

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082924\  
 Data File : BM047391.D  
 Acq On : 29 Aug 2024 11:37  
 Operator : RC/JU  
 Sample : PB163024BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 PB163024BS

**Manual Integrations**  
**APPROVED**

Reviewed By :Jagrut Upadhyay 08/30/2024  
 Supervised By :mohammad ahmed 09/02/2024

Quant Time: Aug 29 12:13:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 26 18:11:40 2024  
 Response via : Initial Calibration

| Compound                           | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|------------------------------------|--------|------|----------|---------|-------|----------|
| <b>Internal Standards</b>          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4          | 7.345  | 152  | 293280   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8                 | 10.104 | 136  | 1171133  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10               | 14.010 | 164  | 825608   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10               | 16.780 | 188  | 1784491  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12                   | 21.027 | 240  | 1585657  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12                   | 23.721 | 264  | 1734077  | 20.000  | ng    | 0.00     |
| <b>System Monitoring Compounds</b> |        |      |          |         |       |          |
| 5) 2-Fluorophenol                  | 5.010  | 112  | 1996798  | 130.625 | ng    | 0.00     |
| 7) Phenol-d6                       | 6.581  | 99   | 2651723  | 127.338 | ng    | 0.01     |
| 23) Nitrobenzene-d5                | 8.504  | 82   | 1694888  | 80.300  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol           | 15.527 | 330  | 1249509  | 125.442 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl               | 12.622 | 172  | 4211848  | 78.385  | ng    | 0.00     |
| 79) Terphenyl-d14                  | 19.450 | 244  | 7048784  | 79.125  | ng    | 0.00     |

