

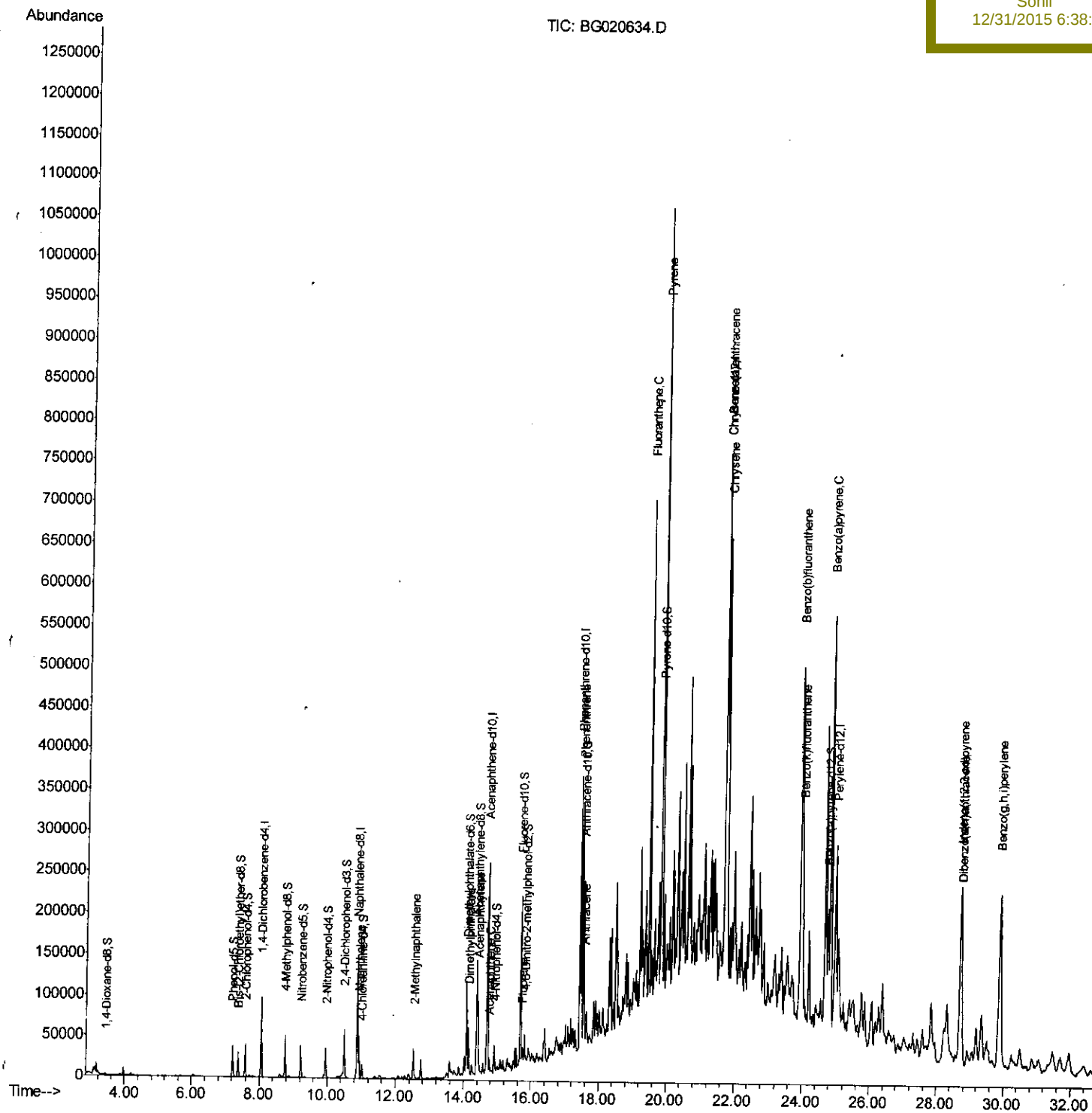
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG123015\  
Data File : BG020634.D  
Acq On : 31 Dec 2015 10:04  
Operator : UM/SJ  
Sample : G4802-14DL 2X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 31 15:13:32 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG123015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 31 03:43:50 2015  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampled :  
G9D89DL

