

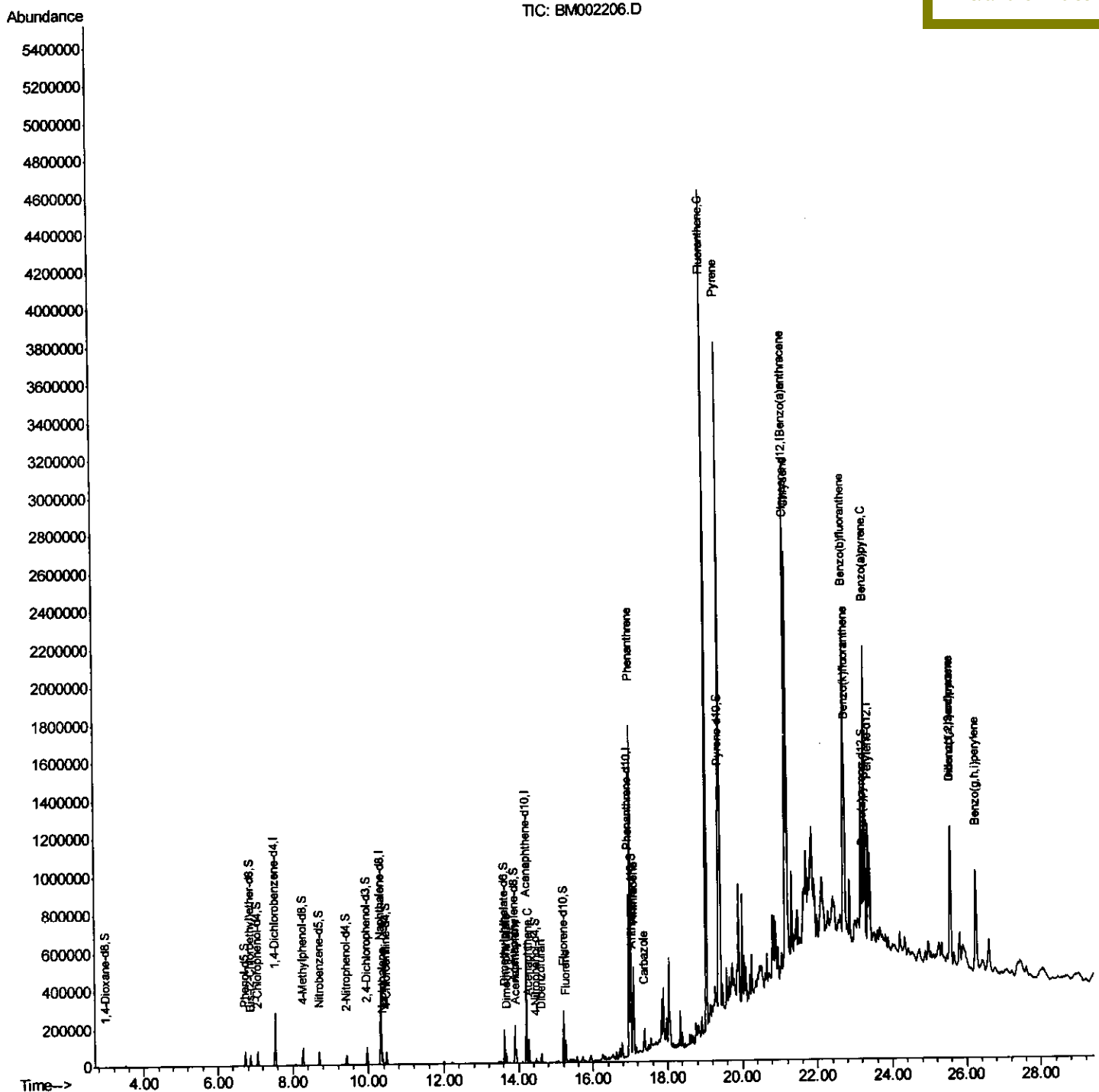
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
Data File : BM002206.D  
Acq On : 03 Aug 2015 20:25  
Operator : TP/UM  
Sample : G3095-13  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 04 05:04:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 04 02:31:26 2015  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
C01S4

