

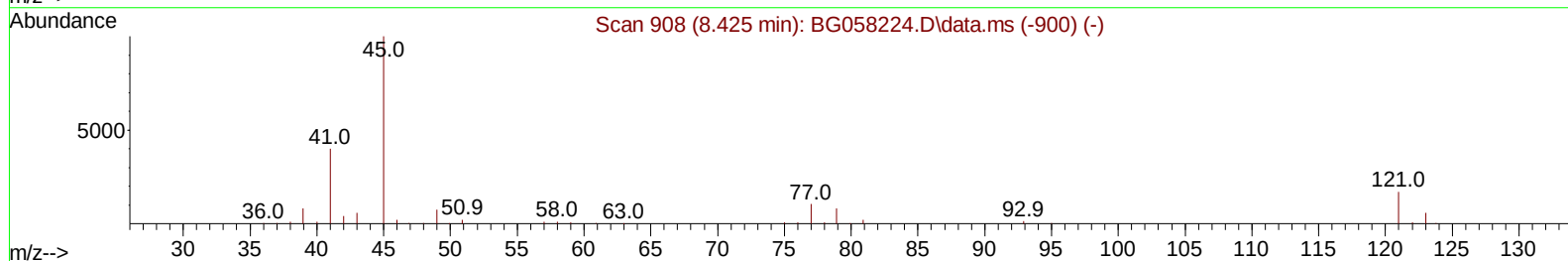
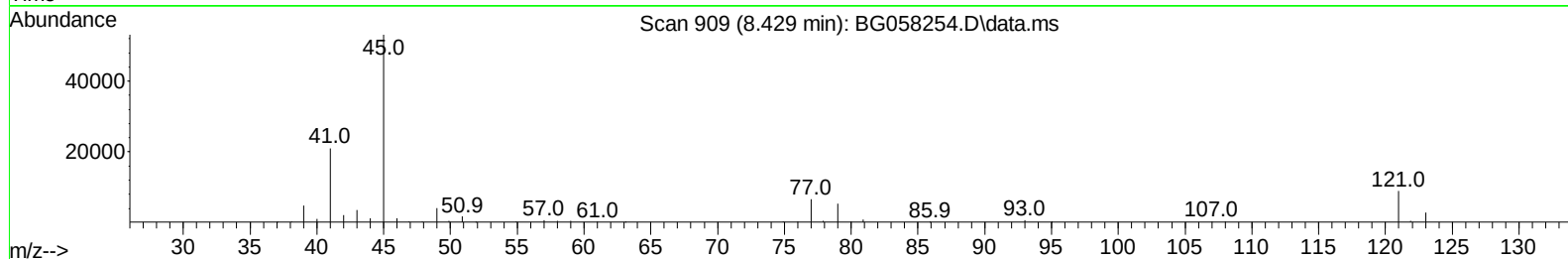
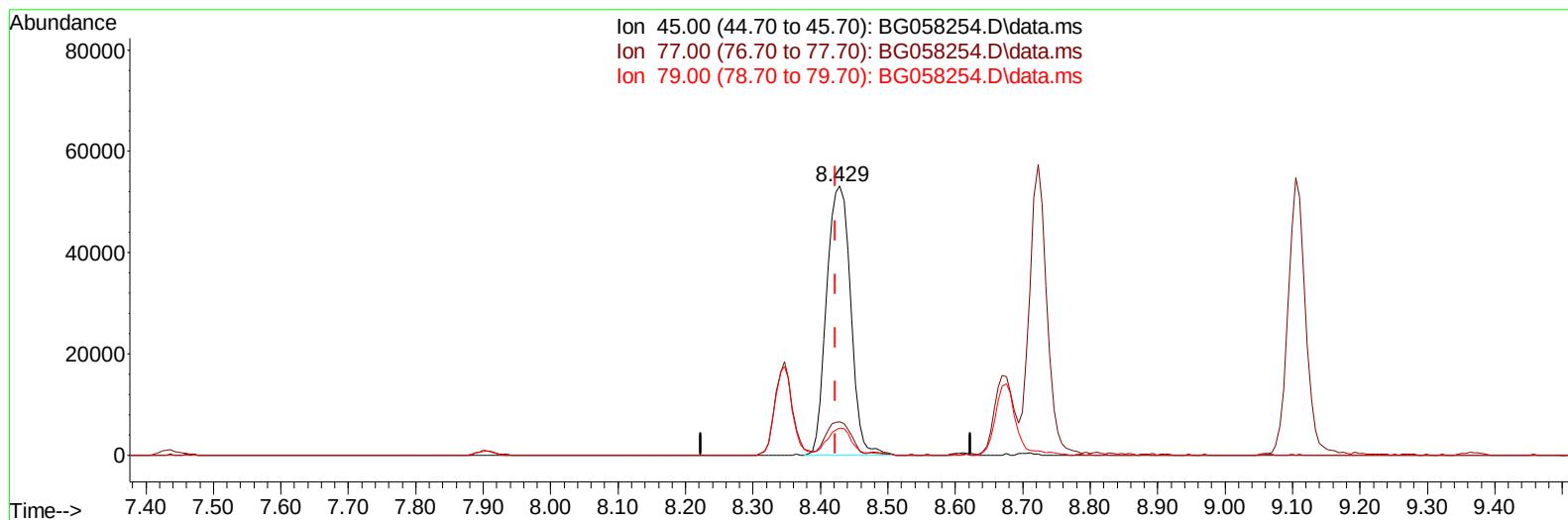
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058254.D  
 Acq On : 15 Jul 2023 9:06  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:33:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BG058254.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.429min (+ 0.006) 22.26 ng/u1**

