

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\  
 Data File : BF118852.D  
 Acq On : 7 Feb 2020 15:59  
 Operator : CG/JU  
 Sample : L1439-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HAM-SB-01-0-5

Manual Integrations  
 APPROVED

mohammad  
 2/11/2020 8:26:39 AM

Quant Time: Feb 08 04:13:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 224711   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 809496   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.85  | 164  | 471316   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 860075   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 645228   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.42 | 264  | 736997   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 1099472 | 92.62 | ng | 0.00  |
| 7) Phenol-d6             | 6.45  | 99  | 1316730 | 89.35 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 862594  | 63.51 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 485680  | 86.12 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.17  | 172 | 1645700 | 62.42 | ng | -0.01 |
| 79) Terphenyl-d14        | 12.92 | 244 | 1757424 | 55.95 | ng | -0.01 |

## Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 31) Naphthalene            | 8.12  | 128 | 83191   | 2.247  | ng | 97     |
| 50) Dimethylphthalate      | 9.56  | 163 | 85068   | 2.651  | ng | 99     |
| 52) Acenaphthene           | 9.88  | 154 | 101942  | 3.953  | ng | 98     |
| 55) Dibenzofuran           | 10.05 | 168 | 110983  | 2.978  | ng | 94     |
| 58) Fluorene               | 10.39 | 166 | 138736  | 4.948  | ng | 99     |
| 71) Phenanthrene           | 11.36 | 178 | 1438790 | 34.000 | ng | 98     |
| 72) Anthracene             | 11.41 | 178 | 409441  | 9.726  | ng | 96     |
| 73) Carbazole              | 11.56 | 167 | 136942  | 3.707  | ng | 96     |
| 75) Fluoranthene           | 12.54 | 202 | 1444620 | 31.267 | ng | 99     |
| 78) Pyrene                 | 12.77 | 202 | 1286672 | 29.068 | ng | 98     |
| 81) Benzo(a)anthracene     | 13.96 | 228 | 625503  | 16.291 | ng | 99     |
| 83) Chrysene               | 14.00 | 228 | 569677  | 14.783 | ng | 96     |
| 86) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 302082  | 7.802  | ng | 93     |
| 88) Benzo(b)fluoranthene   | 15.00 | 252 | 692876m | 15.151 | ng |        |
| 89) Benzo(k)fluoranthene   | 15.03 | 252 | 266647m | 6.696  | ng |        |
| 90) Benzo(a)pyrene         | 15.36 | 252 | 536811  | 13.716 | ng | 97     |
| 91) Dibenzo(a,h)anthracene | 16.86 | 278 | 75559m  | 2.175  | ng |        |
| 92) Benzo(g,h,i)perylene   | 17.29 | 276 | 272404  | 8.152  | ng | 98     |

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

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