

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\  
 Data File : BG044417.D  
 Acq On : 12 Feb 2020 20:27  
 Operator : CG/JU  
 Sample : L1491-08MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 13 01:07:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 77258    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.70 | 136  | 326439   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.54 | 164  | 219681   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.29 | 188  | 487117   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.53 | 240  | 454953   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.62 | 264  | 480735   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.48  | 112 | 671700  | 153.44 | ng | 0.00 |
| 7) Phenol-d6                | 7.08  | 99  | 900414  | 153.17 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.06  | 82  | 540554  | 93.49  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.03 | 330 | 386705  | 149.95 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.17 | 172 | 1195744 | 91.15  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.90 | 244 | 1759162 | 79.53  | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.36  | 88  | 76698  | 38.996 | ng | 97   |
| 3) Pyridine                    | 3.76  | 79  | 186869 | 35.661 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.67  | 42  | 100298 | 45.805 | ng | 99   |
| 6) Aniline                     | 7.23  | 93  | 252398 | 34.591 | ng | 100  |
| 8) 2-Chlorophenol              | 7.47  | 128 | 255360 | 53.077 | ng | 100  |
| 9) Benzaldehyde                | 7.03  | 77  | 107710 | 32.172 | ng | 95   |
| 10) Phenol                     | 7.10  | 94  | 315476 | 54.227 | ng | 99   |
| 11) bis(2-Chloroethyl)ether    | 7.32  | 93  | 232415 | 46.728 | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 7.79  | 146 | 260872 | 45.414 | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 7.94  | 146 | 261014 | 45.878 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 8.26  | 146 | 247073 | 45.945 | ng | 100  |
| 15) Benzyl Alcohol             | 8.14  | 79  | 207212 | 49.789 | ng | 96   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.44  | 45  | 302334 | 44.911 | ng | 98   |
| 17) 2-Methylphenol             | 8.36  | 107 | 215560 | 51.932 | ng | 99   |
| 18) Hexachloroethane           | 8.98  | 117 | 96623  | 45.258 | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 8.71  | 70  | 182599 | 46.608 | ng | 97   |
| 20) 3+4-Methylphenols          | 8.68  | 107 | 298796 | 52.233 | ng | 100  |
| 22) Acetophenone               | 8.73  | 105 | 348415 | 43.874 | ng | # 98 |
| 24) Nitrobenzene               | 9.10  | 77  | 259047 | 45.891 | ng | 99   |
| 25) Isophorone                 | 9.62  | 82  | 506519 | 46.999 | ng | 100  |
| 26) 2-Nitrophenol              | 9.82  | 139 | 144342 | 49.280 | ng | 100  |
| 27) 2,4-Dimethylphenol         | 9.88  | 122 | 243913 | 58.993 | ng | 100  |
| 28) bis(2-Chloroethoxy)methane | 10.11 | 93  | 319612 | 44.456 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 10.36 | 162 | 253707 | 50.747 | ng | 96   |
| 30) 1,2,4-Trichlorobenzene     | 10.57 | 180 | 256492 | 44.743 | ng | 99   |
| 31) Naphthalene                | 10.75 | 128 | 746179 | 47.114 | ng | 100  |
| 32) Benzoic acid               | 10.05 | 122 | 94601  | 38.652 | ng | 93   |
| 33) 4-Chloroaniline            | 10.86 | 127 | 131454 | 18.250 | ng | 98   |
| 34) Hexachlorobutadiene        | 11.05 | 225 | 152233 | 43.157 | ng | 98   |
| 35) Caprolactam                | 11.63 | 113 | 53153  | 29.023 | ng | 96   |
| 36) 4-Chloro-3-methylphenol    | 12.00 | 107 | 272822 | 52.048 | ng | 98   |
| 37) 2-Methylnaphthalene        | 12.36 | 142 | 559073 | 47.543 | ng | 99   |
| 38) 1-Methylnaphthalene        | 12.59 | 142 | 533816 | 48.150 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.74 | 216 | 284093 | 43.232 | ng | 99   |

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 ALS Vial : 14 Sample Multiplier: 1

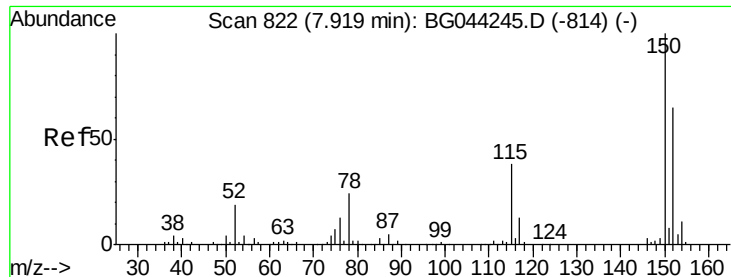
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 13 01:07:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.72 | 237  | 302581   | 95.962  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 12.98 | 196  | 204836   | 48.224  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.06 | 196  | 224059   | 51.645  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.37 | 154  | 719817   | 45.426  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.41 | 162  | 560940   | 44.486  | ng    | 100      |
| 48) 2-Nitroaniline             | 13.61 | 65   | 171111   | 45.982  | ng    | 98       |
| 49) Acenaphthylene             | 14.27 | 152  | 894911   | 48.388  | ng    | 100      |
| 50) Dimethylphthalate          | 14.00 | 163  | 783007   | 49.585  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.11 | 165  | 168383   | 47.823  | ng    | 98       |
| 52) Acenaphthene               | 14.61 | 154  | 552918   | 46.124  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.44 | 138  | 101794   | 26.132  | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 14.65 | 184  | 170709   | 81.650  | ng    | 99       |
| 55) Dibenzofuran               | 14.94 | 168  | 864262   | 47.618  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.77 | 139  | 306381   | 107.375 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.91 | 165  | 240055   | 48.645  | ng    | 96       |
| 58) Fluorene                   | 15.59 | 166  | 685561   | 47.957  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.18 | 232  | 204000   | 52.057  | ng    | 99       |
| 60) Diethylphthalate           | 15.36 | 149  | 746093   | 47.417  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.58 | 204  | 366752   | 47.317  | ng    | 97       |
| 62) 4-Nitroaniline             | 15.61 | 138  | 173600   | 44.600  | ng    | 99       |
| 63) Azobenzene                 | 15.88 | 77   | 666887   | 48.358  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.67 | 198  | 138887   | 51.652  | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.80 | 169  | 651308   | 47.711  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.48 | 248  | 244519   | 46.074  | ng    | 97       |
| 68) Hexachlorobenzene          | 16.60 | 284  | 269182   | 45.273  | ng    | 99       |
| 69) Atrazine                   | 16.75 | 200  | 249639   | 53.353  | ng    | 99       |
| 70) Pentachlorophenol          | 16.95 | 266  | 272933   | 90.353  | ng    | 96       |
| 71) Phenanthrene               | 17.33 | 178  | 1114813  | 47.262  | ng    | 99       |
| 72) Anthracene                 | 17.42 | 178  | 1150369  | 49.329  | ng    | 99       |
| 73) Carbazole                  | 17.69 | 167  | 1033728  | 48.083  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.26 | 149  | 1265850  | 47.647  | ng    | 100      |
| 75) Fluoranthene               | 19.34 | 202  | 1306540  | 47.882  | ng    | 100      |
| 77) Benzidine                  | 19.52 | 184  | 605676   | 47.996  | ng    | 98       |
| 78) Pyrene                     | 19.70 | 202  | 1313162  | 44.945  | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.59 | 149  | 577307   | 43.359  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.52 | 228  | 1252226  | 44.660  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.43 | 252  | 256315   | 23.553  | ng    | 99       |
| 83) Chrysene                   | 21.58 | 228  | 1196675  | 44.154  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.43 | 149  | 814933   | 44.468  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.60 | 149  | 1426387  | 44.984  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.12 | 276  | 1556983  | 44.033  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 23.64 | 252  | 1336930  | 48.262  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.71 | 252  | 1289830  | 47.773  | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.48 | 252  | 1236660  | 47.216  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.17 | 278  | 1280394  | 49.396  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.21 | 276  | 1301947  | 50.174  | ng    | 98       |

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



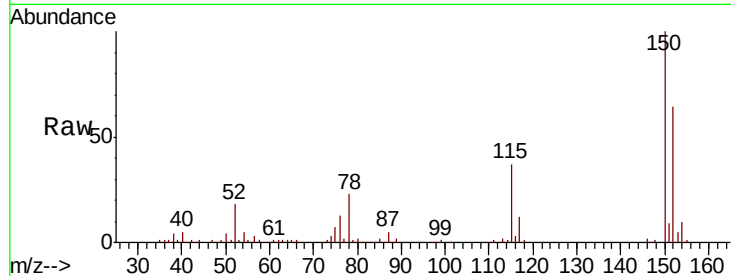


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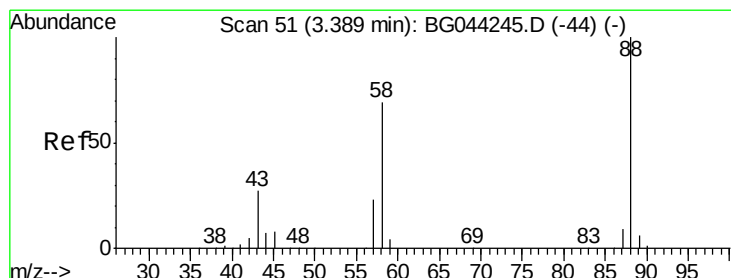
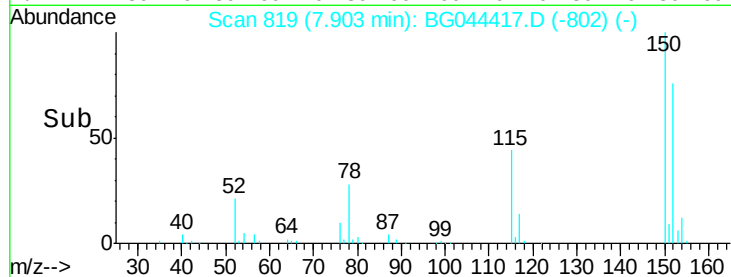
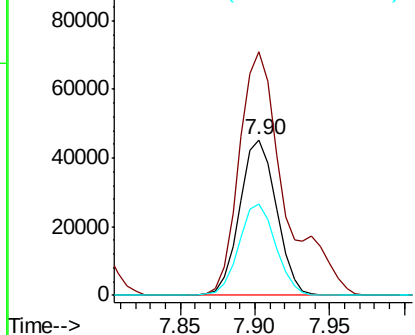
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.90 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 122.6 | 183.8 |
| 115     | 58.5  | 46.0  | 69.0  |



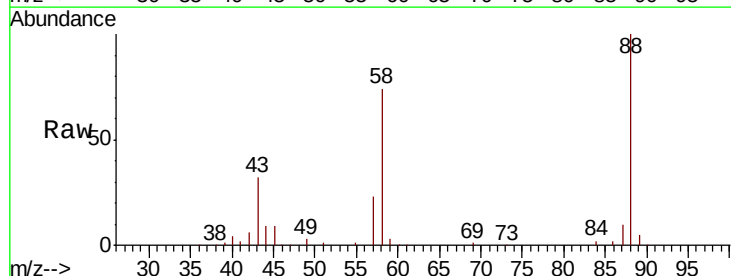
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



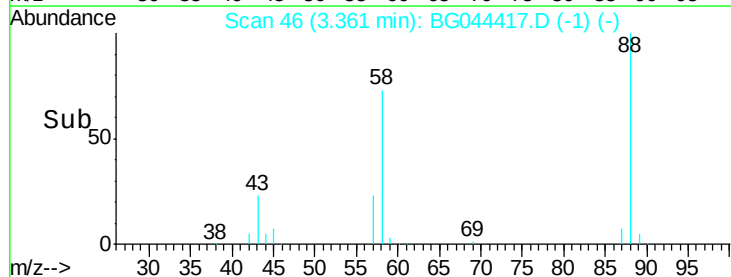
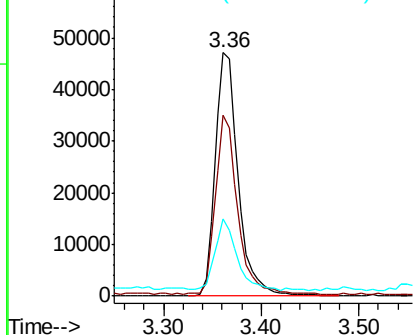
#2

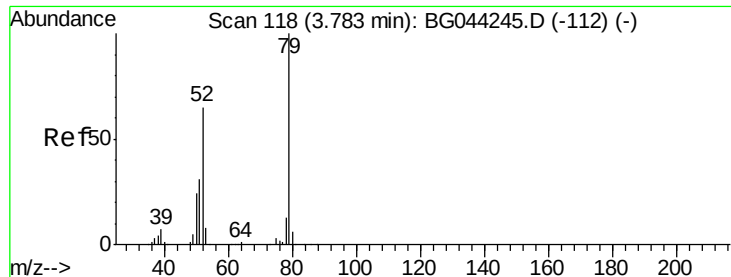
1,4-Dioxane  
Concen: 38.996 ng  
RT: 3.36 min Scan# 46  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 71.8  | 55.8  | 83.6  |
| 43      | 28.8  | 21.6  | 32.4  |



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: 35.661 ng

RT: 3.76 min Scan# 114

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

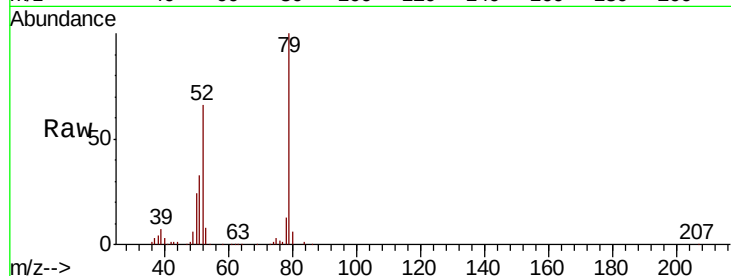
Tot Ion: 79 Resp: 186869

Ion Ratio Lower Upper

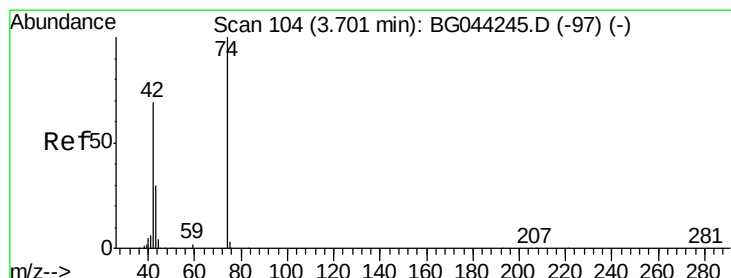
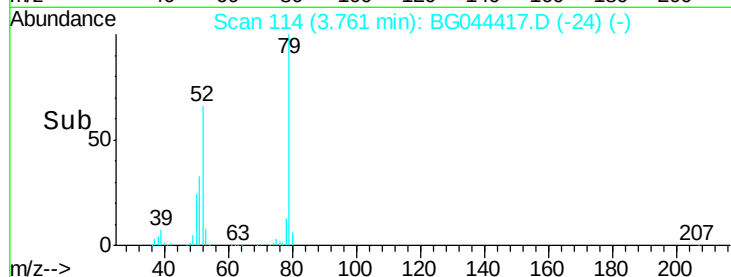
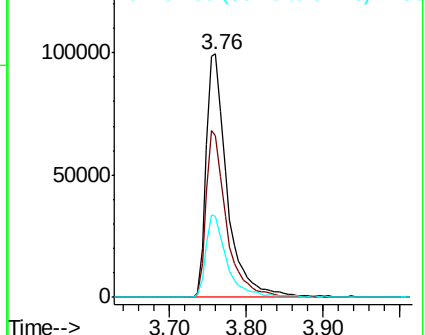
79 100

52 66.4 51.9 77.9

51 33.2 25.3 37.9



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 45.805 ng

RT: 3.67 min Scan# 99

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

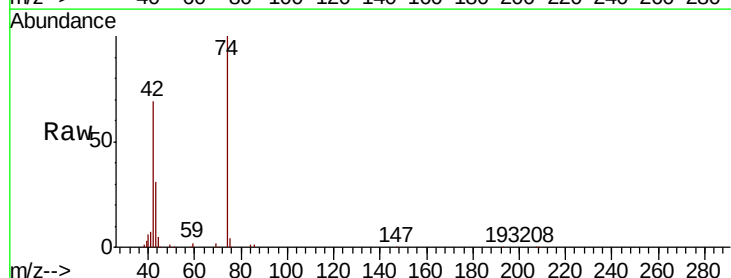
Tgt Ion: 42 Resp: 100298

Ion Ratio Lower Upper

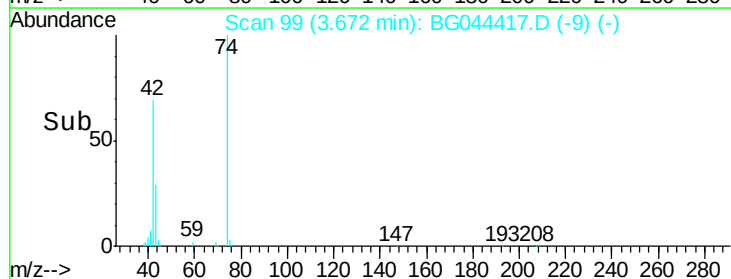
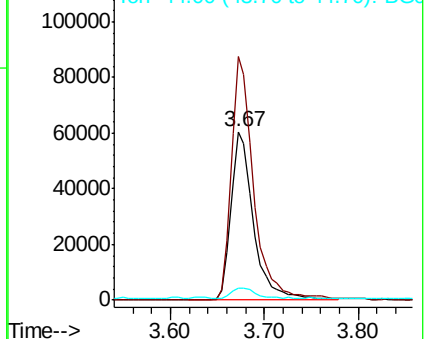
42 100

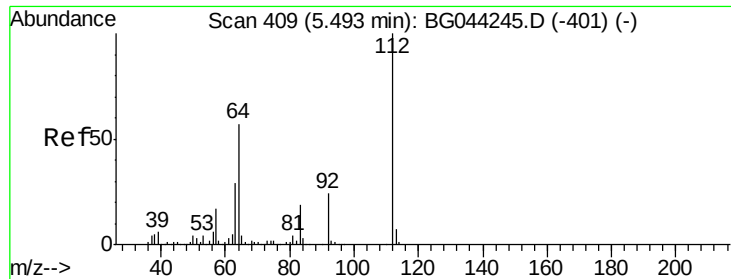
74 144.6 115.1 172.7

44 7.2 5.6 8.4



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 153.440 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

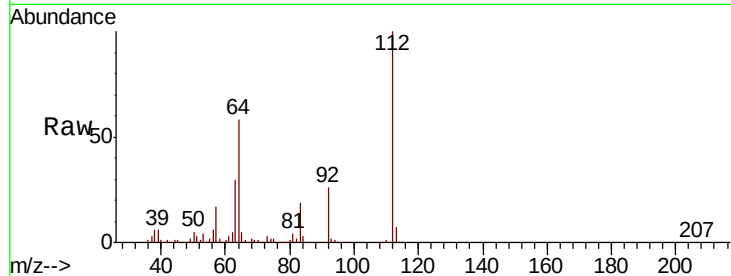
Tot Ion:112 Resp: 671700

Ion Ratio Lower Upper

112 100

64 58.0 45.4 68.2

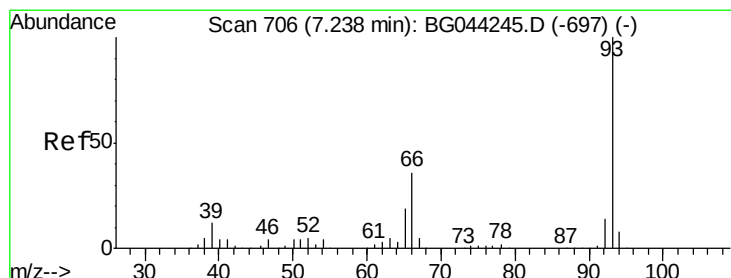
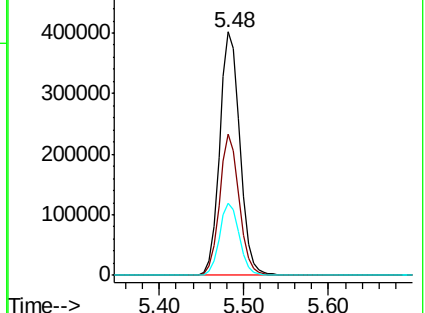
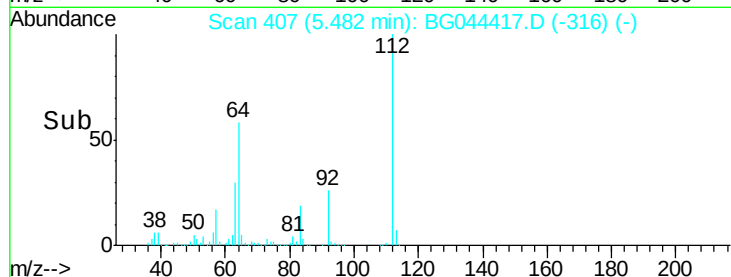
63 29.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 34.591 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

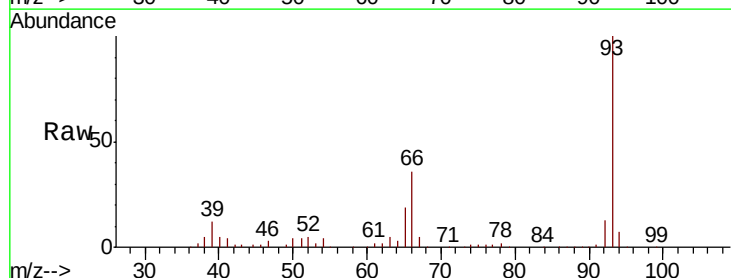
Tgt Ion: 93 Resp: 252398

Ion Ratio Lower Upper

93 100

66 35.7 28.7 43.1

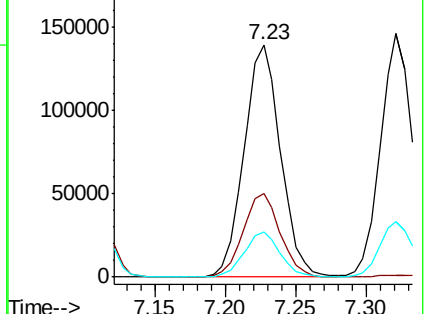
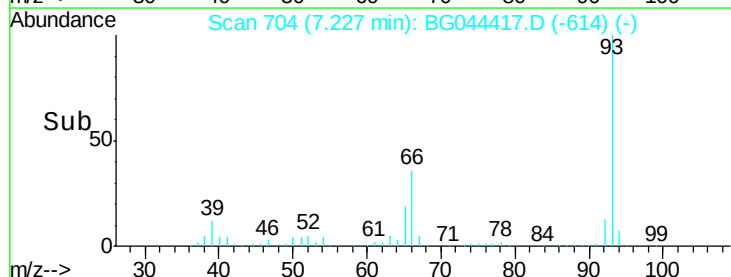
65 19.4 15.4 23.0

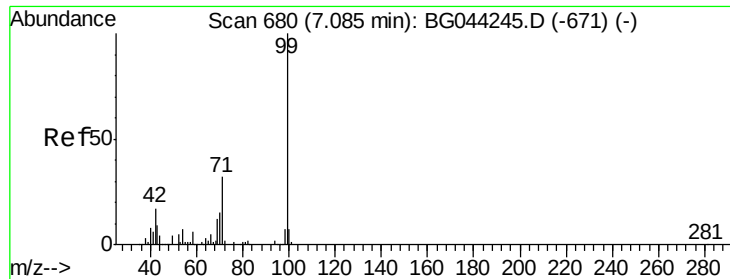


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 153.171 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

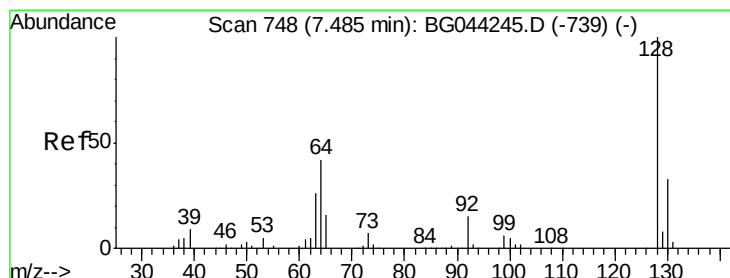
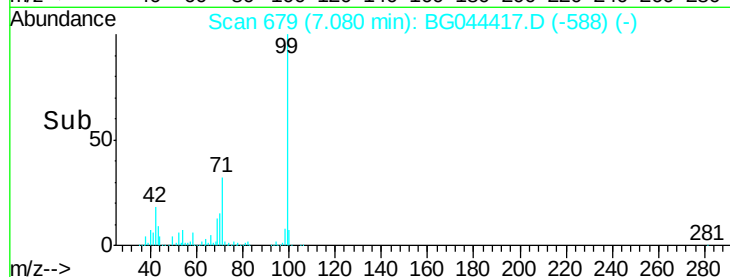
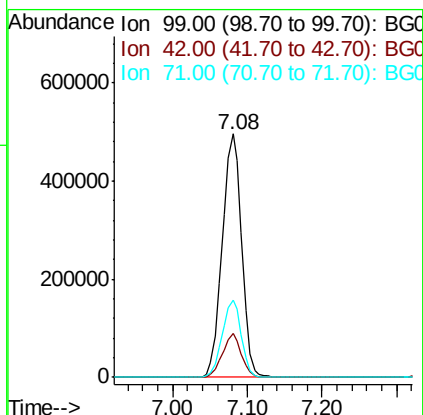
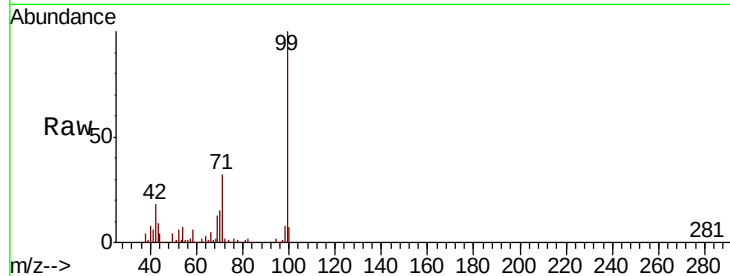
Tot Ion: 99 Resp: 900414

Ion Ratio Lower Upper

99 100

42 18.1 13.8 20.6

71 31.6 25.5 38.3



#8

2-Chlorophenol

Concen: 53.077 ng

RT: 7.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

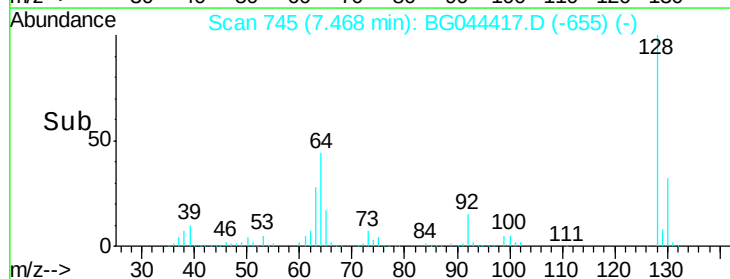
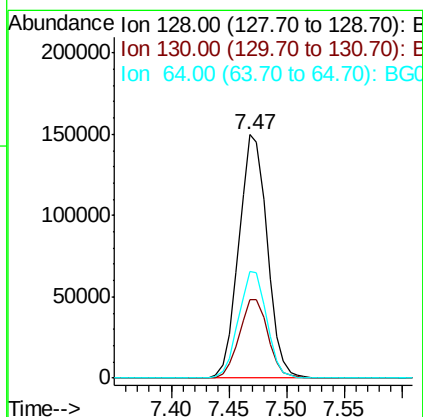
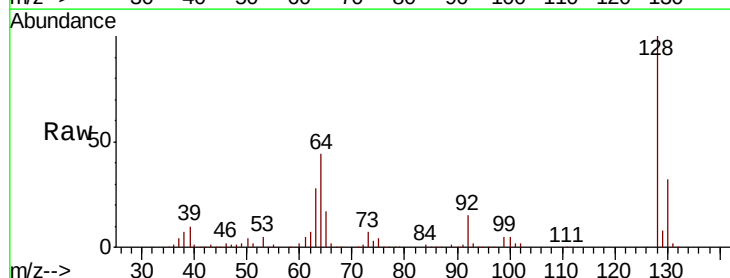
Tgt Ion: 128 Resp: 255360

Ion Ratio Lower Upper

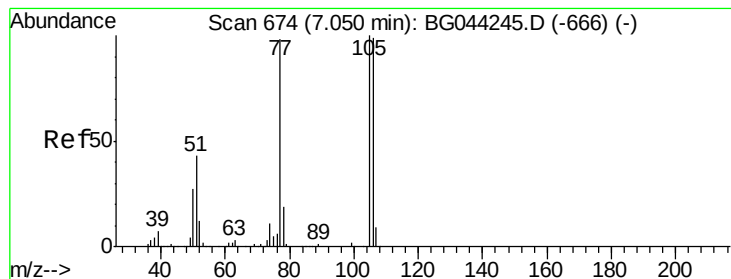
128 100

130 32.2 12.5 52.5

64 44.0 24.2 64.2







#9

Benzaldehyde

Concen: 32.172 ng

RT: 7.03 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

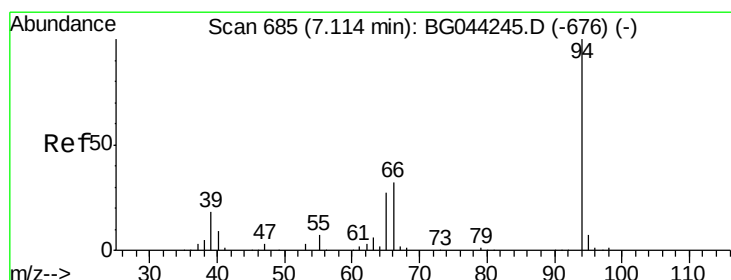
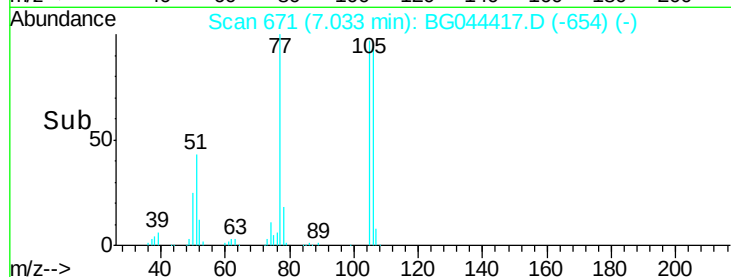
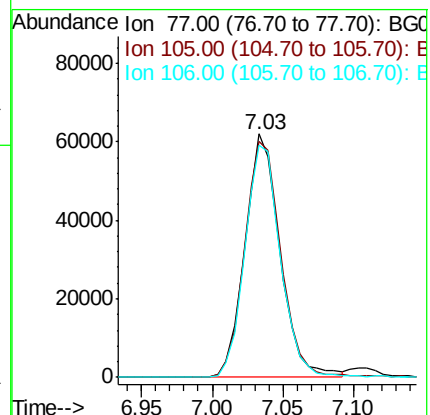
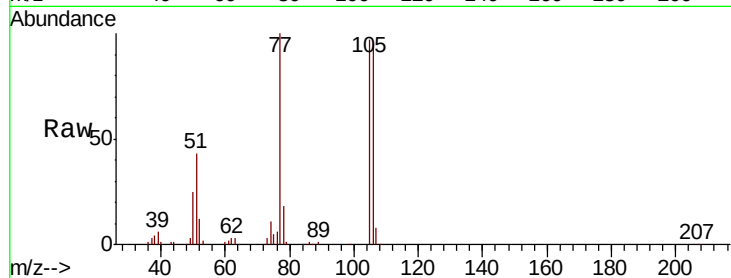
Tot Ion: 77 Resp: 107710

