

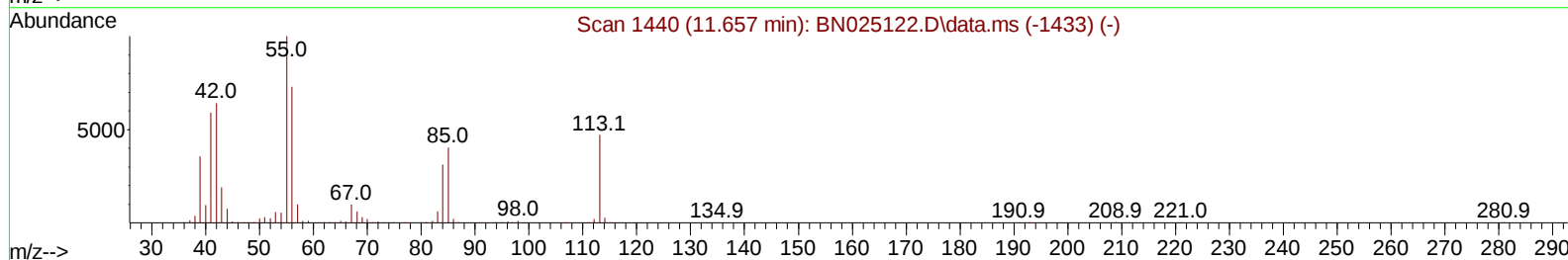
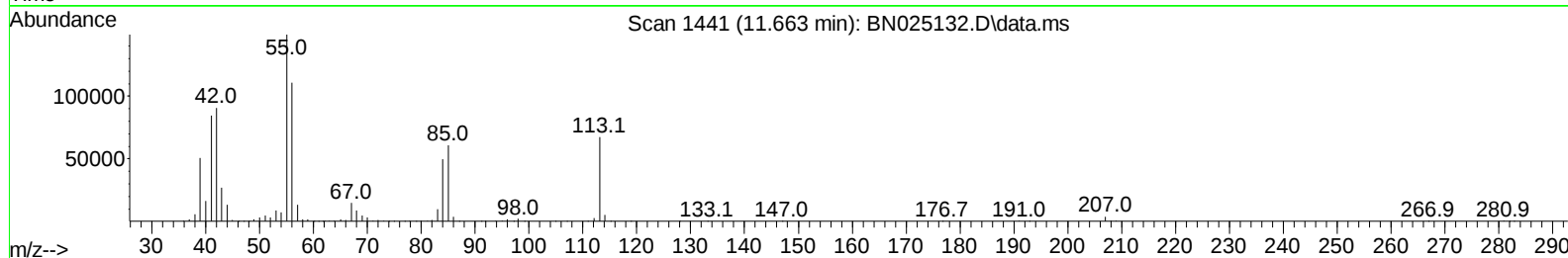
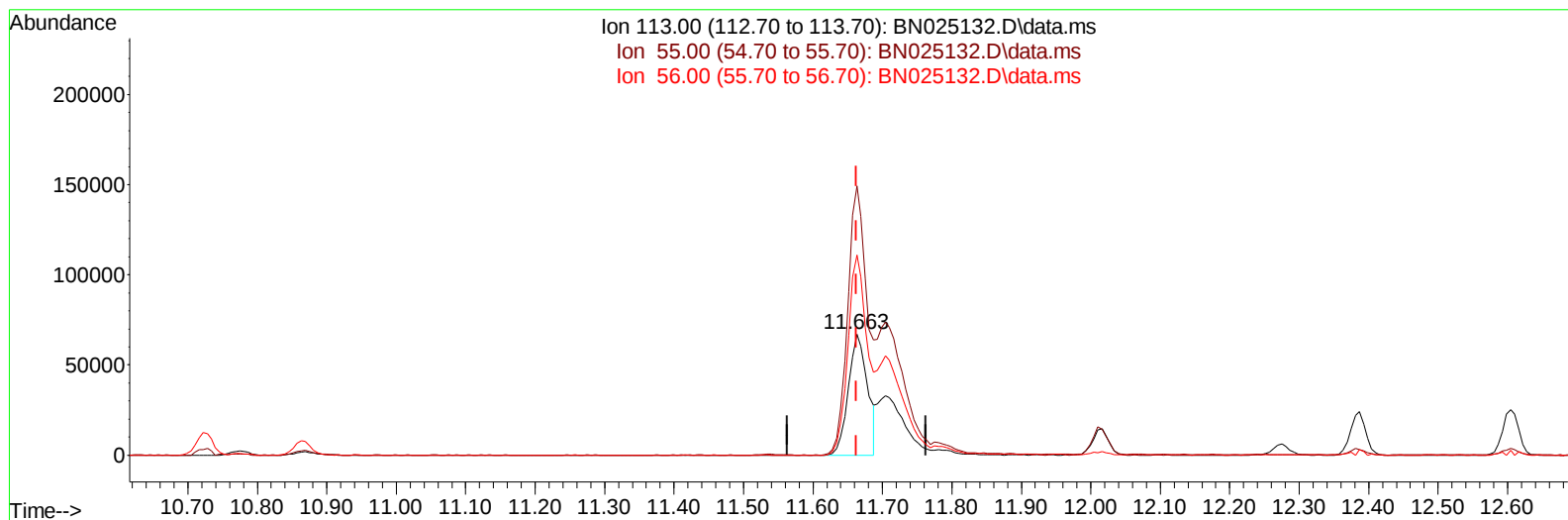
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042523\  
Data File : BN025132.D  
Acq On : 25 Apr 2023 16:34  
Operator : CG/JU  
Sample : PB152285BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS285

