

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\  
 Data File : BF104216.D  
 Acq On : 4 Apr 2018 9:20  
 Operator : JU/SJ  
 Sample : J2176-06DL 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB30\_W\_8DL

Manual Integrations  
 APPROVED

Sohil  
 4/4/2018 4:10:22 PM

Quant Time: Apr 04 11:03:16 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 03 15:22:43 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 104345   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 466635   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 224737   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 398165   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 250030   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.69 | 264  | 241646   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 93690m   | 14.32  | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 137977m  | 17.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 79405    | 10.41  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 39939    | 15.96  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 215716   | 15.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.07 | 244  | 199241   | 18.40  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.26  | 128  | 1635701  | 71.752 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.95  | 142  | 421621   | 28.077 | ng    | 100      |
| 45) 1,1'-Biphenyl           | 9.42  | 154  | 92537    | 4.797  | ng    | 98       |
| 48) Acenaphthylene          | 9.86  | 152  | 83571    | 3.626  | ng    | # 95     |
| 51) Acenaphthene            | 10.03 | 154  | 290554   | 21.790 | ng    | 99       |
| 57) Fluorene                | 10.55 | 166  | 210127   | 13.082 | ng    | 97       |
| 70) Phenanthrene            | 11.52 | 178  | 788160   | 36.562 | ng    | 98       |
| 71) Anthracene              | 11.57 | 178  | 331504   | 14.722 | ng    | 97       |
| 74) Fluoranthene            | 12.71 | 202  | 317770   | 13.868 | ng    | 99       |
| 77) Pyrene                  | 12.95 | 202  | 453681   | 25.242 | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.14 | 228  | 137530   | 8.791  | ng    | # 72     |
| 82) Chrysene                | 14.17 | 228  | 101266   | 6.609  | ng    | 95       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.28 | 276  | 77549    | 4.884  | ng    | # 87     |
| 87) Benzo(b)fluoranthene    | 15.23 | 252  | 118148m  | 8.034  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.25 | 252  | 50879m   | 3.673  | ng    |          |
| 89) Benzo(a)pyrene          | 15.62 | 252  | 175276   | 12.861 | ng    | 97       |
| 91) Benzo(a,h,i)perylene    | 17.76 | 276  | 81434    | 6.452  | ng    | 96       |

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

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