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| Target Compounds              | R.T.   | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|--------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                | 3.016  | 88   | 171895   | 27.473 | ng    | 99     |
| 3) Pyridine                   | 3.393  | 79   | 481522   | 27.728 | ng    | 98     |
| 4) n-Nitrosodimethylamine     | 3.310  | 42   | 287065   | 40.589 | ng    | 98     |
| 6) Aniline                    | 6.698  | 93   | 504940   | 26.772 | ng    | 99     |
| 8) 2-Chlorophenol             | 6.934  | 128  | 848844   | 49.611 | ng    | 97     |
| 9) Benzaldehyde               | 6.516  | 77   | 151960   | 10.681 | ng    | 96     |
| 10) Phenol                    | 6.604  | 94   | 993232   | 48.478 | ng    | 100    |
| 11) bis(2-Chloroethyl)ether   | 6.804  | 93   | 789145   | 44.447 | ng    | 98     |
| 12) 1,3-Dichlorobenzene       | 7.234  | 146  | 860657   | 41.136 | ng    | 100    |
| 13) 1,4-Dichlorobenzene       | 7.381  | 146  | 880038   | 41.532 | ng    | 100    |
| 14) 1,2-Dichlorobenzene       | 7.692  | 146  | 857490   | 42.703 | ng    | 99     |
| 15) Benzyl Alcohol            | 7.610  | 79   | 744902   | 51.597 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropr... | 7.869  | 45   | 920668m  | 43.246 | ng    |        |
| 17) 2-Methylphenol            | 7.822  | 107  | 688113   | 48.341 | ng    | 98     |
| 18) Hexachloroethane          | 8.392  | 117  | 330348   | 41.705 | ng    | 99     |
| 19) n-Nitroso-di-n-propyla... | 8.163  | 70   | 586007   | 40.937 | ng    | 98     |
| 20) 3+4-Methylphenols         | 8.151  | 107  | 932631   | 47.123 | ng    | 96     |
| 22) Acetophenone              | 8.175  | 105  | 1058146  | 38.932 | ng    | # 100  |
| 24) Nitrobenzene              | 8.545  | 77   | 896705   | 41.307 | ng    | 98     |
| 25) Isophorone                | 9.069  | 82   | 1698320  | 42.573 | ng    | 98     |
| 26) 2-Nitrophenol             | 9.239  | 139  | 502993   | 47.106 | ng    | 98     |
| 27) 2,4-Dimethylphenol        | 9.328  | 122  | 622719   | 51.666 | ng    | 99     |
| 28) bis(2-Chloroethoxy)met... | 9.551  | 93   | 1040534  | 42.595 | ng    | 99     |
| 29) 2,4-Dichlorophenol        | 9.786  | 162  | 932601   | 49.881 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene    | 9.975  | 180  | 912311   | 42.245 | ng    | 99     |
| 31) Naphthalene               | 10.151 | 128  | 2392852  | 41.833 | ng    | 99     |
| 32) Benzoic acid              | 9.551  | 122  | 613538   | 42.630 | ng    | 98     |
| 33) 4-Chloroaniline           | 10.292 | 127  | 704469   | 33.123 | ng    | 99     |
| 34) Hexachlorobutadiene       | 10.433 | 225  | 559742   | 41.503 | ng    | 99     |
| 35) Caprolactam               | 11.122 | 113  | 279775m  | 46.193 | ng    |        |
| 36) 4-Chloro-3-methylphenol   | 11.451 | 107  | 904575   | 47.643 | ng    | 100    |
| 37) 2-Methylnaphthalene       | 11.780 | 142  | 1797781  | 43.105 | ng    | 99     |
| 38) 1-Methylnaphthalene       | 12.010 | 142  | 1675638  | 40.623 | ng    | 100    |
| 40) 1,2,4,5-Tetrachloroben... | 12.163 | 216  | 983113   | 40.213 | ng    | 99     |
| 41) Hexachlorocyclopentadiene | 12.133 | 237  | 695234   | 90.105 | ng    | 99     |
| 43) 2,4,6-Trichlorophenol     | 12.433 | 196  | 788866   | 47.070 | ng    | 99     |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.527 | 196  | 801055   | 43.039 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 12.833 | 154  | 2232110  | 38.719 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 12.869 | 162  | 1840135  | 40.732 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.104 | 65   | 586893   | 46.378 | ng    | 96       |
| 49) Acenaphthylene            | 13.727 | 152  | 3014969  | 45.919 | ng    | 100      |
| 50) Dimethylphthalate         | 13.492 | 163  | 2549459  | 44.816 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.621 | 165  | 591379   | 44.649 | ng    | 94       |
| 52) Acenaphthene              | 14.080 | 154  | 1766044  | 42.370 | ng    | 100      |
| 53) 3-Nitroaniline            | 13.951 | 138  | 478132   | 39.120 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.180 | 184  | 773883   | 94.876 | ng    | 97       |
| 55) Dibenzofuran              | 14.421 | 168  | 2925171  | 43.570 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.316 | 139  | 917223   | 96.007 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.427 | 165  | 779194   | 45.444 | ng    | 91       |
| 58) Fluorene                  | 15.074 | 166  | 2347102  | 43.197 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.668 | 232  | 728082   | 47.625 | ng    | 98       |
| 60) Diethylphthalate          | 14.880 | 149  | 2495429  | 44.470 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.080 | 204  | 1200652  | 43.438 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.139 | 138  | 533183   | 47.158 | ng    | 98       |
| 63) Azobenzene                | 15.374 | 77   | 2124306  | 43.472 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.204 | 198  | 521587   | 47.622 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.304 | 169  | 2107059  | 43.152 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 15.974 | 248  | 805036   | 42.763 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.086 | 284  | 913029   | 41.991 | ng    | 98       |
| 69) Atrazine                  | 16.280 | 200  | 643827   | 40.339 | ng    | 98       |
| 70) Pentachlorophenol         | 16.445 | 266  | 1161080  | 82.594 | ng    | 99       |
| 71) Phenanthrene              | 16.821 | 178  | 3833804  | 44.238 | ng    | 99       |
| 72) Anthracene                | 16.915 | 178  | 3833503  | 45.377 | ng    | 100      |
| 73) Carbazole                 | 17.198 | 167  | 3709931  | 45.762 | ng    | 100      |
| 74) Di-n-butylphthalate       | 17.774 | 149  | 4434980  | 44.926 | ng    | 100      |
| 75) Fluoranthene              | 18.862 | 202  | 4663362  | 45.828 | ng    | 100      |
| 77) Benzidine                 | 19.068 | 184  | 598135   | 22.598 | ng    | 100      |
| 78) Pyrene                    | 19.227 | 202  | 4881073  | 40.135 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.162 | 149  | 2071146  | 43.520 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.009 | 228  | 4665941  | 45.123 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 20.950 | 252  | 1457229  | 41.893 | ng    | # 98     |
| 83) Chrysene                  | 21.068 | 228  | 4309551  | 44.305 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 20.956 | 149  | 2815250  | 41.855 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 21.986 | 149  | 5204552  | 45.971 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.744 | 276  | 5806431  | 53.489 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.886 | 252  | 4999778  | 49.420 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.944 | 252  | 4627635  | 48.252 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.603 | 252  | 4576664  | 52.311 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.791 | 278  | 4678711  | 53.203 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.679 | 276  | 4555260  | 49.826 | ng    | 99       |

