

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\  
 Data File : BF099705.D  
 Acq On : 20 Oct 2017 17:15  
 Operator : SJ/JU  
 Sample : I5988-01 10X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR251373-78

Manual Integrations  
 APPROVED

Sohil  
 10/23/2017 3:26:18 PM

Quant Time: Oct 22 00:18:33 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 20 13:11:43 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 89175    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.09  | 136  | 345413   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.85  | 164  | 128841   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.33 | 188  | 178671   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.98 | 240  | 155006   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.44 | 264  | 175907   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 5) 2-Fluorophenol        | 5.44  | 112 | 40954 | 7.31 | ng | 0.00  |
| 7) Phenol-d6             | 6.46  | 99  | 50996 | 7.38 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 26970 | 5.01 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 5820  | 5.52 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.16  | 172 | 55140 | 7.14 | ng | -0.01 |
| 78) Terphenyl-d14        | 12.92 | 244 | 32081 | 4.71 | ng | 0.00  |

## Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 51) Acenaphthene           | 9.88  | 154 | 55577   | 6.894  | ng | 96     |
| 54) Dibenzofuran           | 10.05 | 168 | 32269   | 3.006  | ng | # 97   |
| 57) Fluorene               | 10.39 | 166 | 49088   | 5.690  | ng | 100    |
| 70) Phenanthrene           | 11.36 | 178 | 701637  | 73.364 | ng | 99     |
| 71) Anthracene             | 11.41 | 178 | 216013  | 22.075 | ng | 98     |
| 72) Carbazole              | 11.57 | 167 | 23426   | 2.445  | ng | 96     |
| 74) Fluoranthene           | 12.56 | 202 | 899224  | 92.853 | ng | 99     |
| 77) Pyrene                 | 12.79 | 202 | 1009931 | 85.444 | ng | 99     |
| 80) Benzo(a)anthracene     | 13.97 | 228 | 508942  | 54.224 | ng | 98     |
| 82) Chrysene               | 14.01 | 228 | 449172  | 50.266 | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 220333  | 30.824 | ng | 98     |
| 87) Benzo(b)fluoranthene   | 15.02 | 252 | 546689m | 50.547 | ng |        |
| 88) Benzo(k)fluoranthene   | 15.04 | 252 | 142916m | 13.379 | ng |        |
| 89) Benzo(a)pyrene         | 15.39 | 252 | 431060  | 43.419 | ng | 97     |
| 90) Dibenzo(a,h)anthracene | 16.91 | 278 | 63434m  | 7.984  | ng |        |
| 91) Benzo(g,h,i)perylene   | 17.36 | 276 | 218222  | 27.786 | ng | 94     |

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

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