

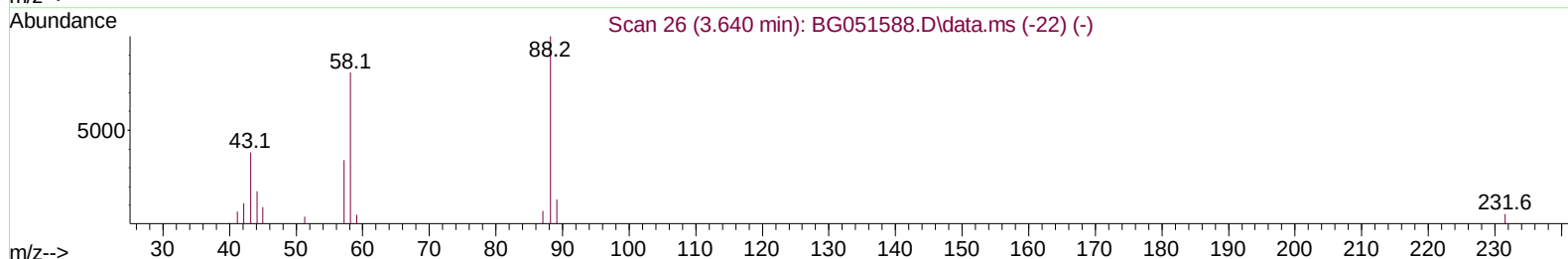
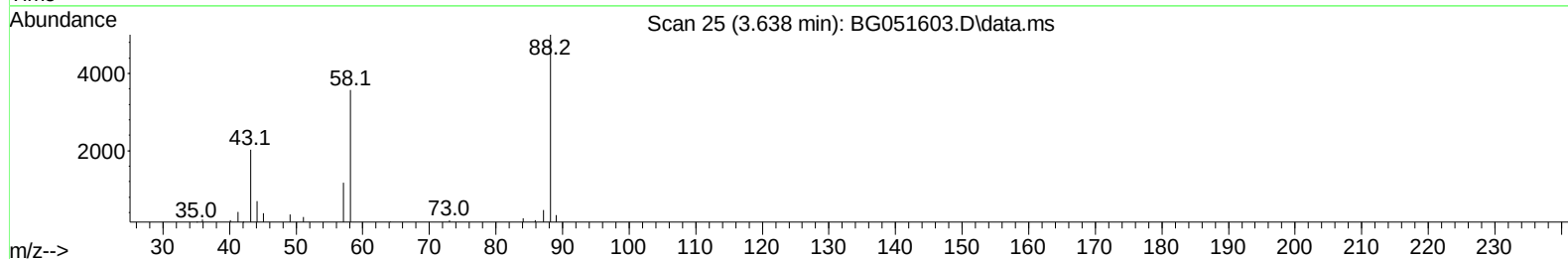
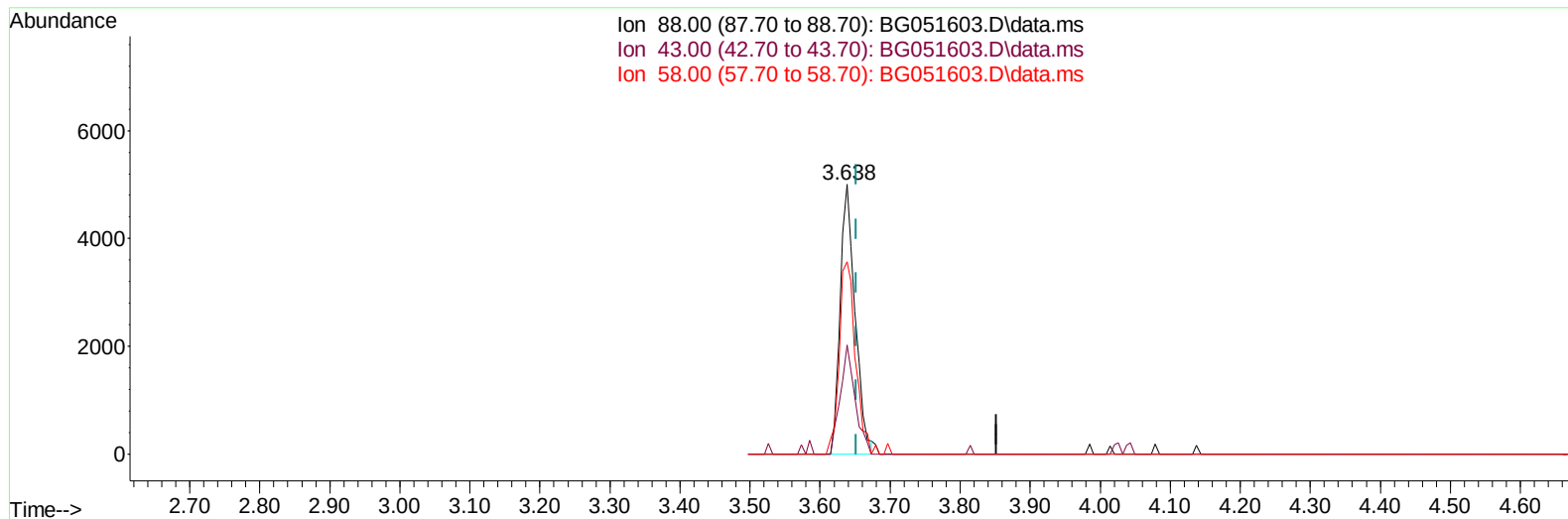
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051603.D  
 Acq On : 17 Dec 2021 19:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021



