

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\  
 Data File : BG036549.D  
 Acq On : 5 Sep 2018 3:35  
 Operator : JU/SJ  
 Sample : J4523-04MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 05 06:46:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 63380    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.87 | 136  | 255169   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.68 | 164  | 169102   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.42 | 188  | 443327   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.70 | 240  | 450527   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.90 | 264  | 468450   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.63  | 112 | 391334  | 97.94  | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 508791  | 88.94  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.22  | 82  | 367868  | 78.22  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 256710  | 127.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.31 | 172 | 826936  | 69.82  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.03 | 244 | 1481845 | 76.88  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.55  | 88  | 60625  | 32.513 | ng | 97     |
| 3) Pyridine                    | 3.94  | 79  | 136836 | 26.144 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 89946  | 38.583 | ng | 95     |
| 6) Aniline                     | 7.38  | 93  | 163002 | 22.448 | ng | 98     |
| 8) 2-Chlorophenol              | 7.62  | 128 | 183865 | 42.435 | ng | 97     |
| 9) Benzaldehyde                | 7.19  | 77  | 74703  | 18.963 | ng | 97     |
| 10) Phenol                     | 7.24  | 94  | 220495 | 36.832 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 185584 | 39.103 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 186480 | 37.692 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146 | 187637 | 37.564 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.41  | 146 | 181318 | 38.009 | ng | 98     |
| 15) Benzyl Alcohol             | 8.29  | 79  | 184069 | 39.915 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59  | 45  | 339665 | 35.488 | ng | 99     |
| 17) 2-Methylphenol             | 8.49  | 107 | 163875 | 41.226 | ng | 99     |
| 18) Hexachloroethane           | 9.15  | 117 | 68629  | 38.321 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 155811 | 36.444 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.82  | 107 | 228962 | 41.257 | ng | 99     |
| 22) Acetophenone               | 8.88  | 105 | 294168 | 43.902 | ng | # 97   |
| 24) Nitrobenzene               | 9.26  | 77  | 237412 | 46.814 | ng | 98     |
| 25) Isophorone                 | 9.79  | 82  | 443146 | 47.432 | ng | 98     |
| 26) 2-Nitrophenol              | 9.97  | 139 | 99681  | 49.602 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.03 | 122 | 188465 | 50.655 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 255004 | 44.473 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 201789 | 49.488 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 203229 | 42.605 | ng | 99     |
| 31) Naphthalene                | 10.91 | 128 | 585874 | 45.931 | ng | 99     |
| 32) Benzoic acid               | 10.14 | 122 | 75629  | 29.338 | ng | 99     |
| 33) 4-Chloroaniline            | 11.02 | 127 | 57515  | 9.840  | ng | 96     |
| 34) Hexachlorobutadiene        | 11.20 | 225 | 136440 | 42.572 | ng | 99     |
| 35) Caprolactam                | 11.78 | 113 | 59997  | 36.936 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 12.13 | 107 | 226170 | 47.736 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.52 | 142 | 456601 | 48.922 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 261230 | 43.652 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.86 | 237 | 303599 | 97.506 | ng | 100    |

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 Sample : J4523-04MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

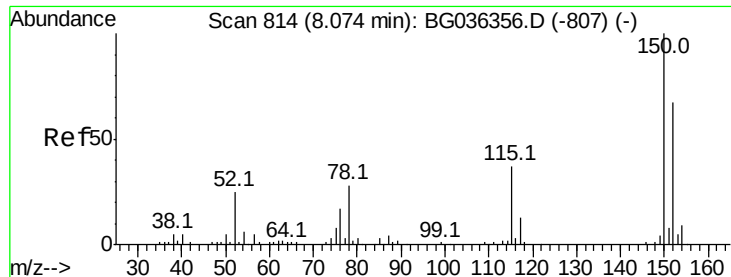
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 05 06:46:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.12 | 196  | 175720   | 48.204 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.19 | 196  | 188829   | 48.565 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.52 | 154  | 587859   | 41.880 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.56 | 162  | 453570   | 42.327 | ng    | 100      |
| 47) 2-Nitroaniline             | 13.76 | 65   | 158158   | 47.001 | ng    | 98       |
| 48) Acenaphthylene             | 14.40 | 152  | 765564   | 45.713 | ng    | 99       |
| 49) Dimethylphthalate          | 14.14 | 163  | 623041   | 45.121 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.25 | 165  | 137690   | 48.460 | ng    | 97       |
| 51) Acenaphthene               | 14.75 | 154  | 484017   | 45.127 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.58 | 138  | 92690    | 30.272 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 14.79 | 184  | 65448    | 60.812 | ng    | 96       |
| 54) Dibenzofuran               | 15.08 | 168  | 738896   | 43.973 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.89 | 139  | 201309   | 80.411 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 15.04 | 165  | 197031   | 53.207 | ng    | 92       |
| 57) Fluorene                   | 15.73 | 166  | 595022   | 47.368 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 198885   | 54.443 | ng    | 96       |
| 59) Diethylphthalate           | 15.50 | 149  | 621183   | 44.639 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 339091   | 43.715 | ng    | 100      |
| 61) 4-Nitroaniline             | 15.75 | 138  | 143984   | 44.938 | ng    | 96       |
| 62) Azobenzene                 | 16.01 | 77   | 607341   | 42.895 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 70716    | 36.312 | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 15.94 | 169  | 550587   | 41.797 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.62 | 248  | 228740   | 44.069 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.73 | 284  | 228057   | 42.969 | ng    | 98       |
| 68) Atrazine                   | 16.88 | 200  | 210518   | 42.577 | ng    | 97       |
| 69) Pentachlorophenol          | 17.07 | 266  | 260374   | 72.183 | ng    | 99       |
| 70) Phenanthrene               | 17.47 | 178  | 1021381  | 45.341 | ng    | 98       |
| 71) Anthracene                 | 17.56 | 178  | 1037907  | 46.221 | ng    | 98       |
| 72) Carbazole                  | 17.82 | 167  | 933392   | 41.621 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.39 | 149  | 1066160  | 42.693 | ng    | 99       |
| 74) Fluoranthene               | 19.47 | 202  | 1257014  | 45.768 | ng    | 98       |
| 76) Benzidine                  | 19.65 | 184  | 79885    | 5.558  | ng    | 97       |
| 77) Pyrene                     | 19.83 | 202  | 1248381  | 45.060 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.72 | 149  | 502168   | 45.545 | ng    | 94       |
| 80) Benzo(a)anthracene         | 21.67 | 228  | 1253676  | 45.933 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 248777   | 22.871 | ng    | 99       |
| 82) Chrysene                   | 21.74 | 228  | 1161776  | 44.907 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 680734   | 44.121 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.79 | 149  | 1164137  | 45.173 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.56 | 276  | 1392289  | 46.335 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 23.89 | 252  | 1242131  | 47.750 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 23.95 | 252  | 1206807  | 47.487 | ng    | 97       |
| 89) Benzo(a)pyrene             | 24.75 | 252  | 1217511  | 48.707 | ng    | 100      |
| 90) Dibenzo(a,h)anthracene     | 28.62 | 278  | 1124936  | 46.616 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 29.70 | 276  | 1152743  | 47.535 | ng    | 97       |

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



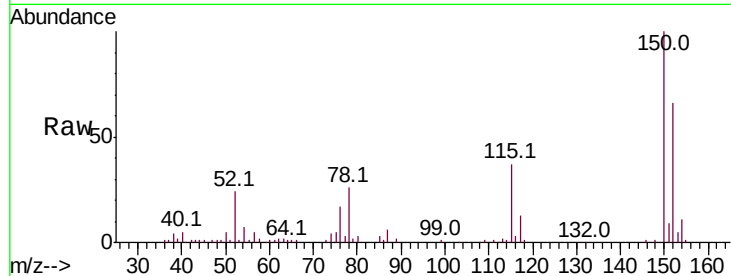


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.4 | 119.5 | 179.3 |
| 115     | 56.8  | 44.5  | 66.7  |

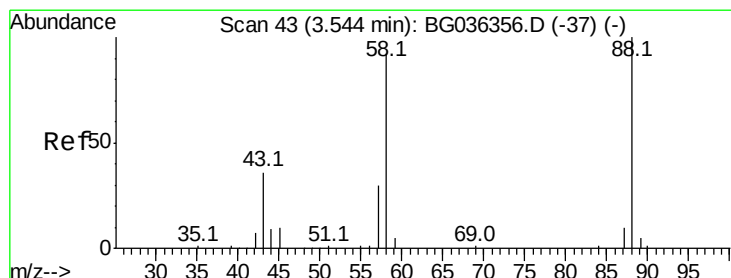
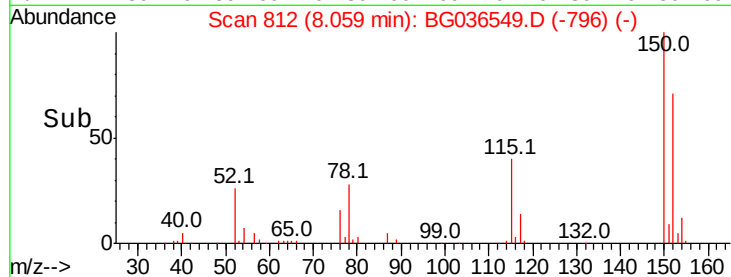
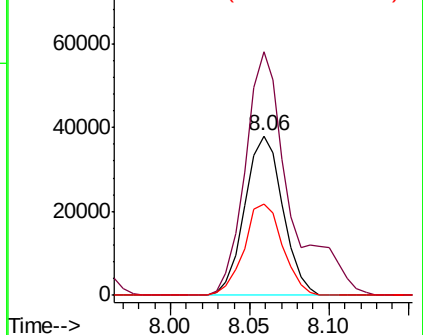


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

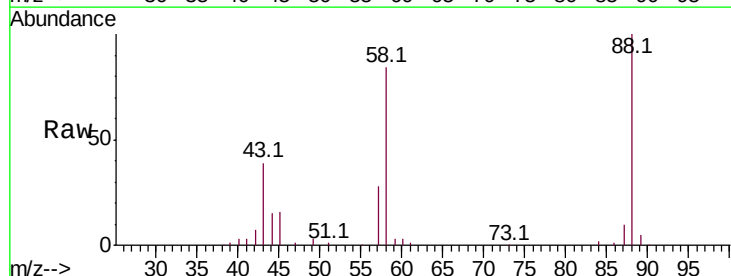
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 32.513 ng  
RT: 3.55 min Scan# 44  
Delta R.T. 0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.7  | 72.6  | 109.0 |
| 43      | 35.3  | 29.0  | 43.4  |

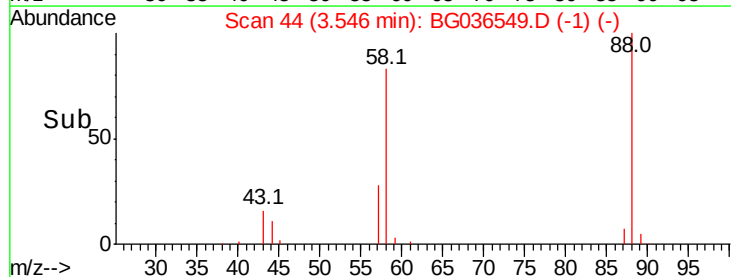
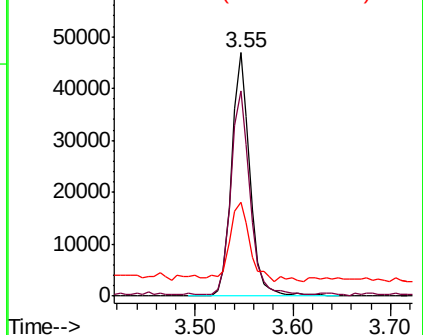


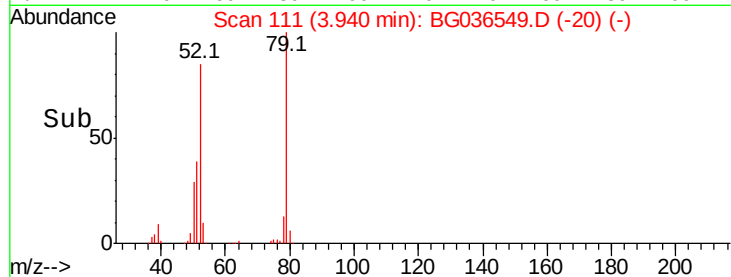
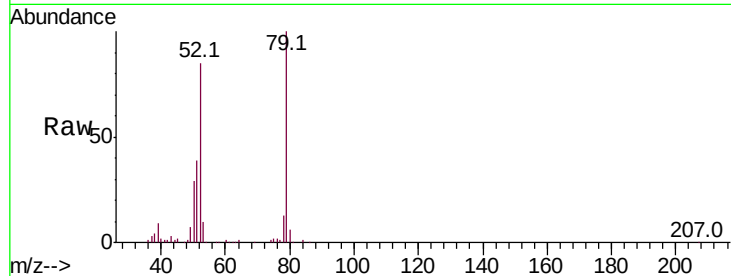
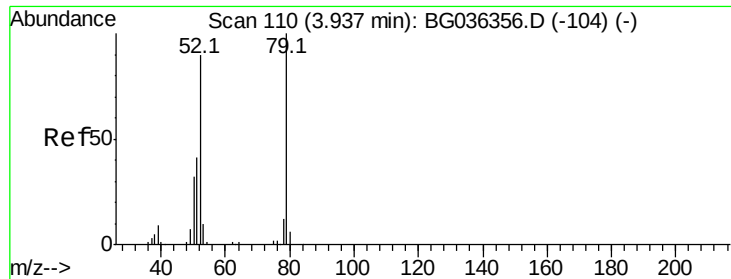
Abundance

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

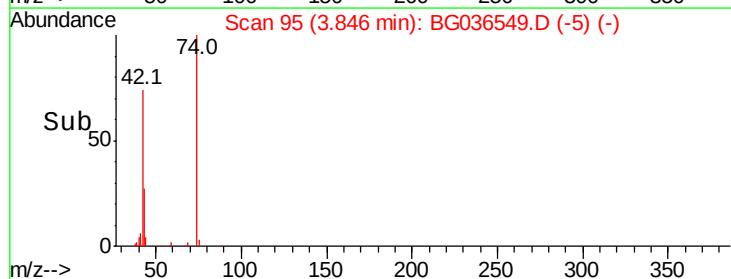
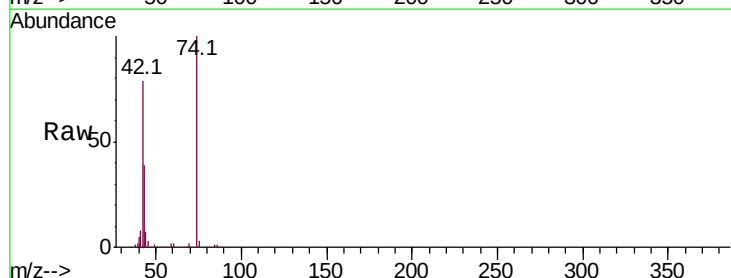
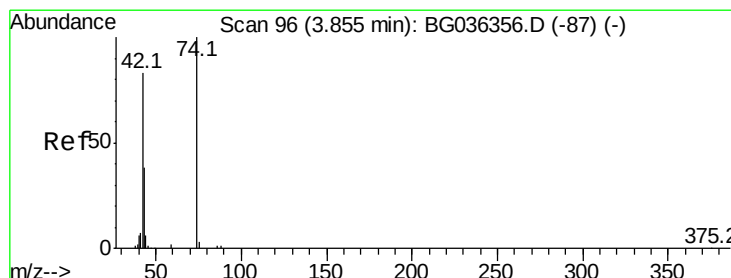
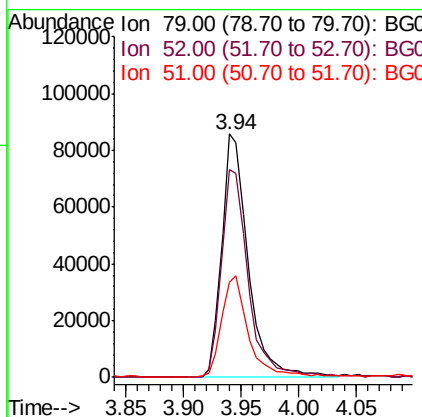




#3  
 Pvridine  
 Concen: 26.144 ng  
 RT: 3.94 min Scan# 111  
 Delta R.T. 0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

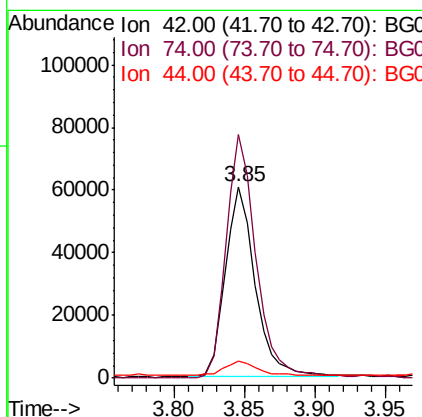
Instrument :  
 BNA\_G  
 ClientSampled :

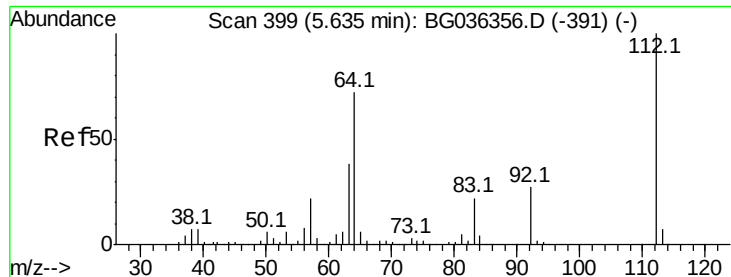
Tot Ion: 79 Resp: 136836  
 Ion Ratio Lower Upper  
 79 100  
 52 85.5 72.3 108.5  
 51 39.3 33.8 50.6



#4  
 n-Nitrosodimethylamine  
 Concen: 38.583 ng  
 RT: 3.85 min Scan# 95  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion: 42 Resp: 89946  
 Ion Ratio Lower Upper  
 42 100  
 74 127.2 96.6 145.0  
 44 8.6 7.0 10.4





#5

2-Fluorophenol

Concen: 97.944 ng

RT: 5.63 min Scan# 398

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

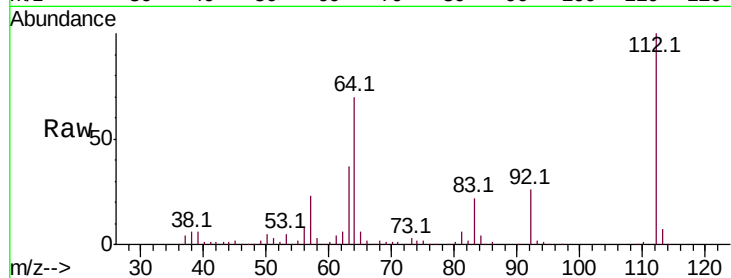
Tot Ion:112 Resp: 391334

Ion Ratio Lower Upper

112 100

64 70.5 57.2 85.8

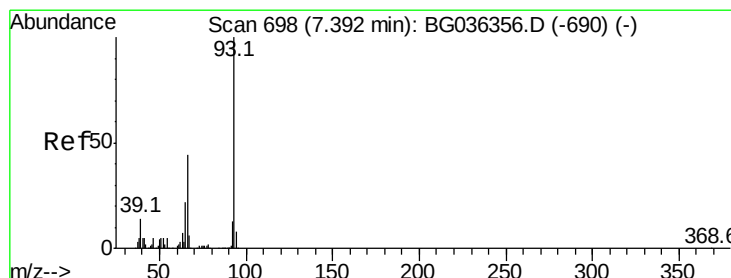
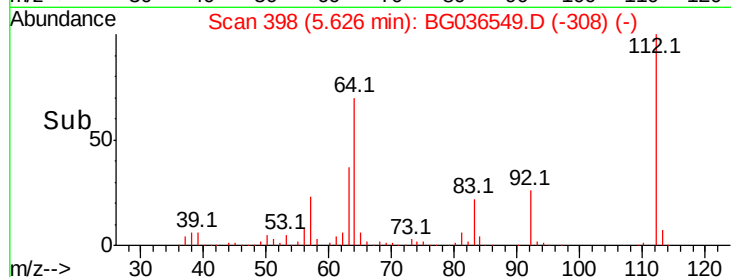
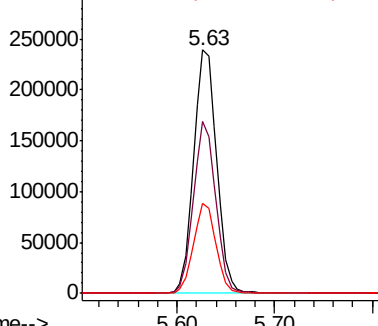
63 36.9 30.8 46.2



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: 22.448 ng

RT: 7.38 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

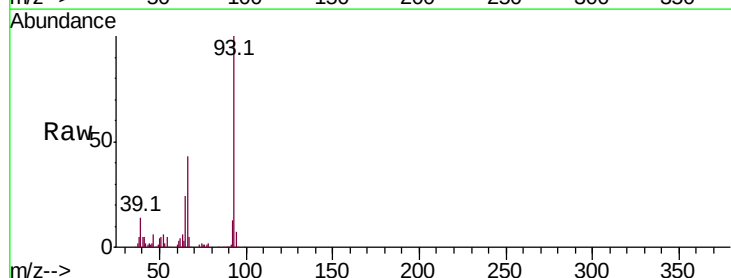
Tgt Ion: 93 Resp: 163002

Ion Ratio Lower Upper

93 100

66 43.4 35.0 52.4

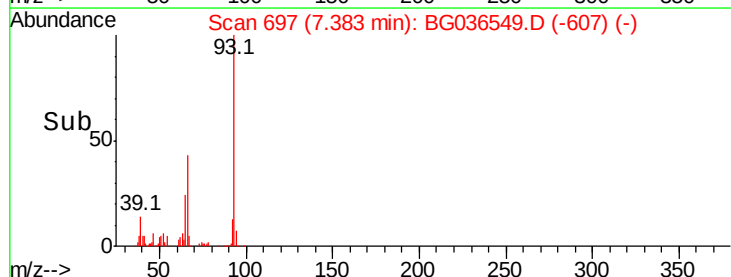
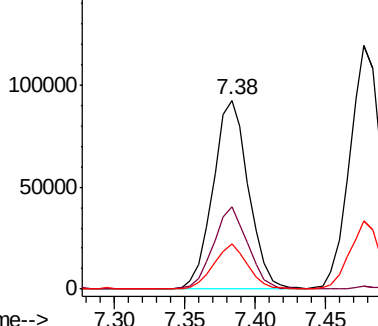
65 23.7 17.6 26.4

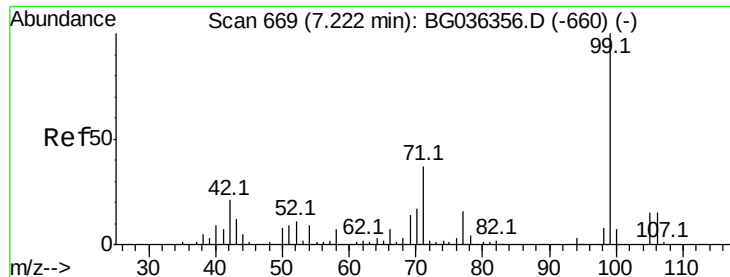


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 88.941 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

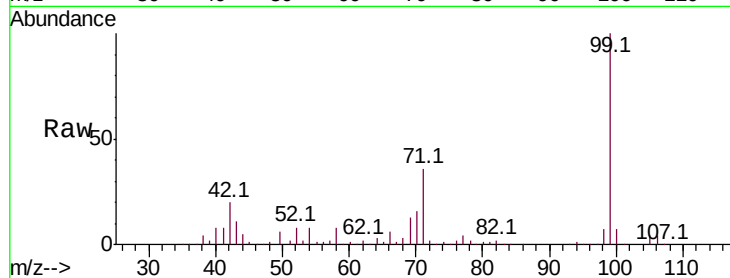
Tot Ion: 99 Resp: 508791

Ion Ratio Lower Upper

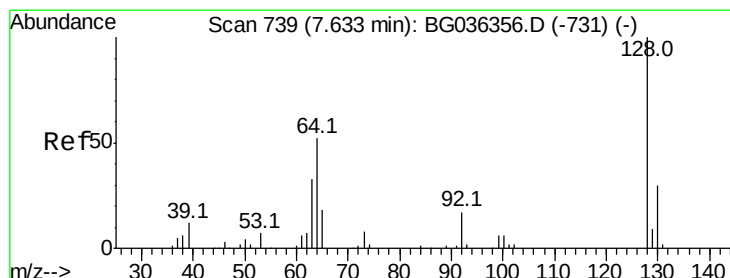
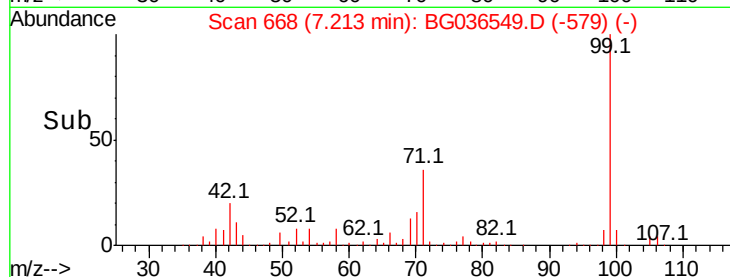
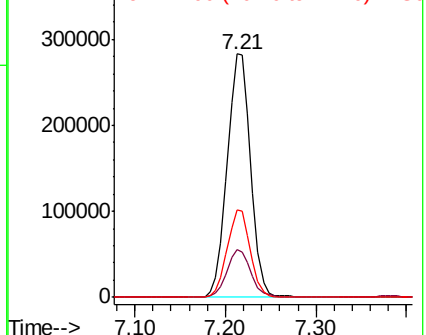
99 100

42 19.7 16.5 24.7

71 36.0 29.4 44.2



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: 42.435 ng

RT: 7.62 min Scan# 738

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

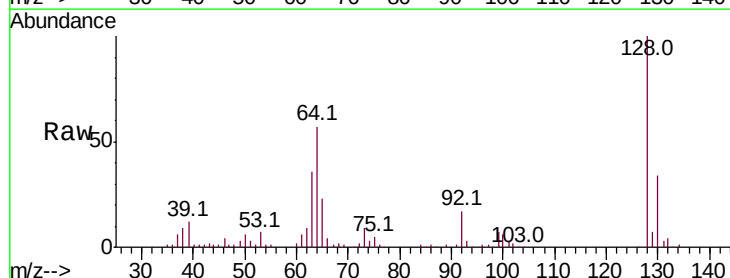
Tgt Ion: 128 Resp: 183865

Ion Ratio Lower Upper

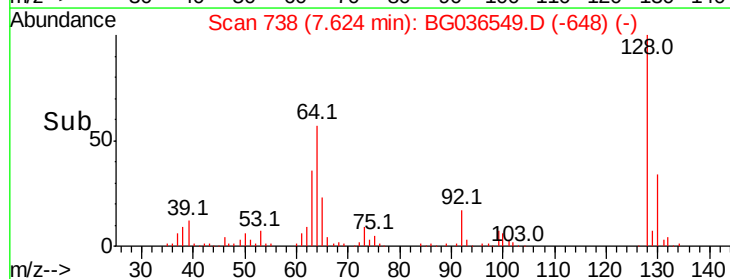
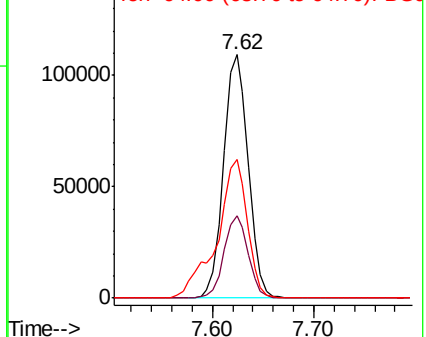
128 100

130 34.0 10.0 50.0

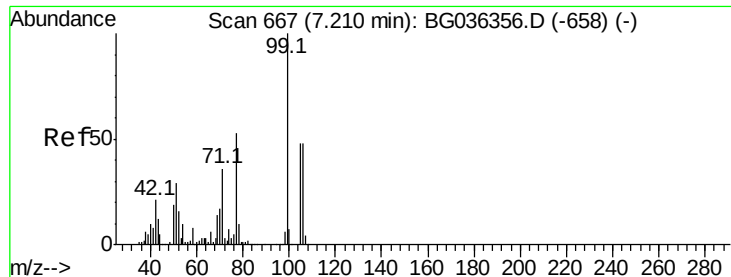
64 56.8 36.0 76.0



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







#9

Benzaldehyde

Concen: 18.963 ng

RT: 7.19 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampled :

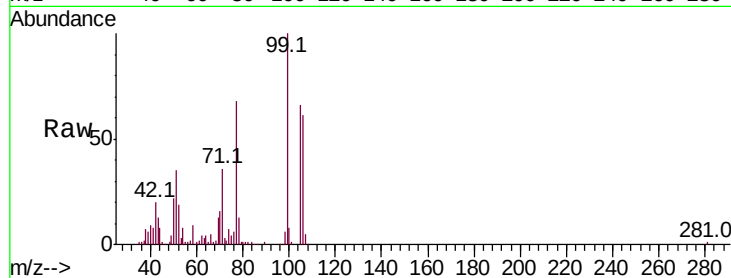
Tot Ion: 77 Resp: 74703

Ion Ratio Lower Upper

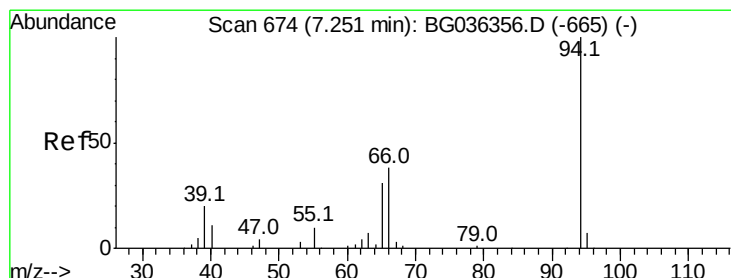
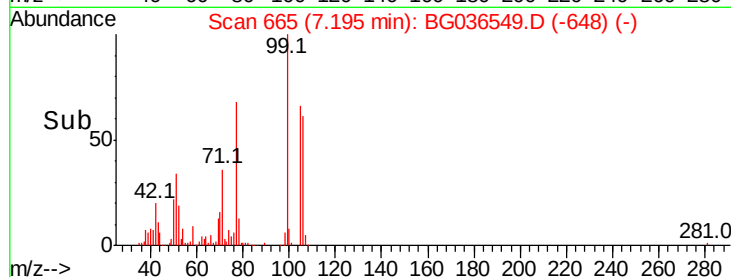
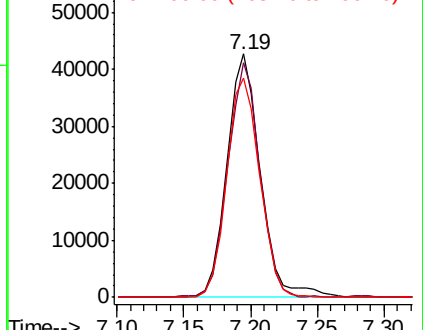
77 100

