

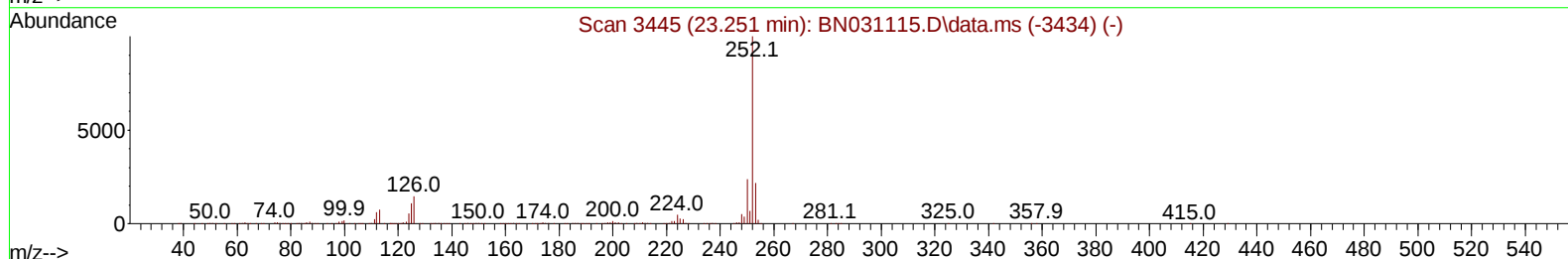
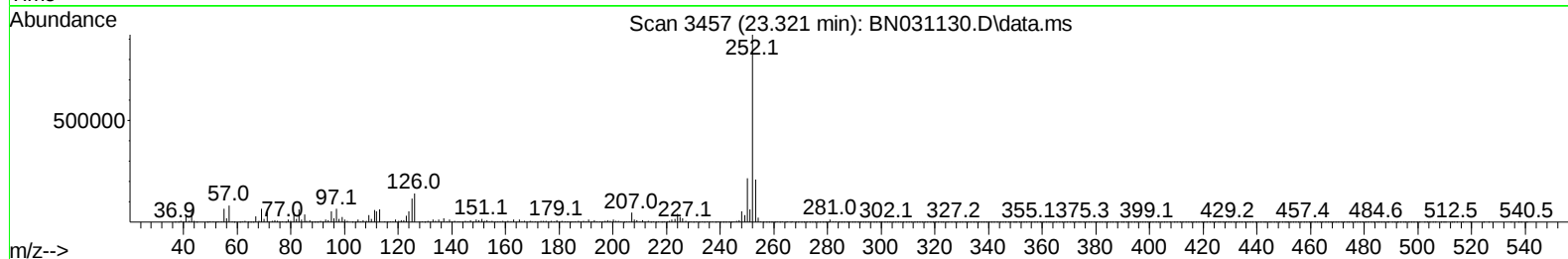
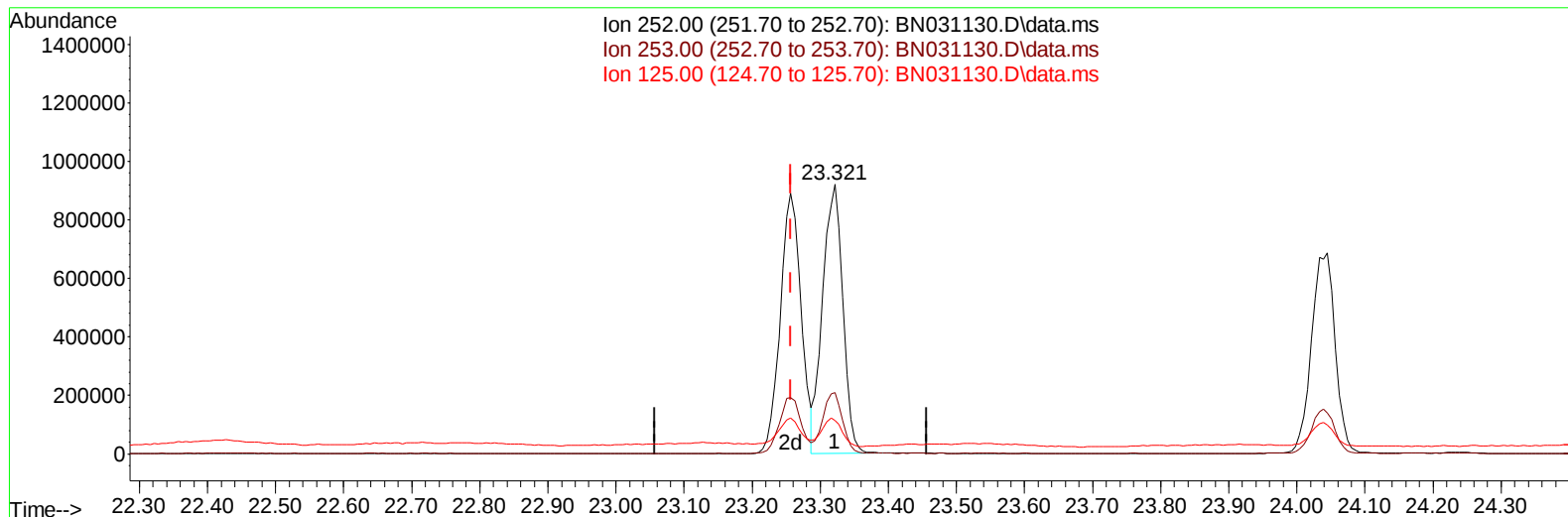
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
 Data File : BN031130.D  
 Acq On : 22 Apr 2024 20:14  
 Operator : MA/JU  
 Sample : PB160414BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS414