**response 131780**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 11.80  | 12.45  |
| 79.00 | 10.40  | 10.16  |
| 0.00  | 0.00   | 0.00   |

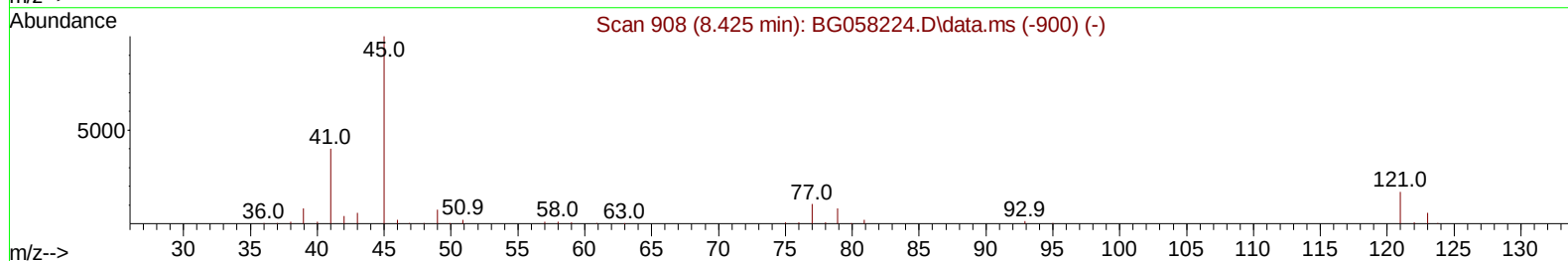
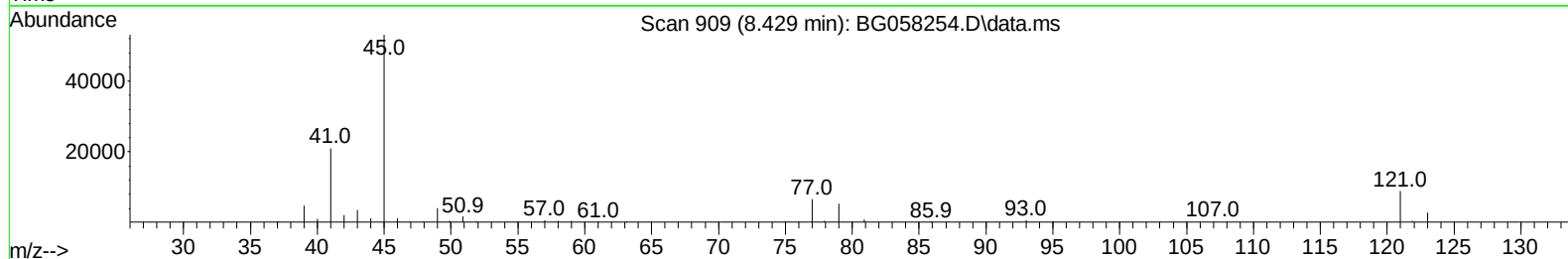
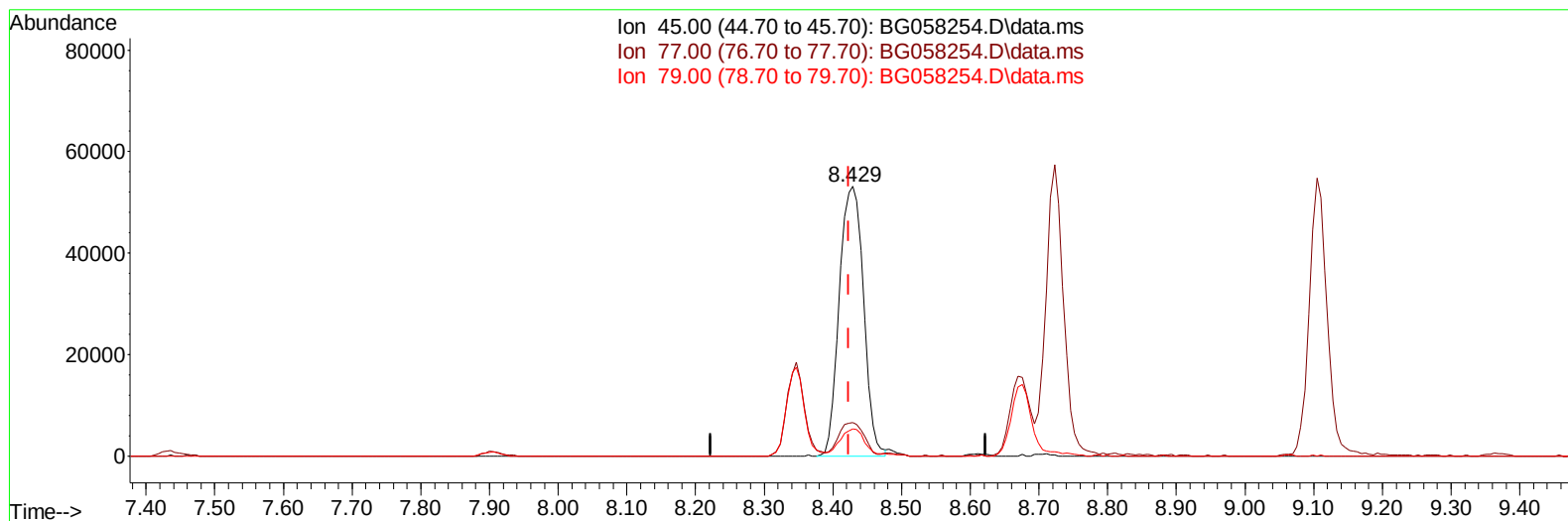
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QLast Update : Thu Jul 13 14:01:20 2023  
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Reviewed By :Yogesh Patel 07/17/2023  
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TIC: BG058254.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.429min (+ 0.006) 22.06 ng/ul m