Manual Integrations  
APPROVED

Sohil  
12/31/2015 6:38:01 PM



## Quantitation Report (Qedit)

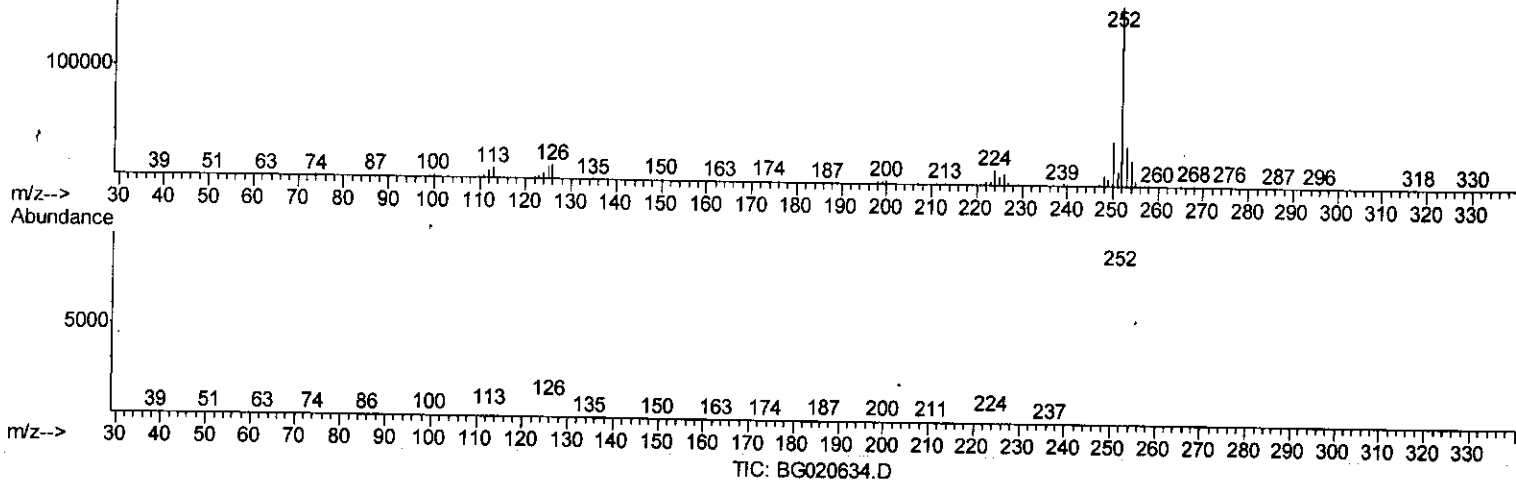
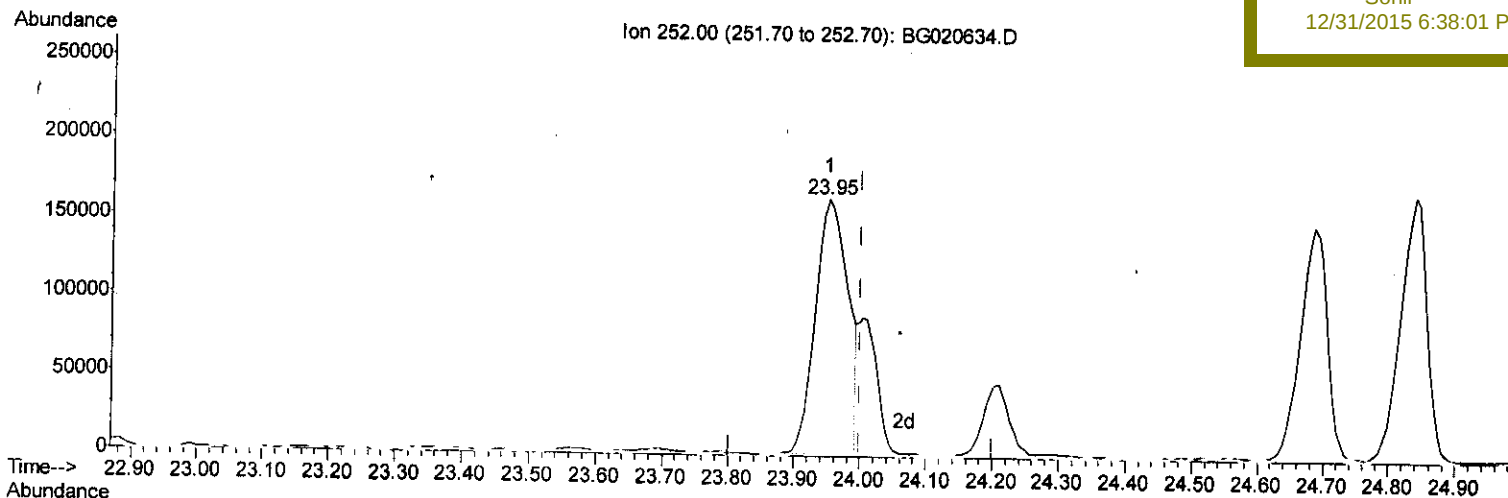
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Quant Time: Dec 31 15:11:30 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG123015.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 31 03:43:50 2015  
Response via : Initial Calibration



