

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120123\  
 Data File : BP018515.D  
 Acq On : 02 Dec 2023 14:20  
 Operator : MA/JU  
 Sample : PB157193BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :

BNA\_P

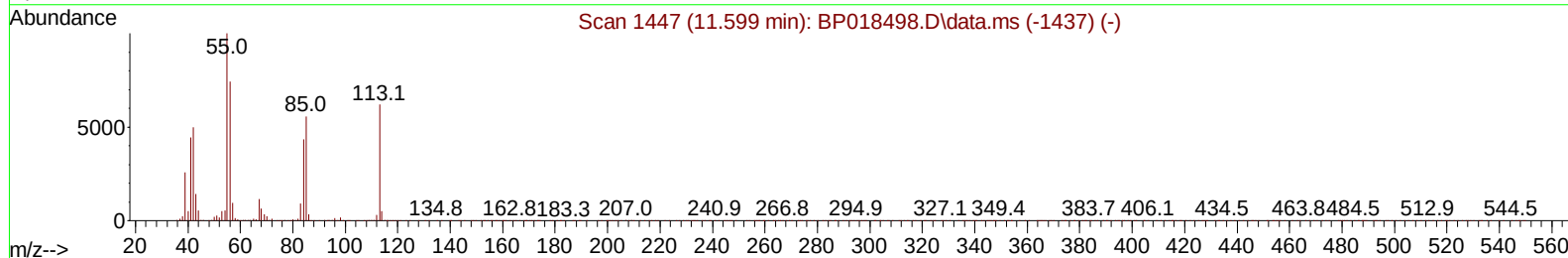
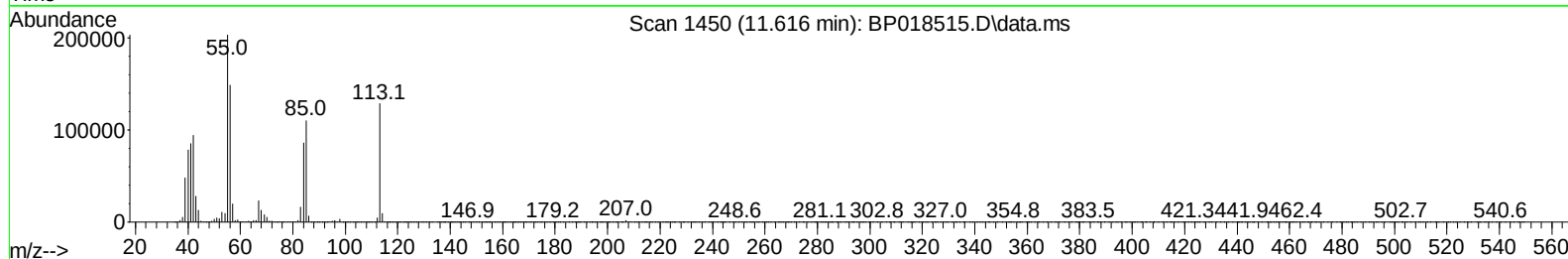
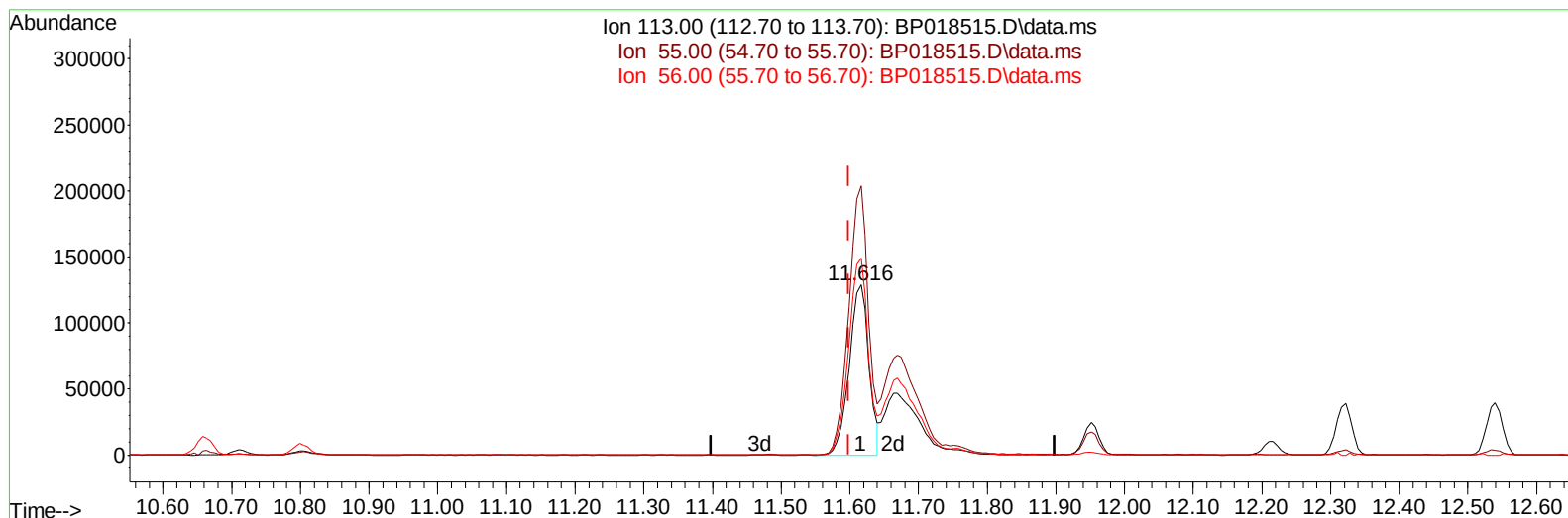
ClientSampleId :

