

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
 Data File : BG041961.D  
 Acq On : 5 Aug 2019 12:13  
 Operator : HP/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 05 12:50:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 05 11:40:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 81013    | 20.00 | ng/ul | 0.02     |
| 18) Naphthalene-d8        | 10.88 | 136  | 333109   | 20.00 | ng/ul | 0.02     |
| 35) Acenaphthene-d10      | 14.71 | 164  | 228658   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.46 | 188  | 507265   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.74 | 240  | 498313   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.03 | 264  | 503263   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 13084  | 7.07  | ng/uL | 0.02 |
| 5) Phenol-d5                   | 7.21  | 99  | 133161 | 20.94 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.38  | 67  | 68354  | 19.22 | ng/ul | 0.03 |
| 9) 2-Chlorophenol-d4           | 7.59  | 132 | 115788 | 21.30 | ng/ul | 0.03 |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 109460 | 20.51 | ng/ul | 0.03 |
| 19) Nitrobenzene-d5            | 9.22  | 128 | 56101  | 22.37 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.95  | 143 | 69515  | 23.88 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.50 | 165 | 135931 | 23.13 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 11.01 | 131 | 151806 | 23.28 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 14.11 | 166 | 366166 | 20.65 | ng/ul | 0.02 |
| 46) Acenaphthylene-d8          | 14.40 | 160 | 432926 | 21.37 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4           | 14.89 | 143 | 64654  | 21.71 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.70 | 176 | 336896 | 21.35 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 68068  | 20.91 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.56 | 188 | 524132 | 21.54 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.84 | 212 | 597825 | 21.50 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.80 | 264 | 624632 | 23.76 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 13599  | 7.089  | ng/uL# | 90  |
| 4) Benzaldehyde                | 7.19  | 77  | 67008  | 22.306 | ng/ul  | 97  |
| 6) Phenol                      | 7.24  | 94  | 137571 | 20.963 | ng/ul  | 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.47  | 93  | 100848 | 20.199 | ng/ul  | 95  |
| 10) 2-Chlorophenol             | 7.62  | 128 | 117946 | 21.406 | ng/ul  | 99  |
| 11) 2-Methylphenol             | 8.50  | 108 | 108484 | 20.618 | ng/ul  | 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.59  | 45  | 156584 | 18.541 | ng/ul  | 96  |
| 14) Acetophenone               | 8.88  | 105 | 170804 | 20.806 | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propylamine | 8.87  | 70  | 80994  | 18.676 | ng/ul  | 96  |
| 16) 4-Methylphenol             | 8.83  | 108 | 115823 | 20.376 | ng/ul  | 95  |
| 17) Hexachloroethane           | 9.16  | 117 | 36663  | 16.069 | ng/ul  | 90  |
| 20) Nitrobenzene               | 9.27  | 77  | 121358 | 21.249 | ng/ul  | 97  |
| 21) Isophorone                 | 9.80  | 82  | 209988 | 18.441 | ng/ul# | 96  |
| 23) 2-Nitrophenol              | 9.98  | 139 | 72583  | 23.335 | ng/ul  | 98  |
| 24) 2,4-Dimethylphenol         | 10.04 | 107 | 121054 | 19.725 | ng/ul  | 96  |
| 25) Bis(2-Chloroethoxy)methane | 10.28 | 93  | 138702 | 20.516 | ng/ul  | 98  |
| 27) 2,4-Dichlorophenol         | 10.53 | 162 | 132553 | 22.743 | ng/ul  | 95  |
| 28) Naphthalene                | 10.93 | 128 | 365177 | 21.444 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 11.03 | 127 | 151379 | 23.096 | ng/ul  | 97  |
| 31) Hexachlorobutadiene        | 11.22 | 225 | 97165  | 21.958 | ng/ul  | 98  |
| 32) Caprolactam                | 11.79 | 113 | 15981  | 8.475  | ng/ul  | 89  |
| 33) 4-Chloro-3-methylphenol    | 12.15 | 107 | 122367 | 21.309 | ng/ul  | 100 |
| 34) 2-Methylnaphthalene        | 12.54 | 142 | 289360 | 21.378 | ng/ul  | 99  |

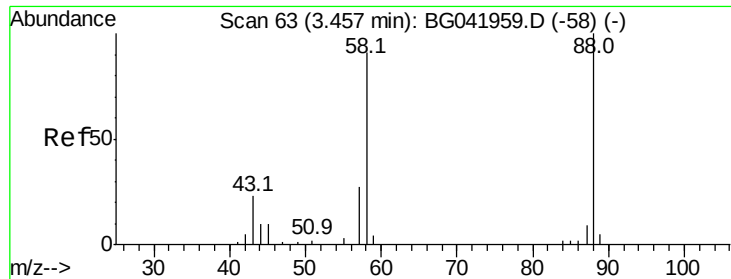
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
 Data File : BG041961.D  
 Acq On : 5 Aug 2019 12:13  
 Operator : HP/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 05 12:50:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 05 11:40:45 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216  | 198520   | 24.282 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.89 | 237  | 101938   | 19.749 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.14 | 196  | 122964   | 24.304 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.21 | 196  | 131935   | 23.378 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.54 | 154  | 373977   | 22.493 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.59 | 162  | 305365   | 22.809 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.78 | 65   | 77043    | 21.998 | ng/ul  | 94       |
| 44) Dimethylphthalate          | 14.16 | 163  | 357717   | 20.315 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.27 | 165  | 85533    | 22.332 | ng/ul  | 95       |
| 47) Acenaphthylene             | 14.43 | 152  | 434479   | 21.250 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.60 | 138  | 74829    | 24.499 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.77 | 153  | 307794   | 21.529 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.81 | 184  | 53868    | 25.704 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 14.91 | 109  | 49805    | 22.571 | ng/ul  | 97       |
| 53) Dibenzofuran               | 15.11 | 168  | 469832   | 22.020 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.06 | 165  | 121892   | 21.889 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.33 | 232  | 121378   | 22.694 | ng/ul# | 100      |
| 56) Diethylphthalate           | 15.52 | 149  | 346096   | 19.759 | ng/ul  | 98       |
| 58) Fluorene                   | 15.75 | 166  | 368784   | 21.458 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.75 | 204  | 221347   | 22.180 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.77 | 138  | 79024    | 23.222 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 74938    | 21.373 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.95 | 169  | 338338   | 22.481 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.64 | 248  | 152868   | 22.763 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.77 | 284  | 145023   | 21.501 | ng/ul  | 95       |
| 67) Atrazine                   | 16.91 | 200  | 127849   | 20.270 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 17.11 | 266  | 99544    | 27.097 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.50 | 178  | 609471   | 21.947 | ng/ul  | 100      |
| 71) Anthracene                 | 17.59 | 178  | 613965   | 21.798 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.51 | 216  | 198653   | 24.575 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.03 | 250  | 196241   | 24.010 | ng/uL  | 98       |
| 74) Carbazole                  | 17.86 | 167  | 531839   | 22.795 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.42 | 149  | 571639   | 19.879 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.87 | 202  | 723554   | 22.550 | ng/ul  | 98       |
| 79) Pvrene                     | 19.87 | 202  | 723554   | 21.586 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.75 | 149  | 256179   | 19.417 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.63 | 252  | 270226   | 23.859 | ng/ul# | 96       |
| 82) Benzo(a)anthracene         | 21.72 | 228  | 752935   | 21.792 | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 342066   | 19.002 | ng/ul  | 99       |
| 84) Chrysene                   | 21.79 | 228  | 710724   | 22.040 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.86 | 149  | 622979   | 25.020 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 23.98 | 252  | 708341   | 22.428 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 24.04 | 252  | 726179   | 23.914 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 24.87 | 252  | 712046   | 23.660 | ng/ul  | 98       |
| -----                          |       |      |          |        |        |          |

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





#2

1,4-Dioxane

Concen: 7.089 ng/uL

RT: 3.47 min Scan# 65

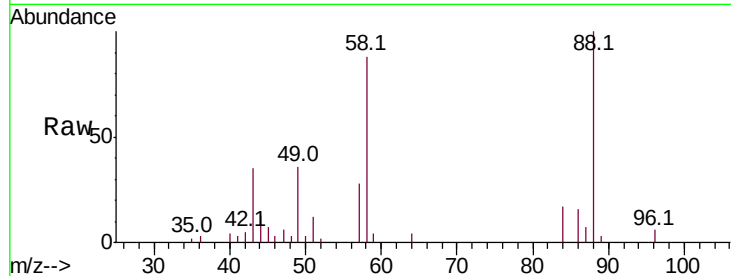
Delta R.T. 0.02 min

Lab File: BG041961.D

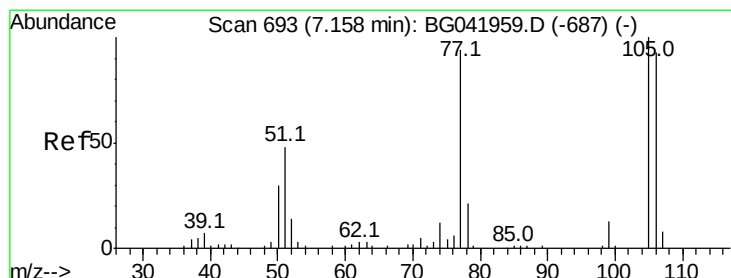
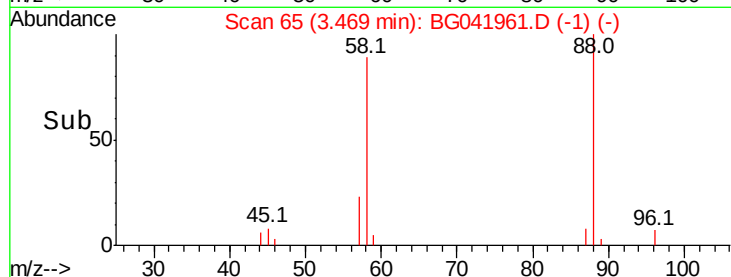
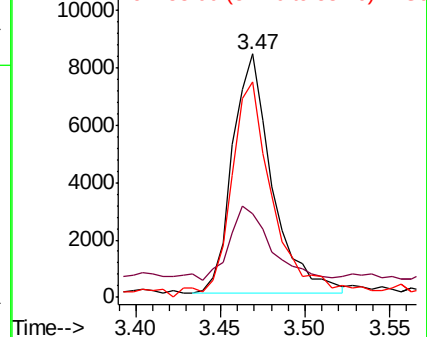
Acq: 5 Aug 2019 12:13

Tot Ion: 88 Resp: 13599

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 34.5  | 36.3  | 54.5# |
| 58  | 88.4  | 66.0  | 99.0  |



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



#4

Benzaldehyde

Concen: 22.306 ng/uL

RT: 7.19 min Scan# 698

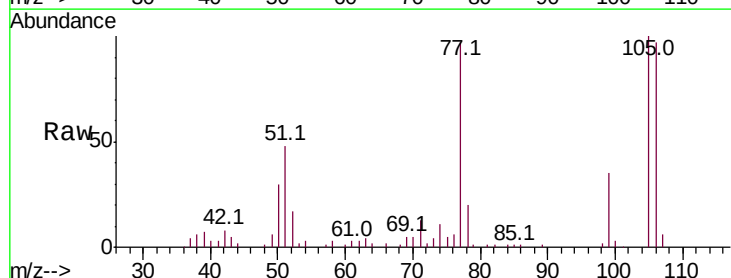
Delta R.T. 0.03 min

Lab File: BG041961.D

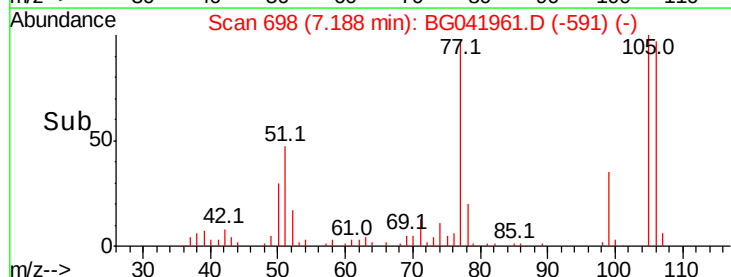
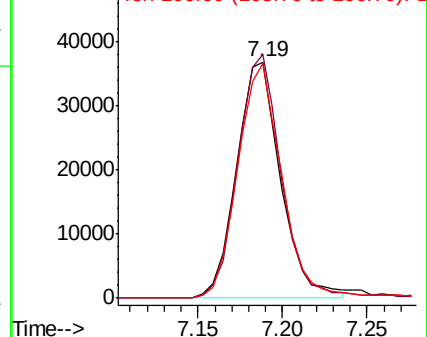
Acq: 5 Aug 2019 12:13

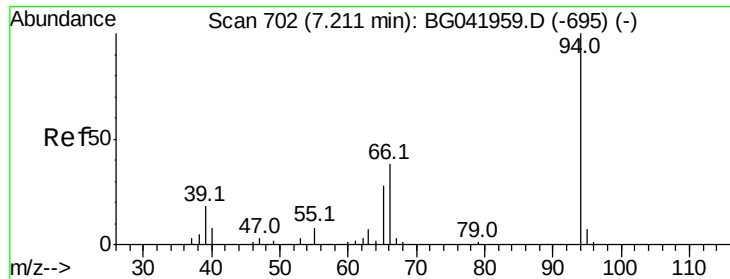
Tgt Ion: 77 Resp: 67008

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 103.1 | 80.7  | 121.1 |
| 106 | 99.5  | 76.3  | 114.5 |



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





#6

Phenol

Concen: 20.963 ng/ul

RT: 7.24 min Scan# 706

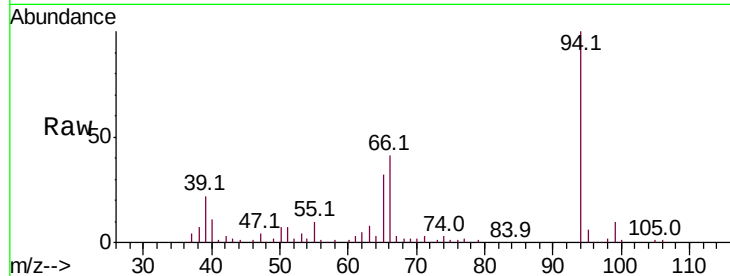
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion: 94 Resp: 137571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.7  | 25.8  | 38.6  |
| 66  | 41.2  | 31.8  | 47.8  |

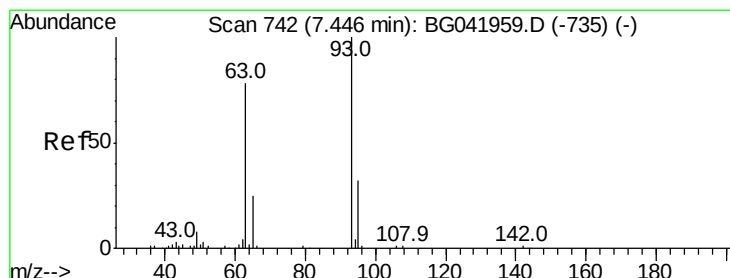
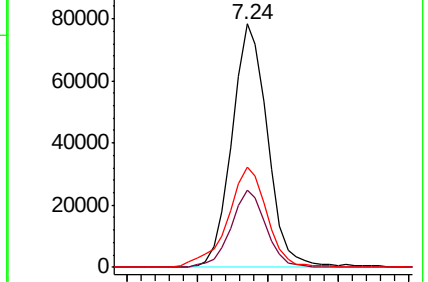
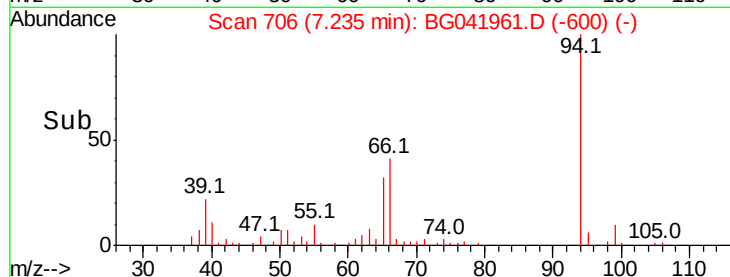


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 20.199 ng/ul

RT: 7.47 min Scan# 746

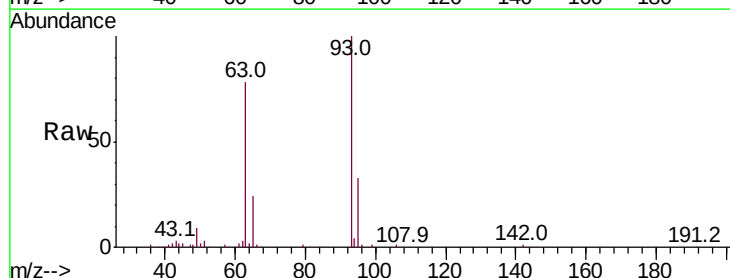
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion: 93 Resp: 100848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 78.4  | 67.4  | 101.0 |
| 95  | 32.5  | 25.9  | 38.9  |

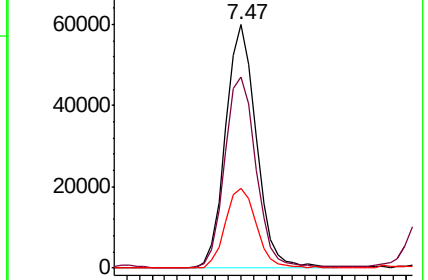
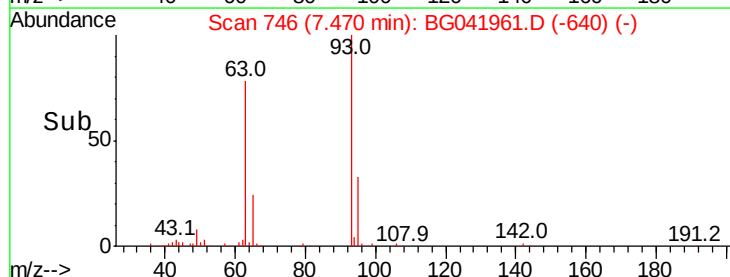


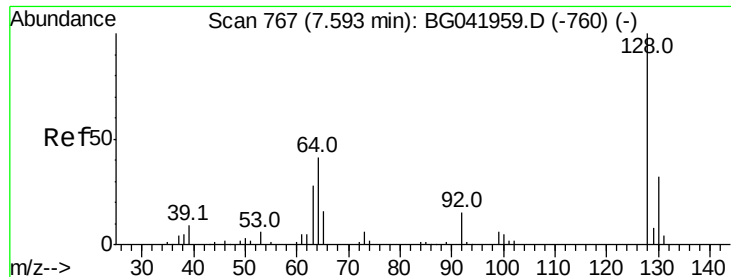
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

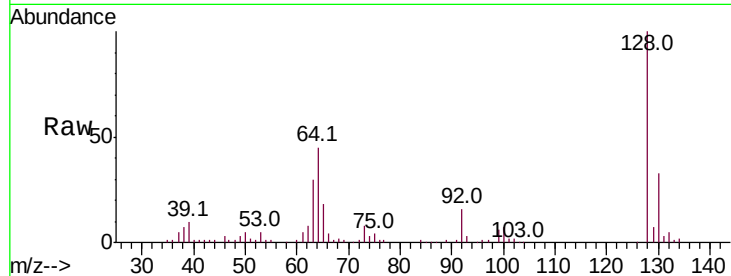
Ion 95.00 (94.70 to 95.70): BGC



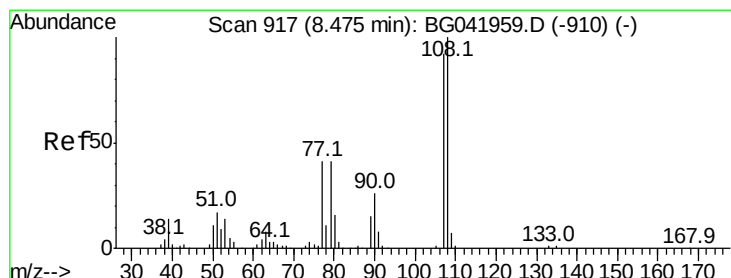
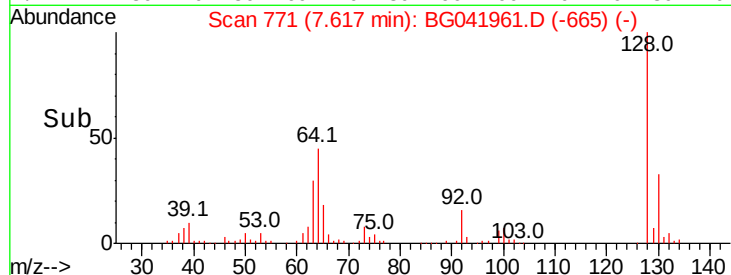
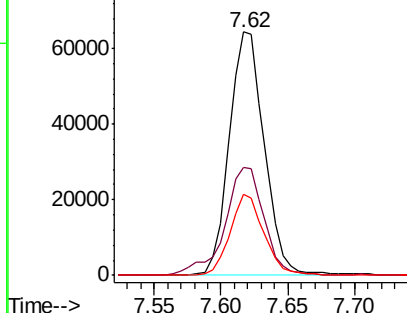


#10  
2-Chlorophenol  
Concen: 21.406 ng/ul  
RT: 7.62 min Scan# 771  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 44.6  | 35.5  | 53.3  |
| 130     | 33.4  | 26.2  | 39.4  |

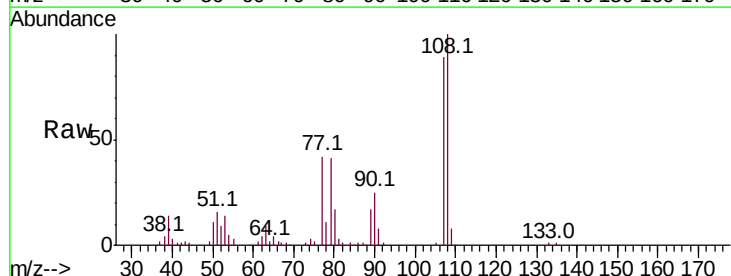


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 130.00 (129.70 to 130.70): E

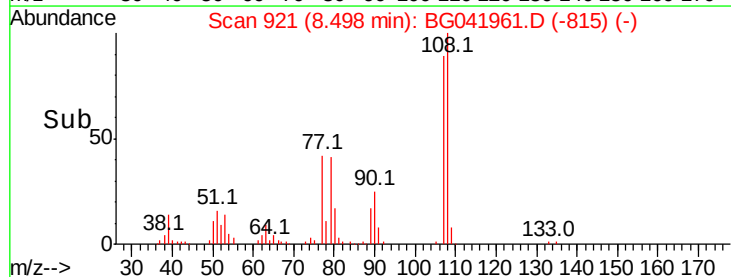
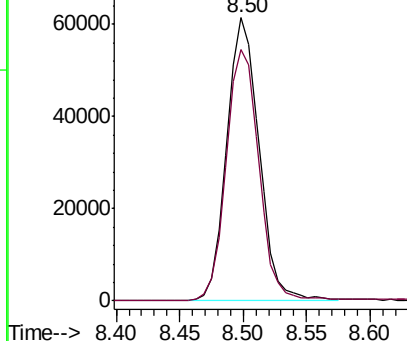


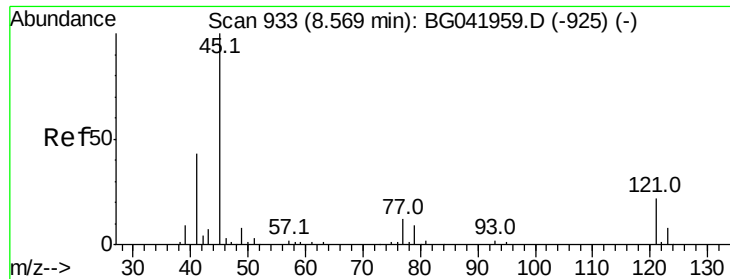
#11  
2-Methylphenol  
Concen: 20.618 ng/ul  
RT: 8.50 min Scan# 921  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 88.8  | 69.9  | 104.9 |



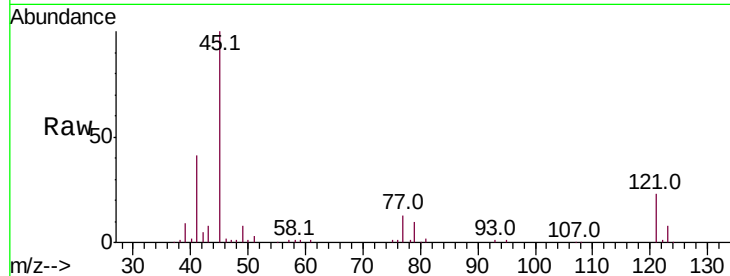
Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E



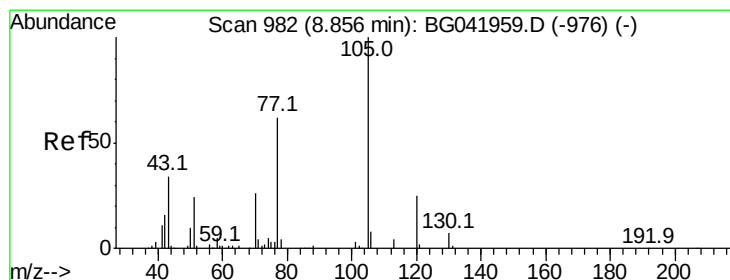
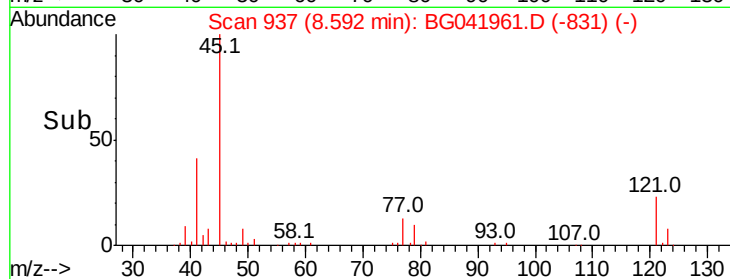
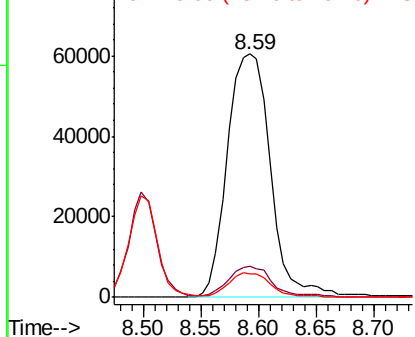