response 130590

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 11.80  | 12.45  |
| 79.00 | 10.40  | 10.16  |
| 0.00  | 0.00   | 0.00   |

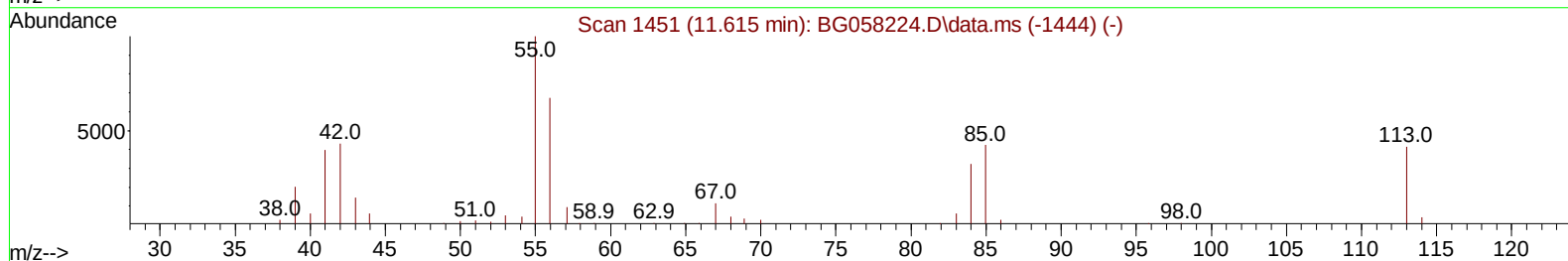
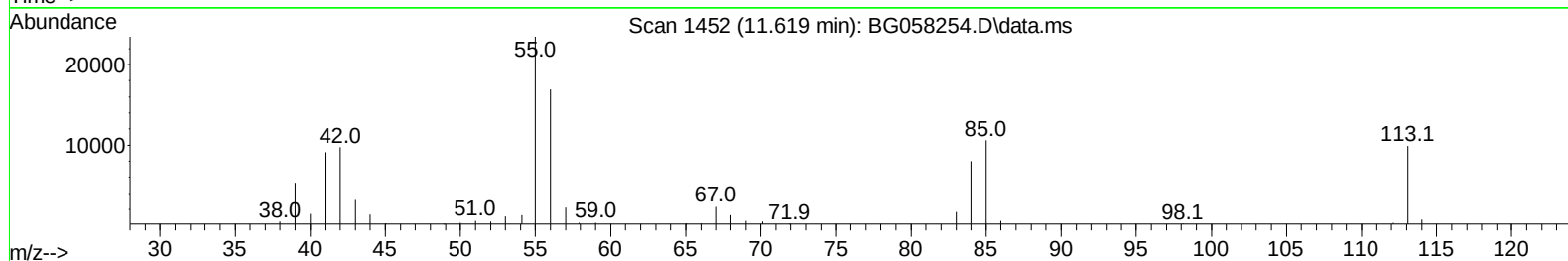
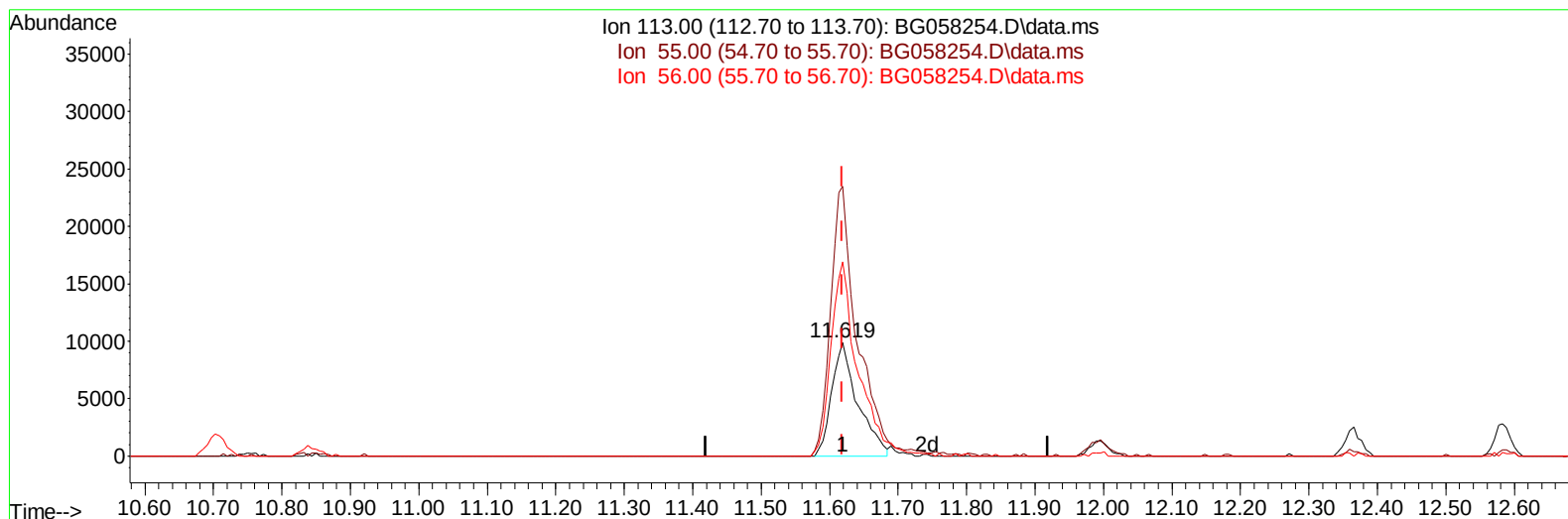
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BG058254.D\data.ms

