

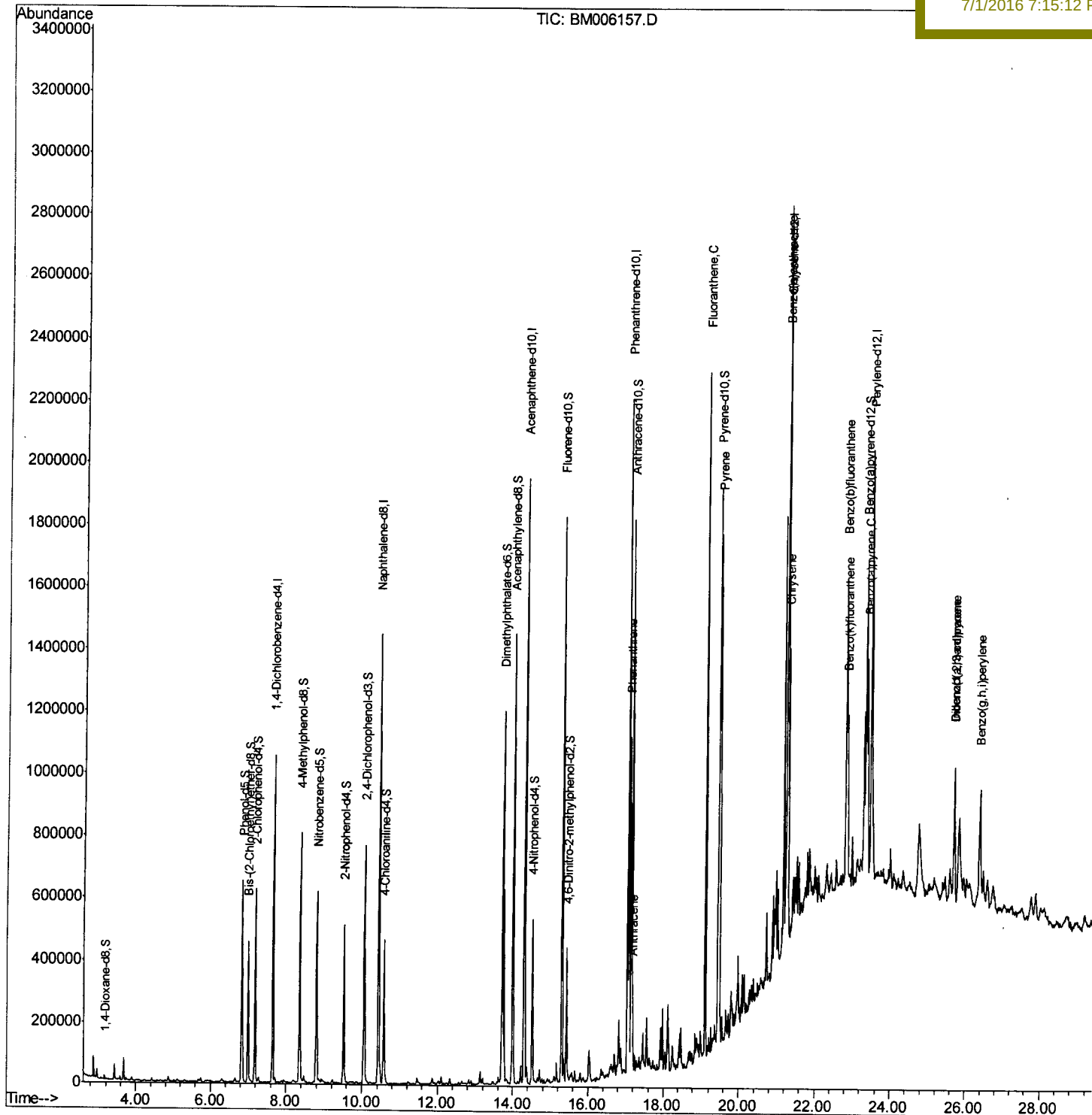
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
Data File : BM006157.D  
Acq On : 30 Jun 2016 13:10  
Operator : UM/SJ  
Sample : H3780-09  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 16:01:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jun 29 00:57:09 2016  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
D9YF8