#12  
2,2'-oxvbis(1-Chloropropane)  
Concen: 18.541 ng/ul  
RT: 8.59 min Scan# 937  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 12.6  | 8.6   | 12.8  |
| 79      | 9.9   | 7.2   | 10.8  |

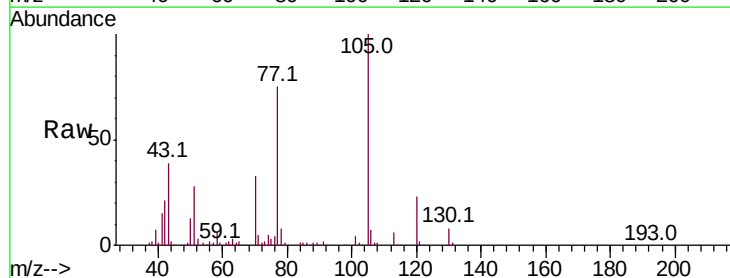


Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

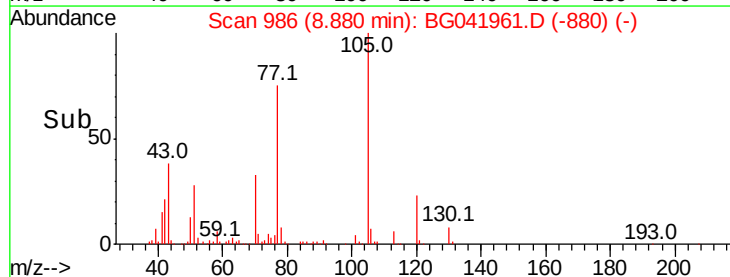
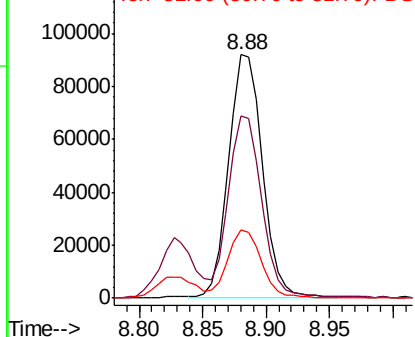


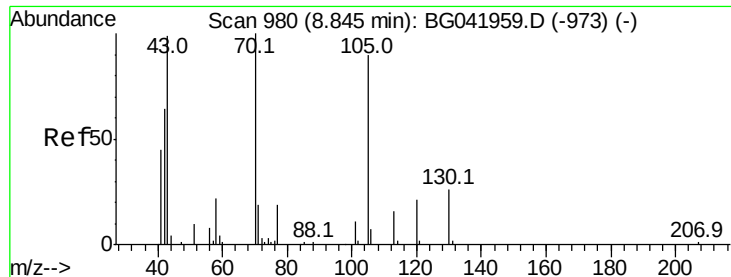
#14  
Acetophenone  
Concen: 20.806 ng/ul  
RT: 8.88 min Scan# 986  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 77      | 74.8  | 60.0  | 90.0  |
| 51      | 28.3  | 22.1  | 33.1  |



Abundance Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 18.676 ng/ul

RT: 8.87 min Scan# 984

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion: 70 Resp: 80994

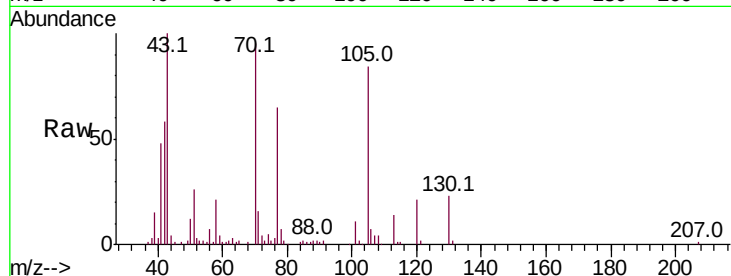
Ion Ratio Lower Upper

70 100

42 61.5 46.4 69.6

101 11.9 9.7 14.5

130 24.2 21.1 31.7

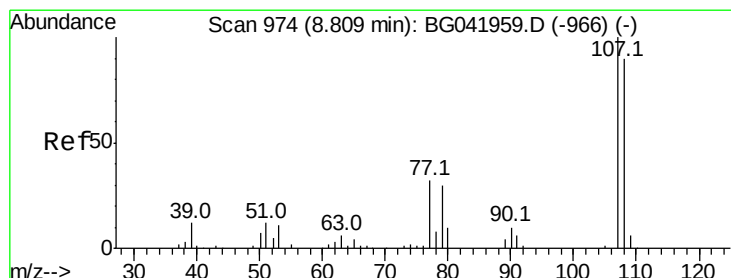
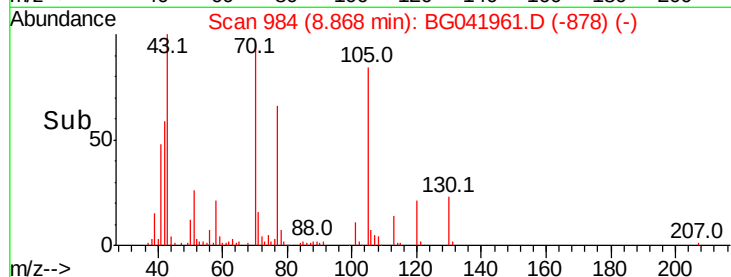
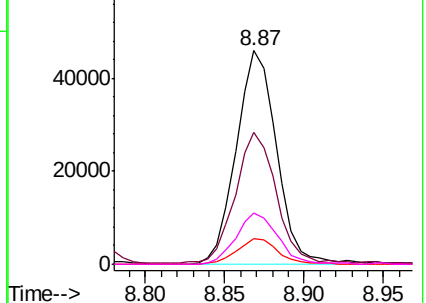


Abundance Ion 70.00 (69.70 to 70.70): BG041961.D (-878) (-)

Ion 42.00 (41.70 to 42.70): BG041961.D (-878) (-)

Ion 101.00 (100.70 to 101.70): BG041961.D (-878) (-)

Ion 130.00 (129.70 to 130.70): BG041961.D (-878) (-)



#16

4-Methylphenol

Concen: 20.376 ng/ul

RT: 8.83 min Scan# 977

Delta R.T. 0.02 min

Lab File: BG041961.D

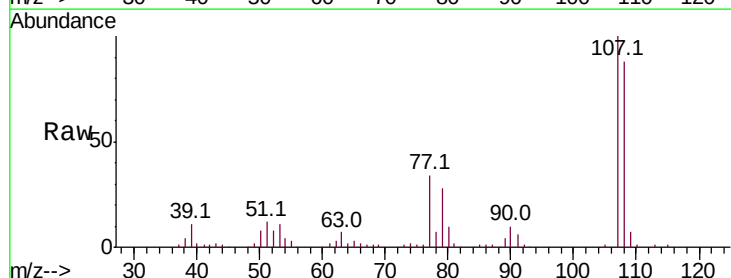
Acq: 5 Aug 2019 12:13

Tgt Ion: 108 Resp: 115823

Ion Ratio Lower Upper

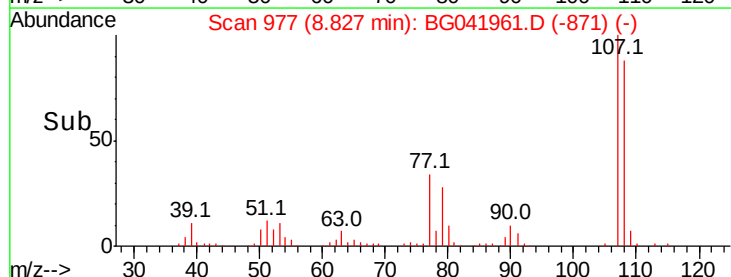
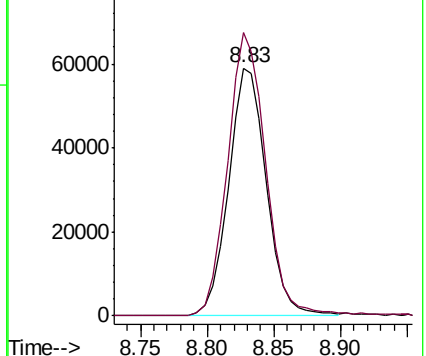
108 100

107 114.1 96.2 144.2

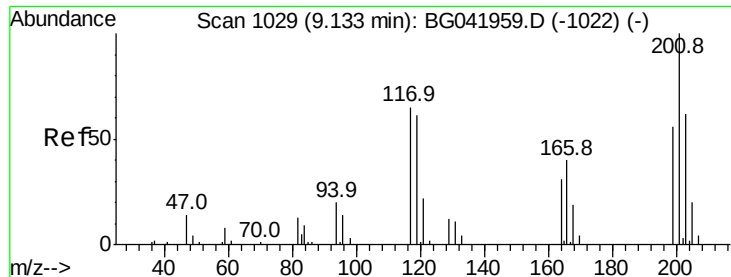


Abundance Ion 108.00 (107.70 to 108.70): BG041961.D (-871) (-)

Ion 107.00 (106.70 to 107.70): BG041961.D (-871) (-)

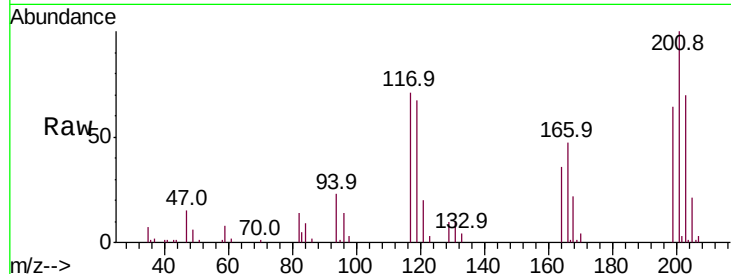




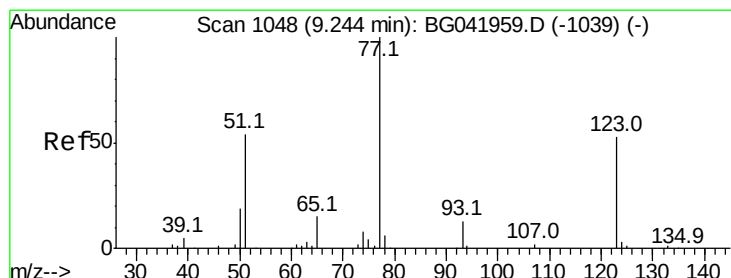
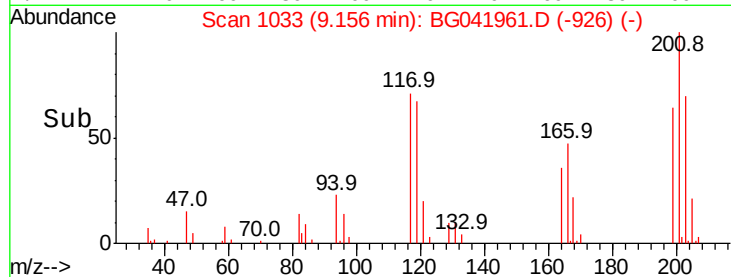
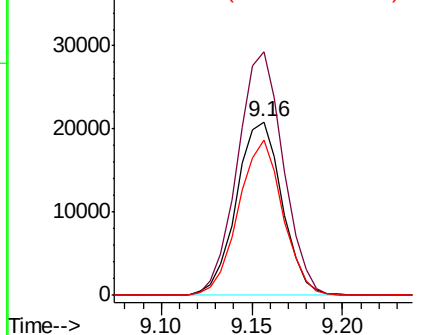


#17  
Hexachloroethane  
Concen: 16.069 ng/ul  
RT: 9.16 min Scan# 1033  
Delta R.T. 0.03 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

Tot Ion:117 Resp: 36663  
Ion Ratio Lower Upper  
117 100  
201 140.1 103.4 155.2  
199 89.1 62.9 94.3

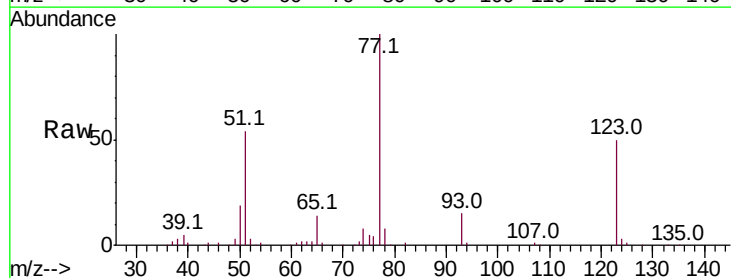


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

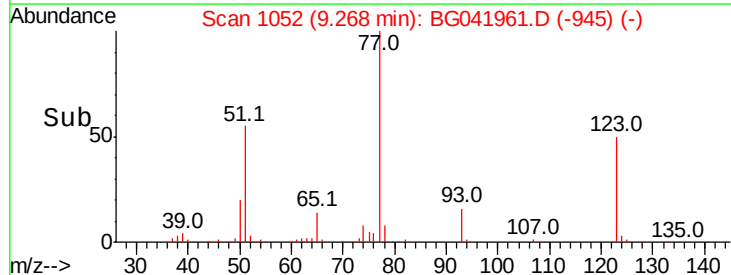
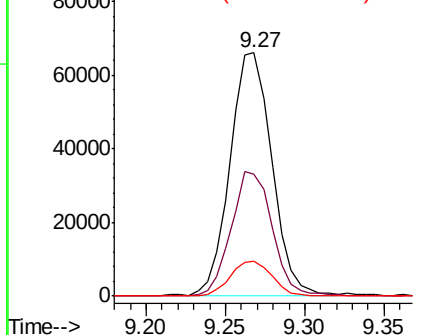


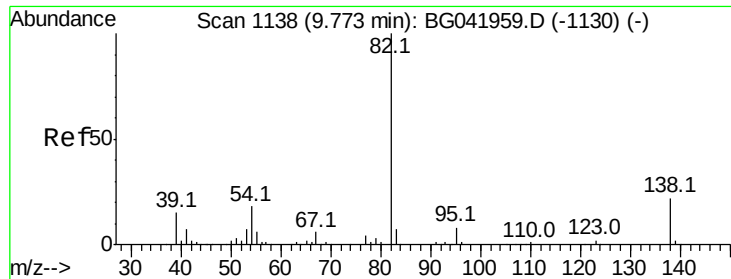
#20  
Nitrobenzene  
Concen: 21.249 ng/ul  
RT: 9.27 min Scan# 1052  
Delta R.T. 0.03 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

Tgt Ion: 77 Resp: 121358  
Ion Ratio Lower Upper  
77 100  
123 50.1 38.3 57.5  
65 14.1 11.6 17.4



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





#21

Isophorone

Concen: 18.441 ng/ul

RT: 9.80 min Scan# 1142

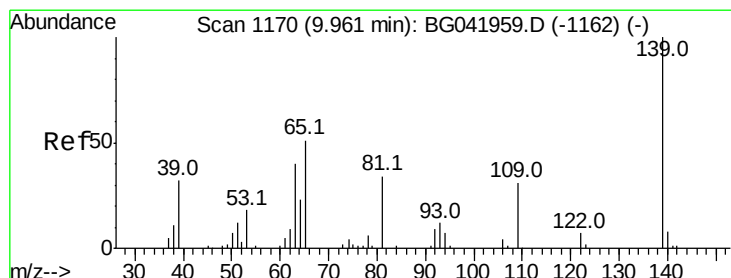
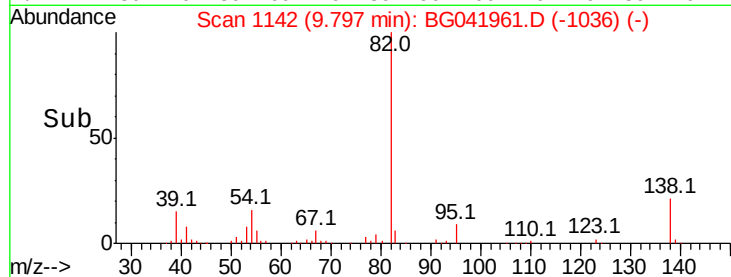
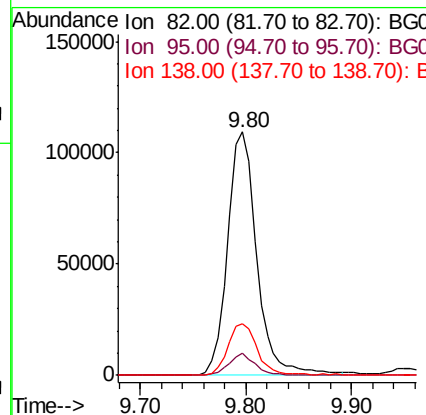
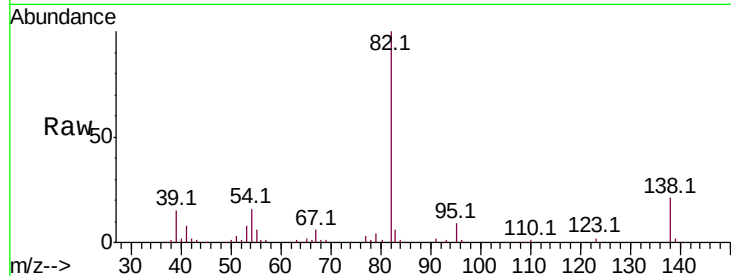
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion: 82 Resp: 209988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 8.9   | 5.6   | 8.4#  |
| 138 | 21.1  | 15.8  | 23.8  |



#23

2-Nitrophenol

Concen: 23.335 ng/ul

RT: 9.98 min Scan# 1174

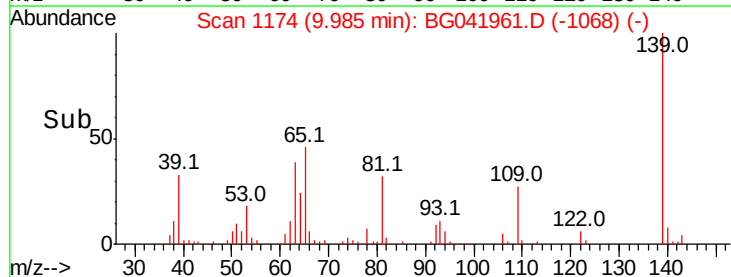
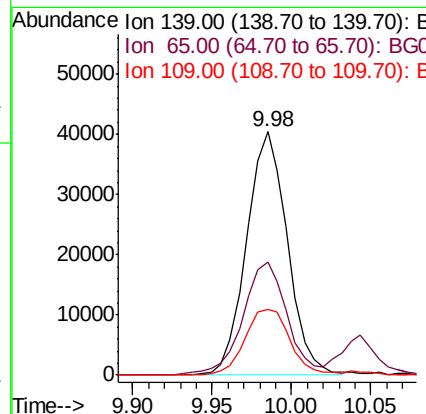
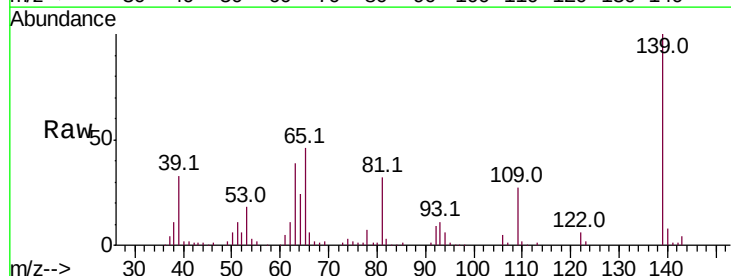
Delta R.T. 0.02 min

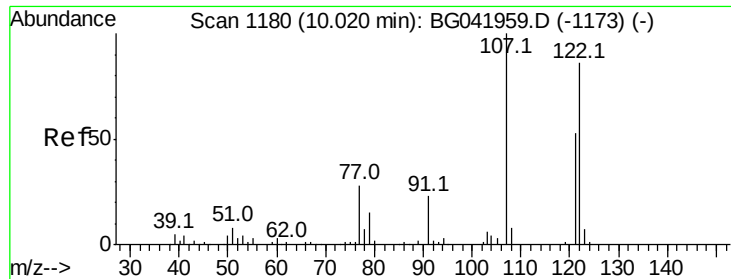
Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion: 139 Resp: 72583

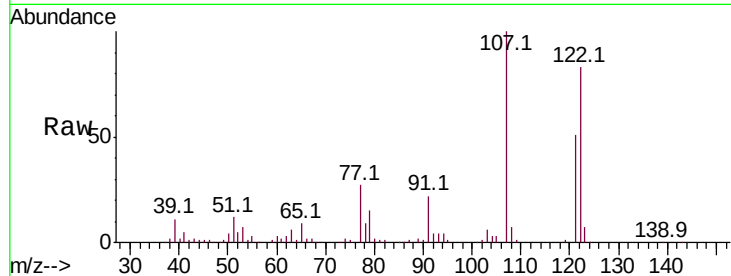
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 65  | 46.3  | 38.6  | 57.8  |
| 109 | 27.1  | 21.9  | 32.9  |



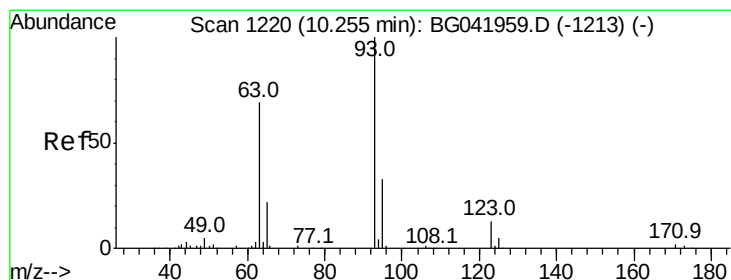
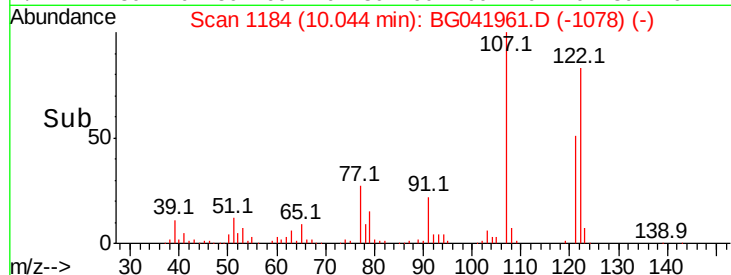
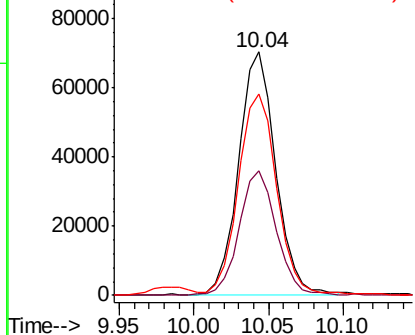


#24  
 2,4-Dimethylphenol  
 Concen: 19.725 ng/ul  
 RT: 10.04 min Scan# 1184  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

Tot Ion:107 Resp: 121054  
 Ion Ratio Lower Upper  
 107 100  
 121 51.4 45.0 67.6  
 122 82.6 68.1 102.1

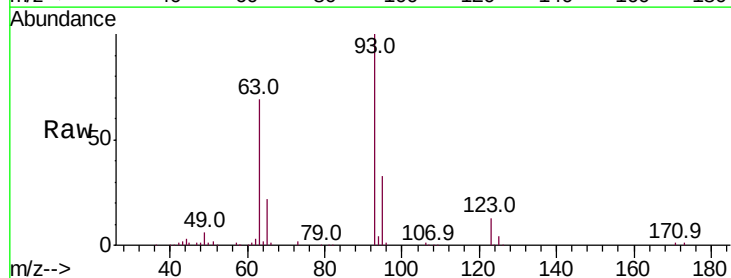


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E  
 Ion 122.00 (121.70 to 122.70): E

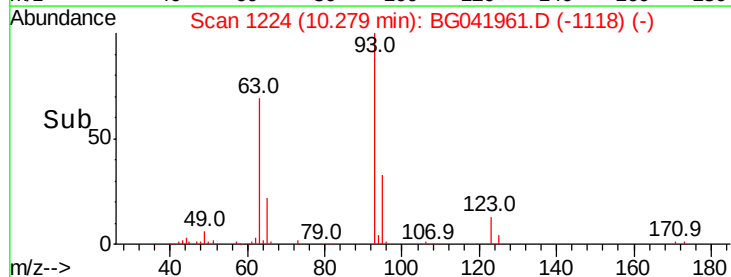
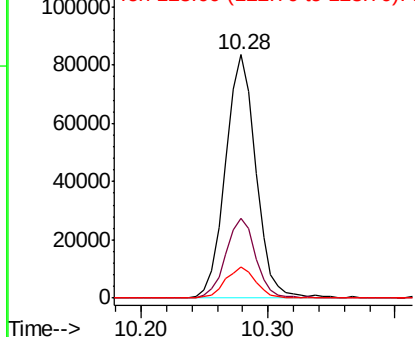


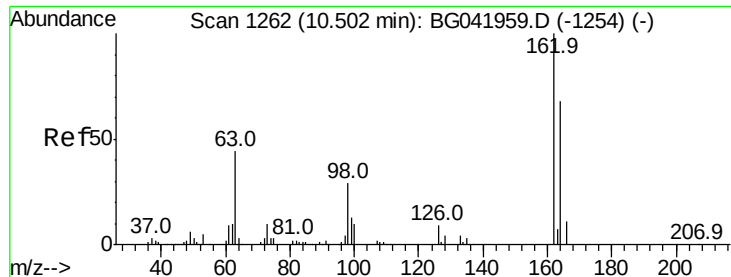
#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 20.516 ng/ul  
 RT: 10.28 min Scan# 1224  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

Tgt Ion: 93 Resp: 138702  
 Ion Ratio Lower Upper  
 93 100  
 95 32.6 25.4 38.0  
 123 13.0 9.6 14.4



Abundance Ion 93.00 (92.70 to 93.70): BGC  
 Ion 95.00 (94.70 to 95.70): BGC  
 Ion 123.00 (122.70 to 123.70): E





