

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\  
 Data File : BF101415.D  
 Acq On : 15 Dec 2017 1:10  
 Operator : SJ/JU  
 Sample : I6827-01 100X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4539-01

Manual Integrations  
 APPROVED

Sohil  
 12/15/2017 6:44:51 PM

12/15/2017 6:44:51 PM

Quant Time: Dec 15 02:47:10 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 15:42:32 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 173243   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 685751   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 313019   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 566881   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 362111   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.46 | 264  | 326300   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |      |      |    |       |
|--------------------------|-------|-----|------|------|----|-------|
| 5) 2-Fluorophenol        | 0.00  | 112 | 0    | 0.00 | ng |       |
| 7) Phenol-d6             | 6.48  | 99  | 999  | 0.07 | ng | 0.02  |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 779  | 0.06 | ng | 0.02  |
| 41) 2,4,6-Tribromophenol | 0.00  | 330 | 0    | 0.00 | ng |       |
| 44) 2-Fluorobiphenyl     | 9.17  | 172 | 2162 | 0.11 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.92 | 244 | 3203 | 0.21 | ng | -0.01 |

## Target Compounds

|                            |       |     |         |         |    | Qvalue |
|----------------------------|-------|-----|---------|---------|----|--------|
| 20) 3+4-Methylphenols      | 7.25  | 107 | 28862   | 2.420   | ng | 93     |
| 31) Naphthalene            | 8.13  | 128 | 3497844 | 101.319 | ng | 98     |
| 37) 2-Methylnaphthalene    | 8.81  | 142 | 628570  | 27.946  | ng | 99     |
| 45) 1,1'-Biphenyl          | 9.27  | 154 | 181189  | 6.527   | ng | 98     |
| 48) Acenaphthylene         | 9.72  | 152 | 831697  | 24.790  | ng | 100    |
| 51) Acenaphthene           | 9.89  | 154 | 145438  | 7.215   | ng | 98     |
| 54) Dibenzofuran           | 10.06 | 168 | 629921  | 24.592  | ng | 99     |
| 57) Fluorene               | 10.40 | 166 | 735616  | 33.948  | ng | 100    |
| 70) Phenanthrene           | 11.37 | 178 | 1958692 | 62.131  | ng | 99     |
| 71) Anthracene             | 11.42 | 178 | 882207  | 27.396  | ng | 99     |
| 72) Carbazole              | 11.58 | 167 | 365423  | 12.120  | ng | 98     |
| 74) Fluoranthene           | 12.56 | 202 | 1408668 | 42.571  | ng | 99     |
| 77) Pvrene                 | 12.79 | 202 | 1089011 | 40.072  | ng | 99     |
| 80) Benzo(a)anthracene     | 13.98 | 228 | 491467  | 20.554  | ng | 97     |
| 82) Chrysene               | 14.02 | 228 | 380640  | 16.860  | ng | 96     |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 136867  | 6.808   | ng | # 91   |
| 87) Benzo(b)fluoranthene   | 15.03 | 252 | 366743m | 18.440  | ng |        |
| 88) Benzo(k)fluoranthene   | 15.06 | 252 | 132576m | 6.856   | ng |        |
| 89) Benzo(a)pvrene         | 15.40 | 252 | 283115  | 15.442  | ng | 97     |
| 90) Dibenzo(a,h)anthracene | 16.94 | 278 | 39179m  | 2.489   | ng |        |
| 91) Benzo(q,h,i)perylene   | 17.39 | 276 | 114423  | 7.341   | ng | 95     |

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

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