Manual IntegrationsAPPROVED

Quant Time: Apr 23 01:40:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/24/2024



TIC: BN031130.D\data.ms

**(90) Benzo(b)fluoranthene**

23.321min (+ 0.065) 31.58 ng/u1

response 1903228

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 22.70  |
| 125.00 | 10.70  | 12.43  |
| 0.00   | 0.00   | 0.00   |

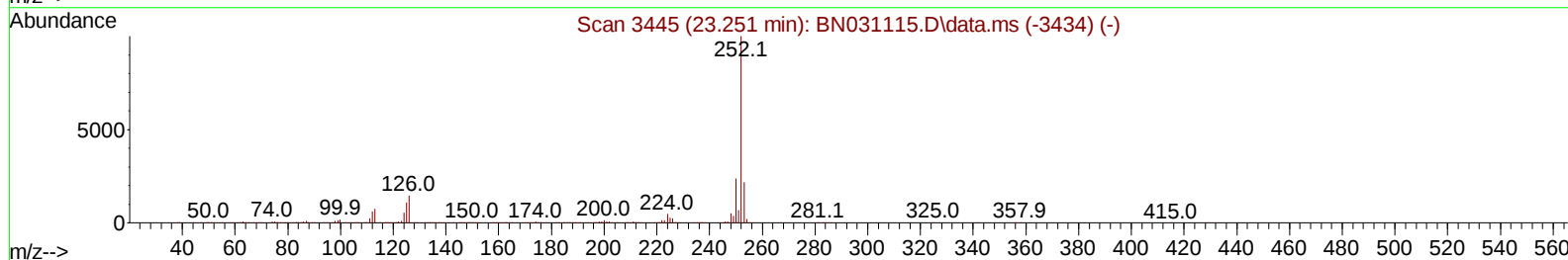
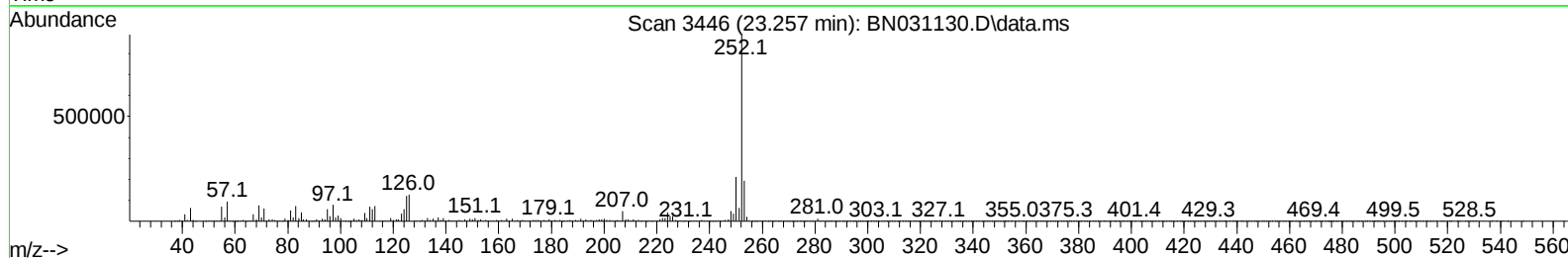
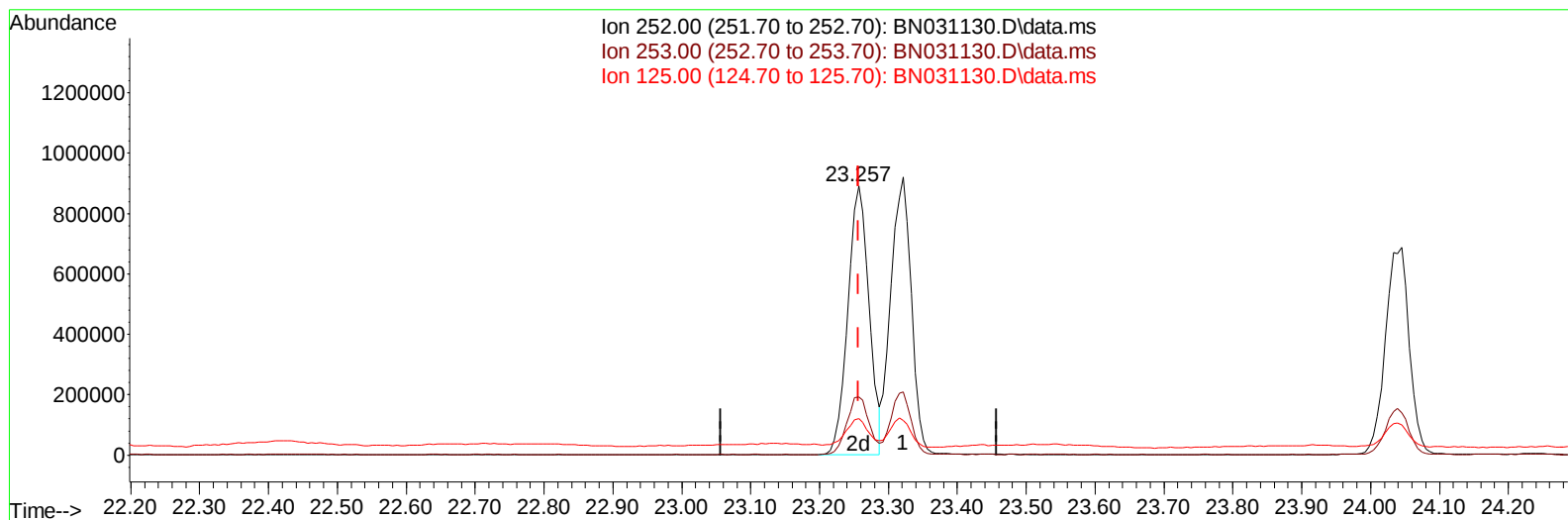
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

