

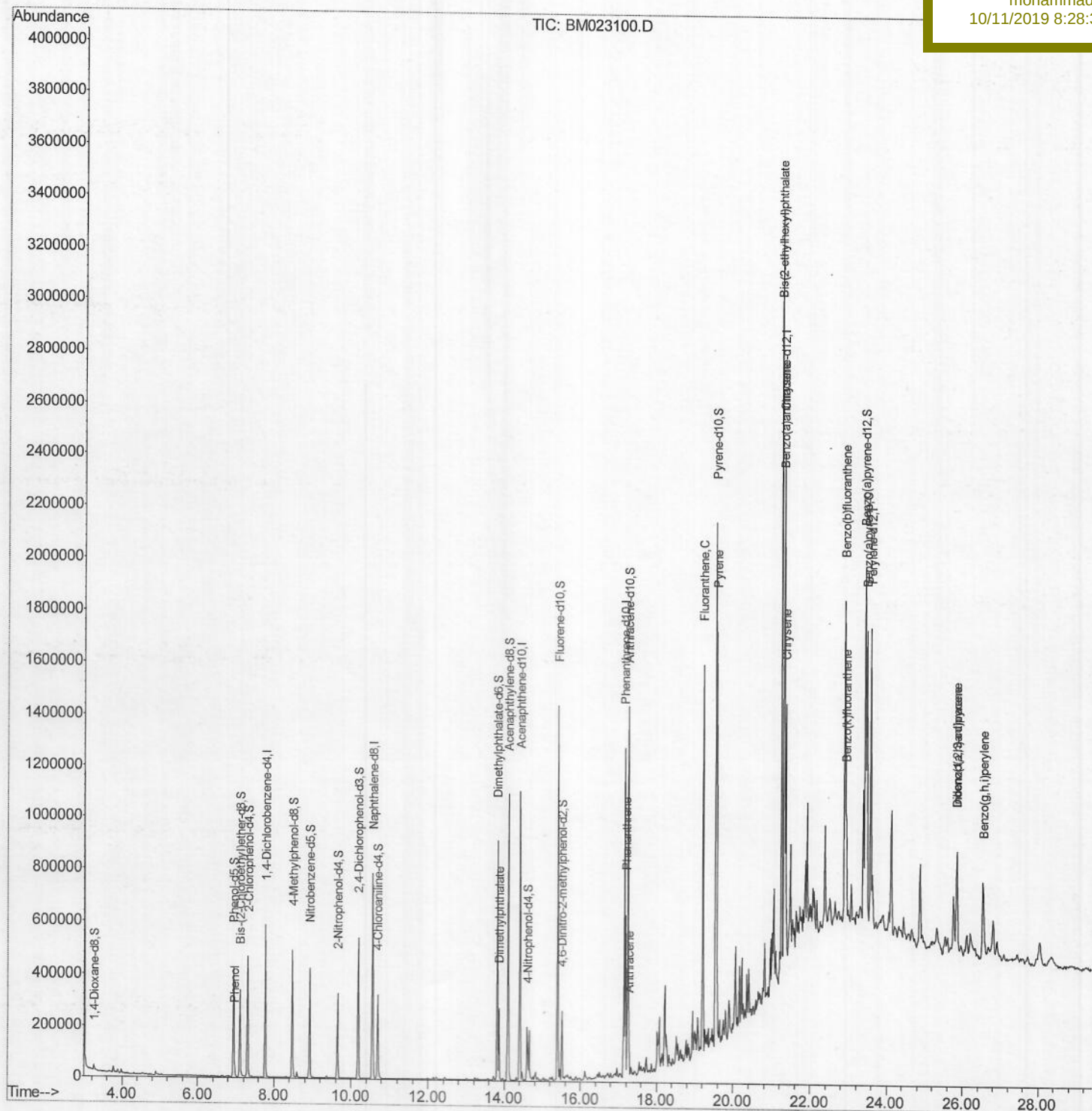
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\  
Data File : BM023100.D  
Acq On : 10 Oct 2019 02:19  
Operator : JU  
Sample : K5177-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 04:07:21 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 08 15:02:34 2019  
Response via : Initial Calibration

