.33  | ng |        |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.28 | 216 | 115277  | 41.34  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.25 | 237 | 150916  | 114.79 | ng | 92     |

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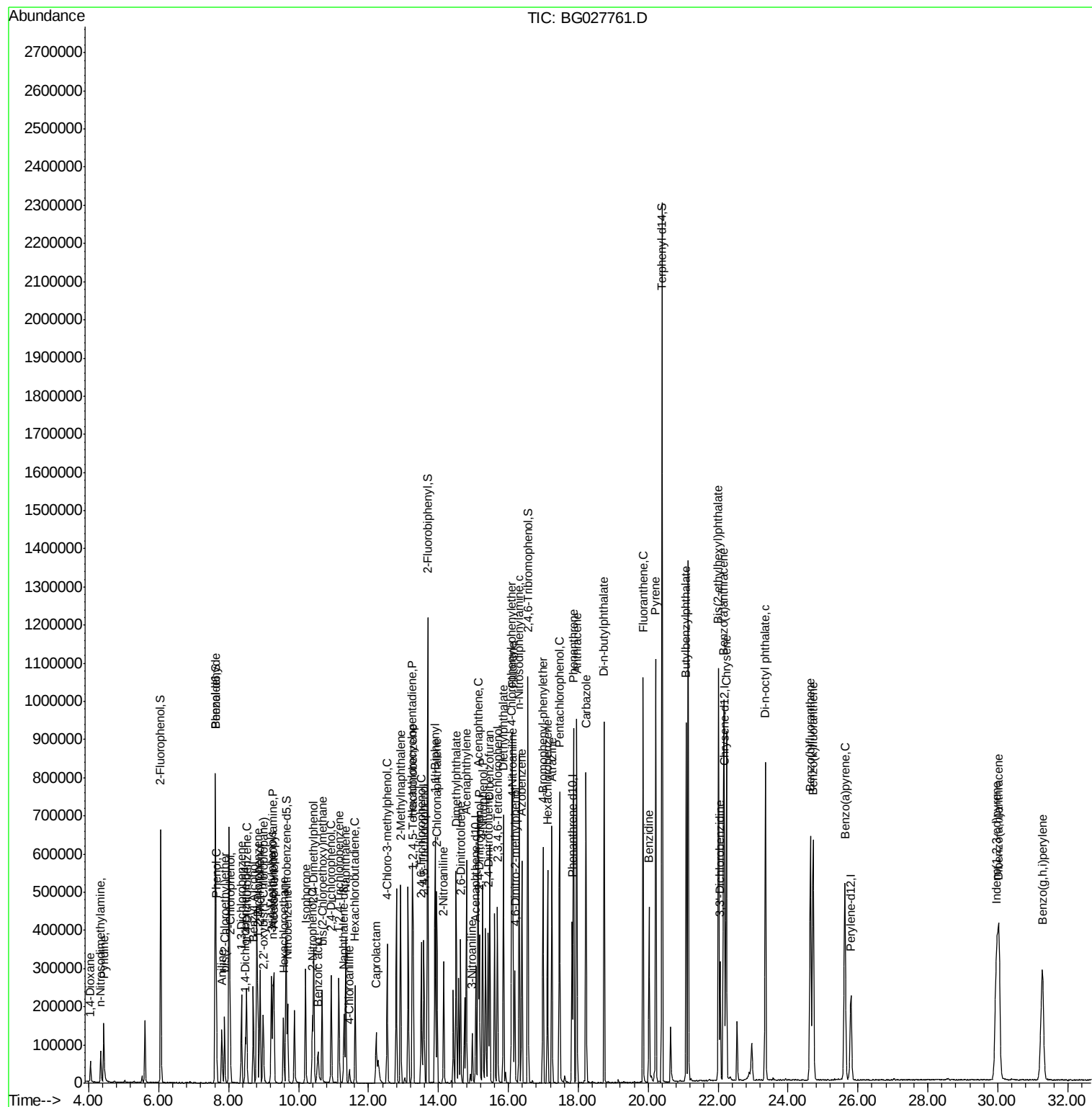
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.51 | 196  | 87666    | 43.53 | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 13.58 | 196  | 98724    | 43.26 | nq    | 96       |
| 45) 1,1'-Biphenyl              | 13.91 | 154  | 343165   | 40.35 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.96 | 162  | 258410   | 40.22 | nq    | 98       |
| 47) 2-Nitroaniline             | 14.15 | 65   | 104815   | 40.75 | nq #  | 87       |
| 48) Acenaphthylene             | 14.80 | 152  | 446563   | 38.04 | nq    | 98       |
| 49) Dimethylphthalate          | 14.51 | 163  | 365632   | 40.39 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.64 | 165  | 80988    | 41.16 | nq #  | 76       |
| 51) Acenaphthene               | 15.13 | 154  | 280272   | 37.25 | nq    | 94       |
| 52) 3-Nitroaniline             | 14.97 | 138  | 35203    | 15.21 | nq #  | 82       |
| 53) 2,4-Dinitrophenol          | 15.18 | 184  | 91295    | 84.05 | nq    | 90       |
| 54) Dibenzofuran               | 15.47 | 168  | 423276   | 42.54 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.26 | 139  | 151354   | 85.65 | nq #  | 62       |
| 56) 2,4-Dinitrotoluene         | 15.42 | 165  | 118338   | 43.12 | nq #  | 88       |
| 57) Fluorene                   | 16.12 | 166  | 372377   | 38.60 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.69 | 232  | 92887m   | 47.22 | nq    |          |
| 59) Diethylphthalate           | 15.86 | 149  | 409558   | 40.86 | nq    | 94       |
| 60) 4-Chlorophenyl-phenylether | 16.09 | 204  | 174688   | 40.90 | nq    | 93       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 96693    | 40.09 | nq #  | 68       |
| 62) Azobenzene                 | 16.39 | 77   | 378583   | 42.98 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.19 | 198  | 64775    | 41.02 | nq    | 80       |
| 65) n-Nitrosodiphenylamine     | 16.31 | 169  | 339973   | 40.29 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.99 | 248  | 117671   | 43.38 | nq #  | 92       |
| 67) Hexachlorobenzene          | 17.12 | 284  | 121617   | 42.33 | nq    | 97       |
| 68) Atrazine                   | 17.25 | 200  | 119894   | 45.01 | nq    | 96       |
| 69) Pentachlorophenol          | 17.47 | 266  | 145693   | 79.47 | nq    | 97       |
| 70) Phenanthrene               | 17.87 | 178  | 613825   | 40.99 | nq    | 94       |
| 71) Anthracene                 | 17.95 | 178  | 612464   | 40.51 | nq    | 97       |
| 72) Carbazole                  | 18.22 | 167  | 554533   | 37.24 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.74 | 149  | 704236   | 43.03 | nq #  | 93       |
| 74) Fluoranthene               | 19.86 | 202  | 681096   | 41.62 | nq    | 93       |
| 76) Benzidine                  | 20.02 | 184  | 287180   | 43.87 | nq    | 97       |
| 77) Pyrene                     | 20.22 | 202  | 696252   | 40.07 | nq    | 96       |
| 79) Butylbenzylphthalate       | 21.09 | 149  | 328934   | 42.03 | nq #  | 89       |
| 80) Benzo(a)anthracene         | 22.16 | 228  | 677827   | 40.49 | nq    | 94       |
| 81) 3,3'-Dichlorobenzidine     | 22.06 | 252  | 122058   | 20.09 | nq #  | 99       |
| 82) Chrysene                   | 22.24 | 228  | 625248   | 39.85 | nq    | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 22.01 | 149  | 468496   | 40.96 | nq #  | 96       |
| 84) Di-n-octyl phthalate       | 23.35 | 149  | 797475   | 42.21 | nq #  | 91       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.96 | 276  | 770361   | 42.96 | nq #  | 88       |
| 87) Benzo(b)fluoranthene       | 24.64 | 252  | 668254   | 39.56 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 24.72 | 252  | 666172   | 39.90 | nq #  | 93       |
| 89) Benzo(a)pyrene             | 25.63 | 252  | 640067   | 40.38 | nq #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 30.03 | 278  | 657168   | 40.93 | nq #  | 94       |
| 91) Benzo(g,h,i)perylene       | 31.28 | 276  | 623364   | 40.40 | nq #  | 89       |

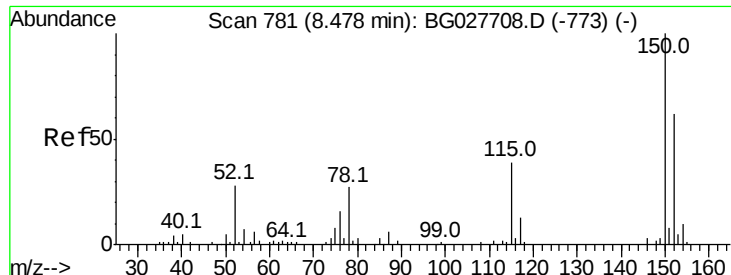
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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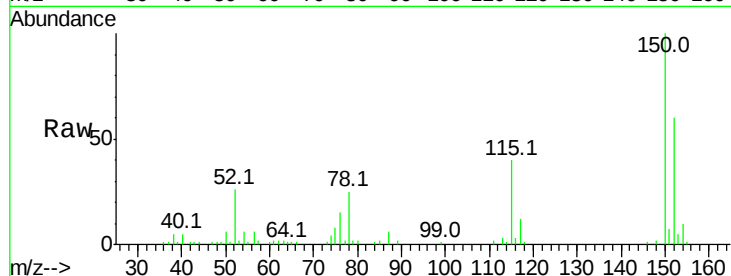


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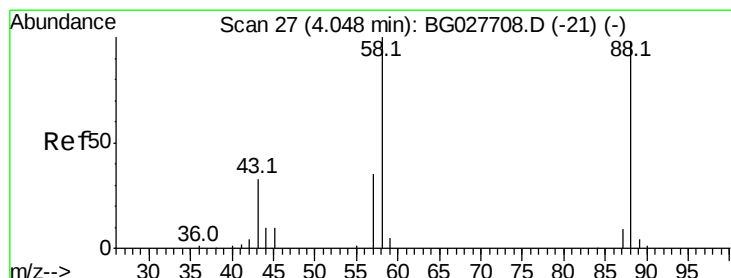
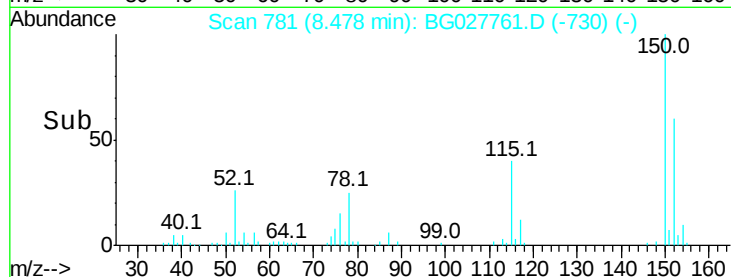
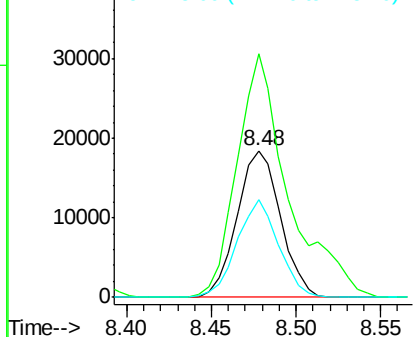
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.48 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

Tot Ion:152 Resp: 32779  
Ion Ratio Lower Upper  
152 100  
150 165.9 114.0 171.0  
115 66.8 48.1 72.1



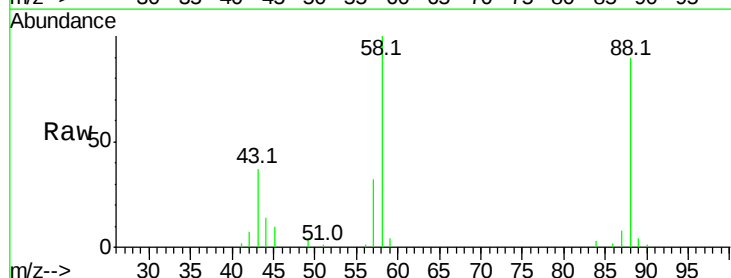
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



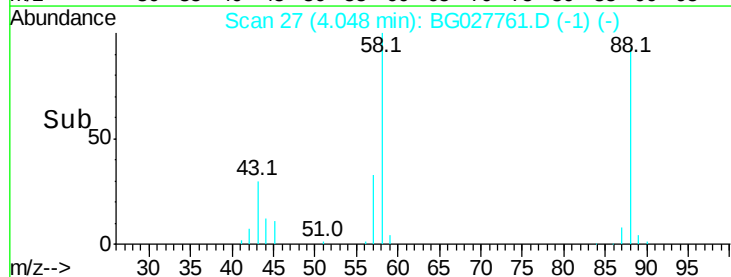
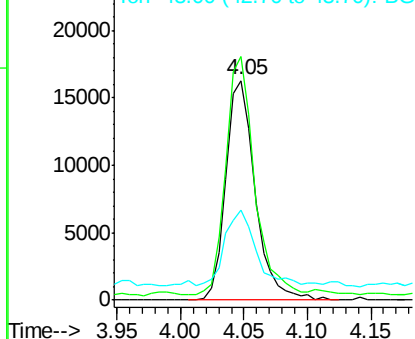
#2

1,4-Dioxane  
Concen: 32.88 ng  
RT: 4.05 min Scan# 27  
Delta R.T. -0.00 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion: 88 Resp: 26057  
Ion Ratio Lower Upper  
88 100  
58 105.4 79.4 119.2  
43 35.6 33.8 50.6



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





#3

Pvridine

Concen: 34.51 ng

RT: 4.43 min Scan# 92

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

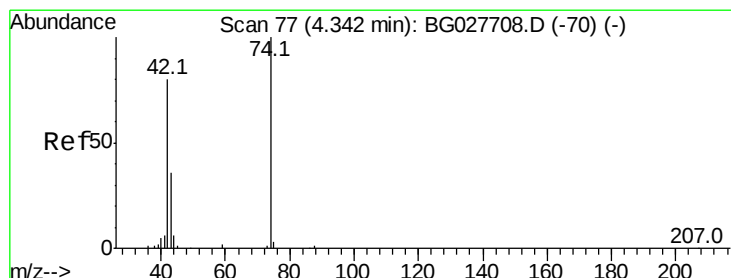
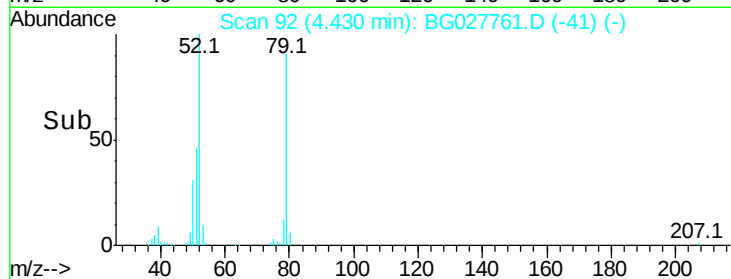
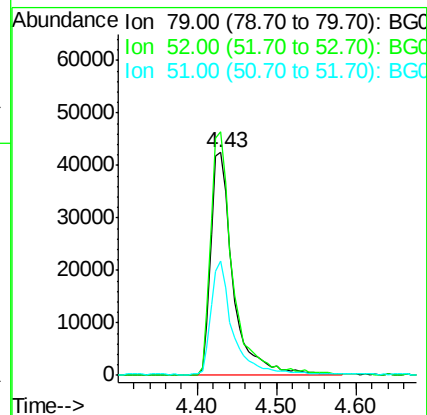
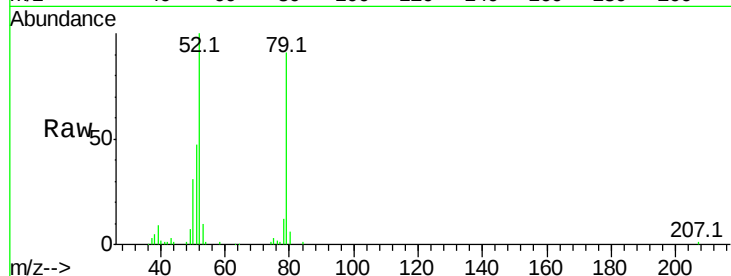
Tot Ion: 79 Resp: 84218

Ion Ratio Lower Upper

79 100

52 109.3 77.8 116.6

51 51.1 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 39.22 ng

RT: 4.34 min Scan# 77

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

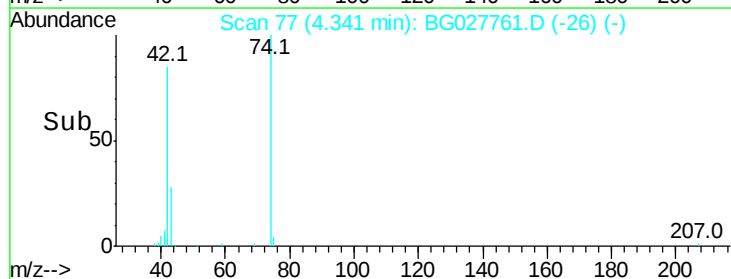
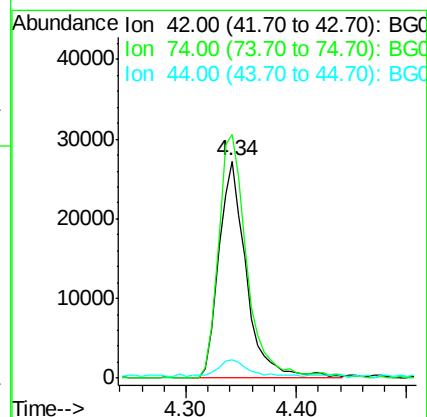
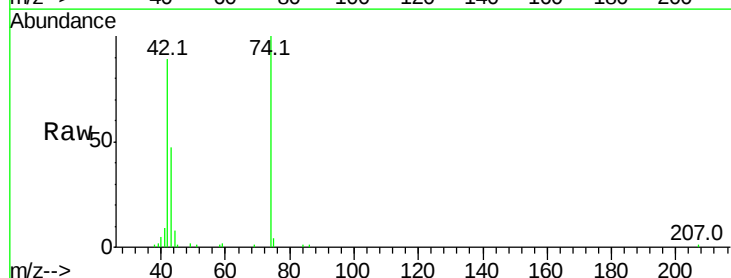
Tgt Ion: 42 Resp: 46934

Ion Ratio Lower Upper

42 100

74 112.2 76.7 115.1

44 8.6 6.1 9.1

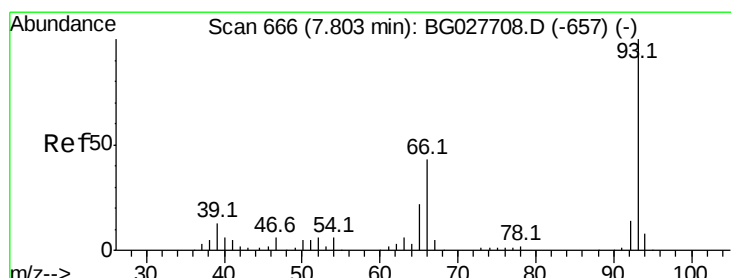
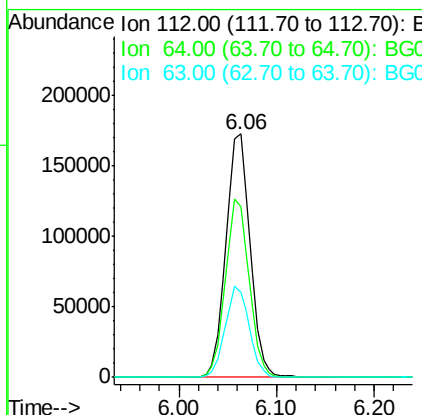
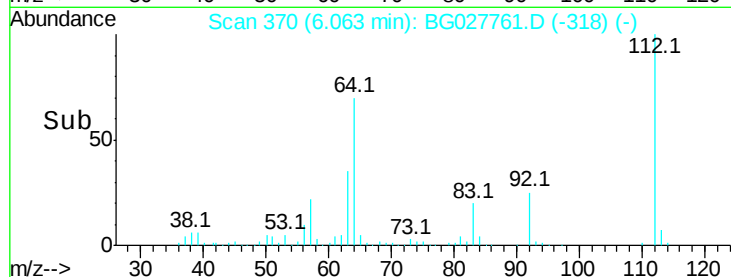
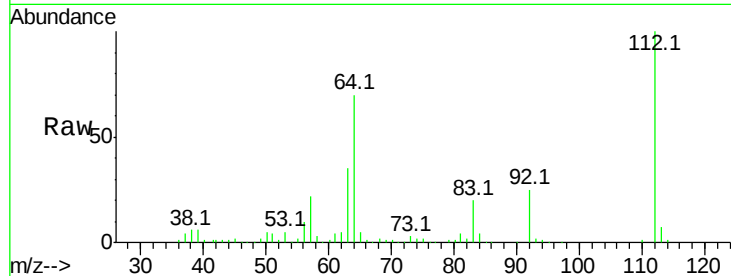




#5  
 2-Fluorophenol  
 Concen: 139.61 ng  
 RT: 6.06 min Scan# 370  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

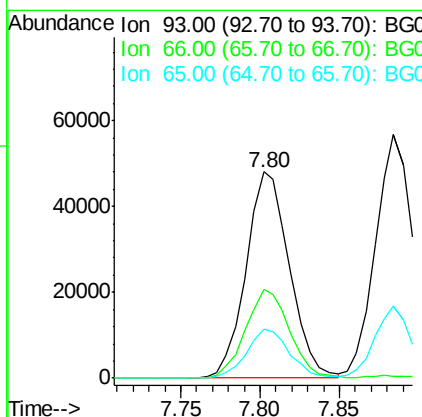
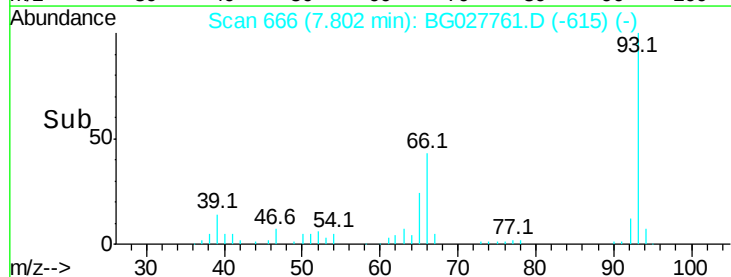
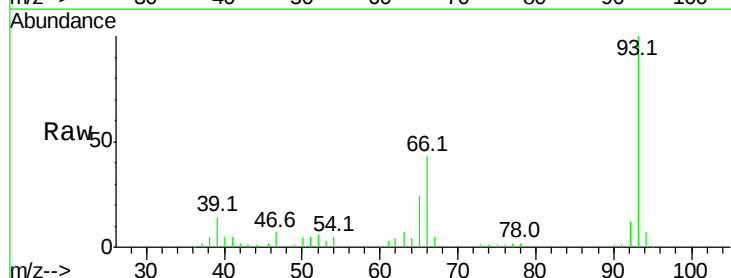
Instrument :  
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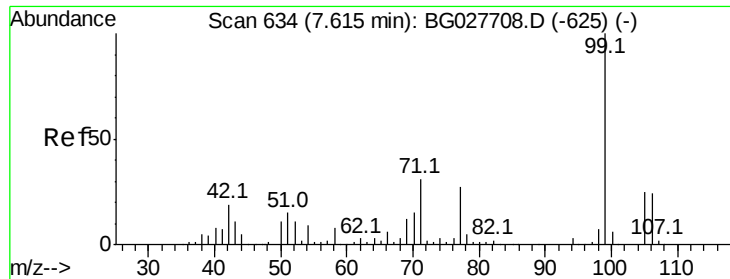
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 297183 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 70.1  | 61.8  | 92.6   |
| 63       | 35.0  | 37.2  | 55.8#  |



#6  
 Aniline  
 Concen: 24.28 ng  
 RT: 7.80 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 91506 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 43.1  | 35.4  | 53.2  |
| 65       | 23.7  | 21.2  | 31.8  |





#7

Phenol-d6

Concen: 128.75 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

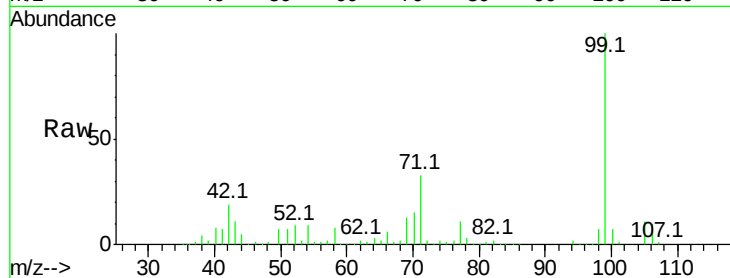
Tot Ion: 99 Resp: 418683

Ion Ratio Lower Upper

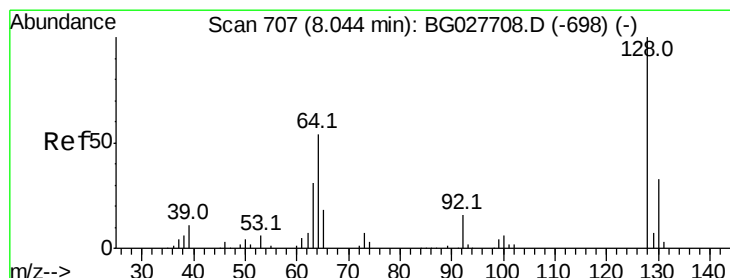
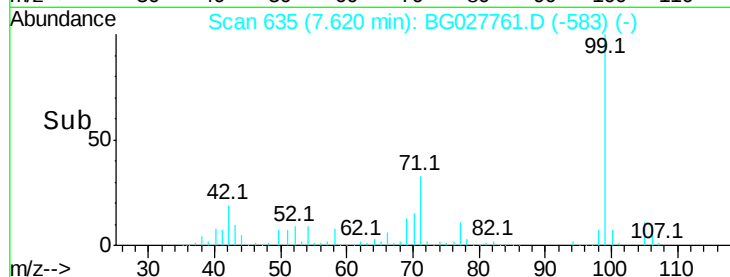
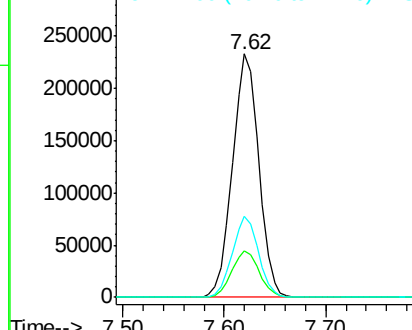
99 100

42 19.3 20.5 30.7#

71 33.1 37.6 56.4#



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



#8

2-Chlorophenol

Concen: 45.17 ng

RT: 8.04 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

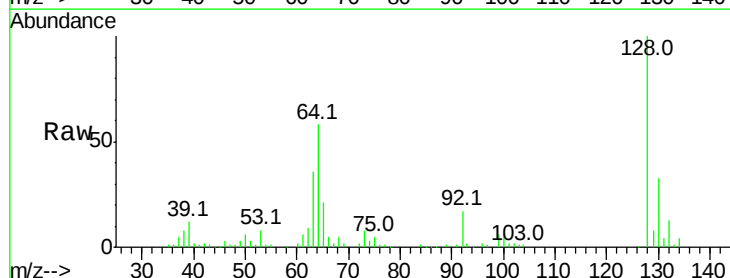
Tgt Ion: 128 Resp: 107452

Ion Ratio Lower Upper

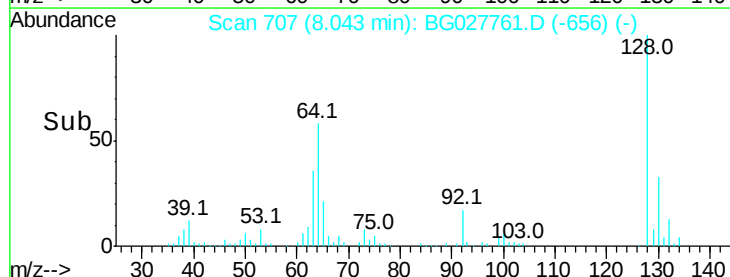
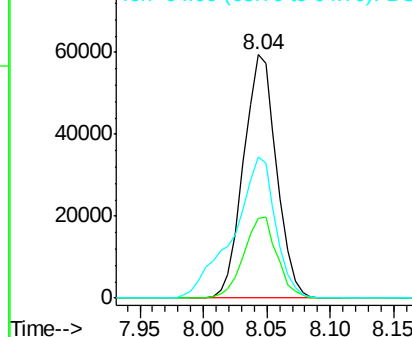
128 100

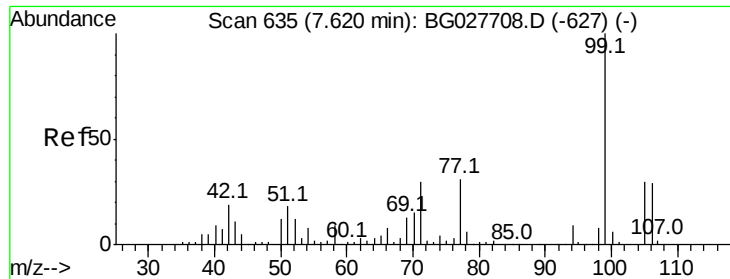
130 32.6 11.4 51.4

64 58.1 46.6 86.6



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





#9

Benzaldehyde

Concen: 24.20 ng

RT: 7.62 min Scan# 635

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

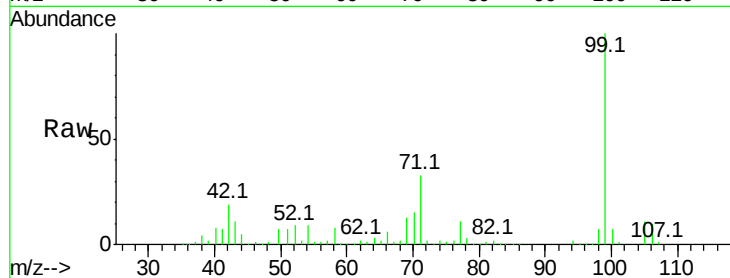
Tot Ion: 77 Resp: 46819

Ion Ratio Lower Upper

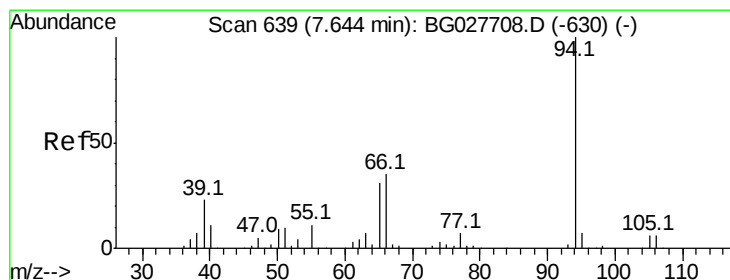
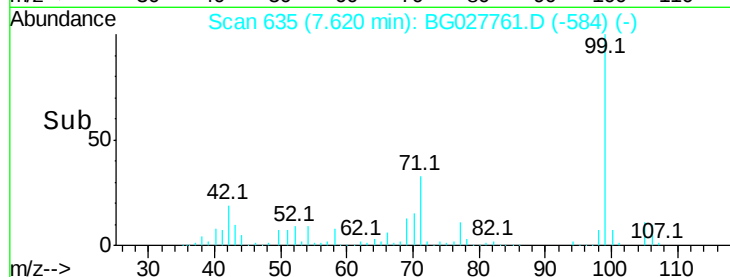
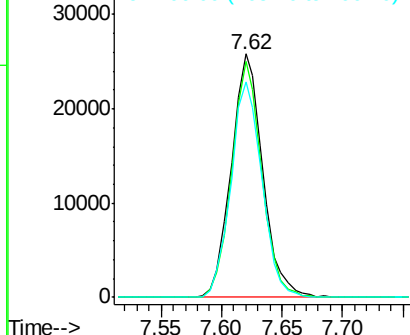
77 100