105 96.5 70.5 110.5

106 90.1 69.8 109.8



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: 36.832 ng

RT: 7.24 min Scan# 673

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

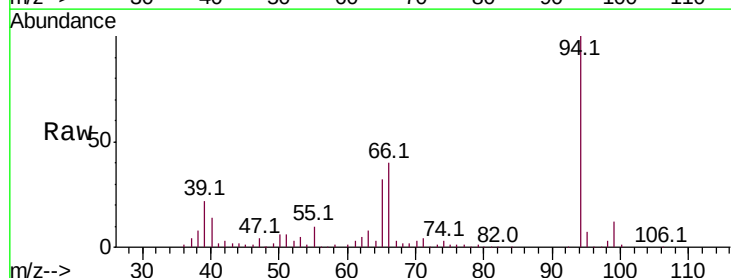
Tgt Ion: 94 Resp: 220495

Ion Ratio Lower Upper

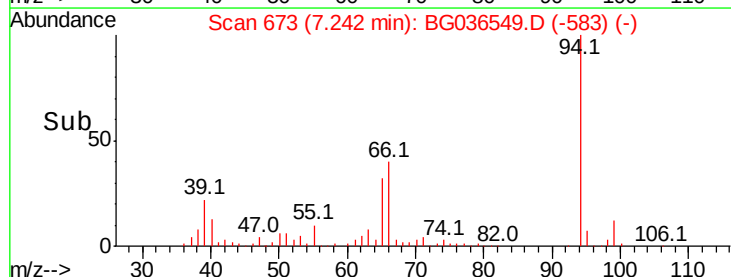
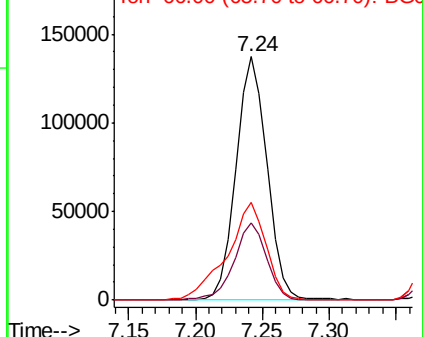
94 100

65 31.6 11.5 51.5

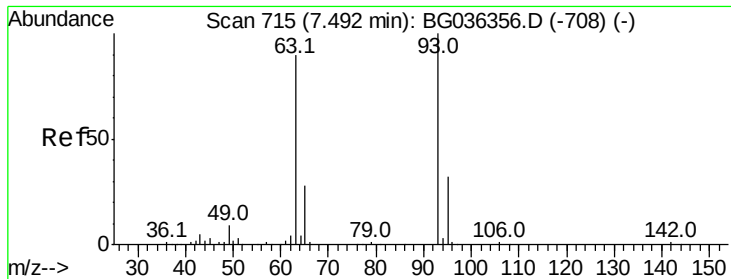
66 40.4 19.5 59.5



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: 39.103 ng

RT: 7.48 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

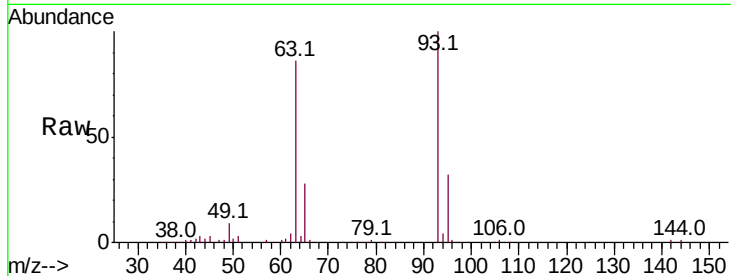
Tot Ion: 93 Resp: 185584

Ion Ratio Lower Upper

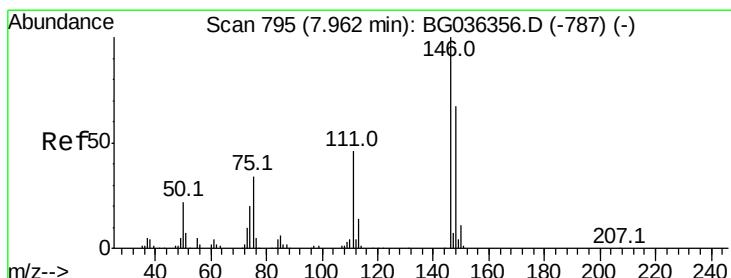
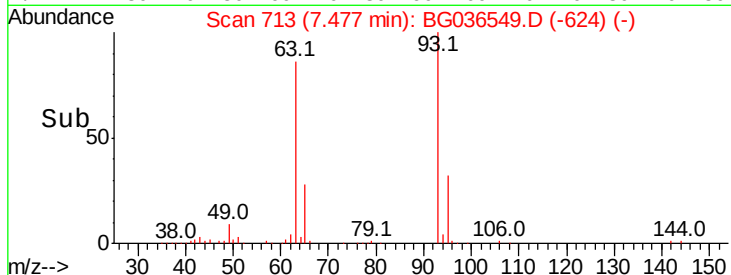
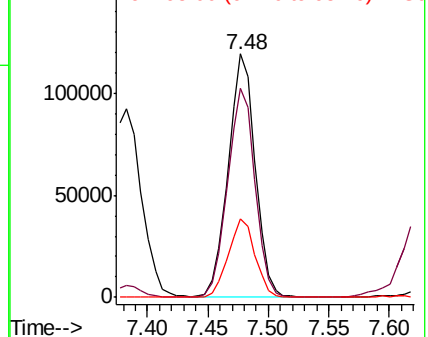
93 100

63 86.0 69.9 109.9

95 32.3 11.7 51.7



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



#12

1,3-Dichlorobenzene

Concen: 37.692 ng

RT: 7.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

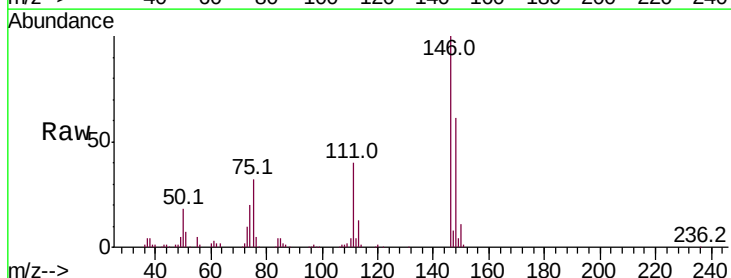
Tgt Ion: 146 Resp: 186480

Ion Ratio Lower Upper

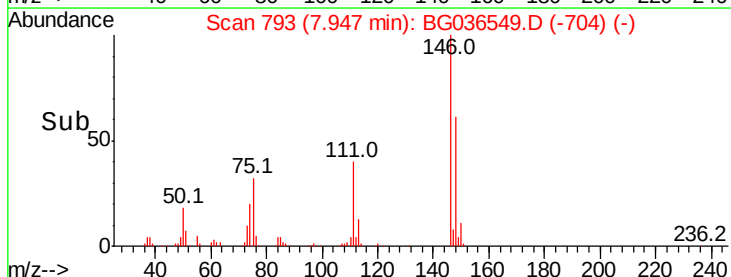
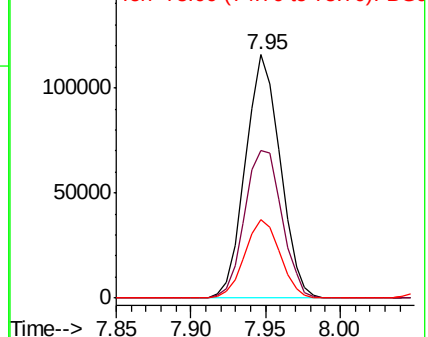
146 100

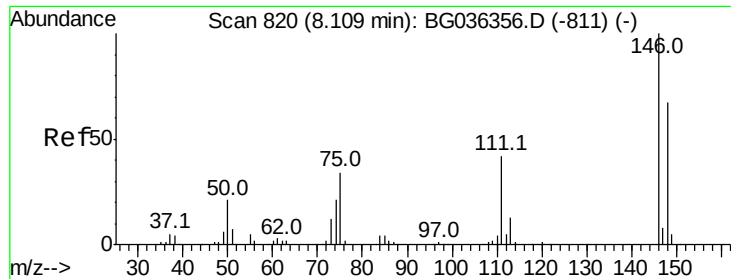
148 60.7 53.8 80.6

75 32.0 27.2 40.8



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

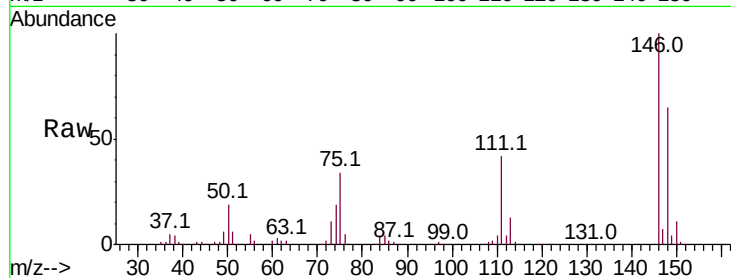




#13  
 1,4-Dichlorobenzene  
 Concen: 37.564 ng  
 RT: 8.09 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.3  | 53.9  | 80.9  |
| 111     | 42.3  | 33.8  | 50.6  |

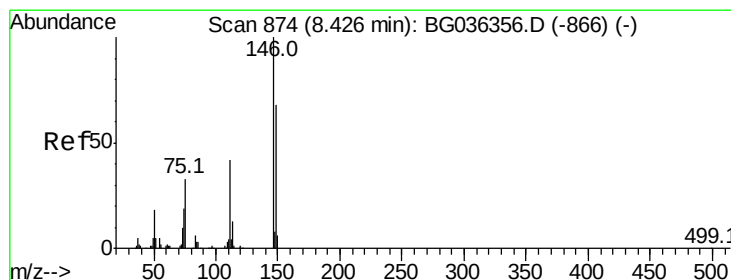
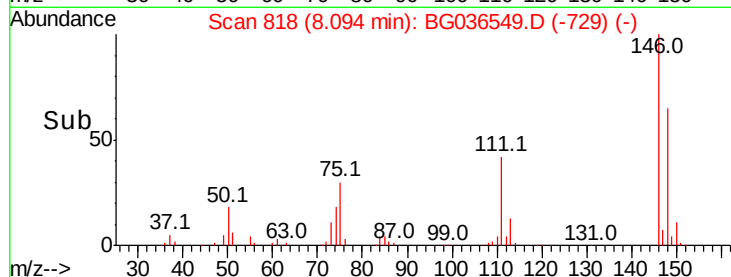
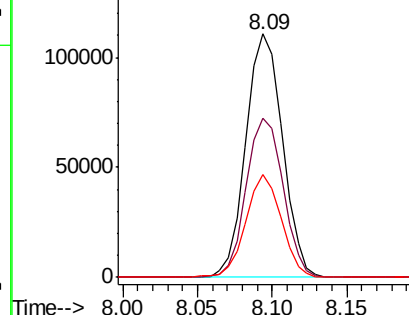


Abundance

Ion 146.00 (145.70 to 146.70): E

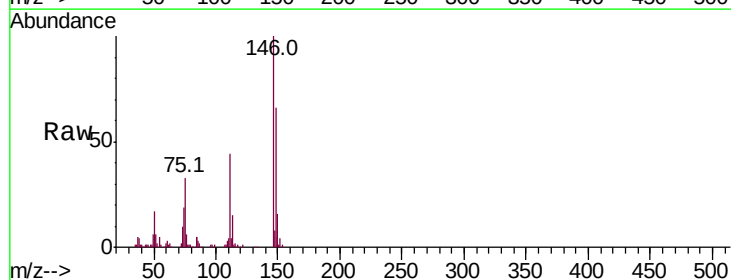
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 38.009 ng  
 RT: 8.41 min Scan# 872  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.4  | 55.0  | 82.6  |
| 111     | 43.9  | 34.6  | 51.8  |

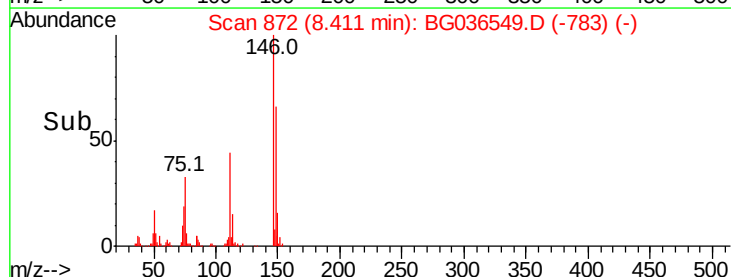
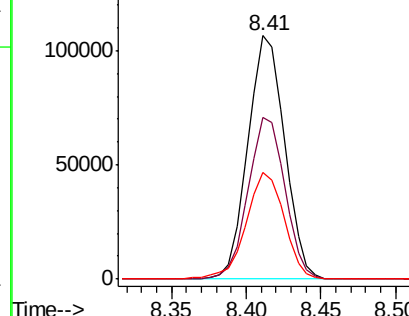


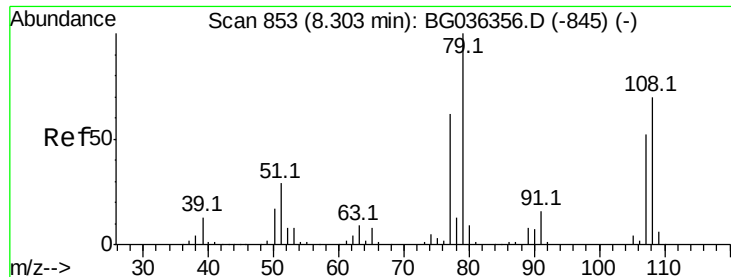
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.915 ng

RT: 8.29 min Scan# 852

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampled :

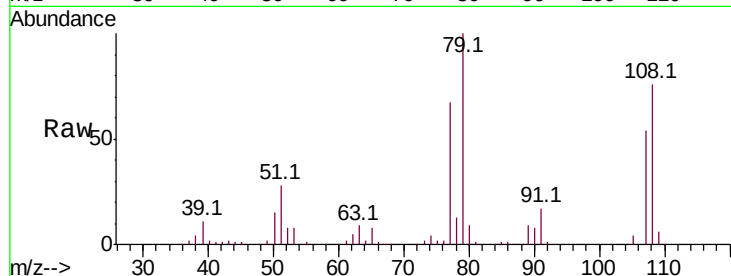
Tot Ion: 79 Resp: 184069

Ion Ratio Lower Upper

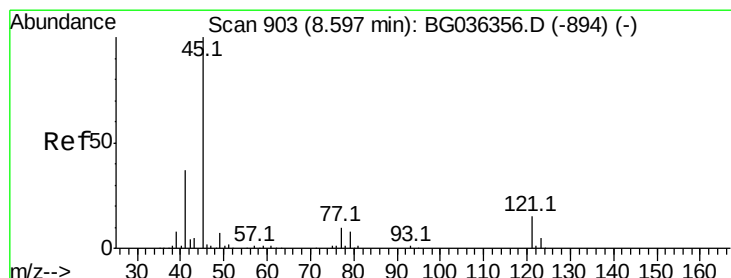
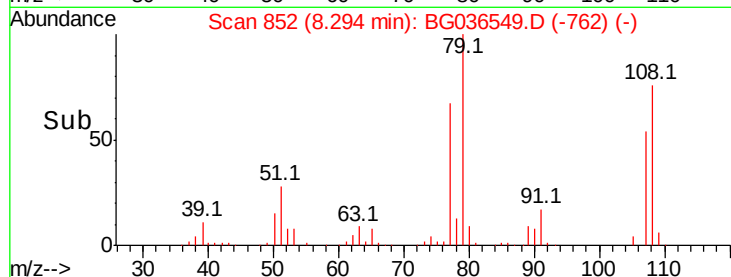
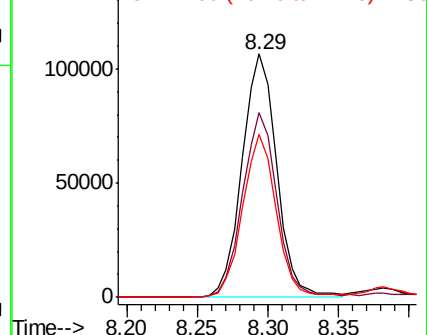
79 100

108 76.0 55.9 83.9

77 66.8 50.0 75.0



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: 35.488 ng

RT: 8.59 min Scan# 902

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

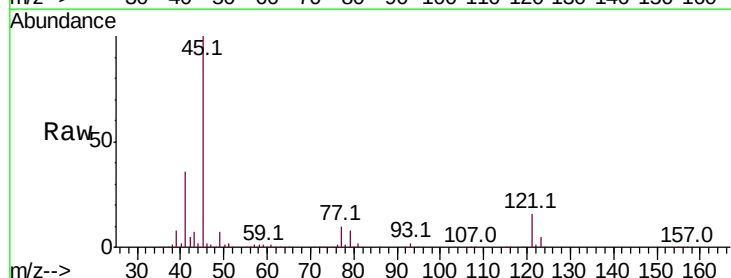
Tgt Ion: 45 Resp: 339665

Ion Ratio Lower Upper

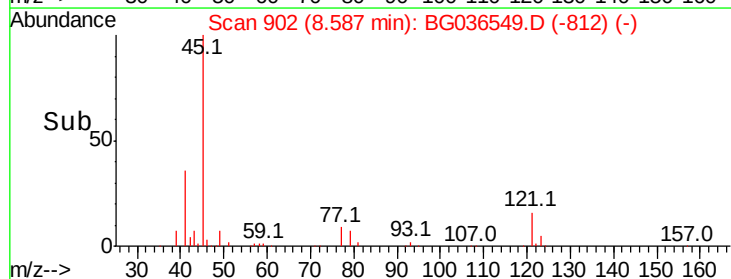
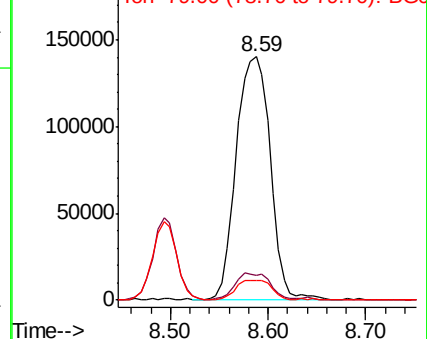
45 100

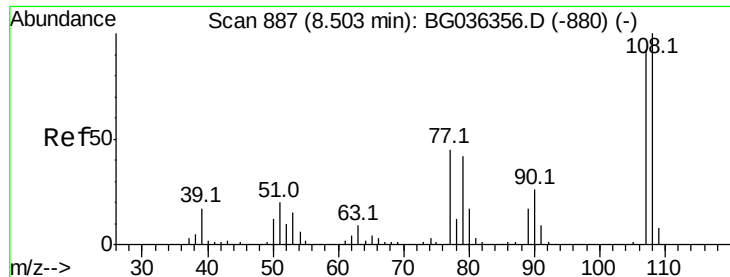
77 10.1 0.0 30.5

79 8.2 0.0 27.9



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

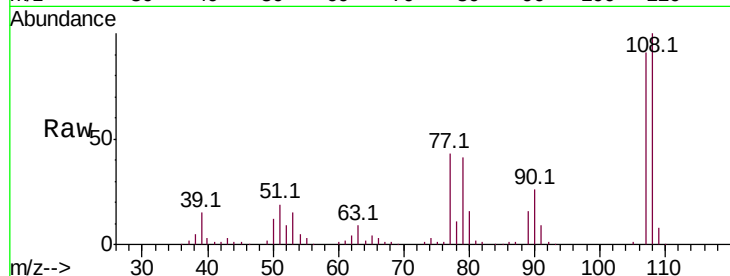




#17  
2-Methylphenol  
Concen: 41.226 ng  
RT: 8.49 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.3 | 86.7  | 130.1 |
| 77      | 47.5  | 39.0  | 58.4  |
| 79      | 45.6  | 36.6  | 54.8  |



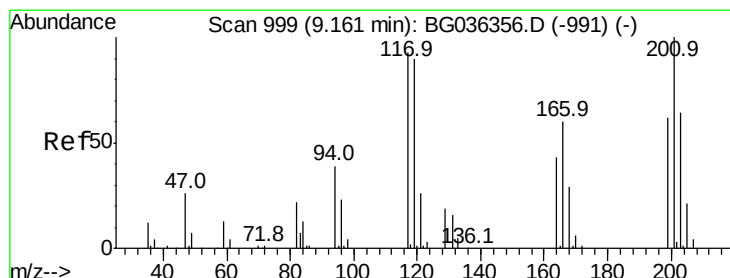
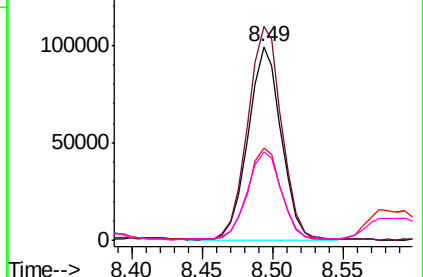
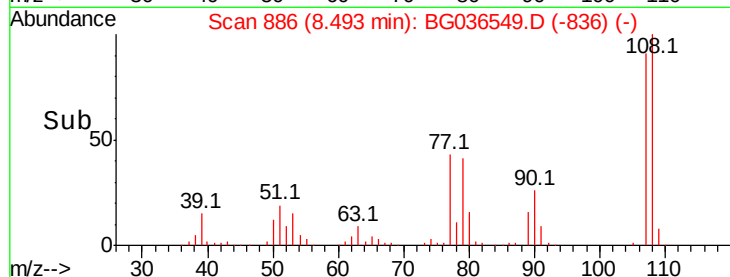
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

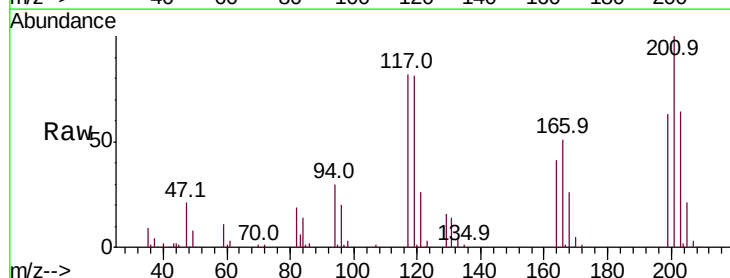
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 38.321 ng  
RT: 9.15 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.7  | 76.8  | 115.2 |
| 201     | 121.5 | 85.7  | 128.5 |

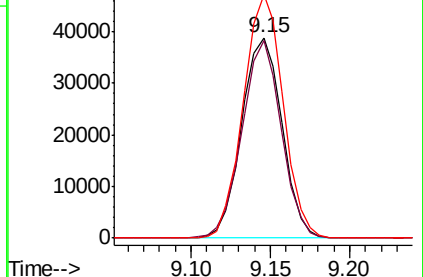
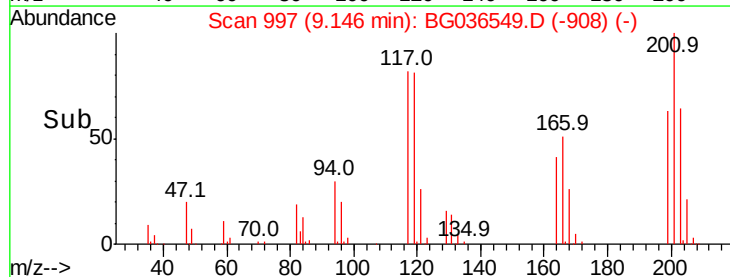


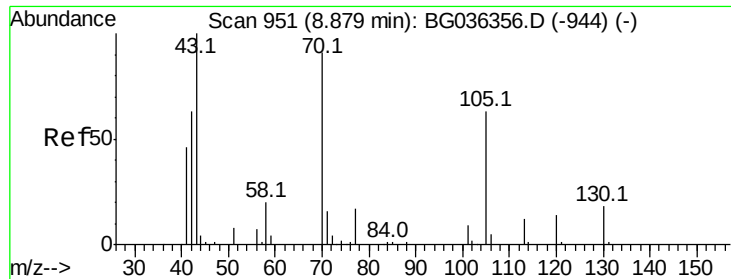
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

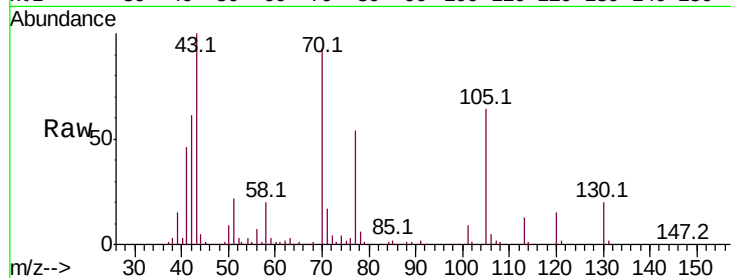




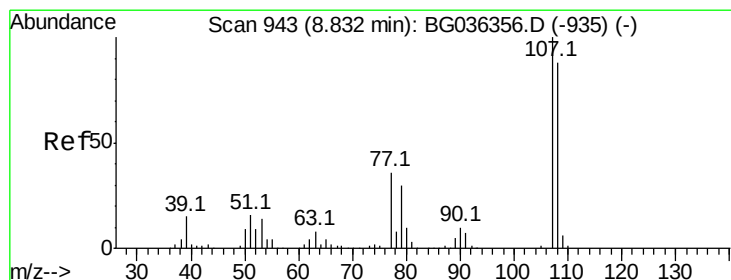
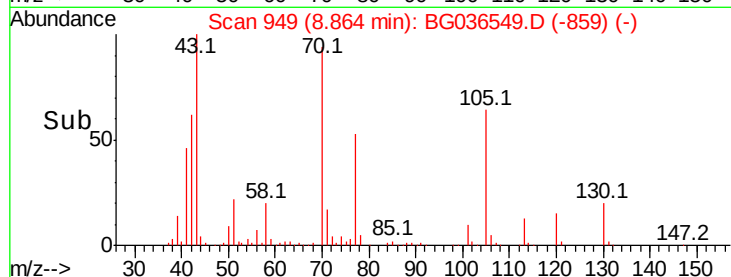
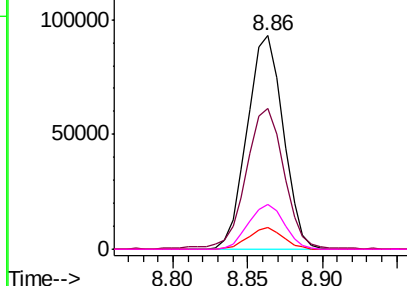
#19  
n-Nitroso-di-n-propylamine  
Concen: 36.444 ng  
RT: 8.86 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 155811  
Ion Ratio Lower Upper  
70 100  
42 66.0 56.2 84.4  
101 10.2 7.8 11.6  
130 21.0 16.2 24.2

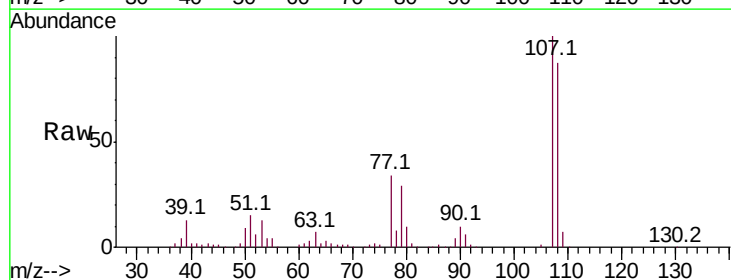


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

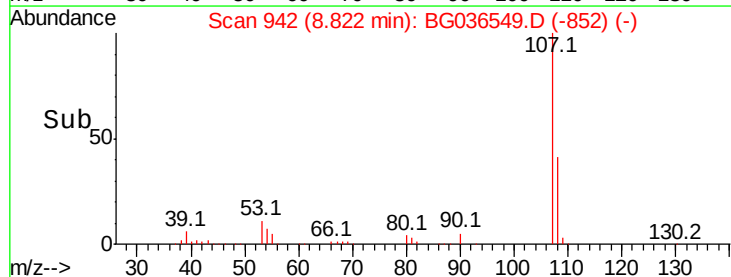
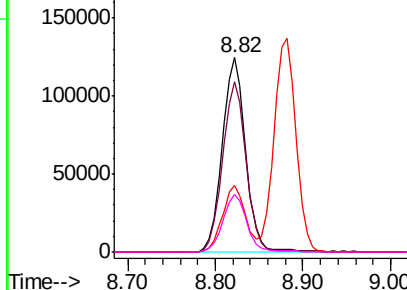


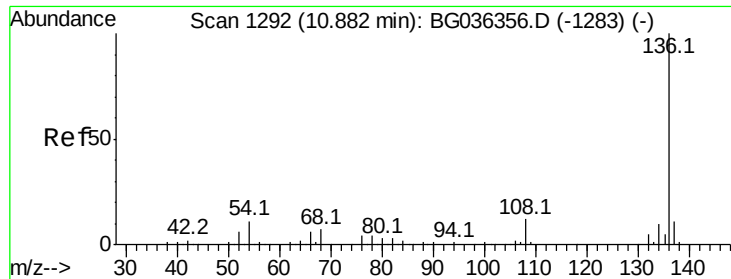
#20  
3+4-Methylphenols  
Concen: 41.257 ng  
RT: 8.82 min Scan# 942  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion: 107 Resp: 228962  
Ion Ratio Lower Upper  
107 100  
108 87.5 68.0 108.0  
77 34.1 15.6 55.6  
79 29.4 9.9 49.9



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

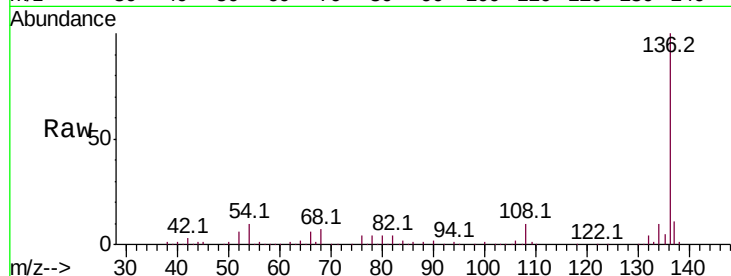




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1290  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 255169 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.8   | 13.2   |
| 54       | 10.1  | 9.2   | 13.8   |
| 68       | 7.2   | 5.8   | 8.6    |



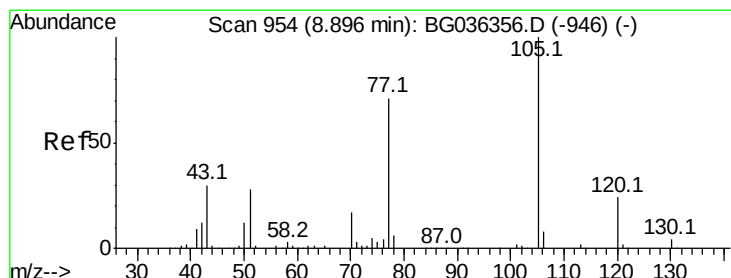
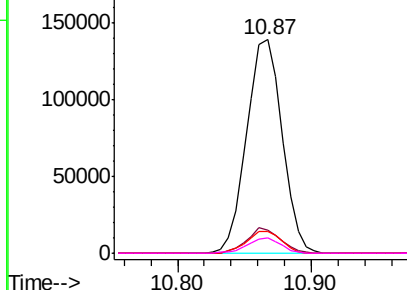
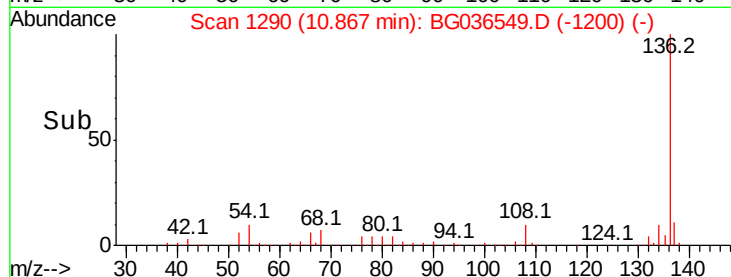
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

