

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG062317\  
 Data File : BG027640.D  
 Acq On : 23 Jun 2017 21:11  
 Operator : SJ/JU  
 Sample : I3868-03MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 24 01:26:13 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.51  | 152  | 18819    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.32 | 136  | 87404    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.09 | 164  | 58418    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.84 | 188  | 160359   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.21 | 240  | 187619   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.84 | 264  | 174288   | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |      |
|-----------------------------|-------|-----|--------|--------|----|------|
| System Monitoring Compounds |       |     |        |        |    |      |
| 5) 2-Fluorophenol           | 6.09  | 112 | 170344 | 128.83 | ng | 0.00 |
| 7) Phenol-d6                | 7.65  | 99  | 218699 | 111.72 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.67  | 82  | 164083 | 88.83  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.58 | 330 | 152303 | 174.88 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.71 | 172 | 379046 | 88.63  | ng | 0.00 |
| 78) Terphenyl-d14           | 20.41 | 244 | 789603 | 99.16  | ng | 0.00 |

|                                |       |     |        |        |    |        |
|--------------------------------|-------|-----|--------|--------|----|--------|
| Target Compounds               |       |     |        |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 4.10  | 88  | 16727  | 32.58  | ng | # 89   |
| 3) Pyridine                    | 4.48  | 79  | 45091  | 27.13  | ng | 83     |
| 4) n-Nitrosodimethylamine      | 4.38  | 42  | 31790  | 41.91  | ng | 83     |
| 6) Aniline                     | 7.83  | 93  | 48188  | 20.17  | ng | 96     |
| 8) 2-Chlorophenol              | 8.07  | 128 | 64624  | 46.19  | ng | 90     |
| 9) Benzaldehyde                | 7.65  | 77  | 31108  | 23.39  | ng | 96     |
| 10) Phenol                     | 7.67  | 94  | 76466  | 38.35  | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.91  | 93  | 59178  | 37.92  | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 8.40  | 146 | 57313  | 38.81  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.54  | 146 | 60185  | 40.36  | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.86  | 146 | 57883  | 39.50  | ng | 94     |
| 15) Benzyl Alcohol             | 8.73  | 79  | 72087  | 46.12  | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.01  | 45  | 82096  | 31.70  | ng | 87     |
| 17) 2-Methylphenol             | 8.93  | 107 | 58691  | 41.83  | ng | 93     |
| 18) Hexachloroethane           | 9.60  | 117 | 23008  | 39.35  | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 9.30  | 70  | 56579  | 36.39  | ng | # 86   |
| 20) 3+4-Methylphenols          | 9.25  | 107 | 78442  | 40.83  | ng | 95     |
| 22) Acetophenone               | 9.33  | 105 | 106022 | 44.23  | ng | # 87   |
| 24) Nitrobenzene               | 9.71  | 77  | 86007  | 42.48  | ng | # 91   |
| 25) Isophorone                 | 10.22 | 82  | 160031 | 42.17  | ng | 97     |
| 26) 2-Nitrophenol              | 10.42 | 139 | 34669  | 46.29  | ng | 99     |
| 27) 2,4-Dimethylphenol         | 10.46 | 122 | 69161  | 48.90  | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.70 | 93  | 87577  | 40.94  | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.96 | 162 | 64744  | 53.00  | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 11.18 | 180 | 62481  | 44.74  | ng | 95     |
| 31) Naphthalene                | 11.38 | 128 | 201101 | 42.57  | ng | 99     |
| 32) Benzoic acid               | 10.58 | 122 | 41949  | 42.68  | ng | 97     |
| 34) Hexachlorobutadiene        | 11.65 | 225 | 39353  | 46.63  | ng | 96     |
| 35) Caprolactam                | 12.25 | 113 | 12688  | 22.29  | ng | # 74   |
| 36) 4-Chloro-3-methylphenol    | 12.56 | 107 | 96443  | 51.48  | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.94 | 142 | 155014 | 45.15  | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.30 | 216 | 83030  | 45.32  | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 13.27 | 237 | 107452 | 109.43 | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 13.53 | 196 | 62010  | 52.38  | ng | 99     |

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 Sample : I3868-03MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

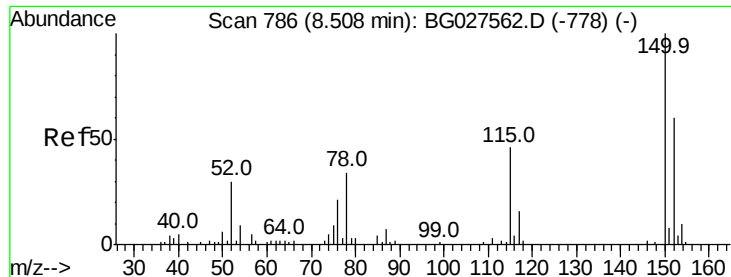
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 24 01:26:13 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.60 | 196  | 70557    | 50.72  | nq    | 99       |
| 45) 1,1'-Biphenyl              | 13.93 | 154  | 213703   | 43.87  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.97 | 162  | 161861   | 44.68  | nq    | 93       |
| 47) 2-Nitroaniline             | 14.17 | 65   | 74299    | 45.68  | nq    | 96       |
| 48) Acenaphthylene             | 14.81 | 152  | 268916   | 42.36  | nq    | 98       |
| 49) Dimethylphthalate          | 14.53 | 163  | 248801   | 48.64  | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.65 | 165  | 55519    | 50.02  | nq    | 97       |
| 51) Acenaphthene               | 15.15 | 154  | 181805   | 41.10  | nq    | 98       |
| 52) 3-Nitroaniline             | 14.99 | 138  | 14619    | 12.48  | nq    | # 98     |
| 53) 2,4-Dinitrophenol          | 15.19 | 184  | 72468    | 115.52 | nq    | # 81     |
| 54) Dibenzofuran               | 15.48 | 168  | 278511   | 48.34  | nq    | 97       |
| 55) 4-Nitrophenol              | 15.28 | 139  | 87601    | 89.31  | nq    | # 82     |
| 56) 2,4-Dinitrotoluene         | 15.44 | 165  | 82878    | 52.66  | nq    | # 96     |
| 57) Fluorene                   | 16.14 | 166  | 246202   | 45.12  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.71 | 232  | 71715    | 58.55  | nq    | 92       |
| 59) Diethylphthalate           | 15.88 | 149  | 273688   | 49.04  | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.11 | 204  | 126924   | 47.27  | nq    | 97       |
| 61) 4-Nitroaniline             | 16.15 | 138  | 55757    | 43.38  | nq    | 87       |
| 62) Azobenzene                 | 16.41 | 77   | 269069   | 47.02  | nq    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 16.20 | 198  | 50202    | 49.30  | nq    | 80       |
| 65) n-Nitrosodiphenylamine     | 16.33 | 169  | 223491   | 45.46  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.01 | 248  | 85873    | 48.69  | nq    | # 89     |
| 67) Hexachlorobenzene          | 17.14 | 284  | 92753    | 49.21  | nq    | 92       |
| 68) Atrazine                   | 17.26 | 200  | 76123    | 42.27  | nq    | 99       |
| 69) Pentachlorophenol          | 17.48 | 266  | 119955   | 102.46 | nq    | 96       |
| 70) Phenanthrene               | 17.88 | 178  | 417789   | 45.80  | nq    | 95       |
| 71) Anthracene                 | 17.97 | 178  | 428215   | 46.62  | nq    | 96       |
| 72) Carbazole                  | 18.24 | 167  | 377899   | 42.23  | nq    | 95       |
| 73) Di-n-butylphthalate        | 18.76 | 149  | 478894   | 47.77  | nq    | # 95     |
| 74) Fluoranthene               | 19.87 | 202  | 505962   | 47.61  | nq    | 95       |
| 77) Pyrene                     | 20.24 | 202  | 521976   | 45.77  | nq    | 95       |
| 79) Butylbenzylphthalate       | 21.11 | 149  | 221931   | 46.62  | nq    | 96       |
| 80) Benzo(a)anthracene         | 22.19 | 228  | 516094   | 45.85  | nq    | 94       |
| 81) 3,3'-Dichlorobenzidine     | 22.08 | 252  | 69047    | 16.96  | nq    | # 96     |
| 82) Chrysene                   | 22.26 | 228  | 483872   | 45.36  | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 22.03 | 149  | 314292   | 45.04  | nq    | 97       |
| 84) Di-n-octyl phthalate       | 23.39 | 149  | 538211   | 46.37  | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.04 | 276  | 588176   | 48.39  | nq    | # 92     |
| 87) Benzo(b)fluoranthene       | 24.76 | 252  | 499412   | 44.82  | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 24.76 | 252  | 499412   | 45.81  | nq    | 95       |
| 89) Benzo(a)pyrene             | 25.68 | 252  | 492806   | 46.86  | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 30.11 | 278  | 500381   | 46.71  | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 31.35 | 276  | 475525   | 45.70  | nq    | # 93     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.51 min Scan# 786

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

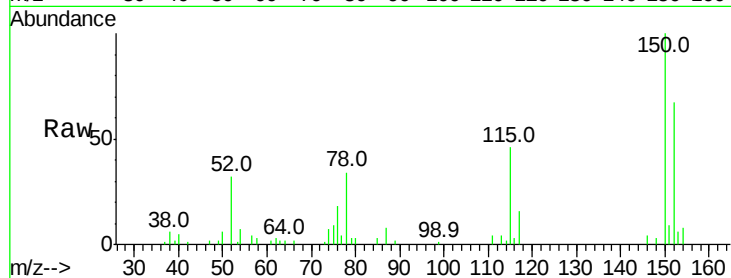
Tot Ion:152 Resp: 18819

Ion Ratio Lower Upper

152 100

150 149.9 114.0 171.0

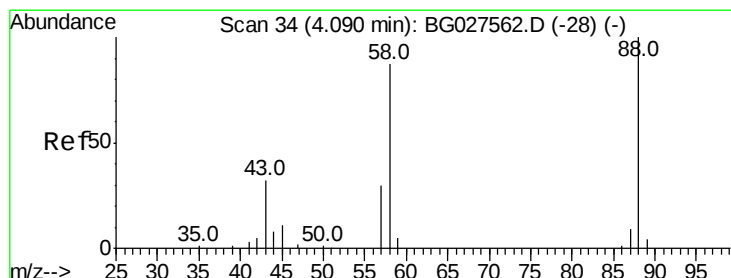
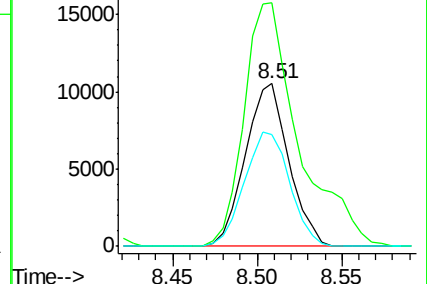
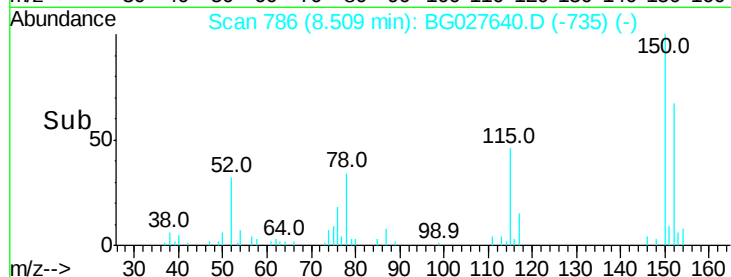
115 69.0 48.1 72.1



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: 32.58 ng

RT: 4.10 min Scan# 36

Delta R.T. 0.01 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

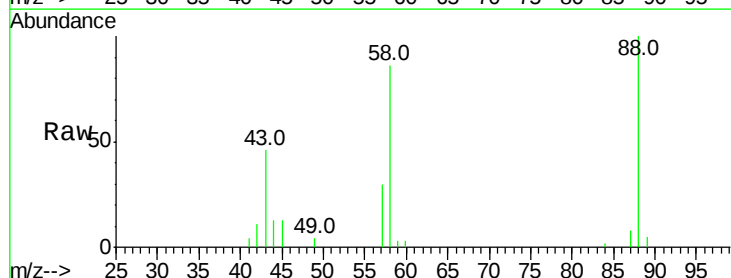
Tgt Ion: 88 Resp: 16727

Ion Ratio Lower Upper

88 100

58 91.2 79.4 119.2

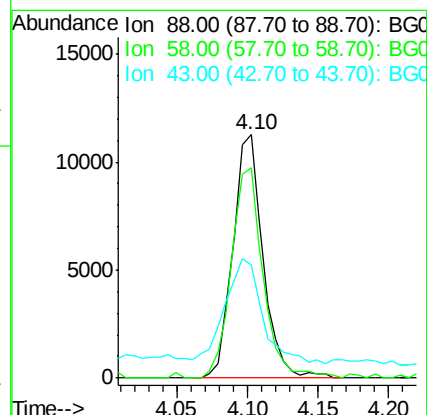
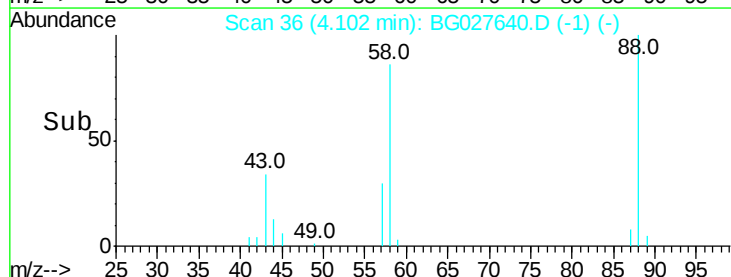
43 54.0 33.8 50.6#

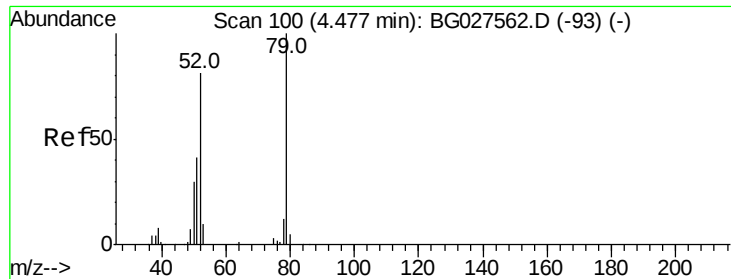


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

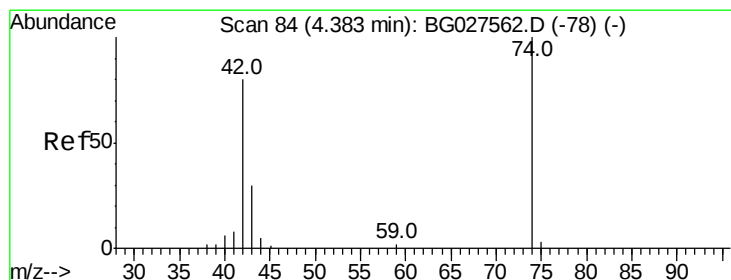
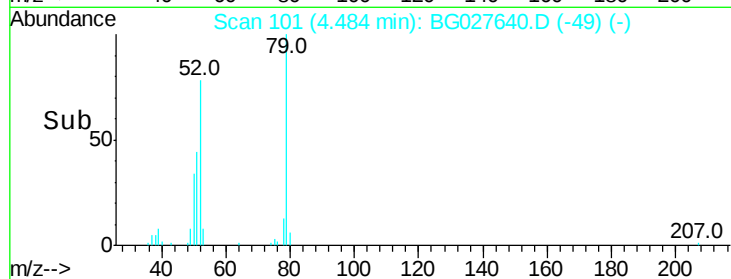
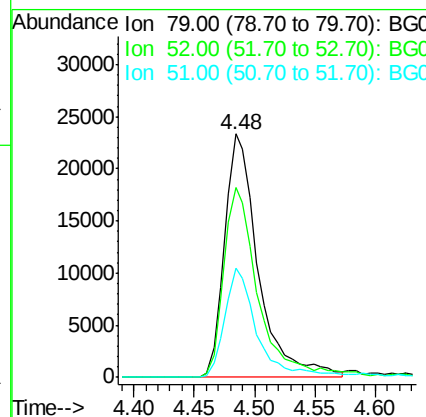
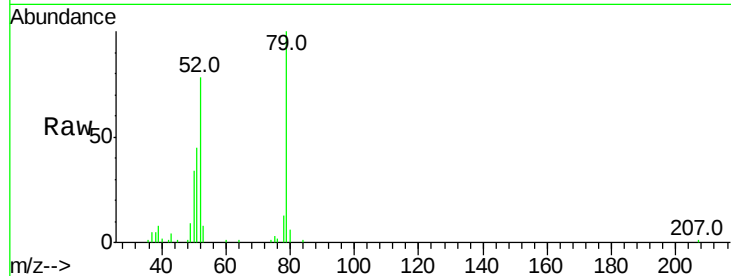




#3  
 Pvridine  
 Concen: 27.13 ng  
 RT: 4.48 min Scan# 101  
 Delta R.T. 0.01 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

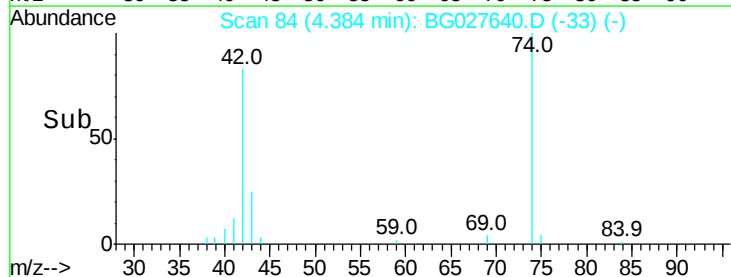
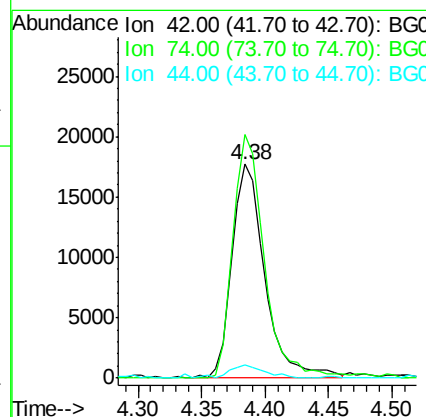
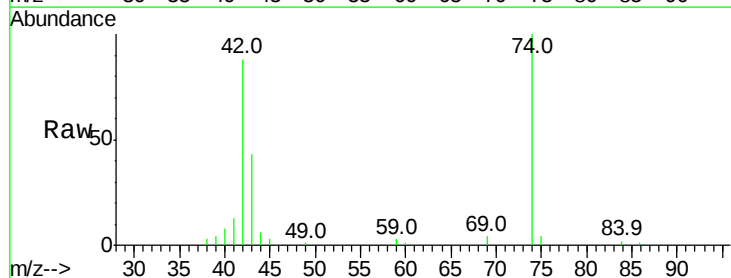
Instrument :  
 BNA\_G  
 ClientSampleId :

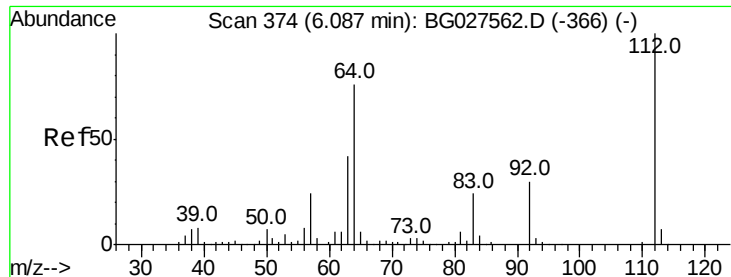
Tot Ion: 79 Resp: 45091  
 Ion Ratio Lower Upper  
 79 100  
 52 77.9 77.8 116.6  
 51 44.8 43.2 64.8



#4  
 n-Nitrosodimethylamine  
 Concen: 41.91 ng  
 RT: 4.38 min Scan# 84  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion: 42 Resp: 31790  
 Ion Ratio Lower Upper  
 42 100  
 74 113.9 76.7 115.1  
 44 6.4 6.1 9.1





#5

2-Fluorophenol

Concen: 128.83 ng

RT: 6.09 min Scan# 374

Delta R.T. 0.00 min

Lab File: BG027640.D

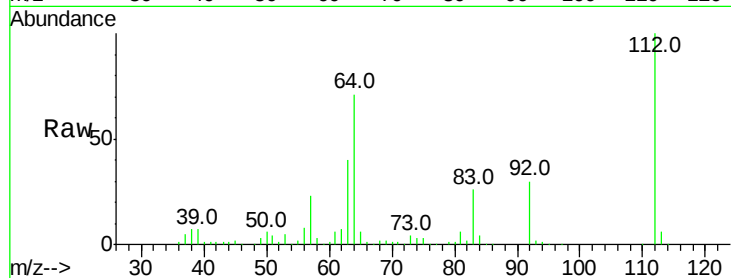
Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

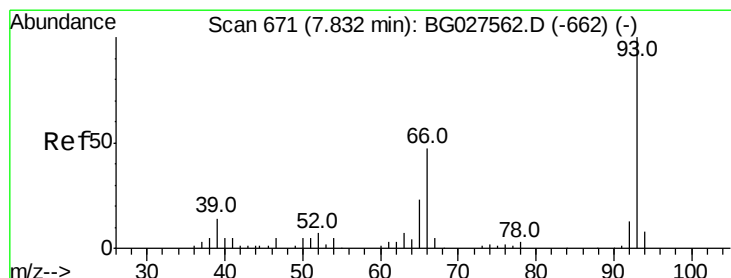
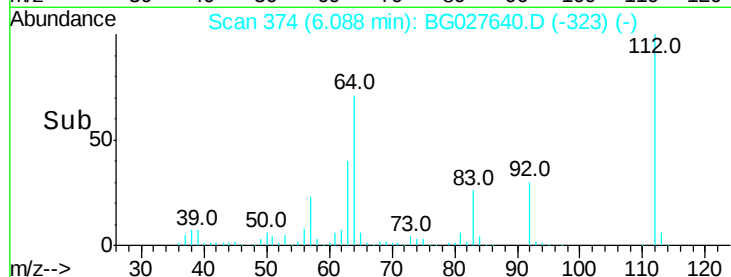
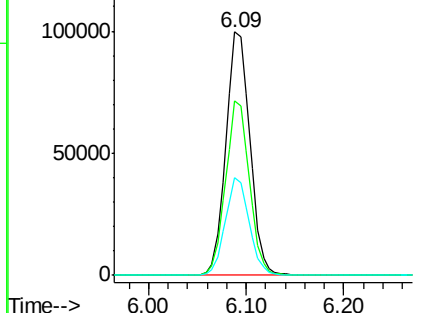
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 170344 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 71.5  | 61.8  | 92.6   |
| 63       | 40.1  | 37.2  | 55.8   |



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 20.17 ng

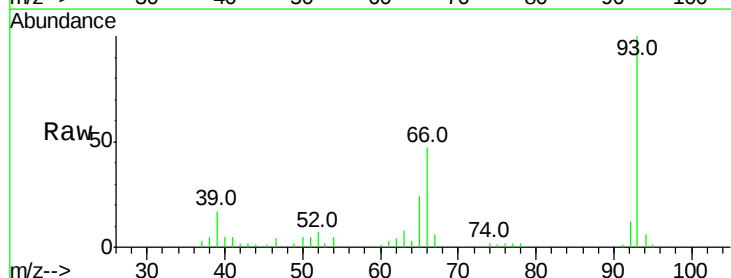
RT: 7.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

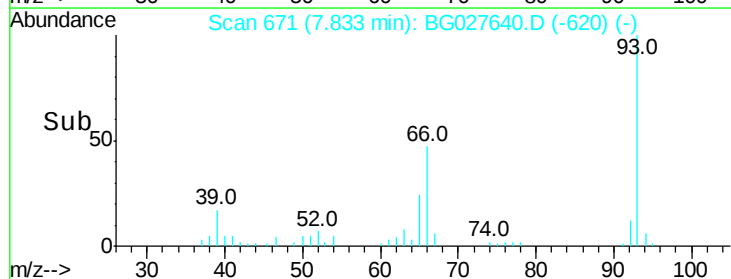
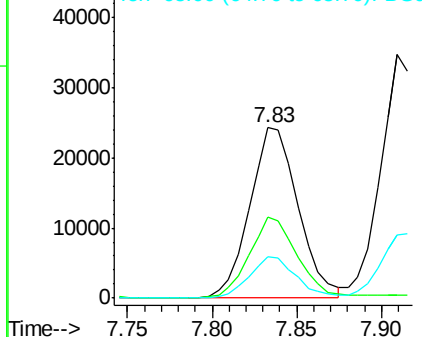
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 48188 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 47.3  | 35.4  | 53.2  |
| 65       | 24.5  | 21.2  | 31.8  |

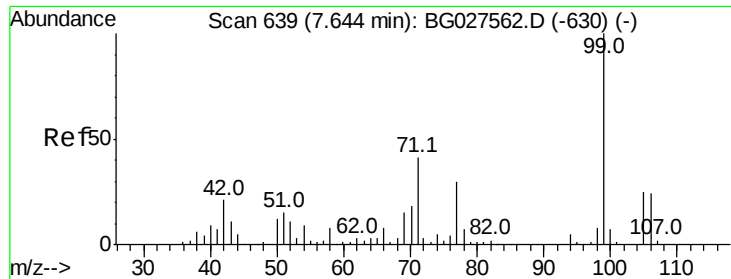


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 111.72 ng

RT: 7.65 min Scan# 639

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

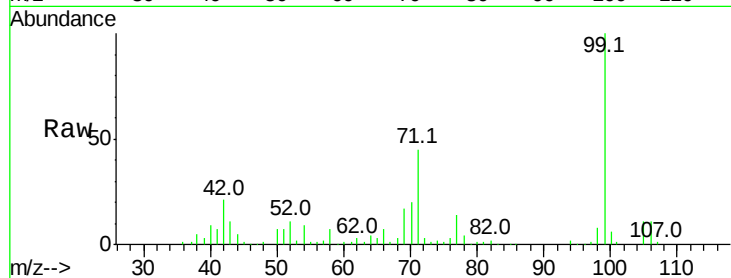
Tot Ion: 99 Resp: 218699

Ion Ratio Lower Upper

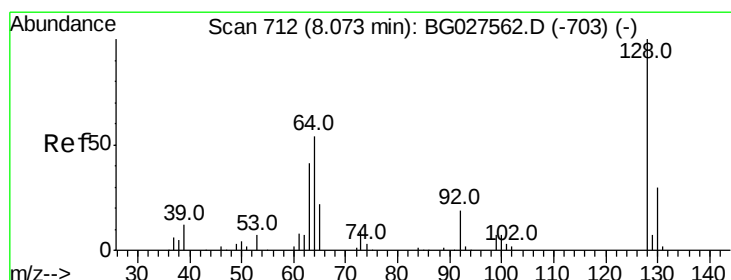
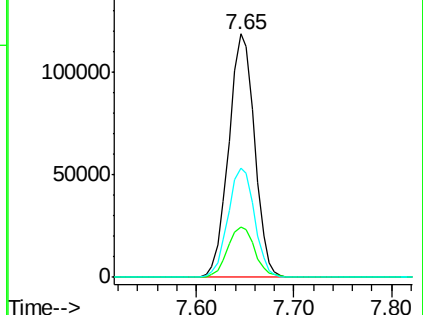
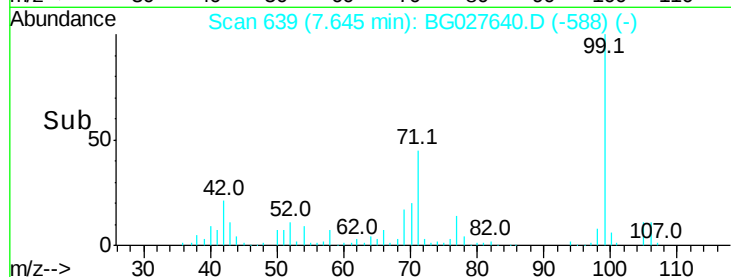
99 100

42 20.8 20.5 30.7

71 45.1 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: 46.19 ng

RT: 8.07 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

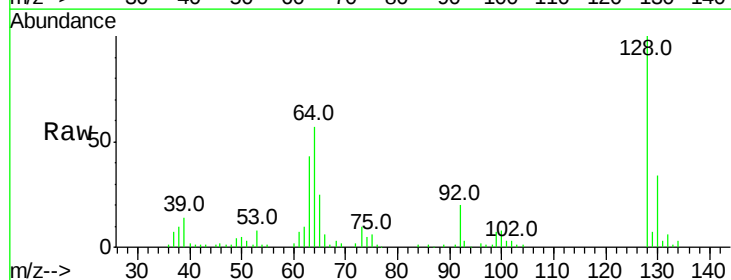
Tgt Ion:128 Resp: 64624

Ion Ratio Lower Upper

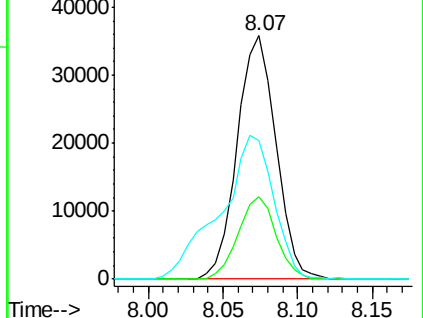
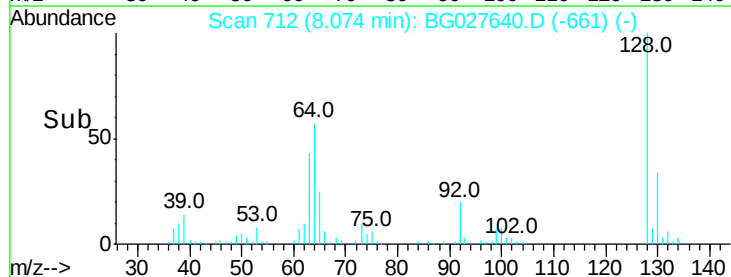
128 100

