

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
 Data File : BF118766.D  
 Acq On : 30 Jan 2020 22:03  
 Operator : CG/JU  
 Sample : L1307-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-NORTH-SIDE

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 7:57:29 AM

Quant Time: Jan 30 23:12:55 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 14:24:10 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 260363   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.12  | 136  | 952834   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.88  | 164  | 491812   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.37 | 188  | 811783   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.01 | 240  | 611185   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.48 | 264  | 765200   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 1044209  | 74.49  | ng    | -0.02    |
| 7) Phenol-d6                | 6.47  | 99   | 1294587  | 71.05  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 829853   | 48.71  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 398000   | 69.97  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1455376  | 48.64  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.95 | 244  | 1445415  | 51.58  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.15  | 128  | 763030   | 17.727 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.83  | 142  | 257539   | 8.477  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.93  | 142  | 175629   | 6.085  | ng    | 99       |
| 46) 1,1'-Biphenyl           | 9.30  | 154  | 90583    | 2.672  | ng    | 98       |
| 49) Acenaphthylene          | 9.74  | 152  | 276746   | 6.886  | ng    | 98       |
| 50) Dimethylphthalate       | 9.59  | 163  | 160702   | 5.015  | ng    | 99       |
| 52) Acenaphthene            | 9.91  | 154  | 393170   | 14.629 | ng    | 98       |
| 55) Dibenzofuran            | 10.08 | 168  | 540320   | 14.508 | ng    | 97       |
| 58) Fluorene                | 10.43 | 166  | 584747   | 19.999 | ng    | 99       |
| 71) Phenanthrene            | 11.39 | 178  | 3409190  | 87.049 | ng    | 97       |
| 72) Anthracene              | 11.44 | 178  | 1322079  | 34.116 | ng    | 99       |
| 73) Carbazole               | 11.59 | 167  | 460149   | 12.945 | ng    | 97       |
| 75) Fluoranthene            | 12.59 | 202  | 3719916  | 90.056 | ng    | 98       |
| 78) Pyrene                  | 12.82 | 202  | 3605776  | 86.899 | ng    | 97       |
| 81) Benzo(a)anthracene      | 14.00 | 228  | 2011174  | 54.702 | ng    | 95       |
| 83) Chrysene                | 14.04 | 228  | 1819795  | 51.645 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.94 | 276  | 994407   | 32.479 | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.06 | 252  | 2705311m | 56.245 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.08 | 252  | 636842m  | 14.291 | ng    |          |
| 90) Benzo(a)pyrene          | 15.42 | 252  | 1813965  | 43.719 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 16.94 | 278  | 278271   | 7.582  | ng    | # 79     |
| 92) Benzo(g,h,i)perylene    | 17.39 | 276  | 867080   | 24.332 | ng    | 99       |

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

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