

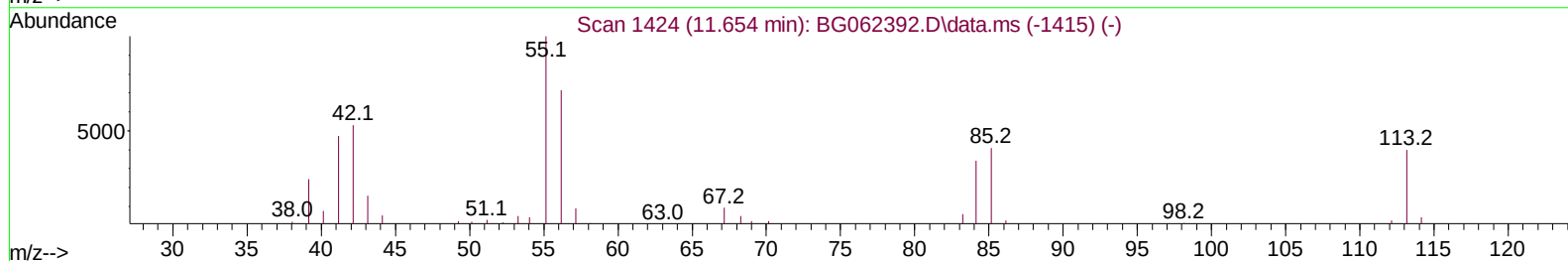
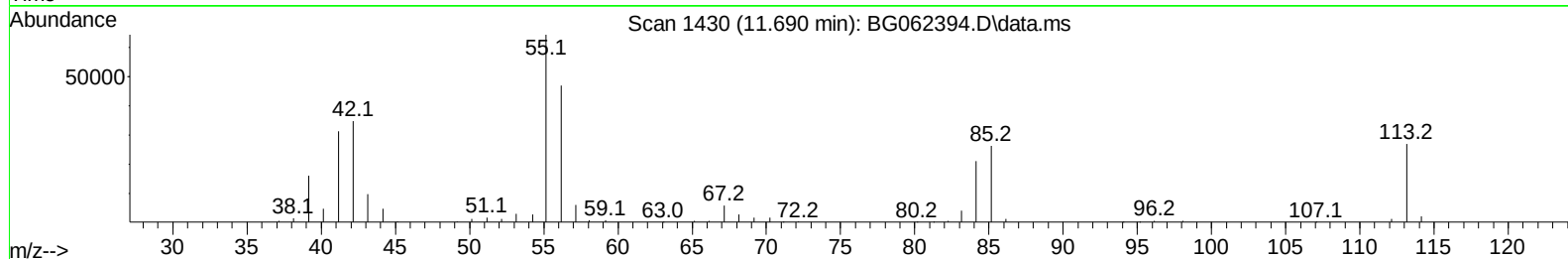
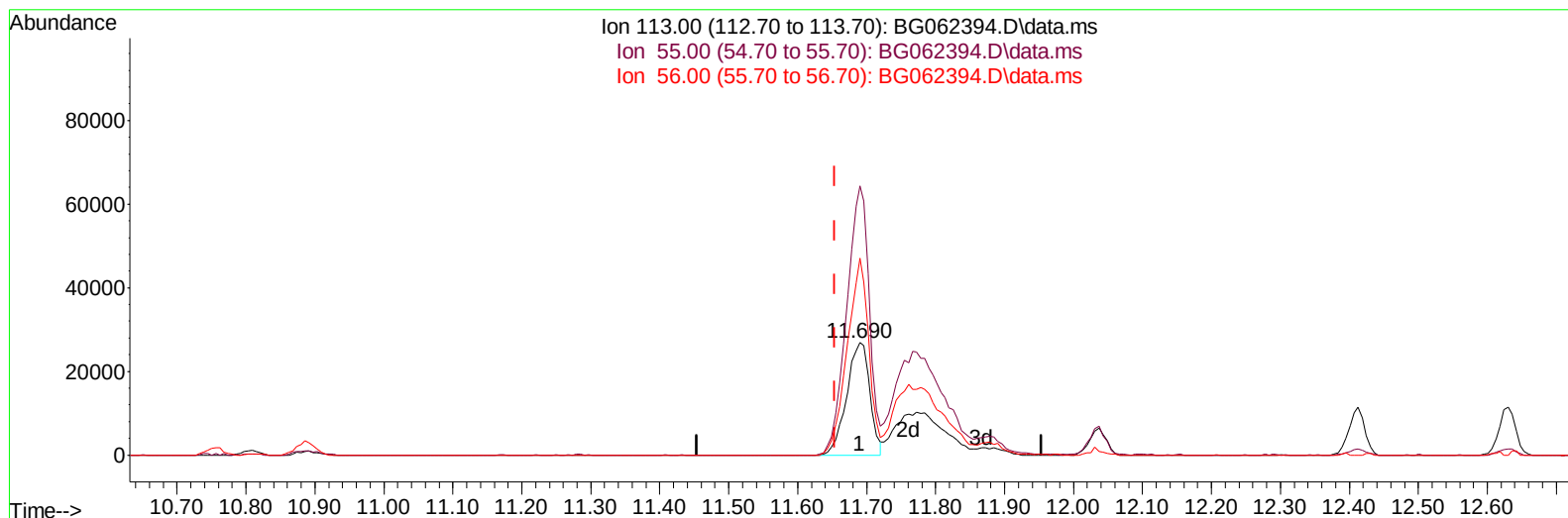
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081424\  
Data File : BG062394.D  
Acq On : 14 Aug 2024 14:12  
Operator : MA/JU  
Sample : SSTD08050  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD080435