Manual IntegrationsAPPROVED

Quant Time: Apr 26 00:46:31 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Apr 25 08:52:18 2023  
Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/26/2023  
Supervised By :Jagrut Upadhyay 04/26/2023



TIC: BN025132.D\data.ms

(34) Caprolactam

11.663min (+ 0.000) 17.97 ng/ul

response 128446

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 235.40 | 222.19 |
| 56.00  | 166.90 | 165.15 |
| 0.00   | 0.00   | 0.00   |

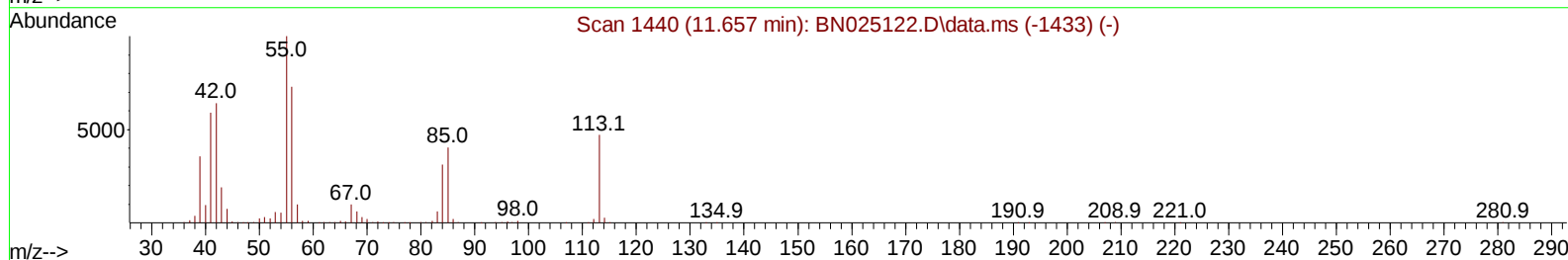
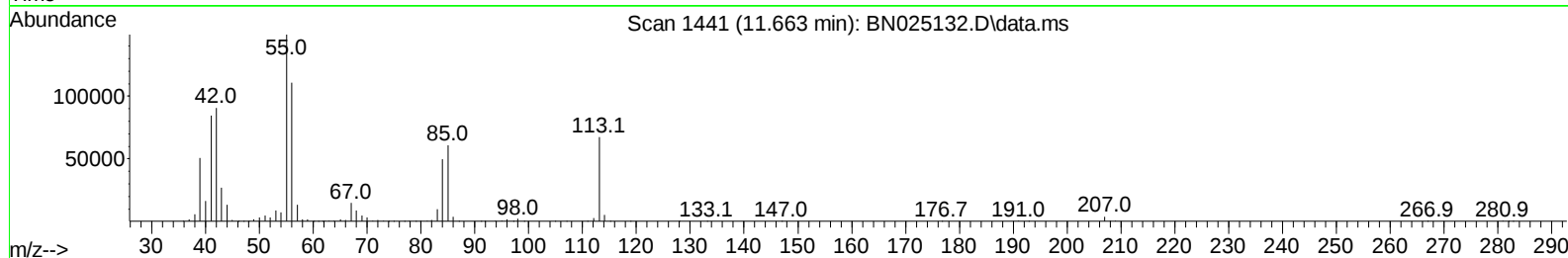
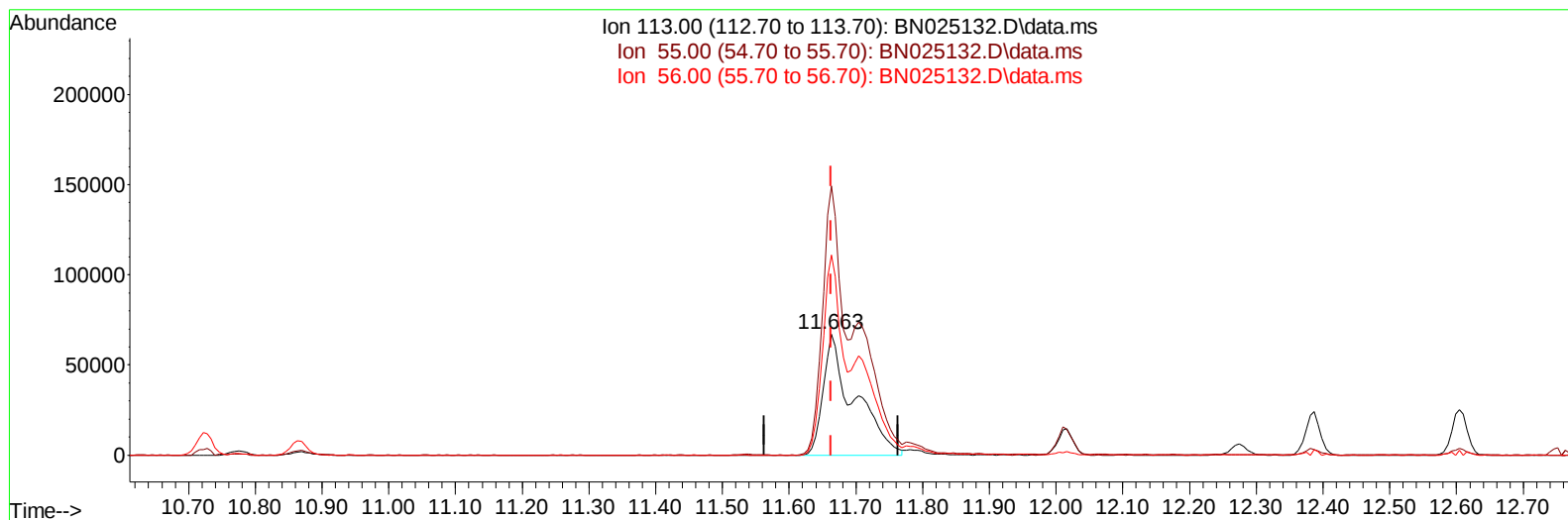
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042523\  
Data File : BN025132.D  
Acq On : 25 Apr 2023 16:34  
Operator : CG/JU  
Sample : PB152285BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS285

