

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\  
 Data File : BF114818.D  
 Acq On : 5 Jun 2019 13:58  
 Operator : HP/JU  
 Sample : K3172-03 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-01-005-B

Manual Integrations  
 APPROVED

mohammad  
 6/6/2019 4:49:52 PM

Quant Time: Jun 06 05:23:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 04 16:57:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 435142   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 7.95  | 136  | 1605962  | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.69  | 164  | 738492   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.17 | 188  | 1341380  | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 13.79 | 240  | 813202   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 15.19 | 264  | 654057   | 20.00  | ng    | 0.02      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.26  | 112  | 659547   | 26.48  | ng    | 0.00      |
| 7) Phenol-d6                | 6.30  | 99   | 2208334  | 72.88  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1633956  | 62.63  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.47 | 330  | 34599    | 4.35   | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 2823716  | 71.63  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.76 | 244  | 2839436  | 67.90  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 7.97  | 128  | 388637   | 5.375  | ng    | Qvalue 96 |
| 37) 2-Methylnaphthalene     | 8.66  | 142  | 203782   | 4.064  | ng    | 98        |
| 38) 1-Methylnaphthalene     | 8.76  | 142  | 157577   | 3.313  | ng    | 99        |
| 50) Dimethylphthalate       | 9.42  | 163  | 392832   | 7.283  | ng    | 99        |
| 52) Acenaphthene            | 9.73  | 154  | 132455   | 2.998  | ng    | 98        |
| 55) Dibenzofuran            | 9.90  | 168  | 171174   | 2.786  | ng    | 93        |
| 71) Phenanthrene            | 11.19 | 178  | 1722737  | 26.903 | ng    | 98        |
| 72) Anthracene              | 11.24 | 178  | 430518   | 6.388  | ng    | 95        |
| 73) Carbazole               | 11.39 | 167  | 185582   | 3.212  | ng    | 96        |
| 75) Fluoranthene            | 12.37 | 202  | 1731373  | 25.977 | ng    | 97        |
| 78) Pyrene                  | 12.60 | 202  | 1560421  | 22.119 | ng    | 97        |
| 81) Benzo(a)anthracene      | 13.79 | 228  | 597208   | 9.530  | ng    | 96        |
| 83) Chrysene                | 13.82 | 228  | 636315   | 10.438 | ng    | 95        |
| 86) Indeno(1,2,3-cd)pyrene  | 16.51 | 276  | 207228   | 2.979  | ng    | 95        |
| 88) Benzo(b)fluoranthene    | 14.80 | 252  | 484874m  | 11.645 | ng    |           |
| 89) Benzo(k)fluoranthene    | 14.82 | 252  | 182780m  | 5.169  | ng    |           |
| 90) Benzo(a)pyrene          | 15.13 | 252  | 336468   | 9.336  | ng    | # 80      |
| 92) Benzo(g,h,i)perylene    | 16.90 | 276  | 200197   | 5.833  | ng    | # 87      |

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

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