

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\  
 Data File : BF115830.D  
 Acq On : 27 Jul 2019 14:55  
 Operator : HP/JU  
 Sample : K3626-09DL 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-01-072519-ADL

Manual Integrations  
 APPROVED

mohammad  
 7/29/2019 5:29:52 PM

Quant Time: Jul 29 02:31:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 25 13:16:07 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 140610   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 552635   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.90  | 164  | 275415   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.39 | 188  | 421051   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.03 | 240  | 320948   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.50 | 264  | 439976   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 78341    | 9.11   | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 108574   | 9.95   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 64309    | 6.77   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 21640    | 6.73   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 132009   | 8.39   | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.97 | 244  | 114606   | 6.59   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.17  | 128  | 267870   | 10.009 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.86  | 142  | 75648    | 4.264  | ng    | 97       |
| 38) 1-Methylnaphthalene     | 8.96  | 142  | 48745    | 2.893  | ng    | 99       |
| 52) Acenaphthene            | 9.93  | 154  | 140485   | 8.191  | ng    | 98       |
| 55) Dibenzofuran            | 10.11 | 168  | 168995   | 6.938  | ng    | 98       |
| 58) Fluorene                | 10.45 | 166  | 208345   | 11.965 | ng    | 100      |
| 71) Phenanthrene            | 11.42 | 178  | 1142236  | 52.924 | ng    | 100      |
| 72) Anthracene              | 11.46 | 178  | 397606   | 17.826 | ng    | 99       |
| 73) Carbazole               | 11.62 | 167  | 82643    | 4.225  | ng    | 98       |
| 75) Fluoranthene            | 12.60 | 202  | 1199379  | 52.588 | ng    | 98       |
| 78) Pyrene                  | 12.83 | 202  | 1037364  | 38.150 | ng    | 100      |
| 81) Benzo(a)anthracene      | 14.02 | 228  | 536360   | 25.367 | ng    | 97       |
| 83) Chrysene                | 14.06 | 228  | 459564   | 21.651 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.97 | 276  | 308743   | 17.121 | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.07 | 252  | 608471m  | 21.477 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.10 | 252  | 263088m  | 10.416 | ng    |          |
| 90) Benzo(a)pyrene          | 15.44 | 252  | 515005   | 21.150 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 16.98 | 278  | 78751m   | 3.684  | ng    |          |
| 92) Benzo(a,h,i)perylene    | 17.42 | 276  | 291364   | 13.666 | ng    | 97       |

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

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