(89) Benzo(k)fluoranthene

23.950min (-0.051) 38.58ng/ul

response 549656

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 21.72 |
| 125.00 | 6.70  | 6.76  |
| 0.00   | 0.00  | 0.00  |

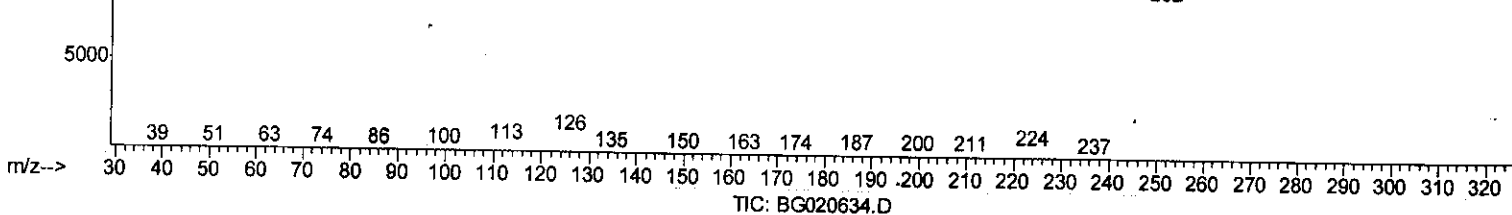
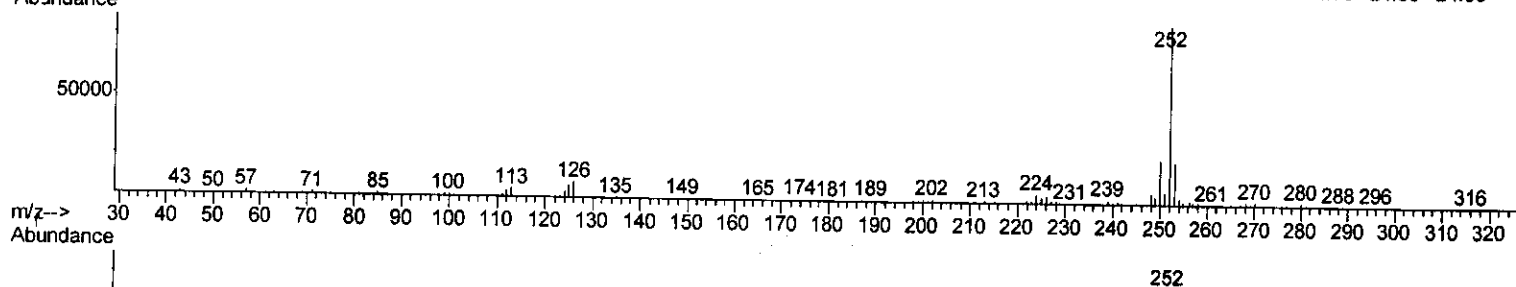
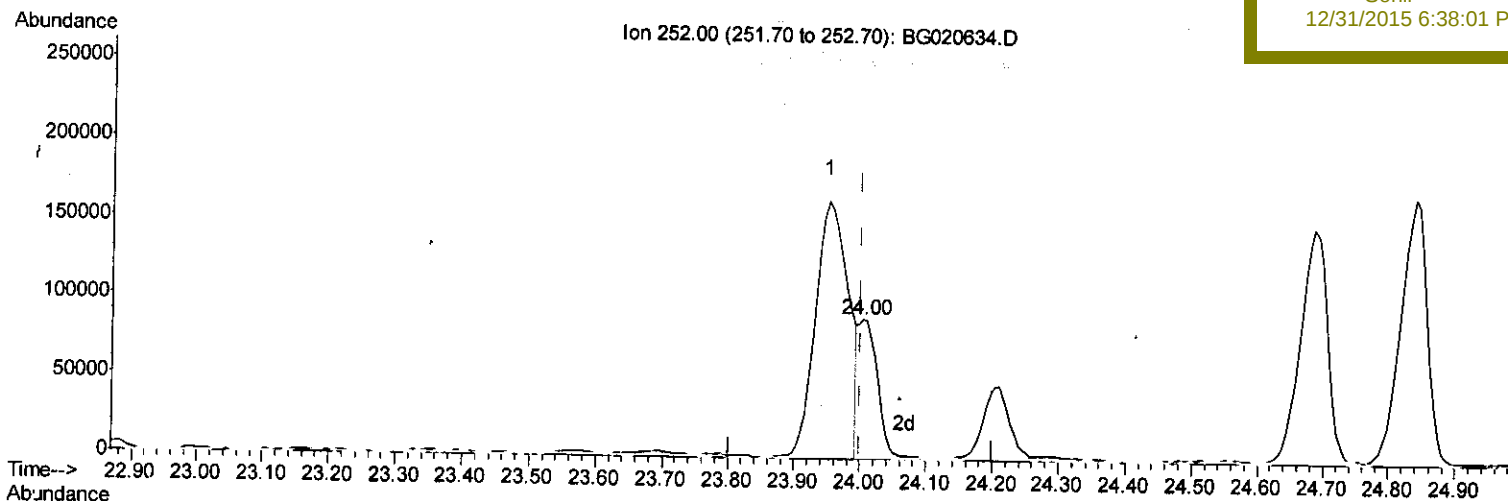
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Manual Integrations  
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Sohil  
 12/31/2015 6:38:01 PM