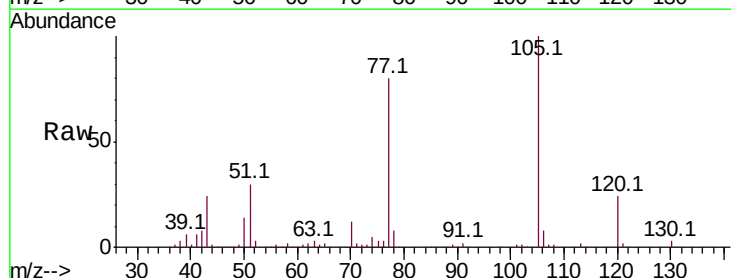
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 43.902 ng  
RT: 8.88 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 294168 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 1.9   | 2.4   | 3.6#   |
| 51       | 30.1  | 25.9  | 38.9   |
| 120      | 23.6  | 19.4  | 29.0   |



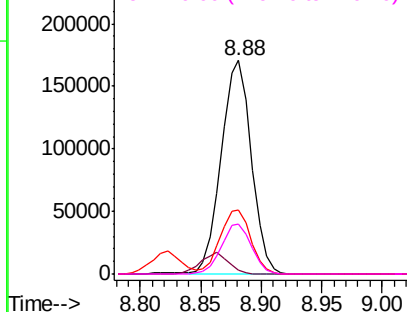
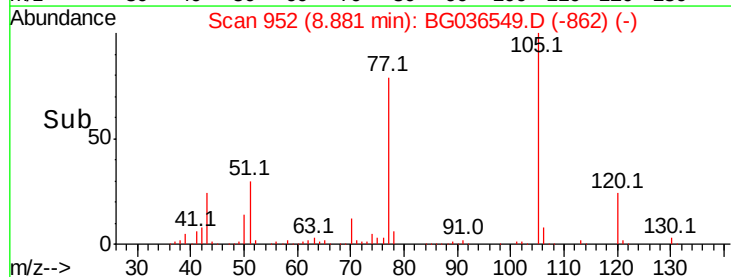
Abundance

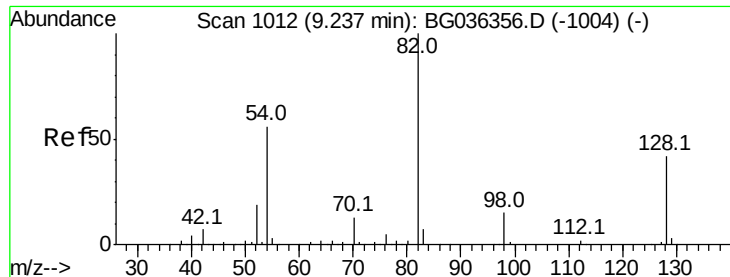
Ion 105.00 (104.70 to 105.70): E

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: 78.220 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

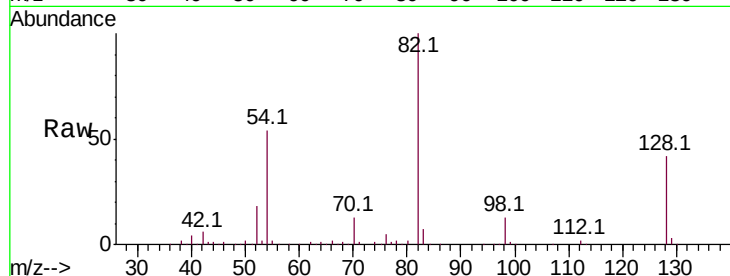
Tot Ion: 82 Resp: 367868

Ion Ratio Lower Upper

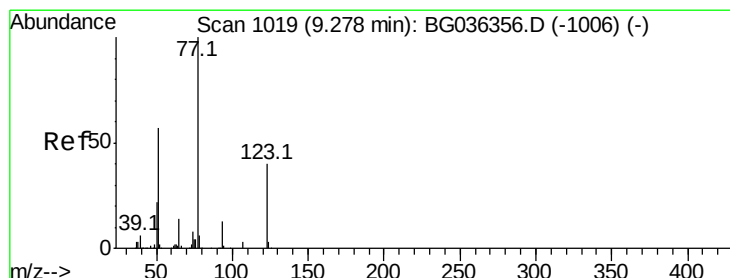
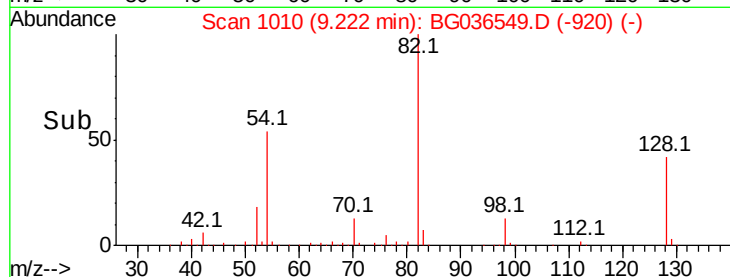
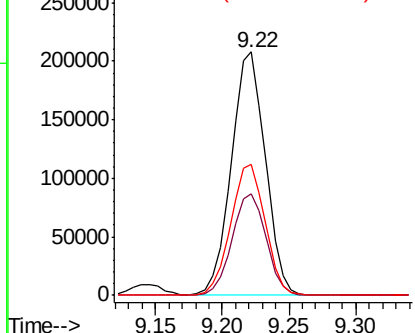
82 100

128 41.8 33.3 49.9

54 53.8 45.1 67.7



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: 46.814 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

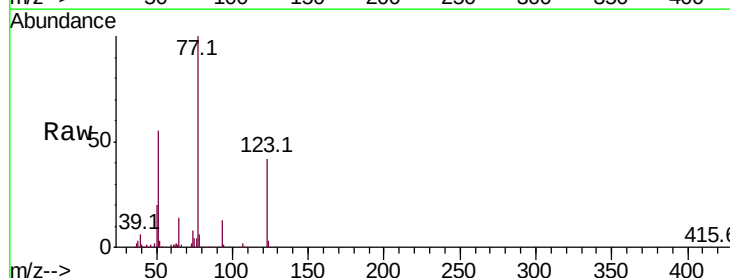
Tgt Ion: 77 Resp: 237412

Ion Ratio Lower Upper

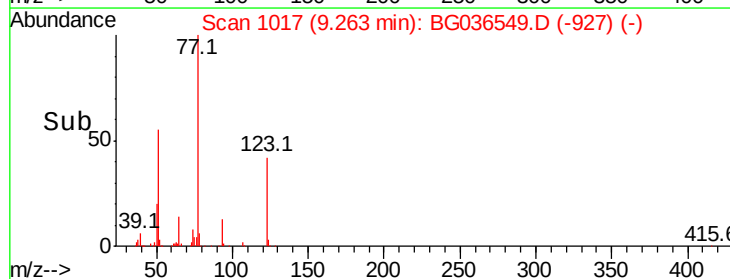
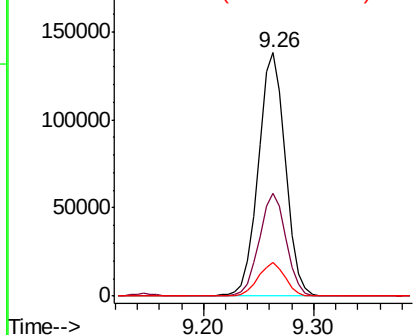
77 100

123 42.2 32.4 48.6

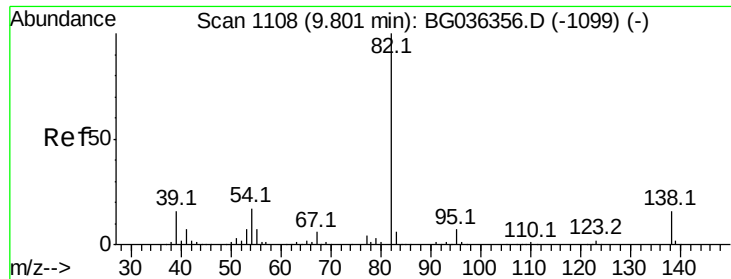
65 13.9 11.5 17.3



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: 47.432 ng

RT: 9.79 min Scan# 1106

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

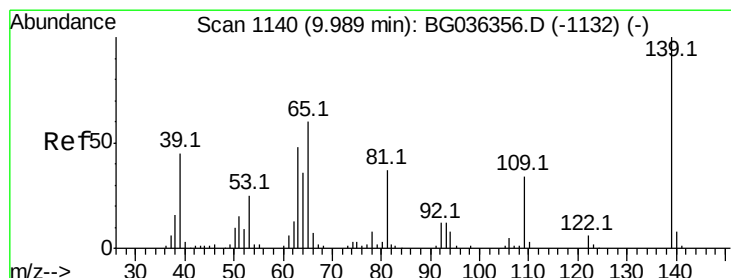
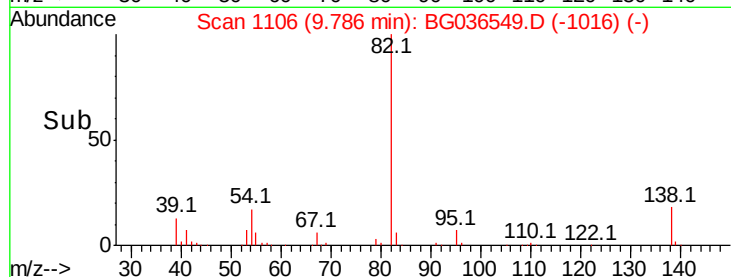
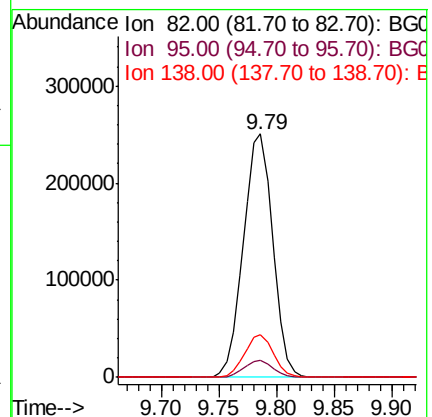
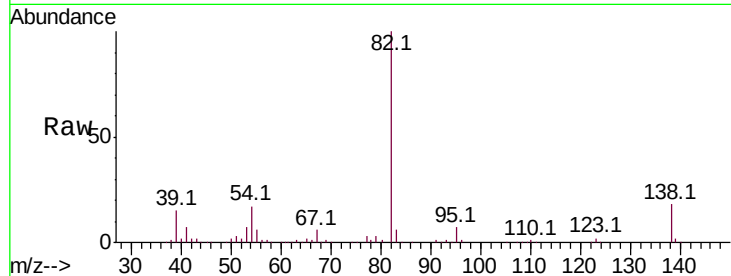
Tot Ion: 82 Resp: 443146

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.8

138 17.5 12.9 19.3



#26

2-Nitrophenol

Concen: 49.602 ng

RT: 9.97 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

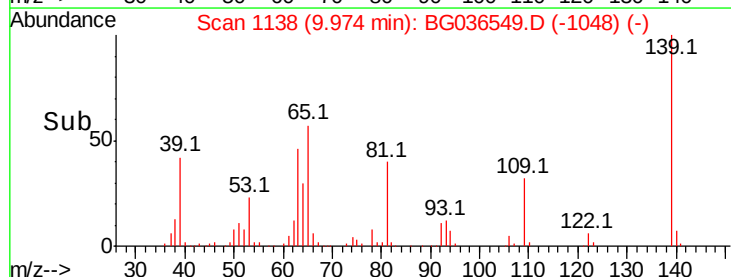
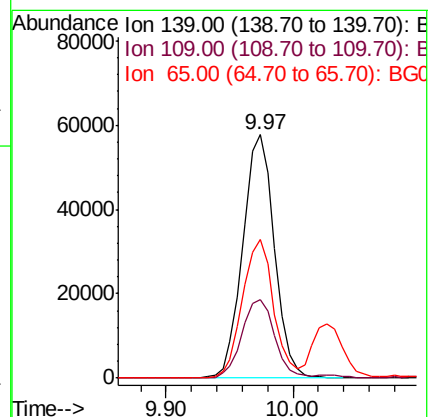
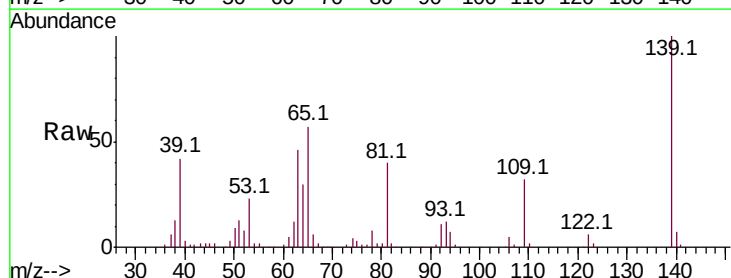
Tgt Ion:139 Resp: 99681

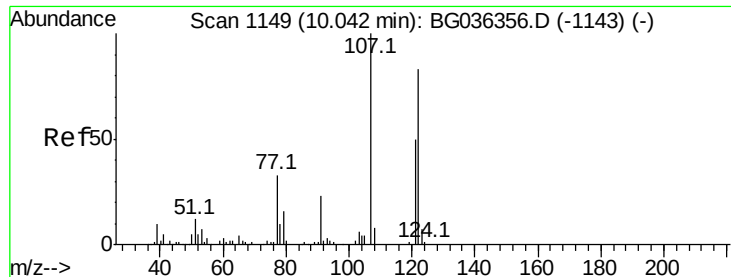
Ion Ratio Lower Upper

139 100

109 32.2 27.4 41.0

65 57.0 47.8 71.6

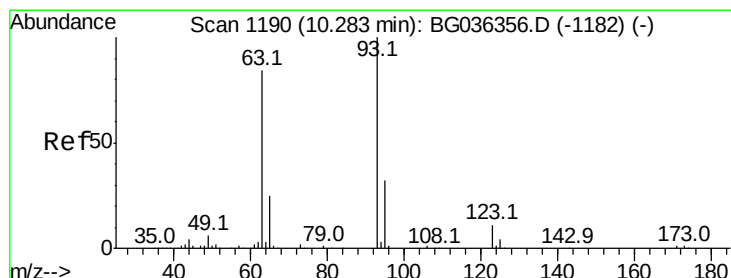
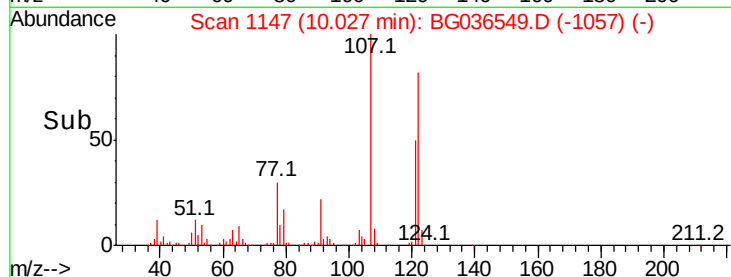
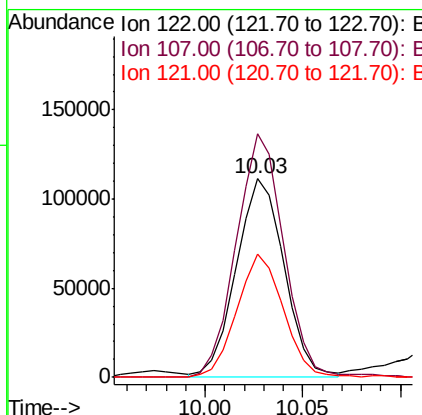
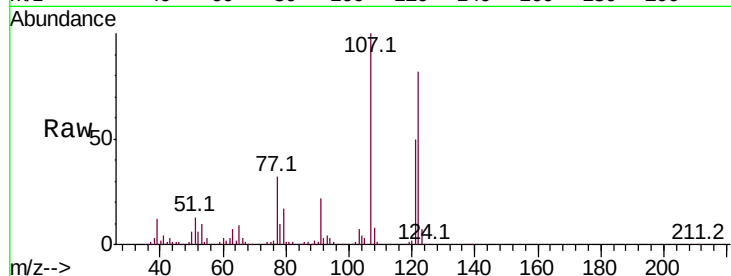




#27  
2,4-Dimethylphenol  
Concen: 50.655 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

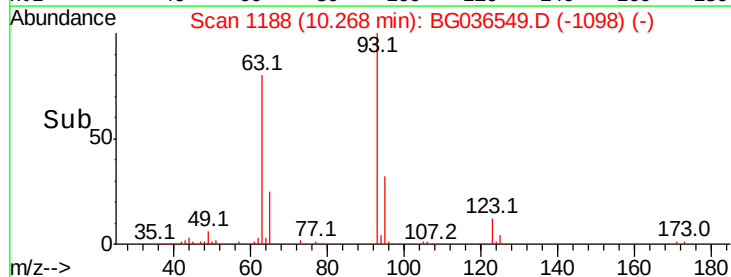
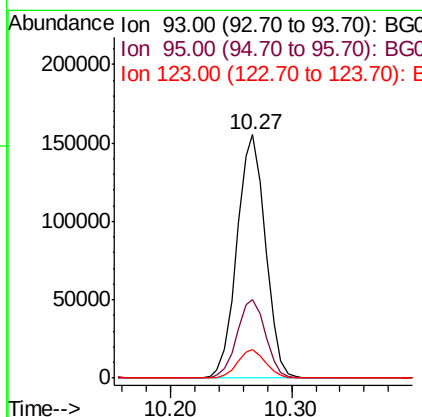
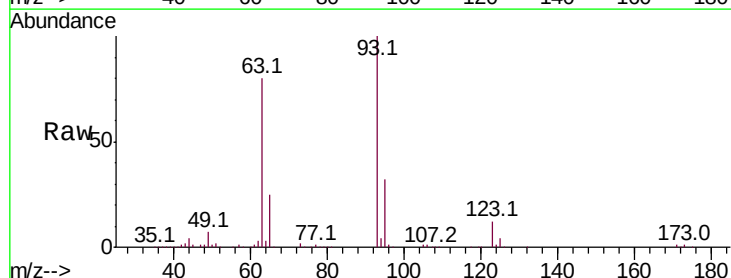
Instrument :  
BNA\_G  
ClientSampleId :

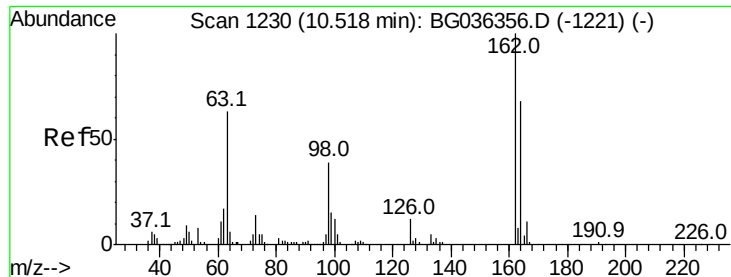
Tot Ion:122 Resp: 188465  
Ion Ratio Lower Upper  
122 100  
107 122.5 96.0 144.0  
121 61.9 48.2 72.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.473 ng  
RT: 10.27 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion: 93 Resp: 255004  
Ion Ratio Lower Upper  
93 100  
95 32.1 25.2 37.8  
123 11.6 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 49.488 ng

RT: 10.51 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

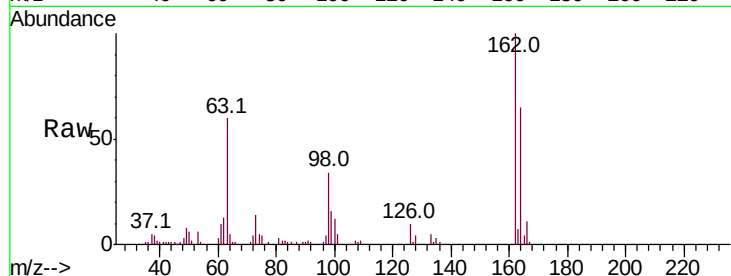
Instrument :

BNA\_G

ClientSampled :

Tot Ion:162 Resp: 201789

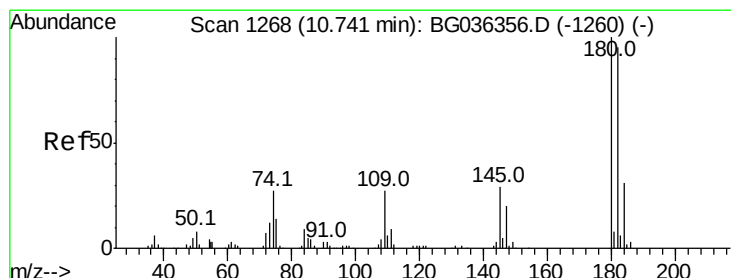
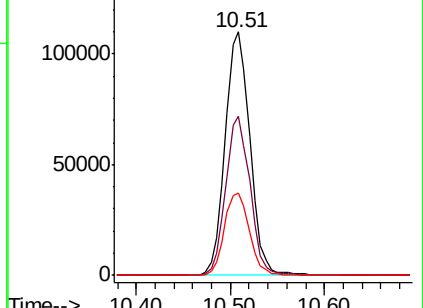
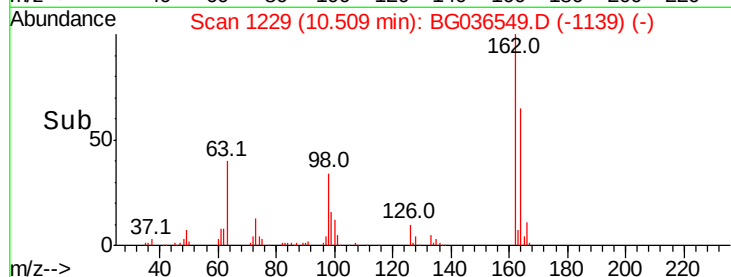
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 65.4  | 47.6  | 87.6  |
| 98  | 33.9  | 19.2  | 59.2  |



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 42.605 ng

RT: 10.73 min Scan# 1266

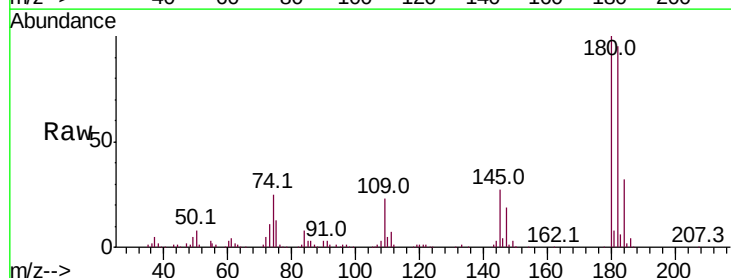
Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Tgt Ion:180 Resp: 203229

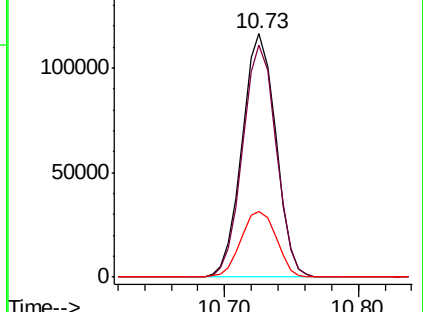
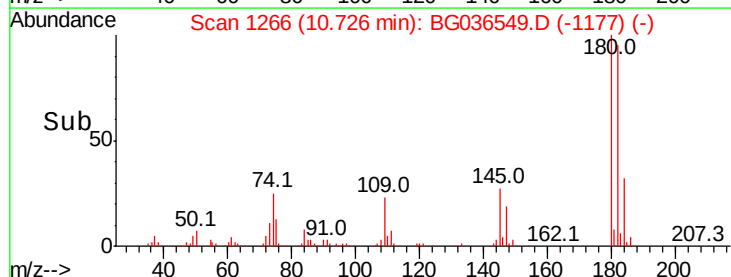
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.2  | 76.0  | 114.0 |
| 145 | 27.1  | 22.9  | 34.3  |

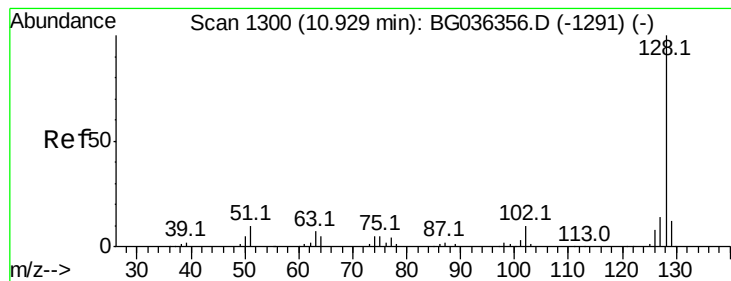


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.931 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

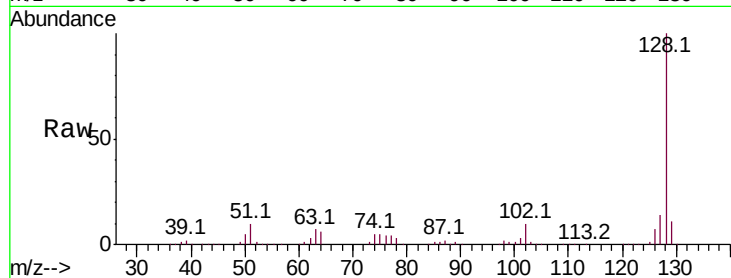
Tot Ion:128 Resp: 585874

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

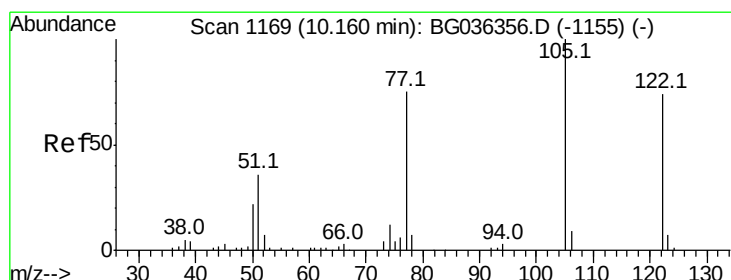
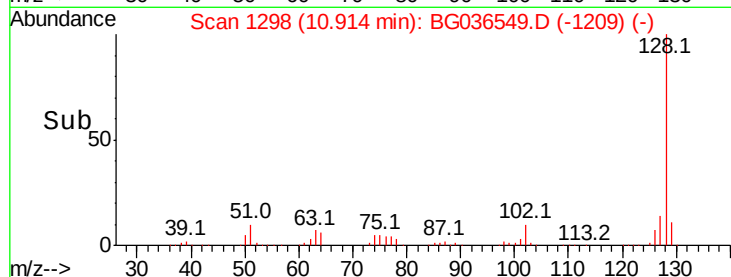
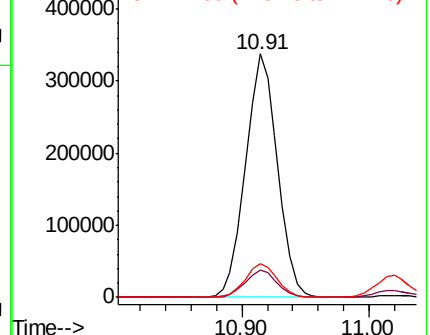
127 13.9 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.338 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

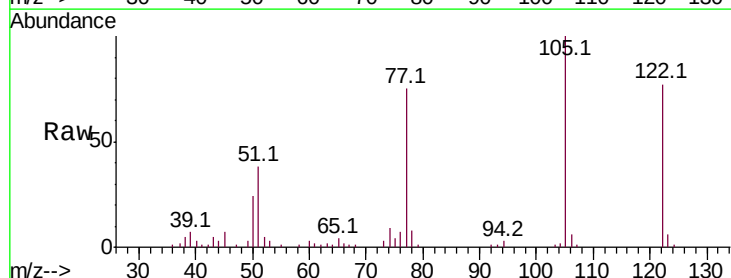
Tgt Ion:122 Resp: 75629

Ion Ratio Lower Upper

122 100

105 129.3 108.1 148.1

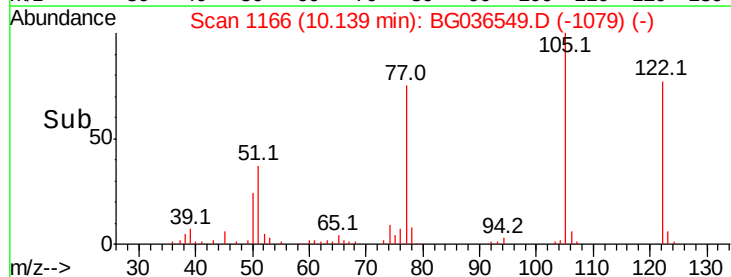
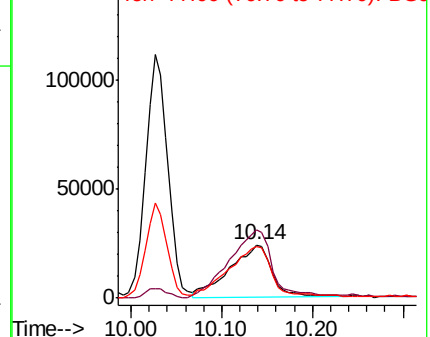
77 97.5 76.3 116.3

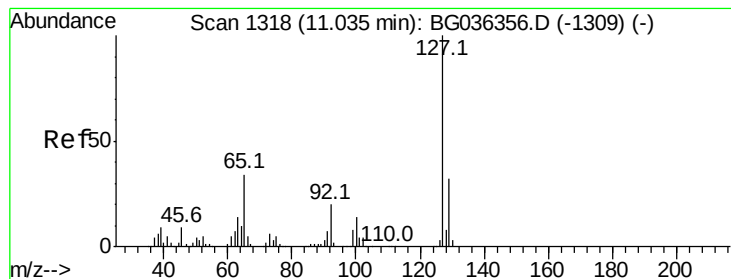


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#33

4-Chloroaniline

Concen: 9.840 ng

RT: 11.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

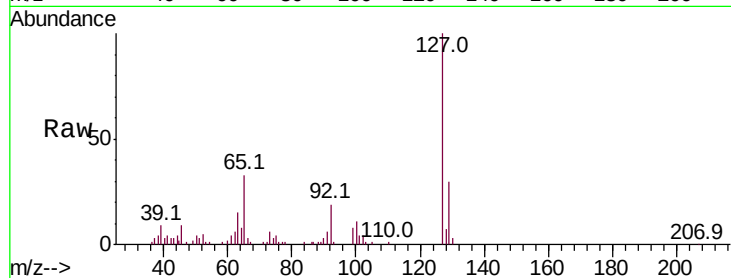
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:127 Resp: 57515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 29.6  | 25.9  | 38.9  |
| 65  | 33.1  | 27.5  | 41.3  |
| 92  | 18.6  | 16.2  | 24.2  |



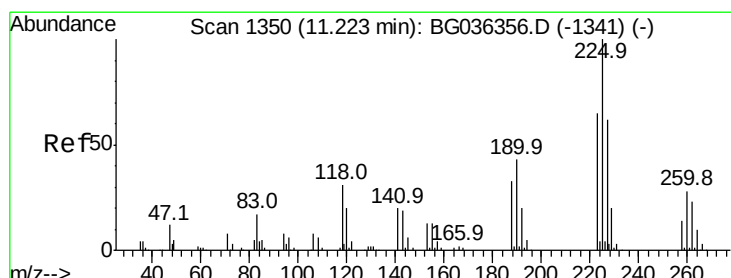
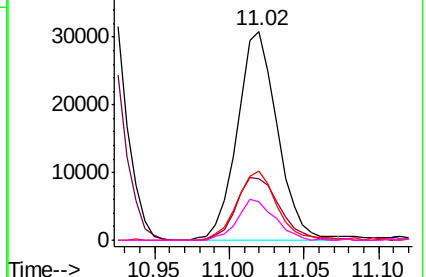
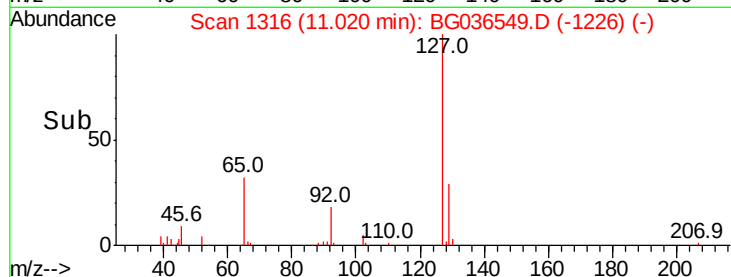
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34