Ion Ratio Lower Upper

77 100

105 97.1 82.0 122.0

106 95.2 80.7 120.7



#10

Phenol

Concen: 54.227 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

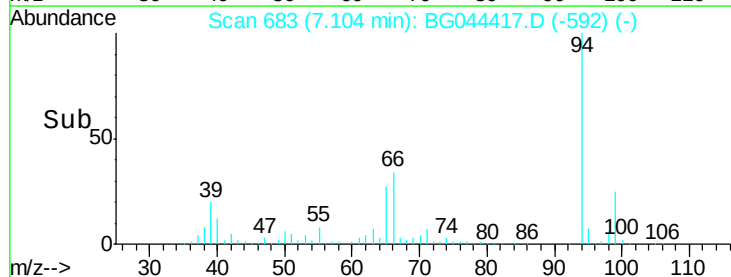
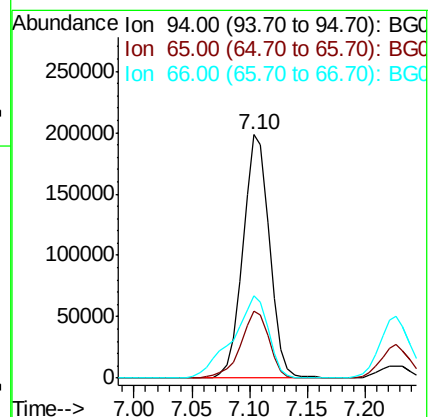
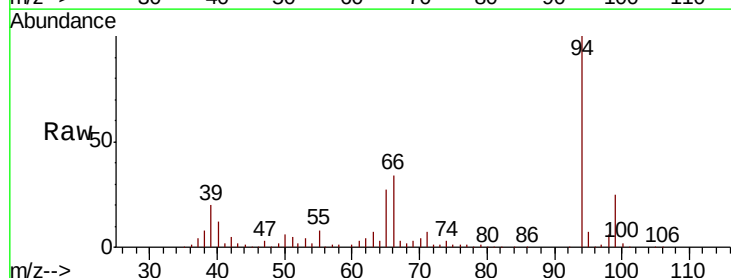
Tgt Ion: 94 Resp: 315476

Ion Ratio Lower Upper

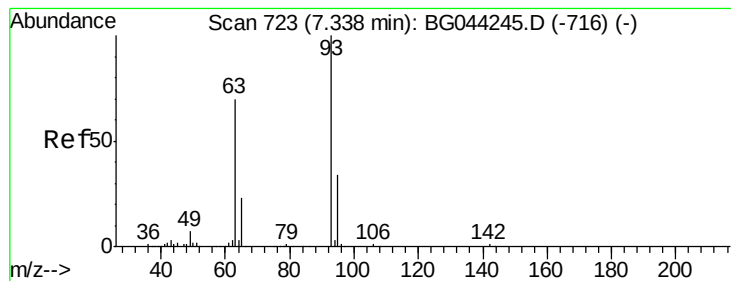
94 100

65 27.4 7.0 47.0

66 33.6 12.7 52.7



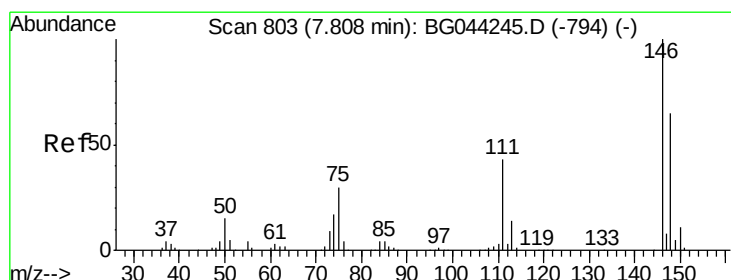
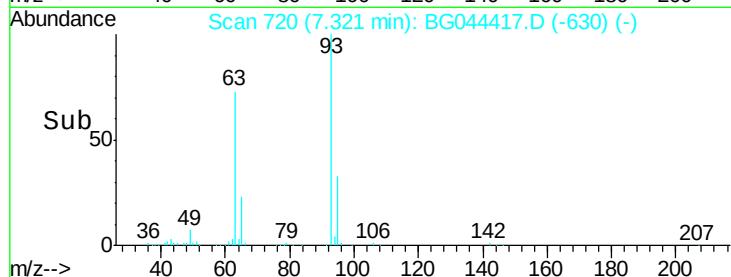
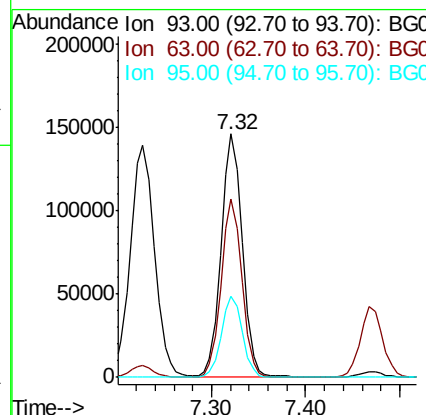
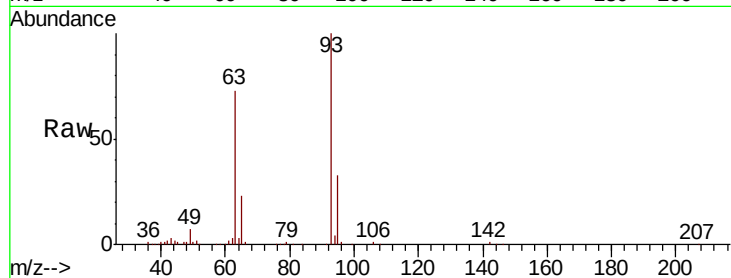




#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.728 ng  
 RT: 7.32 min Scan# 720  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

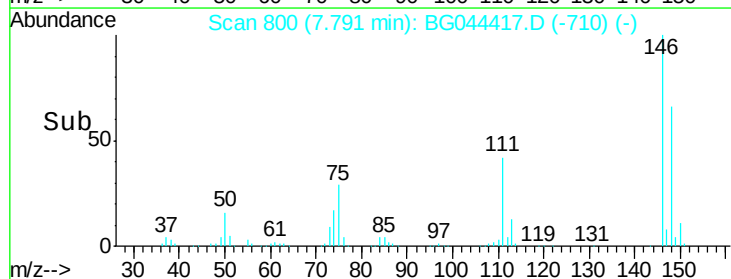
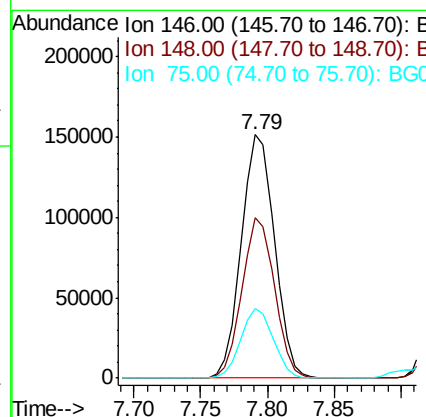
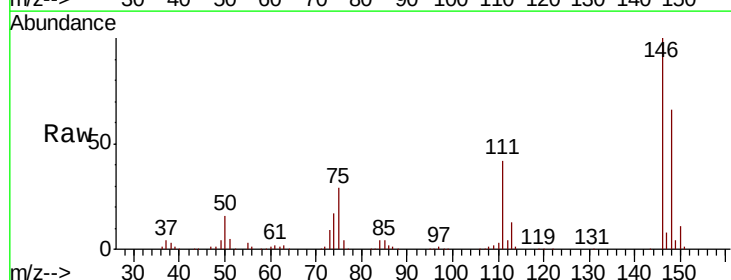
Instrument :  
 BNA\_G  
 ClientSampleId :

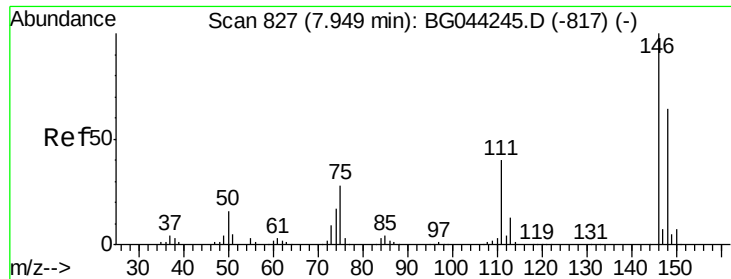
| Tot Ion | 93    | Resp  | 232415 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 93      | 100   |       |        |
| 63      | 73.5  | 49.2  | 89.2   |
| 95      | 33.3  | 13.6  | 53.6   |



#12  
 1,3-Dichlorobenzene  
 Concen: 45.414 ng  
 RT: 7.79 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion | 146   | Resp  | 260872 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 146     | 100   |       |        |
| 148     | 66.0  | 51.8  | 77.8   |
| 75      | 28.6  | 23.7  | 35.5   |

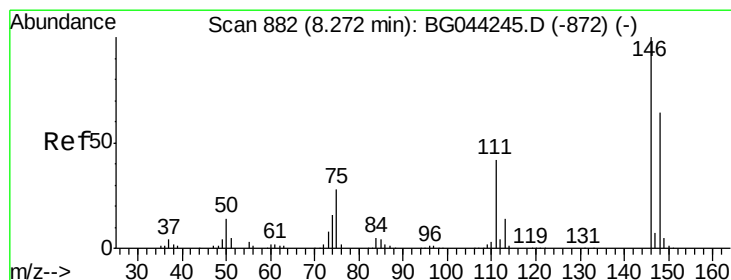
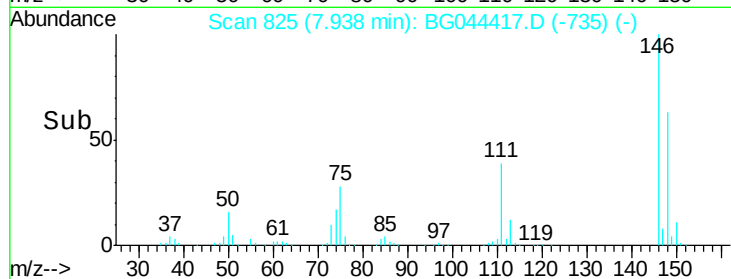
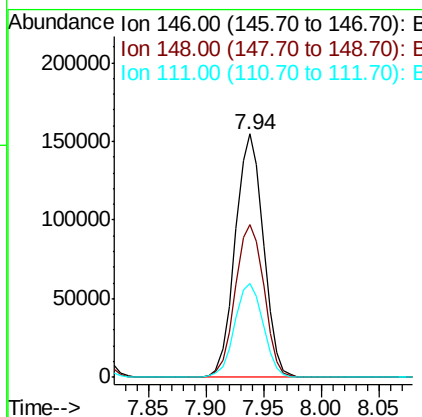
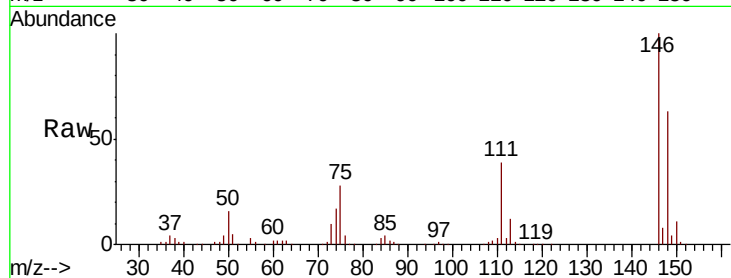




#13  
 1,4-Dichlorobenzene  
 Concen: 45.878 ng  
 RT: 7.94 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

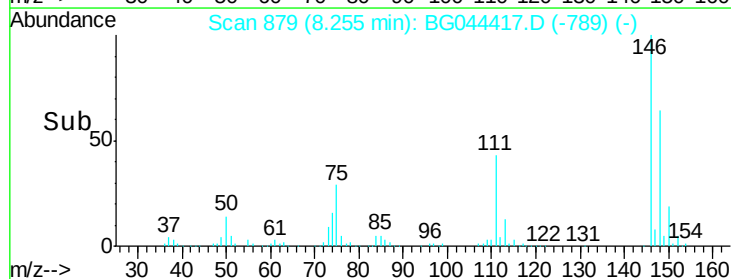
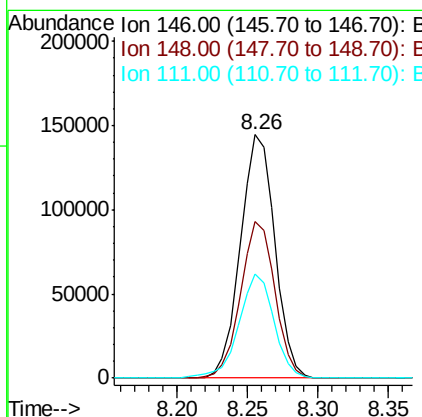
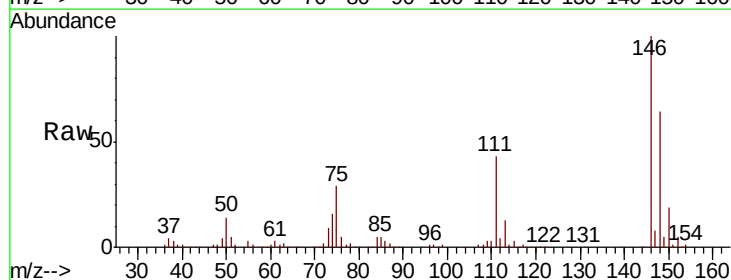
Instrument :  
 BNA\_G  
 ClientSampleId :

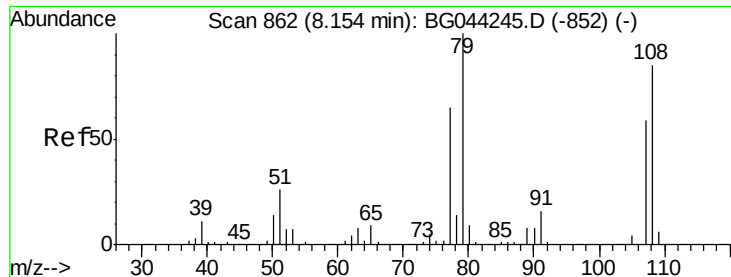
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.5  | 51.4  | 77.0  |
| 111     | 38.7  | 31.8  | 47.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 45.945 ng  
 RT: 8.26 min Scan# 879  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 51.2  | 76.8  |
| 111     | 42.6  | 34.0  | 51.0  |





#15

Benzyl Alcohol

Concen: 49.789 ng

RT: 8.14 min Scan# 860

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

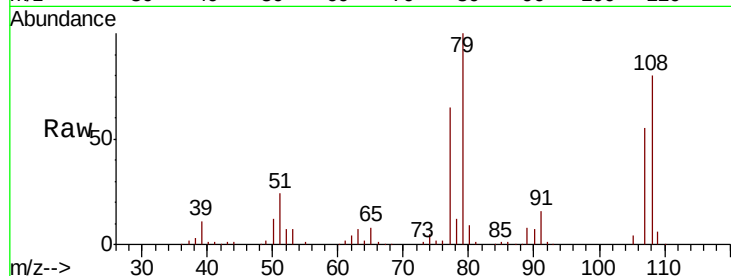
Tot Ion: 79 Resp: 207212

Ion Ratio Lower Upper

79 100

108 79.8 68.3 102.5

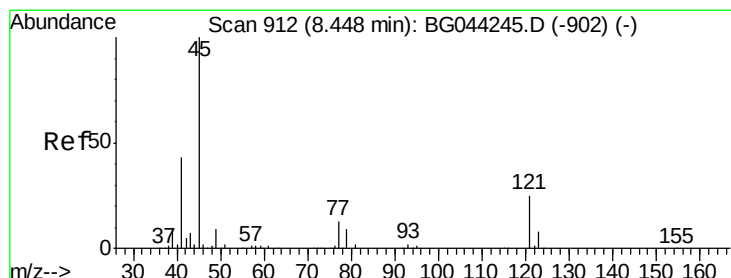
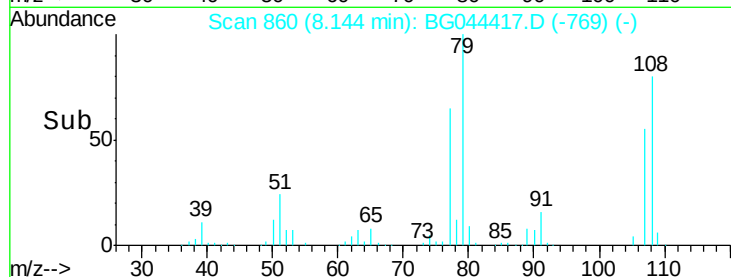
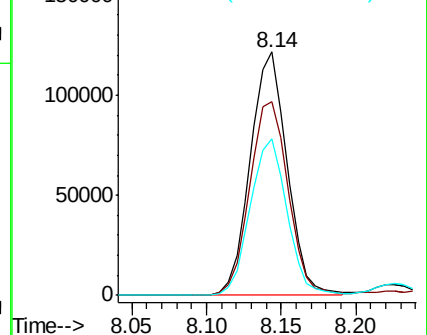
77 64.5 51.8 77.8



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: 44.911 ng

RT: 8.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

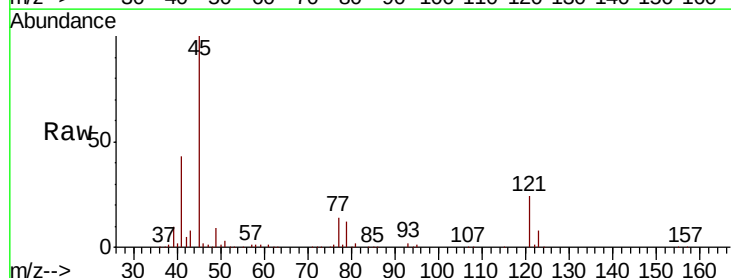
Tgt Ion: 45 Resp: 302334

Ion Ratio Lower Upper

45 100

77 14.1 0.0 35.2

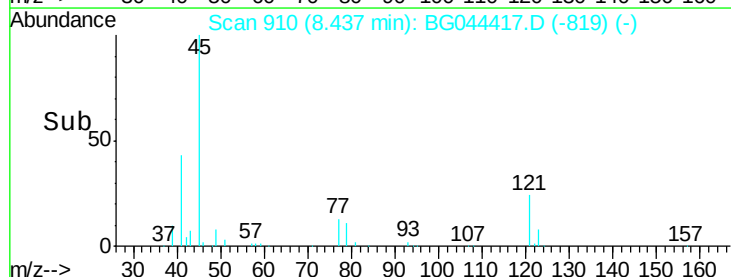
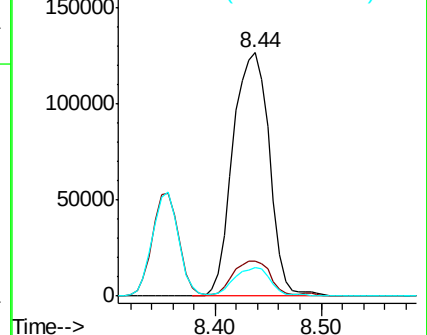
79 11.7 0.0 31.1

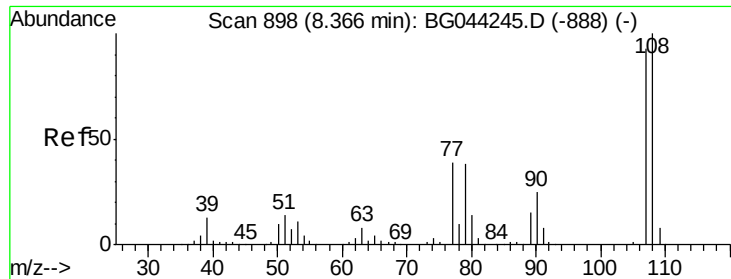


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

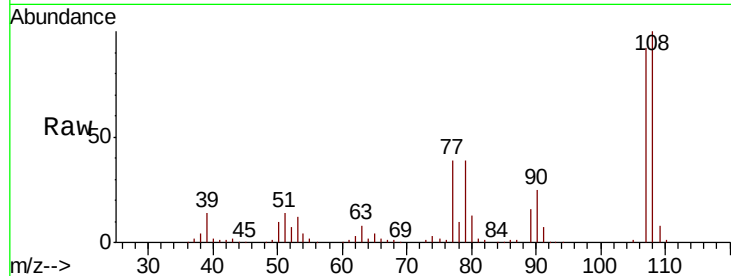




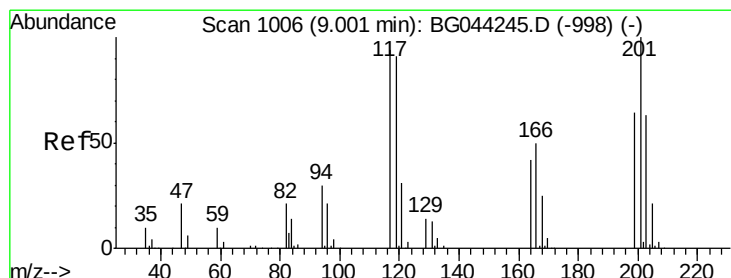
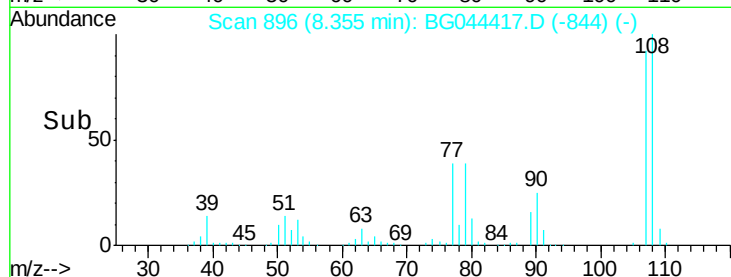
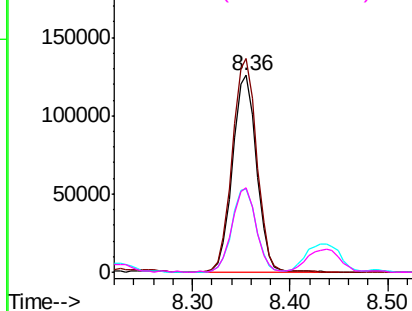
#17  
2-Methylphenol  
Concen: 51.932 ng  
RT: 8.36 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 215560 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 108.7 | 86.4  | 129.6  |
| 77       | 42.5  | 34.0  | 51.0   |
| 79       | 42.8  | 32.9  | 49.3   |

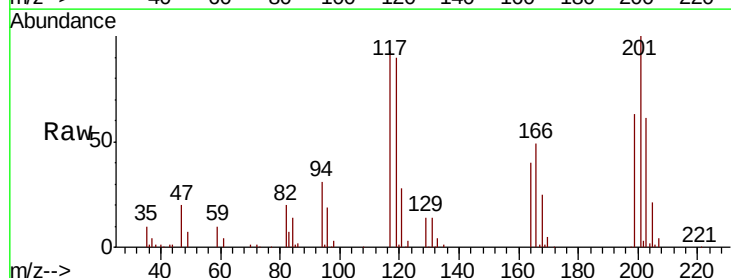


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

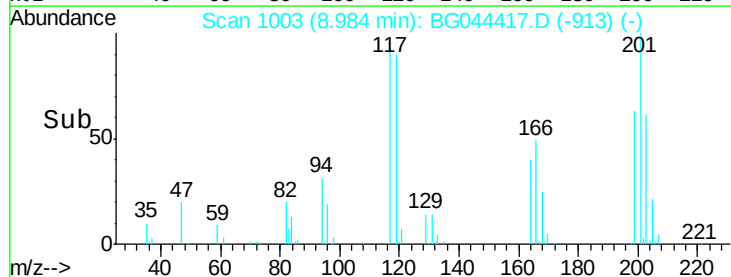
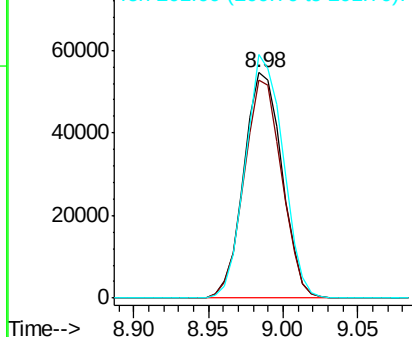


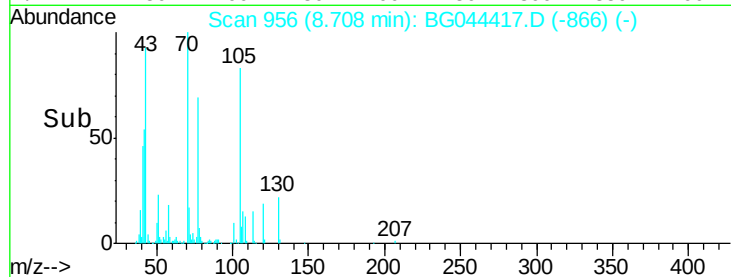
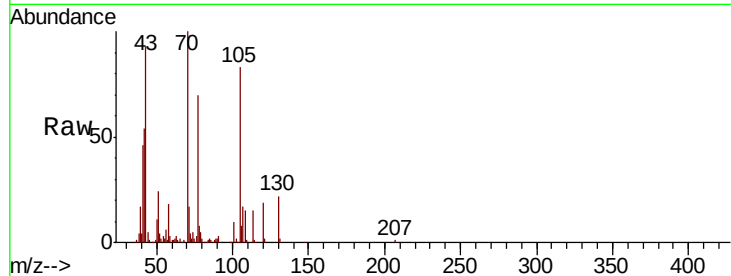
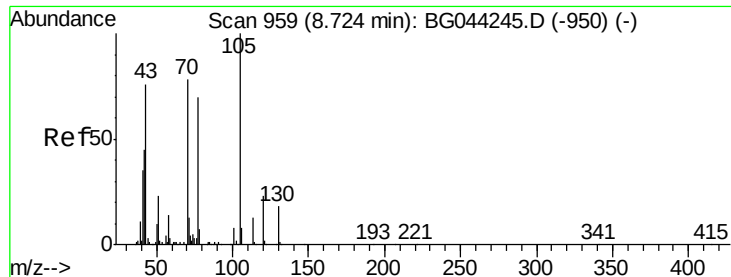
#18  
Hexachloroethane  
Concen: 45.258 ng  
RT: 8.98 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 96623 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.7  | 77.5  | 116.3 |
| 201      | 108.0 | 84.9  | 127.3 |



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

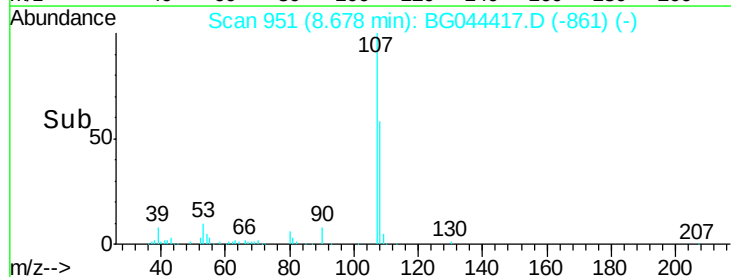
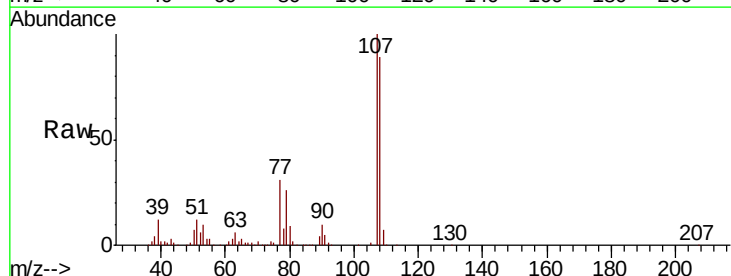
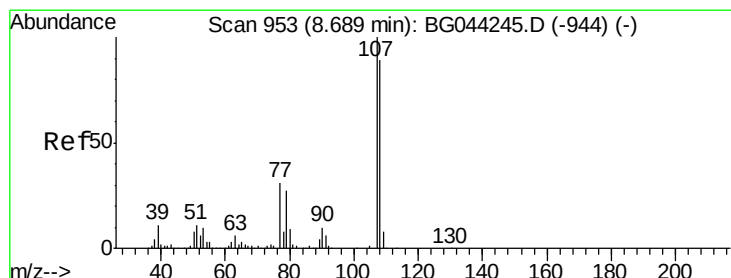
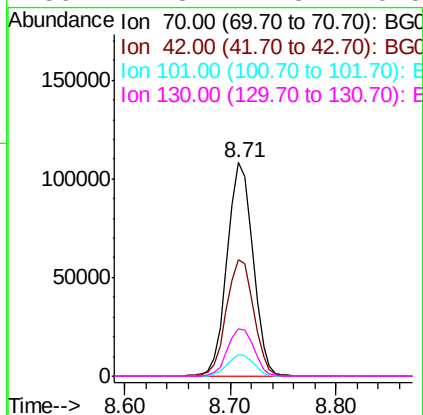




#19  
n-Nitroso-di-n-propylamine  
Concen: 46.608 ng  
RT: 8.71 min Scan# 956  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

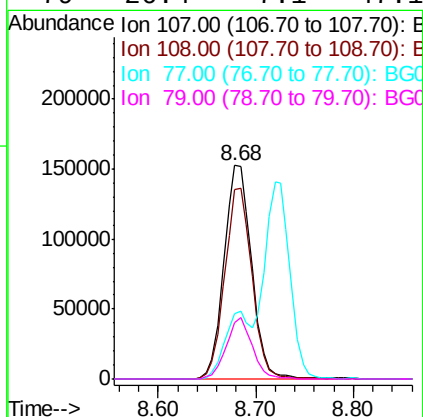
Instrument :  
BNA\_G  
ClientSampleId :

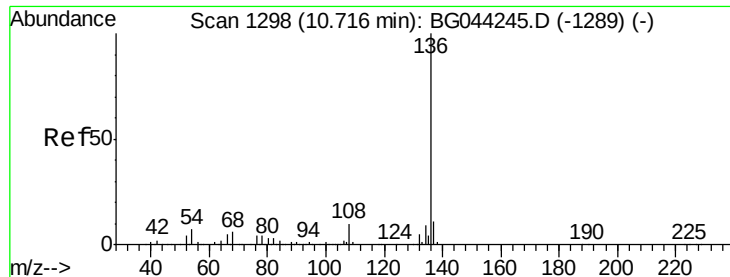
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 182599 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.5  | 46.2  | 69.2   |
| 101      | 10.2  | 8.4   | 12.6   |
| 130      | 22.3  | 17.8  | 26.8   |



#20  
3+4-Methylphenols  
Concen: 52.233 ng  
RT: 8.68 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 298796 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.6  | 68.5  | 108.5  |
| 77       | 30.8  | 10.9  | 50.9   |
| 79       | 26.4  | 7.1   | 47.1   |

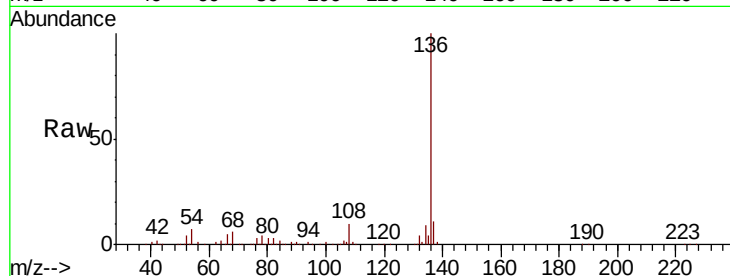




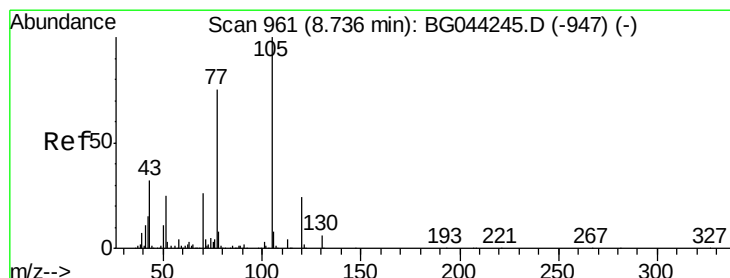
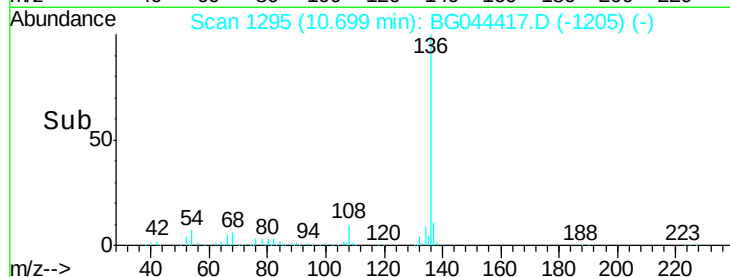
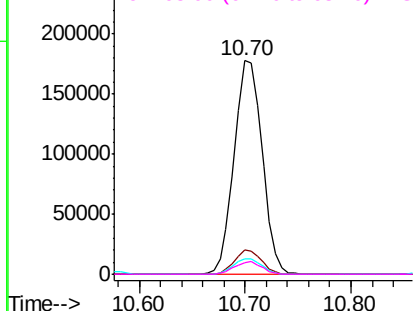
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1295  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampled :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 326439 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.4    | 8.8   | 13.2   |
| 54 7.3      | 5.8   | 8.8    |
| 68 5.6      | 4.6   | 6.8    |

