

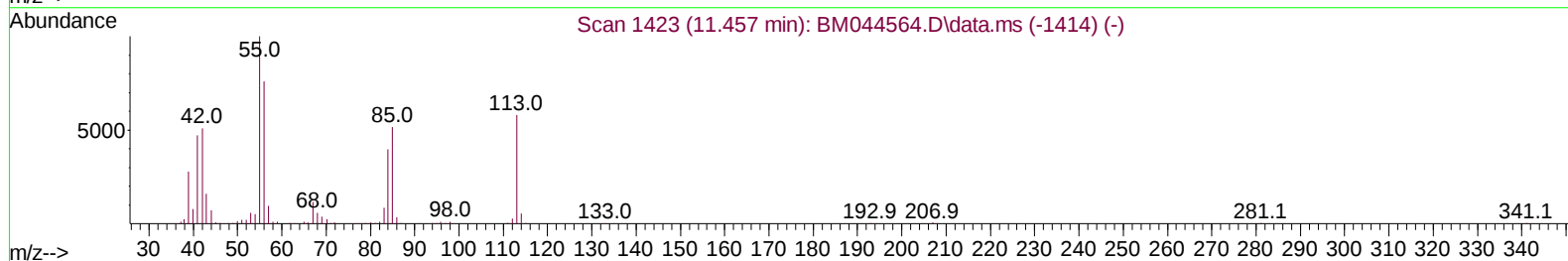
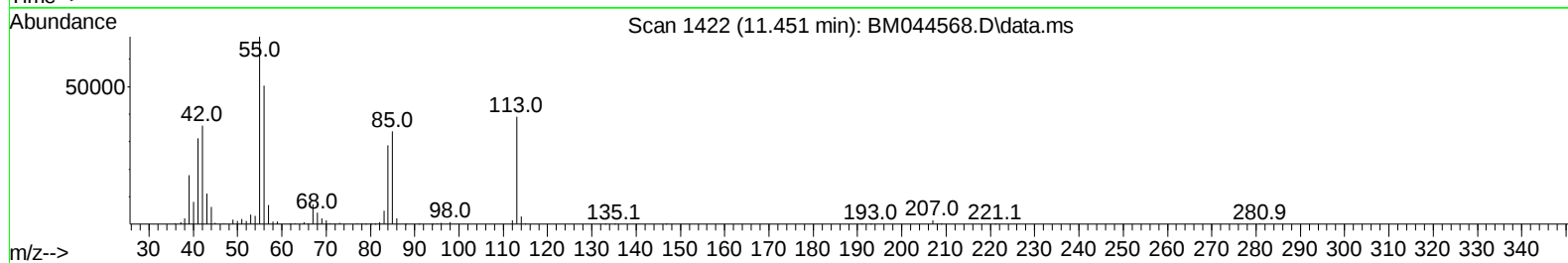
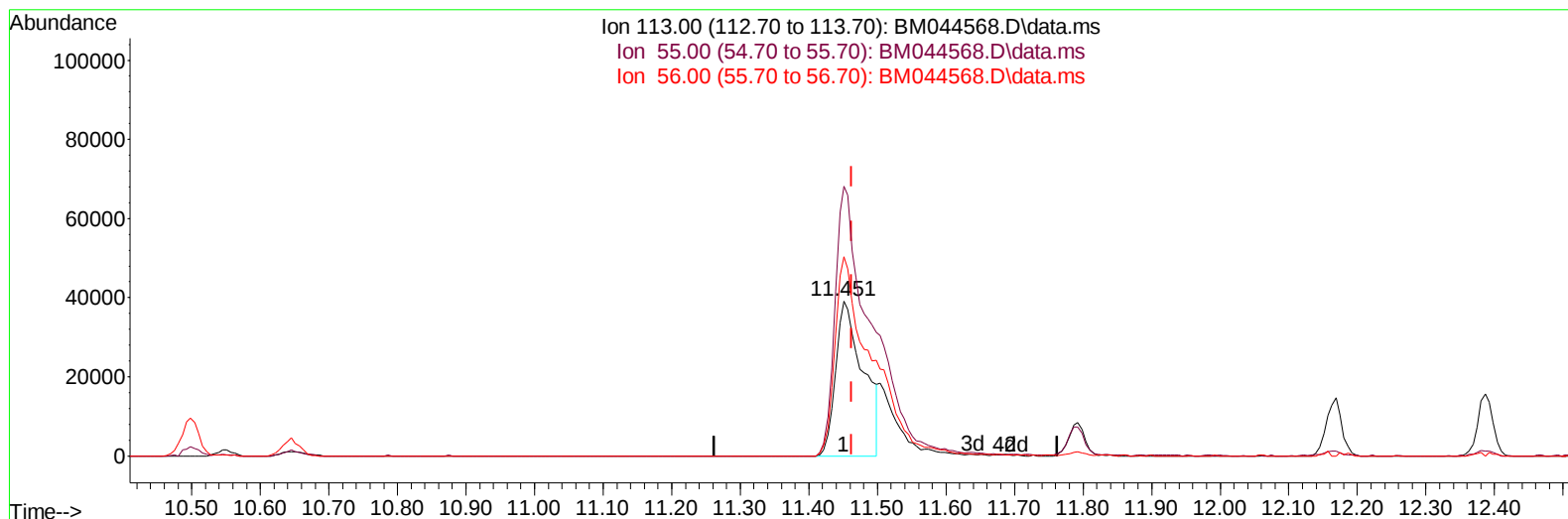
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030824\  
 Data File : BM044568.D  
 Acq On : 08 Mar 2024 17:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 08 17:40:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/09/2024  
 Supervised By :mohammad ahmed 03/09/2024