**(34) Caprolactam**

11.619min (+ 0.000) 18.21 ng/ul

response 26067

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 229.30 | 236.92 |
| 56.00  | 153.80 | 170.63 |
| 0.00   | 0.00   | 0.00   |

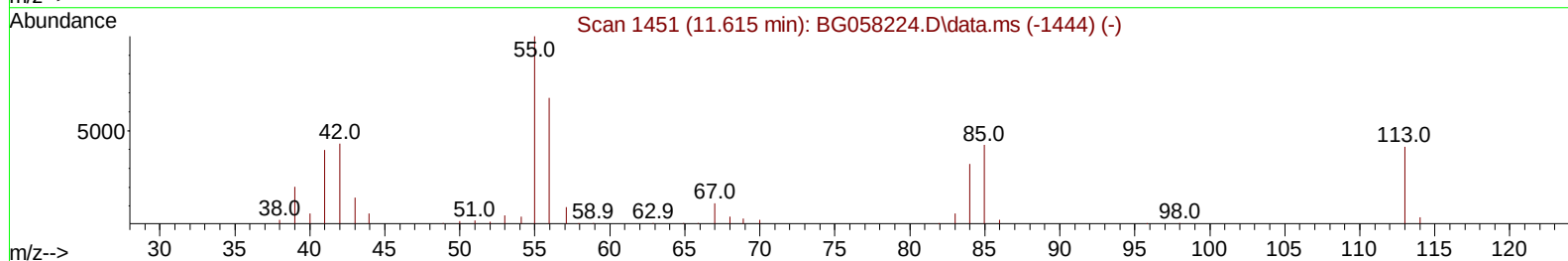
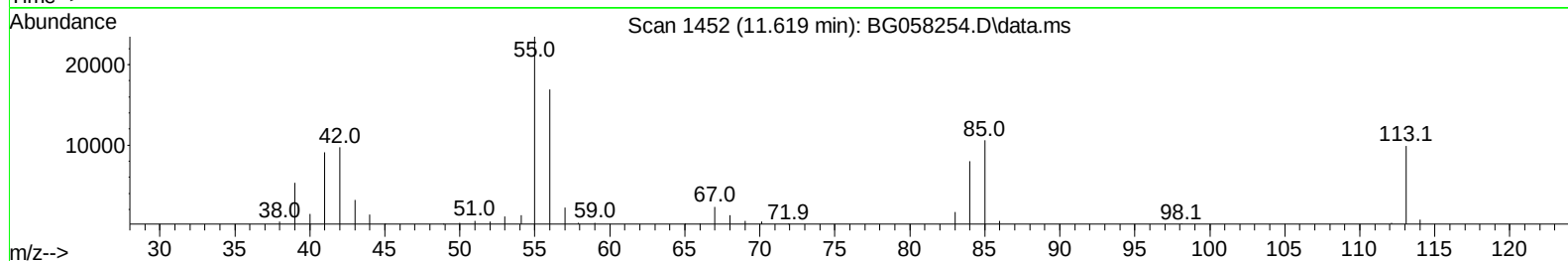
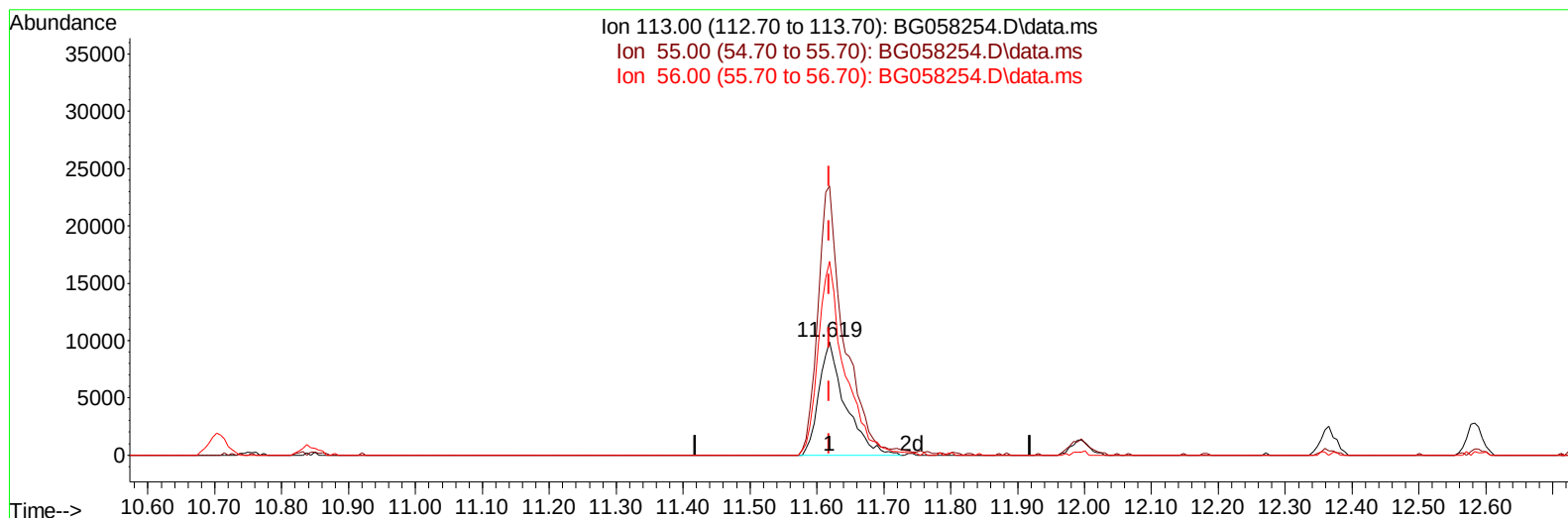
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058254.D  
 Acq On : 15 Jul 2023 9:06  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BG058254.D\data.ms

