

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091625\  
 Data File : BF143773.D  
 Acq On : 16 Sep 2025 14:17  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 09/17/2025  
 Supervised By :Jagrut Upadhyay 09/17/2025

Quant Time: Sep 16 16:06:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 16 15:40:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 5625     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 19857    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.934  | 164  | 10388    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 17215    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.069 | 240  | 10578    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.551 | 264  | 9466     | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 42554    | 120.777 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 47542    | 115.531 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 40717    | 121.332 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 14635    | 139.681 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 91249    | 120.926 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 85643    | 126.098 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 10807    | 58.954  | ng    | 99       |
| 3) Pyridine                   | 3.416  | 79   | 27577    | 60.868  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 9837     | 61.136  | ng    | 89       |
| 6) Aniline                    | 6.557  | 93   | 32199    | 59.859  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.681  | 128  | 20922    | 55.118  | ng    | 97       |
| 9) Benzaldehyde               | 6.446  | 77   | 17563    | 69.125  | ng    | 96       |
| 10) Phenol                    | 6.534  | 94   | 26888m   | 58.734  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 19654    | 57.666  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 23123    | 54.719  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 24528    | 58.600  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 22409    | 56.904  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 16434    | 59.768  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 21925    | 57.756  | ng    | 96       |
| 17) 2-Methylphenol            | 7.140  | 107  | 17203    | 60.491  | ng    | 96       |
| 18) Hexachloroethane          | 7.410  | 117  | 7731     | 59.019  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 14278    | 59.726  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 22723    | 60.702  | ng    | 95       |
| 22) Acetophenone              | 7.304  | 105  | 28007    | 59.739  | ng    | # 91     |
| 24) Nitrobenzene              | 7.481  | 77   | 20066    | 58.967  | ng    | 98       |
| 25) Isophorone                | 7.722  | 82   | 37619    | 61.894  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.793  | 139  | 11390    | 62.003  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 18547    | 63.662  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 22940    | 60.552  | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 8.034  | 162  | 17675    | 61.793  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 18467    | 59.898  | ng    | 98       |
| 31) Naphthalene               | 8.198  | 128  | 60876    | 60.021  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 11770m   | 63.433  | ng    |          |
| 33) 4-Chloroaniline           | 8.245  | 127  | 21148    | 62.508  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 11656    | 58.967  | ng    | 93       |
| 35) Caprolactam               | 8.634  | 113  | 4629     | 67.156  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 17171    | 60.726  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 39983    | 60.988  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 38110    | 59.554  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 9.057  | 216  | 18860    | 60.189  | ng    | # 96     |
| 41) Hexachlorocyclopentadiene | 9.045  | 237  | 10500    | 61.323  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 13477    | 63.717  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 12709    | 60.148 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 47617    | 59.663 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.381  | 162  | 37830    | 60.897 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.475  | 65   | 10548    | 64.802 | ng    | 97       |
| 49) Acenaphthylene            | 9.798  | 152  | 54573    | 62.510 | ng    | 98       |
| 50) Dimethylphthalate         | 9.651  | 163  | 42885    | 62.813 | ng    | # 97     |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 9414     | 66.887 | ng    | 98       |
| 52) Acenaphthene              | 9.969  | 154  | 37326    | 63.795 | ng    | 93       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 9861     | 66.438 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 5248     | 62.602 | ng    | # 51     |
| 55) Dibenzofuran              | 10.139 | 168  | 53070    | 62.461 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 7862     | 69.939 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 12518    | 63.909 | ng    | 99       |
| 58) Fluorene                  | 10.486 | 166  | 42095    | 63.364 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232  | 10825    | 66.873 | ng    | # 97     |
| 60) Diethylphthalate          | 10.357 | 149  | 40712    | 64.948 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204  | 21107    | 63.335 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 9548     | 67.342 | ng    | 95       |
| 63) Azobenzene                | 10.639 | 77   | 36137    | 65.325 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 7600     | 63.260 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 34779    | 57.890 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248  | 12776    | 60.068 | ng    | 93       |
| 68) Hexachlorobenzene         | 11.034 | 284  | 13785    | 60.914 | ng    | 97       |
| 69) Atrazine                  | 11.122 | 200  | 11239    | 62.988 | ng    | 98       |
| 70) Pentachlorophenol         | 11.222 | 266  | 8164     | 65.340 | ng    | 96       |
| 71) Phenanthrene              | 11.451 | 178  | 59503    | 59.974 | ng    | 99       |
| 72) Anthracene                | 11.504 | 178  | 60584    | 59.881 | ng    | 100      |
| 73) Carbazole                 | 11.657 | 167  | 50257    | 60.940 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 61552    | 61.438 | ng    | 99       |
| 75) Fluoranthene              | 12.639 | 202  | 54370    | 59.397 | ng    | 97       |
| 77) Benzidine                 | 12.757 | 184  | 15664    | 47.872 | ng    | 99       |
| 78) Pyrene                    | 12.869 | 202  | 55203    | 64.136 | ng    | 94       |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 18961    | 63.737 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 43538    | 62.549 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.022 | 252  | 11271    | 56.602 | ng    | # 93     |
| 83) Chrysene                  | 14.098 | 228  | 36856    | 58.045 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 24458    | 60.598 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.663 | 149  | 39833    | 58.464 | ng    | # 98     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.063 | 276  | 36470    | 60.193 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.116 | 252  | 35571    | 60.689 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 31171    | 60.648 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 30204    | 59.797 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 30224    | 62.090 | ng    | 93       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 28318    | 60.686 | ng    | 99       |

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

## Manual Integrations

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Supervised By :Jagrut Upadhyay 09/17/2025

Abundance

TIC: BF143773.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylamine

2-Fluorophenol, S

Phenol

Bis(2-Chloroethyl) Ether

1,3-Dichlorobenzene

2,2'-oxybis(1,2-dichlorobenzene)

Nitrobenzene

4-Methylphenol

2-Nitrophenol

4-Dimethylphenol

Benzoic acid

1,2,3,4-tetrachlorobenzene

Naphthalene

Hexachlorobutadiene, C

Caprolactam

4-Chloro-3-methylphenol, C

2-Nitroaniline

2,4,6-Trichlorophenol

2,6-Dimethylololuene

Dimethylphthalate

Acenaphthylene

4-Nitrophenol

2,4-Dinitrophenol

2,3,4,6-Tetrachlorophenol

4,6-Dinitrophenol

Azobenzene

4-Nitroazobenzene

4-Hydroxyazobenzene

4-Azobenzene

4-Hydroxyphenol

Phenanthrene

4-Hydroxyphenol

Carbazole

Di-n-butylphthalate

Fluoranthene, C

Pyrene

3,3'-Dichlorobenzidine

Chrysene

1,2-Ethylenebis(2-ethylhexyl)phthalate

Di-n-octyl phthalate, c

Benzo(a)pyrene

Perylene

Benzo(a)pyrene, C

Benzo(g,h,i)perylene

Benzo(a)anthracene