

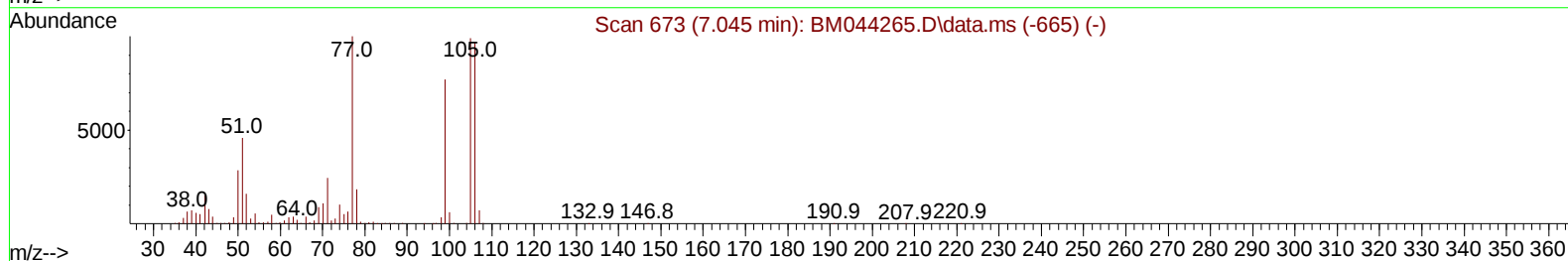
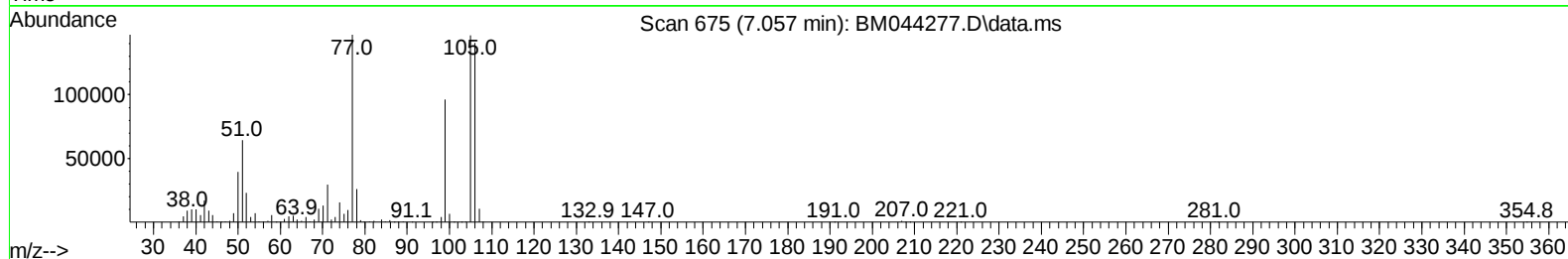
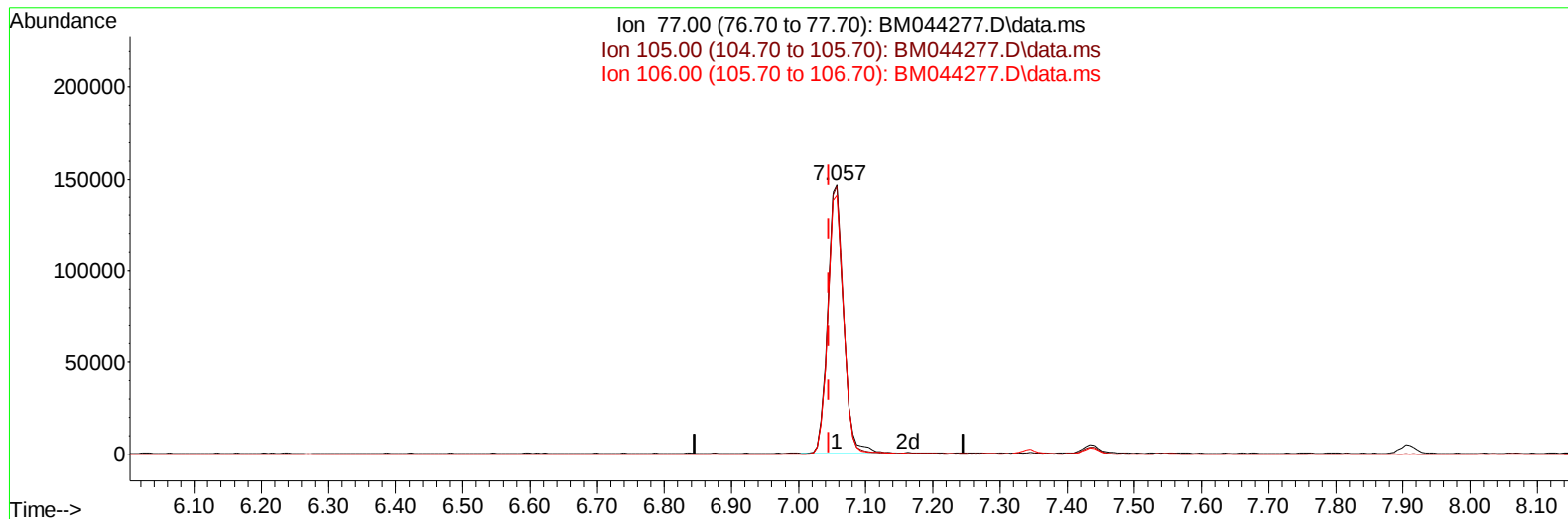
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022324\  
Data File : BM044277.D  
Acq On : 23 Feb 2024 19:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Feb 24 03:01:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022324.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 23 22:49:27 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/26/2024  
Supervised By :mohammad ahmed 02/26/2024



