

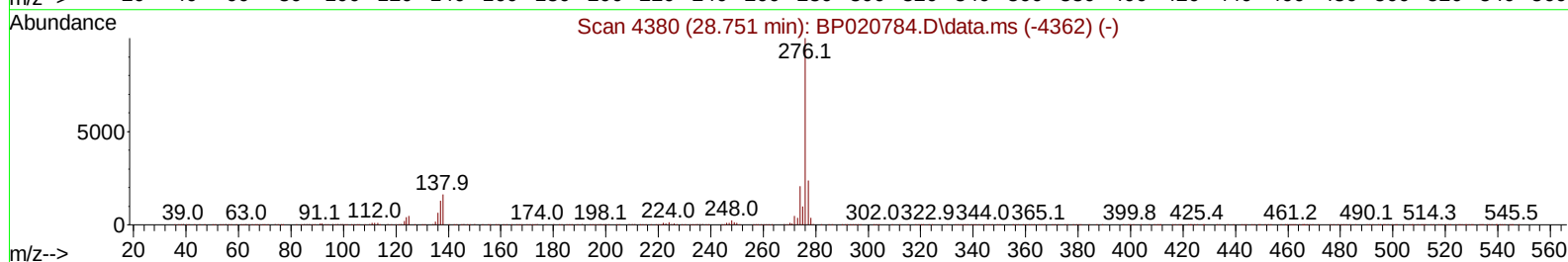
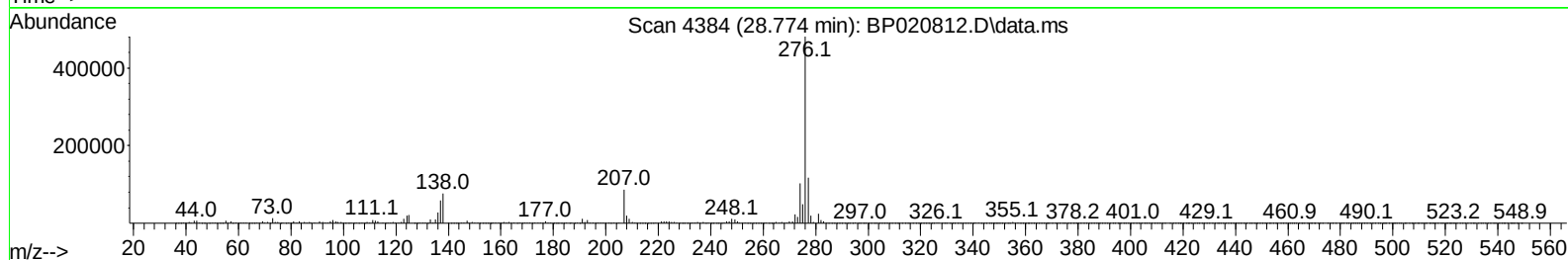
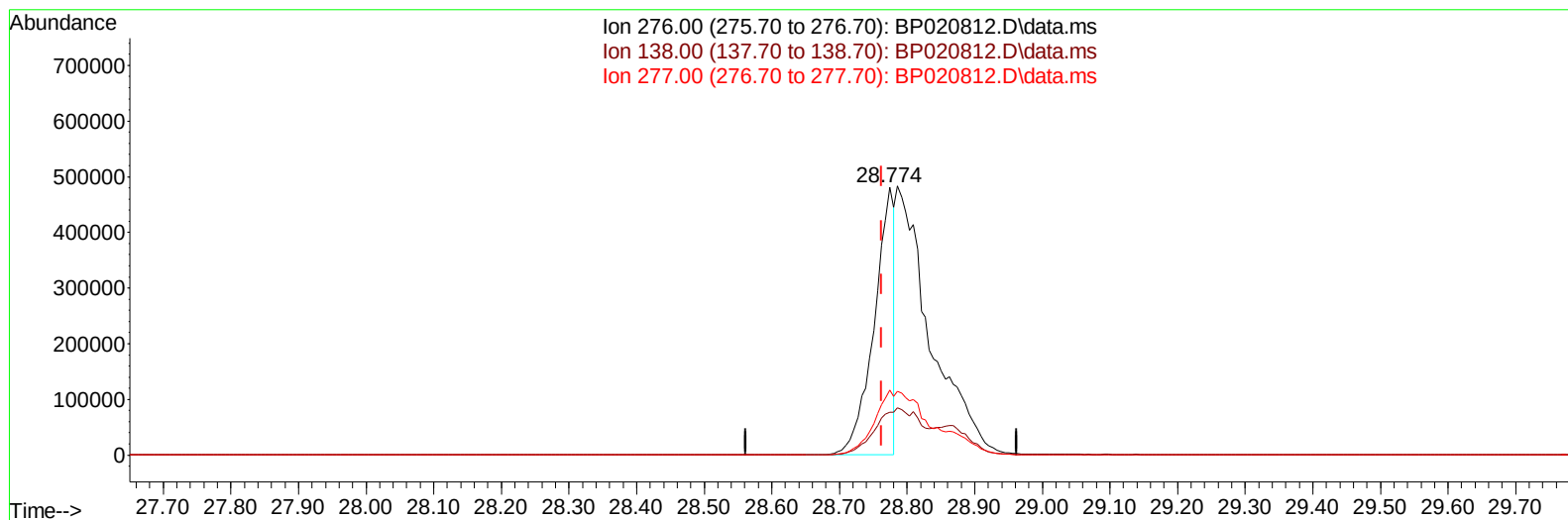
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070524\  
Data File : BP020812.D  
Acq On : 06 Jul 2024 08:23  
Operator : MA/JU  
Sample : PB161717BS  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SLCS717

