

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
 Data File : BF104012.D  
 Acq On : 28 Mar 2018 16:18  
 Operator : JU/SJ  
 Sample : J2048-05 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-032318

Manual Integrations  
 APPROVED

Sohil  
 3/29/2018 5:36:15 PM

Quant Time: Mar 28 17:10:54 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 13:41:47 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 141178   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 557233   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 263500   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 431157   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.16 | 240  | 284577   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.72 | 264  | 283022   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 349913   | 39.53  | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 468297   | 43.00  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 274929   | 30.17  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 114056   | 38.87  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 509372   | 30.48  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 380420   | 30.87  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.27  | 128  | 1830720  | 67.250 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.96  | 142  | 564629   | 31.488 | ng    | 98       |
| 45) 1,1'-Biphenyl           | 9.42  | 154  | 80516    | 3.560  | ng    | 96       |
| 48) Acenaphthylene          | 9.86  | 152  | 91291    | 3.378  | ng    | 97       |
| 57) Fluorene                | 10.55 | 166  | 96649    | 5.132  | ng    | 98       |
| 70) Phenanthrene            | 11.52 | 178  | 396366   | 16.980 | ng    | 98       |
| 71) Anthracene              | 11.57 | 178  | 115403   | 4.733  | ng    | 98       |
| 74) Fluoranthene            | 12.72 | 202  | 218899   | 8.822  | ng    | 97       |
| 77) Pyrene                  | 12.95 | 202  | 337349   | 16.491 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.14 | 228  | 129525   | 7.274  | ng    | 92       |
| 82) Chrysene                | 14.18 | 228  | 128422   | 7.363  | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.30 | 276  | 42689    | 2.362  | ng    | 93       |
| 87) Benzo(b)fluoranthene    | 15.26 | 252  | 100752m  | 5.849  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.29 | 252  | 33802m   | 2.083  | ng    |          |
| 89) Benzo(a)pyrene          | 15.66 | 252  | 111675   | 6.996  | ng    | 97       |
| 91) Benzo(g,h,i)perylene    | 17.79 | 276  | 48386    | 3.273  | ng    | # 94     |

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

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