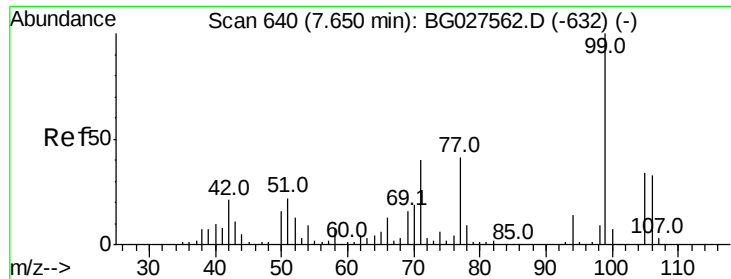
130 33.7 11.4 51.4

64 57.0 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: 23.39 ng

RT: 7.65 min Scan# 640

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

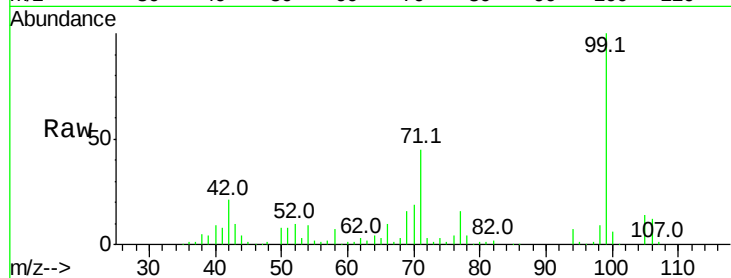
Tot Ion: 77 Resp: 31108

Ion Ratio Lower Upper

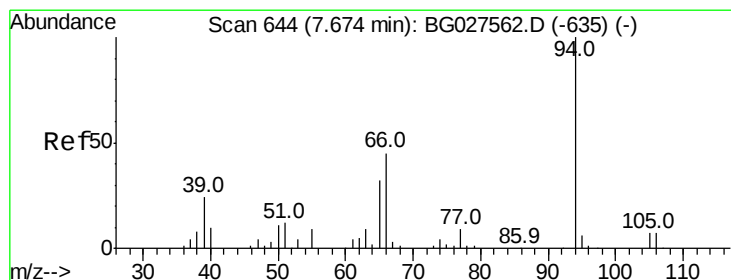
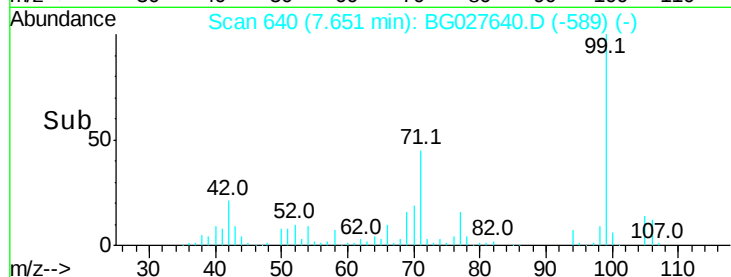
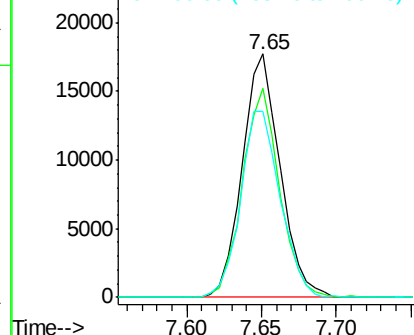
77 100

105 86.0 60.9 100.9

106 76.5 55.1 95.1



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



#10

Phenol

Concen: 38.35 ng

RT: 7.67 min Scan# 644

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

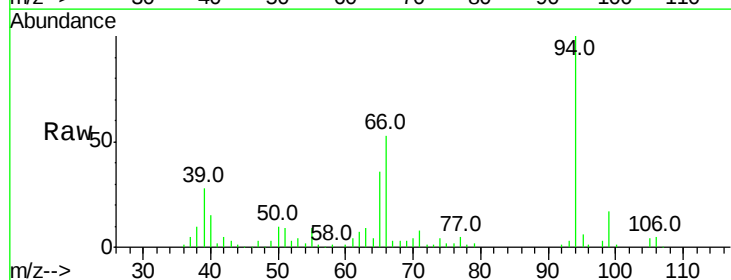
Tgt Ion: 94 Resp: 76466

Ion Ratio Lower Upper

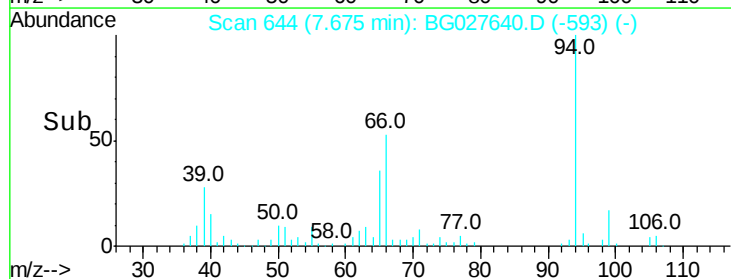
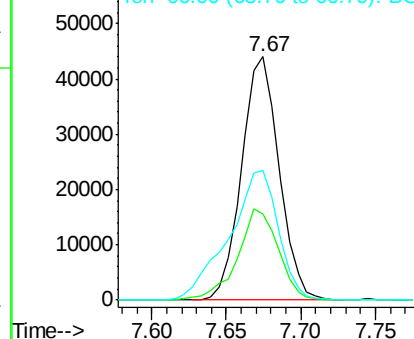
94 100

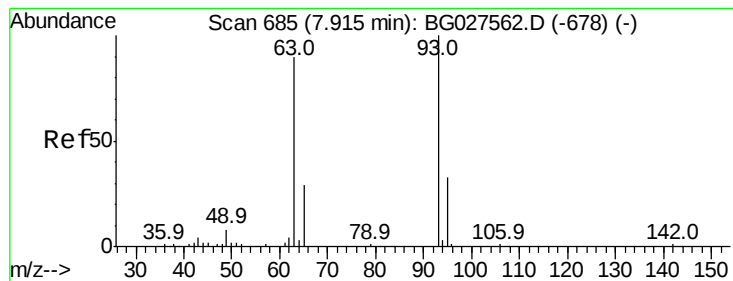
65 35.6 20.6 60.6

66 53.4 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

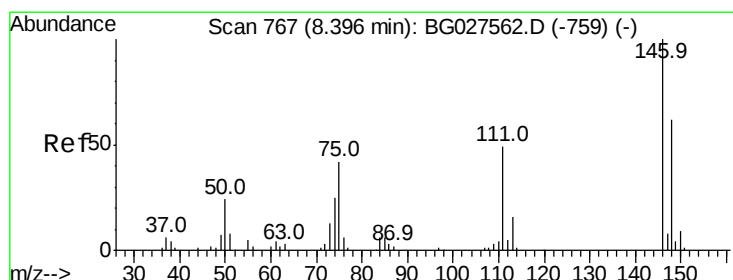
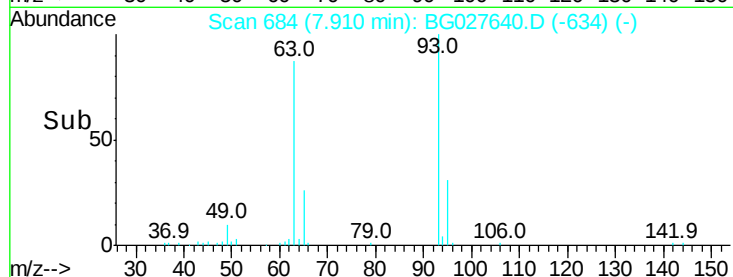
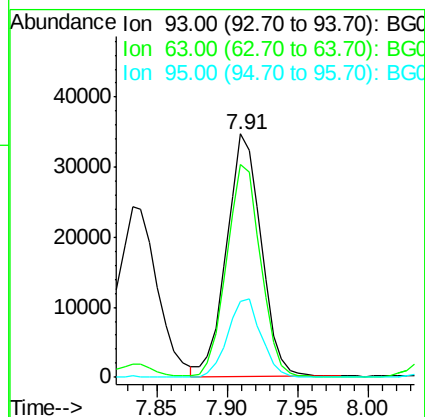
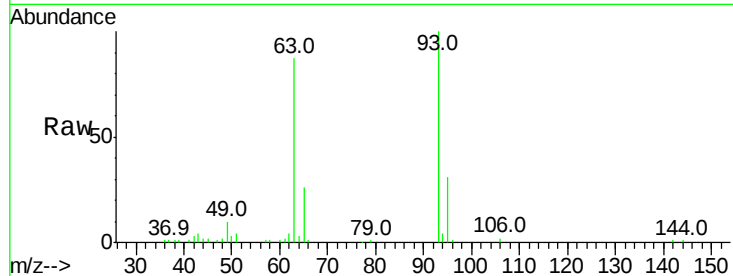




#11  
 bis(2-Chloroethyl)ether  
 Concen: 37.92 ng  
 RT: 7.91 min Scan# 684  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

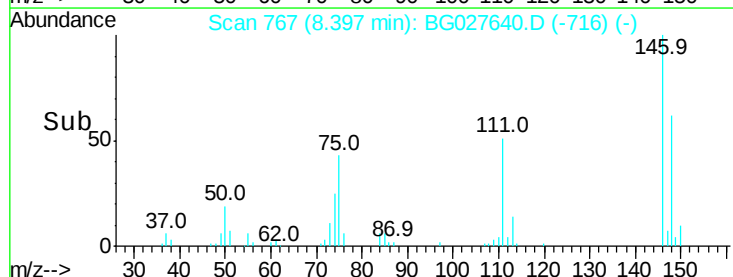
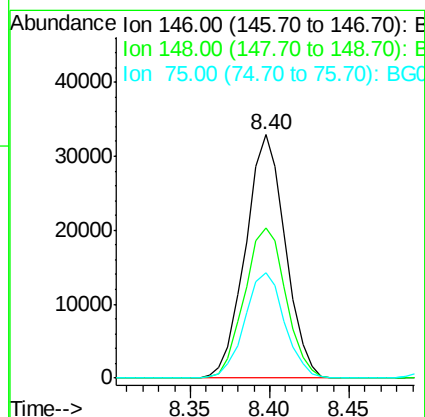
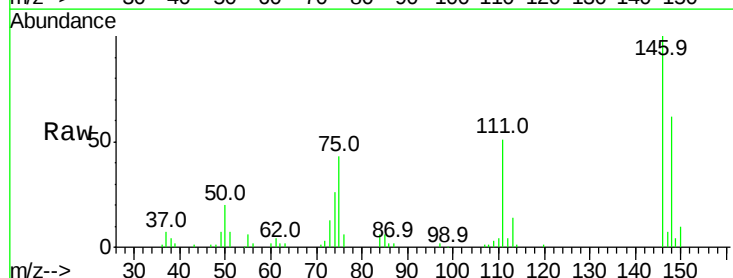
Instrument :  
 BNA\_G  
 ClientSampleId :

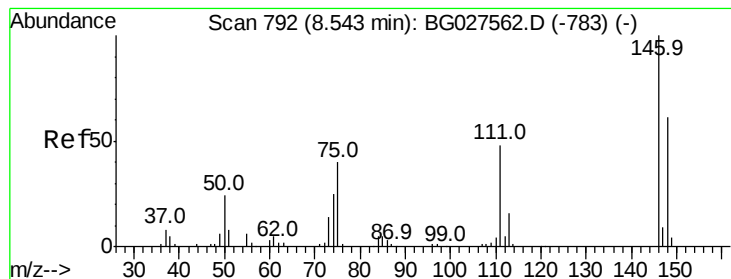
Tot Ion: 93 Resp: 59178  
 Ion Ratio Lower Upper  
 93 100  
 63 87.4 78.5 118.5  
 95 31.4 9.8 49.8



#12  
 1,3-Dichlorobenzene  
 Concen: 38.81 ng  
 RT: 8.40 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion: 146 Resp: 57313  
 Ion Ratio Lower Upper  
 146 100  
 148 61.8 49.2 73.8  
 75 43.2 33.4 50.2





#13

1,4-Dichlorobenzene

Concen: 40.36 ng

RT: 8.54 min Scan# 791

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

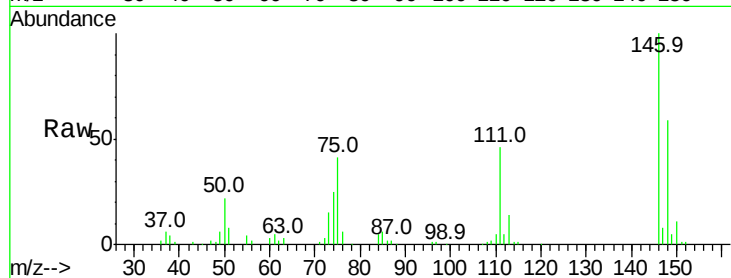
Tot Ion:146 Resp: 60185

Ion Ratio Lower Upper

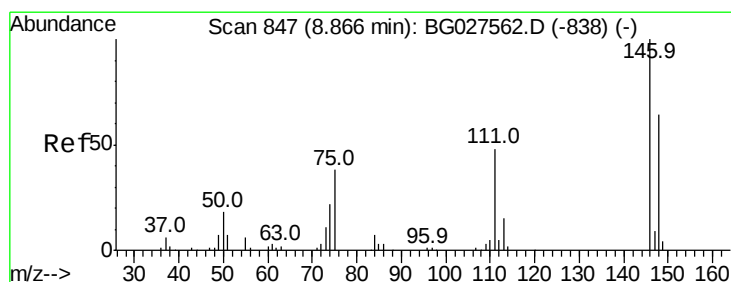
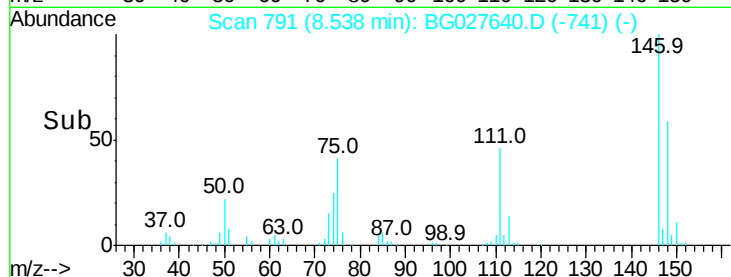
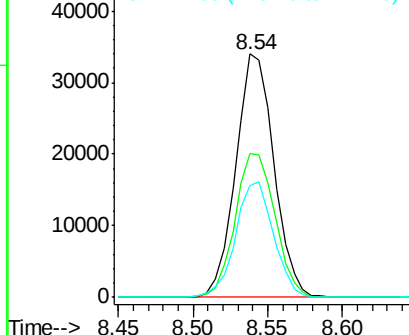
146 100

148 59.2 52.2 78.2

111 46.1 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: 39.50 ng

RT: 8.86 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

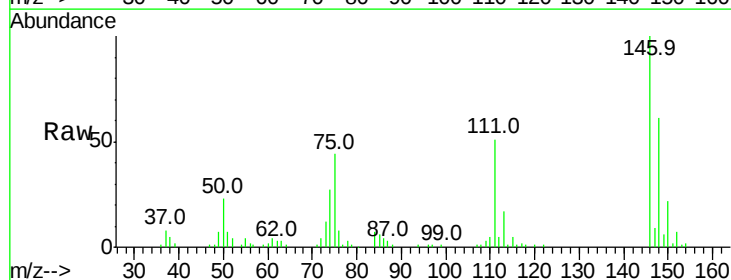
Tgt Ion:146 Resp: 57883

Ion Ratio Lower Upper

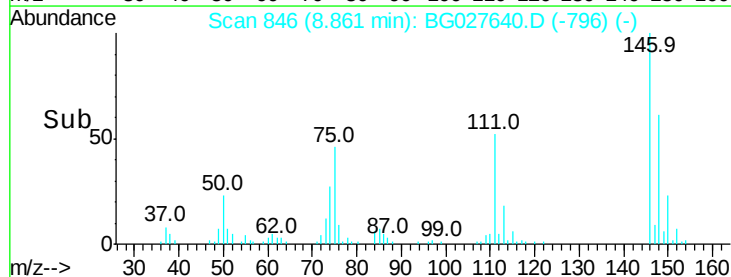
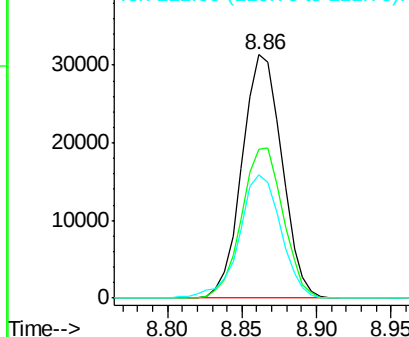
146 100

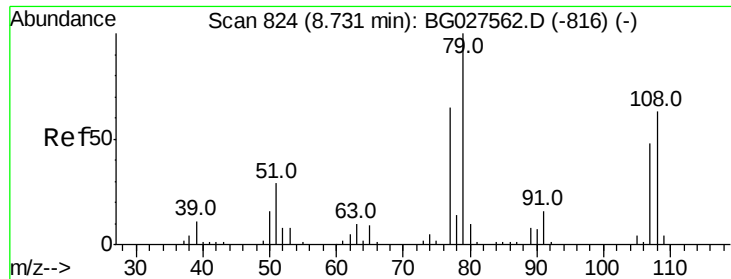
148 61.0 54.6 81.8

111 50.7 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: 46.12 ng

RT: 8.73 min Scan# 824

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

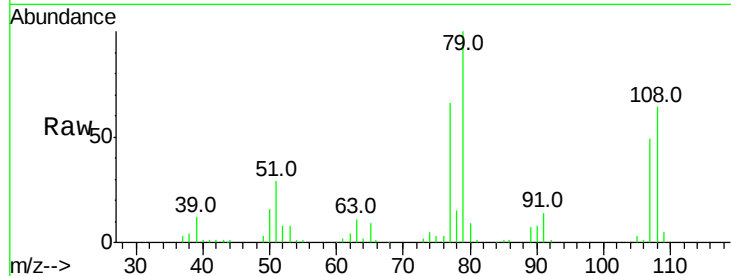
Tot Ion: 79 Resp: 72087

Ion Ratio Lower Upper

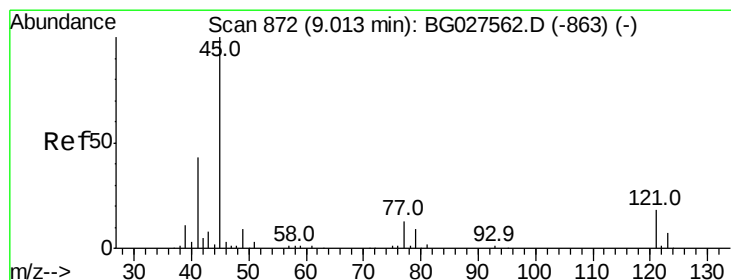
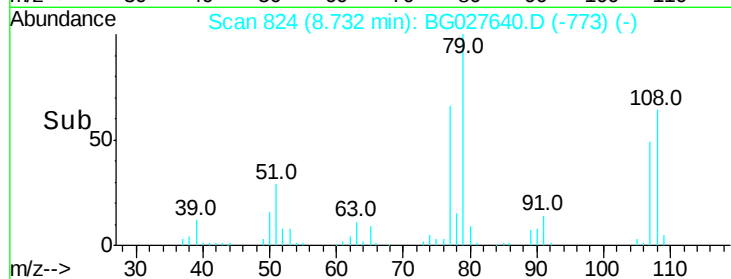
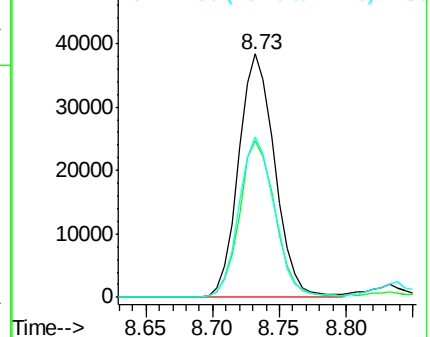
79 100

108 64.1 45.5 68.3

77 65.8 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: 31.70 ng

RT: 9.01 min Scan# 872

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

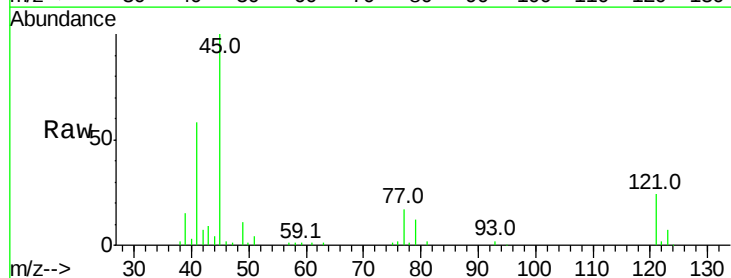
Tgt Ion: 45 Resp: 82096

Ion Ratio Lower Upper

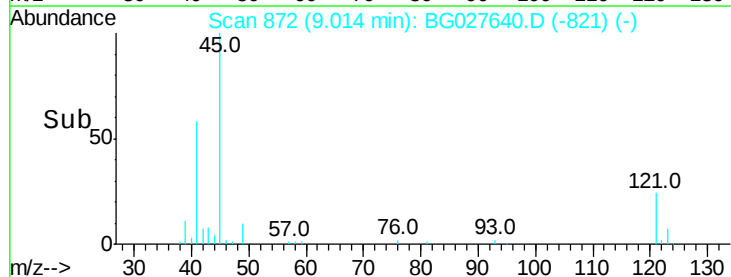
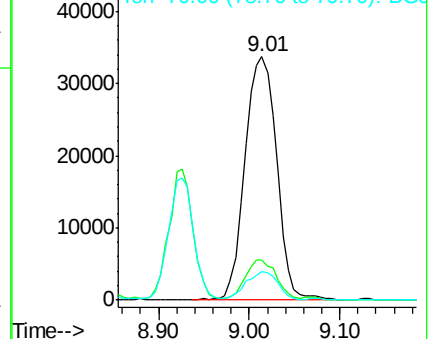
45 100

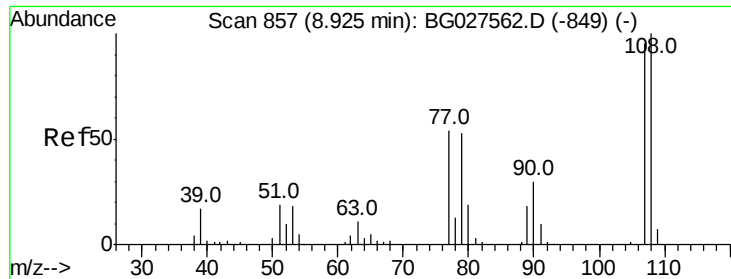
77 16.7 0.0 30.6

79 11.9 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

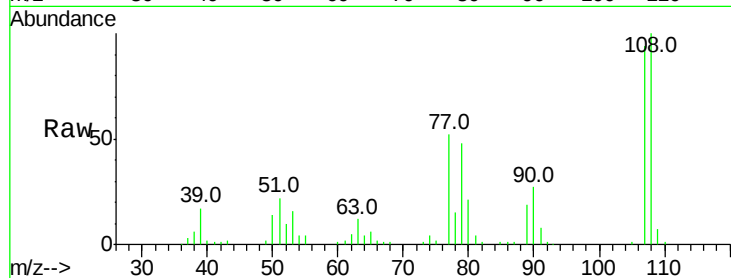




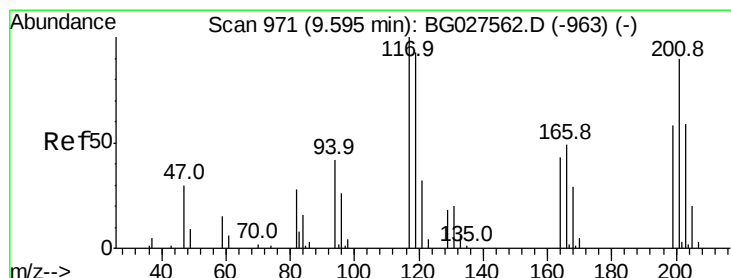
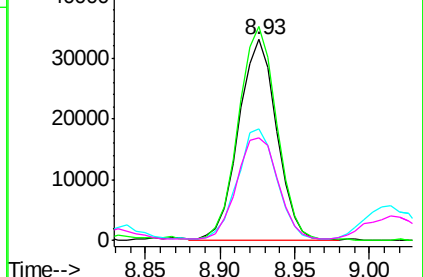
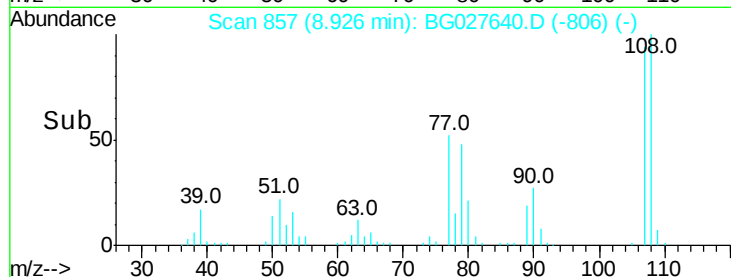
#17  
2-Methylphenol  
Concen: 41.83 ng  
RT: 8.93 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:107 Resp: 58691  
Ion Ratio Lower Upper  
107 100  
108 106.3 85.6 128.4  
77 55.1 51.4 77.2  
79 51.3 49.2 73.8

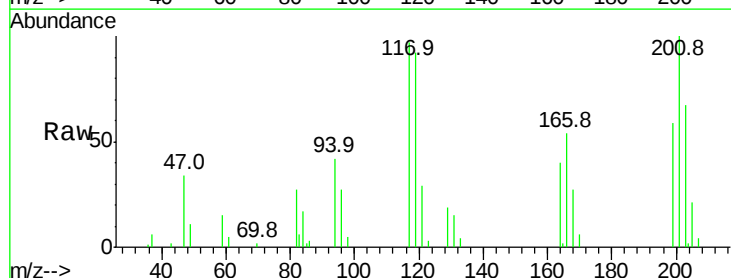


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

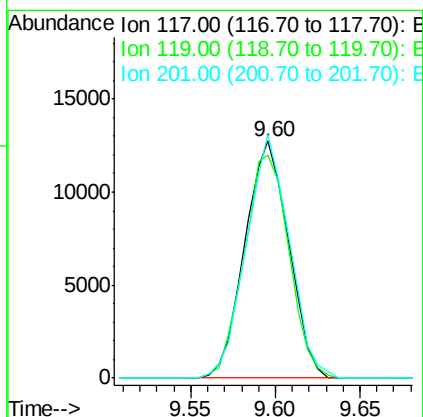
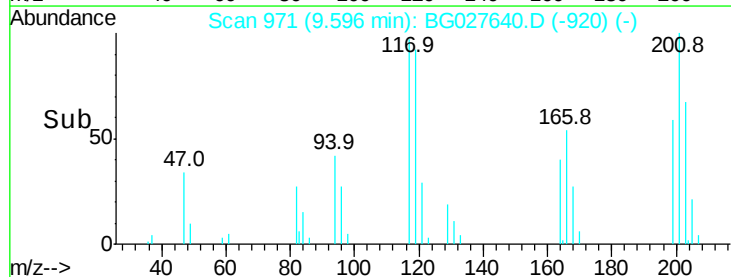


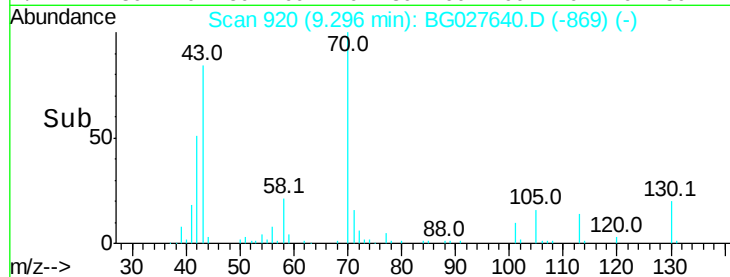
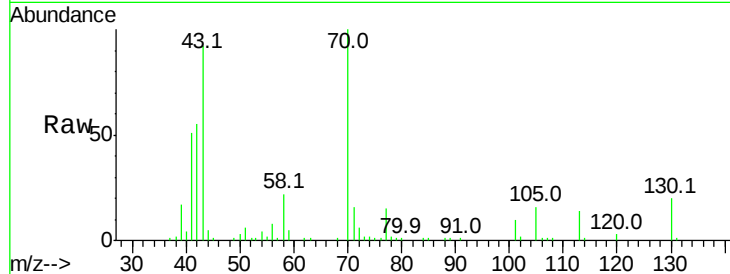
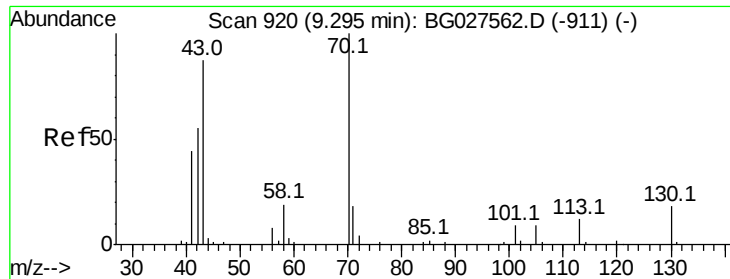
#18  
Hexachloroethane  
Concen: 39.35 ng  
RT: 9.60 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:117 Resp: 23008  
Ion Ratio Lower Upper  
117 100  
119 94.3 69.8 104.6  
201 102.7 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

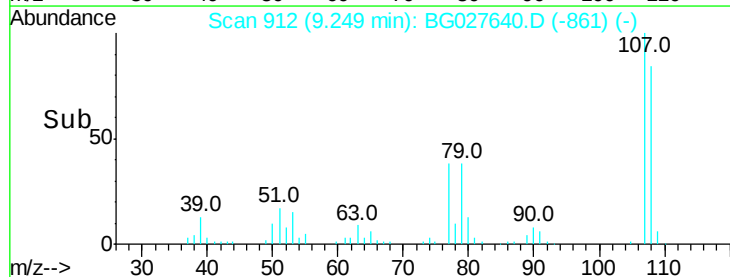
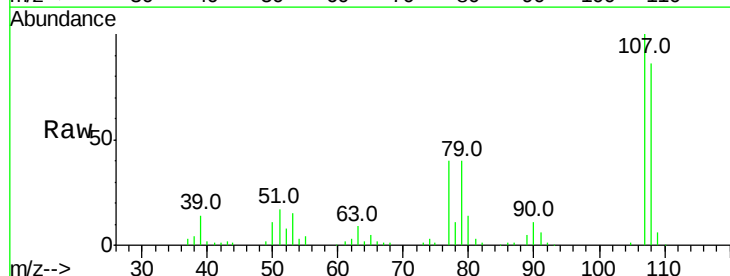
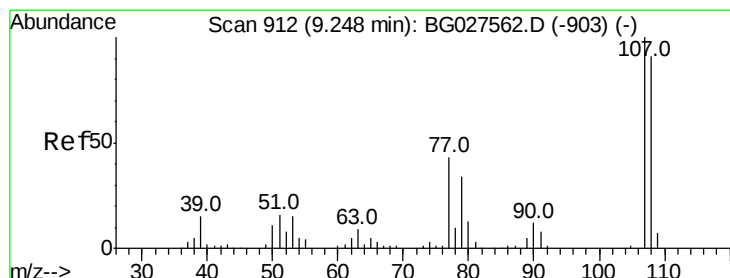
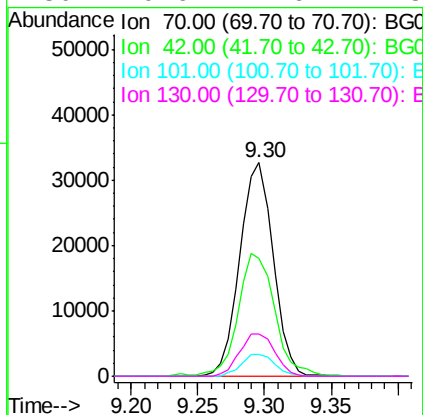




#19  
n-Nitroso-di-n-propylamine  
Concen: 36.39 ng  
RT: 9.30 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