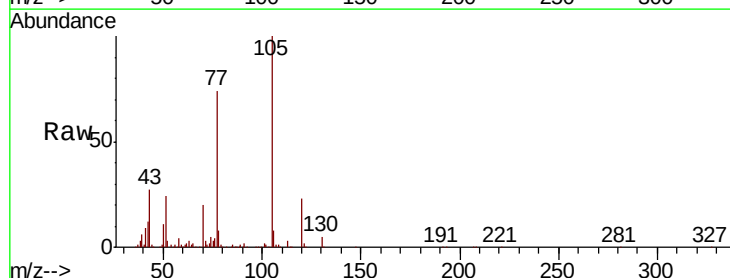


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

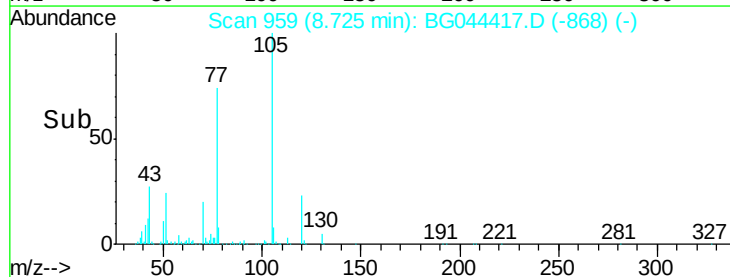
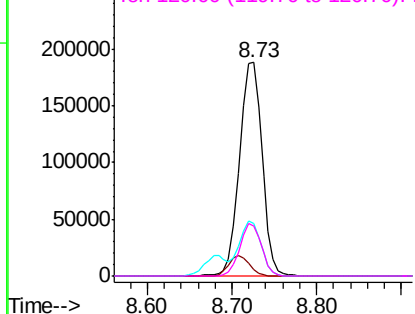


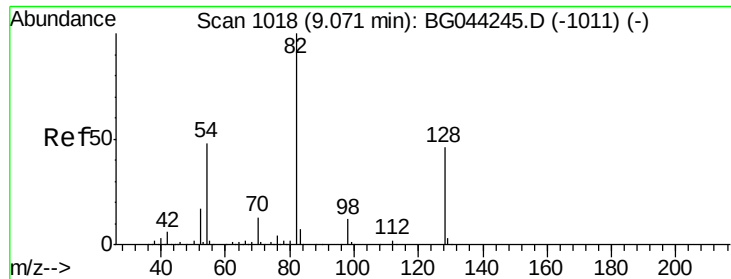
#22  
Acetophenone  
Concen: 43.874 ng  
RT: 8.73 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 348415 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 2.9     | 3.4   | 5.0#   |
| 51  | 24.5    | 20.2  | 30.4   |
| 120 | 23.2    | 19.1  | 28.7   |



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

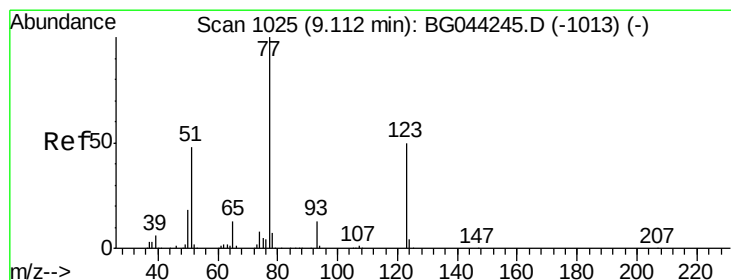
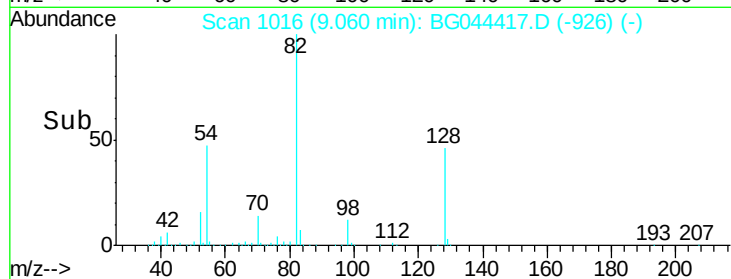
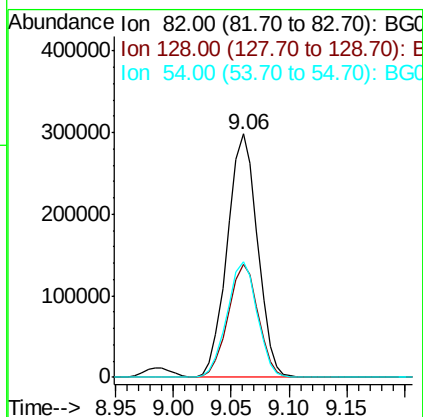
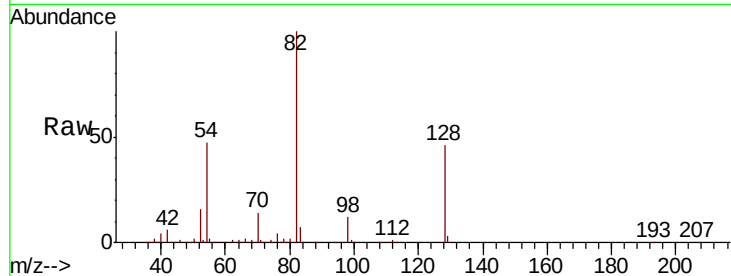




#23  
 Nitrobenzene-d5  
 Concen: 93.487 ng  
 RT: 9.06 min Scan# 1016  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

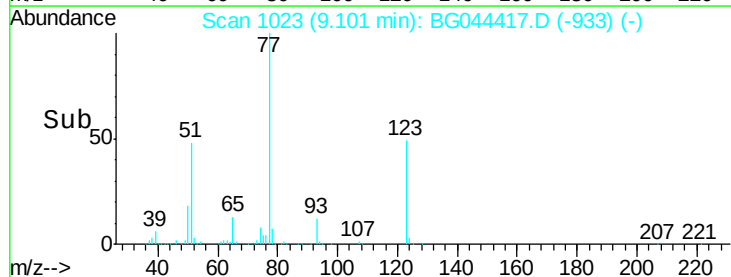
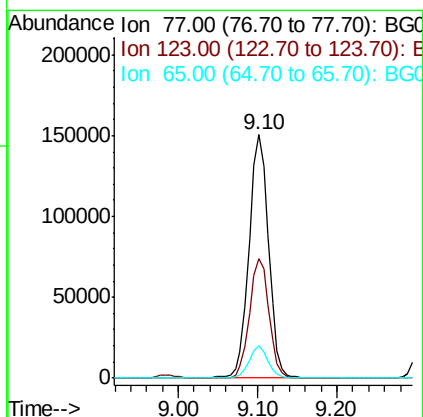
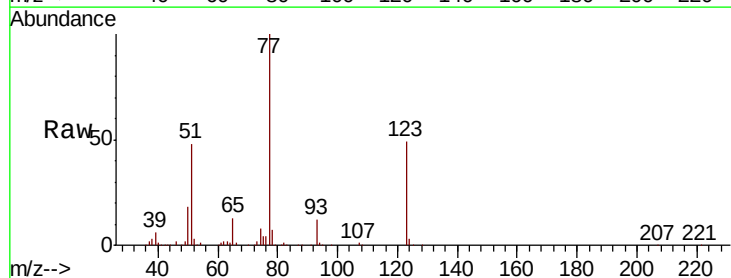
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 540554 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.4  | 36.5  | 54.7   |
| 54        | 47.3  | 38.6  | 58.0   |

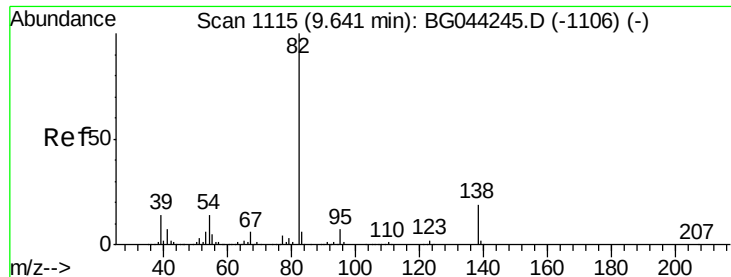


#24  
 Nitrobenzene  
 Concen: 45.891 ng  
 RT: 9.10 min Scan# 1023  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion   | 77    | Resp  | 259047 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 49.1  | 39.9  | 59.9   |
| 65        | 13.4  | 10.4  | 15.6   |







#25

Isophorone

Concen: 46.999 ng

RT: 9.62 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

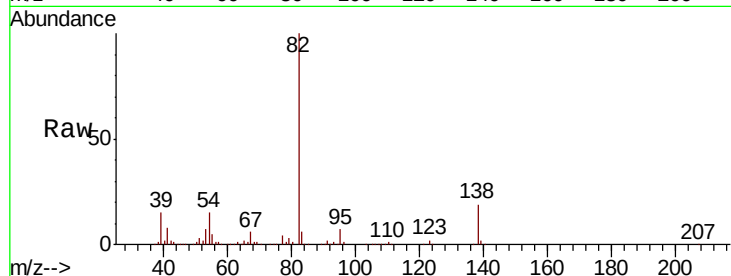
Tot Ion: 82 Resp: 506519

Ion Ratio Lower Upper

82 100

95 7.1 5.7 8.5

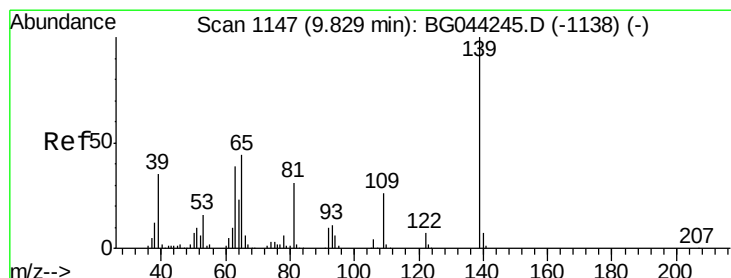
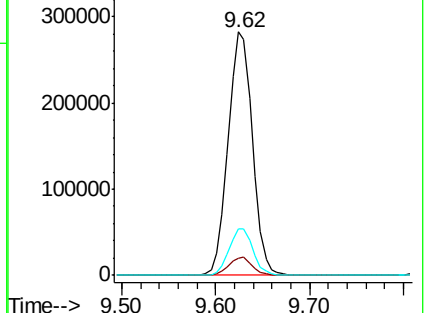
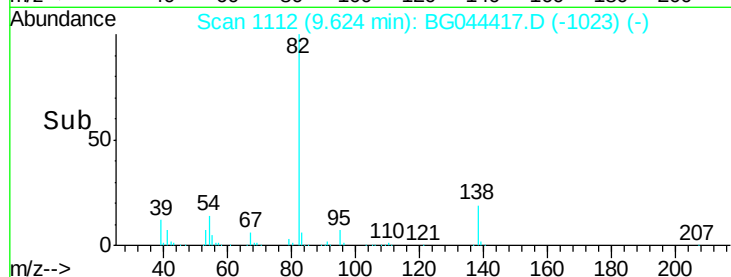
138 19.0 15.0 22.4



Abundance Ion 82.00 (81.70 to 82.70): BG044417.D (-1023) (-)

Ion 95.00 (94.70 to 95.70): BG044417.D (-1023) (-)

Ion 138.00 (137.70 to 138.70): BG044417.D (-1023) (-)



#26

2-Nitrophenol

Concen: 49.280 ng

RT: 9.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

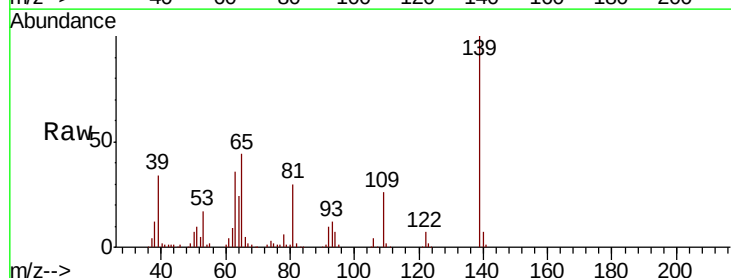
Tgt Ion: 139 Resp: 144342

Ion Ratio Lower Upper

139 100

109 26.5 21.0 31.4

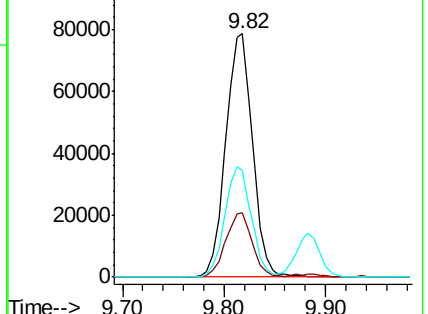
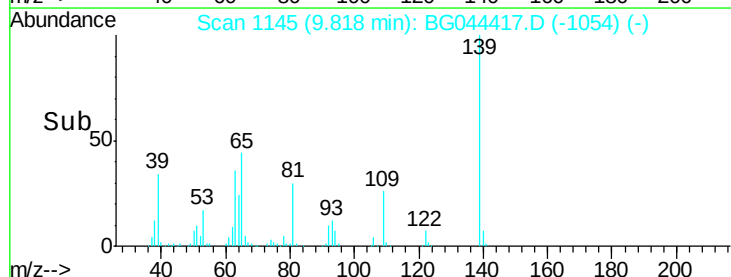
65 43.6 35.0 52.4

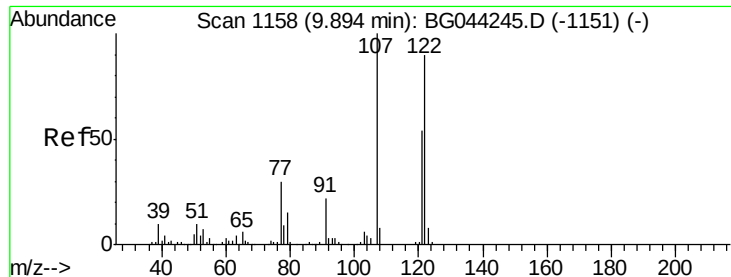


Abundance Ion 139.00 (138.70 to 139.70): BG044417.D (-1054) (-)

Ion 109.00 (108.70 to 109.70): BG044417.D (-1054) (-)

Ion 65.00 (64.70 to 65.70): BG044417.D (-1054) (-)

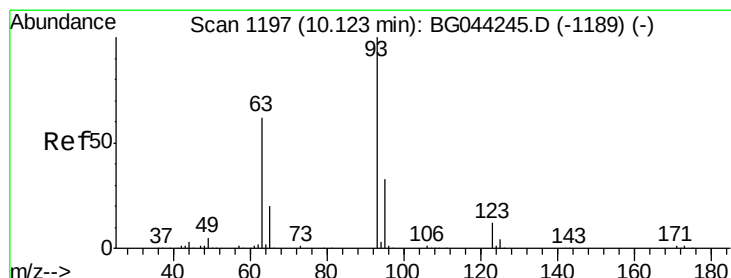
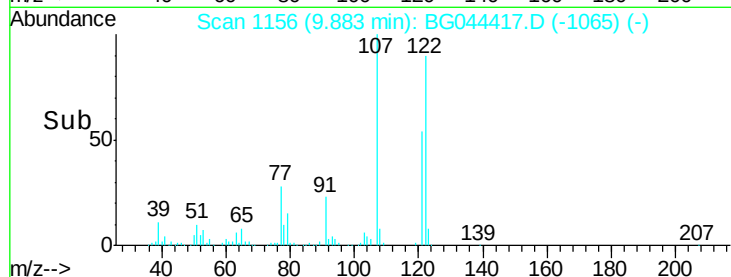
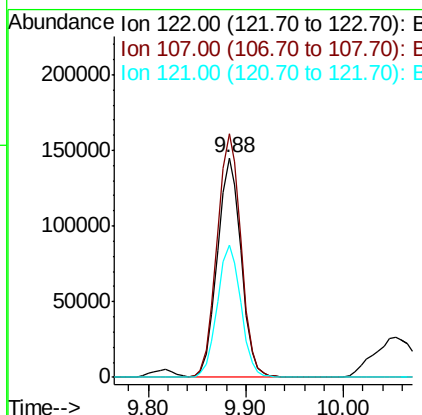
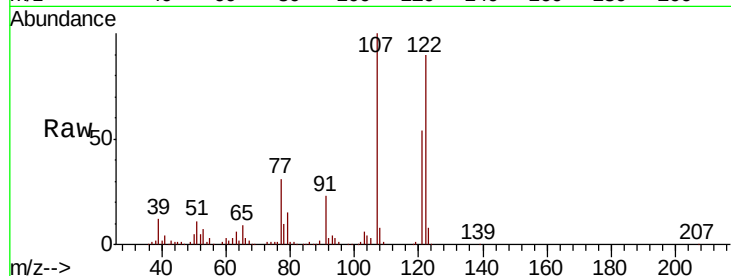




#27  
 2,4-Dimethylphenol  
 Concen: 58.993 ng  
 RT: 9.88 min Scan# 1156  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

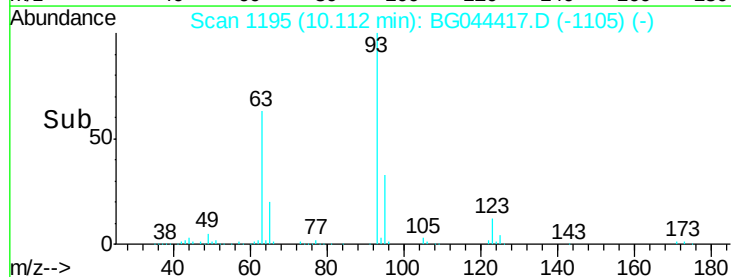
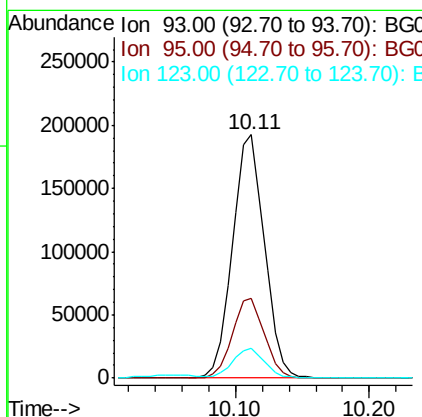
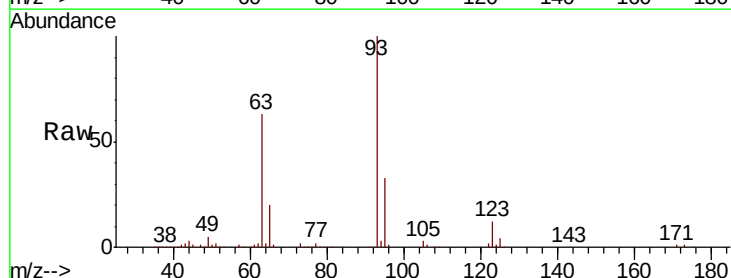
Instrument :  
 BNA\_G  
 ClientSampleId :

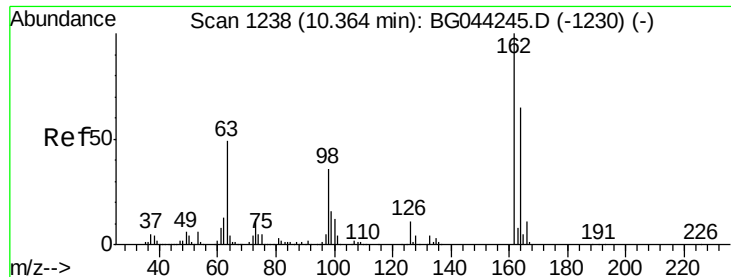
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.8 | 88.8  | 133.2 |
| 121     | 59.9  | 48.3  | 72.5  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.456 ng  
 RT: 10.11 min Scan# 1195  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.0  | 26.6  | 40.0  |
| 123     | 12.1  | 10.0  | 15.0  |

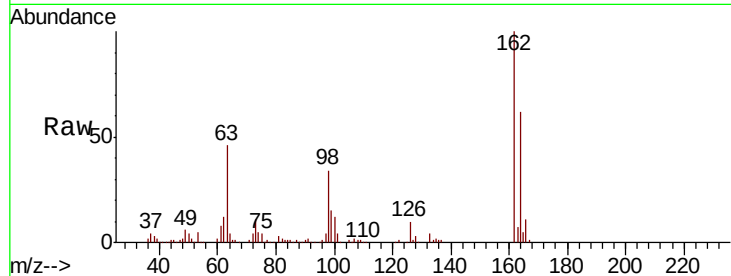




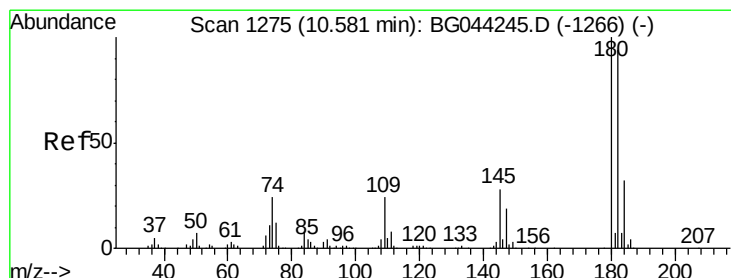
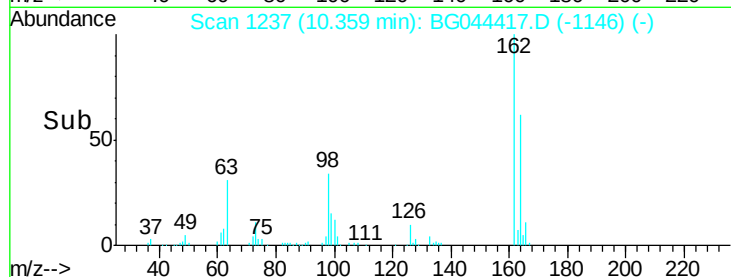
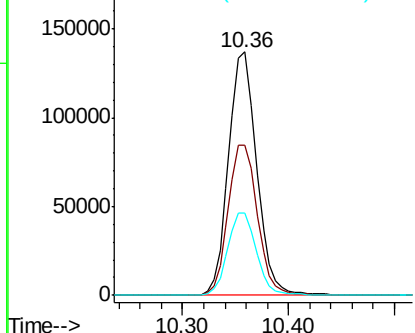
#29  
2,4-Dichlorophenol  
Concen: 50.747 ng  
RT: 10.36 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.9  | 44.7  | 84.7  |
| 98      | 33.6  | 15.8  | 55.8  |

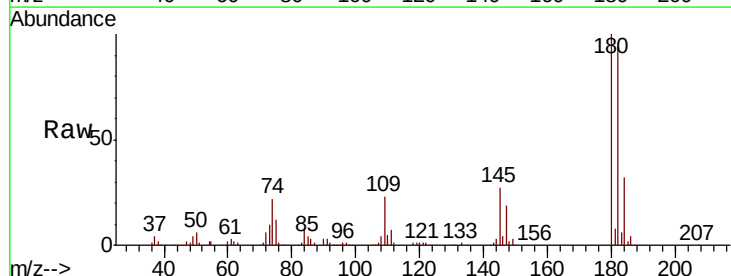


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): B

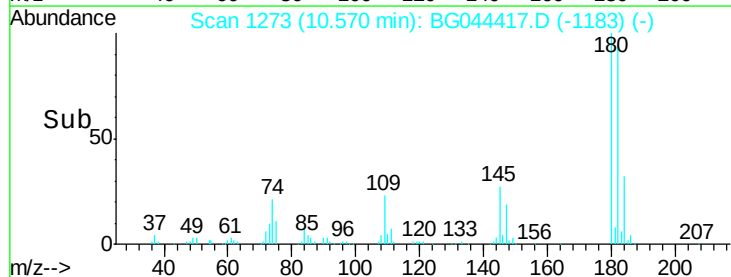
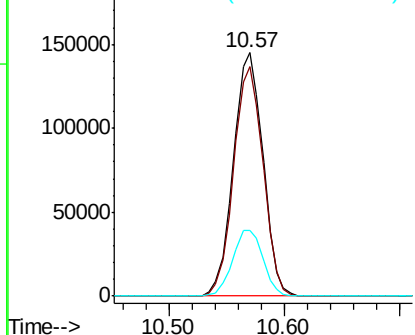


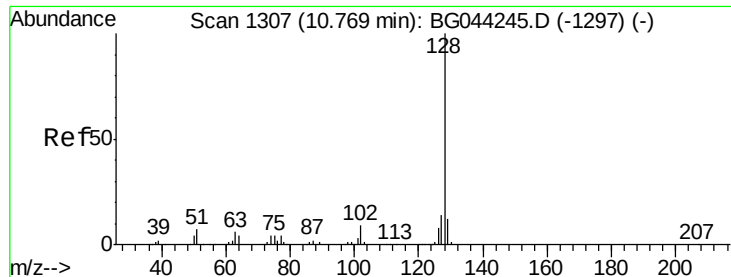
#30  
1,2,4-Trichlorobenzene  
Concen: 44.743 ng  
RT: 10.57 min Scan# 1273  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 75.5  | 113.3 |
| 145     | 27.2  | 22.6  | 34.0  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E

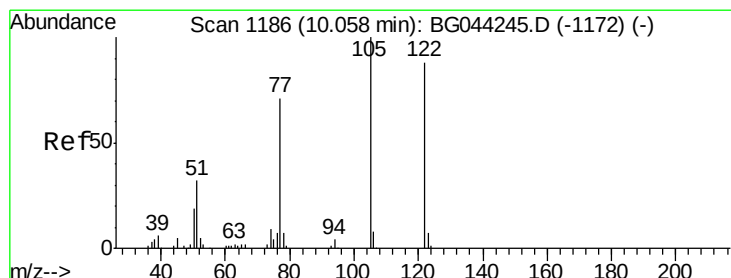
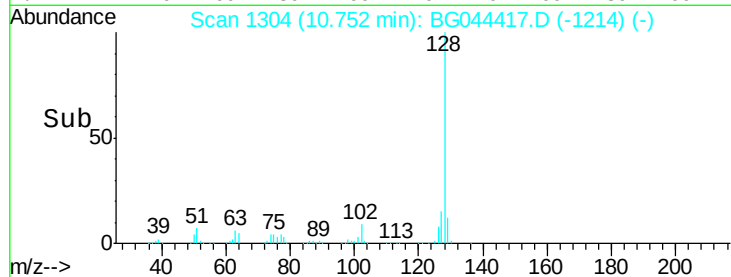
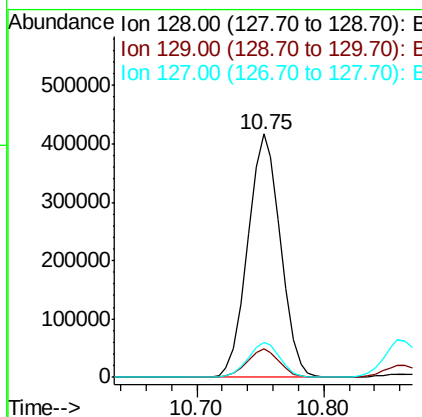
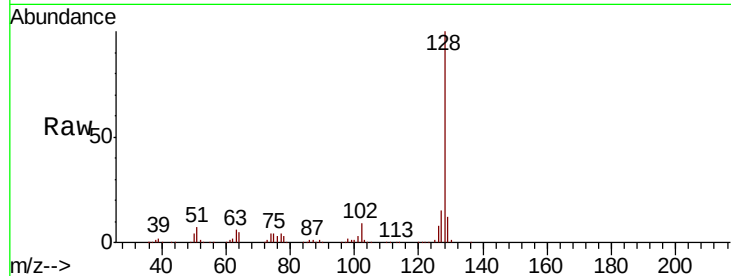




#31  
Naphthalene  
Concen: 47.114 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

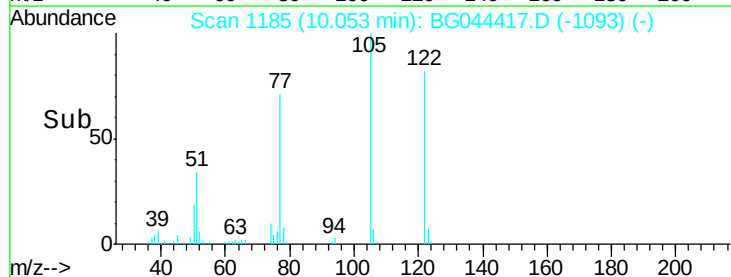
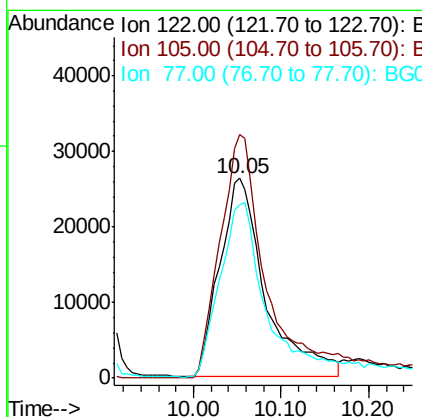
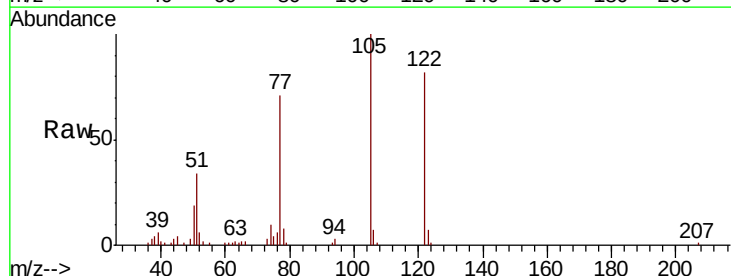
Instrument :  
BNA\_G  
ClientSampled :

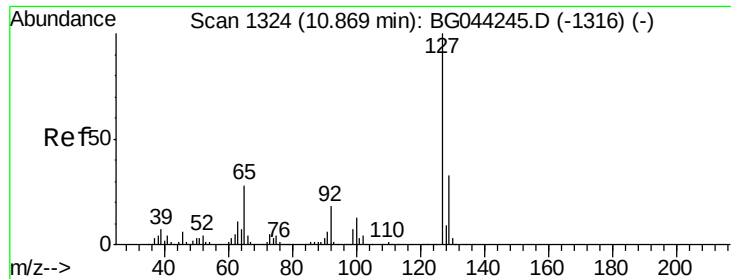
Tot Ion:128 Resp: 746179  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.3 13.9  
127 14.6 11.6 17.4



#32  
Benzoic acid  
Concen: 38.652 ng  
RT: 10.05 min Scan# 1185  
Delta R.T. 0.01 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:122 Resp: 94601  
Ion Ratio Lower Upper  
122 100  
105 121.9 93.5 133.5  
77 86.5 61.0 101.0