TIC: BM044568.D\data.ms

**(34) Caprolactam**

**11.451min (-0.012) 13.20 ng/ul**

**response 108605**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.40 | 174.08 |
| 56.00  | 127.70 | 128.80 |
| 0.00   | 0.00   | 0.00   |

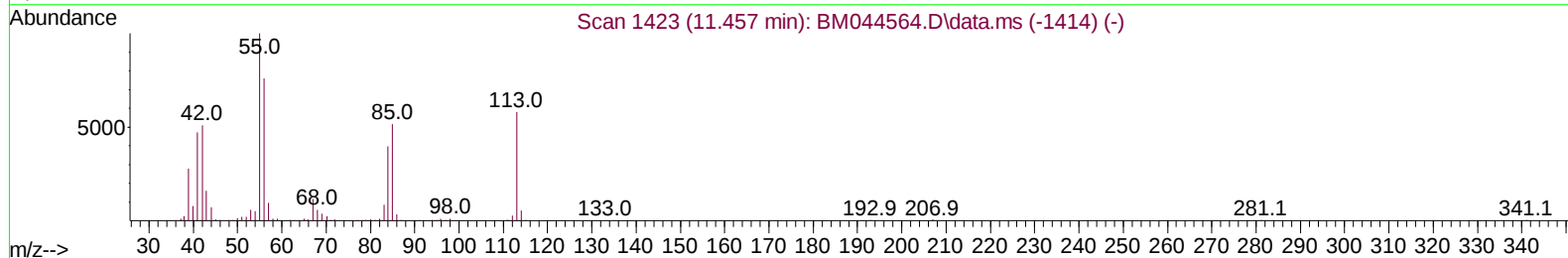
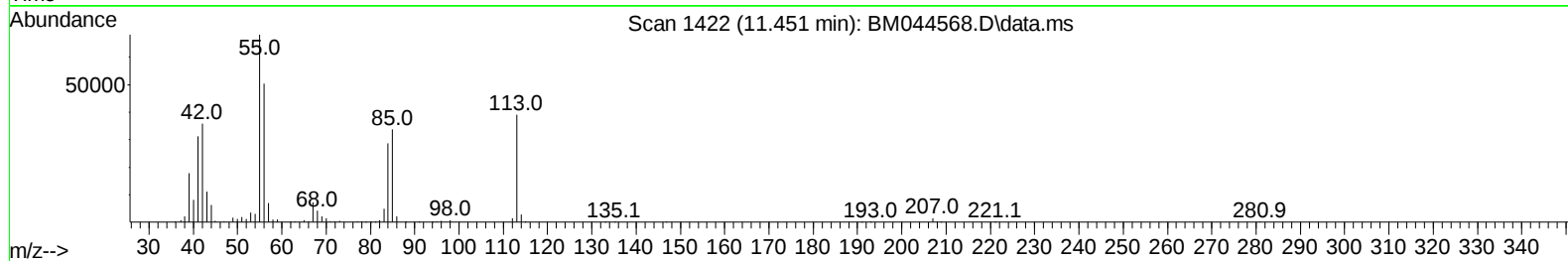
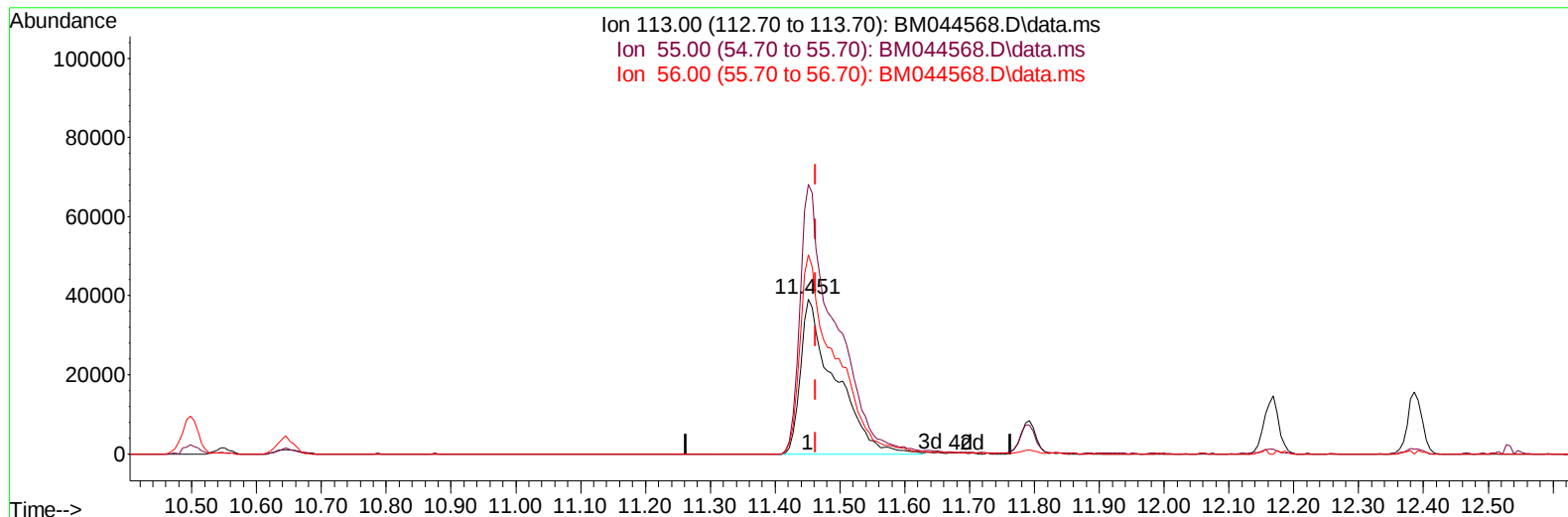
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030824\  
 Data File : BM044568.D  
 Acq On : 08 Mar 2024 17:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 08 17:40:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/09/2024  
 Supervised By :mohammad ahmed 03/09/2024