TIC: BG051603.D\data.ms

(2) 1,4-Dioxane

3.638min (-0.014) 8.94 ng/uL

response 7459

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 28.70  | 40.45# |
| 58.00 | 78.00  | 71.43  |
| 0.00  | 0.00   | 0.00   |

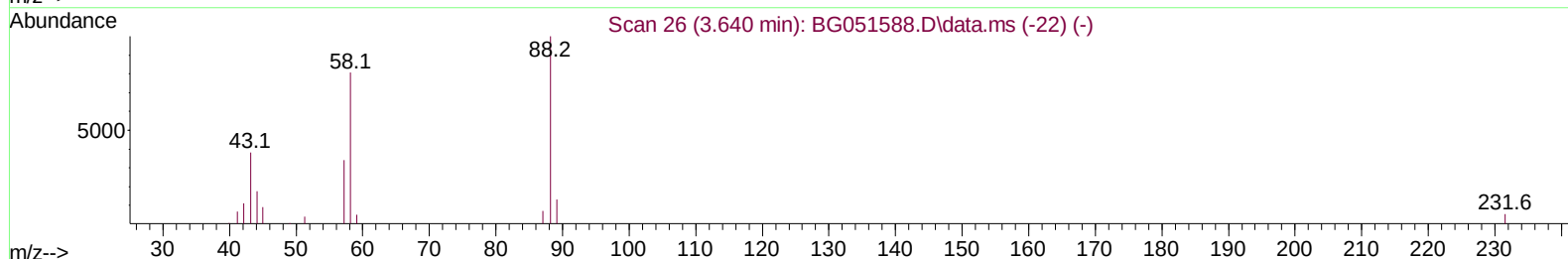
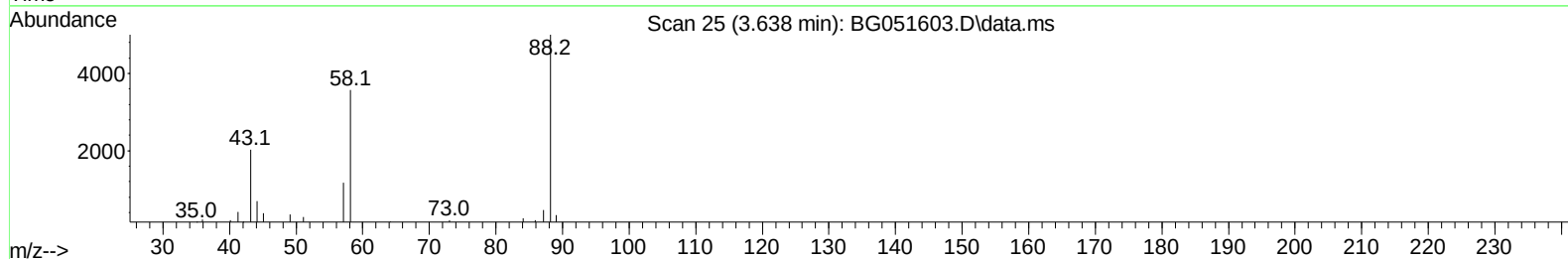
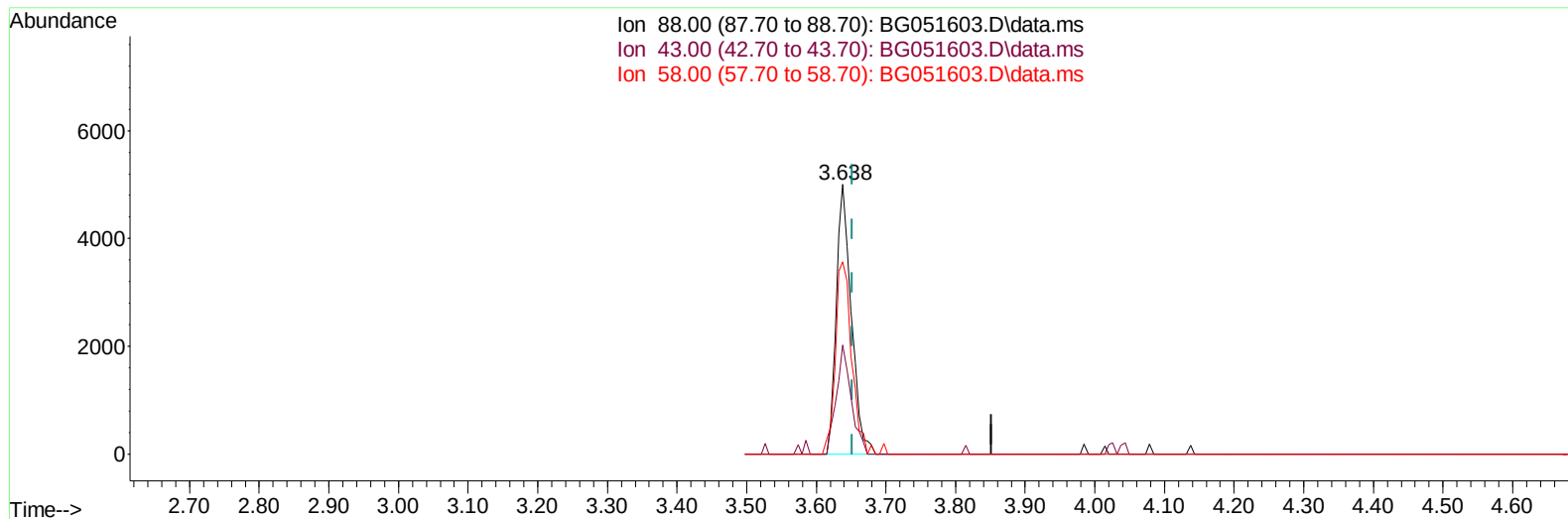
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
Data File : BG051603.D  
Acq On : 17 Dec 2021 19:02  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 14 14:19:57 2021  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



TIC: BG051603.D\data.ms

(2) 1,4-Dioxane

3.638min (-0.014) 9.02 ng/uL m

response 7521

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 28.70  | 40.45# |
| 58.00 | 78.00  | 71.43  |
| 0.00  | 0.00   | 0.00   |

