

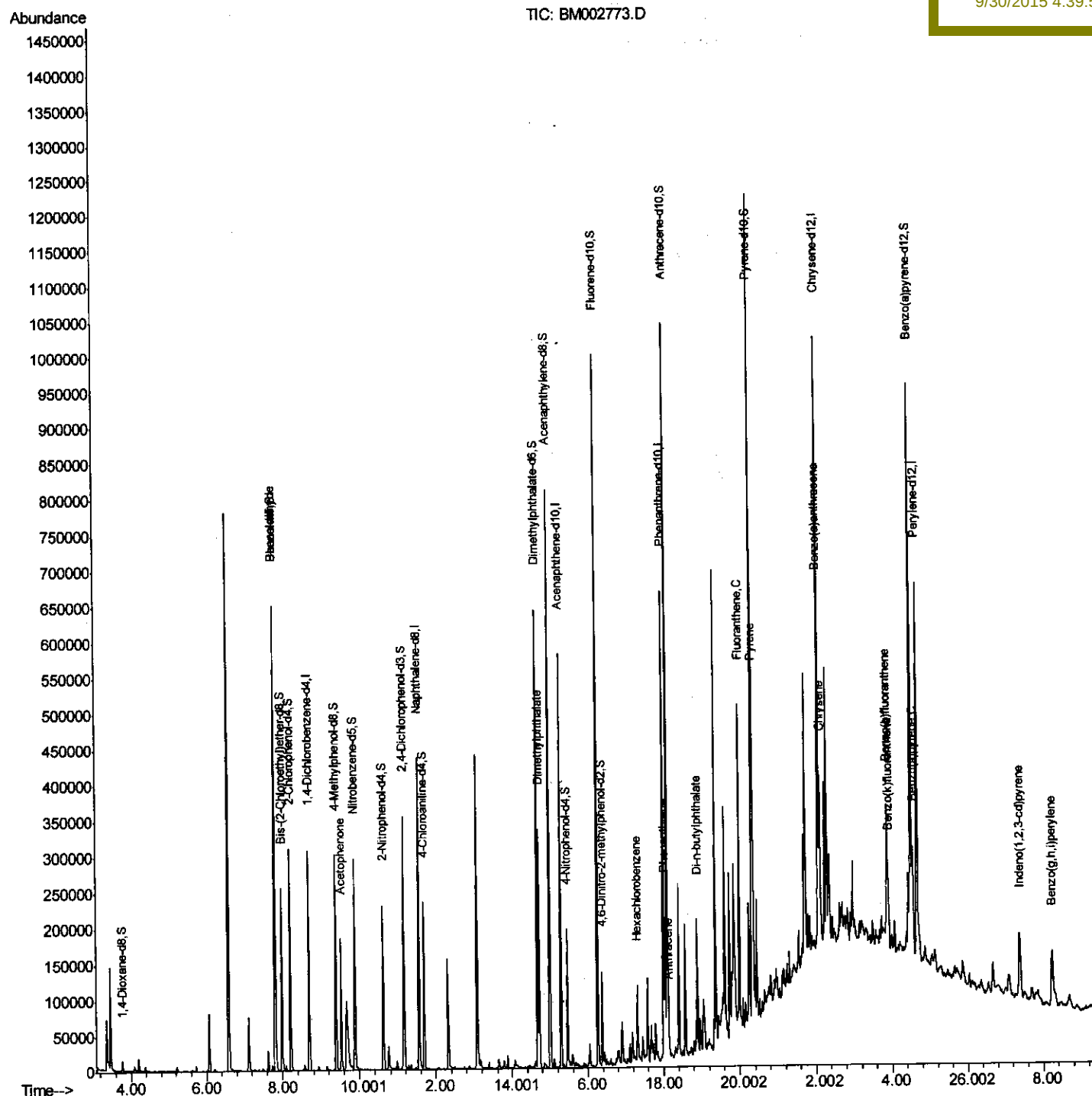
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\  
Data File : BM002773.D  
Acq On : 30 Sep 2015 07:47  
Operator : UM/IZ  
Sample : G3838-12  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E5MX0

Quant Time: Sep 30 08:20:10 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 30 06:48:30 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/30/2015 4:39:51 PM



