

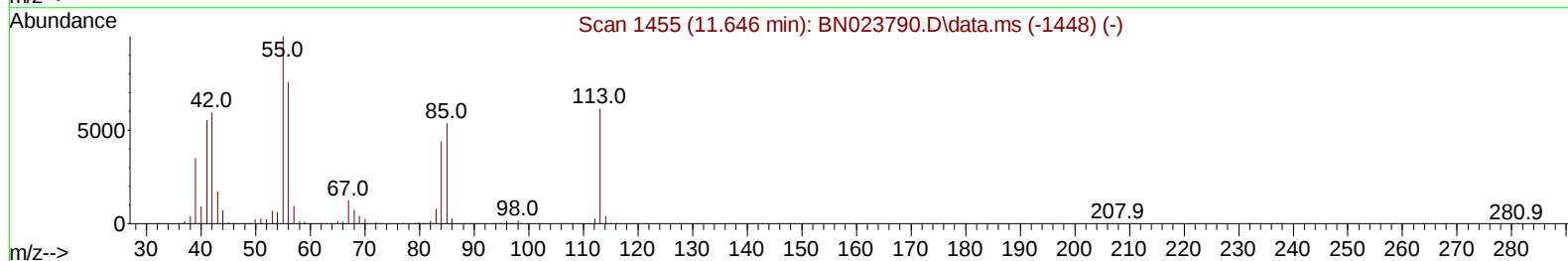
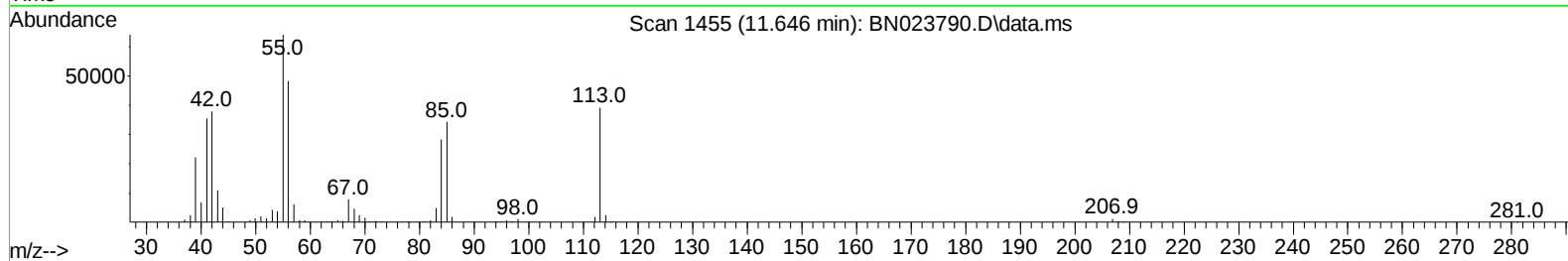
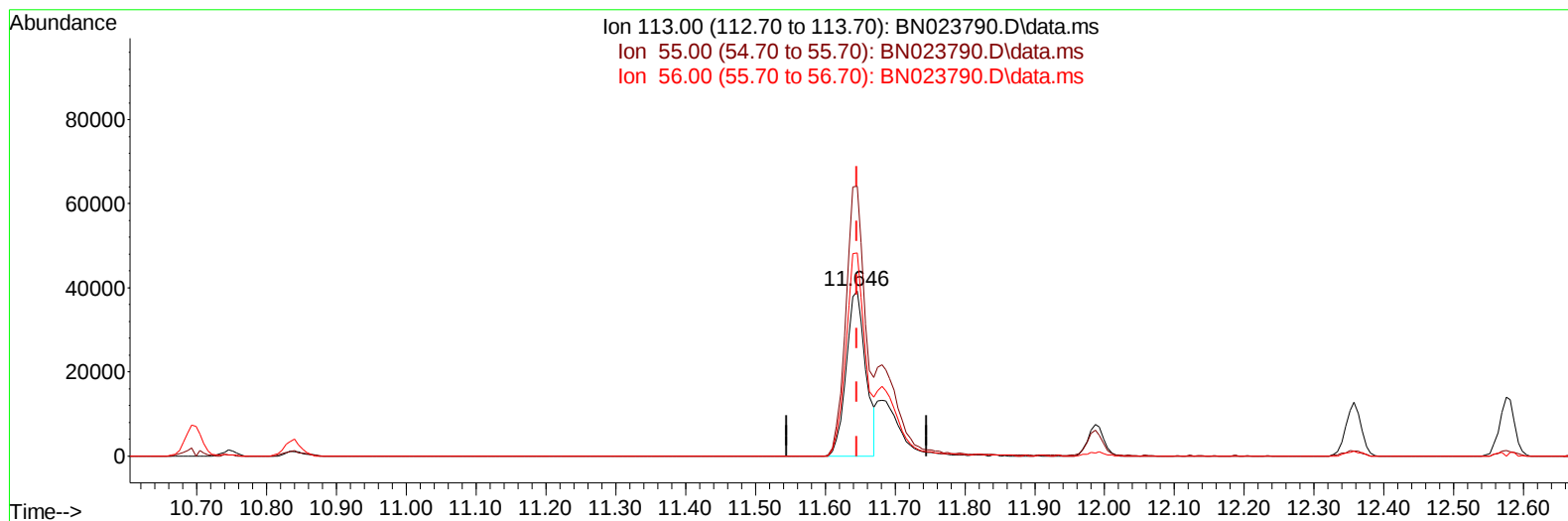
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012523\  
Data File : BN023790.D  
Acq On : 25 Jan 2023 12:03  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jan 25 22:46:25 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 25 22:45:29 2023  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/26/2023  
Supervised By :mohammad ahmed 01/27/2023