Manual Integrations  
APPROVED

sohil  
7/1/2016 7:15:12 PM



# Quantitation Report (Qedit)

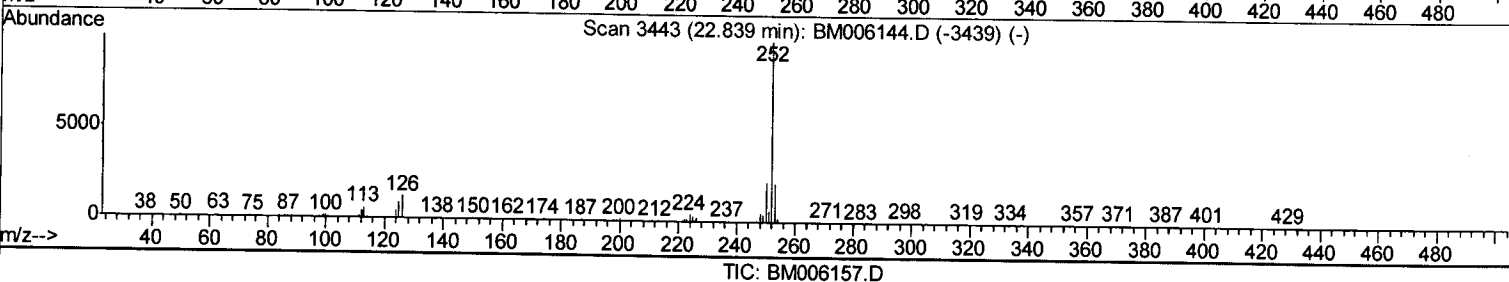
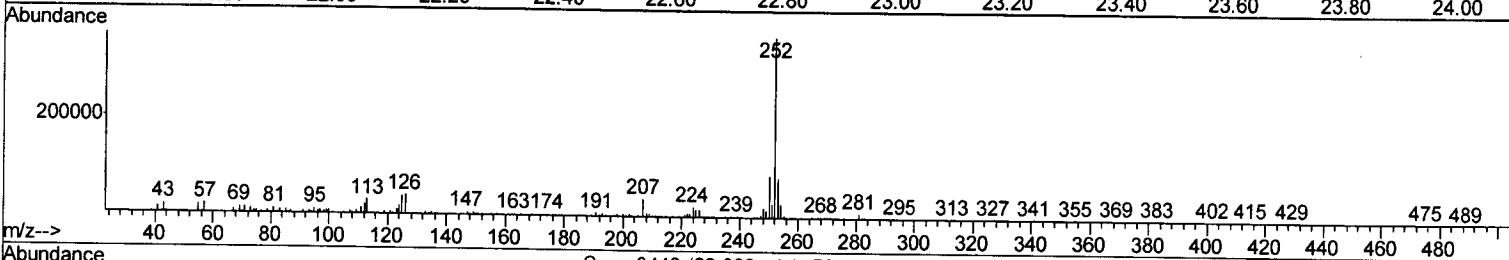
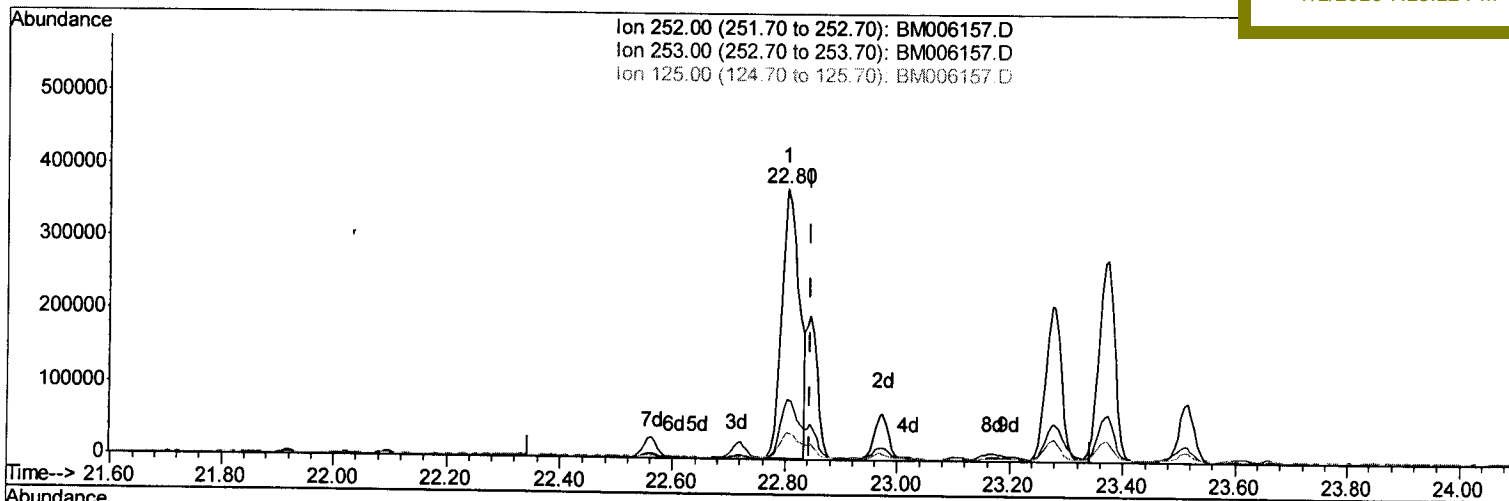
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006157.D  
 Acq On : 30 Jun 2016 13:10  
 Operator : UM/SJ  
 Sample : H3780-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF8

