

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060915\  
 Data File : BG017595.D  
 Acq On : 10 Jun 2015 5:35  
 Operator : TP/IZ  
 Sample : G2450-05DL 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SEC-3.4-SPDL

Manual Integrations  
 APPROVED

apatel  
 6/10/2015 5:43:15 PM

Quant Time: Jun 10 07:07:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 10 05:08:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 17178    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.37 | 136  | 71568    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.25 | 164  | 45390    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.00 | 188  | 95765    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 115631   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 119742   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.17  | 112 | 64134  | 65.78 | ng | 0.00 |
| 7) Phenol-d6             | 6.78  | 99  | 81804  | 61.58 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.74  | 82  | 62406  | 43.53 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.75 | 330 | 37882  | 60.09 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.86 | 172 | 132796 | 44.13 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.64 | 244 | 212465 | 37.98 | ng | 0.00 |

## Target Compounds

|                            |       |     |         |       |    | Qvalue |
|----------------------------|-------|-----|---------|-------|----|--------|
| 31) Naphthalene            | 10.41 | 128 | 14514   | 3.88  | ng | 97     |
| 48) Acenaphthylene         | 13.97 | 152 | 12617   | 2.58  | ng | # 89   |
| 49) Dimethylphthalate      | 13.70 | 163 | 10413   | 2.64  | ng | # 95   |
| 70) Phenanthrene           | 17.04 | 178 | 83491   | 15.64 | ng | 96     |
| 71) Anthracene             | 17.13 | 178 | 29483   | 5.53  | ng | 98     |
| 72) Carbazole              | 17.41 | 167 | 16525   | 3.14  | ng | 97     |
| 74) Fluoranthene           | 19.07 | 202 | 395333  | 56.62 | ng | 99     |
| 77) Pyrene                 | 19.43 | 202 | 346337  | 48.62 | ng | 99     |
| 80) Benzo(a)anthracene     | 21.18 | 228 | 191147  | 26.88 | ng | 98     |
| 82) Chrysene               | 21.24 | 228 | 210737m | 32.72 | ng |        |
| 85) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 94133   | 11.64 | ng | # 90   |
| 87) Benzo(b)fluoranthene   | 22.75 | 252 | 276903  | 36.49 | ng | 96     |
| 88) Benzo(k)fluoranthene   | 22.79 | 252 | 85065m  | 11.71 | ng |        |
| 89) Benzo(a)pyrene         | 23.32 | 252 | 149547  | 21.49 | ng | 98     |
| 90) Dibenzo(a,h)anthracene | 25.68 | 278 | 27034   | 3.74  | ng | 95     |
| 91) Benzo(g,h,i)perylene   | 26.35 | 276 | 77919   | 11.32 | ng | # 93   |

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

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