TIC: BN023790.D\data.ms

(34) Caprolactam

11.646min ( 0.000) 13.76 ng/ul

response 75521

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 161.40 | 163.21 |
| 56.00  | 117.80 | 123.14 |
| 0.00   | 0.00   | 0.00   |

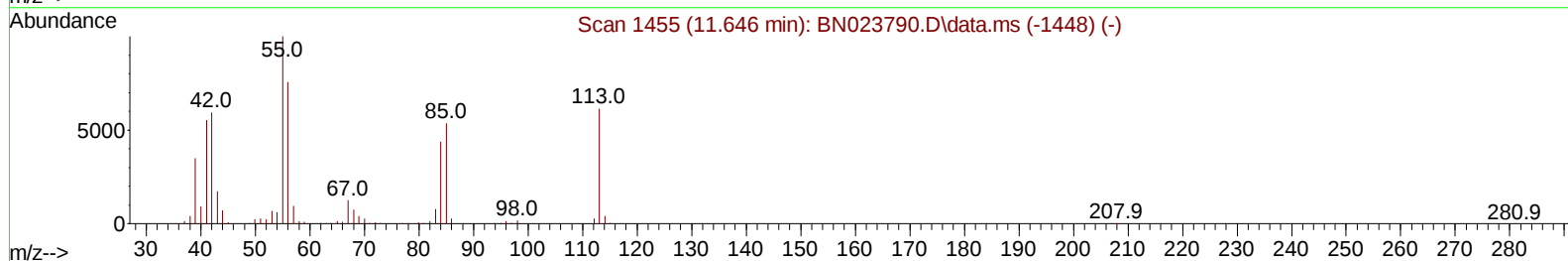
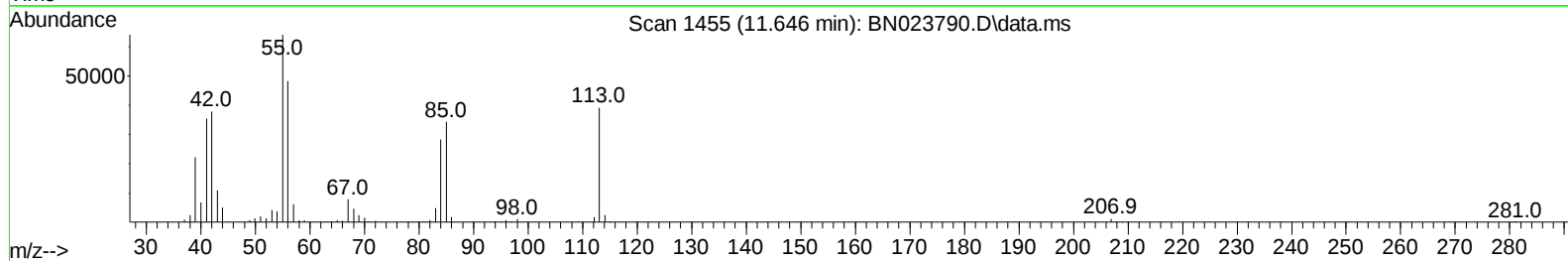
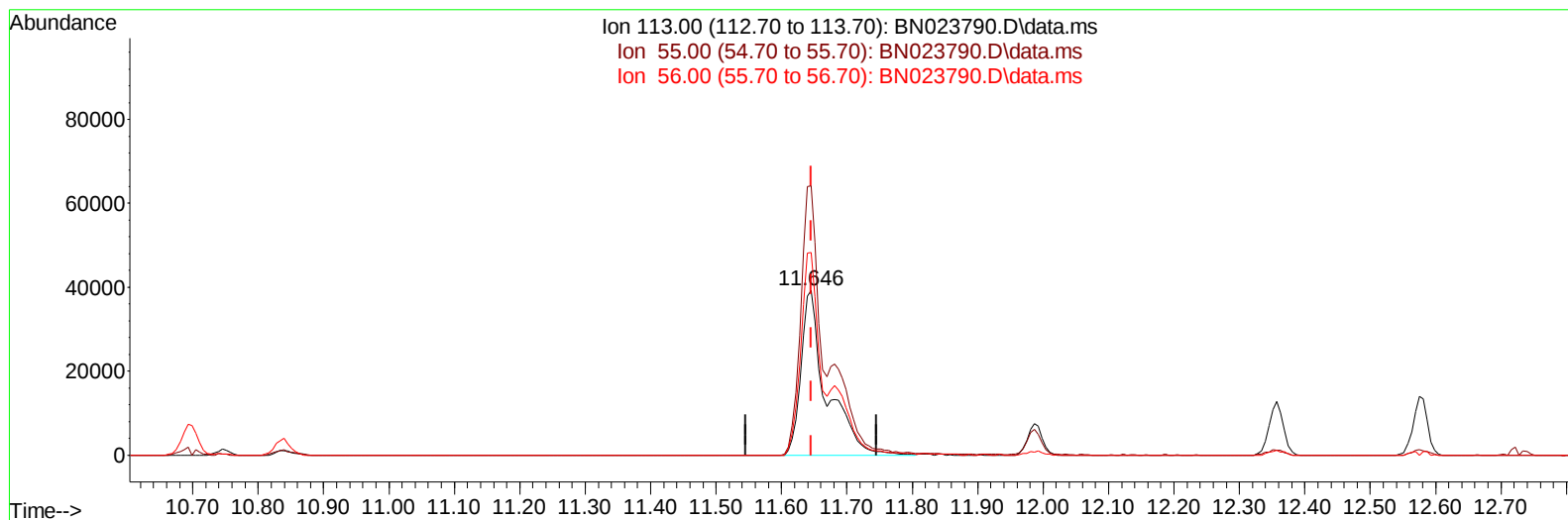
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012523\  
 Data File : BN023790.D  
 Acq On : 25 Jan 2023 12:03  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jan 25 22:46:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 22:45:29 2023  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/26/2023  
 Supervised By :mohammad ahmed 01/27/2023



