

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092123\  
 Data File : BF135381.D  
 Acq On : 21 Sep 2023 15:35  
 Operator : CG\JU  
 Sample : 04501-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Sep 22 05:56:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/22/2023  
 Supervised By :mohammad ahmed 09/27/2023

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.757  | 152  | 155477   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.033  | 136  | 563379   | 20.000 | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 9.792  | 164  | 238392   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.286 | 188  | 369376   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.945 | 240  | 271368   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.409 | 264  | 243908   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.387  | 112  | 780962   | 81.697 | ng    | 0.00     |
| 7) Phenol-d6                | 6.404  | 99   | 987883   | 81.272 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.322  | 82   | 598422   | 57.709 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.586 | 330  | 157469   | 66.470 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.116  | 172  | 956769   | 60.551 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.880 | 244  | 729471   | 41.671 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.057  | 128  | 76755    | 2.804  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.751  | 142  | 86242    | 4.687  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.845  | 142  | 86114    | 4.999  | ng    | 100      |
| 49) Acenaphthylene          | 9.651  | 152  | 82672    | 3.742  | ng    | # 97     |
| 52) Acenaphthene            | 9.827  | 154  | 122392   | 9.379  | ng    | 98       |
| 55) Dibenzofuran            | 9.998  | 168  | 109718   | 5.510  | ng    | # 97     |
| 58) Fluorene                | 10.345 | 166  | 233835   | 15.274 | ng    | 99       |
| 71) Phenanthrene            | 11.316 | 178  | 1187805  | 67.992 | ng    | 98       |
| 72) Anthracene              | 11.363 | 178  | 271941   | 15.144 | ng    | 98       |
| 73) Carbazole               | 11.521 | 167  | 109594   | 6.704  | ng    | 100      |
| 75) Fluoranthene            | 12.510 | 202  | 1392201  | 76.480 | ng    | 98       |
| 78) Pyrene                  | 12.745 | 202  | 1301629  | 50.380 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.933 | 228  | 563068   | 32.133 | ng    | 96       |
| 83) Chrysene                | 13.974 | 228  | 580549   | 33.323 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.892 | 276  | 168524   | 10.538 | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 14.986 | 252  | 495249m  | 37.509 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.009 | 252  | 163486m  | 12.535 | ng    |          |
| 90) Benzo(a)pyrene          | 15.351 | 252  | 347061   | 27.563 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene  | 16.903 | 278  | 45868    | 3.505  | ng    | # 87     |
| 92) Benzo(g,h,i)perylene    | 17.339 | 276  | 172075   | 12.592 | ng    | # 94     |
| -----                       |        |      |          |        |       |          |

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

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