

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120121\  
 Data File : BN017657.D  
 Acq On : 01 Dec 2021 19:03  
 Operator : CG/JU  
 Sample : M4862-03DL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CS-2BDL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2021  
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 01 19:30:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN113021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 01 18:24:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.736  | 152  | 20777    | 0.400 | ng    | -0.04    |
| 7) Naphthalene-d8             | 10.522 | 136  | 88483    | 0.400 | ng    | #-0.03   |
| 13) Acenaphthene-d10          | 14.359 | 164  | 56346    | 0.400 | ng    | -0.03    |
| 19) Phenanthrene-d10          | 17.104 | 188  | 123919   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.292 | 240  | 130820   | 0.400 | ng    | -0.01    |
| 35) Perylene-d12              | 23.585 | 264  | 146926   | 0.400 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.348  | 112  | 886      | 0.019 | ng    | -0.03    |
| 5) Phenol-d6                  | 6.915  | 99   | 1790     | 0.036 | ng    | -0.03    |
| 8) Nitrobenzene-d5            | 8.874  | 82   | 2182     | 0.058 | ng    | -0.04    |
| 11) 2-Methylnaphthalene-d10   | 12.111 | 152  | 7877     | 0.051 | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol      | 15.856 | 330  | 113      | 0.128 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.988 | 172  | 10358    | 0.047 | ng    | -0.03    |
| 27) Fluoranthene-d10          | 19.134 | 212  | 22051    | 0.057 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.739 | 244  | 15511    | 0.054 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.560 | 128  | 43705    | 0.196 | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.182 | 142  | 12248    | 0.083 | ng    | 97       |
| 16) Acenaphthylene            | 14.080 | 152  | 41736    | 0.190 | ng    | 99       |
| 17) Acenaphthene              | 14.422 | 154  | 11629    | 0.077 | ng    | 98       |
| 18) Fluorene                  | 15.412 | 166  | 35214    | 0.191 | ng    | 98       |
| 25) Phenanthrene              | 17.140 | 178  | 770297   | 2.266 | ng    | 100      |
| 26) Anthracene                | 17.226 | 178  | 108994   | 0.373 | ng    | # 91     |
| 28) Fluoranthene              | 19.163 | 202  | 1082065  | 2.813 | ng    | 97       |
| 30) Pyrene                    | 19.526 | 202  | 837970   | 1.984 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.271 | 228  | 440577   | 1.109 | ng    | 97       |
| 33) Chrysene                  | 21.324 | 228  | 455641   | 1.054 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.218 | 149  | 27806    | 0.295 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.936 | 276  | 306041   | 0.641 | ng    | # 91     |
| 37) Benzo(b)fluoranthene      | 22.890 | 252  | 622547   | 1.278 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.935 | 252  | 229456m  | 0.459 | ng    |          |
| 39) Benzo(a)pyrene            | 23.482 | 252  | 368829   | 0.846 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 25.943 | 278  | 73395    | 0.188 | ng    | # 89     |
| 41) Benzo(g,h,i)perylene      | 26.659 | 276  | 292848   | 0.730 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

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

## Manual Integrations

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