SLCS193

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:31:14 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 01 21:56:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/04/2023



TIC: BP018515.D\data.ms

**(34) Caprolactam**

11.616min (+ 0.018) 21.71 ng/ul

response 257337

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 167.10 | 158.13 |
| 56.00  | 121.80 | 115.73 |
| 0.00   | 0.00   | 0.00   |

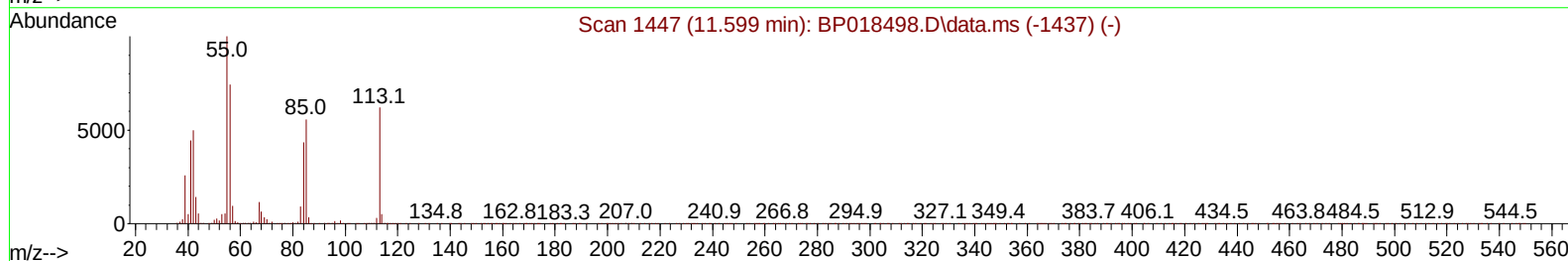
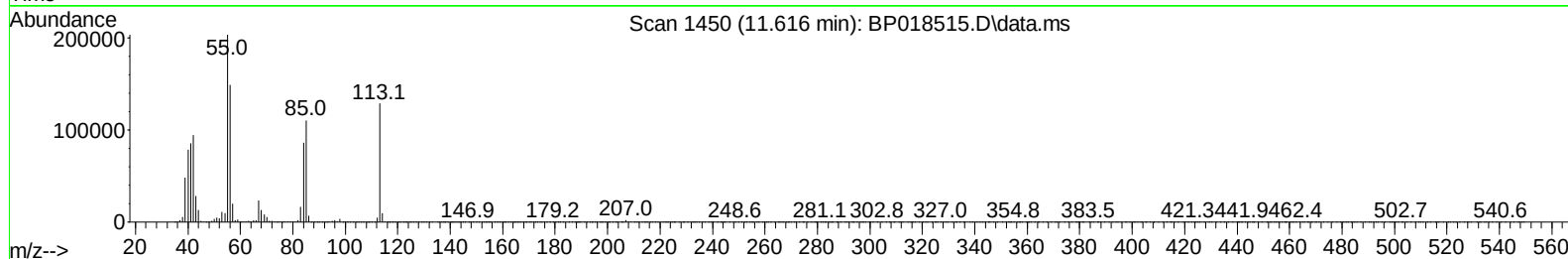
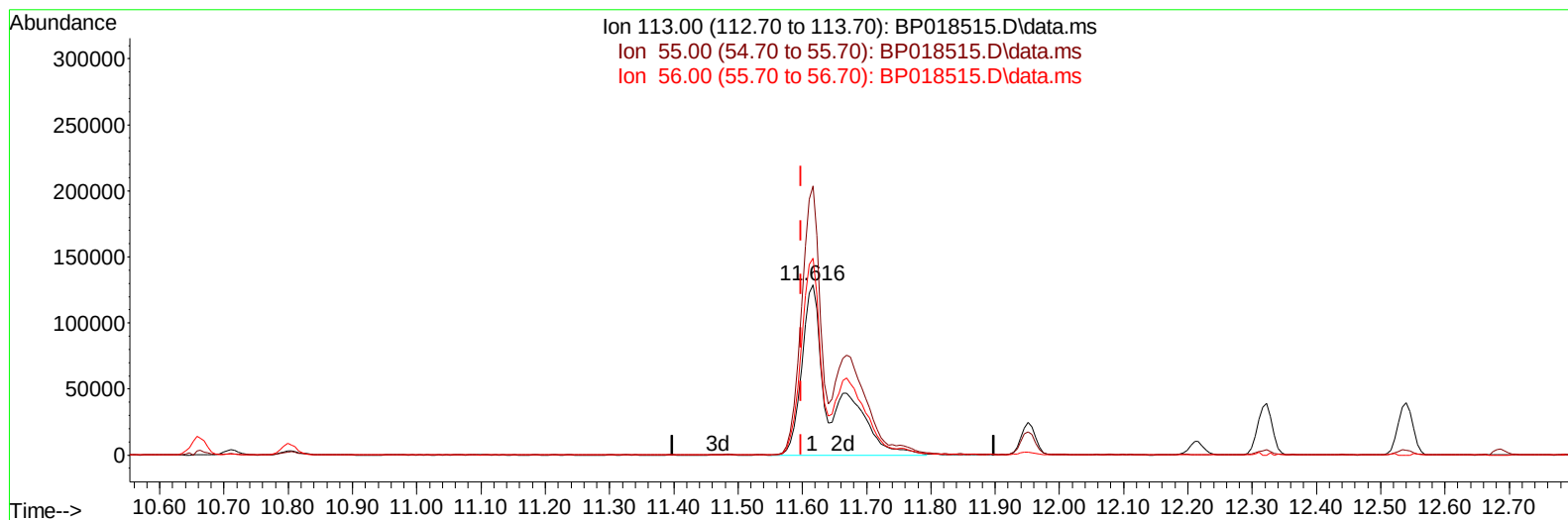
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120123\  
 Data File : BP018515.D  
 Acq On : 02 Dec 2023 14:20  
 Operator : MA/JU  
 Sample : PB157193BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS193