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
BEP94

## Manual Integrations APPROVED

mohammad  
10/11/2019 8:28:38 AM



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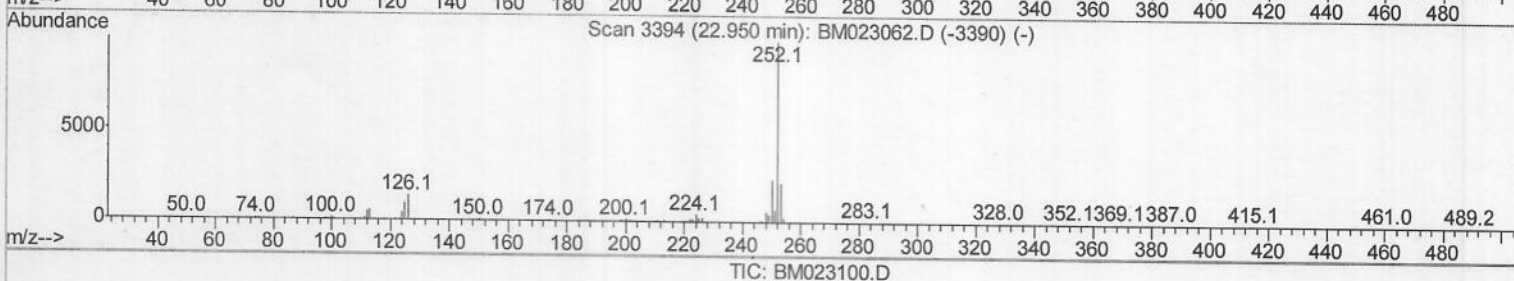
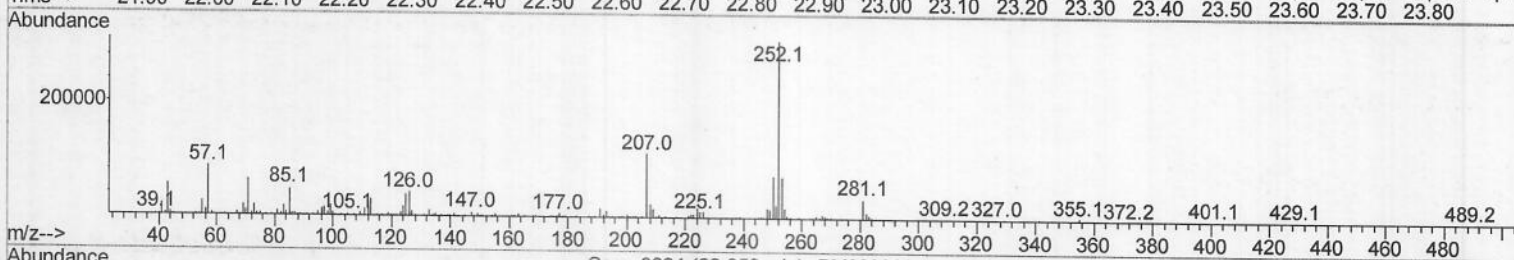
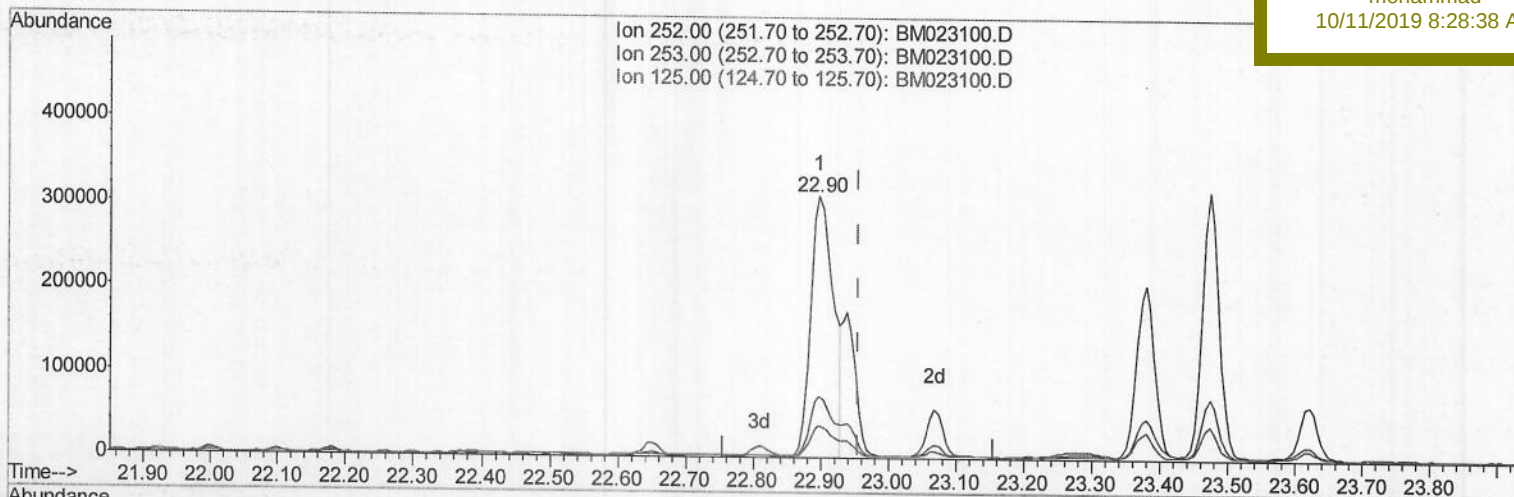
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(89) Benzo(k)fluoranthene

