

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
 Data File : BF093184.D  
 Acq On : 25 Feb 2017 11:12  
 Operator : SJ/MA  
 Sample : I1972-08  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2B21-WESTSW-2

Manual Integrations  
 APPROVED

mohammad  
 2/27/2017 1:08:42 PM

Quant Time: Feb 27 10:21:47 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 153758   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.12  | 136  | 568805   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.88  | 164  | 249179   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 364694   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.02 | 240  | 268719   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 286319   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.42  | 112 | 965305  | 107.71 | ng | -0.02 |
| 7) Phenol-d6                | 6.48  | 99  | 1166111 | 101.12 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 698783  | 68.41  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330 | 168334  | 93.40  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.21  | 172 | 1154928 | 83.97  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.96 | 244 | 675492  | 59.06  | ng | -0.01 |

|                            |       |     |          |        |    |        |
|----------------------------|-------|-----|----------|--------|----|--------|
| Target Compounds           |       |     |          |        |    | Qvalue |
| 10) Phenol                 | 6.49  | 94  | 75808    | 5.62   | ng | # 72   |
| 31) Naphthalene            | 8.14  | 128 | 63099    | 2.19   | ng | 99     |
| 48) Acenaphthylene         | 9.74  | 152 | 169265   | 6.94   | ng | 97     |
| 49) Dimethylphthalate      | 9.60  | 163 | 110632   | 6.59   | ng | 99     |
| 51) Acenaphthene           | 9.90  | 154 | 63684    | 4.37   | ng | 97     |
| 54) Dibenzofuran           | 10.09 | 168 | 87513    | 4.49   | ng | # 88   |
| 57) Fluorene               | 10.42 | 166 | 126986m  | 8.46   | ng |        |
| 70) Phenanthrene           | 11.39 | 178 | 1698620  | 81.30  | ng | 99     |
| 71) Anthracene             | 11.44 | 178 | 484861   | 23.11  | ng | 98     |
| 72) Carbazole              | 11.60 | 167 | 299976   | 14.96  | ng | 98     |
| 74) Fluoranthene           | 12.59 | 202 | 2595516  | 120.43 | ng | 97     |
| 77) Pyrene                 | 12.82 | 202 | 2343453  | 116.53 | ng | 100    |
| 80) Benzo(a)anthracene     | 14.01 | 228 | 1531595  | 93.19  | ng | 96     |
| 82) Chrysene               | 14.04 | 228 | 1263439  | 82.10  | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene | 16.87 | 276 | 615760   | 51.66  | ng | 99     |
| 87) Benzo(b)fluoranthene   | 15.05 | 252 | 1770145m | 93.93  | ng |        |
| 88) Benzo(k)fluoranthene   | 15.07 | 252 | 429216m  | 26.38  | ng |        |
| 89) Benzo(a)pyrene         | 15.39 | 252 | 1065697m | 65.37  | ng |        |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 164111m  | 12.46  | ng |        |
| 91) Benzo(a,h,i)perylene   | 17.29 | 276 | 520692   | 39.12  | ng | # 90   |

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

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