

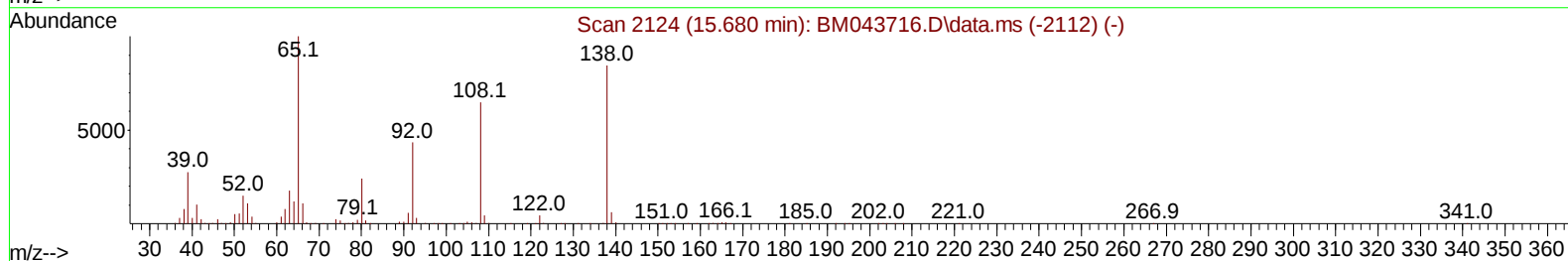
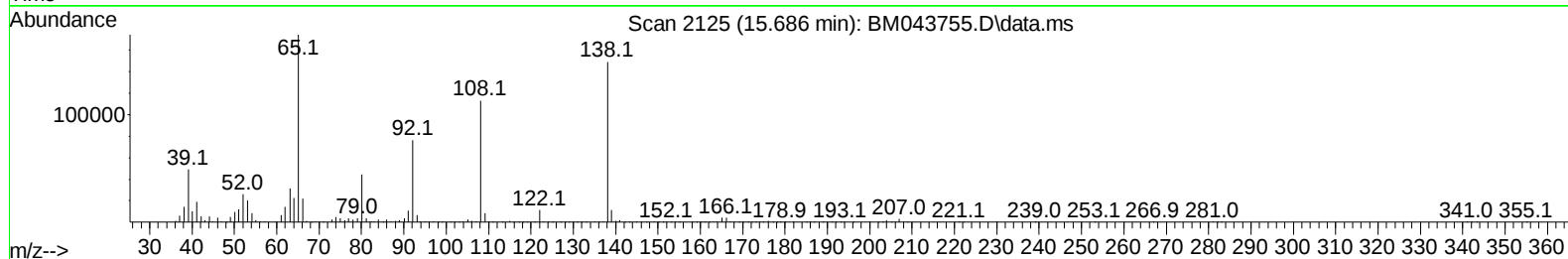
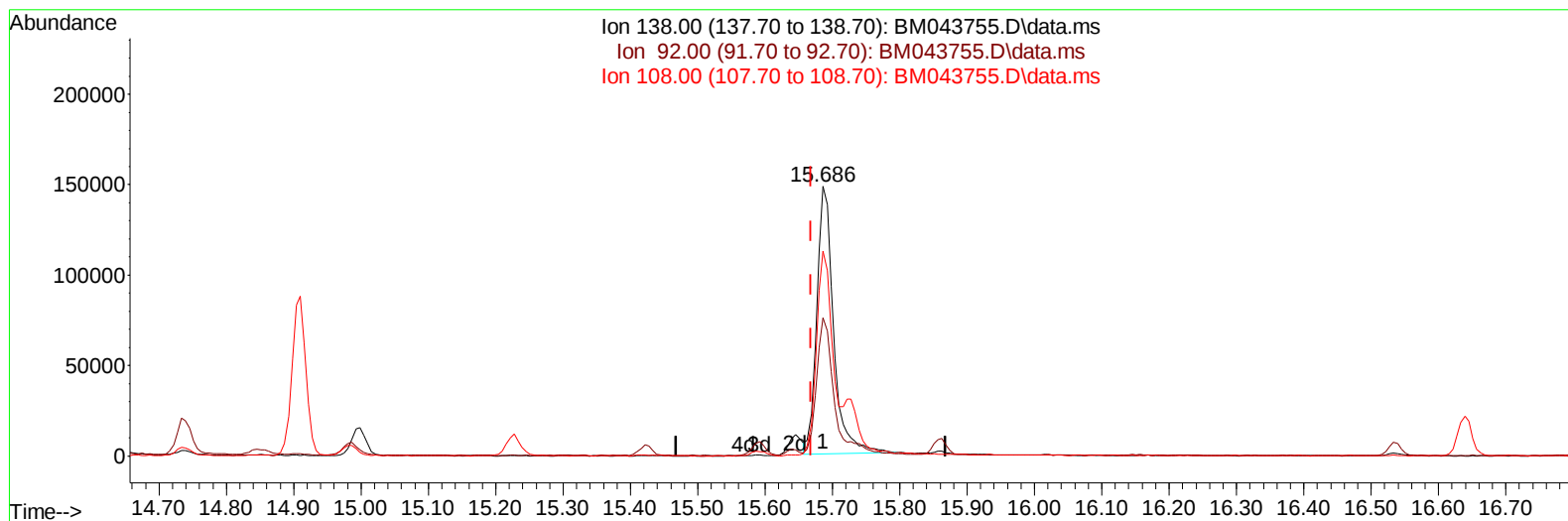
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM010224\  
 Data File : BM043755.D  
 Acq On : 04 Jan 2024 04:56  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jan 04 05:33:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 29 22:31:57 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/04/2024  
 Supervised By :mohammad ahmed 01/05/2024