Hexachlorobutadiene

Concen: 42.572 ng

RT: 11.20 min Scan# 1347

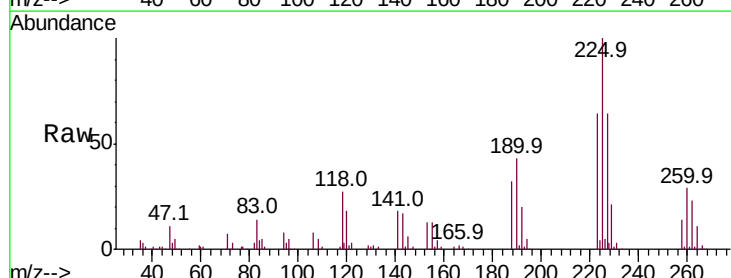
Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Tgt Ion:225 Resp: 136440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.9  | 51.8  | 77.8  |
| 227 | 63.6  | 49.8  | 74.6  |

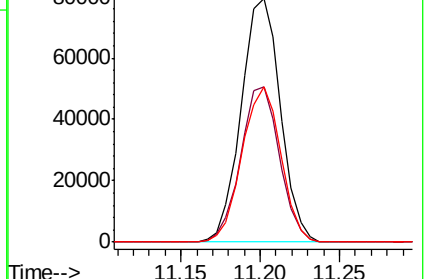
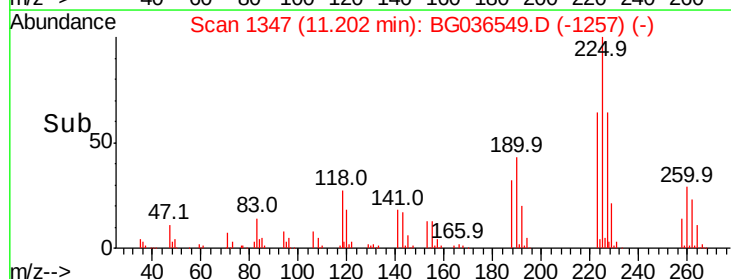


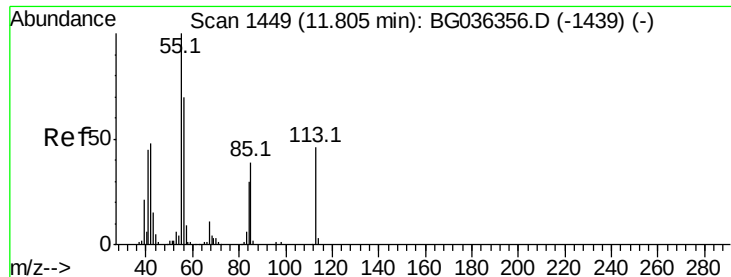
Abundance

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

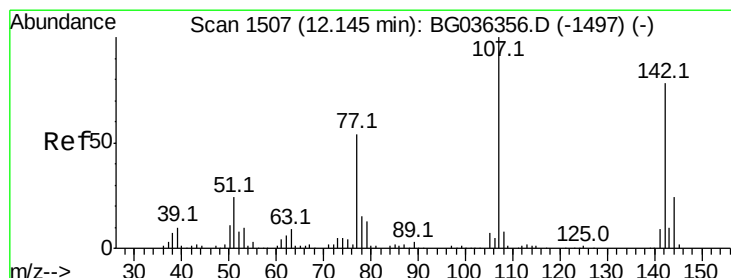
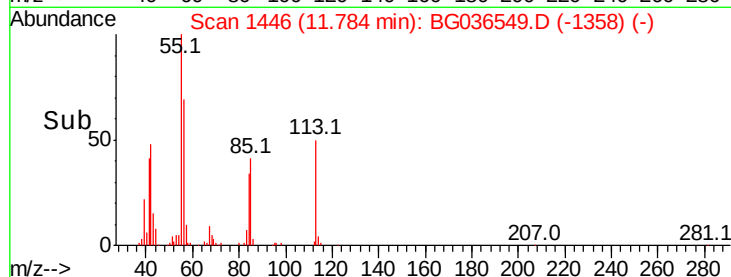
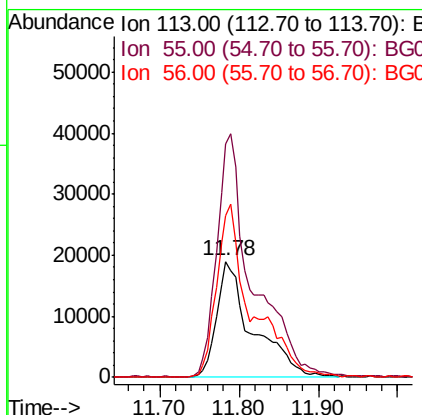
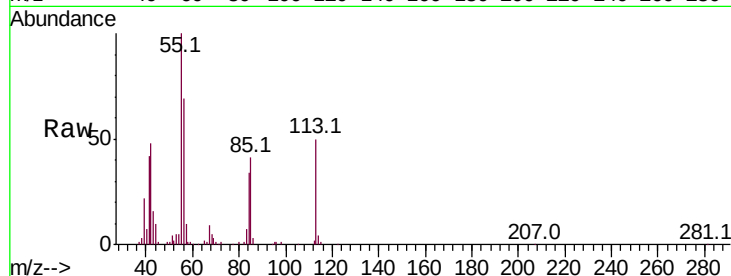




#35  
Caprolactam  
Concen: 36.936 ng  
RT: 11.78 min Scan# 1446  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

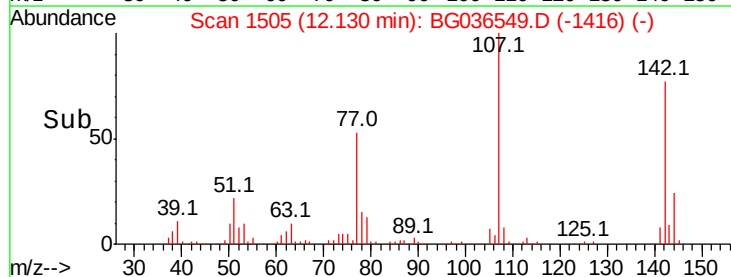
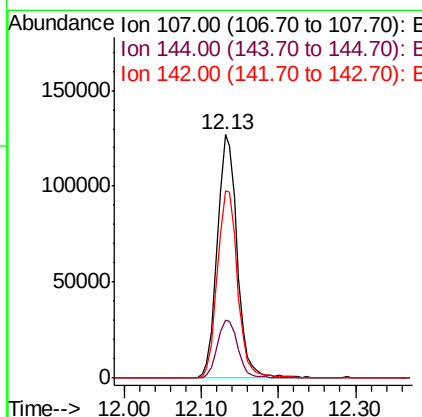
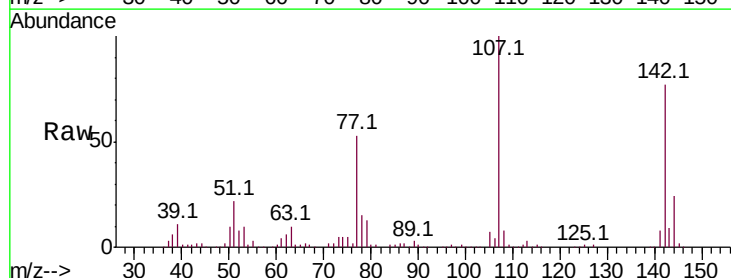
Instrument :  
BNA\_G  
ClientSampleId :

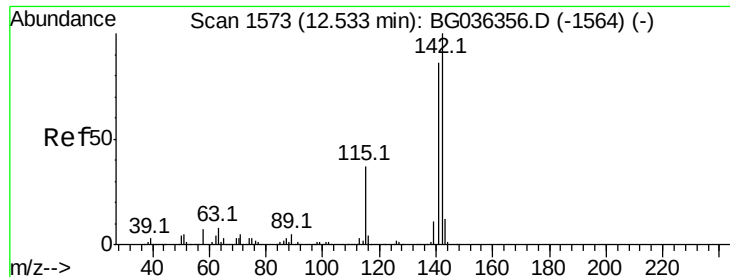
Tot Ion:113 Resp: 59997  
Ion Ratio Lower Upper  
113 100  
55 201.7 197.7 237.7  
56 140.0 131.7 171.7



#36  
4-Chloro-3-methylphenol  
Concen: 47.736 ng  
RT: 12.13 min Scan# 1505  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion:107 Resp: 226170  
Ion Ratio Lower Upper  
107 100  
144 24.1 19.5 29.3  
142 76.9 62.4 93.6

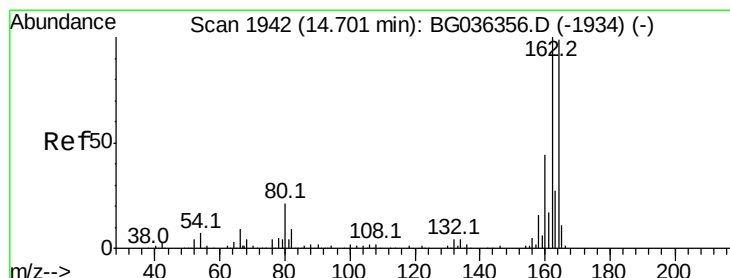
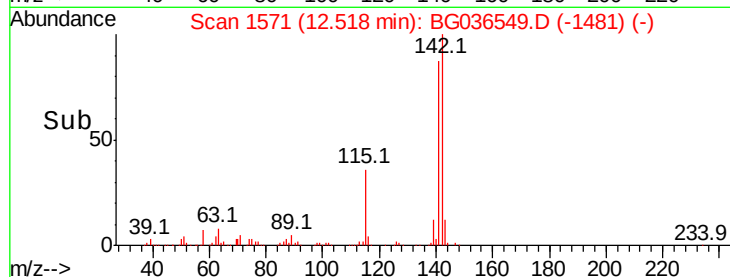
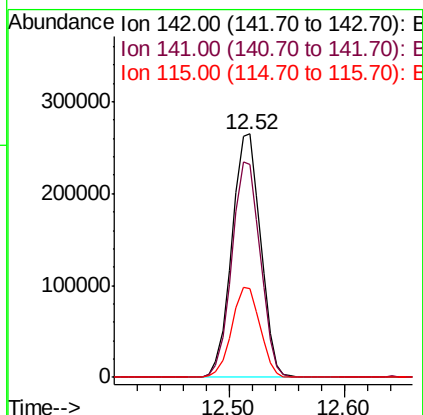
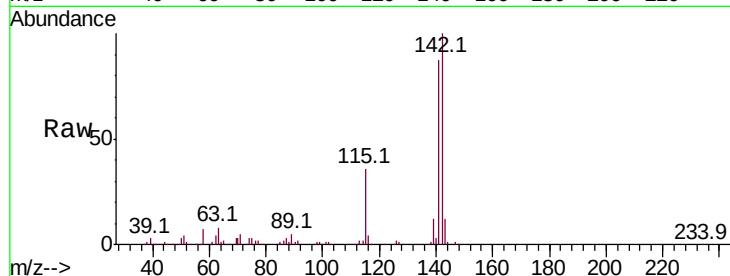




#37  
 2-Methylnaphthalene  
 Concen: 48.922 ng  
 RT: 12.52 min Scan# 1571  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

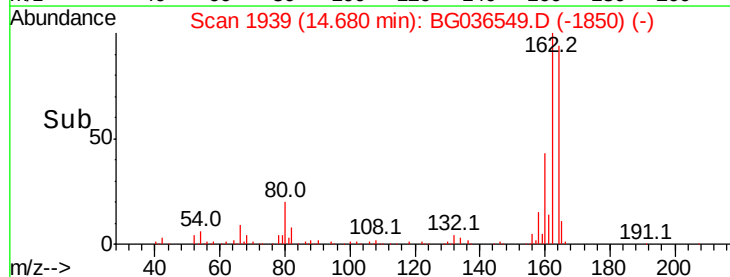
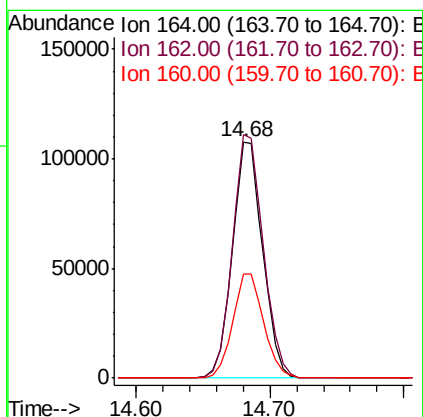
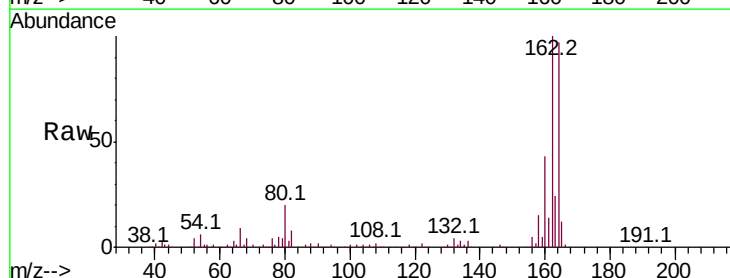
Instrument :  
 BNA\_G  
 ClientSampleId :

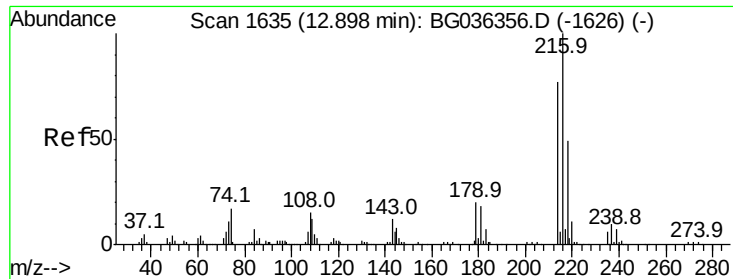
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.4  | 68.5  | 102.7 |
| 115     | 36.3  | 29.8  | 44.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 80.7  | 121.1 |
| 160     | 44.0  | 35.3  | 52.9  |

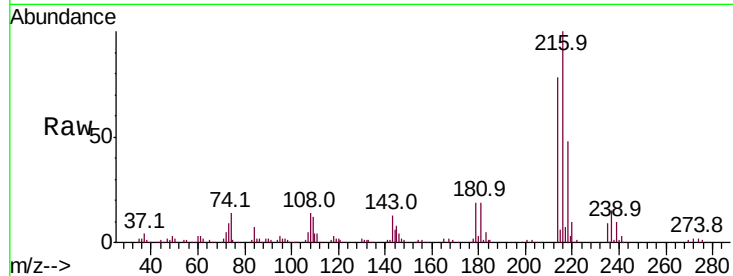




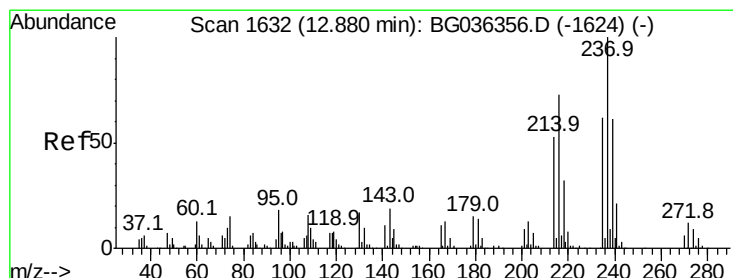
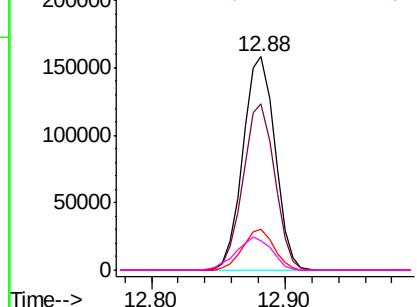
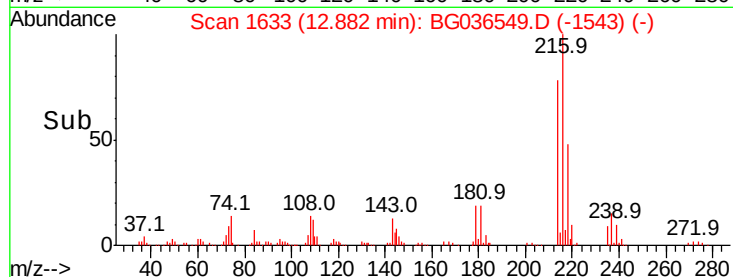
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.652 ng  
 RT: 12.88 min Scan# 1633  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 261230 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.2  | 61.0  | 91.6   |
| 179      | 18.8  | 15.7  | 23.5   |
| 108      | 17.7  | 13.1  | 19.7   |

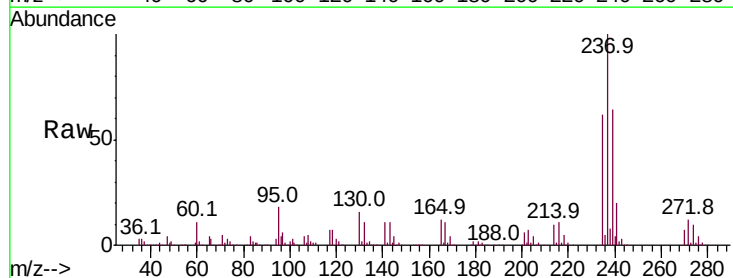


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

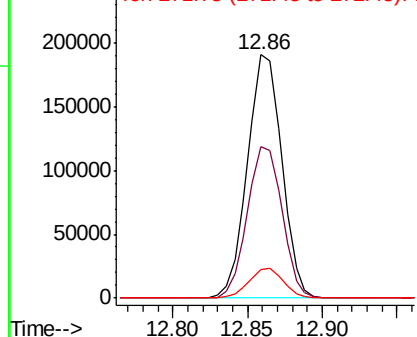
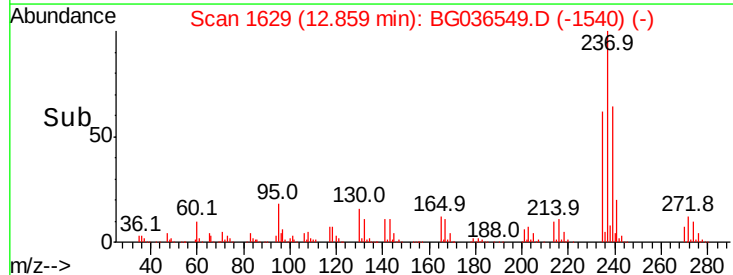


#40  
 Hexachlorocyclopentadiene  
 Concen: 97.506 ng  
 RT: 12.86 min Scan# 1629  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

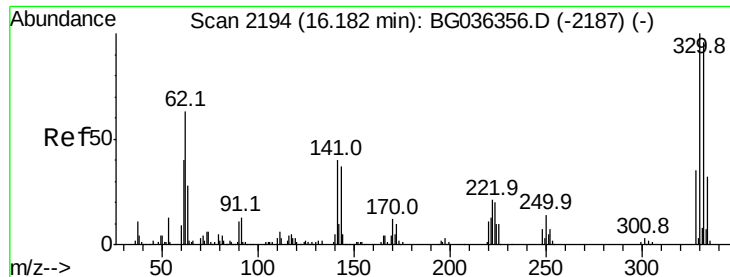
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 303599 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.0  | 42.2  | 82.2   |
| 272      | 12.0  | 0.0   | 32.1   |



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



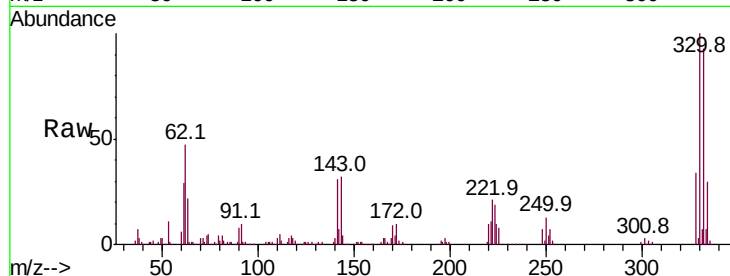




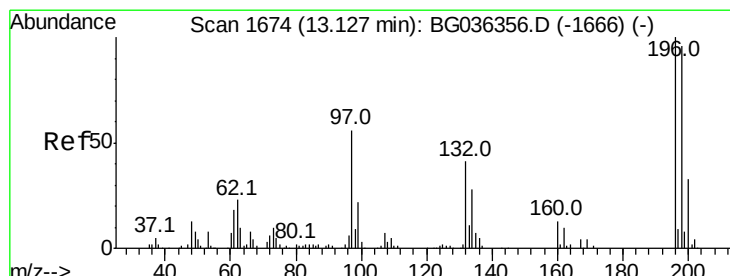
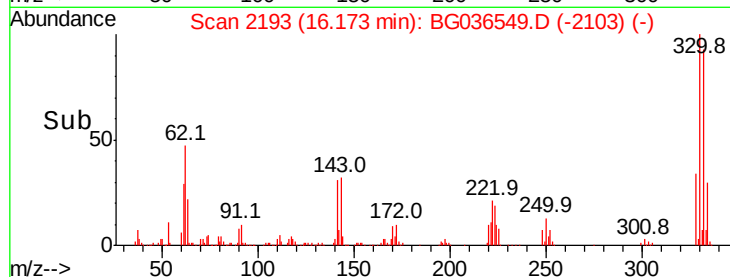
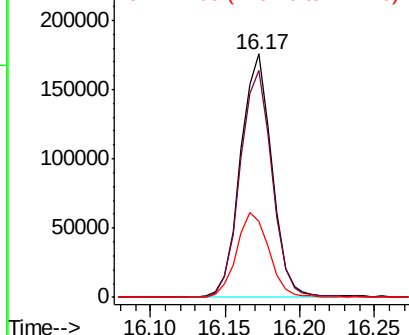
#41  
 2,4,6-Tribromophenol  
 Concen: 127.225 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 75.4  | 113.2 |
| 141     | 36.5  | 30.7  | 46.1  |

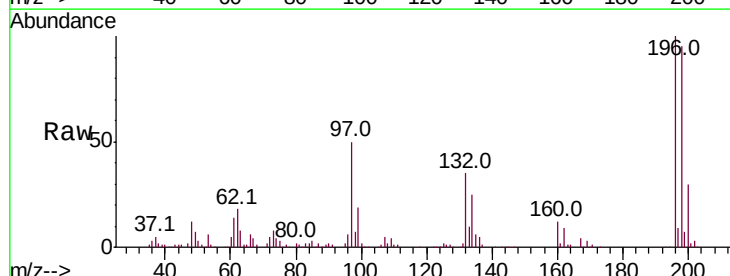


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

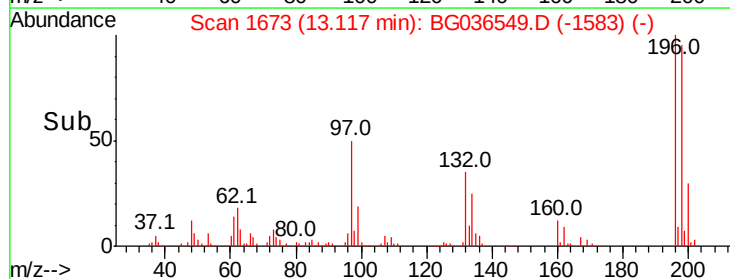
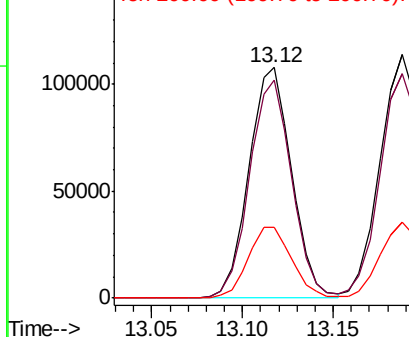


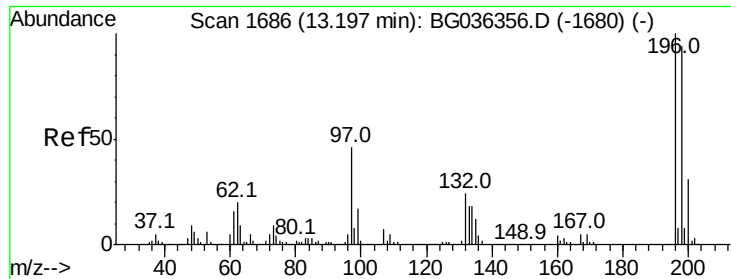
#42  
 2,4,6-Trichlorophenol  
 Concen: 48.204 ng  
 RT: 13.12 min Scan# 1673  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.6  | 77.2  | 115.8 |
| 200     | 30.5  | 26.3  | 39.5  |



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

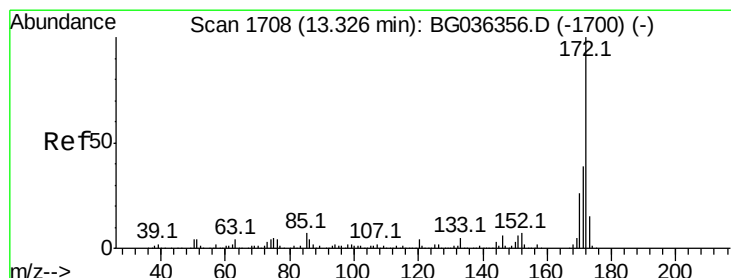
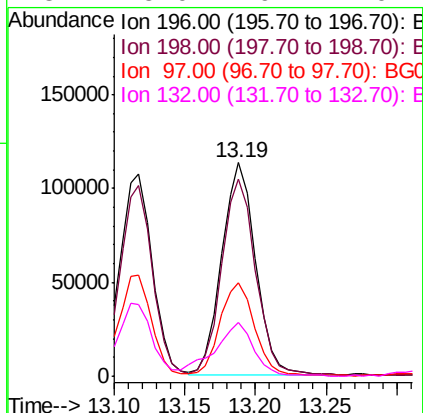
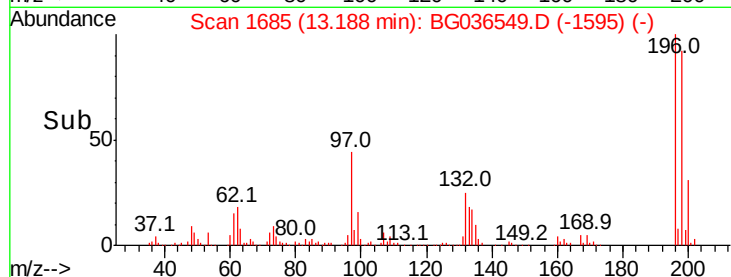
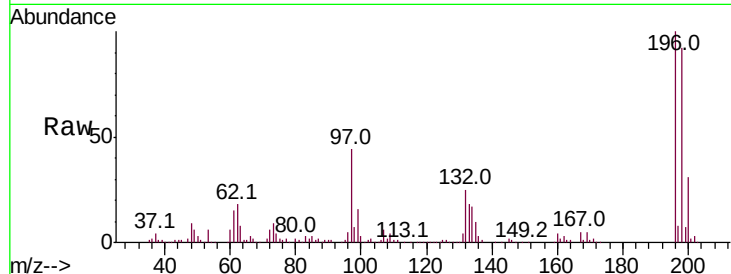




#43  
 2,4,5-Trichlorophenol  
 Concen: 48.565 ng  
 RT: 13.19 min Scan# 1685  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

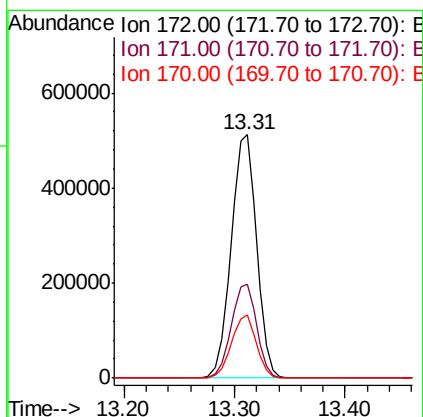
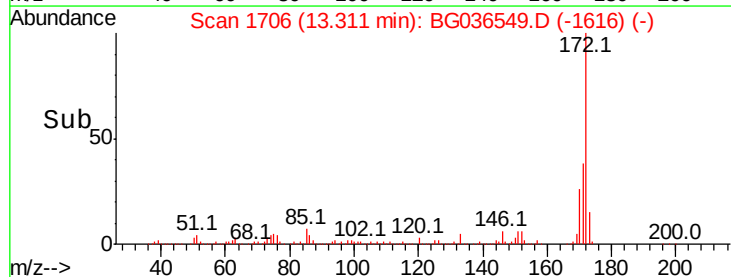
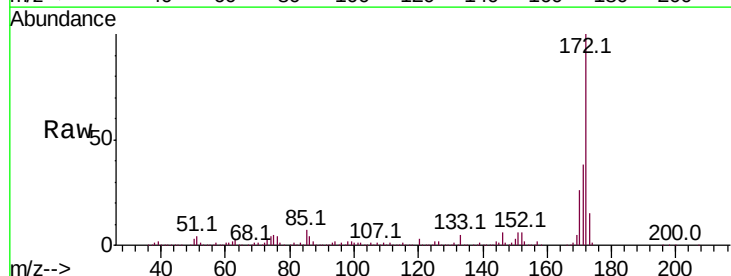
Instrument :  
 BNA\_G  
 ClientSampleId :

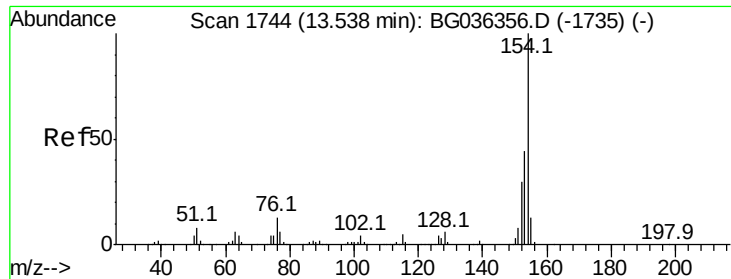
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.4  | 75.6  | 113.4 |
| 97      | 43.7  | 37.2  | 55.8  |
| 132     | 25.0  | 19.4  | 29.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 69.823 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 31.3  | 46.9  |
| 170     | 25.8  | 21.0  | 31.6  |





#45

1,1'-Biphenyl

Concen: 41.880 ng

RT: 13.52 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampled :

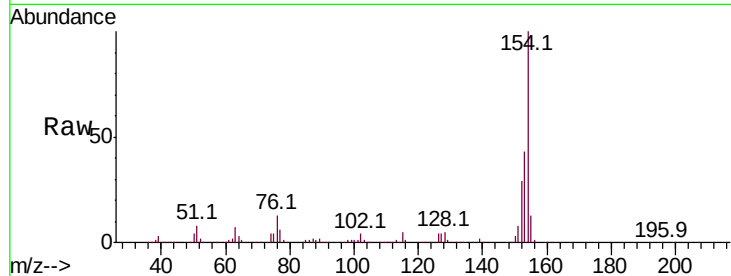
Tot Ion:154 Resp: 587859

Ion Ratio Lower Upper

154 100

153 43.4 24.0 64.0

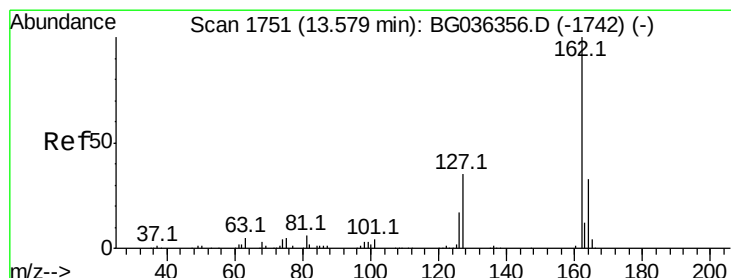
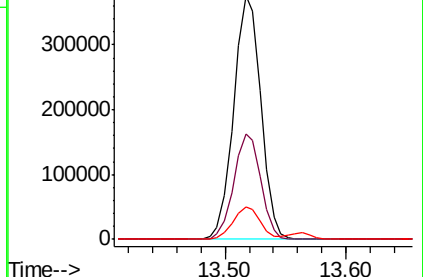
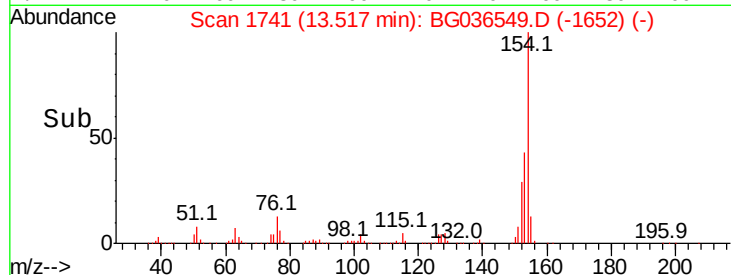
76 13.3 0.0 32.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 42.327 ng

RT: 13.56 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

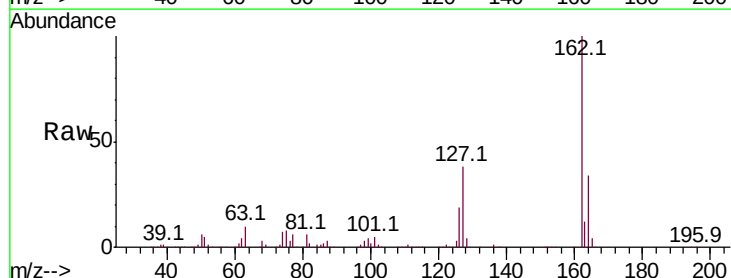
Tgt Ion:162 Resp: 453570

Ion Ratio Lower Upper

162 100

127 38.0 30.7 46.1

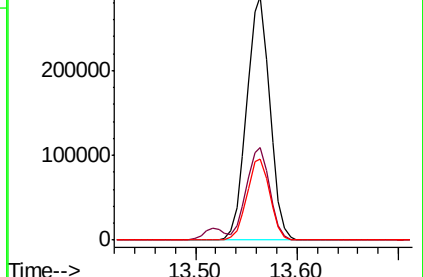
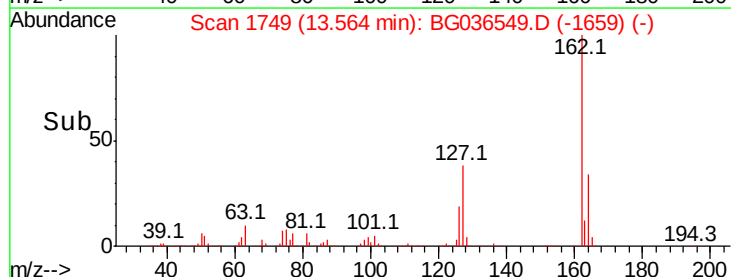
164 33.6 26.7 40.1

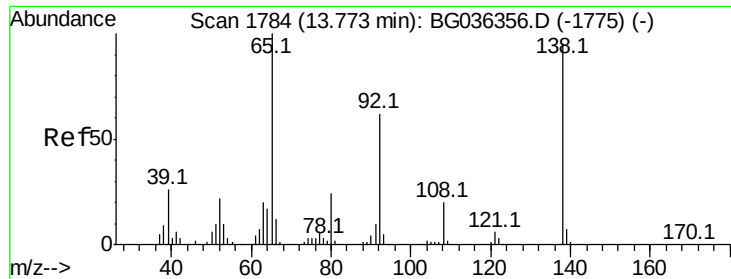


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

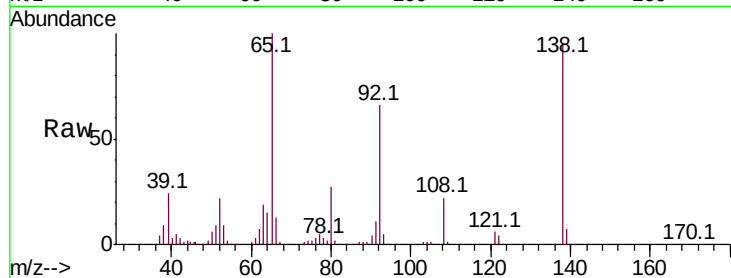




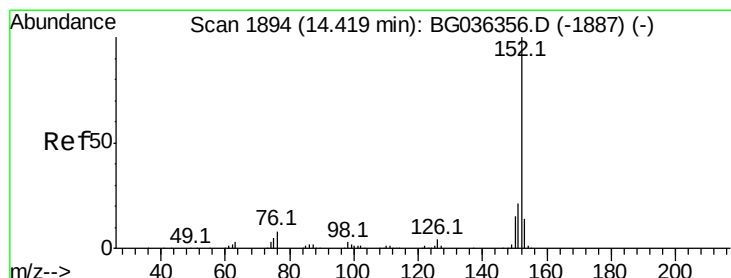
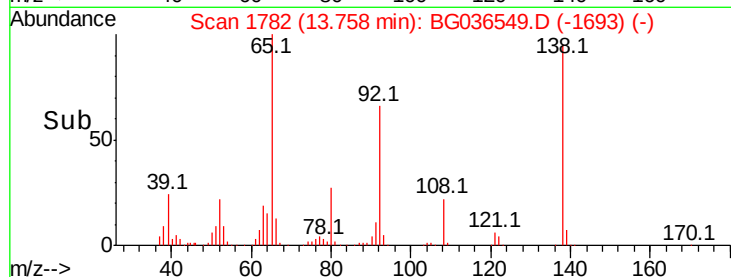
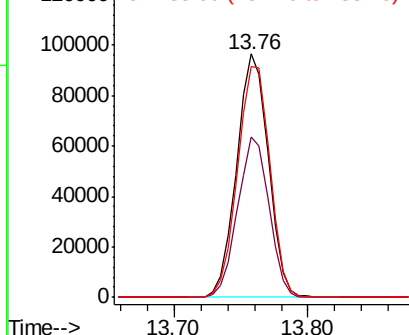
#47  
2-Nitroaniline  
Concen: 47.001 ng  
RT: 13.76 min Scan# 1782  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 65 Resp: 158158  
Ion Ratio Lower Upper  
65 100  
92 65.7 49.9 74.9  
138 95.0 76.2 114.4

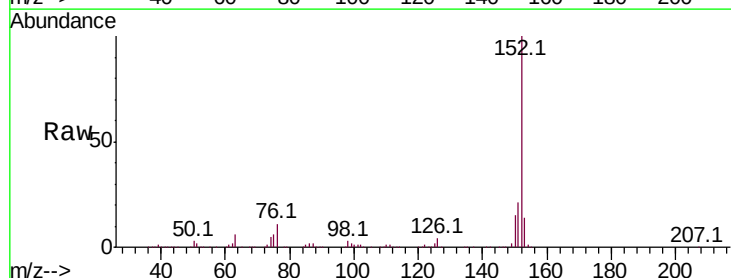


Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

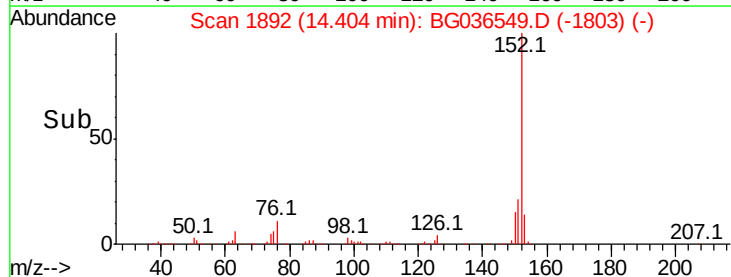
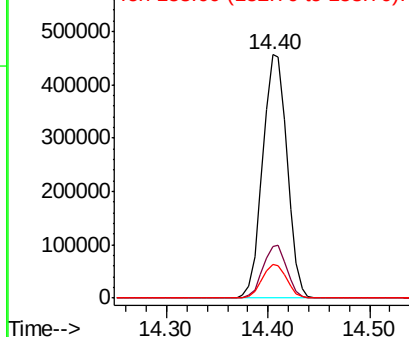


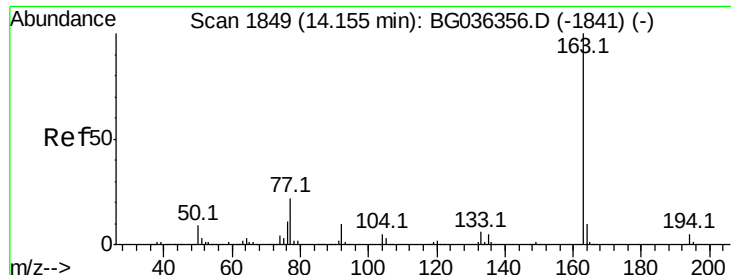
#48  
Acenaphthylene  
Concen: 45.713 ng  
RT: 14.40 min Scan# 1892  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion: 152 Resp: 765564  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.9 25.3  
153 13.7 11.2 16.8



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: 45.121 ng

RT: 14.14 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampled :

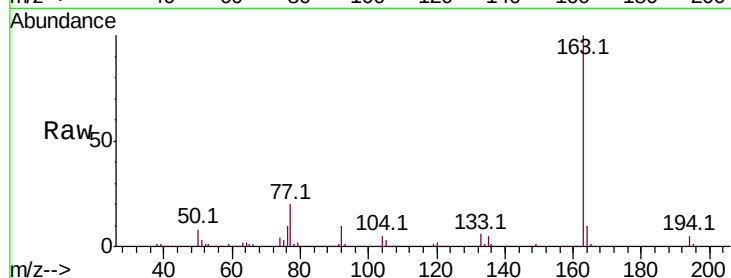
Tot Ion:163 Resp: 623041

Ion Ratio Lower Upper

163 100

194 5.1 4.0 6.0

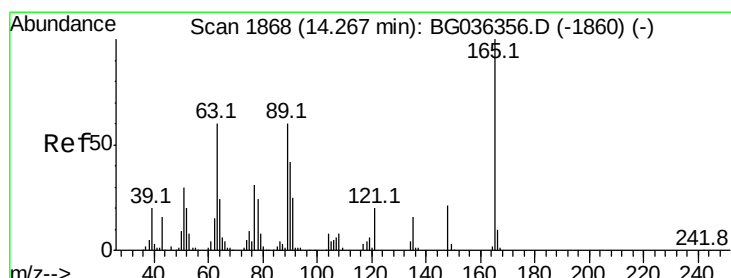
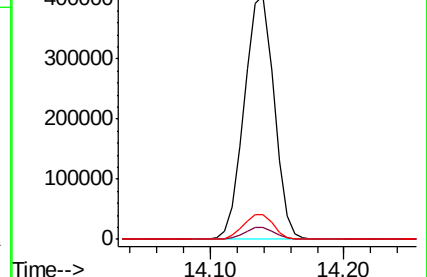
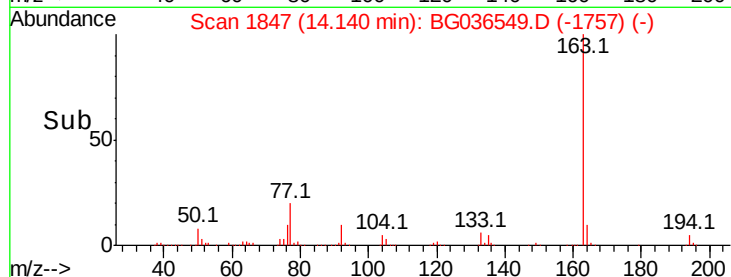
164 10.3 8.1 12.1



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: 48.460 ng

RT: 14.25 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

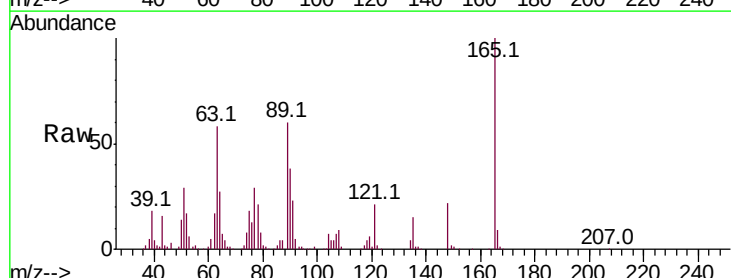
Tgt Ion:165 Resp: 137690

Ion Ratio Lower Upper

165 100

63 57.5 50.1 75.1

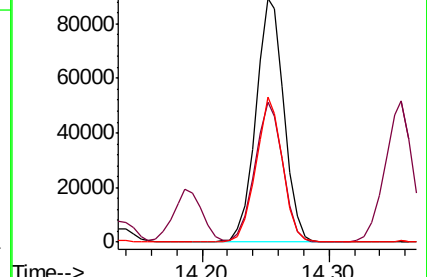
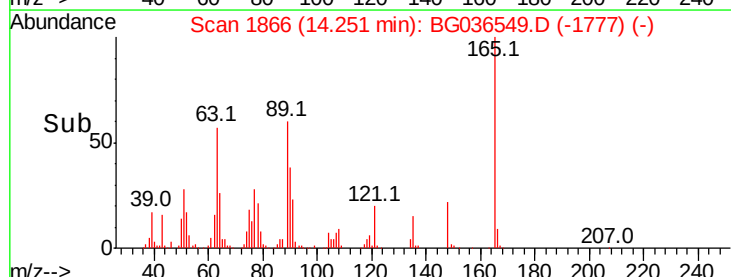
89 59.8 47.8 71.6

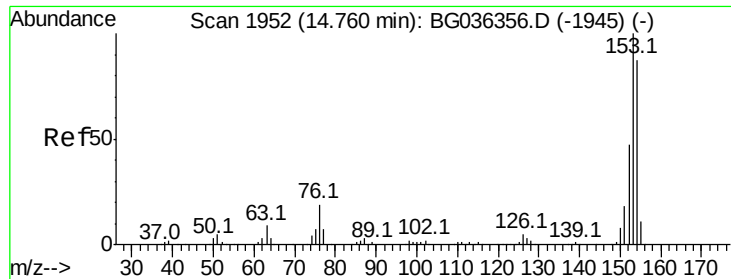


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#51

Acenaphthene

Concen: 45.127 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

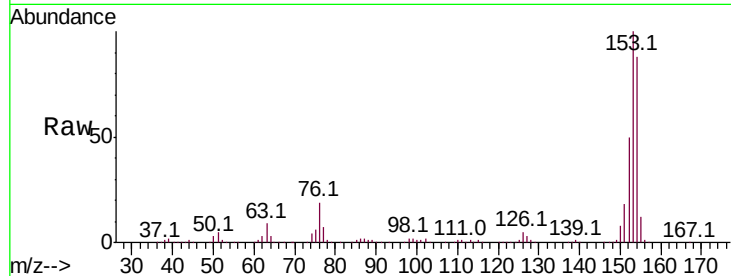
Tot Ion:154 Resp: 484017

Ion Ratio Lower Upper

154 100

153 113.5 91.8 137.6

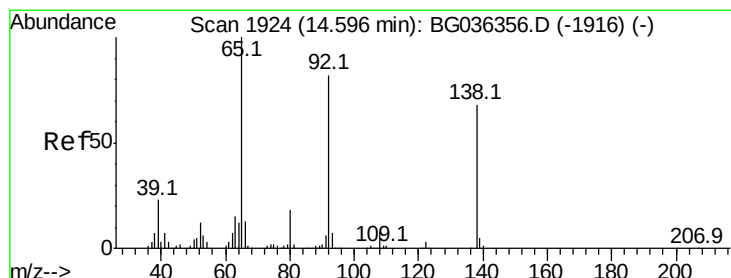
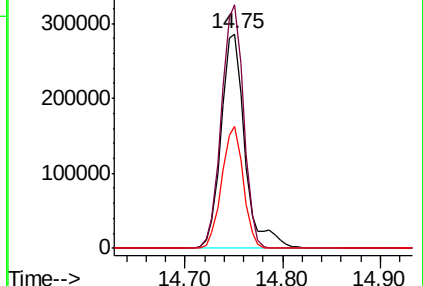
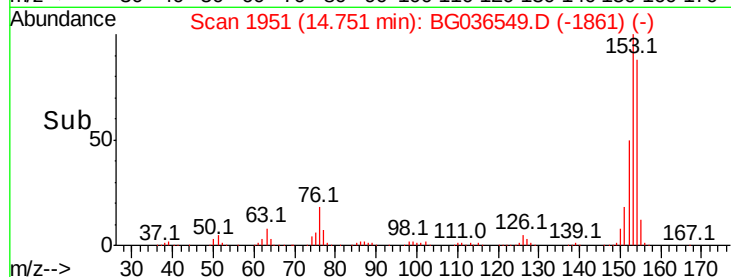
152 56.6 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.272 ng

RT: 14.58 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

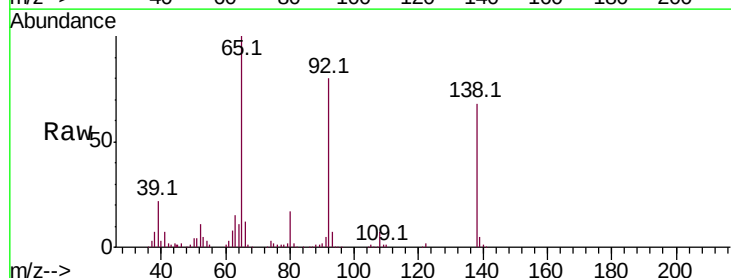
Tgt Ion:138 Resp: 92690

Ion Ratio Lower Upper

138 100

108 9.9 9.4 14.2

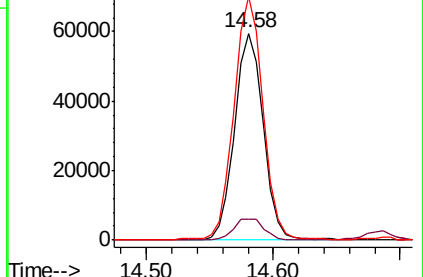
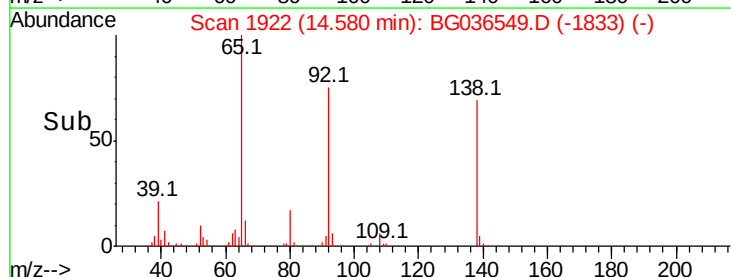
92 117.8 96.8 145.2

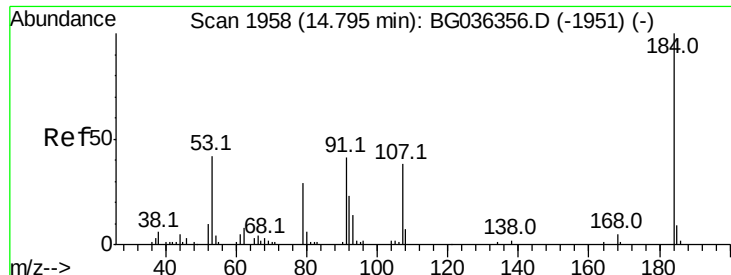


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

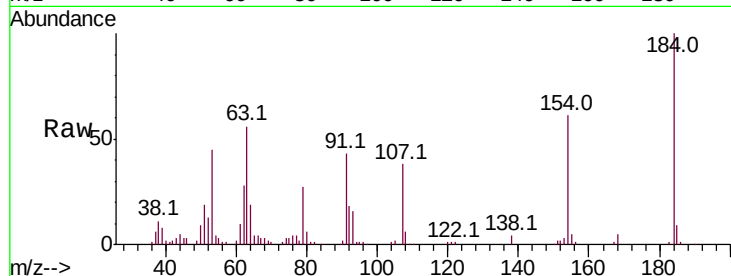




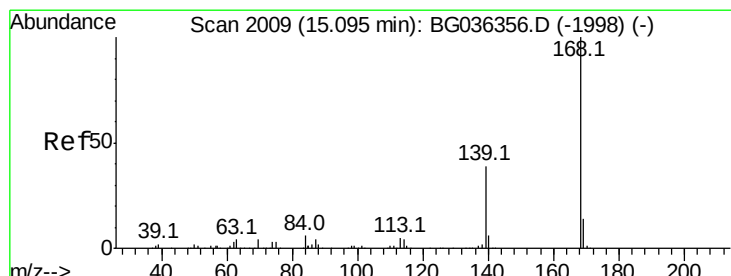
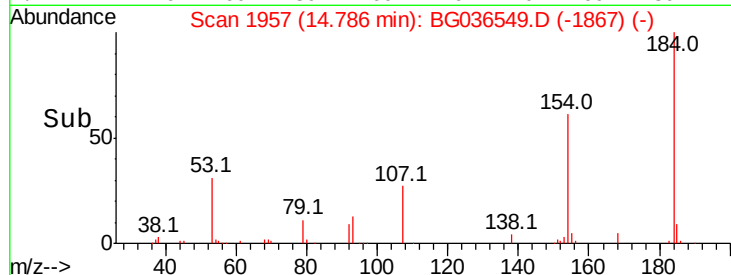
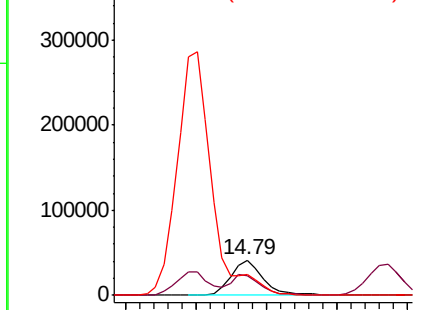
#53  
 2,4-Dinitrophenol  
 Concen: 60.812 ng  
 RT: 14.79 min Scan# 1957  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:184 Resp: 65448  
 Ion Ratio Lower Upper  
 184 100  
 63 55.8 47.3 70.9  
 154 60.9 51.1 76.7

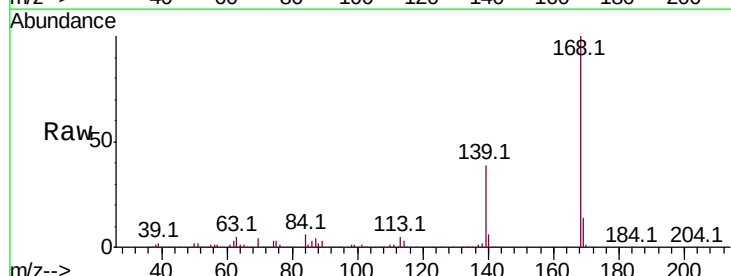


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 154.00 (153.70 to 154.70): E

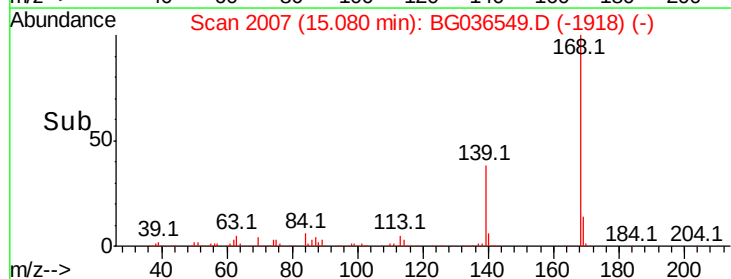
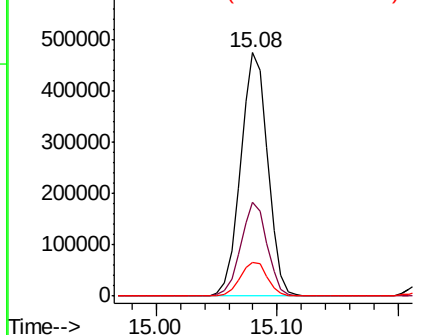


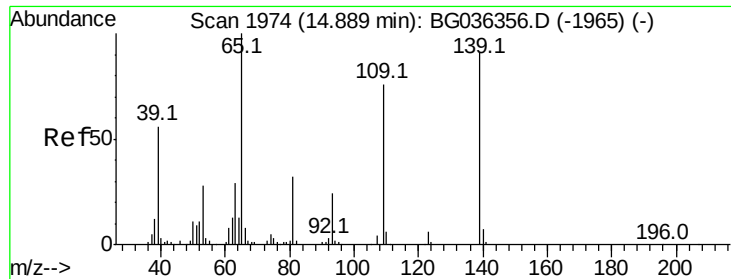
#54  
 Dibenzofuran  
 Concen: 43.973 ng  
 RT: 15.08 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion:168 Resp: 738896  
 Ion Ratio Lower Upper  
 168 100  
 139 38.5 31.0 46.6  
 169 14.1 11.1 16.7



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

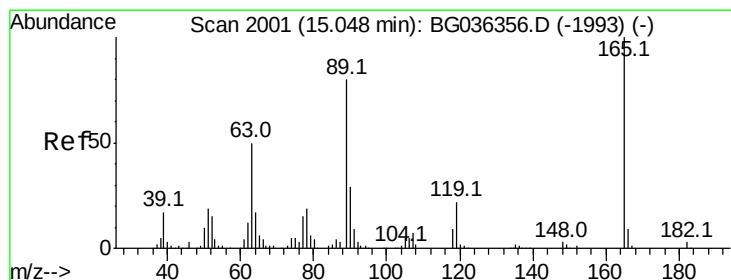
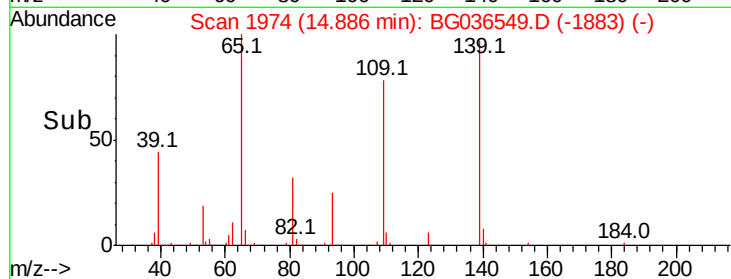
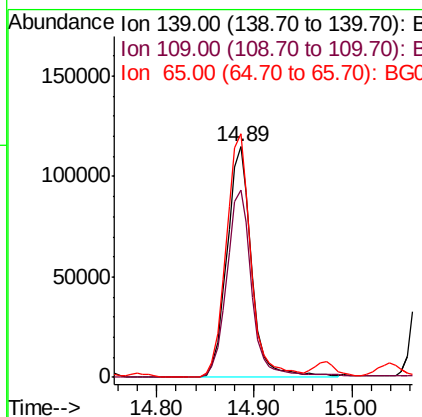
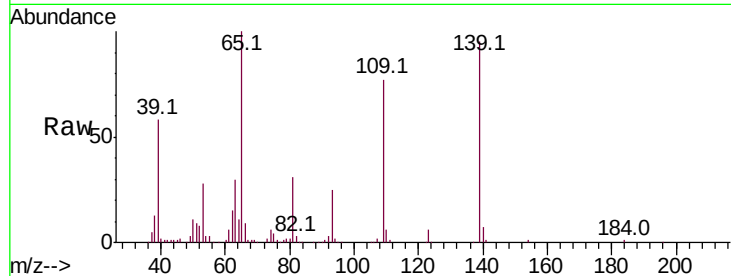




#55  
4-Nitrophenol  
Concen: 80.411 ng  
RT: 14.89 min Scan# 1974  
Delta R.T. 0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

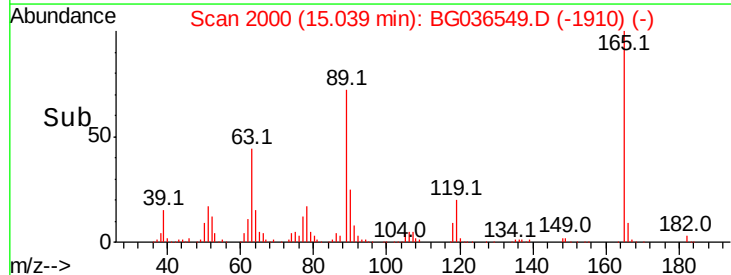
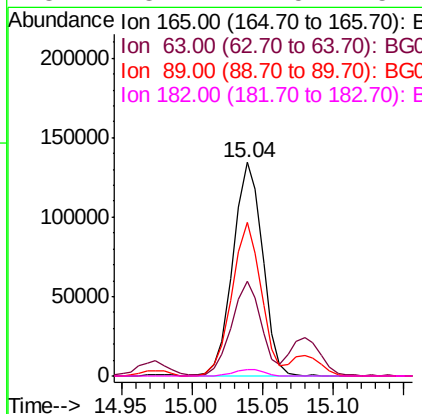
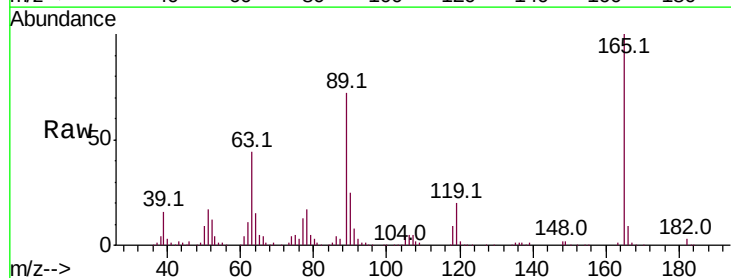
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 81.2  | 63.9  | 103.9 |
| 65      | 105.6 | 90.0  | 130.0 |

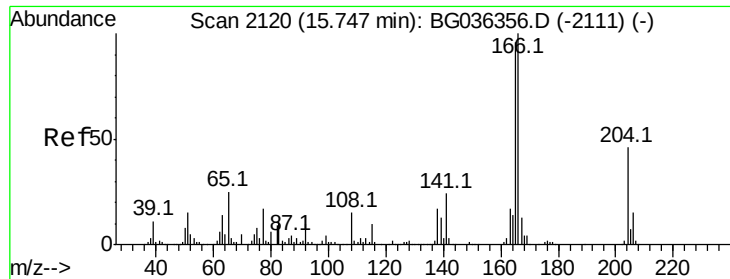


#56  
2,4-Dinitrotoluene  
Concen: 53.207 ng  
RT: 15.04 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.4  | 40.1  | 60.1  |
| 89      | 71.7  | 63.7  | 95.5  |
| 182     | 3.2   | 2.5   | 3.7   |