#27

2,4-Dichlorophenol

Concen: 22.743 ng/ul

RT: 10.53 min Scan# 1266

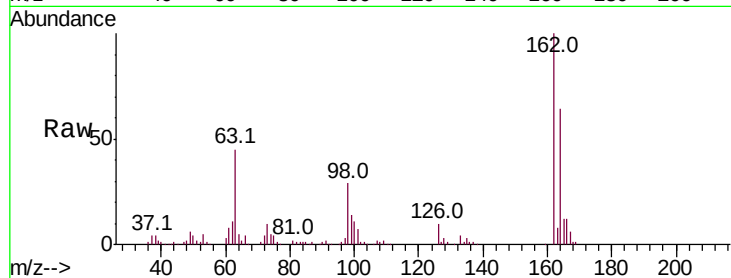
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion:162 Resp: 132553

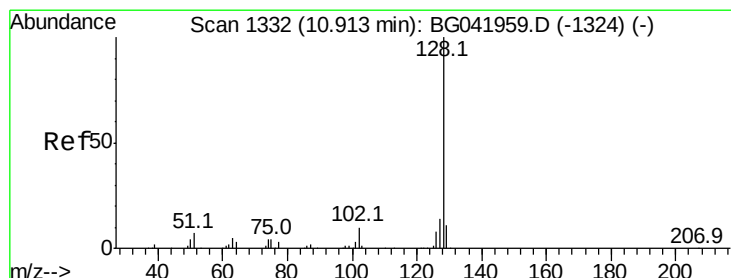
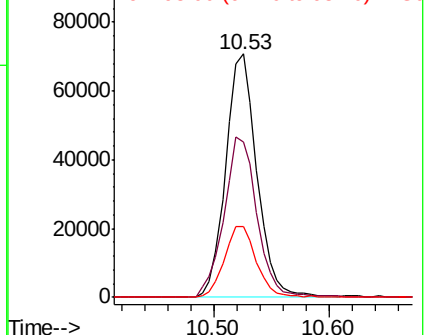
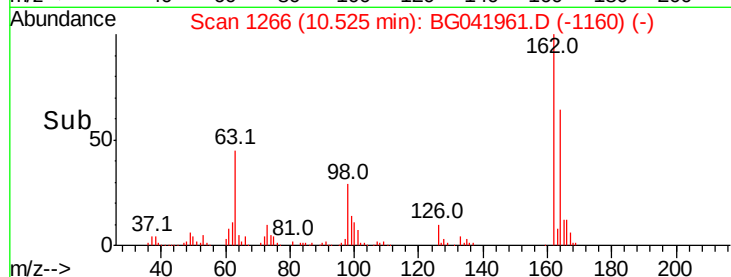
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 63.8  | 54.6  | 82.0  |
| 98  | 29.1  | 24.6  | 36.8  |



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



#28

Naphthalene

Concen: 21.444 ng/ul

RT: 10.93 min Scan# 1335

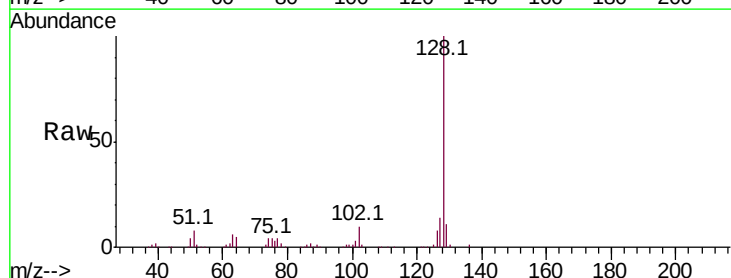
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion:128 Resp: 365177

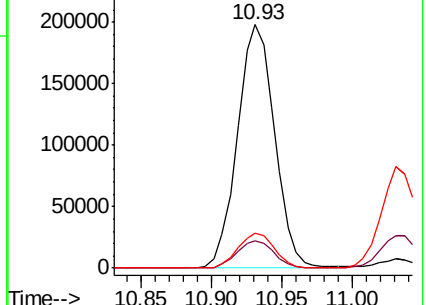
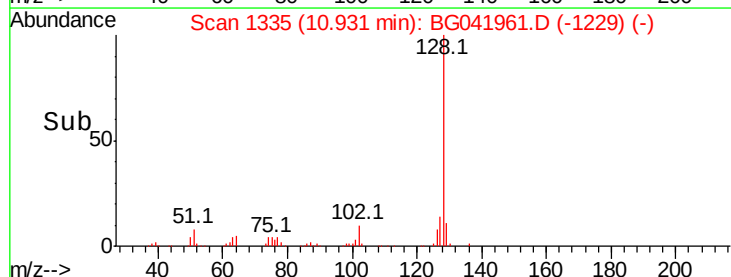
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.3  | 9.5   | 14.3  |
| 127 | 14.4  | 11.4  | 17.0  |

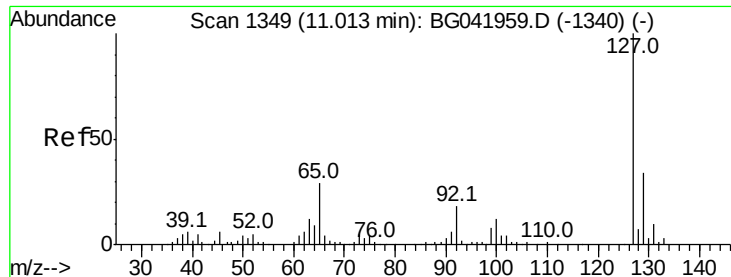


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

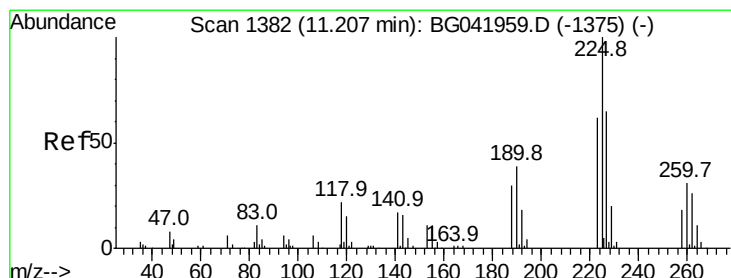
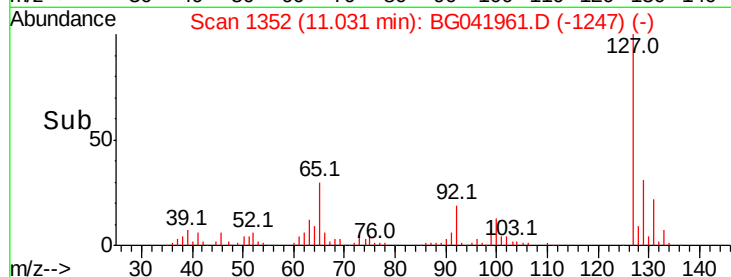
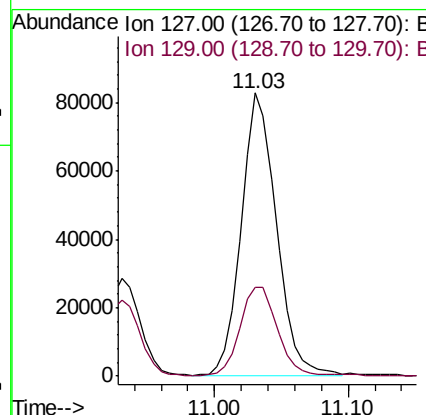
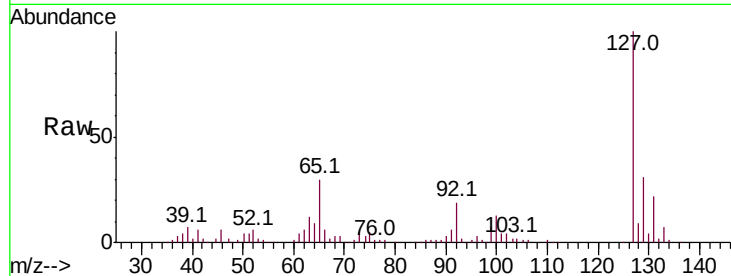
Ion 127.00 (126.70 to 127.70): E





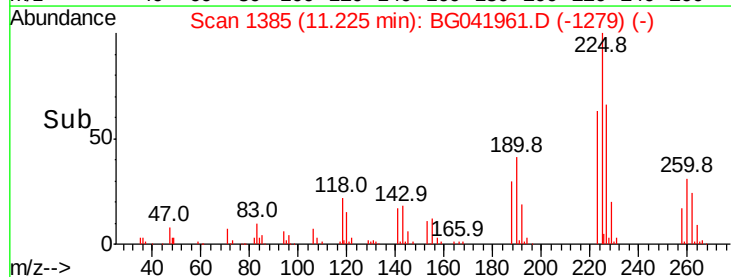
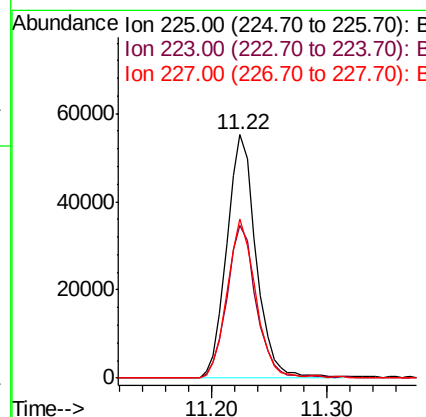
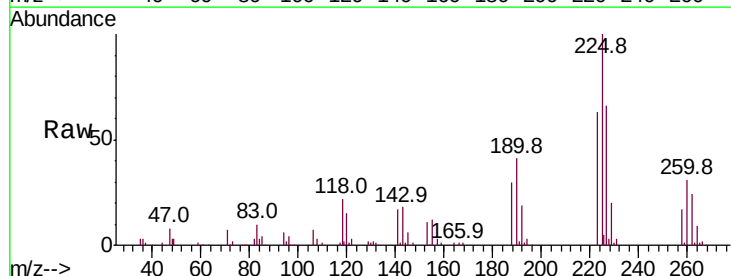
#30  
 4-Chloroaniline  
 Concen: 23.096 ng/ul  
 RT: 11.03 min Scan# 1352  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

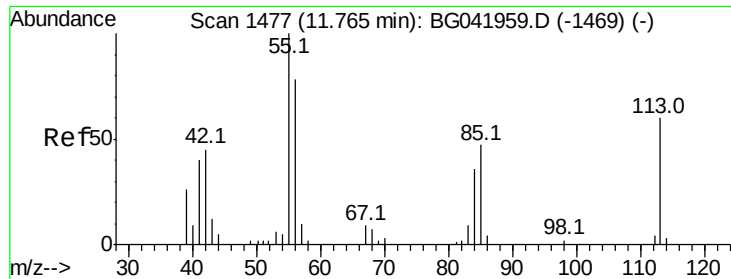
Tot Ion:127 Resp: 151379  
 Ion Ratio Lower Upper  
 127 100  
 129 31.3 26.5 39.7



#31  
 Hexachlorobutadiene  
 Concen: 21.958 ng/ul  
 RT: 11.22 min Scan# 1385  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

Tgt Ion:225 Resp: 97165  
 Ion Ratio Lower Upper  
 225 100  
 223 62.6 49.7 74.5  
 227 65.6 50.7 76.1





#32

Caprolactam

Concen: 8.475 ng/ul

RT: 11.79 min Scan# 1481

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

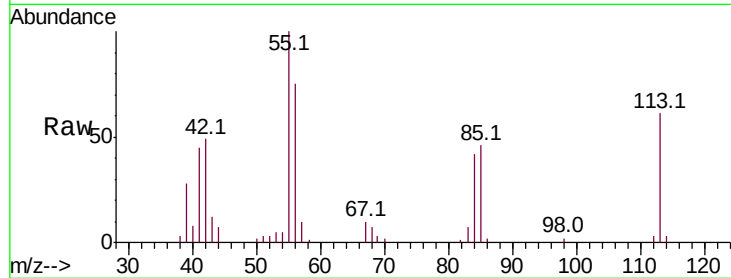
Tot Ion:113 Resp: 15981

Ion Ratio Lower Upper

113 100

55 163.3 142.4 213.6

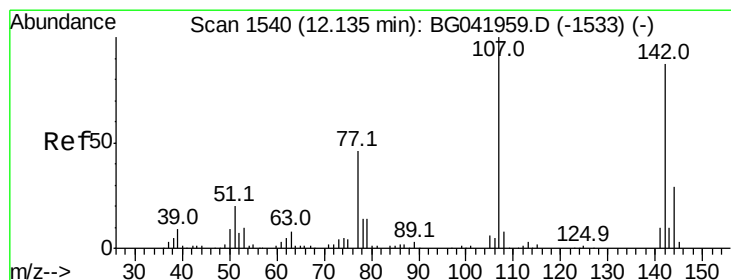
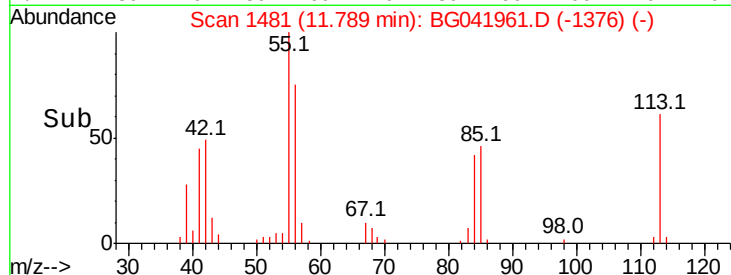
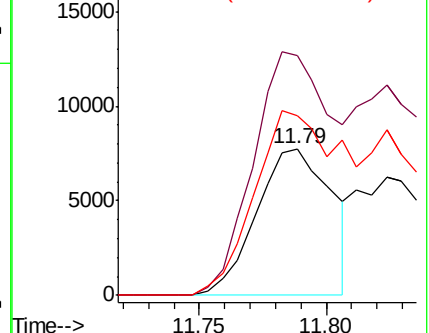
56 122.9 109.4 164.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#33

4-Chloro-3-methylphenol

Concen: 21.309 ng/ul

RT: 12.15 min Scan# 1543

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

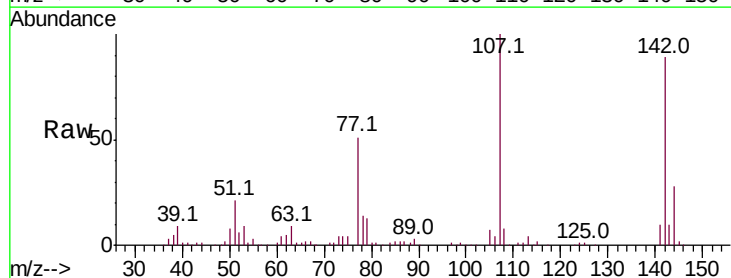
Tgt Ion:107 Resp: 122367

Ion Ratio Lower Upper

107 100

144 28.3 23.0 34.6

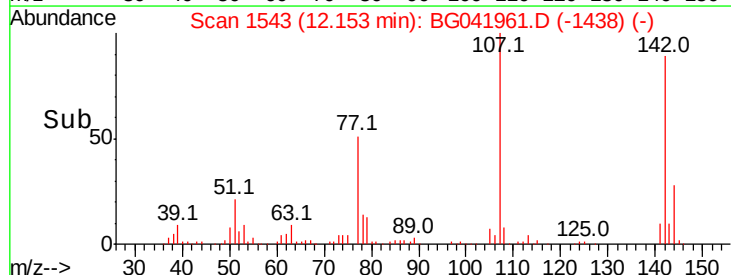
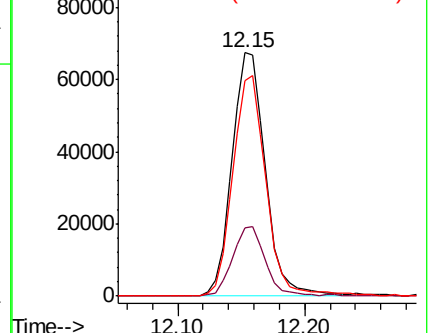
142 88.7 71.0 106.6

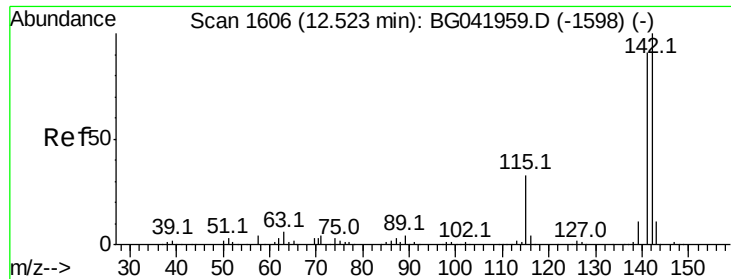


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

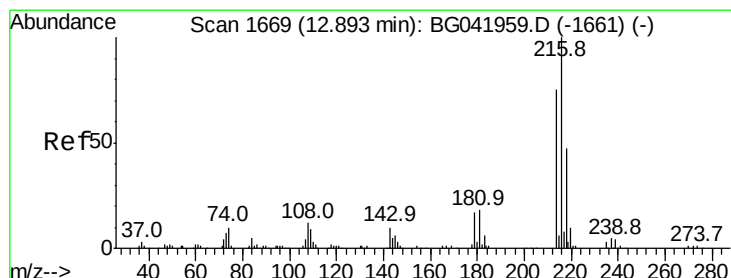
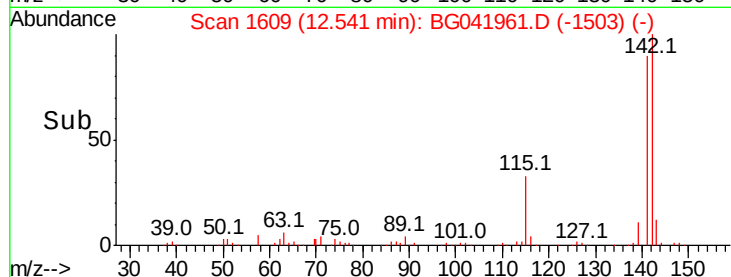
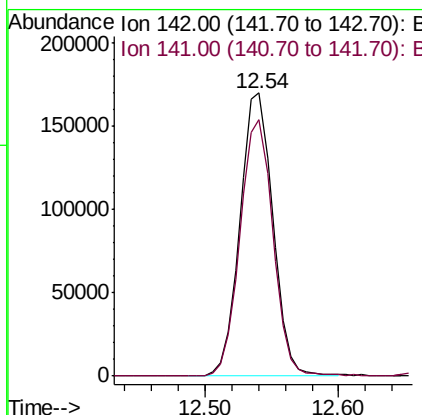
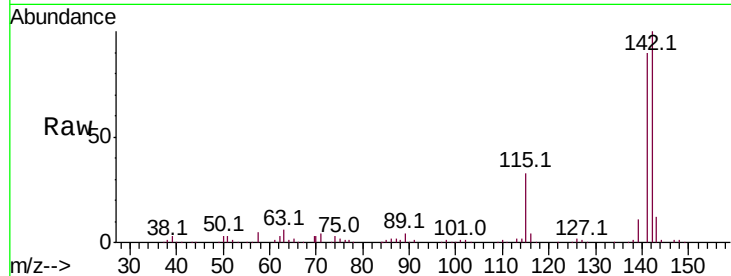
Ion 142.00 (141.70 to 142.70): E





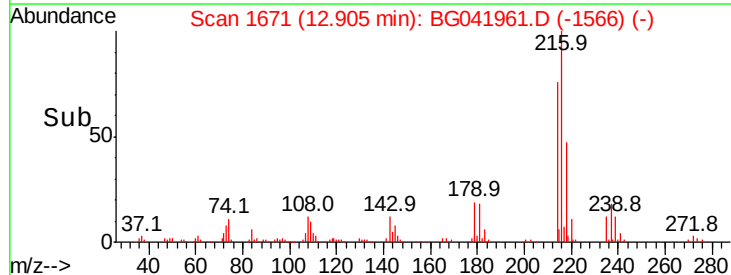
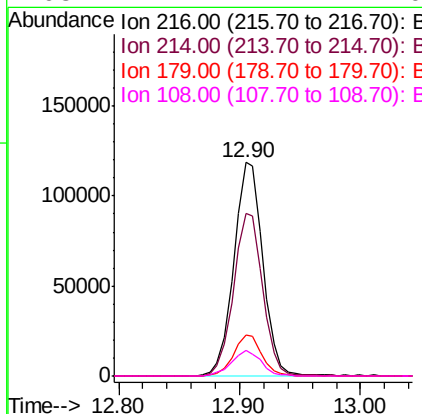
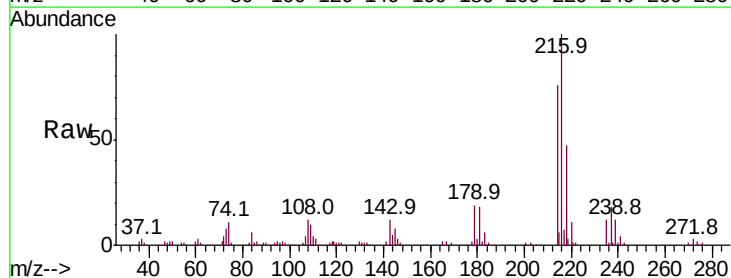
#34  
 2-Methylnaphthalene  
 Concen: 21.378 ng/ul  
 RT: 12.54 min Scan# 1609  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

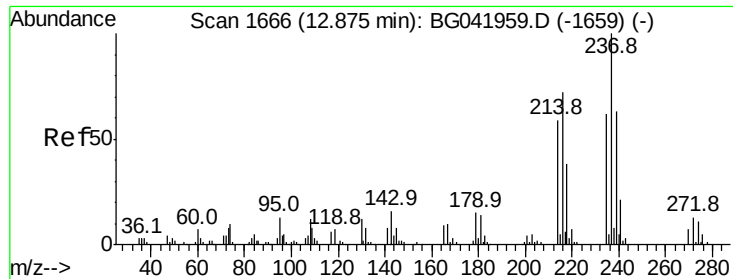
Tot Ion:142 Resp: 289360  
 Ion Ratio Lower Upper  
 142 100  
 141 90.4 72.9 109.3



#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 24.282 ng/ul  
 RT: 12.90 min Scan# 1671  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

Tgt Ion:216 Resp: 198520  
 Ion Ratio Lower Upper  
 216 100  
 214 76.4 60.9 91.3  
 179 19.2 15.4 23.2  
 108 11.7 11.4 17.0





#37

Hexachlorocyclopentadiene

Concen: 19.749 ng/ul

RT: 12.89 min Scan# 1668

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

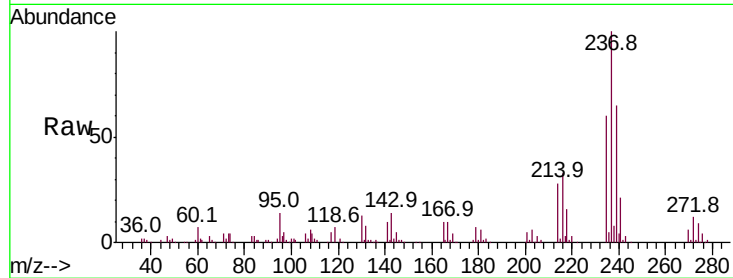
Tot Ion:237 Resp: 101938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 59.8  | 47.0  | 70.6  |
| 272 | 11.5  | 8.8   | 13.2  |

237 100

235 59.8 47.0 70.6

272 11.5 8.8 13.2

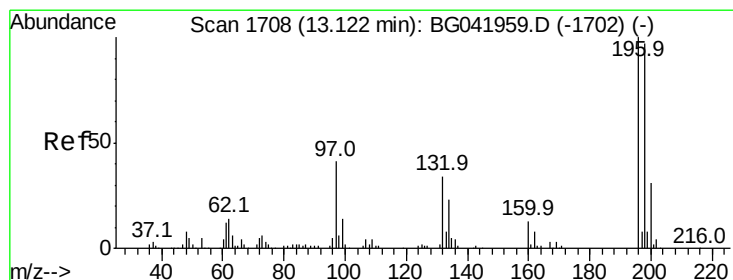
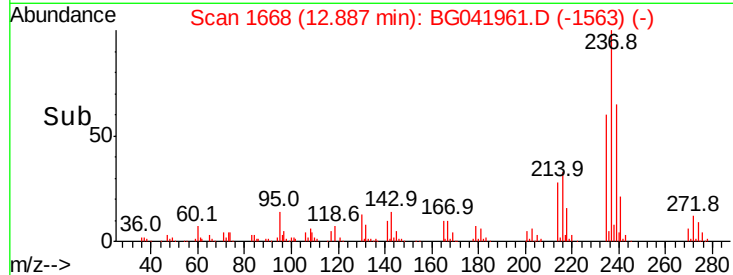
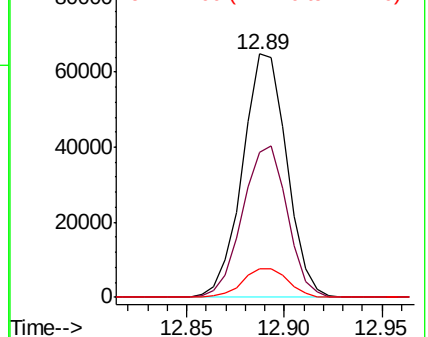


Abundance

Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 24.304 ng/ul

RT: 13.14 min Scan# 1711

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

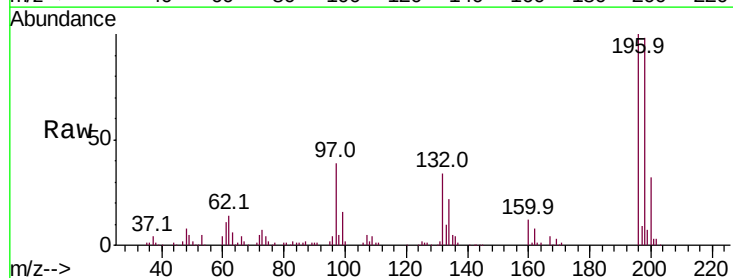
Tgt Ion:196 Resp: 122964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 98.1  | 80.0  | 120.0 |
| 200 | 32.0  | 26.9  | 40.3  |

