

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\  
 Data File : BF116851.D  
 Acq On : 5 Sep 2019 21:08  
 Operator : HP/JU  
 Sample : K4692-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-27-COMP

Manual Integrations  
 APPROVED

mohammad  
 9/10/2019 9:55:33 AM

Quant Time: Sep 06 05:44:02 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  | 64322    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 259229   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 130844   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.36 | 188  | 201573   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 146476   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.46 | 264  | 110766   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 525796 | 132.43 | ng | 0.00 |
| 7) Phenol-d6             | 6.49  | 99  | 723881 | 138.85 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 447120 | 98.46  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 140649 | 160.79 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 704337 | 90.81  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.95 | 244 | 574421 | 72.55  | ng | 0.00 |

## Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 10) Phenol                 | 6.50  | 94  | 23679   | 4.102  | ng | 91     |
| 31) Naphthalene            | 8.15  | 128 | 32250   | 2.616  | ng | 99     |
| 37) 2-Methylnaphthalene    | 8.84  | 142 | 17948   | 2.188  | ng | 95     |
| 50) Dimethylphthalate      | 9.59  | 163 | 116475  | 12.894 | ng | 97     |
| 52) Acenaphthene           | 9.91  | 154 | 25230   | 3.454  | ng | 97     |
| 58) Fluorene               | 10.43 | 166 | 36680   | 4.675  | ng | 99     |
| 71) Phenanthrene           | 11.39 | 178 | 299253  | 26.669 | ng | 99     |
| 72) Anthracene             | 11.44 | 178 | 58334   | 5.164  | ng | 97     |
| 75) Fluoranthene           | 12.58 | 202 | 277629  | 25.176 | ng | 99     |
| 78) Pyrene                 | 12.81 | 202 | 280865  | 21.571 | ng | 100    |
| 81) Benzo(a)anthracene     | 13.99 | 228 | 111091  | 11.983 | ng | 98     |
| 83) Chrysene               | 14.03 | 228 | 117781m | 12.332 | ng |        |
| 86) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 35400   | 4.615  | ng | 94     |
| 88) Benzo(b)fluoranthene   | 15.04 | 252 | 101864m | 15.211 | ng |        |
| 89) Benzo(k)fluoranthene   | 15.06 | 252 | 21676m  | 3.550  | ng |        |
| 90) Benzo(a)pyrene         | 15.40 | 252 | 65595   | 11.259 | ng | 98     |
| 92) Benzo(a,h,i)perylene   | 17.36 | 276 | 36068   | 6.935  | ng | 94     |

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

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