

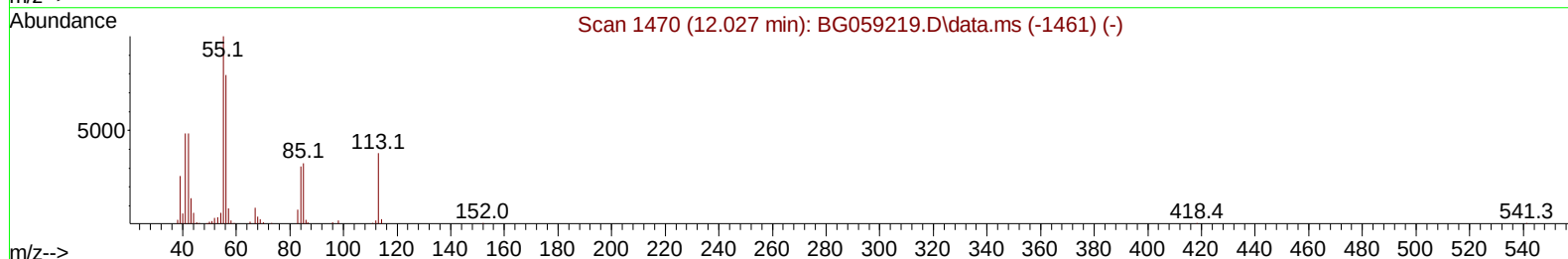
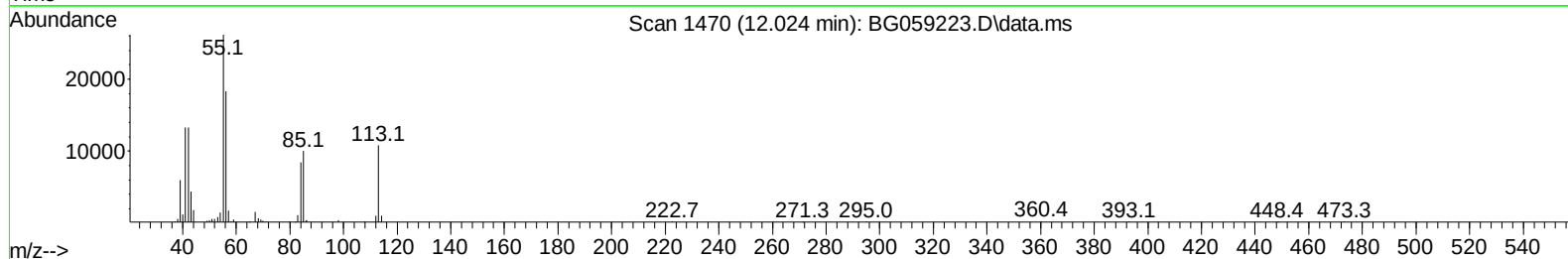
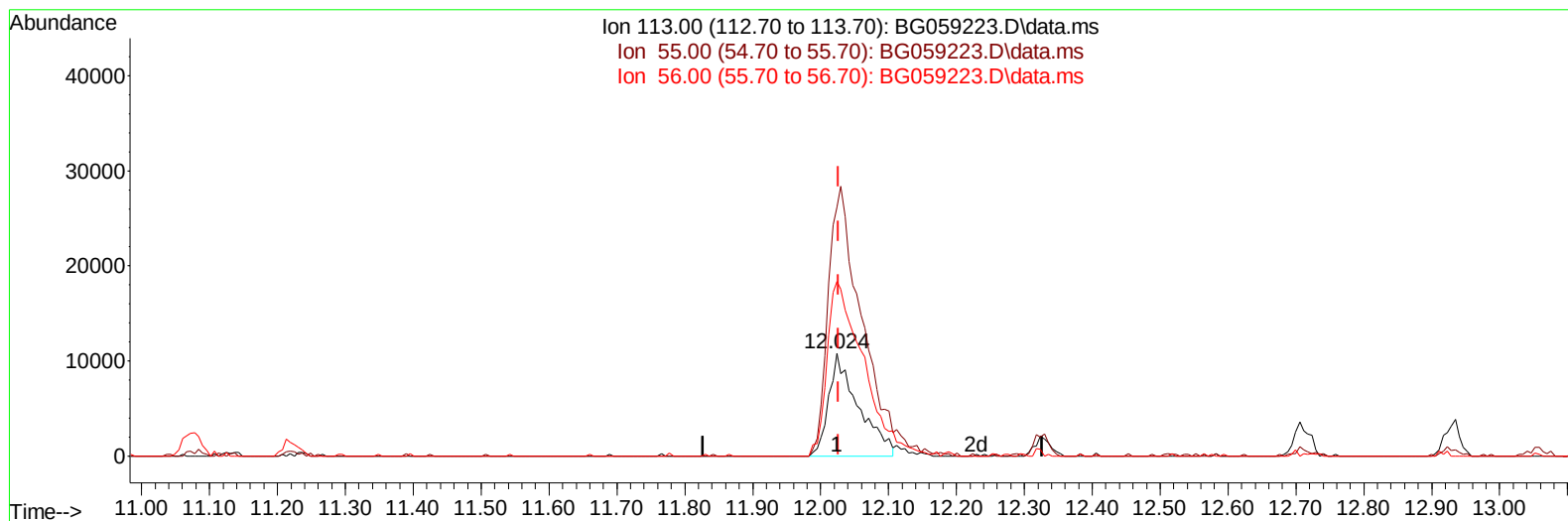
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092723\  
 Data File : BG059223.D  
 Acq On : 27 Sep 2023 22:58  
 Operator : MA/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV441