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:31:14 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 01 21:56:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/04/2023



TIC: BP018515.D\data.ms

**(34) Caprolactam**

11.616min (+ 0.018) 35.90 ng/ul m

response 425412

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 167.10 | 158.13 |
| 56.00  | 121.80 | 115.73 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120123\  
 Data File : BP018515.D  
 Acq On : 02 Dec 2023 14:20  
 Operator : MA/JU  
 Sample : PB157193BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS193

Manual IntegrationsAPPROVED

Quant Time: Dec 02 22:13:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 01 21:56:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/04/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.864  | 152  | 478851   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.663 | 136  | 2126622  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.493 | 164  | 1391925  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.240 | 188  | 2992510  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.322 | 240  | 2111828  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.698 | 264  | 2185353  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.270  | 96   | 76424    | 5.439  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 1012331  | 26.896 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.034  | 99   | 1516205  | 31.552 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.199  | 67   | 871277   | 30.591 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.393  | 132  | 1133651  | 30.233 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.581  | 113  | 1165131  | 29.960 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.028  | 128  | 570293   | 30.130 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.746  | 143  | 616515   | 31.417 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.281 | 165  | 1212285  | 30.212 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.805 | 131  | 1375575  | 26.231 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.910 | 166  | 3661823  | 29.476 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.187 | 160  | 4038121  | 29.520 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 662905   | 32.508 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.481 | 176  | 3066295  | 29.405 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 200  | 575943   | 32.098 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.340 | 188  | 4330571  | 27.527 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.575 | 212  | 4951821  | 30.123 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.545 | 264  | 3795428  | 29.786 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 157848   | 10.244 | ng/uL  | 99       |
| 5) Pyridine                   | 3.711  | 79   | 1055334  | 27.765 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.005  | 77   | 731788   | 29.495 | ng/ul  | 97       |
| 8) Phenol                     | 7.058  | 94   | 1507115  | 31.981 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.293  | 93   | 1188016  | 30.696 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.428  | 128  | 1124551  | 29.633 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.311  | 108  | 1084684  | 30.065 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.393  | 45   | 1465607  | 29.845 | ng/ul  | 99       |
| 16) Acetophenone              | 8.693  | 105  | 1798166  | 31.025 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.687  | 70   | 906551   | 28.433 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.646  | 108  | 1205672  | 30.604 | ng/ul  | 97       |
| 19) Hexachloroethane          | 8.940  | 117  | 457223   | 29.389 | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.069  | 77   | 1347858  | 29.289 | ng/ul  | 98       |
| 23) Isophorone                | 9.599  | 82   | 2714465  | 28.930 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.781  | 139  | 652858   | 31.072 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.840  | 107  | 689777   | 16.786 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.081 | 93   | 1686194  | 28.465 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.310 | 162  | 1147863  | 29.699 | ng/ul  | 98       |
| 30) Naphthalene               | 10.710 | 128  | 3703015  | 28.704 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.828 | 127  | 1321610  | 26.443 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 10.999 | 225  | 752975   | 29.089 | ng/ul  | 98       |
