

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110223\  
 Data File : BN028446.D  
 Acq On : 03 Nov 2023 06:32  
 Operator : MA/JU  
 Sample : 05220-04  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 Z-7(0-5)

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023  
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 07:14:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN110123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 02 06:26:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|-------|----------|
| -----                         |        |      |           |         |       |          |
| Internal Standards            |        |      |           |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.739  | 152  | 14254     | 0.400   | ng    | # 0.01   |
| 7) Naphthalene-d8             | 10.519 | 136  | 34933     | 0.400   | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.374 | 164  | 30229     | 0.400   | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.133 | 188  | 35557     | 0.400   | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.355 | 240  | 28489     | 0.400   | ng    | # 0.03   |
| 35) Perylene-d12              | 23.675 | 264  | 35786     | 0.400   | ng    | # 0.03   |
|                               |        |      |           |         |       |          |
| System Monitoring Compounds   |        |      |           |         |       |          |
| 4) 2-Fluorophenol             | 5.312  | 112  | 10939     | 0.294   | ng    | 0.01     |
| 5) Phenol-d6                  | 6.901  | 99   | 13880     | 0.294   | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 9121      | 0.404   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.121 | 152  | 17678     | 0.354   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.867 | 330  | 3479      | 0.295   | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 13.006 | 172  | 12968     | 0.361   | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.185 | 212  | 31430     | 0.358   | ng    | 0.03     |
| 31) Terphenyl-d14             | 19.775 | 244  | 38522     | 0.642   | ng    | 0.00     |
|                               |        |      |           |         |       |          |
| Target Compounds              |        |      |           |         |       | Qvalue   |
| 9) Naphthalene                | 10.573 | 128  | 1971991   | 20.915  | ng    | 100      |
| 12) 2-Methylnaphthalene       | 12.193 | 142  | 626145    | 9.530   | ng    | 100      |
| 16) Acenaphthylene            | 14.096 | 152  | 5699964   | 38.176  | ng    | 99       |
| 17) Acenaphthene              | 14.438 | 154  | 1427162   | 15.076  | ng    | 98       |
| 18) Fluorene                  | 15.432 | 166  | 3560754   | 27.638  | ng    | 99       |
| 25) Phenanthrene              | 17.183 | 178  | 17349761  | 165.181 | ng    | # 94     |
| 26) Anthracene                | 17.270 | 178  | 10087757  | 100.582 | ng    | 97       |
| 28) Fluoranthene              | 19.217 | 202  | 19409067m | 158.309 | ng    |          |
| 30) Pyrene                    | 19.580 | 202  | 19248058  | 161.982 | ng    | # 84     |
| 32) Benzo(a)anthracene        | 21.337 | 228  | 13001728  | 115.001 | ng    | # 87     |
| 33) Chrysene                  | 21.391 | 228  | 10715798  | 95.151  | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 131987    | 2.258   | ng    | # 79     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.110 | 276  | 7891800   | 55.929  | ng    | # 91     |
| 37) Benzo(b)fluoranthene      | 22.994 | 252  | 13996772  | 100.408 | ng    | 97       |
| 38) Benzo(k)fluoranthene      | 23.029 | 252  | 5789468m  | 41.320  | ng    |          |
| 39) Benzo(a)pyrene            | 23.599 | 252  | 11510759  | 94.465  | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 26.110 | 278  | 2167538   | 18.942  | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 26.853 | 276  | 7383983   | 60.253  | ng    | 94       |
| -----                         |        |      |           |         |       |          |

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

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