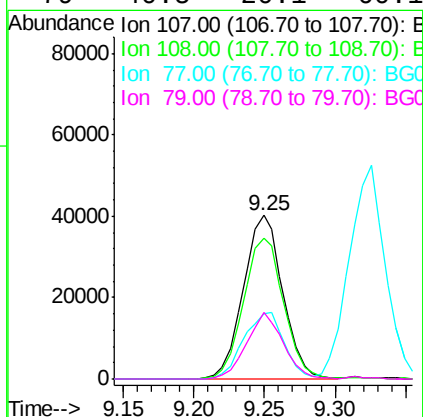
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 56579  
Ion Ratio Lower Upper  
70 100  
42 55.2 56.1 84.1#  
101 10.3 7.5 11.3  
130 19.6 14.6 21.8



#20  
3+4-Methylphenols  
Concen: 40.83 ng  
RT: 9.25 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion: 107 Resp: 78442  
Ion Ratio Lower Upper  
107 100  
108 85.8 70.8 110.8  
77 40.2 25.8 65.8  
79 40.5 20.1 60.1

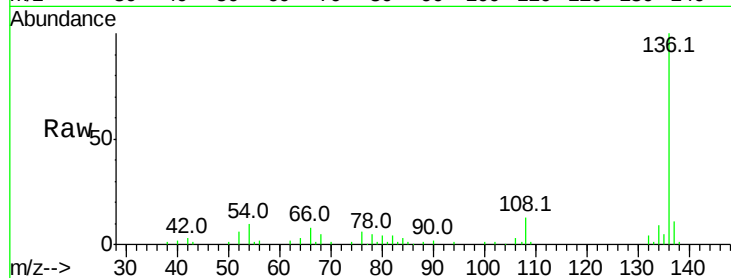




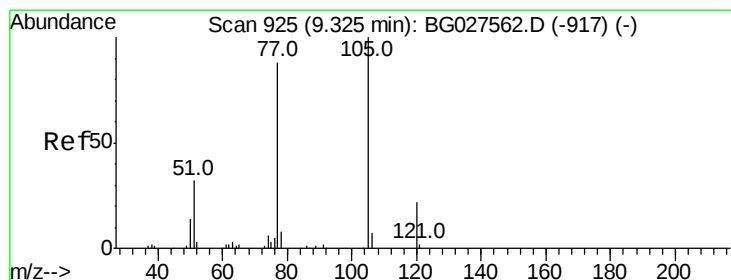
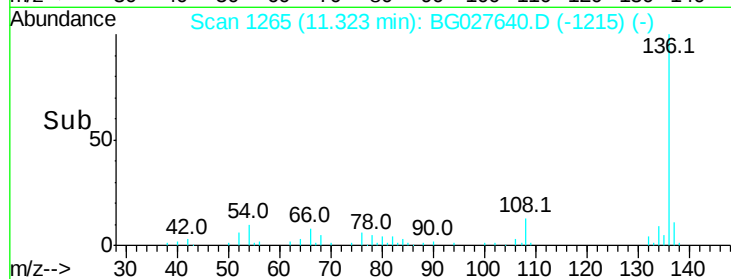
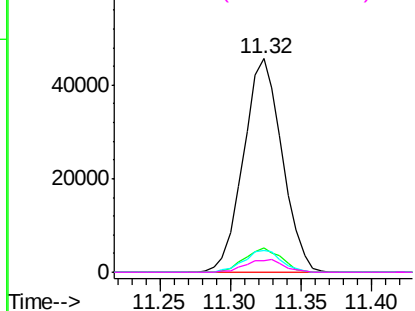
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.32 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |       |  |
|-------------|-------|-------|--|
| Tot Ion:136 | Resp: | 87404 |  |
| Ion Ratio   | Lower | Upper |  |
| 136 100     |       |       |  |
| 137 11.2    | 8.9   | 13.3  |  |
| 54 10.3     | 9.3   | 13.9  |  |
| 68 5.3      | 5.1   | 7.7   |  |

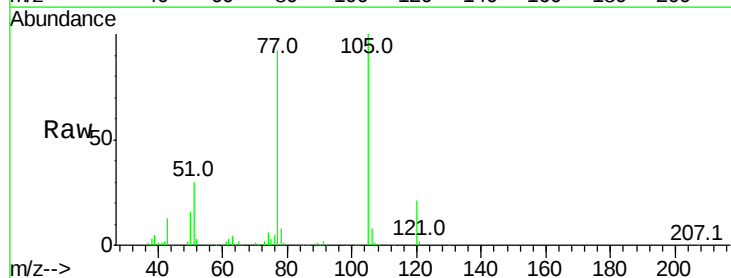


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

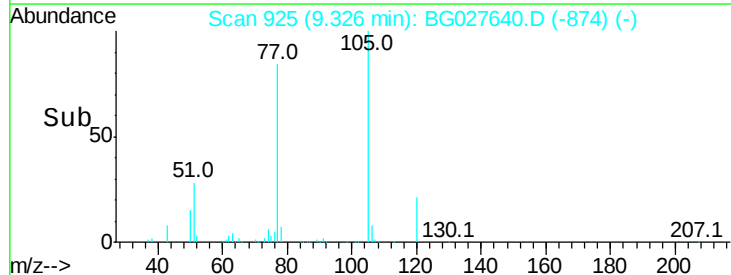
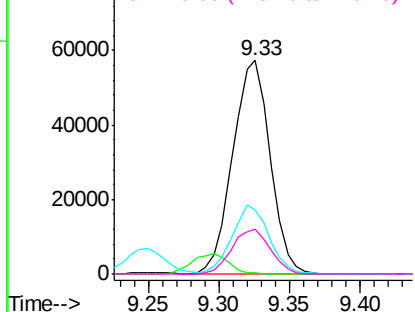


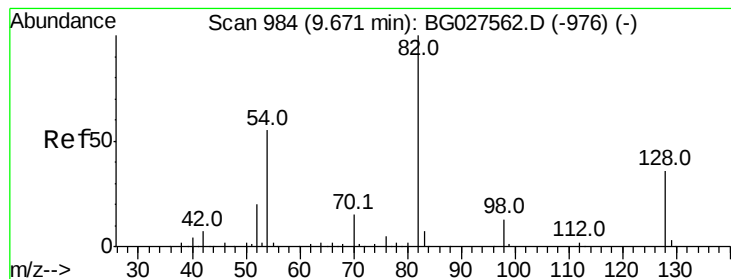
#22  
Acetophenone  
Concen: 44.23 ng  
RT: 9.33 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 106022 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.3     | 0.9   | 1.3#   |
| 51  | 30.1    | 34.0  | 51.0#  |
| 120 | 20.9    | 17.3  | 25.9   |



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





#23

Nitrobenzene-d5

Concen: 88.83 ng

RT: 9.67 min Scan# 984

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

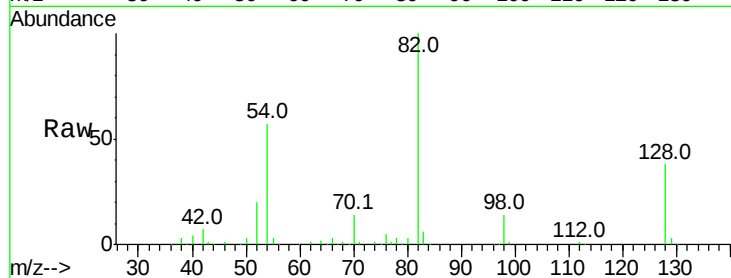
Tot Ion: 82 Resp: 164083

Ion Ratio Lower Upper

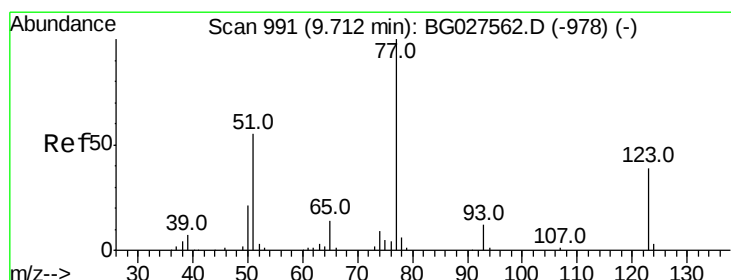
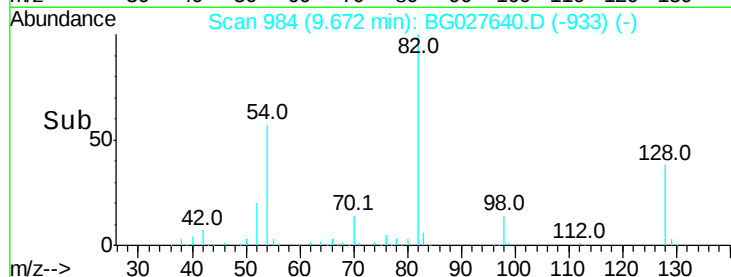
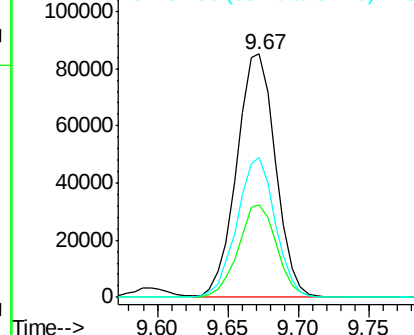
82 100

128 37.9 26.4 39.6

54 57.4 49.4 74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 42.48 ng

RT: 9.71 min Scan# 991

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

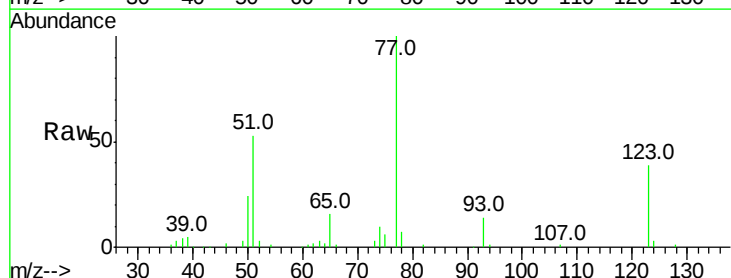
Tgt Ion: 77 Resp: 86007

Ion Ratio Lower Upper

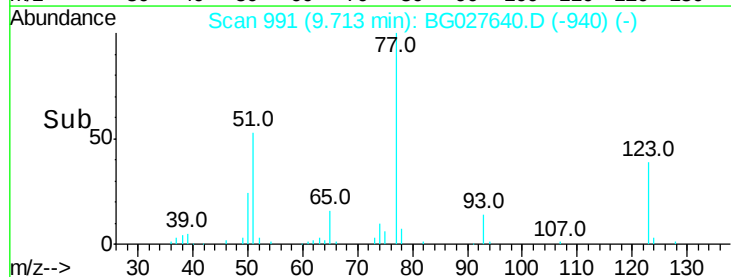
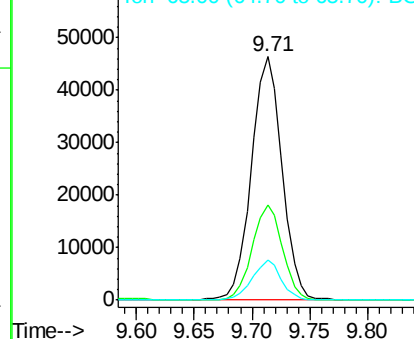
77 100

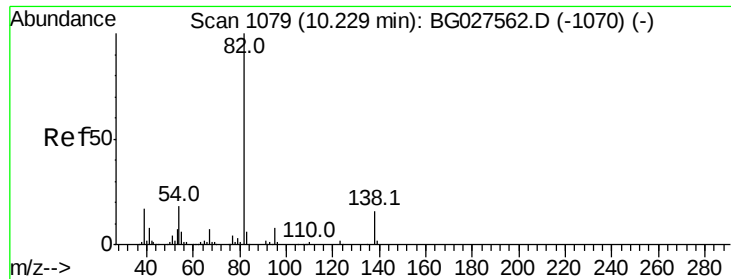
123 39.3 26.1 39.1#

65 16.5 12.4 18.6



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 42.17 ng

RT: 10.22 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

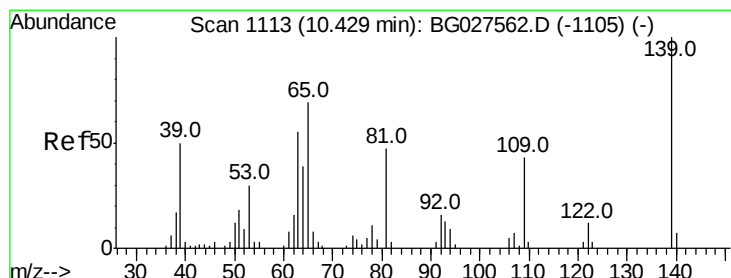
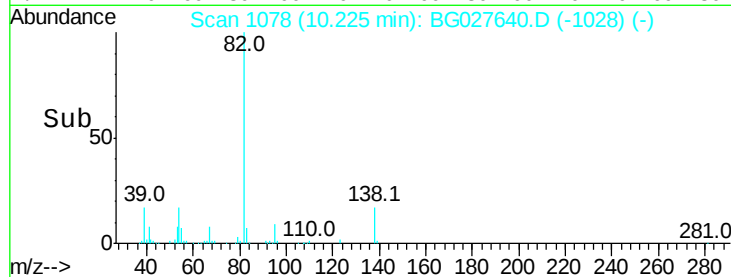
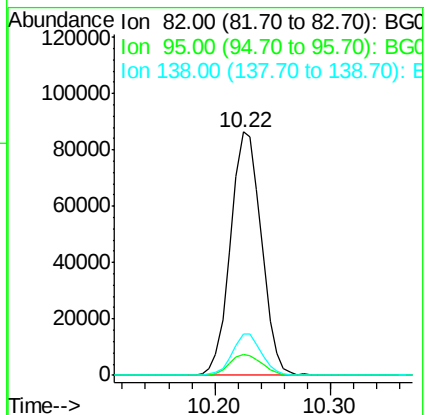
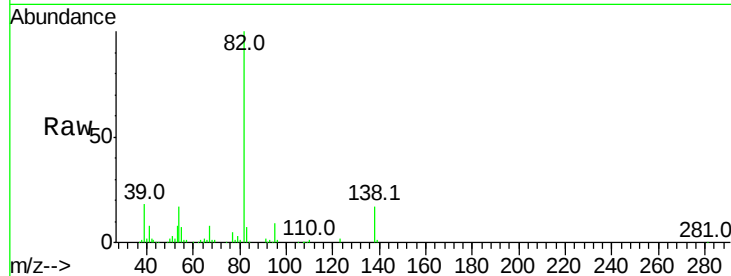
Tot Ion: 82 Resp: 160031

Ion Ratio Lower Upper

82 100

95 8.7 7.5 11.3

138 17.0 12.3 18.5



#26

2-Nitrophenol

Concen: 46.29 ng

RT: 10.42 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

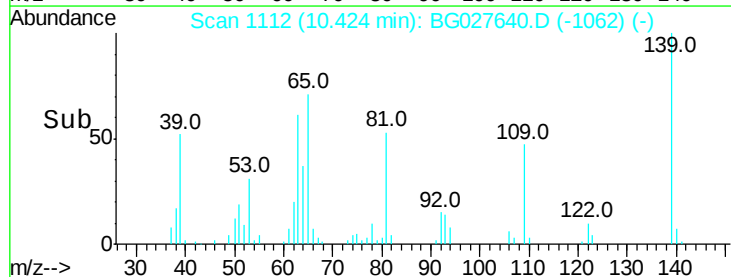
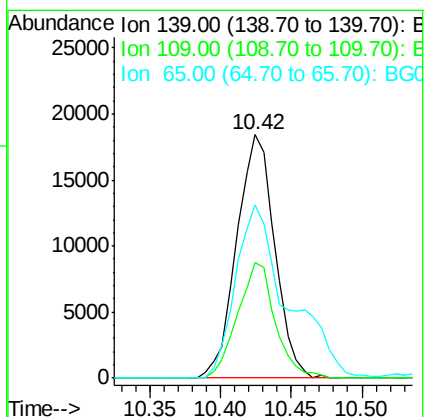
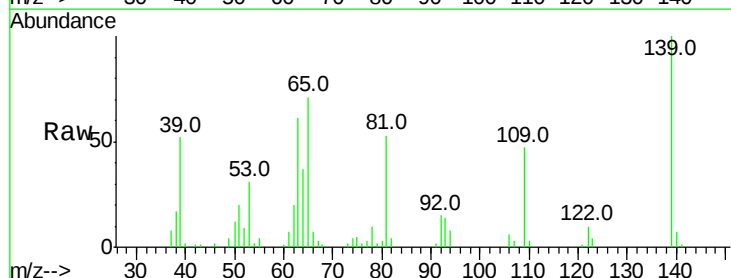
Tgt Ion: 139 Resp: 34669

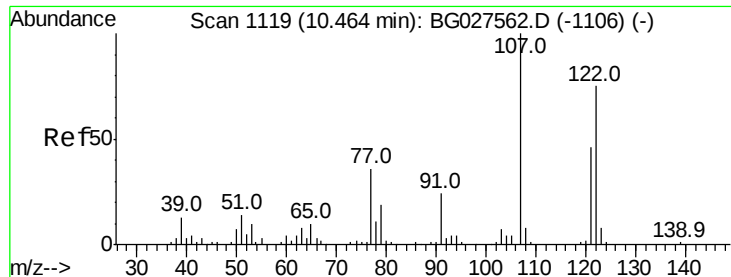
Ion Ratio Lower Upper

139 100

109 47.3 38.6 58.0

65 71.1 57.1 85.7

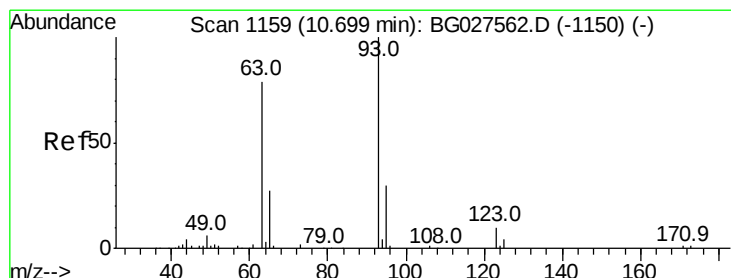
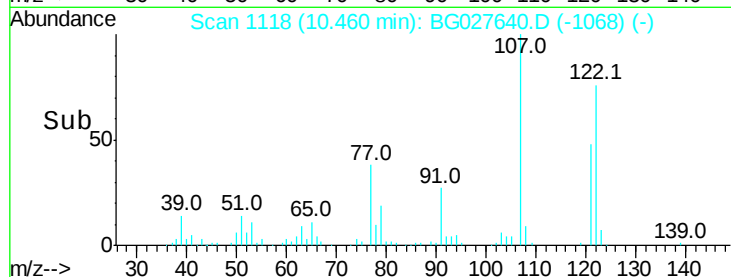
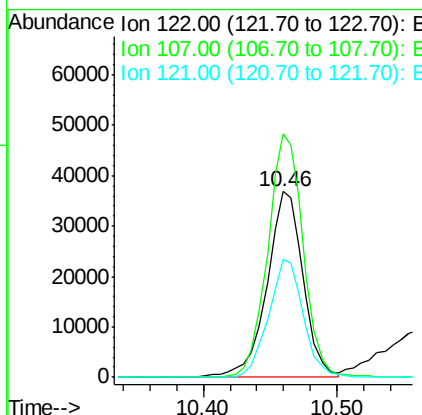
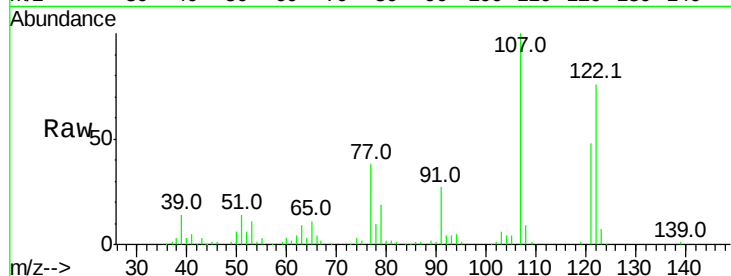




#27  
 2,4-Dimethylphenol  
 Concen: 48.90 ng  
 RT: 10.46 min Scan# 1118  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

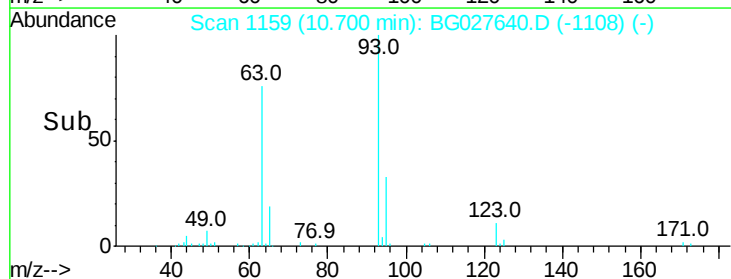
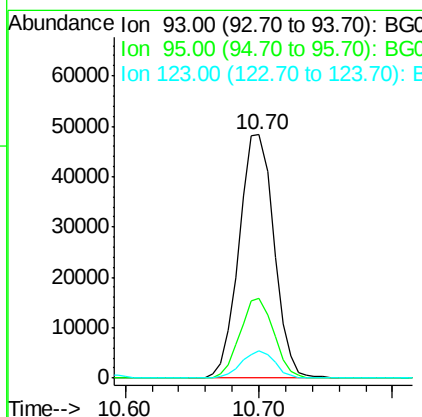
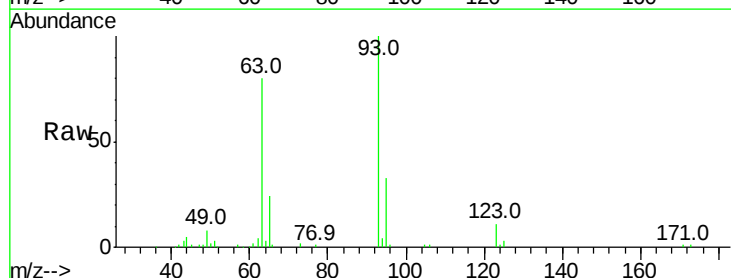
Instrument :  
 BNA\_G  
 ClientSampleId :

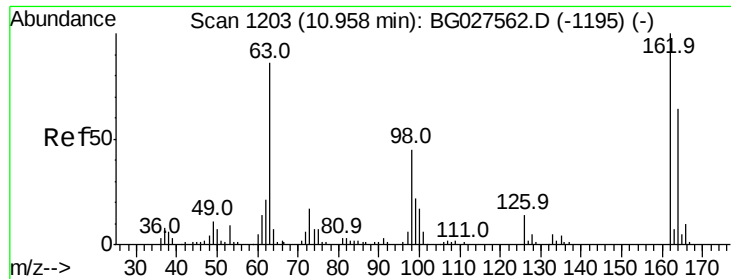
Tot Ion:122 Resp: 69161  
 Ion Ratio Lower Upper  
 122 100  
 107 131.2 104.2 156.4  
 121 63.4 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.94 ng  
 RT: 10.70 min Scan# 1159  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion: 93 Resp: 87577  
 Ion Ratio Lower Upper  
 93 100  
 95 32.9 25.7 38.5  
 123 11.2 8.3 12.5

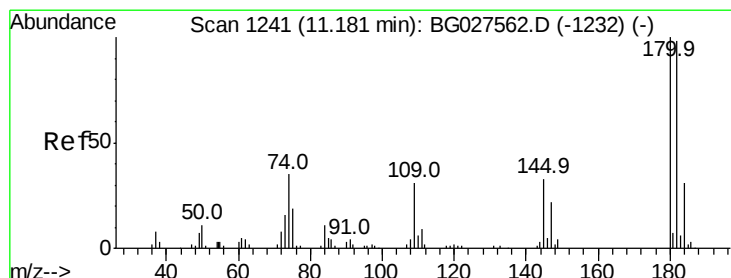
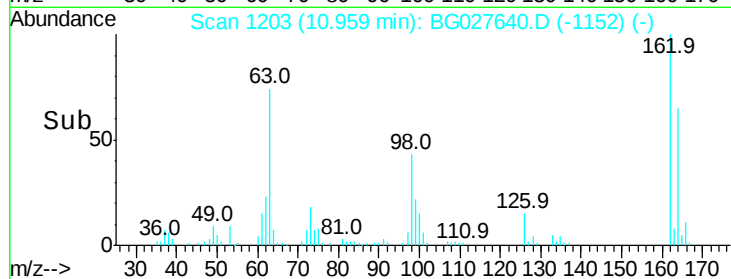
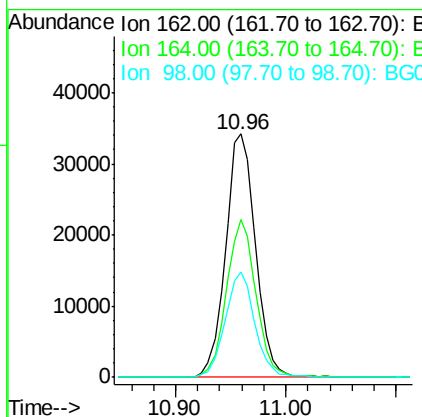
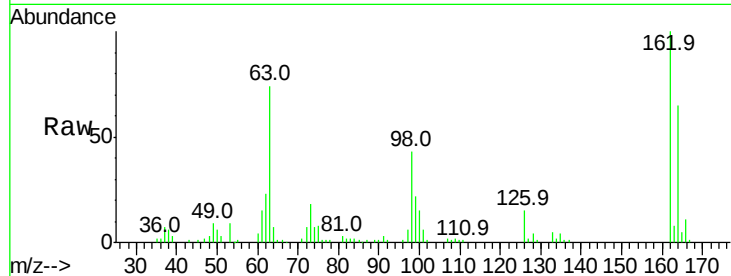




#29  
 2,4-Dichlorophenol  
 Concen: 53.00 ng  
 RT: 10.96 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

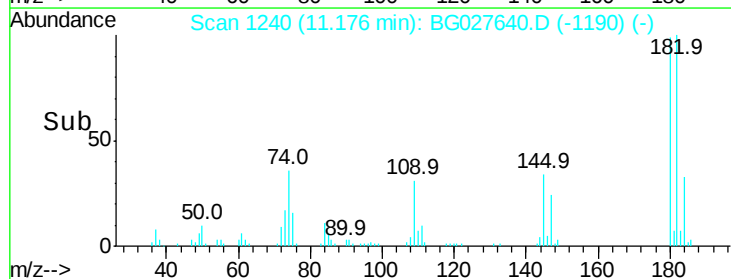
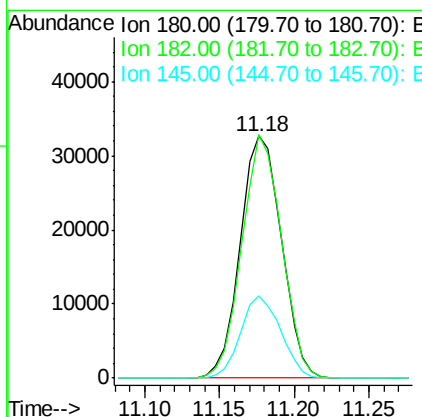
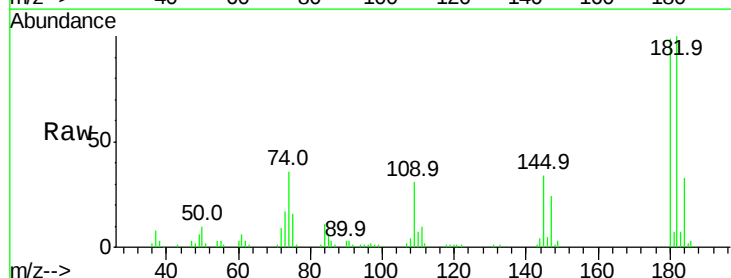
Instrument :  
 BNA\_G  
 ClientSampleId :

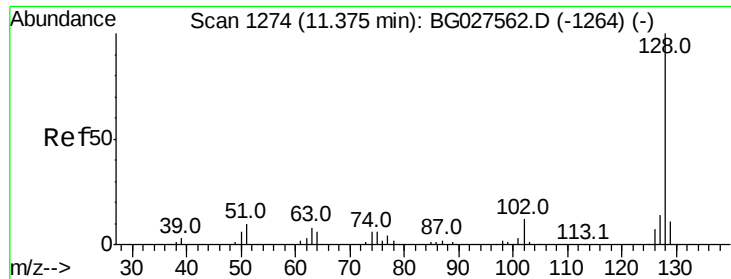
Tot Ion:162 Resp: 64744  
 Ion Ratio Lower Upper  
 162 100  
 164 64.9 42.4 82.4  
 98 43.4 20.3 60.3



#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.74 ng  
 RT: 11.18 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion:180 Resp: 62481  
 Ion Ratio Lower Upper  
 180 100  
 182 100.6 77.0 115.4  
 145 33.9 23.4 35.0

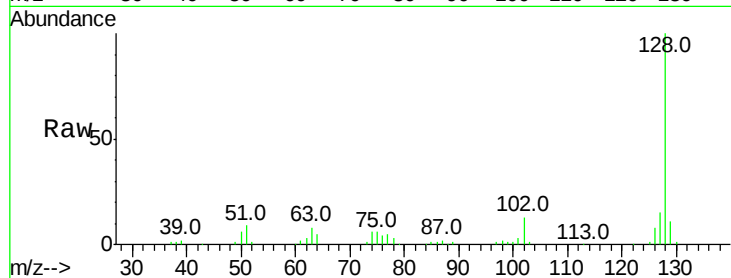




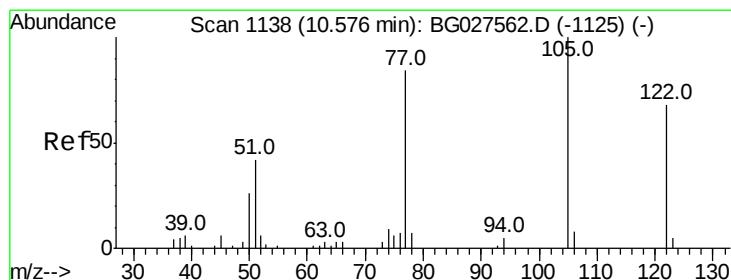
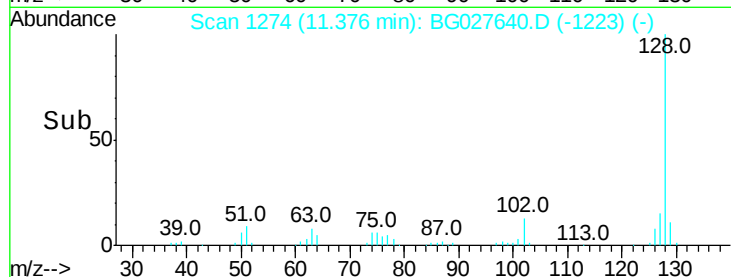
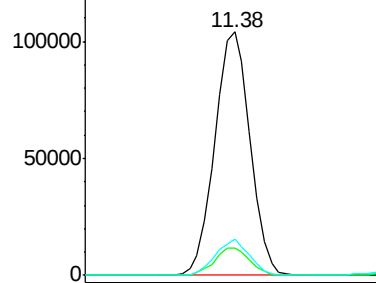
#31  
Naphthalene  
Concen: 42.57 ng  
RT: 11.38 min Scan# 1274  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 201101  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.3 13.9  
127 14.7 11.4 17.0