# Quantitation Report (Qedit)

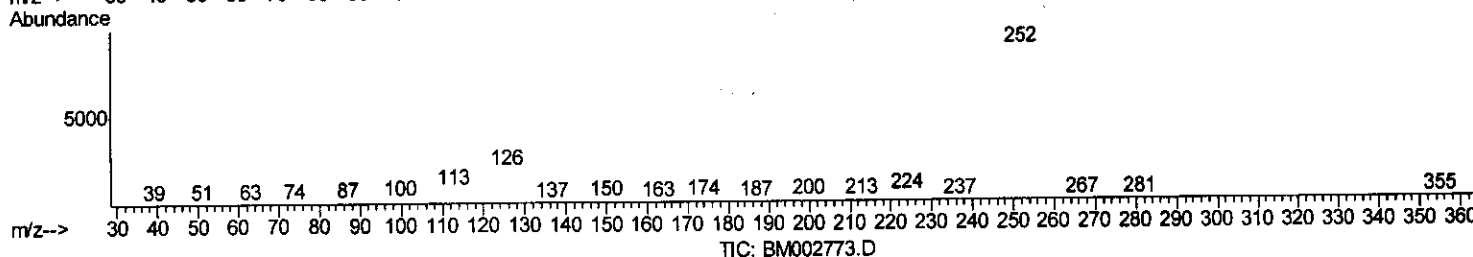
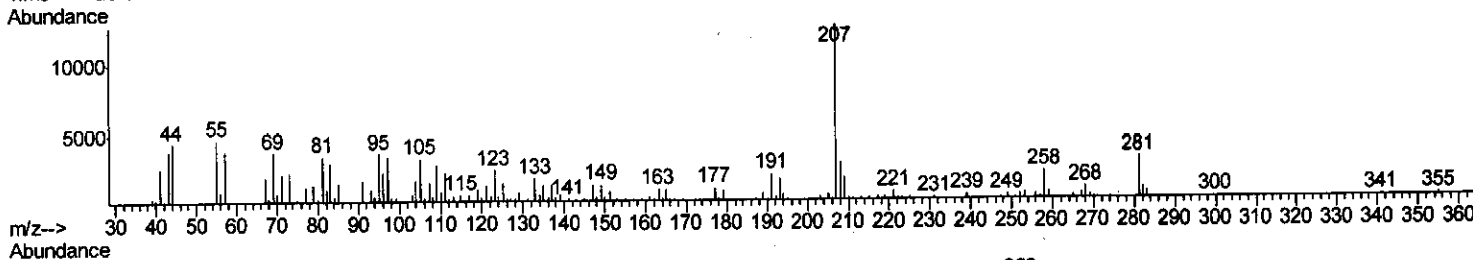
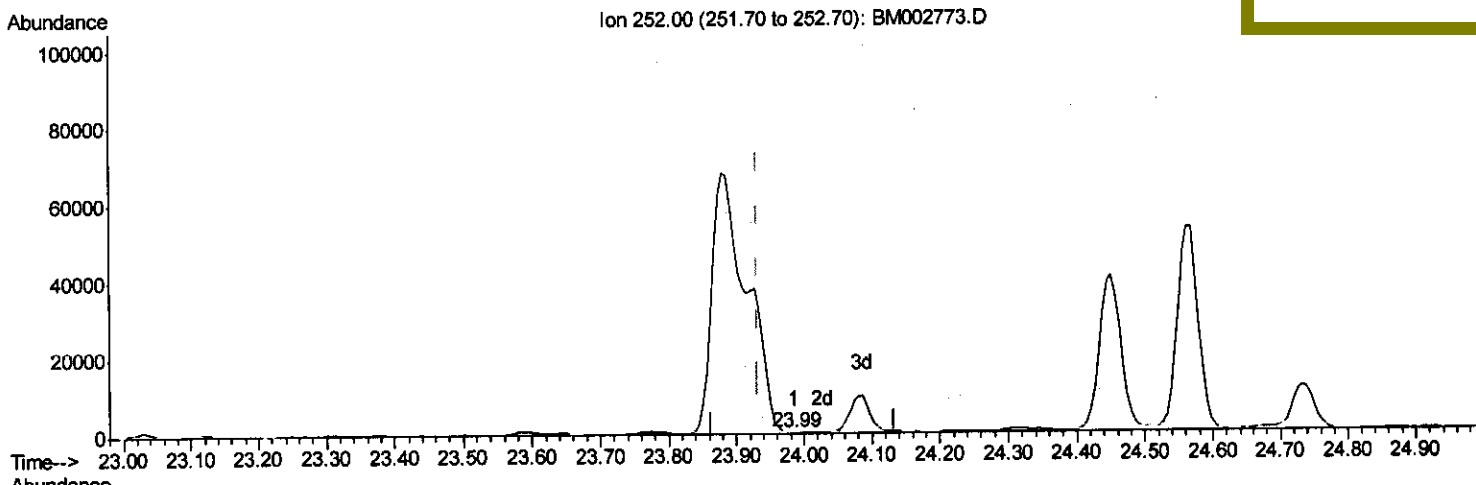
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\  
 Data File : BM002773.D  
 Acq On : 30 Sep 2015 07:47  
 Operator : UM/IZ  
 Sample : G3838-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ESMX0

