

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\  
 Data File : BF115962.D  
 Acq On : 2 Aug 2019 22:17  
 Operator : HP/JU  
 Sample : K4124-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-15

Manual Integrations  
 APPROVED

mohammad  
 8/8/2019 4:44:52 PM

Quant Time: Aug 03 03:25:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 121591   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 475440   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 254756   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.38 | 188  | 464938   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.02 | 240  | 339112   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 372321   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.47  | 112 | 754934  | 103.94 | ng | 0.00 |
| 7) Phenol-d6                | 6.49  | 99  | 1002020 | 109.34 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.41  | 82  | 629456  | 76.42  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330 | 268423  | 108.68 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.21  | 172 | 1046514 | 76.94  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.96 | 244 | 1213061 | 75.38  | ng | 0.00 |

|                            |       |     |         |        |    |     |
|----------------------------|-------|-----|---------|--------|----|-----|
| Target Compounds           |       |     |         | Qvalue |    |     |
| 50) Dimethylphthalate      | 9.60  | 163 | 160922  | 9.277  | ng | 99  |
| 52) Acenaphthene           | 9.92  | 154 | 44398   | 3.314  | ng | 98  |
| 55) Dibenzofuran           | 10.10 | 168 | 47055   | 2.415  | ng | 98  |
| 58) Fluorene               | 10.44 | 166 | 60152   | 4.013  | ng | 98  |
| 71) Phenanthrene           | 11.40 | 178 | 987497  | 41.546 | ng | 100 |
| 72) Anthracene             | 11.46 | 178 | 264817  | 11.009 | ng | 99  |
| 73) Carbazole              | 11.61 | 167 | 101283  | 4.641  | ng | 98  |
| 75) Fluoranthene           | 12.60 | 202 | 1067378 | 42.895 | ng | 100 |
| 78) Pyrene                 | 12.83 | 202 | 974314  | 38.115 | ng | 100 |
| 81) Benzo(a)anthracene     | 14.01 | 228 | 364819  | 16.831 | ng | 99  |
| 83) Chrysene               | 14.04 | 228 | 299068  | 14.212 | ng | 98  |
| 86) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 176710  | 9.998  | ng | 97  |
| 88) Benzo(b)fluoranthene   | 15.06 | 252 | 342021m | 15.887 | ng |     |
| 89) Benzo(k)fluoranthene   | 15.09 | 252 | 110097m | 5.251  | ng |     |
| 90) Benzo(a)pyrene         | 15.43 | 252 | 272288  | 14.149 | ng | 97  |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 40075m  | 2.406  | ng |     |
| 92) Benzo(a,h,i)perylene   | 17.41 | 276 | 171290  | 10.470 | ng | 99  |

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

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