Quant Time: Jun 30 15:39:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 7/1/2016 7:15:12 PM



(36) Benzo(k)fluoranthene  
 22.803min (-0.041) 16.28ng/ul  
 response 804748

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 22.27 |
| 125.00 | 10.10 | 10.12 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

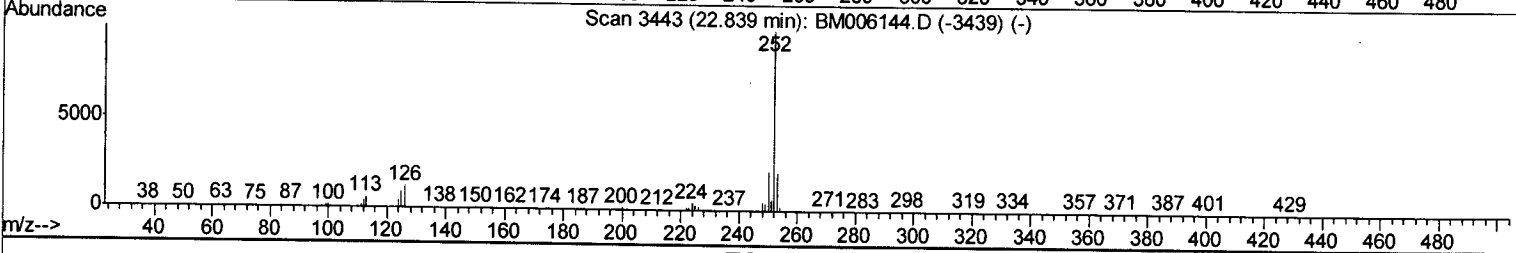
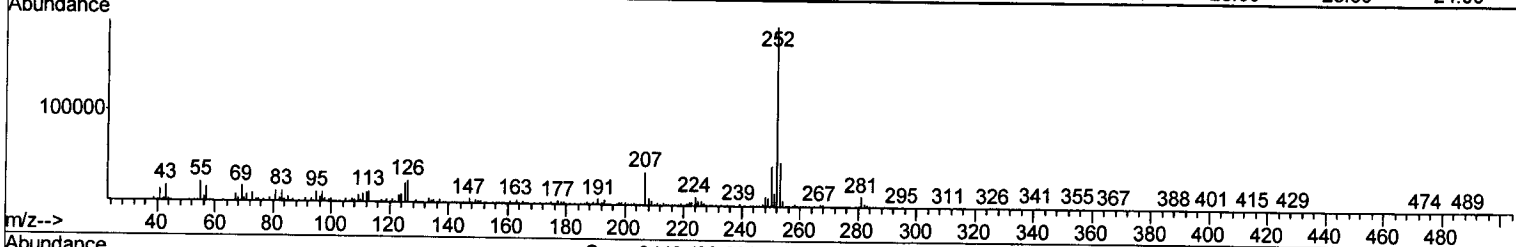
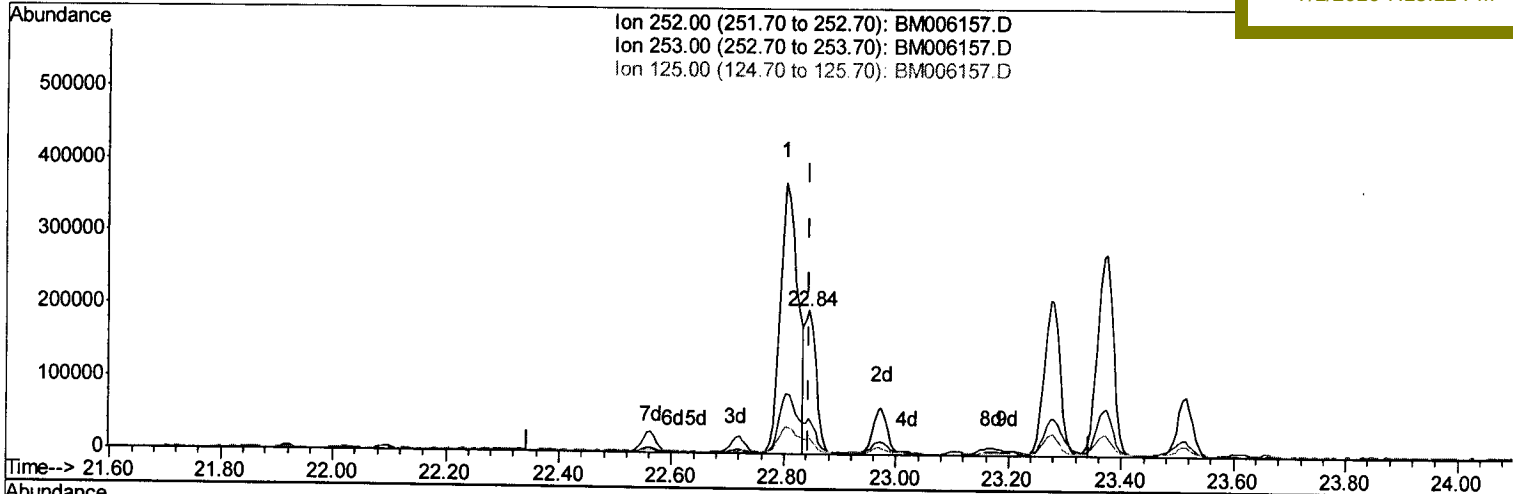
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006157.D  
 Acq On : 30 Jun 2016 13:10  
 Operator : UM/SJ  
 Sample : H3780-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 15:39:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF8