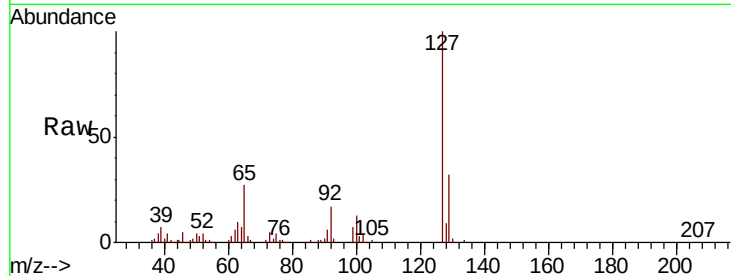




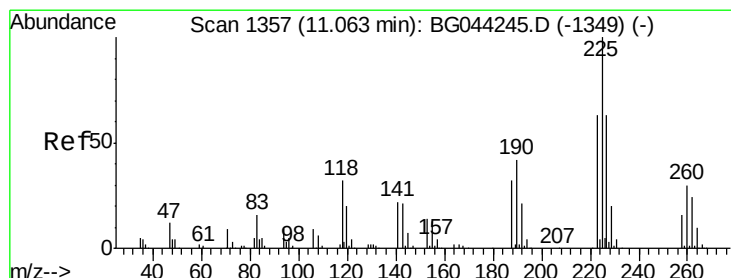
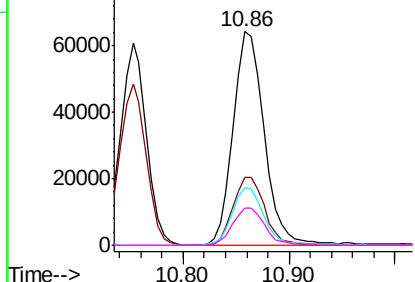
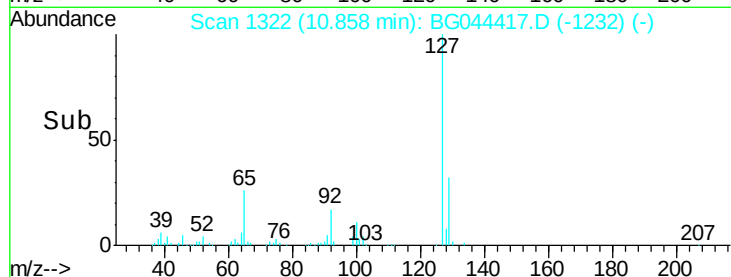
#33  
4-Chloroaniline  
Concen: 18.250 ng  
RT: 10.86 min Scan# 1322  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 131454      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 31.6  | 26.6 40.0   |
| 65          | 26.8  | 22.5 33.7   |
| 92          | 17.3  | 14.1 21.1   |

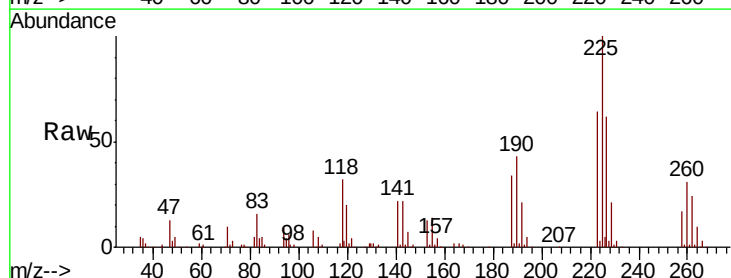


Abundance Ion 127.00 (126.70 to 127.70): E  
100000  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

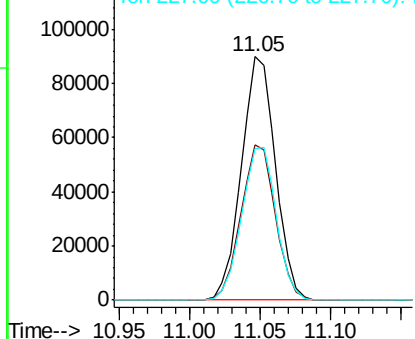
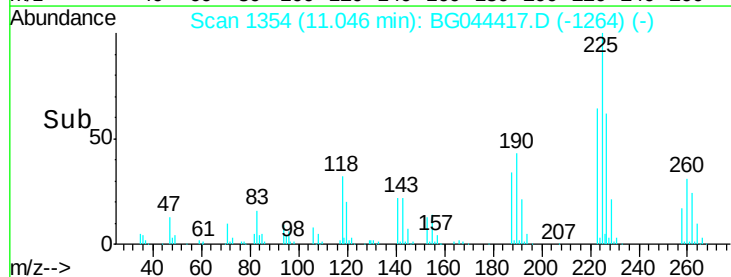


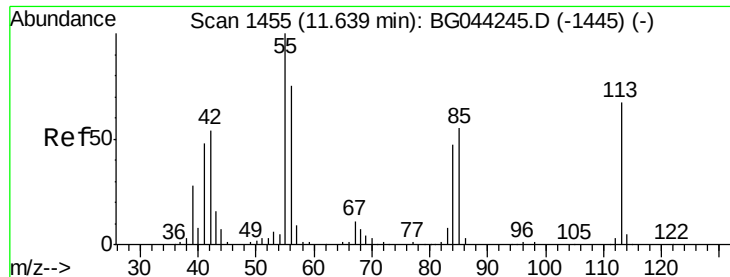
#34  
Hexachlorobutadiene  
Concen: 43.157 ng  
RT: 11.05 min Scan# 1354  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 152233      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 63.9  | 50.2 75.4   |
| 227         | 62.2  | 50.8 76.2   |



Abundance Ion 225.00 (224.70 to 225.70): E  
120000  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 29.023 ng

RT: 11.63 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

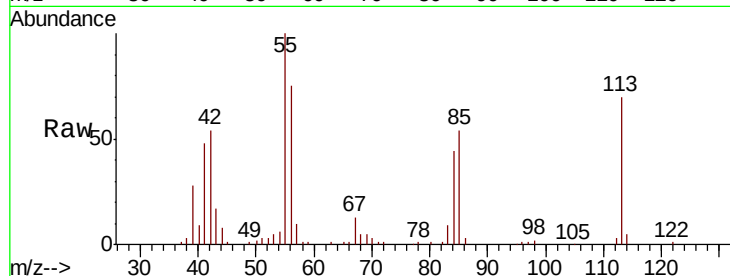
Tot Ion:113 Resp: 53153

Ion Ratio Lower Upper

113 100

55 143.9 129.9 169.9

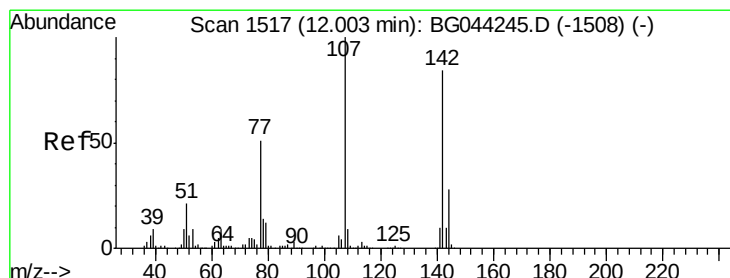
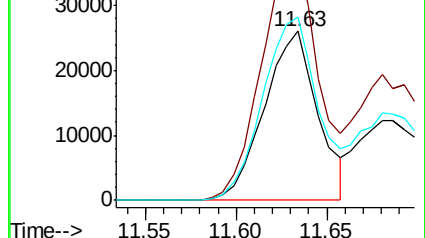
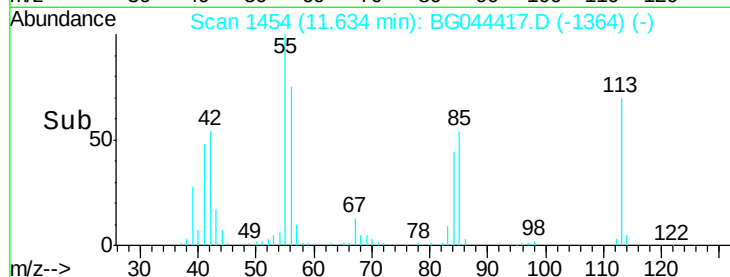
56 108.5 92.5 132.5



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 52.048 ng

RT: 12.00 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

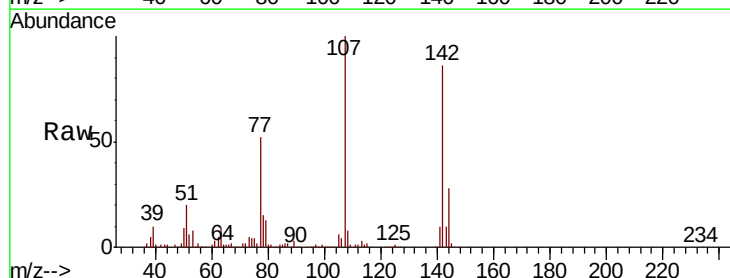
Tgt Ion:107 Resp: 272822

Ion Ratio Lower Upper

107 100

144 28.0 22.2 33.4

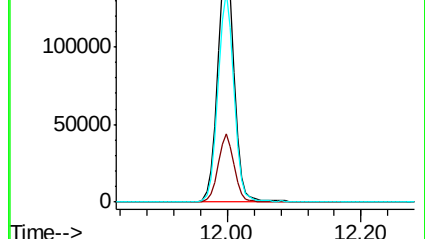
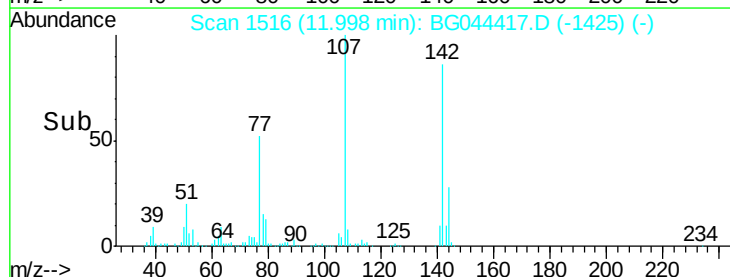
142 86.5 67.4 101.0

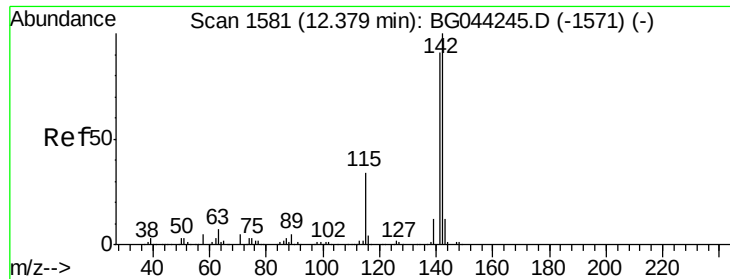


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

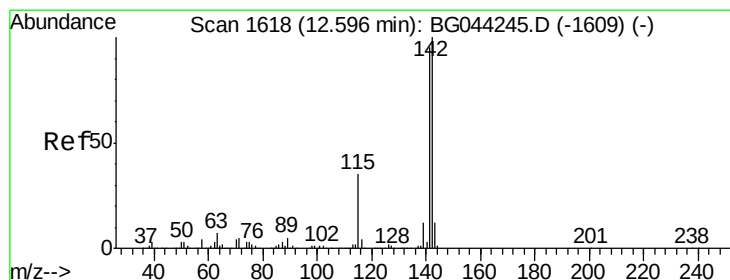
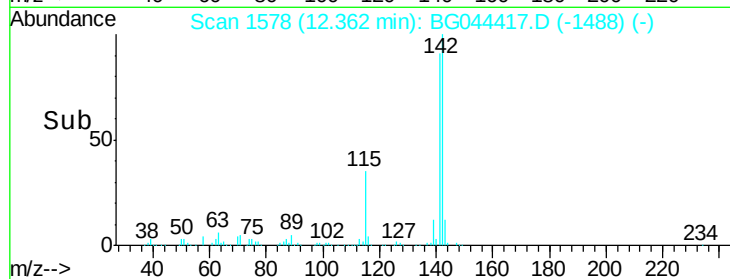
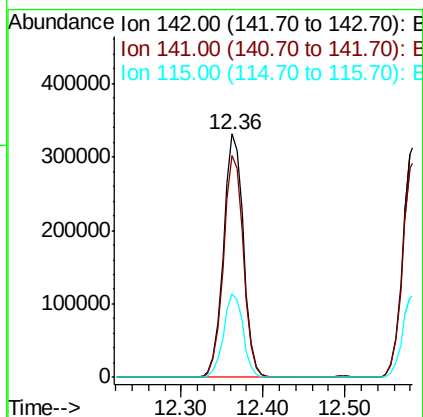
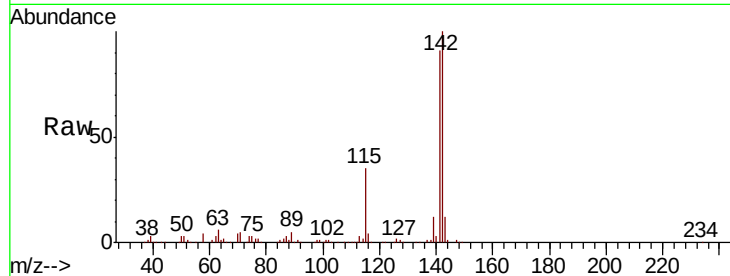




#37  
 2-Methylnaphthalene  
 Concen: 47.543 ng  
 RT: 12.36 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

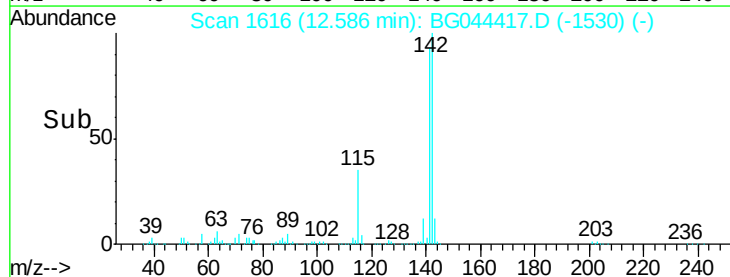
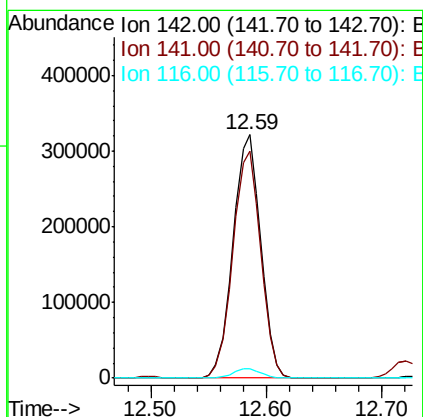
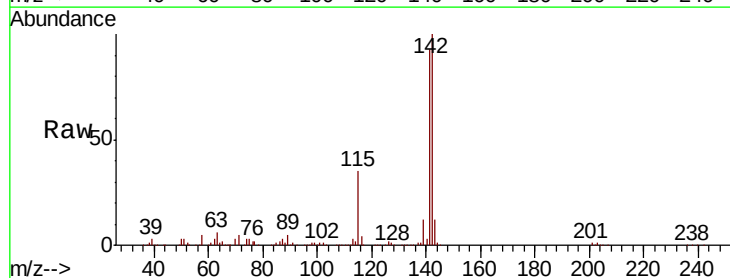
Instrument :  
 BNA\_G  
 ClientSampleId :

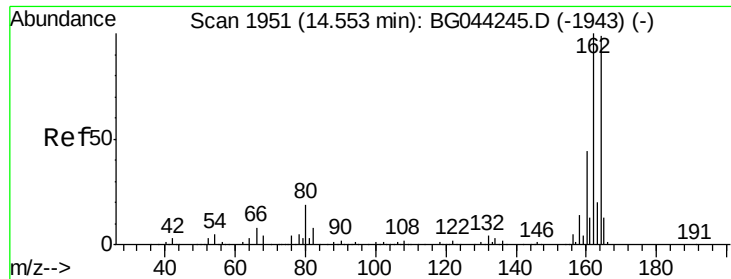
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.2  | 73.2  | 109.8 |
| 115     | 34.6  | 27.1  | 40.7  |



#38  
 1-Methylnaphthalene  
 Concen: 48.150 ng  
 RT: 12.59 min Scan# 1616  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.2  | 75.8  | 113.6 |
| 116     | 3.7   | 3.1   | 4.7   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

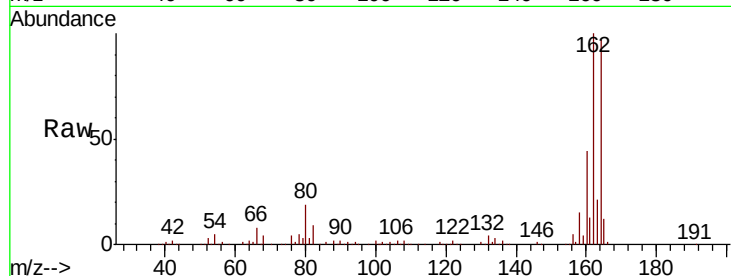
Tot Ion:164 Resp: 219681

Ion Ratio Lower Upper

164 100

162 103.3 80.7 121.1

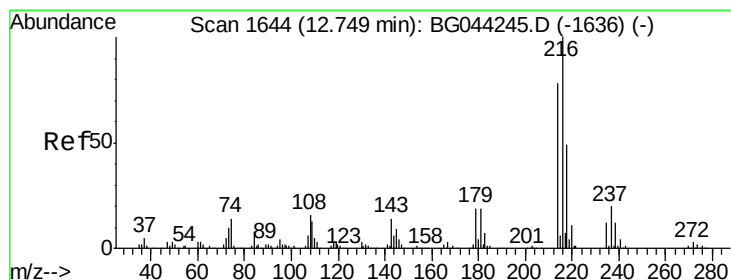
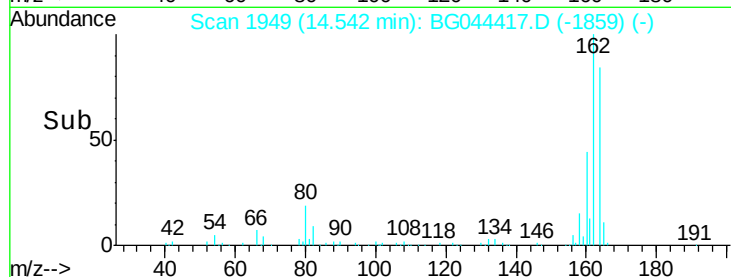
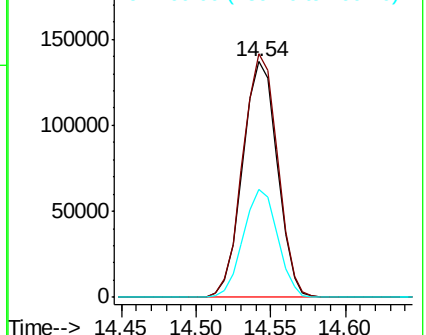
160 45.9 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.232 ng

RT: 12.74 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Tgt Ion:216 Resp: 284093

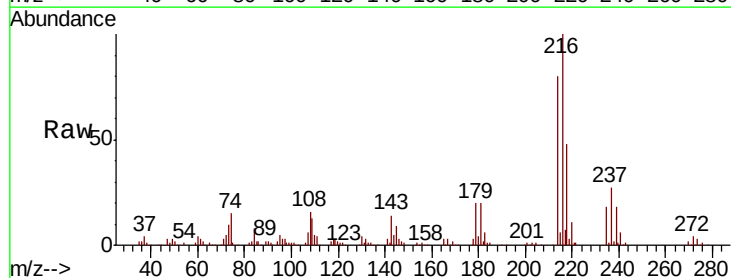
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.6

179 20.3 16.2 24.4

108 18.7 13.5 20.3

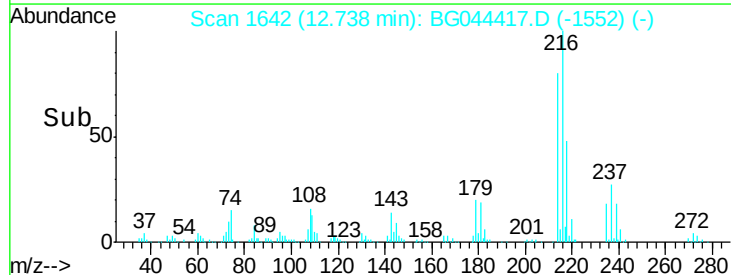
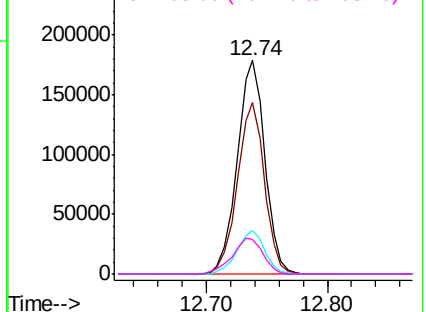


Abundance Ion 216.00 (215.70 to 216.70): E

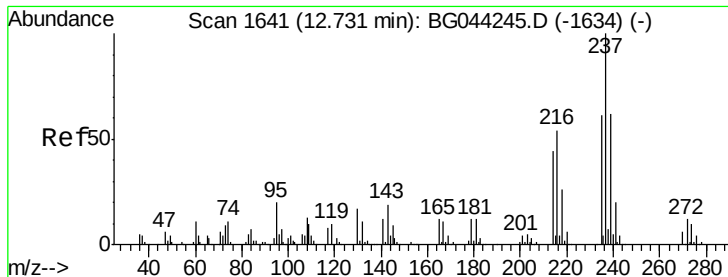
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 95.962 ng

RT: 12.72 min Scan# 1639

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

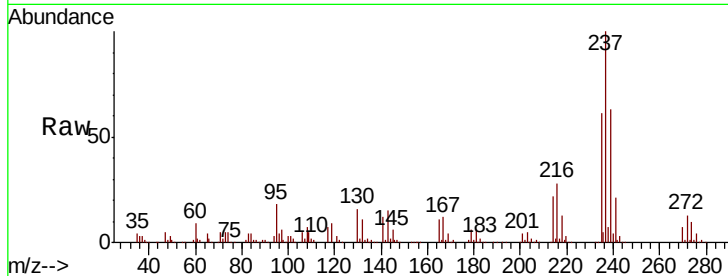
Tot Ion:237 Resp: 302581

Ion Ratio Lower Upper

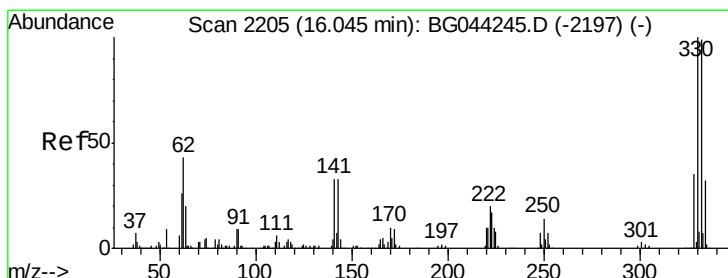
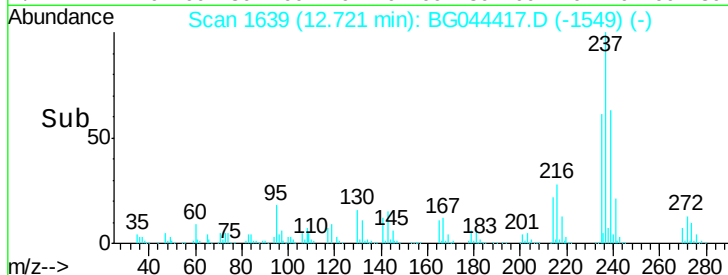
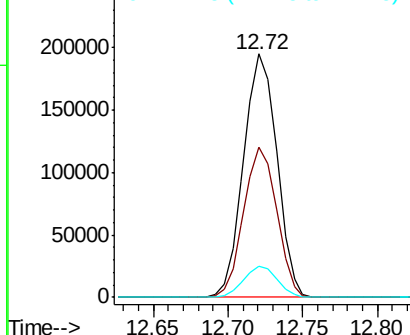
237 100

235 61.4 41.2 81.2

272 12.6 0.0 32.4



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



#42

2,4,6-Tribromophenol

Concen: 149.948 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

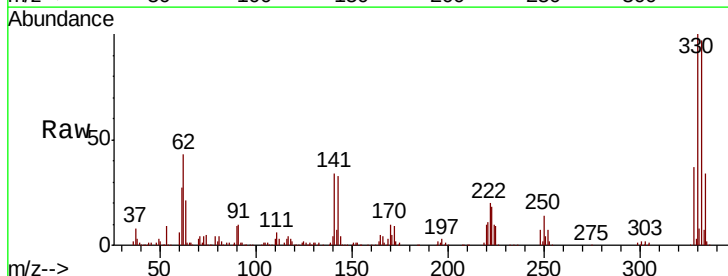
Tgt Ion:330 Resp: 386705

Ion Ratio Lower Upper

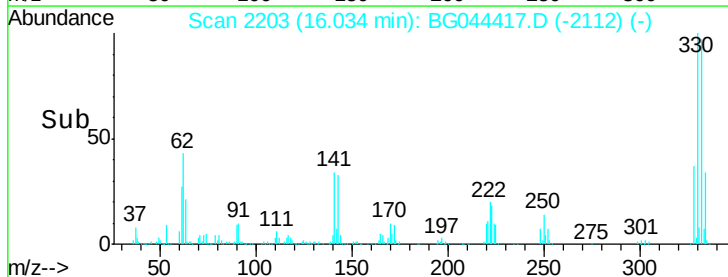
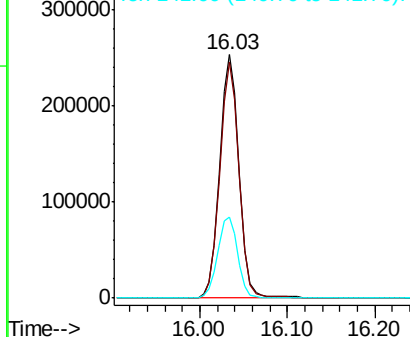
330 100

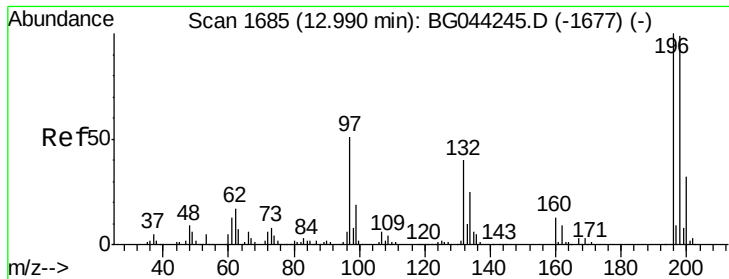
332 95.6 77.2 115.8

141 34.7 28.3 42.5



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

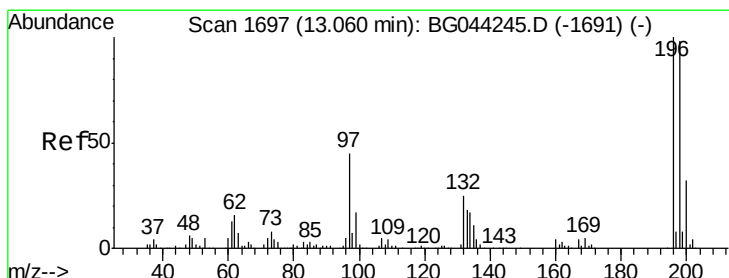
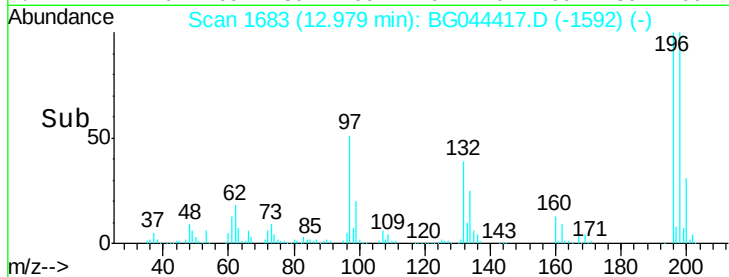
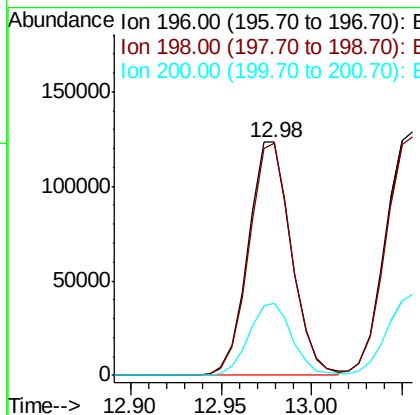
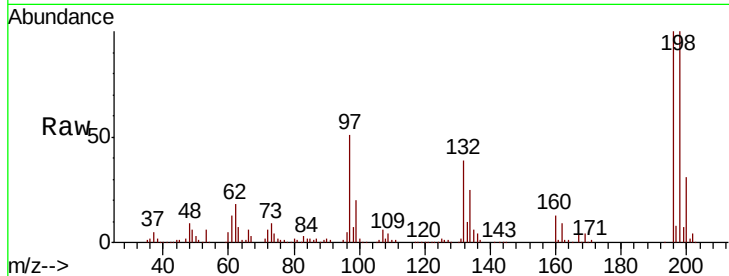




#43  
 2,4,6-Trichlorophenol  
 Concen: 48.224 ng  
 RT: 12.98 min Scan# 1683  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

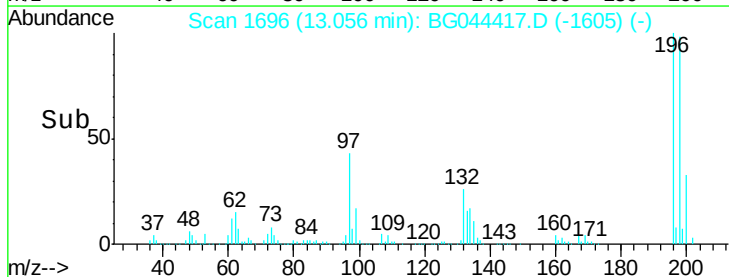
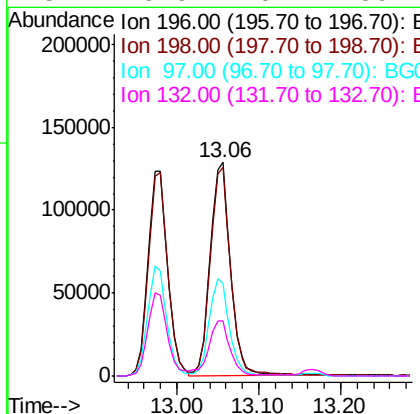
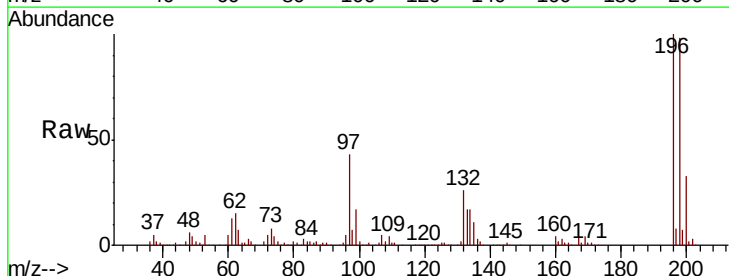
Instrument :  
 BNA\_G  
 ClientSampleId :

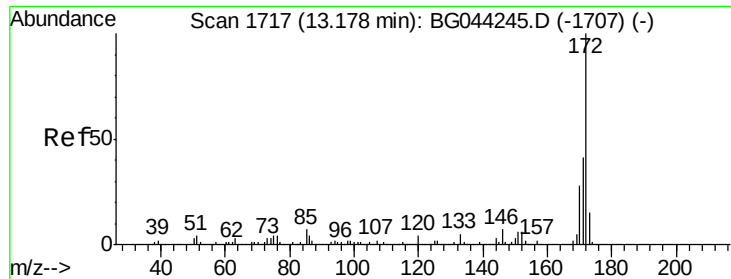
Tot Ion:196 Resp: 204836  
 Ion Ratio Lower Upper  
 196 100  
 198 99.6 79.3 118.9  
 200 30.7 25.7 38.5



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.645 ng  
 RT: 13.06 min Scan# 1696  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