TIC: BN023790.D\data.ms

**(34) Caprolactam**

**11.646min ( 0.000) 19.43 ng/ul m**

**response 106598**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 161.40 | 163.21 |
| 56.00  | 117.80 | 123.14 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012523\  
 Data File : BN023790.D  
 Acq On : 25 Jan 2023 12:03  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jan 25 22:46:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 22:45:29 2023  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/26/2023  
 Supervised By :mohammad ahmed 01/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.887  | 152  | 256178   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.693 | 136  | 1072459  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.534 | 164  | 631723   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.281 | 188  | 1279535  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 1265135  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.880 | 264  | 1303559  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 51084    | 8.581  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 368675   | 20.641 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 451381   | 19.881 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.216  | 67   | 285317   | 20.484 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.416  | 132  | 368614   | 21.199 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.604  | 113  | 357664   | 19.737 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 176460   | 21.820 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.775  | 143  | 196278   | 22.927 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.316 | 165  | 349359   | 21.395 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 504485   | 19.641 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 1007340  | 21.436 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 1165480  | 22.384 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 185744   | 19.416 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.528 | 176  | 777615   | 19.365 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200  | 139555   | 18.080 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.381 | 188  | 1305976  | 22.809 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.674 | 212  | 1516793  | 20.963 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 1408589  | 21.851 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 53854    | 8.569  | ng/uL  | 99       |
| 5) Pyridine                   | 3.717  | 79   | 371082   | 20.295 | ng/ul  | 100      |
| 6) Benzaldehyde               | 7.022  | 77   | 191785   | 21.811 | ng/ul  | 98       |
| 8) Phenol                     | 7.075  | 94   | 462189   | 19.998 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.310  | 93   | 372297   | 20.387 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.446  | 128  | 368859   | 20.527 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.334  | 108  | 345284   | 19.852 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.416  | 45   | 499977   | 20.471 | ng/ul  | 99       |
| 16) Acetophenone              | 8.716  | 105  | 558526   | 19.941 | ng/ul  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.704  | 70   | 287278   | 20.370 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.663  | 108  | 380427   | 19.862 | ng/ul  | 97       |
| 19) Hexachloroethane          | 8.963  | 117  | 152427   | 21.209 | ng/ul  | 96       |
| 22) Nitrobenzene              | 9.099  | 77   | 443004   | 21.887 | ng/ul  | 98       |
| 23) Isophorone                | 9.628  | 82   | 783692   | 21.409 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.810  | 139  | 208816   | 21.943 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.869  | 107  | 411447   | 21.305 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93   | 496674   | 20.918 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.346 | 162  | 344171   | 21.064 | ng/ul  | 98       |
| 30) Naphthalene               | 10.746 | 128  | 1192079  | 20.677 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 511378   | 19.879 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 11.028 | 225  | 213914   | 21.167 | ng/ul  | 99       |
| 34) Caprolactam               | 11.646 | 113  | 106598m  | 19.425 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 377558   | 21.193 | ng/ul  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012523\  
 Data File : BN023790.D  