TIC: BM043755.D\data.ms

**(63) 4-Nitroaniline**

**15.686min (+ 0.018) 19.23 ng/ul**

**response 256197**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 54.90  | 51.23  |
| 108.00 | 83.80  | 75.97  |
| 0.00   | 0.00   | 0.00   |

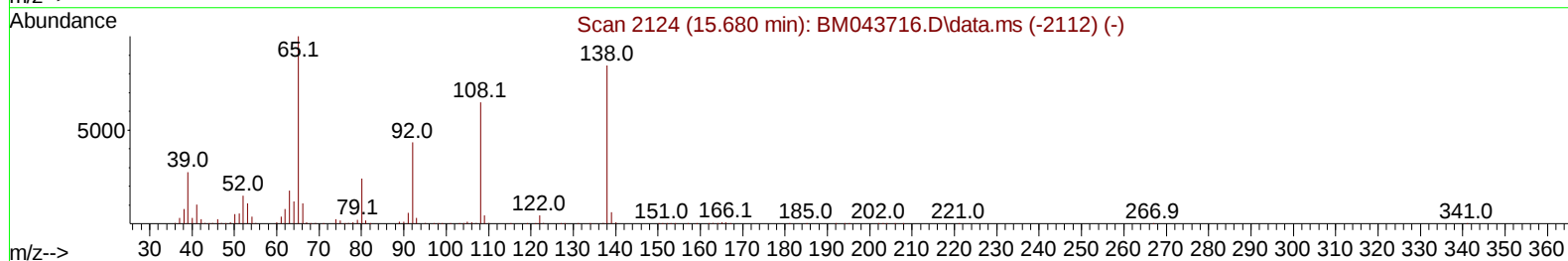
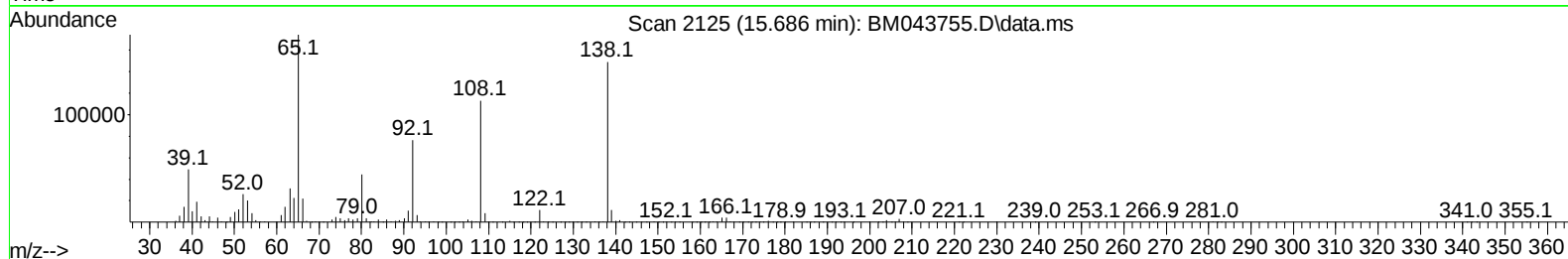
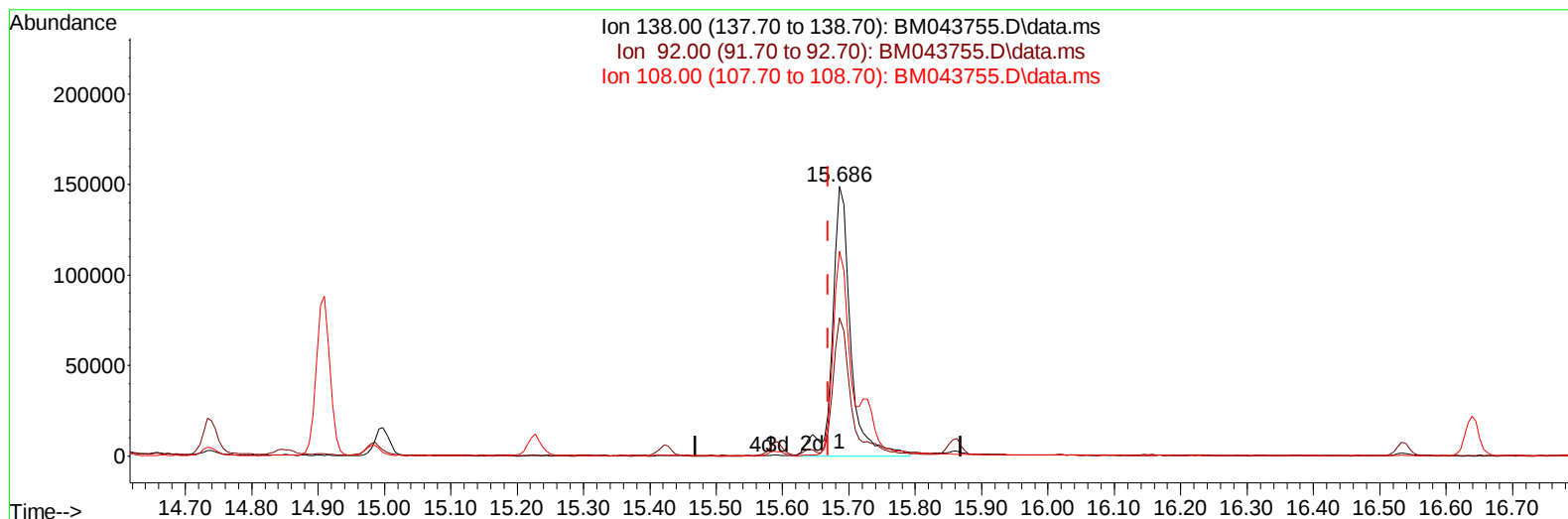
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Instrument :  
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 LabSampleId :  
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 Quant Title : SVOA CALIBRATION  
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TIC: BM043755.D\data.ms