TIC: BM044568.D\data.ms

**(34) Caprolactam**

11.451min (-0.012) 17.55 ng/ul m

response 144384

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 168.40 | 174.08 |
| 56.00  | 127.70 | 128.80 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030824\  
 Data File : BM044568.D  
 Acq On : 08 Mar 2024 17:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 08 17:45:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/09/2024  
 Supervised By :mohammad ahmed 03/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.716  | 152  | 300835   | 20.000 | ng/ul  | -0.02    |
| 20) Naphthalene-d8            | 10.498 | 136  | 1369853  | 20.000 | ng/ul  | -0.02    |
| 38) Acenaphthene-d10          | 14.363 | 164  | 859994   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.115 | 188  | 1736631  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.309 | 240  | 1467648  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.568 | 264  | 1441093  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 60130    | 6.779  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.669  | 84   | 449741   | 17.227 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 6.887  | 99   | 557235   | 18.016 | ng/ul  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 357121   | 18.693 | ng/ul  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.251  | 132  | 424867   | 18.693 | ng/ul  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 442579   | 18.220 | ng/ul  | -0.02    |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 222261   | 19.268 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.592  | 143  | 244141   | 19.633 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.122 | 165  | 426421   | 20.149 | ng/ul  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.645 | 131  | 669703   | 19.053 | ng/ul  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.780 | 166  | 1266392  | 18.772 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1464179  | 18.978 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.574 | 143  | 255805   | 18.285 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.357 | 176  | 1066876  | 18.819 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 200  | 211772   | 18.786 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.215 | 188  | 1629549  | 19.631 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.515 | 212  | 1811464  | 20.124 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.421 | 264  | 1450365  | 19.148 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 62707    | 6.829  | ng/uL  | 95       |
| 5) Pyridine                   | 3.687  | 79   | 465530   | 17.193 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.875  | 77   | 316387   | 23.485 | ng/ul  | 96       |
| 8) Phenol                     | 6.916  | 94   | 570944   | 18.087 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.157  | 93   | 474240   | 18.296 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.281  | 128  | 436230   | 18.608 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.157  | 108  | 433518   | 18.098 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.240  | 45   | 678339   | 19.817 | ng/ul  | 99       |
| 16) Acetophenone              | 8.545  | 105  | 723641   | 19.209 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.528  | 70   | 384535   | 19.757 | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.487  | 108  | 480259   | 18.418 | ng/ul  | 94       |
| 19) Hexachloroethane          | 8.781  | 117  | 176883   | 18.419 | ng/ul  | 94       |
| 22) Nitrobenzene              | 8.922  | 77   | 541937   | 19.811 | ng/ul  | 98       |
| 23) Isophorone                | 9.439  | 82   | 1088876  | 19.510 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 263853   | 19.463 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.681  | 107  | 471509   | 19.115 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.928  | 93   | 679440   | 19.358 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.145 | 162  | 422755   | 20.009 | ng/ul  | 99       |
| 30) Naphthalene               | 10.551 | 128  | 1510000  | 19.463 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.669 | 127  | 648207   | 19.129 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.822 | 225  | 240166   | 20.280 | ng/ul  | 97       |
| 34) Caprolactam               | 11.451 | 113  | 144384m  | 17.547 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.792 | 107  | 482052   | 19.674 | ng/ul  | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030824\  
 Data File : BM044568.D  
