

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\  
 Data File : BP000552.D  
 Acq On : 07 Oct 2019 18:56  
 Operator : JU  
 Sample : K5213-05 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S-3(0-5)

Manual Integrations  
 APPROVED

mohammad  
 10/8/2019 12:23:59 PM

Quant Time: Oct 08 10:40:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 01 18:03:42 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 263951   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 928100   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.82  | 164  | 350481   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 652013   | 20.00 | ng    | 0.02     |
| 76) Chrysene-d12          | 14.01 | 240  | 598075   | 20.00 | ng    | 0.03     |
| 87) Perylene-d12          | 15.51 | 264  | 782718   | 20.00 | ng    | 0.05     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 585542 | 35.66 | ng | -0.01 |
| 7) Phenol-d6             | 6.40  | 99  | 782528 | 39.55 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.32  | 82  | 438578 | 28.86 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 168261 | 45.05 | ng | 0.01  |
| 45) 2-Fluorobiphenyl     | 9.13  | 172 | 703939 | 32.50 | ng | 0.00  |
| 79) Terphenyl-d14        | 12.93 | 244 | 643230 | 21.78 | ng | 0.02  |

## Target Compounds

|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 31) Naphthalene            | 8.07  | 128 | 242144  | 5.586  | ng | # 91   |
| 37) 2-Methylnaphthalene    | 8.77  | 142 | 810604  | 27.858 | ng | 99     |
| 38) 1-Methylnaphthalene    | 8.87  | 142 | 988988m | 35.971 | ng |        |
| 49) Acenaphthylene         | 9.68  | 152 | 183486  | 5.945  | ng | # 1    |
| 52) Acenaphthene           | 9.86  | 154 | 143424  | 7.661  | ng | # 81   |
| 55) Dibenzofuran           | 10.03 | 168 | 125584  | 4.487  | ng | # 1    |
| 58) Fluorene               | 10.37 | 166 | 295220  | 14.801 | ng | # 80   |
| 71) Phenanthrene           | 11.35 | 178 | 1069863 | 32.672 | ng | # 92   |
| 72) Anthracene             | 11.40 | 178 | 290398  | 8.944  | ng | # 74   |
| 74) Di-n-butylphthalate    | 11.89 | 149 | 111316  | 3.036  | ng | # 42   |
| 75) Fluoranthene           | 12.56 | 202 | 408163  | 11.098 | ng | 88     |
| 78) Pylene                 | 12.79 | 202 | 1190226 | 28.855 | ng | 96     |
| 81) Benzo(a)anthracene     | 13.99 | 228 | 347977  | 9.536  | ng | # 22   |
| 83) Chrysene               | 14.03 | 228 | 476301  | 13.299 | ng | # 46   |
| 86) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 206595  | 4.618  | ng | 97     |
| 88) Benzo(b)fluoranthene   | 15.07 | 252 | 356297m | 8.024  | ng |        |
| 90) Benzo(a)pyrene         | 15.44 | 252 | 367903  | 8.888  | ng | # 65   |
| 91) Dibenzo(a,h)anthracene | 17.00 | 278 | 92323   | 2.300  | ng | # 2    |
| 92) Benzo(a,h,i)perylene   | 17.45 | 276 | 376555  | 9.230  | ng | # 89   |

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

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