105 96.7 60.9 100.9

106 88.2 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: 45.01 ng

RT: 7.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

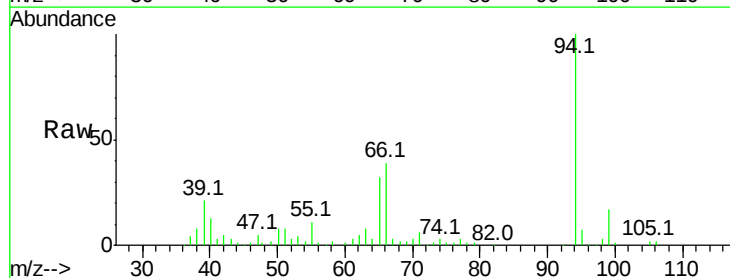
Tgt Ion: 94 Resp: 144822

Ion Ratio Lower Upper

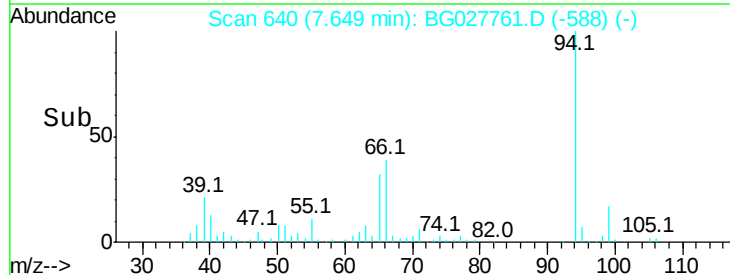
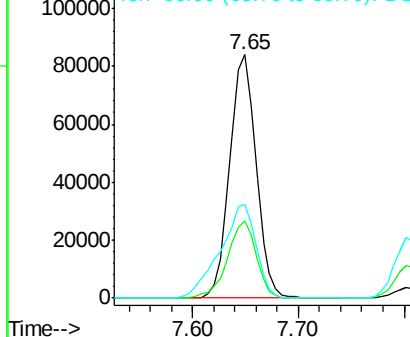
94 100

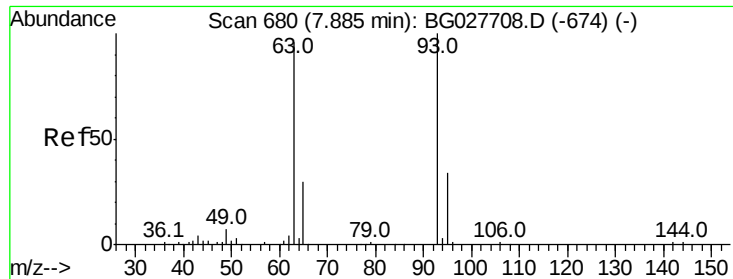
65 31.9 20.6 60.6

66 38.7 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: 38.52 ng

RT: 7.88 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

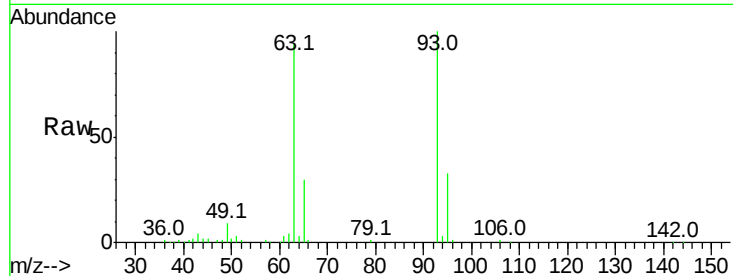
Tot Ion: 93 Resp: 94144

Ion Ratio Lower Upper

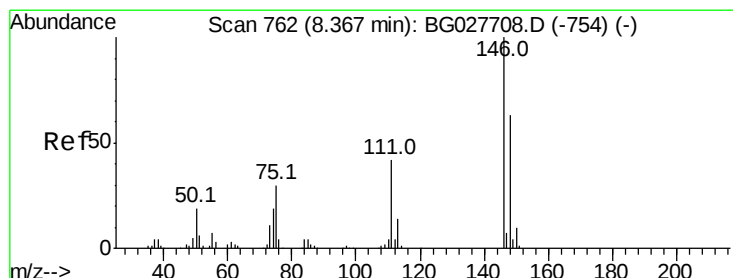
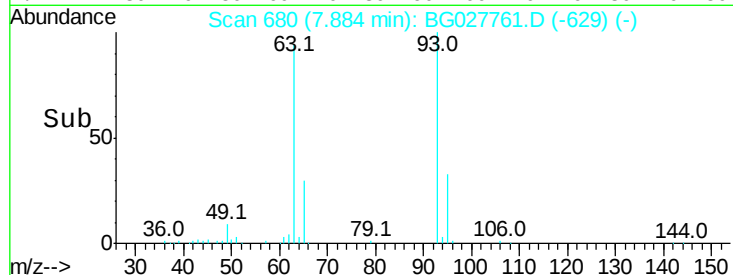
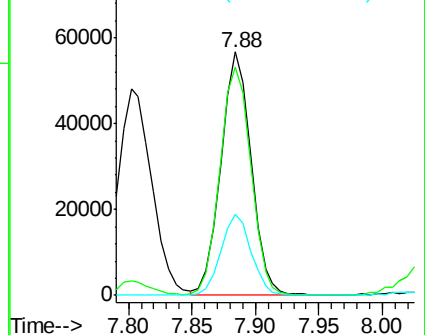
93 100

63 93.8 78.5 118.5

95 33.4 9.8 49.8



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 41.26 ng

RT: 8.37 min Scan# 763

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

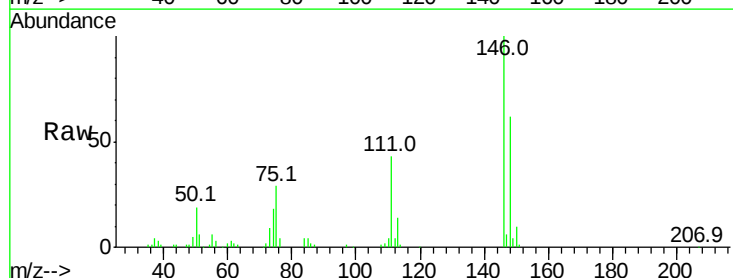
Tgt Ion: 146 Resp: 104403

Ion Ratio Lower Upper

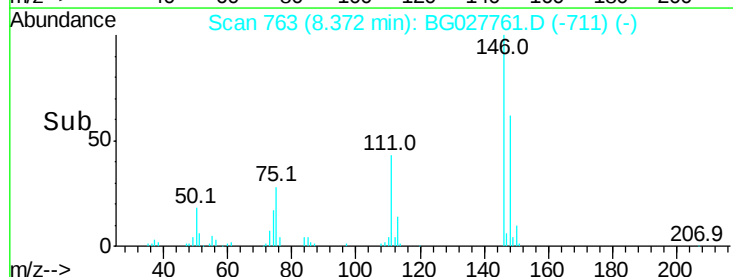
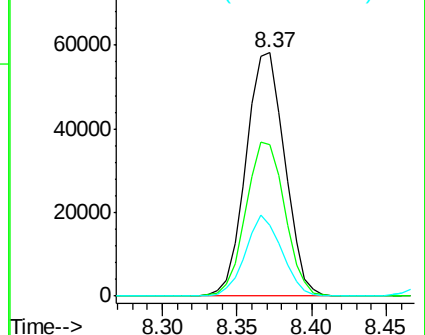
146 100

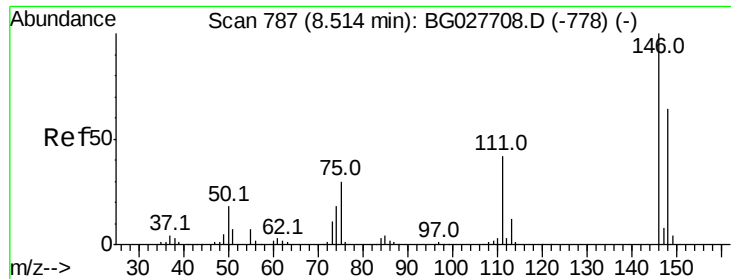
148 62.0 49.2 73.8

75 29.0 33.4 50.2#



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC

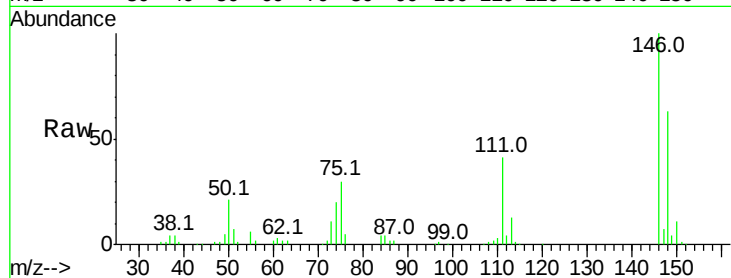




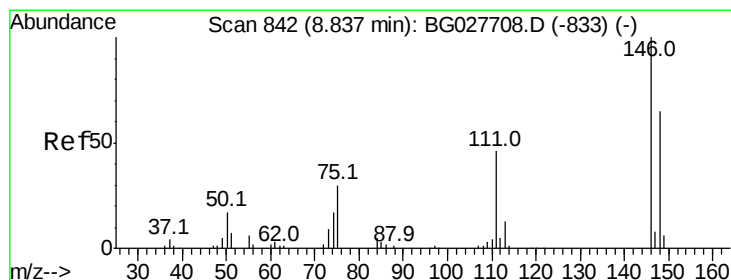
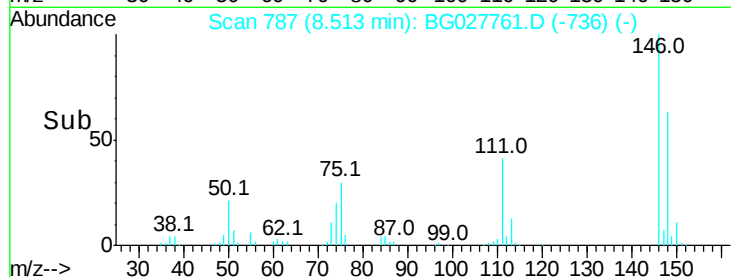
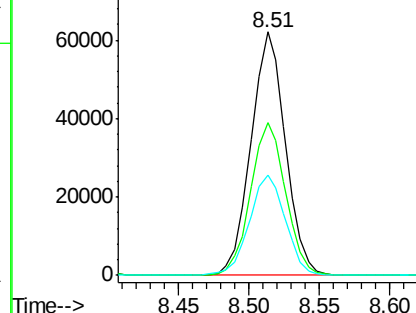
#13  
 1,4-Dichlorobenzene  
 Concen: 40.49 ng  
 RT: 8.51 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

Tot Ion:146 Resp: 106160  
 Ion Ratio Lower Upper  
 146 100  
 148 62.8 52.2 78.2  
 111 41.2 37.0 55.6

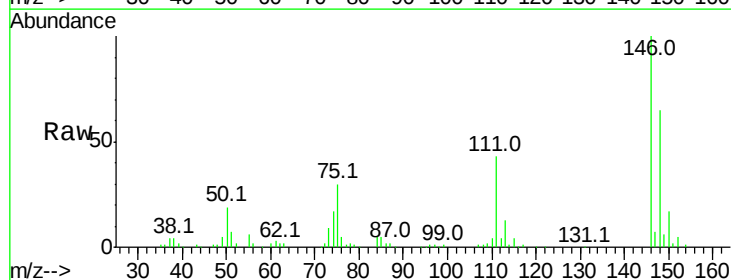


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

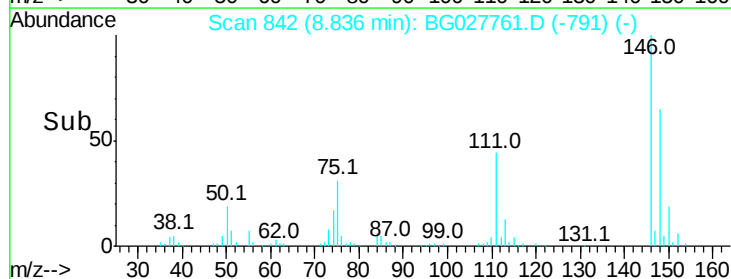
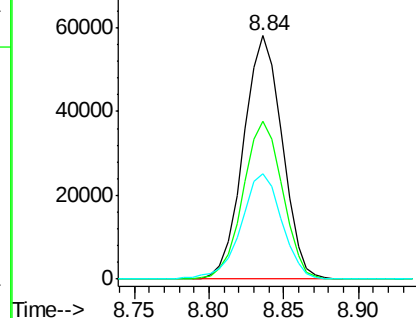


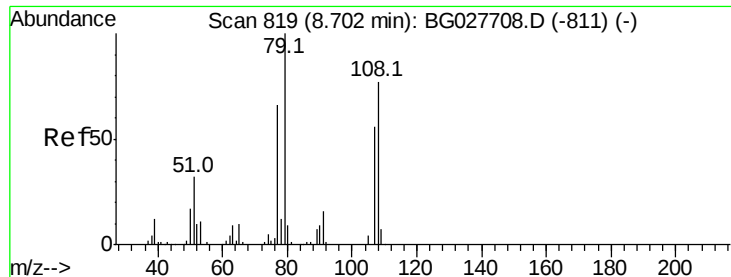
#14  
 1,2-Dichlorobenzene  
 Concen: 40.91 ng  
 RT: 8.84 min Scan# 842  
 Delta R.T. -0.00 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:146 Resp: 103981  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 54.6 81.8  
 111 43.2 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: 40.23 ng

RT: 8.71 min Scan# 820

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

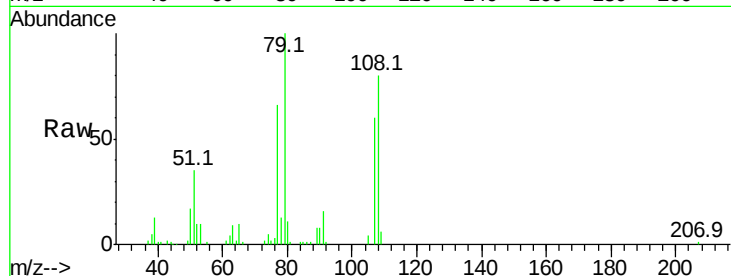
Tot Ion: 79 Resp: 90499

Ion Ratio Lower Upper

79 100

108 79.6 45.5 68.3#

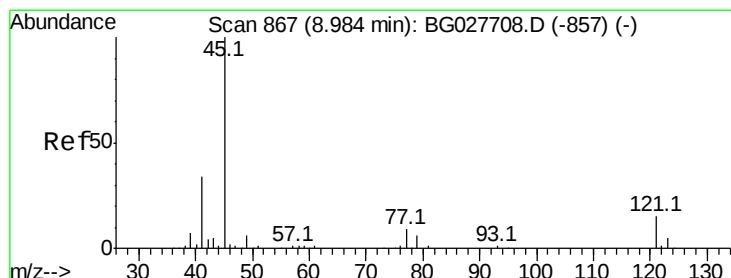
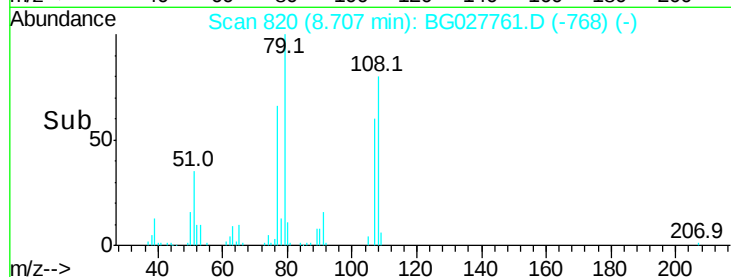
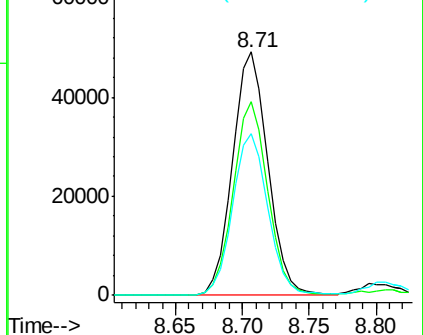
77 66.3 54.3 81.5



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.85 ng

RT: 8.99 min Scan# 868

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

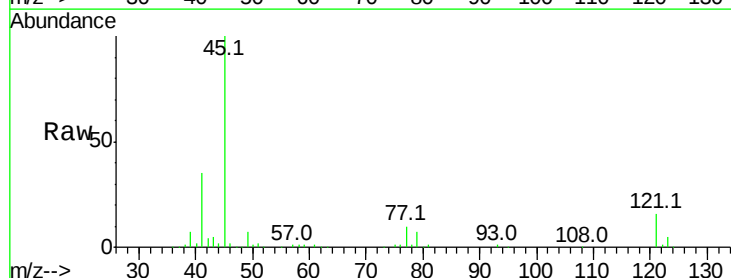
Tgt Ion: 45 Resp: 207734

Ion Ratio Lower Upper

45 100

77 9.5 0.0 30.6

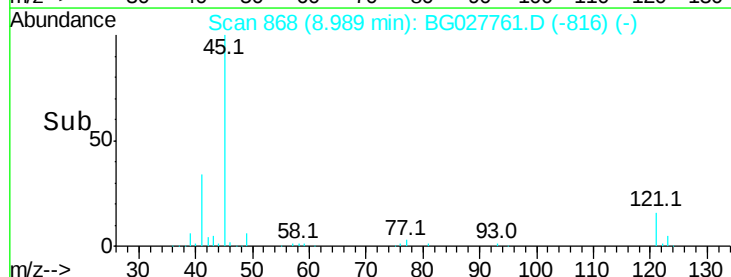
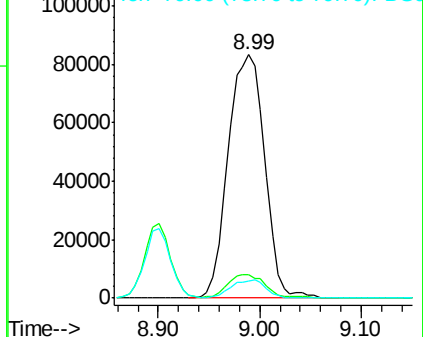
79 7.2 0.0 28.5

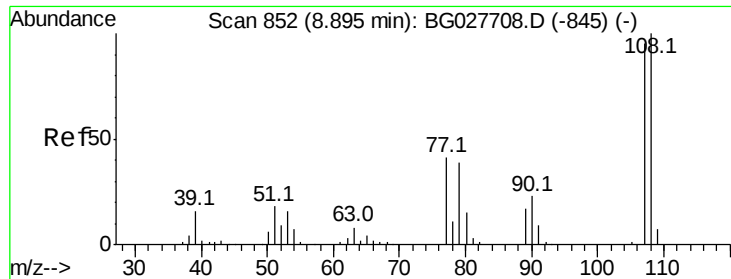


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

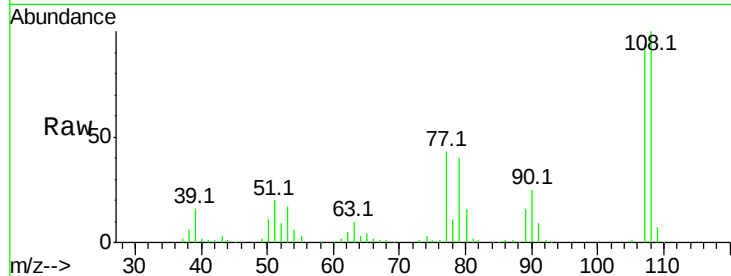




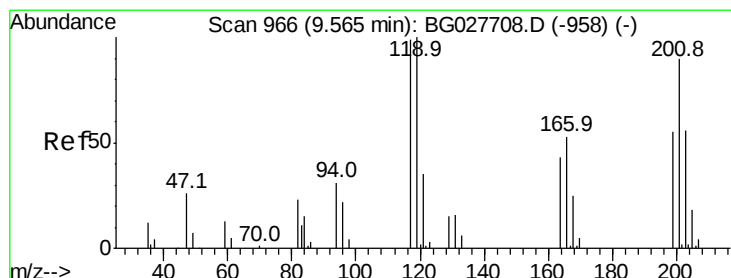
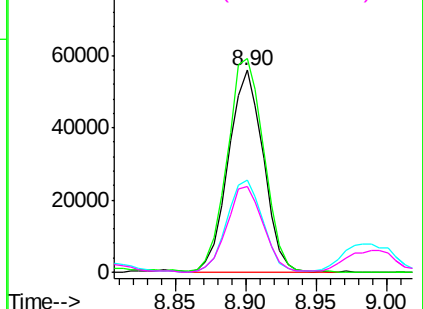
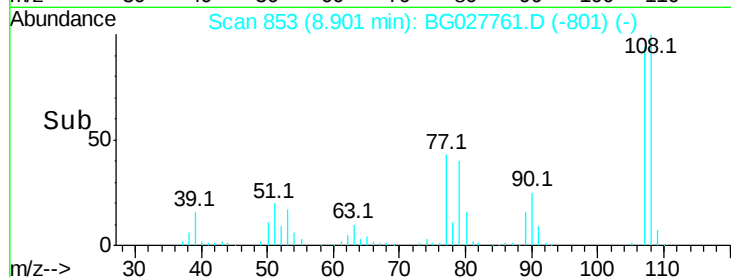
#17  
2-Methylphenol  
Concen: 42.43 ng  
RT: 8.90 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

Tot Ion:107 Resp: 96569  
Ion Ratio Lower Upper  
107 100  
108 105.8 85.6 128.4  
77 45.4 51.4 77.2#  
79 42.3 49.2 73.8#

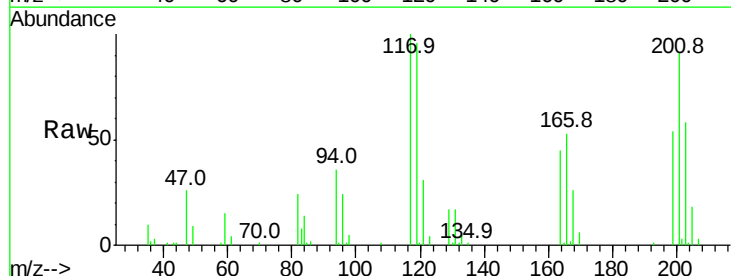


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

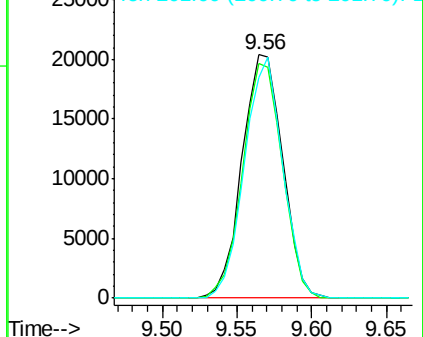
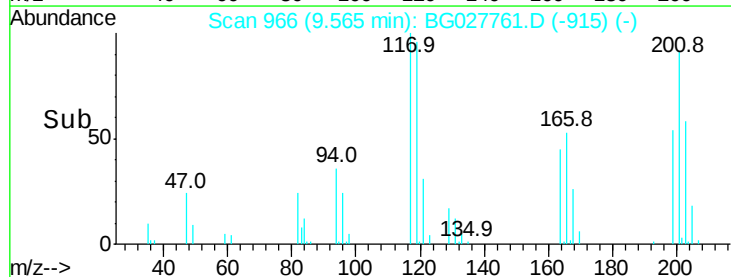


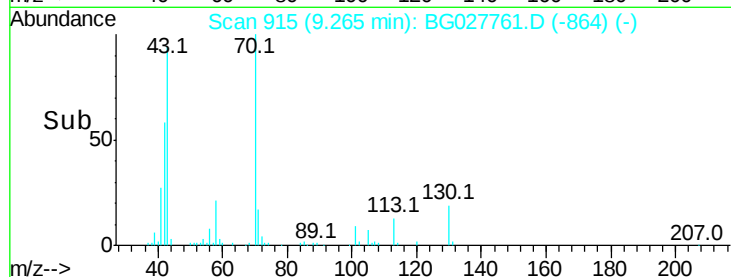
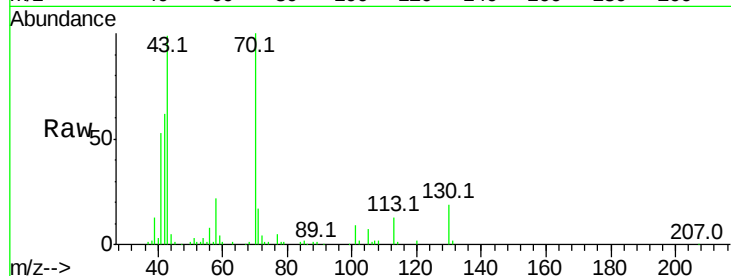
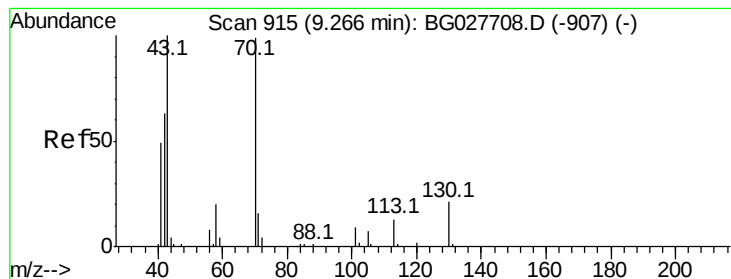
#18  
Hexachloroethane  
Concen: 41.62 ng  
RT: 9.56 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:117 Resp: 38381  
Ion Ratio Lower Upper  
117 100  
119 96.1 69.8 104.6  
201 90.8 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: 36.23 ng

RT: 9.27 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

Tot Ion: 70 Resp: 85722

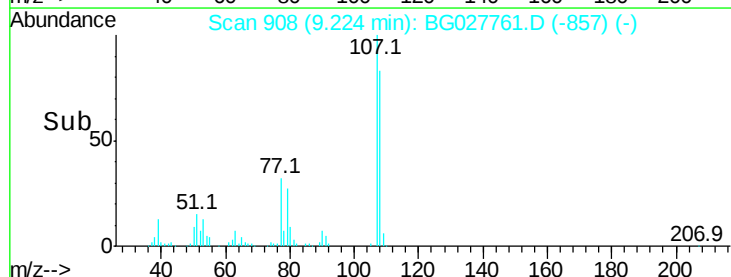
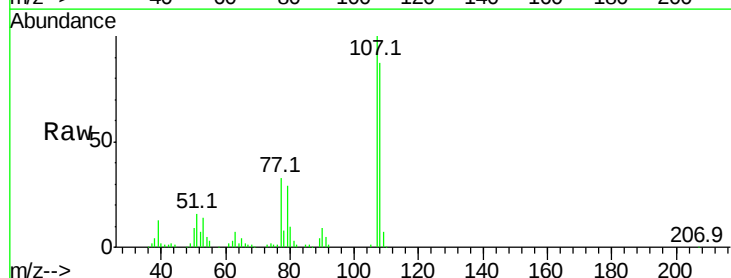
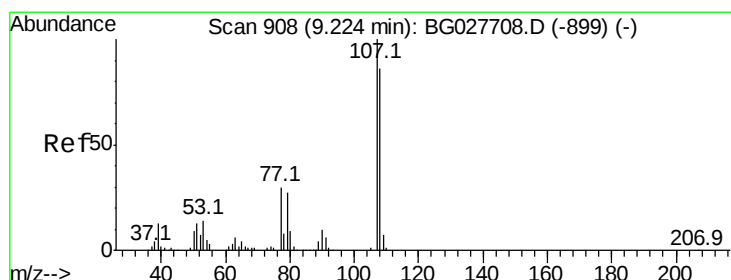
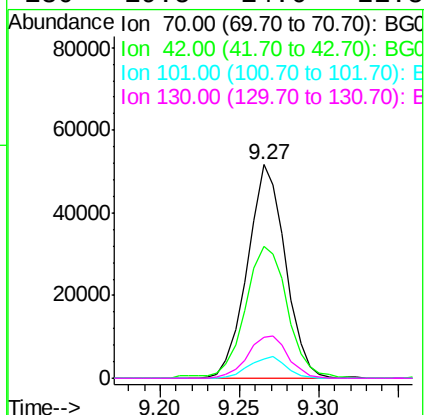
Ion Ratio Lower Upper

70 100

42 61.9 56.1 84.1

101 9.3 7.5 11.3

130 19.5 14.6 21.8



#20

3+4-Methylphenols

Concen: 40.56 ng

RT: 9.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Tgt Ion: 107 Resp: 133139

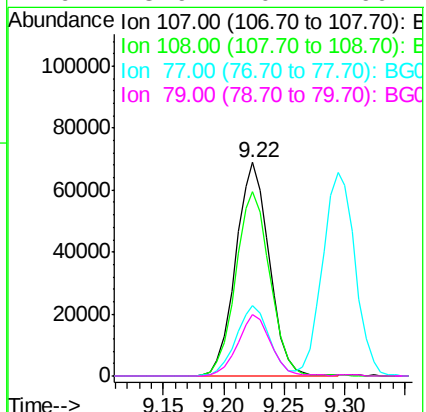
Ion Ratio Lower Upper

107 100

108 86.5 70.8 110.8

77 32.8 25.8 65.8

79 28.9 20.1 60.1

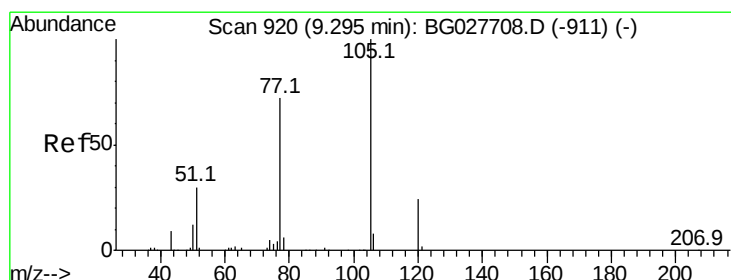
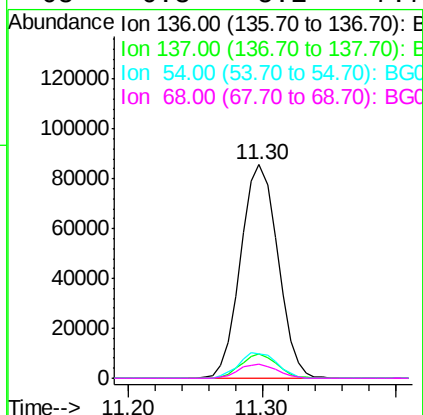
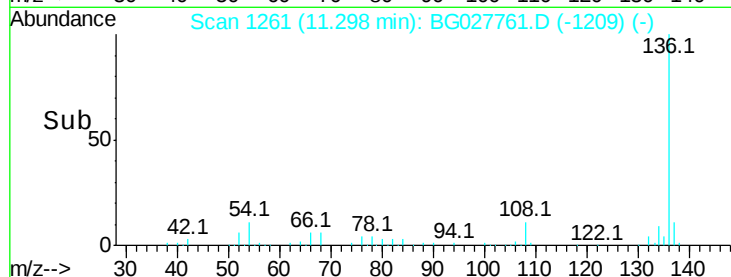
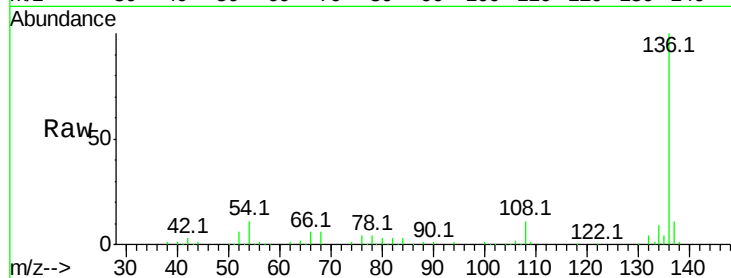