22.897min (-0.059) 13.57ng/ul

response 710748

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.90 | 23.13  |
| 125.00 | 9.90  | 12.10# |
| 0.00   | 0.00  | 0.00   |

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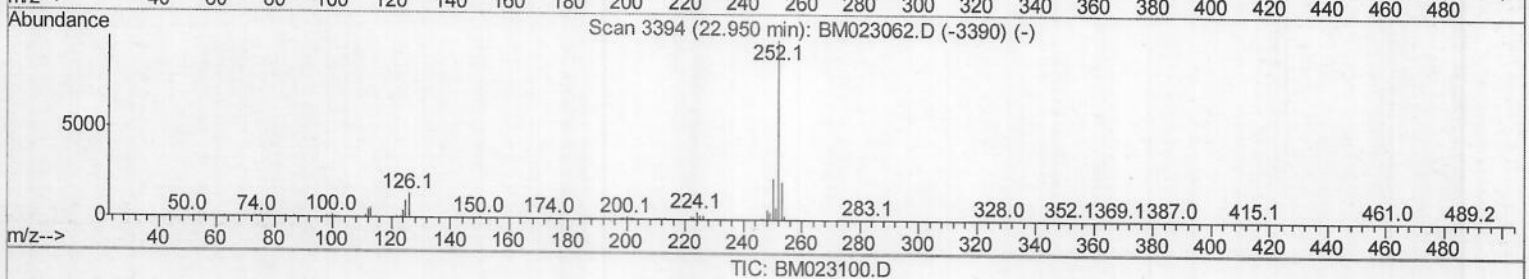
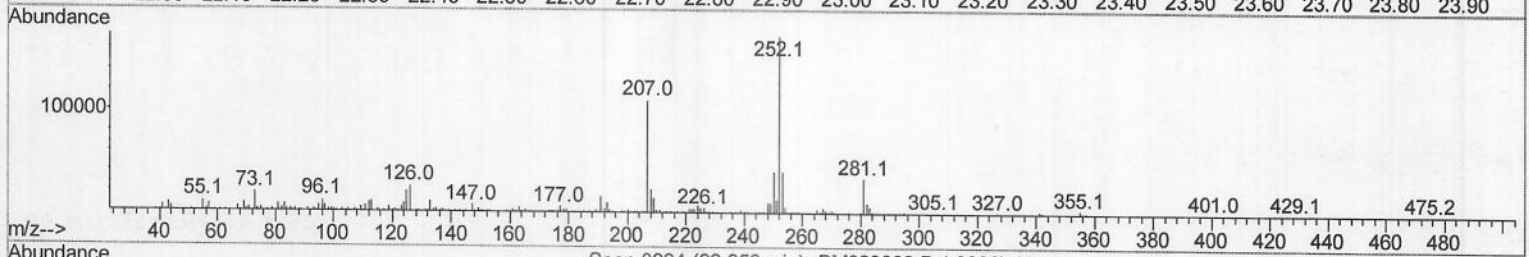
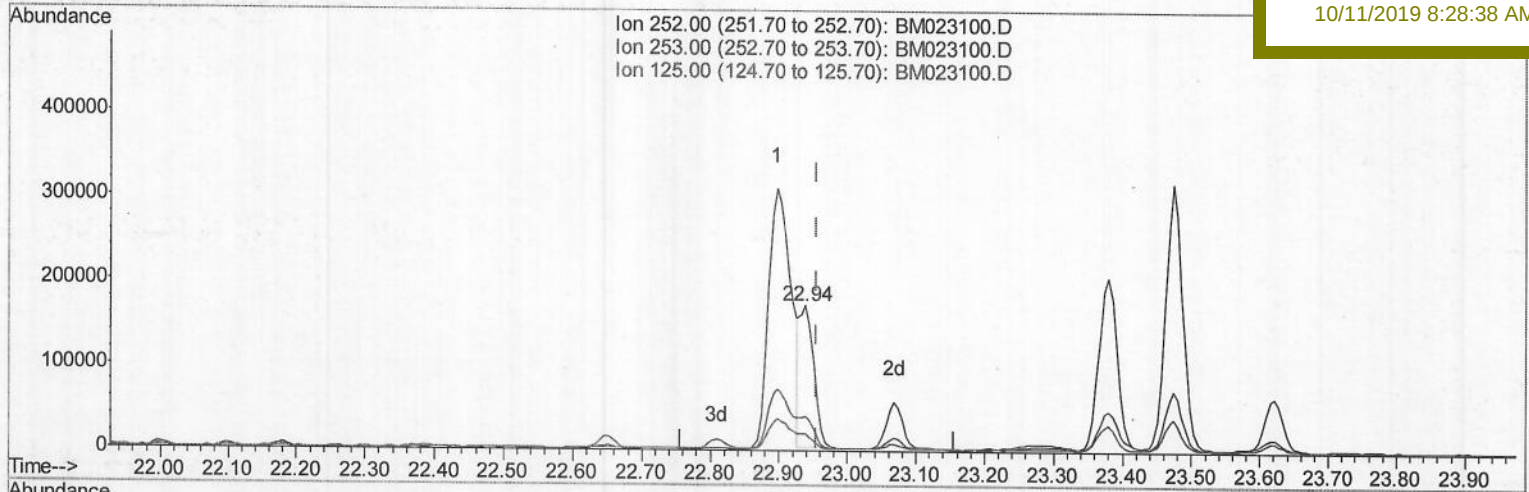
BEP94