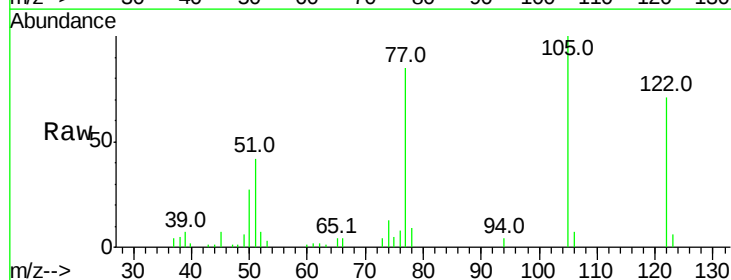


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

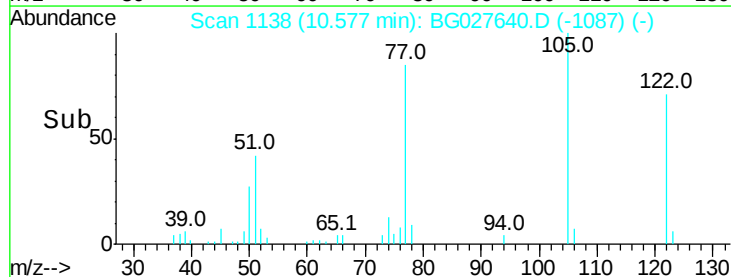
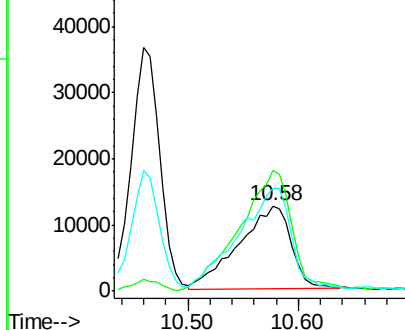


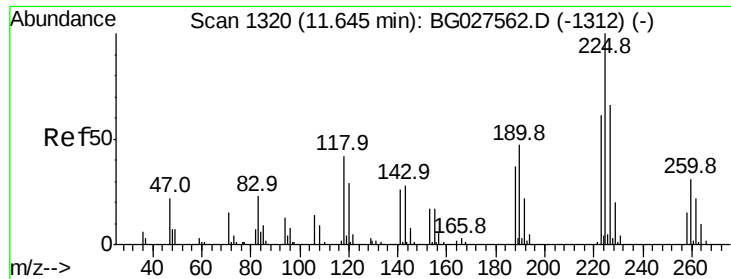
#32  
Benzoic acid  
Concen: 42.68 ng  
RT: 10.58 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:122 Resp: 41949  
Ion Ratio Lower Upper  
122 100  
105 141.7 120.1 160.1  
77 120.1 104.6 144.6



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

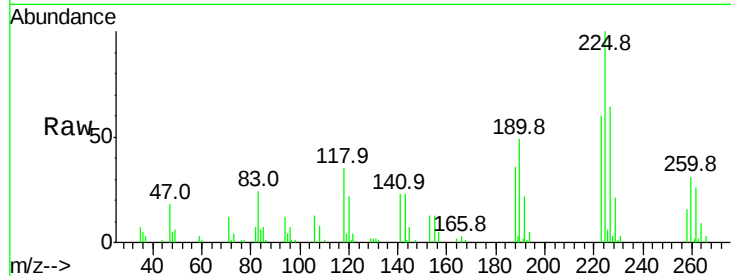




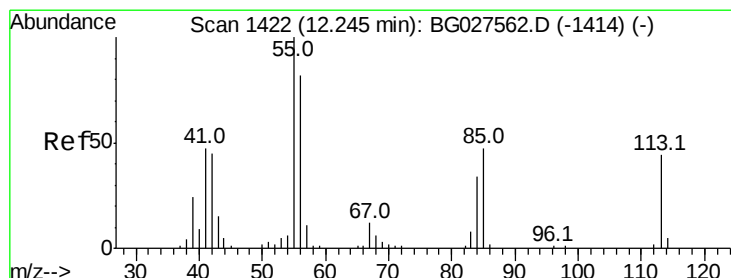
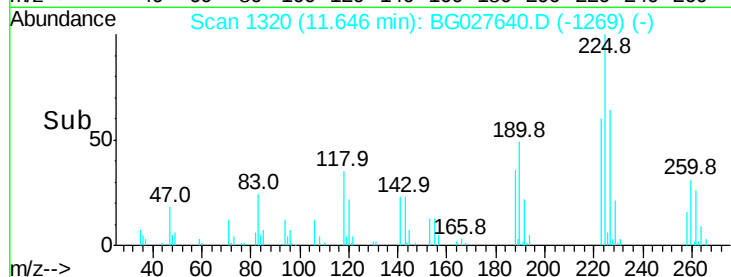
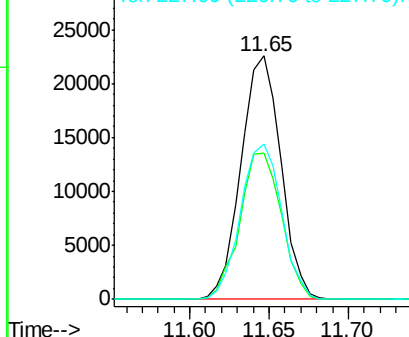
#34  
Hexachlorobutadiene  
Concen: 46.63 ng  
RT: 11.65 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:225 Resp: 39353  
Ion Ratio Lower Upper  
225 100  
223 60.1 50.7 76.1  
227 63.8 49.0 73.6

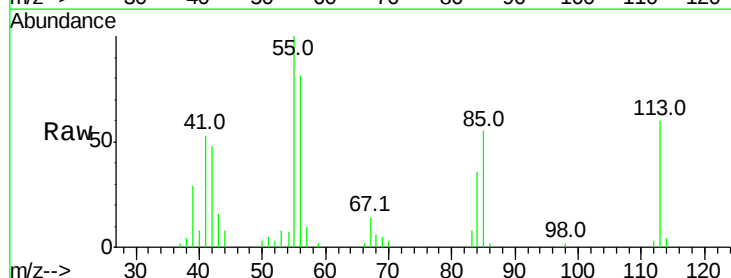


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

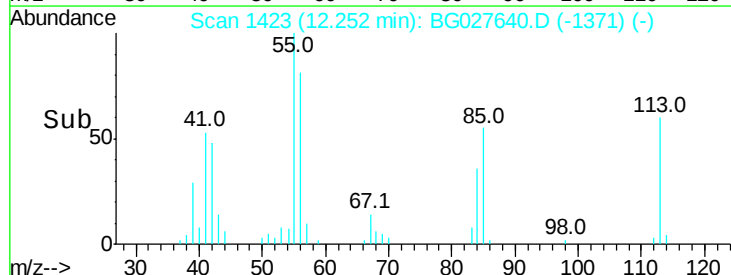
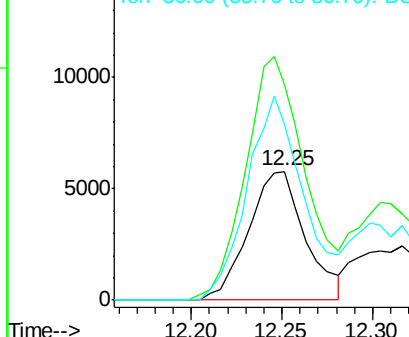


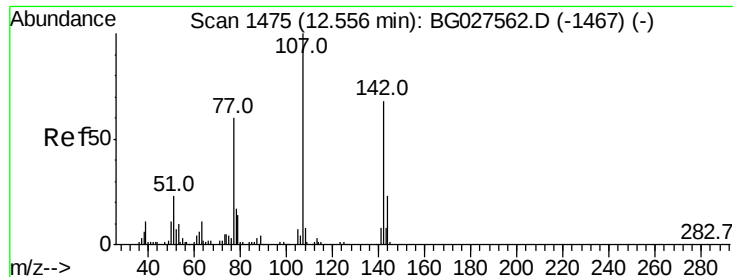
#35  
Caprolactam  
Concen: 22.29 ng  
RT: 12.25 min Scan# 1423  
Delta R.T. 0.01 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:113 Resp: 12688  
Ion Ratio Lower Upper  
113 100  
55 168.0 198.6 238.6#  
56 136.8 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BG  
Ion 56.00 (55.70 to 56.70): BG

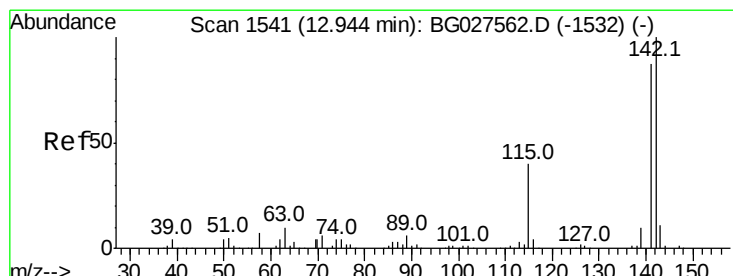
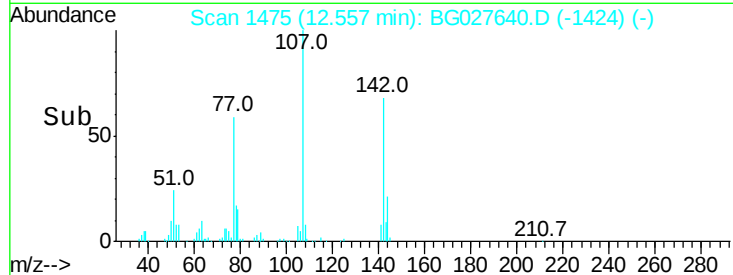
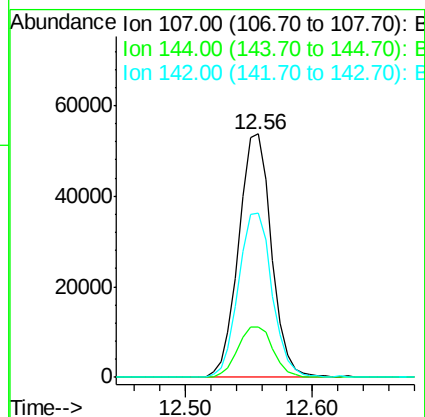
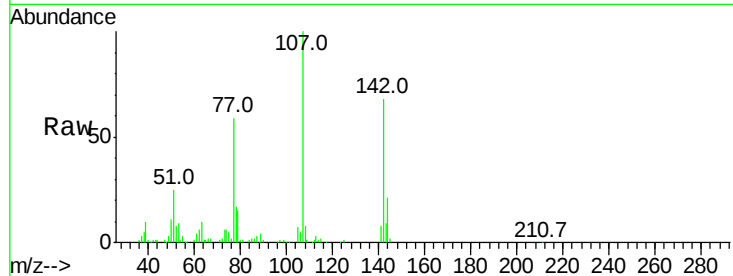




#36  
 4-Chloro-3-methylphenol  
 Concen: 51.48 ng  
 RT: 12.56 min Scan# 1475  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

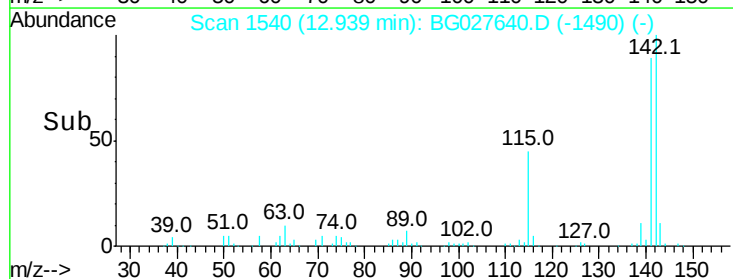
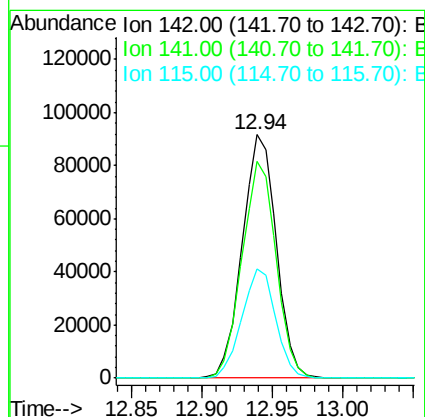
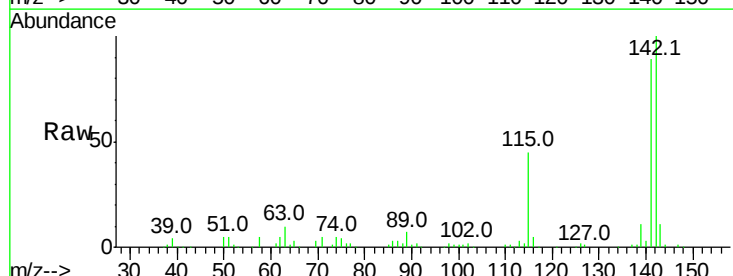
Instrument :  
 BNA\_G  
 ClientSampled :

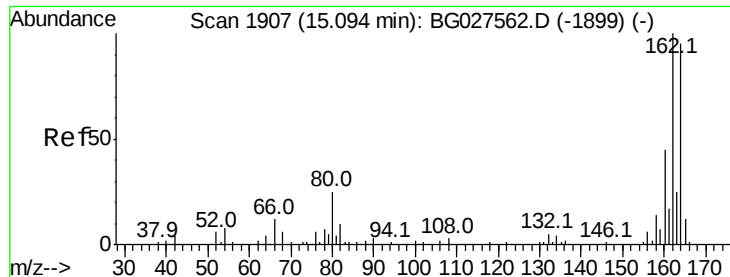
Tot Ion:107 Resp: 96443  
 Ion Ratio Lower Upper  
 107 100  
 144 20.7 17.4 26.0  
 142 67.5 54.1 81.1



#37  
 2-Methylnaphthalene  
 Concen: 45.15 ng  
 RT: 12.94 min Scan# 1540  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion:142 Resp: 155014  
 Ion Ratio Lower Upper  
 142 100  
 141 89.0 70.4 105.6  
 115 44.7 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.09 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

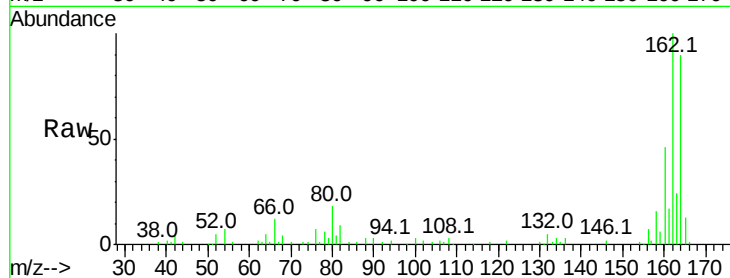
Tot Ion:164 Resp: 58418

Ion Ratio Lower Upper

164 100

162 110.8 85.1 127.7

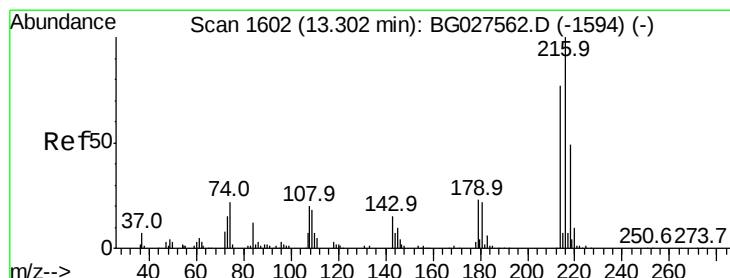
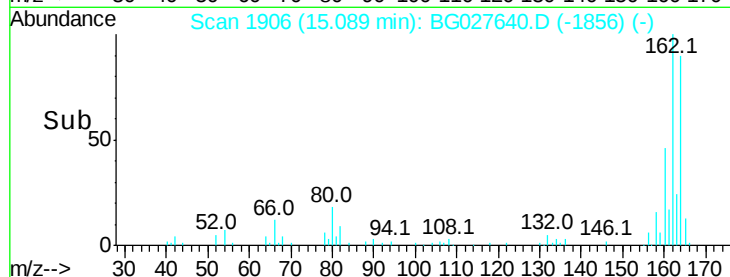
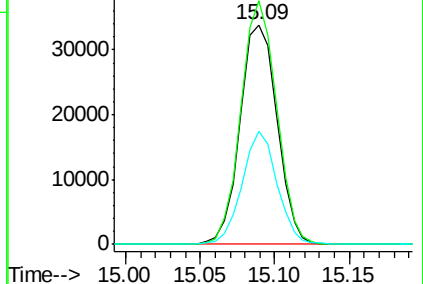
160 51.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.32 ng

RT: 13.30 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Tgt Ion:216 Resp: 83030

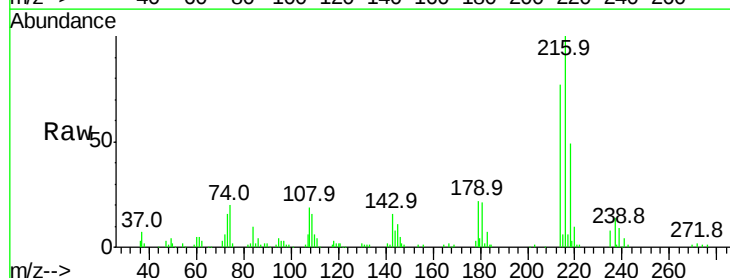
Ion Ratio Lower Upper

216 100

214 79.3 64.4 96.6

179 23.2 17.4 26.0

108 23.1 15.6 23.4

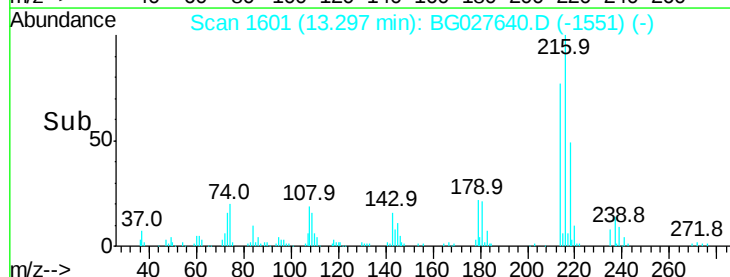
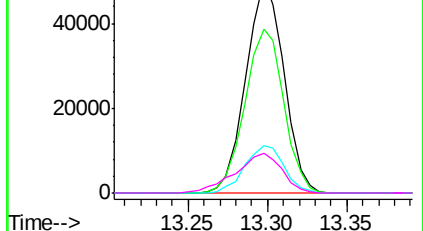


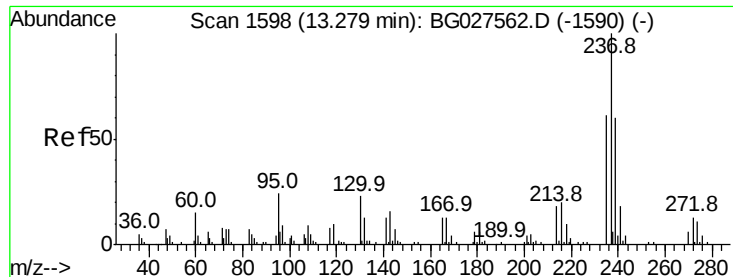
Abundance Ion 216.00 (215.70 to 216.70): E

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: 109.43 ng

RT: 13.27 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

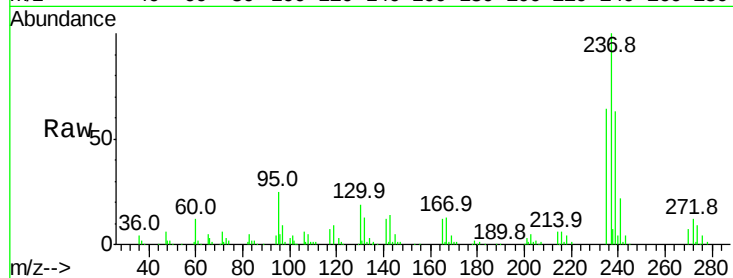
Tot Ion:237 Resp: 107452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.7  | 39.4  | 79.4  |
| 272 | 12.4  | 0.0   | 32.0  |

237 100

235 63.7 39.4 79.4

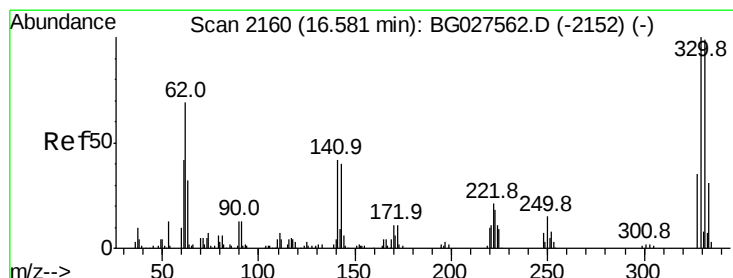
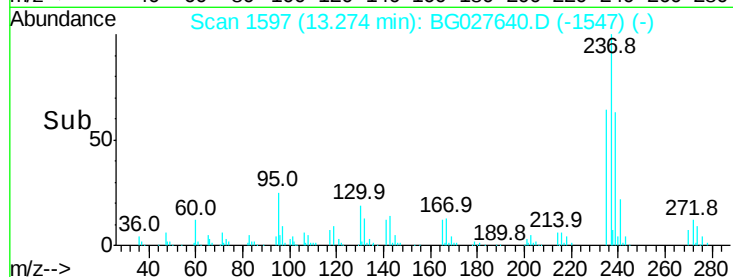
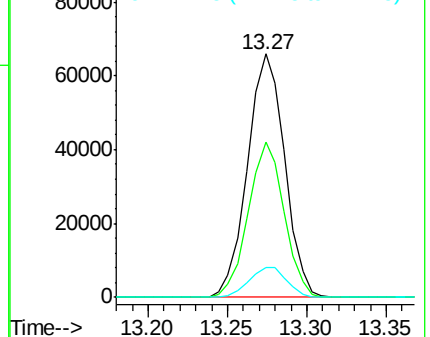
272 12.4 0.0 32.0



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 174.88 ng

RT: 16.58 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

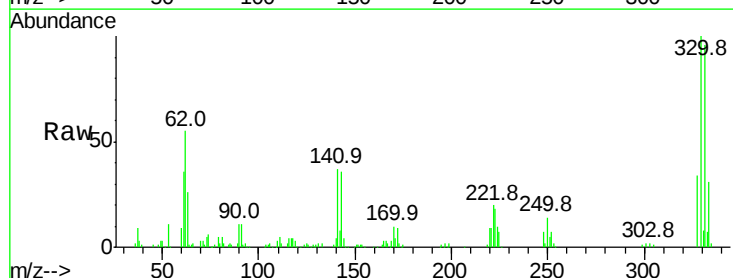
Tgt Ion:330 Resp: 152303

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.6  | 77.3  | 115.9 |
| 141 | 37.8  | 32.1  | 48.1  |

330 100

332 95.6 77.3 115.9

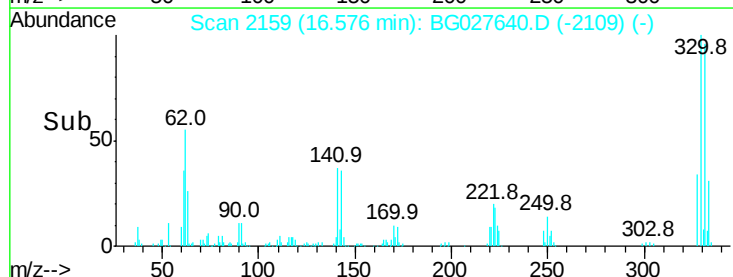
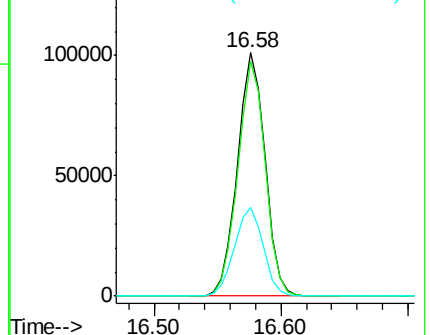
141 37.8 32.1 48.1

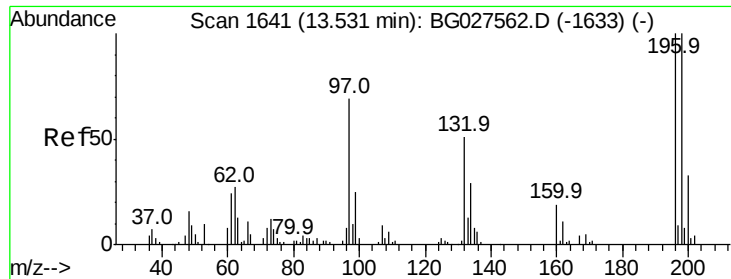


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

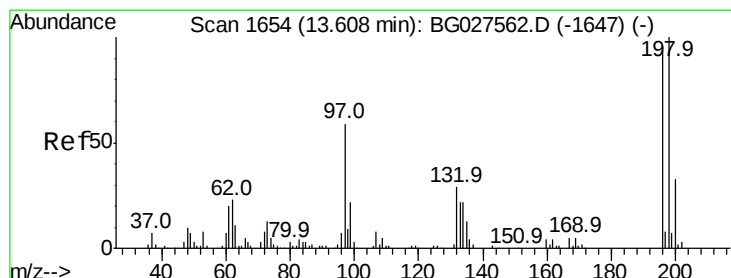
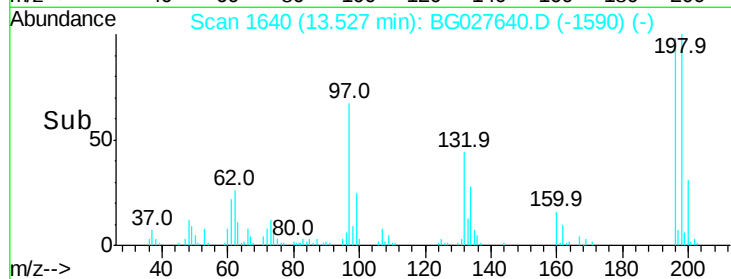
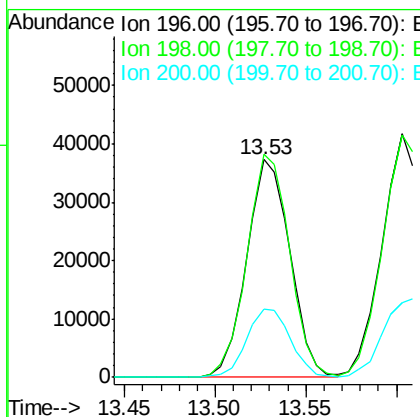
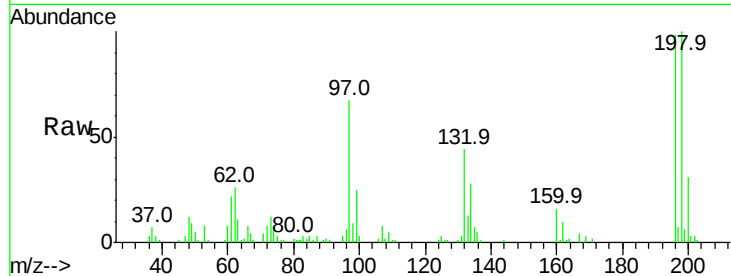




#42  
2,4,6-Trichlorophenol  
Concen: 52.38 ng  
RT: 13.53 min Scan# 1640  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

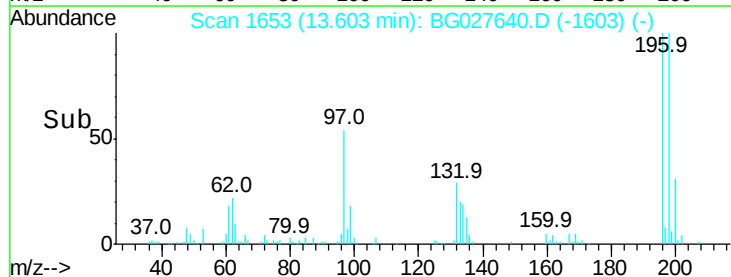
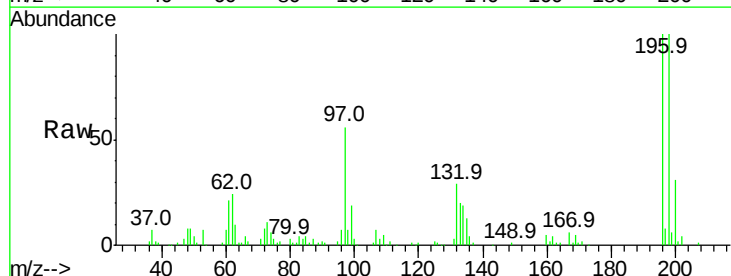
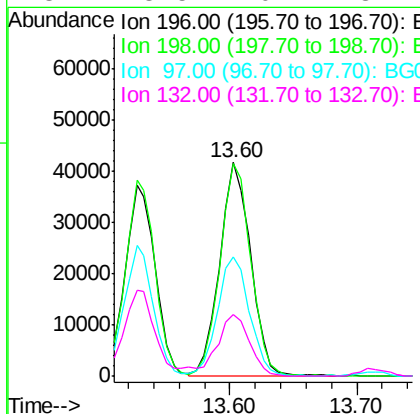
Instrument :  
BNA\_G  
ClientSampled :

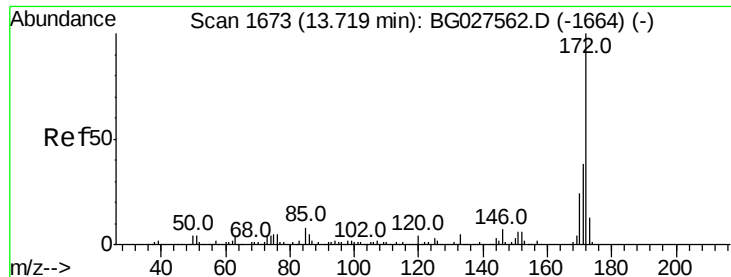
Tot Ion:196 Resp: 62010  
Ion Ratio Lower Upper  
196 100  
198 102.5 81.4 122.2  
200 31.6 27.0 40.6



#43  
2,4,5-Trichlorophenol  
Concen: 50.72 ng  
RT: 13.60 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:196 Resp: 70557  
Ion Ratio Lower Upper  
196 100  
198 99.5 79.9 119.9  
97 55.6 45.4 68.0  
132 28.5 20.7 31.1