**(34) Caprolactam**

11.619min (+ 0.000) 18.77 ng/ul m

response 26874

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 229.30 | 236.92 |
| 56.00  | 153.80 | 170.63 |
| 0.00   | 0.00   | 0.00   |

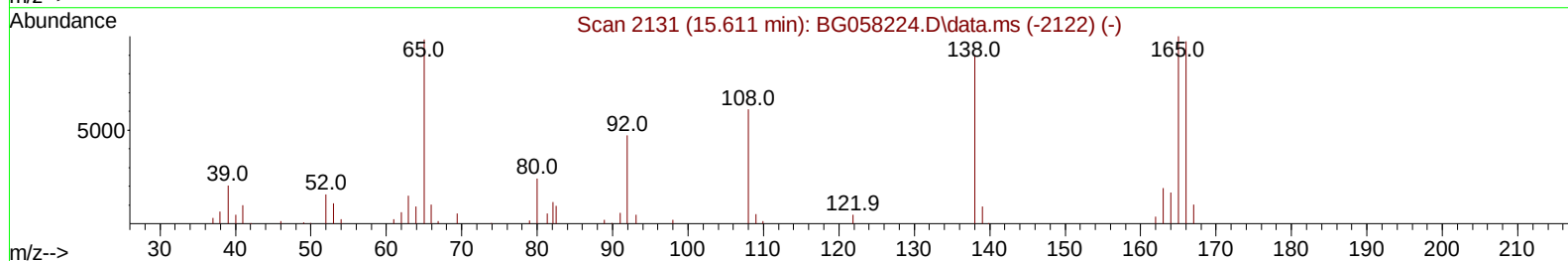
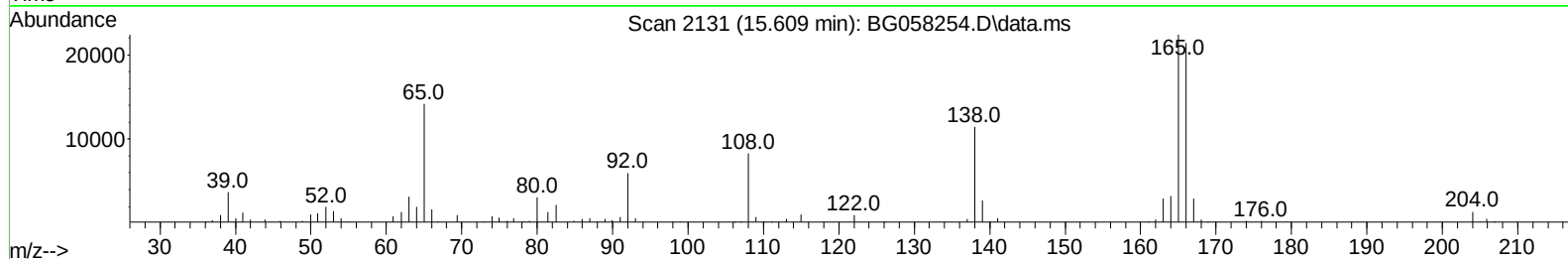
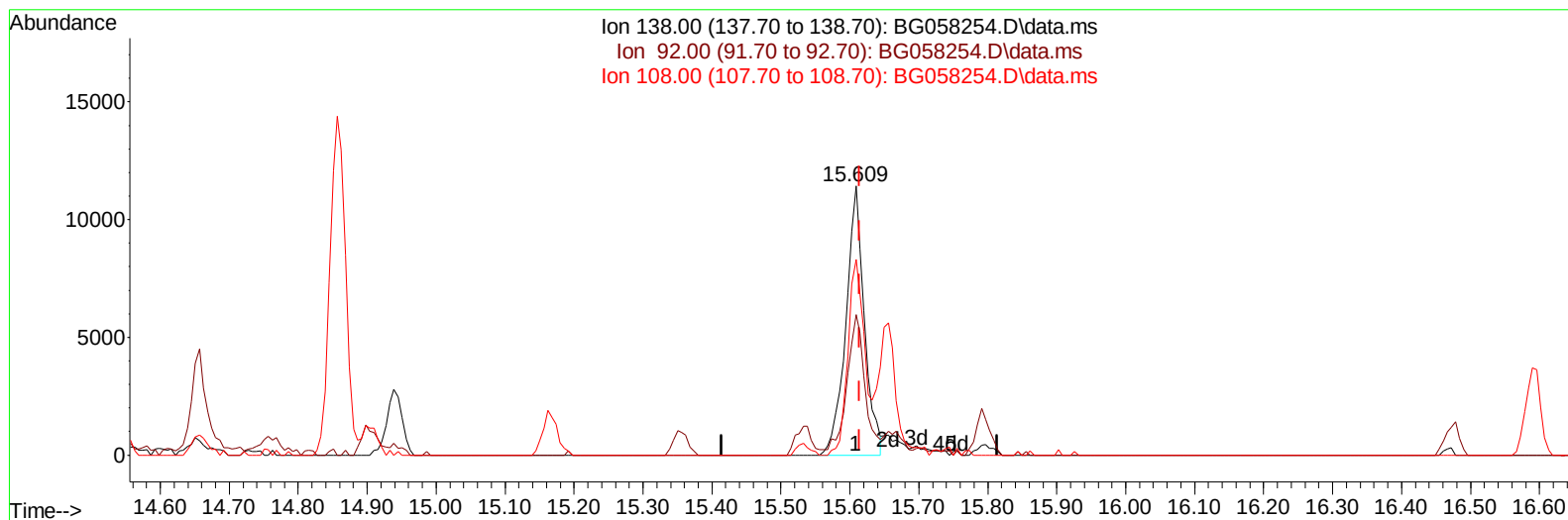
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058254.D  
 Acq On : 15 Jul 2023 9:06  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:49:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BG058254.D\data.ms

**(63) 4-Nitroaniline**

**15.609min (-0.005) 11.07 ng/ul**

**response 21194**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 54.80  | 52.22  |
| 108.00 | 73.50  | 72.69  |
| 0.00   | 0.00   | 0.00   |

