

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\  
 Data File : BF083550.D  
 Acq On : 7 Dec 2015 8:48  
 Operator : UM/IZ  
 Sample : G4594-08  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 K209-0-2

Manual Integrations  
 APPROVED

Mmdadoda  
 12/7/2015 6:33:38 PM

Quant Time: Dec 07 10:37:52 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 05 04:12:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.73  | 152  | 147172   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 7.63  | 136  | 533943   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 10.43 | 164  | 230157   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 12.83 | 188  | 325794   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 17.04 | 240  | 282359   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 18.67 | 264  | 224257   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.01  | 112  | 832792   | 85.85 | ng    | -0.02    |
| 7) Phenol-d6                | 5.30  | 99   | 1133782  | 84.83 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 6.56  | 82   | 671512   | 58.79 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 11.72 | 330  | 137031   | 64.54 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.38  | 172  | 892098   | 52.57 | ng    | -0.05    |
| 78) Terphenyl-d14           | 15.47 | 244  | 528591   | 41.66 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 7.66  | 128  | 73022    | 2.57  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.77  | 142  | 58989    | 3.36  | ng    | 96       |
| 48) Acenaphthylene          | 10.20 | 152  | 122074   | 4.84  | ng    | 98       |
| 49) Dimethylphthalate       | 10.06 | 163  | 319033   | 17.61 | ng    | 100      |
| 70) Phenanthrene            | 12.87 | 178  | 90190    | 4.76  | ng    | # 87     |
| 71) Anthracene              | 12.96 | 178  | 46036    | 2.38  | ng    | # 74     |
| 74) Fluoranthene            | 14.81 | 202  | 107545   | 5.72  | ng    | 86       |
| 77) Pyrene                  | 15.16 | 202  | 146419   | 6.93  | ng    | # 92     |
| 80) Benzo(a)anthracene      | 17.03 | 228  | 93703    | 5.67  | ng    | # 78     |
| 82) Chrysene                | 17.07 | 228  | 81625    | 4.96  | ng    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene  | 19.92 | 276  | 69250    | 4.91  | ng    | # 100    |
| 87) Benzo(b)fluoranthene    | 18.29 | 252  | 115173m  | 9.14  | ng    |          |
| 88) Benzo(k)fluoranthene    | 18.32 | 252  | 40344m   | 3.13  | ng    |          |
| 89) Benzo(a)pyrene          | 18.61 | 252  | 82644    | 6.75  | ng    | # 53     |
| 91) Benzo(a,h,i)perylene    | 20.28 | 276  | 96927    | 8.16  | ng    | 99       |

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

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