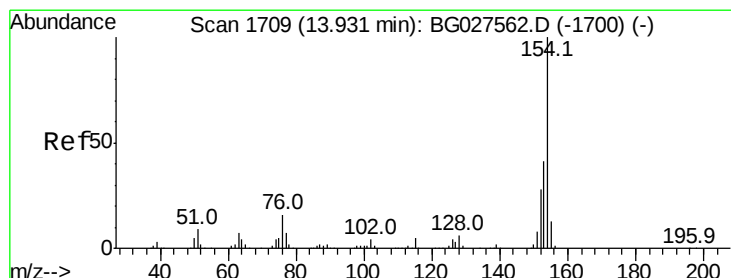
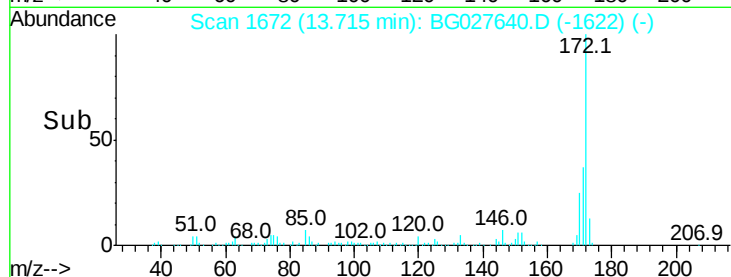
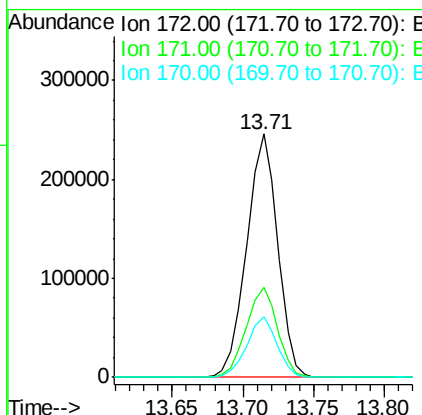
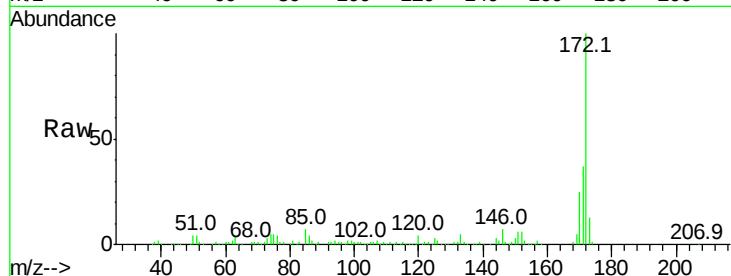




#44  
2-Fluorobiphenyl  
Concen: 88.63 ng  
RT: 13.71 min Scan# 1672  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

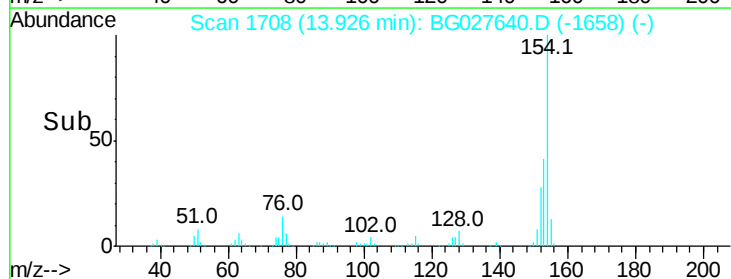
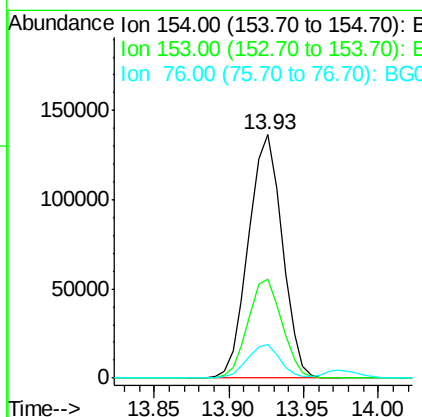
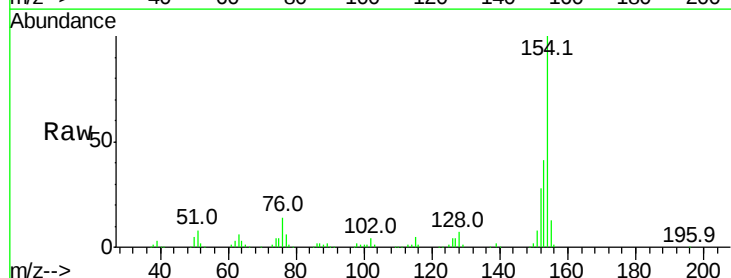
Instrument :  
BNA\_G  
ClientSampleId :

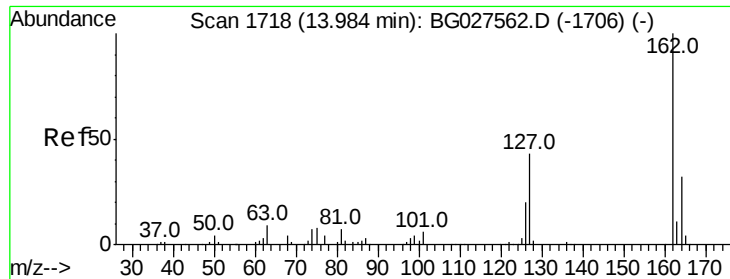
Tot Ion:172 Resp: 379046  
Ion Ratio Lower Upper  
172 100  
171 36.9 32.2 48.2  
170 25.1 21.8 32.6



#45  
1,1'-Biphenyl  
Concen: 43.87 ng  
RT: 13.93 min Scan# 1708  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:154 Resp: 213703  
Ion Ratio Lower Upper  
154 100  
153 40.7 23.0 63.0  
76 14.1 0.0 33.5

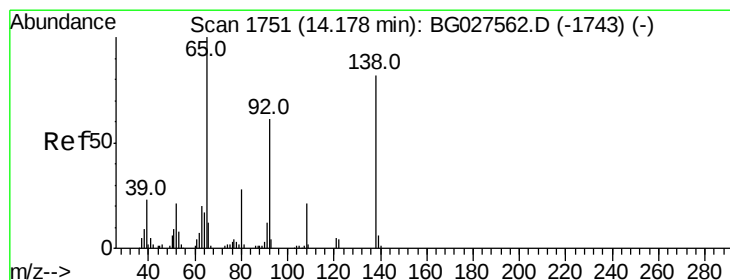
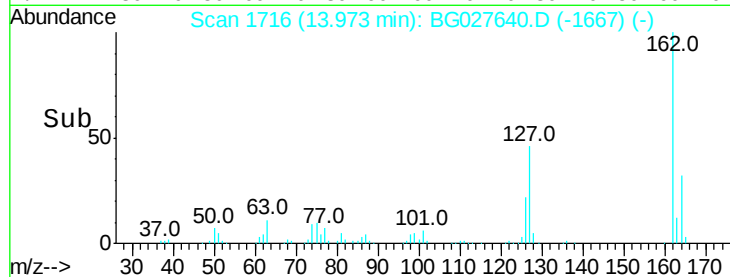
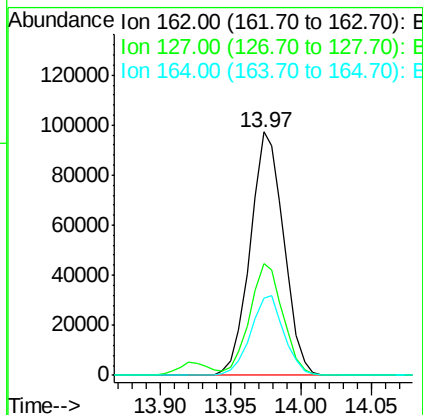
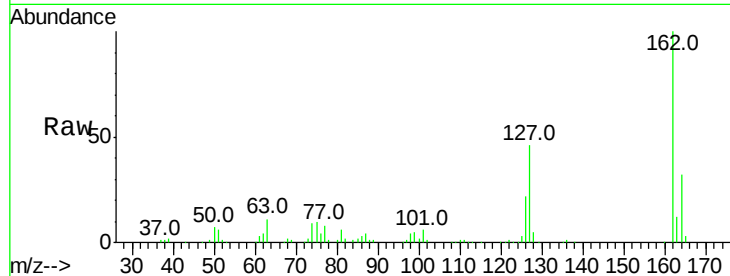




#46  
2-Chloronaphthalene  
Concen: 44.68 ng  
RT: 13.97 min Scan# 1716  
Delta R.T. -0.01 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

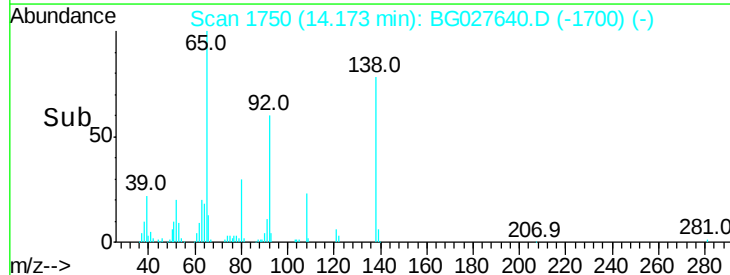
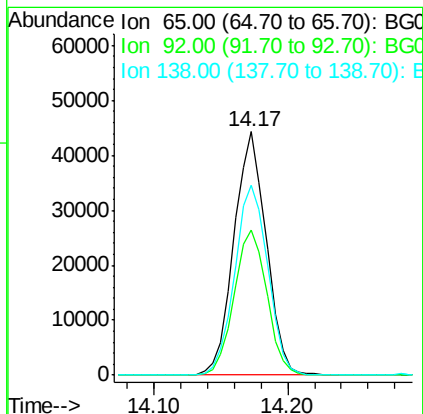
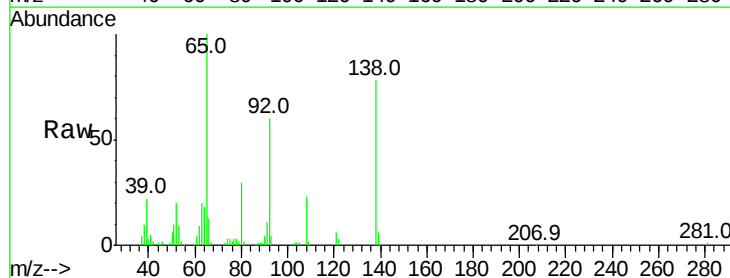
Instrument :  
BNA\_G  
ClientSampleId :

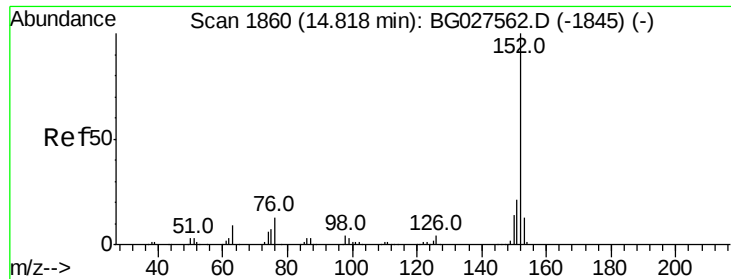
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 46.0  | 32.2  | 48.4  |
| 164     | 31.5  | 27.3  | 40.9  |



#47  
2-Nitroaniline  
Concen: 45.68 ng  
RT: 14.17 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 59.5  | 49.0  | 73.4  |
| 138     | 78.0  | 58.6  | 87.8  |





#48

Acenaphthylene

Concen: 42.36 ng

RT: 14.81 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

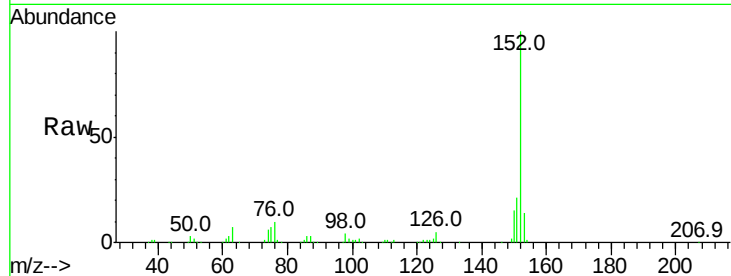
Tot Ion:152 Resp: 268916

Ion Ratio Lower Upper

152 100

151 21.3 18.2 27.2

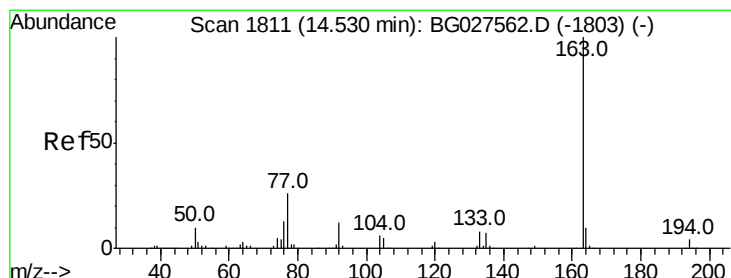
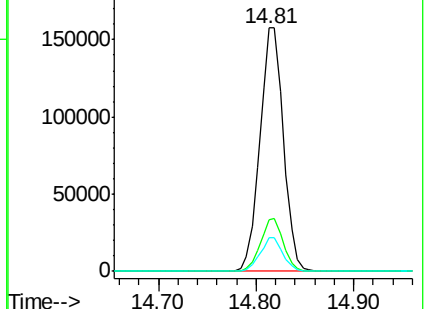
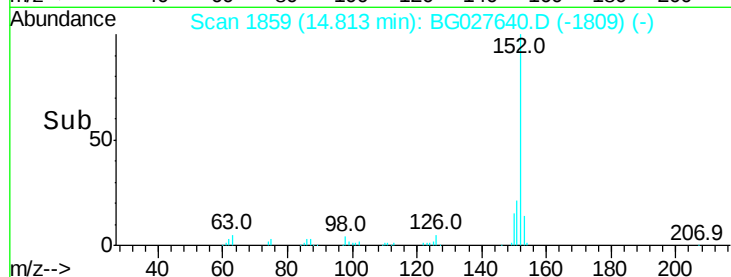
153 13.6 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 48.64 ng

RT: 14.53 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

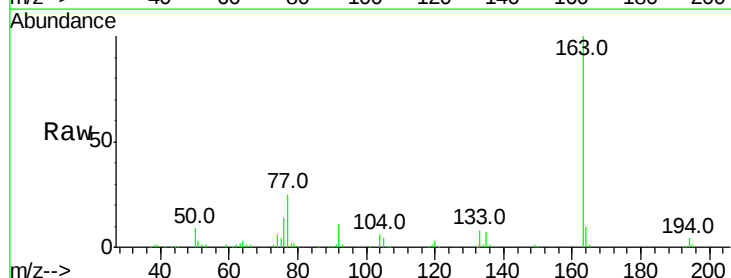
Tgt Ion:163 Resp: 248801

Ion Ratio Lower Upper

163 100

194 4.2 3.8 5.6

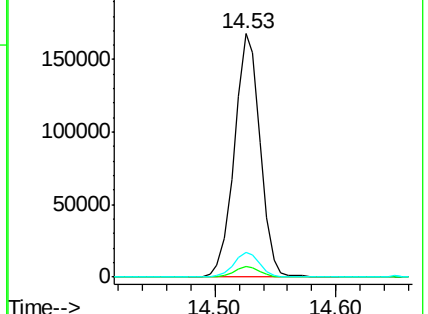
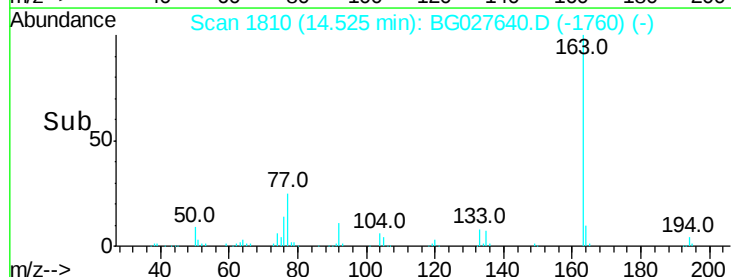
164 10.0 9.3 13.9

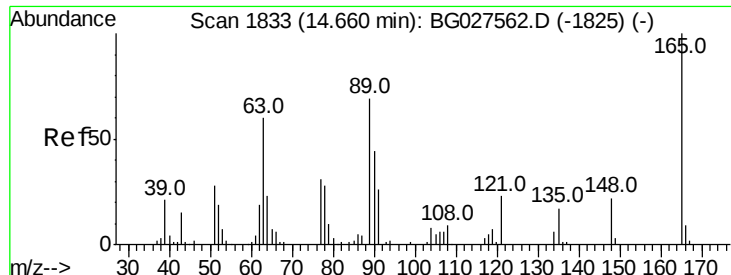


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

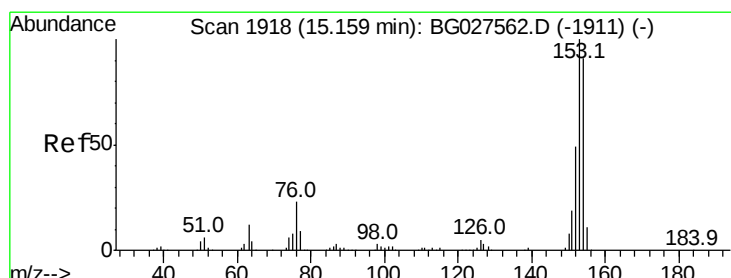
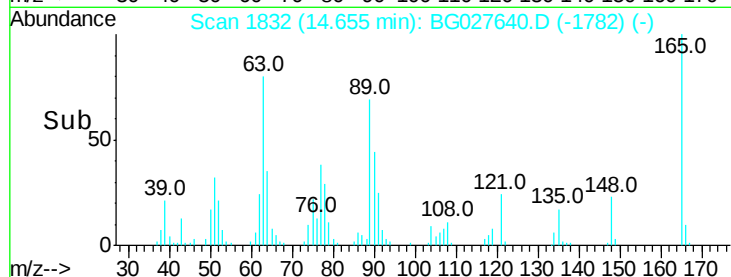
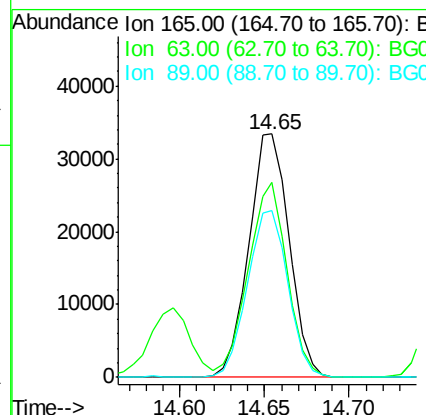
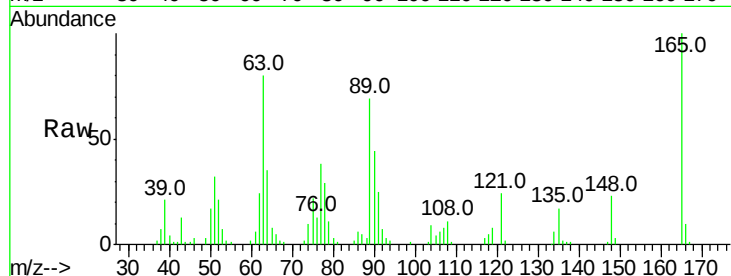




#50  
2,6-Dinitrotoluene  
Concen: 50.02 ng  
RT: 14.65 min Scan# 1832  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

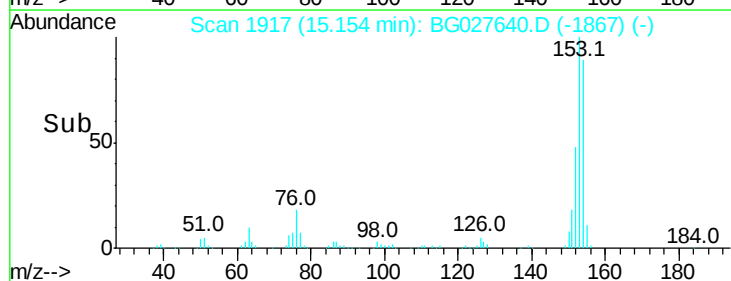
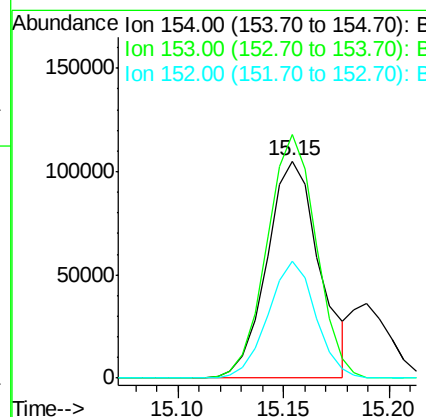
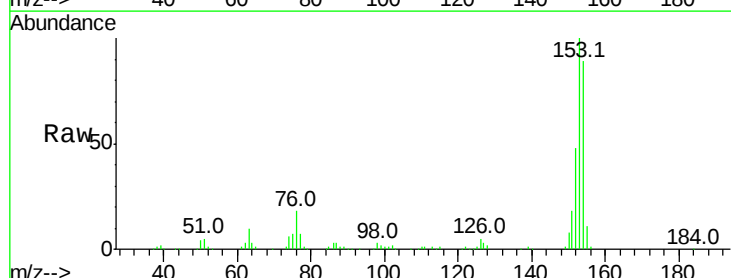
Instrument :  
BNA\_G  
ClientSampled :

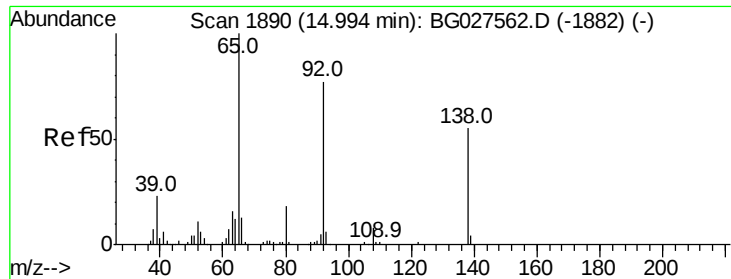
Tot Ion:165 Resp: 55519  
Ion Ratio Lower Upper  
165 100  
63 79.9 63.9 95.9  
89 68.7 58.6 88.0



#51  
Acenaphthene  
Concen: 41.10 ng  
RT: 15.15 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:154 Resp: 181805  
Ion Ratio Lower Upper  
154 100  
153 112.1 87.8 131.6  
152 53.6 42.2 63.4





#52

3-Nitroaniline

Concen: 12.48 ng

RT: 14.99 min Scan# 1889

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

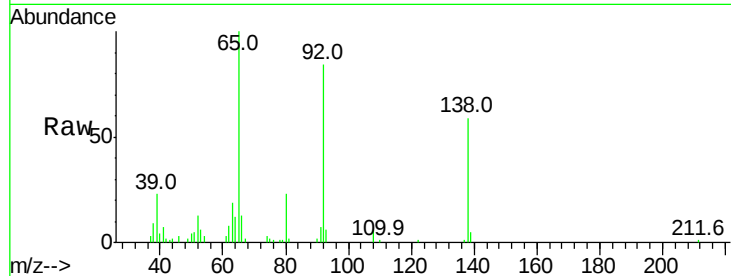
Tot Ion:138 Resp: 14619

Ion Ratio Lower Upper

138 100

108 10.4 10.9 16.3#

92 141.8 115.3 172.9

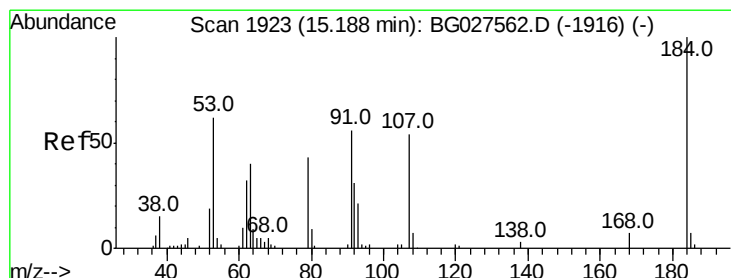
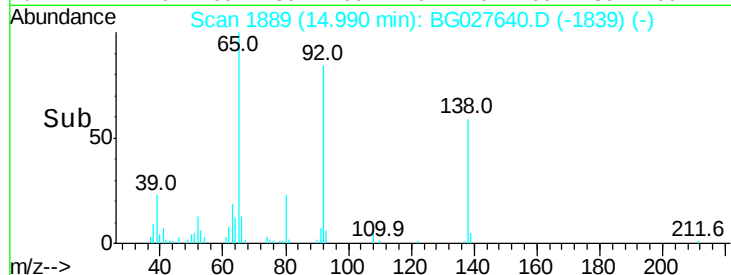


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->



#53

2,4-Dinitrophenol

Concen: 115.52 ng

RT: 15.19 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

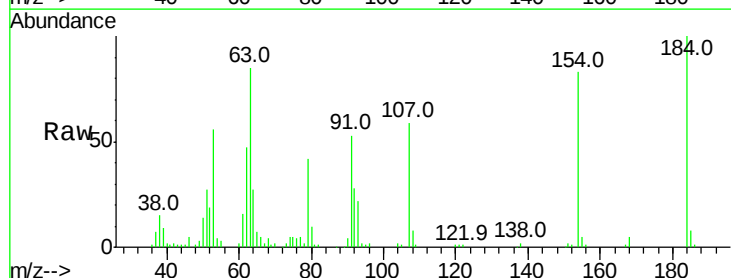
Tgt Ion:184 Resp: 72468

Ion Ratio Lower Upper

184 100

63 84.7 52.7 79.1#

154 83.1 57.3 85.9

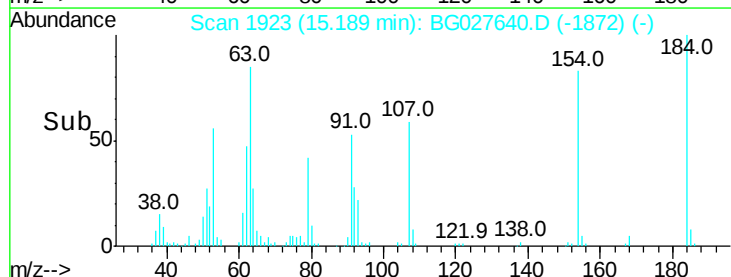


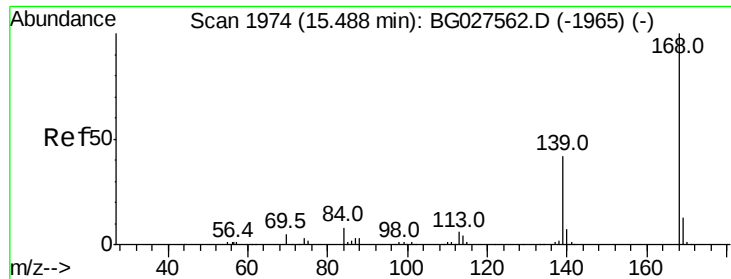
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->

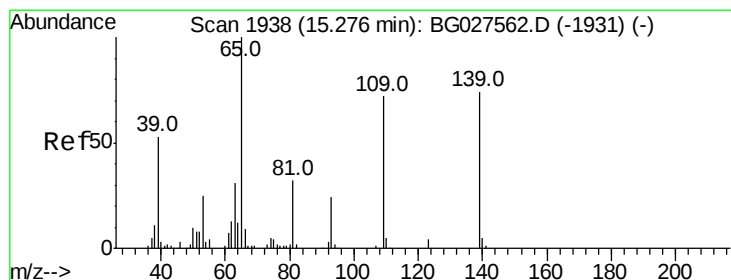
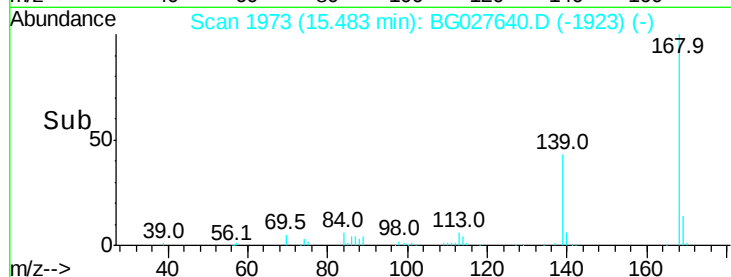
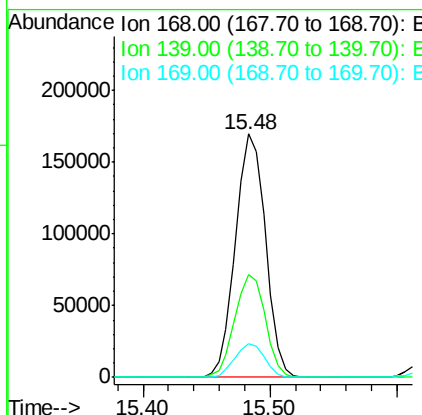
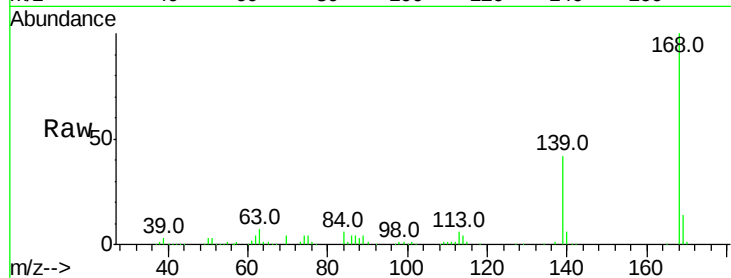




#54  
Dibenzofuran  
Concen: 48.34 ng  
RT: 15.48 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

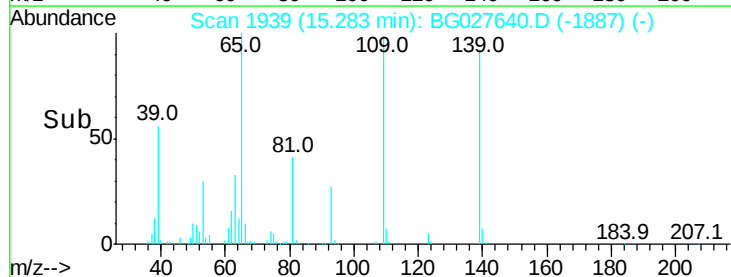
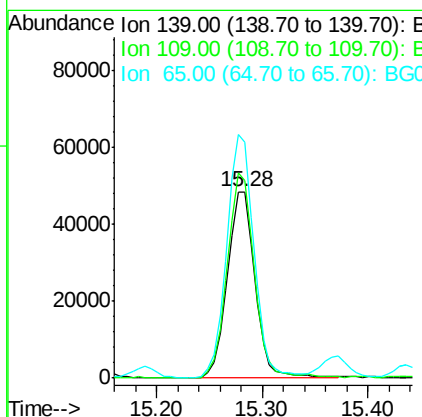
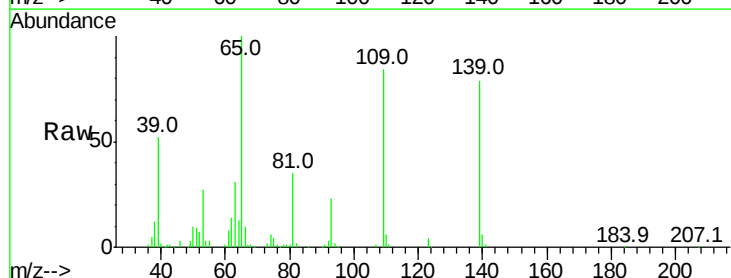
Instrument :  
BNA\_G  
ClientSampleId :

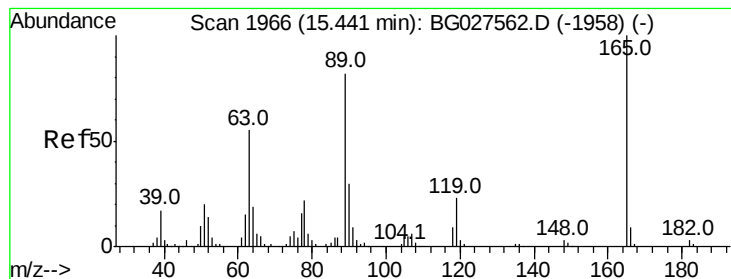
Tot Ion:168 Resp: 278511  
Ion Ratio Lower Upper  
168 100  
139 42.2 35.3 52.9  
169 13.6 11.5 17.3