Quant Time: Dec 31 15:11:30 2015  
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 QLast Update : Thu Dec 31 03:43:50 2015  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

24.003min (+0.002) 13.02ng/ul m

response 185421

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.12 |
| 125.00 | 6.70  | 6.92  |
| 0.00   | 0.00  | 0.00  |

U.N  
 11/1/16

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG123015\  
 Data File : BG020634.D  
 Acq On : 31 Dec 2015 10:04  
 Operator : UM/SJ  
 Sample : G4802-14DL 2X.  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 G9D89DL

Quant Time: Dec 31 15:13:32 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG123015.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
 APPROVED

Sohil  
 12/31/2015 6:38:01 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 28837    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.88 | 136  | 125325   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.70 | 164  | 88737    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.44 | 188  | 211597   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.72 | 240  | 256087   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.99 | 264  | 250341   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 929    | 1.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.22  | 99  | 24956  | 10.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.38  | 67  | 15484  | 10.51 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.59  | 132 | 20557  | 11.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 21927  | 10.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.23  | 128 | 11015  | 11.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.96  | 143 | 13235  | 11.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.50 | 165 | 24877  | 11.65 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.02 | 131 | 11496  | 4.54  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.09 | 166 | 79797  | 10.99 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.39 | 160 | 102420 | 12.42 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.90 | 143 | 8580   | 7.53  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.68 | 176 | 79991  | 12.15 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.81 | 200 | 9751   | 7.60  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.54 | 188 | 122607 | 12.44 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.83 | 212 | 145153 | 12.64 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.76 | 264 | 159962 | 12.81 | ng/ul | 0.01 |

## Target Compounds

|                            |       |     |         |             | Qvalue |
|----------------------------|-------|-----|---------|-------------|--------|
| 28) Naphthalene            | 10.92 | 128 | 45105   | 6.80 ng/ul  | 98     |
| 34) 2-Methylnaphthalene    | 12.52 | 142 | 16661   | 3.35 ng/ul  | 99     |
| 45) Dimethylphthalate      | 14.14 | 163 | 27407   | 3.69 ng/ul# | 98     |
| 48) Acenaphthylene         | 14.42 | 152 | 70269   | 8.00 ng/ul  | 100    |
| 50) Acenaphthene           | 14.76 | 153 | 7449    | 1.25 ng/ul  | 89     |
| 59) Fluorene               | 15.74 | 166 | 15183   | 2.10 ng/ul  | 93     |
| 70) Phenanthrene           | 17.48 | 178 | 197391  | 17.16 ng/ul | 99     |
| 72) Anthracene             | 17.58 | 178 | 49811   | 4.23 ng/ul  | 99     |
| 77) Fluoranthene           | 19.49 | 202 | 383103  | 27.26 ng/ul | 100    |
| 80) Pyrene                 | 19.86 | 202 | 611499  | 41.23 ng/ul | 99     |
| 83) Benzo(a)anthracene     | 21.70 | 228 | 355363  | 23.72 ng/ul | 92     |
| 85) Chrysene               | 21.76 | 228 | 444207  | 31.50 ng/ul | 95     |
| 88) Benzo(b)fluoranthene   | 23.95 | 252 | 549656  | 36.98 ng/ul | 100    |
| 89) Benzo(k)fluoranthene   | 24.00 | 252 | 185421m | 13.02 ng/ul | 97     |
| 91) Benzo(a)pyrene         | 24.84 | 252 | 458494  | 32.10 ng/ul | 97     |
| 92) Indeno(1,2,3-cd)pyrene | 28.72 | 276 | 365466  | 21.45 ng/ul | 95     |
| 93) Dibenzo(a,h)anthracene | 28.75 | 278 | 110988  | 7.81 ng/ul  | 95     |
| 94) Benzo(g,h,i)perylene   | 29.90 | 276 | 445057  | 31.79 ng/ul | 99     |

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