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/15/2024  
Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 15:24:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 14 15:13:32 2024  
Response via : Initial Calibration



TIC: BG062394.D\data.ms

## (34) Caprolactam

11.690min (+ 0.036) 46.02 ng/ul

response 62436

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 249.80 | 238.42 |
| 56.00  | 178.20 | 174.34 |
| 0.00   | 0.00   | 0.00   |

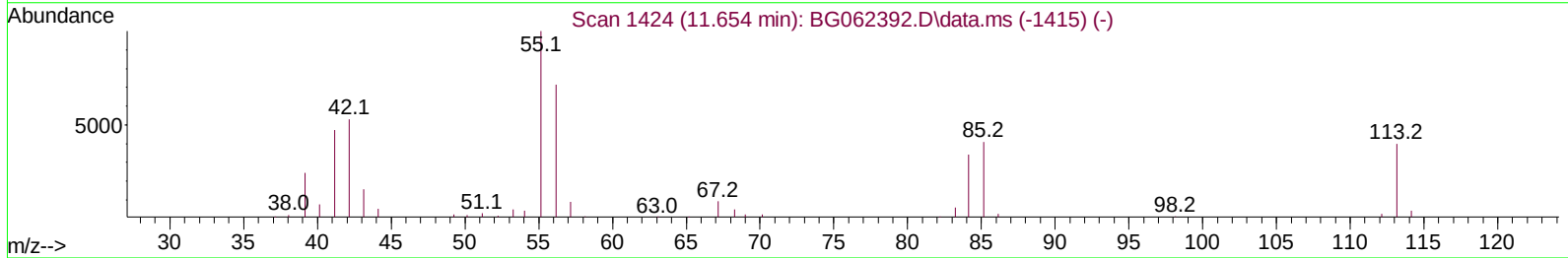
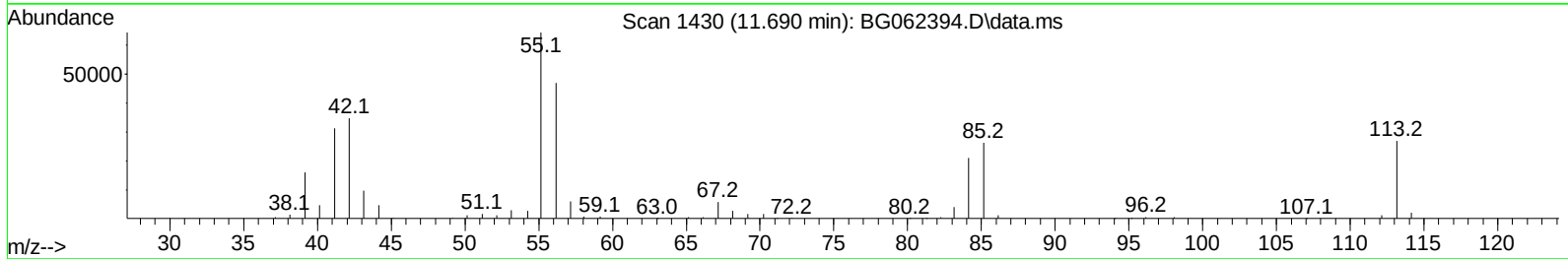
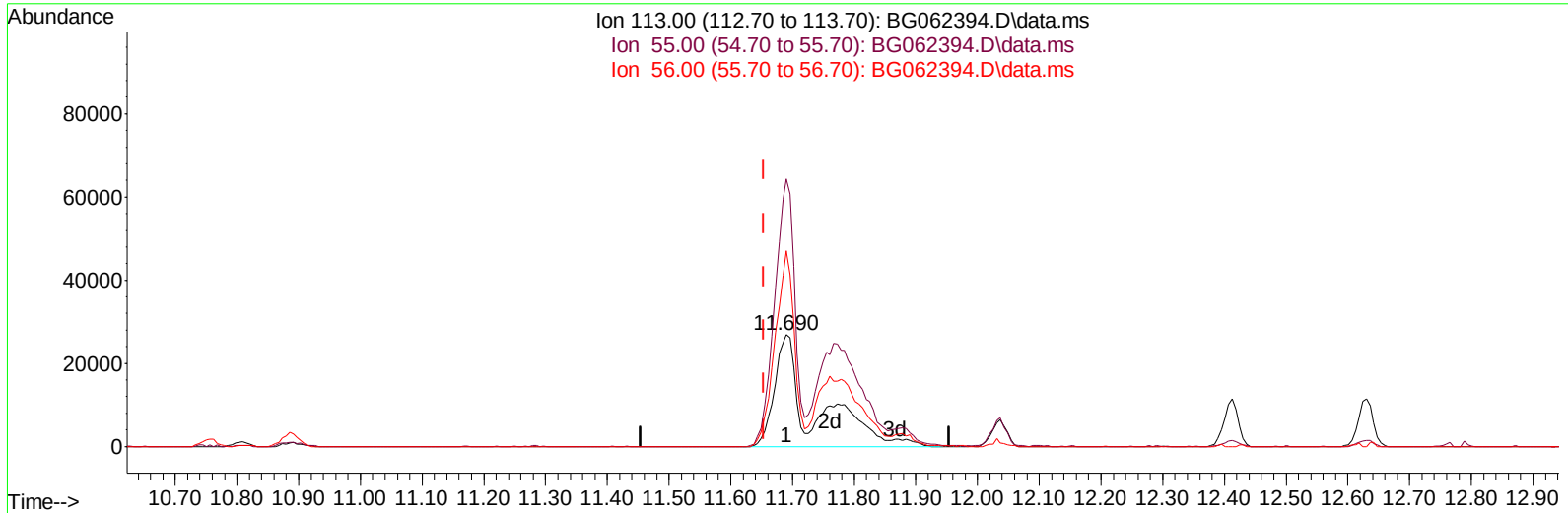
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 Data File : BG062394.D  
 Acq On : 14 Aug 2024 14:12  
 Operator : MA/JU  
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Instrument :  
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TIC: BG062394.D\data.ms