Manual IntegrationsAPPROVED

Quant Time: Sep 28 04:34:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 04:33:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/28/2023  
 Supervised By :mohammad ahmed 09/29/2023



TIC: BG059223.D\data.ms

**(34) Caprolactam**

12.024min (-0.003) 20.98 ng/ul

response 32727

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 264.10 | 242.44 |
| 56.00  | 209.90 | 169.93 |
| 0.00   | 0.00   | 0.00   |

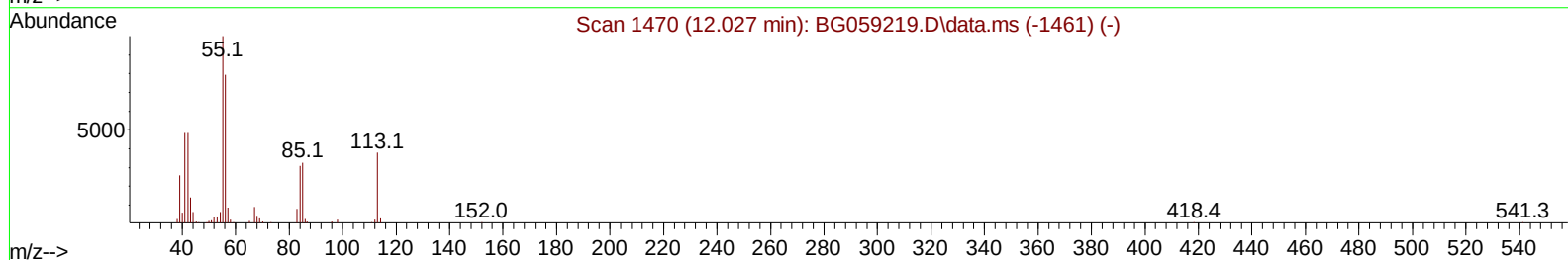
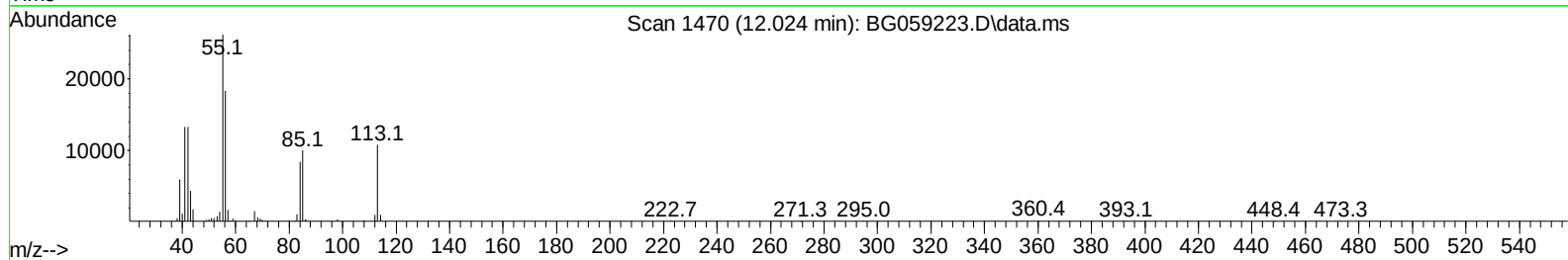
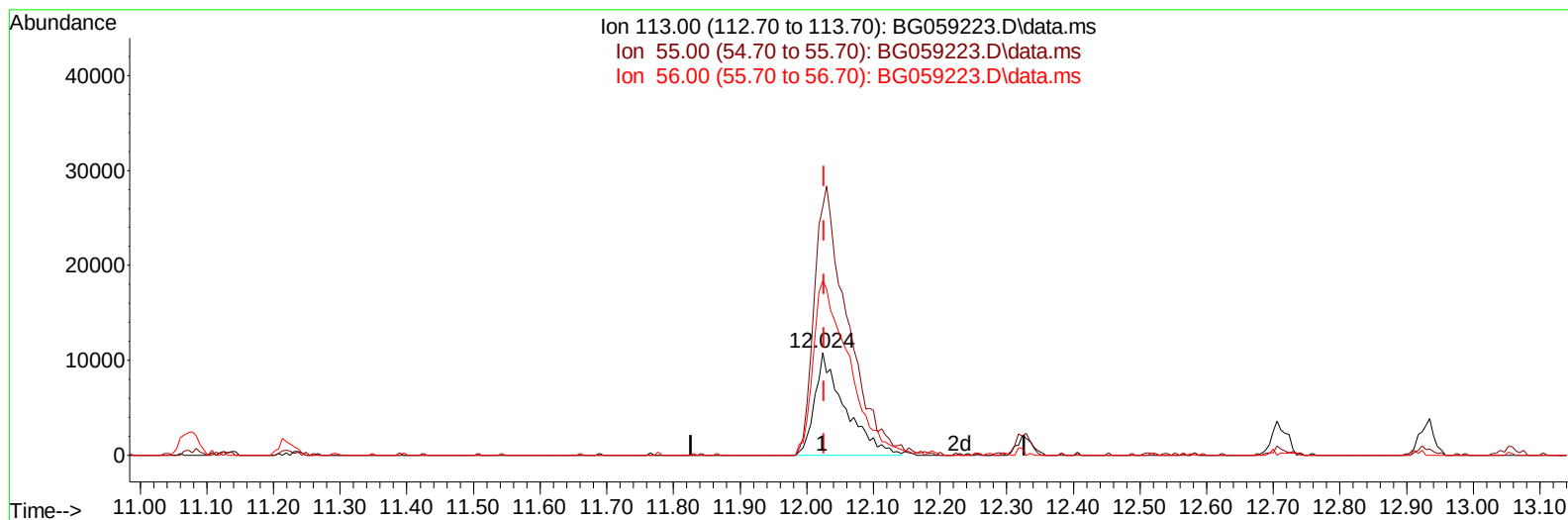
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## Manual IntegrationsAPPROVED