Manual Integrations

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10/11/2019 8:28:38 AM



(89) Benzo(k)fluoranthene

22.939min (-0.018) 4.38ng/ul m

response 229422

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.90 | 23.42 |
| 125.00 | 9.90  | 11.52 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\  
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 Acq On : 10 Oct 2019 02:19  
 Operator : JU  
 Sample : K5177-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 04:07:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 15:02:34 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 Client Sample ID :  
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Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 157447   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.56 | 136  | 648762   | 20.00 | ng/ul | 0.00      |
| 36) Acenaphthene-d10      | 14.40 | 164  | 361363   | 20.00 | ng/ul | -0.01     |
| 62) Phenanthrene-d10      | 17.14 | 188  | 702070   | 20.00 | ng/ul | 0.00      |
| 78) Chrysene-d12          | 21.33 | 240  | 694070   | 20.00 | ng/ul | 0.00      |
| 86) Perylene-d12          | 23.57 | 264  | 824755   | 20.00 | ng/ul | -0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 13517   | 3.71  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.93  | 99  | 245969  | 17.68 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.10  | 67  | 155118  | 20.37 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 217857  | 19.45 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 187979  | 16.50 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 103176  | 20.61 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 108019  | 19.76 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 205476  | 18.88 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 193620  | 14.64 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.82 | 166 | 609785  | 21.74 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.10 | 160 | 722256  | 22.31 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.60 | 143 | 53569   | 9.67  | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.40 | 176 | 536713  | 22.45 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 56054   | 12.27 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.24 | 188 | 796092  | 23.22 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.54 | 212 | 918020  | 24.58 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.43 | 264 | 1037620 | 24.32 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.96  | 94  | 37180   | 2.549  | ng/ul 97  |
| 45) Dimethylphthalate          | 13.86 | 163 | 181345  | 6.295  | ng/ul 99  |
| 70) Phenanthrene               | 17.19 | 178 | 360244  | 8.598  | ng/ul 99  |
| 72) Anthracene                 | 17.27 | 178 | 84249   | 1.973  | ng/ul 99  |
| 77) Fluoranthene               | 19.20 | 202 | 875339  | 18.575 | ng/ul 99  |
| 80) Pyrene                     | 19.56 | 202 | 946414  | 19.236 | ng/ul 96  |
| 83) Benzo(a)anthracene         | 21.31 | 228 | 543767  | 10.912 | ng/ul 99  |
| 84) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 991446  | 34.484 | ng/ul 99  |
| 85) Chrysene                   | 21.36 | 228 | 594401  | 12.938 | ng/ul 99  |
| 88) Benzo(b)fluoranthene       | 22.90 | 252 | 710748  | 12.986 | ng/ul 97  |
| 89) Benzo(k)fluoranthene       | 22.94 | 252 | 229422m | 4.381  | ng/ul     |
| 91) Benzo(a)pyrene             | 23.47 | 252 | 544650  | 10.607 | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene     | 25.84 | 276 | 347870  | 6.378  | ng/ul 95  |
| 93) Dibenzo(a,h)anthracene     | 25.84 | 278 | 97632   | 2.140  | ng/ul# 81 |
| 94) Benzo(a,h,i)perylene       | 26.54 | 276 | 330589  | 7.513  | ng/ul 100 |

3 JU  
 10/11/2019

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