Manual IntegrationsAPPROVED

Quant Time: Jul 07 22:36:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 15:01:56 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BP020812.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.774min (+ 0.012) 11.55 ng/ul**

**response 995715**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.00  | 16.09  |
| 277.00 | 23.70  | 24.33  |
| 0.00   | 0.00   | 0.00   |

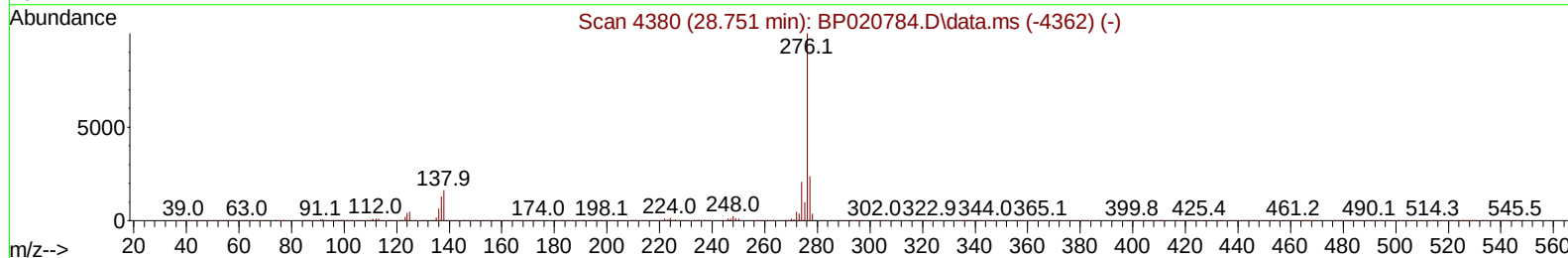
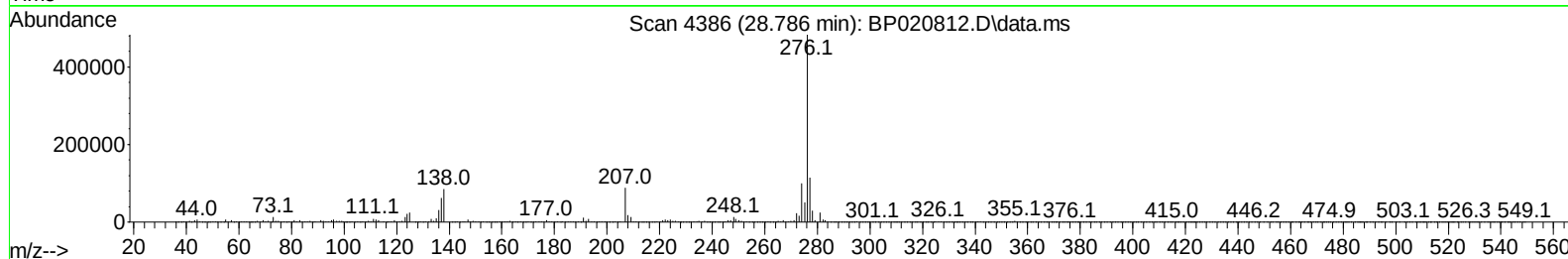
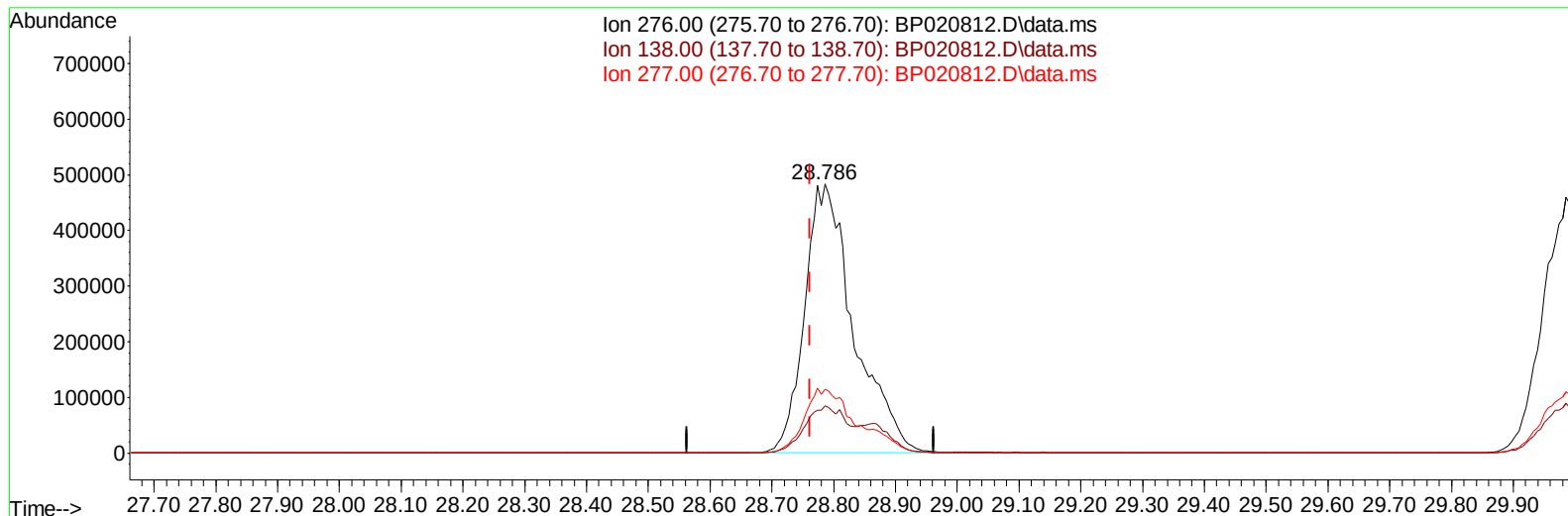
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070524\  
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TIC: BP020812.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.786min (+ 0.023) 31.12 ng/ul m

