

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\  
 Data File : BF104633.D  
 Acq On : 19 Apr 2018 17:38  
 Operator : JU/SJ  
 Sample : J2157-11  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-041818

Manual Integrations  
 APPROVED

Sohil  
 4/20/2018 3:05:14 PM

Quant Time: Apr 20 01:08:17 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 14:44:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 137861   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 566627   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.84  | 164  | 249130   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.33 | 188  | 406513   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.98 | 240  | 266050   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 245724   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.42  | 112 | 822332  | 91.21 | ng | 0.00  |
| 7) Phenol-d6                | 6.45  | 99  | 1024394 | 92.47 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.37  | 82  | 636679  | 73.37 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330 | 237790  | 92.01 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.16  | 172 | 920889  | 58.39 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.92 | 244 | 688671  | 59.01 | ng | 0.00  |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 10) Phenol                 | 6.45  | 94  | 57455   | 4.888  | ng | 95   |
| 31) Naphthalene            | 8.10  | 128 | 166676  | 5.907  | ng | 99   |
| 37) 2-Methylnaphthalene    | 8.80  | 142 | 215002  | 11.780 | ng | 99   |
| 48) Acenaphthylene         | 9.70  | 152 | 122939  | 4.740  | ng | 97   |
| 49) Dimethylphthalate      | 9.56  | 163 | 171396  | 8.724  | ng | 99   |
| 51) Acenaphthene           | 9.87  | 154 | 73955   | 4.673  | ng | 98   |
| 54) Dibenzofuran           | 10.05 | 168 | 61403   | 2.784  | ng | # 90 |
| 57) Fluorene               | 10.39 | 166 | 192055  | 11.964 | ng | 99   |
| 70) Phenanthrene           | 11.36 | 178 | 883366  | 39.021 | ng | 99   |
| 71) Anthracene             | 11.40 | 178 | 207908  | 9.035  | ng | 99   |
| 74) Fluoranthene           | 12.55 | 202 | 648603  | 27.422 | ng | 98   |
| 77) Pyrene                 | 12.78 | 202 | 875317  | 44.386 | ng | 99   |
| 80) Benzo(a)anthracene     | 13.97 | 228 | 347582m | 21.869 | ng |      |
| 82) Chrysene               | 14.00 | 228 | 372758  | 22.833 | ng | 97   |
| 85) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 114836  | 8.280  | ng | 94   |
| 87) Benzo(b)fluoranthene   | 15.02 | 252 | 286813m | 18.481 | ng |      |
| 88) Benzo(k)fluoranthene   | 15.04 | 252 | 92077m  | 6.284  | ng |      |
| 89) Benzo(a)pyrene         | 15.39 | 252 | 257528  | 18.546 | ng | 96   |
| 90) Dibenzo(a,h)anthracene | 16.90 | 278 | 34464   | 3.022  | ng | # 71 |
| 91) Benzo(a,h,i)perylene   | 17.34 | 276 | 128744  | 11.652 | ng | 96   |

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

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