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1261  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

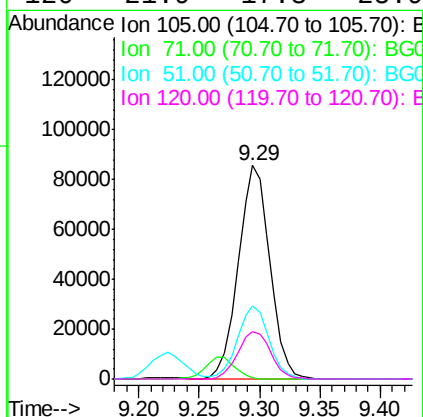
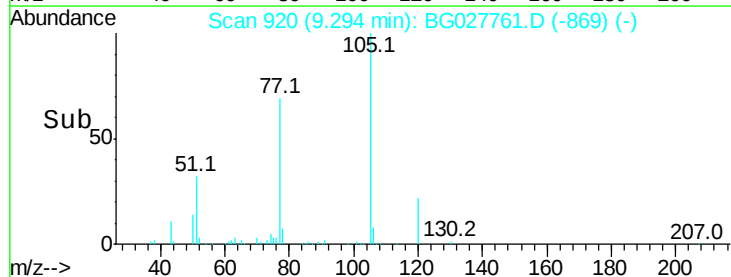
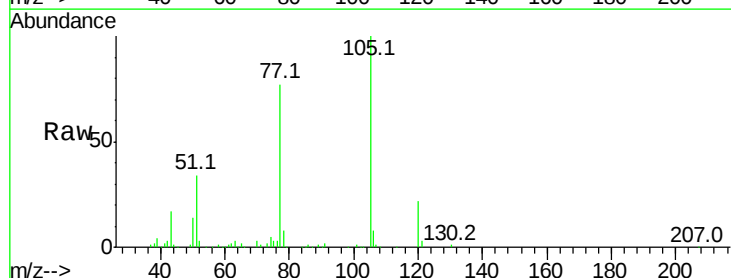
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

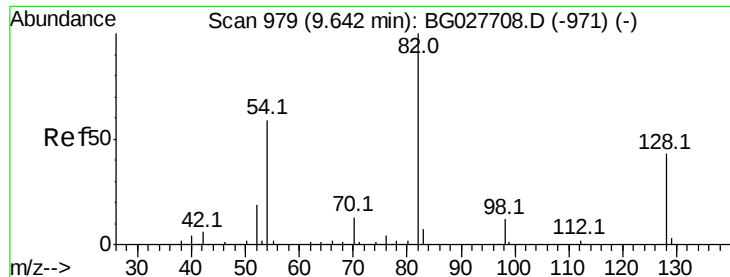
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 165320 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.9   | 13.3   |
| 54       | 11.3  | 9.3   | 13.9   |
| 68       | 6.3   | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 39.03 ng  
RT: 9.29 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 155698 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.6   | 0.9   | 1.3#   |
| 51       | 34.2  | 34.0  | 51.0   |
| 120      | 21.9  | 17.3  | 25.9   |

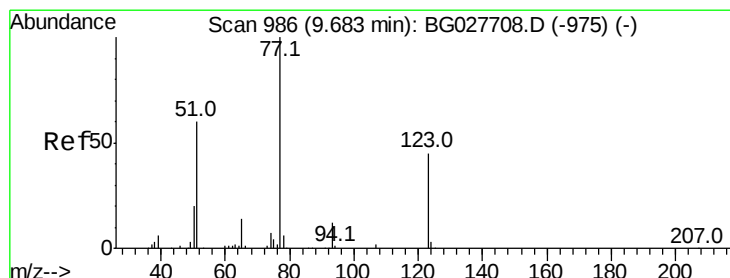
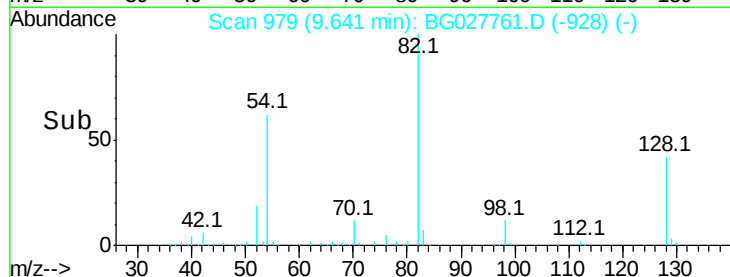
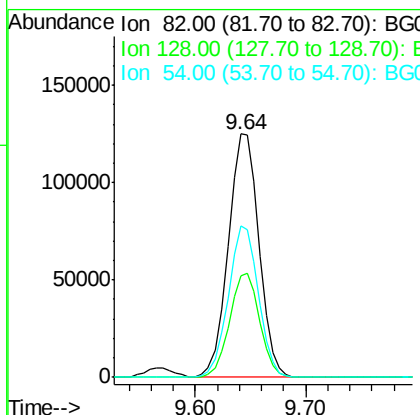
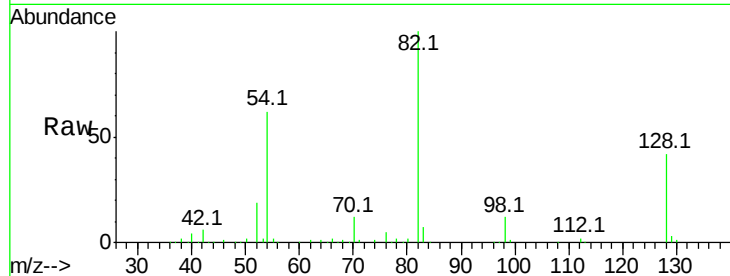




#23  
 Nitrobenzene-d5  
 Concen: 82.11 ng  
 RT: 9.64 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

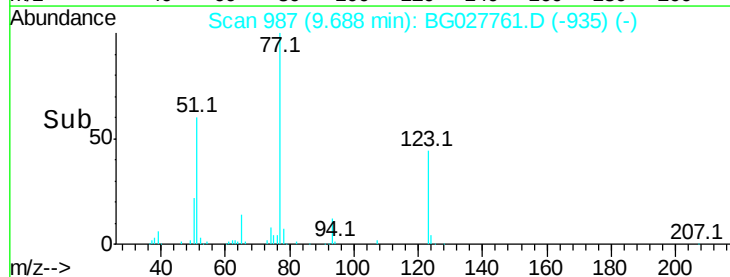
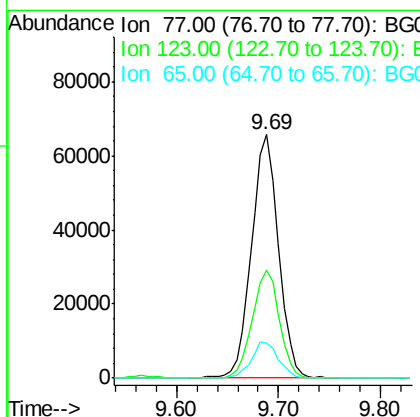
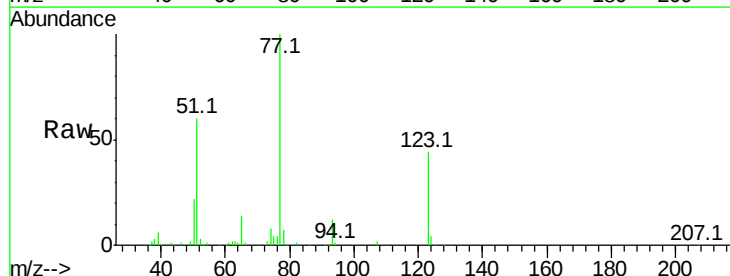
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

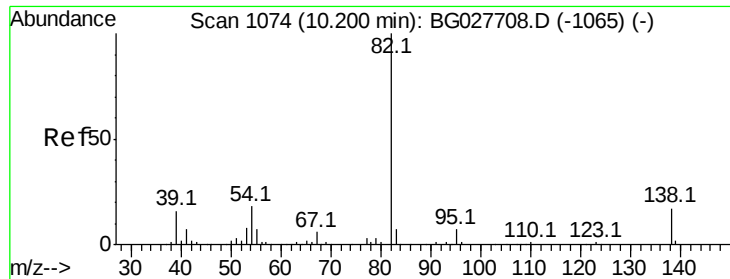
Tot Ion: 82 Resp: 243527  
 Ion Ratio Lower Upper  
 82 100  
 128 41.8 26.4 39.6#  
 54 62.0 49.4 74.2



#24  
 Nitrobenzene  
 Concen: 39.13 ng  
 RT: 9.69 min Scan# 987  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion: 77 Resp: 121336  
 Ion Ratio Lower Upper  
 77 100  
 123 44.2 26.1 39.1#  
 65 14.2 12.4 18.6





#25

Isophorone

Concen: 36.68 ng

RT: 10.20 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

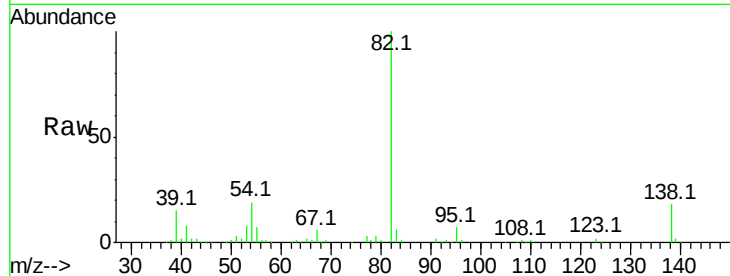
Tot Ion: 82 Resp: 237111

Ion Ratio Lower Upper

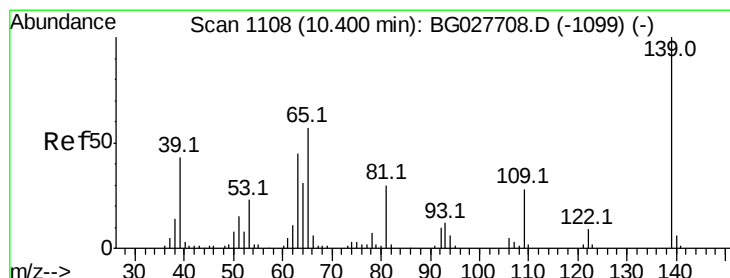
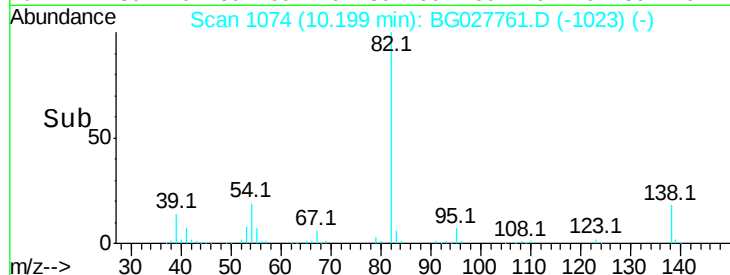
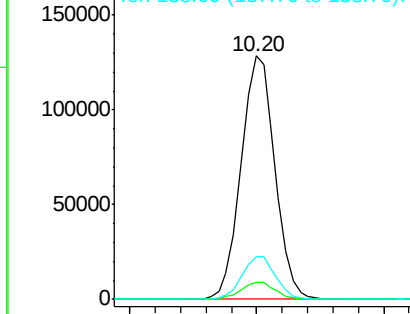
82 100

95 7.1 7.5 11.3#

138 17.6 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: 42.12 ng

RT: 10.40 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

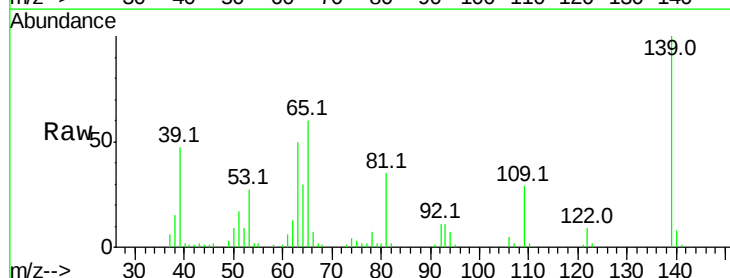
Tgt Ion: 139 Resp: 58997

Ion Ratio Lower Upper

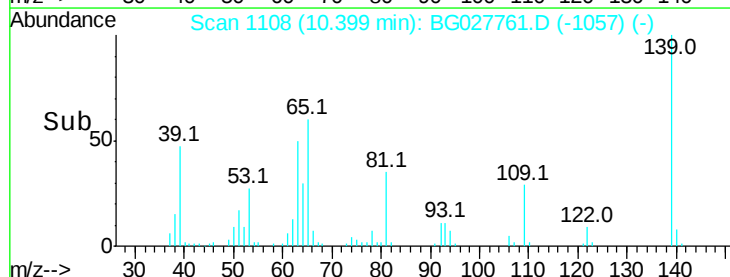
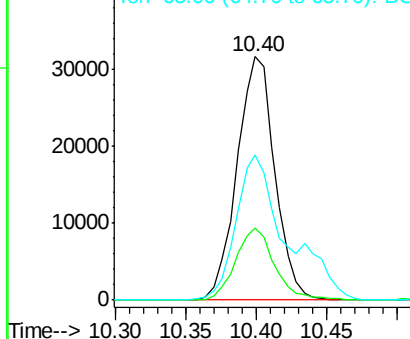
139 100

109 29.4 38.6 58.0#

65 59.8 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

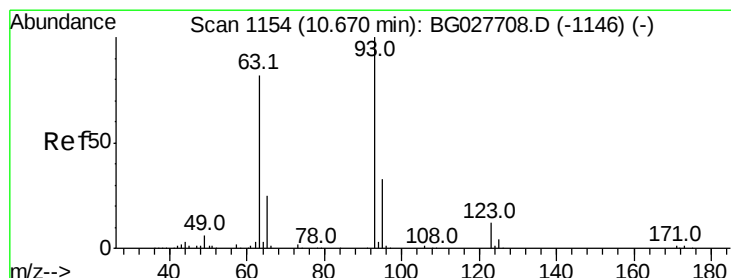
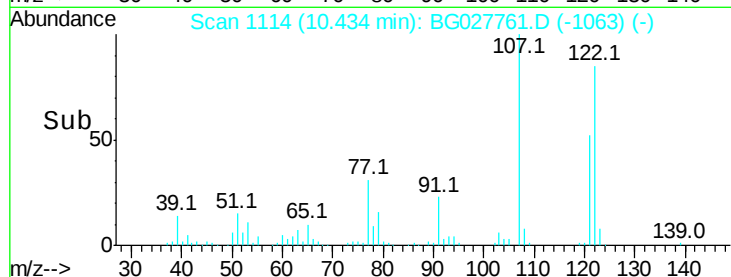
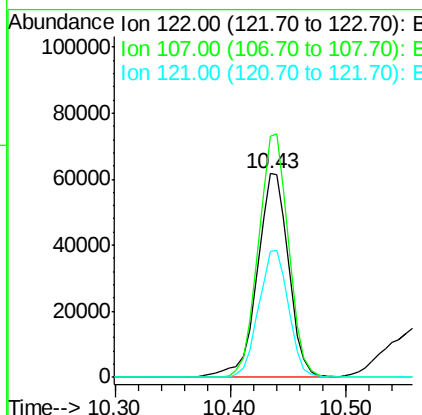
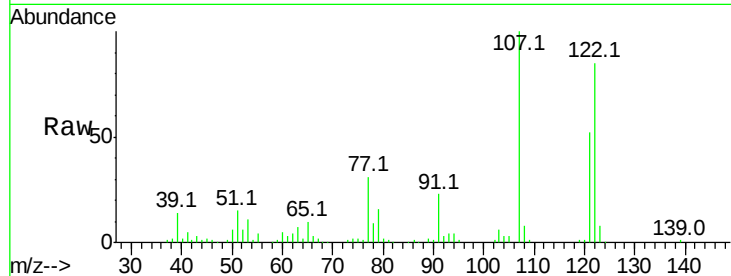




#27  
2,4-Dimethylphenol  
Concen: 44.42 ng  
RT: 10.43 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

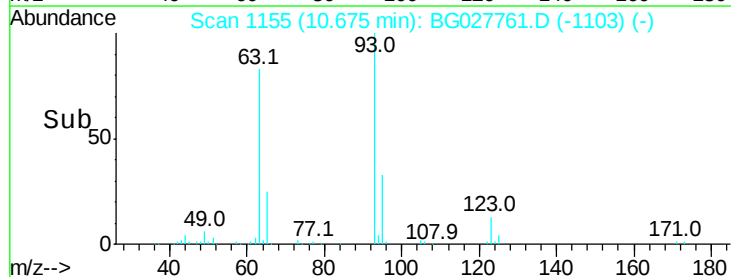
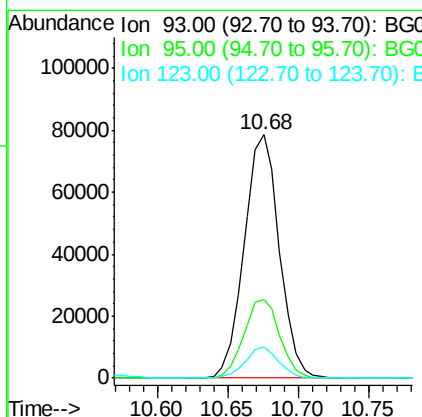
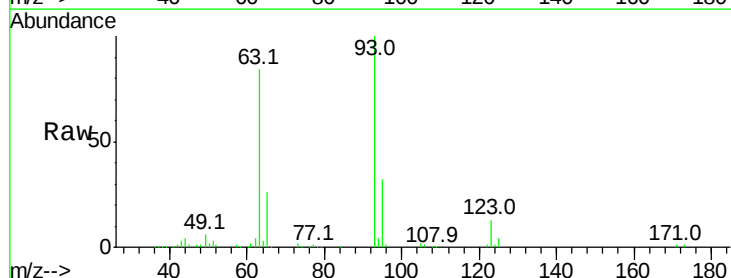
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

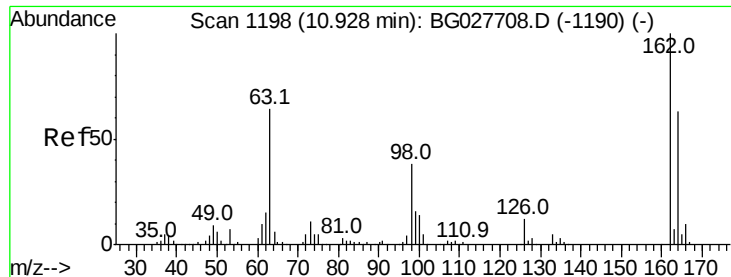
Tot Ion:122 Resp: 116529  
Ion Ratio Lower Upper  
122 100  
107 118.3 104.2 156.4  
121 61.9 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 37.31 ng  
RT: 10.68 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion: 93 Resp: 136748  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.7 38.5  
123 12.6 8.3 12.5#

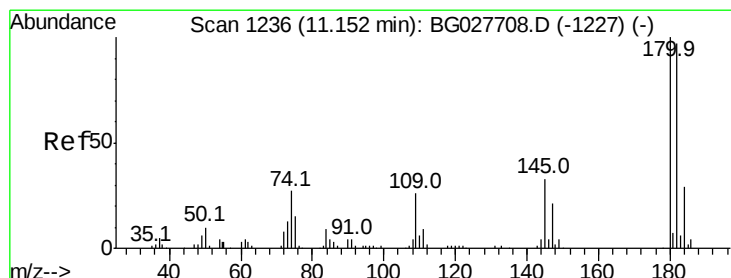
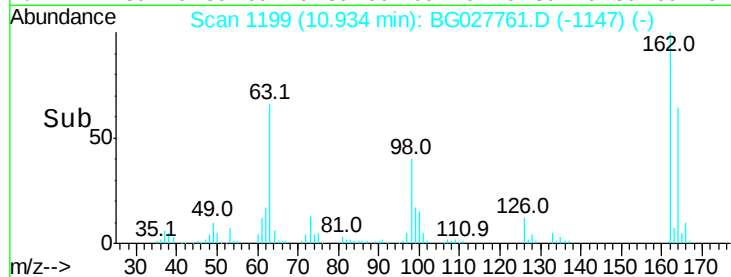
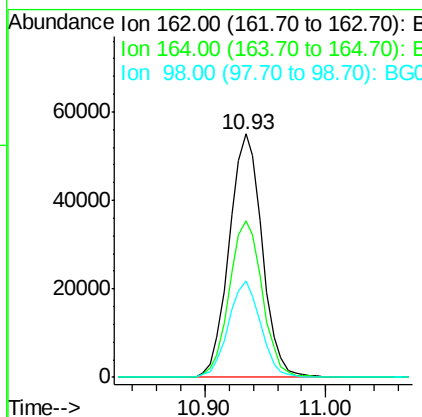
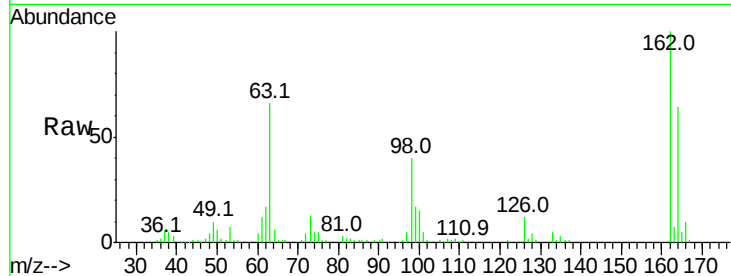




#29  
 2,4-Dichlorophenol  
 Concen: 45.24 ng  
 RT: 10.93 min Scan# 1199  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

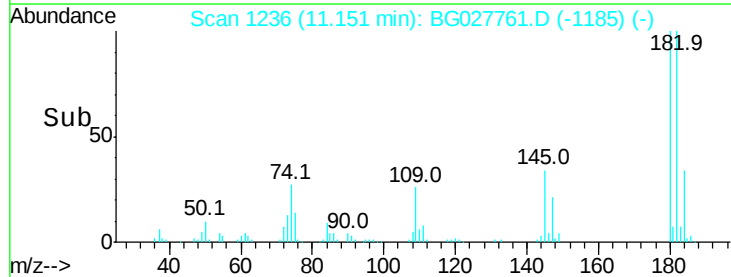
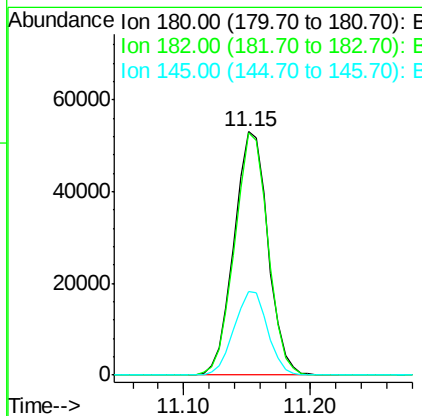
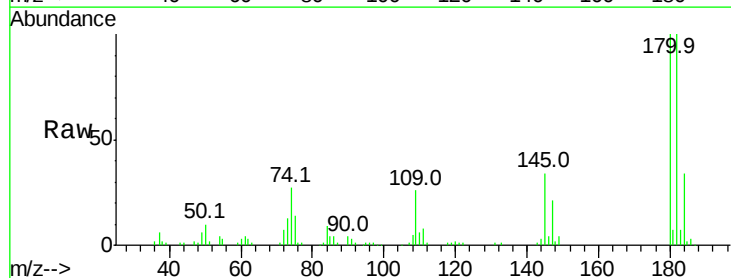
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

Tot Ion:162 Resp: 104004  
 Ion Ratio Lower Upper  
 162 100  
 164 64.2 42.4 82.4  
 98 39.6 20.3 60.3



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.93 ng  
 RT: 11.15 min Scan# 1236  
 Delta R.T. -0.00 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:180 Resp: 98304  
 Ion Ratio Lower Upper  
 180 100  
 182 99.5 77.0 115.4  
 145 34.2 23.4 35.0

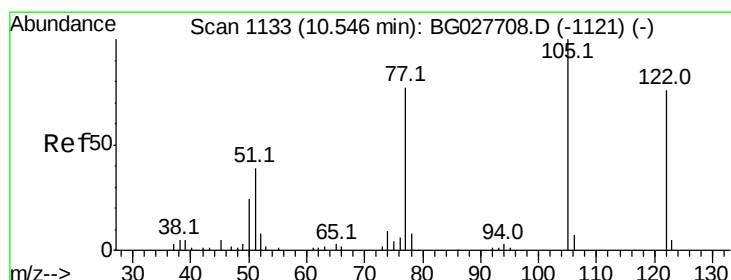
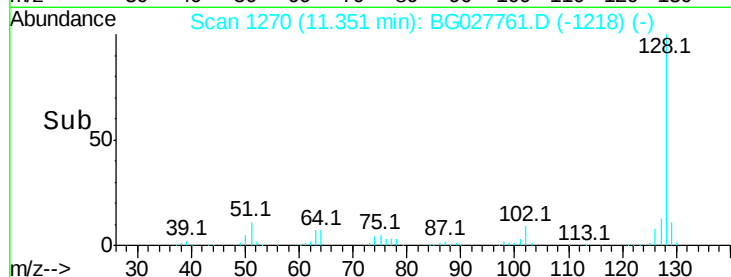
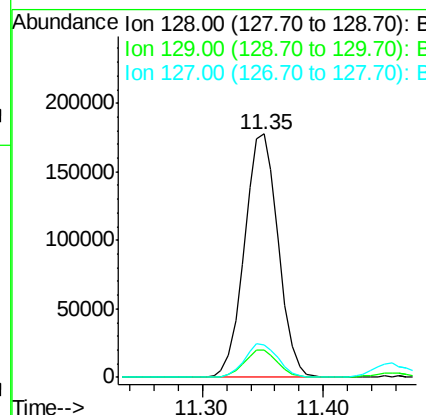
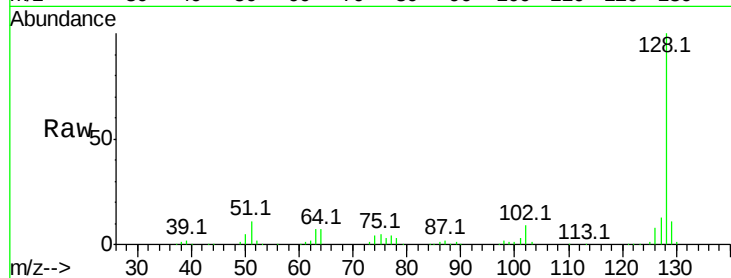




#31  
Naphthalene  
Concen: 39.12 ng  
RT: 11.35 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

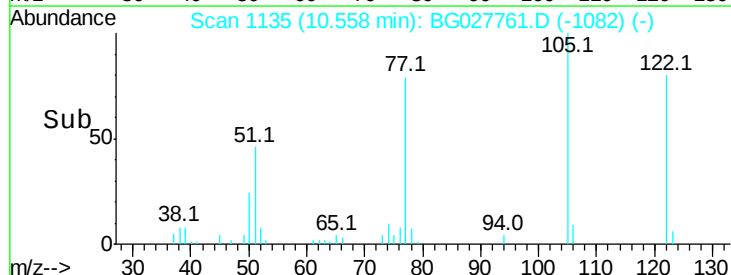
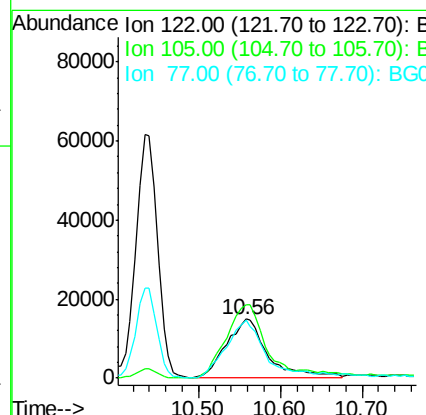
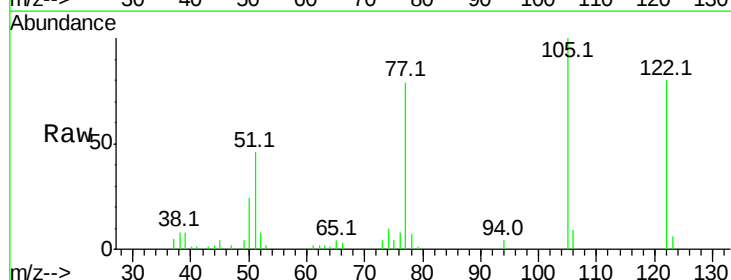
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

Tot Ion:128 Resp: 343968  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.3 13.9  
127 13.5 11.4 17.0



#32  
Benzoic acid  
Concen: 34.81 ng  
RT: 10.56 min Scan# 1135  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:122 Resp: 51021  
Ion Ratio Lower Upper  
122 100  
105 125.2 120.1 160.1  
77 99.3 104.6 144.6#