Manual IntegrationsAPPROVED

Quant Time: Apr 26 00:46:31 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Apr 25 08:52:18 2023  
Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/26/2023  
Supervised By :Jagrut Upadhyay 04/26/2023



TIC: BN025132.D\data.ms

(34) Caprolactam

11.663min (+ 0.000) 30.35 ng/ul m

response 216940

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 235.40 | 222.19 |
| 56.00  | 166.90 | 165.15 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042523\  
 Data File : BN025132.D  
 Acq On : 25 Apr 2023 16:34  
 Operator : CG/JU  
 Sample : PB152285BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS285

Manual IntegrationsAPPROVED

Quant Time: Apr 26 00:46:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 25 08:52:18 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/26/2023  
 Supervised By :Jagrut Upadhyay 04/26/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.911  | 152  | 282777   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.722 | 136  | 1296116  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.563 | 164  | 838336   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.310 | 188  | 1853360  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.504 | 240  | 1748051  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.927 | 264  | 1776542  | 20.000 | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 40978    | 5.515  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 614122   | 27.604 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.075  | 99   | 829697   | 30.095 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.240  | 67   | 559508   | 30.343 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.440  | 132  | 633532   | 31.270 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.628  | 113  | 671958   | 30.702 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.087  | 128  | 322473   | 30.728 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.805  | 143  | 363806   | 32.005 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.346 | 165  | 647877   | 31.888 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.863 | 131  | 897289   | 29.101 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.969 | 166  | 2025291  | 31.163 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.251 | 160  | 2322786  | 31.189 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 412817   | 30.988 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.557 | 176  | 1709281  | 31.151 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.675 | 200  | 361721   | 29.990 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.410 | 188  | 2631409  | 30.230 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 3094610  | 30.487 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.774 | 264  | 3028971  | 32.608 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.323  | 88   | 87168    | 10.872 | ng/uL  | 97       |
| 5) Pyridine                   | 3.734  | 79   | 620179   | 26.981 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.052  | 77   | 475539   | 35.303 | ng/ul  | 97       |
| 8) Phenol                     | 7.105  | 94   | 868955   | 30.265 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.334  | 93   | 677501   | 30.057 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.475  | 128  | 640785   | 30.282 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.358  | 108  | 630088   | 29.890 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.446  | 45   | 1343917  | 30.364 | ng/ul  | 100      |
| 16) Acetophenone              | 8.746  | 105  | 1055863  | 30.510 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.728  | 70   | 578824   | 31.009 | ng/ul  | 100      |
| 18) 4-Methylphenol            | 8.693  | 108  | 708219   | 30.212 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.993  | 117  | 254913   | 29.849 | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.128  | 77   | 850507   | 30.160 | ng/ul  | 99       |
| 23) Isophorone                | 9.652  | 82   | 1585998  | 30.639 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.840  | 139  | 378871   | 30.898 | ng/ul  | 100      |
| 26) 2,4-Dimethylphenol        | 9.899  | 107  | 667001   | 25.836 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.134 | 93   | 961906   | 29.860 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.369 | 162  | 630250   | 30.908 | ng/ul  | 99       |
| 30) Naphthalene               | 10.775 | 128  | 2165646  | 29.918 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.893 | 127  | 821972   | 26.334 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.057 | 225  | 370754   | 31.194 | ng/ul  | 97       |
| 34) Caprolactam               | 11.663 | 113  | 216940m  | 30.354 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.016 | 107  | 746514   | 31.224 | ng/ul  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042523\  
 Data File : BN025132.D  
 Acq On : 25 Apr 2023 16:34  
 Operator : CG/JU  
 Sample : PB152285BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS285

## Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 04/26/2023  
 Supervised By :Jagrut Upadhyay 04/26/2023