Tgt Ion:196 Resp: 224059  
 Ion Ratio Lower Upper  
 196 100  
 198 97.8 78.2 117.2  
 97 43.4 36.2 54.4  
 132 25.9 20.2 30.4

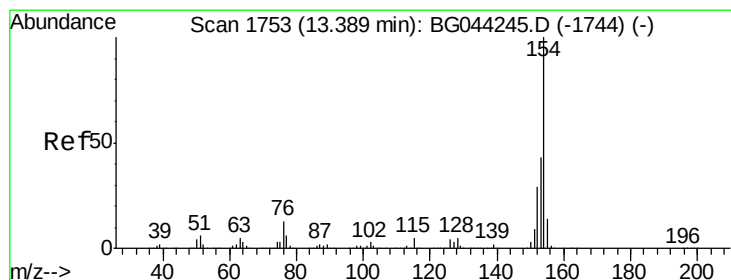
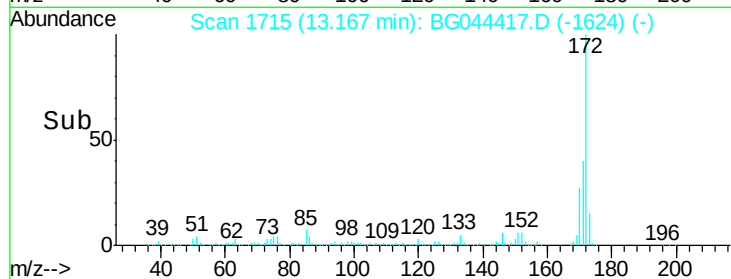
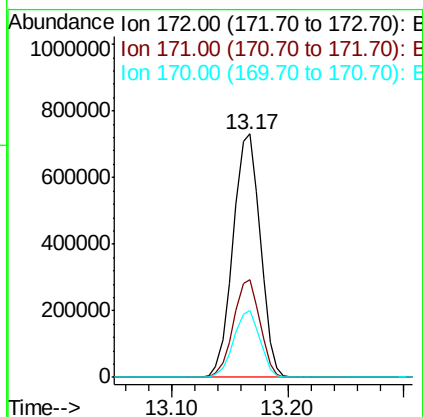
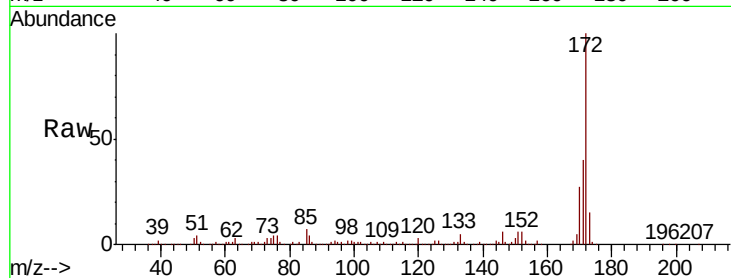




#45  
2-Fluorobiphenyl  
Concen: 91.148 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

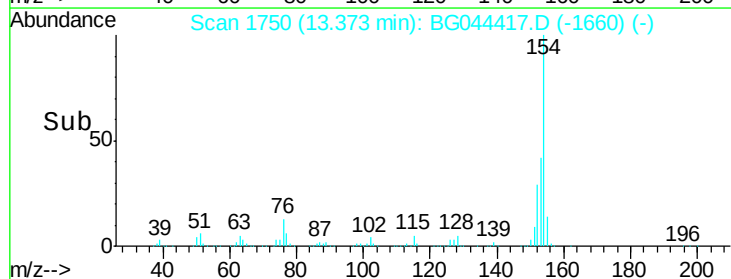
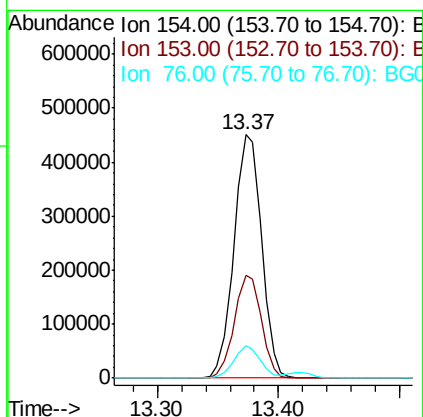
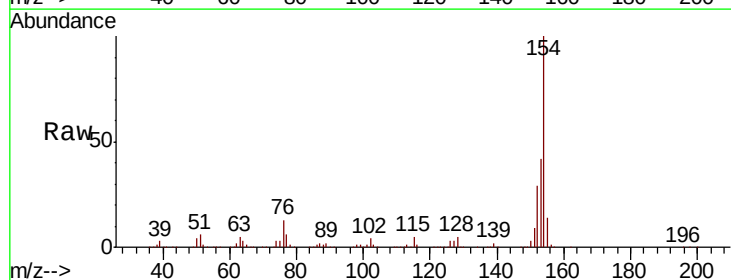
Instrument :  
BNA\_G  
ClientSampled :

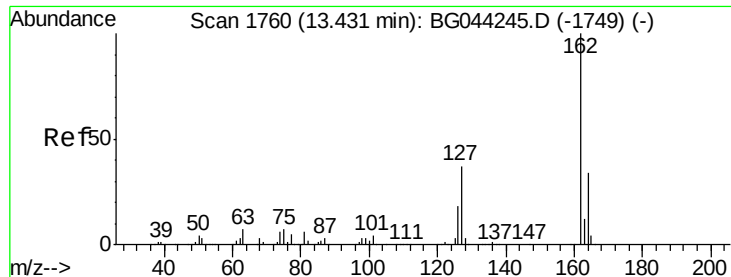
Tot Ion:172 Resp: 1195744  
Ion Ratio Lower Upper  
172 100  
171 40.2 32.9 49.3  
170 27.4 22.0 33.0



#46  
1,1'-Biphenyl  
Concen: 45.426 ng  
RT: 13.37 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:154 Resp: 719817  
Ion Ratio Lower Upper  
154 100  
153 42.4 22.7 62.7  
76 13.2 0.0 32.9

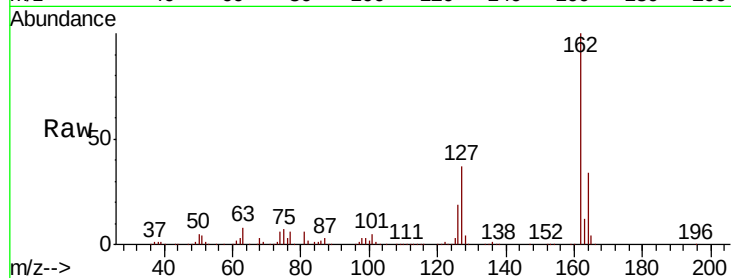




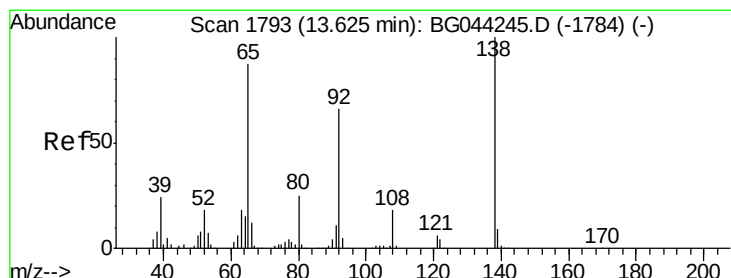
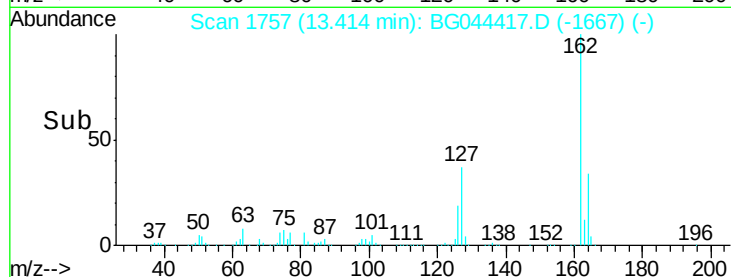
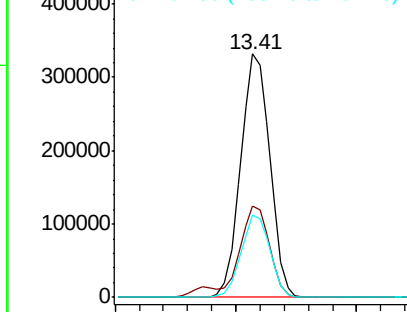
#47  
2-Chloronaphthalene  
Concen: 44.486 ng  
RT: 13.41 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:162 Resp: 560940  
Ion Ratio Lower Upper  
162 100  
127 37.3 30.0 45.0  
164 33.6 27.2 40.8

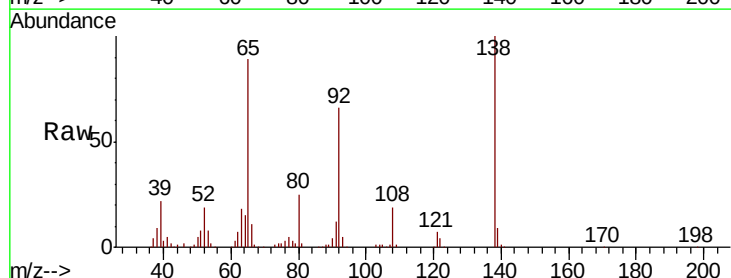


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

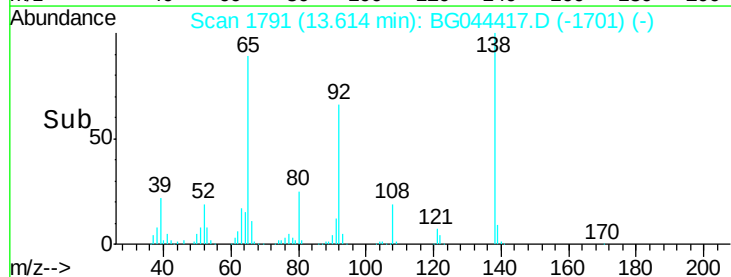
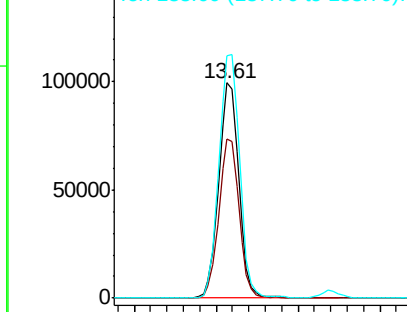


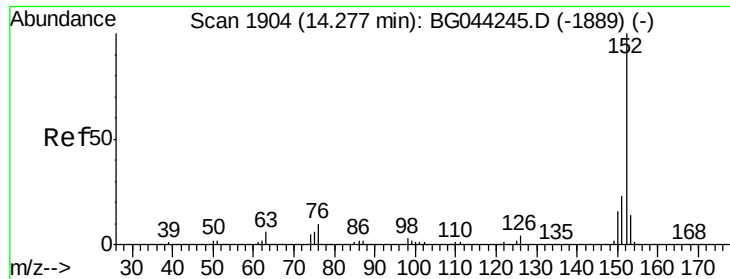
#48  
2-Nitroaniline  
Concen: 45.982 ng  
RT: 13.61 min Scan# 1791  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion: 65 Resp: 171111  
Ion Ratio Lower Upper  
65 100  
92 74.1 60.3 90.5  
138 112.5 91.9 137.9



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): E





#49

Acenaphthylene

Concen: 48.388 ng

RT: 14.27 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

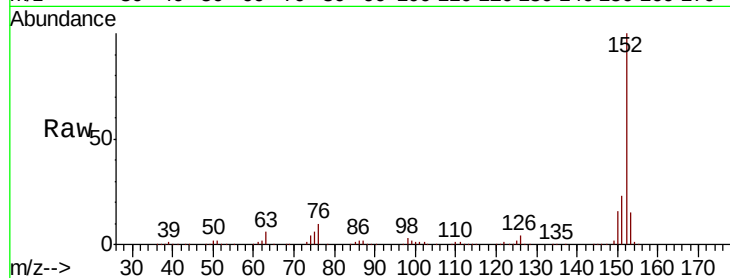
Tot Ion:152 Resp: 894911

Ion Ratio Lower Upper

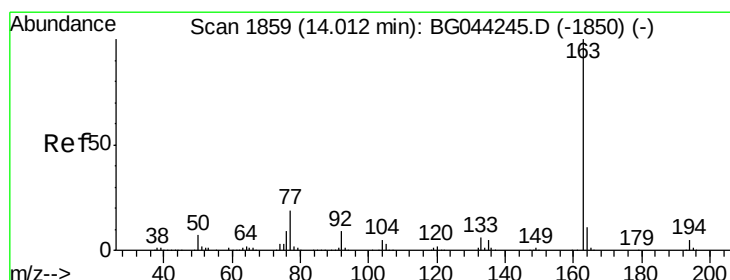
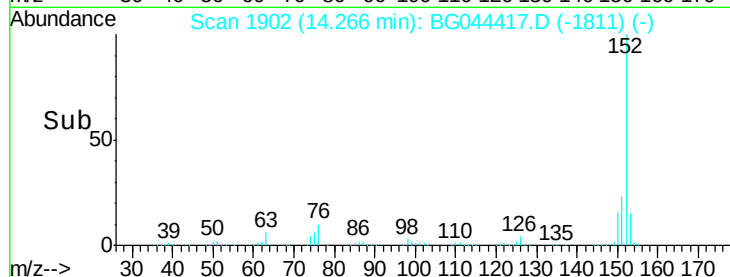
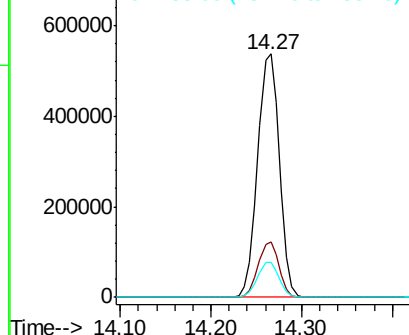
152 100

151 22.8 18.1 27.1

153 14.6 11.5 17.3



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



#50

Dimethylphthalate

Concen: 49.585 ng

RT: 14.00 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

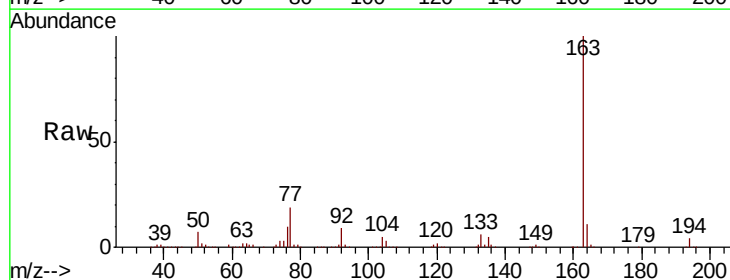
Tgt Ion:163 Resp: 783007

Ion Ratio Lower Upper

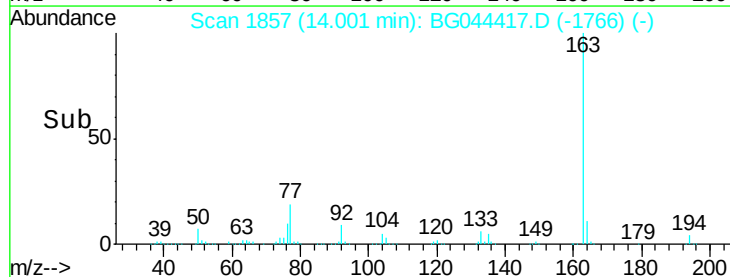
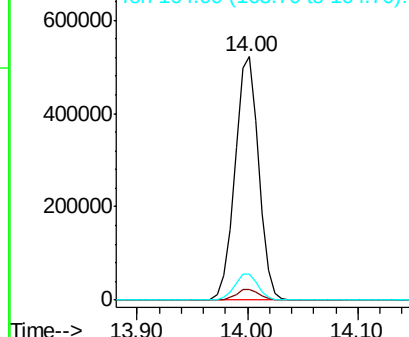
163 100

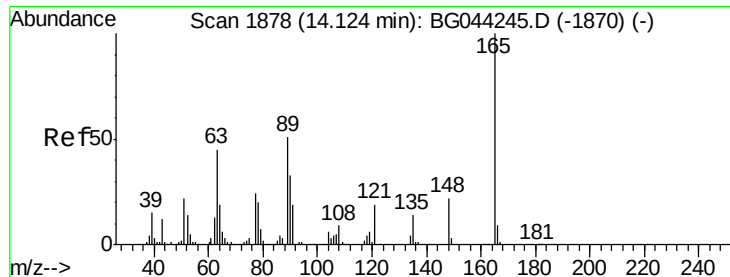
194 4.3 3.6 5.4

164 10.9 8.7 13.1



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





#51

2,6-Dinitrotoluene

Concen: 47.823 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampled :

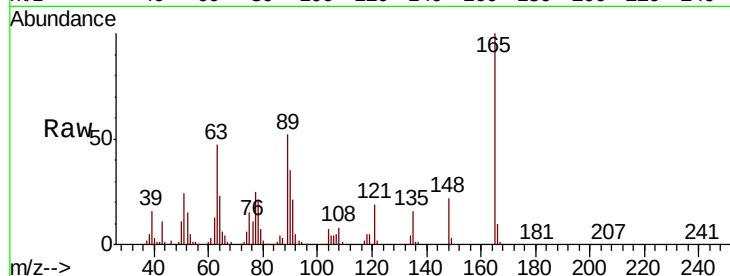
Tot Ion:165 Resp: 168383

Ion Ratio Lower Upper

165 100

63 47.2 38.7 58.1

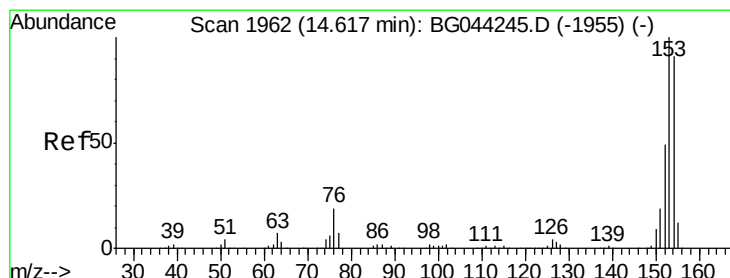
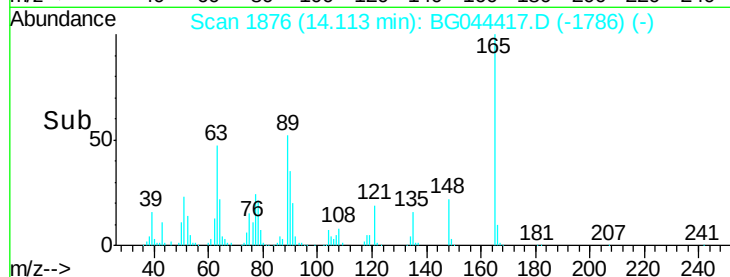
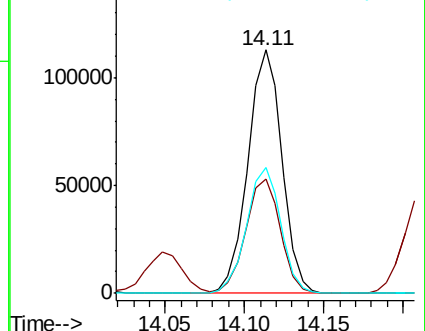
89 52.0 40.4 60.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 46.124 ng

RT: 14.61 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

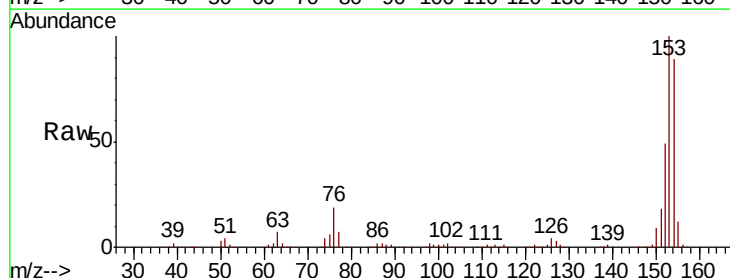
Tgt Ion:154 Resp: 552918

Ion Ratio Lower Upper

154 100

153 112.7 87.9 131.9

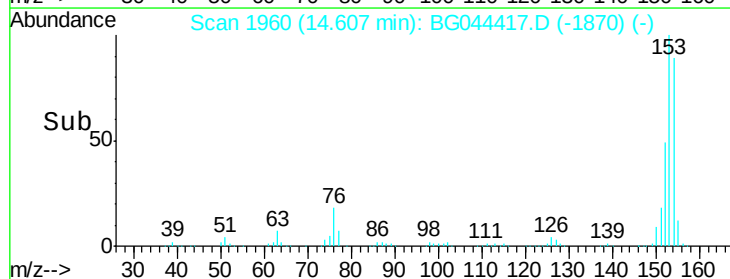
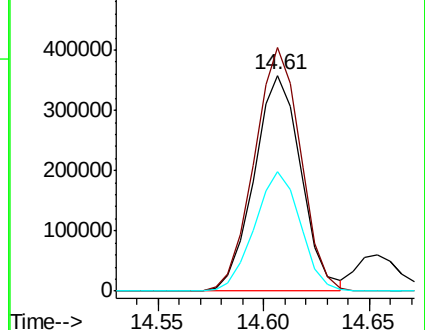
152 55.2 43.1 64.7

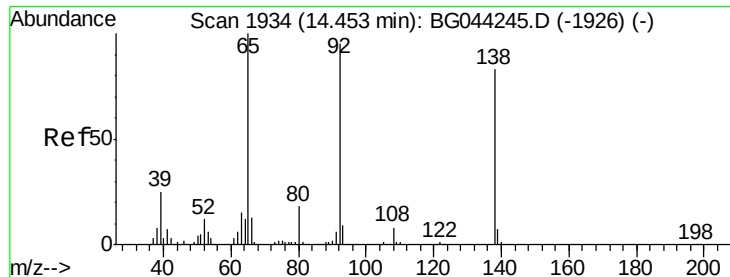


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

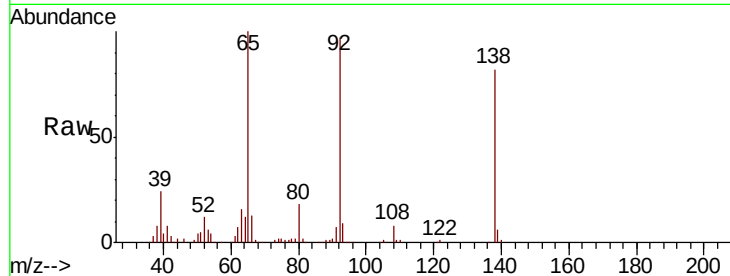




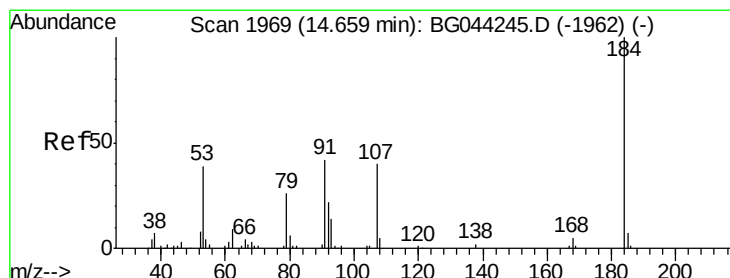
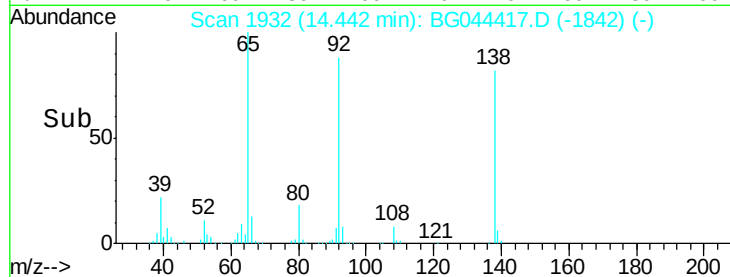
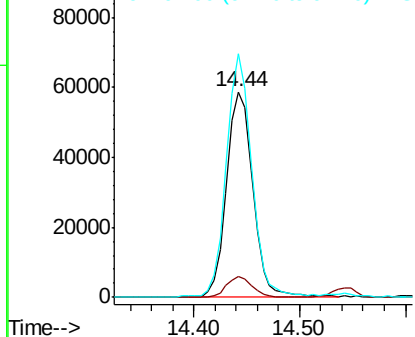
#53  
 3-Nitroaniline  
 Concen: 26.132 ng  
 RT: 14.44 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:138 Resp: 101794  
 Ion Ratio Lower Upper  
 138 100  
 108 10.0 7.9 11.9  
 92 118.5 91.0 136.4

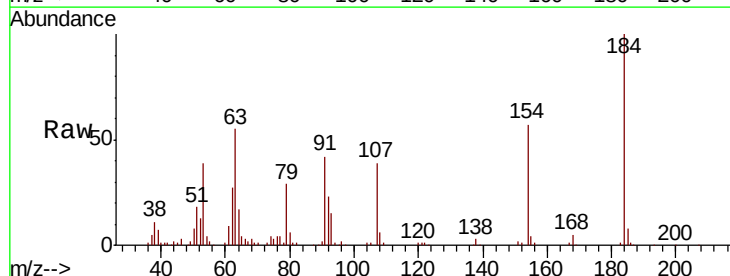


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BGC

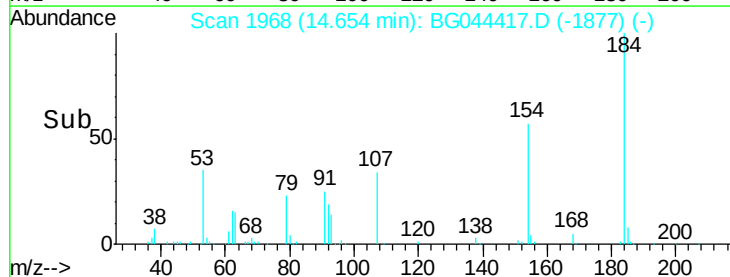
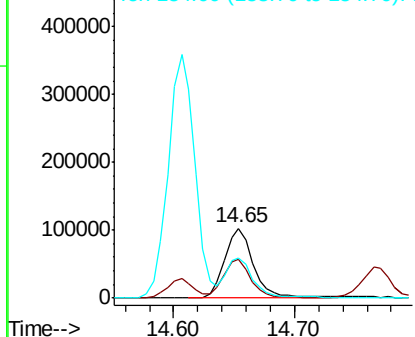


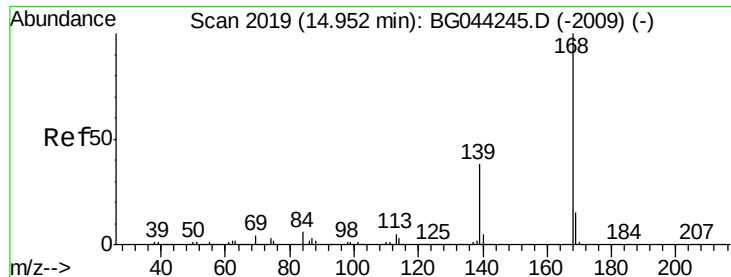
#54  
 2,4-Dinitrophenol  
 Concen: 81.650 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

Tgt Ion:184 Resp: 170709  
 Ion Ratio Lower Upper  
 184 100  
 63 55.3 44.1 66.1  
 154 57.4 45.4 68.0



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

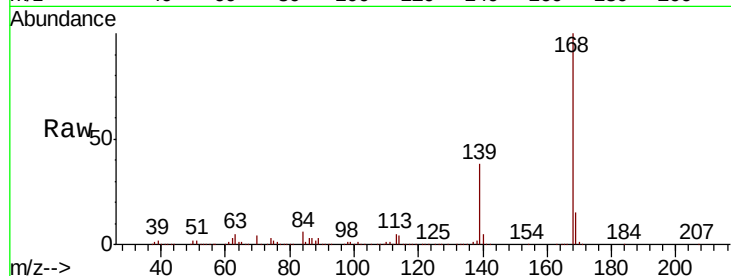




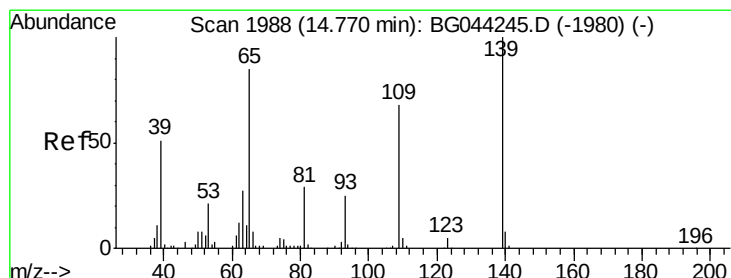
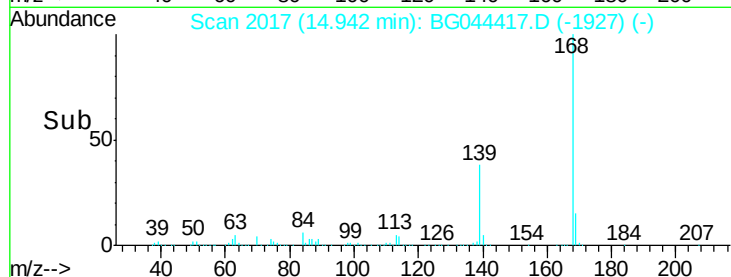
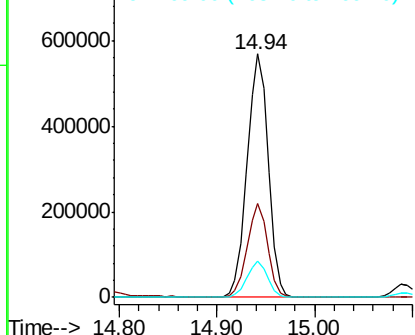
#55  
Dibenzenofuran  
Concen: 47.618 ng  
RT: 14.94 min Scan# 2017  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:168 Resp: 864262  
Ion Ratio Lower Upper  
168 100  
139 38.4 30.5 45.7  
169 15.0 11.7 17.5

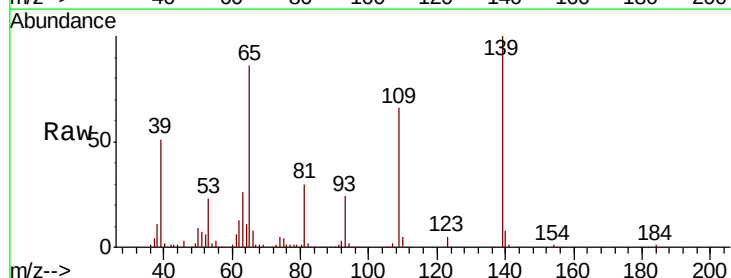


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

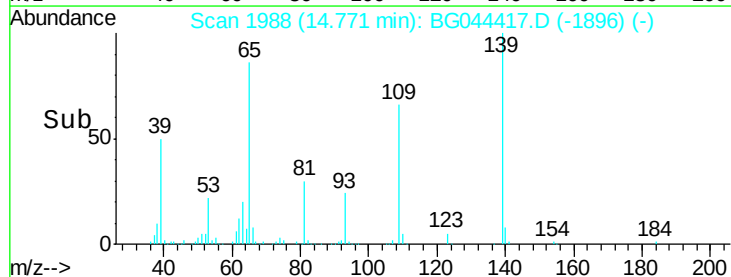
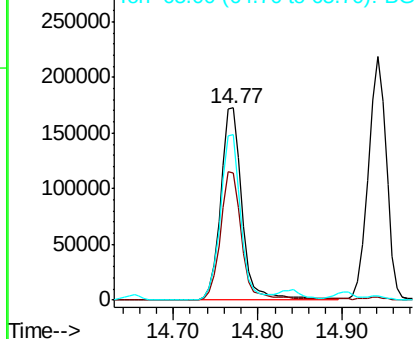


#56  
4-Nitrophenol  
Concen: 107.375 ng  
RT: 14.77 min Scan# 1988  
Delta R.T. 0.01 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