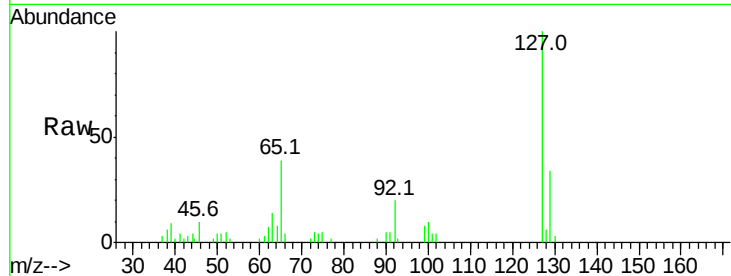




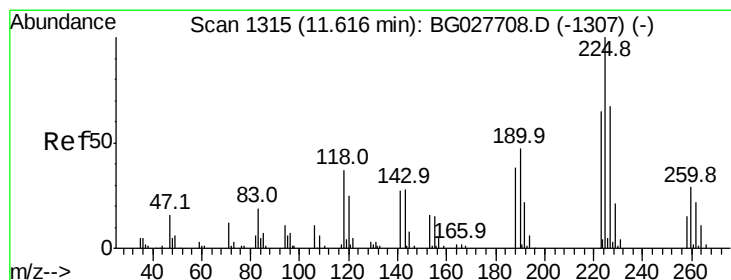
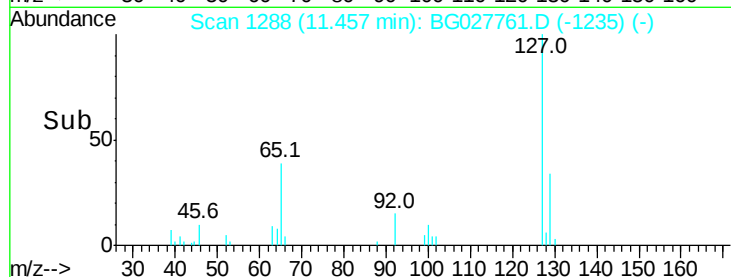
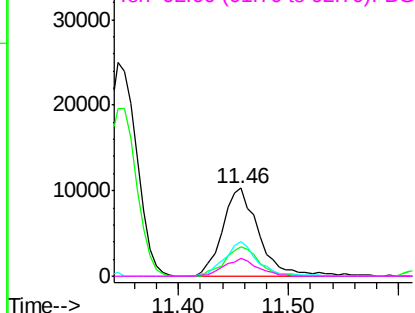
#33  
4-Chloroaniline  
Concen: 6.20 ng  
RT: 11.46 min Scan# 1288  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 23538 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.9  | 23.6  | 35.4  |
| 65       | 38.7  | 37.7  | 56.5  |
| 92       | 20.3  | 17.6  | 26.4  |

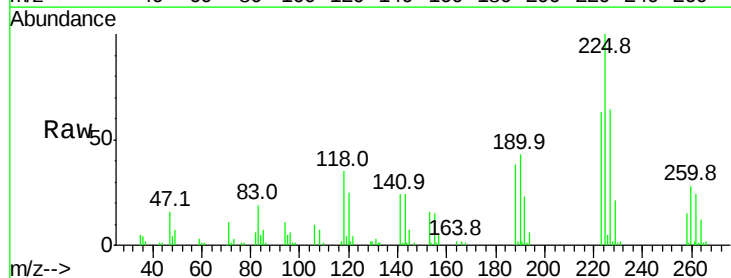


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

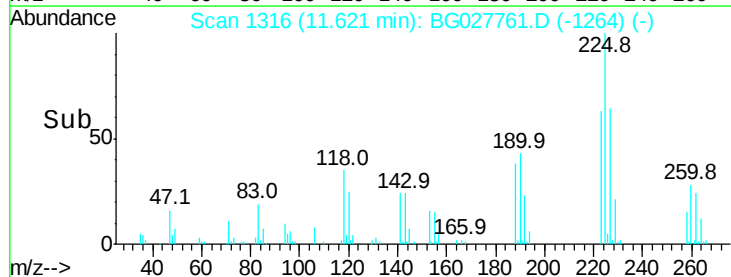
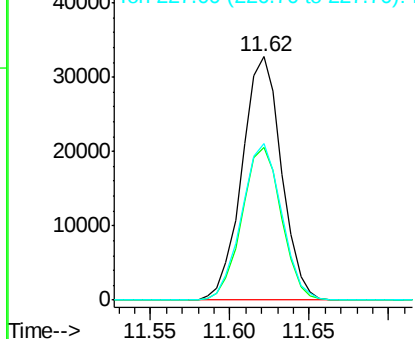


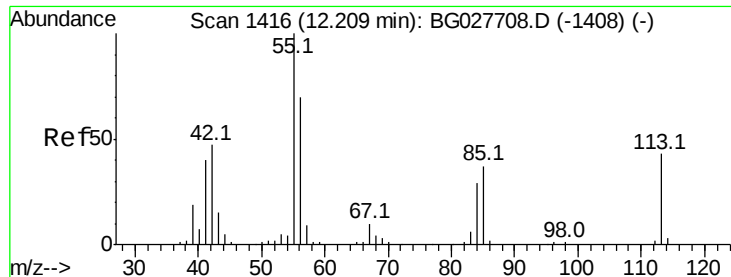
#34  
Hexachlorobutadiene  
Concen: 43.26 ng  
RT: 11.62 min Scan# 1316  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 56518 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.7  | 50.7  | 76.1  |
| 227      | 64.4  | 49.0  | 73.6  |



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





#35

Caprolactam

Concen: 38.33 ng/mL

RT: 12.22 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleID :

PB100317BS

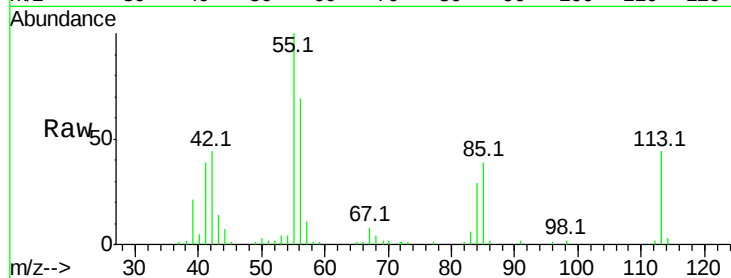
Tot Ion:113 Resp: 44317

Ion Ratio Lower Upper

113 100

55 226.9 198.6 238.6

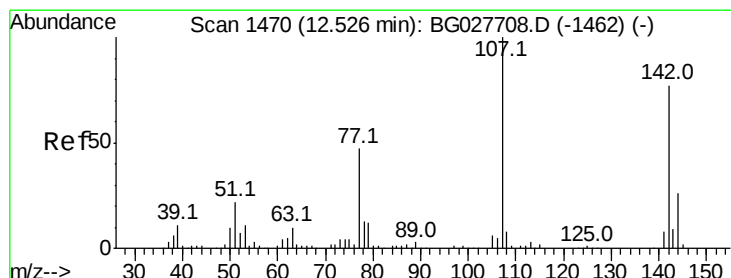
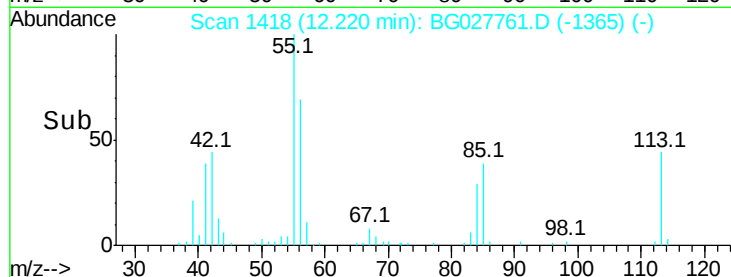
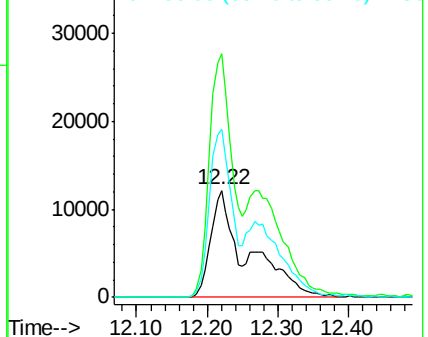
56 156.6 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG027708.D (-1408) (-)

Ion 56.00 (55.70 to 56.70): BG027708.D (-1408) (-)



#36

4-Chloro-3-methylphenol

Concen: 42.20 ng/mL

RT: 12.53 min Scan# 1471

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

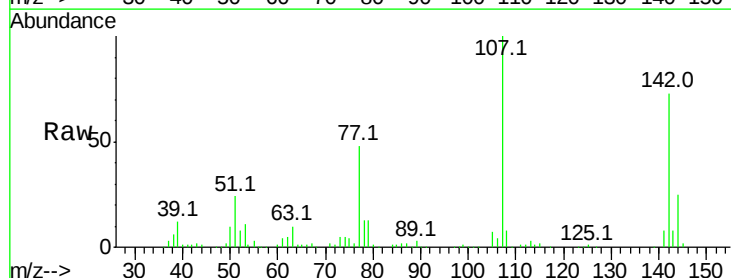
Tgt Ion:107 Resp: 136501

Ion Ratio Lower Upper

107 100

144 25.3 17.4 26.0

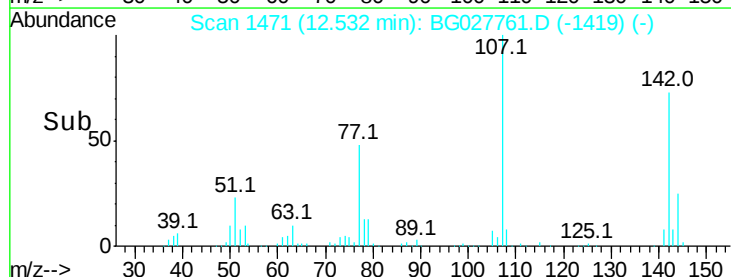
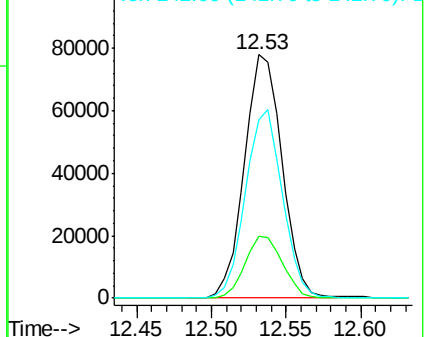
142 73.4 54.1 81.1

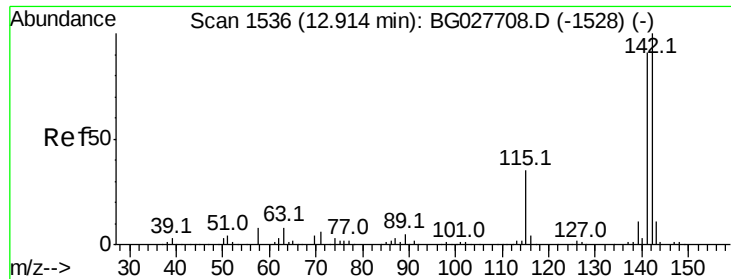


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): BG027708.D (-1462) (-)

Ion 142.00 (141.70 to 142.70): BG027708.D (-1462) (-)

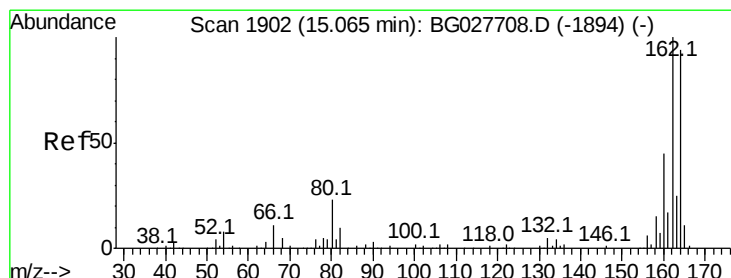
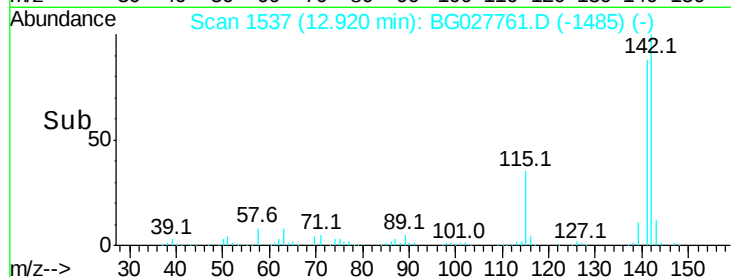
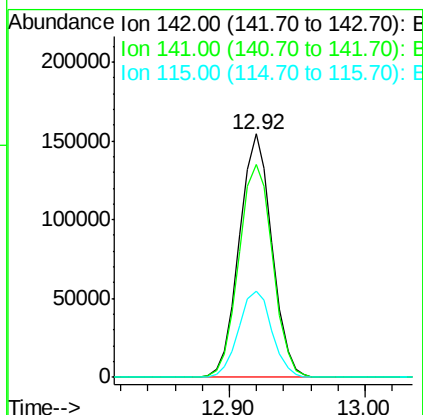
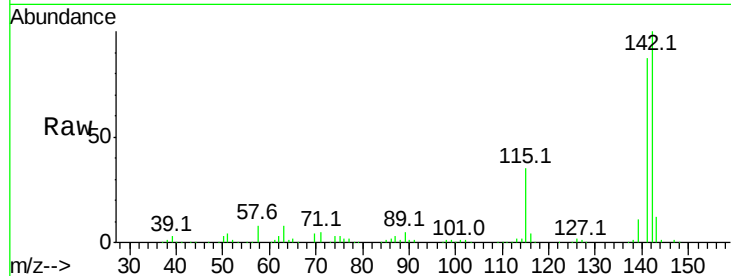




#37  
2-Methylnaphthalene  
Concen: 39.33 ng  
RT: 12.92 min Scan# 1537  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

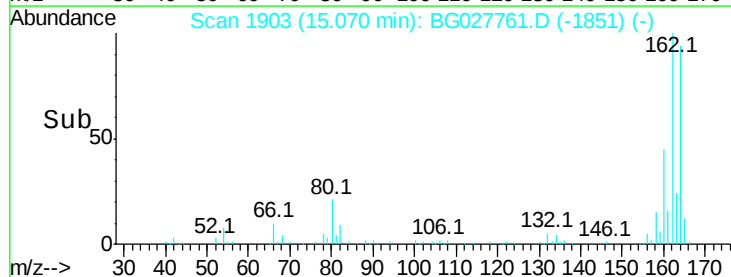
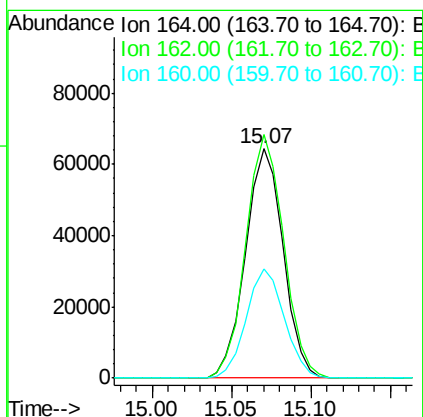
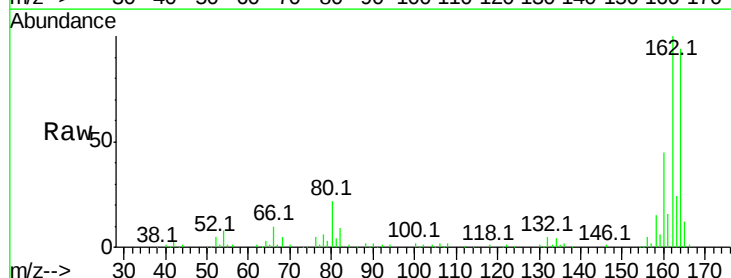
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

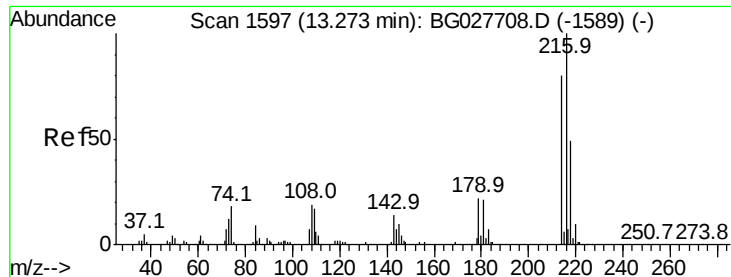
Tot Ion:142 Resp: 257565  
Ion Ratio Lower Upper  
142 100  
141 87.4 70.4 105.6  
115 35.1 35.5 53.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.07 min Scan# 1903  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:164 Resp: 106115  
Ion Ratio Lower Upper  
164 100  
162 106.3 85.1 127.7  
160 47.7 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.34 ng

RT: 13.28 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

Tot Ion:216 Resp: 115277

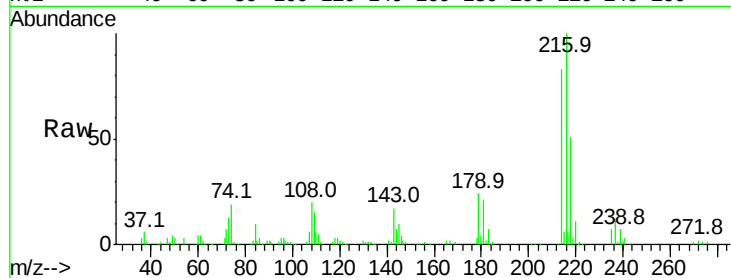
Ion Ratio Lower Upper

216 100

214 80.5 64.4 96.6

179 22.7 17.4 26.0

108 23.3 15.6 23.4

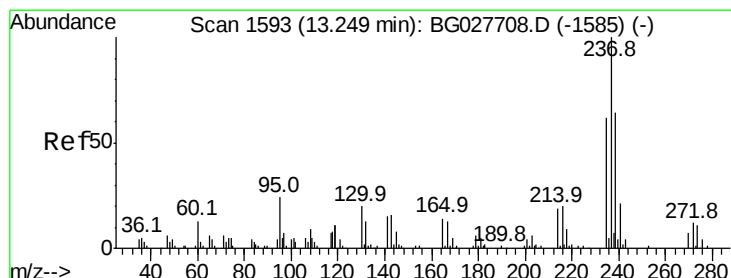
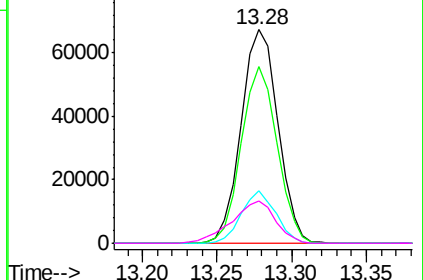
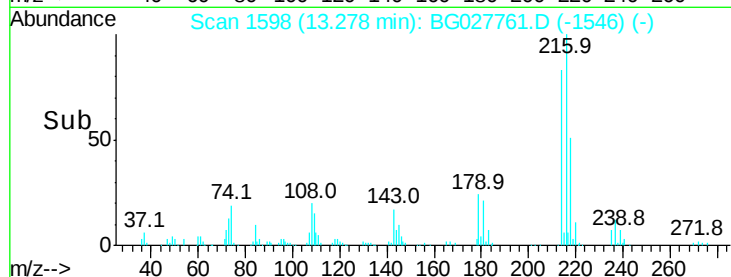


Abundance Ion 216.00 (215.70 to 216.70): E

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: 114.79 ng

RT: 13.25 min Scan# 1594

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

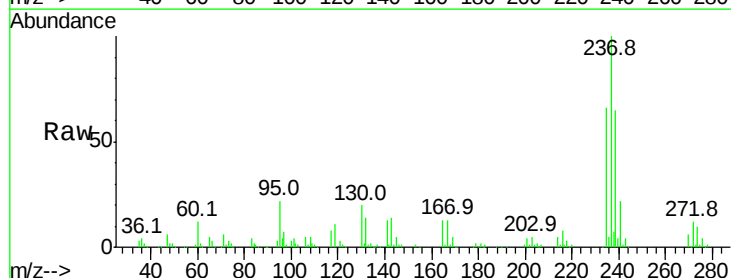
Tgt Ion:237 Resp: 150916

Ion Ratio Lower Upper

237 100

235 66.3 39.4 79.4

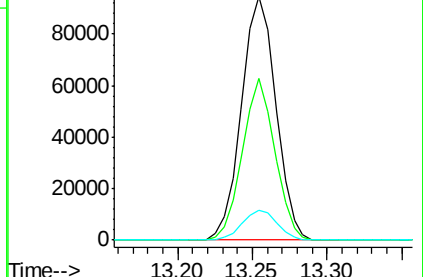
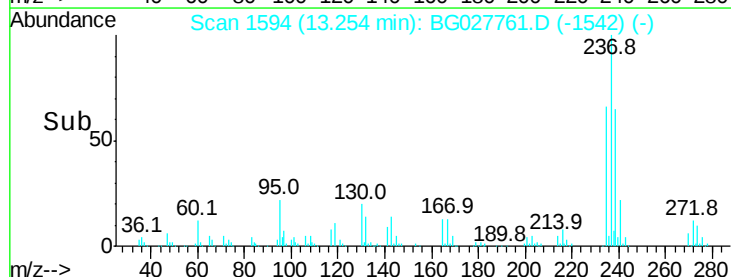
272 12.3 0.0 32.0

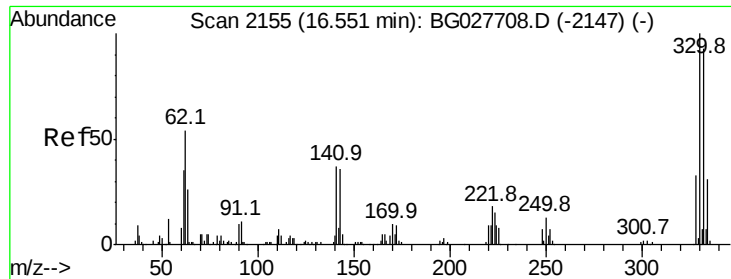


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

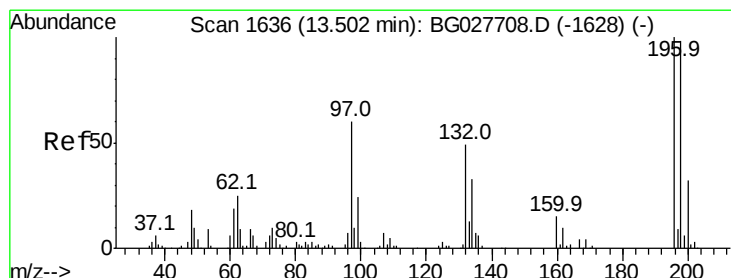
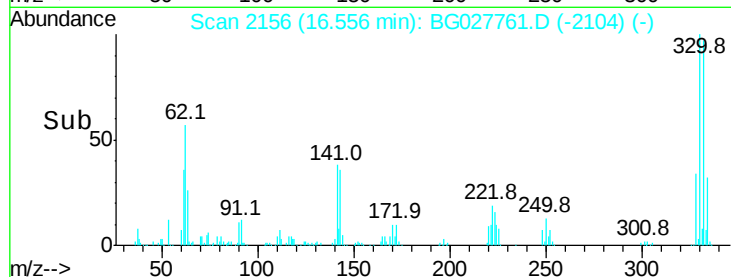
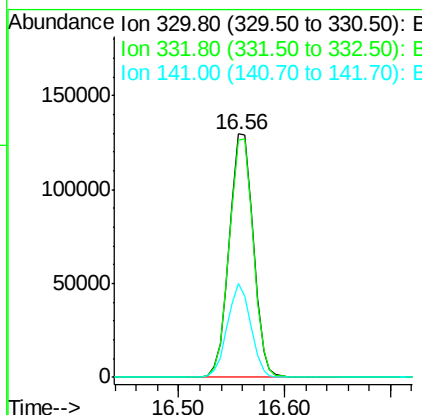
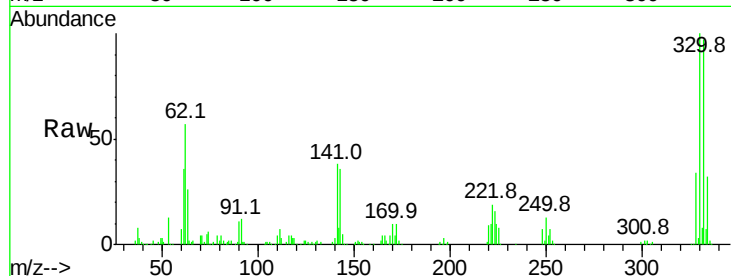




#41  
 2,4,6-Tribromophenol  
 Concen: 139.81 ng  
 RT: 16.56 min Scan# 2156  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

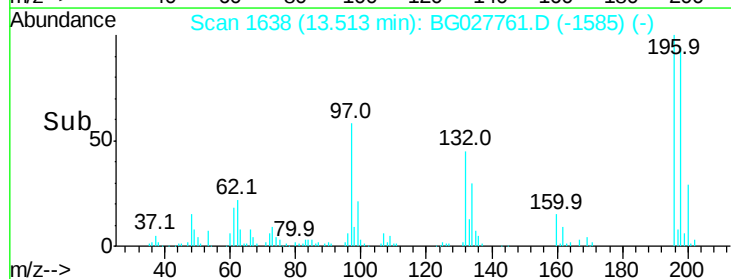
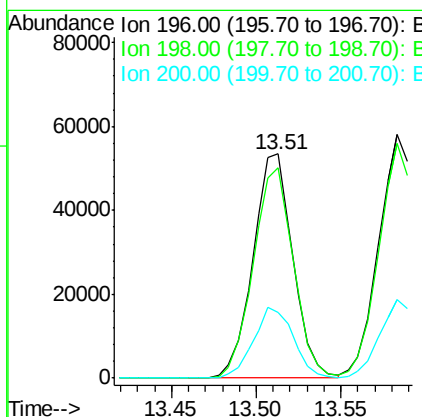
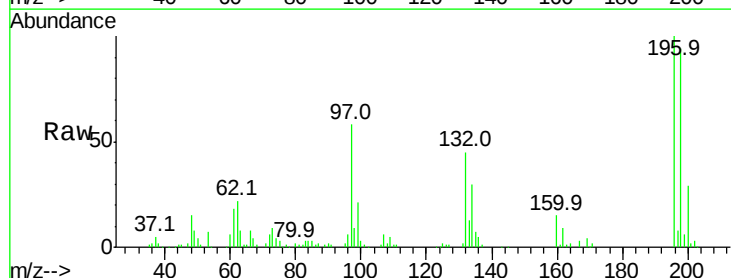
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.3  | 77.3  | 115.9 |
| 141     | 37.6  | 32.1  | 48.1  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.53 ng  
 RT: 13.51 min Scan# 1638  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.9  | 81.4  | 122.2 |
| 200     | 29.1  | 27.0  | 40.6  |

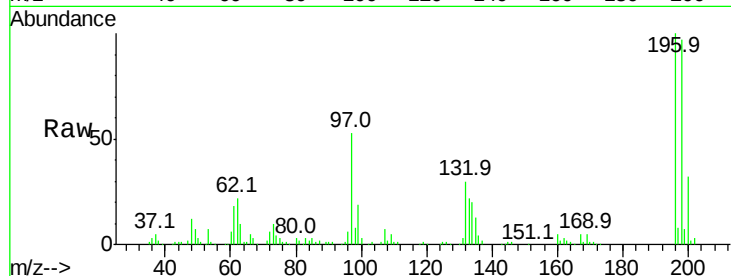




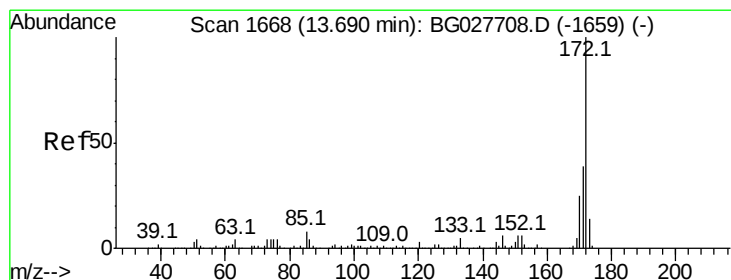
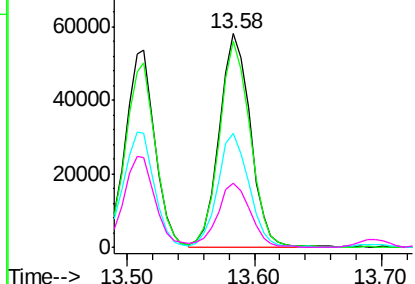
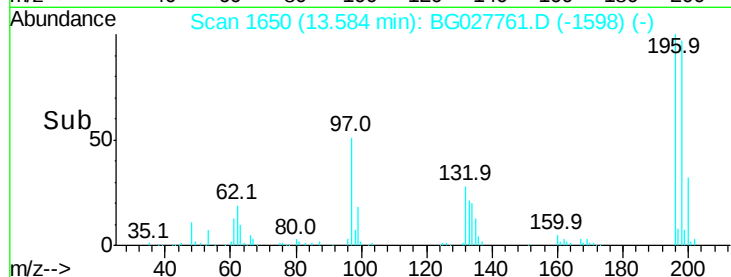
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.26 ng  
 RT: 13.58 min Scan# 1650  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

Tot Ion:196 Resp: 98724  
 Ion Ratio Lower Upper  
 196 100  
 198 96.6 79.9 119.9  
 97 53.4 45.4 68.0  
 132 29.8 20.7 31.1

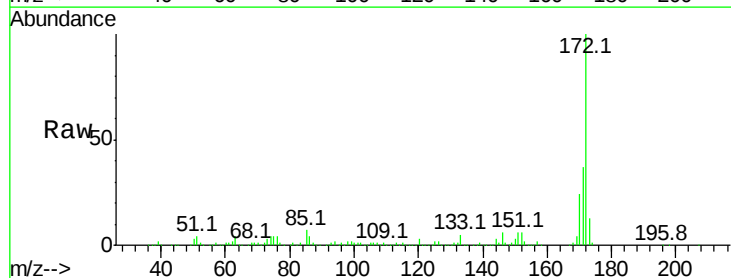


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

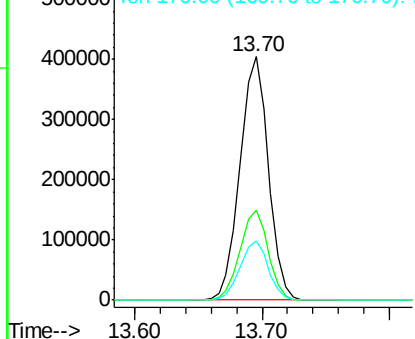
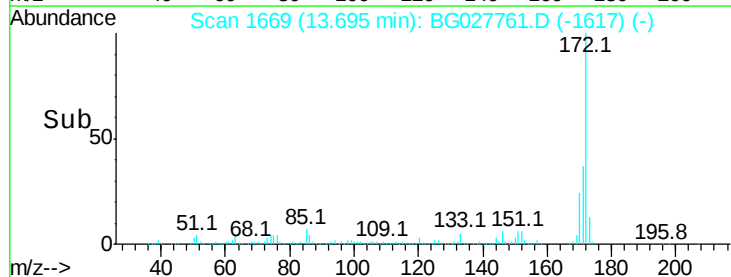


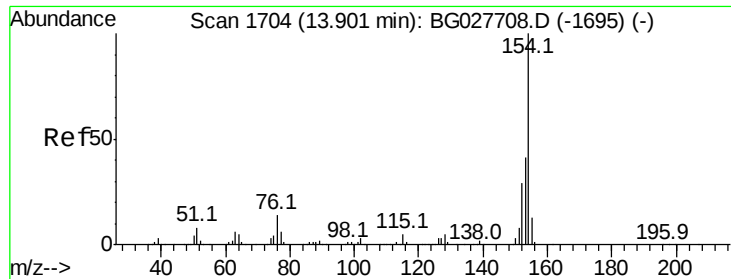
#44  
 2-Fluorobiphenyl  
 Concen: 84.26 ng  
 RT: 13.70 min Scan# 1669  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:172 Resp: 626037  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 32.2 48.2  
 170 24.3 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: 40.35 ng