196 100

198 98.1 80.0 120.0

200 32.0 26.9 40.3

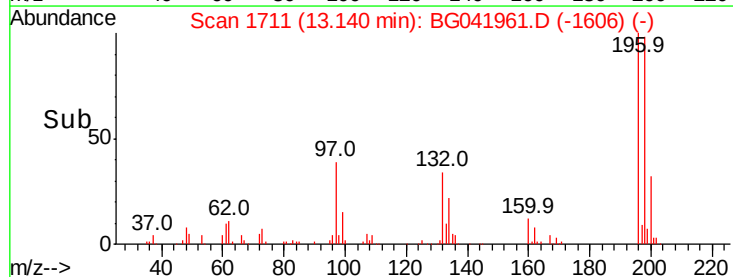
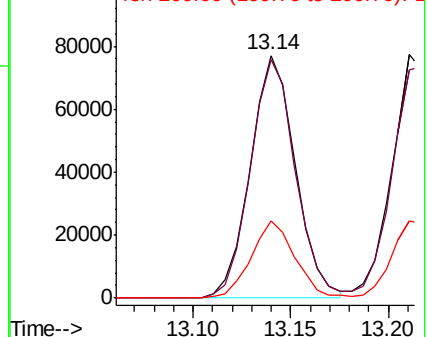


Abundance

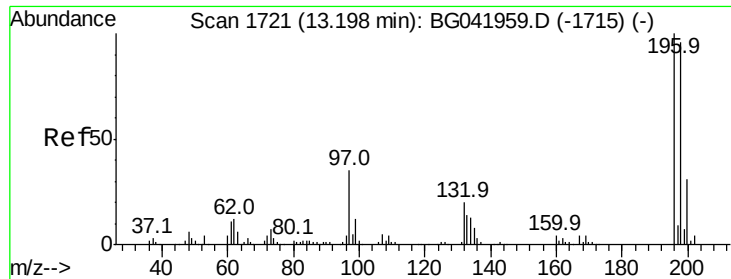
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

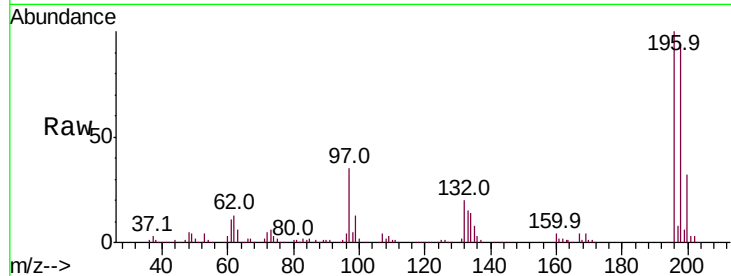






#39  
 2,4,5-Trichlorophenol  
 Concen: 23.378 ng/ul  
 RT: 13.21 min Scan# 1723  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.7  | 76.8  | 115.2 |
| 200     | 31.8  | 24.9  | 37.3  |

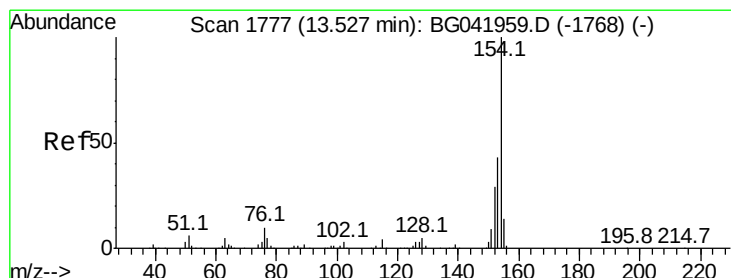
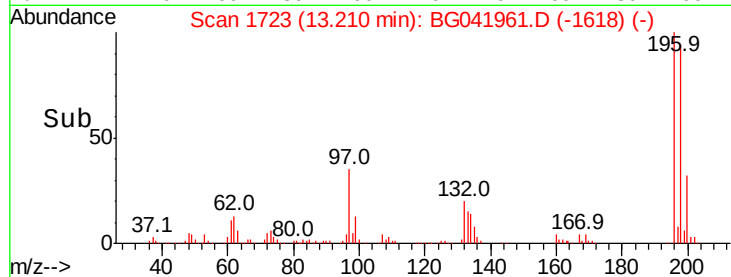
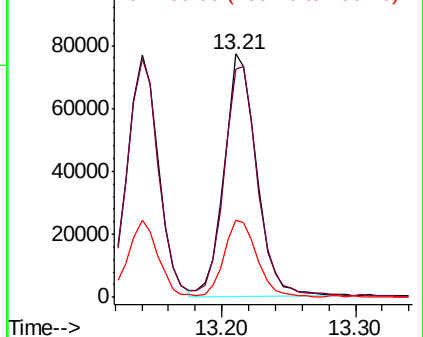


Abundance

Ion 196.00 (195.70 to 196.70): E

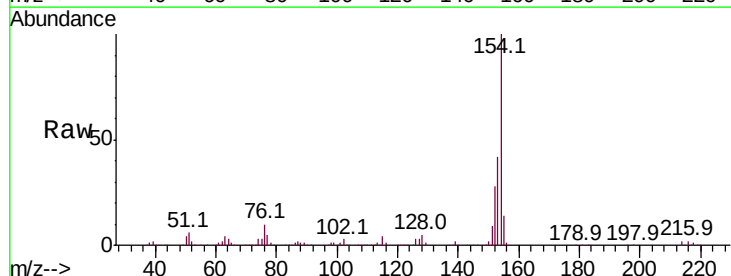
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#40  
 1,1'-Biphenyl  
 Concen: 22.493 ng/ul  
 RT: 13.54 min Scan# 1779  
 Delta R.T. 0.01 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.3  | 32.6  | 48.8  |
| 76      | 10.0  | 8.6   | 13.0  |

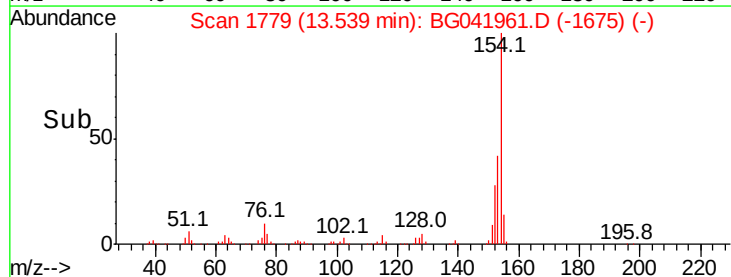
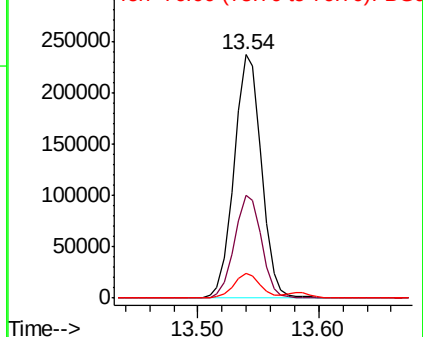


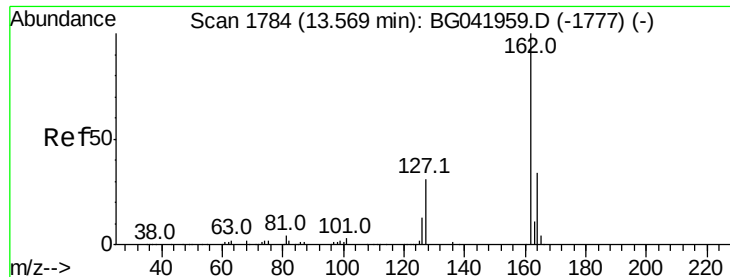
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

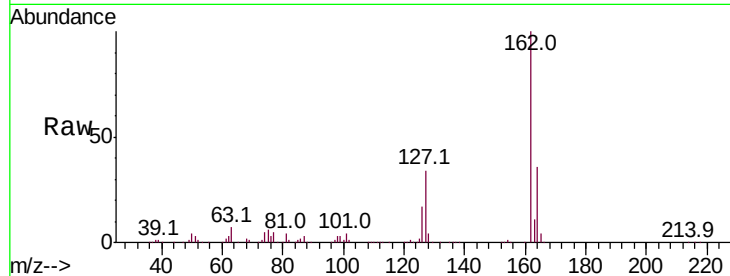
Ion 76.00 (75.70 to 76.70): BG



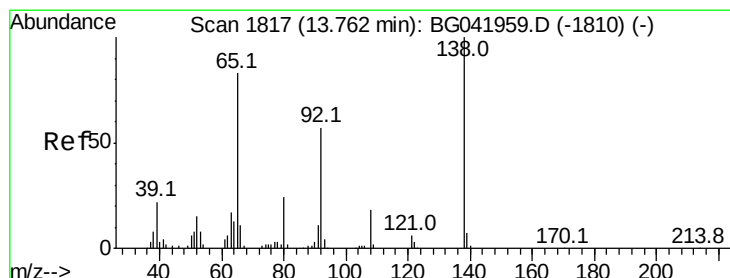
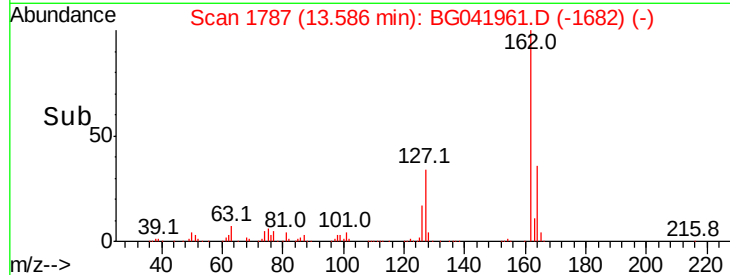
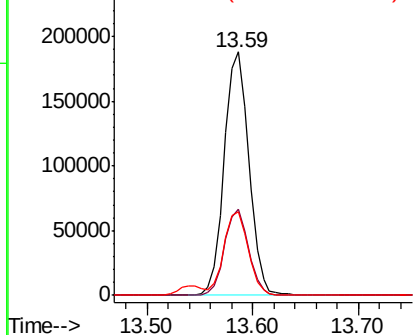


#41  
2-Chloronaphthalene  
Concen: 22.809 ng/ul  
RT: 13.59 min Scan# 1787  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

Tot Ion:162 Resp: 305365  
Ion Ratio Lower Upper  
162 100  
164 35.5 26.9 40.3  
127 34.2 27.8 41.8

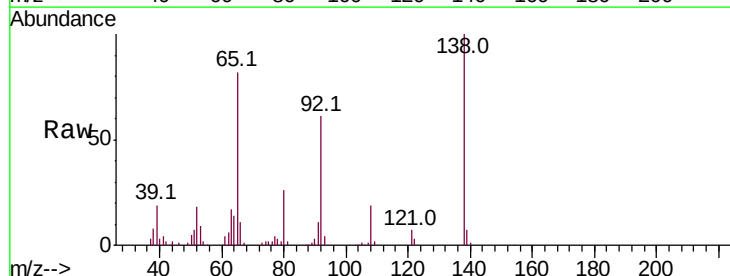


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 127.00 (126.70 to 127.70): E

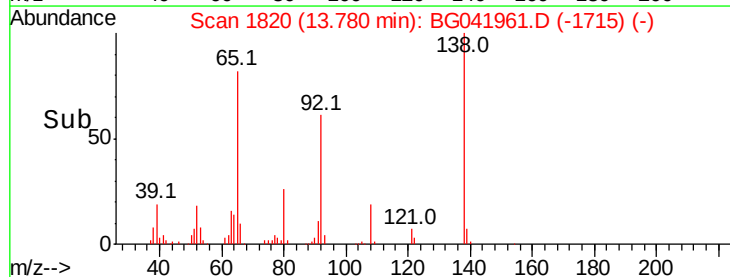
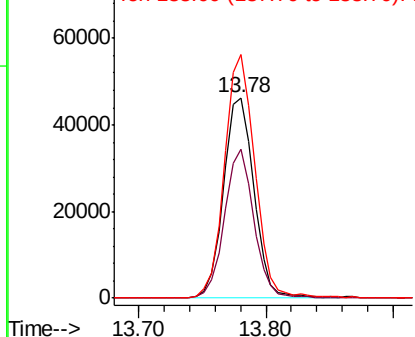


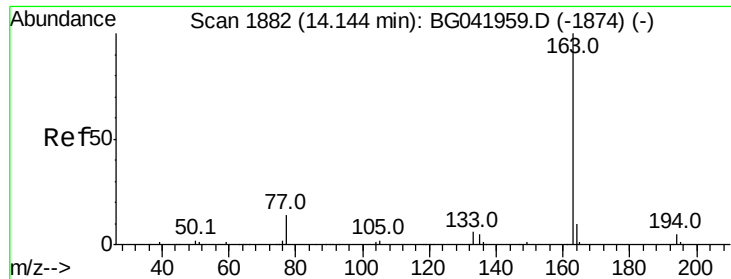
#42  
2-Nitroaniline  
Concen: 21.998 ng/ul  
RT: 13.78 min Scan# 1820  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

Tgt Ion: 65 Resp: 77043  
Ion Ratio Lower Upper  
65 100  
92 74.0 51.6 77.4  
138 121.3 94.1 141.1



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





#44

Dimethylphthalate

Concen: 20.315 ng/ul

RT: 14.16 min Scan# 1884

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

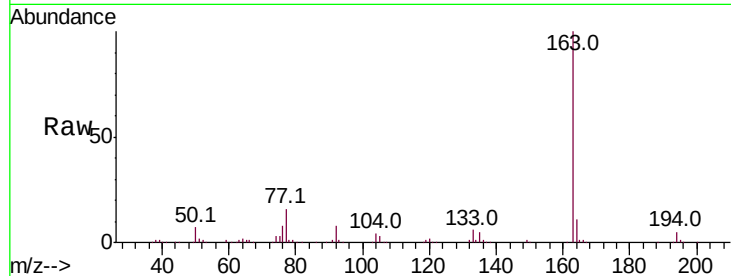
Tot Ion:163 Resp: 357717

Ion Ratio Lower Upper

163 100

194 5.2 4.2 6.2

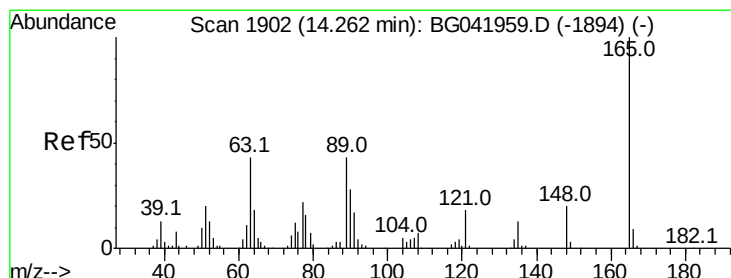
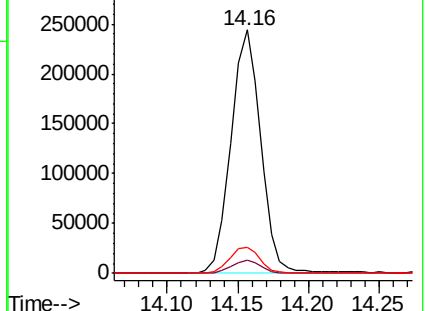
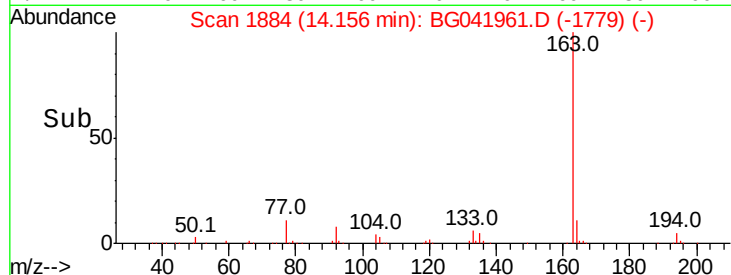
164 10.9 7.8 11.8



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



#45

2,6-Dinitrotoluene

Concen: 22.332 ng/ul

RT: 14.27 min Scan# 1904

Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

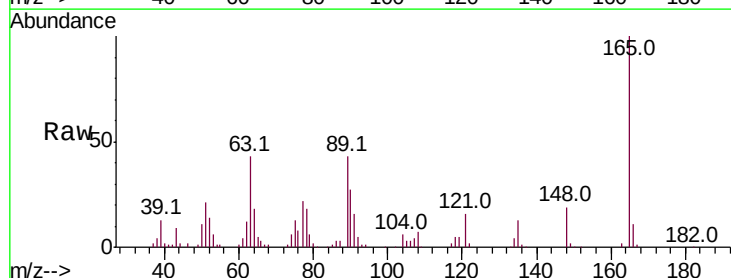
Tgt Ion:165 Resp: 85533

Ion Ratio Lower Upper

165 100

89 42.9 36.8 55.2

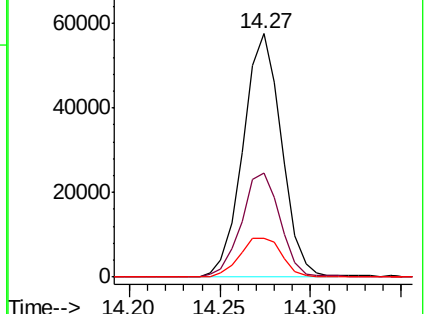
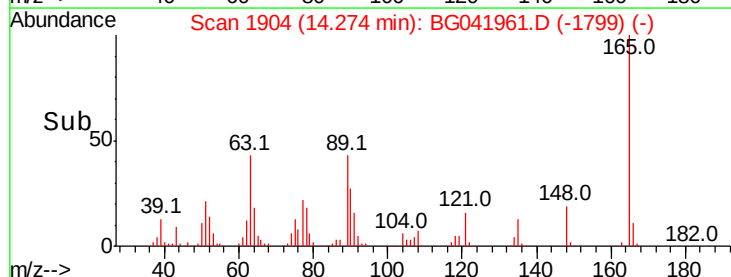
121 16.1 15.6 23.4

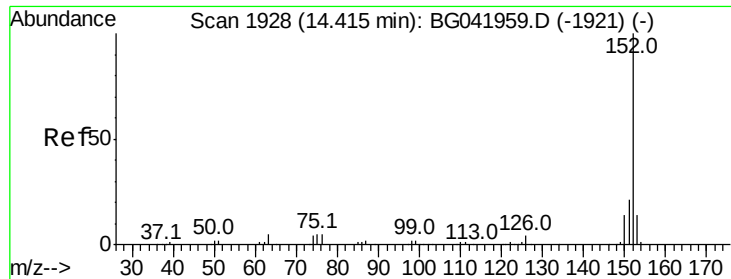


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG0

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 21.250 ng/ul

RT: 14.43 min Scan# 1931

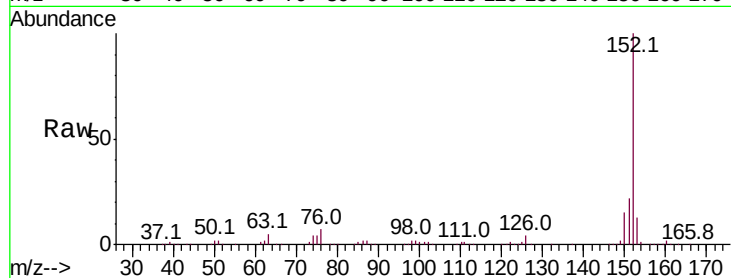
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion:152 Resp: 434479

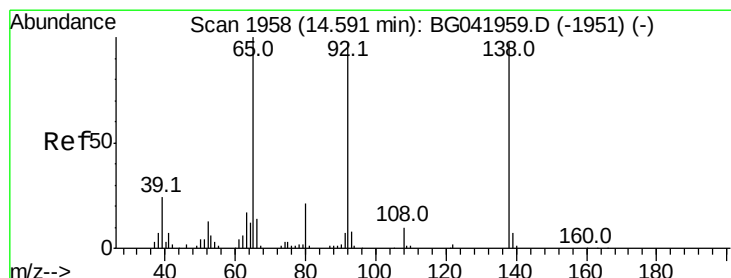
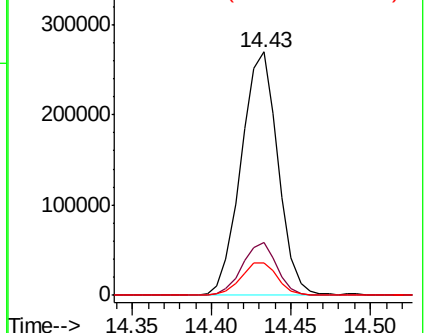
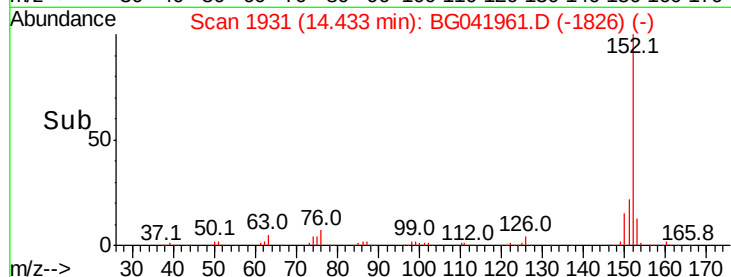
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.5  | 16.8  | 25.2  |
| 153 | 13.4  | 10.3  | 15.5  |



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



#48

3-Nitroaniline

Concen: 24.499 ng/ul

RT: 14.60 min Scan# 1960

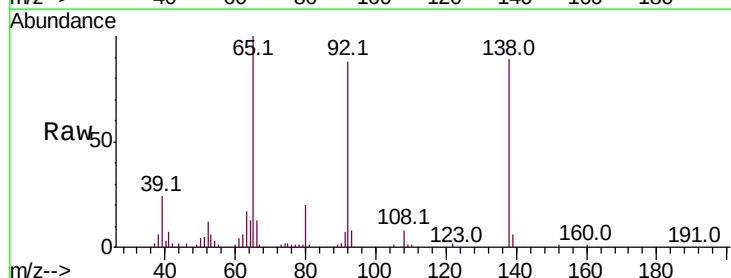
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion:138 Resp: 74829

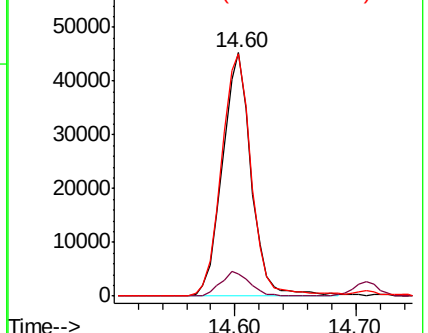
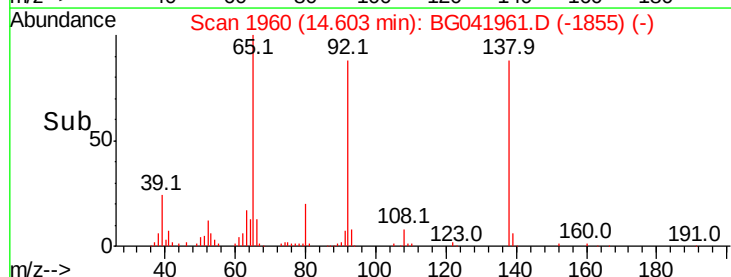
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 9.1   | 7.6   | 11.4  |
| 92  | 99.3  | 76.4  | 114.6 |

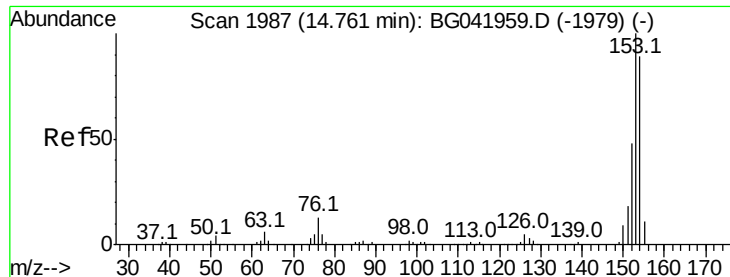


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#49

Acenaphthene

Concen: 21.529 ng/ul

RT: 14.77 min Scan# 1989

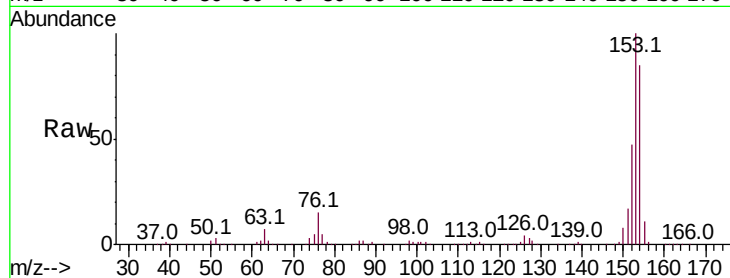
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion:153 Resp: 307794

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 46.9  | 37.8  | 56.8  |
| 154 | 84.7  | 69.4  | 104.2 |

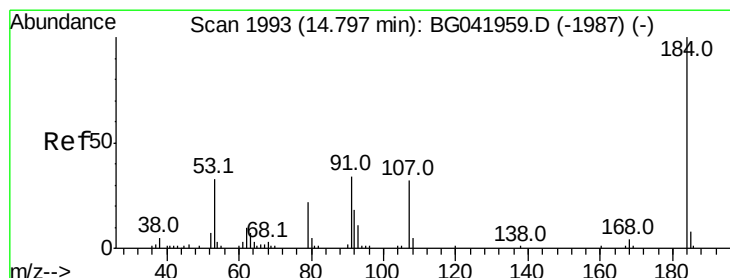
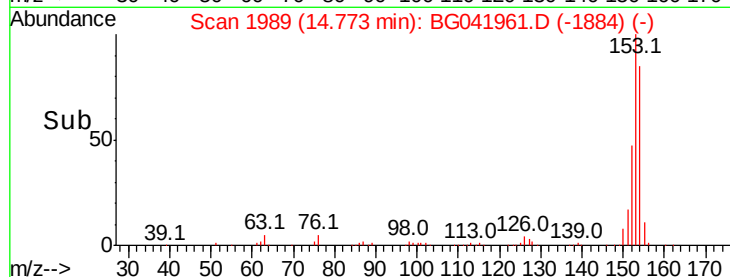
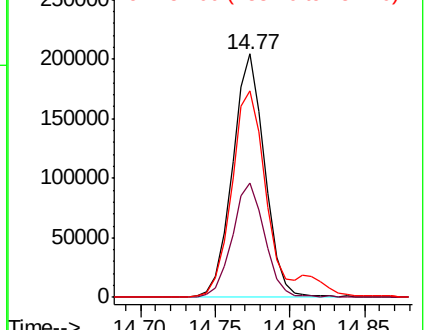


Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 25.704 ng/ul

RT: 14.81 min Scan# 1996

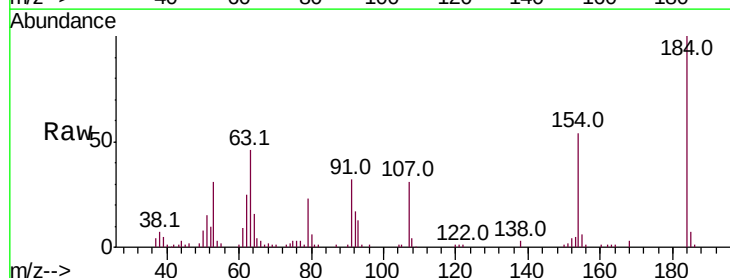
Delta R.T. 0.02 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion:184 Resp: 53868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 63  | 45.9  | 32.6  | 49.0  |
| 154 | 54.5  | 41.8  | 62.6  |

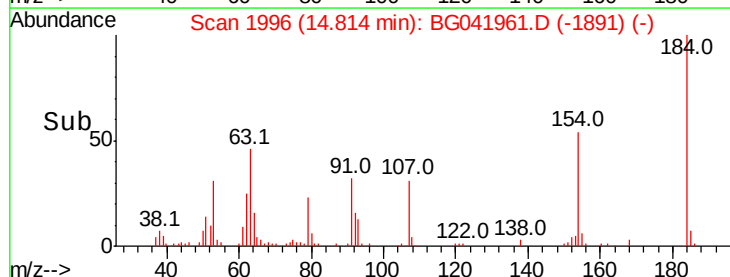
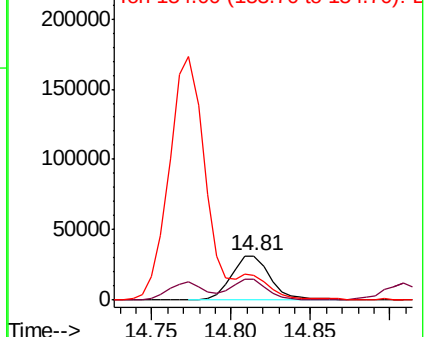


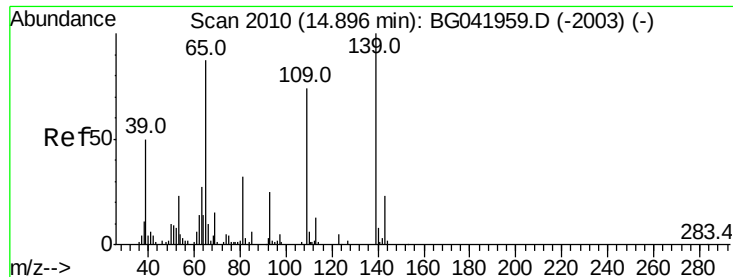
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

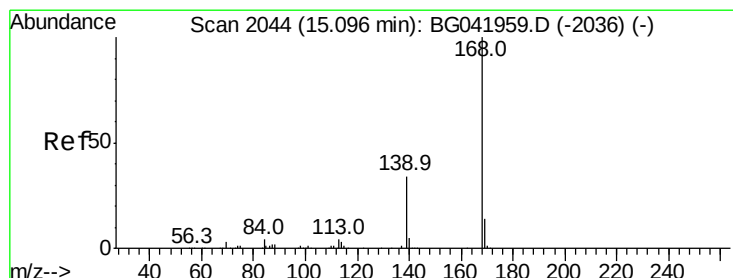
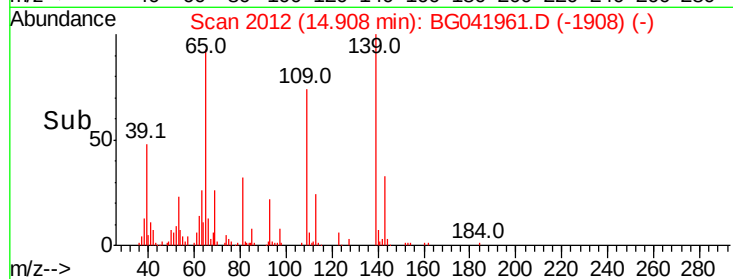
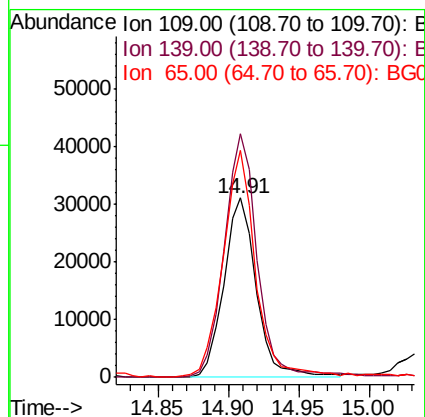
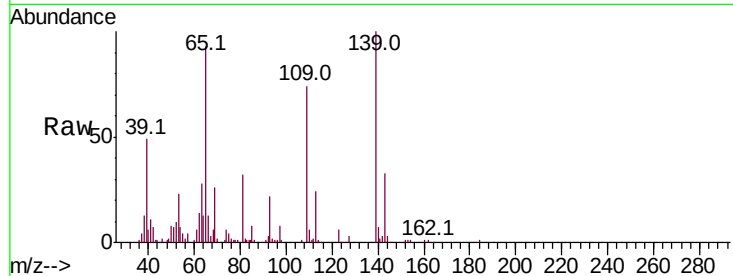
Ion 154.00 (153.70 to 154.70): E





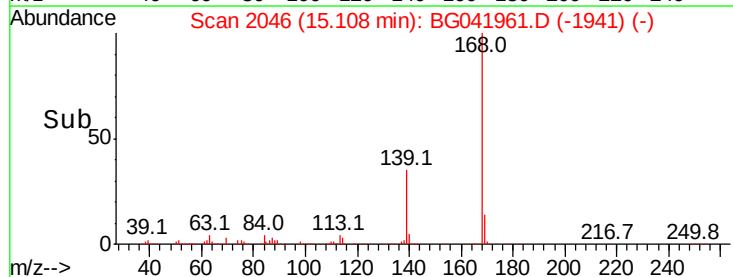
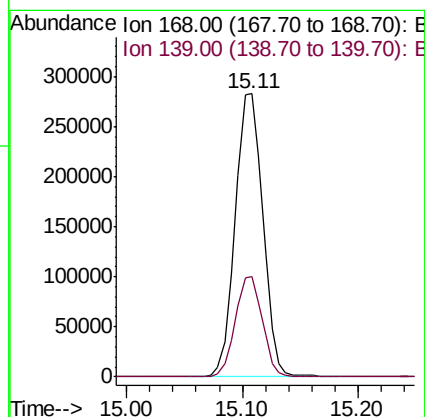
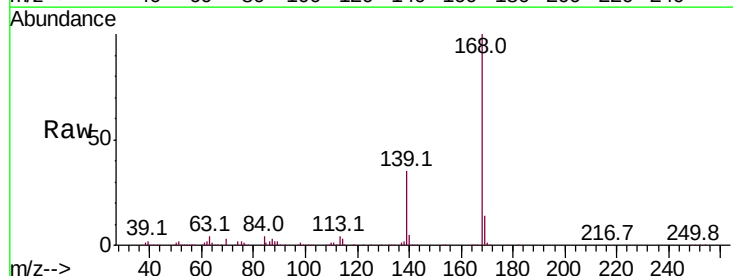
#52  
4-Nitrophenol  
Concen: 22.571 ng/ul  
RT: 14.91 min Scan# 2012  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

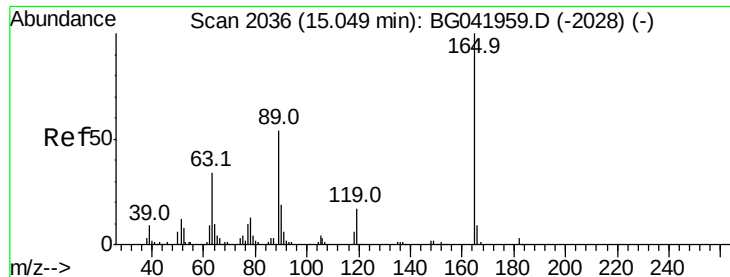
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 135.6 | 111.8 | 167.6 |
| 65      | 126.7 | 103.6 | 155.4 |



#53  
Dibenzofuran  
Concen: 22.020 ng/ul  
RT: 15.11 min Scan# 2046  
Delta R.T. 0.02 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.2  | 27.3  | 40.9  |





#54

2,4-Dinitrotoluene

Concen: 21.889 ng/ul

RT: 15.06 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

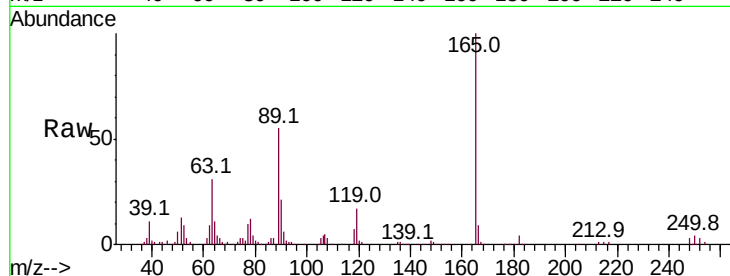
Tot Ion:165 Resp: 121892

Ion Ratio Lower Upper

165 100

63 31.0 29.4 44.2

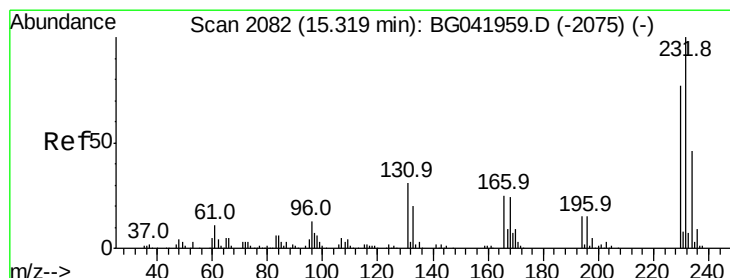
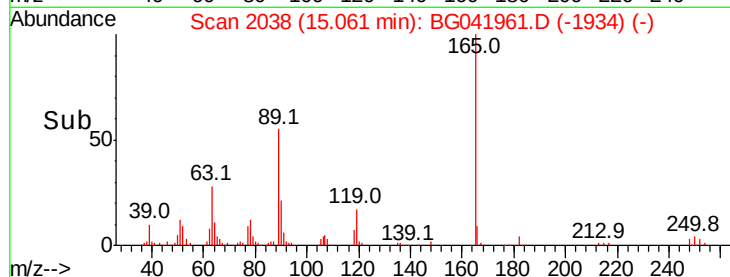
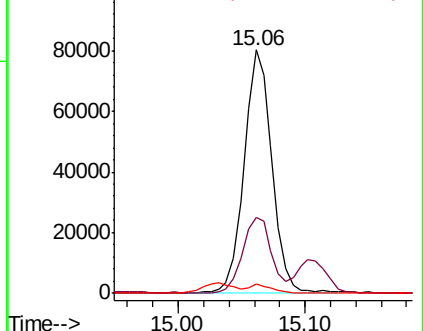
182 3.6 2.6 4.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 22.694 ng/ul

RT: 15.33 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion:232 Resp: 121378

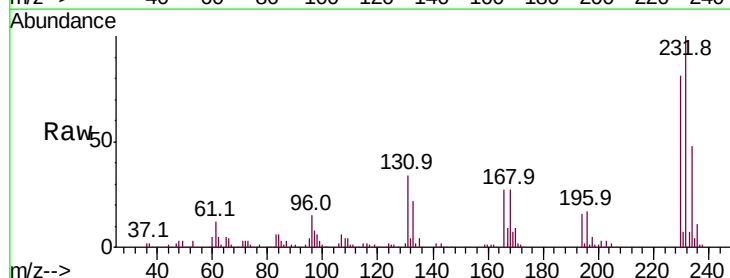
Ion Ratio Lower Upper

232 100

131 33.8 27.1 40.7

130 1.9 1.3 1.9#

166 26.9 21.4 32.0

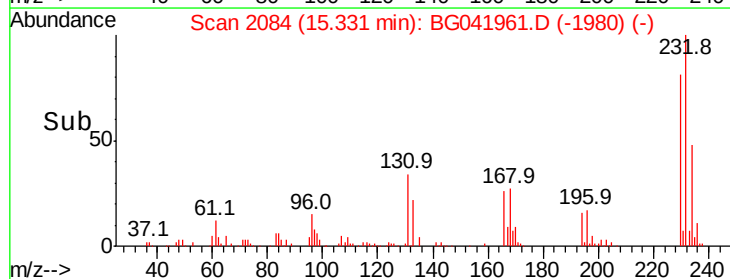
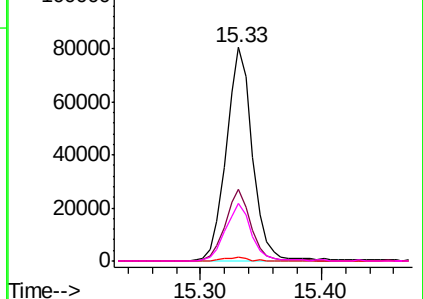


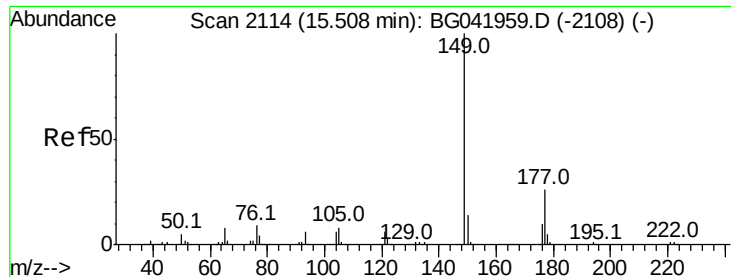
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

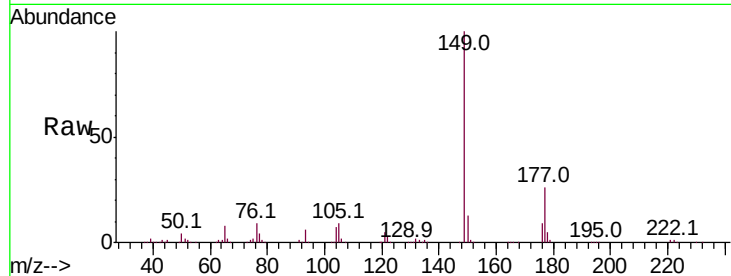
Ion 166.00 (165.70 to 166.70): E



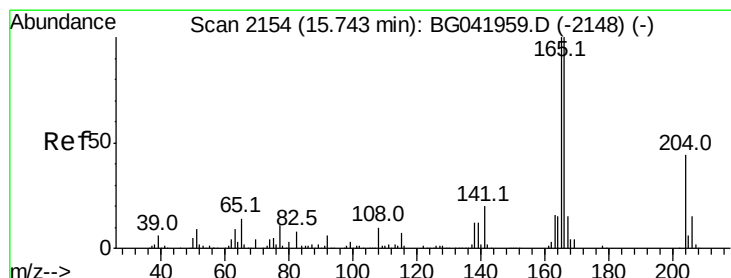
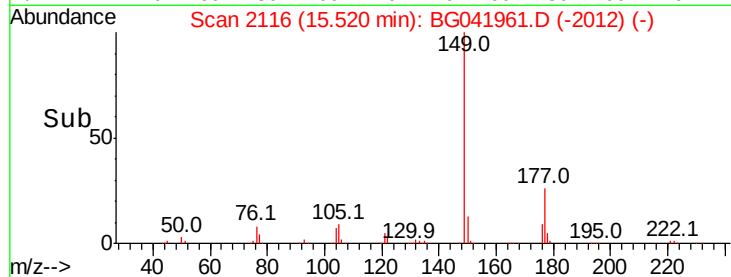
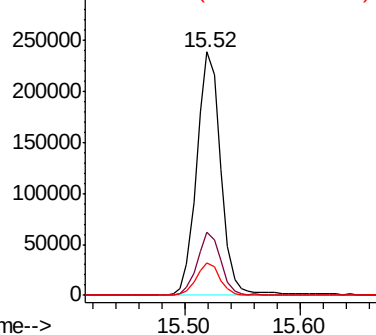


#56  
Diethylphthalate  
Concen: 19.759 ng/ul  
RT: 15.52 min Scan# 2116  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 25.8  | 19.4  | 29.2  |
| 150     | 13.4  | 10.2  | 15.4  |

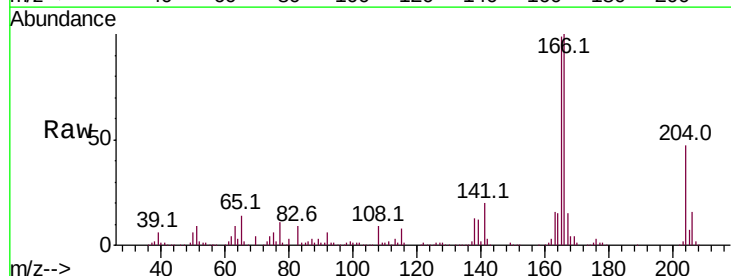


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

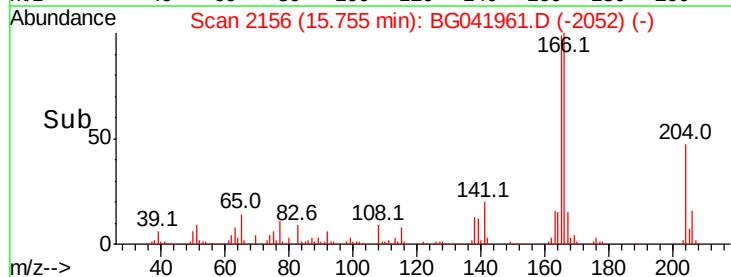
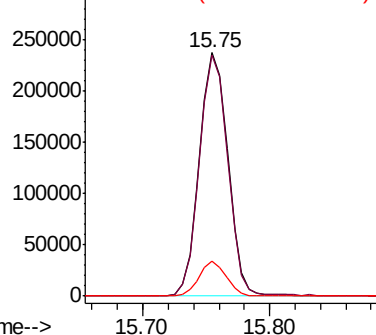


#58  
Fluorene  
Concen: 21.458 ng/ul  
RT: 15.75 min Scan# 2156  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

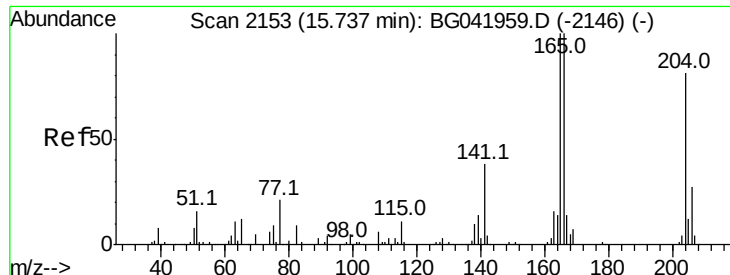
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.2  | 81.1  | 121.7 |
| 167     | 14.5  | 11.0  | 16.4  |



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

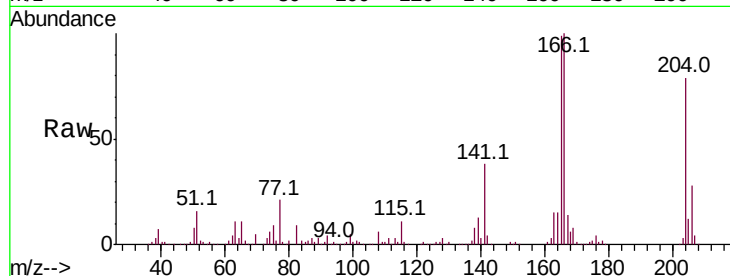






#59  
 4-Chlorophenyl-phenylether  
 Concen: 22.180 ng/ul  
 RT: 15.75 min Scan# 2155  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.1  | 27.6  | 41.4  |
| 141     | 48.4  | 39.0  | 58.6  |

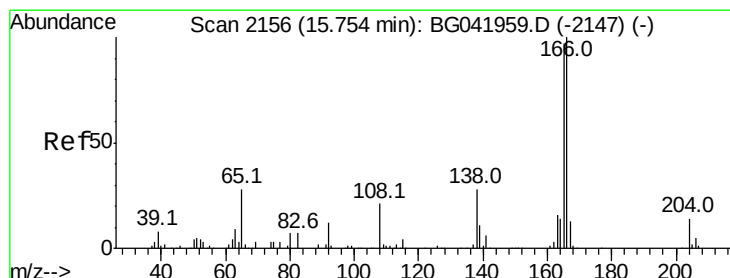
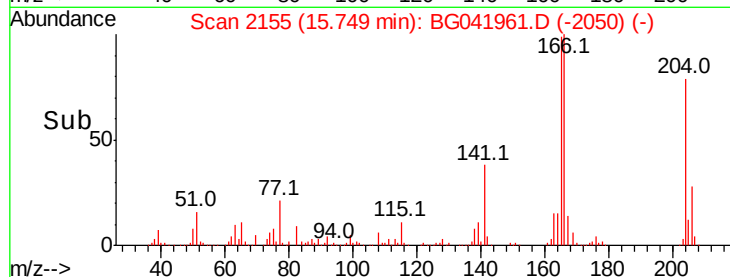
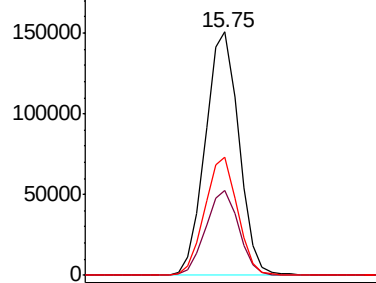


Abundance

Ion 204.00 (203.70 to 204.70): E

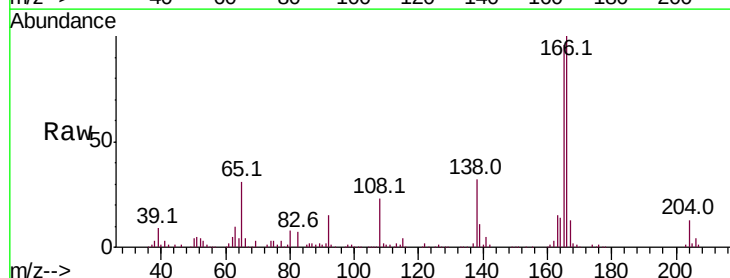
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#60  
 4-Nitroaniline  
 Concen: 23.222 ng/ul  
 RT: 15.77 min Scan# 2158  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 45.2  | 34.6  | 51.8  |
| 108     | 71.5  | 54.2  | 81.2  |

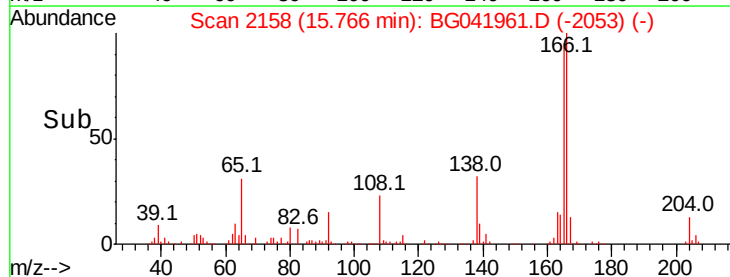
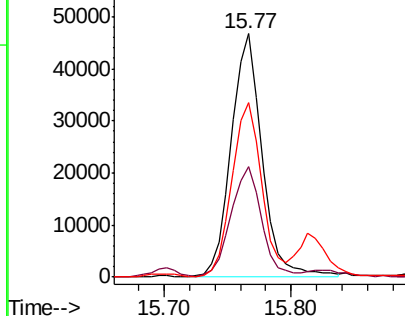


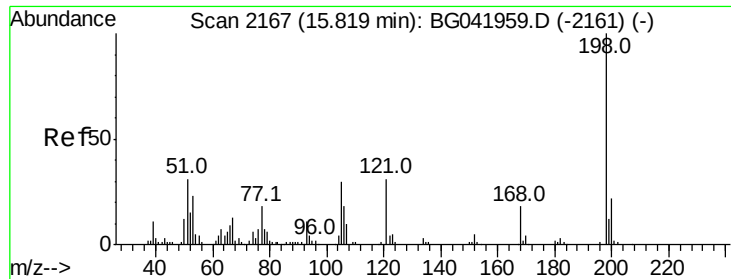
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

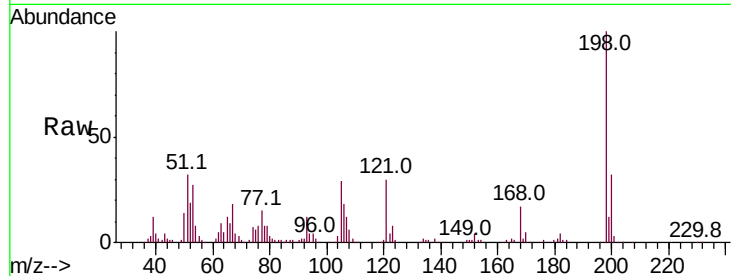
Ion 108.00 (107.70 to 108.70): E



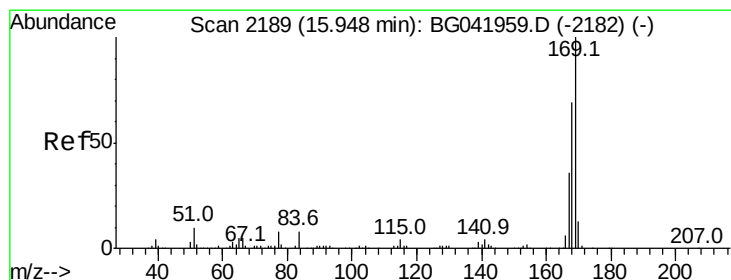
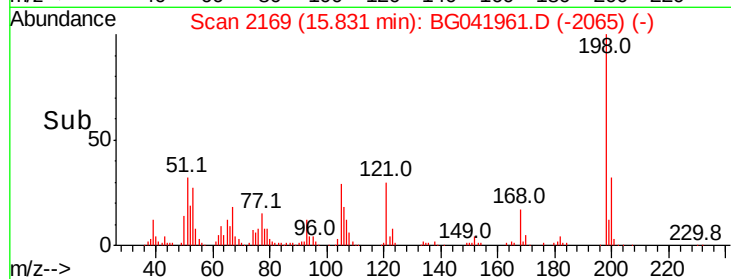
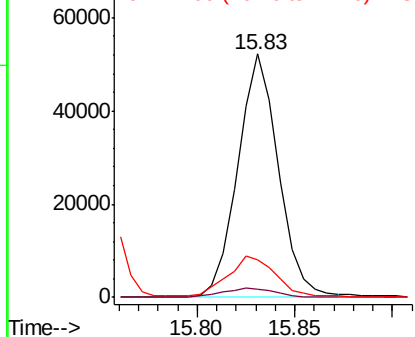


