

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\  
 Data File : BF118907.D  
 Acq On : 12 Feb 2020 2:18  
 Operator : CG/JU  
 Sample : L1468-05DL 50X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP9-EP1-2.5DL

Manual Integrations  
 APPROVED

mohammad  
 2/12/2020 3:51:38 PM

Quant Time: Feb 12 08:28:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 192407   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.09  | 136  | 767532   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.84  | 164  | 529879   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.33 | 188  | 791753   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.97 | 240  | 627509   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.42 | 264  | 766572   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 21656    | 2.13   | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 23453    | 1.86   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 14932    | 1.16   | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 7533     | 1.19   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 47140    | 1.59   | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.91 | 244  | 49633    | 1.62   | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.12  | 128  | 2268198  | 64.614 | ng    | 100      |
| 37) 2-Methylnaphthalene     | 8.80  | 142  | 421851   | 17.327 | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.90  | 142  | 237294   | 10.361 | ng    | 100      |
| 46) 1,1'-Biphenyl           | 9.26  | 154  | 131502   | 3.588  | ng    | 97       |
| 49) Acenaphthylene          | 9.70  | 152  | 260827   | 5.928  | ng    | 98       |
| 52) Acenaphthene            | 9.87  | 154  | 275678   | 9.509  | ng    | 98       |
| 55) Dibenzofuran            | 10.05 | 168  | 444131   | 10.600 | ng    | 96       |
| 58) Fluorene                | 10.39 | 166  | 575026   | 18.242 | ng    | 100      |
| 71) Phenanthrene            | 11.36 | 178  | 1977876  | 50.773 | ng    | 99       |
| 72) Anthracene              | 11.40 | 178  | 690857   | 17.827 | ng    | 97       |
| 73) Carbazole               | 11.56 | 167  | 259869   | 7.641  | ng    | 95       |
| 75) Fluoranthene            | 12.54 | 202  | 1386923  | 32.609 | ng    | 99       |
| 78) Pyrene                  | 12.77 | 202  | 1164615  | 27.053 | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.96 | 228  | 595593m  | 15.950 | ng    |          |
| 83) Chrysene                | 13.99 | 228  | 490026   | 13.075 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.85 | 276  | 157863   | 4.192  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.00 | 252  | 679009m  | 14.275 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.02 | 252  | 211022m  | 5.094  | ng    |          |
| 90) Benzo(a)pyrene          | 15.36 | 252  | 537787   | 13.211 | ng    | 99       |
| 92) Benzo(a,h,i)perylene    | 17.29 | 276  | 136509   | 3.928  | ng    | 99       |

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

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