**(34) Caprolactam**

11.690min (+ 0.036) 86.75 ng/ul m

response 117688

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 249.80 | 238.42 |
| 56.00  | 178.20 | 174.34 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081424\  
 Data File : BG062394.D  
 Acq On : 14 Aug 2024 14:12  
 Operator : MA/JU  
 Sample : SST08050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD080435

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 15:25:21 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081424.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Aug 14 15:13:32 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.960  | 152  | 43754    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.756 | 136  | 220823   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.580 | 164  | 171404   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 391668   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.571 | 240  | 378759   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.661 | 264  | 431142   | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.419  | 96   | 33890    | 31.930  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.824  | 84   | 279414   | 85.683  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.120  | 99   | 360561   | 85.762  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.290  | 67   | 219903   | 84.416  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.496  | 132  | 257474   | 86.155  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.665  | 113  | 306588   | 87.153  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.117  | 128  | 131746   | 95.492  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.834  | 143  | 144169   | 110.009 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.374 | 165  | 306893   | 82.851  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.885 | 131  | 452227   | 83.062  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.993 | 166  | 1041655  | 78.489  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 1157948  | 77.471  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.780 | 143  | 181980   | 94.871  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.573 | 176  | 939254   | 78.831  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.691 | 200  | 164691   | 128.769 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.424 | 188  | 1457980  | 77.554  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.709 | 212  | 1759665  | 77.951  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.461 | 264  | 1849595  | 80.553  | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.454  | 88   | 36170    | 31.728  | ng/uL  | 95       |
| 5) Pyridine                   | 3.842  | 79   | 296362   | 87.120  | ng/ul  | 93       |
| 6) Benzaldehyde               | 7.096  | 77   | 148488   | 65.399  | ng/ul  | 98       |
| 8) Phenol                     | 7.149  | 94   | 379981   | 85.592  | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.384  | 93   | 274169   | 83.584  | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.525  | 128  | 267446   | 84.695  | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.395  | 108  | 288513   | 86.378  | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.477  | 45   | 565884   | 84.130  | ng/ul  | 97       |
| 16) Acetophenone              | 8.782  | 105  | 488790   | 86.841  | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.777  | 70   | 269854   | 90.159  | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.735  | 108  | 328736   | 87.260  | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.041  | 117  | 101614   | 84.945  | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.158  | 77   | 359500   | 92.406  | ng/ul  | 98       |
| 23) Isophorone                | 9.693  | 82   | 756751   | 80.725  | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.869  | 139  | 162546   | 105.094 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.928  | 107  | 357608   | 80.676  | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 417477   | 79.236  | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.404 | 162  | 311112   | 82.501  | ng/ul  | 99       |
| 30) Naphthalene               | 10.809 | 128  | 991800   | 78.883  | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.909 | 127  | 441872   | 83.063  | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.097 | 225  | 217989   | 76.732  | ng/ul  | 99       |
| 34) Caprolactam               | 11.690 | 113  | 117688m  | 86.752  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.037 | 107  | 371302   | 86.979  | ng/ul  | 99       |