#55  
4-Nitrophenol  
Concen: 89.31 ng  
RT: 15.28 min Scan# 1939  
Delta R.T. 0.01 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:139 Resp: 87601  
Ion Ratio Lower Upper  
139 100  
109 106.3 101.2 141.2  
65 126.8 135.3 175.3#





#56

2,4-Dinitrotoluene

Concen: 52.66 ng

RT: 15.44 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:165 Resp: 82878

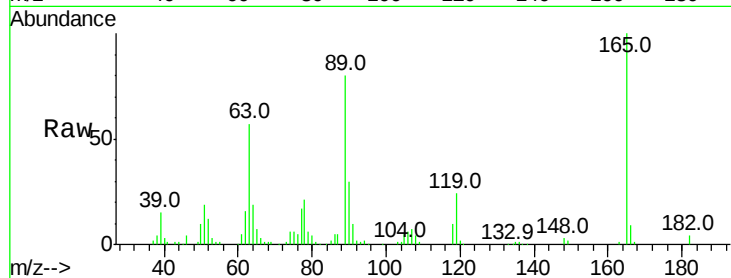
Ion Ratio Lower Upper

165 100

63 57.4 44.0 66.0

89 80.2 67.3 100.9

182 3.5 3.8 5.6#

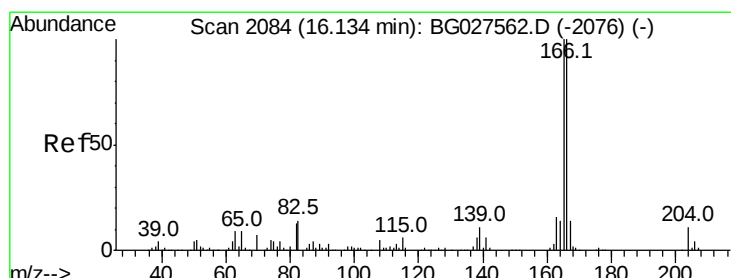
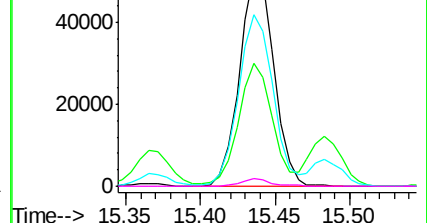
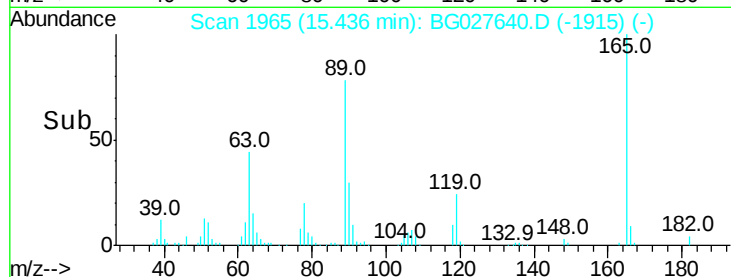


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 45.12 ng

RT: 16.14 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

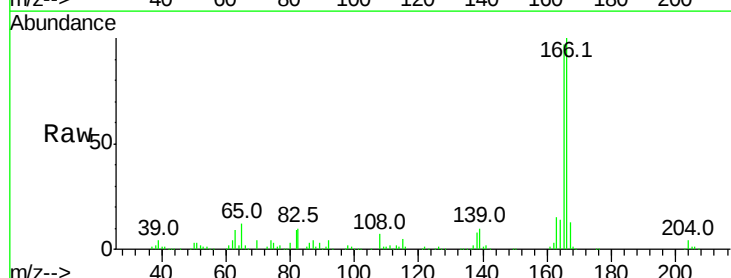
Tgt Ion:166 Resp: 246202

Ion Ratio Lower Upper

166 100

165 97.2 78.6 117.8

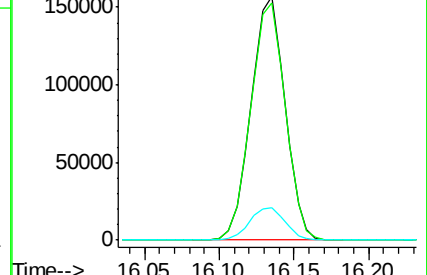
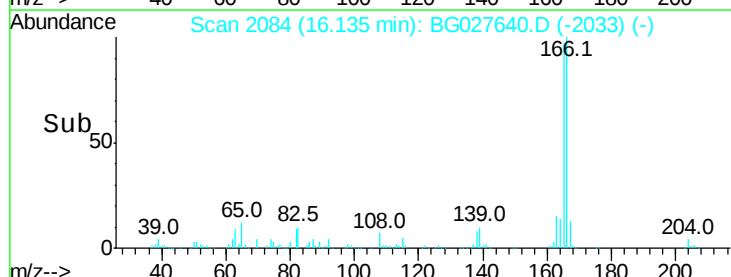
167 13.3 11.6 17.4

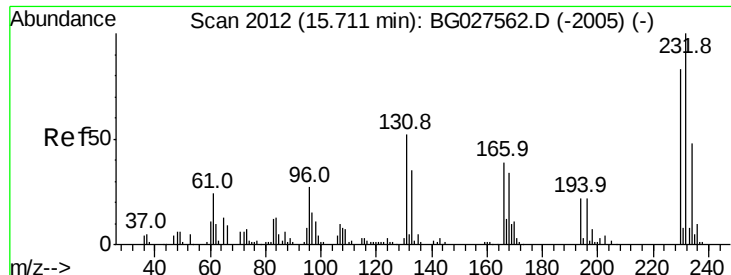


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

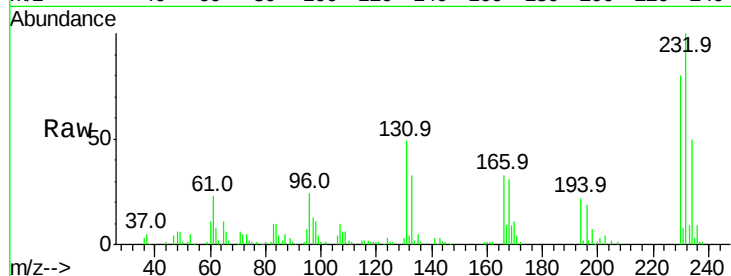




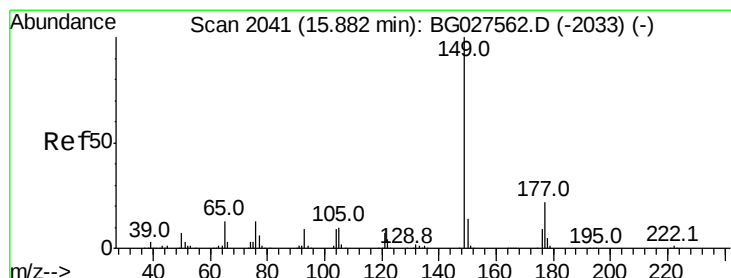
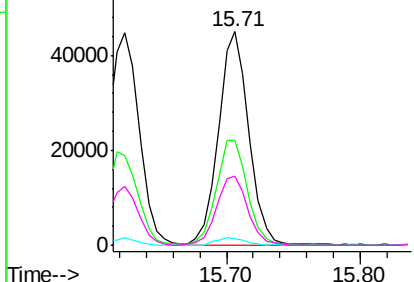
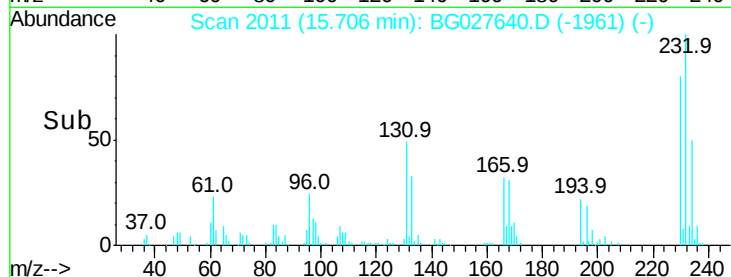
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 58.55 ng  
 RT: 15.71 min Scan# 2011  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:232 Resp: 71715  
 Ion Ratio Lower Upper  
 232 100  
 131 50.5 34.9 52.3  
 130 3.2 2.3 3.5  
 166 33.1 24.2 36.4

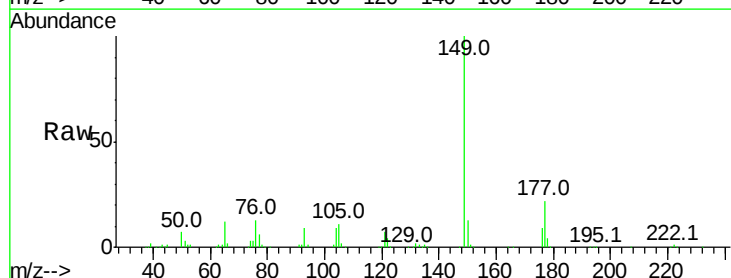


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

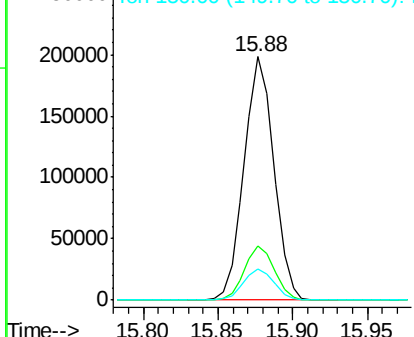
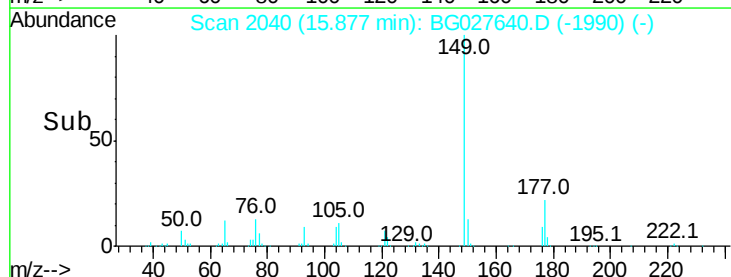


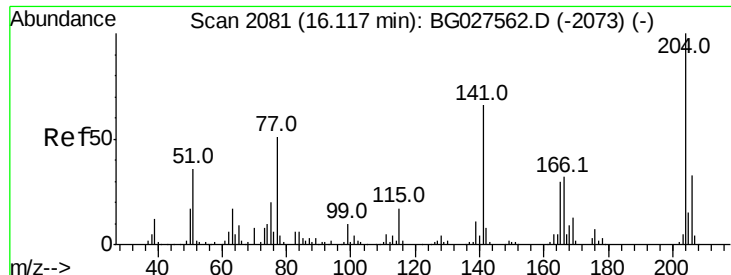
#59  
 Diethylphthalate  
 Concen: 49.04 ng  
 RT: 15.88 min Scan# 2040  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion:149 Resp: 273688  
 Ion Ratio Lower Upper  
 149 100  
 177 22.1 20.1 30.1  
 150 12.7 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

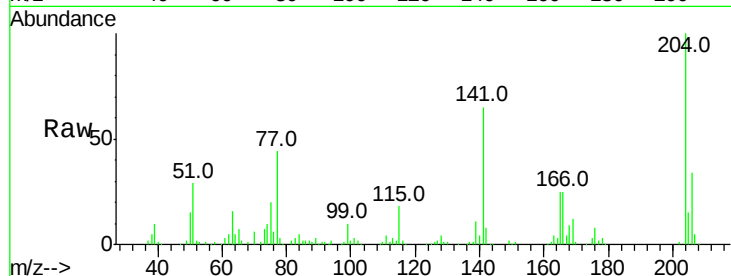




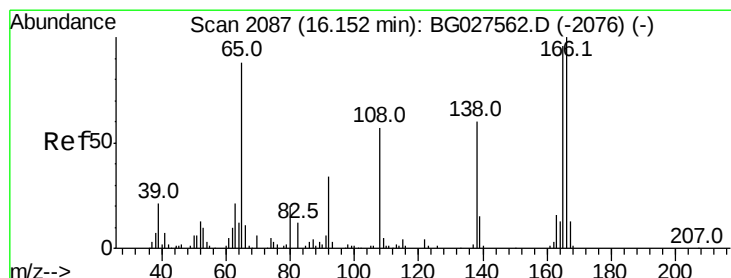
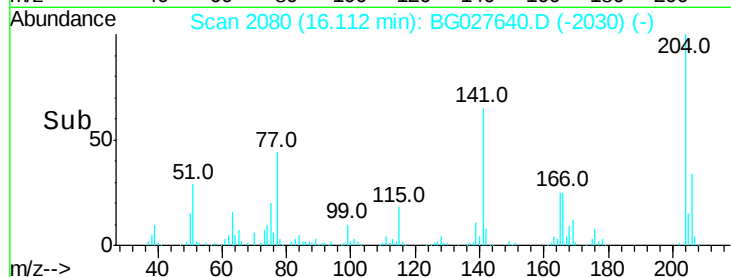
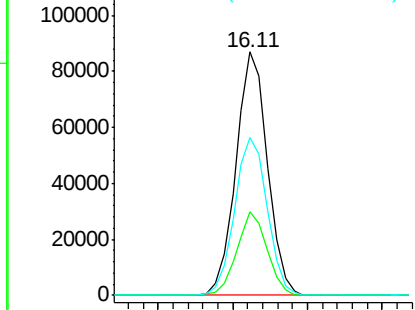
#60  
 4-Chlorophenyl-phenylether  
 Concen: 47.27 ng  
 RT: 16.11 min Scan# 2080  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:204 Resp: 126924  
 Ion Ratio Lower Upper  
 204 100  
 206 34.4 30.1 45.1  
 141 64.9 50.6 76.0

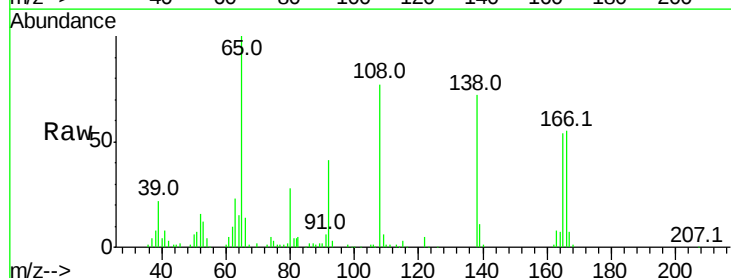


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

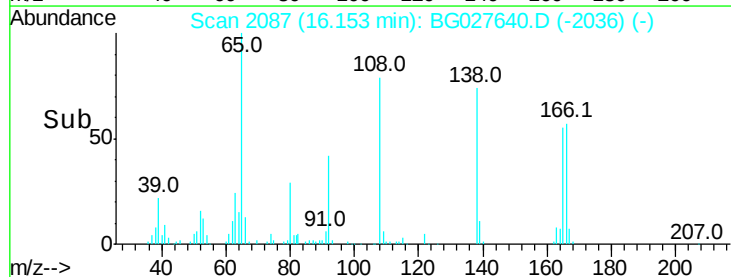
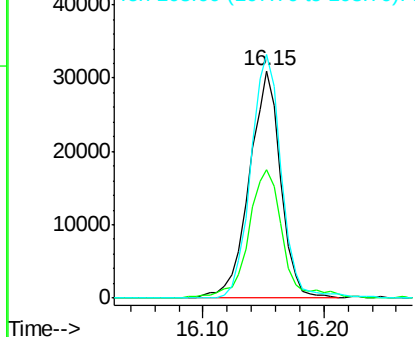


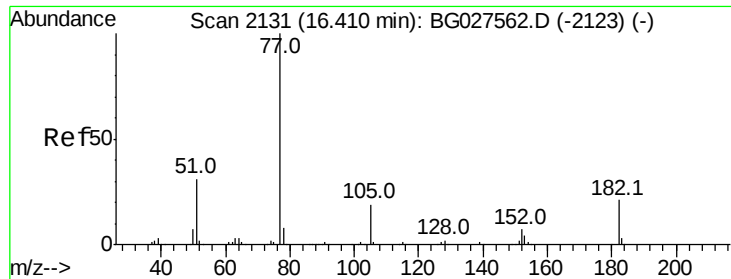
#61  
 4-Nitroaniline  
 Concen: 43.38 ng  
 RT: 16.15 min Scan# 2087  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion:138 Resp: 55757  
 Ion Ratio Lower Upper  
 138 100  
 92 56.7 44.2 84.2  
 108 107.2 104.8 144.8



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





#62

Azobenzene

Concen: 47.02 ng

RT: 16.41 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

Tot Ion: 77 Resp: 269069

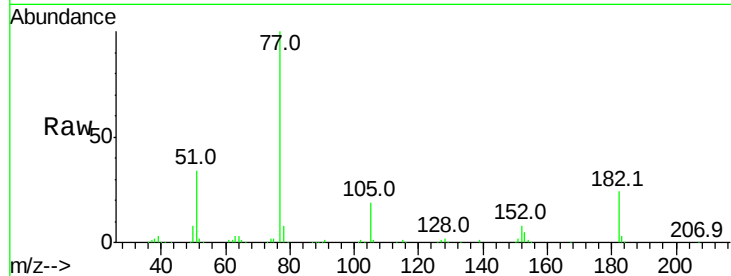
Ion Ratio Lower Upper

77 100

182 23.7 4.7 44.7

105 19.0 0.0 36.3

51 33.5 16.4 56.4

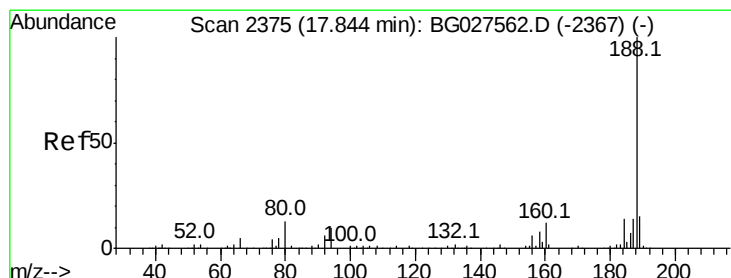
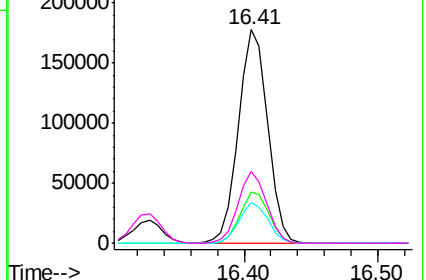
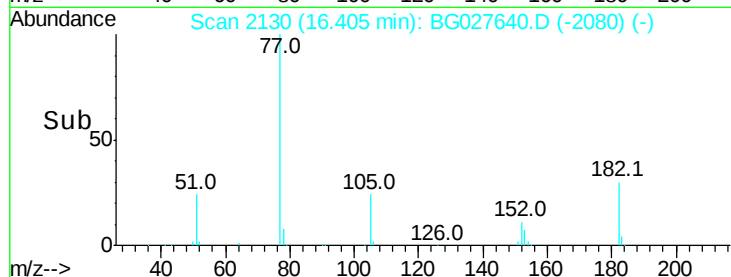


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.84 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

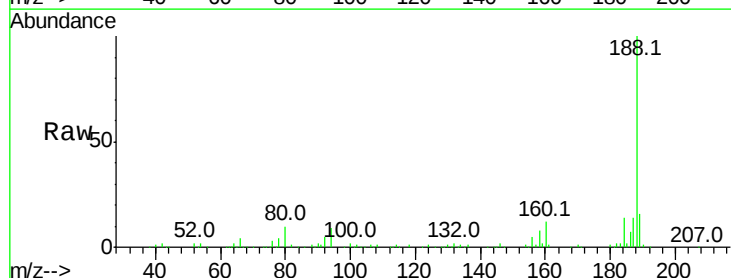
Tgt Ion: 188 Resp: 160359

Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.8

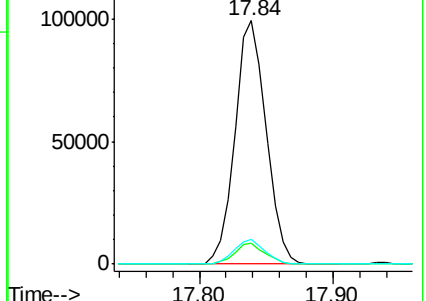
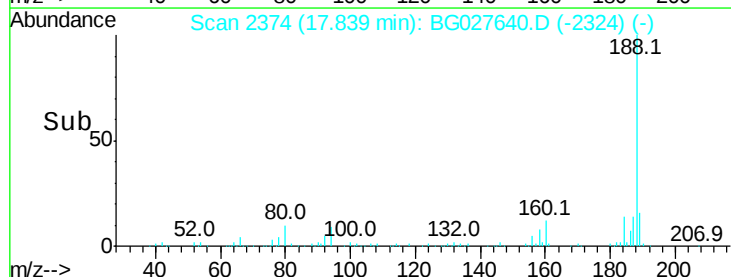
80 10.0 7.5 11.3

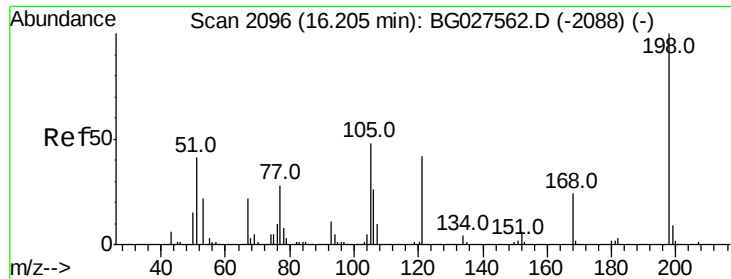


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

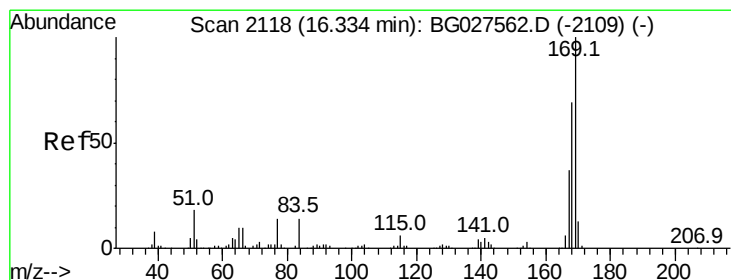
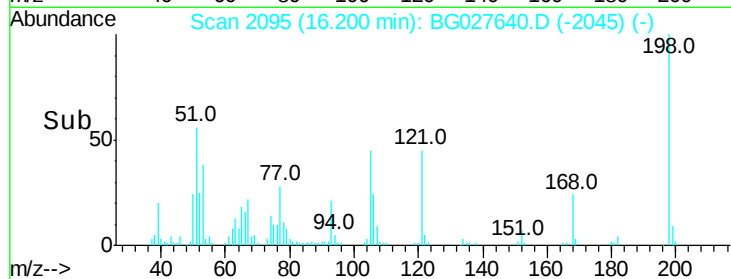
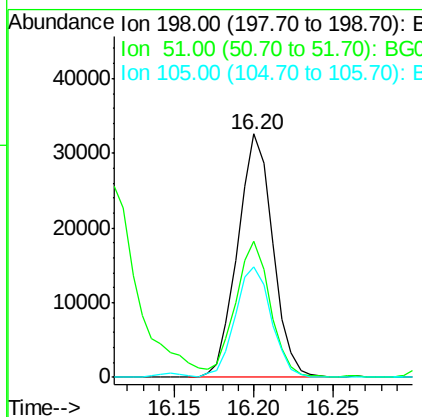
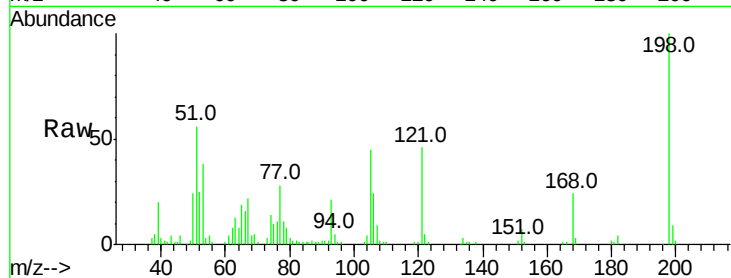




#64  
4,6-Dinitro-2-methylphenol  
Concen: 49.30 ng  
RT: 16.20 min Scan# 2095  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

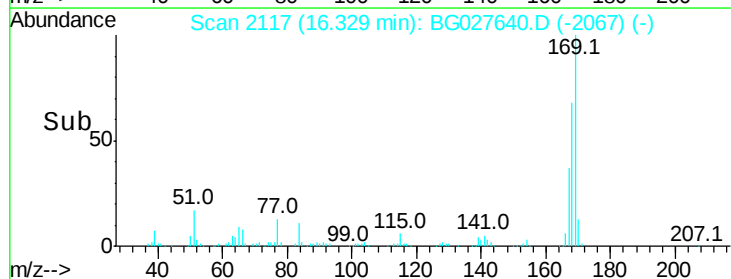
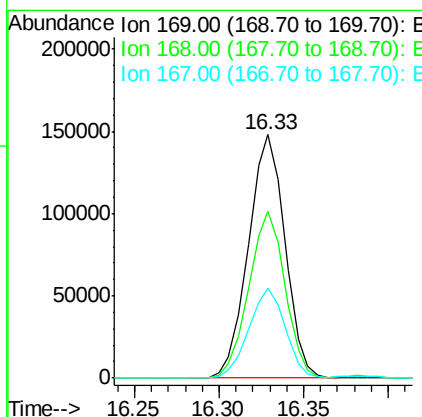
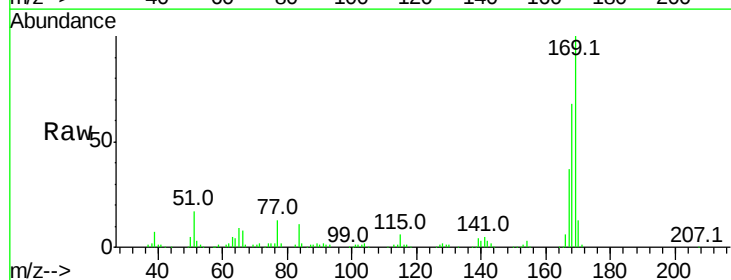
Instrument :  
BNA\_G  
ClientSampled :

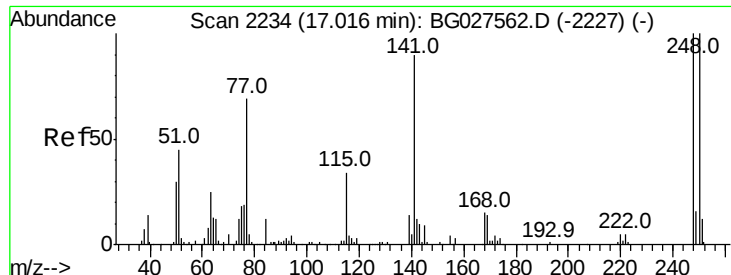
Tot Ion:198 Resp: 50202  
Ion Ratio Lower Upper  
198 100  
51 55.8 22.6 62.6  
105 45.4 14.4 54.4



#65  
n-Nitrosodiphenylamine  
Concen: 45.46 ng  
RT: 16.33 min Scan# 2117  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:169 Resp: 223491  
Ion Ratio Lower Upper  
169 100  
168 68.4 55.7 83.5  
167 37.0 29.8 44.6

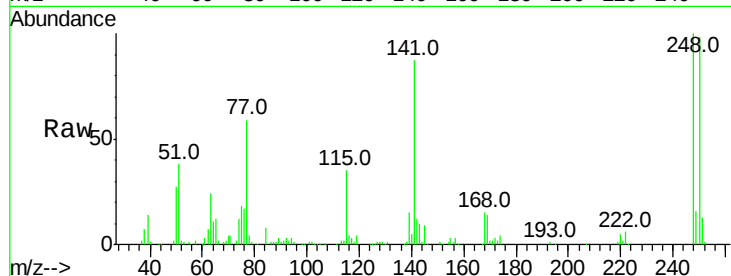




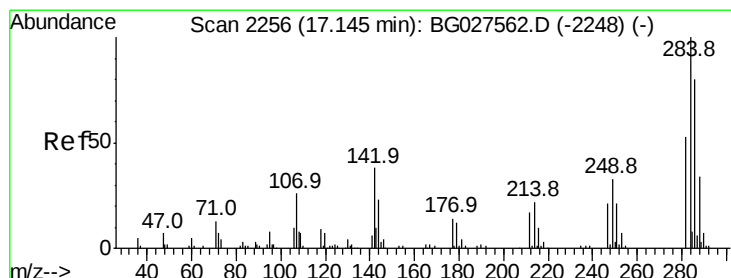
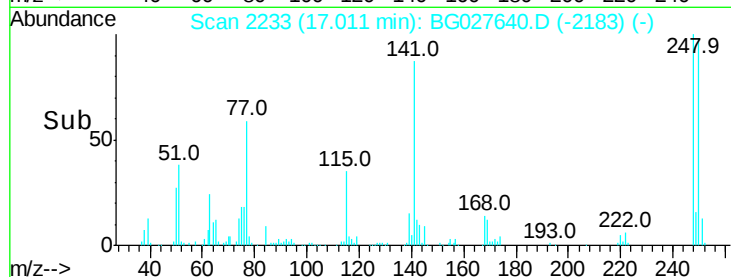
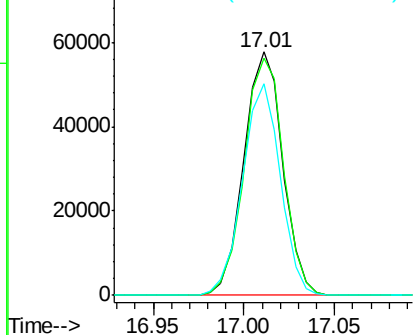
#66  
4-Bromophenyl-phenylether  
Concen: 48.69 ng  
RT: 17.01 min Scan# 2233  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 85873  
Ion Ratio Lower Upper  
248 100  
250 97.6 75.0 112.6  
141 86.7 55.2 82.8#

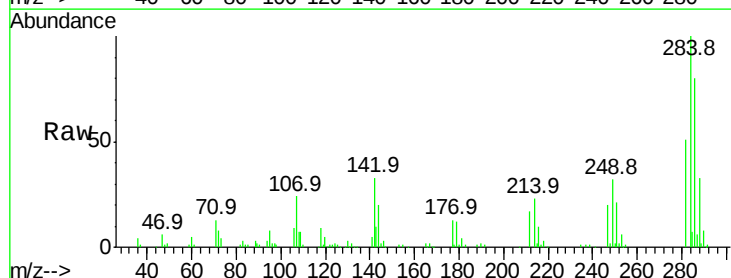


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

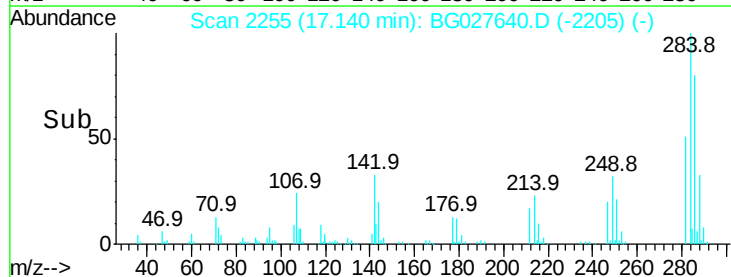
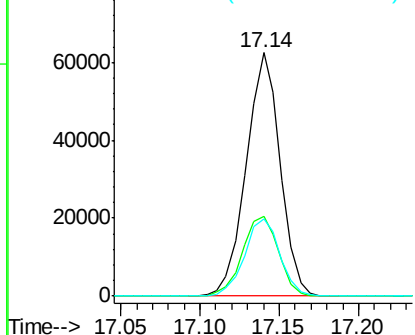


