

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\  
 Data File : BF103895.D  
 Acq On : 23 Mar 2018 22:45  
 Operator : JU/SJ  
 Sample : J1996-02 5X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_SE\_4

Manual Integrations  
 APPROVED

Sohil  
 3/26/2018 4:33:30 PM

Quant Time: Mar 24 02:01:37 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 140394   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 536757   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.02 | 164  | 217903   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.52 | 188  | 333595   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.17 | 240  | 232062   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.72 | 264  | 202795   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.59  | 112  | 216596   | 23.47 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 274658   | 24.32 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 153759   | 19.98 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 38760    | 20.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 275718   | 20.18 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 212437   | 21.25 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 31) Naphthalene            | 8.28  | 128  | 799717   | 29.494  | ng    | 99     |
| 37) 2-Methylnaphthalene    | 8.97  | 142  | 272794   | 15.865  | ng    | 96     |
| 45) 1,1'-Biphenyl          | 9.43  | 154  | 106370   | 5.854   | ng    | 97     |
| 48) Acenaphthylene         | 9.88  | 152  | 624770   | 27.918  | ng    | 100    |
| 51) Acenaphthene           | 10.05 | 154  | 77619    | 5.841   | ng    | 97     |
| 54) Dibenzofuran           | 10.22 | 168  | 418587   | 22.056  | ng    | 100    |
| 57) Fluorene               | 10.57 | 166  | 615696   | 41.809  | ng    | 99     |
| 70) Phenanthrene           | 11.55 | 178  | 2471057  | 135.412 | ng    | 99     |
| 71) Anthracene             | 11.59 | 178  | 858709   | 46.331  | ng    | 99     |
| 72) Carbazole              | 11.74 | 167  | 299739   | 16.639  | ng    | 100    |
| 74) Fluoranthene           | 12.75 | 202  | 2699586  | 143.595 | ng    | 99     |
| 77) Pylene                 | 12.98 | 202  | 2579464  | 151.355 | ng    | 99     |
| 80) Benzo(a)anthracene     | 14.17 | 228  | 1303161m | 88.714  | ng    |        |
| 82) Chrysene               | 14.20 | 228  | 1193023  | 85.199  | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 17.32 | 276  | 552859m  | 45.210  | ng    |        |
| 87) Benzo(b)fluoranthene   | 15.27 | 252  | 1327440m | 103.608 | ng    |        |
| 88) Benzo(k)fluoranthene   | 15.29 | 252  | 364253m  | 29.576  | ng    |        |
| 89) Benzo(a)pyrene         | 15.66 | 252  | 894596   | 76.983  | ng    | 96     |
| 90) Dibenzo(a,h)anthracene | 17.32 | 278  | 132863   | 13.204  | ng    | 94     |
| 91) Benzo(a,h,i)perylene   | 17.80 | 276  | 538529   | 55.013  | ng    | 96     |

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

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