

# Quantitation Report (QT Reviewed)

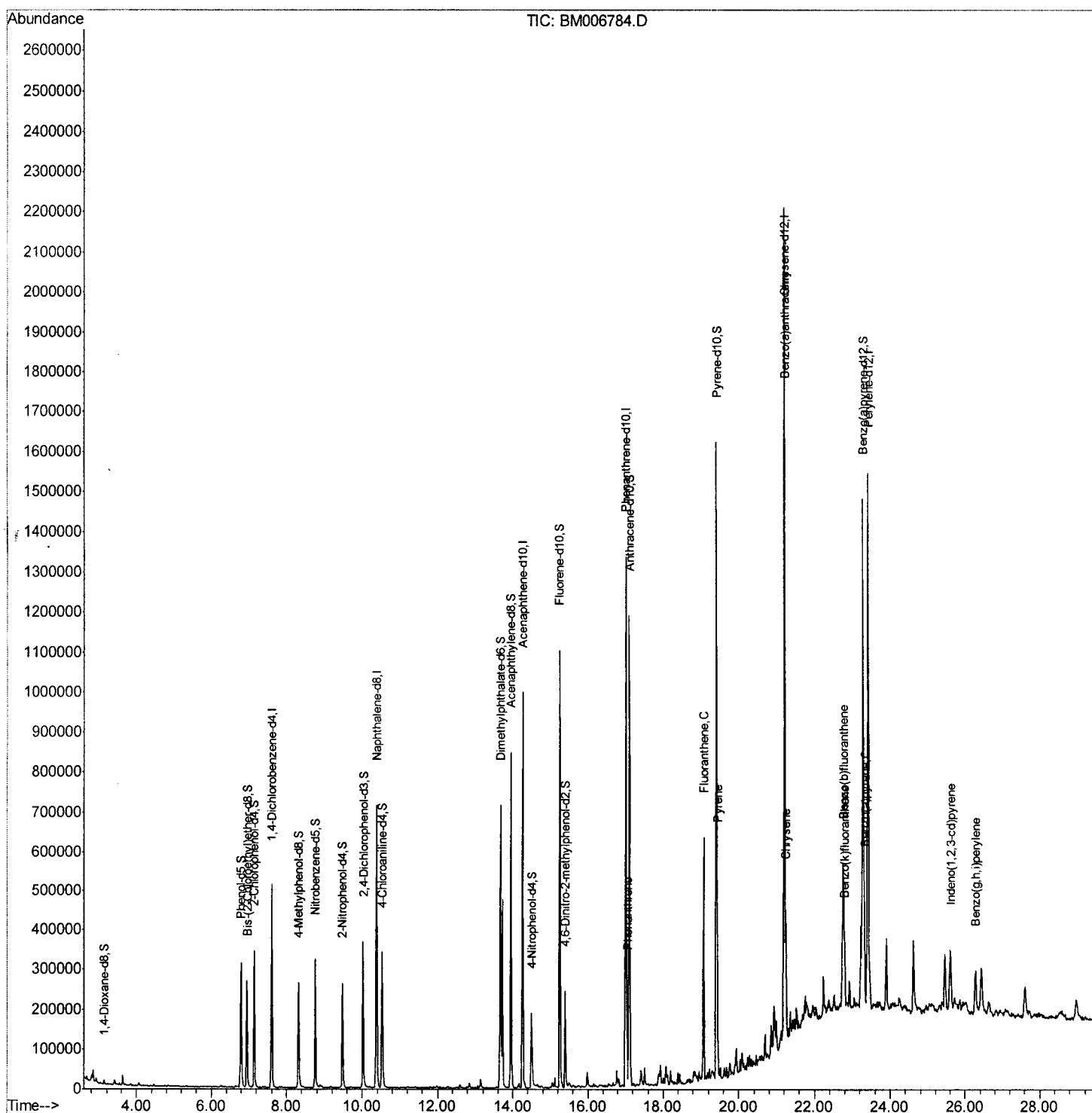
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006784.D  
 Acq On : 31 Jul 2016 11:54  
 Operator : UM/SJ  
 Sample : H4188-23  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9ZP9