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QLast Update : Thu Sep 28 04:33:25 2023  
Response via : Initial Calibration



TIC: BG059223.D\data.ms

## (34) Caprolactam

12.024min (-0.003) 21.76 ng/ul m

response 33954

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 264.10 | 242.44 |
| 56.00  | 209.90 | 169.93 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092723\  
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 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV441

Manual IntegrationsAPPROVED

Quant Time: Sep 28 04:35:29 2023  
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 Quant Title : SVOA CALIBRATION  
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Reviewed By :Yogesh Patel 09/28/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.234  | 152  | 63107    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.078 | 136  | 318746   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.868 | 164  | 197846   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.617 | 188  | 442313   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.924 | 240  | 394023   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.408 | 264  | 463256   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.528  | 96   | 12945    | 7.742  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.963  | 84   | 96921    | 19.866 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.359  | 99   | 126772   | 20.069 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.553  | 67   | 81707    | 20.248 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.753  | 132  | 97777    | 23.026 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.928  | 113  | 101304   | 20.746 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.433  | 128  | 51715    | 22.992 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.150 | 143  | 53927    | 24.423 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.678 | 165  | 96682    | 21.314 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.219 | 131  | 151983   | 20.709 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.263 | 166  | 313383   | 21.908 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.574 | 160  | 395228   | 22.013 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.056 | 143  | 58707    | 23.503 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.855 | 176  | 293147   | 21.532 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.966 | 200  | 52513    | 23.097 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.717 | 188  | 425603   | 21.118 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.991 | 212  | 479416   | 21.727 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.167 | 264  | 478884   | 21.512 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.569  | 88   | 13871    | 7.061  | ng/ul# | 72       |
| 5) Pyridine                   | 3.986  | 79   | 98977    | 19.978 | ng/ul  | 94       |
| 6) Benzaldehyde               | 7.376  | 77   | 77593    | 27.971 | ng/ul  | 98       |
| 8) Phenol                     | 7.388  | 94   | 131779   | 20.971 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.647  | 93   | 110621   | 21.464 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.782  | 128  | 99465    | 22.216 | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.663  | 108  | 97752    | 20.589 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.740  | 45   | 232951   | 20.446 | ng/ul  | 97       |
| 16) Acetophenone              | 9.080  | 105  | 167994   | 22.214 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 9.039  | 70   | 84636    | 22.063 | ng/ul  | 91       |
| 18) 4-Methylphenol            | 8.992  | 108  | 108719   | 21.613 | ng/ul  | 89       |
| 19) Hexachloroethane          | 9.315  | 117  | 38724    | 21.955 | ng/ul  | 89       |
| 22) Nitrobenzene              | 9.474  | 77   | 120919   | 21.778 | ng/ul  | 98       |
| 23) Isophorone                | 9.979  | 82   | 252757   | 21.169 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.185 | 139  | 57617    | 23.682 | ng/ul  | 89       |
| 26) 2,4-Dimethylphenol        | 10.208 | 107  | 110486   | 21.239 | ng/ul  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.467 | 93   | 158687   | 21.064 | ng/ul  | 94       |
| 29) 2,4-Dichlorophenol        | 10.702 | 162  | 98320    | 21.805 | ng/ul  | 97       |
| 30) Naphthalene               | 11.131 | 128  | 356177   | 20.841 | ng/ul  | 96       |
| 32) 4-Chloroaniline           | 11.248 | 127  | 148311   | 21.133 | ng/ul  | 96       |
| 33) Hexachlorobutadiene       | 11.354 | 225  | 64464    | 21.362 | ng/ul  | 88       |
| 34) Caprolactam               | 12.024 | 113  | 33954m   | 21.763 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.324 | 107  | 105140   | 21.854 | ng/ul  | 97       |