| 34) Caprolactam               | 11.616 | 113  | 425412m  | 35.896 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.952 | 107  | 1285467  | 29.689 | ng/ul  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120123\  
 Data File : BP018515.D  
 Acq On : 02 Dec 2023 14:20  
 Operator : MA/JU  
 Sample : PB157193BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS193

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 02 22:13:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 01 21:56:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.322 | 142  | 2626840  | 28.742 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.540 | 142  | 2586282  | 28.021 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.687 | 216  | 1498253  | 29.668 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.669 | 237  | 591716   | 19.768 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.928 | 196  | 915351   | 28.176 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.999 | 196  | 1037328  | 29.453 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.334 | 154  | 3502063  | 29.091 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.369 | 162  | 2801400  | 29.464 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.581 | 65   | 813999   | 31.581 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.957 | 163  | 3626622  | 29.657 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.075 | 165  | 752718   | 32.580 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.216 | 152  | 4460974  | 29.005 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.404 | 138  | 721215   | 31.271 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.557 | 153  | 2942020  | 28.931 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.604 | 184  | 382450   | 31.234 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.710 | 109  | 495004   | 32.130 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.893 | 168  | 4124973  | 29.186 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 1074295  | 33.056 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.116 | 232  | 786027   | 26.606 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.322 | 149  | 3564909  | 29.791 | ng/ul  | 100      |
| 61) Fluorene                  | 15.540 | 166  | 3225547  | 28.842 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.534 | 204  | 1701914  | 29.016 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.569 | 138  | 740322   | 33.695 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.622 | 198  | 622392   | 32.444 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.751 | 169  | 2837797  | 28.618 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.434 | 248  | 1110789  | 29.402 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.540 | 284  | 1272154  | 30.160 | ng/ul  | 98       |
| 70) Atrazine                  | 16.704 | 200  | 251184   | 8.520  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.887 | 266  | 652604   | 26.015 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.281 | 178  | 5309769  | 29.379 | ng/ul  | 100      |
| 74) Anthracene                | 17.375 | 178  | 4963044  | 27.396 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.293 | 216  | 1525968  | 29.491 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 1501153  | 29.535 | ng/uL  | 100      |
| 77) Carbazole                 | 17.645 | 167  | 4612064  | 31.943 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 5825797  | 30.302 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.245 | 202  | 5891676  | 30.320 | ng/ul  | 100      |
| 82) Pyrene                    | 19.598 | 202  | 5881089  | 30.001 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.481 | 149  | 2272075  | 31.660 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.245 | 252  | 1346724  | 26.242 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.310 | 228  | 5093085  | 29.712 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 3071461  | 31.139 | ng/ul  | 99       |
| 87) Chrysene                  | 21.363 | 228  | 4717271  | 29.884 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.157 | 149  | 4819101  | 30.203 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.974 | 252  | 4811045  | 29.859 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.022 | 252  | 4516694  | 28.971 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.592 | 252  | 4392140  | 29.832 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.174 | 276  | 5631966  | 32.017 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.192 | 278  | 4727648  | 32.308 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.933 | 276  | 4627034  | 32.685 | ng/ul  | 98       |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

SLCS193

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/04/2023