Manual Integrations  
APPROVED

MM Dadoda  
8/6/2015 4:16:33 PM



# Quantitation Report (Qedit)

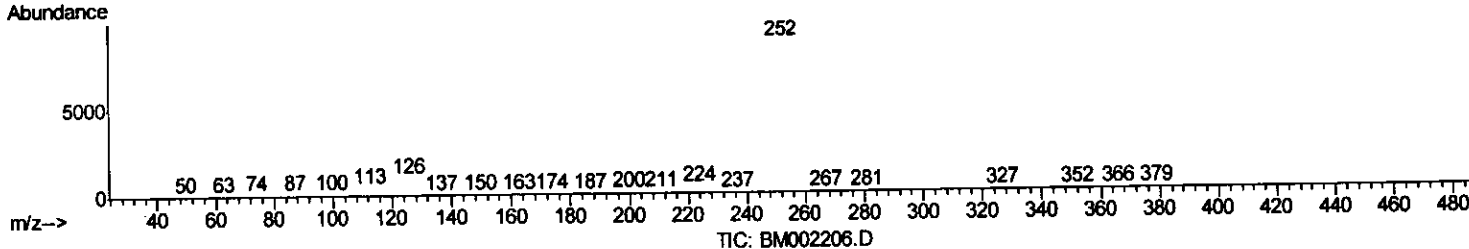
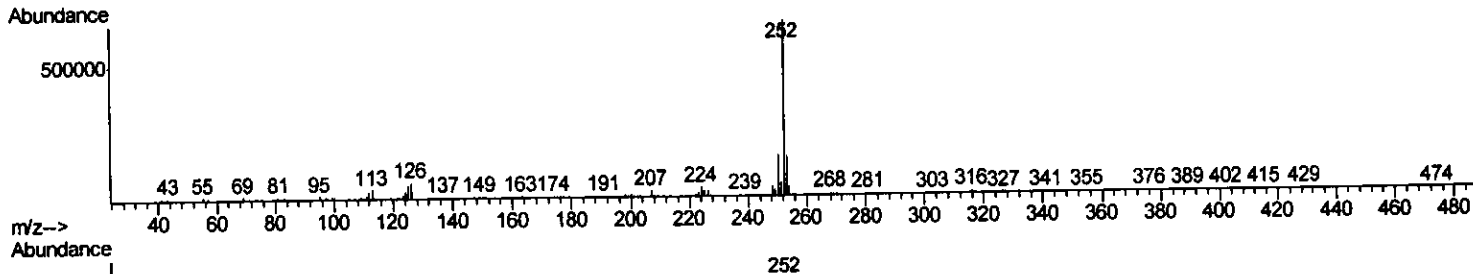
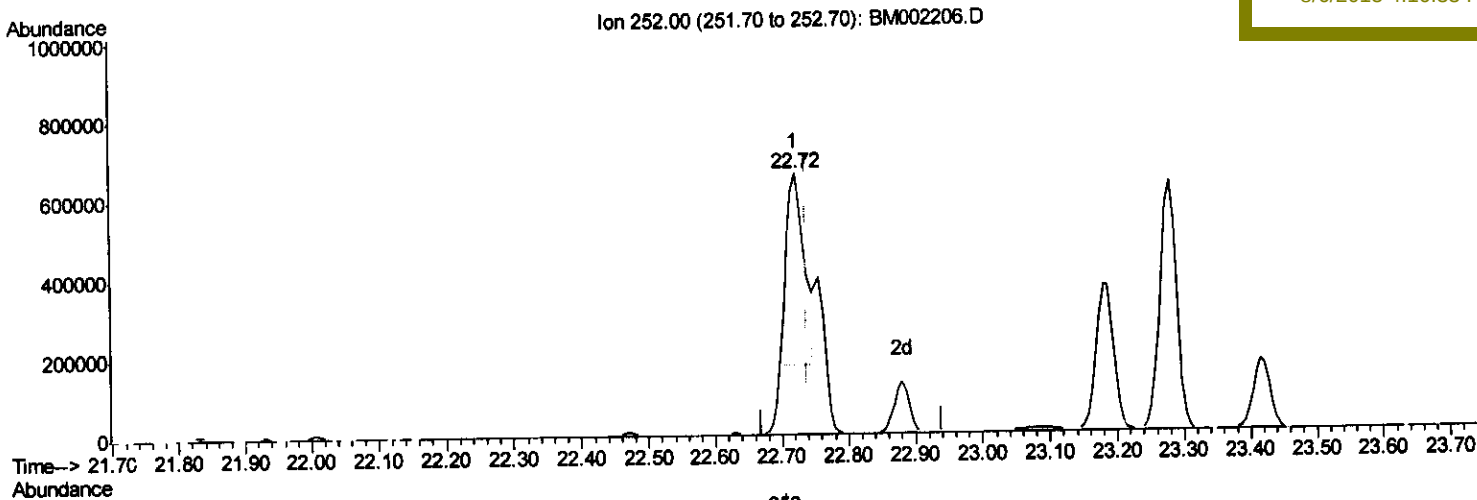
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
 Data File : BM002206.D  
 Acq On : 03 Aug 2015 20:25  
 Operator : TP/UM  
 Sample : G3095-13  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S4

