

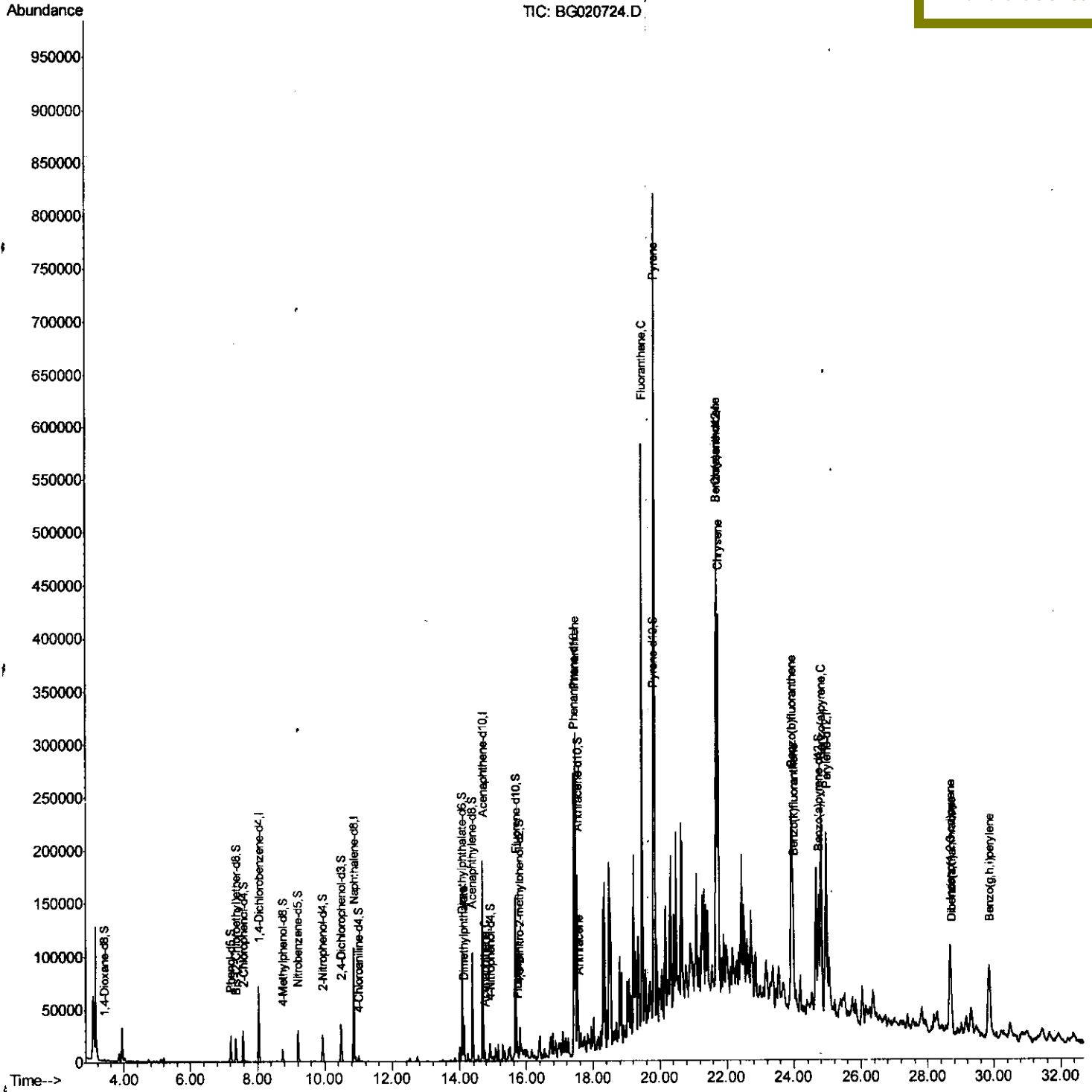
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011316\  
Data File : BG020724.D  
Acq On : 14 Jan 2016 6:46  
Operator : SJ/IZ  
Sample : H1096-08  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 14 11:29:12 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 13 07:56:00 2016  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampleId :  
BC938

