

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\  
 Data File : BF103885.D  
 Acq On : 23 Mar 2018 17:27  
 Operator : JU/SJ  
 Sample : J1998-02 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-109(2-3)

Manual Integrations  
 APPROVED

Sohil  
 3/26/2018 4:33:08 PM

Quant Time: Mar 23 18:53:29 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 147226   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 542985   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 209856   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.52 | 188  | 327040   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.17 | 240  | 244341   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.73 | 264  | 189472   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 505961   | 52.27  | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 612225   | 51.70  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 337066   | 43.29  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 104093   | 57.69  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 583391   | 44.34  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 467629   | 44.42  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.28  | 128  | 292538   | 10.665 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.97  | 142  | 131204   | 7.543  | ng    | 98       |
| 45) 1,1'-Biphenyl           | 9.43  | 154  | 39288    | 2.245  | ng    | 96       |
| 48) Acenaphthylene          | 9.88  | 152  | 214641   | 9.959  | ng    | 100      |
| 49) Dimethylphthalate       | 9.72  | 163  | 48939    | 3.057  | ng    | 100      |
| 51) Acenaphthene            | 10.05 | 154  | 128227   | 10.020 | ng    | 99       |
| 54) Dibenzofuran            | 10.22 | 168  | 162755   | 8.905  | ng    | 99       |
| 57) Fluorene                | 10.57 | 166  | 295522   | 20.837 | ng    | 99       |
| 70) Phenanthrene            | 11.54 | 178  | 1655651  | 92.547 | ng    | 99       |
| 71) Anthracene              | 11.59 | 178  | 655750   | 36.090 | ng    | 99       |
| 72) Carbazole               | 11.74 | 167  | 111090   | 6.290  | ng    | 99       |
| 74) Fluoranthene            | 12.74 | 202  | 1830444  | 99.315 | ng    | 98       |
| 77) Pvrene                  | 12.97 | 202  | 1715638  | 95.609 | ng    | 99       |
| 79) Butylbenzylphthalate    | 13.57 | 149  | 22563    | 2.838  | ng    | # 95     |
| 80) Benzo(a)anthracene      | 14.16 | 228  | 886740   | 57.332 | ng    | 93       |
| 82) Chrysene                | 14.20 | 228  | 720736   | 48.884 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pvrene  | 17.32 | 276  | 300110   | 23.308 | ng    | # 93     |
| 87) Benzo(b)fluoranthene    | 15.26 | 252  | 763849m  | 63.812 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.29 | 252  | 202347m  | 17.585 | ng    |          |
| 89) Benzo(a)pvrene          | 15.66 | 252  | 536197   | 49.386 | ng    | # 95     |
| 90) Dibenzo(a,h)anthracene  | 17.33 | 278  | 79181    | 8.422  | ng    | # 81     |
| 91) Benzo(g,h,i)perylene    | 17.81 | 276  | 292143   | 31.942 | ng    | 95       |

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

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