

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\  
 Data File : BF118662.D  
 Acq On : 22 Jan 2020 12:36  
 Operator : CG/JU  
 Sample : L1148-16DL 200X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-43-(2-4)DL

Manual Integrations  
 APPROVED

mohammad  
 1/23/2020 7:57:59 AM

Quant Time: Jan 22 13:28:30 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 20 14:45:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 365885   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 1334622  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.92  | 164  | 666804   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.40 | 188  | 985593   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.03 | 240  | 781997   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.51 | 264  | 1066872  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 9035     | 0.46   | ng    | -0.01    |
| 7) Phenol-d6                | 6.49  | 99   | 12655    | 0.49   | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 7264     | 0.30   | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.70 | 330  | 2188     | 0.28   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.23  | 172  | 17441    | 0.43   | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.98 | 244  | 16728    | 0.47   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.18  | 128  | 2338006  | 38.780 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.87  | 142  | 603465   | 14.181 | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.97  | 142  | 455784   | 11.273 | ng    | 99       |
| 46) 1,1'-Biphenyl           | 9.33  | 154  | 221772   | 4.826  | ng    | 95       |
| 49) Acenaphthylene          | 9.77  | 152  | 766785   | 14.071 | ng    | 96       |
| 55) Dibenzofuran            | 10.12 | 168  | 159044   | 3.150  | ng    | 92       |
| 58) Fluorene                | 10.46 | 166  | 529586   | 13.359 | ng    | 99       |
| 71) Phenanthrene            | 11.43 | 178  | 2685899  | 56.487 | ng    | 96       |
| 72) Anthracene              | 11.47 | 178  | 671820   | 14.279 | ng    | 93       |
| 75) Fluoranthene            | 12.61 | 202  | 1295659  | 25.835 | ng    | 97       |
| 78) Pyrene                  | 12.84 | 202  | 1687389  | 31.783 | ng    | 93       |
| 81) Benzo(a)anthracene      | 14.03 | 228  | 647221m  | 13.759 | ng    |          |
| 83) Chrysene                | 14.06 | 228  | 623258   | 13.824 | ng    | 95       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.98 | 276  | 376078   | 9.600  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.08 | 252  | 724812m  | 10.808 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.10 | 252  | 169969m  | 2.736  | ng    |          |
| 90) Benzo(a)pyrene          | 15.44 | 252  | 744168   | 12.864 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 16.99 | 278  | 104906m  | 2.050  | ng    |          |
| 92) Benzo(a,h,i)perylene    | 17.43 | 276  | 430274   | 8.660  | ng    | 98       |

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

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