TIC: BM044277.D\data.ms

(6) Benzaldehyde

7.057min (+ 0.012) 24.99 ng/u1

response 240210

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 98.80  | 99.70  |
| 106.00 | 96.80  | 95.73  |
| 0.00   | 0.00   | 0.00   |

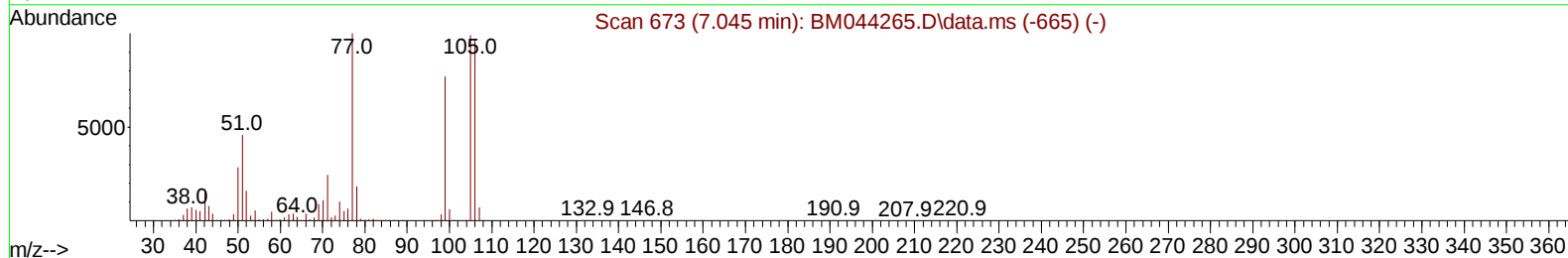
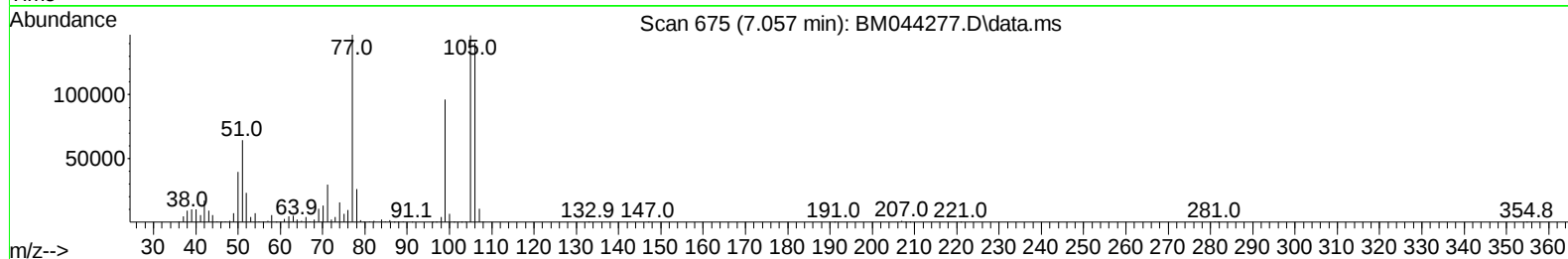
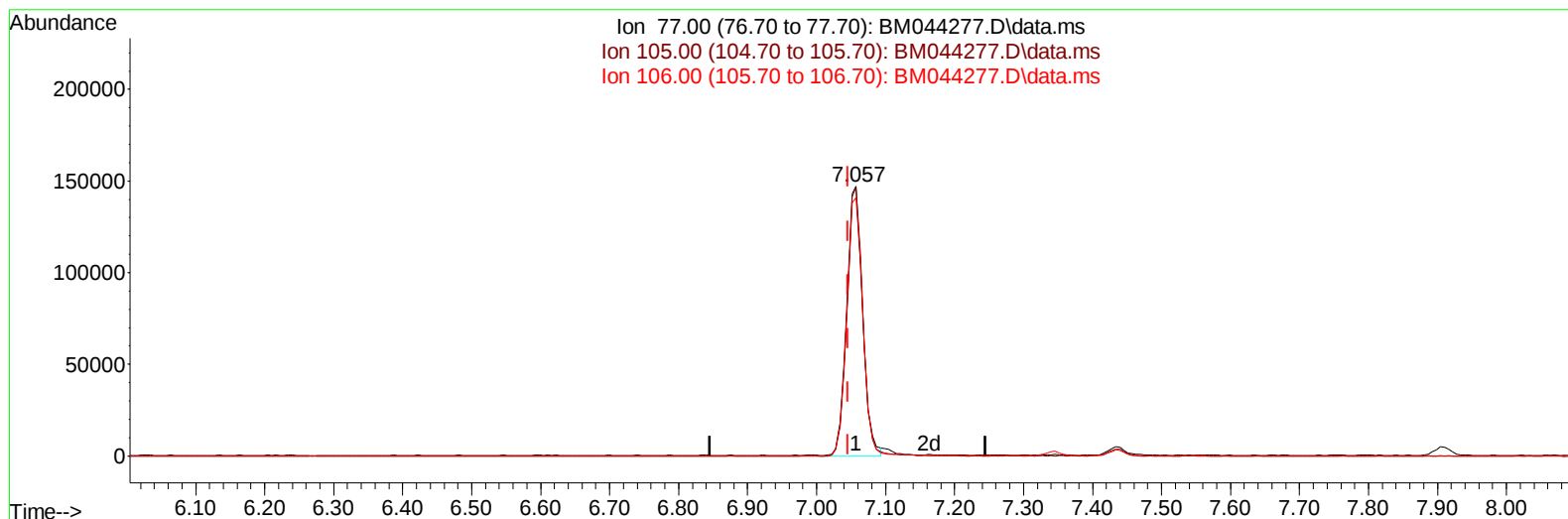
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TIC: BM044277.D\data.ms

