

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\  
 Data File : BF102783.D  
 Acq On : 6 Feb 2018 14:51  
 Operator : SJ/JU  
 Sample : J1454-16  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8-SAN-10-EW(2-4)

Manual Integrations  
 APPROVED

Sohil  
 2/7/2018 4:16:19 PM

Quant Time: Feb 06 17:02:10 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|---------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 133957   | 20.00   | ng    | 0.01        |
| 21) Naphthalene-d8             | 8.17  | 136  | 689984   | 20.00   | ng    | 0.00        |
| 38) Acenaphthene-d10           | 9.92  | 164  | 292060   | 20.00   | ng    | 0.00        |
| 63) Phenanthrene-d10           | 11.42 | 188  | 415685   | 20.00   | ng    | 0.00        |
| 75) Chrysene-d12               | 14.06 | 240  | 248313   | 20.00   | ng    | 0.01        |
| 86) Perylene-d12               | 15.57 | 264  | 234649   | 20.00   | ng    | 0.04        |
| System Monitoring Compounds    |       |      |          |         |       |             |
| 5) 2-Fluorophenol              | 5.50  | 112  | 1321186  | 149.78  | ng    | 0.01        |
| 7) Phenol-d6                   | 6.52  | 99   | 1459256  | 137.40  | ng    | 0.01        |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 917373   | 92.23   | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 238385   | 101.41  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 9.25  | 172  | 1326910  | 75.39   | ng    | 0.00        |
| 78) Terphenyl-d14              | 13.00 | 244  | 834636   | 79.59   | ng    | 0.00        |
| Target Compounds               |       |      |          |         |       |             |
| 31) Naphthalene                | 8.19  | 128  | 202894   | 6.019   | ng    | Qvalue # 88 |
| 37) 2-Methylnaphthalene        | 8.88  | 142  | 194717   | 8.822   | ng    | 100         |
| 49) Dimethylphthalate          | 9.63  | 163  | 164870   | 7.240   | ng    | # 93        |
| 51) Acenaphthene               | 9.96  | 154  | 241385   | 13.419  | ng    | 99          |
| 53) 2,4-Dinitrophenol          | 9.95  | 184  | 342      | 8.373   | ng    | # 1         |
| 54) Dibenzofuran               | 10.13 | 168  | 190107   | 7.499   | ng    | # 90        |
| 57) Fluorene                   | 10.47 | 166  | 320337   | 17.368  | ng    | 99          |
| 70) Phenanthrene               | 11.45 | 178  | 2259687  | 97.607  | ng    | 99          |
| 71) Anthracene                 | 11.49 | 178  | 569125   | 24.170  | ng    | 99          |
| 72) Carbazole                  | 11.64 | 167  | 337054   | 14.611  | ng    | 97          |
| 73) Di-n-butylphthalate        | 11.97 | 149  | 115699   | 4.129   | ng    | 97          |
| 74) Fluoranthene               | 12.65 | 202  | 2552635  | 109.590 | ng    | 100         |
| 77) Pyrene                     | 12.87 | 202  | 2174415  | 111.671 | ng    | 99          |
| 80) Benzo(a)anthracene         | 14.06 | 228  | 1015080  | 65.000  | ng    | 98          |
| 82) Chrysene                   | 14.09 | 228  | 1067383  | 67.804  | ng    | 97          |
| 83) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 56971    | 4.776   | ng    | # 91        |
| 85) Indeno(1,2,3-cd)pyrene     | 17.08 | 276  | 470383m  | 36.027  | ng    |             |
| 87) Benzo(b)fluoranthene       | 15.13 | 252  | 1142954m | 75.129  | ng    |             |
| 88) Benzo(k)fluoranthene       | 15.15 | 252  | 405796m  | 27.917  | ng    |             |
| 89) Benzo(a)pyrene             | 15.51 | 252  | 732129   | 53.465  | ng    | # 92        |
| 90) Dibenzo(a,h)anthracene     | 17.09 | 278  | 125437   | 11.286  | ng    | # 87        |
| 91) Benzo(g,h,i)perylene       | 17.53 | 276  | 444201   | 40.831  | ng    | 97          |

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

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