RT: 13.91 min Scan# 1705

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

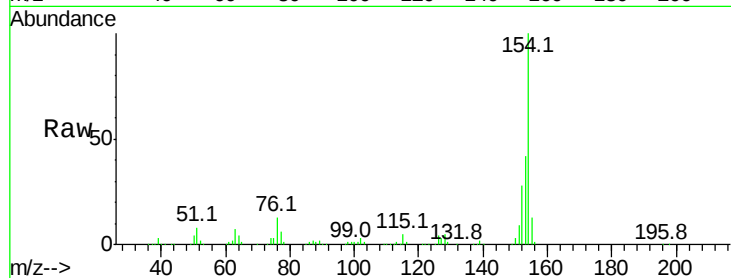
Tot Ion:154 Resp: 343165

Ion Ratio Lower Upper

154 100

153 42.0 23.0 63.0

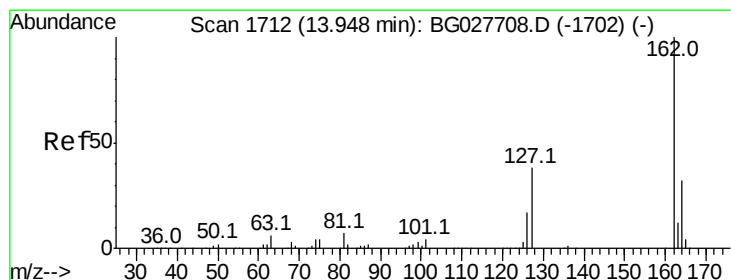
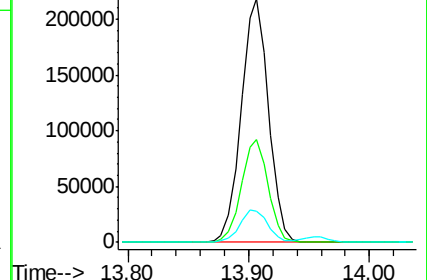
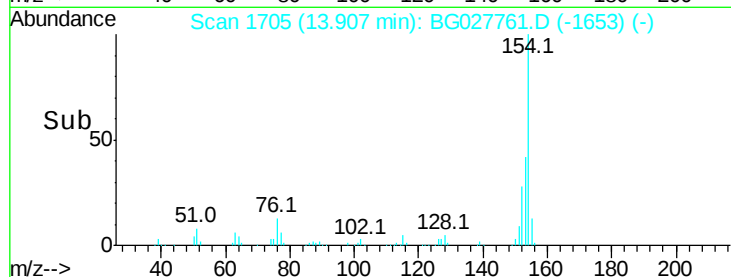
76 13.0 0.0 33.5



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: 40.22 ng

RT: 13.96 min Scan# 1714

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

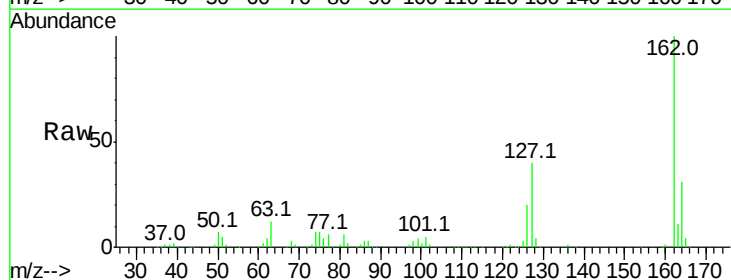
Tgt Ion:162 Resp: 258410

Ion Ratio Lower Upper

162 100

127 40.1 32.2 48.4

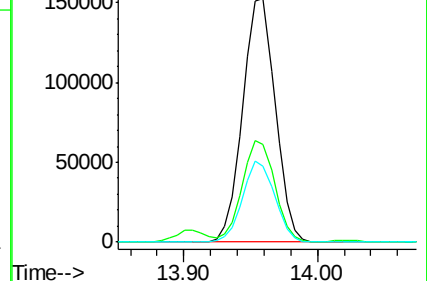
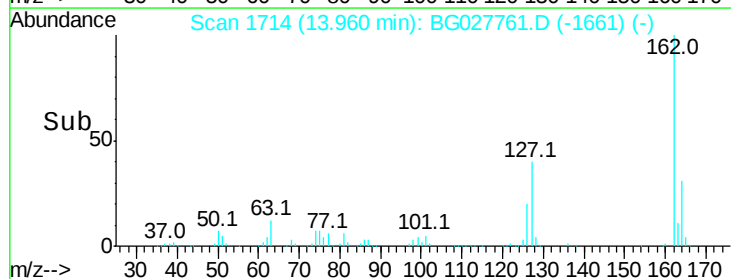
164 31.3 27.3 40.9

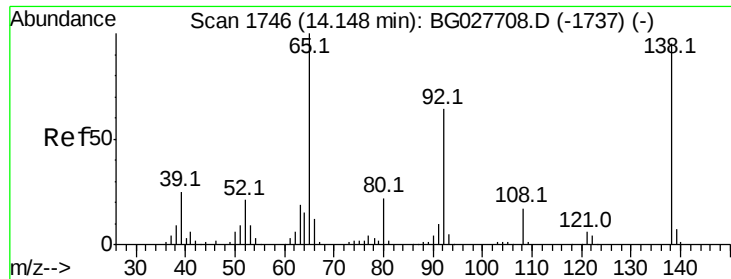


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

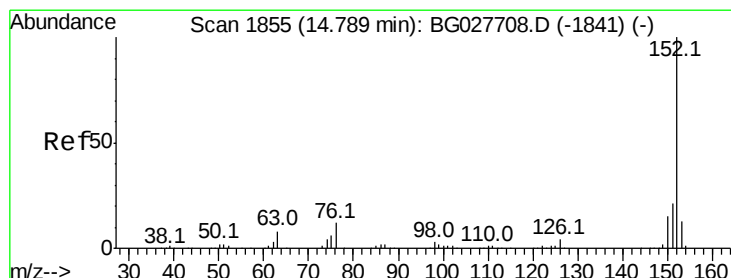
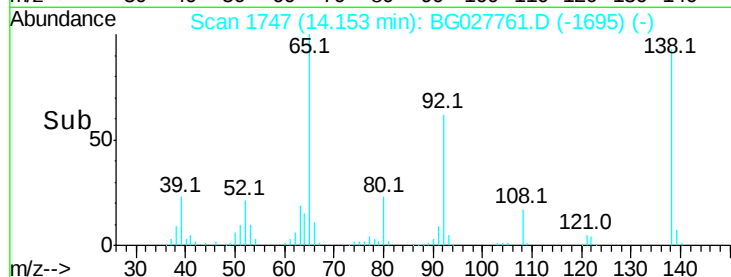
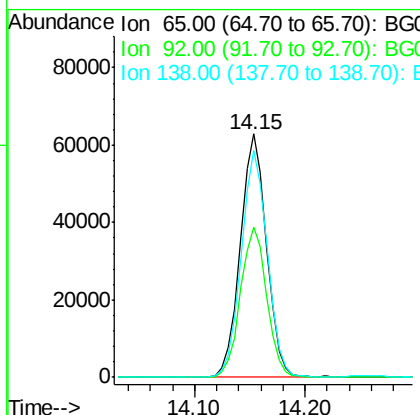
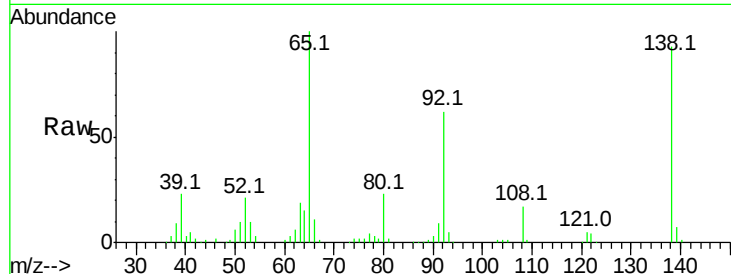




#47  
2-Nitroaniline  
Concen: 40.75 ng  
RT: 14.15 min Scan# 1747  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

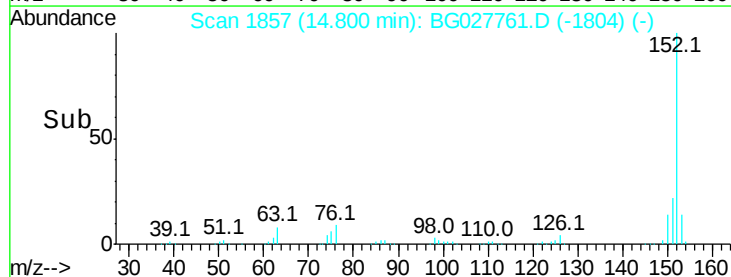
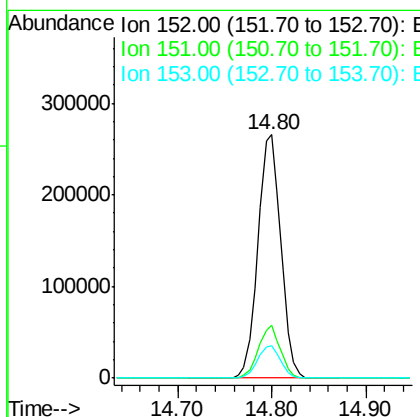
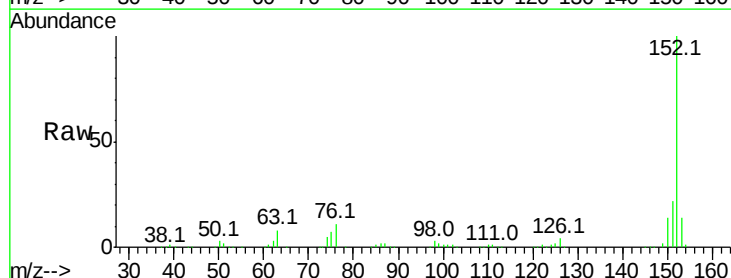
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

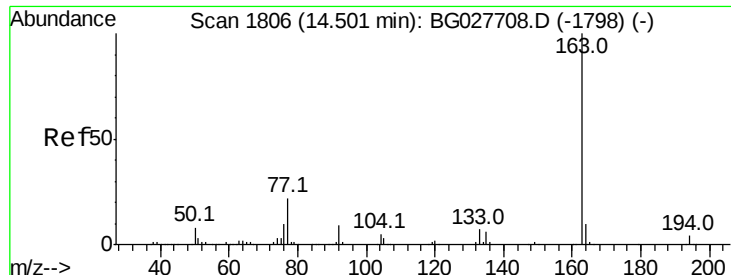
Tot Ion: 65 Resp: 104815  
Ion Ratio Lower Upper  
65 100  
92 61.6 49.0 73.4  
138 93.3 58.6 87.8#



#48  
Acenaphthylene  
Concen: 38.04 ng  
RT: 14.80 min Scan# 1857  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:152 Resp: 446563  
Ion Ratio Lower Upper  
152 100  
151 21.6 18.2 27.2  
153 13.5 11.3 16.9





#49

Dimethylphthalate

Concen: 40.39 ng

RT: 14.51 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

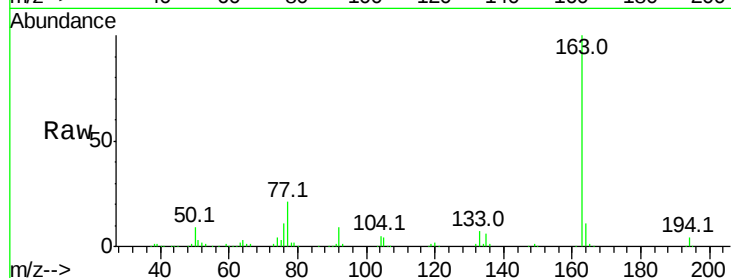
Tot Ion:163 Resp: 365632

Ion Ratio Lower Upper

163 100

194 4.2 3.8 5.6

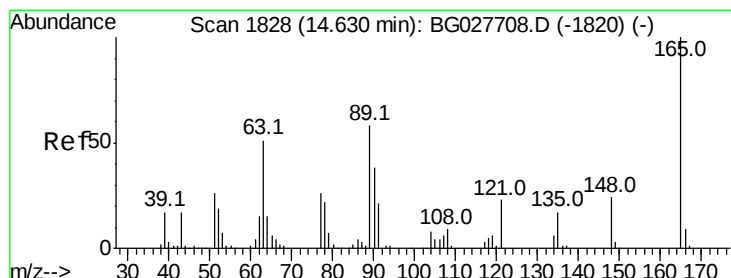
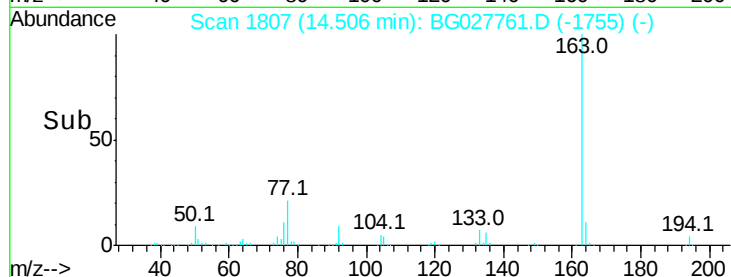
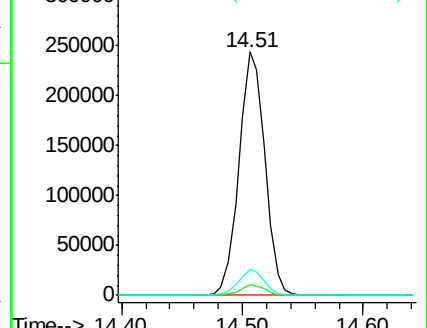
164 10.6 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 41.16 ng

RT: 14.64 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

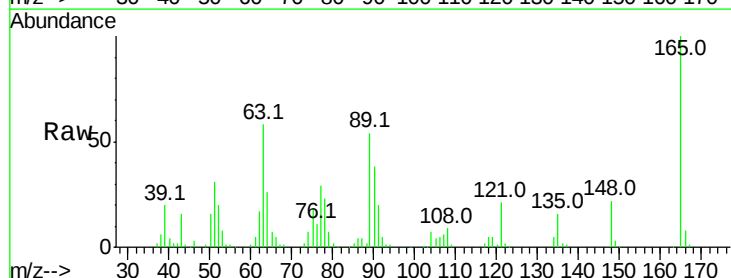
Tgt Ion:165 Resp: 80988

Ion Ratio Lower Upper

165 100

63 58.4 63.9 95.9#

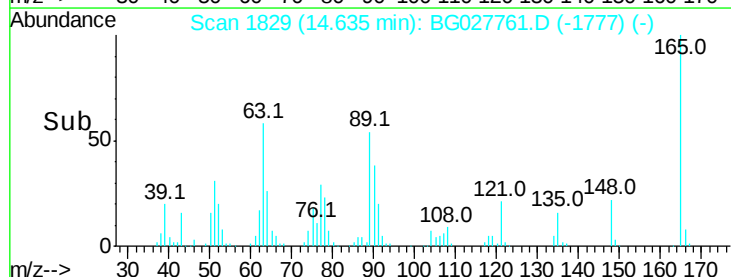
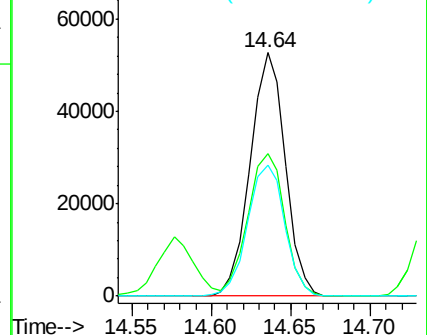
89 53.5 58.6 88.0#

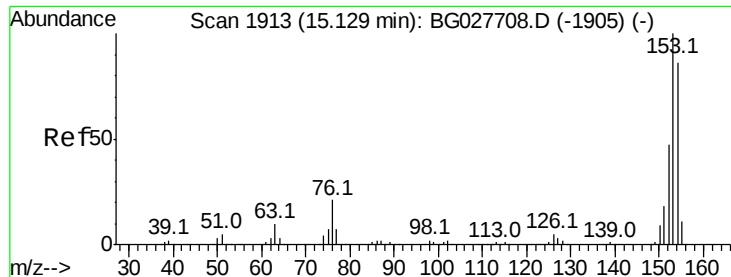


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 37.25 ng

RT: 15.13 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

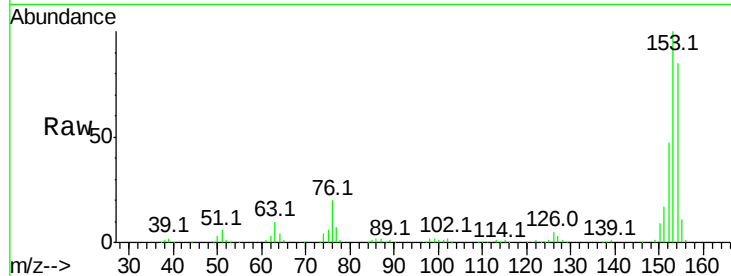
Tot Ion:154 Resp: 280272

Ion Ratio Lower Upper

154 100

153 117.1 87.8 131.6

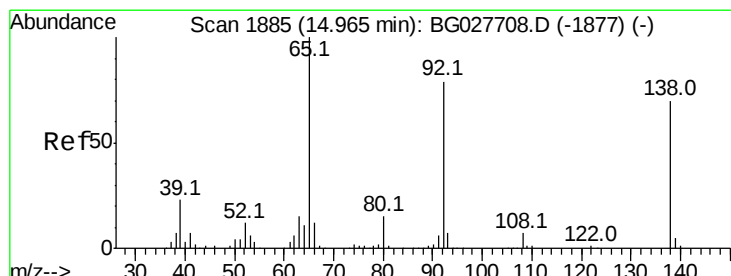
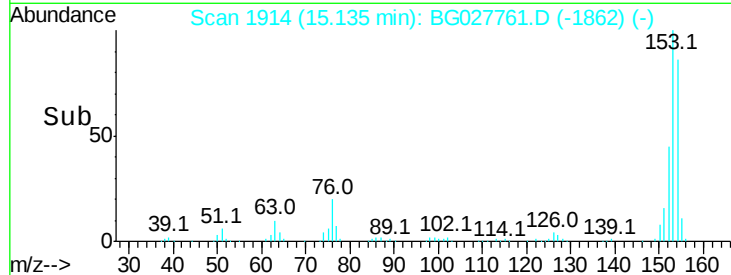
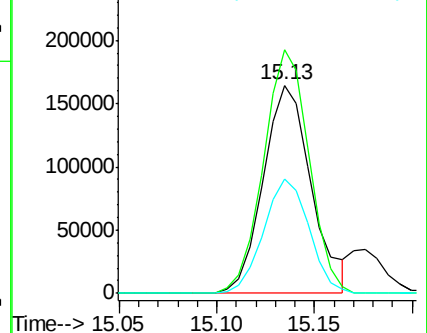
152 54.7 42.2 63.4



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: 15.21 ng

RT: 14.97 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

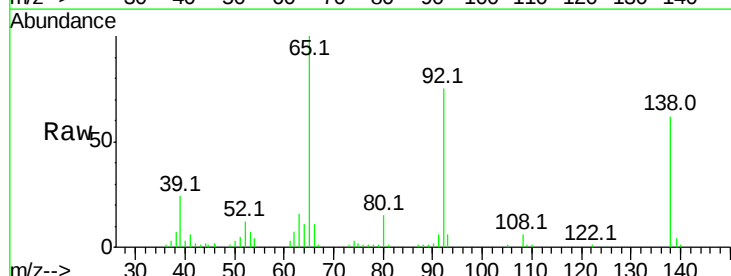
Tgt Ion:138 Resp: 35203

Ion Ratio Lower Upper

138 100

108 10.0 10.9 16.3#

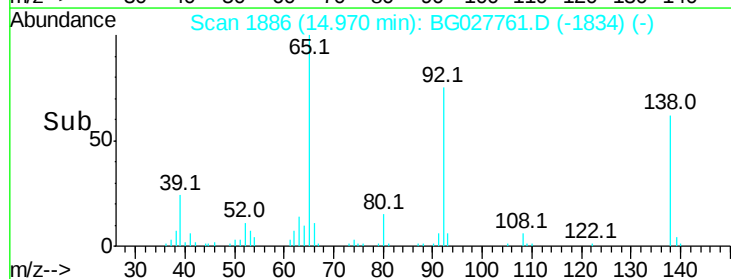
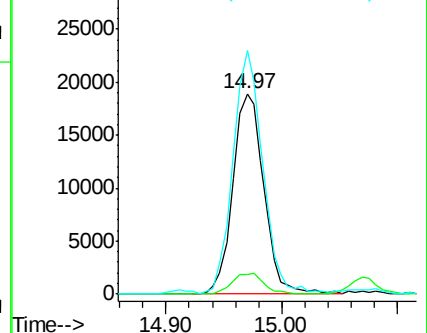
92 121.4 115.3 172.9

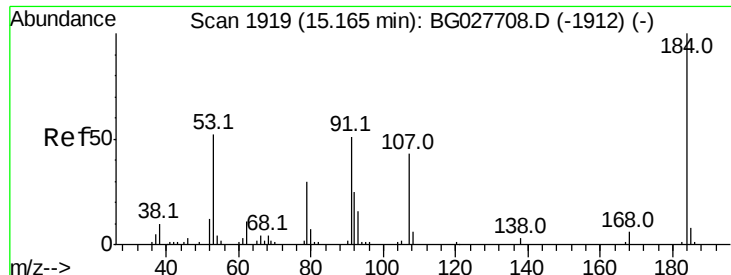


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

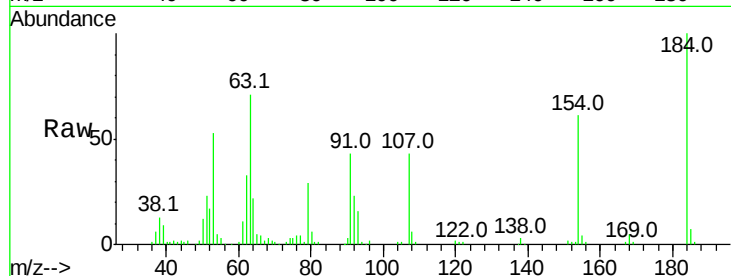




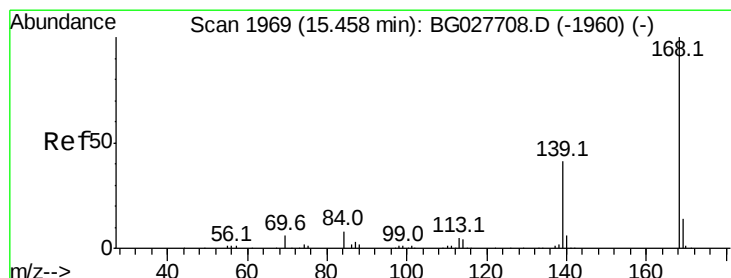
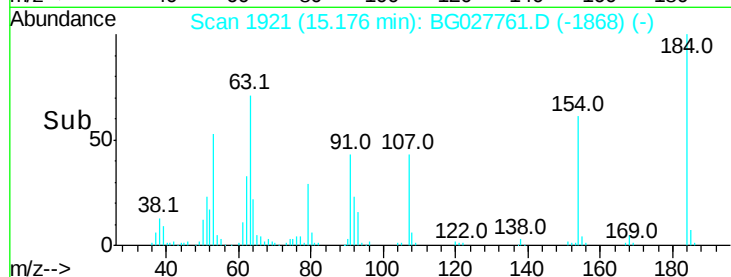
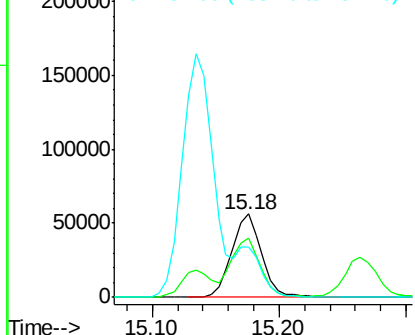
#53  
2,4-Dinitrophenol  
Concen: 84.05 ng  
RT: 15.18 min Scan# 1921  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

Tot Ion:184 Resp: 91295  
Ion Ratio Lower Upper  
184 100  
63 70.8 52.7 79.1  
154 61.0 57.3 85.9

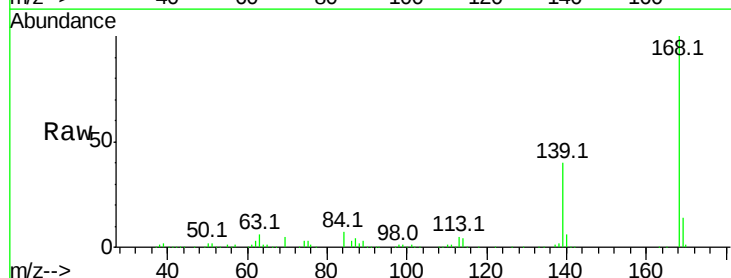


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

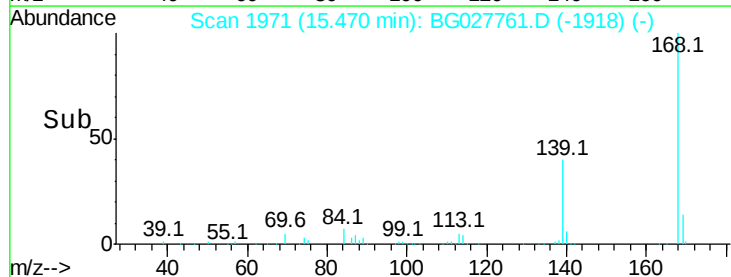
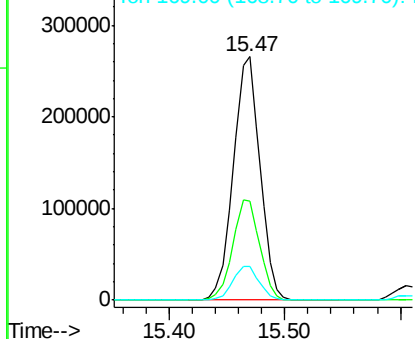


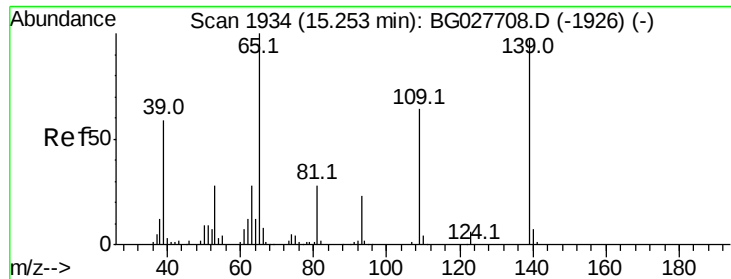
#54  
Dibenzofuran  
Concen: 42.54 ng  
RT: 15.47 min Scan# 1971  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:168 Resp: 423276  
Ion Ratio Lower Upper  
168 100  
139 40.4 35.3 52.9  
169 14.1 11.5 17.3



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

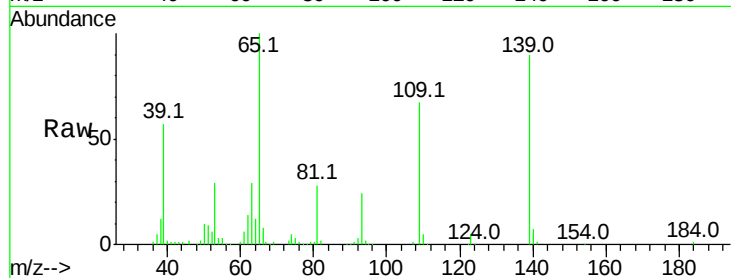




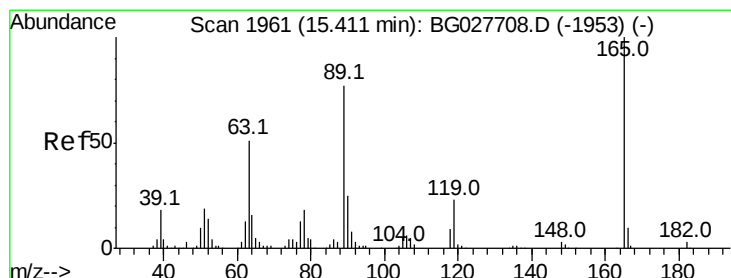
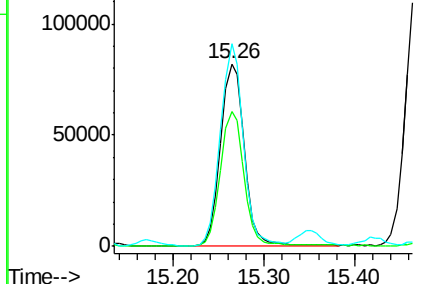
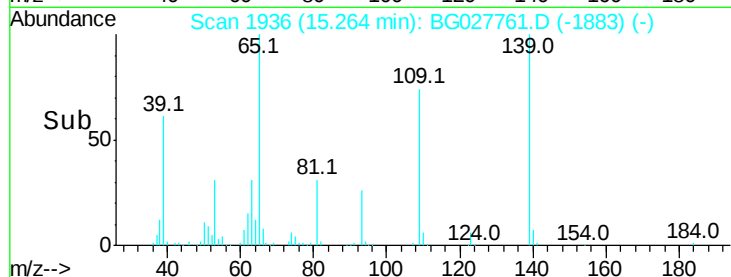
#55  
4-Nitrophenol  
Concen: 85.65 ng  
RT: 15.26 min Scan# 1936  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

Tot Ion:139 Resp: 151354  
Ion Ratio Lower Upper  
139 100  
109 74.1 101.2 141.2#  
65 110.8 135.3 175.3#

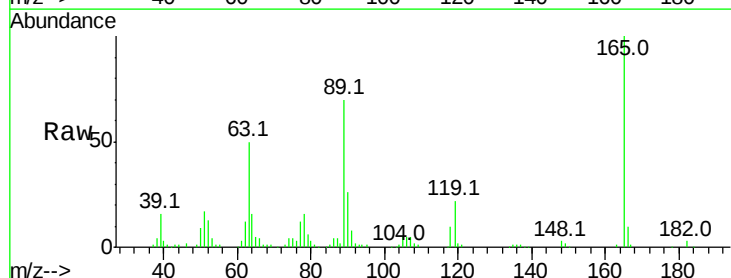


Abundance Ion 139.00 (138.70 to 139.70): E  
150000  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

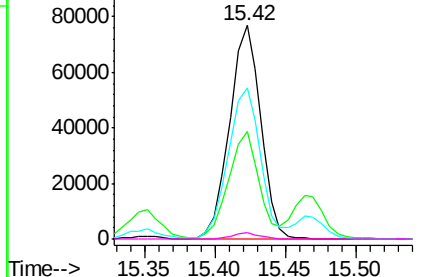
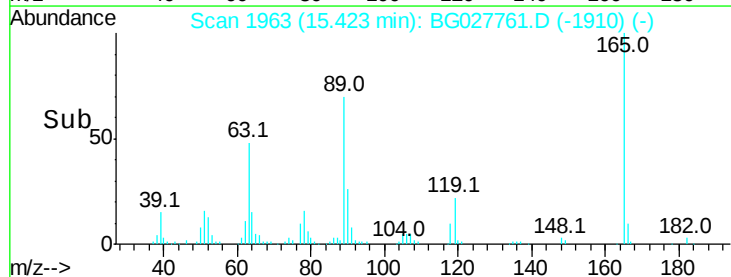