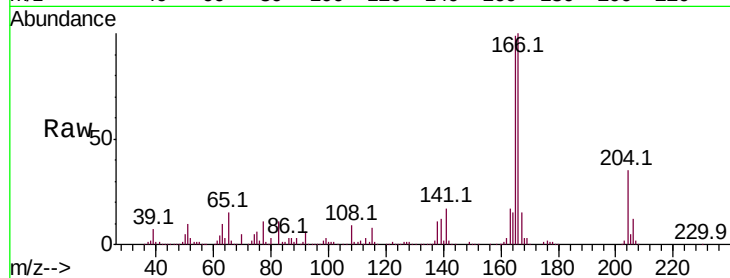




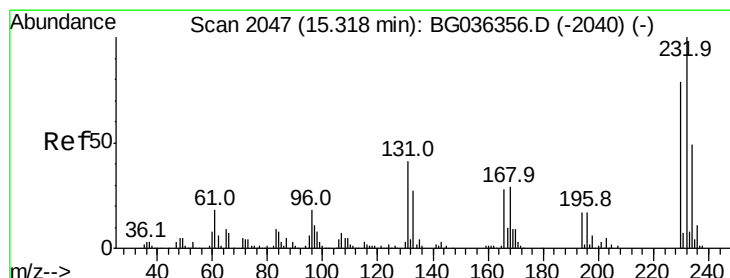
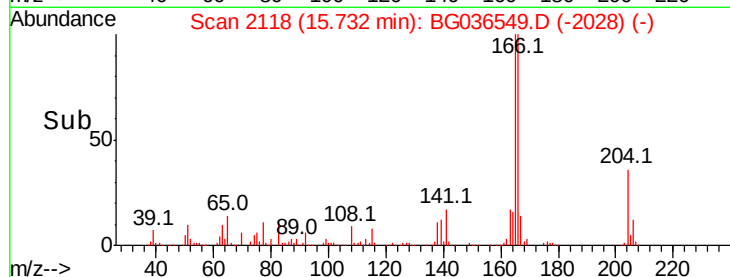
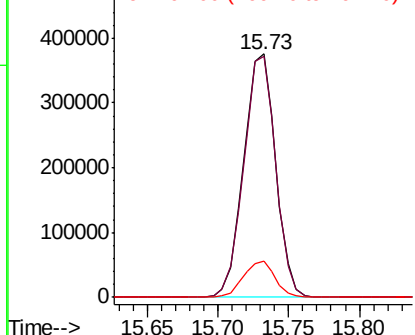
#57  
 Fluorene  
 Concen: 47.368 ng  
 RT: 15.73 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:166 Resp: 595022  
 Ion Ratio Lower Upper  
 166 100  
 165 98.9 77.0 115.4  
 167 14.6 10.6 16.0

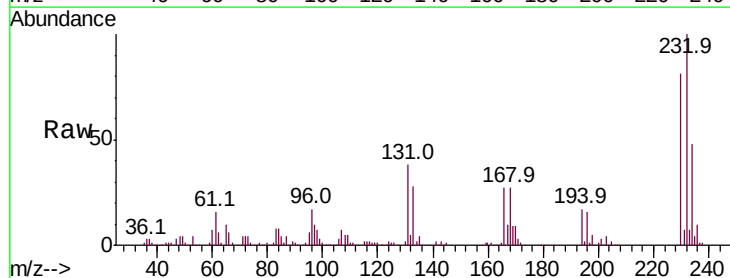


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

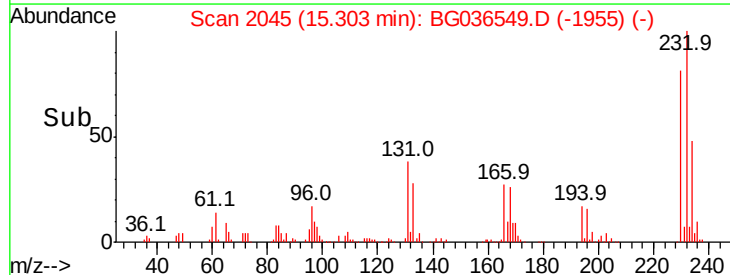
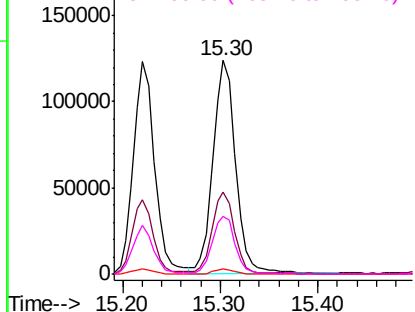


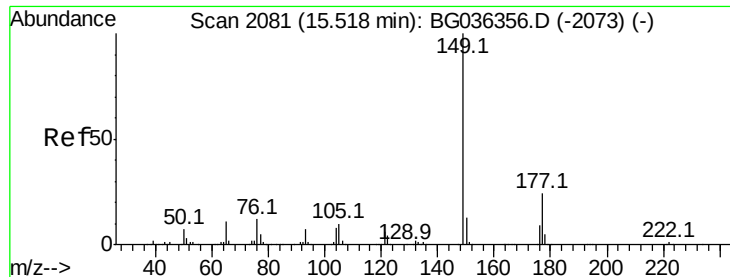
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 54.443 ng  
 RT: 15.30 min Scan# 2045  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion:232 Resp: 198885  
 Ion Ratio Lower Upper  
 232 100  
 131 38.1 33.8 50.8  
 130 2.2 2.1 3.1  
 166 27.1 22.3 33.5



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

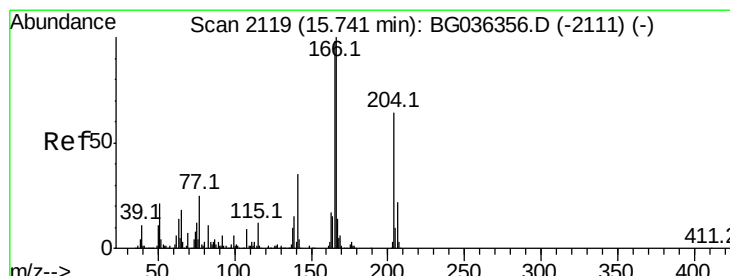
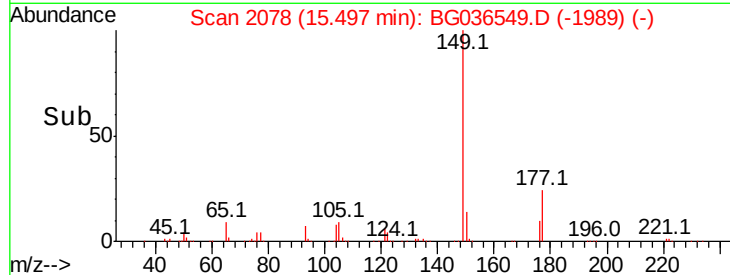
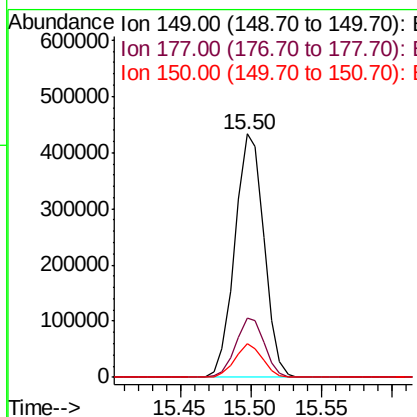
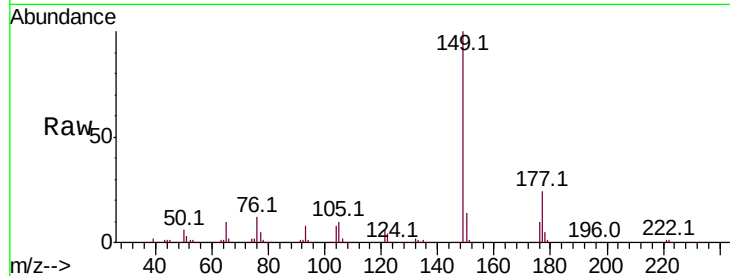




#59  
 Diethylphthalate  
 Concen: 44.639 ng  
 RT: 15.50 min Scan# 2078  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

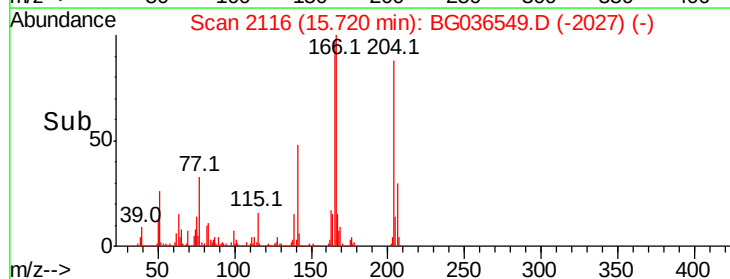
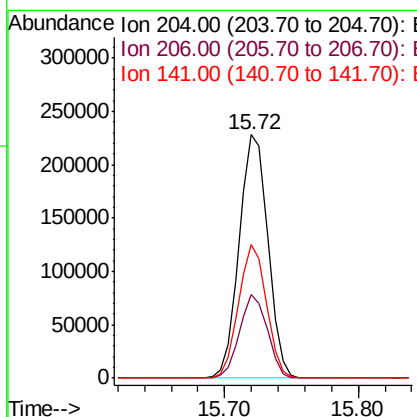
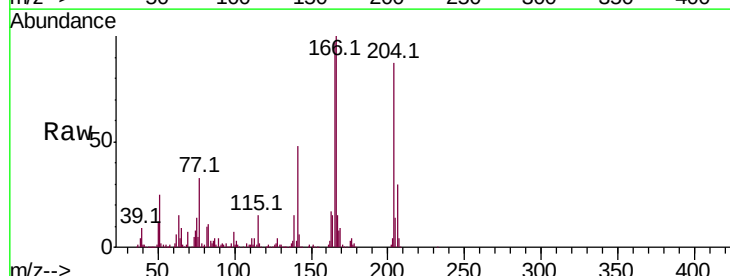
Instrument :  
 BNA\_G  
 ClientSampleId :

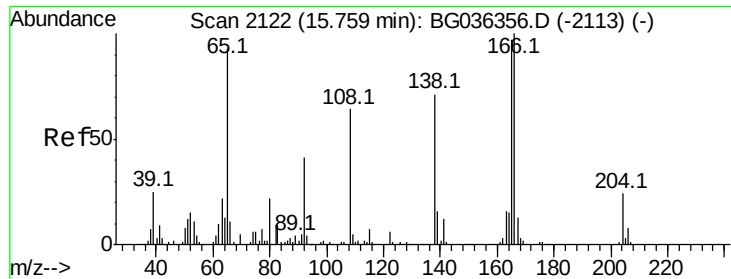
|             |              |
|-------------|--------------|
| Tot Ion:149 | Resp: 621183 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 177 24.2    | 19.1 28.7    |
| 150 13.7    | 10.7 16.1    |



#60  
 4-Chlorophenyl-phenylether  
 Concen: 43.715 ng  
 RT: 15.72 min Scan# 2116  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:204 | Resp: | 339091 |
| Ion | Ratio   | Lower | Upper  |
| 204 | 100     |       |        |
| 206 | 34.1    | 27.0  | 40.4   |
| 141 | 54.8    | 43.8  | 65.6   |

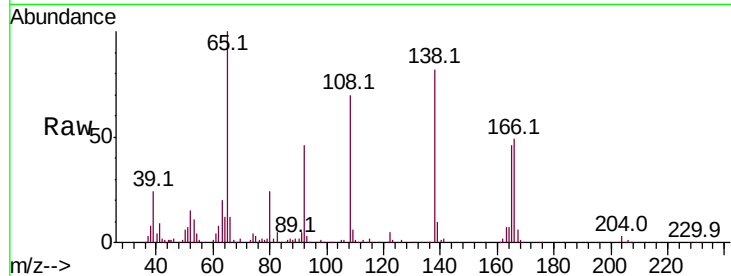




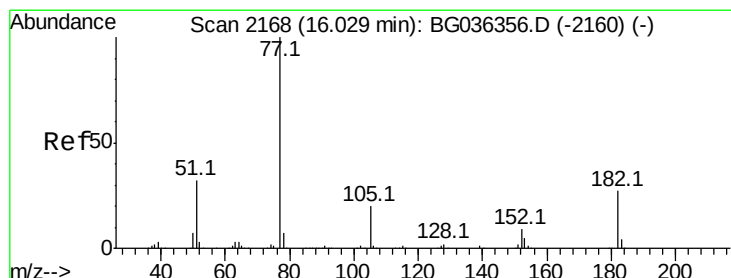
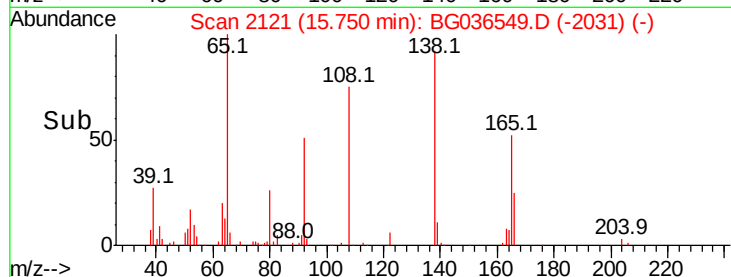
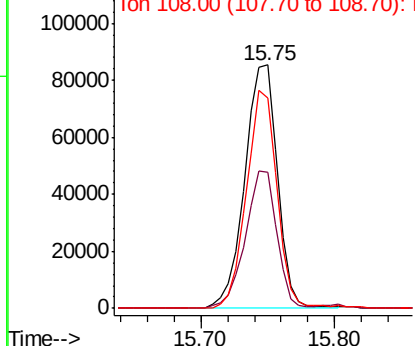
#61  
4-Nitroaniline  
Concen: 44.938 ng  
RT: 15.75 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:138 Resp: 143984  
Ion Ratio Lower Upper  
138 100  
92 55.8 38.5 78.5  
108 86.2 70.3 110.3

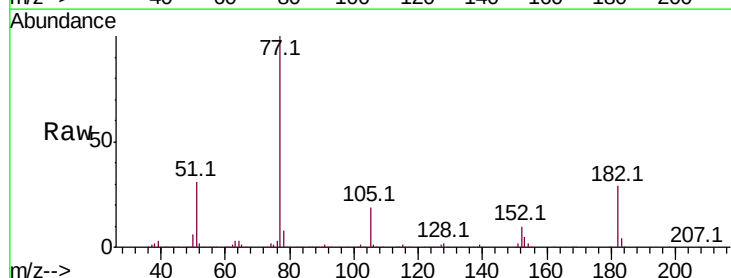


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BG  
Ion 108.00 (107.70 to 108.70): E

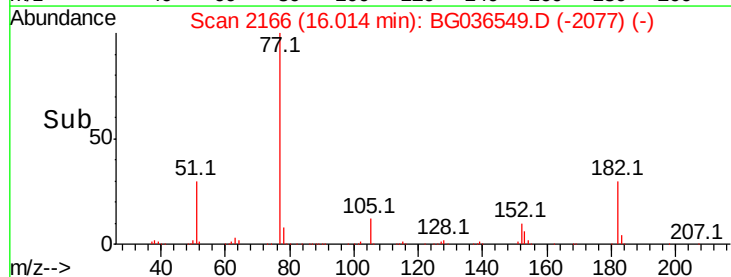
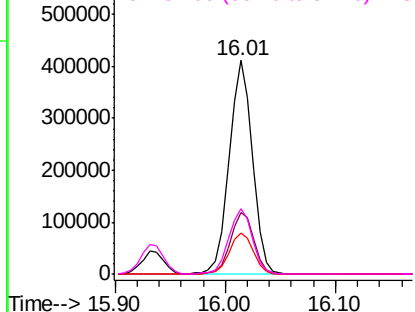


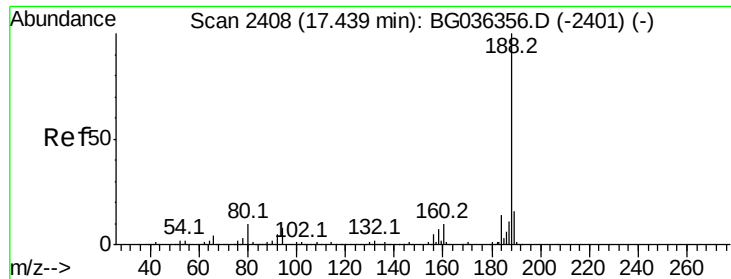
#62  
Azobenzene  
Concen: 42.895 ng  
RT: 16.01 min Scan# 2166  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion: 77 Resp: 607341  
Ion Ratio Lower Upper  
77 100  
182 28.8 6.7 46.7  
105 19.4 0.0 39.8  
51 30.8 12.4 52.4



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

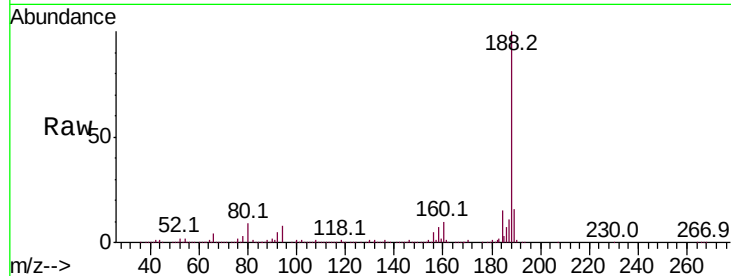
Tot Ion:188 Resp: 443327

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

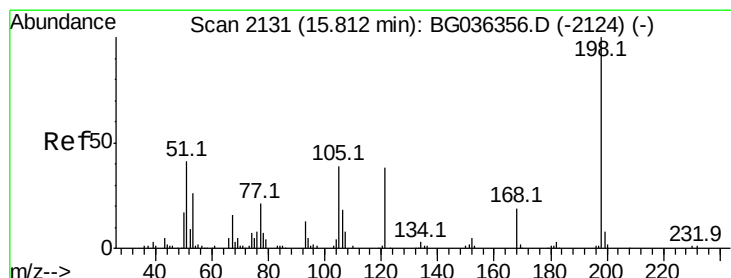
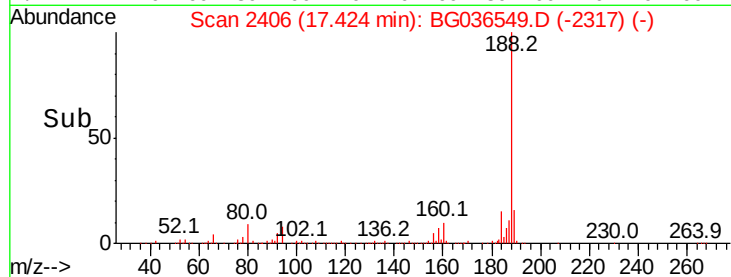
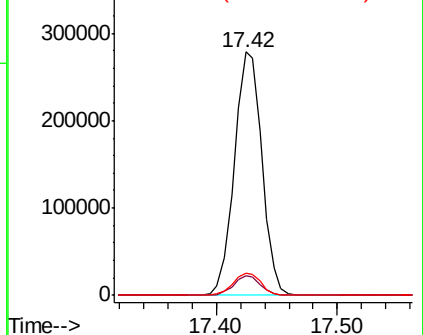
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 36.312 ng

RT: 15.80 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

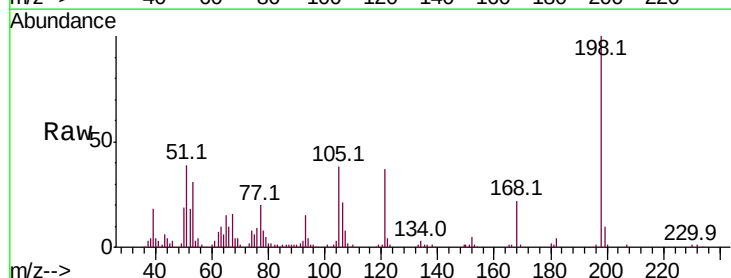
Tgt Ion:198 Resp: 70716

Ion Ratio Lower Upper

198 100

51 39.3 26.5 66.5

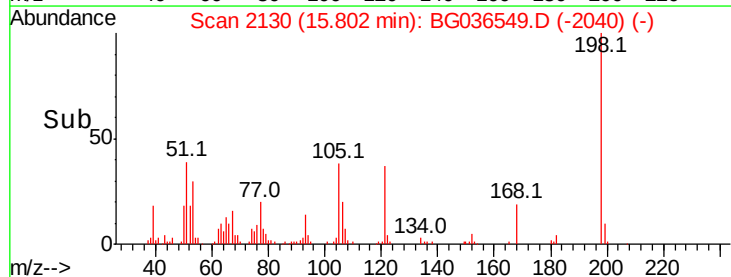
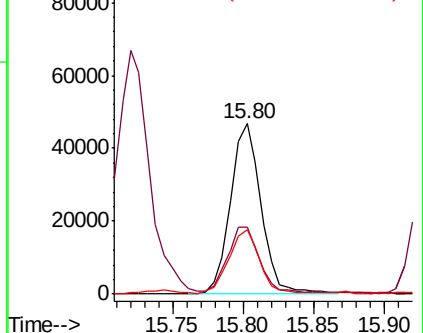
105 38.0 20.2 60.2

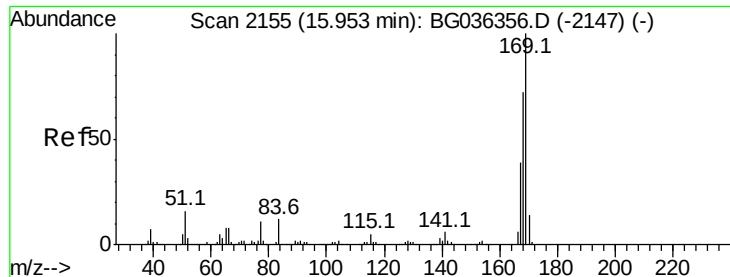


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

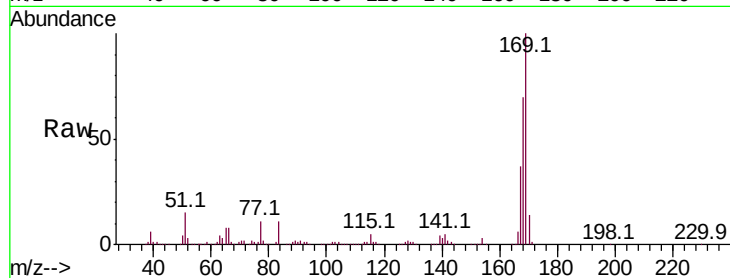




#65  
 n-Nitrosodiphenylamine  
 Concen: 41.797 ng  
 RT: 15.94 min Scan# 2153  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.1  | 57.6  | 86.4  |
| 167     | 36.9  | 31.0  | 46.4  |

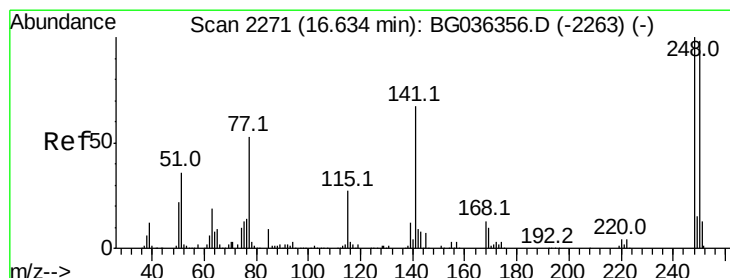
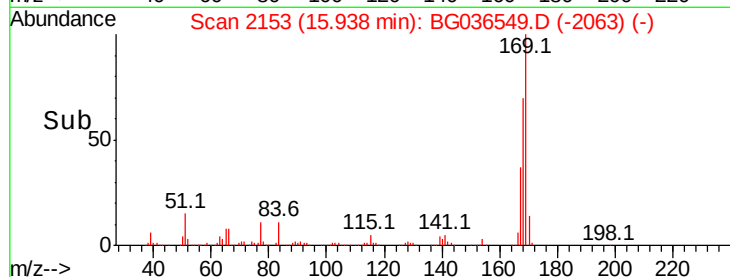
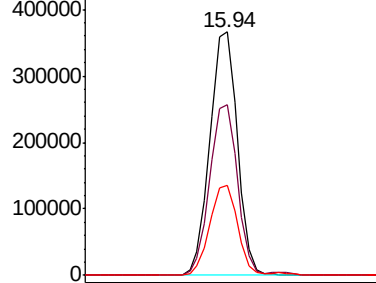


Abundance

Ion 169.00 (168.70 to 169.70): E

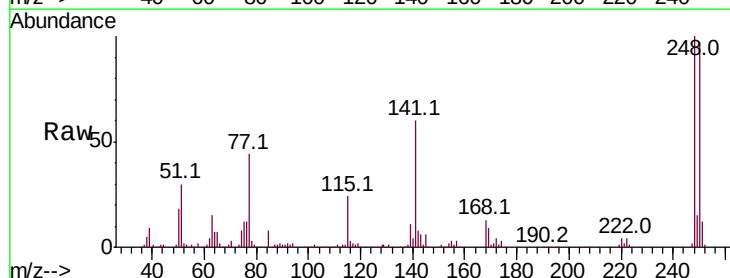
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66  
 4-Bromophenyl-phenylether  
 Concen: 44.069 ng  
 RT: 16.62 min Scan# 2269  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.7  | 78.1  | 117.1 |
| 141     | 60.0  | 53.7  | 80.5  |

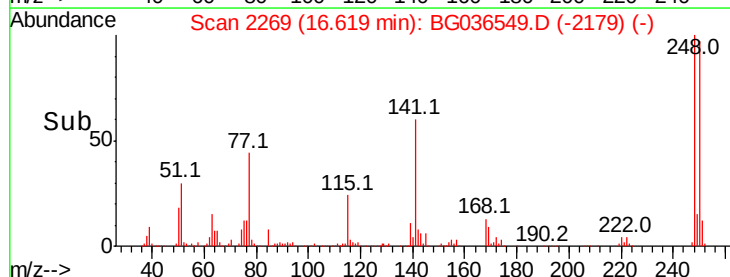
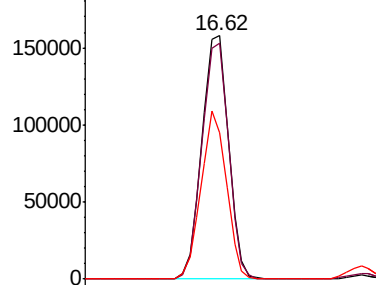


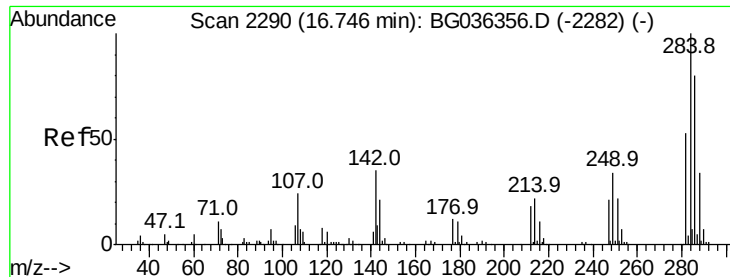
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

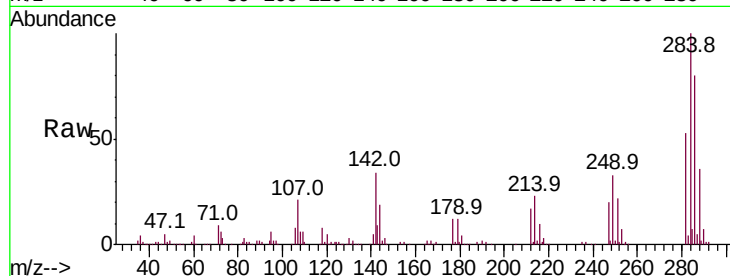




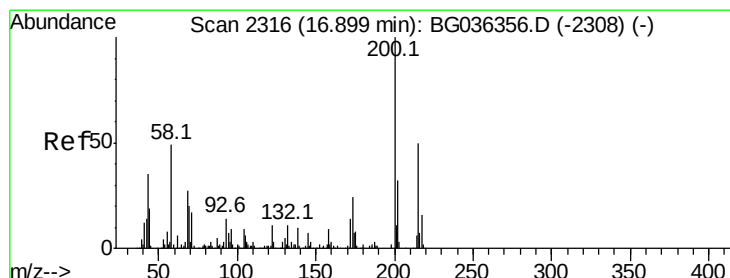
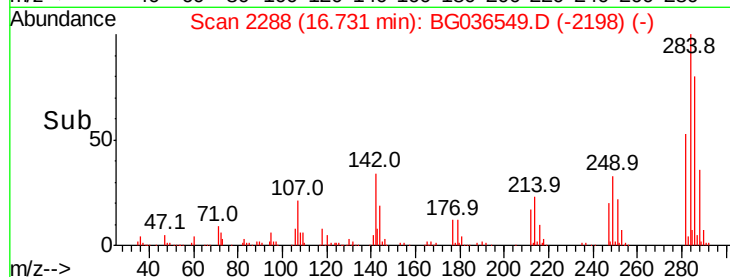
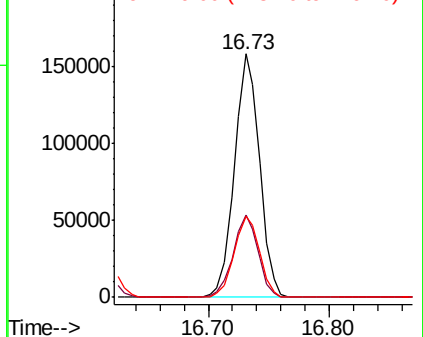
#67  
Hexachlorobenzene  
Concen: 42.969 ng  
RT: 16.73 min Scan# 2288  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.0  | 27.8  | 41.6  |
| 249     | 33.2  | 27.4  | 41.2  |

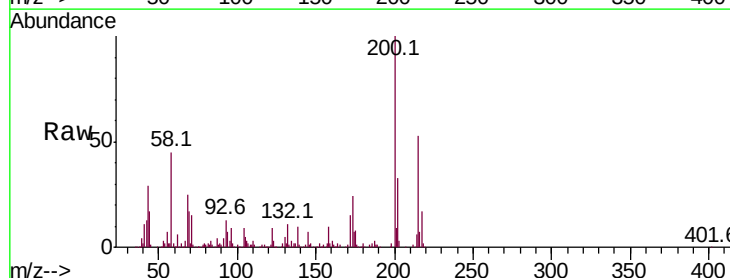


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

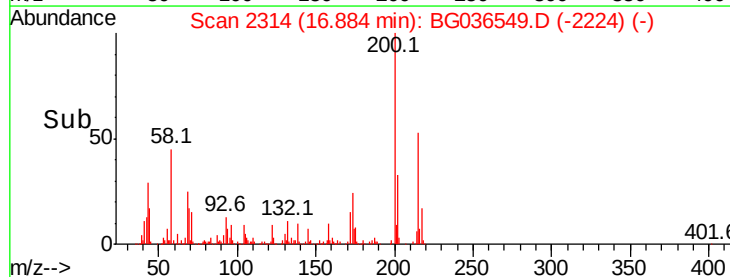
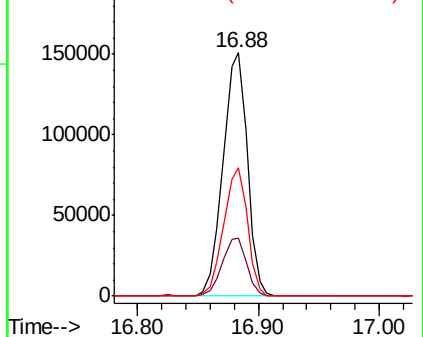