Quant Time: Apr 23 01:40:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
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 Supervised By :mohammad ahmed 04/24/2024



TIC: BN031130.D\data.ms

**(90) Benzo(b)fluoranthene**

**23.257min (-0.000) 31.51 ng/ul m**

**response 1899199**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 21.66  |
| 125.00 | 10.70  | 13.68# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
 Data File : BN031130.D  
 Acq On : 22 Apr 2024 20:14  
 Operator : MA/JU  
 Sample : PB160414BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS414

Manual IntegrationsAPPROVED

Quant Time: Apr 23 01:40:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.634  | 152  | 113777   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 522418   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164  | 354607   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188  | 786046   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.274 | 240  | 801592   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.174 | 264  | 1071181  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.140  | 96   | 17679    | 7.259  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84   | 206229   | 29.405 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.811  | 99   | 314276   | 32.744 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 173932   | 31.148 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 249829   | 33.431 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.340  | 113  | 253440   | 31.399 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 124284   | 33.111 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.505  | 143  | 132618   | 33.990 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 258630   | 33.613 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 365749   | 30.418 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 786857   | 31.887 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 928808   | 33.216 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.498 | 143  | 168004   | 32.620 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.281 | 176  | 702516   | 32.703 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 121369   | 30.604 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188  | 1111980  | 32.638 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 1337162  | 33.947 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 1692794  | 33.325 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 24624    | 9.541  | ng/ul# | 86       |
| 5) Pyridine                   | 3.570  | 79   | 208917   | 29.519 | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.787  | 77   | 174214   | 36.967 | ng/ul  | 98       |
| 8) Phenol                     | 6.834  | 94   | 311470   | 31.477 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.069  | 93   | 233865   | 29.954 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.199  | 128  | 252444   | 32.499 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.075  | 108  | 233218   | 30.413 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 300486   | 29.519 | ng/ul  | 99       |
| 16) Acetophenone              | 8.457  | 105  | 375362   | 30.014 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70   | 184502   | 29.598 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.405  | 108  | 264888   | 30.838 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.699  | 117  | 99517    | 30.874 | ng/ul  | 93       |
| 22) Nitrobenzene              | 8.834  | 77   | 274594   | 30.996 | ng/ul  | 99       |
| 23) Isophorone                | 9.352  | 82   | 546844   | 30.248 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 139098   | 32.223 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 220353   | 25.030 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 326797   | 29.760 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.063 | 162  | 248530   | 32.339 | ng/ul  | 96       |
| 30) Naphthalene               | 10.463 | 128  | 823887   | 30.430 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.581 | 127  | 346614   | 29.668 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.746 | 225  | 143545   | 30.639 | ng/ul  | 95       |
| 34) Caprolactam               | 11.357 | 113  | 92973    | 30.705 | ng/ul  | 94       |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 280608   | 31.492 | ng/ul  | 95       |