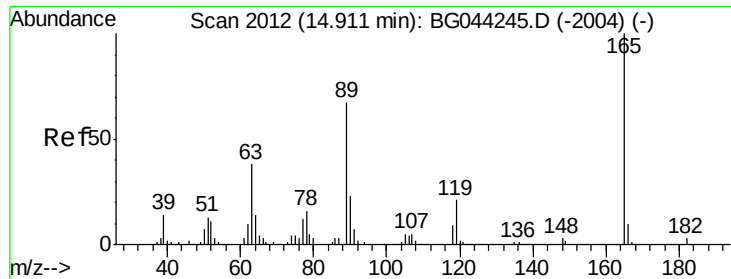
Tgt Ion:139 Resp: 306381  
Ion Ratio Lower Upper  
139 100  
109 66.4 47.5 87.5  
65 85.8 64.9 104.9



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BG0



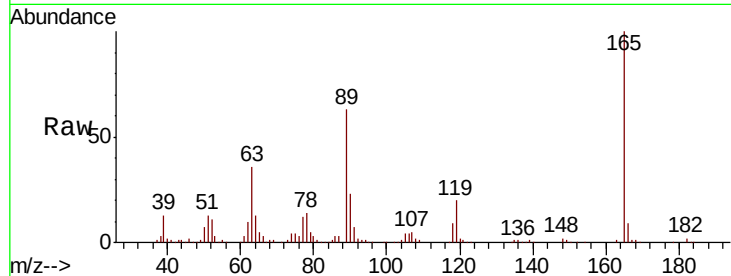




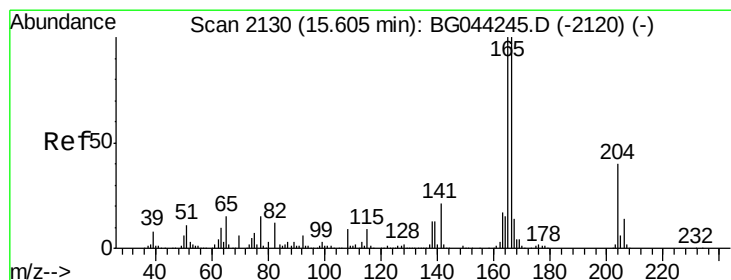
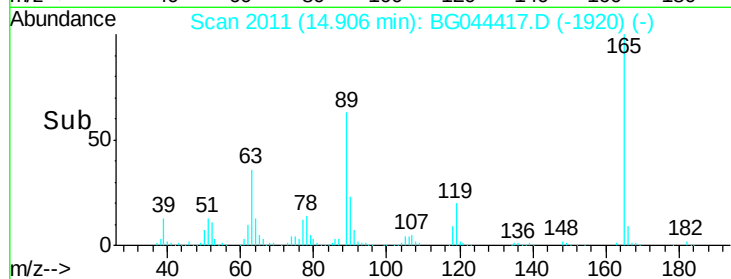
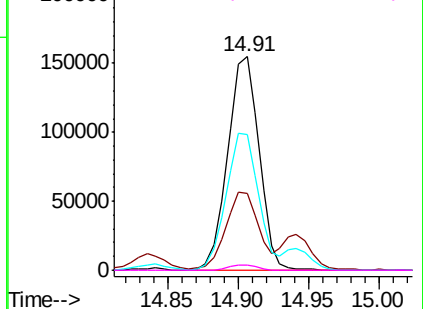
#57  
2,4-Dinitrotoluene  
Concen: 48.645 ng  
RT: 14.91 min Scan# 2011  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 240055    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 36.0  | 30.3 45.5 |
| 89          | 63.3  | 53.4 80.2 |
| 182         | 2.4   | 2.1 3.1   |

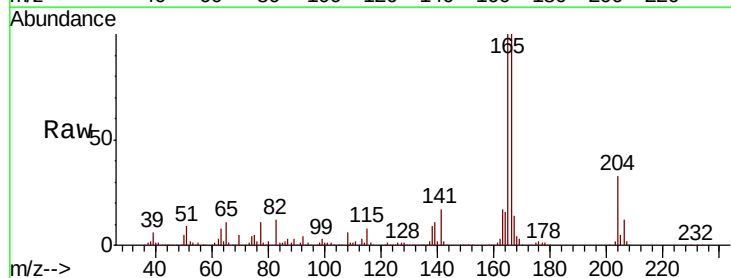


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG  
Ion 182.00 (181.70 to 182.70): E

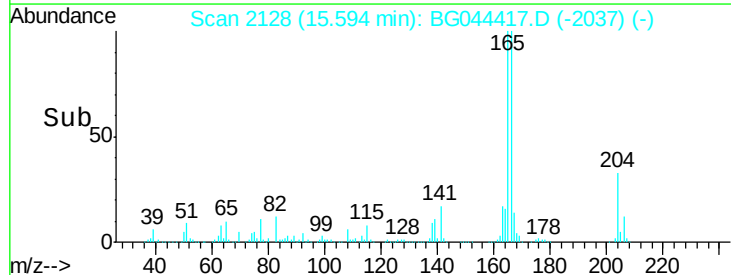
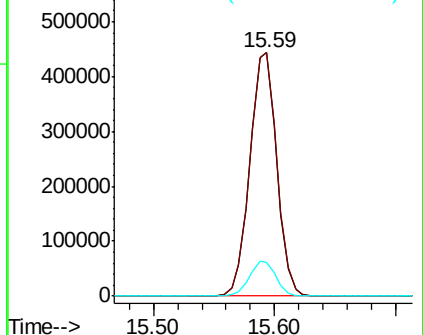


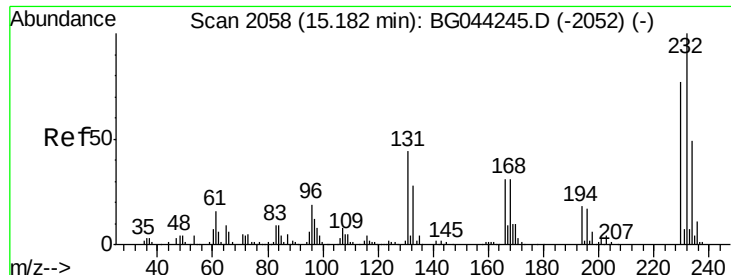
#58  
Fluorene  
Concen: 47.957 ng  
RT: 15.59 min Scan# 2128  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 685561     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 100.1 | 79.9 119.9 |
| 167         | 14.0  | 11.4 17.0  |



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.057 ng

RT: 15.18 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:232 Resp: 204000

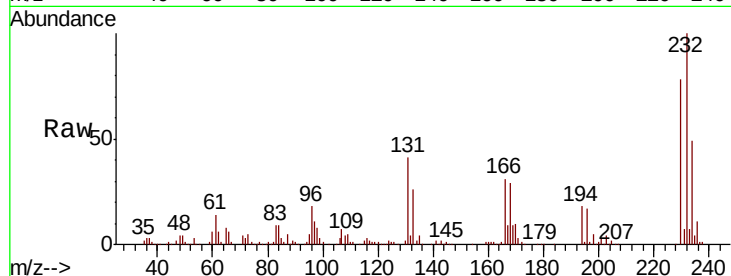
Ion Ratio Lower Upper

232 100

131 41.9 34.2 51.4

130 2.2 1.8 2.8

166 30.1 23.8 35.8

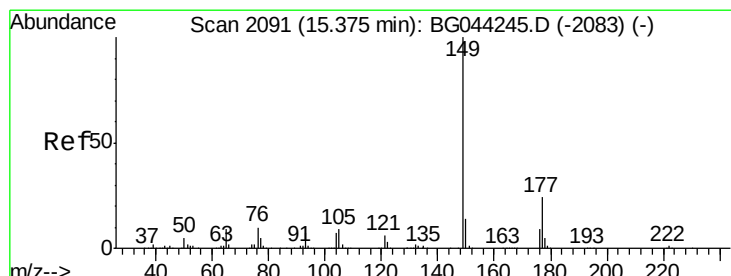
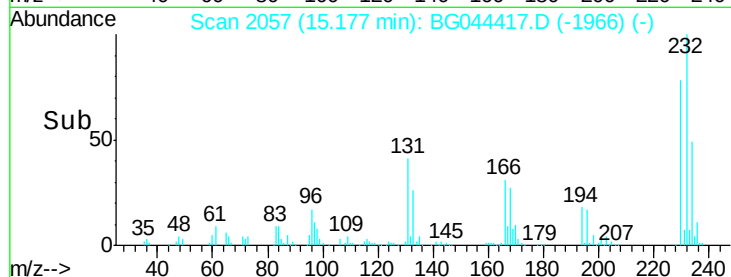
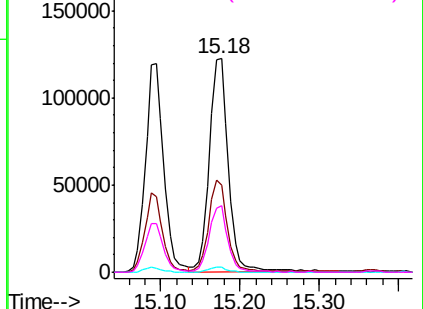


Abundance Ion 232.00 (231.70 to 232.70): E

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



#60

Diethylphthalate

Concen: 47.417 ng

RT: 15.36 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

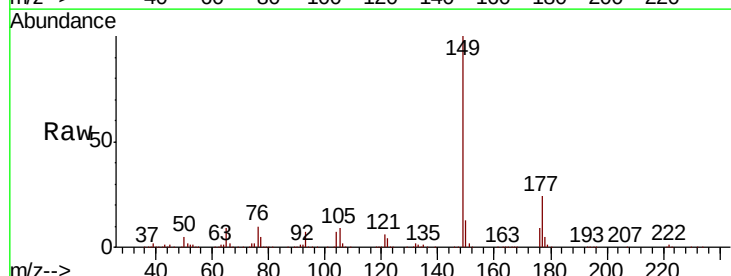
Tgt Ion:149 Resp: 746093

Ion Ratio Lower Upper

149 100

177 24.2 19.4 29.0

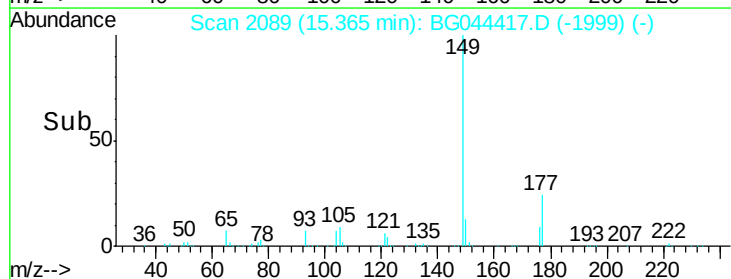
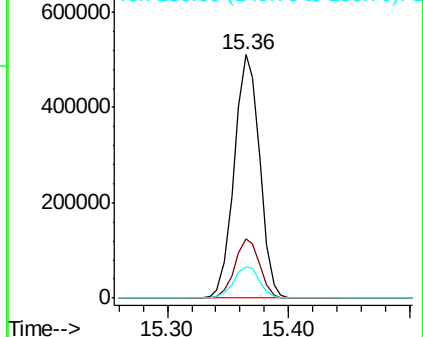
150 12.9 10.9 16.3

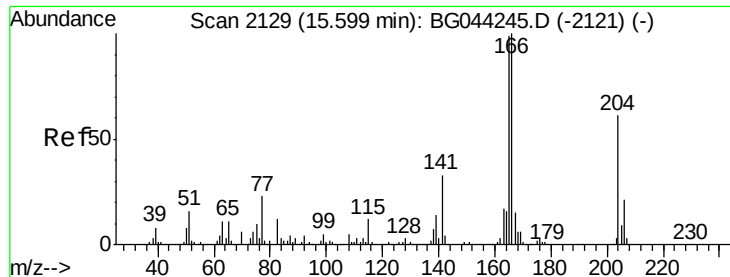


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

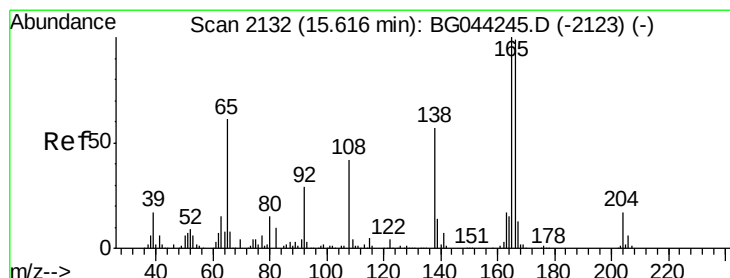
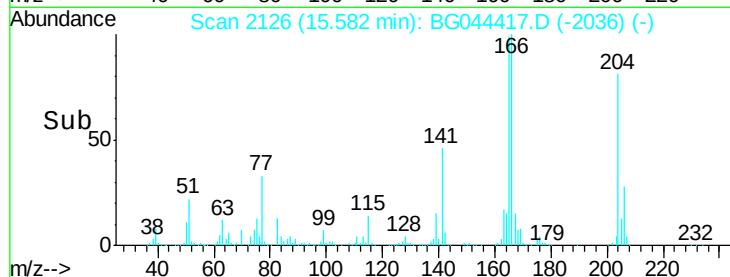
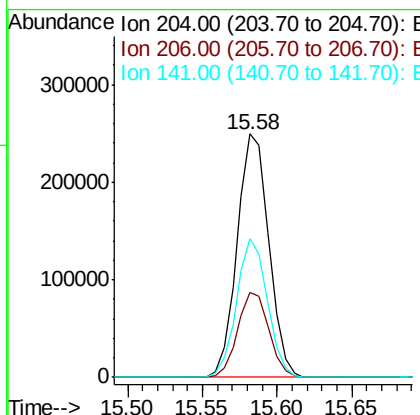
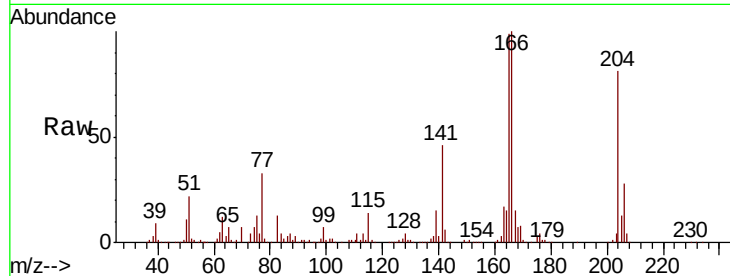




#61  
 4-Chlorophenyl-phenylether  
 Concen: 47.317 ng  
 RT: 15.58 min Scan# 2126  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

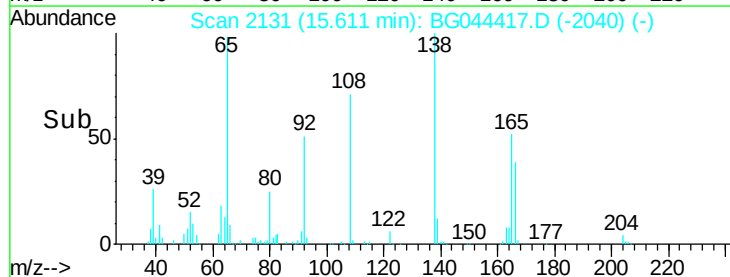
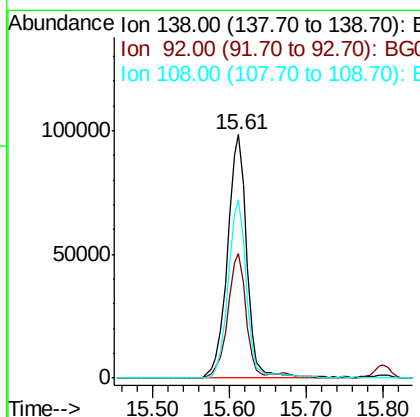
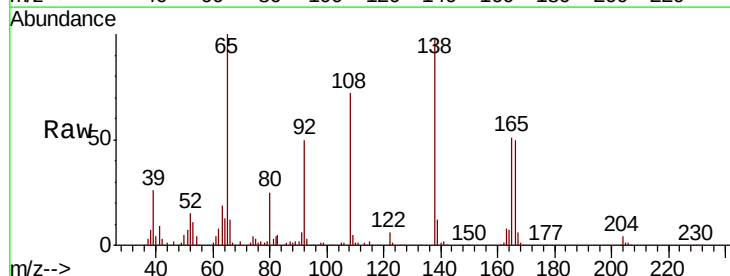
Instrument :  
 BNA\_G  
 ClientSampleId :

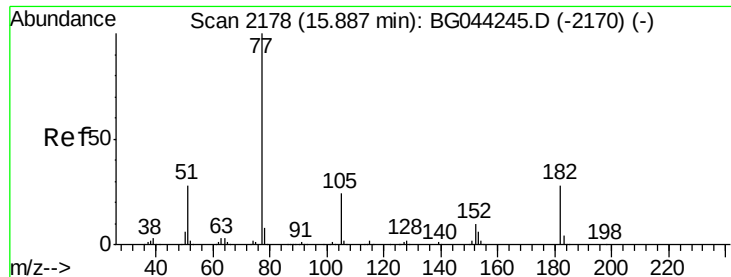
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.9  | 27.6  | 41.4  |
| 141     | 56.9  | 43.4  | 65.0  |



#62  
 4-Nitroaniline  
 Concen: 44.600 ng  
 RT: 15.61 min Scan# 2131  
 Delta R.T. 0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.9  | 31.3  | 71.3  |
| 108     | 73.0  | 52.6  | 92.6  |





#63

Azobenzene

Concen: 48.358 ng

RT: 15.88 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 666887

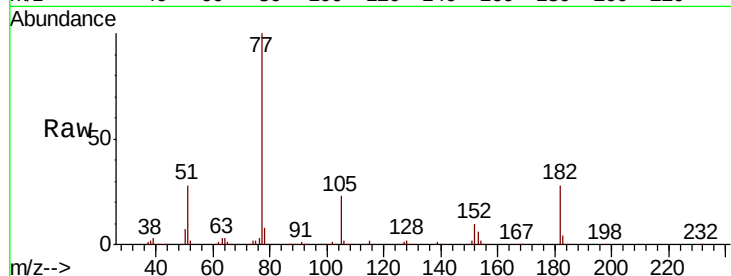
Ion Ratio Lower Upper

77 100

182 28.1 8.2 48.2

105 23.0 3.6 43.6

51 28.3 8.3 48.3

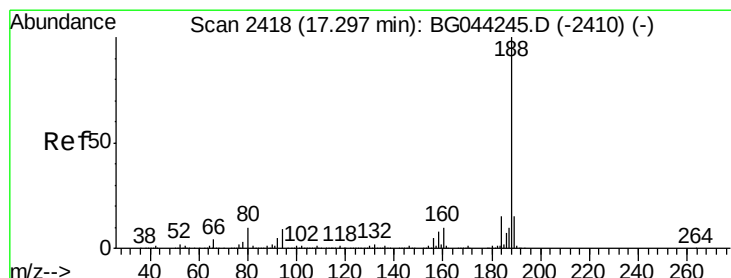
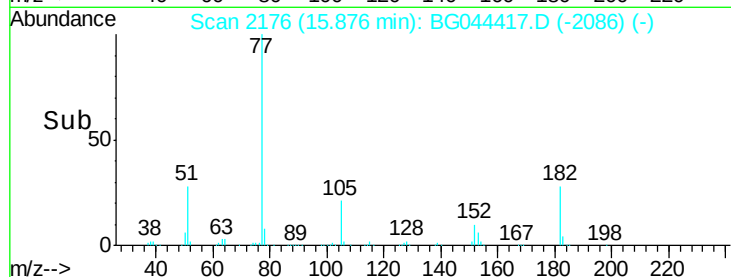
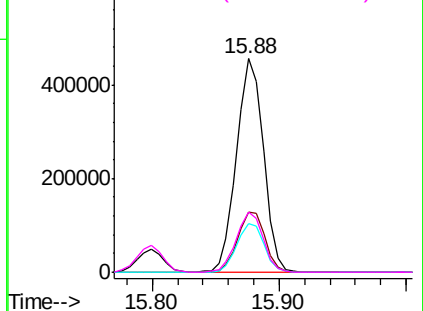


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

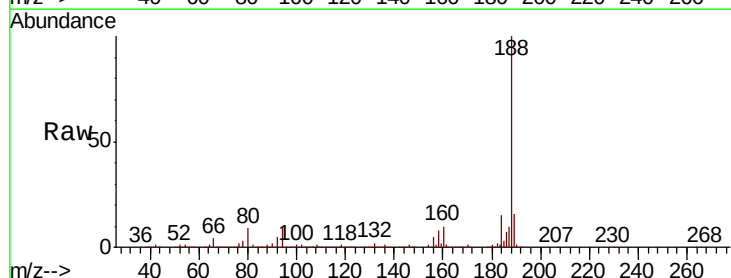
Tgt Ion: 188 Resp: 487117

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

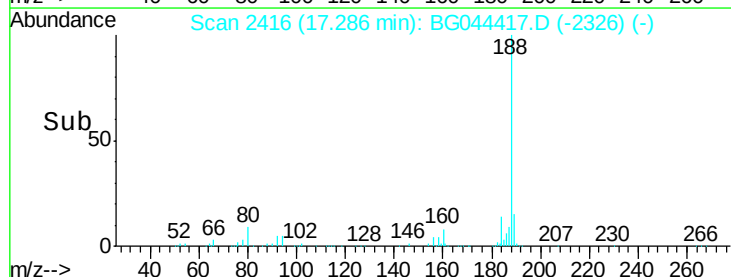
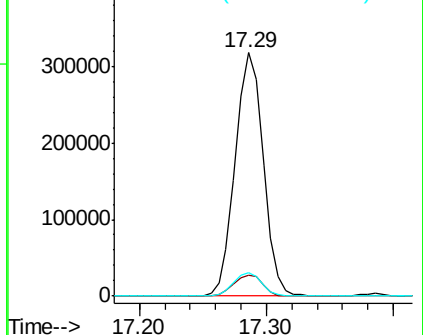
80 9.4 7.7 11.5

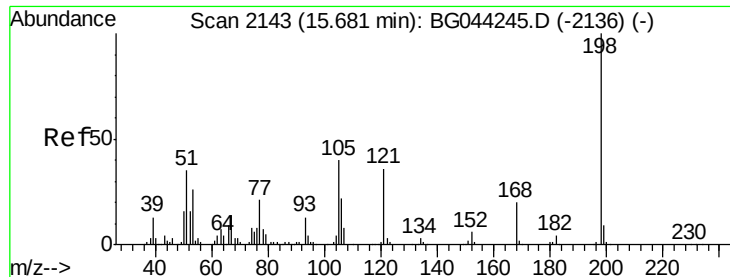


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 51.652 ng

RT: 15.67 min Scan# 2141

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampled :

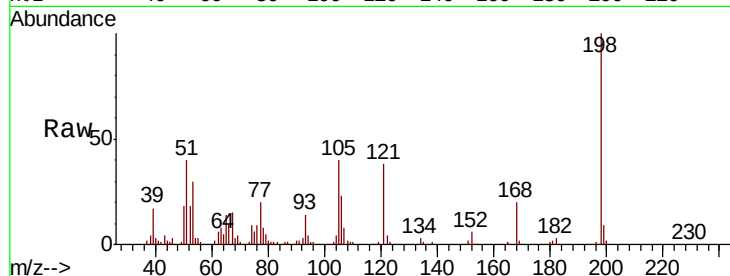
Tot Ion:198 Resp: 138887

Ion Ratio Lower Upper

198 100

51 40.1 16.6 56.6

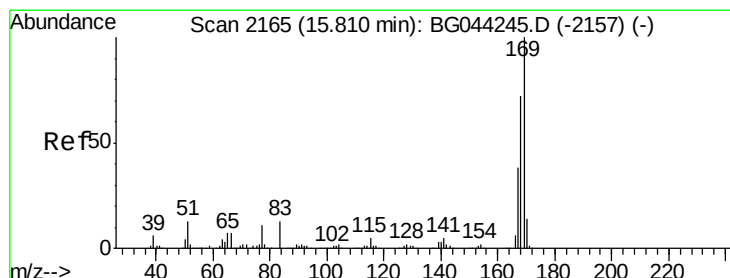
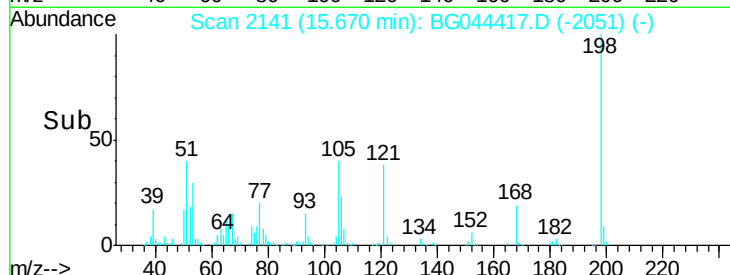
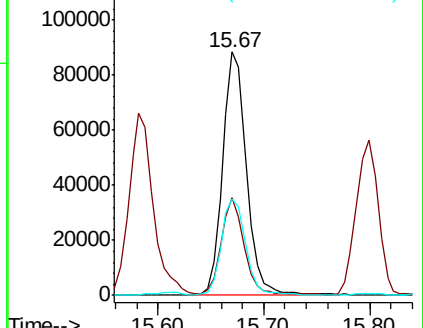
105 39.8 20.6 60.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.711 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

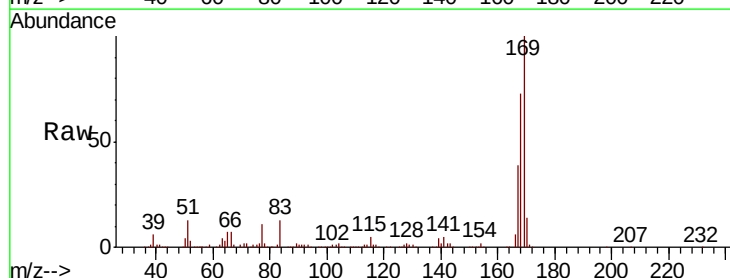
Tgt Ion:169 Resp: 651308

Ion Ratio Lower Upper

169 100

168 73.2 57.9 86.9

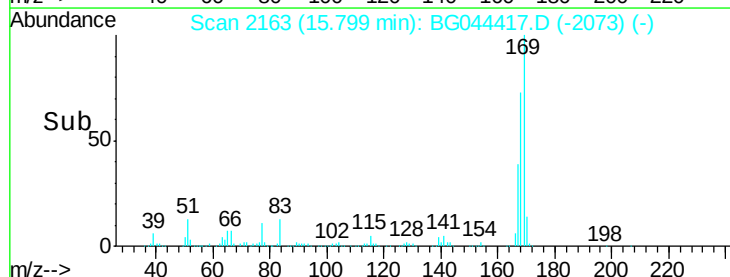
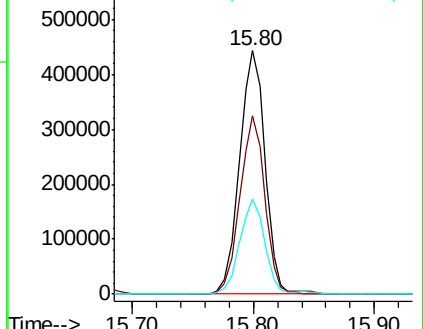
167 39.0 30.7 46.1

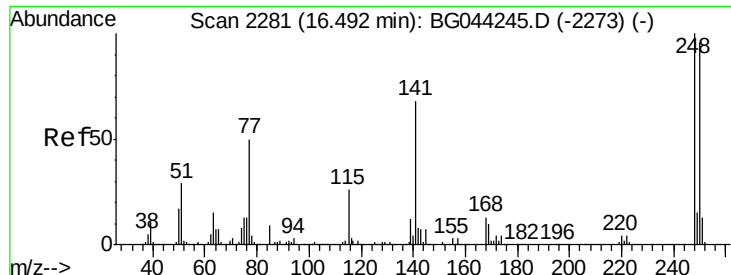


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

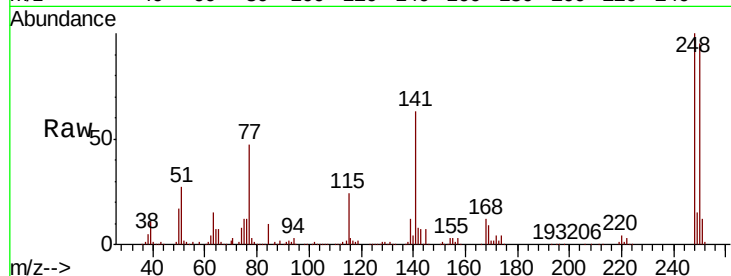




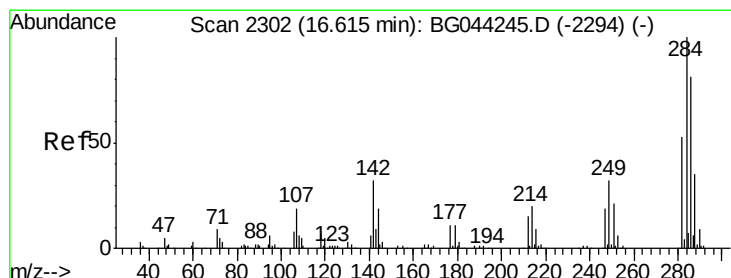
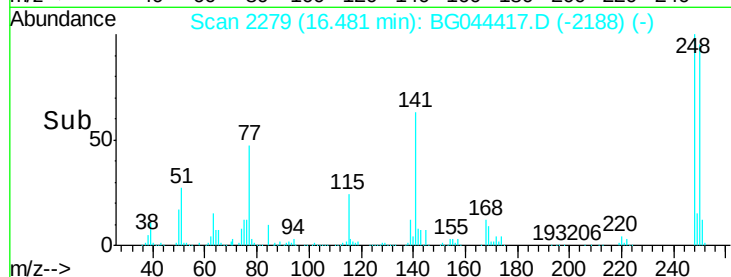
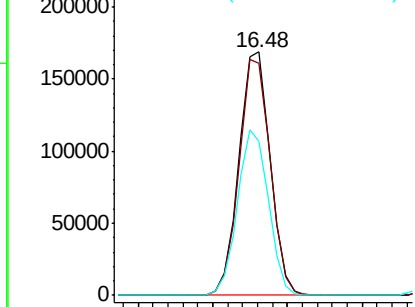
#67  
4-Bromophenyl-phenylether  
Concen: 46.074 ng  
RT: 16.48 min Scan# 2279  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 244519  
Ion Ratio Lower Upper  
248 100  
250 95.5 76.6 114.8  
141 63.2 54.7 82.1

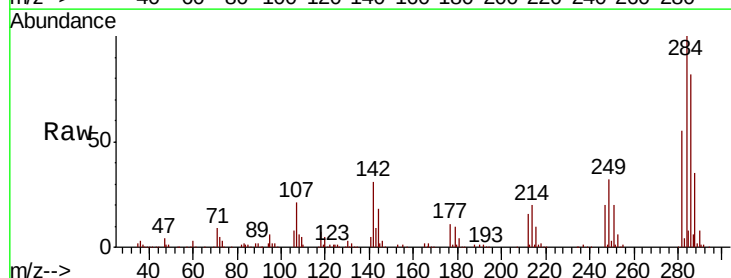


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

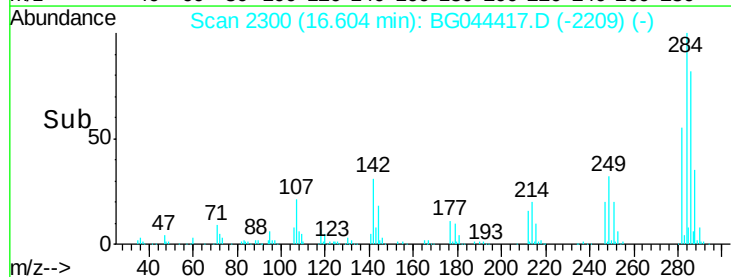
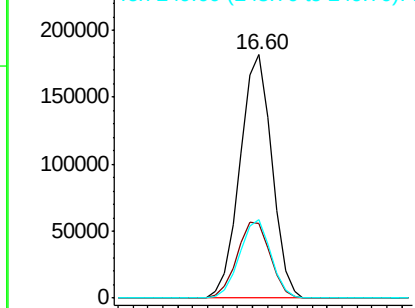


