

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\  
 Data File : BF098699.D  
 Acq On : 22 Sep 2017 14:52  
 Operator : SJ/JU  
 Sample : I5310-04 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-01-091917-B

Manual Integrations  
 APPROVED

Sohil  
 9/25/2017 6:21:09 PM

Quant Time: Sep 22 15:26:20 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 11:54:28 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.93  | 152  | 162053   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 624383   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.97  | 164  | 252314   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.46 | 188  | 352080   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.10 | 240  | 307060   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 15.60 | 264  | 323718   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 140483 | 13.16 | ng | 0.00  |
| 7) Phenol-d6             | 6.53  | 99  | 171001 | 13.23 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.48  | 82  | 87350  | 9.49  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 23383m | 10.13 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.28  | 172 | 180871 | 11.41 | ng | 0.00  |
| 78) Terphenyl-d14        | 13.03 | 244 | 129355 | 9.05  | ng | 0.00  |

## Target Compounds

|                            |       |     |          |         |    | Qvalue |
|----------------------------|-------|-----|----------|---------|----|--------|
| 31) Naphthalene            | 8.25  | 128 | 4799475  | 161.955 | ng | 97     |
| 37) 2-Methylnaphthalene    | 8.93  | 142 | 2494847  | 131.114 | ng | 97     |
| 45) 1,1'-Biphenyl          | 9.39  | 154 | 549250   | 25.338  | ng | 98     |
| 48) Acenaphthylene         | 9.83  | 152 | 474723   | 18.988  | ng | # 95   |
| 51) Acenaphthene           | 10.00 | 154 | 982911   | 63.338  | ng | 99     |
| 54) Dibenzofuran           | 10.17 | 168 | 1281578  | 60.480  | ng | 99     |
| 57) Fluorene               | 10.52 | 166 | 1612176  | 94.656  | ng | 100    |
| 70) Phenanthrene           | 11.50 | 178 | 4725949  | 247.439 | ng | 99     |
| 71) Anthracene             | 11.54 | 178 | 1873819  | 96.218  | ng | 99     |
| 72) Carbazole              | 11.68 | 167 | 757277   | 39.795  | ng | 99     |
| 74) Fluoranthene           | 12.69 | 202 | 3636647  | 191.059 | ng | 99     |
| 77) Pyrene                 | 12.92 | 202 | 3572754  | 156.723 | ng | 99     |
| 80) Benzo(a)anthracene     | 14.09 | 228 | 1900719  | 102.766 | ng | 97     |
| 82) Chrysene               | 14.13 | 228 | 1500583  | 84.012  | ng | 99     |
| 85) Indeno(1,2,3-cd)pyrene | 17.12 | 276 | 667170   | 48.151  | ng | 94     |
| 87) Benzo(b)fluoranthene   | 15.16 | 252 | 1728820m | 92.085  | ng |        |
| 88) Benzo(k)fluoranthene   | 15.19 | 252 | 668121m  | 35.612  | ng |        |
| 89) Benzo(a)pyrene         | 15.54 | 252 | 1377155  | 80.772  | ng | 97     |
| 90) Dibenzo(a,h)anthracene | 17.12 | 278 | 158778   | 11.011  | ng | 95     |
| 91) Benzo(a,h,i)perylene   | 17.57 | 276 | 621201   | 42.856  | ng | 97     |

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

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