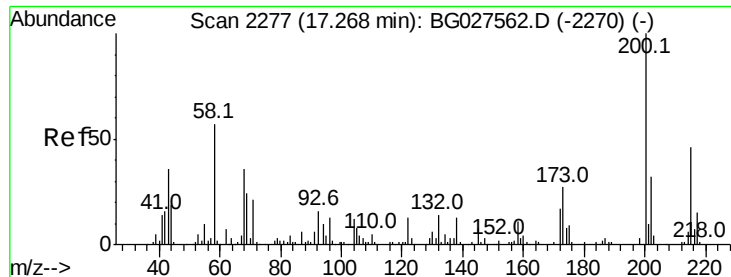
#67  
Hexachlorobenzene  
Concen: 49.21 ng  
RT: 17.14 min Scan# 2255  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:284 Resp: 92753  
Ion Ratio Lower Upper  
284 100  
142 32.9 29.9 44.9  
249 31.7 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

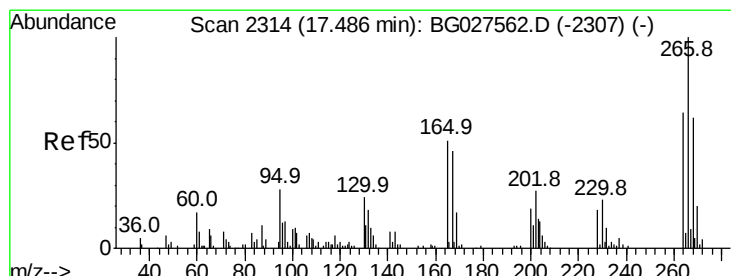
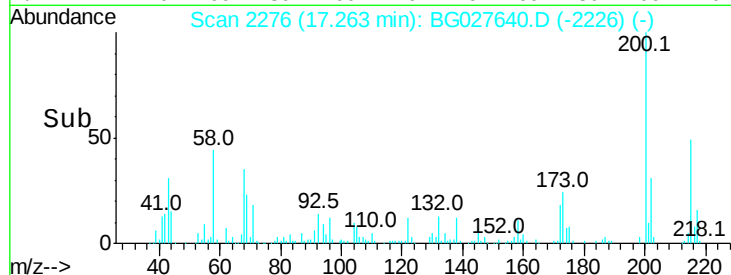
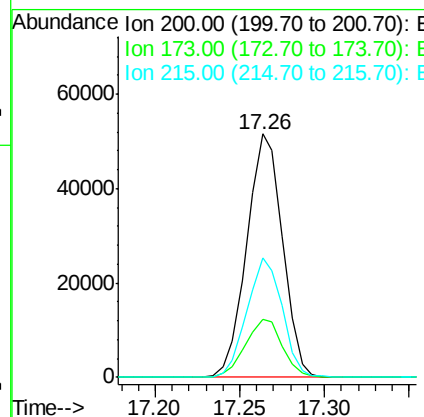
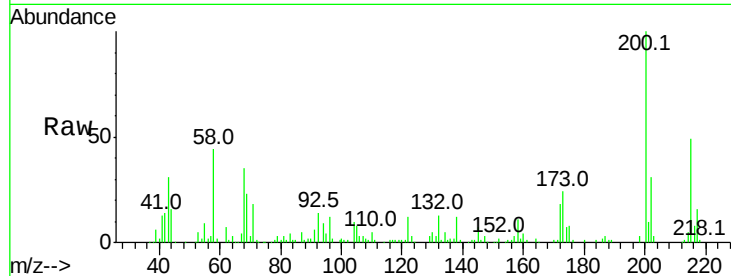




#68  
 Atrazine  
 Concen: 42.27 ng  
 RT: 17.26 min Scan# 2276  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

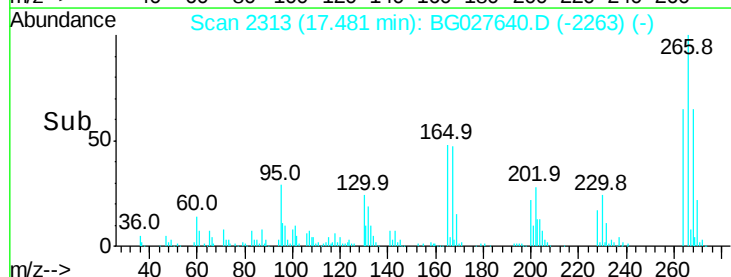
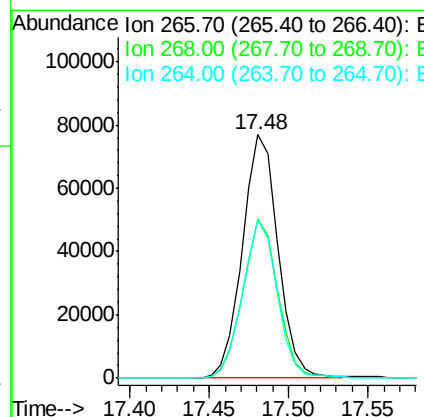
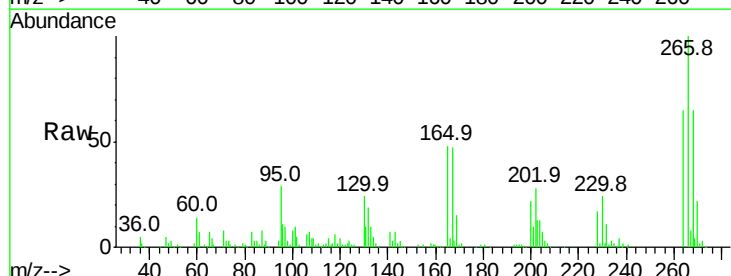
Instrument :  
 BNA\_G  
 ClientSampleId :

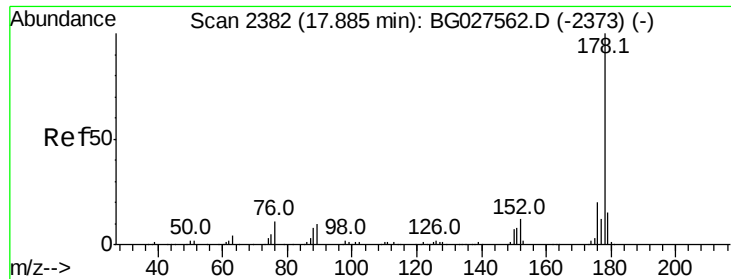
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.7  | 3.0   | 43.0  |
| 215     | 49.0  | 28.4  | 68.4  |



#69  
 Pentachlorophenol  
 Concen: 102.46 ng  
 RT: 17.48 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.3  | 48.6  | 72.8  |
| 264     | 64.8  | 50.1  | 75.1  |





#70

Phenanthrene

Concen: 45.80 ng

RT: 17.88 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

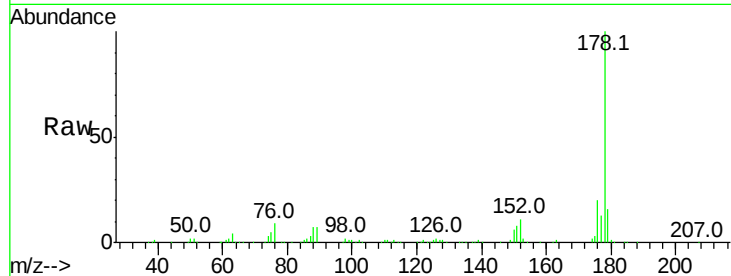
Tot Ion:178 Resp: 417789

Ion Ratio Lower Upper

178 100

176 19.6 17.7 26.5

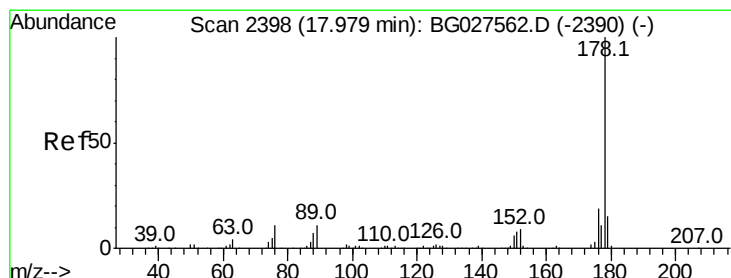
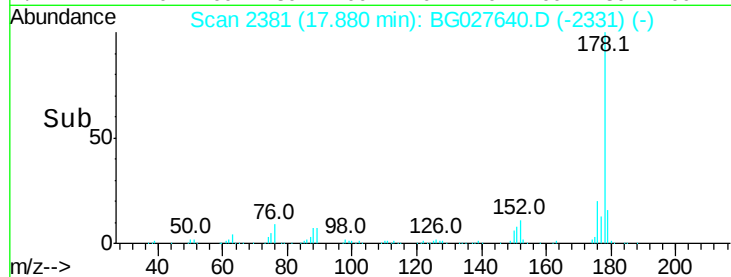
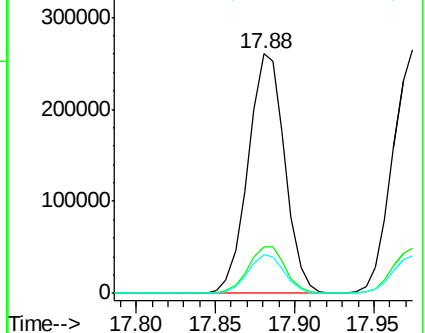
179 16.2 15.0 22.6



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: 46.62 ng

RT: 17.97 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

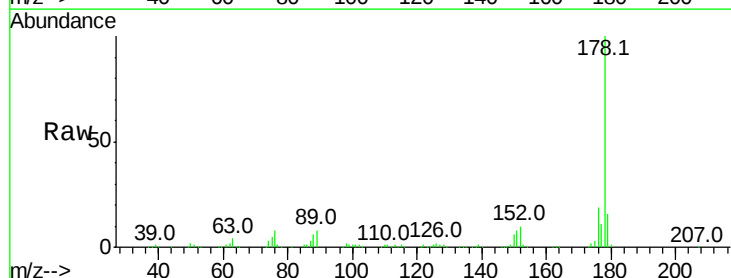
Tgt Ion:178 Resp: 428215

Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

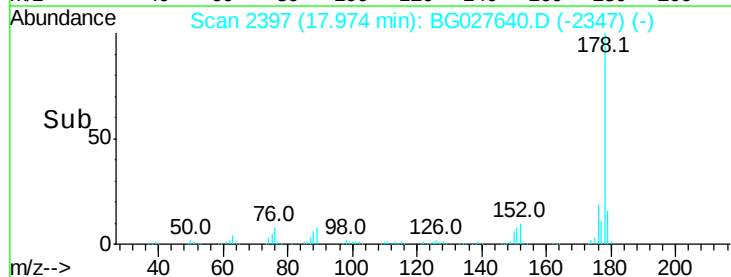
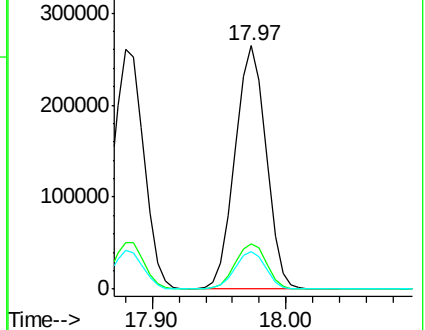
179 15.7 13.8 20.8

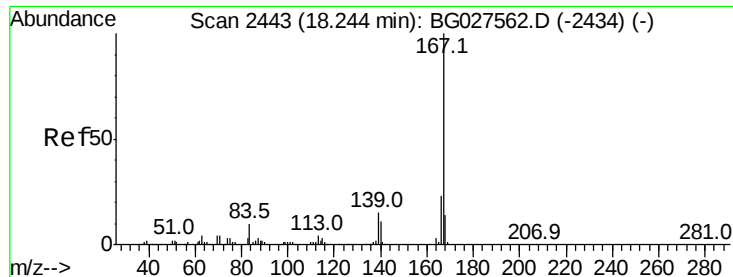


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 42.23 ng

RT: 18.24 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampleId :

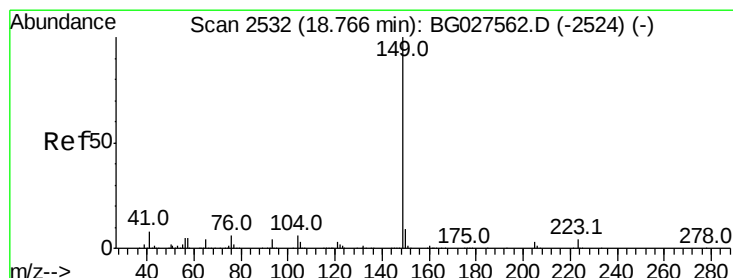
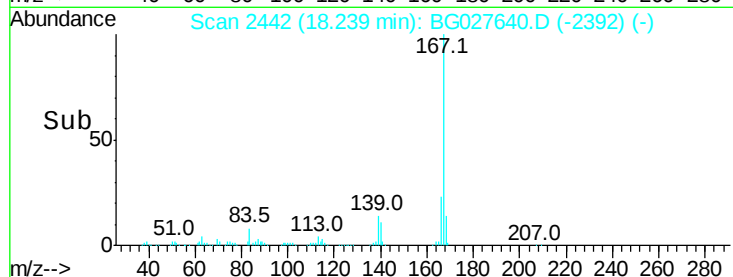
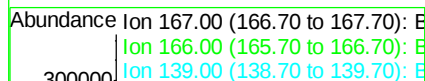
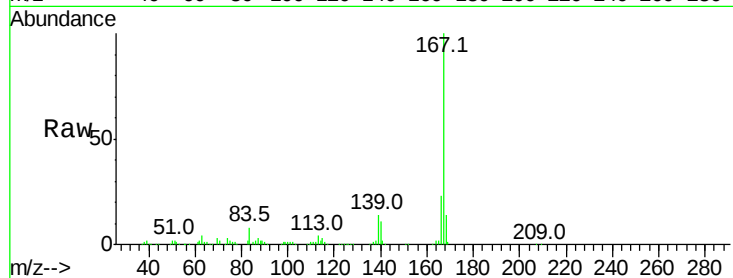
Tot Ion:167 Resp: 377899

Ion Ratio Lower Upper

167 100

166 22.7 20.2 30.2

139 13.7 12.8 19.2



#73

Di-n-butylphthalate

Concen: 47.77 ng

RT: 18.76 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

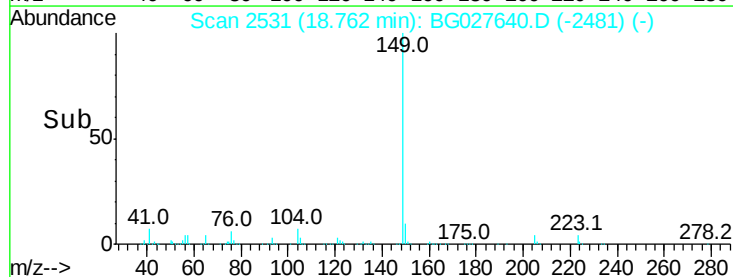
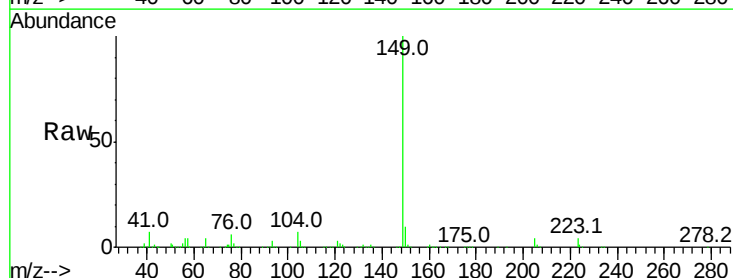
Tgt Ion:149 Resp: 478894

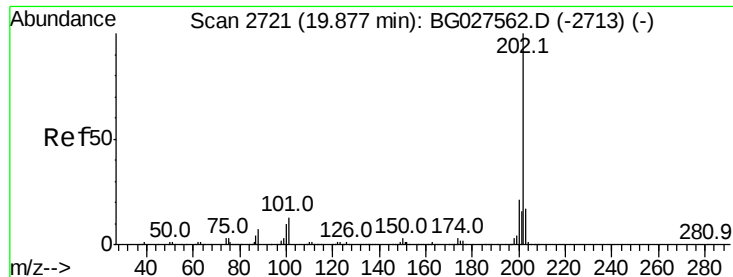
Ion Ratio Lower Upper

149 100

150 9.6 9.1 13.7

104 6.5 6.7 10.1#

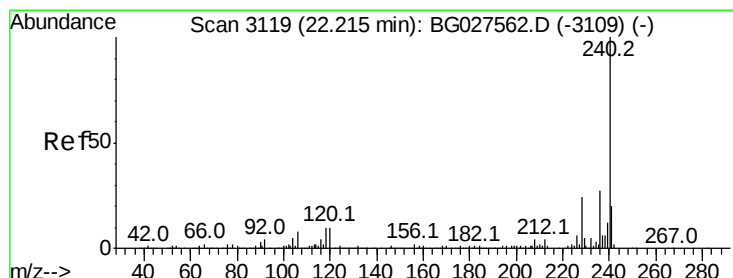
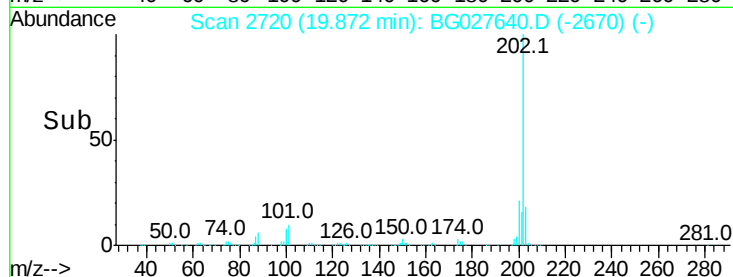
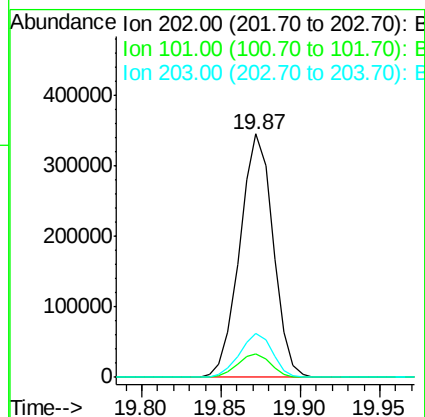
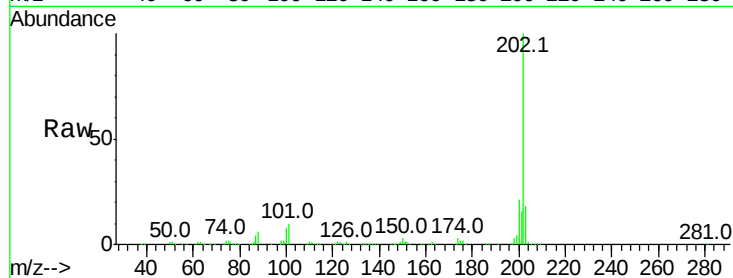




#74  
Fluoranthene  
Concen: 47.61 ng  
RT: 19.87 min Scan# 2720  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

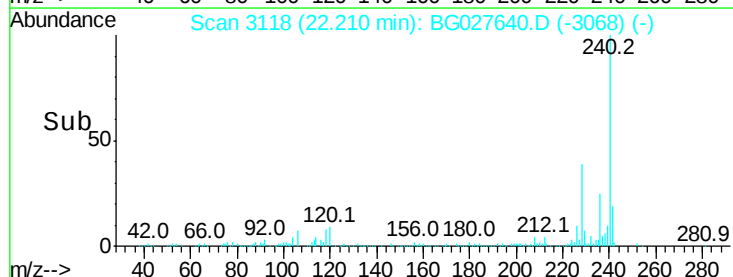
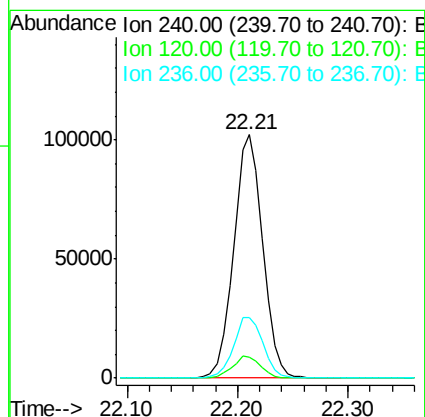
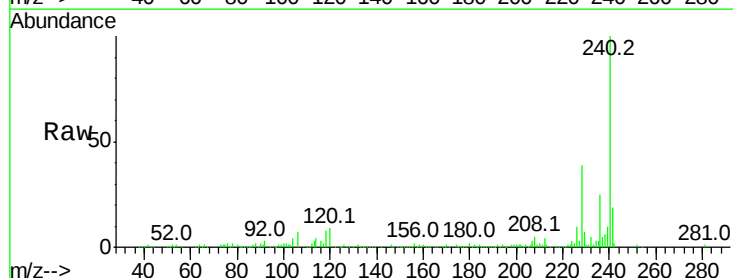
Instrument :  
BNA\_G  
ClientSampleId :

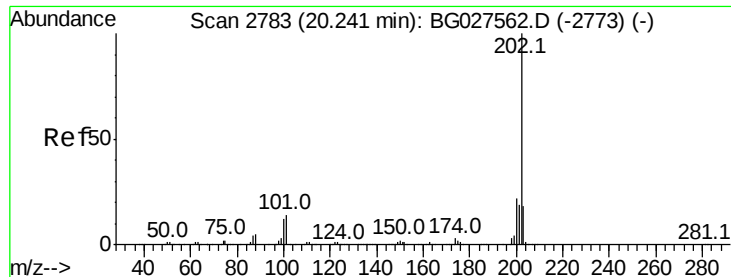
Tot Ion:202 Resp: 505962  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 30.1  
203 17.9 1.3 41.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.21 min Scan# 3118  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:240 Resp: 187619  
Ion Ratio Lower Upper  
240 100  
120 8.5 5.7 8.5#  
236 24.9 22.2 33.4

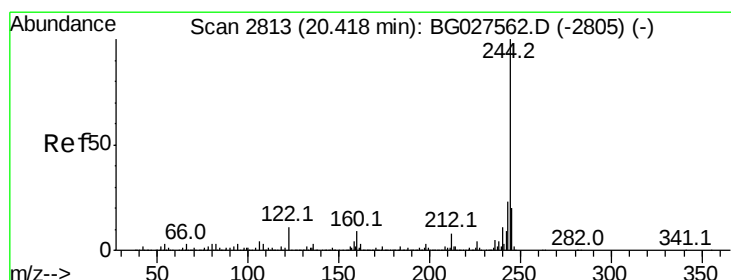
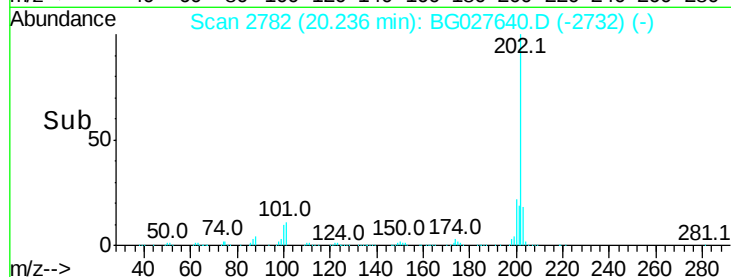
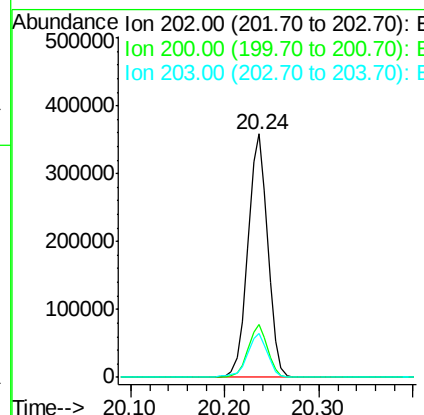
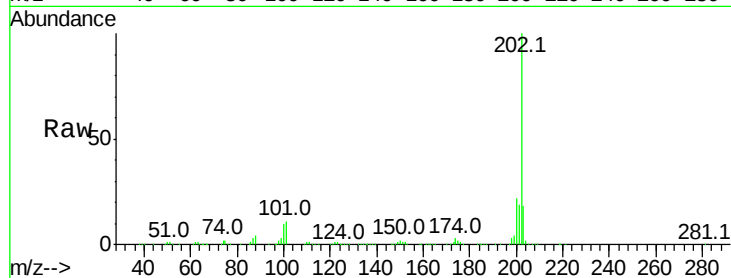




#77  
Pvrene  
Concen: 45.77 ng  
RT: 20.24 min Scan# 2782  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

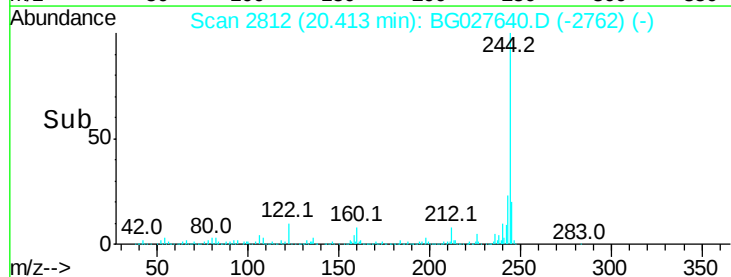
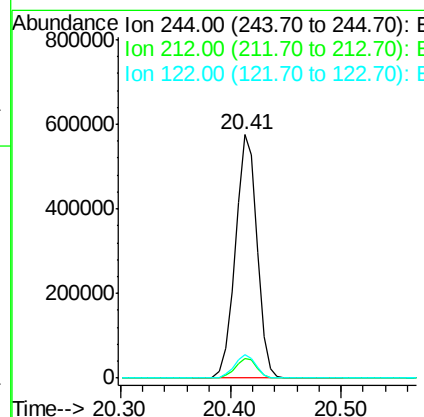
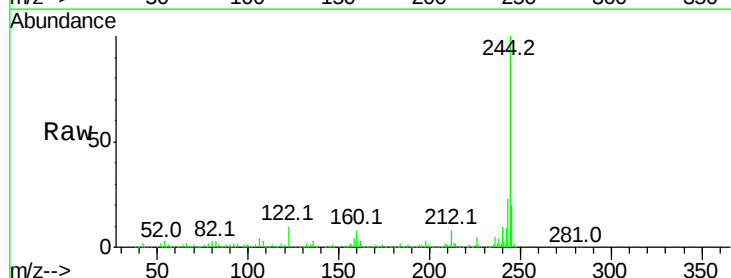
Instrument :  
BNA\_G  
ClientSampled :

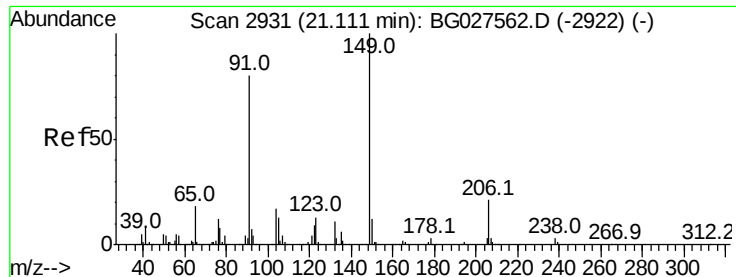
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 19.6  | 29.4  |
| 203     | 18.2  | 15.8  | 23.8  |



#78  
Terphenyl-d14  
Concen: 99.16 ng  
RT: 20.41 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.2   | 10.0  | 15.0# |
| 122     | 9.8   | 8.6   | 12.8  |

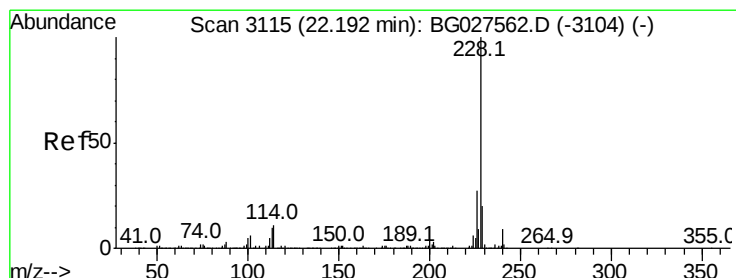
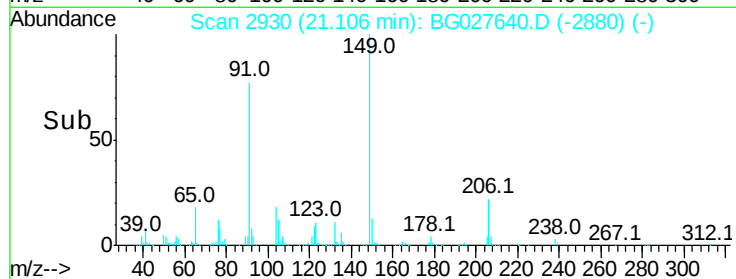
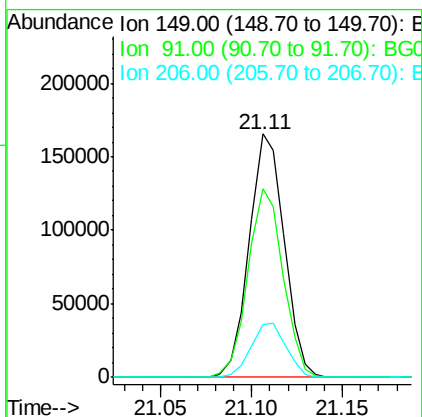
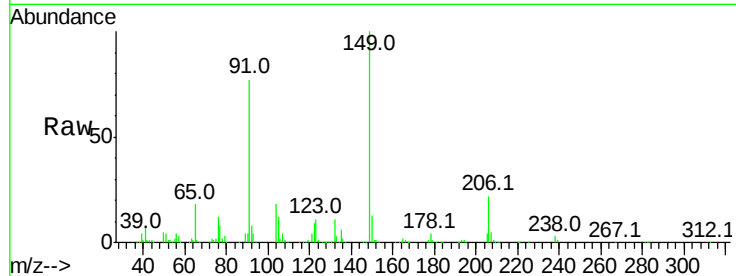




#79  
Butylbenzylphthalate  
Concen: 46.62 ng  
RT: 21.11 min Scan# 2930  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