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 Sample : SST008050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**

BNA\_G

**ClientSampleId :**

SSTD080435

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 15:25:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 14 15:13:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.413 | 142  | 712022   | 81.519  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.630 | 142  | 727840   | 80.799  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.777 | 216  | 450700   | 80.595  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.765 | 237  | 249567   | 108.183 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.018 | 196  | 290541   | 89.404  | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.088 | 196  | 317725   | 91.611  | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.417 | 154  | 1010192  | 78.486  | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.458 | 162  | 796345   | 79.754  | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.658 | 65   | 259783   | 101.014 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.040 | 163  | 1051218  | 78.843  | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.158 | 165  | 194024   | 106.390 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.304 | 152  | 1235113  | 77.588  | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.486 | 138  | 176111   | 83.202  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.645 | 153  | 915341   | 76.965  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.686 | 184  | 112213   | 136.761 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.798 | 109  | 155552   | 92.602  | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.980 | 168  | 1283462  | 78.101  | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 288577   | 111.863 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.209 | 232  | 292176   | 92.116  | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.409 | 149  | 1052912  | 78.095  | ng/ul  | 99       |
| 61) Fluorene                  | 15.632 | 166  | 976754   | 75.563  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.626 | 204  | 502823   | 75.519  | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.650 | 138  | 179858   | 86.365  | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.708 | 198  | 186917   | 127.765 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.838 | 169  | 905944   | 77.843  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.519 | 248  | 359030   | 81.188  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.631 | 284  | 405024   | 78.361  | ng/ul  | 97       |
| 70) Atrazine                  | 16.789 | 200  | 369609   | 81.465  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.971 | 266  | 261148   | 93.958  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.371 | 178  | 1661545  | 75.540  | ng/ul  | 99       |
| 74) Anthracene                | 17.459 | 178  | 1711750  | 75.785  | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.382 | 216  | 465847   | 81.273  | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 471098   | 77.968  | ng/ul  | 97       |
| 77) Carbazole                 | 17.723 | 167  | 1453881  | 78.148  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.293 | 149  | 1743265  | 78.724  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.374 | 202  | 1962829  | 76.665  | ng/ul  | 97       |
| 82) Pyrene                    | 19.738 | 202  | 2063537  | 75.680  | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.631 | 149  | 785452   | 84.119  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.465 | 252  | 600542   | 69.873  | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.547 | 228  | 2111495  | 76.012  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.477 | 149  | 1093794  | 76.451  | ng/ul# | 99       |
| 87) Chrysene                  | 21.618 | 228  | 1994989  | 76.043  | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 22.652 | 149  | 1914375  | 78.927  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.686 | 252  | 2089429  | 80.108  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.756 | 252  | 2052103  | 77.075  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.532 | 252  | 1959795  | 79.155  | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.174 | 276  | 2587720  | 81.136  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.238 | 278  | 2086147  | 79.902  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.272 | 276  | 1997792  | 82.258  | ng/ul  | 98       |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/15/2024

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Instrument :  
 BNA\_G  
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