Quant Time: Sep 30 08:17:59 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 30 06:48:30 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/30/2015 4:39:51 PM



(89) Benzo(k)fluoranthene

23.985min (+0.053) 0.00ng/ul

response 75

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 21.60 | 116.15# |
| 125.00 | 12.50 | 260.03# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

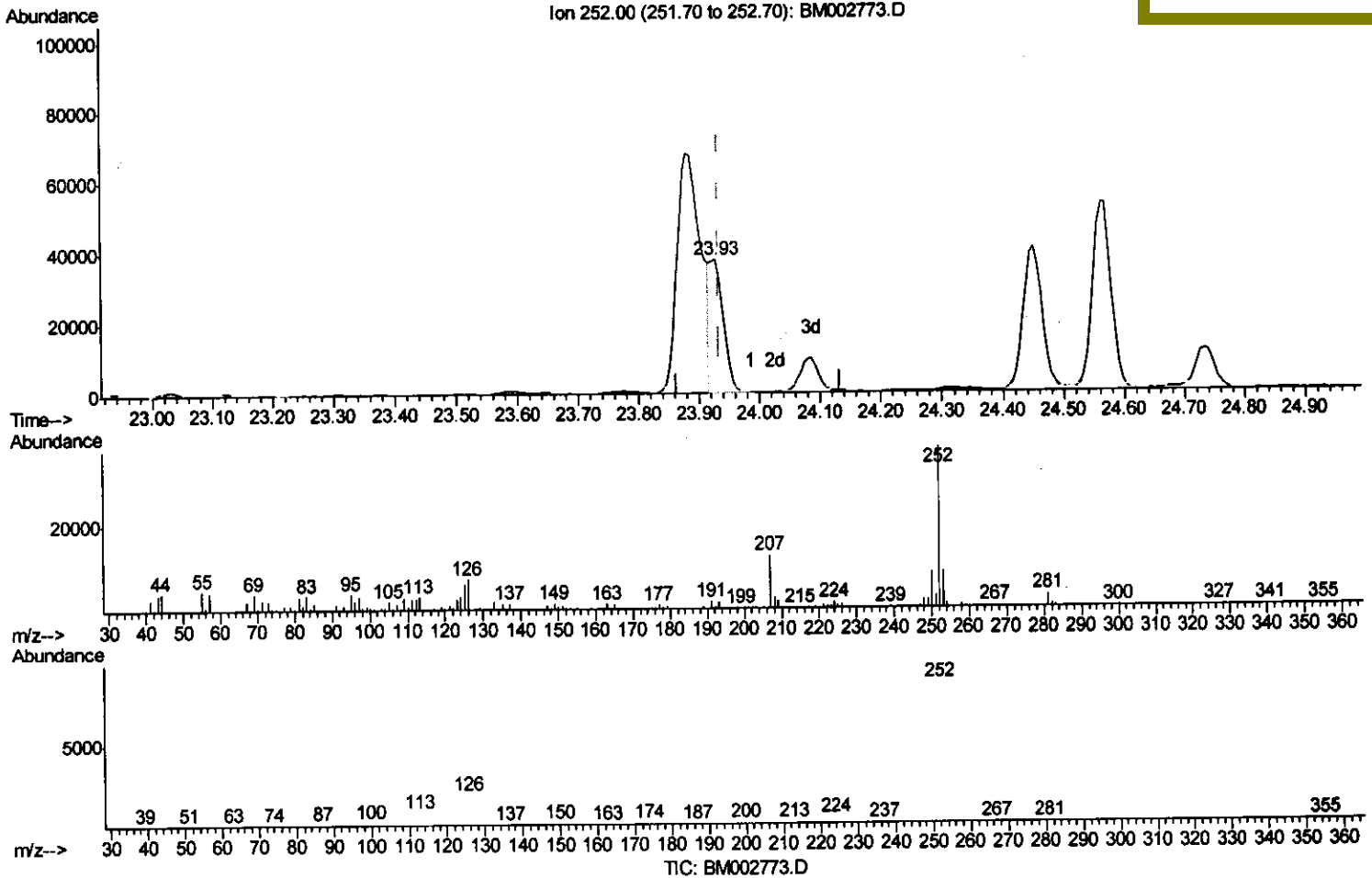
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\  
 Data File : BM002773.D  
 Acq On : 30 Sep 2015 07:47  
 Operator : UM/IZ  
 Sample : G3838-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5MX0