#63  
4,6-Dinitro-2-methylphenol  
Concen: 21.373 ng/ul  
RT: 15.83 min Scan# 2169  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 3.6   | 3.4   | 5.0   |
| 77      | 15.2  | 13.2  | 19.8  |

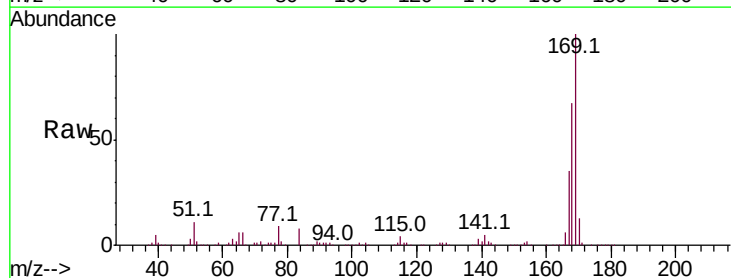


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 77.00 (76.70 to 77.70): B

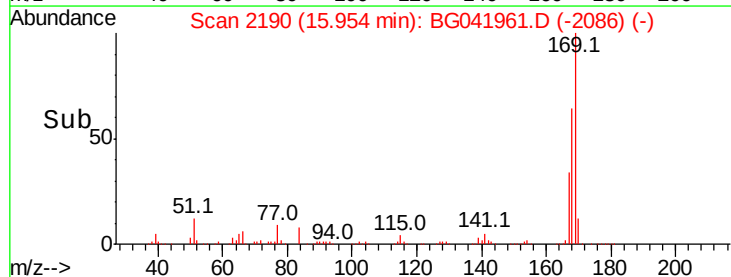
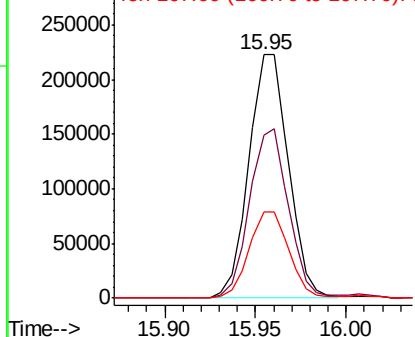


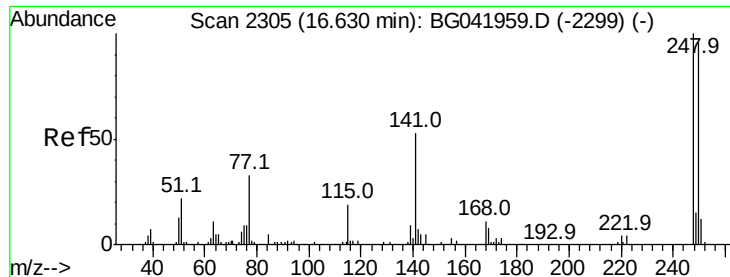
#64  
N-Nitrosodiphenylamine  
Concen: 22.481 ng/ul  
RT: 15.95 min Scan# 2190  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.2  | 55.0  | 82.4  |
| 167     | 35.3  | 29.5  | 44.3  |



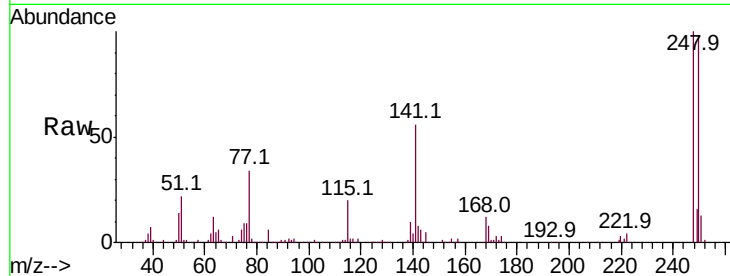
Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



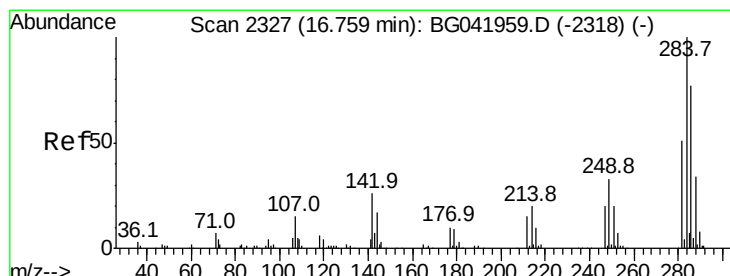
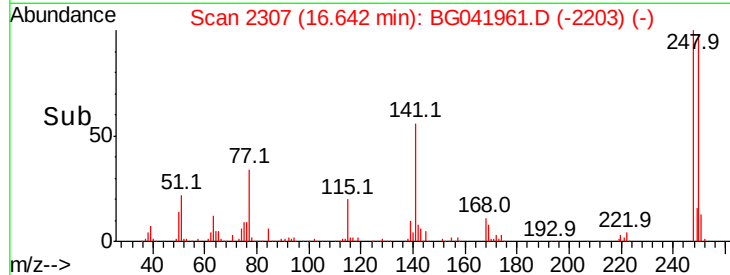
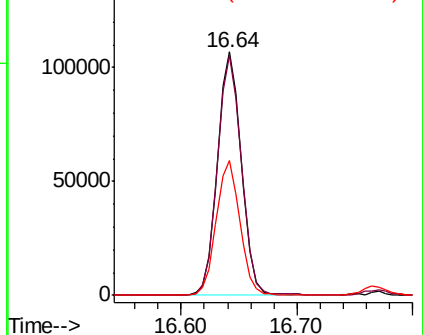


#65  
4-Bromophenyl-phenylether  
Concen: 22.763 ng/ul  
RT: 16.64 min Scan# 2307  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.4  | 76.1  | 114.1 |
| 141     | 55.6  | 46.8  | 70.2  |

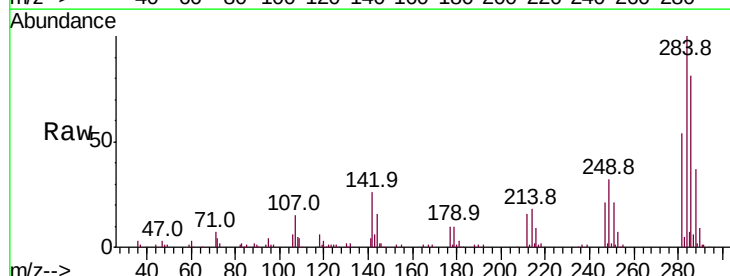


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

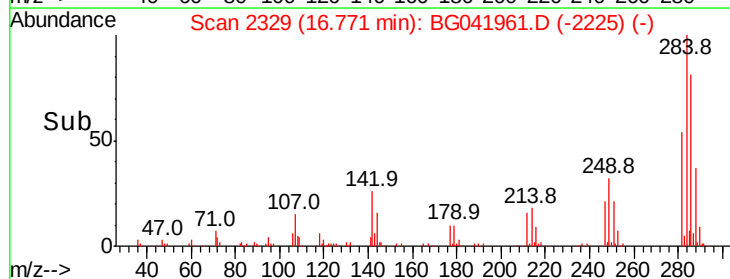
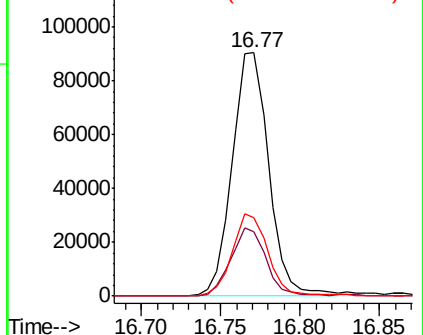


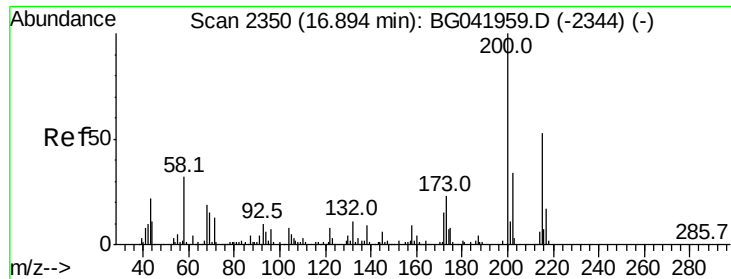
#66  
Hexachlorobenzene  
Concen: 21.501 ng/ul  
RT: 16.77 min Scan# 2329  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.5  | 24.4  | 36.6  |
| 249     | 32.2  | 27.2  | 40.8  |



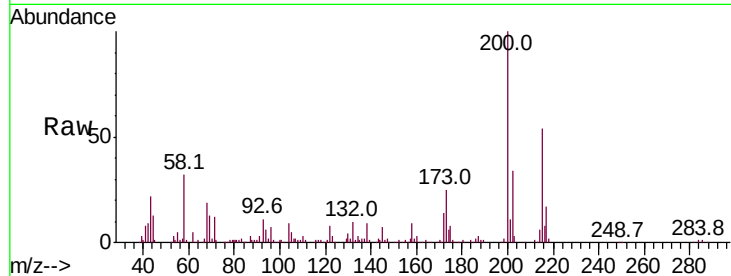
Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





#67  
Atrazine  
Concen: 20.270 ng/ul  
RT: 16.91 min Scan# 2352  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.5  | 19.0  | 28.6  |
| 215     | 54.3  | 43.0  | 64.6  |

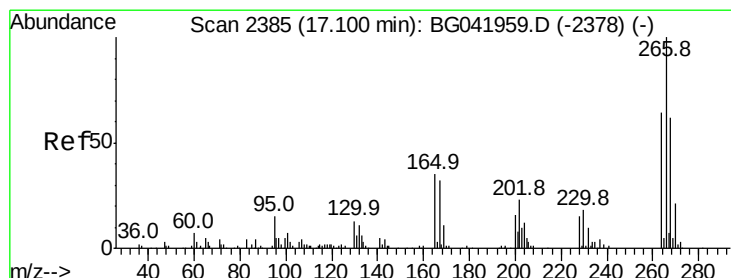
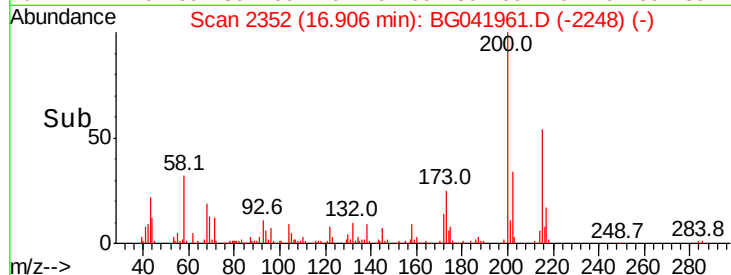
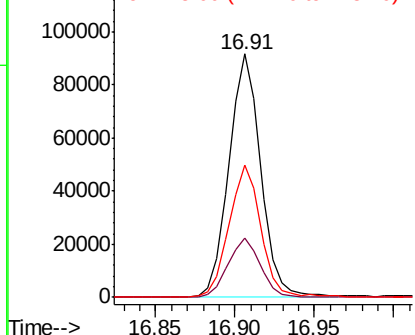


Abundance

Ion 200.00 (199.70 to 200.70): E

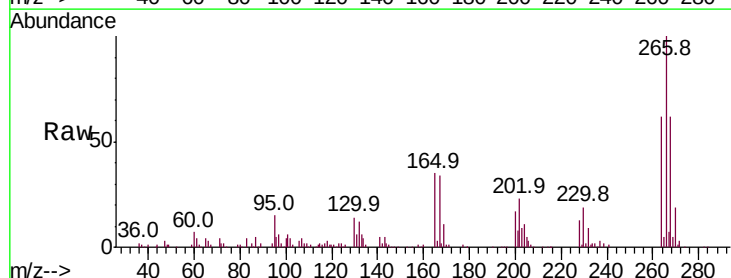
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#68  
Pentachlorophenol  
Concen: 27.097 ng/ul  
RT: 17.11 min Scan# 2386  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.4  | 52.3  | 78.5  |
| 268     | 61.7  | 53.2  | 79.8  |

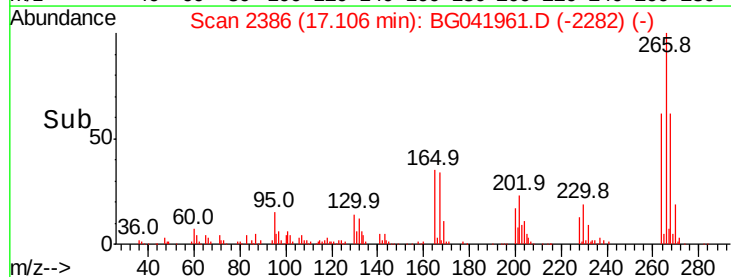
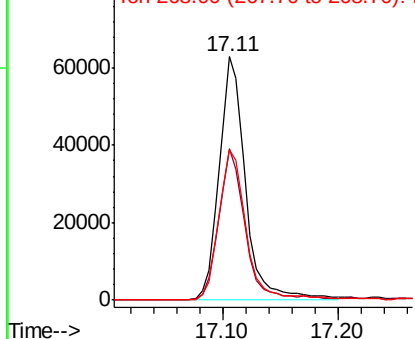


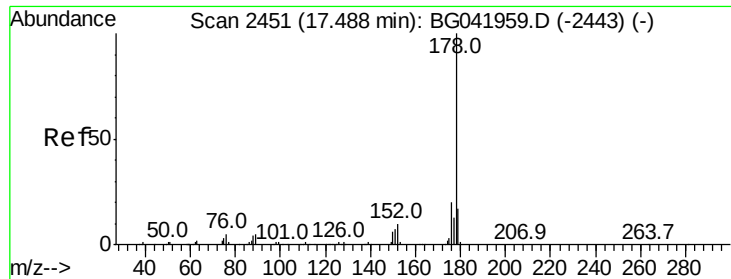
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 21.947 ng/ul

RT: 17.50 min Scan# 2453

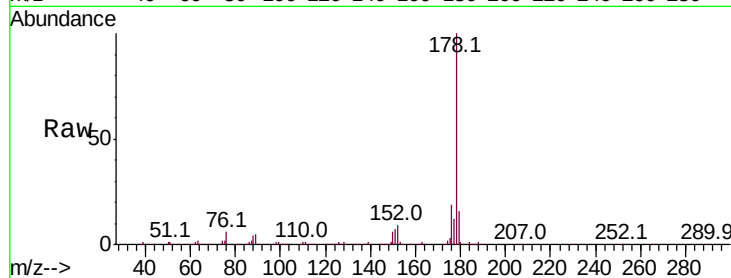
Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion:178 Resp: 609471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 12.8  | 19.2  |
| 176 | 19.5  | 15.4  | 23.2  |

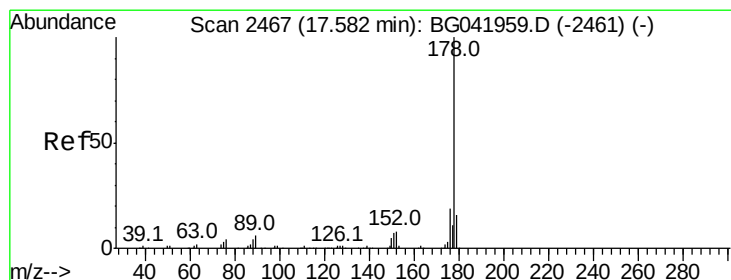
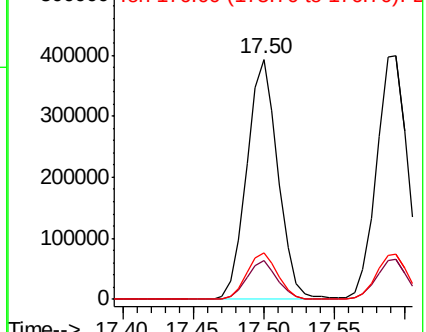
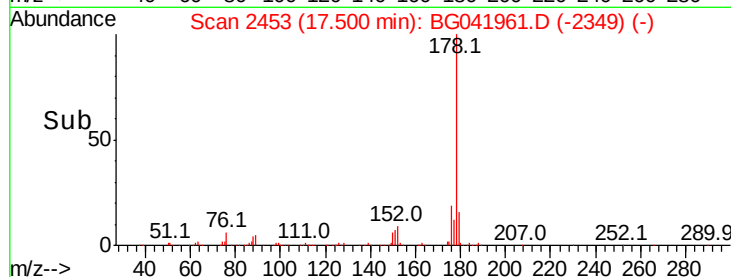


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 21.798 ng/ul

RT: 17.59 min Scan# 2469

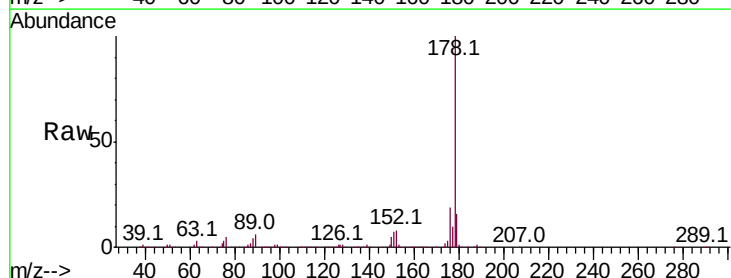
Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tgt Ion:178 Resp: 613965

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.4  | 13.4  | 20.0  |
| 176 | 18.8  | 15.4  | 23.2  |

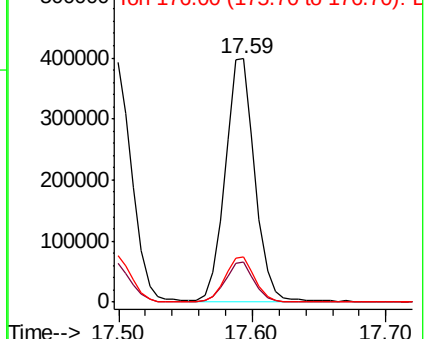
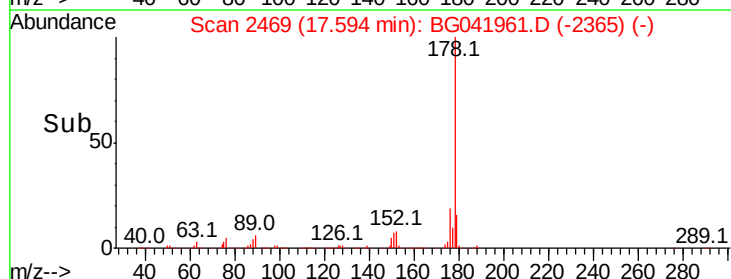


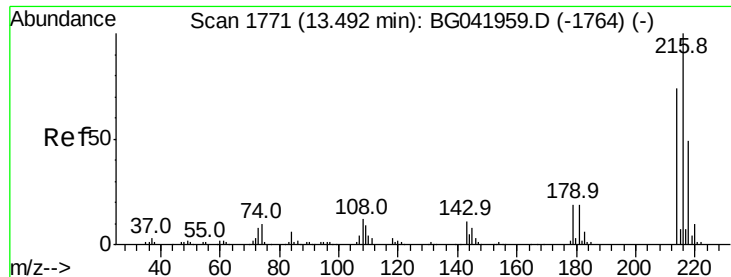
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

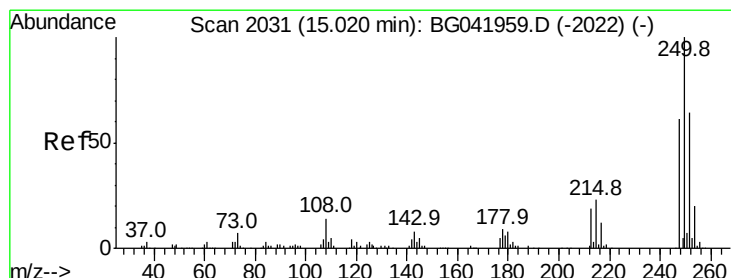
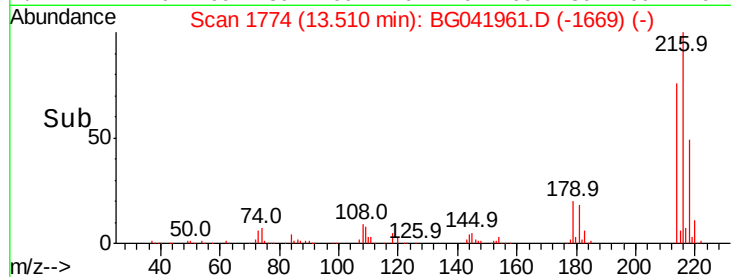
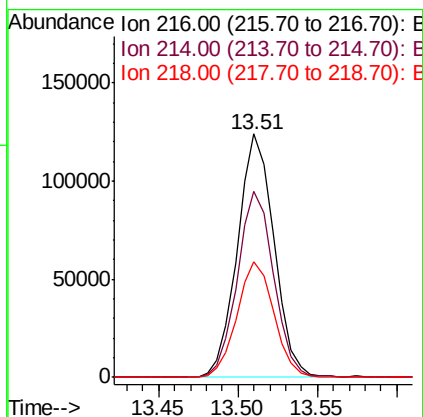
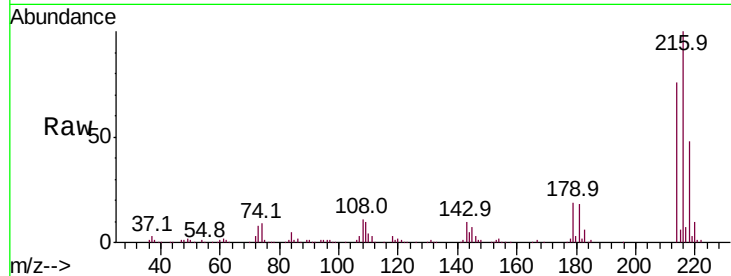
Ion 176.00 (175.70 to 176.70): E





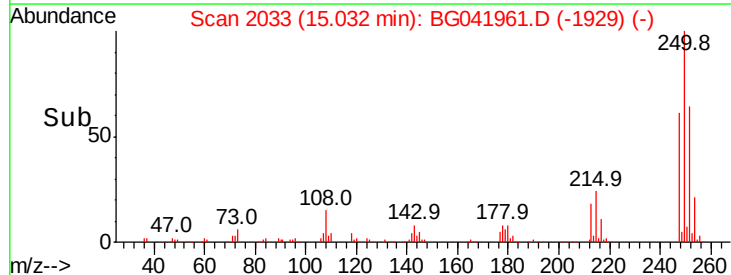
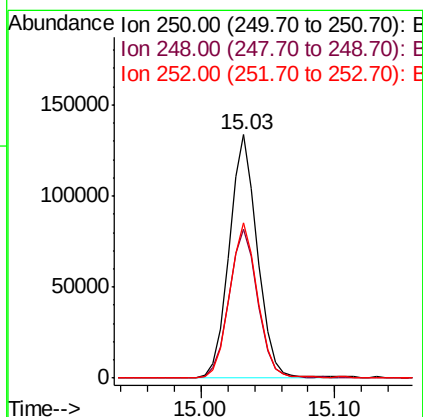
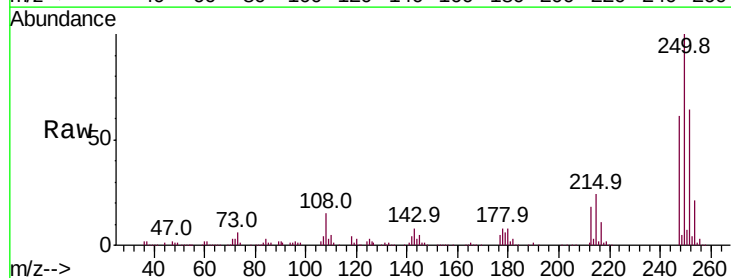
#72  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 24.575 ng/uL  
 RT: 13.51 min Scan# 1774  
 Delta R.T. 0.02 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

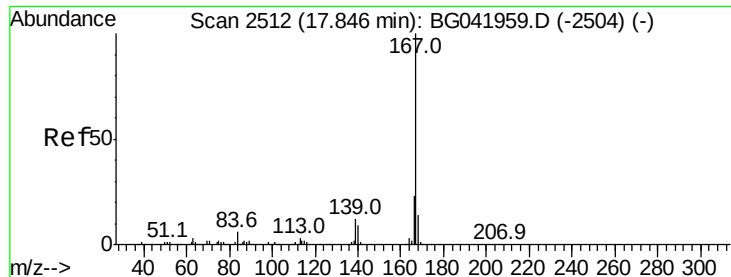
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 76.4  | 61.1  | 91.7  |
| 218     | 47.7  | 39.4  | 59.2  |



#73  
 Pentachlorobenzene  
 Concen: 24.010 ng/uL  
 RT: 15.03 min Scan# 2033  
 Delta R.T. 0.01 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 61.3  | 50.9  | 76.3  |
| 252     | 63.6  | 52.0  | 78.0  |





