

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\  
 Data File : BF098982.D  
 Acq On : 1 Oct 2017 00:17  
 Operator : SJ/JU  
 Sample : I5563-08 50X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-PH4-SB-ESMI-8

Manual Integrations  
 APPROVED

Sohil  
 10/2/2017 5:44:53 PM

Quant Time: Oct 01 01:46:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.92  | 152  | 109448   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.20  | 136  | 409629   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.96  | 164  | 154445   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.45 | 188  | 240073   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.09 | 240  | 203707   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.58 | 264  | 145144   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 17758 | 2.58 | ng | -0.01 |
| 7) Phenol-d6             | 6.53  | 99  | 22565 | 2.66 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.47  | 82  | 12726 | 1.99 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 2581  | 2.04 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.27  | 172 | 23304 | 2.52 | ng | -0.01 |
| 78) Terphenyl-d14        | 13.02 | 244 | 18032 | 2.01 | ng | -0.01 |

## Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 31) Naphthalene            | 8.22  | 128 | 1226990 | 63.777 | ng | 99     |
| 37) 2-Methylnaphthalene    | 8.91  | 142 | 472538  | 37.783 | ng | 99     |
| 45) 1,1'-Biphenyl          | 9.37  | 154 | 103277  | 7.781  | ng | 99     |
| 48) Acenaphthylene         | 9.82  | 152 | 84241   | 5.522  | ng | # 96   |
| 51) Acenaphthene           | 9.99  | 154 | 338220  | 34.997 | ng | 99     |
| 54) Dibenzofuran           | 10.16 | 168 | 328816  | 25.554 | ng | 97     |
| 57) Fluorene               | 10.50 | 166 | 373702  | 36.133 | ng | 99     |
| 70) Phenanthrene           | 11.47 | 178 | 1217852 | 94.771 | ng | 99     |
| 71) Anthracene             | 11.52 | 178 | 579262  | 44.056 | ng | 99     |
| 72) Carbazole              | 11.67 | 167 | 110670  | 8.595  | ng | 99     |
| 74) Fluoranthene           | 12.66 | 202 | 877842  | 67.461 | ng | 97     |
| 77) Pylene                 | 12.89 | 202 | 729785  | 46.982 | ng | 99     |
| 80) Benzo(a)anthracene     | 14.07 | 228 | 358143m | 29.035 | ng |        |
| 82) Chrysene               | 14.11 | 228 | 267525  | 22.781 | ng | 97     |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 68450   | 7.287  | ng | 96     |
| 87) Benzo(b)fluoranthene   | 15.14 | 252 | 229982m | 25.771 | ng |        |
| 88) Benzo(k)fluoranthene   | 15.16 | 252 | 75456m  | 8.561  | ng |        |
| 89) Benzo(a)pyrene         | 15.52 | 252 | 166267  | 20.297 | ng | # 94   |
| 90) Dibenzo(a,h)anthracene | 17.09 | 278 | 19443   | 2.966  | ng | # 77   |
| 91) Benzo(a,h,i)perylene   | 17.54 | 276 | 58411   | 9.014  | ng | 93     |

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

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