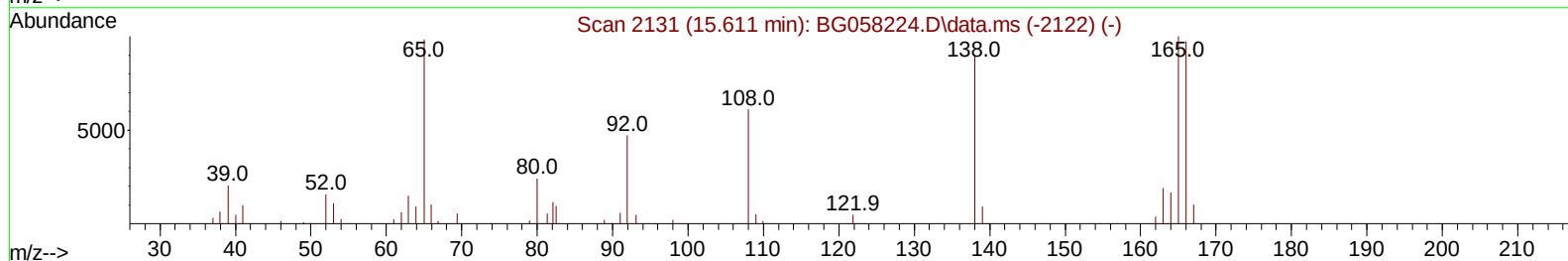
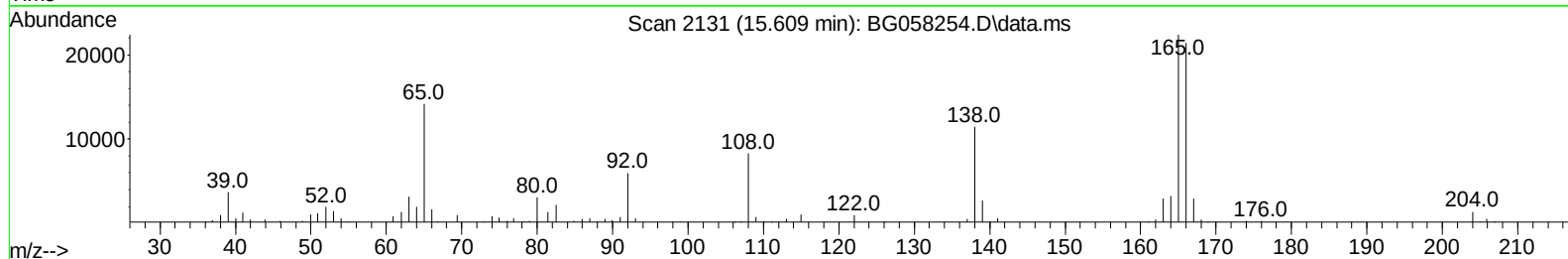
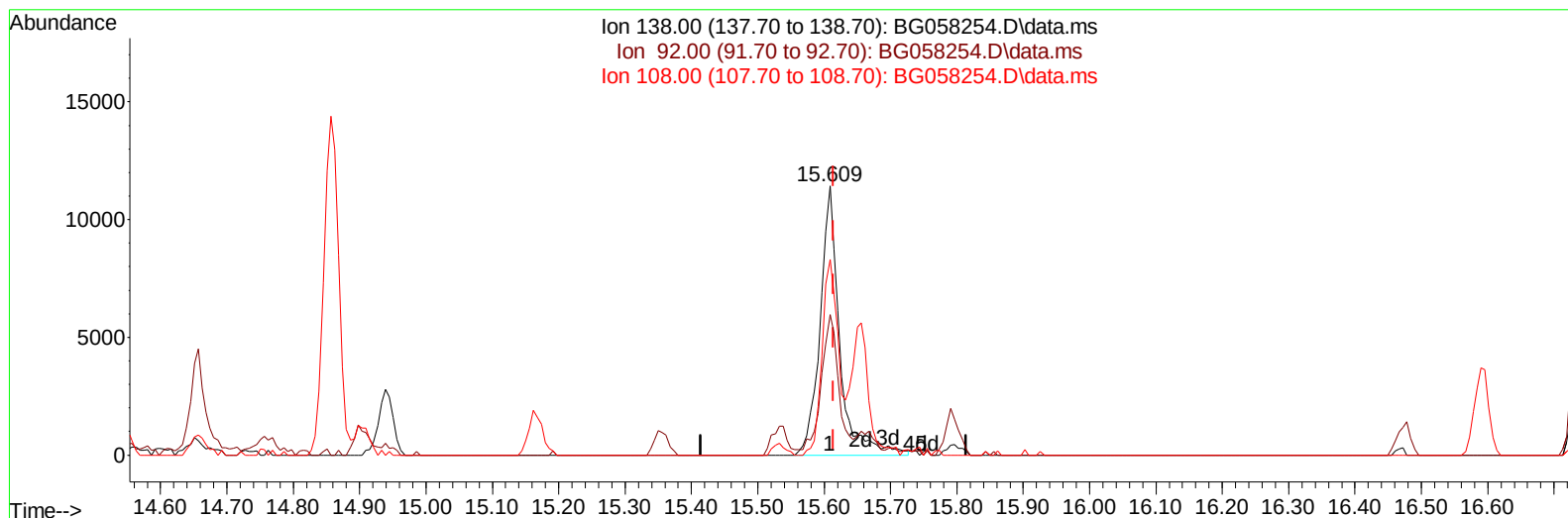
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058254.D  
 Acq On : 15 Jul 2023 9:06  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:49:10 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BG058254.D\data.ms