response 2683783

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.00  | 17.54  |
| 277.00 | 23.70  | 23.61  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070524\  
 Data File : BP020812.D  
 Acq On : 06 Jul 2024 08:23  
 Operator : MA/JU  
 Sample : PB161717BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS717

Manual IntegrationsAPPROVED

Quant Time: Jul 07 22:52:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 15:01:56 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.734  | 152  | 197933   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.504 | 136  | 821277   | 20.000 | ng/ul  | 0.01     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 539138   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 1139361  | 20.000 | ng/ul  | 0.01     |
| 79) Chrysene-d12              | 21.622 | 240  | 1010671  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.980 | 264  | 1175678  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.264  | 96   | 24790    | 5.378  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 360006   | 26.799 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.922  | 99   | 503051   | 30.987 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.081  | 67   | 287945   | 27.978 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.269  | 132  | 414817   | 31.265 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.440  | 113  | 408068   | 30.949 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.887  | 128  | 206348   | 34.031 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.599  | 143  | 234810   | 38.697 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 423797   | 33.907 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.652 | 131  | 535721   | 30.584 | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 1229384  | 32.796 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 1398279  | 31.261 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.604 | 143  | 213980   | 37.360 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.375 | 176  | 1041903  | 33.030 | ng/ul  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 200  | 182431   | 31.773 | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.281 | 188  | 1593397  | 31.161 | ng/ul  | 0.02     |
| 81) Pyrene-d10                | 19.663 | 212  | 1874277  | 30.869 | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 24.751 | 264  | 1868072  | 32.665 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.299  | 88   | 50454    | 9.782  | ng/uL  | 97       |
| 5) Pyridine                   | 3.699  | 79   | 357439   | 25.687 | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.893  | 77   | 284229   | 34.621 | ng/ul  | 99       |
| 8) Phenol                     | 6.946  | 94   | 507418   | 30.650 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.169  | 93   | 389366   | 28.408 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.305  | 128  | 410641   | 30.788 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.181  | 108  | 377697   | 29.736 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.252  | 45   | 539908   | 25.921 | ng/ul  | 99       |
| 16) Acetophenone              | 8.552  | 105  | 618976   | 29.396 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.534  | 70   | 304062   | 27.167 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.505  | 108  | 417652   | 31.064 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.793  | 117  | 163743   | 28.280 | ng/ul  | 89       |
| 22) Nitrobenzene              | 8.928  | 77   | 456396   | 29.035 | ng/ul  | 97       |
| 23) Isophorone                | 9.440  | 82   | 880841   | 28.282 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.628  | 139  | 246125   | 37.560 | ng/ul  | 92       |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 346505   | 22.704 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.922  | 93   | 528427   | 28.521 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 409194   | 33.076 | ng/ul  | 97       |
| 30) Naphthalene               | 10.552 | 128  | 1293916  | 29.435 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.675 | 127  | 485918   | 28.813 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.816 | 225  | 280561   | 30.334 | ng/ul  | 99       |
| 34) Caprolactam               | 11.463 | 113  | 135032   | 35.867 | ng/ul  | 86       |
| 35) 4-Chloro-3-methylphenol   | 11.804 | 107  | 454059   | 33.241 | ng/ul  | 95       |

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 Sample : PB161717BS  
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 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
