

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\  
 Data File : BF096051.D  
 Acq On : 20 Jun 2017 18:38  
 Operator : SJ/MA  
 Sample : I3693-07 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-01-061417-C

Manual Integrations  
 APPROVED

mohammad  
 6/21/2017 2:16:39 PM

Quant Time: Jun 20 19:09:18 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.29  | 152  | 73925    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.32  | 136  | 278120   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.14 | 164  | 106196   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 14.54 | 188  | 159281   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.27 | 240  | 144207   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 19.94 | 264  | 105946   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.23  | 112 | 76073m | 16.40 | ng | 0.05  |
| 7) Phenol-d6                | 6.91  | 99  | 98023m | 17.65 | ng | 0.04  |
| 23) Nitrobenzene-d5         | 8.23  | 82  | 45933  | 10.26 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 13.46 | 330 | 11650  | 12.40 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 11.10 | 172 | 108141 | 14.17 | ng | 0.00  |
| 78) Terphenyl-d14           | 16.92 | 244 | 69767  | 12.01 | ng | -0.01 |

|                            |       |     |         |       |    |        |
|----------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds           |       |     |         |       |    | Qvalue |
| 48) Acenaphthylene         | 11.92 | 152 | 31098   | 2.66  | ng | 98     |
| 51) Acenaphthene           | 12.20 | 154 | 17097   | 2.53  | ng | 88     |
| 54) Dibenzofuran           | 12.50 | 168 | 21398   | 2.25  | ng | 98     |
| 57) Fluorene               | 13.04 | 166 | 41699   | 5.04  | ng | 92     |
| 70) Phenanthrene           | 14.57 | 178 | 227897  | 24.80 | ng | 96     |
| 71) Anthracene             | 14.67 | 178 | 70275   | 7.32  | ng | 97     |
| 74) Fluoranthene           | 16.36 | 202 | 284137  | 31.24 | ng | 99     |
| 77) Pyrene                 | 16.67 | 202 | 276731  | 25.72 | ng | 97     |
| 80) Benzo(a)anthracene     | 18.26 | 228 | 148422  | 17.70 | ng | 94     |
| 82) Chrysene               | 18.30 | 228 | 132764  | 15.85 | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene | 21.10 | 276 | 58373   | 8.14  | ng | # 91   |
| 87) Benzo(b)fluoranthene   | 19.54 | 252 | 158796m | 23.94 | ng |        |
| 88) Benzo(k)fluoranthene   | 19.57 | 252 | 51107m  | 8.06  | ng |        |
| 89) Benzo(a)pyrene         | 19.89 | 252 | 110651  | 18.15 | ng | 96     |
| 90) Dibenzo(a,h)anthracene | 21.10 | 278 | 23962   | 4.63  | ng | # 87   |
| 91) Benzo(g,h,i)perylene   | 21.43 | 276 | 55483   | 10.52 | ng | 94     |

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

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