**(63) 4-Nitroaniline**

**15.609min (-0.005) 12.17 ng/ul m**

**response 23312**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 54.80  | 52.22  |
| 108.00 | 73.50  | 72.69  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:49:47 2023  
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Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.900  | 152  | 48067    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.703 | 136  | 222909   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.539 | 164  | 155458   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.283 | 188  | 361644   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.537 | 240  | 314785   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.680 | 264  | 395862   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.347  | 96   | 10469    | 7.627  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 81403    | 19.534 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.066  | 99   | 104249   | 21.237 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.230  | 67   | 62339    | 21.073 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.436  | 132  | 72288    | 21.351 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.611  | 113  | 79011    | 21.331 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 37978    | 20.904 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.786  | 143  | 42005    | 21.999 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.327 | 165  | 83279    | 22.735 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.844 | 131  | 112189   | 20.201 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.946 | 166  | 237323   | 19.348 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.234 | 160  | 287587   | 21.486 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.745 | 143  | 36743    | 16.955 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.532 | 176  | 219683   | 21.089 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.656 | 200  | 36191    | 18.430 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.383 | 188  | 349104   | 20.803 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.674 | 212  | 400319   | 20.192 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.463 | 264  | 417695   | 20.711 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.382  | 88   | 10934    | 6.448  | ng/uL  | 95       |
| 5) Pyridine                   | 3.775  | 79   | 87733    | 20.547 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.042  | 77   | 33170    | 20.234 | ng/ul  | 92       |
| 8) Phenol                     | 7.095  | 94   | 110394   | 22.161 | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.324  | 93   | 79520    | 20.675 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.465  | 128  | 75406    | 21.403 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.347  | 108  | 83189    | 21.264 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.429  | 45   | 130590m  | 22.057 | ng/ul  |          |
| 16) Acetophenone              | 8.723  | 105  | 130117   | 21.173 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.705  | 70   | 66938    | 20.376 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.676  | 108  | 92078    | 21.767 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.981  | 117  | 29766    | 22.039 | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.104  | 77   | 99619    | 21.122 | ng/ul  | 98       |
| 23) Isophorone                | 9.627  | 82   | 198627   | 19.737 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.815  | 139  | 45804    | 22.355 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.874  | 107  | 98689    | 21.420 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.109 | 93   | 112862   | 19.901 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.350 | 162  | 78715    | 22.102 | ng/ul  | 91       |
| 30) Naphthalene               | 10.756 | 128  | 266686   | 21.289 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.867 | 127  | 114297   | 20.128 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.038 | 225  | 54043    | 21.434 | ng/ul  | 97       |
| 34) Caprolactam               | 11.619 | 113  | 26874m   | 18.769 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.995 | 107  | 95609    | 21.854 | ng/ul  | 99       |

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Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.365 | 142  | 178084   | 21.089 | ng/ul  | 93       |
| 37) 1-Methylnaphthalene       | 12.583 | 142  | 180260   | 21.287 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.736 | 216  | 105537   | 22.277 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.706 | 237  | 53808    | 18.032 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.976 | 196  | 71681    | 22.324 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.047 | 196  | 74225    | 21.375 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.370 | 154  | 237485   | 21.198 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.417 | 162  | 194356   | 21.616 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.623 | 65   | 67464    | 21.581 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.993 | 163  | 244388   | 19.832 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.116 | 165  | 53071    | 20.981 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.263 | 152  | 309076   | 21.383 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.445 | 138  | 38795    | 18.149 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.604 | 153  | 212024   | 21.377 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.657 | 184  | 26451    | 20.058 | ng/ul  | 87       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 28428    | 17.708 | ng/ul  | 87       |
| 56) Dibenzofuran              | 14.939 | 168  | 297918   | 21.130 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 75484    | 21.062 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.168 | 232  | 65034    | 20.573 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.356 | 149  | 250524   | 19.478 | ng/ul  | 99       |
| 61) Fluorene                  | 15.591 | 166  | 240984   | 20.831 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.579 | 204  | 128861   | 21.052 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.609 | 138  | 23312m   | 12.174 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.667 | 198  | 38270    | 19.057 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 15.791 | 169  | 204685   | 21.267 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.472 | 248  | 85954    | 21.652 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.590 | 284  | 97196    | 21.869 | ng/ul  | 96       |
| 70) Atrazine                  | 16.743 | 200  | 78630    | 19.978 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.936 | 266  | 51311    | 19.230 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.330 | 178  | 384907   | 20.924 | ng/ul  | 99       |
| 74) Anthracene                | 17.418 | 178  | 386746   | 20.775 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.341 | 216  | 110115   | 22.959 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 117655   | 22.969 | ng/uL  | 97       |
| 77) Carbazole                 | 17.689 | 167  | 352663   | 20.947 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.241 | 149  | 435997   | 20.330 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.340 | 202  | 458917   | 19.977 | ng/ul  | 99       |
| 82) Pyrene                    | 19.704 | 202  | 469724   | 20.313 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.585 | 149  | 195543   | 20.854 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.437 | 252  | 167901   | 22.032 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.519 | 228  | 471783   | 20.874 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.419 | 149  | 285951   | 21.280 | ng/ul  | 98       |
| 87) Chrysene                  | 21.584 | 228  | 453766   | 21.416 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.600 | 149  | 498711   | 20.504 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.682 | 252  | 505314   | 20.616 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.746 | 252  | 482621   | 20.088 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.533 | 252  | 436425   | 20.117 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.253 | 276  | 577167   | 20.035 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.317 | 278  | 484211   | 20.383 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.381 | 276  | 459636   | 19.534 | ng/ul  | 99       |

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



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

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058254.D  
 Acq On : 15 Jul 2023 9:06  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:49:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