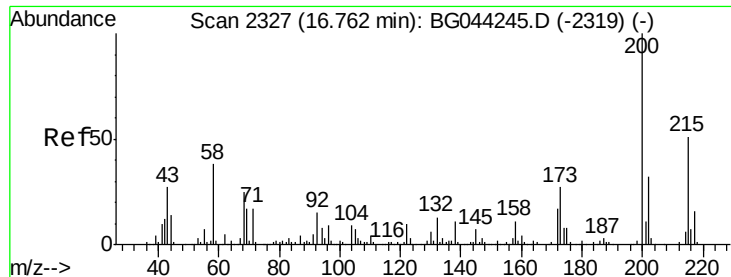
#68  
Hexachlorobenzene  
Concen: 45.273 ng  
RT: 16.60 min Scan# 2300  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:284 Resp: 269182  
Ion Ratio Lower Upper  
284 100  
142 30.9 25.3 37.9  
249 32.0 25.5 38.3



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





#69

Atrazine

Concen: 53.353 ng

RT: 16.75 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampled :

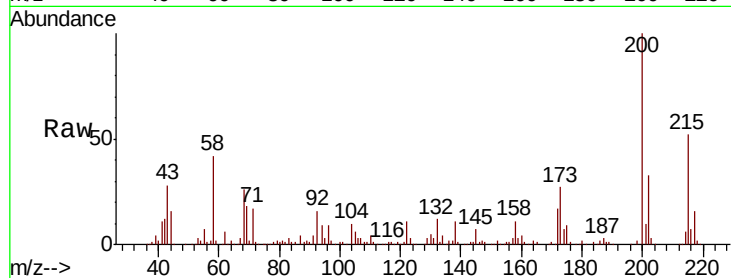
Tot Ion:200 Resp: 249639

Ion Ratio Lower Upper

200 100

173 26.5 6.6 46.6

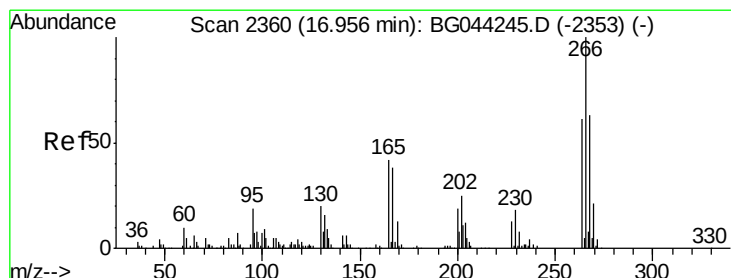
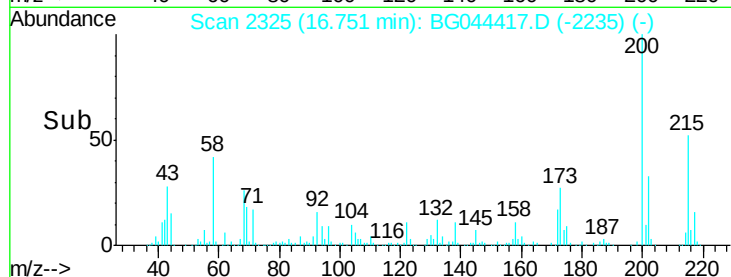
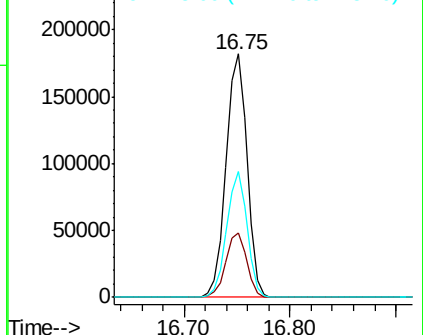
215 51.5 31.0 71.0



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



#70

Pentachlorophenol

Concen: 90.353 ng

RT: 16.95 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

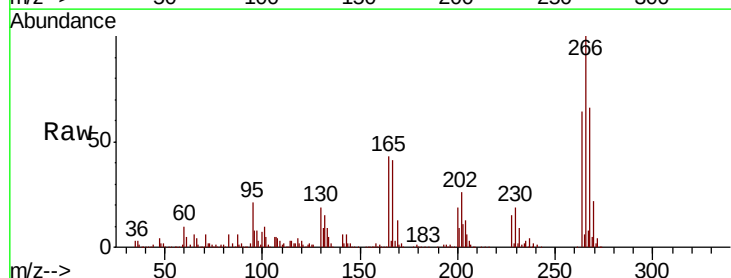
Tgt Ion:266 Resp: 272933

Ion Ratio Lower Upper

266 100

268 65.9 50.6 75.8

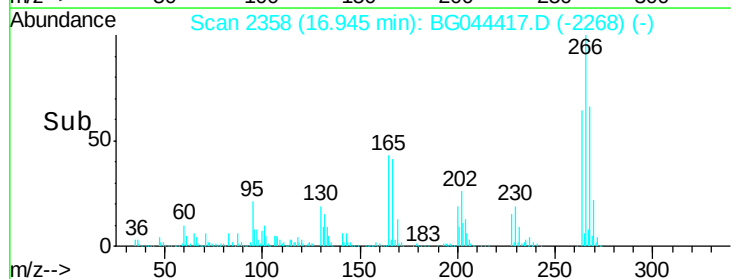
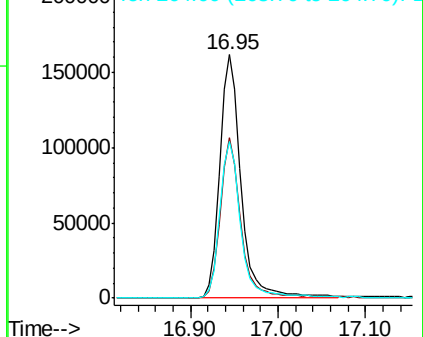
264 64.2 48.7 73.1

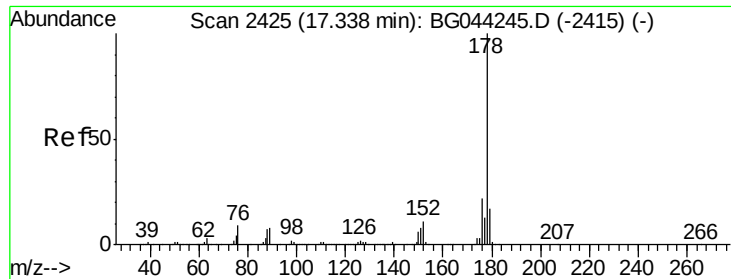


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

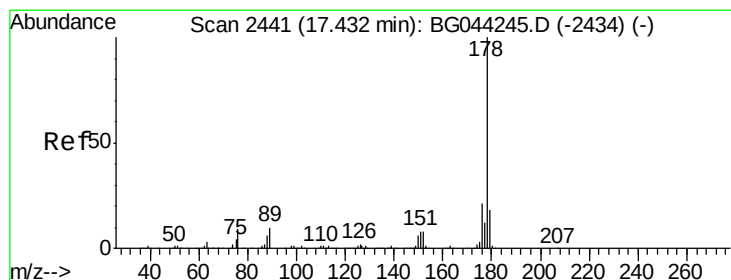
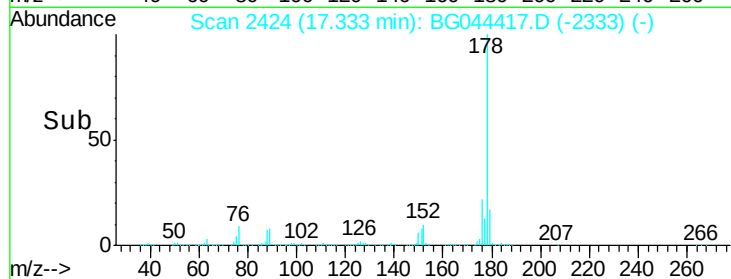
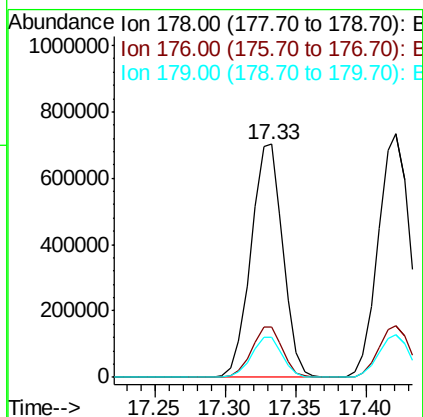
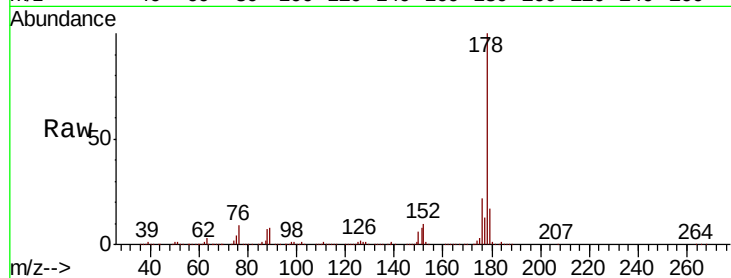




#71  
Phenanthrene  
Concen: 47.262 ng  
RT: 17.33 min Scan# 2424  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

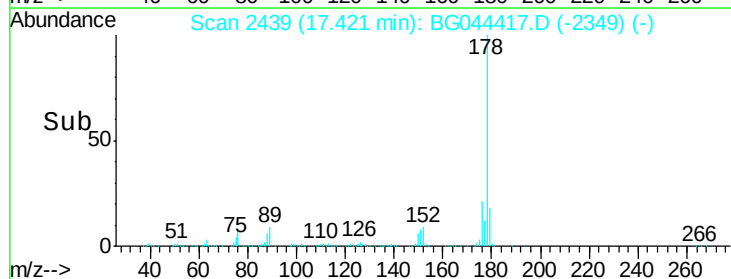
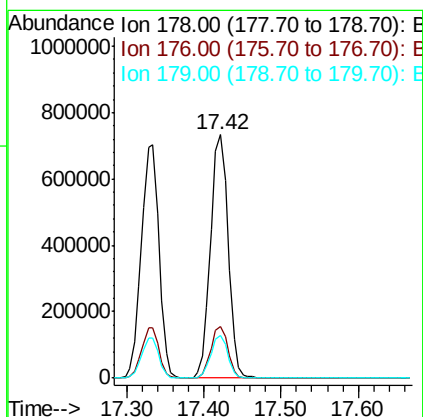
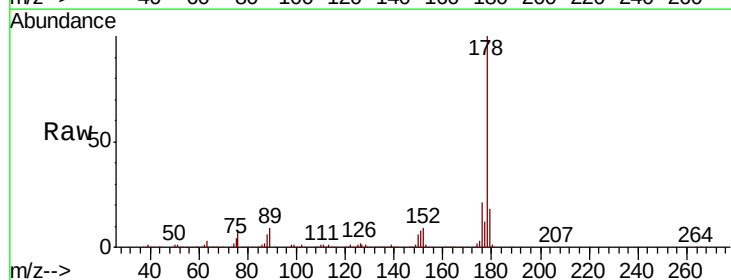
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:178 Resp: 1114813  
Ion Ratio Lower Upper  
178 100  
176 21.5 17.7 26.5  
179 17.2 13.7 20.5

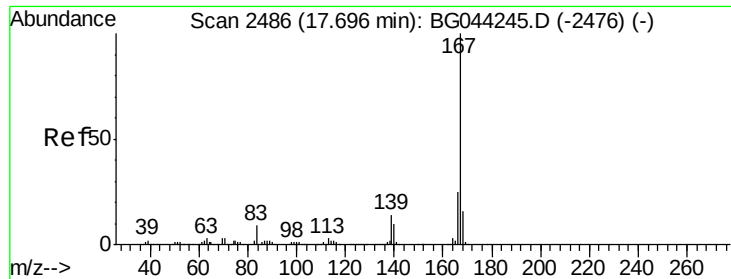


#72  
Anthracene  
Concen: 49.329 ng  
RT: 17.42 min Scan# 2439  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:178 Resp: 1150369  
Ion Ratio Lower Upper  
178 100  
176 21.3 17.0 25.4  
179 17.6 14.4 21.6







#73

Carbazole

Concen: 48.083 ng

RT: 17.69 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

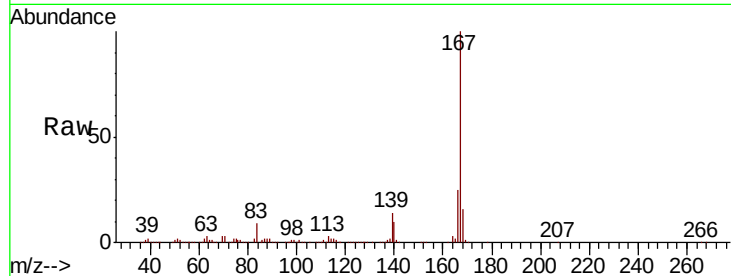
Tot Ion:167 Resp: 1033728

Ion Ratio Lower Upper

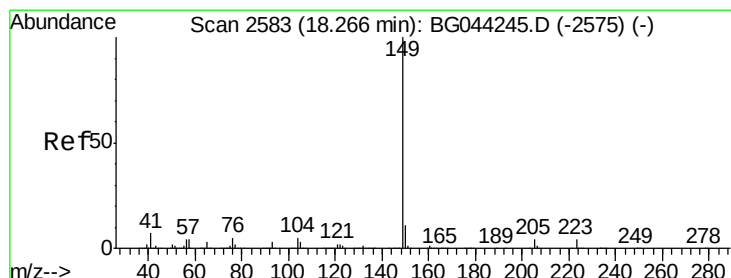
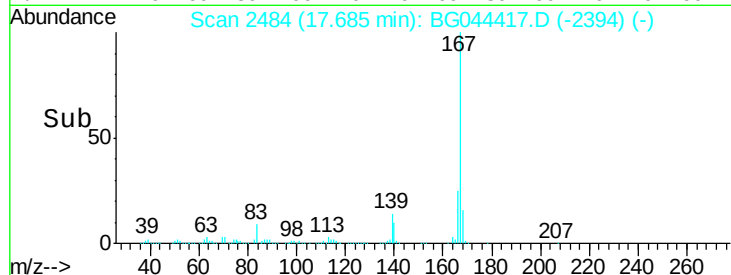
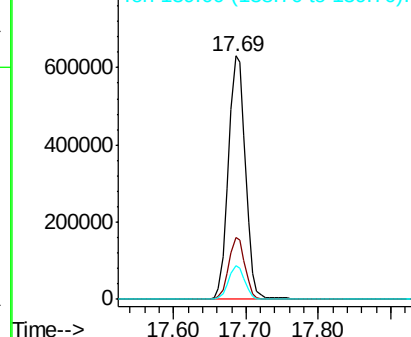
167 100

166 25.3 19.8 29.6

139 13.9 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 47.647 ng

RT: 18.26 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

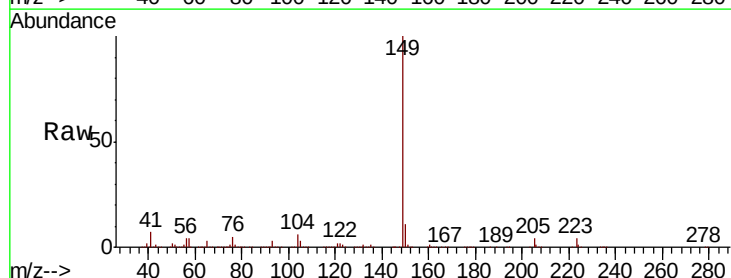
Tgt Ion:149 Resp: 1265850

Ion Ratio Lower Upper

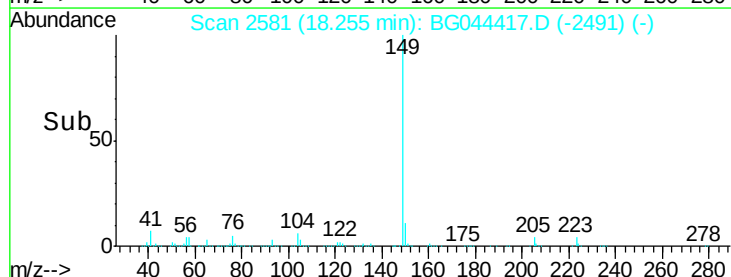
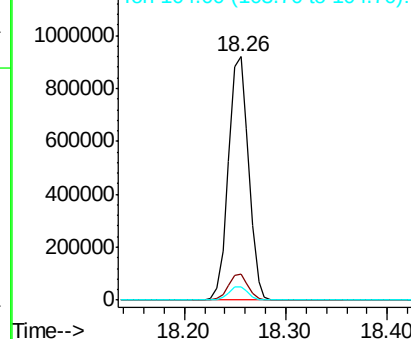
149 100

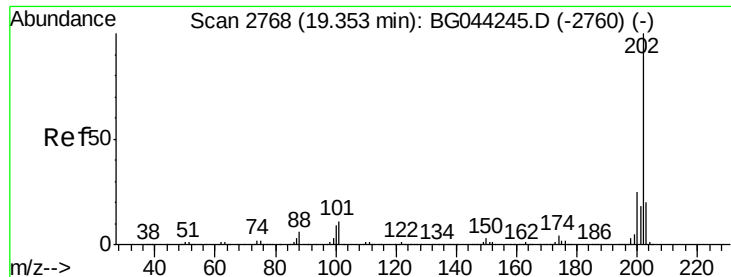
150 10.9 8.7 13.1

104 5.5 4.3 6.5



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





#75

Fluoranthene

Concen: 47.882 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

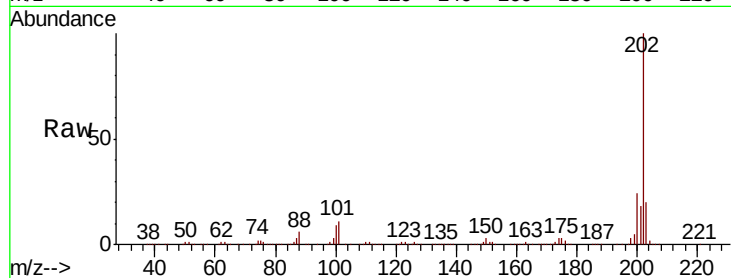
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:202 Resp: 1306540

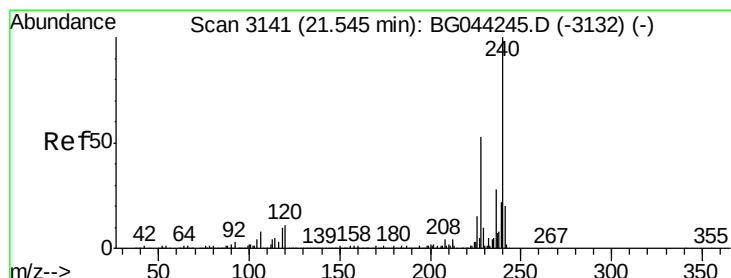
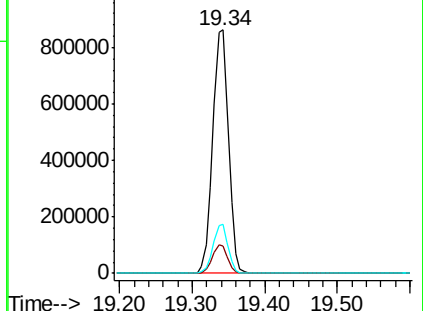
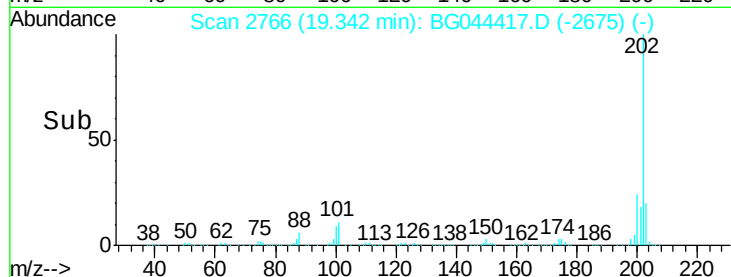
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.1  | 0.0   | 31.3  |
| 203 | 19.9  | 0.0   | 39.9  |



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

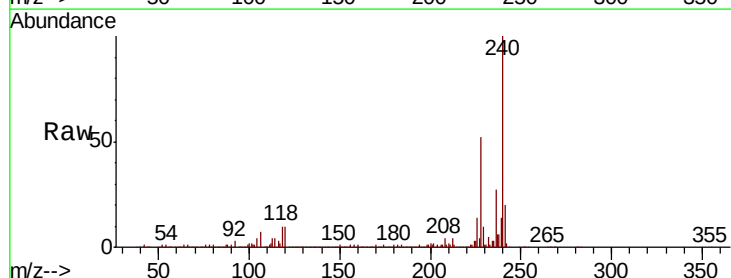
Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Tgt Ion:240 Resp: 454953

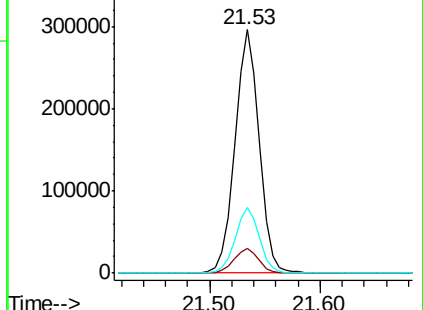
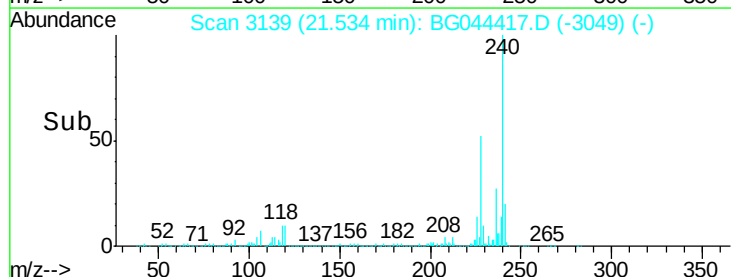
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.0  | 8.4   | 12.6  |
| 236 | 26.8  | 22.1  | 33.1  |

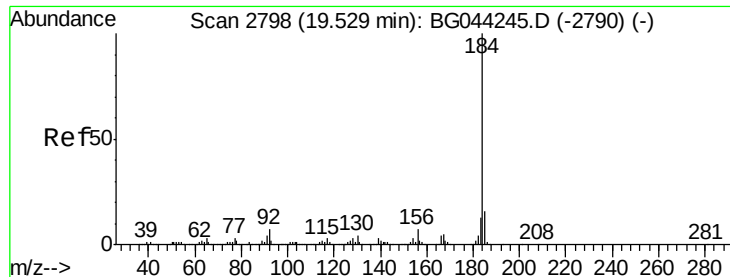


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 47.996 ng

RT: 19.52 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampled :

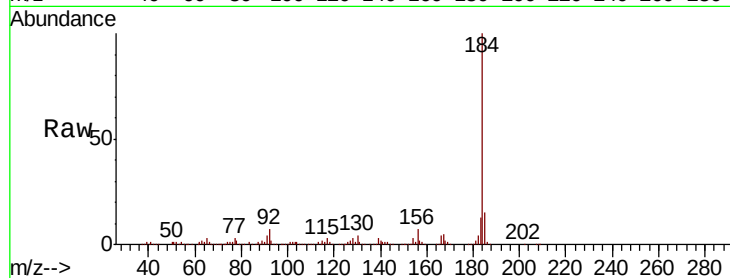
Tot Ion:184 Resp: 605676

Ion Ratio Lower Upper

184 100

185 14.8 12.9 19.3

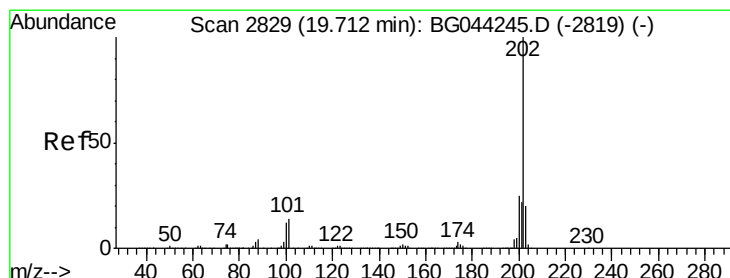
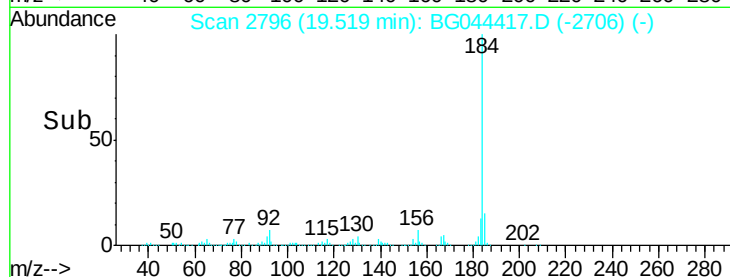
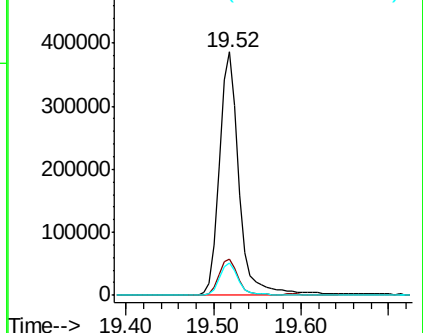
183 13.4 10.8 16.2



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



#78

Pyrene

Concen: 44.945 ng

RT: 19.70 min Scan# 2827

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

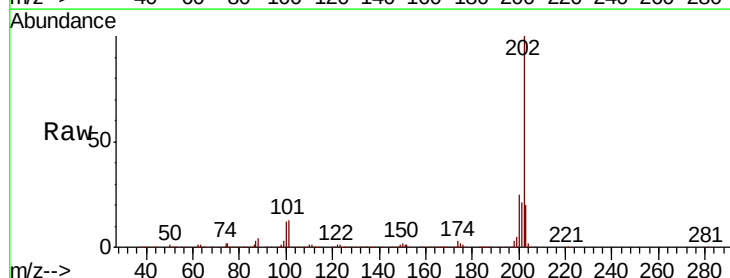
Tgt Ion:202 Resp: 1313162

Ion Ratio Lower Upper

202 100

200 24.8 20.0 30.0

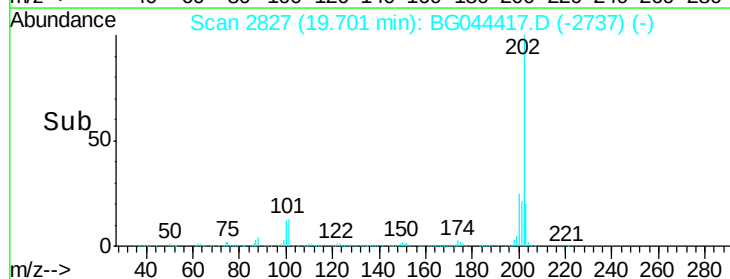
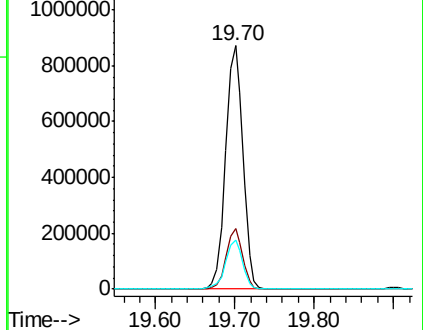
203 20.3 16.2 24.2

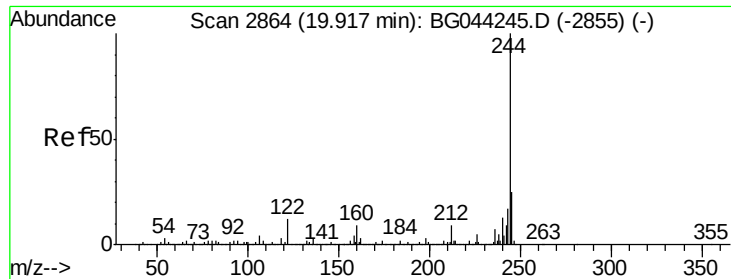


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



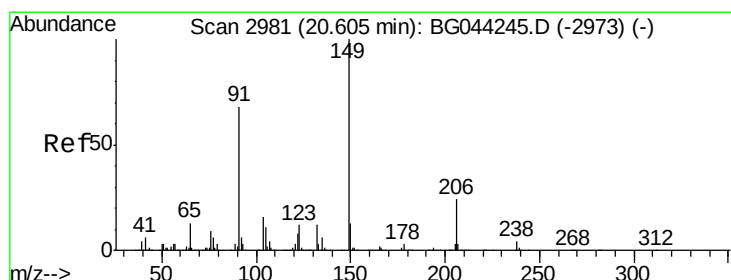
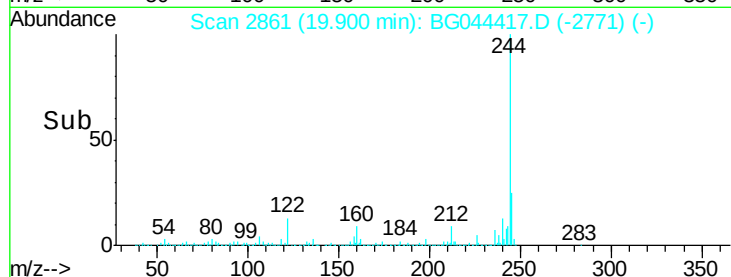
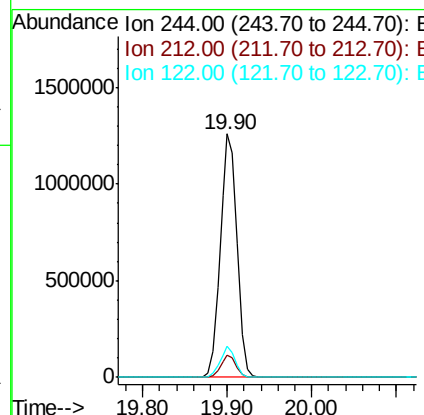
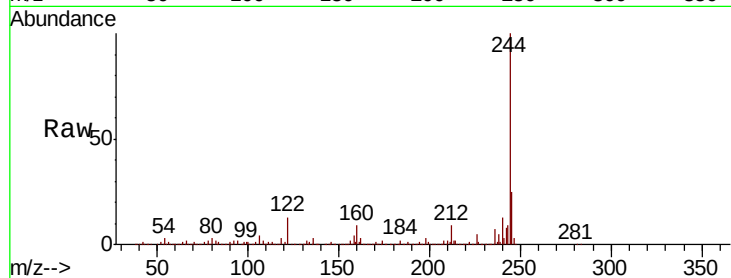


#79  
 Terphenyl-d14  
 Concen: 79.533 ng  
 RT: 19.90 min Scan# 2861  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 1759162  

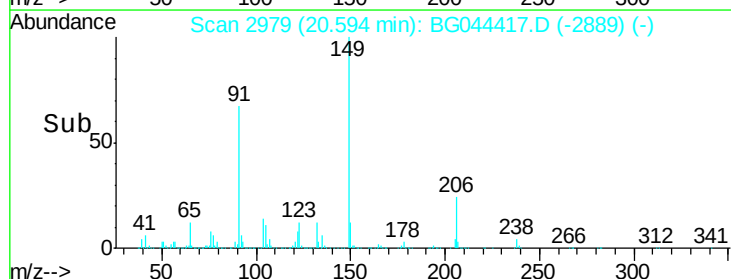
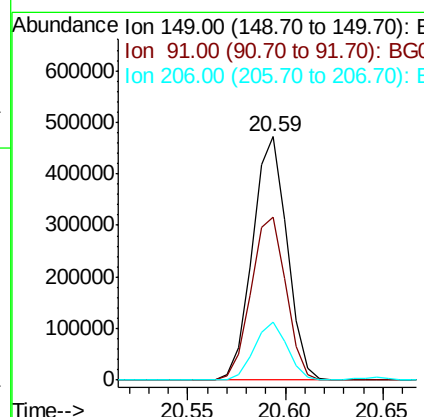
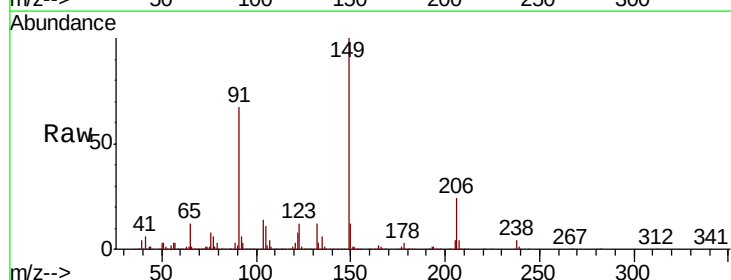
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 7.4   | 11.2  |
| 122 | 12.6  | 9.8   | 14.6  |

