

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\  
 Data File : BF114817.D  
 Acq On : 5 Jun 2019 13:31  
 Operator : HP/JU  
 Sample : K3172-01 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

mohammad  
 6/6/2019 4:49:50 PM

Quant Time: Jun 06 05:21:14 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   | 6.66  | 152  | 479586   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 1762204  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.69  | 164  | 845617   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.17 | 188  | 1509391  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.79 | 240  | 1024411  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.20 | 264  | 819864   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 736947   | 26.85  | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 2150964  | 64.41  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 1528311  | 53.39  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.47 | 330  | 57687    | 6.33   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.02  | 172  | 2757575  | 61.09  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.75 | 244  | 2678485  | 50.85  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 7.97  | 128  | 588155   | 7.414  | ng    | 95       |
| 37) 2-Methylnaphthalene     | 8.66  | 142  | 268709   | 4.883  | ng    | 97       |
| 38) 1-Methylnaphthalene     | 8.75  | 142  | 207470   | 3.976  | ng    | 98       |
| 50) Dimethylphthalate       | 9.42  | 163  | 444130   | 7.191  | ng    | 98       |
| 52) Acenaphthene            | 9.72  | 154  | 195870   | 3.872  | ng    | 96       |
| 55) Dibenzofuran            | 9.89  | 168  | 243089   | 3.456  | ng    | 95       |
| 71) Phenanthrene            | 11.19 | 178  | 2317990  | 32.169 | ng    | 99       |
| 72) Anthracene              | 11.24 | 178  | 539287   | 7.112  | ng    | 94       |
| 73) Carbazole               | 11.39 | 167  | 306381   | 4.713  | ng    | 97       |
| 75) Fluoranthene            | 12.37 | 202  | 2454700  | 32.731 | ng    | 97       |
| 78) Pyrene                  | 12.60 | 202  | 2225759  | 25.045 | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.78 | 228  | 1057424  | 13.395 | ng    | 98       |
| 83) Chrysene                | 13.82 | 228  | 1057035  | 13.765 | ng    | 95       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.52 | 276  | 330567   | 3.773  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.82 | 252  | 865723m  | 16.587 | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.84 | 252  | 330770m  | 7.463  | ng    |          |
| 90) Benzo(a)pyrene          | 15.14 | 252  | 586918   | 12.992 | ng    | # 91     |
| 91) Dibenzo(a,h)anthracene  | 16.53 | 278  | 98320    | 2.298  | ng    | # 58     |
| 92) Benzo(a,h,i)perylene    | 16.92 | 276  | 314205   | 7.303  | ng    | 93       |

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

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