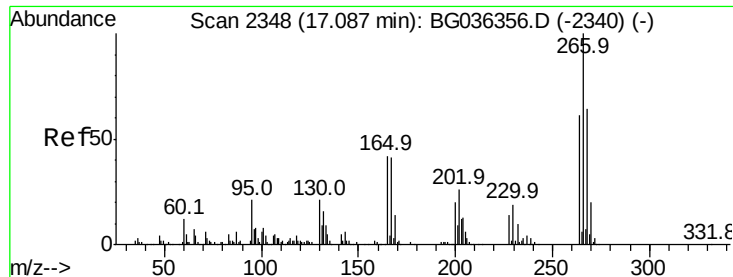
#68  
Atrazine  
Concen: 42.577 ng  
RT: 16.88 min Scan# 2314  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.7  | 3.9   | 43.9  |
| 215     | 52.9  | 30.4  | 70.4  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

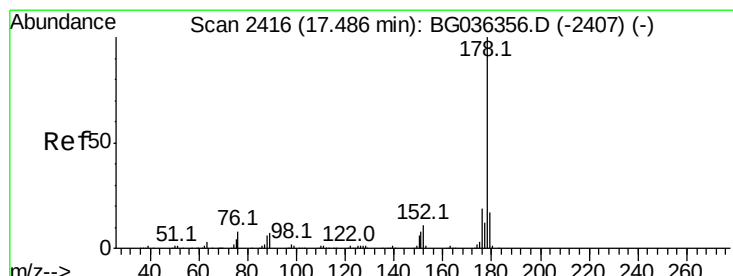
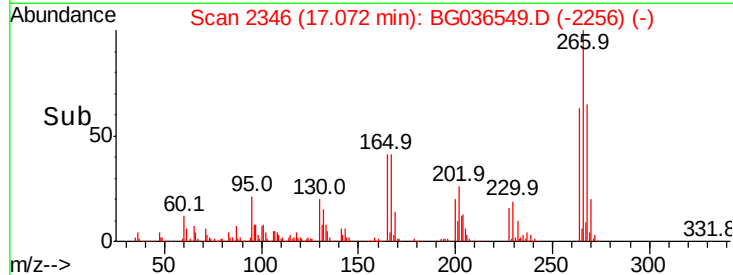
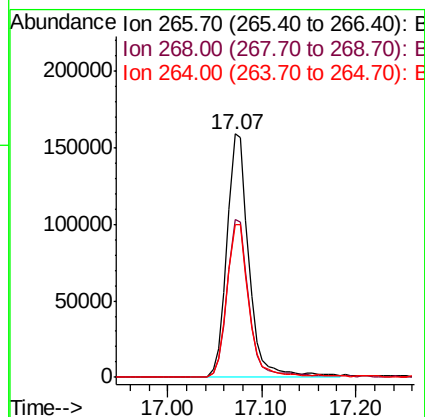
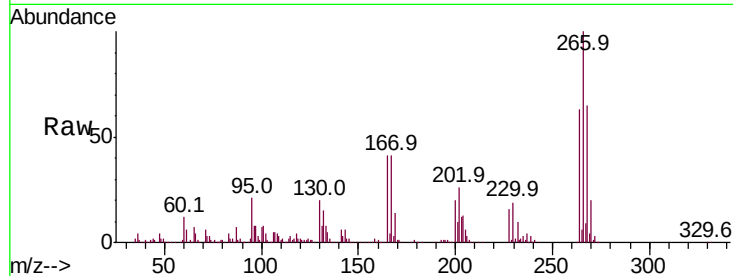




#69  
 Pentachlorophenol  
 Concen: 72.183 ng  
 RT: 17.07 min Scan# 2346  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

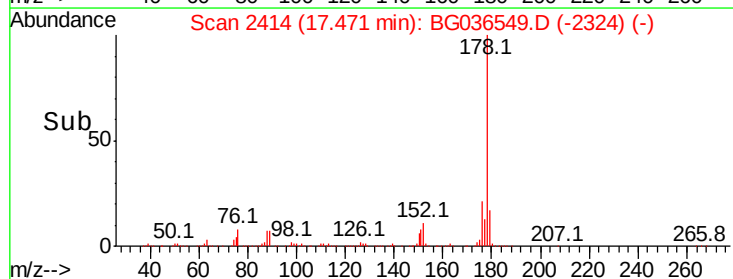
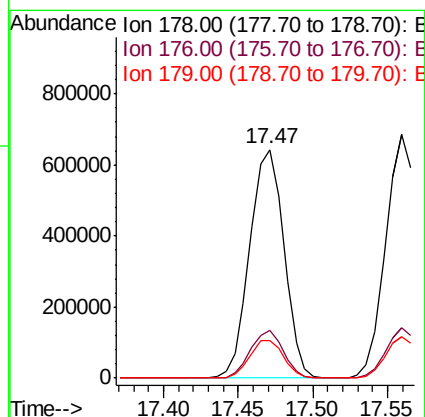
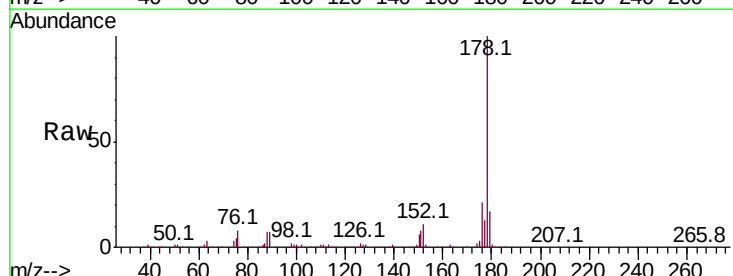
Instrument :  
 BNA\_G  
 ClientSampled :

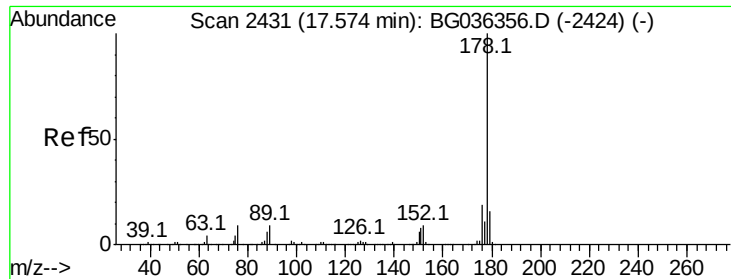
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.6  | 51.4  | 77.2  |
| 264     | 62.6  | 48.9  | 73.3  |



#70  
 Phenanthrene  
 Concen: 45.341 ng  
 RT: 17.47 min Scan# 2414  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.8  | 15.4  | 23.2  |
| 179     | 16.7  | 13.4  | 20.2  |

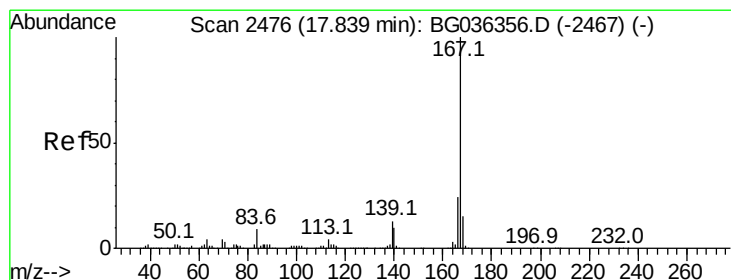
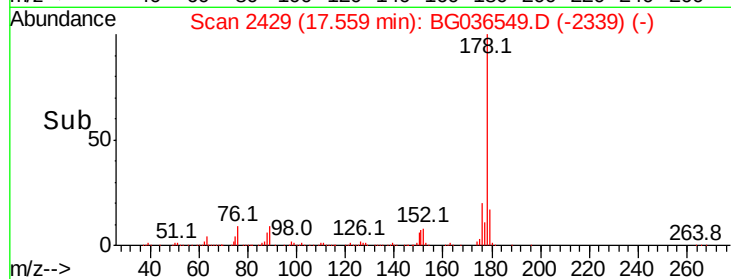
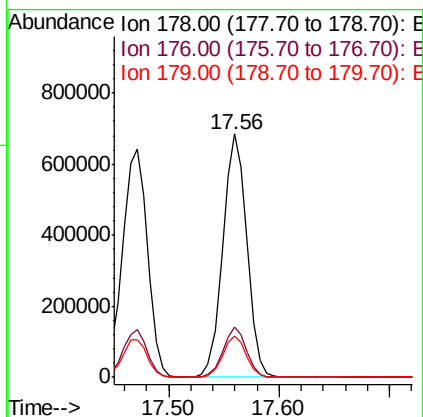
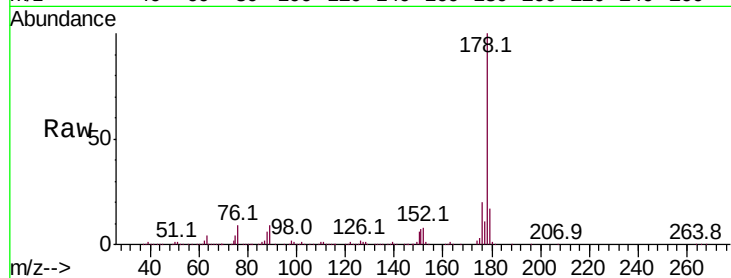




#71  
 Anthracene  
 Concen: 46.221 ng  
 RT: 17.56 min Scan# 2429  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

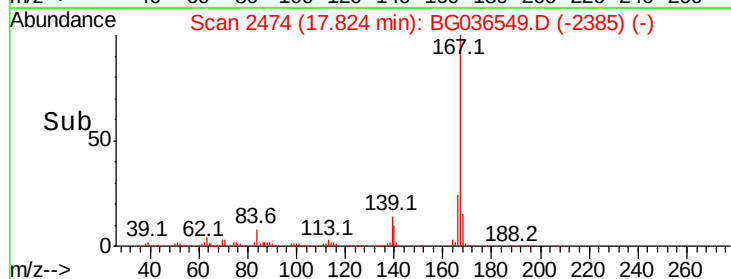
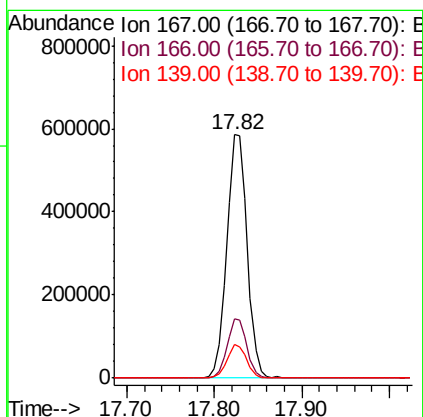
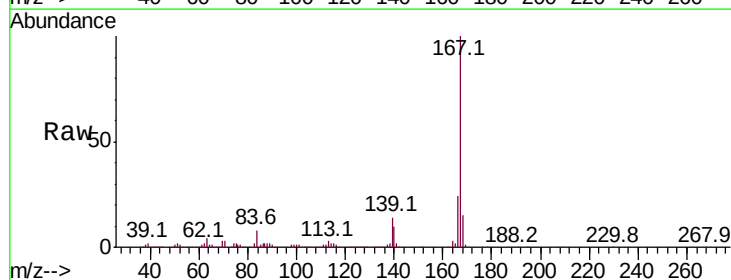
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:178 Resp: 1037907  
 Ion Ratio Lower Upper  
 178 100  
 176 20.5 15.4 23.2  
 179 16.9 13.0 19.4

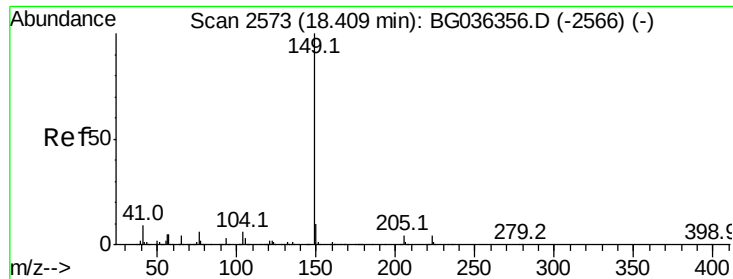


#72  
 Carbazole  
 Concen: 41.621 ng  
 RT: 17.82 min Scan# 2474  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion:167 Resp: 933392  
 Ion Ratio Lower Upper  
 167 100  
 166 24.1 19.5 29.3  
 139 13.9 10.7 16.1







#73

Di-n-butylphthalate

Concen: 42.693 ng

RT: 18.39 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

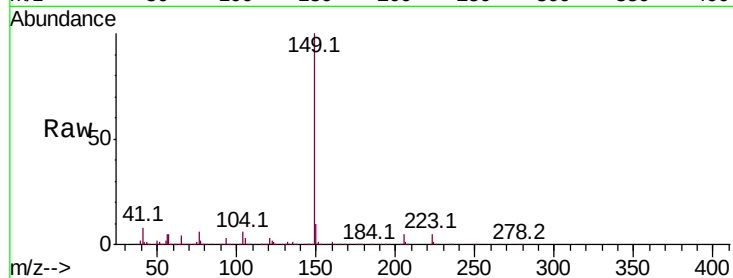
Tot Ion:149 Resp: 1066160

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

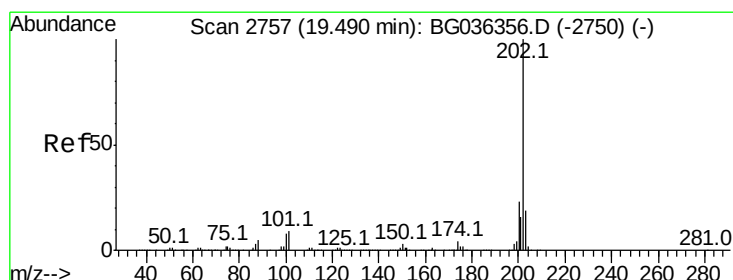
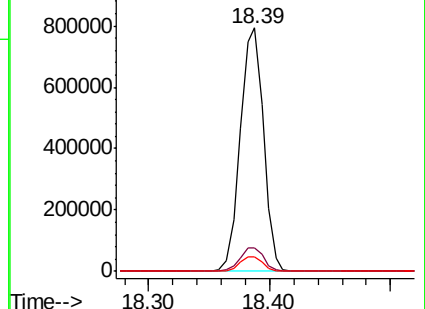
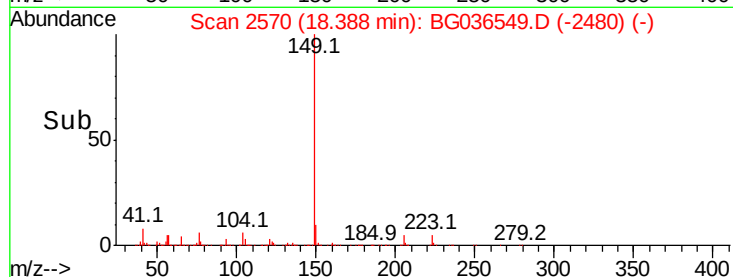
104 6.0 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.768 ng

RT: 19.47 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

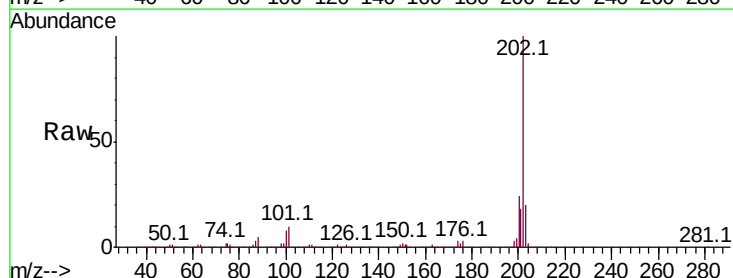
Tgt Ion:202 Resp: 1257014

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

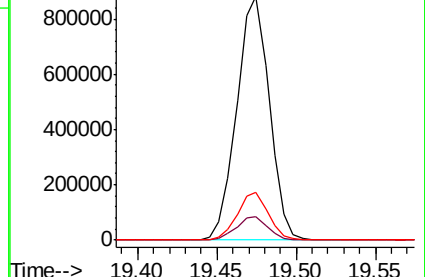
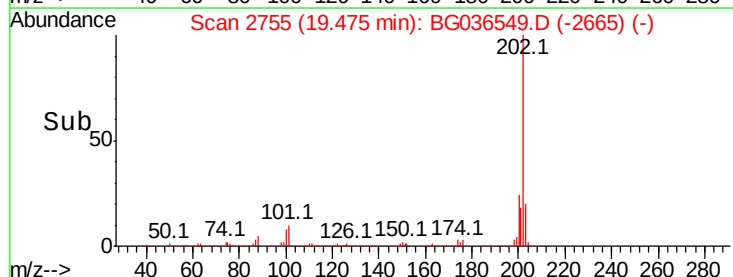
203 19.8 0.0 38.9

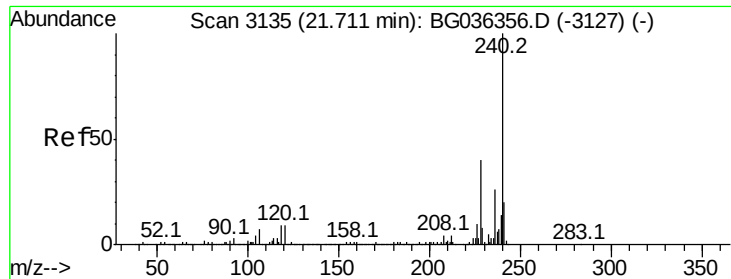


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

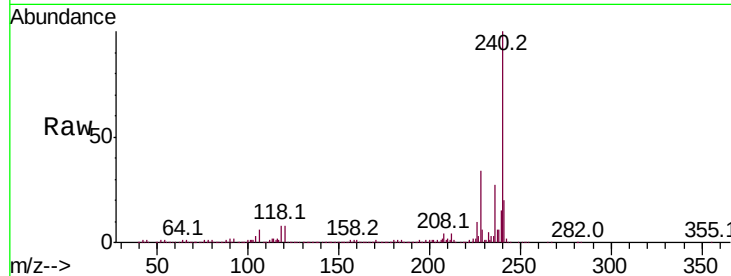
Tot Ion:240 Resp: 450527

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 7.9   | 6.9   | 10.3  |
| 236 | 26.9  | 21.2  | 31.8  |

240 100

120 7.9 6.9 10.3

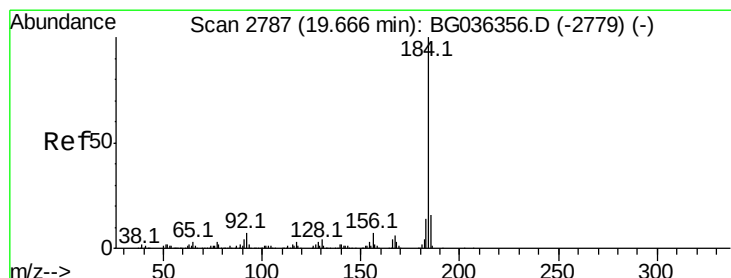
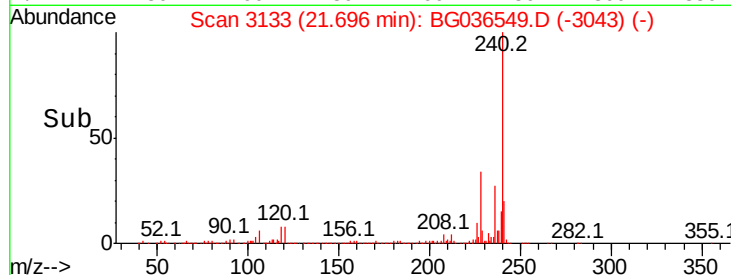
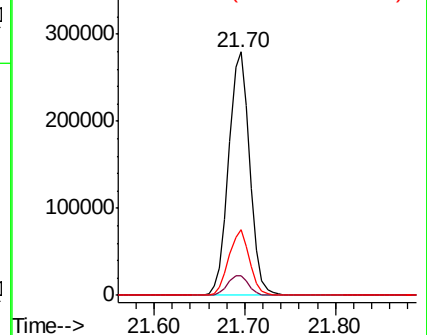
236 26.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 5.558 ng

RT: 19.65 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

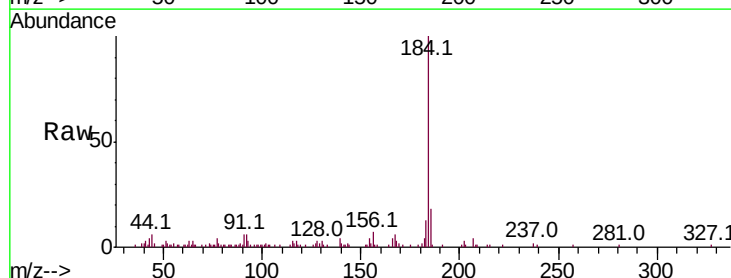
Tgt Ion:184 Resp: 79885

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 17.6  | 12.6  | 18.8  |
| 183 | 13.0  | 10.9  | 16.3  |

184 100

185 17.6 12.6 18.8

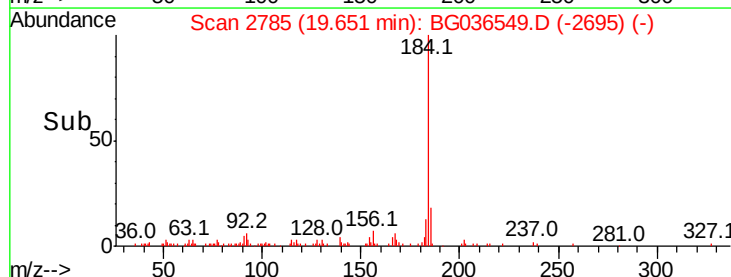
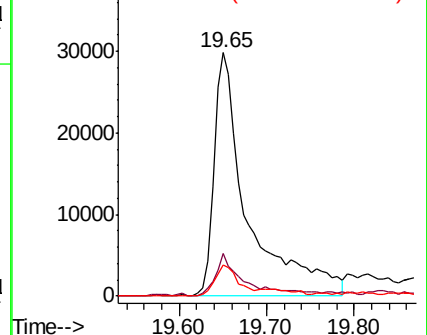
183 13.0 10.9 16.3

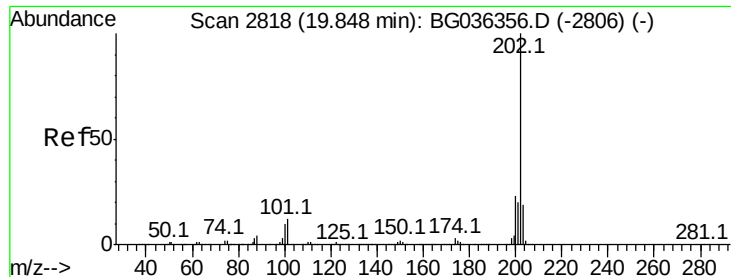


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

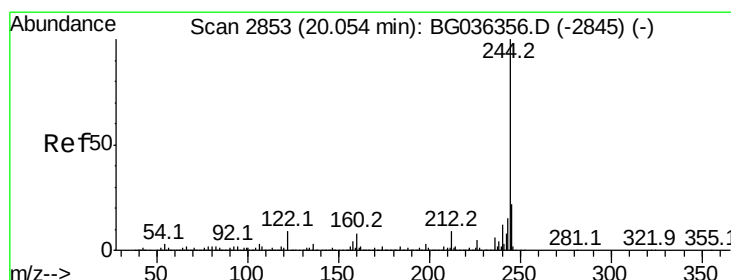
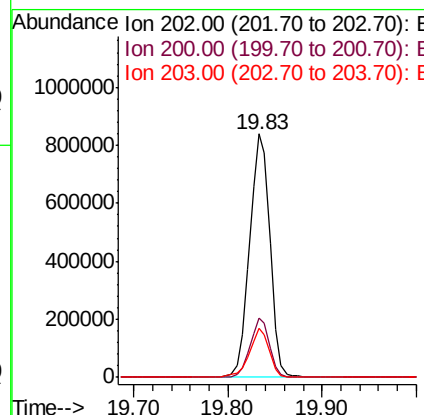
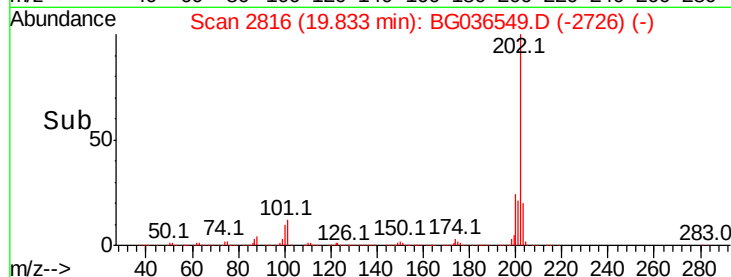
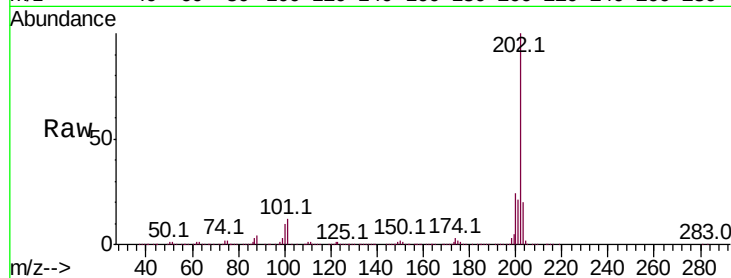




#77  
Pvrene  
Concen: 45.060 ng  
RT: 19.83 min Scan# 2816  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

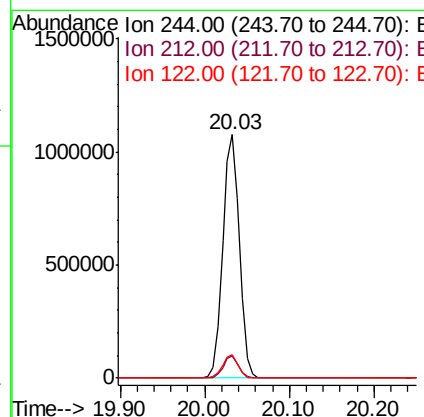
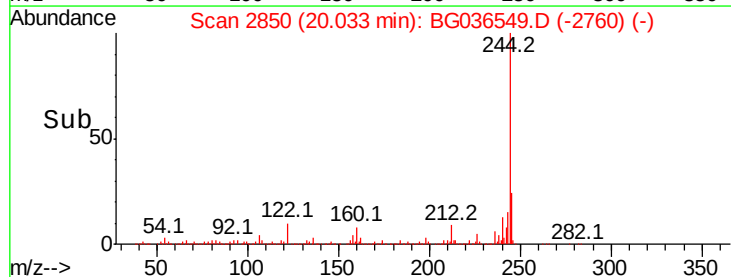
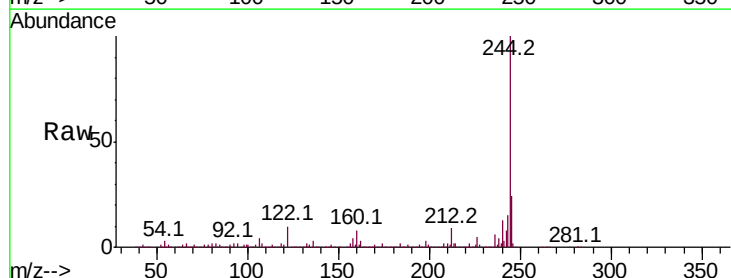
Instrument :  
BNA\_G  
ClientSampleId :

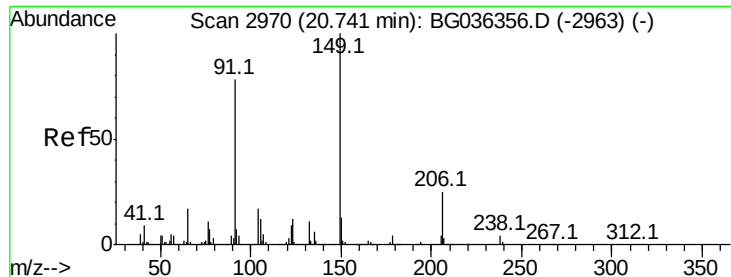
Tot Ion:202 Resp: 1248381  
Ion Ratio Lower Upper  
202 100  
200 24.4 18.3 27.5  
203 20.2 15.1 22.7



#78  
Terphenyl-d14  
Concen: 76.878 ng  
RT: 20.03 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion:244 Resp: 1481845  
Ion Ratio Lower Upper  
244 100  
212 9.1 7.0 10.6  
122 9.6 7.1 10.7

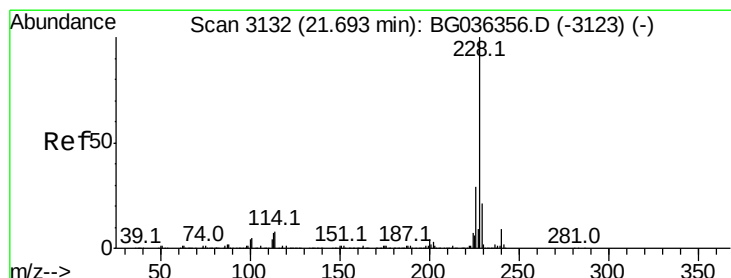
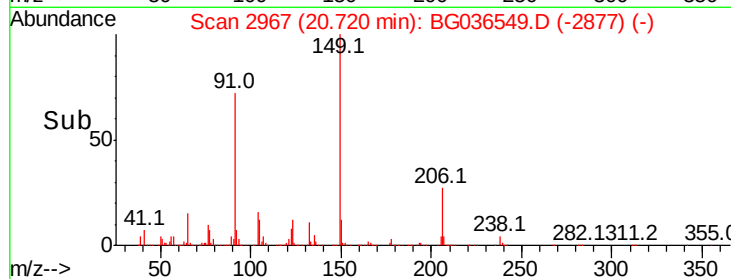
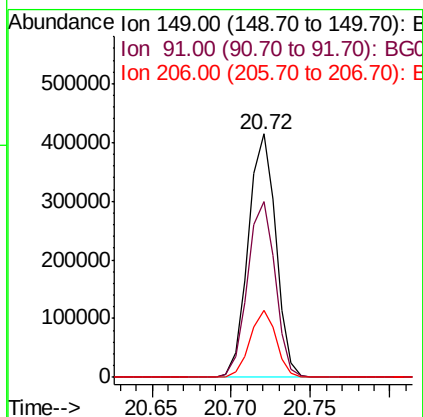
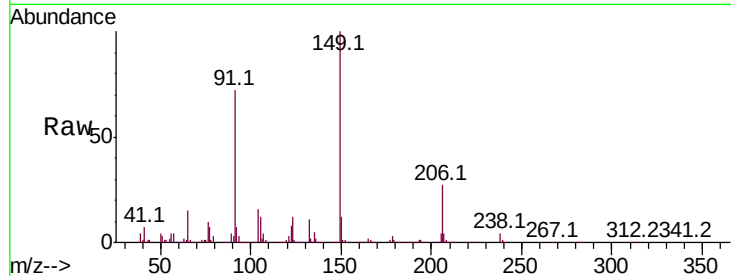




#79  
Butylbenzylphthalate  
Concen: 45.545 ng  
RT: 20.72 min Scan# 2967  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