Quant Time: Sep 30 08:17:59 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 30 06:48:30 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/30/2015 4:39:51 PM



(89) Benzo(k)fluoranthene

23.927min (-0.006) 2.43ng/ul m U.M

response 57218

10/1/15

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 23.54  |
| 125.00 | 12.50 | 16.61# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\  
 Data File : BM002773.D  
 Acq On : 30 Sep 2015 07:47  
 Operator : UM/IZ  
 Sample : G3838-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA M  
 ClientSampleId :  
 E5MX0

Quant Time: Sep 30 08:20:10 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 30 06:48:30 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/30/2015 4:39:51 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.70  | 152  | 94720    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.56 | 136  | 404631   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.29 | 164  | 200345   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.00 | 188  | 397585   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.09 | 240  | 412333   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.68 | 264  | 414797   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.77  | 96   | 8439     | 4.14  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 7.82  | 99   | 178434   | 24.86 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.99  | 67   | 118068   | 29.24 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 8.22  | 132  | 178305   | 26.69 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 9.40  | 113  | 133409   | 22.55 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 9.89  | 128  | 91567    | 29.67 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 10.62 | 143  | 96230    | 29.84 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 11.16 | 165  | 153282   | 26.93 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 11.69 | 131  | 156326   | 22.82 | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 14.67 | 166  | 456754   | 30.30 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 15.00 | 160  | 609575   | 30.30 | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 15.46 | 143  | 65019    | 24.29 | ng/ul | 0.00     |
| 58) Fluorene-d10               | 16.27 | 176  | 399593   | 29.43 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 16.39 | 200  | 31529    | 16.26 | ng/ul | 0.00     |
| 71) Anthracene-d10             | 18.10 | 188  | 571657   | 30.13 | ng/ul | 0.00     |
| 79) Pyrene-d10                 | 20.33 | 212  | 582730   | 30.28 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 24.51 | 264  | 646102   | 30.45 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 4) Benzaldehyde            | 7.81  | 77   | 145875   | 36.23 | ng/ul  | 99     |
| 14) Acetophenone           | 9.53  | 105  | 113864   | 12.79 | ng/ul  | 98     |
| 45) Dimethylphthalate      | 14.72 | 163  | 240326   | 15.68 | ng/ul  | 100    |
| 67) Hexachlorobenzene      | 17.32 | 284  | 21761    | 4.63  | ng/ul  | 98     |
| 70) Phenanthrene           | 18.04 | 178  | 119175   | 5.18  | ng/ul  | 100    |
| 72) Anthracene             | 18.14 | 178  | 29772    | 1.27  | ng/ul  | 98     |
| 76) Di-n-butylphthalate    | 18.90 | 149  | 37832    | 1.45  | ng/ul# | 76     |
| 77) Fluoranthene           | 20.00 | 202  | 263577   | 11.10 | ng/ul  | 99     |
| 80) Pyrene                 | 20.36 | 202  | 232081   | 8.86  | ng/ul  | 99     |
| 83) Benzo(a)anthracene     | 22.07 | 228  | 105362   | 4.30  | ng/ul  | 100    |
| 85) Chrysene               | 22.13 | 228  | 130215   | 5.63  | ng/ul  | 97     |
| 88) Benzo(b)fluoranthene   | 23.88 | 252  | 186156   | 7.47  | ng/ul  | 97     |
| 89) Benzo(k)fluoranthene   | 23.93 | 252  | 57218m   | 2.43  | ng/ul  |        |
| 91) Benzo(a)pyrene         | 24.56 | 252  | 112417   | 4.70  | ng/ul# | 95     |
| 92) Indeno(1,2,3-cd)pyrene | 27.39 | 276  | 96683    | 3.46  | ng/ul  | 95     |
| 94) Benzo(a,h,i)perylene   | 28.24 | 276  | 96786    | 4.12  | ng/ul  | 98     |

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

U.M  
 10/1/15