 Acq On : 25 Jan 2023 12:03  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jan 25 22:46:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 22:45:29 2023  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/26/2023  
 Supervised By :mohammad ahmed 01/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.357 | 142  | 790610   | 20.571 | ng/ul | 97       |
| 37) 1-Methylnaphthalene       | 12.575 | 142  | 799329   | 20.357 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.722 | 216  | 409582   | 21.922 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.704 | 237  | 244678   | 20.779 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.969 | 196  | 269202   | 21.859 | ng/ul | 92       |
| 42) 2,4,5-Trichlorophenol     | 13.040 | 196  | 292195   | 21.695 | ng/ul | 89       |
| 43) 1,1'-Biphenyl             | 13.369 | 154  | 1029137  | 21.116 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.410 | 162  | 801223   | 21.190 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.622 | 65   | 244273   | 23.426 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.992 | 163  | 1005617  | 21.296 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.116 | 165  | 203541   | 22.801 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.257 | 152  | 1253602  | 21.653 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.445 | 138  | 187149   | 20.920 | ng/ul | 100      |
| 52) Acenaphthene              | 14.598 | 153  | 863903   | 21.165 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 73073    | 12.524 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.751 | 109  | 153365   | 19.851 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.934 | 168  | 1180723  | 20.782 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 288742   | 22.156 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 245373   | 21.261 | ng/ul | 95       |
| 59) Diethylphthalate          | 15.357 | 149  | 947741   | 20.036 | ng/ul | 99       |
| 61) Fluorene                  | 15.581 | 166  | 872980   | 18.975 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 430858   | 19.237 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 157386   | 19.109 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.663 | 198  | 138164   | 18.138 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.792 | 169  | 743347   | 20.701 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.475 | 248  | 253720   | 19.783 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.586 | 284  | 302821   | 20.148 | ng/ul | 98       |
| 70) Atrazine                  | 16.745 | 200  | 269425   | 20.048 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.928 | 266  | 187322   | 19.529 | ng/ul | 96       |
| 72) Phenanthrene              | 17.322 | 178  | 1530711  | 22.326 | ng/ul | 100      |
| 74) Anthracene                | 17.416 | 178  | 1533742  | 22.478 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.334 | 216  | 402787   | 23.382 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.851 | 250  | 395607   | 22.926 | ng/uL | 97       |
| 77) Carbazole                 | 17.686 | 167  | 1417657  | 22.882 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 1750421  | 23.796 | ng/ul | 99       |
| 80) Fluoranthene              | 19.339 | 202  | 1791308  | 21.167 | ng/ul | 99       |
| 82) Pyrene                    | 19.704 | 202  | 1849889  | 20.695 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.604 | 149  | 827674   | 23.388 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 578347   | 20.927 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 1792614  | 20.918 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.380 | 149  | 1165549  | 22.684 | ng/ul | 97       |
| 87) Chrysene                  | 21.516 | 228  | 1704634  | 21.215 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.316 | 149  | 1946524  | 21.636 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.145 | 252  | 1776569  | 21.395 | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 23.198 | 252  | 1744392  | 21.239 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.774 | 252  | 1513631  | 21.019 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.374 | 276  | 1799447  | 20.219 | ng/ul | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.392 | 278  | 1533912  | 20.844 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.139 | 276  | 1432473  | 20.211 | ng/ul | 97       |

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

**Instrument :**  
BNA\_N  
**LabSampleId :**  
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/26/2023  
Supervised By :mohammad ahmed 01/27/2023

