

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\  
 Data File : BF085492.D  
 Acq On : 17 Mar 2016 5:44  
 Operator : UM/SJ  
 Sample : H1796-12 50X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB12(11-15)

Manual Integrations  
 APPROVED

Sohil  
 3/17/2016 5:20:28 PM

Quant Time: Mar 17 05:43:45 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 15 18:57:05 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 122242   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.20  | 136  | 474123   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.94  | 164  | 199623   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.43 | 188  | 293732   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.06 | 240  | 216743   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.51 | 264  | 282620   | 20.00 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 5) 2-Fluorophenol           | 5.50  | 112 | 11566 | 1.63 | ng | -0.01 |
| 7) Phenol-d6                | 6.52  | 99  | 15063 | 1.63 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.46  | 82  | 7971  | 0.99 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330 | 1893  | 1.03 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.26  | 172 | 18437 | 1.60 | ng | -0.02 |
| 78) Terphenyl-d14           | 13.01 | 244 | 9670  | 1.01 | ng | -0.02 |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 10) Phenol                 | 6.54  | 94  | 262741  | 25.41  | ng | 85   |
| 17) 2-Methylphenol         | 7.30  | 107 | 153502  | 21.99  | ng | 86   |
| 20) 3+4-Methylphenols      | 7.30  | 107 | 153502  | 20.51  | ng | # 76 |
| 27) 2,4-Dimethylphenol     | 7.84  | 122 | 25007   | 3.25   | ng | 94   |
| 31) Naphthalene            | 8.23  | 128 | 5209599 | 224.87 | ng | 98   |
| 37) 2-Methylnaphthalene    | 8.90  | 142 | 839557  | 57.23  | ng | 99   |
| 45) 1,1'-Biphenyl          | 9.36  | 154 | 260249  | 15.97  | ng | 95   |
| 48) Acenaphthylene         | 9.81  | 152 | 1425048 | 72.15  | ng | 99   |
| 51) Acenaphthene           | 9.97  | 154 | 112174  | 9.03   | ng | 99   |
| 54) Dibenzofuran           | 10.15 | 168 | 908807  | 59.58  | ng | 95   |
| 57) Fluorene               | 10.49 | 166 | 900271  | 74.01  | ng | 100  |
| 70) Phenanthrene           | 11.46 | 178 | 2533810 | 165.62 | ng | 99   |
| 71) Anthracene             | 11.51 | 178 | 1157703 | 74.29  | ng | 99   |
| 72) Carbazole              | 11.66 | 167 | 404148  | 30.65  | ng | 98   |
| 74) Fluoranthene           | 12.64 | 202 | 1413380 | 98.28  | ng | 98   |
| 77) Pyrene                 | 12.87 | 202 | 1182999 | 72.77  | ng | 100  |
| 80) Benzo(a)anthracene     | 14.06 | 228 | 691981  | 55.69  | ng | # 74 |
| 82) Chrysene               | 14.09 | 228 | 533805m | 47.76  | ng |      |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 311697  | 29.42  | ng | 93   |
| 87) Benzo(b)fluoranthene   | 15.10 | 252 | 728683m | 39.48  | ng |      |
| 88) Benzo(k)fluoranthene   | 15.12 | 252 | 238379m | 16.49  | ng |      |
| 89) Benzo(a)pyrene         | 15.45 | 252 | 592064  | 37.13  | ng | # 95 |
| 90) Dibenzo(a,h)anthracene | 16.95 | 278 | 82686m  | 5.31   | ng |      |
| 91) Benzo(g,h,i)perylene   | 17.37 | 276 | 268167  | 16.86  | ng | 98   |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\  
Data File : BF085492.D  
Acq On : 17 Mar 2016 5:44  
Operator : UM/SJ  
Sample : H1796-12 50X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB12(11-15)

Manual Integrations  
APPROVED

Sohil  
3/17/2016 5:20:28 PM

Quant Time: Mar 17 05:43:45 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 15 18:57:05 2016  
Response via : Initial Calibration