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## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2024  
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Quant Time: Jul 07 22:52:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 15:01:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.163 | 142  | 894374   | 30.373 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.381 | 142  | 906116   | 30.102 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.528 | 216  | 538575   | 31.245 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.498 | 237  | 150269   | 14.006 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.781 | 196  | 334644   | 32.544 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.857 | 196  | 372234   | 34.903 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.181 | 154  | 1189967  | 29.513 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.228 | 162  | 943906   | 29.723 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.440 | 65   | 289406   | 36.181 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.816 | 163  | 1207592  | 31.625 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.945 | 165  | 261653   | 38.428 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.075 | 152  | 1503376  | 29.755 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.287 | 138  | 266122   | 42.052 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.422 | 153  | 988828   | 29.503 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.498 | 184  | 111283   | 31.509 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.616 | 109  | 172804   | 33.715 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.769 | 168  | 1420916  | 31.461 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.740 | 165  | 376970   | 40.109 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 298784   | 33.920 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.198 | 149  | 1208606  | 32.088 | ng/ul  | 98       |
| 61) Fluorene                  | 15.434 | 166  | 1135975  | 31.305 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.422 | 204  | 595529   | 31.449 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.469 | 138  | 276327   | 46.009 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.528 | 198  | 190812   | 31.023 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.645 | 169  | 993349   | 29.563 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.334 | 248  | 392148   | 30.857 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.451 | 284  | 458111   | 32.201 | ng/ul  | 93       |
| 70) Atrazine                  | 16.628 | 200  | 191086   | 16.132 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.822 | 266  | 244832   | 29.892 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.216 | 178  | 1825930  | 30.604 | ng/ul  | 99       |
| 74) Anthracene                | 17.316 | 178  | 1806112  | 29.429 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.146 | 216  | 526480   | 28.466 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.681 | 250  | 529888   | 30.061 | ng/uL  | 99       |
| 77) Carbazole                 | 17.598 | 167  | 1683893  | 33.246 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.181 | 149  | 2121926  | 32.256 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.310 | 202  | 2180459  | 29.400 | ng/ul  | 98       |
| 82) Pyrene                    | 19.692 | 202  | 2248466  | 29.561 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.639 | 149  | 965951   | 34.200 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 712738   | 31.896 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.604 | 228  | 2188400  | 30.892 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 1353891  | 30.874 | ng/ul  | 99       |
| 87) Chrysene                  | 21.674 | 228  | 2064895  | 30.838 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.810 | 149  | 2428271  | 32.173 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.916 | 252  | 2259352  | 31.722 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.986 | 252  | 2159284  | 29.971 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.821 | 252  | 1906276  | 28.353 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.786 | 276  | 2683783m | 31.120 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.862 | 278  | 2191374  | 30.918 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.986 | 276  | 2079738  | 29.537 | ng/ul  | 98       |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

SLCS717

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024