Quant Time: Aug 04 02:38:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2015 4:16:33 PM



(89) Benzo(k)fluoranthene

22.721min (-0.018) 36.17ng/ui

response 885970

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.68 |
| 125.00 | 7.80  | 7.74  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

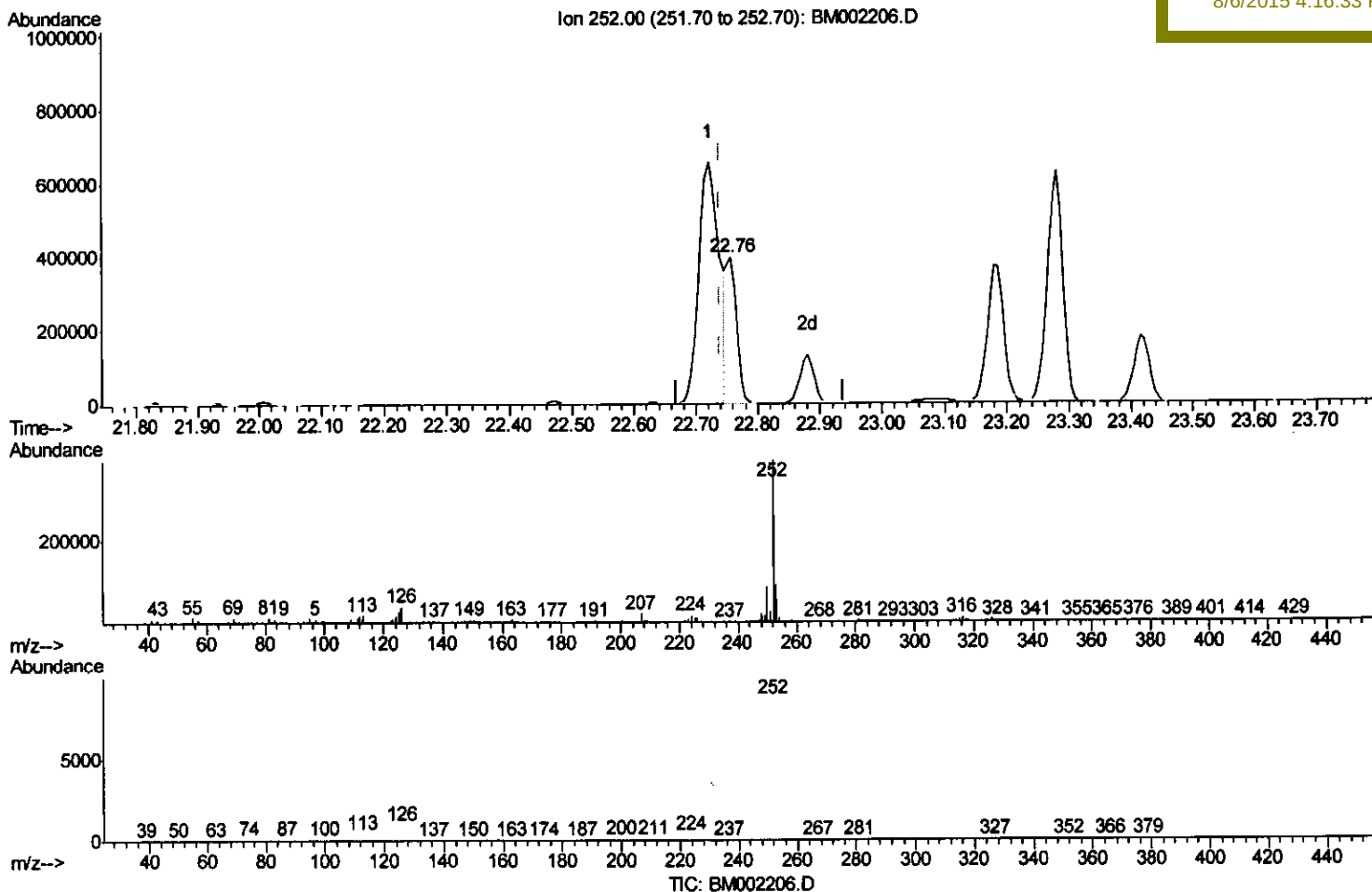
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
Data File : BM002206.D  
Acq On : 03 Aug 2015 20:25  
Operator : TP/UM  
Sample : G3095-13  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01S4

