

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\  
 Data File : BF112326.D  
 Acq On : 30 Jan 2019 17:18  
 Operator : JU/SJ  
 Sample : K1282-21  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Manual Integrations  
 APPROVED

mohammad  
 2/1/2019 12:06:26 AM

Quant Time: Jan 31 00:31:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 164806   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 619224   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.87  | 164  | 281058   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 475181   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 351119   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 347945   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 911157   | 117.43 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 1123655  | 104.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 709635   | 66.03  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 290097   | 88.68  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1219336  | 61.36  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 895661   | 48.04  | ng    | -0.01    |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                 | 6.50  | 94   | 28523    | 2.411  | ng    | 82     |
| 31) Naphthalene            | 8.14  | 128  | 162798   | 5.622  | ng    | 96     |
| 37) 2-Methylnaphthalene    | 8.83  | 142  | 62270    | 3.141  | ng    | 98     |
| 38) 1-Methylnaphthalene    | 8.83  | 142  | 62270    | 3.277  | ng    | 96     |
| 49) Acenaphthylene         | 9.73  | 152  | 105666   | 3.784  | ng    | 99     |
| 50) Dimethylphthalate      | 9.59  | 163  | 99175    | 4.542  | ng    | 97     |
| 52) Acenaphthene           | 9.90  | 154  | 73222    | 4.389  | ng    | 98     |
| 55) Dibenzofuran           | 10.08 | 168  | 110395   | 4.330  | ng    | 97     |
| 58) Fluorene               | 10.42 | 166  | 136684   | 7.164  | ng    | 99     |
| 71) Phenanthrene           | 11.39 | 178  | 1367018  | 55.336 | ng    | 99     |
| 72) Anthracene             | 11.43 | 178  | 313968   | 12.759 | ng    | 98     |
| 73) Carbazole              | 11.59 | 167  | 116606   | 4.804  | ng    | 99     |
| 75) Fluoranthene           | 12.58 | 202  | 1442752  | 54.451 | ng    | 99     |
| 78) Pyrene                 | 12.81 | 202  | 1202160  | 49.452 | ng    | 98     |
| 81) Benzo(a)anthracene     | 13.99 | 228  | 626783   | 30.367 | ng    | 98     |
| 83) Chrysene               | 14.03 | 228  | 537078   | 27.259 | ng    | 97     |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276  | 237689   | 15.225 | ng    | # 92   |
| 88) Benzo(b)fluoranthene   | 15.04 | 252  | 655688m  | 31.510 | ng    |        |
| 89) Benzo(k)fluoranthene   | 15.07 | 252  | 214155m  | 10.744 | ng    |        |
| 90) Benzo(a)pyrene         | 15.41 | 252  | 458047   | 24.464 | ng    | 97     |
| 91) Dibenzo(a,h)anthracene | 16.94 | 278  | 64489m   | 4.274  | ng    |        |
| 92) Benzo(g,h,i)perylene   | 17.39 | 276  | 209484   | 14.714 | ng    | 97     |

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

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