Manual Integrations  
 APPROVED

sohil  
 7/1/2016 7:15:12 PM



TIC: BM006157.D

(36) Benzo(k)fluoranthene

22.844min (-0.000) 5.59ng/ul

response 276082

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 24.76 |
| 125.00 | 10.10 | 10.83 |
| 0.00   | 0.00  | 0.00  |

U.M  
 07/02/16

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM063016\  
 Data File : BM006157.D  
 Acq On : 30 Jun 2016 13:10  
 Operator : UM/SJ  
 Sample : H3780-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YF8

Quant Time: Jun 30 16:01:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

sohil  
 7/1/2016 7:15:12 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 268453   | 20.00 | ng/ul | 0.00      |
| 7) Naphthalene-d8         | 10.43 | 136  | 1173557  | 20.00 | ng/ul | 0.00      |
| 15) Acenaphthene-d10      | 14.30 | 164  | 647749   | 20.00 | ng/ul | 0.00      |
| 23) Phenanthrene-d10      | 17.05 | 188  | 1262584  | 20.00 | ng/ul | 0.00      |
| 29) Chrysene-d12          | 21.25 | 240  | 921597   | 20.00 | ng/ul | 0.00      |
| 34) Perylene-d12          | 23.47 | 264  | 1015050  | 20.00 | ng/ul | 0.00      |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.16  | 96  | 6081    | 1.05  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.83  | 99  | 344314  | 15.70 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl) ether-d | 6.99  | 67  | 209892  | 16.23 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 260727  | 15.49 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.36  | 113 | 282399  | 16.00 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.80  | 128 | 134108  | 16.97 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.52  | 143 | 150449  | 16.63 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 270191  | 16.37 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.57 | 131 | 251098  | 19.25 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 822332  | 17.71 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.99 | 160 | 1034717 | 18.36 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.52 | 143 | 116847  | 13.26 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.30 | 176 | 699042  | 17.64 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 81408   | 18.20 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.15 | 188 | 931141  | 18.38 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.45 | 212 | 782839  | 21.09 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.33 | 264 | 741794  | 18.36 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |             | Qvalue |
|----------------------------|-------|-----|---------|-------------|--------|
| 25) Phenanthrene           | 17.09 | 178 | 623322  | 10.43 ng/ul | 99     |
| 27) Anthracene             | 17.19 | 178 | 134231  | 2.19 ng/ul  | 99     |
| 28) Fluoranthene           | 19.12 | 202 | 1313952 | 17.96 ng/ul | 99     |
| 31) Pyrene                 | 19.48 | 202 | 974638  | 20.05 ng/ul | 98     |
| 32) Benzo(a)anthracene     | 21.23 | 228 | 535914  | 11.18 ng/ul | 98     |
| 33) Chrysene               | 21.29 | 228 | 534141  | 12.11 ng/ul | 97     |
| 35) Benzo(b)fluoranthene   | 22.80 | 252 | 804748  | 15.28 ng/ul | 99     |
| 36) Benzo(k)fluoranthene   | 22.84 | 252 | 276082m | 5.59 ng/ul  |        |
| 38) Benzo(a)pyrene         | 23.37 | 252 | 529724  | 10.64 ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.69 | 276 | 422568  | 8.17 ng/ul# | 92     |
| 40) Dibenzo(a,h)anthracene | 25.69 | 278 | 114086  | 2.67 ng/ul# | 88     |
| 41) Benzo(g,h,i)perylene   | 26.37 | 276 | 394758  | 9.12 ng/ul  | 98     |

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

U.M  
 07/02/16