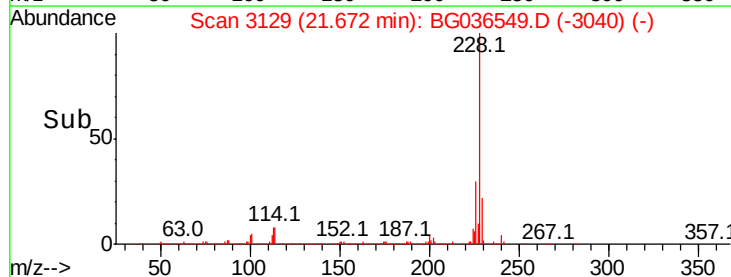
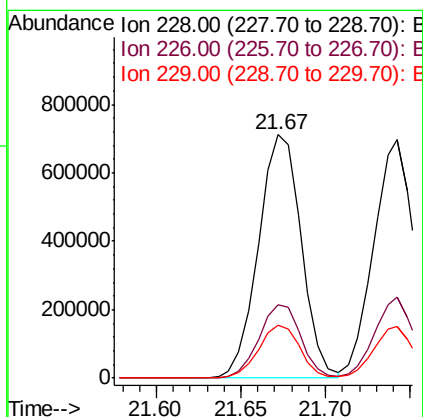
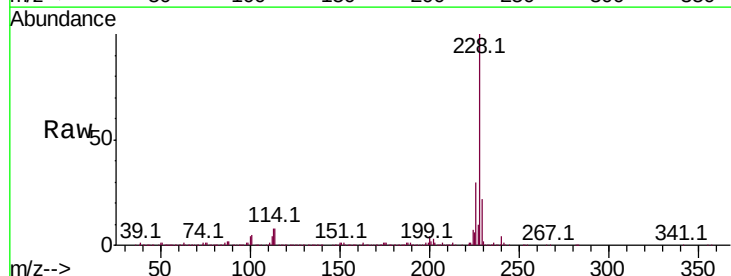
Instrument :  
BNA\_G  
ClientSampled :

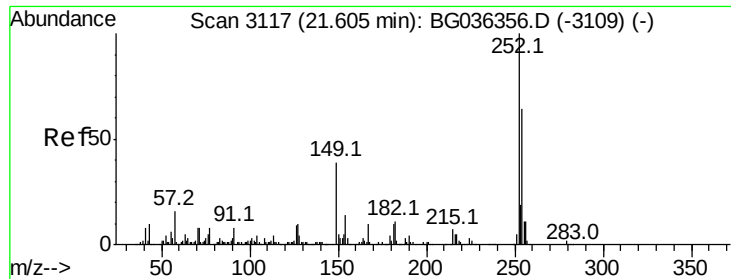
Tot Ion:149 Resp: 502168  
Ion Ratio Lower Upper  
149 100  
91 72.2 62.0 93.0  
206 27.3 19.6 29.4



#80  
Benzo(a)anthracene  
Concen: 45.933 ng  
RT: 21.67 min Scan# 3129  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion:228 Resp: 1253676  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.4 35.2  
229 21.9 17.1 25.7





#81

3,3'-Dichlorobenzidine

Concen: 22.871 ng

RT: 21.58 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

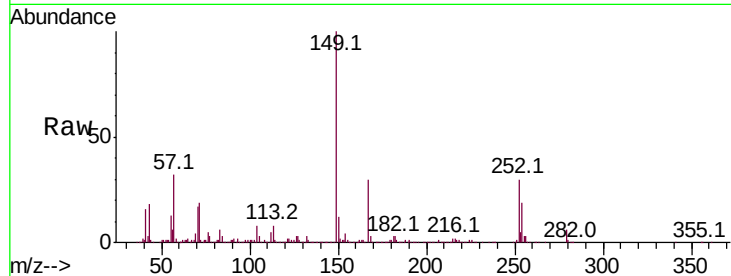
Tot Ion:252 Resp: 248777

Ion Ratio Lower Upper

252 100

254 64.3 51.0 76.4

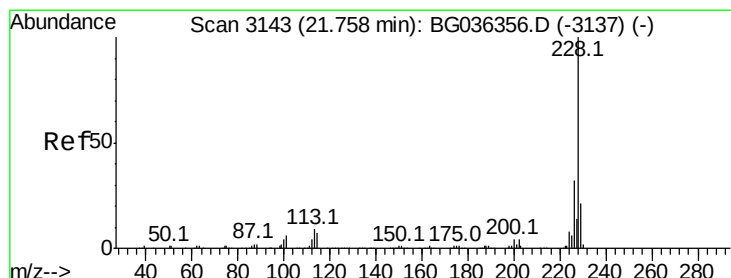
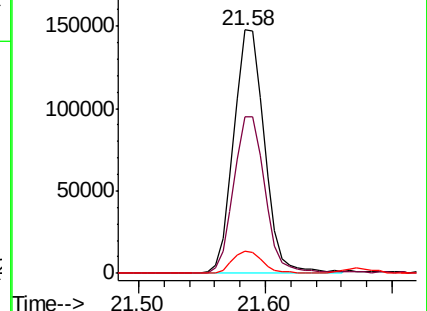
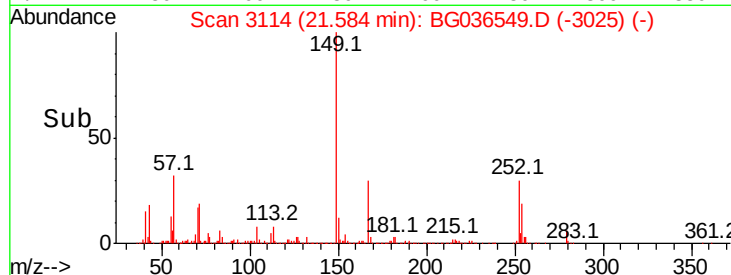
126 9.2 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 44.907 ng

RT: 21.74 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

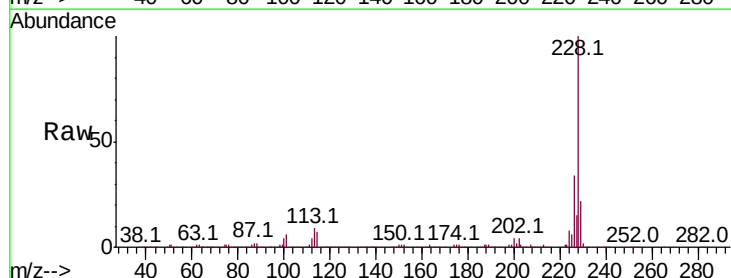
Tgt Ion:228 Resp: 1161776

Ion Ratio Lower Upper

228 100

226 33.9 25.5 38.3

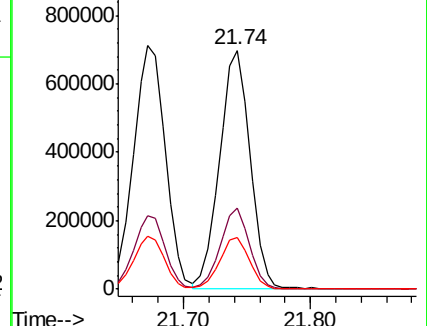
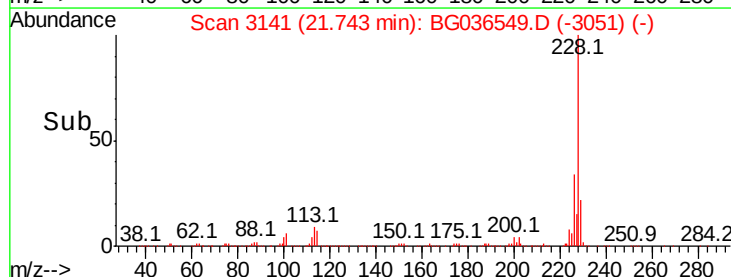
229 21.7 16.9 25.3

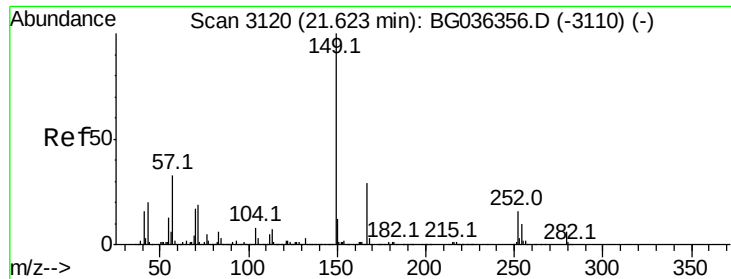


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

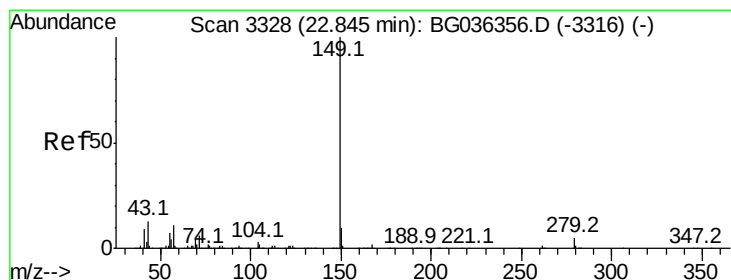
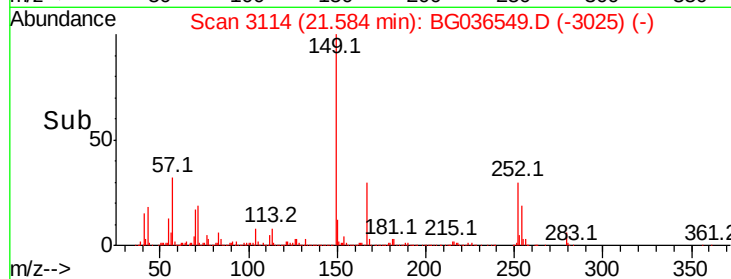
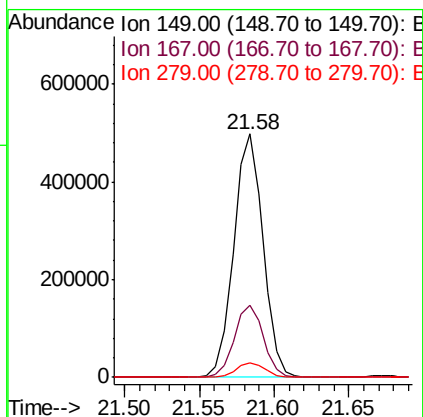
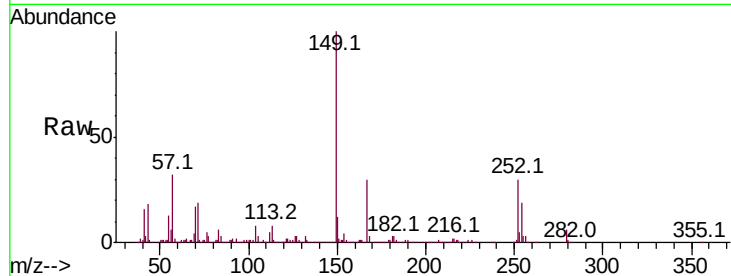




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.121 ng  
 RT: 21.58 min Scan# 3114  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

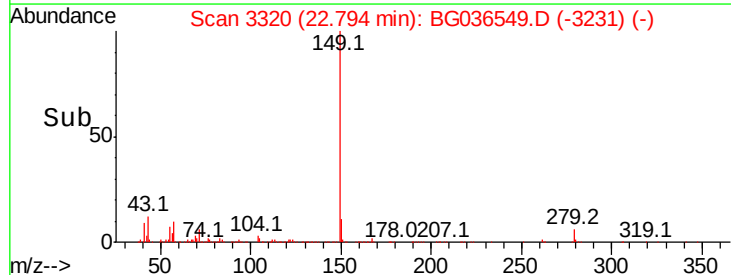
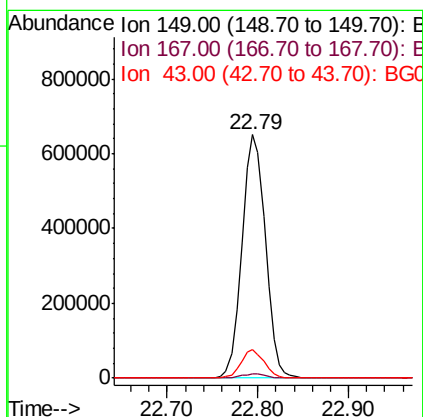
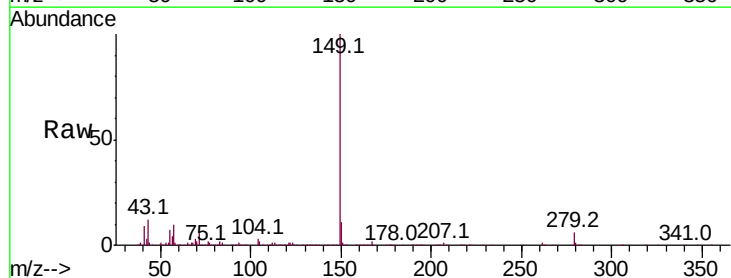
Instrument :  
 BNA\_G  
 ClientSampleId :

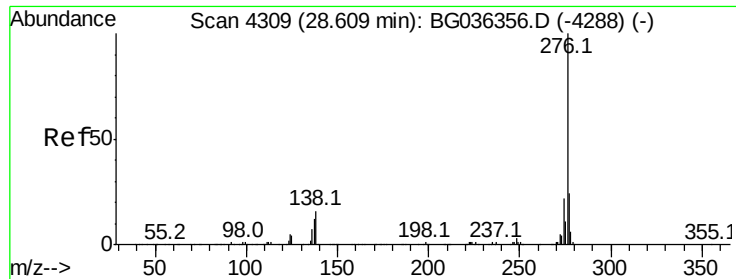
Tot Ion:149 Resp: 680734  
 Ion Ratio Lower Upper  
 149 100  
 167 29.9 23.4 35.0  
 279 5.7 4.6 7.0



#84  
 Di-n-octyl phthalate  
 Concen: 45.173 ng  
 RT: 22.79 min Scan# 3320  
 Delta R.T. -0.01 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion:149 Resp: 1164137  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.3 1.9  
 43 11.5 10.0 15.0

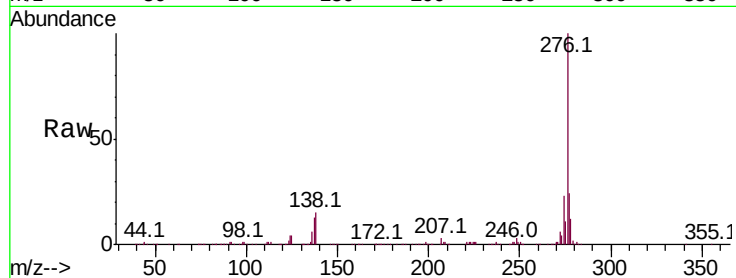




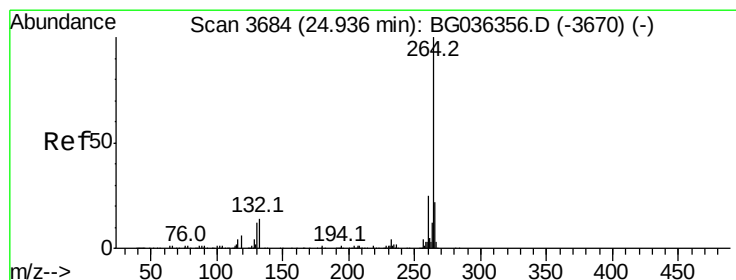
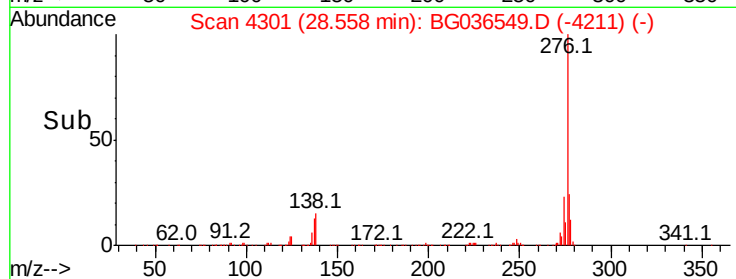
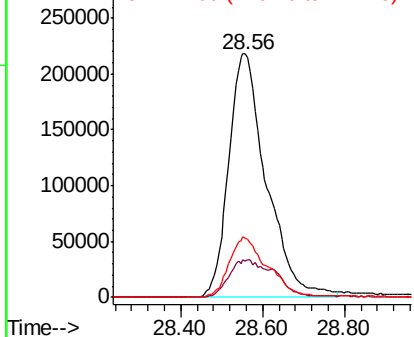
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.335 ng  
 RT: 28.56 min Scan# 4301  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:276 Resp: 1392289  
 Ion Ratio Lower Upper  
 276 100  
 138 19.0 10.6 15.8#  
 277 25.2 20.6 30.8

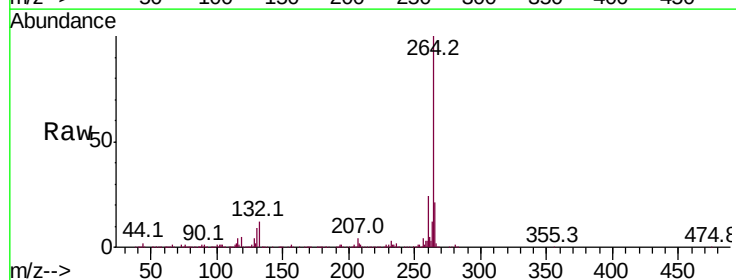


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

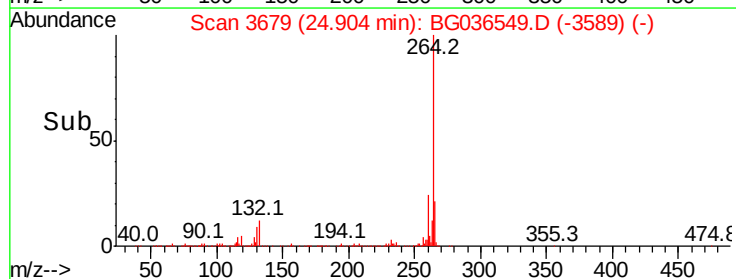
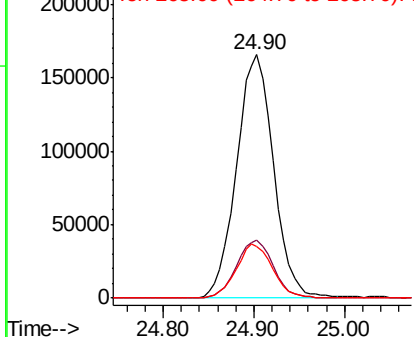


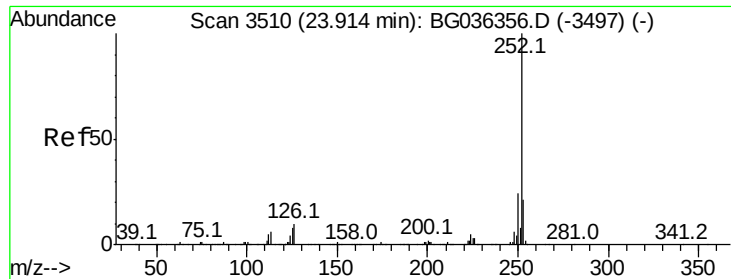
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.90 min Scan# 3679  
 Delta R.T. 0.00 min  
 Lab File: BG036549.D  
 Acq: 5 Sep 2018 3:35

Tgt Ion:264 Resp: 468450  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.6 29.4  
 265 21.5 17.4 26.0



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

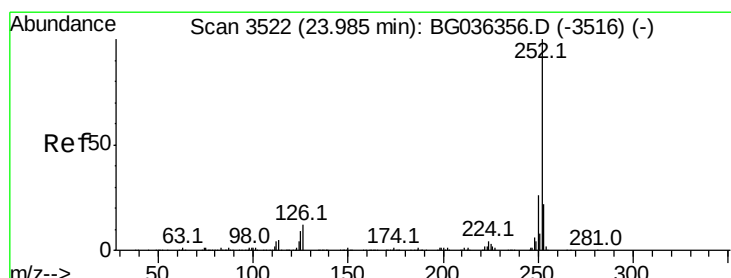
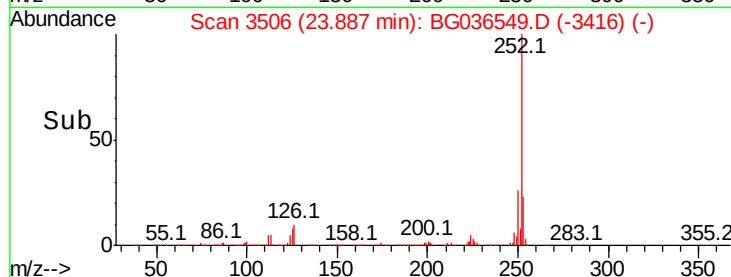
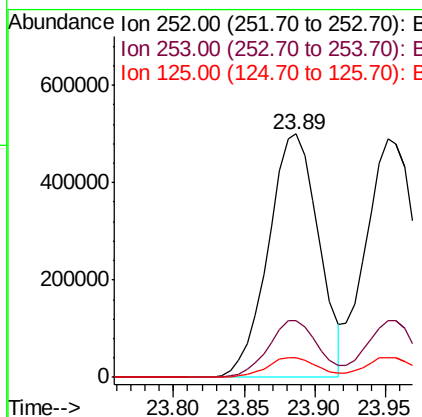
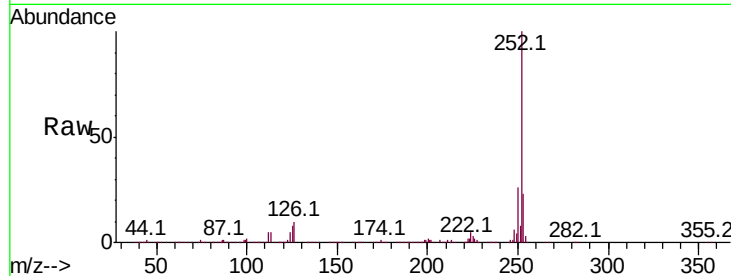




#87  
Benzo(b)fluoranthene  
Concen: 47.750 ng  
RT: 23.89 min Scan# 3506  
Delta R.T. 0.00 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

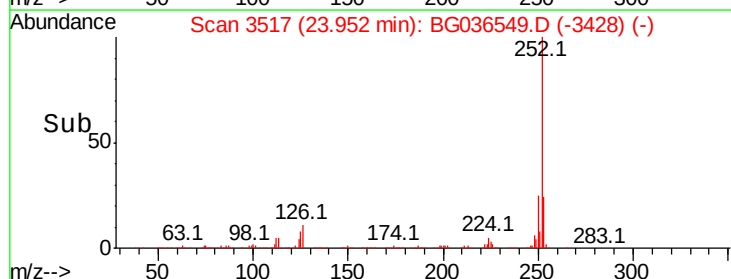
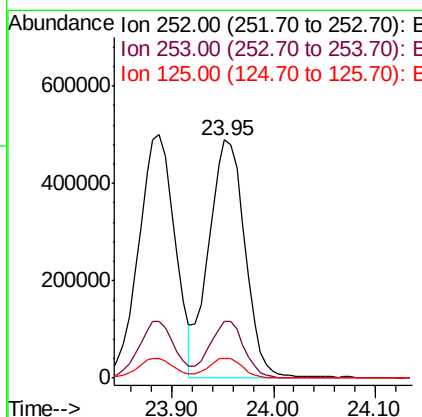
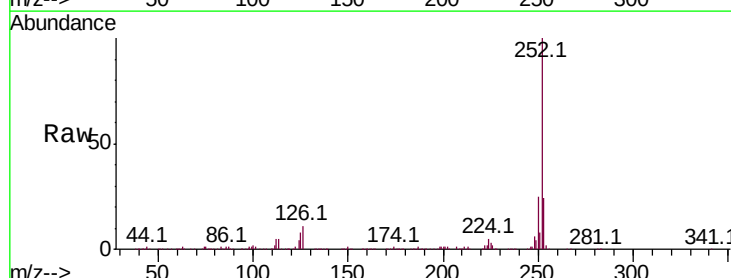
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 1242131  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.1 25.7  
125 8.2 6.6 10.0

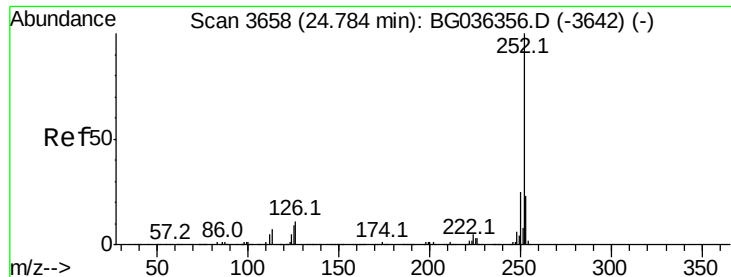


#88  
Benzo(k)fluoranthene  
Concen: 47.487 ng  
RT: 23.95 min Scan# 3517  
Delta R.T. -0.01 min  
Lab File: BG036549.D  
Acq: 5 Sep 2018 3:35

Tgt Ion:252 Resp: 1206807  
Ion Ratio Lower Upper  
252 100  
253 24.0 18.0 27.0  
125 8.4 7.0 10.6







#89

Benzo(a)pyrene

Concen: 48.707 ng

RT: 24.75 min Scan# 3653

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

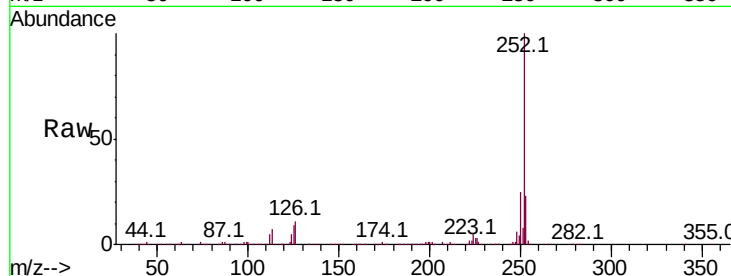
Tot Ion:252 Resp: 1217511

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 18.2  | 27.2  |
| 125 | 9.0   | 7.3   | 10.9  |

252 100

253 22.8 18.2 27.2

125 9.0 7.3 10.9

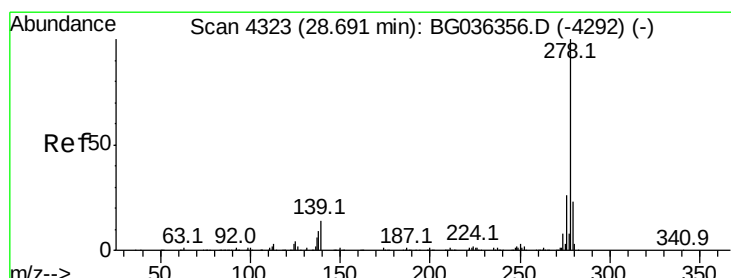
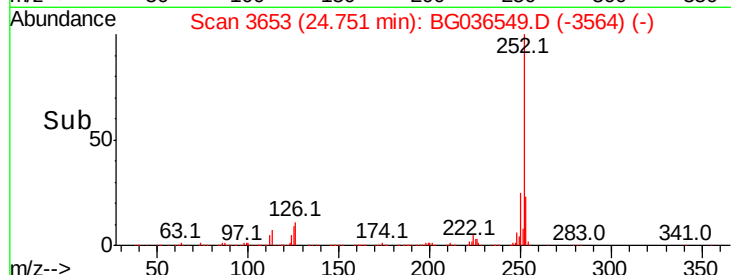
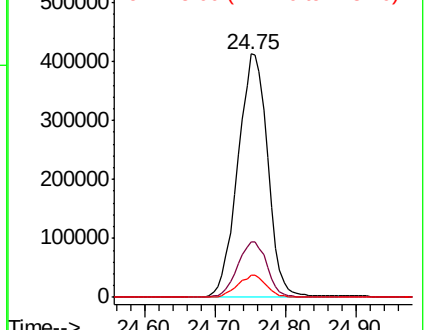


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 46.616 ng

RT: 28.62 min Scan# 4312

Delta R.T. -0.01 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

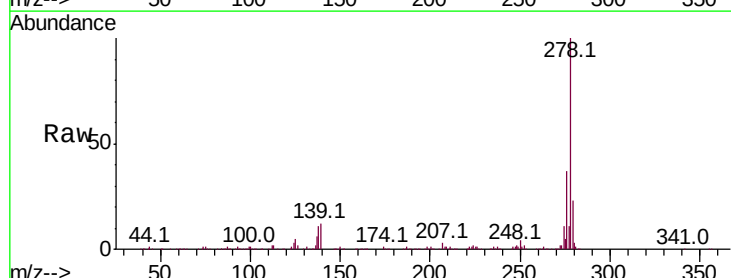
Tgt Ion:278 Resp: 1124936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 11.9  | 11.0  | 16.4  |
| 279 | 23.5  | 18.7  | 28.1  |

278 100

139 11.9 11.0 16.4

279 23.5 18.7 28.1

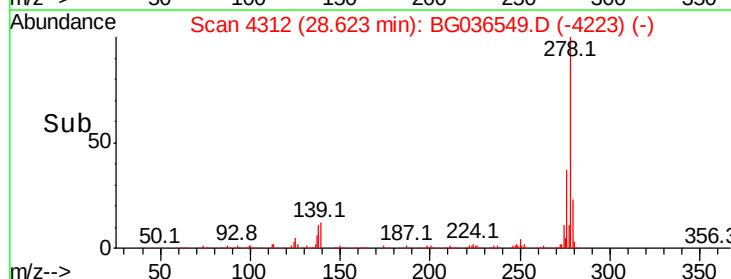
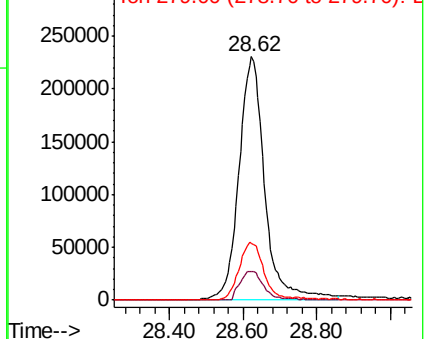


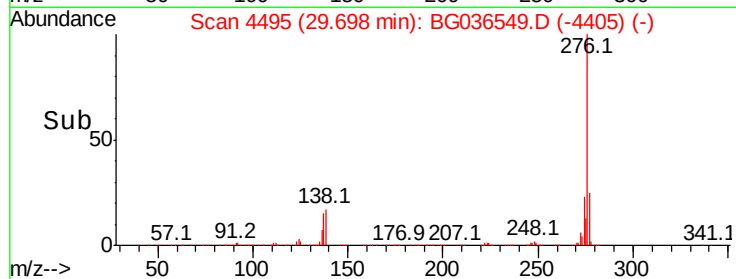
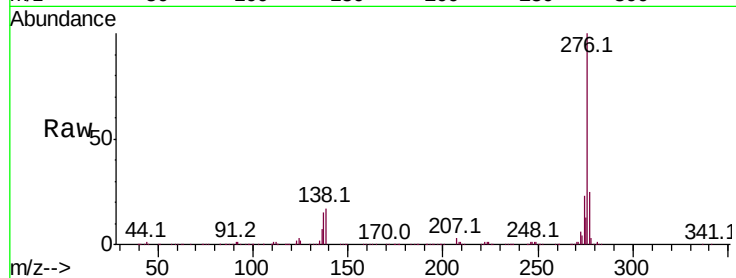
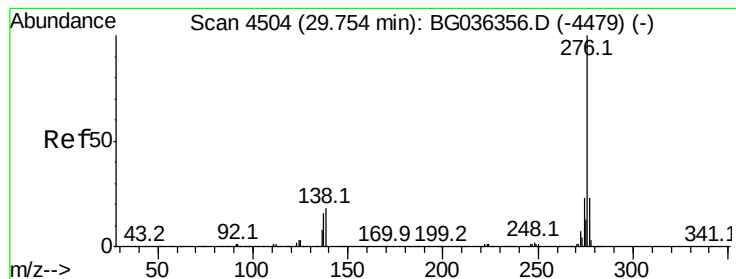
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 47.535 ng

RT: 29.70 min Scan# 4495

Delta R.T. 0.00 min

Lab File: BG036549.D

Acq: 5 Sep 2018 3:35

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1152743

Ion Ratio Lower Upper

276 100

277 24.5 18.4 27.6

138 17.0 14.6 22.0