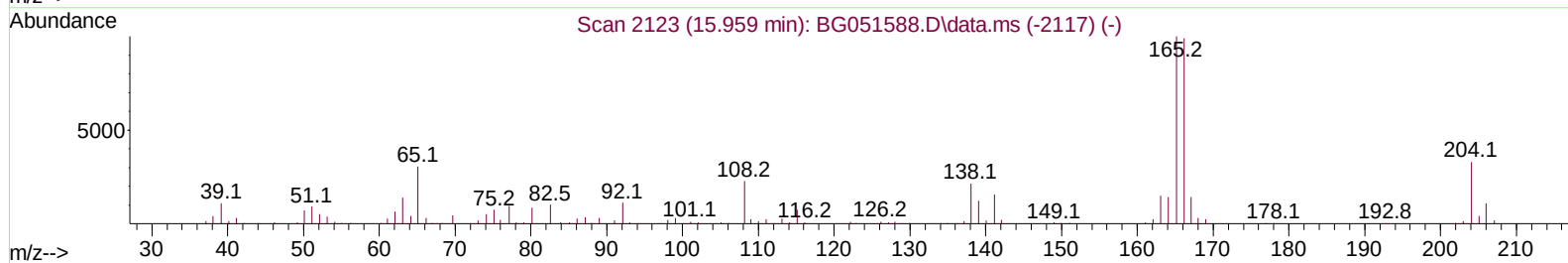
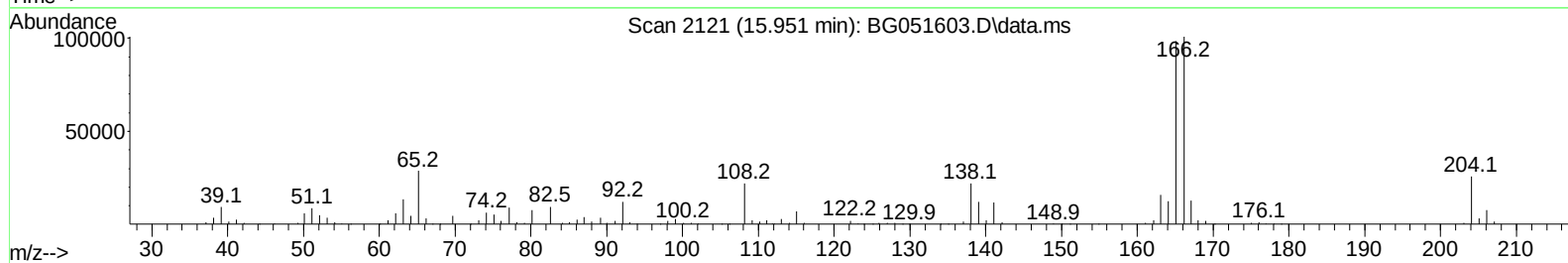
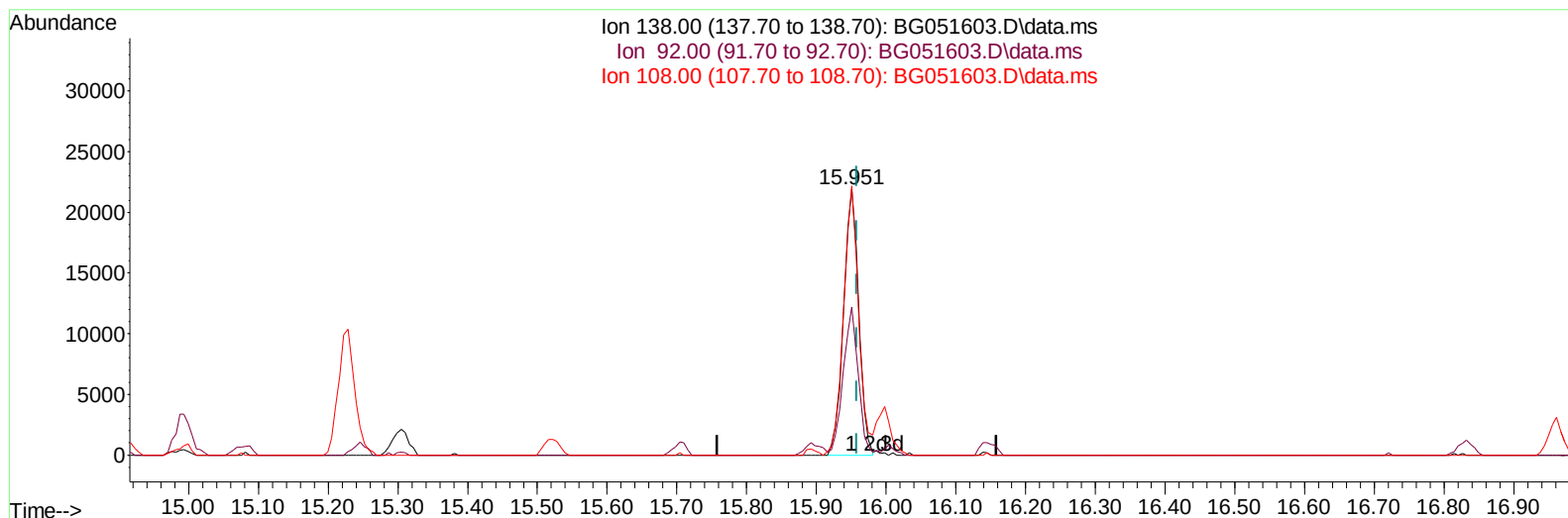
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051603.D  
 Acq On : 17 Dec 2021 19:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021