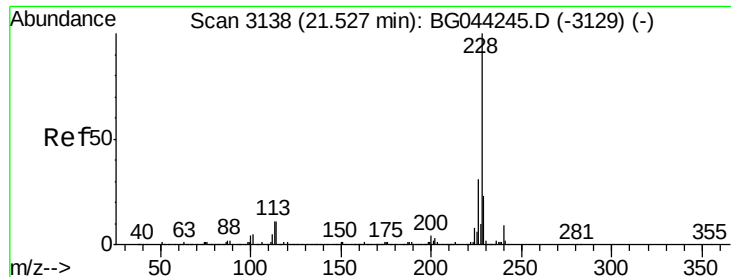


#80  
 Butylbenzylphthalate  
 Concen: 43.359 ng  
 RT: 20.59 min Scan# 2979  
 Delta R.T. -0.00 min  
 Lab File: BG044417.D  
 Acq: 12 Feb 2020 20:27

Tgt Ion:149 Resp: 577307  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 67.0  | 54.5  | 81.7  |
| 206 | 23.8  | 19.1  | 28.7  |

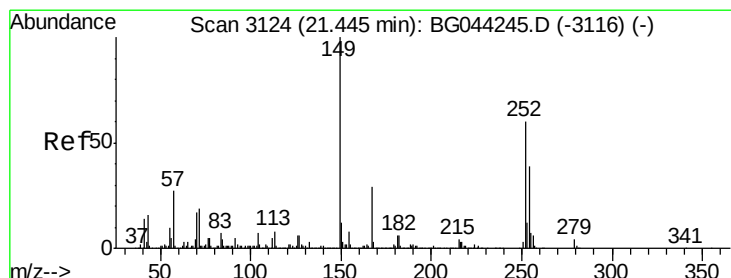
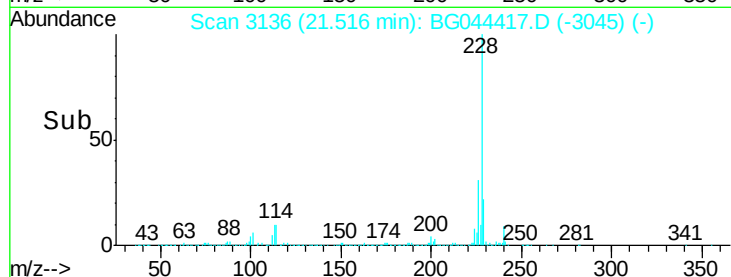
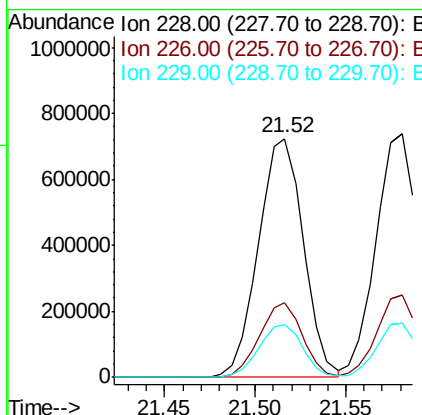
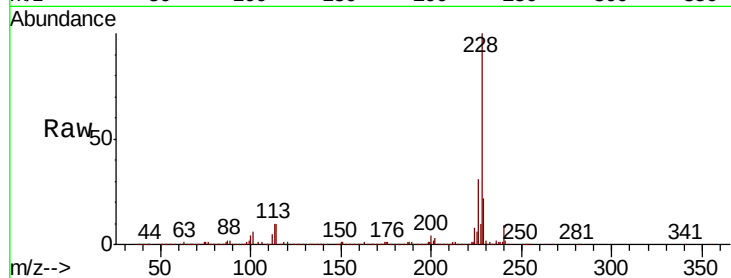




#81  
Benzo(a)anthracene  
Concen: 44.660 ng  
RT: 21.52 min Scan# 3136  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

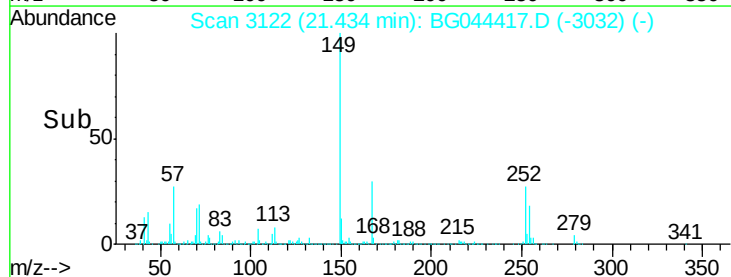
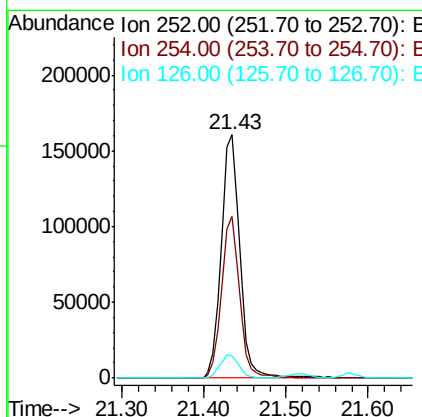
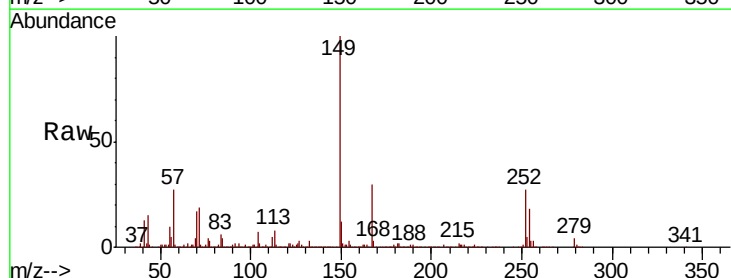
Instrument :  
BNA\_G  
ClientSampleId :

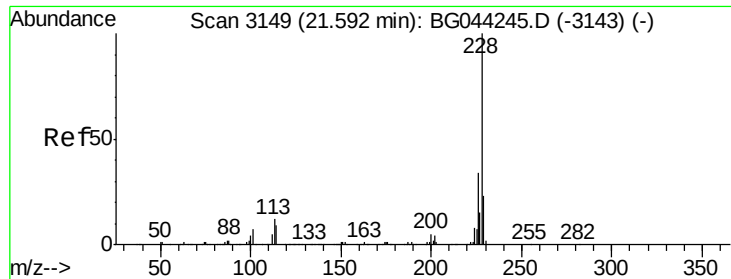
Tot Ion:228 Resp: 1252226  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.7 37.1  
229 22.2 18.2 27.4



#82  
3,3'-Dichlorobenzidine  
Concen: 23.553 ng  
RT: 21.43 min Scan# 3122  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:252 Resp: 256315  
Ion Ratio Lower Upper  
252 100  
254 66.6 52.6 78.8  
126 9.3 8.2 12.4





#83

Chrysene

Concen: 44.154 ng

RT: 21.58 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

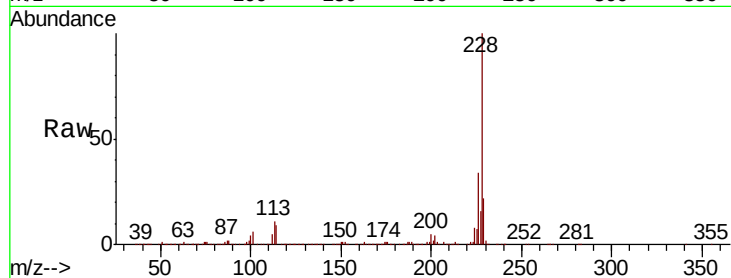
Tot Ion:228 Resp: 1196675

Ion Ratio Lower Upper

228 100

226 33.9 27.1 40.7

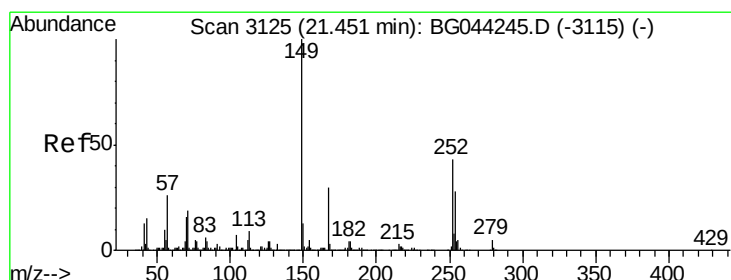
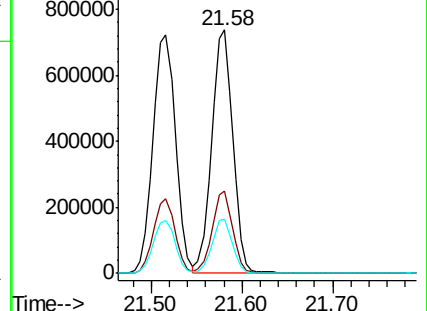
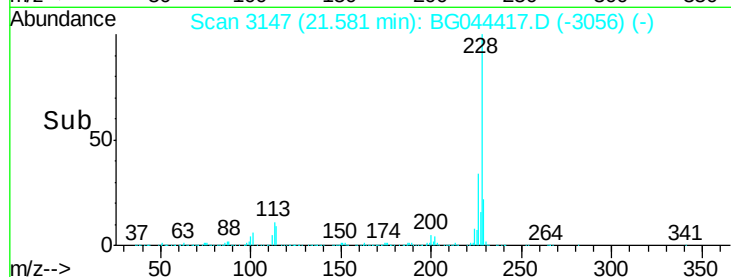
229 22.4 17.9 26.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.468 ng

RT: 21.43 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

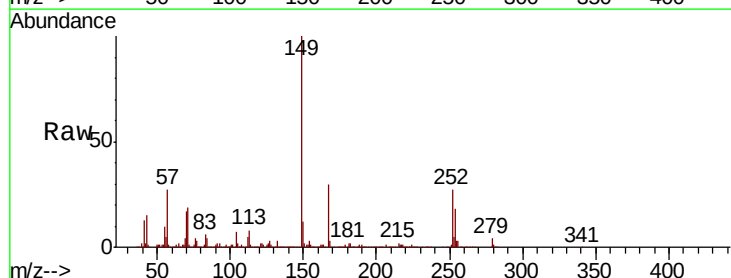
Tgt Ion:149 Resp: 814933

Ion Ratio Lower Upper

149 100

167 29.7 24.0 36.0

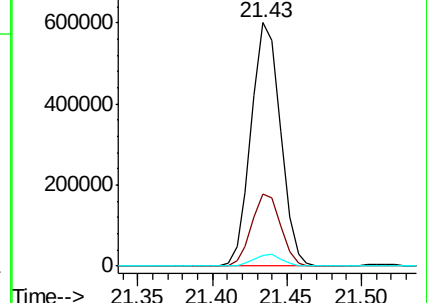
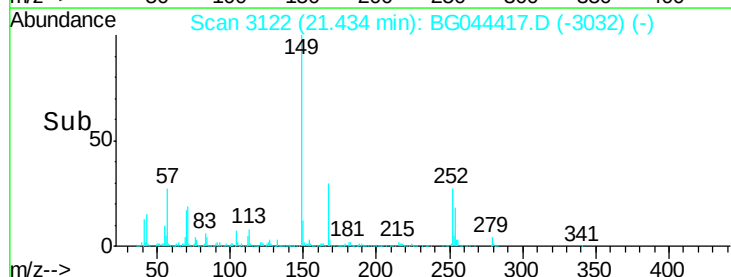
279 4.5 3.8 5.8

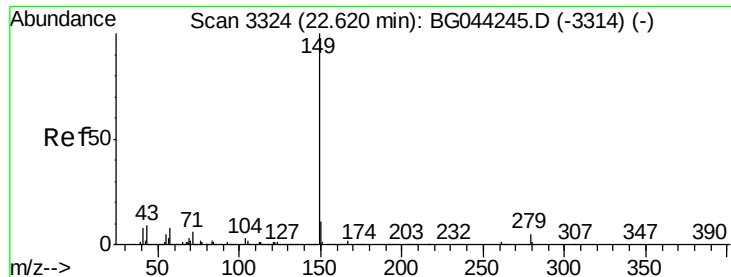


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.984 ng

RT: 22.60 min Scan# 3321

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampled :

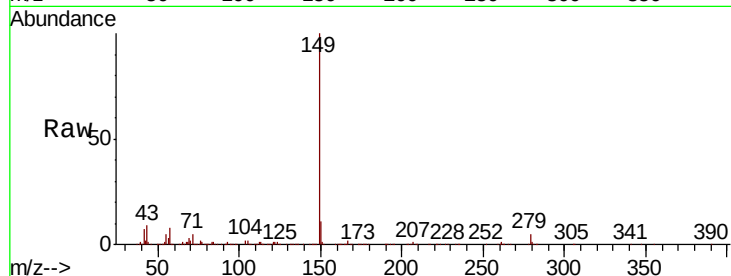
Tot Ion:149 Resp: 1426387

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

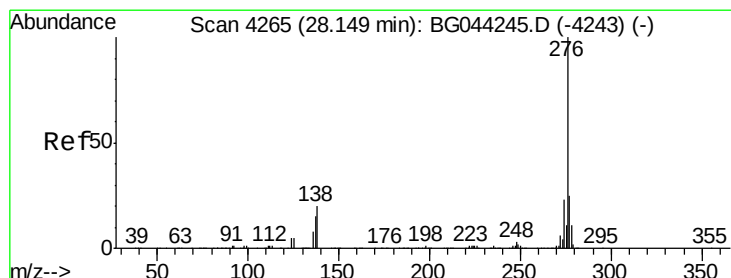
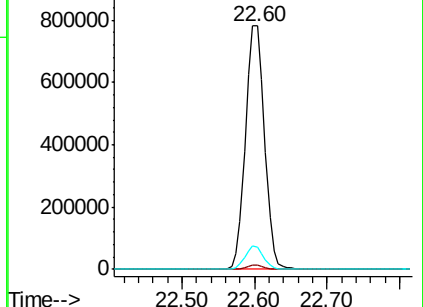
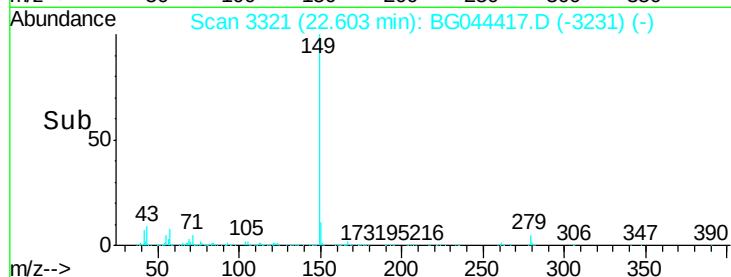
43 9.1 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.033 ng

RT: 28.12 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

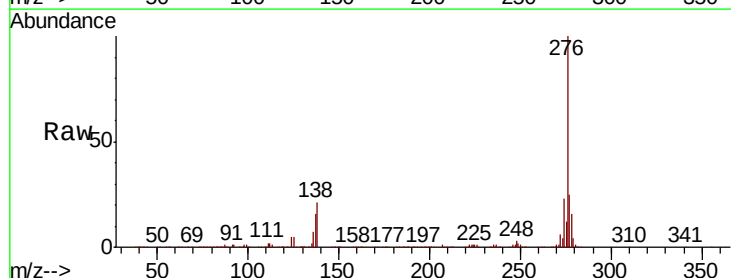
Tgt Ion:276 Resp: 1556983

Ion Ratio Lower Upper

276 100

138 24.3 19.4 29.0

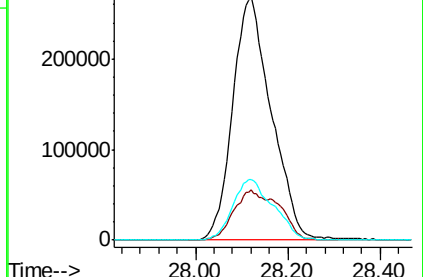
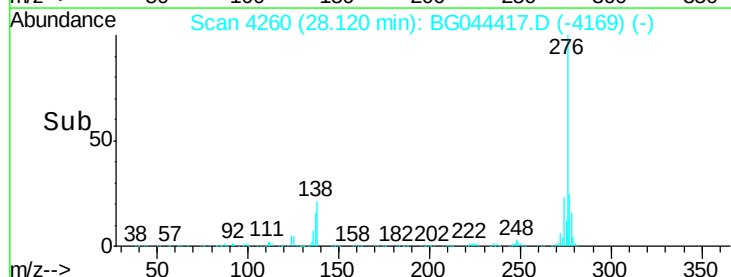
277 26.2 21.0 31.6

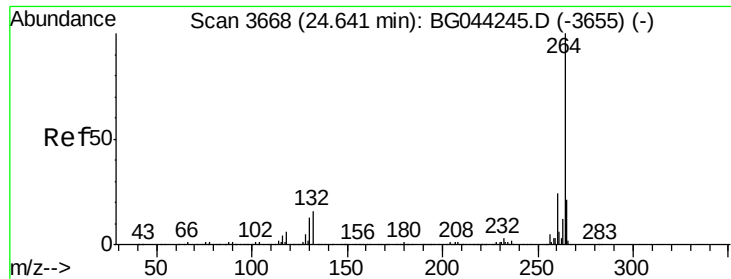


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.62 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

Instrument :

BNA\_G

ClientSampleId :

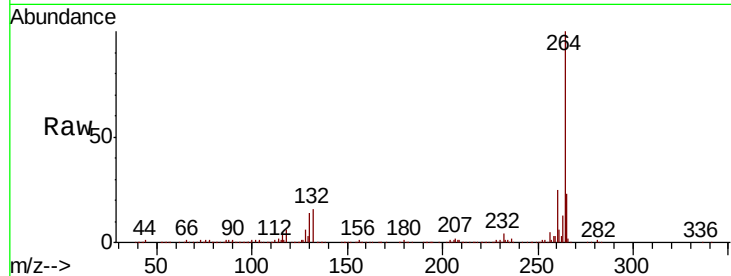
Tot Ion:264 Resp: 480735

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

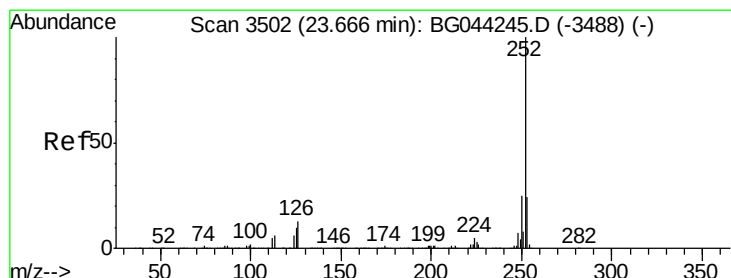
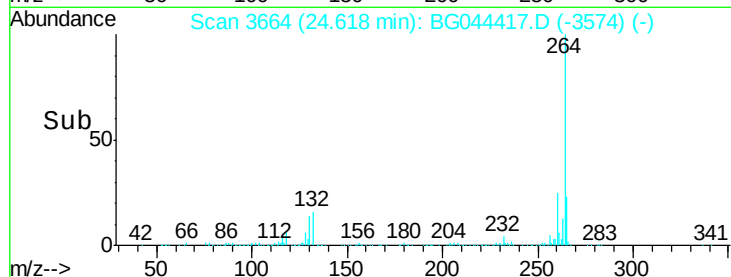
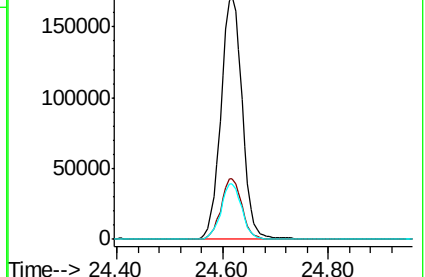
265 22.5 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 48.262 ng

RT: 23.64 min Scan# 3498

Delta R.T. -0.00 min

Lab File: BG044417.D

Acq: 12 Feb 2020 20:27

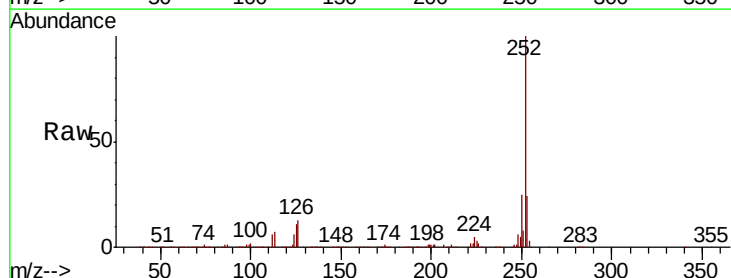
Tgt Ion:252 Resp: 1336930

Ion Ratio Lower Upper

252 100

253 23.8 19.2 28.8

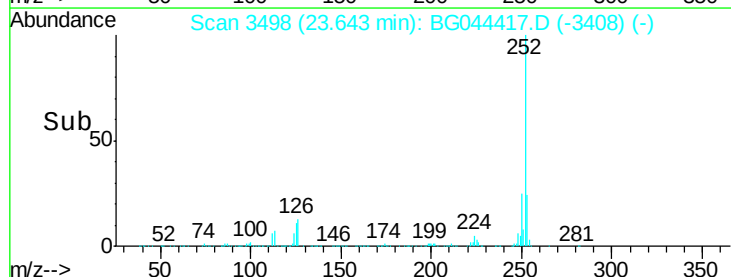
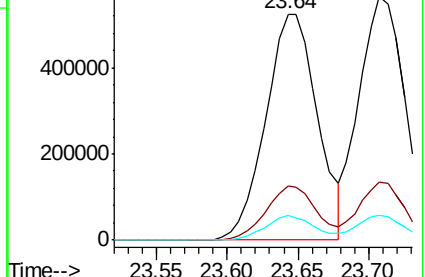
125 10.9 8.4 12.6



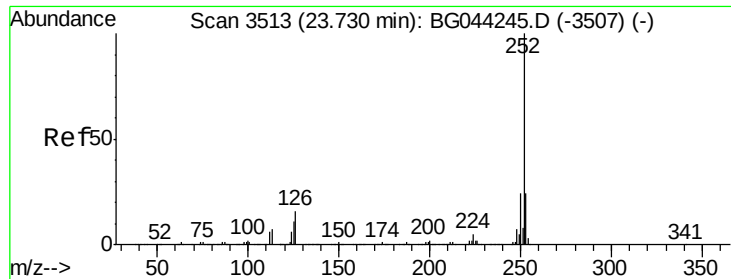
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



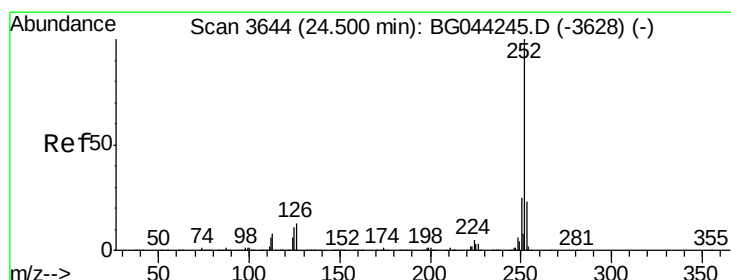
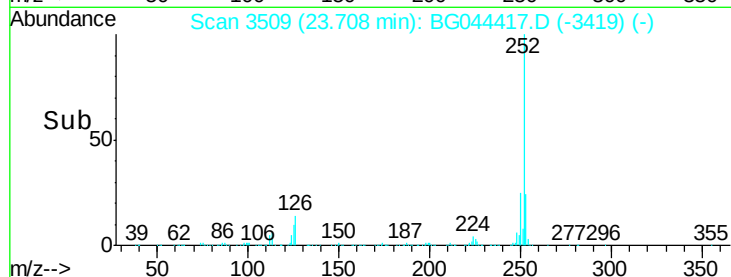
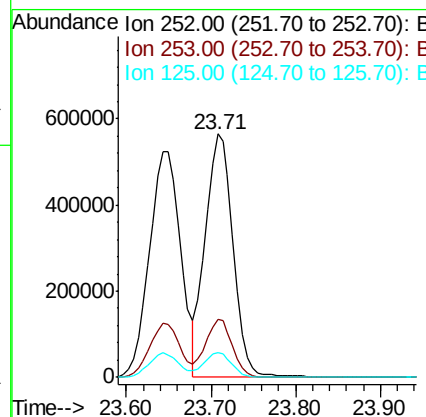
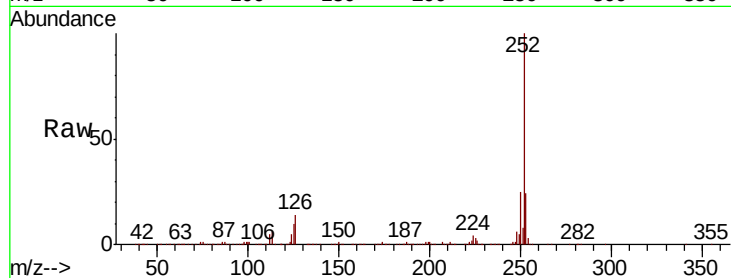




#89  
Benzo(k)fluoranthene  
Concen: 47.773 ng  
RT: 23.71 min Scan# 3509  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

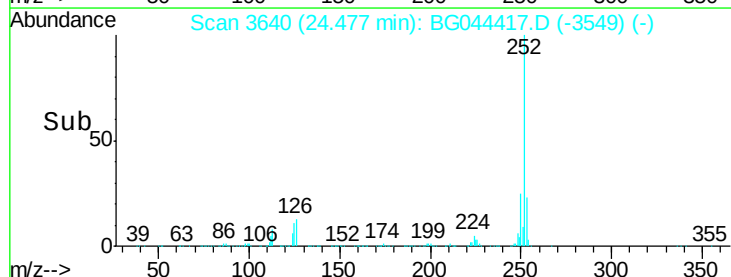
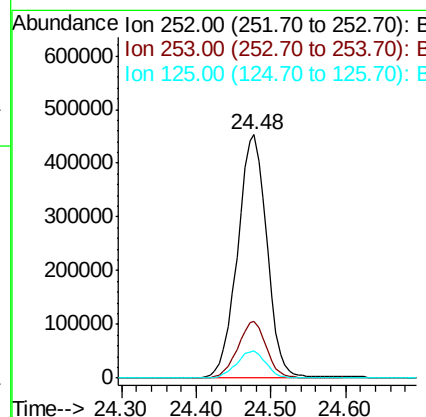
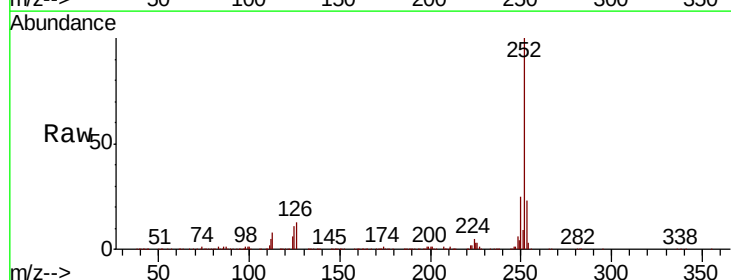
Instrument :  
BNA\_G  
ClientSampleId :

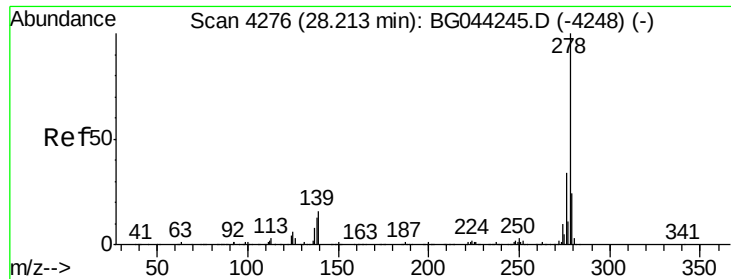
Tot Ion:252 Resp: 1289830  
Ion Ratio Lower Upper  
252 100  
253 23.6 19.1 28.7  
125 10.0 8.6 12.8



#90  
Benzo(a)pyrene  
Concen: 47.216 ng  
RT: 24.48 min Scan# 3640  
Delta R.T. 0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:252 Resp: 1236660  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.1 27.1  
125 11.2 8.6 13.0



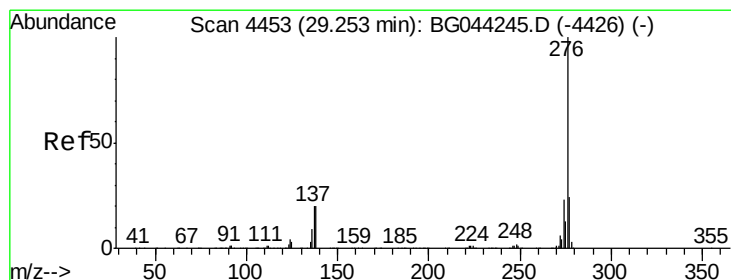
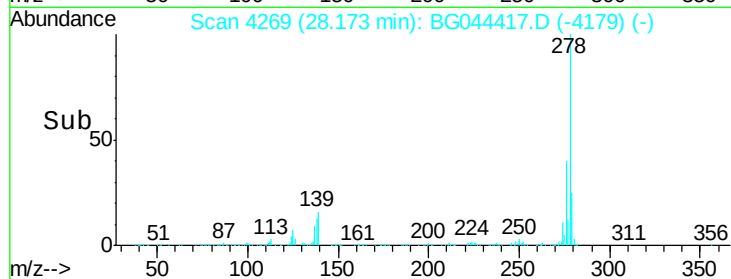
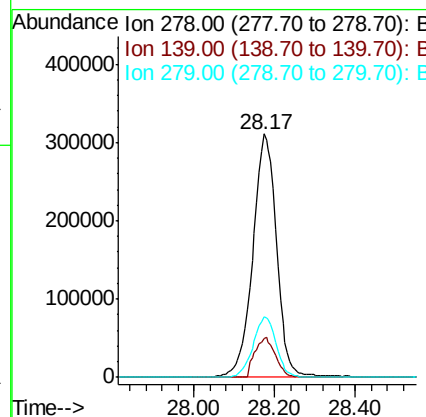
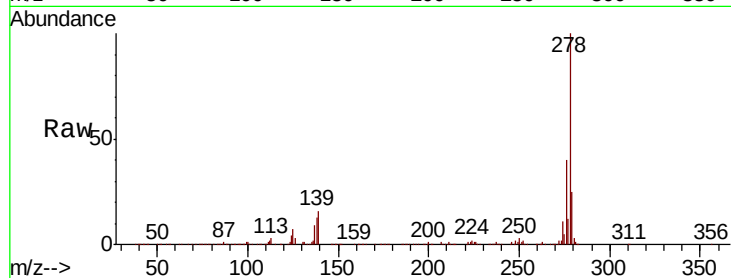


#91  
Dibenzo(a,h)anthracene  
Concen: 49.396 ng  
RT: 28.17 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:278 Resp: 1280394  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.1  | 12.7  | 19.1  |
| 279 | 25.1  | 19.3  | 28.9  |



#92  
Benzo(g,h,i)perylene  
Concen: 50.174 ng  
RT: 29.21 min Scan# 4446  
Delta R.T. 0.01 min  
Lab File: BG044417.D  
Acq: 12 Feb 2020 20:27

Tgt Ion:276 Resp: 1301947  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.5  | 18.8  | 28.2  |
| 138 | 20.8  | 16.2  | 24.2  |

