

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\  
 Data File : BF102003.D  
 Acq On : 11 Jan 2018 2:10  
 Operator : SJ/JU  
 Sample : J1076-18 50X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-42-01

Manual Integrations  
 APPROVED

Sohil  
 1/11/2018 10:53:36 AM

Quant Time: Jan 11 05:15:52 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 15:20:36 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 202957   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 805033   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.76  | 164  | 328265   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 480095   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 335708   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.29 | 264  | 387706   | 20.00 | ng    | 0.00     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 6426 | 0.45 | ng | 0.00  |
| 7) Phenol-d6                | 6.35  | 99  | 8164 | 0.48 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 4495 | 0.33 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 1024 | 0.36 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.08  | 172 | 9603 | 0.46 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.82 | 244 | 6896 | 0.43 | ng | -0.01 |

|                            |       |     |         |        |    |     |
|----------------------------|-------|-----|---------|--------|----|-----|
| Target Compounds           |       |     |         | Qvalue |    |     |
| 31) Naphthalene            | 8.03  | 128 | 443255  | 11.019 | ng | 99  |
| 37) 2-Methylnaphthalene    | 8.72  | 142 | 99485   | 3.757  | ng | 98  |
| 48) Acenaphthylene         | 9.62  | 152 | 135781  | 3.803  | ng | 99  |
| 54) Dibenzofuran           | 9.96  | 168 | 76332   | 2.566  | ng | 100 |
| 57) Fluorene               | 10.30 | 166 | 113409  | 5.515  | ng | 100 |
| 70) Phenanthrene           | 11.27 | 178 | 554358  | 19.767 | ng | 98  |
| 71) Anthracene             | 11.32 | 178 | 157474  | 5.537  | ng | 98  |
| 74) Fluoranthene           | 12.45 | 202 | 517513  | 18.756 | ng | 100 |
| 77) Pyrene                 | 12.68 | 202 | 474628  | 15.994 | ng | 99  |
| 80) Benzo(a)anthracene     | 13.86 | 228 | 233376m | 10.896 | ng |     |
| 82) Chrysene               | 13.90 | 228 | 201183  | 9.008  | ng | 97  |
| 85) Indeno(1,2,3-cd)pyrene | 16.66 | 276 | 137475  | 8.457  | ng | 98  |
| 87) Benzo(b)fluoranthene   | 14.89 | 252 | 271411m | 10.736 | ng |     |
| 88) Benzo(k)fluoranthene   | 14.91 | 252 | 96618m  | 3.962  | ng |     |
| 89) Benzo(a)pyrene         | 15.23 | 252 | 230640  | 10.139 | ng | 98  |
| 91) Benzo(g,h,i)perylene   | 17.07 | 276 | 126091  | 6.895  | ng | 95  |

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

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