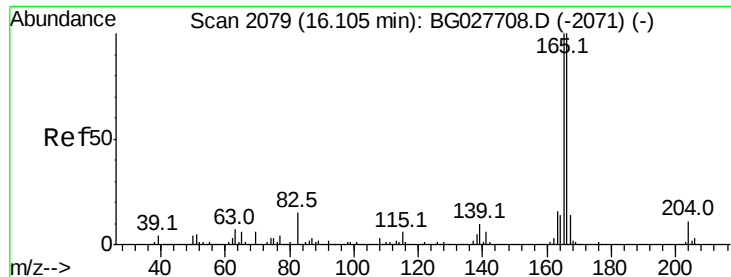
#56  
2,4-Dinitrotoluene  
Concen: 43.12 ng  
RT: 15.42 min Scan# 1963  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:165 Resp: 118338  
Ion Ratio Lower Upper  
165 100  
63 50.1 44.0 66.0  
89 70.4 67.3 100.9  
182 2.9 3.8 5.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
120000  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

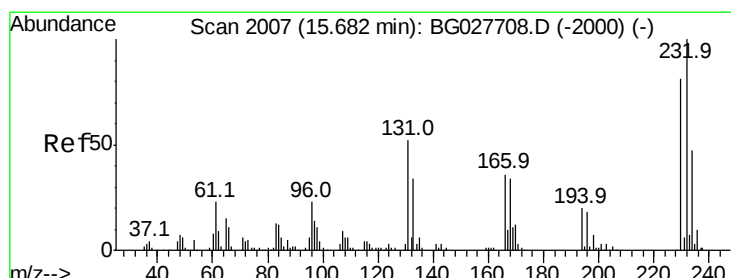
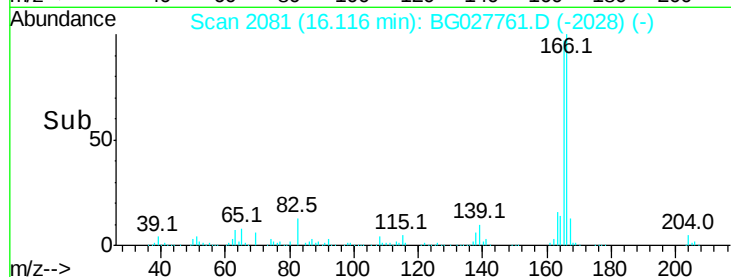
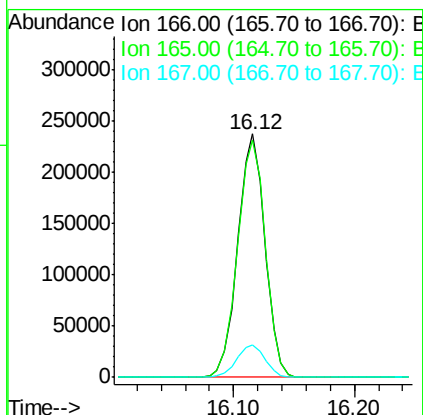
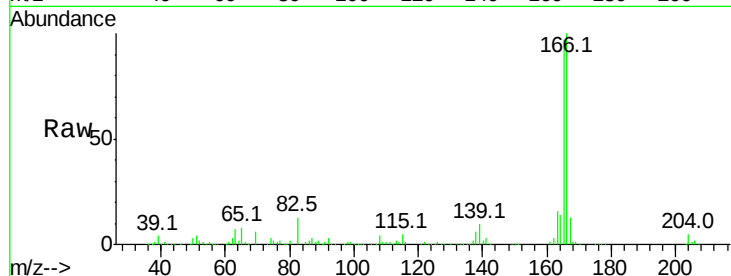




#57  
**Fluorene**  
 Concen: 38.60 ng  
 RT: 16.12 min Scan# 2081  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

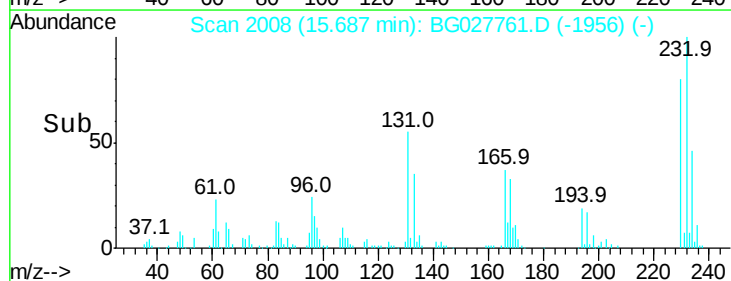
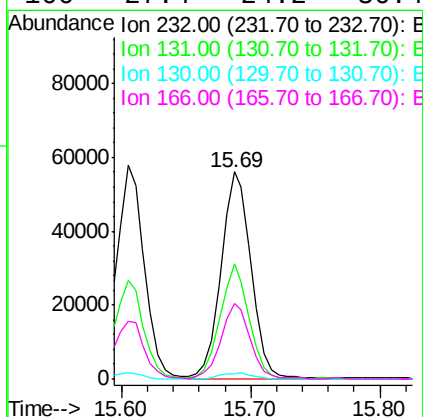
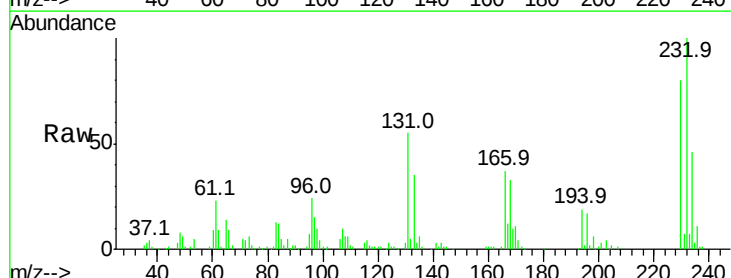
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

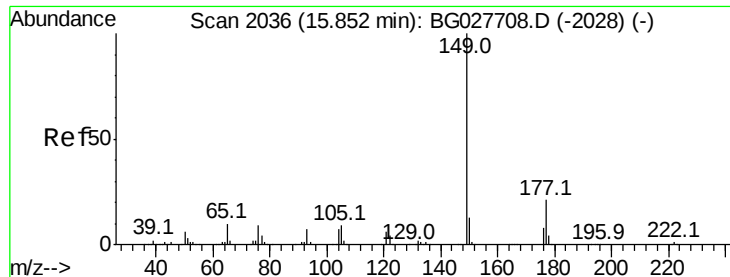
Tot Ion:166 Resp: 372377  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 78.6 117.8  
 167 13.3 11.6 17.4



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 47.22 ng m  
 RT: 15.69 min Scan# 2008  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:232 Resp: 92887  
 Ion Ratio Lower Upper  
 232 100  
 131 45.0 34.9 52.3  
 130 2.8 2.3 3.5  
 166 27.4 24.2 36.4





#59

Diethylphthalate

Concen: 40.86 ng

RT: 15.86 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

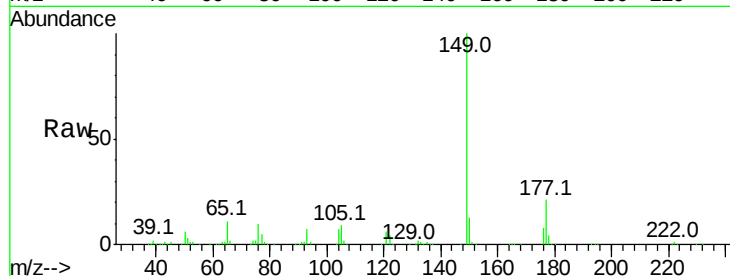
Tot Ion:149 Resp: 409558

Ion Ratio Lower Upper

149 100

177 20.5 20.1 30.1

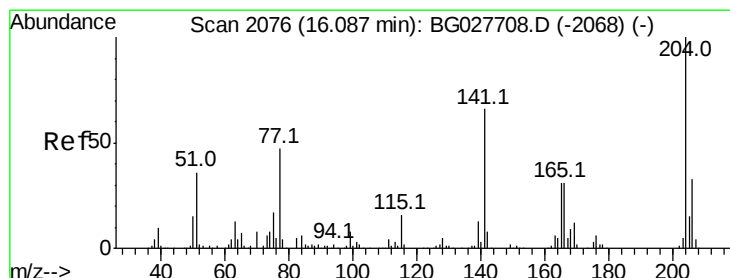
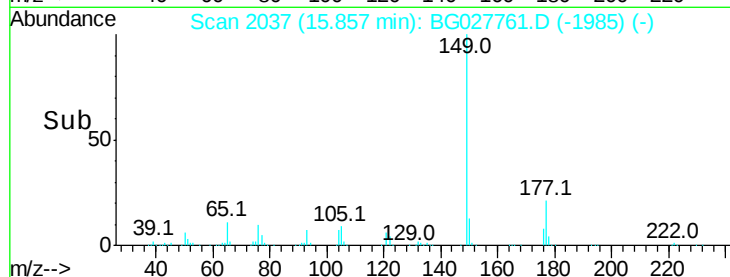
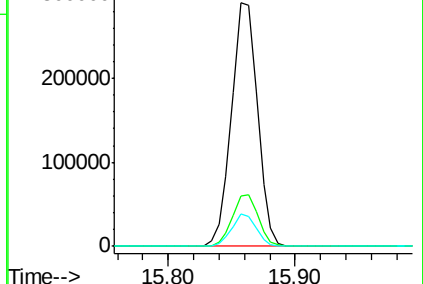
150 13.2 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 40.90 ng

RT: 16.09 min Scan# 2077

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

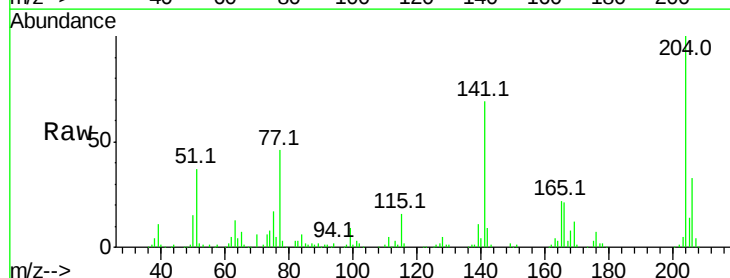
Tgt Ion:204 Resp: 174688

Ion Ratio Lower Upper

204 100

206 33.2 30.1 45.1

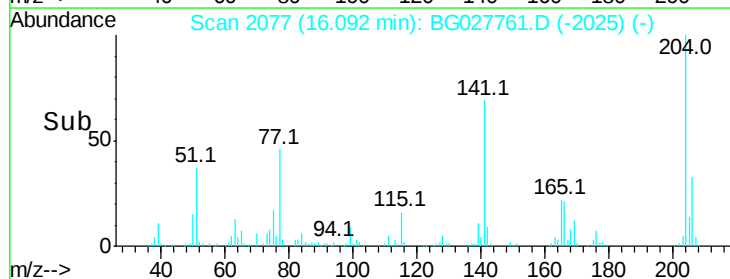
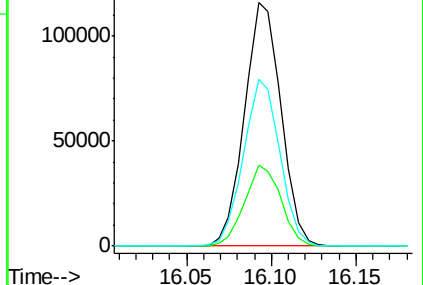
141 68.8 50.6 76.0

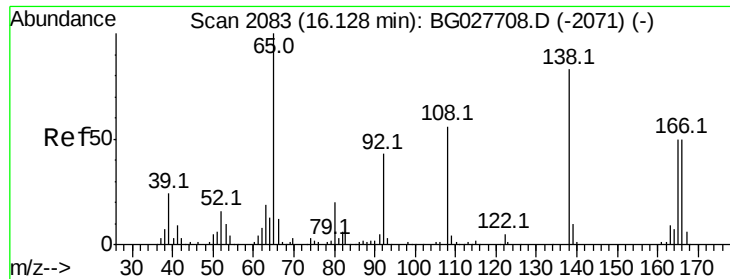


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

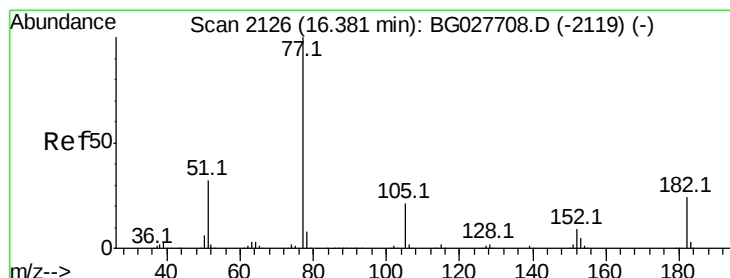
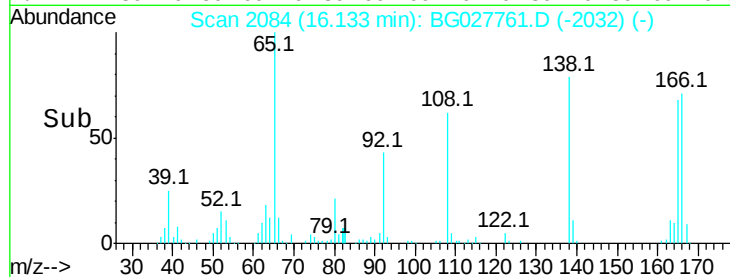
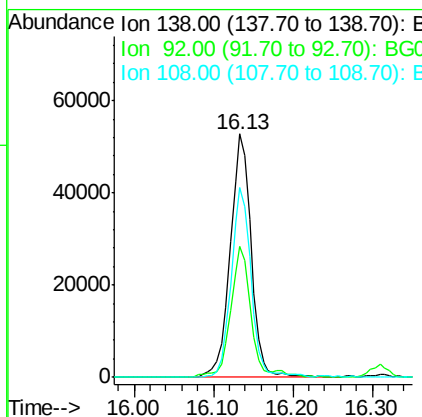
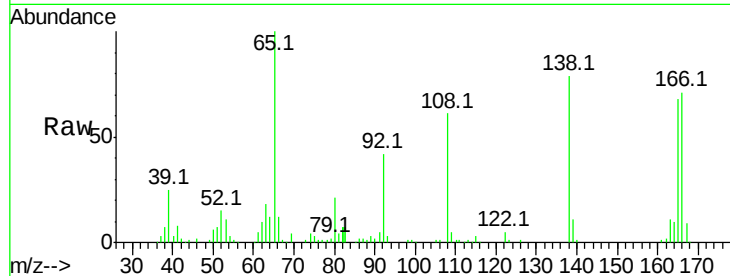




#61  
 4-Nitroaniline  
 Concen: 40.09 ng  
 RT: 16.13 min Scan# 2084  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

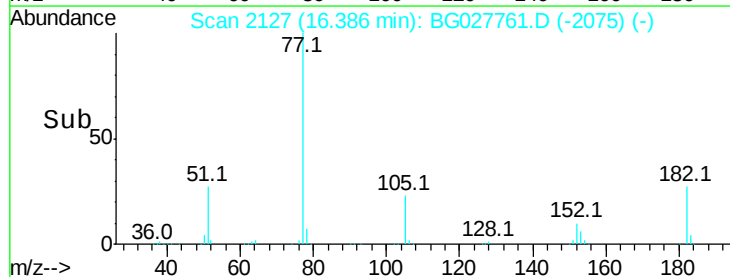
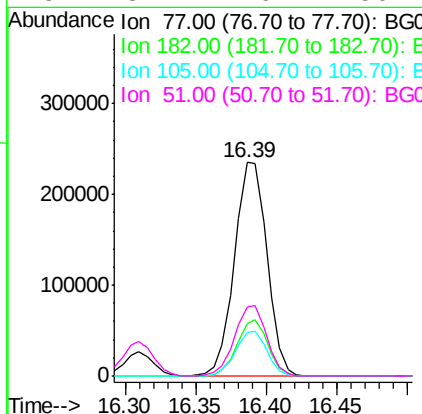
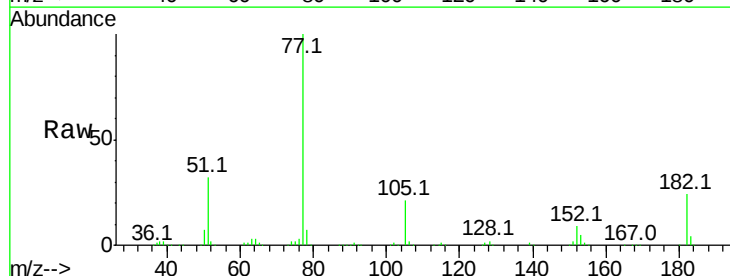
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

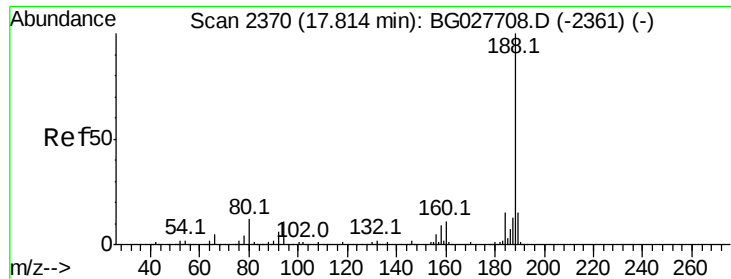
Tot Ion:138 Resp: 96693  
 Ion Ratio Lower Upper  
 138 100  
 92 53.8 44.2 84.2  
 108 77.9 104.8 144.8#



#62  
 Azobenzene  
 Concen: 42.98 ng  
 RT: 16.39 min Scan# 2127  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion: 77 Resp: 378583  
 Ion Ratio Lower Upper  
 77 100  
 182 24.3 4.7 44.7  
 105 20.5 0.0 36.3  
 51 32.1 16.4 56.4

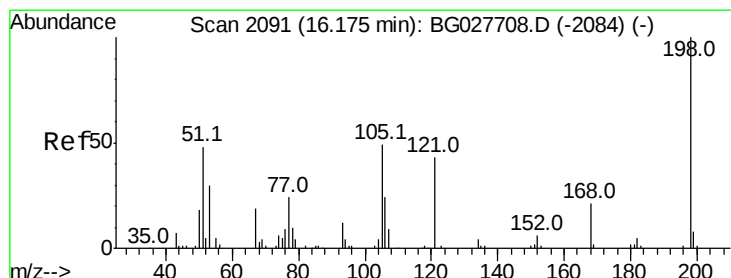
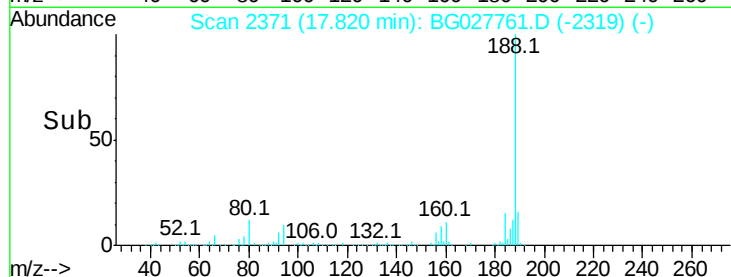
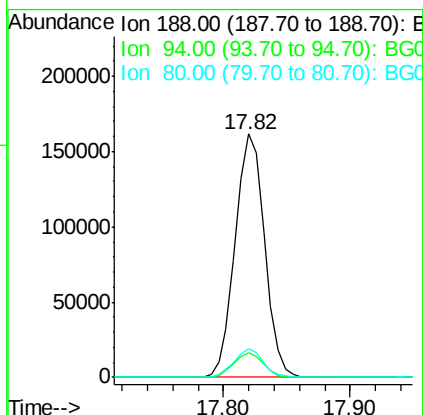
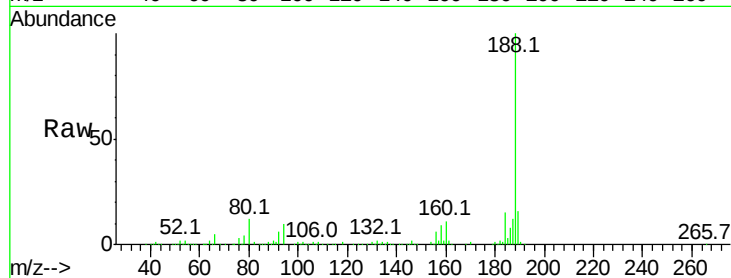




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.82 min Scan# 2371  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

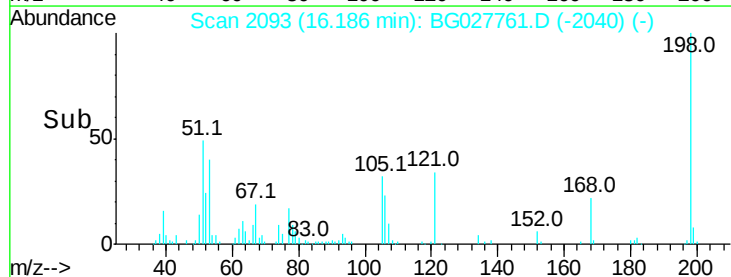
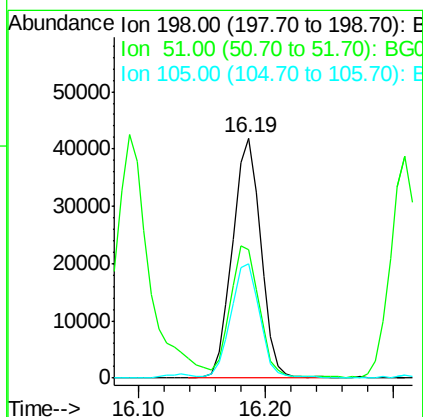
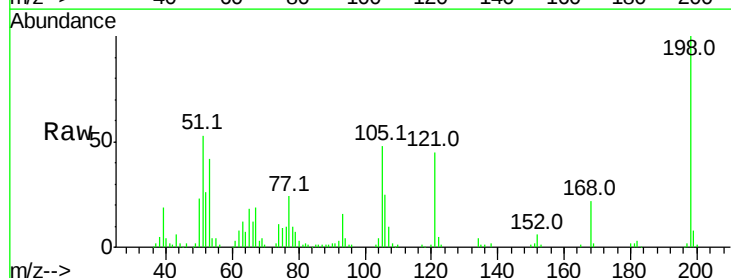
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

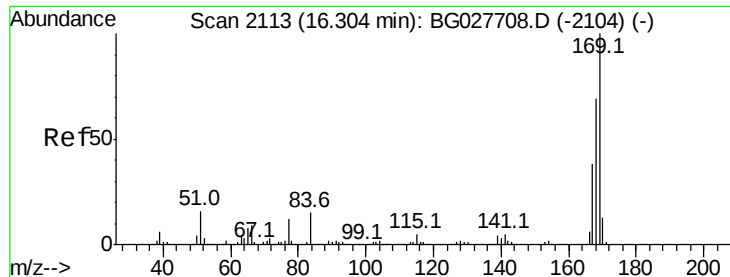
Tot Ion:188 Resp: 259376  
Ion Ratio Lower Upper  
188 100  
94 10.3 5.8 8.8#  
80 11.8 7.5 11.3#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.02 ng  
RT: 16.19 min Scan# 2093  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:198 Resp: 64775  
Ion Ratio Lower Upper  
198 100  
51 53.3 22.6 62.6  
105 47.6 14.4 54.4





#65

n-Nitrosodiphenylamine

Concen: 40.29 ng

RT: 16.31 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

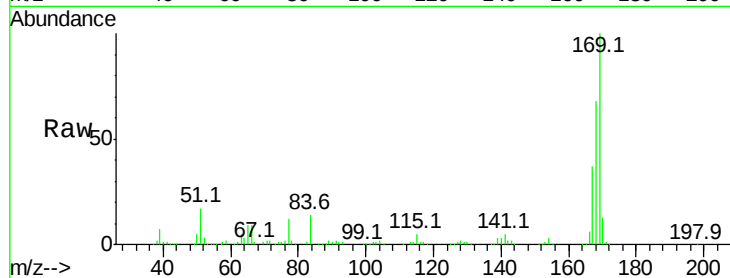
Tot Ion:169 Resp: 339973

Ion Ratio Lower Upper

169 100

168 68.1 55.7 83.5

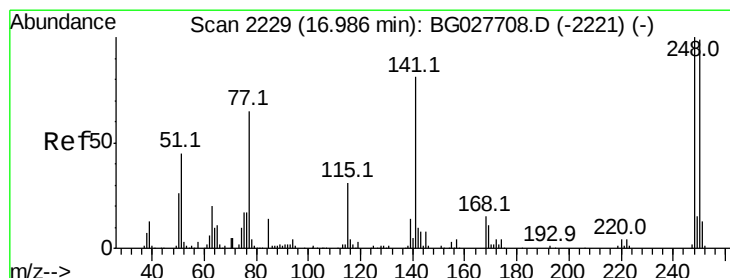
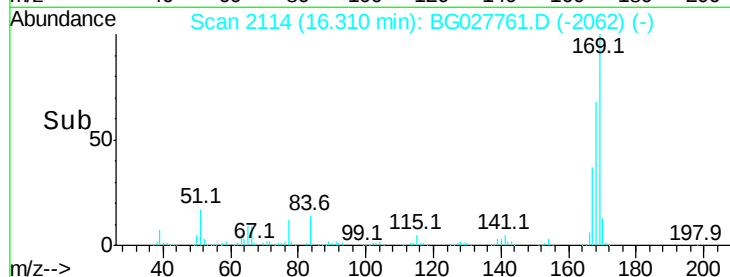
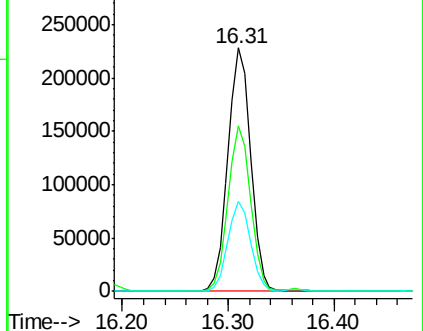
167 37.2 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.38 ng

RT: 16.99 min Scan# 2230

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

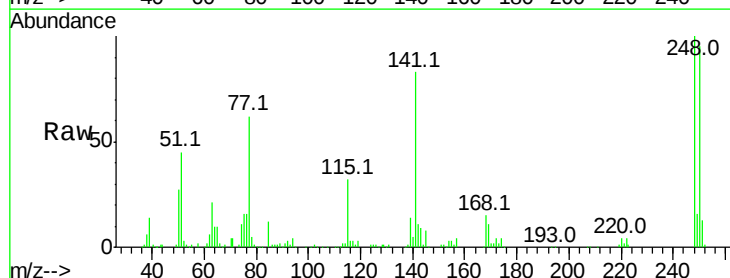
Tgt Ion:248 Resp: 117671

Ion Ratio Lower Upper

248 100

250 95.2 75.0 112.6

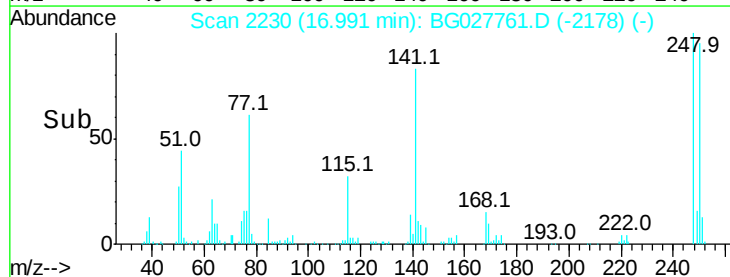
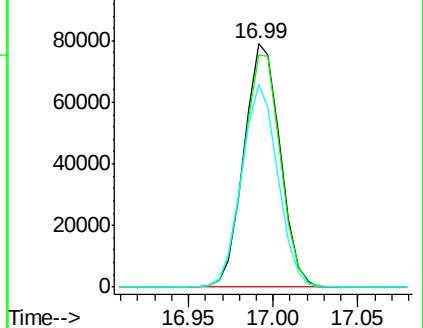
141 83.2 55.2 82.8#

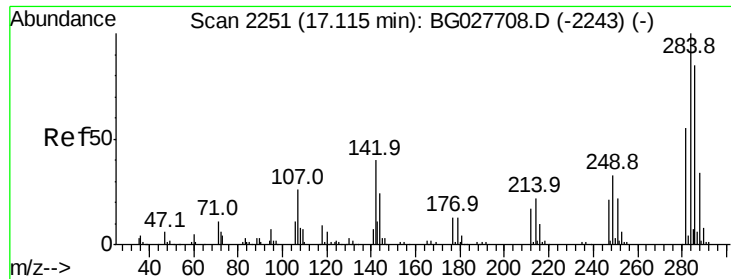


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

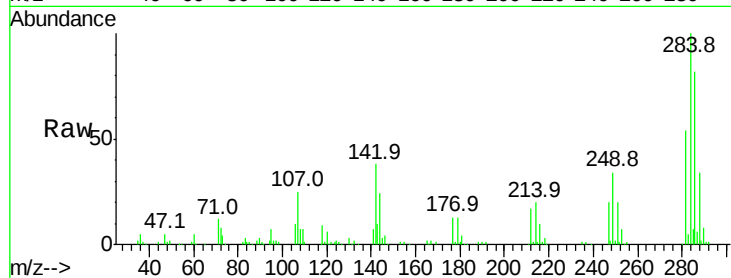




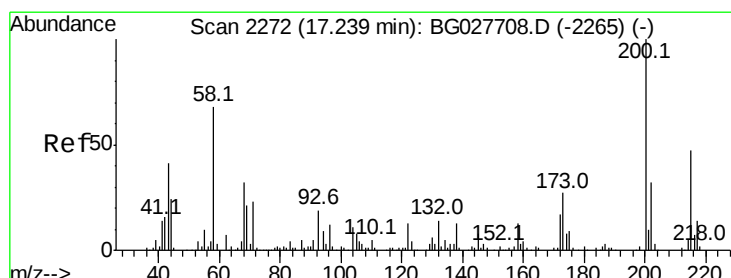
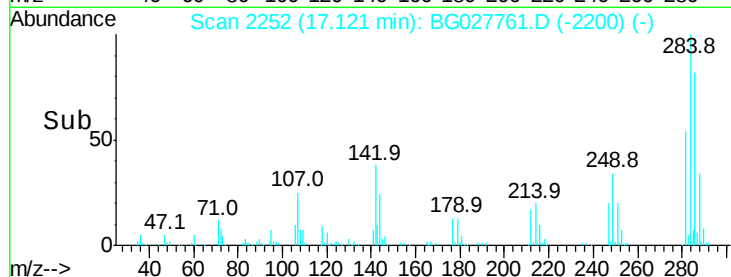
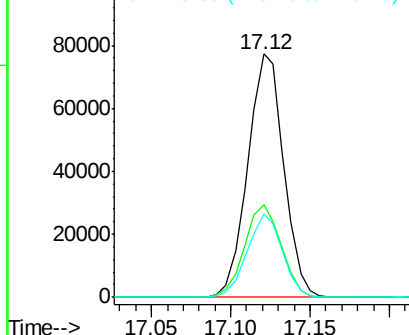
#67  
Hexachlorobenzene  
Concen: 42.33 ng  
RT: 17.12 min Scan# 2252  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.1  | 29.9  | 44.9  |
| 249     | 34.2  | 29.2  | 43.8  |