#74

Carbazole

Concen: 22.795 ng/ul

RT: 17.86 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

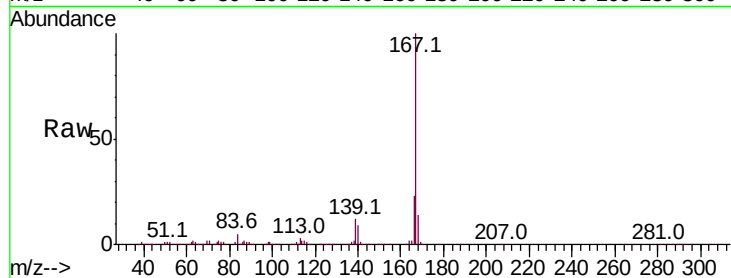
Tot Ion:167 Resp: 531839

Ion Ratio Lower Upper

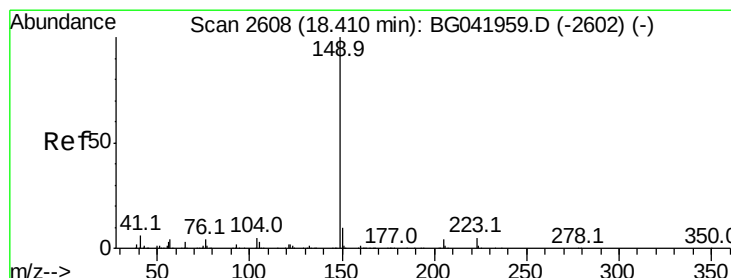
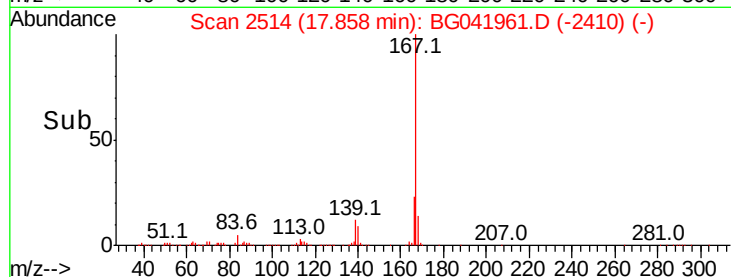
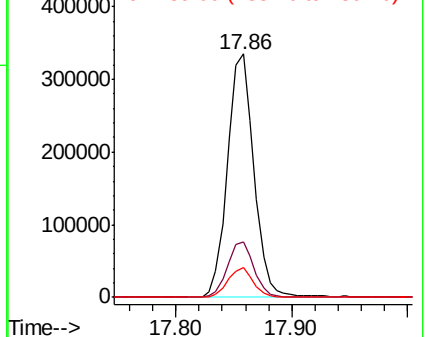
167 100

166 22.9 18.2 27.4

139 12.2 9.6 14.4



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



#75

Di-n-butylphthalate

Concen: 19.879 ng/ul

RT: 18.42 min Scan# 2609

Delta R.T. 0.00 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

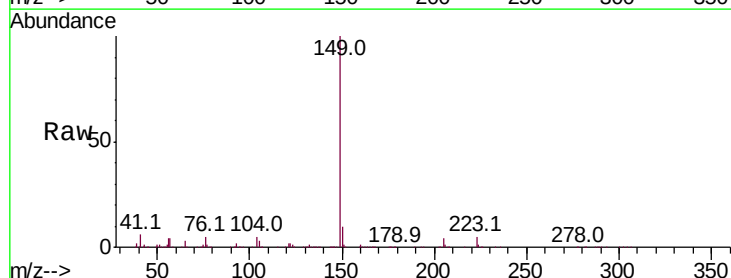
Tgt Ion:149 Resp: 571639

Ion Ratio Lower Upper

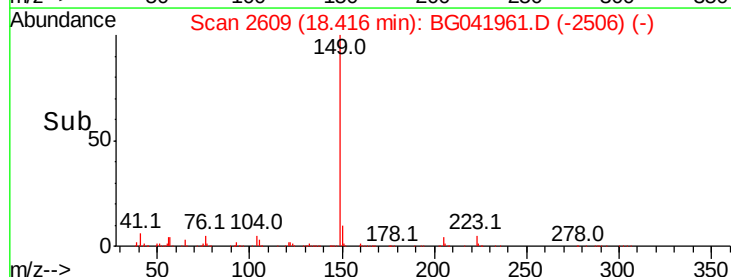
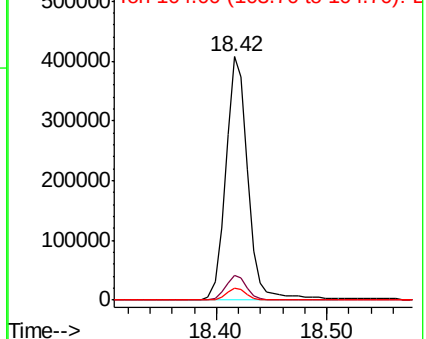
149 100

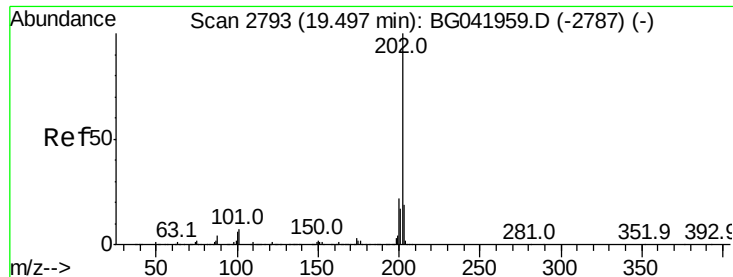
150 10.3 8.3 12.5

104 5.0 3.9 5.9



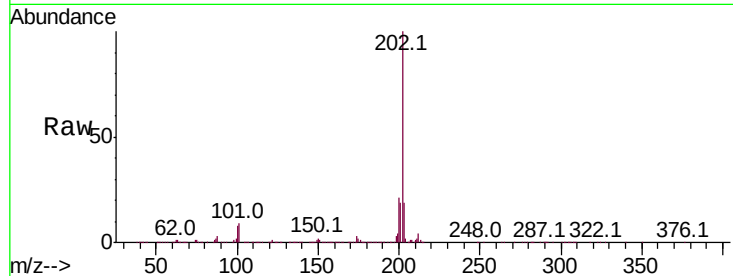
Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



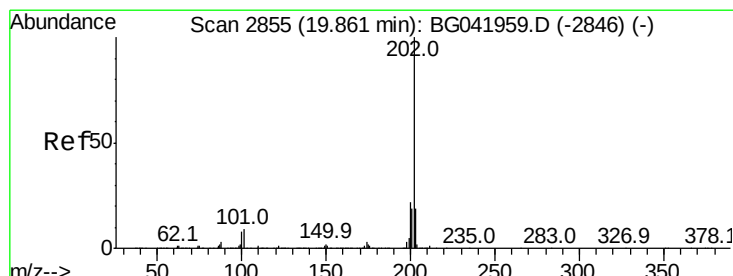
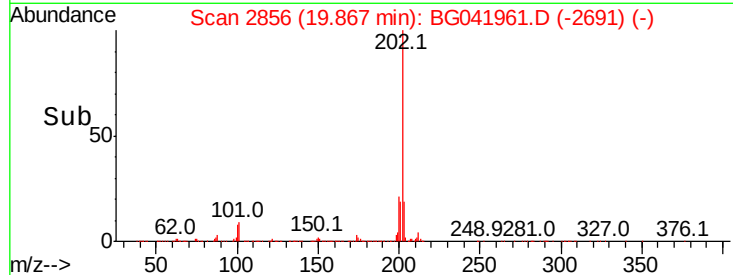
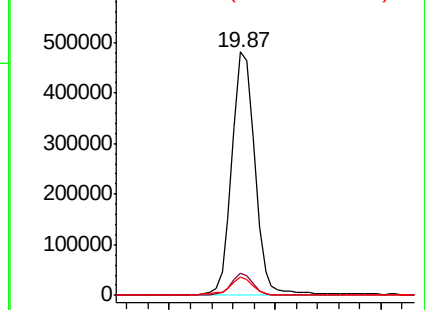


#76  
 Fluoranthene  
 Concen: 22.550 ng/ul  
 RT: 19.87 min Scan# 2856  
 Delta R.T. 0.37 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 723554 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.1   | 6.7   | 10.1   |
| 100      | 7.6   | 5.3   | 7.9    |

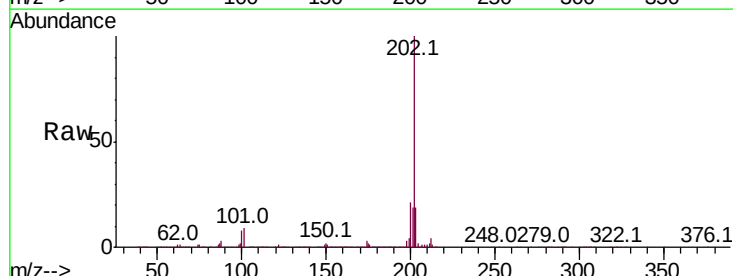


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

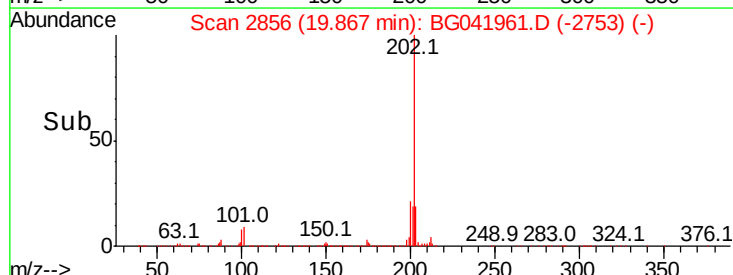
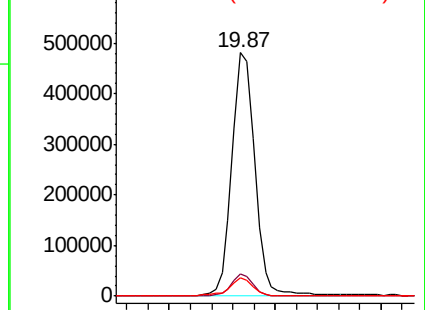


#79  
 Pyrene  
 Concen: 21.586 ng/ul  
 RT: 19.87 min Scan# 2856  
 Delta R.T. 0.00 min  
 Lab File: BG041961.D  
 Acq: 5 Aug 2019 12:13

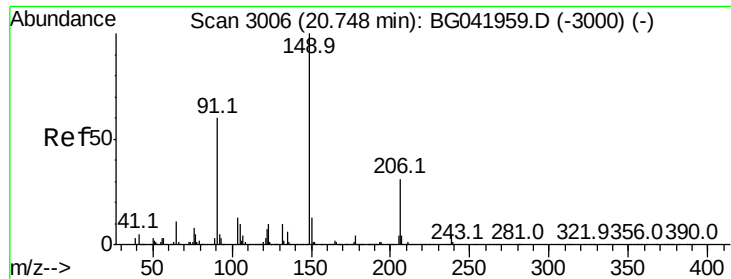
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 723554 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.1   | 7.6   | 11.4   |
| 100      | 7.6   | 6.5   | 9.7    |



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

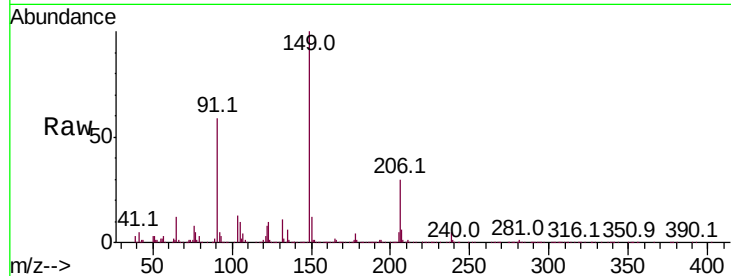




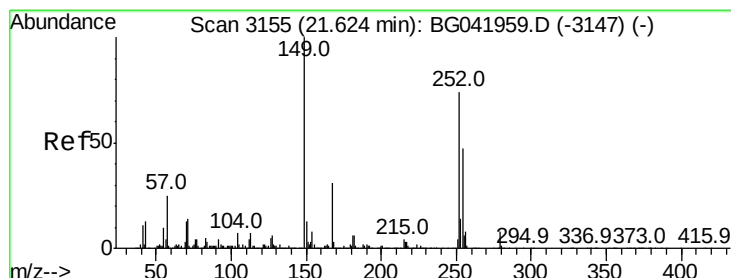
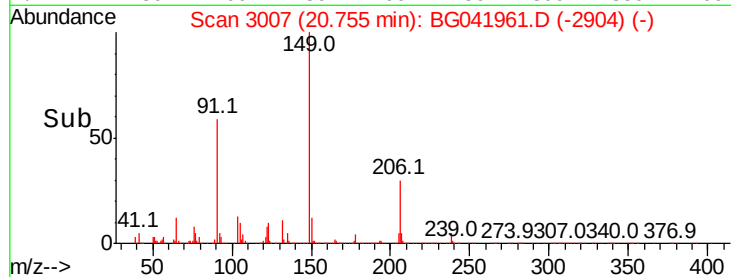
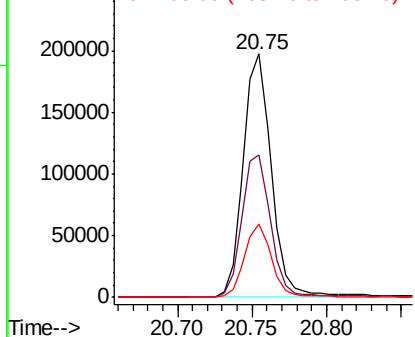


#80  
Butylbenzylphthalate  
Concen: 19.417 ng/ul  
RT: 20.75 min Scan# 3007  
Delta R.T. 0.00 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 58.6  | 49.5  | 74.3  |
| 206     | 30.0  | 21.3  | 31.9  |

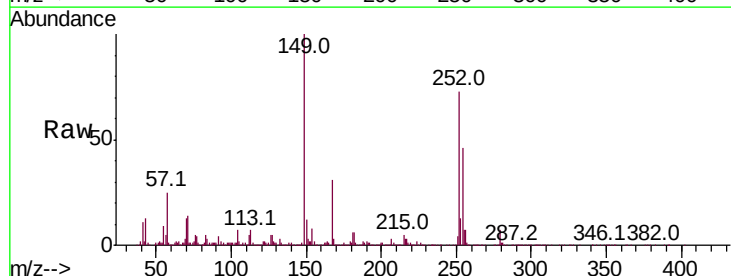


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

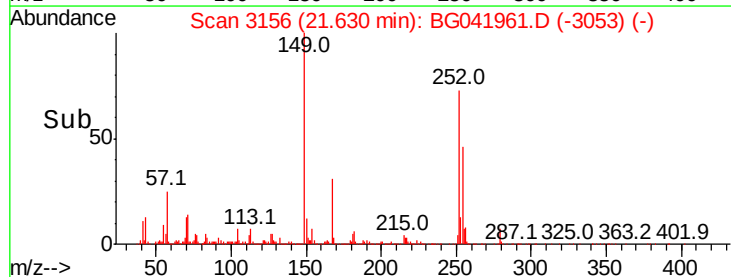
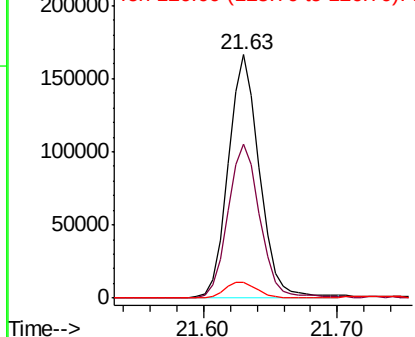


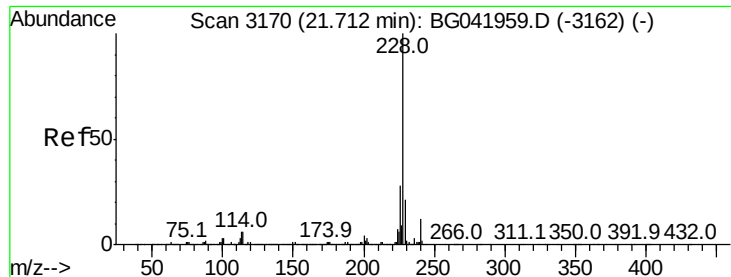
#81  
3,3'-Dichlorobenzidine  
Concen: 23.859 ng/ul  
RT: 21.63 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.1  | 53.1  | 79.7  |
| 126     | 6.7   | 6.9   | 10.3  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#82

Benzo(a)anthracene

Concen: 21.792 ng/ul

RT: 21.72 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

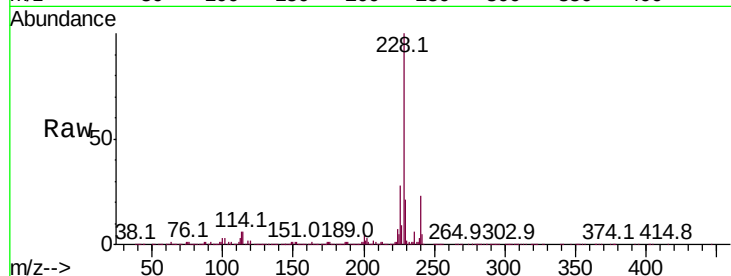
Tot Ion:228 Resp: 752935

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 20.7  | 17.0  | 25.6  |
| 226 | 27.7  | 23.3  | 34.9  |

228 100

229 20.7 17.0 25.6

226 27.7 23.3 34.9

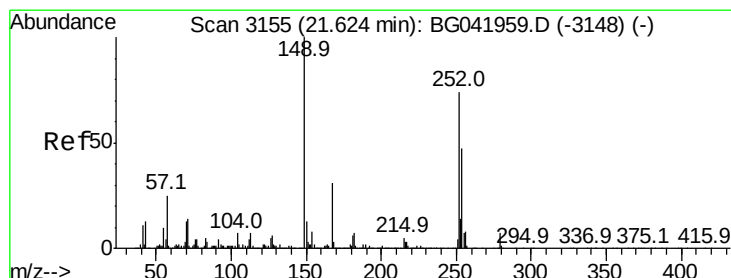
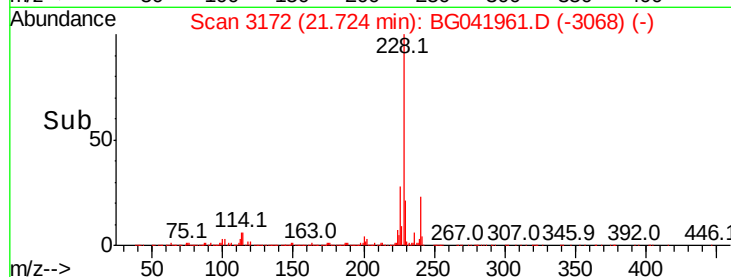
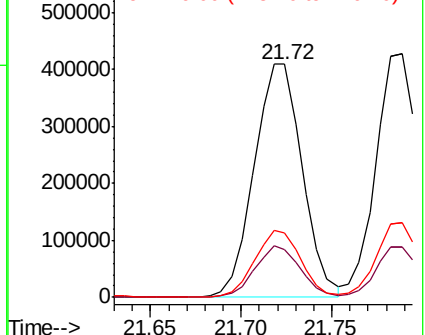


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 19.002 ng/ul

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

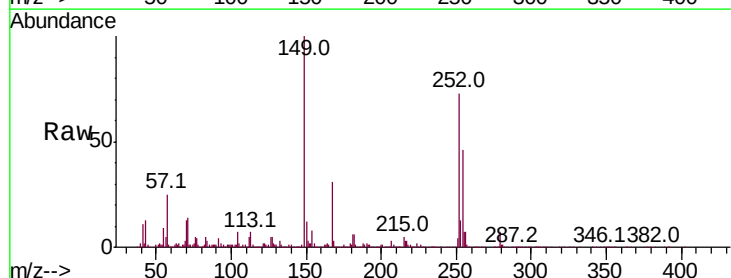
Tgt Ion:149 Resp: 342066

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 30.6  | 25.0  | 37.4  |
| 279 | 7.0   | 5.2   | 7.8   |

149 100

167 30.6 25.0 37.4

279 7.0 5.2 7.8

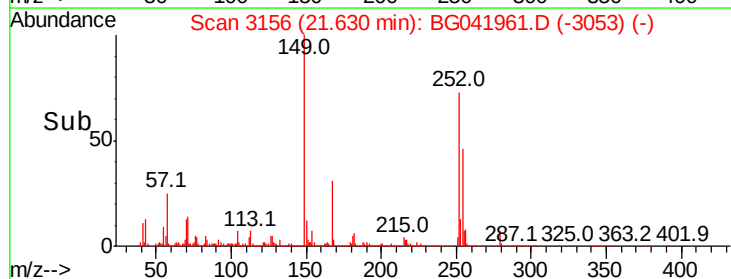
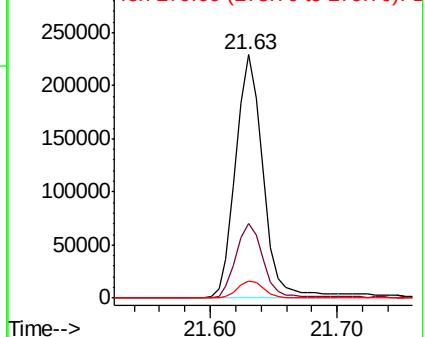


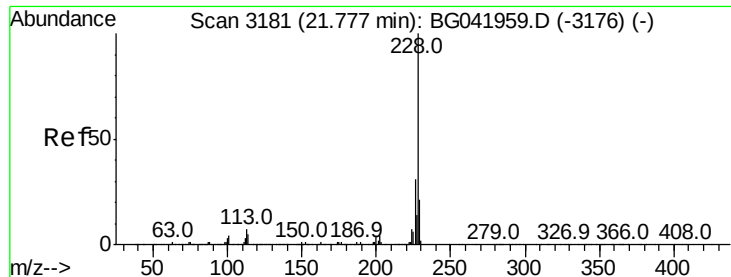
Abundance

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





#84

Chrysene

Concen: 22.040 ng/ul

RT: 21.79 min Scan# 3183

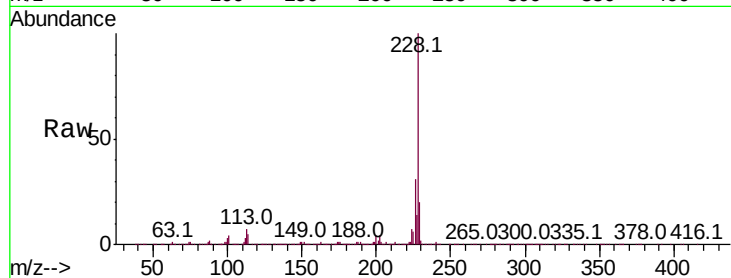
Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion:228 Resp: 710724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 25.7  | 38.5  |
| 229 | 20.5  | 16.6  | 24.8  |

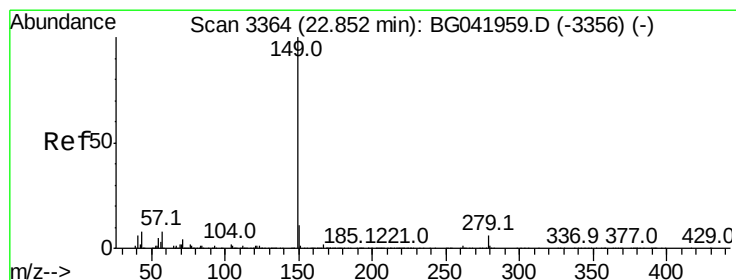
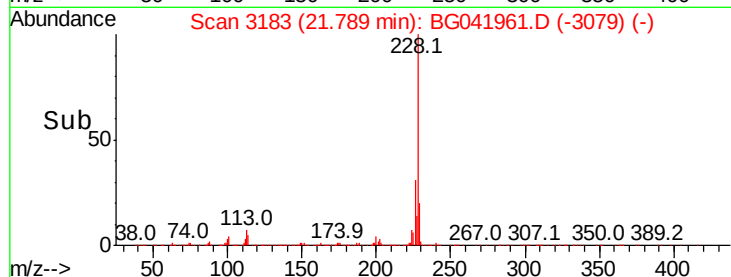
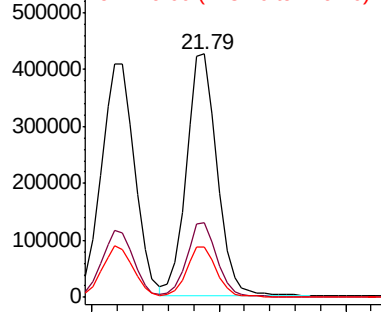


Abundance

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



#86

Di-n-octyl phthalate

Concen: 25.020 ng/ul

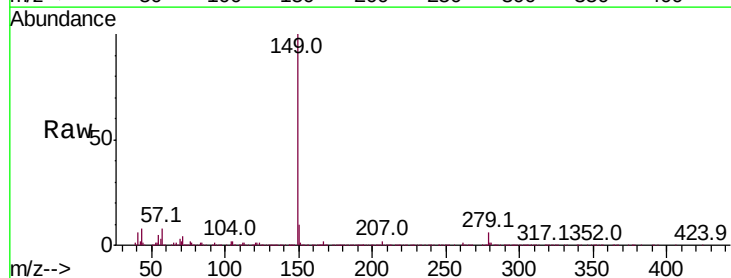
RT: 22.86 min Scan# 3366

Delta R.T. 0.00 min

Lab File: BG041961.D

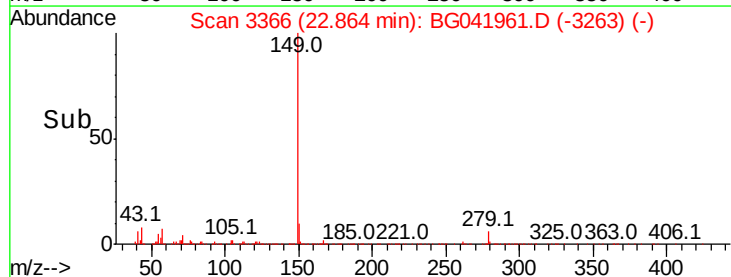
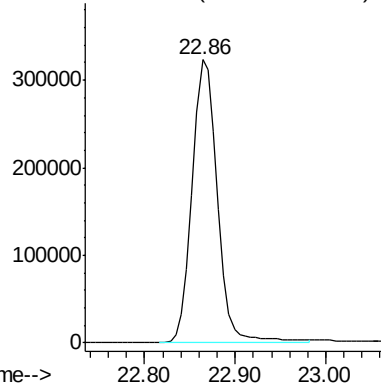
Acq: 5 Aug 2019 12:13