 Acq On : 08 Mar 2024 17:00  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Mar 08 17:45:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 23:05:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 03/09/2024  
 Supervised By :mohammad ahmed 03/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.169 | 142  | 1032901  | 20.020 | ng/ul | 99       |
| 37) 1-Methylnaphthalene       | 12.386 | 142  | 1006513  | 19.776 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.533 | 216  | 481248   | 19.670 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.504 | 237  | 348185   | 21.438 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.780 | 196  | 331873   | 19.349 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.851 | 196  | 356568   | 19.398 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.192 | 154  | 1305806  | 19.121 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.227 | 162  | 1021832  | 19.067 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.451 | 65   | 329825   | 19.604 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.827 | 163  | 1296076  | 18.880 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.957 | 165  | 254995   | 18.597 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.080 | 152  | 1727013  | 19.206 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.280 | 138  | 283693   | 19.155 | ng/ul | 98       |
| 52) Acenaphthene              | 14.427 | 153  | 1127908  | 19.080 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.492 | 184  | 159968   | 18.239 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.586 | 109  | 181665   | 18.533 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.763 | 168  | 1515187  | 19.269 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.745 | 165  | 372307   | 18.810 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.986 | 232  | 291419   | 19.158 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.204 | 149  | 1318139  | 18.502 | ng/ul | 99       |
| 61) Fluorene                  | 15.416 | 166  | 1237360  | 19.240 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.416 | 204  | 588610   | 19.720 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.451 | 138  | 277503   | 19.604 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 227431   | 18.880 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.633 | 169  | 1028244  | 19.659 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.316 | 248  | 354846   | 20.429 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 409277   | 20.686 | ng/ul | 96       |
| 70) Atrazine                  | 16.598 | 200  | 344427   | 20.151 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.763 | 266  | 252686   | 19.342 | ng/ul | 98       |
| 72) Phenanthrene              | 17.157 | 178  | 1915252  | 19.441 | ng/ul | 100      |
| 74) Anthracene                | 17.251 | 178  | 1966158  | 19.734 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.145 | 216  | 471958   | 20.347 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.674 | 250  | 466553   | 20.805 | ng/uL | 99       |
| 77) Carbazole                 | 17.527 | 167  | 1817224  | 19.410 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.098 | 149  | 2340325  | 18.584 | ng/ul | 100      |
| 80) Fluoranthene              | 19.180 | 202  | 2183070  | 20.365 | ng/ul | 98       |
| 82) Pyrene                    | 19.545 | 202  | 2269862  | 20.338 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.462 | 149  | 1001617  | 18.252 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.239 | 252  | 641617   | 20.210 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 2104408  | 19.094 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 1526226  | 19.075 | ng/ul | 99       |
| 87) Chrysene                  | 21.350 | 228  | 1919187  | 18.808 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.133 | 149  | 2469316  | 19.147 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.886 | 252  | 1865490  | 19.346 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 22.933 | 252  | 1873581  | 19.838 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.468 | 252  | 1703776  | 18.888 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.844 | 276  | 1830143  | 18.089 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.862 | 278  | 1543053  | 18.291 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.538 | 276  | 1417296  | 17.554 | ng/ul | 98       |

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

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 03/09/2024  
Supervised By :mohammad ahmed 03/09/2024