TIC: BG051603.D\data.ms

**(63) 4-Nitroaniline**

**15.951min (-0.008) 23.78 ng/ul**

**response 32917**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 61.60  | 55.62  |
| 108.00 | 90.70  | 101.02 |
| 0.00   | 0.00   | 0.00   |

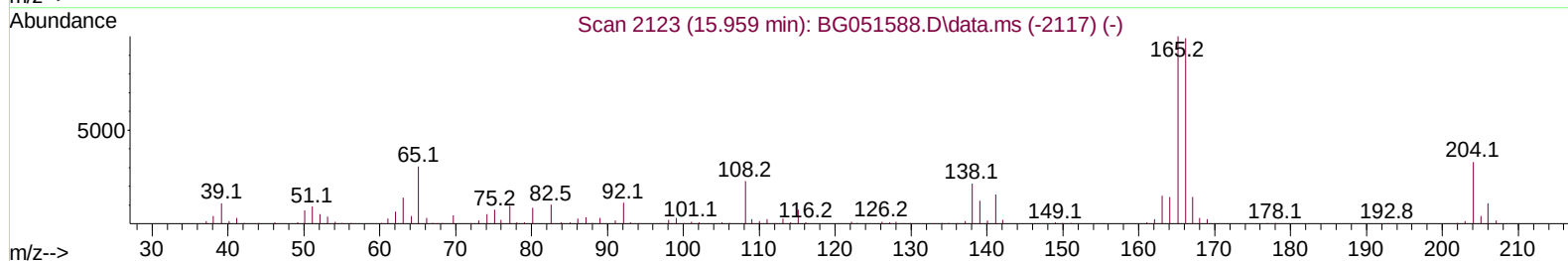
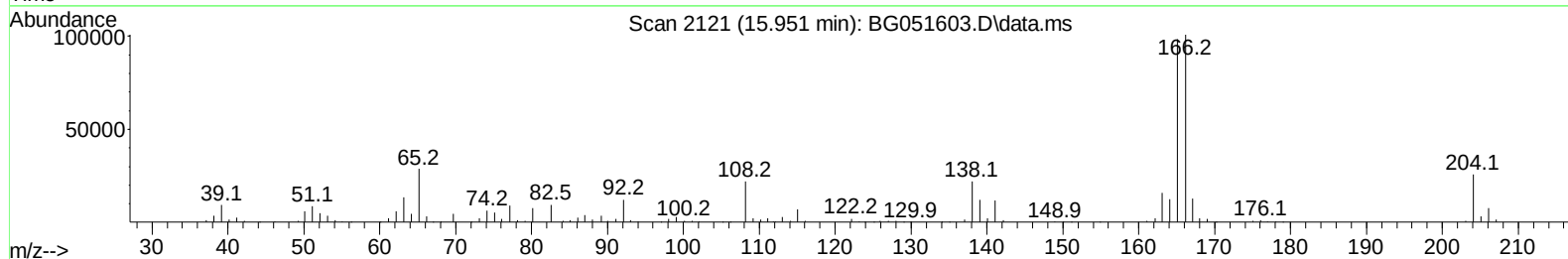
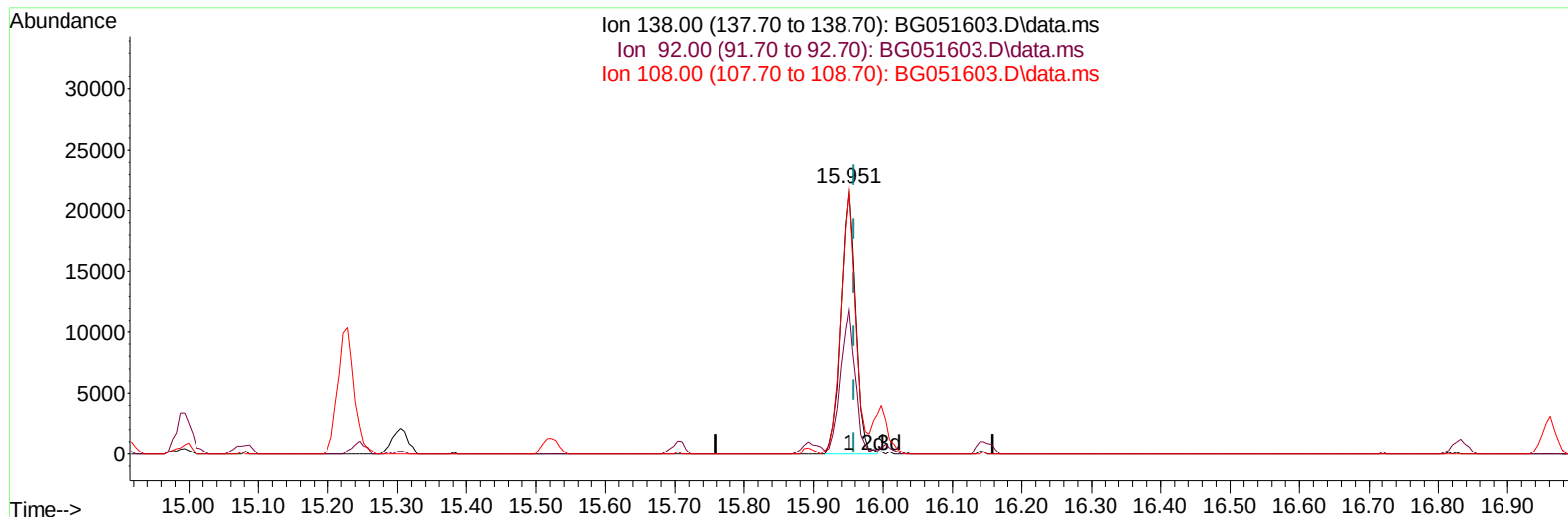
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051603.D  
 Acq On : 17 Dec 2021 19:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021



