

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\  
 Data File : BF095652.D  
 Acq On : 3 Jun 2017 00:54  
 Operator : SJ/MA  
 Sample : I3441-05 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-141-060117

Manual Integrations  
 APPROVED

mohammad  
 6/6/2017 8:49:24 AM

Quant Time: Jun 05 12:15:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 18:51:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 93804    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.57  | 136  | 367765   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.40 | 164  | 146258   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 14.80 | 188  | 209960   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 18.50 | 240  | 173880   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 20.17 | 264  | 123709   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 99811    | 17.74 | ng    | 0.03     |
| 7) Phenol-d6                | 7.12  | 99   | 133891   | 19.83 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 8.46  | 82   | 72376    | 12.41 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 13.70 | 330  | 20218    | 16.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.35 | 172  | 165046   | 16.24 | ng    | 0.00     |
| 78) Terphenyl-d14           | 17.14 | 244  | 96806    | 12.26 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 48) Acenaphthylene          | 12.17 | 152  | 83302    | 5.35  | ng    | 99       |
| 57) Fluorene                | 13.30 | 166  | 33872    | 3.03  | ng    | # 92     |
| 70) Phenanthrene            | 14.84 | 178  | 308429   | 25.57 | ng    | 97       |
| 71) Anthracene              | 14.93 | 178  | 66783    | 5.42  | ng    | 97       |
| 74) Fluoranthene            | 16.60 | 202  | 195782   | 15.82 | ng    | 98       |
| 77) Pyrene                  | 16.90 | 202  | 306471   | 23.57 | ng    | 99       |
| 80) Benzo(a)anthracene      | 18.49 | 228  | 108540m  | 10.73 | ng    |          |
| 82) Chrysene                | 18.53 | 228  | 117666   | 12.03 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 21.43 | 276  | 28165    | 3.54  | ng    | 93       |
| 87) Benzo(b)fluoranthene    | 19.77 | 252  | 71908m   | 9.41  | ng    |          |
| 88) Benzo(k)fluoranthene    | 19.80 | 252  | 25161m   | 3.41  | ng    |          |
| 89) Benzo(a)pyrene          | 20.12 | 252  | 65549    | 9.29  | ng    | # 93     |
| 91) Benzo(a,h,i)perylene    | 21.79 | 276  | 32191    | 5.63  | ng    | # 88     |

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

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