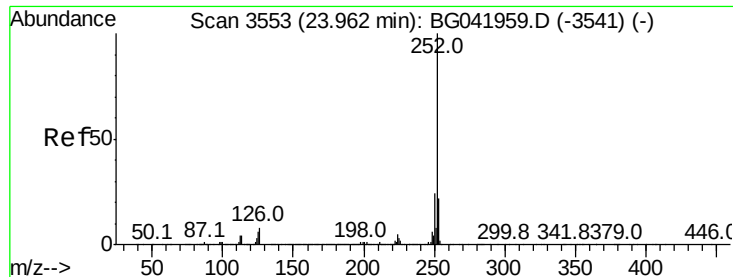
Tgt Ion:149 Resp: 622979



Abundance

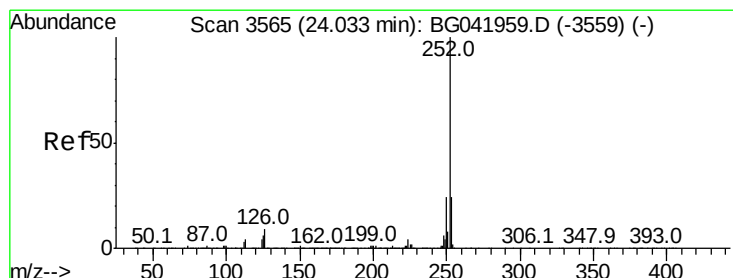
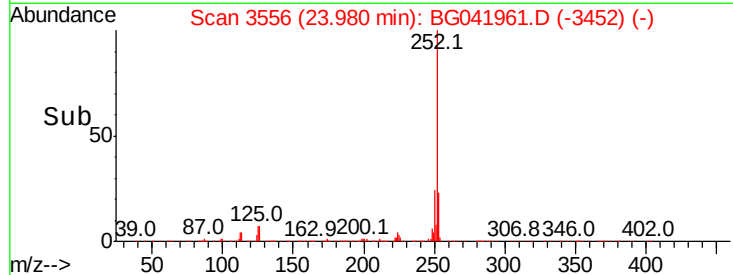
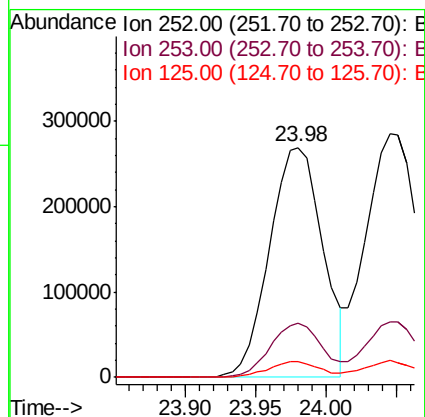
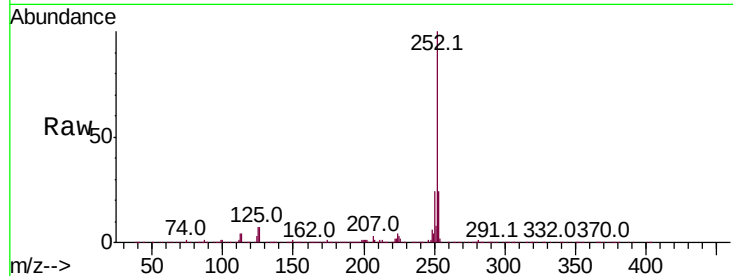
Ion 149.00 (148.70 to 149.70): E





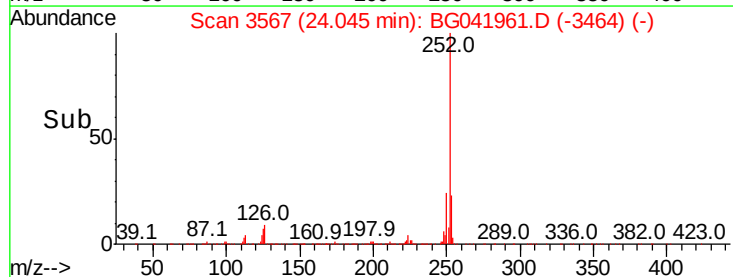
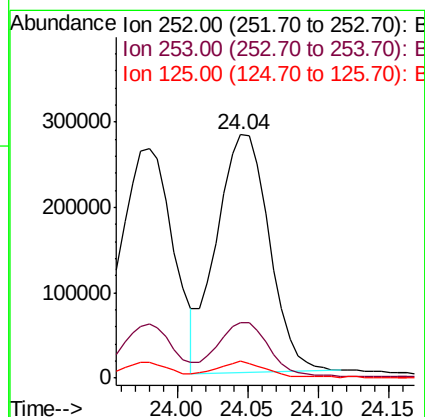
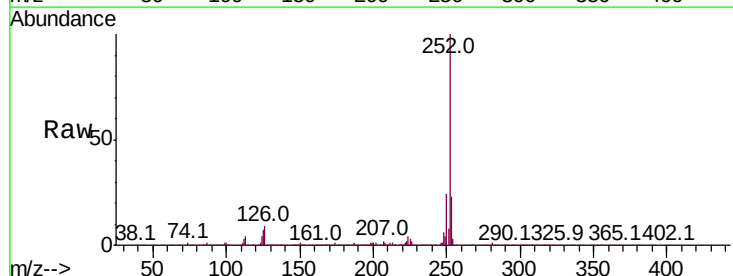
#87  
Benzo(b)fluoranthene  
Concen: 22.428 ng/ul  
RT: 23.98 min Scan# 3556  
Delta R.T. 0.01 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

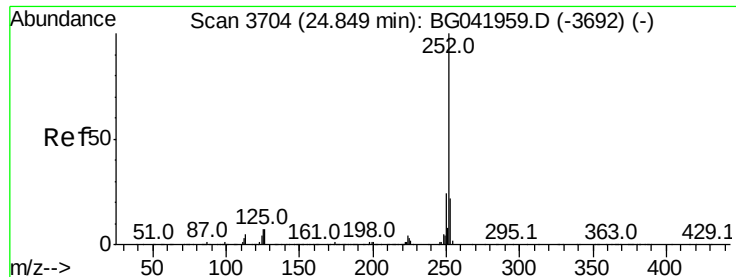
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 708341    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.5  | 18.4 27.6 |
| 125         | 6.6   | 5.8 8.8   |



#88  
Benzo(k)fluoranthene  
Concen: 23.914 ng/ul  
RT: 24.04 min Scan# 3567  
Delta R.T. 0.00 min  
Lab File: BG041961.D  
Acq: 5 Aug 2019 12:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 726179    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.0  | 18.3 27.5 |
| 125         | 6.9   | 5.5 8.3   |





#90

Benzo(a)pyrene

Concen: 23.660 ng/ul

RT: 24.87 min Scan# 3707

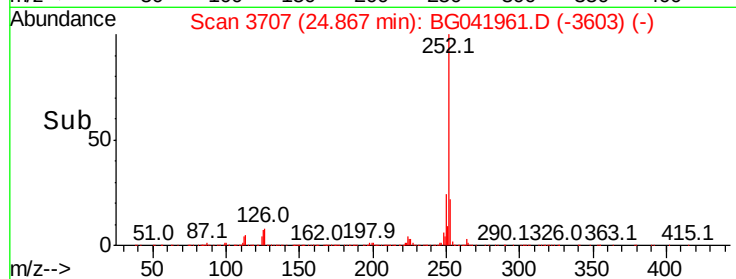
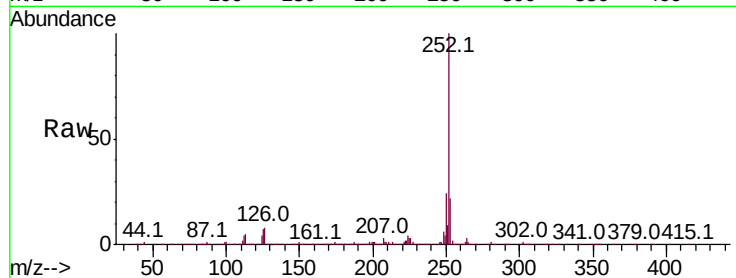
Delta R.T. 0.01 min

Lab File: BG041961.D

Acq: 5 Aug 2019 12:13

Tot Ion: 252 Resp: 712046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 18.3  | 27.5  |
| 125 | 6.7   | 6.5   | 9.7   |

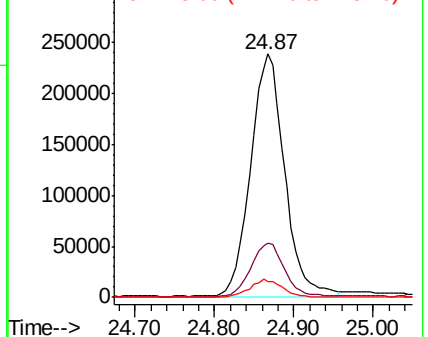


Abundance

Ion 252.00 (251.70 to 252.70): E

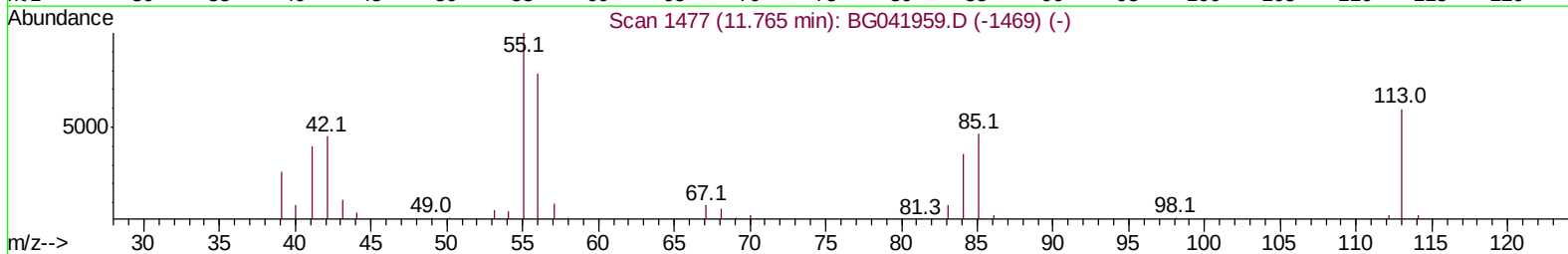
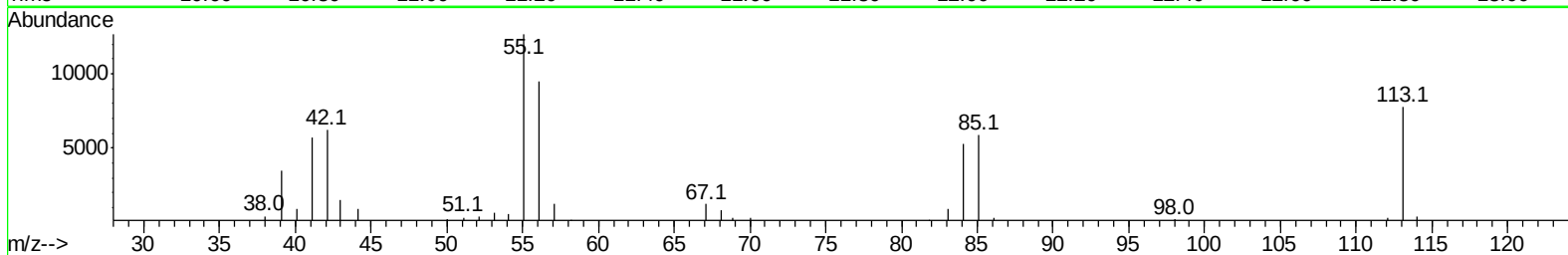
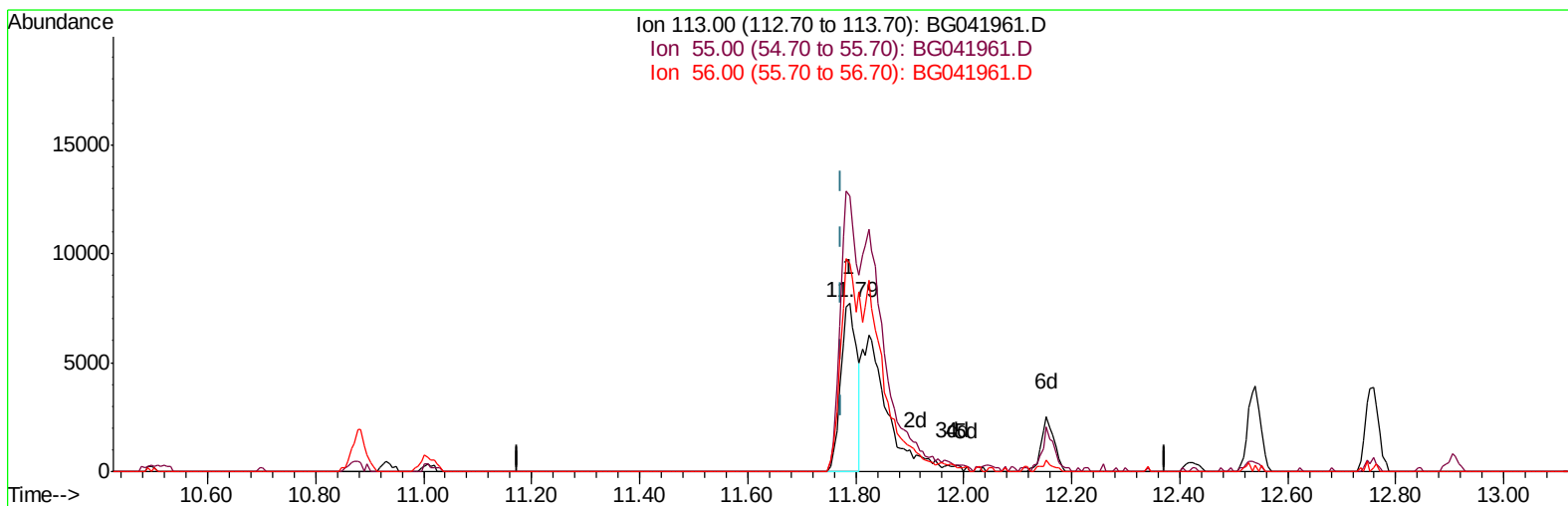
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
Data File : BG041961.D  
Acq On : 5 Aug 2019 12:13  
Operator : HP/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 05 12:50:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 05 11:40:45 2019  
Response via : Initial Calibration



TIC: BG041961.D

(32) Caprolactam

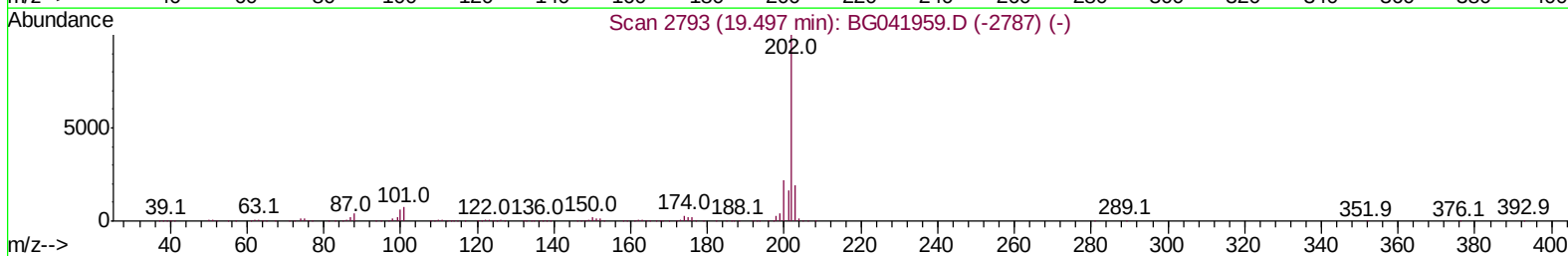
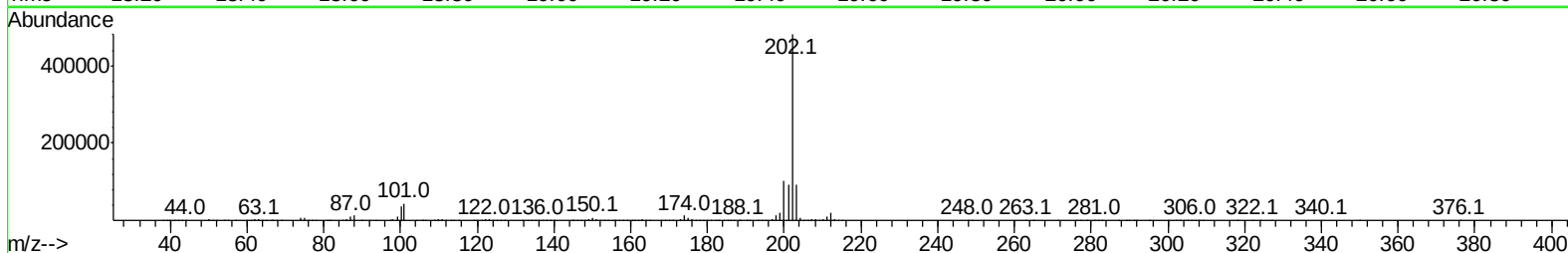
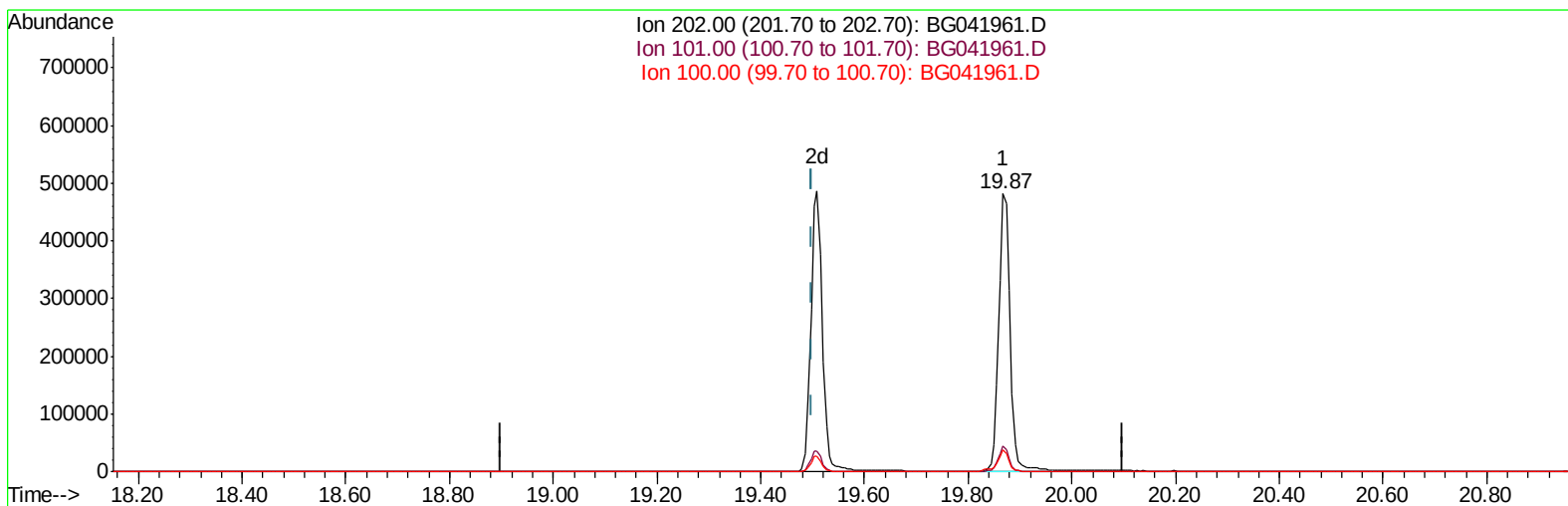
11.789min (+0.015) 8.47ng/ul

response 15981

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 178.00 | 163.32 |
| 56.00  | 136.80 | 122.94 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
Data File : BG041961.D  
Acq On : 5 Aug 2019 12:13  
Operator : HP/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 05 12:50:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 05 11:40:45 2019  
Response via : Initial Calibration



TIC: BG041961.D

(76) Fluoranthene (C)

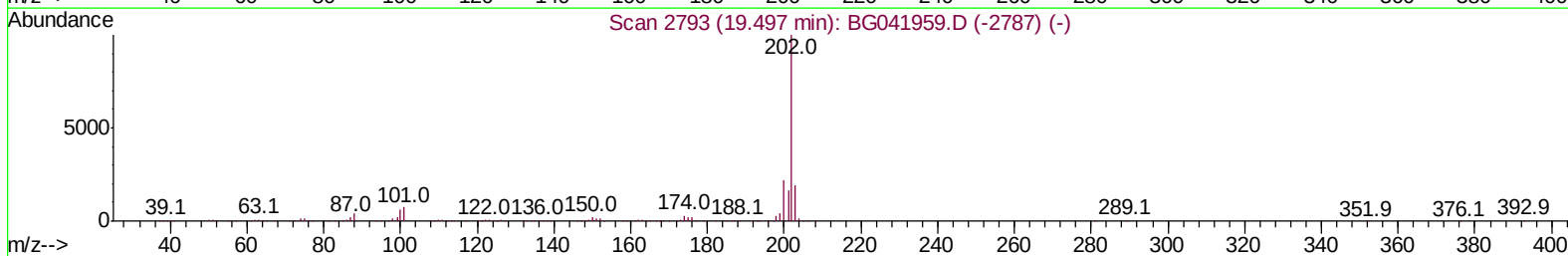
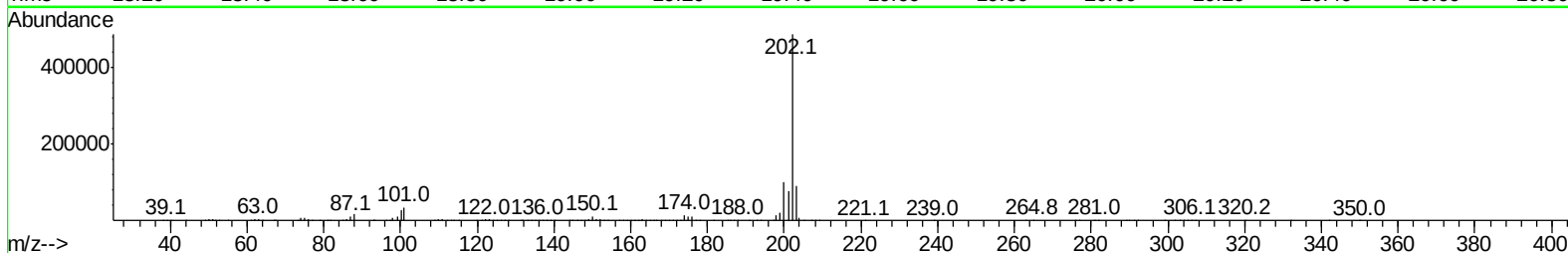
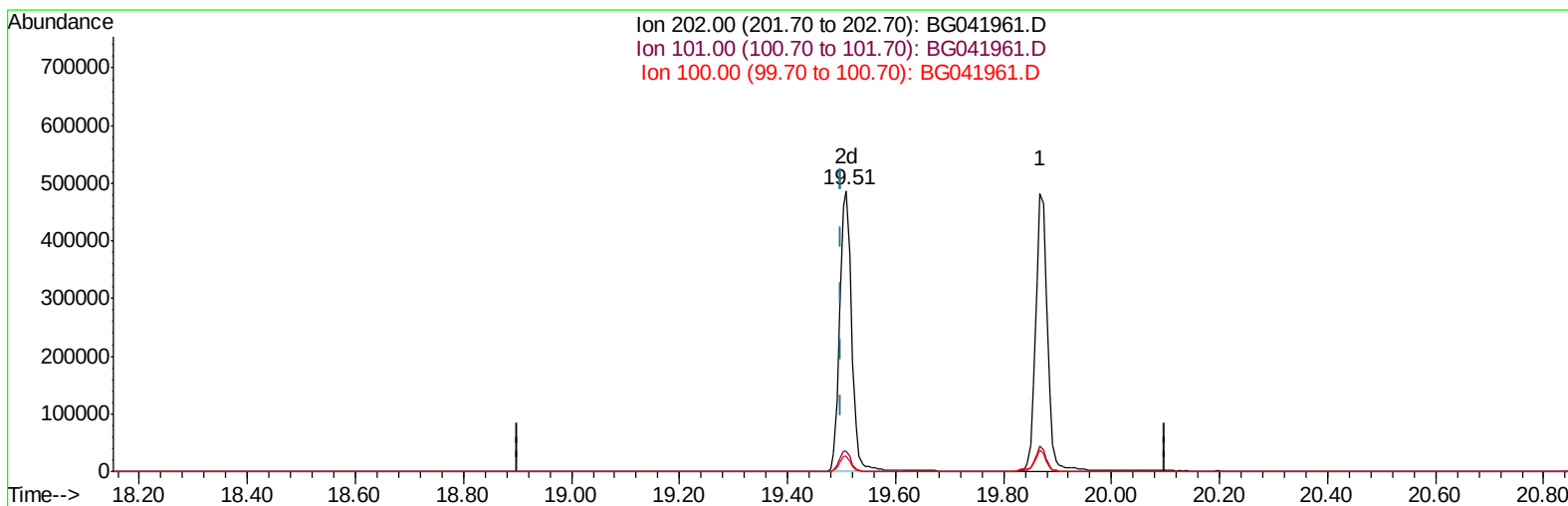
19.867min (+0.368) 22.55ng/ul

response 723554

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 8.40 | 9.09 |
| 100.00 | 6.60 | 7.61 |
| 0.00   | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\  
Data File : BG041961.D  
Acq On : 5 Aug 2019 12:13  
Operator : HP/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 05 12:50:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 05 11:40:45 2019  
Response via : Initial Calibration



TIC: BG041961.D

(76) Fluoranthene (C)

19.509min (+0.009) 23.35ng/ul m

response 749071

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 8.40 | 7.24  |
| 100.00 | 6.60 | 5.27# |
| 0.00   | 0.00 | 0.00  |