

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\  
 Data File : BF095141.D  
 Acq On : 15 May 2017 23:32  
 Operator : SJ/MA  
 Sample : I3140-07 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BERM-2-2

Manual Integrations  
 APPROVED

mohammad  
 5/17/2017 2:20:29 PM

Quant Time: May 16 14:30:52 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.78  | 152  | 74258    | 20.00 | ng    | 0.05     |
| 21) Naphthalene-d8             | 9.80  | 136  | 298895   | 20.00 | ng    | 0.04     |
| 38) Acenaphthene-d10           | 12.62 | 164  | 127507   | 20.00 | ng    | 0.04     |
| 63) Phenanthrene-d10           | 15.03 | 188  | 189346   | 20.00 | ng    | 0.05     |
| 75) Chrysene-d12               | 18.70 | 240  | 164005   | 20.00 | ng    | 0.05     |
| 86) Perylene-d12               | 20.38 | 264  | 157031   | 20.00 | ng    | 0.06     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.80  | 112  | 66986m   | 15.04 | ng    | 0.12     |
| 7) Phenol-d6                   | 7.35  | 99   | 72916    | 13.64 | ng    | 0.08     |
| 23) Nitrobenzene-d5            | 8.70  | 82   | 38485    | 8.12  | ng    | 0.06     |
| 41) 2,4,6-Tribromophenol       | 13.94 | 330  | 11782    | 11.28 | ng    | 0.05     |
| 44) 2-Fluorobiphenyl           | 11.57 | 172  | 90180    | 10.18 | ng    | 0.04     |
| 78) Terphenyl-d14              | 17.35 | 244  | 54541    | 7.32  | ng    | 0.04     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 51) Acenaphthene               | 12.68 | 154  | 25612    | 3.16  | ng    | 96       |
| 57) Fluorene                   | 13.53 | 166  | 26912    | 2.76  | ng    | 99       |
| 70) Phenanthrene               | 15.07 | 178  | 359324   | 33.03 | ng    | 97       |
| 71) Anthracene                 | 15.15 | 178  | 131369   | 11.82 | ng    | 96       |
| 72) Carbazole                  | 15.45 | 167  | 38552    | 3.81  | ng    | # 96     |
| 74) Fluoranthene               | 16.81 | 202  | 814407   | 72.98 | ng    | 98       |
| 77) Pyrene                     | 17.11 | 202  | 741950   | 60.49 | ng    | 97       |
| 80) Benzo(a)anthracene         | 18.69 | 228  | 474493   | 49.71 | ng    | 99       |
| 82) Chrysene                   | 18.74 | 228  | 482712   | 52.30 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.75 | 149  | 21173    | 2.60  | ng    | # 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 21.71 | 276  | 163146   | 21.77 | ng    | 92       |
| 87) Benzo(b)fluoranthene       | 19.97 | 252  | 548020m  | 56.48 | ng    |          |
| 88) Benzo(k)fluoranthene       | 19.99 | 252  | 202770m  | 21.66 | ng    |          |
| 89) Benzo(a)pyrene             | 20.32 | 252  | 364301   | 40.69 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 21.71 | 278  | 37475m   | 5.07  | ng    |          |
| 91) Benzo(g,h,i)perylene       | 22.09 | 276  | 153978   | 21.22 | ng    | 98       |

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

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