**(63) 4-Nitroaniline**

**15.686min (+ 0.018) 21.25 ng/ul m**

**response 283090**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 54.90  | 51.23  |
| 108.00 | 83.80  | 75.97  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM010224\  
 Data File : BM043755.D  
 Acq On : 04 Jan 2024 04:56  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jan 04 06:00:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 29 22:31:57 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/04/2024  
 Supervised By :mohammad ahmed 01/05/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.957  | 152  | 283044   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.769 | 136  | 1233919  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.598 | 164  | 737677   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 1474674  | 20.000 | ng/ul  | # 0.01   |
| 79) Chrysene-d12              | 21.533 | 240  | 1271625  | 20.000 | ng/ul  | 0.01     |
| 88) Perylene-d12              | 23.956 | 264  | 1418979  | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.369  | 96   | 60612    | 6.960  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.799  | 84   | 443317   | 17.687 | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.134  | 99   | 589892   | 18.320 | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.298  | 67   | 344416   | 16.890 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.493  | 132  | 465989   | 18.955 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 454899   | 18.206 | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 9.134  | 128  | 224085   | 18.770 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.857  | 143  | 249979   | 20.266 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.398 | 165  | 454173   | 20.857 | ng/ul  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.922 | 131  | 591481   | 18.463 | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 1236926  | 18.627 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.292 | 160  | 1499342  | 19.033 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.833 | 143  | 217293   | 17.289 | ng/ul  | 0.04     |
| 60) Fluorene-d10              | 15.592 | 176  | 1061290  | 19.327 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.727 | 200  | 141446   | 14.503 | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.445 | 188  | 1567545  | 18.954 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.739 | 212  | 1679508  | 16.729 | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.797 | 264  | 1627510  | 18.586 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 68853    | 7.156  | ng/uL  | 98       |
| 5) Pyridine                   | 3.816  | 79   | 472049   | 18.211 | ng/ul  | 97       |
| 6) Benzaldehyde               | 7.110  | 77   | 262615   | 17.201 | ng/ul  | 95       |
| 8) Phenol                     | 7.163  | 94   | 577814   | 18.241 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.393  | 93   | 449986   | 17.498 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.522  | 128  | 469463   | 18.746 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.416  | 108  | 442870   | 18.412 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 738782   | 17.107 | ng/ul  | 99       |
| 16) Acetophenone              | 8.798  | 105  | 661971   | 17.305 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.775  | 70   | 362815   | 15.891 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.745  | 108  | 469306   | 18.003 | ng/ul  | 95       |
| 19) Hexachloroethane          | 9.028  | 117  | 190446   | 18.035 | ng/ul  | 86       |
| 22) Nitrobenzene              | 9.181  | 77   | 524881   | 17.765 | ng/ul  | 99       |
| 23) Isophorone                | 9.704  | 82   | 1006417  | 16.792 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.887  | 139  | 260128   | 19.842 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.951  | 107  | 450599   | 19.295 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.187 | 93   | 600030   | 16.956 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.422 | 162  | 433601   | 20.519 | ng/ul  | 96       |
| 30) Naphthalene               | 10.816 | 128  | 1495297  | 19.014 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.945 | 127  | 571038   | 18.537 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.081 | 225  | 240997   | 22.368 | ng/ul  | 99       |
| 34) Caprolactam               | 11.745 | 113  | 132145   | 19.568 | ng/ul  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.075 | 107  | 466016   | 18.775 | ng/ul  | 96       |

