

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022817\  
 Data File : BF093271.D  
 Acq On : 1 Mar 2017 4:06  
 Operator : SJ/MA  
 Sample : I1973-12DL 50X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-B2-BASE-2DL

Manual Integrations  
 APPROVED

mohammad  
 3/1/2017 4:07:33 PM

Quant Time: Mar 01 06:31:49 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   | 6.81  | 152  | 113684   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.10  | 136  | 398265   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 173800   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.33 | 188  | 289810   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 13.97 | 240  | 275693   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12            | 15.40 | 264  | 192661   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 12477    | 1.88  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 16991    | 1.99  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 10801    | 1.51  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 2122     | 1.69  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 21120    | 2.20  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.91 | 244  | 19051    | 1.62  | ng    | -0.06    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 8.11  | 128  | 247879   | 12.28 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.81  | 142  | 85089    | 6.56  | ng    | 98       |
| 51) Acenaphthene            | 9.88  | 154  | 102041   | 10.04 | ng    | 96       |
| 54) Dibenzofuran            | 10.05 | 168  | 162840   | 11.97 | ng    | 92       |
| 57) Fluorene                | 10.40 | 166  | 159723m  | 15.27 | ng    |          |
| 70) Phenanthrene            | 11.36 | 178  | 1280583  | 77.13 | ng    | 99       |
| 71) Anthracene              | 11.41 | 178  | 438883   | 26.32 | ng    | 97       |
| 72) Carbazole               | 11.57 | 167  | 128684   | 8.07  | ng    | 97       |
| 74) Fluoranthene            | 12.55 | 202  | 1230018  | 71.82 | ng    | 97       |
| 77) Pyrene                  | 12.77 | 202  | 994072   | 48.18 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.96 | 228  | 517638   | 30.70 | ng    | 99       |
| 82) Chrysene                | 14.00 | 228  | 341328   | 21.62 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.79 | 276  | 122323   | 10.00 | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 14.99 | 252  | 320388m  | 25.27 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.00 | 252  | 157332m  | 14.37 | ng    |          |
| 89) Benzo(a)pyrene          | 15.35 | 252  | 243502   | 22.20 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 16.79 | 278  | 30390    | 3.43  | ng    | # 78     |
| 91) Benzo(g,h,i)perylene    | 17.21 | 276  | 104791   | 11.70 | ng    | # 86     |

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

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