Manual Integrations  
 APPROVED

sohil  
 8/1/2016 7:06:04 PM

Quant Time: Aug 01 06:59:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

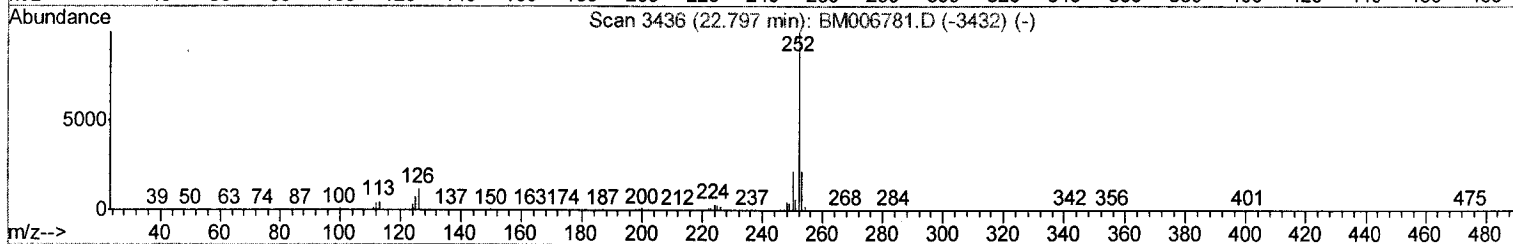
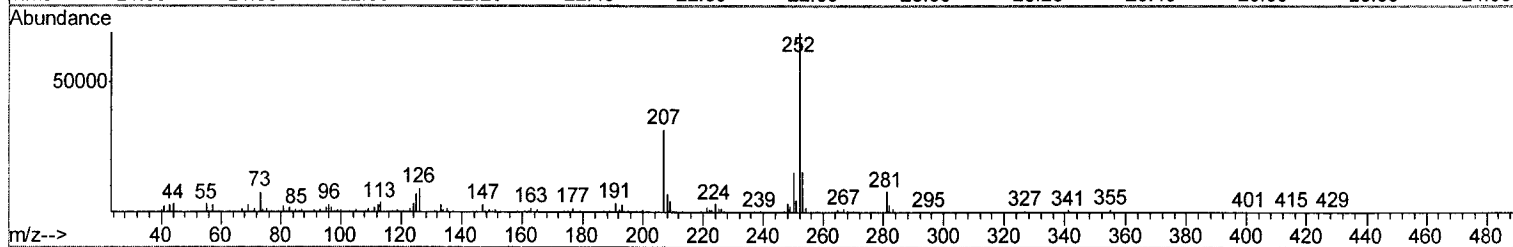
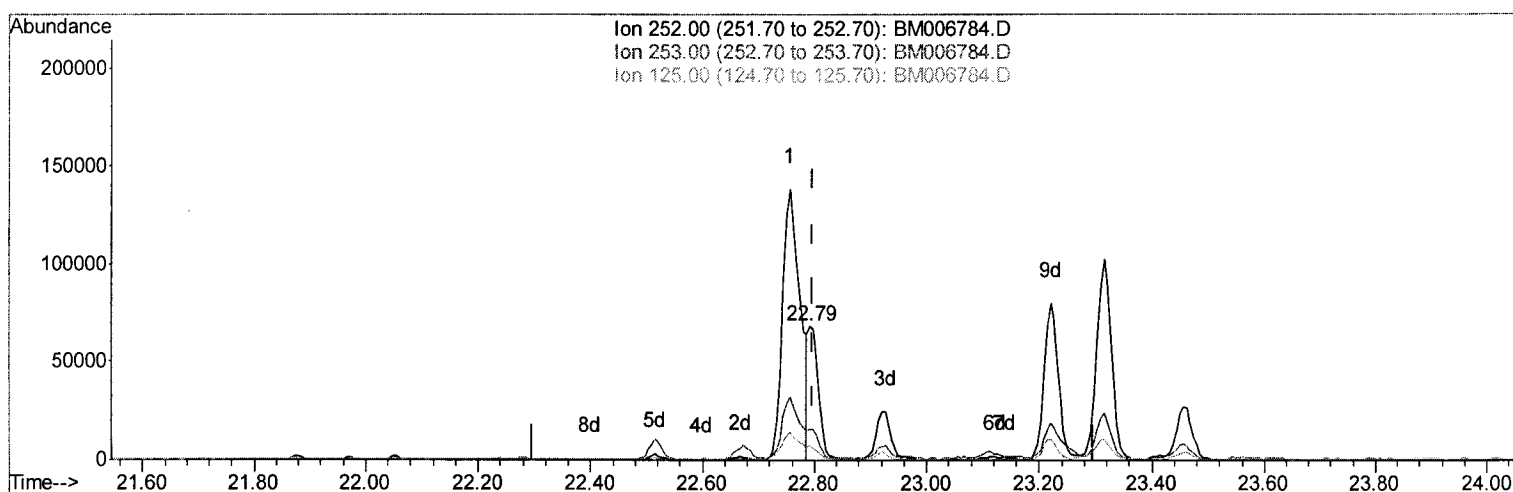
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006784.D  
 Acq On : 31 Jul 2016 11:54  
 Operator : UM/SJ  
 Sample : H4188-23  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9ZP9