Quant Time: Aug 04 02:38:19 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 04 02:31:26 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/6/2015 4:16:33 PM



(89) Benzo(k)fluoranthene

22.756min (+0.018) 18.98ng/ul m

response 464823

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 23.59 |
| 125.00 | 7.80  | 7.24  |
| 0.00   | 0.00  | 0.00  |

T.P  
8/7/15

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
 Data File : BM002206.D  
 Acq On : 03 Aug 2015 20:25  
 Operator : TP/UM  
 Sample : G3095-13  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S4

Quant Time: Aug 04 05:04:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 8/6/2015 4:16:33 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 79370    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 341602   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.21 | 164  | 215670   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.97 | 188  | 504324   | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.18 | 240  | 452820   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 23.37 | 264  | 451800   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.98  | 96  | 1593   | 1.04 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.73  | 99  | 44732  | 7.88 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 23686  | 7.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 37180  | 7.73 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 37144  | 8.23 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 19073  | 7.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 18709  | 6.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 40263  | 7.75 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 37931  | 6.64 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 121650 | 7.70 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.90 | 160 | 151324 | 7.66 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.46 | 143 | 6579   | 2.50 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.21 | 176 | 109230 | 7.86 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0      | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.06 | 188 | 169826 | 7.54 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.37 | 212 | 171725 | 9.01 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12         | 23.23 | 264 | 157342 | 7.18 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |              | Qvalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 28) Naphthalene            | 10.37 | 128 | 33090   | 2.04 ng/ul   | 98     |
| 45) Dimethylphthalate      | 13.67 | 163 | 37819   | 2.40 ng/ul   | 99     |
| 48) Acenaphthylene         | 13.93 | 152 | 65374   | 3.21 ng/ul   | 98     |
| 50) Acenaphthene           | 14.27 | 153 | 51653   | 3.87 ng/ul   | 98     |
| 54) Dibenzofuran           | 14.61 | 168 | 31230   | 1.63 ng/ul   | 99     |
| 59) Fluorene               | 15.26 | 166 | 55135   | 3.48 ng/ul   | 99     |
| 70) Phenanthrene           | 17.01 | 178 | 1068034 | 40.89 ng/ul  | 99     |
| 72) Anthracene             | 17.10 | 178 | 291107  | 10.90 ng/ul  | 99     |
| 75) Carbazole              | 17.38 | 167 | 69876   | 3.06 ng/ul   | 98     |
| 77) Fluoranthene           | 19.04 | 202 | 2738030 | 90.78 ng/ul  | 99     |
| 80) Pyrene                 | 19.42 | 202 | 2383216 | 96.72 ng/ul  | 100    |
| 83) Benzo(a)anthracene     | 21.16 | 228 | 1249717 | 49.79 ng/ul  | 98     |
| 85) Chrysene               | 21.22 | 228 | 1076903 | 45.85 ng/ul  | 97     |
| 88) Benzo(b)fluoranthene   | 22.72 | 252 | 1473040 | 58.02 ng/ul  | 98     |
| 89) Benzo(k)fluoranthene   | 22.76 | 252 | 464823m | 18.98 ng/ul  |        |
| 91) Benzo(a)pyrene         | 23.28 | 252 | 1084183 | 44.24 ng/ul  | 98     |
| 92) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 725172  | 25.68 ng/ul# | 94     |
| 93) Dibenzo(a,h)anthracene | 25.57 | 278 | 190588  | 7.89 ng/ul#  | 93     |
| 94) Benzo(g,h,i)perylene   | 26.26 | 276 | 660220  | 27.89 ng/ul  | 97     |

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 5/2/15

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