TIC: BG051603.D\data.ms

**(63) 4-Nitroaniline**

**15.951min (-0.008) 23.91 ng/ul m**

**response 33089**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 61.60  | 55.62  |
| 108.00 | 90.70  | 101.02 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051603.D  
 Acq On : 17 Dec 2021 19:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.273  | 152  | 33187    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 11.110 | 136  | 133631   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.911 | 164  | 95012    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.654 | 188  | 235008   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.972 | 240  | 228271   | 20.000 | ng/ul  | #-0.01   |
| 88) Perylene-d12              | 25.467 | 264  | 231849   | 20.000 | ng/ul  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.597  | 96   | 6786     | 8.492  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.026  | 84   | 56448    | 23.379 | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 7.404  | 99   | 63117    | 21.301 | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.580  | 67   | 38776    | 22.013 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.797  | 132  | 43601    | 21.157 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.966  | 113  | 48014    | 20.963 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.442  | 128  | 23209    | 23.689 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.171 | 143  | 24506    | 22.881 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.717 | 165  | 51023    | 21.968 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.228 | 131  | 64718    | 21.164 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.300 | 166  | 159151   | 20.928 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.606 | 160  | 197804   | 20.943 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.070 | 143  | 25616    | 20.714 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.898 | 176  | 141472   | 20.764 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.998 | 200  | 26278    | 21.462 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.754 | 188  | 232501   | 20.739 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.028 | 212  | 283493   | 20.635 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.227 | 264  | 258515   | 21.191 | ng/ul  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.638  | 88   | 7521m    | 9.018  | ng/uL  |          |
| 5) Pyridine                   | 4.049  | 79   | 54829    | 22.636 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.392  | 77   | 46088    | 24.929 | ng/ul  | 94       |
| 8) Phenol                     | 7.433  | 94   | 63138    | 21.429 | ng/ul  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.674  | 93   | 45201    | 20.109 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.832  | 128  | 47105    | 22.282 | ng/ul  | 93       |
| 13) 2-Methylphenol            | 8.702  | 108  | 45770    | 20.588 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.796  | 45   | 63774    | 20.916 | ng/ul# | 92       |
| 16) Acetophenone              | 9.095  | 105  | 75356    | 20.945 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.078  | 70   | 44064    | 20.411 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 9.031  | 108  | 49299    | 21.040 | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.383  | 117  | 19046    | 20.648 | ng/ul# | 79       |
| 22) Nitrobenzene              | 9.483  | 77   | 63434    | 22.260 | ng/ul# | 94       |
| 23) Isophorone                | 10.012 | 82   | 117721   | 20.577 | ng/ul# | 96       |
| 25) 2-Nitrophenol             | 10.206 | 139  | 26544    | 23.186 | ng/ul  | 99       |
| 26) 2,4-Dimethylphenol        | 10.253 | 107  | 57380    | 20.803 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.494 | 93   | 63958    | 21.054 | ng/ul# | 97       |
| 29) 2,4-Dichlorophenol        | 10.746 | 162  | 47521    | 21.504 | ng/ul  | 97       |
| 30) Naphthalene               | 11.163 | 128  | 150344   | 20.883 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.257 | 127  | 63820    | 20.438 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.451 | 225  | 38745    | 20.652 | ng/ul  | 99       |
| 34) Caprolactam               | 11.997 | 113  | 16145    | 24.131 | ng/ul  | 90       |
| 35) 4-Chloro-3-methylphenol   | 12.356 | 107  | 51983    | 20.994 | ng/ul  | 92       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051603.D  