**(6) Benzaldehyde**

7.057min (+ 0.012) 24.65 ng/ul m

response 236995

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 98.80  | 99.70  |
| 106.00 | 96.80  | 95.73  |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Feb 24 03:02:19 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.910  | 152  | 231185   | 20.000 | ng/ul  | 0.02     |
| 20) Naphthalene-d8            | 10.710 | 136  | 1005504  | 20.000 | ng/ul  | 0.01     |
| 38) Acenaphthene-d10          | 14.551 | 164  | 582161   | 20.000 | ng/ul  | 0.01     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 1238262  | 20.000 | ng/ul  | 0.01     |
| 79) Chrysene-d12              | 21.509 | 240  | 1092878  | 20.000 | ng/ul  | 0.01     |
| 88) Perylene-d12              | 23.909 | 264  | 1227798  | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 54972    | 7.502  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.763  | 84   | 382319   | 19.105 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.069  | 99   | 416630   | 18.812 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.251  | 67   | 270690   | 18.875 | ng/ul  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.434  | 132  | 329776   | 19.771 | ng/ul  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.622  | 113  | 316613   | 18.894 | ng/ul  | 0.02     |
| 21) Nitrobenzene-d5           | 9.075  | 128  | 160651   | 19.650 | ng/ul  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.798  | 143  | 165562   | 19.849 | ng/ul  | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.328 | 165  | 294068   | 19.986 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.857 | 131  | 469418   | 18.996 | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.974 | 166  | 911344   | 20.298 | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 14.245 | 160  | 1031412  | 19.966 | ng/ul  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.757 | 143  | 172823   | 19.344 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.545 | 176  | 763382   | 20.088 | ng/ul  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.674 | 200  | 138908   | 18.079 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.404 | 188  | 1170168  | 19.819 | ng/ul  | 0.01     |
| 81) Pyrene-d10                | 19.703 | 212  | 1305504  | 19.856 | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.756 | 264  | 1228990  | 19.535 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 57376    | 7.429  | ng/uL  | 98       |
| 5) Pyridine                   | 3.781  | 79   | 393878   | 18.814 | ng/ul  | 99       |
| 6) Benzaldehyde               | 7.057  | 77   | 236995m  | 24.652 | ng/ul  |          |
| 8) Phenol                     | 7.098  | 94   | 433830   | 18.845 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.345  | 93   | 365694   | 18.979 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.469  | 128  | 339724   | 19.687 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.351  | 108  | 320862   | 18.919 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 492855   | 18.707 | ng/ul  | 99       |
| 16) Acetophenone              | 8.739  | 105  | 525580   | 19.632 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.728  | 70   | 275297   | 20.527 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.681  | 108  | 349247   | 19.331 | ng/ul  | 95       |
| 19) Hexachloroethane          | 8.981  | 117  | 141544   | 19.335 | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.122  | 77   | 381467   | 19.293 | ng/ul  | 99       |
| 23) Isophorone                | 9.645  | 82   | 762305   | 19.893 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.828  | 139  | 184639   | 19.959 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.886  | 107  | 347456   | 19.670 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.139 | 93   | 483785   | 19.420 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 297576   | 19.983 | ng/ul  | 99       |
| 30) Naphthalene               | 10.763 | 128  | 1108562  | 19.385 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.881 | 127  | 454704   | 18.883 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.033 | 225  | 172716   | 19.252 | ng/ul  | 98       |
| 34) Caprolactam               | 11.657 | 113  | 96833    | 18.812 | ng/ul  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.004 | 107  | 326775   | 20.598 | ng/ul  | 96       |