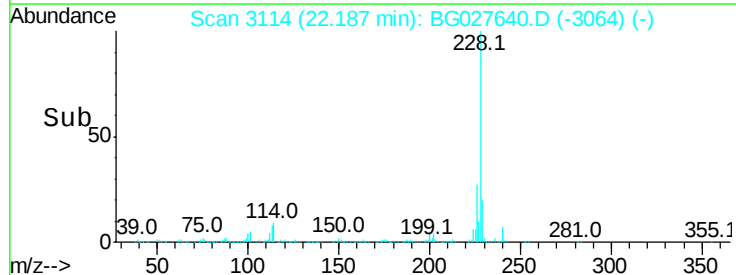
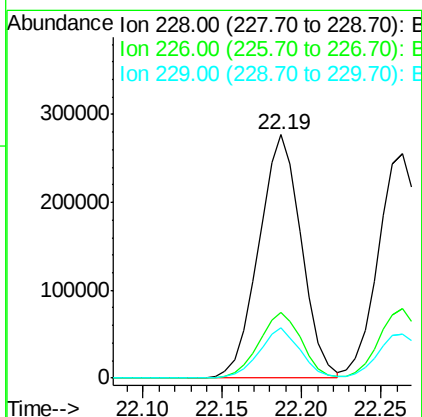
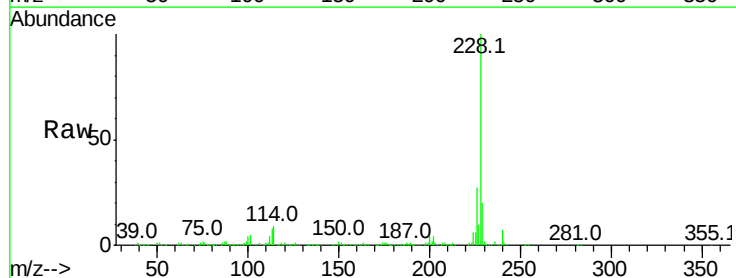
Instrument :  
BNA\_G  
ClientSampleId :

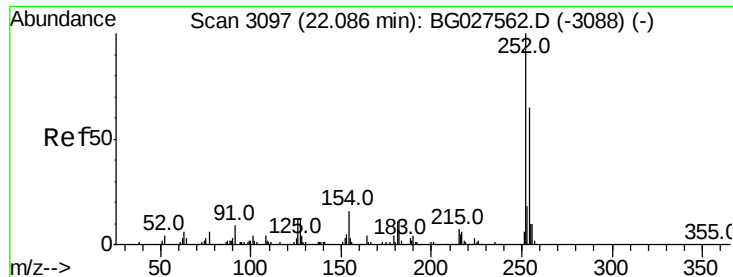
Tot Ion:149 Resp: 221931  
Ion Ratio Lower Upper  
149 100  
91 77.4 63.5 95.3  
206 21.9 21.0 31.6



#80  
Benzo(a)anthracene  
Concen: 45.85 ng  
RT: 22.19 min Scan# 3114  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:228 Resp: 516094  
Ion Ratio Lower Upper  
228 100  
226 27.2 24.9 37.3  
229 20.5 18.2 27.2

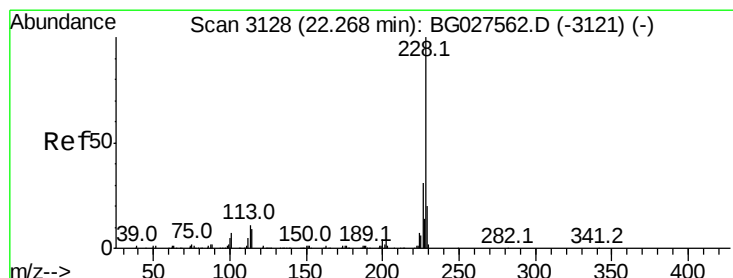
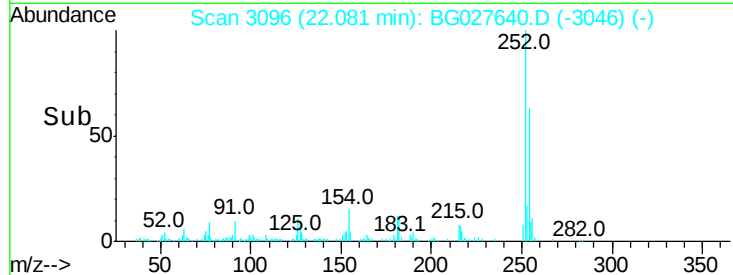
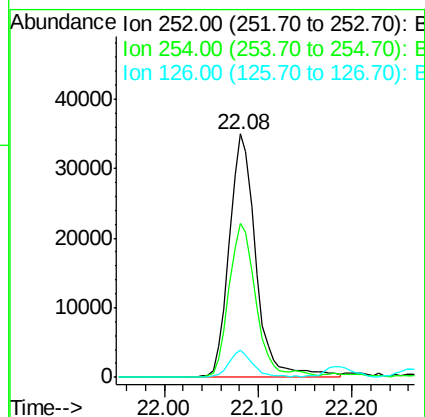
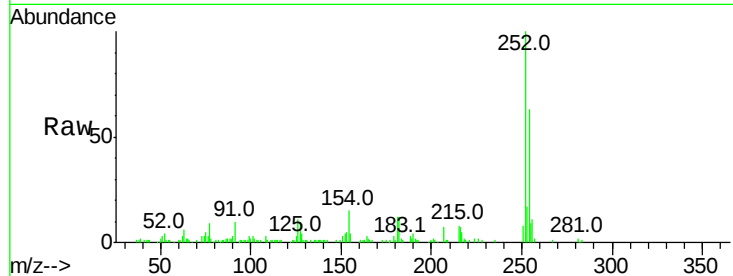




#81  
 3,3'-Dichlorobenzidine  
 Concen: 16.96 ng  
 RT: 22.08 min Scan# 3096  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

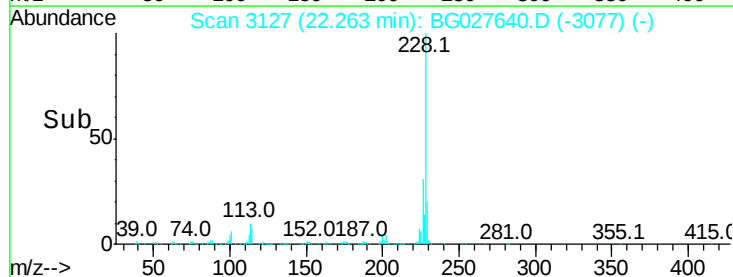
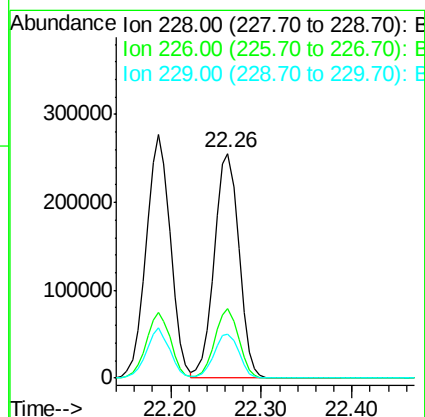
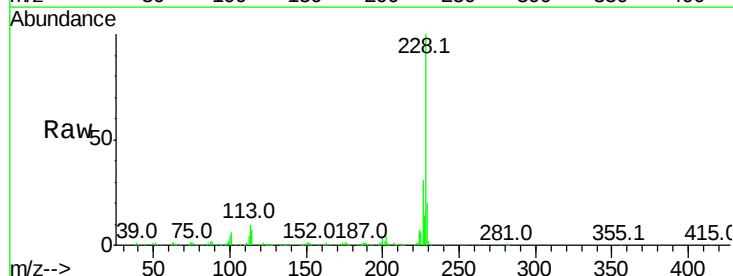
Instrument :  
 BNA\_G  
 ClientSampleId :

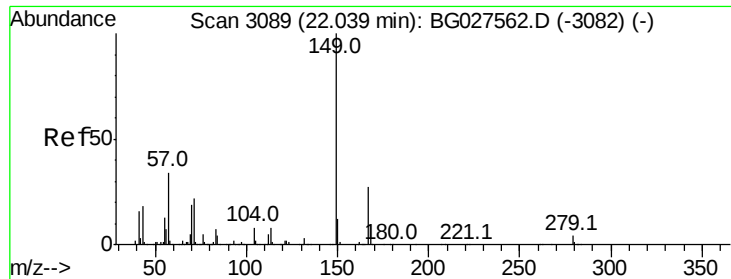
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.3  | 53.1  | 79.7  |
| 126     | 11.4  | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 45.36 ng  
 RT: 22.26 min Scan# 3127  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 27.0  | 40.4  |
| 229     | 19.5  | 17.8  | 26.6  |

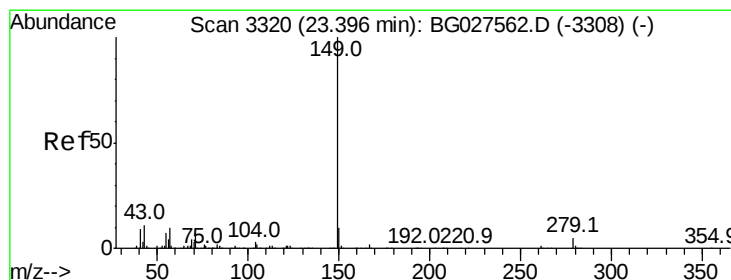
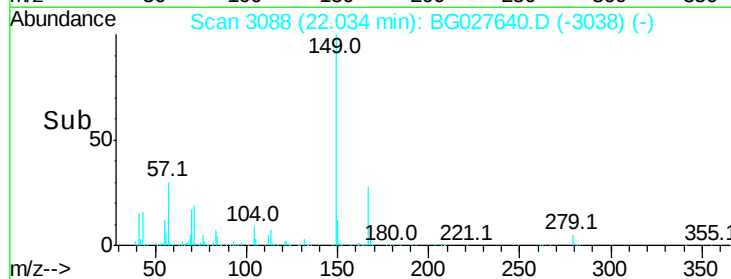
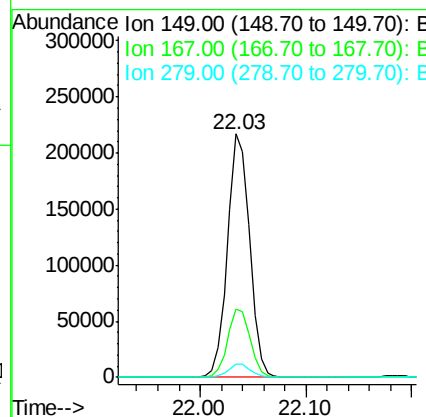
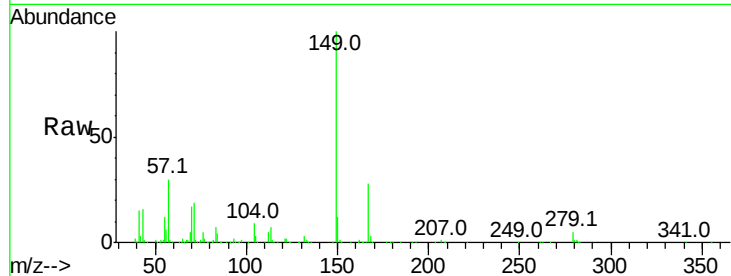




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.04 ng  
 RT: 22.03 min Scan# 3088  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

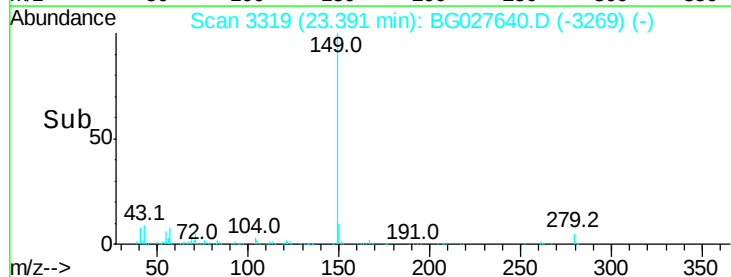
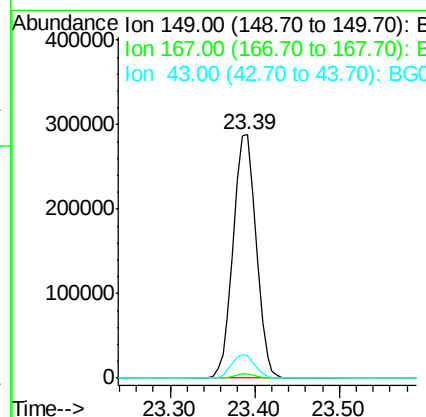
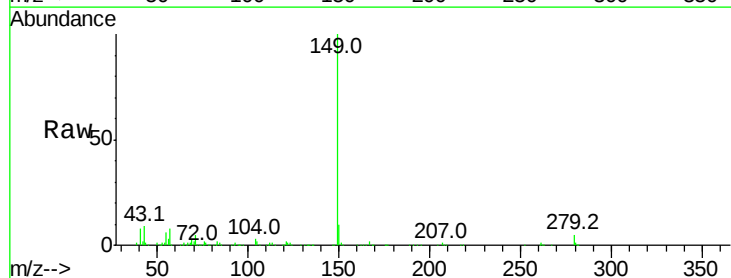
Instrument :  
 BNA\_G  
 ClientSampleId :

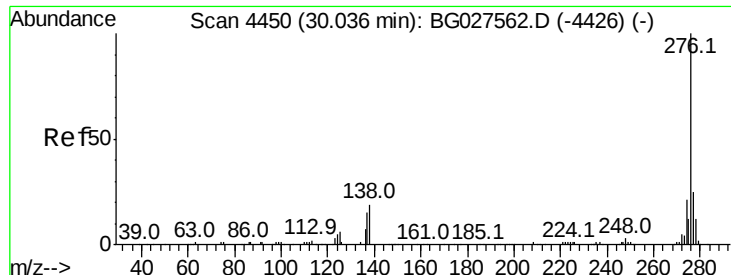
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 23.7  | 35.5  |
| 279     | 5.2   | 4.6   | 6.8   |



#84  
 Di-n-octyl phthalate  
 Concen: 46.37 ng  
 RT: 23.39 min Scan# 3319  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.4   | 2.2   |
| 43      | 9.9   | 11.8  | 17.6# |

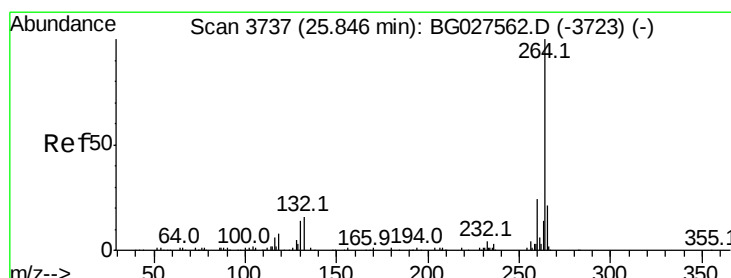
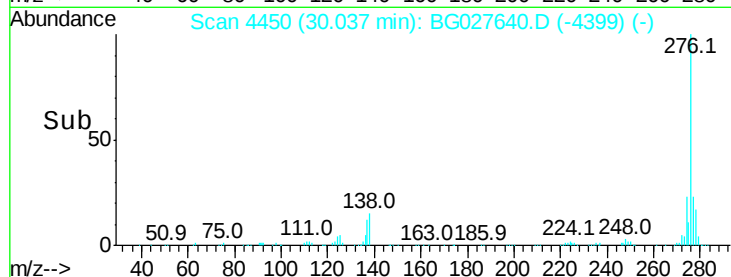
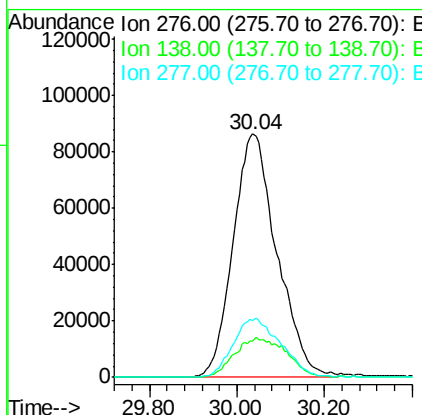
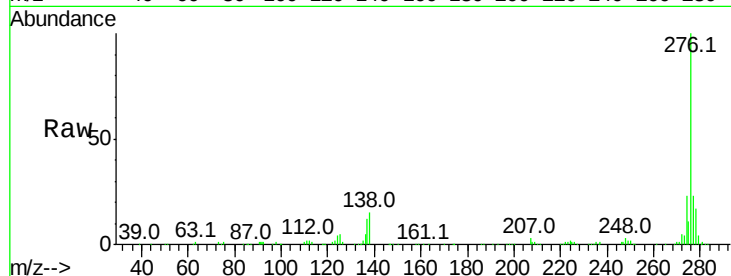




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.39 ng  
 RT: 30.04 min Scan# 4450  
 Delta R.T. 0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

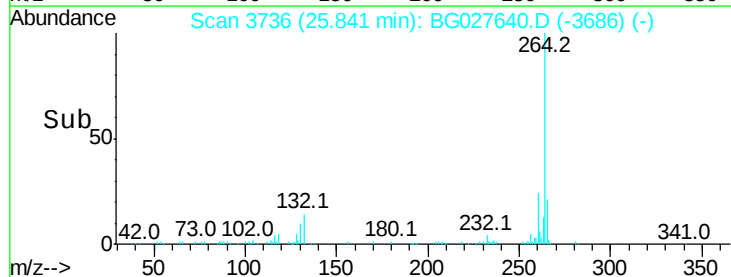
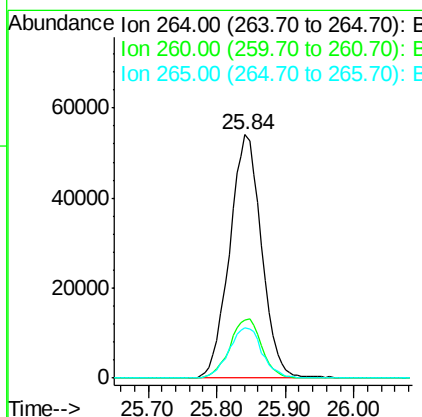
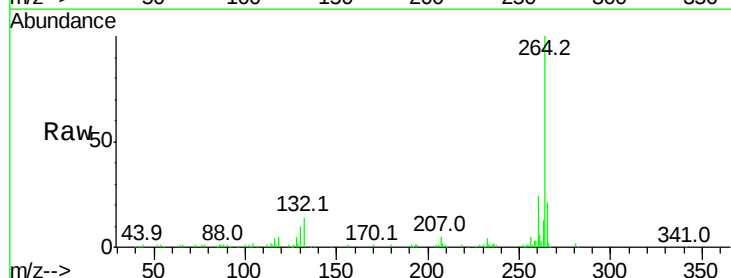
Instrument :  
 BNA\_G  
 ClientSampled :

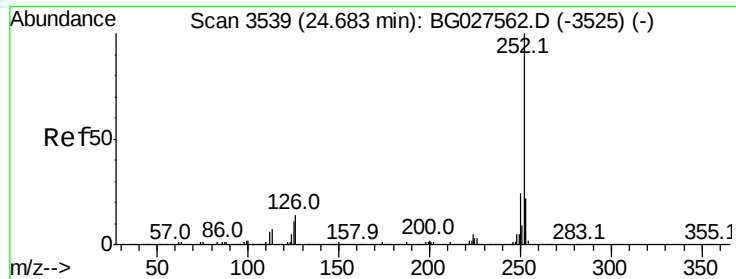
Tot Ion:276 Resp: 588176  
 Ion Ratio Lower Upper  
 276 100  
 138 19.3 4.7 7.1#  
 277 26.4 20.6 31.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.84 min Scan# 3736  
 Delta R.T. -0.00 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Tgt Ion:264 Resp: 174288  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 21.8 32.8  
 265 20.7 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 44.82 ng

RT: 24.76 min Scan# 3552

Delta R.T. 0.08 min

Lab File: BG027640.D

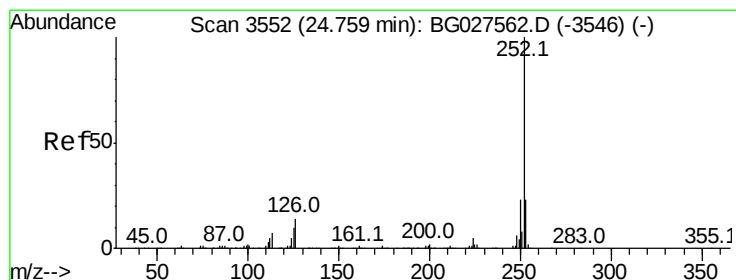
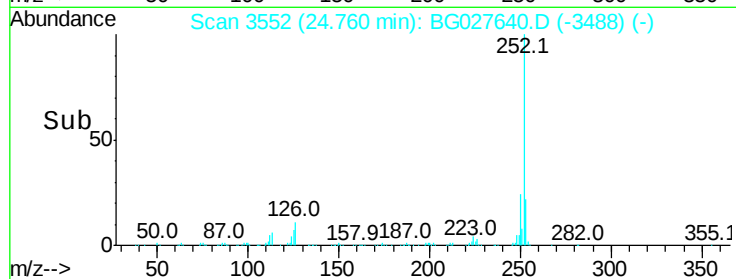
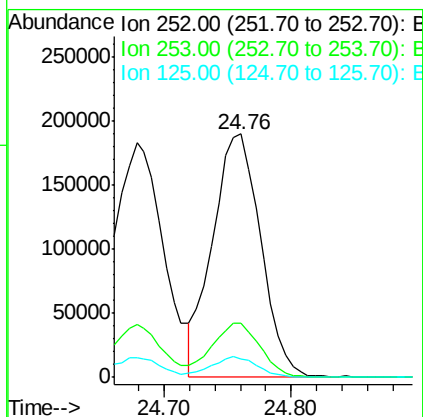
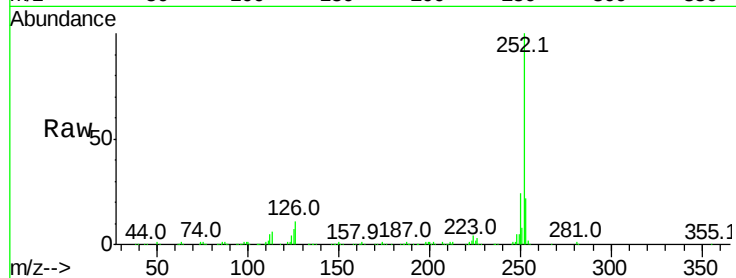
Acq: 23 Jun 2017 21:11

Instrument :

BNA\_G

ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 499412    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.2  | 18.7 28.1 |
| 125         | 7.4   | 5.3 7.9   |



#88

Benzo(k)fluoranthene

Concen: 45.81 ng

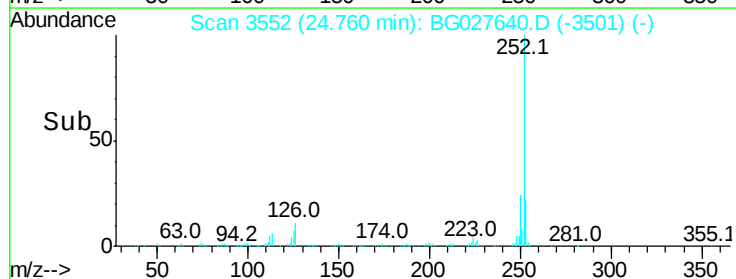
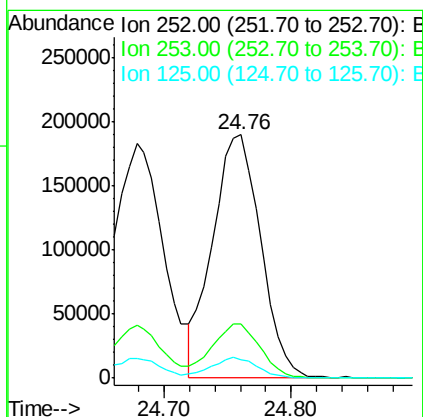
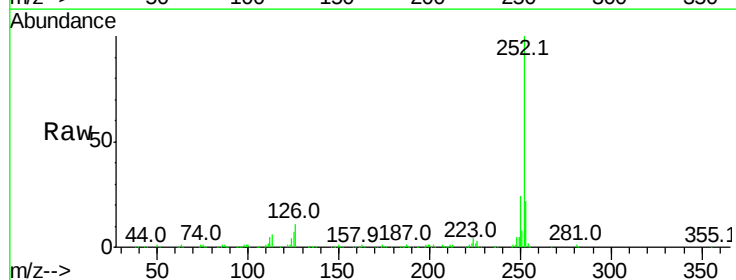
RT: 24.76 min Scan# 3552

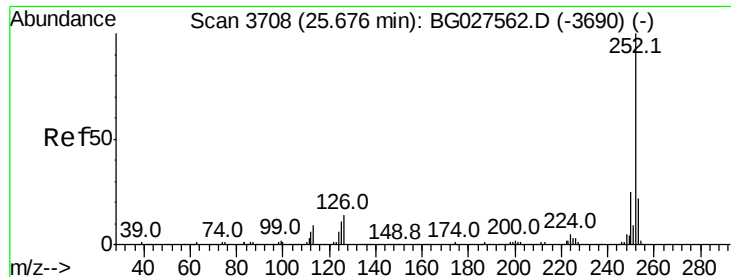
Delta R.T. 0.00 min

Lab File: BG027640.D

Acq: 23 Jun 2017 21:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 499412    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.2  | 20.2 30.2 |
| 125         | 7.4   | 5.1 7.7   |

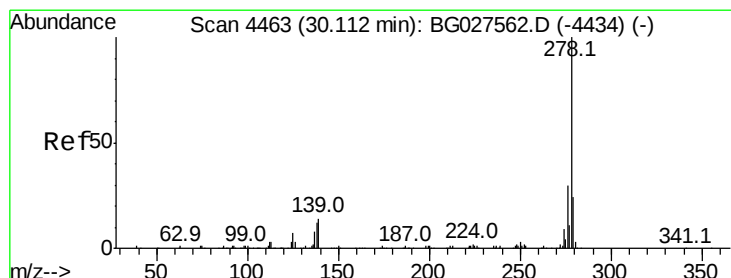
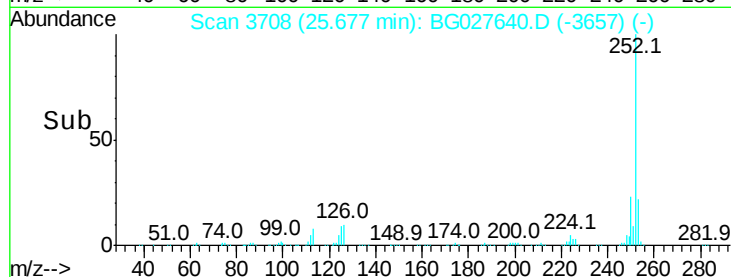
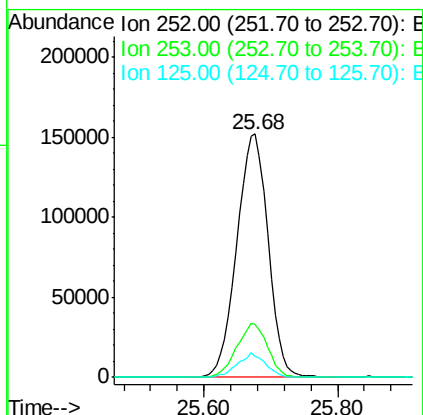
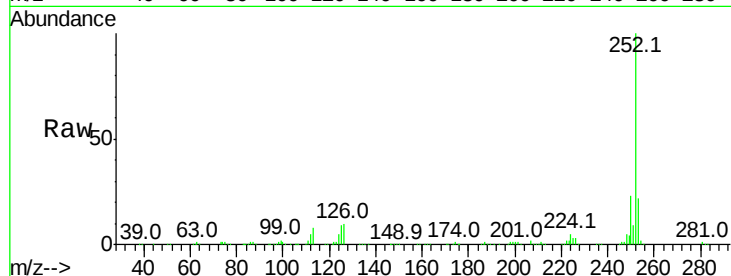




#89  
Benzo(a)pyrene  
Concen: 46.86 ng  
RT: 25.68 min Scan# 3708  
Delta R.T. 0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

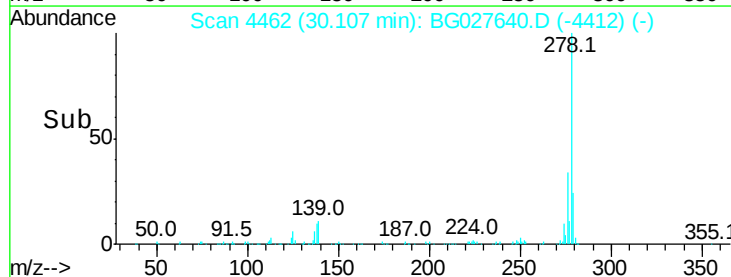
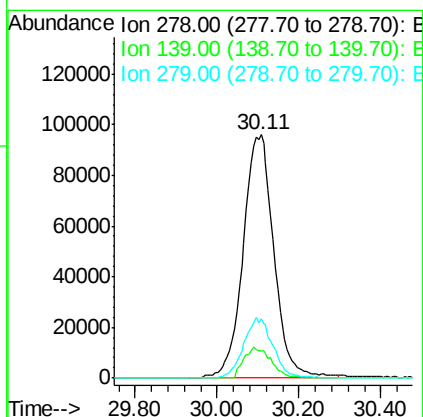
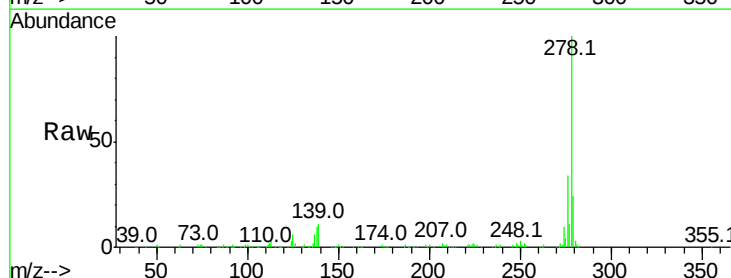
Instrument :  
BNA\_G  
ClientSampleId :

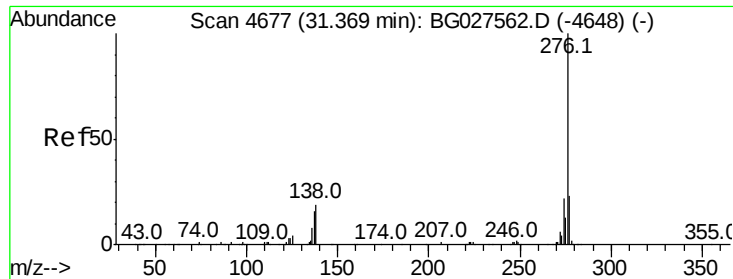
Tot Ion:252 Resp: 492806  
Ion Ratio Lower Upper  
252 100  
253 21.6 19.2 28.8  
125 8.7 5.4 8.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 46.71 ng  
RT: 30.11 min Scan# 4462  
Delta R.T. -0.00 min  
Lab File: BG027640.D  
Acq: 23 Jun 2017 21:11

Tgt Ion:278 Resp: 500381  
Ion Ratio Lower Upper  
278 100  
139 11.1 7.7 11.5  
279 24.1 19.1 28.7





#91  
 Benzo(a,h,i)perylene  
 Concen: 45.70 ng  
 RT: 31.35 min Scan# 4673  
 Delta R.T. -0.02 min  
 Lab File: BG027640.D  
 Acq: 23 Jun 2017 21:11

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.3  | 18.6  | 27.8  |
| 138     | 16.8  | 8.1   | 12.1  |