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Manual IntegrationsAPPROVED

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 29 22:31:57 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/04/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 1007178  | 18.815 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.645 | 142  | 1017077  | 18.837 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.786 | 216  | 461222   | 20.520 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 279316   | 19.806 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.039 | 196  | 325202   | 20.355 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.116 | 196  | 351285   | 20.708 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.433 | 154  | 1266681  | 18.013 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.480 | 162  | 1016667  | 18.858 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.698 | 65   | 308598   | 17.070 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.063 | 163  | 1212364  | 18.487 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.192 | 165  | 246711   | 19.458 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.322 | 152  | 1705402  | 18.852 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.527 | 138  | 266806   | 18.331 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.663 | 153  | 1112076  | 18.653 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.739 | 184  | 112953   | 16.735 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 158617   | 16.253 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.998 | 168  | 1485777  | 19.296 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.980 | 165  | 352000   | 19.650 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.227 | 232  | 279569   | 21.510 | ng/ul  | 90       |
| 59) Diethylphthalate          | 15.421 | 149  | 1256203  | 18.692 | ng/ul  | 100      |
| 61) Fluorene                  | 15.645 | 166  | 1256310  | 19.098 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 560950   | 19.386 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.686 | 138  | 283090m  | 21.249 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 152784   | 14.673 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.863 | 169  | 999392   | 17.644 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.539 | 248  | 341900   | 19.570 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 411152   | 20.541 | ng/ul  | 95       |
| 70) Atrazine                  | 16.816 | 200  | 269146   | 21.678 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.998 | 266  | 270375   | 22.344 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.392 | 178  | 1872998  | 18.740 | ng/ul  | 100      |
| 74) Anthracene                | 17.480 | 178  | 1893968  | 18.776 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.392 | 216  | 467060   | 19.286 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.910 | 250  | 467267   | 19.815 | ng/uL  | 98       |
| 77) Carbazole                 | 17.763 | 167  | 1744360  | 20.262 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.321 | 149  | 2208345  | 19.622 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.404 | 202  | 2019800  | 16.246 | ng/ul  | 95       |
| 82) Pyrene                    | 19.768 | 202  | 2103779  | 16.460 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.668 | 149  | 985903   | 17.842 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.456 | 252  | 612923   | 19.571 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.515 | 228  | 1982083  | 18.640 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.445 | 149  | 1480084  | 18.814 | ng/ul  | 100      |
| 87) Chrysene                  | 21.568 | 228  | 1821296  | 19.039 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.386 | 149  | 2528351  | 18.626 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.215 | 252  | 1908528  | 17.551 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.268 | 252  | 1994672  | 18.808 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.850 | 252  | 1848294  | 18.630 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.485 | 276  | 2313697  | 19.531 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.509 | 278  | 1912529  | 19.497 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.268 | 276  | 1805210  | 19.440 | ng/ul  | 96       |

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

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 01/04/2024  
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