

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\  
 Data File : BF103643.D  
 Acq On : 14 Mar 2018 16:25  
 Operator : SJ/JU  
 Sample : J1754-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-031318-E

Manual Integrations  
 APPROVED

Sohil  
 3/15/2018 6:57:15 PM

Quant Time: Mar 15 09:05:42 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 18:08:29 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 142100   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 612793   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 244962   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.39 | 188  | 340814   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.06 | 240  | 214386   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.57 | 264  | 168716   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 842761m  | 89.70  | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 1103716  | 96.00  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 682532   | 63.61  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 129513   | 62.46  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 856038   | 55.21  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.98 | 244  | 485510   | 54.44  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 37) 2-Methylnaphthalene     | 8.86  | 142  | 53137    | 2.741  | ng    | 98       |
| 48) Acenaphthylene          | 9.76  | 152  | 83883    | 3.357  | ng    | # 95     |
| 57) Fluorene                | 10.45 | 166  | 77878    | 4.571  | ng    | # 91     |
| 70) Phenanthrene            | 11.42 | 178  | 377926   | 20.150 | ng    | 98       |
| 71) Anthracene              | 11.47 | 178  | 110967   | 5.770  | ng    | 97       |
| 73) Di-n-butylphthalate     | 11.94 | 149  | 303151   | 12.649 | ng    | 99       |
| 74) Fluoranthene            | 12.62 | 202  | 339732   | 18.025 | ng    | 99       |
| 77) Pyrene                  | 12.85 | 202  | 427039   | 25.548 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.04 | 228  | 154871   | 11.134 | ng    | # 95     |
| 82) Chrysene                | 14.08 | 228  | 143537   | 10.627 | ng    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene  | 17.13 | 276  | 36985    | 3.459  | ng    | 96       |
| 87) Benzo(b)fluoranthene    | 15.13 | 252  | 104482m  | 9.419  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.15 | 252  | 27407m   | 2.624  | ng    |          |
| 89) Benzo(a)pyrene          | 15.51 | 252  | 82771    | 8.356  | ng    | # 87     |
| 91) Benzo(a,h,i)perylene    | 17.61 | 276  | 39080    | 5.224  | ng    | # 85     |

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

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