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Instrument :  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 09/28/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.711 | 142  | 233674   | 20.872 | ng/ul  | 91       |
| 37) 1-Methylnaphthalene       | 12.929 | 142  | 239413   | 21.069 | ng/ul# | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.058 | 216  | 124703   | 21.053 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.011 | 237  | 77604    | 21.239 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.299 | 196  | 79135    | 21.822 | ng/ul  | 85       |
| 42) 2,4,5-Trichlorophenol     | 13.369 | 196  | 86051    | 22.614 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.704 | 154  | 339413   | 21.242 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.757 | 162  | 254640   | 21.167 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.975 | 65   | 80258    | 23.651 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.310 | 163  | 315094   | 21.506 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.456 | 165  | 60846    | 24.417 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.603 | 152  | 413849   | 21.594 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.797 | 138  | 66104    | 24.573 | ng/ul# | 99       |
| 52) Acenaphthene              | 14.932 | 153  | 282125   | 21.447 | ng/ul  | 92       |
| 53) 2,4-Dinitrophenol         | 14.991 | 184  | 29558    | 21.338 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 15.073 | 109  | 38296    | 21.734 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.261 | 168  | 380661   | 21.831 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.232 | 165  | 87624    | 23.748 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.473 | 232  | 77297    | 22.438 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.655 | 149  | 310938   | 21.953 | ng/ul  | 98       |
| 61) Fluorene                  | 15.914 | 166  | 310250   | 21.191 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.896 | 204  | 155655   | 21.327 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.961 | 138  | 62004    | 25.046 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.984 | 198  | 56356    | 23.508 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 16.113 | 169  | 254046   | 21.547 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.795 | 248  | 93420    | 21.801 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.883 | 284  | 106082   | 21.914 | ng/ul  | 96       |
| 70) Atrazine                  | 17.047 | 200  | 100747   | 22.472 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.241 | 266  | 62578    | 22.461 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.659 | 178  | 519416   | 21.398 | ng/ul  | 99       |
| 74) Anthracene                | 17.753 | 178  | 535157   | 21.351 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.663 | 216  | 128934   | 22.120 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.156 | 250  | 119653   | 20.790 | ng/uL  | 98       |
| 77) Carbazole                 | 18.029 | 167  | 445812   | 21.823 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.534 | 149  | 541962   | 22.381 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.656 | 202  | 589082   | 21.671 | ng/ul  | 98       |
| 82) Pyrene                    | 20.020 | 202  | 617942   | 21.462 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.878 | 149  | 229927   | 22.645 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.818 | 252  | 209738   | 22.985 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.901 | 228  | 587733   | 21.189 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.736 | 149  | 340436   | 22.081 | ng/ul  | 94       |
| 87) Chrysene                  | 21.971 | 228  | 563561   | 21.513 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 23.035 | 149  | 587745   | 21.815 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.280 | 252  | 601729   | 21.207 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.357 | 252  | 608640   | 21.171 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.244 | 252  | 574418   | 21.341 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.433 | 276  | 641020   | 21.038 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.509 | 278  | 522257   | 21.077 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.720 | 276  | 510022   | 20.587 | ng/ul  | 99       |

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

**Instrument :**

BNA\_G

**ClientSampleId :**

SICV441

**Manual IntegrationsAPPROVED**

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