Quant Time: Apr 26 00:46:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 25 08:52:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.387 | 142  | 1459957  | 30.518 | ng/ul | 98       |
| 37) 1-Methylnaphthalene       | 12.604 | 142  | 1498528  | 31.379 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 740351   | 30.276 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.734 | 237  | 281669   | 18.890 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.993 | 196  | 503834   | 30.155 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.069 | 196  | 565417   | 30.924 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.393 | 154  | 1982352  | 29.678 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.440 | 162  | 1540159  | 29.696 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.646 | 65   | 571275   | 31.544 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.022 | 163  | 2043108  | 31.245 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.145 | 165  | 411575   | 32.246 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.281 | 152  | 2485352  | 30.384 | ng/ul | 97       |
| 51) 3-Nitroaniline            | 14.475 | 138  | 435059   | 32.436 | ng/ul | 97       |
| 52) Acenaphthene              | 14.628 | 153  | 1679215  | 29.694 | ng/ul | 97       |
| 53) 2,4-Dinitrophenol         | 14.681 | 184  | 222891   | 27.160 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 335575   | 30.950 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.957 | 168  | 2357287  | 30.242 | ng/ul | 96       |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 609866   | 33.009 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.187 | 232  | 476855   | 31.672 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.381 | 149  | 2067853  | 31.471 | ng/ul | 99       |
| 61) Fluorene                  | 15.610 | 166  | 1942401  | 30.982 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 938479   | 32.159 | ng/ul | 96       |
| 63) 4-Nitroaniline            | 15.634 | 138  | 473592   | 35.830 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.692 | 198  | 353768   | 29.942 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.816 | 169  | 1681315  | 29.902 | ng/ul | 97       |
| 68) 4-Bromophenyl-phenylether | 16.498 | 248  | 545927   | 29.305 | ng/ul | 92       |
| 69) Hexachlorobenzene         | 16.616 | 284  | 659602   | 31.273 | ng/ul | 99       |
| 70) Atrazine                  | 16.769 | 200  | 460296   | 24.058 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.957 | 266  | 375236   | 28.622 | ng/ul | 98       |
| 72) Phenanthrene              | 17.351 | 178  | 3129921  | 29.926 | ng/ul | 99       |
| 74) Anthracene                | 17.445 | 178  | 3033520  | 28.784 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.357 | 216  | 743011   | 28.186 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.881 | 250  | 770028   | 30.531 | ng/uL | 99       |
| 77) Carbazole                 | 17.716 | 167  | 2943178  | 30.929 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.275 | 149  | 3584808  | 31.738 | ng/ul | 99       |
| 80) Fluoranthene              | 19.369 | 202  | 3714091  | 30.529 | ng/ul | 99       |
| 82) Pyrene                    | 19.733 | 202  | 3811203  | 29.763 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.627 | 149  | 1682106  | 31.640 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.422 | 252  | 1138913  | 28.397 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.486 | 228  | 3701265  | 29.481 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 2423986  | 30.543 | ng/ul | 99       |
| 87) Chrysene                  | 21.539 | 228  | 3530655  | 29.525 | ng/ul | 96       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 4237471  | 34.709 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.186 | 252  | 3655668  | 31.377 | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 23.239 | 252  | 3650187  | 31.840 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.821 | 252  | 3151810  | 30.899 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.451 | 276  | 3848828  | 31.142 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.468 | 278  | 3173072  | 31.098 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.227 | 276  | 3084871  | 30.760 | ng/ul | 96       |

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

**Instrument :**

BNA\_N

**ClientSampleId :**

SLCS285

**Manual IntegrationsAPPROVED**

Reviewed By :Christian Giraldo 04/26/2023  
Supervised By :Jagrut Upadhyay 04/26/2023

**Instrument :**  
BNA\_N  
**ClientSampleId :**  
SLCS285

Reviewed By :Christian Giraldo 04/26/2023  
Supervised By :Jagrut Upadhyay 04/26/2023

Reviewed By :Christian Giraldo 04/26/2023  
Supervised By :Jagrut Upadhyay 04/26/2023