 Acq On : 17 Dec 2021 19:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Dec 17 23:04:43 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.755 | 142  | 108548   | 21.134 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.973 | 142  | 108834   | 20.408 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.114 | 216  | 71155    | 21.531 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 13.102 | 237  | 54910    | 22.883 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.343 | 196  | 44800    | 22.393 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.413 | 196  | 49289    | 23.508 | ng/ul  | 90       |
| 43) 1,1'-Biphenyl             | 13.748 | 154  | 151977   | 20.882 | ng/ul# | 93       |
| 44) 2-Chloronaphthalene       | 13.789 | 162  | 119030   | 21.155 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.977 | 65   | 41035    | 23.873 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.347 | 163  | 154893   | 20.980 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.465 | 165  | 32536    | 23.052 | ng/ul# | 86       |
| 50) Acenaphthylene            | 14.635 | 152  | 195557   | 21.163 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.794 | 138  | 32200    | 23.859 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.970 | 153  | 127586   | 20.900 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 14.993 | 184  | 21429    | 26.265 | ng/ul# | 60       |
| 55) 4-Nitrophenol             | 15.082 | 109  | 27278    | 20.559 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.305 | 168  | 185404   | 20.622 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.246 | 165  | 47498    | 23.744 | ng/ul# | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.522 | 232  | 43526    | 21.843 | ng/ul  | 88       |
| 59) Diethylphthalate          | 15.704 | 149  | 159040   | 20.679 | ng/ul  | 97       |
| 61) Fluorene                  | 15.951 | 166  | 154024   | 20.792 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.939 | 204  | 84988    | 20.598 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.951 | 138  | 33089m   | 23.906 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 16.010 | 198  | 25829    | 21.480 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.145 | 169  | 133472   | 21.116 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.832 | 248  | 59432    | 24.832 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.961 | 284  | 67103    | 22.312 | ng/ul# | 89       |
| 70) Atrazine                  | 17.085 | 200  | 60432    | 21.306 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.296 | 266  | 47154    | 25.590 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.696 | 178  | 248881   | 20.590 | ng/ul  | 99       |
| 74) Anthracene                | 17.790 | 178  | 254661   | 20.854 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.719 | 216  | 77821    | 21.525 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.228 | 250  | 74418    | 21.532 | ng/uL  | 96       |
| 77) Carbazole                 | 18.048 | 167  | 226878   | 20.748 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.600 | 149  | 267011   | 20.290 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.699 | 202  | 329897   | 20.920 | ng/ul# | 88       |
| 82) Pyrene                    | 20.057 | 202  | 320067   | 20.509 | ng/ul# | 89       |
| 83) Butylbenzylphthalate      | 20.932 | 149  | 109053   | 20.837 | ng/ul# | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.855 | 252  | 117125   | 21.771 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.955 | 228  | 313581   | 21.115 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.843 | 149  | 154992   | 21.142 | ng/ul# | 99       |
| 87) Chrysene                  | 22.025 | 228  | 297292   | 20.720 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.153 | 149  | 259330   | 20.767 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.351 | 252  | 324969   | 20.926 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.422 | 252  | 302879   | 20.827 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.303 | 252  | 305663   | 20.855 | ng/ul# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.491 | 276  | 345881   | 21.616 | ng/ul# | 87       |
| 95) Dibenzo(a,h)anthracene    | 29.562 | 278  | 288466   | 21.108 | ng/ul# | 92       |
| 96) Benzo(g,h,i)perylene      | 30.743 | 276  | 285494   | 21.055 | ng/ul# | 88       |

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

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021