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Reviewed By :Yogesh Patel 02/26/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.375 | 142  | 721143   | 19.798 | ng/ul | 100      |
| 37) 1-Methylnaphthalene       | 12.592 | 142  | 710933   | 19.744 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.739 | 216  | 333571   | 19.356 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.710 | 237  | 214734   | 18.520 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.986 | 196  | 221398   | 20.155 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.051 | 196  | 237952   | 20.038 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.392 | 154  | 914767   | 19.301 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.427 | 162  | 723400   | 19.493 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.645 | 65   | 210970   | 20.533 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.022 | 163  | 927421   | 20.210 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.145 | 165  | 177271   | 20.657 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.274 | 152  | 1220145  | 19.941 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.469 | 138  | 188310   | 20.800 | ng/ul | 97       |
| 52) Acenaphthene              | 14.616 | 153  | 786892   | 19.480 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.674 | 184  | 92663    | 17.401 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.769 | 109  | 117589   | 19.159 | ng/ul | 99       |
| 56) Dibenzofuran              | 14.951 | 168  | 1072047  | 19.770 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.927 | 165  | 263089   | 21.339 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 200206   | 20.949 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.386 | 149  | 970916   | 20.555 | ng/ul | 99       |
| 61) Fluorene                  | 15.604 | 166  | 888507   | 20.401 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 421190   | 20.520 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.633 | 138  | 197654   | 22.572 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.686 | 198  | 155089   | 18.452 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.821 | 169  | 739380   | 19.704 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.498 | 248  | 240760   | 19.569 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.598 | 284  | 275839   | 19.589 | ng/ul | 98       |
| 70) Atrazine                  | 16.780 | 200  | 242328   | 19.714 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.951 | 266  | 173235   | 18.668 | ng/ul | 99       |
| 72) Phenanthrene              | 17.345 | 178  | 1373126  | 19.330 | ng/ul | 100      |
| 74) Anthracene                | 17.439 | 178  | 1407442  | 19.679 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.345 | 216  | 323301   | 18.652 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.863 | 250  | 316163   | 19.107 | ng/uL | 98       |
| 77) Carbazole                 | 17.715 | 167  | 1303900  | 19.389 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.292 | 149  | 1734035  | 20.365 | ng/ul | 100      |
| 80) Fluoranthene              | 19.368 | 202  | 1550155  | 19.658 | ng/ul | 99       |
| 82) Pyrene                    | 19.733 | 202  | 1617984  | 19.565 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.656 | 149  | 750547   | 20.206 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.433 | 252  | 496684   | 20.318 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 1600070  | 19.631 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.439 | 149  | 1188611  | 20.901 | ng/ul | 99       |
| 87) Chrysene                  | 21.545 | 228  | 1475933  | 19.264 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 2005006  | 19.060 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.180 | 252  | 1574378  | 20.002 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.227 | 252  | 1554466  | 19.228 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.803 | 252  | 1482817  | 19.539 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.403 | 276  | 1770770  | 19.295 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.432 | 278  | 1498907  | 19.545 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.168 | 276  | 1415744  | 19.071 | ng/ul | 98       |

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

**Instrument :**

BNM

**LabSampleId :**

SSTDCCC020EC

**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 02/26/2024

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