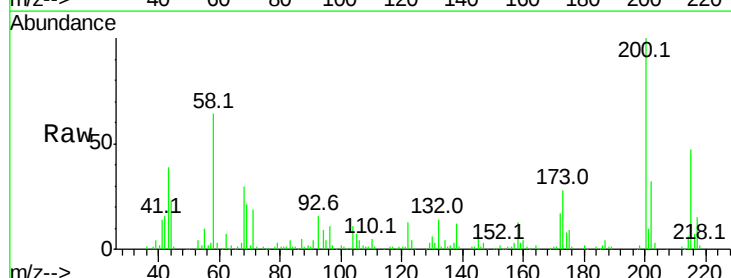


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

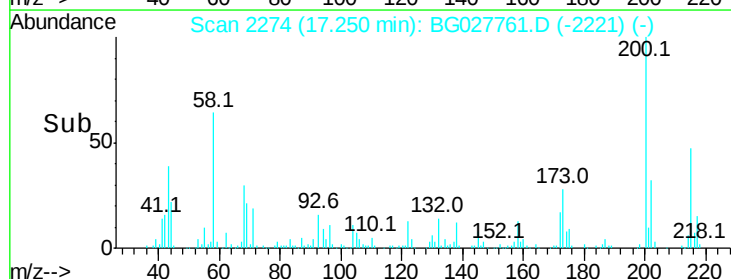
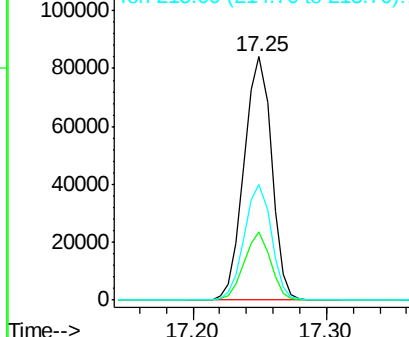


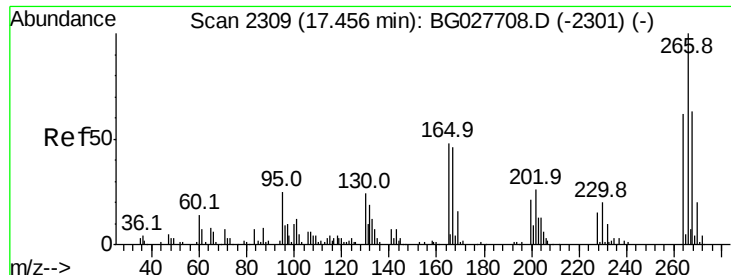
#68  
Atrazine  
Concen: 45.01 ng  
RT: 17.25 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.9  | 3.0   | 43.0  |
| 215     | 47.4  | 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

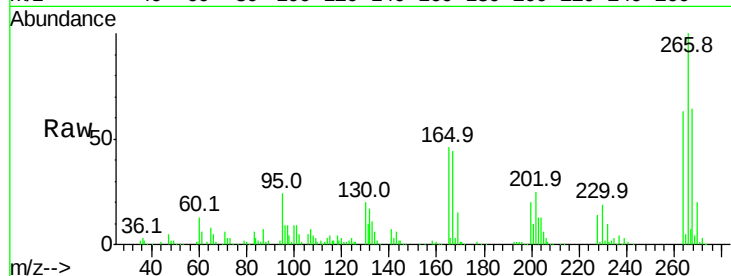




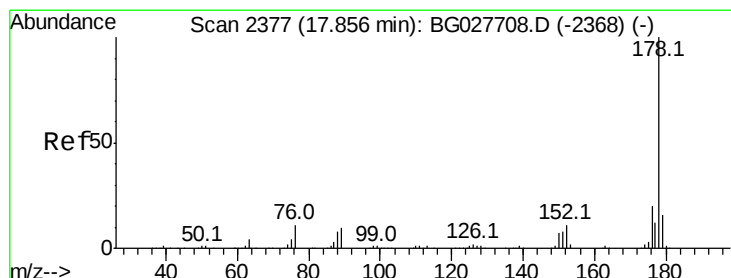
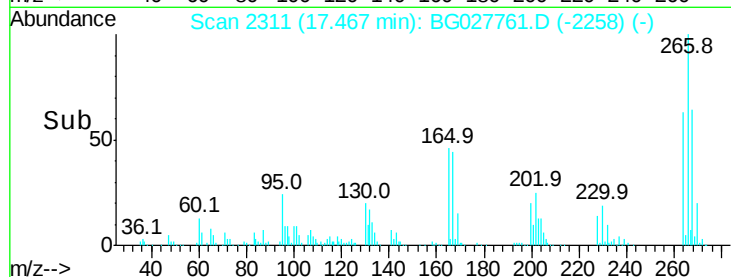
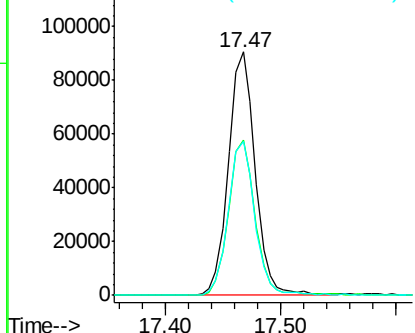
#69  
 Pentachlorophenol  
 Concen: 79.47 ng  
 RT: 17.47 min Scan# 2311  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 48.6  | 72.8  |
| 264     | 63.3  | 50.1  | 75.1  |

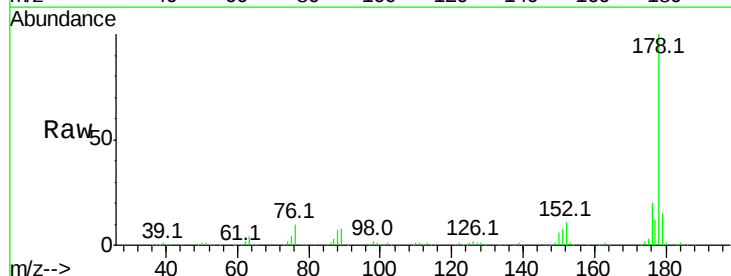


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

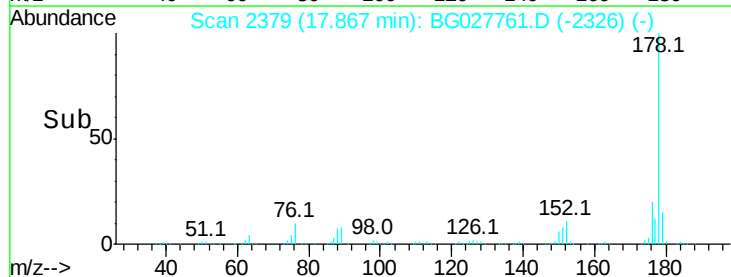
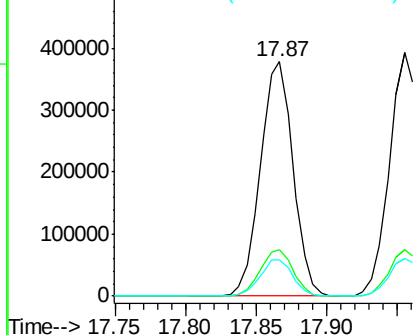


#70  
 Phenanthrene  
 Concen: 40.99 ng  
 RT: 17.87 min Scan# 2379  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 17.7  | 26.5  |
| 179     | 15.5  | 15.0  | 22.6  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

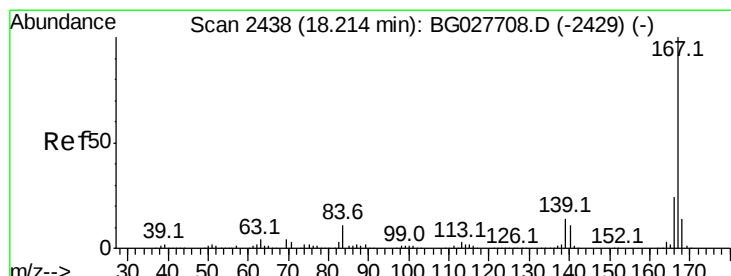
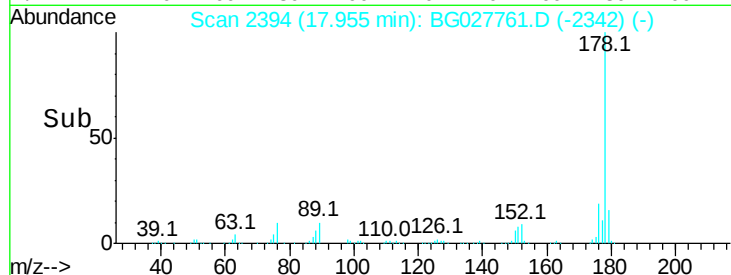
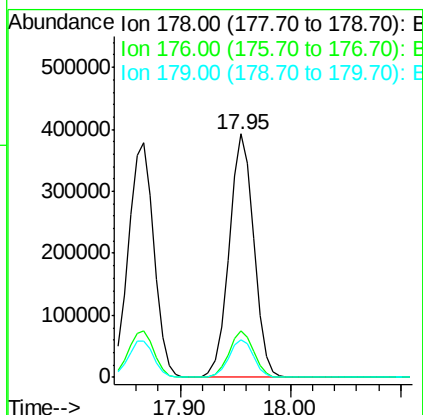
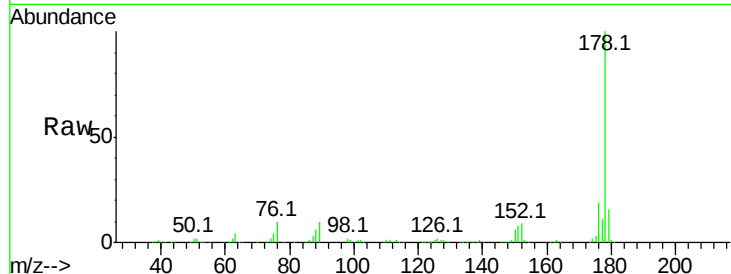




#71  
 Anthracene  
 Concen: 40.51 ng  
 RT: 17.95 min Scan# 2394  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

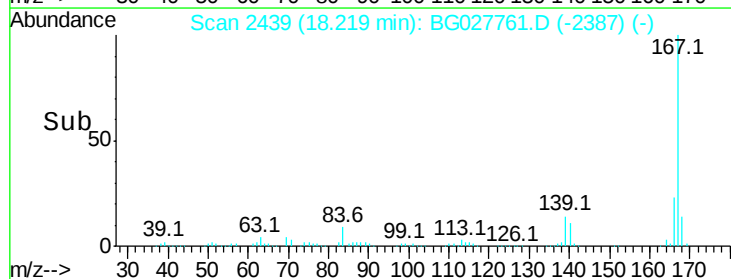
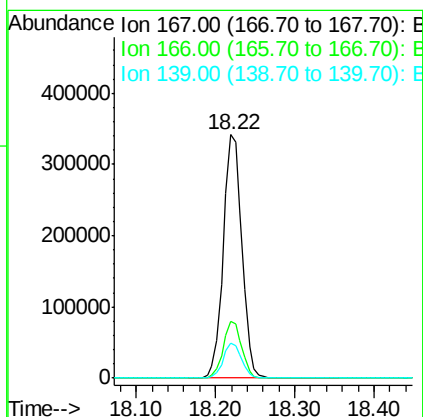
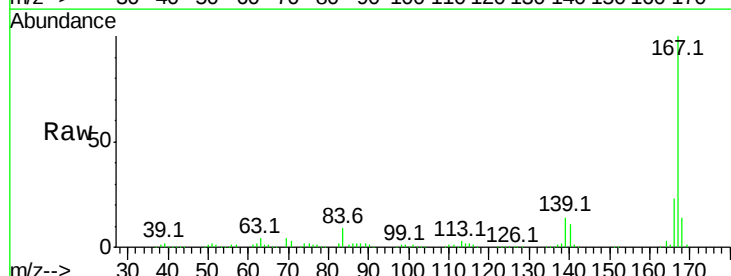
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

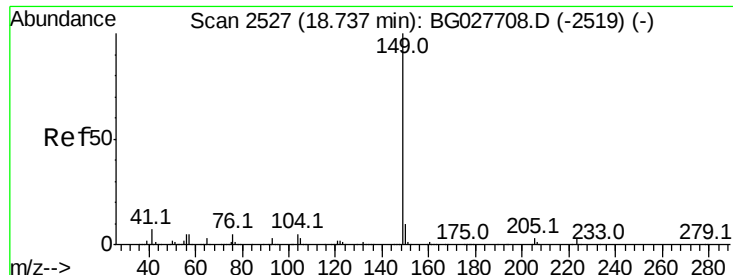
Tot Ion:178 Resp: 612464  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.4 24.6  
 179 15.7 13.8 20.8



#72  
 Carbazole  
 Concen: 37.24 ng  
 RT: 18.22 min Scan# 2439  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:167 Resp: 554533  
 Ion Ratio Lower Upper  
 167 100  
 166 23.1 20.2 30.2  
 139 14.3 12.8 19.2

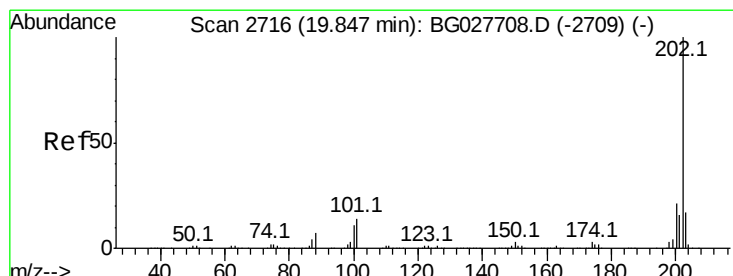
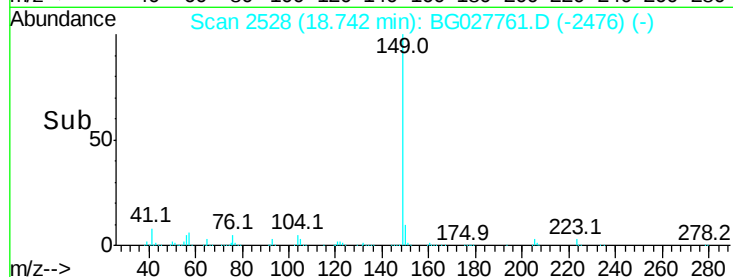
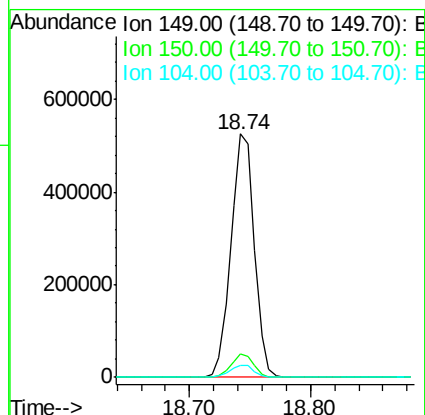
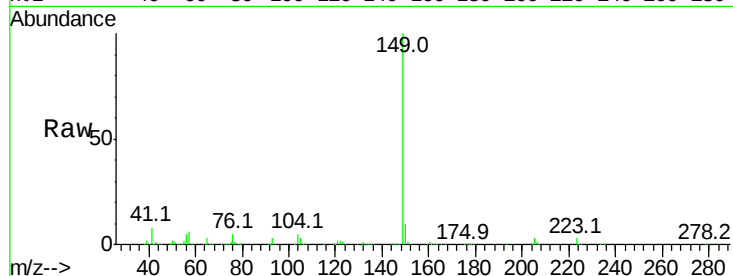




#73  
Di-n-butylphthalate  
Concen: 43.03 ng  
RT: 18.74 min Scan# 2528  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

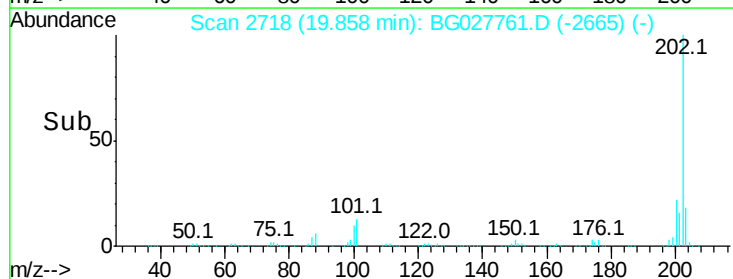
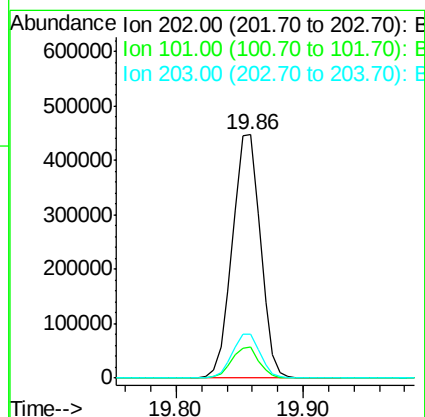
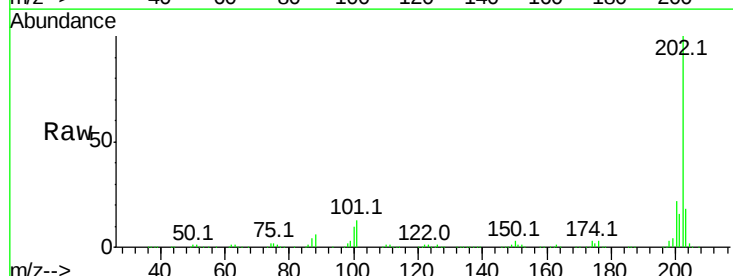
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

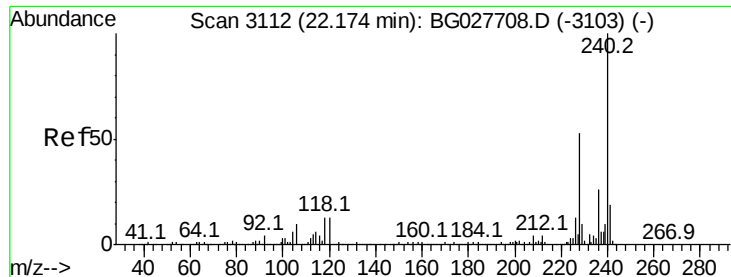
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.7   | 9.1   | 13.7  |
| 104     | 5.1   | 6.7   | 10.1  |



#74  
Fluoranthene  
Concen: 41.62 ng  
RT: 19.86 min Scan# 2718  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 30.1  |
| 203     | 18.2  | 1.3   | 41.3  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.19 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

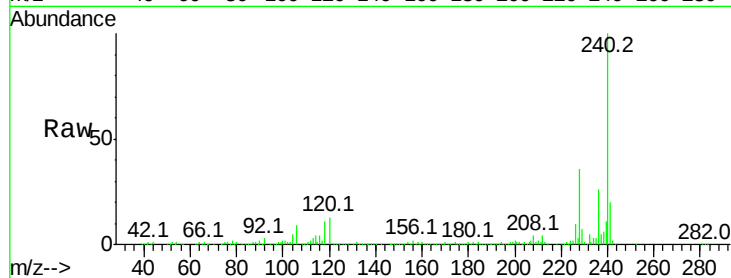
Tot Ion:240 Resp: 276884

Ion Ratio Lower Upper

240 100

120 13.2 5.7 8.5#

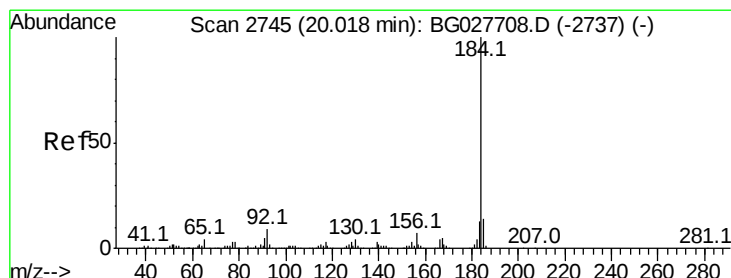
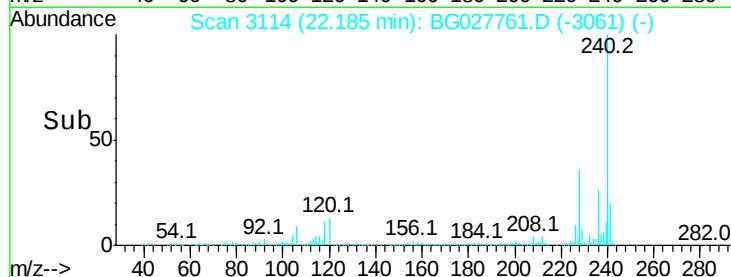
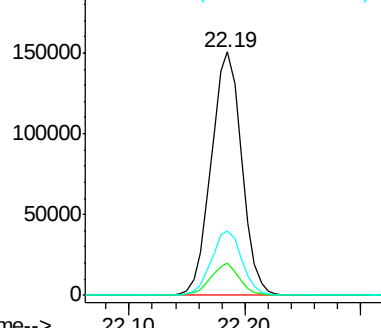
236 26.3 22.2 33.4



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: 43.87 ng

RT: 20.02 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

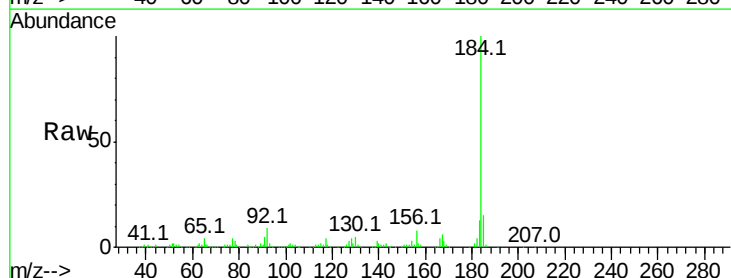
Tgt Ion:184 Resp: 287180

Ion Ratio Lower Upper

184 100

185 15.1 13.0 19.6

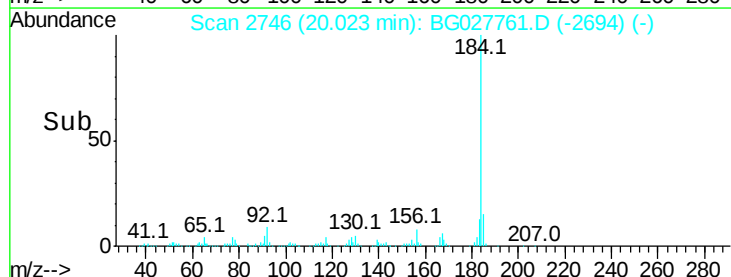
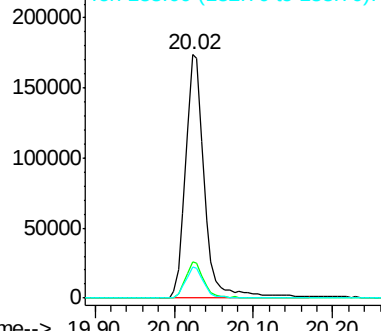
183 12.6 11.0 16.6

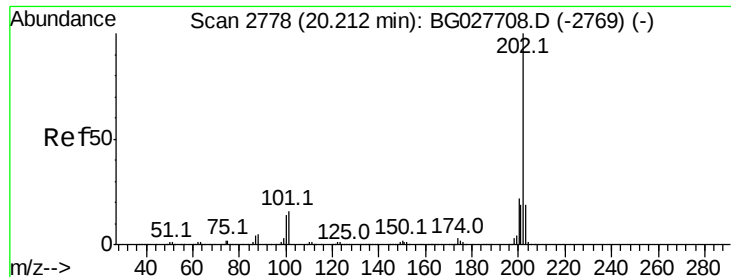


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 40.07 ng

RT: 20.22 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

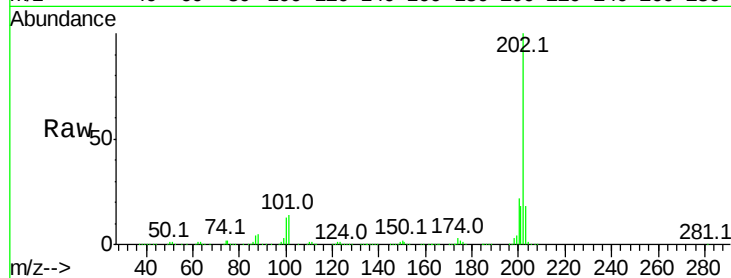
Tot Ion:202 Resp: 696252

Ion Ratio Lower Upper

202 100

200 22.1 19.6 29.4

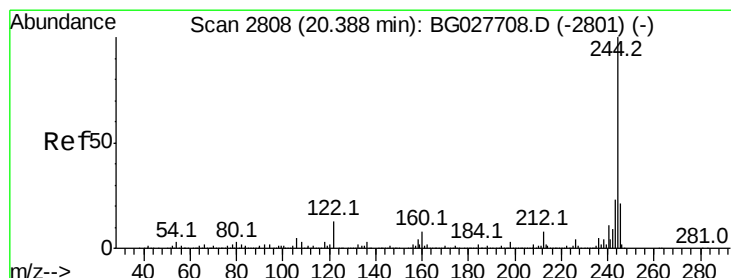
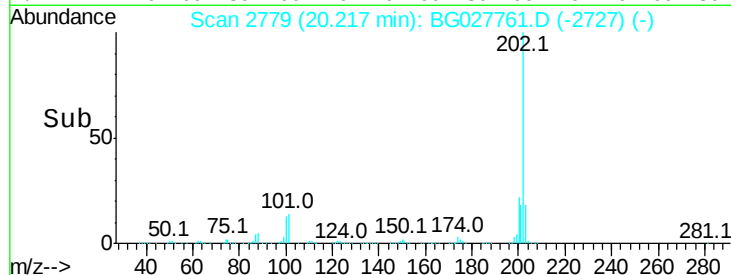
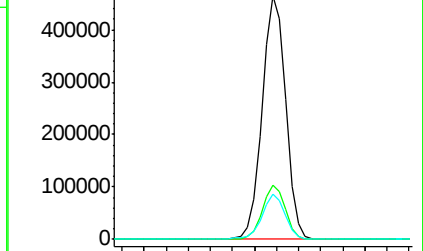
203 18.3 15.8 23.8



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: 87.51 ng

RT: 20.40 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

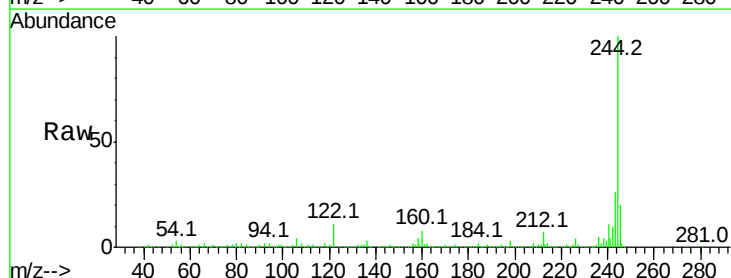
Tgt Ion:244 Resp: 1033583

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

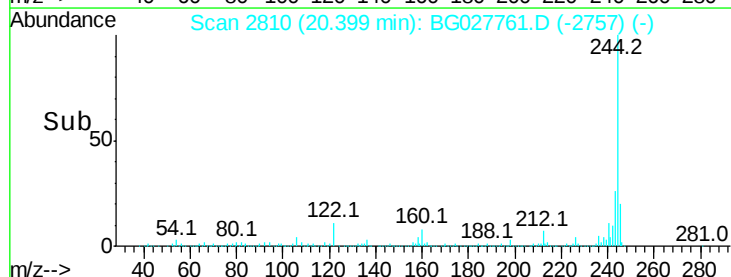
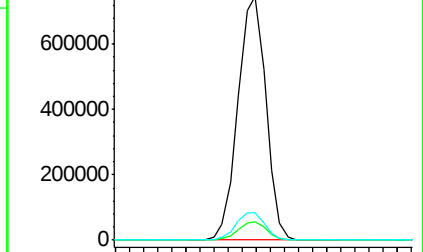
122 11.0 8.6 12.8

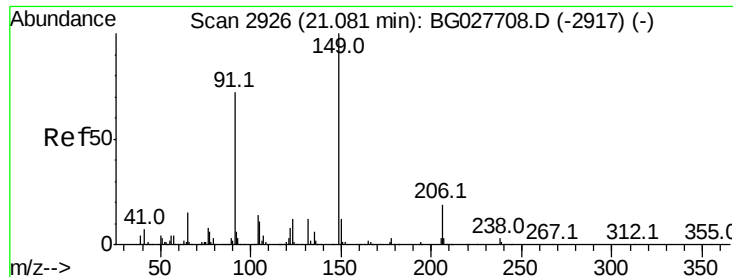


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

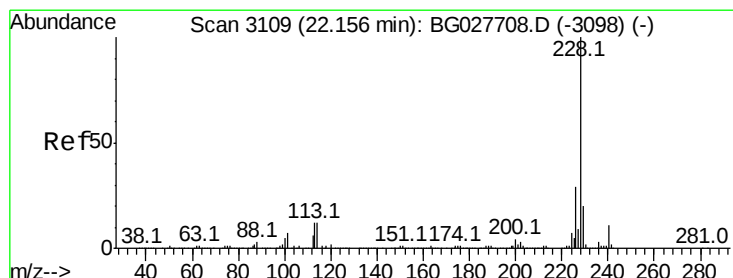
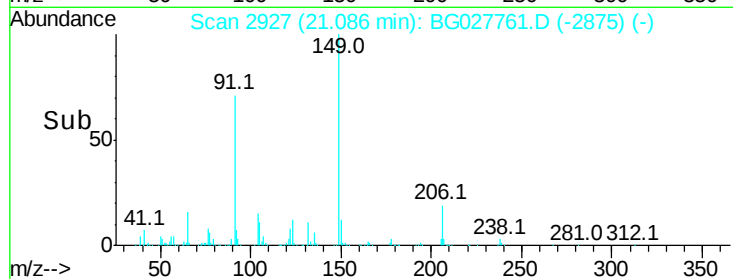
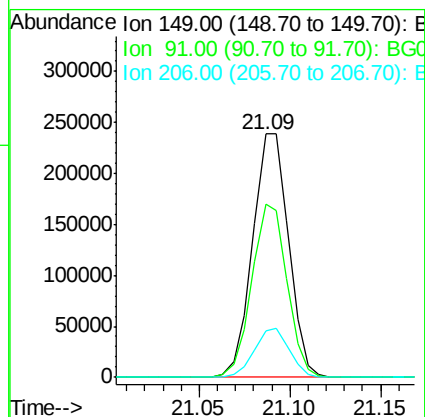
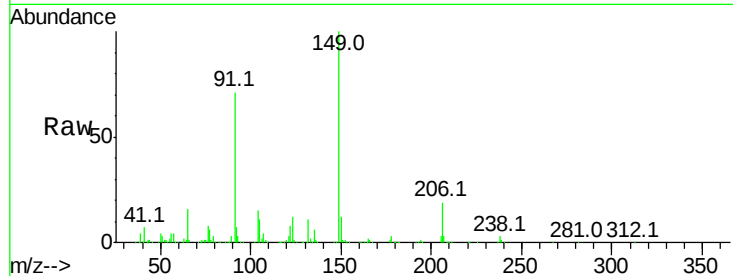




#79  
Butylbenzylphthalate  
Concen: 42.03 ng  
RT: 21.09 min Scan# 2927  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

