

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\  
 Data File : BF104096.D  
 Acq On : 30 Mar 2018 16:54  
 Operator : JU/SJ  
 Sample : J2139-11 80X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAD-2

Manual Integrations  
 APPROVED

Sohil  
 4/2/2018 5:05:37 PM

Quant Time: Mar 30 17:52:23 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 30 17:20:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 93198    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 429726   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.99  | 164  | 209274   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.49 | 188  | 389613   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.14 | 240  | 339483   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.68 | 264  | 281456   | 20.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 5) 2-Fluorophenol           | 5.72  | 112 | 217   | 0.04 | ng | 0.14 |
| 7) Phenol-d6                | 6.62  | 99  | 5744m | 0.80 | ng | 0.02 |
| 23) Nitrobenzene-d5         | 7.55  | 82  | 2059  | 0.29 | ng | 0.02 |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330 | 1865  | 0.80 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.31  | 172 | 7466  | 0.56 | ng | 0.00 |
| 78) Terphenyl-d14           | 13.07 | 244 | 10535 | 0.72 | ng | 0.00 |

|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 10) Phenol                 | 6.64  | 94  | 49082m  | 6.161  | ng |      |
| 31) Naphthalene            | 8.26  | 128 | 1569372 | 74.755 | ng | 100  |
| 37) 2-Methylnaphthalene    | 8.95  | 142 | 180437  | 13.048 | ng | 99   |
| 45) 1,1'-Biphenyl          | 9.42  | 154 | 46618   | 2.595  | ng | 98   |
| 48) Acenaphthylene         | 9.86  | 152 | 232091  | 10.813 | ng | 99   |
| 51) Acenaphthene           | 10.03 | 154 | 40357   | 3.250  | ng | 98   |
| 54) Dibenzofuran           | 10.20 | 168 | 179140  | 9.880  | ng | 100  |
| 57) Fluorene               | 10.55 | 166 | 219448  | 14.672 | ng | 100  |
| 70) Phenanthrene           | 11.52 | 178 | 782407  | 37.091 | ng | 99   |
| 71) Anthracene             | 11.57 | 178 | 308814  | 14.016 | ng | 99   |
| 72) Carbazole              | 11.73 | 167 | 102026  | 4.852  | ng | 97   |
| 74) Fluoranthene           | 12.71 | 202 | 595186  | 26.545 | ng | 96   |
| 77) Pvrene                 | 12.94 | 202 | 481720  | 19.739 | ng | 99   |
| 80) Benzo(a)anthracene     | 14.13 | 228 | 237778  | 11.194 | ng | 93   |
| 82) Chrysene               | 14.17 | 228 | 168357  | 8.092  | ng | 97   |
| 85) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 55656   | 2.581  | ng | # 89 |
| 87) Benzo(b)fluoranthene   | 15.22 | 252 | 158481m | 9.252  | ng |      |
| 88) Benzo(k)fluoranthene   | 15.24 | 252 | 82322m  | 5.102  | ng |      |
| 89) Benzo(a)pvrene         | 15.61 | 252 | 136907  | 8.625  | ng | 96   |
| 91) Benzo(a,h,i)perylene   | 17.73 | 276 | 47739   | 3.248  | ng | 95   |

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

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