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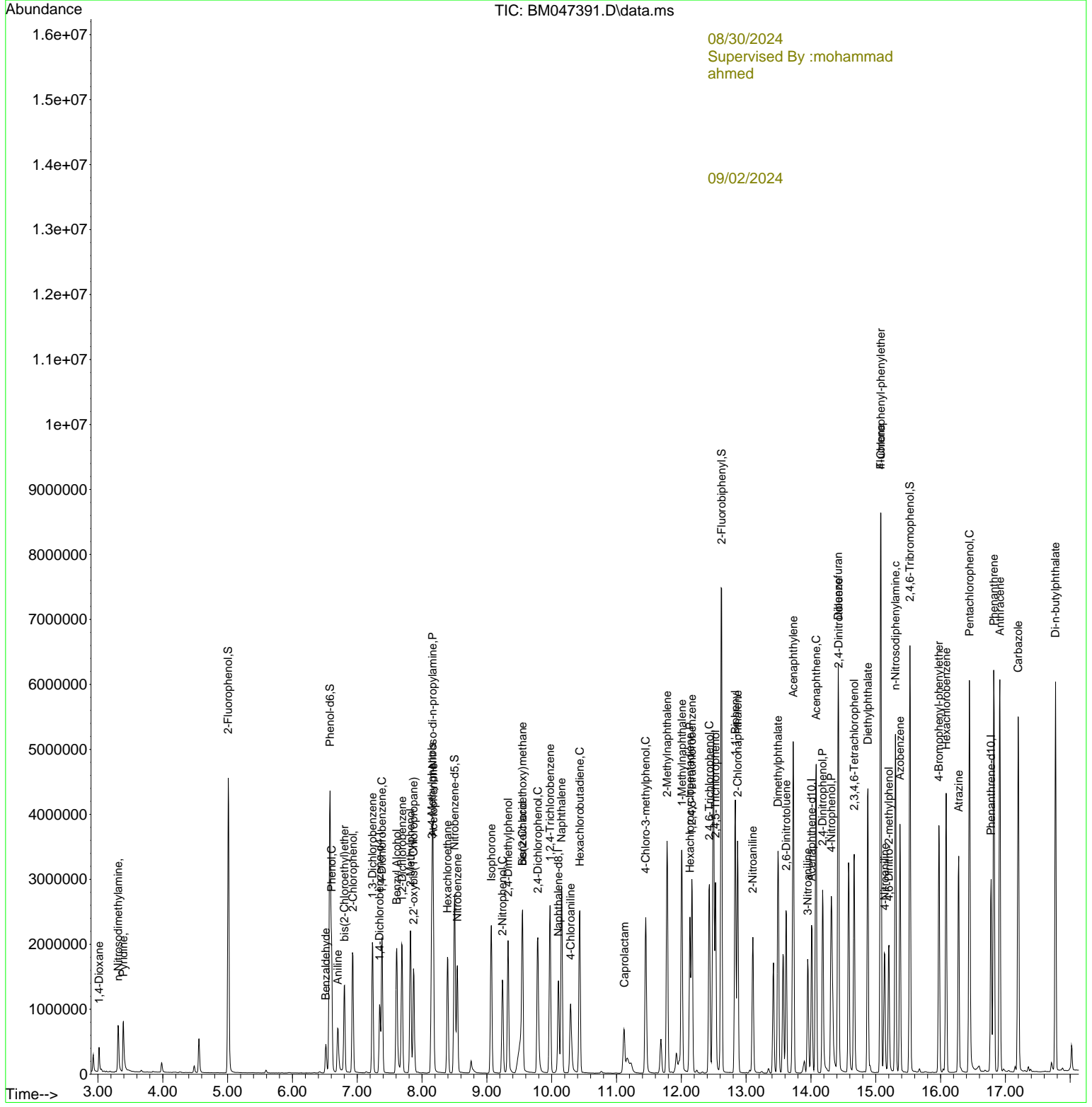
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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