

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101023\  
 Data File : BN028214.D  
 Acq On : 11 Oct 2023 02:22  
 Operator : MA/JU  
 Sample : 04693-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-1(0-5)

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023  
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 11 03:08:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 10 00:42:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 5285     | 0.400   | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.735 | 136  | 16703    | 0.400   | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.555 | 164  | 10533    | 0.400   | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.319 | 188  | 18024    | 0.400   | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.515 | 240  | 13276m   | 0.400   | ng    | 0.00     |
| 35) Perylene-d12              | 23.987 | 264  | 19389m   | 0.400   | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) 2-Fluorophenol             | 5.466  | 112  | 2438     | 0.155   | ng    | 0.00     |
| 5) Phenol-d6                  | 7.084  | 99   | 2738     | 0.138   | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.112  | 82   | 2327     | 0.164   | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.313 | 152  | 3368     | 0.136   | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.065 | 330  | 624      | 0.129   | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.187 | 172  | 4788     | 0.126   | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.356 | 212  | 7059     | 0.156   | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.936 | 244  | 9672     | 0.312   | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 9) Naphthalene                | 10.778 | 128  | 513416   | 11.896  | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.389 | 142  | 188946   | 6.259   | ng    | 99       |
| 16) Acenaphthylene            | 14.288 | 152  | 1465926  | 31.417  | ng    | 99       |
| 17) Acenaphthene              | 14.619 | 154  | 110484   | 3.714   | ng    | 98       |
| 18) Fluorene                  | 15.606 | 166  | 502232   | 13.001  | ng    | # 94     |
| 25) Phenanthrene              | 17.368 | 178  | 5271584  | 108.486 | ng    | 99       |
| 26) Anthracene                | 17.455 | 178  | 2514368  | 54.744  | ng    | 97       |
| 28) Fluoranthene              | 19.393 | 202  | 6696953  | 119.420 | ng    | 97       |
| 30) Pyrene                    | 19.760 | 202  | 7026437  | 144.334 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.506 | 228  | 4050084  | 89.652  | ng    | 93       |
| 33) Chrysene                  | 21.560 | 228  | 3548321  | 81.503  | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.372 | 149  | 30604    | 1.030   | ng    | # 90     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.589 | 276  | 2225959  | 34.131  | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 23.230 | 252  | 4287112  | 68.463  | ng    | # 89     |
| 38) Benzo(k)fluoranthene      | 23.271 | 252  | 1526822m | 24.039  | ng    |          |
| 39) Benzo(a)pyrene            | 23.882 | 252  | 3613316m | 61.024  | ng    |          |
| 40) Dibenzo(a,h)anthracene    | 26.592 | 278  | 637164   | 11.943  | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 27.408 | 276  | 2204609  | 40.258  | ng    | 95       |
| -----                         |        |      |          |         |       |          |

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

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