Manual Integrations  
 APPROVED

sohil  
 8/1/2016 7:06:04 PM

Quant Time: Aug 01 06:41:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration



TIC: BM006784.D

(36) Benzo(k)fluoranthene

22.791min (-0.006) 1.55ng/ul m

response 86183

U.M  
 08/02/16

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.30 | 22.77 |
| 125.00 | 9.60  | 10.64 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

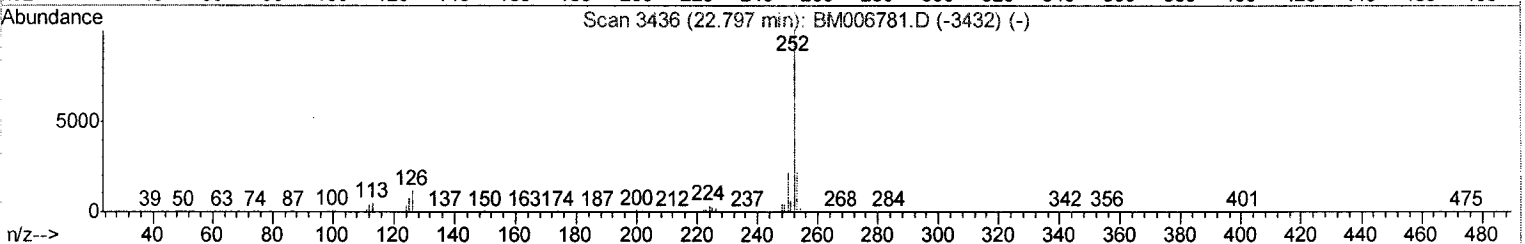
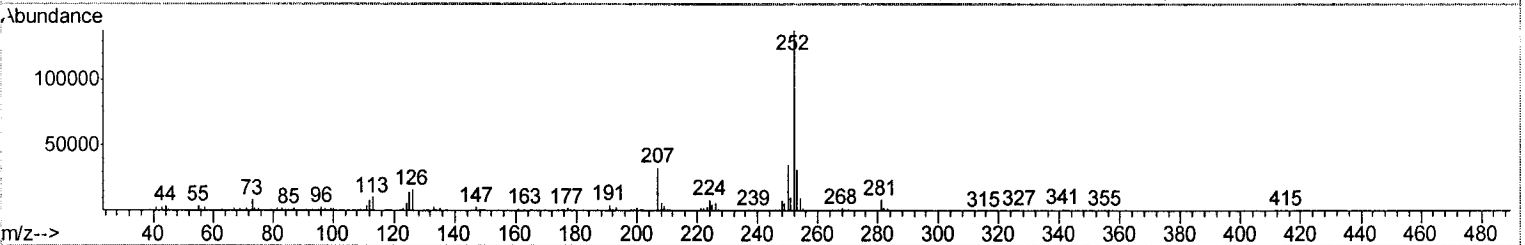
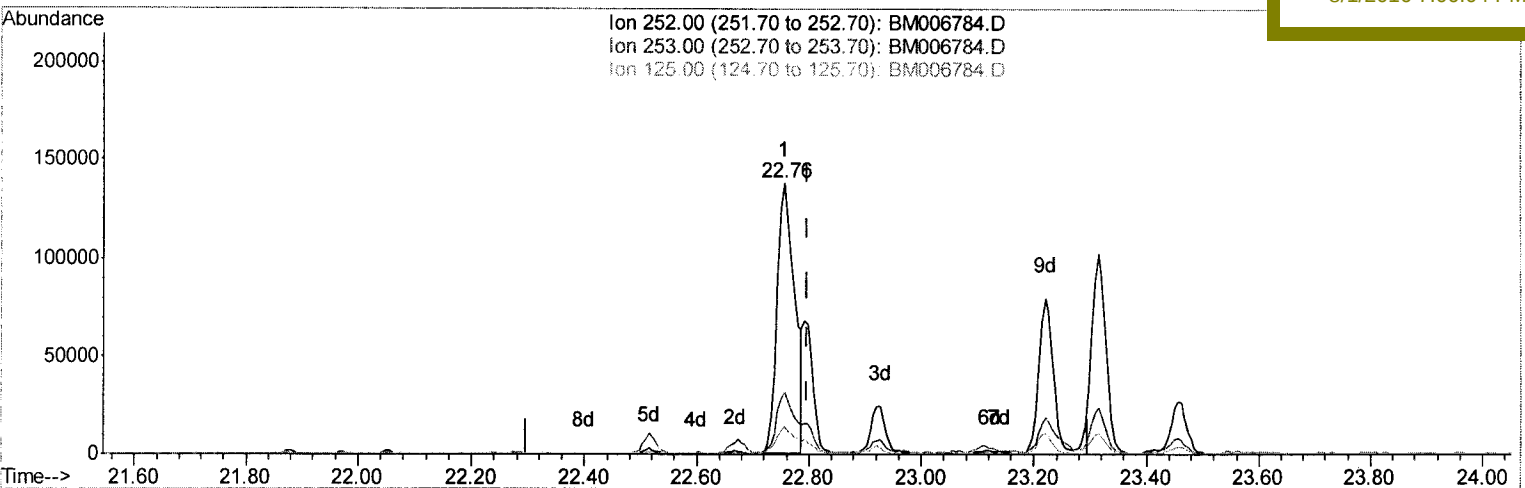
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006784.D  
 Acq On : 31 Jul 2016 11:54  
 Operator : UM/SJ  
 Sample : H4188-23  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 D9ZP9

