

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
 Data File : BF093167.D  
 Acq On : 25 Feb 2017 1:50  
 Operator : SJ/MA  
 Sample : I1954-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-B-01(5-10)

Manual Integrations  
 APPROVED

mohammad  
 2/27/2017 1:07:50 PM

Quant Time: Feb 27 10:18:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 163559   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.12  | 136  | 642357   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.87  | 164  | 271009   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.36 | 188  | 477442   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.01 | 240  | 307671   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.44 | 264  | 325109   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 952188   | 99.88  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 1367572  | 111.49 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 723968   | 62.76  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 240350   | 122.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1173338  | 78.44  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.95 | 244  | 801088   | 61.18  | ng    | -0.02    |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 10) Phenol                 | 6.49  | 94   | 29724    | 2.07  | ng    | # 68   |
| 49) Dimethylphthalate      | 9.60  | 163  | 329366   | 18.04 | ng    | 99     |
| 51) Acenaphthene           | 9.90  | 154  | 44043    | 2.78  | ng    | 94     |
| 57) Fluorene               | 10.42 | 166  | 42251    | 2.59  | ng    | # 98   |
| 70) Phenanthrene           | 11.39 | 178  | 890342   | 32.55 | ng    | 97     |
| 71) Anthracene             | 11.44 | 178  | 189090   | 6.88  | ng    | 98     |
| 74) Fluoranthene           | 12.58 | 202  | 1217527  | 43.15 | ng    | 96     |
| 77) Pyrene                 | 12.81 | 202  | 1332281  | 57.86 | ng    | 99     |
| 80) Benzo(a)anthracene     | 14.00 | 228  | 617704   | 32.83 | ng    | 99     |
| 82) Chrysene               | 14.03 | 228  | 548670   | 31.14 | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 16.84 | 276  | 271601   | 19.90 | ng    | 93     |
| 87) Benzo(b)fluoranthene   | 15.03 | 252  | 579014m  | 27.06 | ng    |        |
| 88) Benzo(k)fluoranthene   | 15.04 | 252  | 243704m  | 13.19 | ng    |        |
| 89) Benzo(a)pyrene         | 15.38 | 252  | 491433   | 26.55 | ng    | 99     |
| 90) Dibenzo(a,h)anthracene | 16.84 | 278  | 79609m   | 5.32  | ng    |        |
| 91) Benzo(g,h,i)perylene   | 17.27 | 276  | 283921   | 18.79 | ng    | # 91   |

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

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