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 Operator : MA/JU  
 Sample : PB160414BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS414

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/24/2024

Quant Time: Apr 23 01:40:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 583871   | 30.581 | ng/ul | 97       |
| 37) 1-Methylnaphthalene       | 12.304 | 142  | 593608   | 30.726 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 292263   | 31.497 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 109190   | 21.422 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 202184   | 32.736 | ng/ul | 89       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 227368   | 33.204 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 759554   | 31.144 | ng/ul | 97       |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 608380   | 31.218 | ng/ul | 97       |
| 45) 2-Nitroaniline            | 13.369 | 65   | 179737   | 33.408 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.745 | 163  | 759586   | 29.838 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.869 | 165  | 152630   | 31.940 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.004 | 152  | 998789   | 30.578 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.198 | 138  | 180711   | 32.940 | ng/ul | 95       |
| 52) Acenaphthene              | 14.345 | 153  | 654721   | 30.237 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 74471    | 27.557 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.510 | 109  | 128649   | 30.779 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.687 | 168  | 921110   | 30.767 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 231904   | 31.938 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 193240   | 32.653 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.116 | 149  | 795908   | 30.401 | ng/ul | 99       |
| 61) Fluorene                  | 15.334 | 166  | 744830   | 30.232 | ng/ul | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 356778   | 30.403 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.369 | 138  | 209360   | 35.396 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 128606   | 30.201 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 673998   | 31.990 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 233024   | 31.347 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.334 | 284  | 264686   | 30.886 | ng/ul | 99       |
| 70) Atrazine                  | 16.510 | 200  | 227790   | 30.796 | ng/ul | 96       |
| 71) Pentachlorophenol         | 16.681 | 266  | 183416   | 32.942 | ng/ul | 99       |
| 72) Phenanthrene              | 17.075 | 178  | 1259065  | 30.284 | ng/ul | 99       |
| 74) Anthracene                | 17.169 | 178  | 1277616  | 30.366 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.069 | 216  | 300255   | 32.566 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 293481   | 30.825 | ng/uL | 98       |
| 77) Carbazole                 | 17.439 | 167  | 1245607  | 32.410 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.010 | 149  | 1533373  | 32.732 | ng/ul | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 1514763  | 32.493 | ng/ul | 100      |
| 82) Pyrene                    | 19.463 | 202  | 1627704  | 33.231 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.375 | 149  | 743709   | 34.410 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 591302   | 35.402 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.257 | 228  | 1666001  | 30.606 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.180 | 149  | 1095572  | 33.760 | ng/ul | 99       |
| 87) Chrysene                  | 21.316 | 228  | 1657614  | 32.081 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 2158581  | 34.960 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 1899199m | 31.511 | ng/ul |          |
| 91) Benzo(k)fluoranthene      | 23.321 | 252  | 1903228  | 31.397 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.045 | 252  | 1662024  | 27.642 | ng/ul | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.439 | 276  | 2250588  | 30.164 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.486 | 278  | 1847435  | 30.167 | ng/ul | 96       |
| 96) Benzo(g,h,i)perylene      | 28.451 | 276  | 1717669  | 28.588 | ng/ul | 98       |

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

**Instrument :**

BNA\_N

**ClientSampleId :**

SLCS414

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024