Quant Time: Aug 01 06:41:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**

sohil  
 8/1/2016 7:06:04 PM



TIC: BM006784.D

(36) Benzo(k)fluoranthene  
 22.756min (-0.041) 5.41ng/ul  
 response 300468

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.30 | 23.13 |
| 125.00 | 9.60  | 10.44 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006784.D  
 Acq On : 31 Jul 2016 11:54  
 Operator : UM/SJ  
 Sample : H4188-23  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9ZP9

Quant Time: Aug 01 06:59:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 8/1/2016 7:06:04 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 134789   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 594160   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.26 | 164  | 345793   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.01 | 188  | 797233   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.21 | 240  | 923699   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.41 | 264  | 958620   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.13  | 96  | 4726   | 1.42  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.79  | 99  | 174582 | 15.22 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl) ether-d | 6.95  | 67  | 124996 | 17.60 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.14  | 132 | 150337 | 16.41 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.32  | 113 | 102101 | 11.48 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.76  | 128 | 74699  | 16.61 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.47  | 143 | 82327  | 17.21 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.01 | 165 | 145059 | 16.05 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.53 | 131 | 189181 | 19.01 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.67 | 166 | 483257 | 17.82 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.94 | 160 | 608512 | 17.58 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.49 | 143 | 56632  | 12.03 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.25 | 176 | 441394 | 18.20 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 50503  | 12.20 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.10 | 188 | 680193 | 17.97 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.41 | 212 | 795443 | 18.90 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.27 | 264 | 807205 | 18.31 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |      |       | Qvalue |
|----------------------------|-------|-----|--------|------|-------|--------|
| 25) Phenanthrene           | 17.05 | 178 | 134986 | 3.01 | ng/ul | 99     |
| 28) Fluoranthene           | 19.07 | 202 | 361299 | 6.86 | ng/ul | 99     |
| 31) Pyrene                 | 19.44 | 202 | 299771 | 5.36 | ng/ul | 98     |
| 32) Benzo(a)anthracene     | 21.20 | 228 | 183248 | 3.27 | ng/ul | 97     |
| 33) Chrysene               | 21.24 | 228 | 188636 | 3.65 | ng/ul | 97     |
| 35) Benzo(b)fluoranthene   | 22.76 | 252 | 300468 | 5.23 | ng/ul | 98     |
| 36) Benzo(k)fluoranthene   | 22.79 | 252 | 86183m | 1.55 | ng/ul |        |
| 38) Benzo(a)pyrene         | 23.31 | 252 | 184975 | 3.31 | ng/ul | 97     |
| 39) Indeno(1,2,3-cd)pyrene | 25.61 | 276 | 151133 | 2.33 | ng/ul | 97     |
| 41) Benzo(g,h,i)perylene   | 26.29 | 276 | 126346 | 2.28 | ng/ul | 97     |

U.M  
 08/02/16

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