

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN113021\  
 Data File : BN017643.D  
 Acq On : 01 Dec 2021 10:22  
 Operator : CG/JU  
 Sample : M4862-09  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CS-5B

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021  
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 01 10:52:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN113021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 30 18:26:44 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.773  | 152  | 22902    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.547 | 136  | 95767    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.384 | 164  | 60009    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.116 | 188  | 120483   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.314 | 240  | 102664   | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.619 | 264  | 95448    | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.394  | 112  | 1320     | 0.025 | ng    | 0.03     |
| 5) Phenol-d6                  | 6.952  | 99   | 6393     | 0.116 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.913  | 82   | 16571    | 0.408 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.138 | 152  | 49423    | 0.296 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.869 | 330  | 202      | 0.130 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.014 | 172  | 65121    | 0.279 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.154 | 212  | 110849   | 0.294 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.754 | 244  | 83078    | 0.369 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.598 | 128  | 38245    | 0.158 | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.213 | 142  | 16123    | 0.101 | ng    | 98       |
| 16) Acenaphthylene            | 14.105 | 152  | 133775   | 0.572 | ng    | 99       |
| 17) Acenaphthene              | 14.448 | 154  | 41275    | 0.255 | ng    | 99       |
| 18) Fluorene                  | 15.425 | 166  | 93677m   | 0.476 | ng    |          |
| 24) Pentachlorophenol         | 16.788 | 266  | 403m     | 0.201 | ng    |          |
| 25) Phenanthrene              | 17.165 | 178  | 2041931  | 6.179 | ng    | 99       |
| 26) Anthracene                | 17.250 | 178  | 346499   | 1.220 | ng    | # 91     |
| 28) Fluoranthene              | 19.188 | 202  | 3100748  | 8.292 | ng    | 97       |
| 30) Pyrene                    | 19.551 | 202  | 2533324  | 7.644 | ng    | # 96     |
| 32) Benzo(a)anthracene        | 21.293 | 228  | 1261667  | 4.046 | ng    | 96       |
| 33) Chrysene                  | 21.346 | 228  | 1262805  | 3.723 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 352129   | 4.761 | ng    | 95       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.988 | 276  | 469018   | 1.513 | ng    | # 91     |
| 37) Benzo(b)fluoranthene      | 22.925 | 252  | 1584313  | 5.005 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 22.966 | 252  | 595838m  | 1.836 | ng    |          |
| 39) Benzo(a)pyrene            | 23.517 | 252  | 870664   | 3.073 | ng    | # 92     |
| 40) Dibenzo(a,h)anthracene    | 25.998 | 278  | 117304   | 0.463 | ng    | # 74     |
| 41) Benzo(g,h,i)perylene      | 26.714 | 276  | 397819   | 1.527 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

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

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