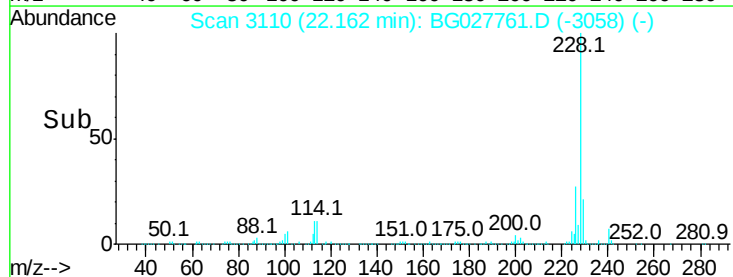
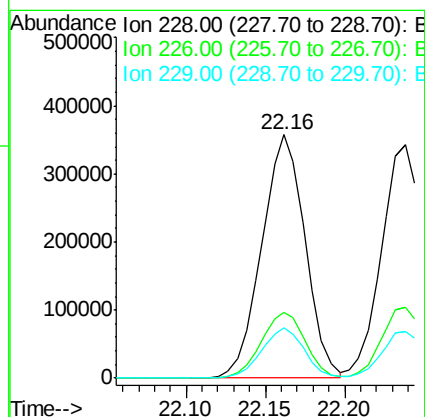
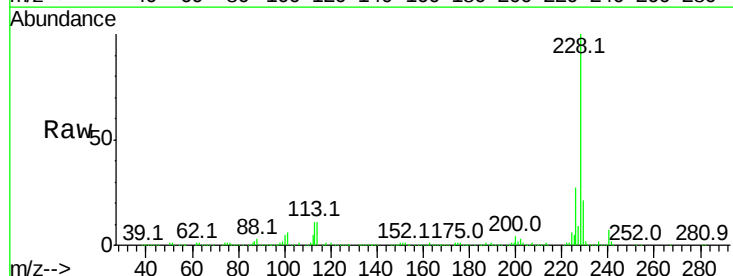
Instrument :  
BNA\_G  
ClientSampleId :  
PB100317BS

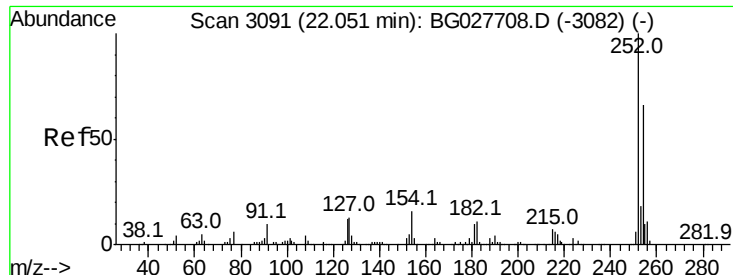
Tot Ion:149 Resp: 328934  
Ion Ratio Lower Upper  
149 100  
91 71.2 63.5 95.3  
206 19.0 21.0 31.6#



#80  
Benzo(a)anthracene  
Concen: 40.49 ng  
RT: 22.16 min Scan# 3110  
Delta R.T. 0.01 min  
Lab File: BG027761.D  
Acq: 30 Jun 2017 19:48

Tgt Ion:228 Resp: 677827  
Ion Ratio Lower Upper  
228 100  
226 27.2 24.9 37.3  
229 20.6 18.2 27.2

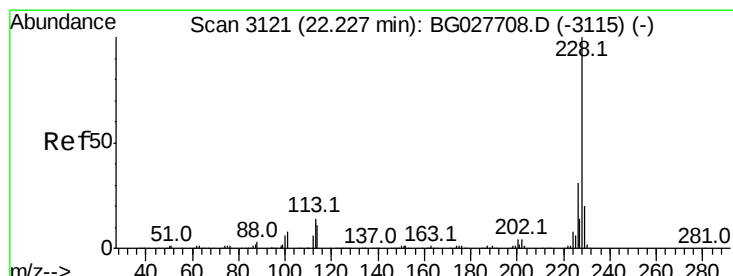
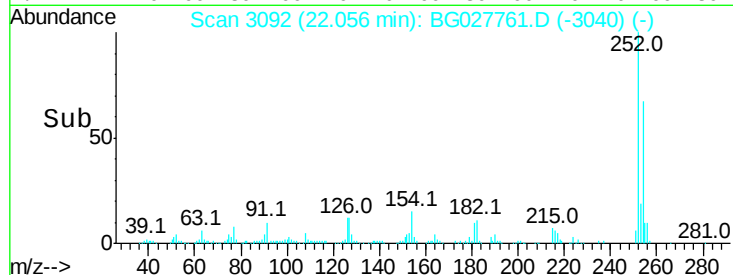
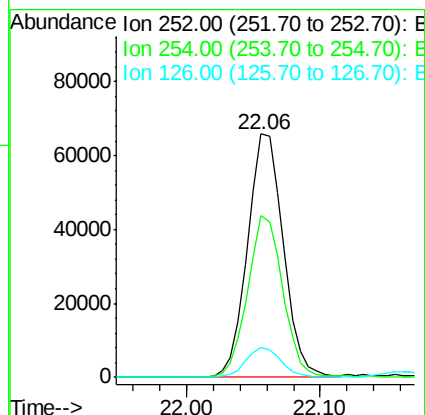
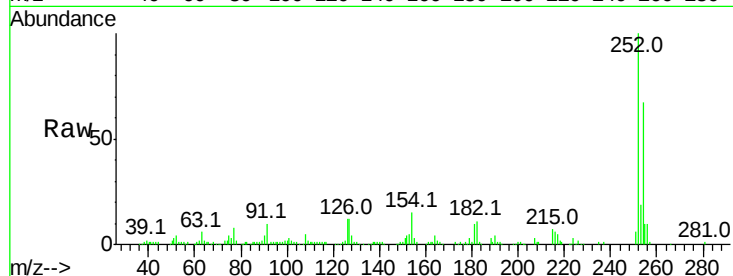




#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.09 ng  
 RT: 22.06 min Scan# 3092  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

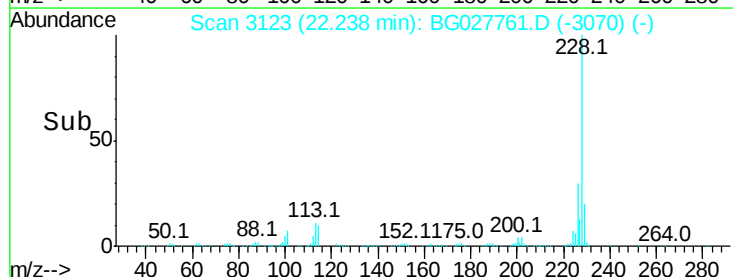
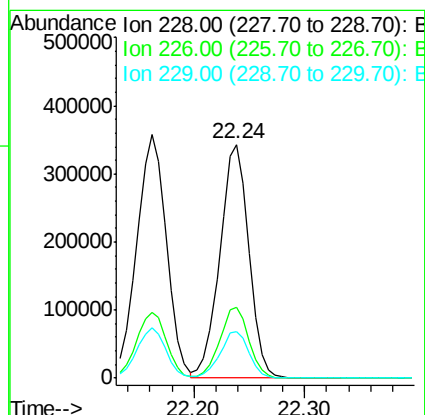
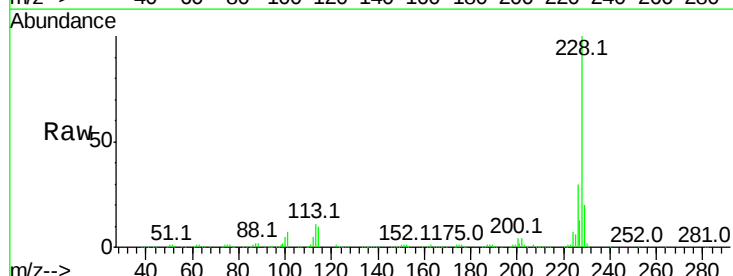
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

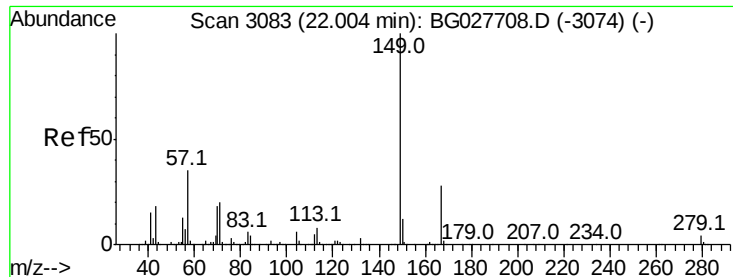
Tot Ion:252 Resp: 122058  
 Ion Ratio Lower Upper  
 252 100  
 254 66.6 53.1 79.7  
 126 12.2 7.0 10.4#



#82  
 Chrysene  
 Concen: 39.85 ng  
 RT: 22.24 min Scan# 3123  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:228 Resp: 625248  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 27.0 40.4  
 229 20.0 17.8 26.6

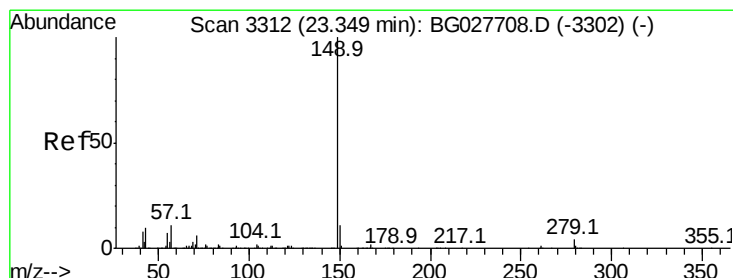
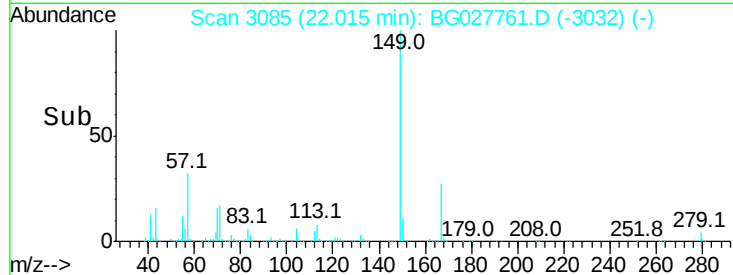
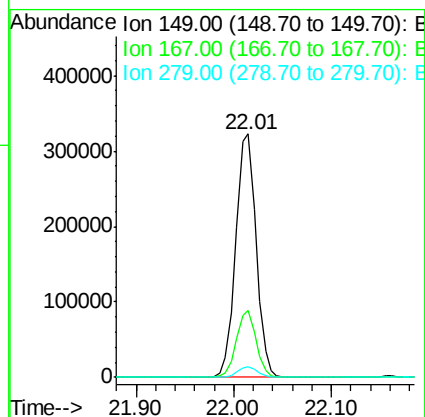
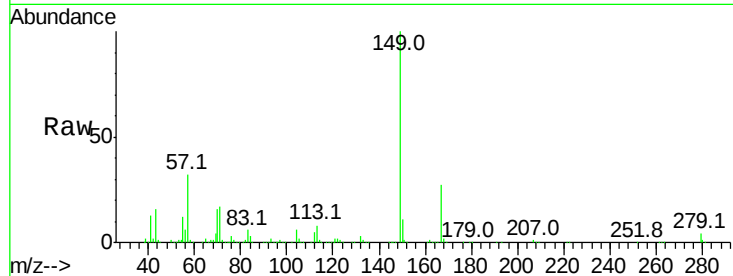




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.96 ng  
 RT: 22.01 min Scan# 3085  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

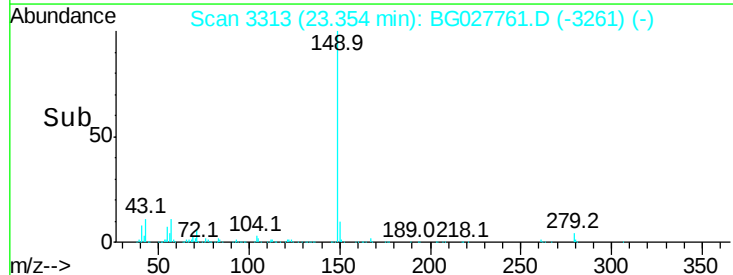
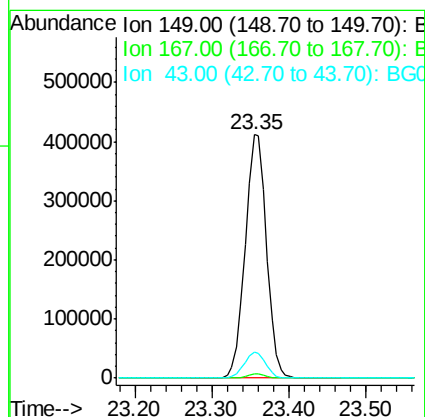
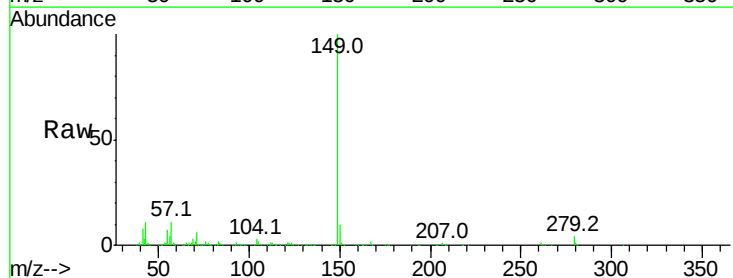
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

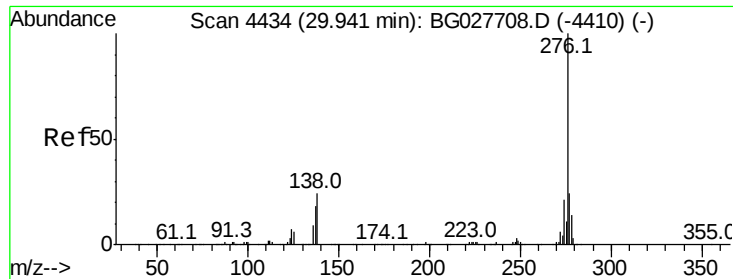
Tot Ion:149 Resp: 468496  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 23.7 35.5  
 279 4.3 4.6 6.8#



#84  
 Di-n-octyl phthalate  
 Concen: 42.21 ng  
 RT: 23.35 min Scan# 3313  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:149 Resp: 797475  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.4 2.2  
 43 10.7 11.8 17.6#

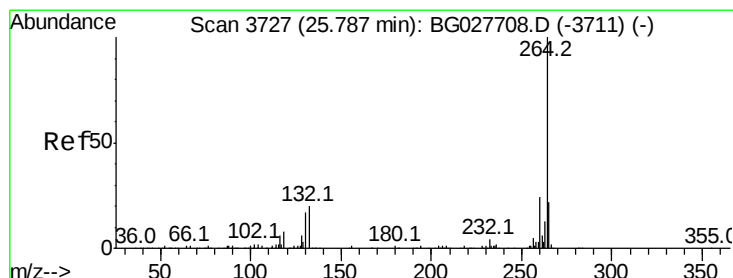
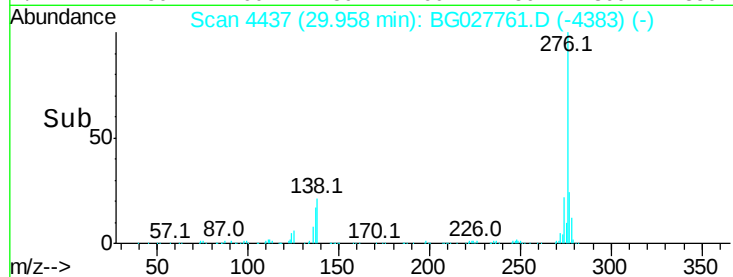
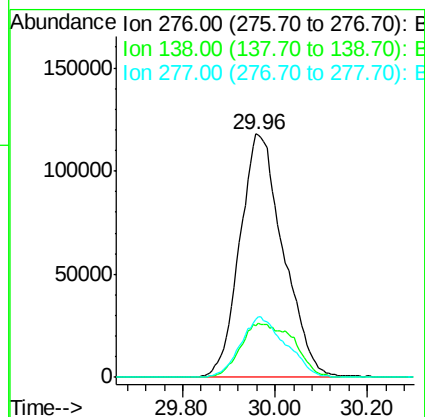
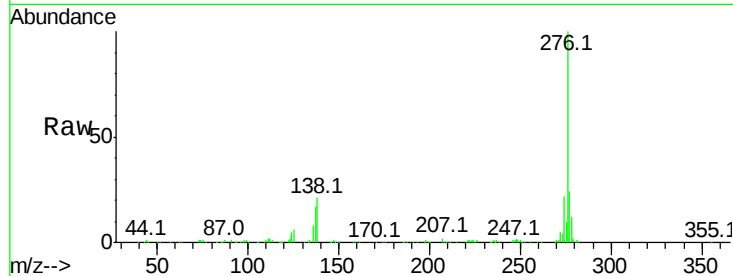




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.96 ng  
 RT: 29.96 min Scan# 4437  
 Delta R.T. 0.02 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

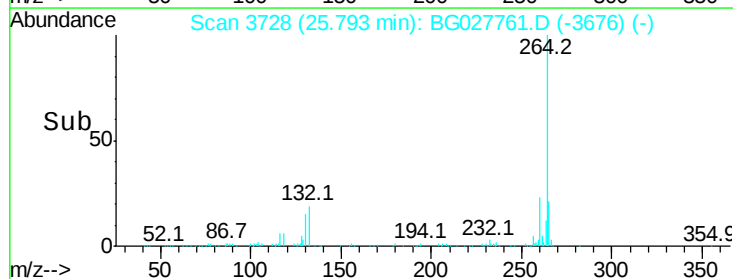
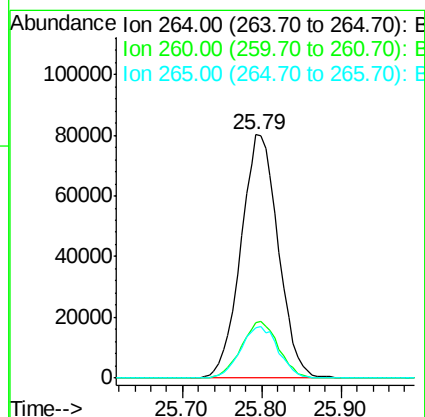
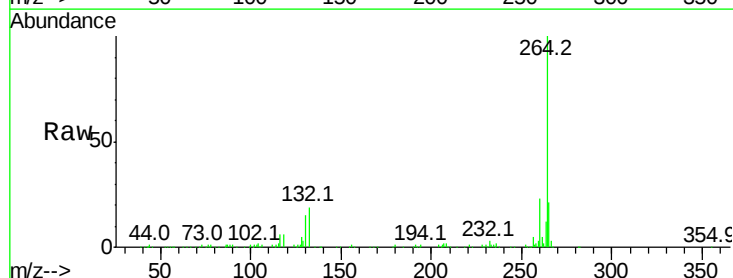
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100317BS

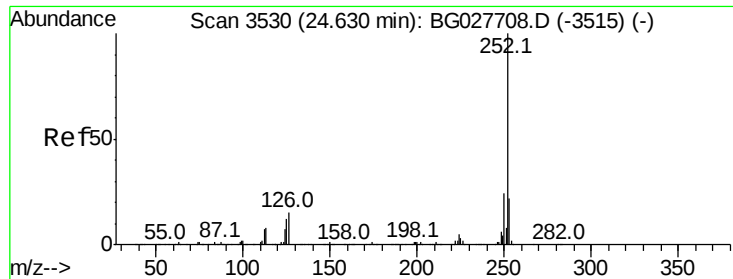
Tot Ion:276 Resp: 770361  
 Ion Ratio Lower Upper  
 276 100  
 138 27.3 4.7 7.1#  
 277 25.8 20.6 31.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.79 min Scan# 3728  
 Delta R.T. 0.01 min  
 Lab File: BG027761.D  
 Acq: 30 Jun 2017 19:48

Tgt Ion:264 Resp: 262180  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 21.8 32.8  
 265 20.8 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 39.56 ng

RT: 24.64 min Scan# 3532

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

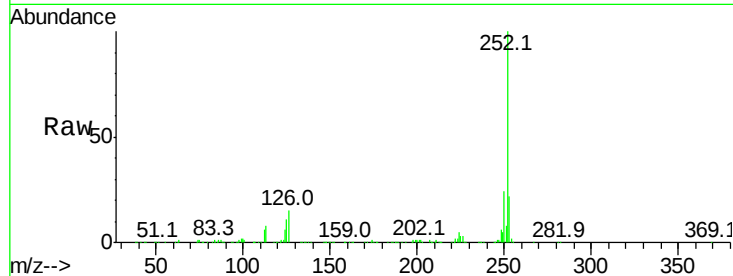
Tot Ion:252 Resp: 668254

Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

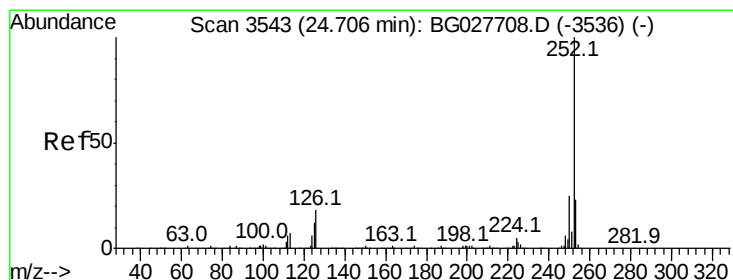
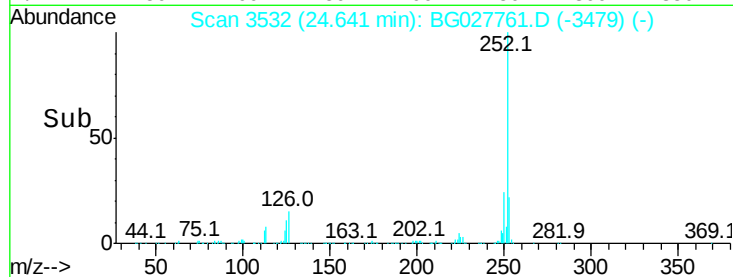
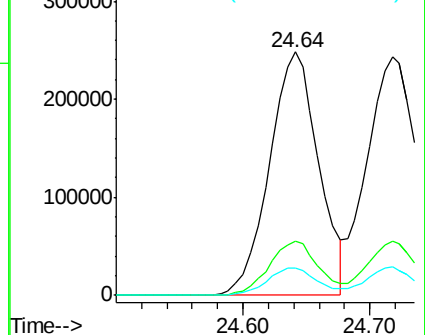
125 11.2 5.3 7.9#



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: 39.90 ng

RT: 24.72 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

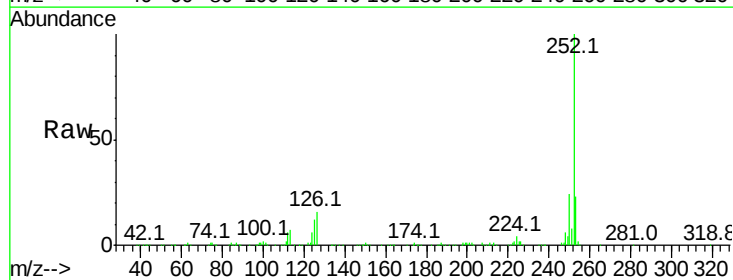
Tgt Ion:252 Resp: 666172

Ion Ratio Lower Upper

252 100

253 22.7 20.2 30.2

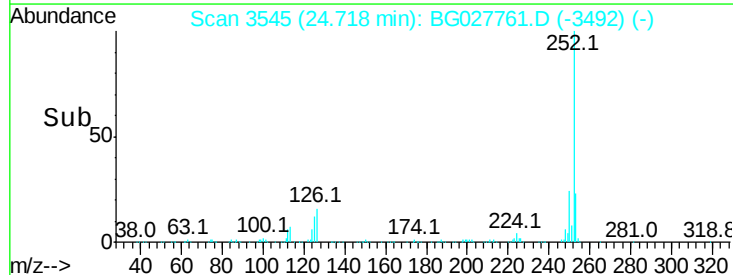
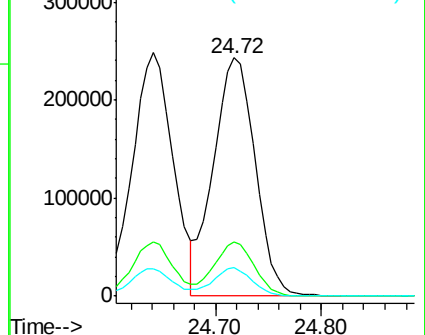
125 12.2 5.1 7.7#

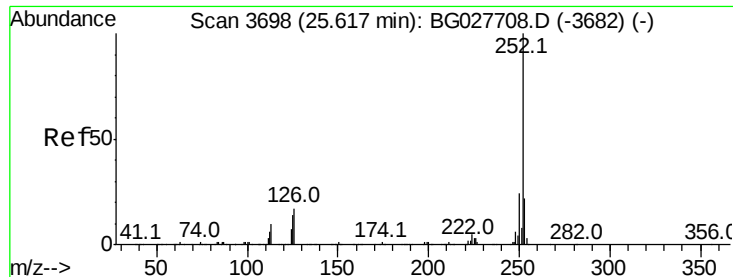


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.38 ng

RT: 25.63 min Scan# 3700

Delta R.T. 0.01 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

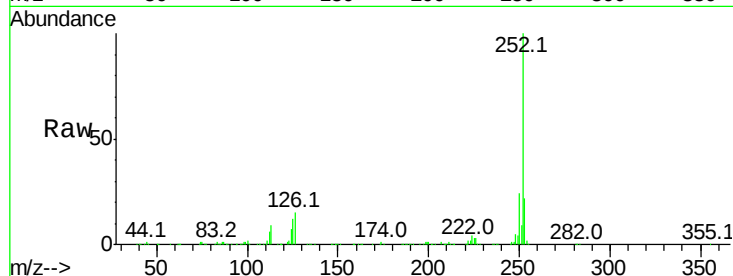
Tot Ion:252 Resp: 640067

Ion Ratio Lower Upper

252 100

253 22.2 19.2 28.8

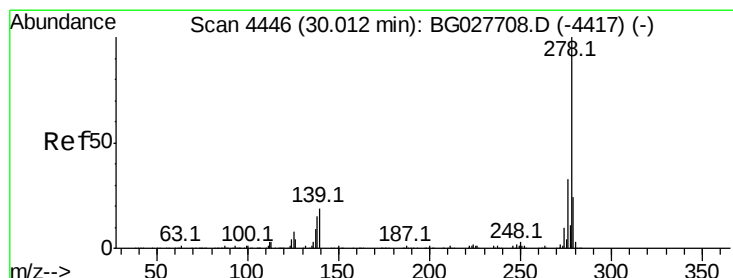
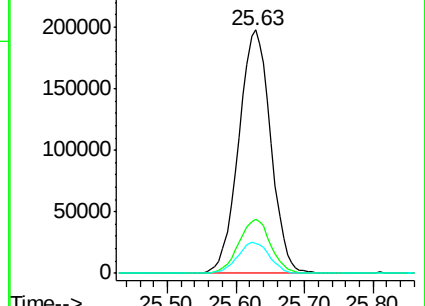
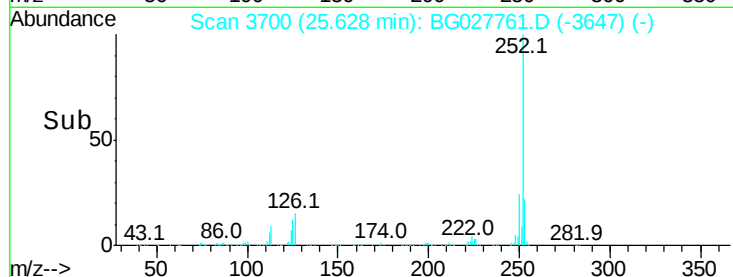
125 12.1 5.4 8.0#



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: 40.93 ng

RT: 30.03 min Scan# 4450

Delta R.T. 0.02 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

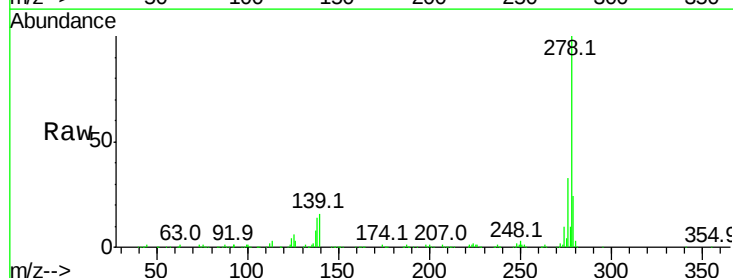
Tgt Ion:278 Resp: 657168

Ion Ratio Lower Upper

278 100

139 16.4 7.7 11.5#

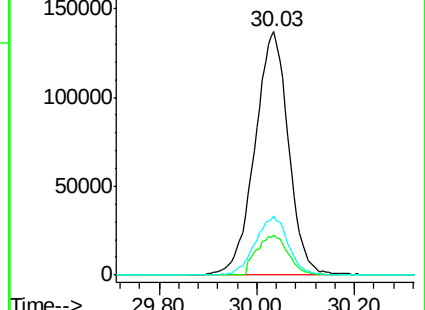
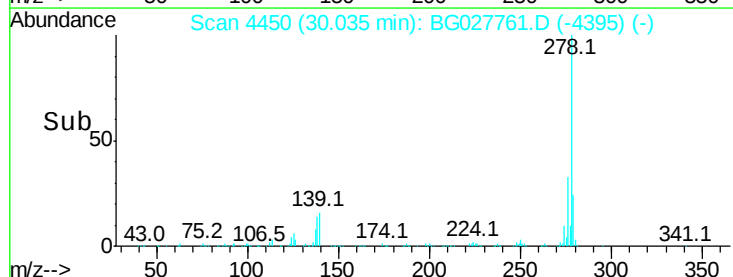
279 24.1 19.1 28.7

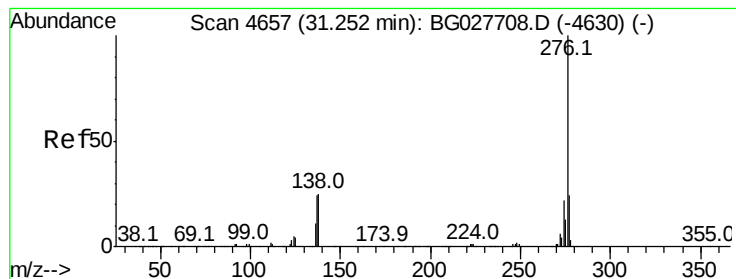


Abundance Ion 278.00 (277.70 to 278.70): E

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: 40.40 ng

RT: 31.28 min Scan# 4662

Delta R.T. 0.03 min

Lab File: BG027761.D

Acq: 30 Jun 2017 19:48

Instrument :

BNA\_G

ClientSampleId :

PB100317BS

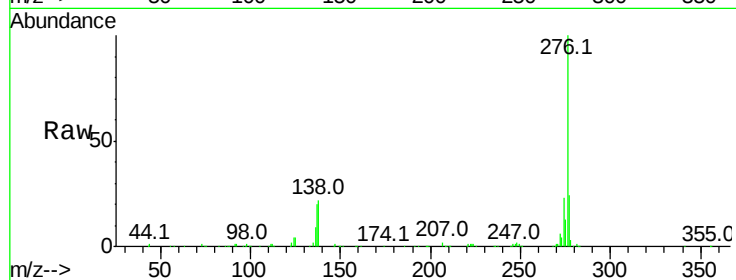
Tot Ion:276 Resp: 623364

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 21.8 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

