

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\  
 Data File : BF116878.D  
 Acq On : 7 Sep 2019 8:10  
 Operator : HP/JU  
 Sample : K4692-08DL 4X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-29-COMPDL

Manual Integrations  
 APPROVED

mohammad  
 9/12/2019 9:25:07 AM

Quant Time: Sep 09 01:04:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 74732    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 305229   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 138640   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.36 | 188  | 201191   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 157659   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.46 | 264  | 138775   | 20.00 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.46  | 112  | 73788    | 16.00 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 141162   | 23.30 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 84767    | 15.85 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 32130    | 34.67 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 206752   | 25.16 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 183005   | 21.47 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 31) Naphthalene            | 8.15  | 128  | 40773    | 2.809  | ng    | 99     |
| 50) Dimethylphthalate      | 9.59  | 163  | 26218    | 2.739  | ng    | 98     |
| 52) Acenaphthene           | 9.91  | 154  | 43980    | 5.683  | ng    | 99     |
| 55) Dibenzofuran           | 10.09 | 168  | 42915    | 3.934  | ng    | 99     |
| 58) Fluorene               | 10.43 | 166  | 49099    | 5.906  | ng    | 97     |
| 71) Phenanthrene           | 11.39 | 178  | 595845   | 53.202 | ng    | 100    |
| 72) Anthracene             | 11.44 | 178  | 175138   | 15.535 | ng    | 98     |
| 73) Carbazole              | 11.59 | 167  | 41139    | 3.831  | ng    | 97     |
| 75) Fluoranthene           | 12.58 | 202  | 825602   | 75.011 | ng    | 99     |
| 78) Pyrene                 | 12.81 | 202  | 771762   | 55.068 | ng    | 99     |
| 81) Benzo(a)anthracene     | 13.99 | 228  | 413087   | 41.399 | ng    | 98     |
| 83) Chrysene               | 14.03 | 228  | 333462m  | 32.438 | ng    |        |
| 86) Indeno(1,2,3-cd)pyrene | 16.92 | 276  | 131406   | 15.914 | ng    | 96     |
| 88) Benzo(b)fluoranthene   | 15.04 | 252  | 396626m  | 47.273 | ng    |        |
| 89) Benzo(k)fluoranthene   | 15.06 | 252  | 103787m  | 13.567 | ng    |        |
| 90) Benzo(a)pyrene         | 15.40 | 252  | 261551   | 35.831 | ng    | 98     |
| 91) Dibenzo(a,h)anthracene | 16.92 | 278  | 32116    | 5.027  | ng    | # 84   |
| 92) Benzo(g,h,i)perylene   | 17.36 | 276  | 116543   | 17.885 | ng    | 97     |

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

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