Manual Integrations  
APPROVED

MMdadoda  
1/14/2016 5:57:50 PM



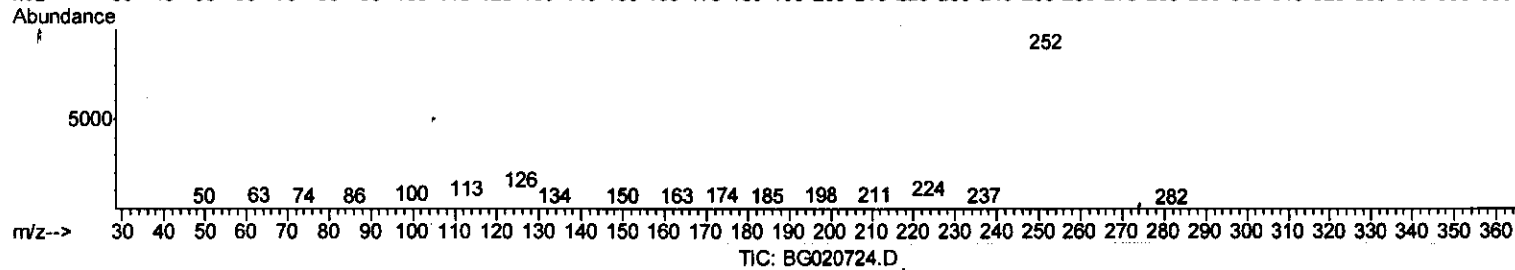
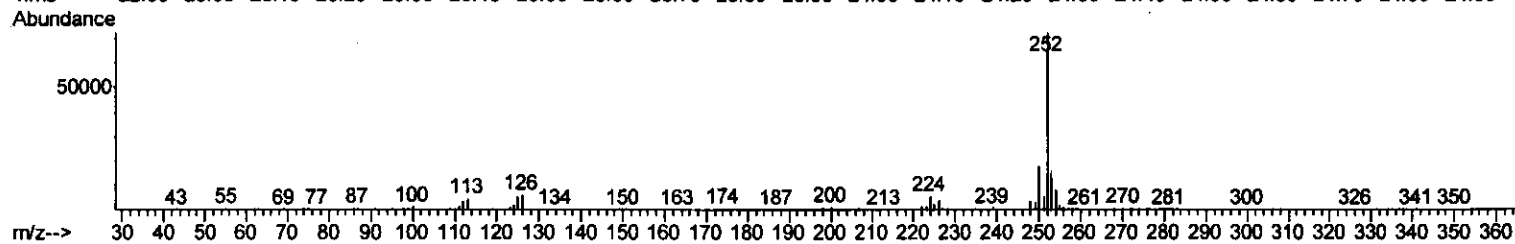
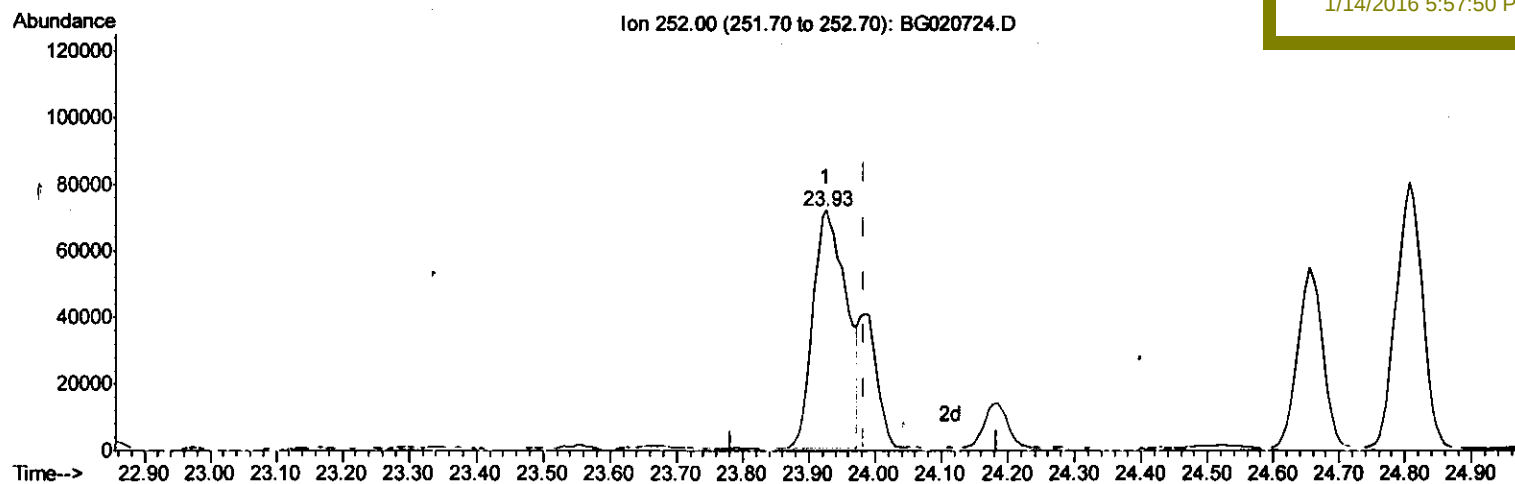
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Quant Time: Jan 14 11:27:44 2016  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 13 07:56:00 2016  
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Instrument :  
BNA\_G  
ClientSampled :  
BC938

Manual Integrations  
APPROVED

MMdadoda  
1/14/2016 5:57:50 PM



(89) Benzo(k)fluoranthene

23.926min (-0.058) 21.15ng/ul

response 256725

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 21.90 |
| 125.00 | 6.70  | 7.44  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

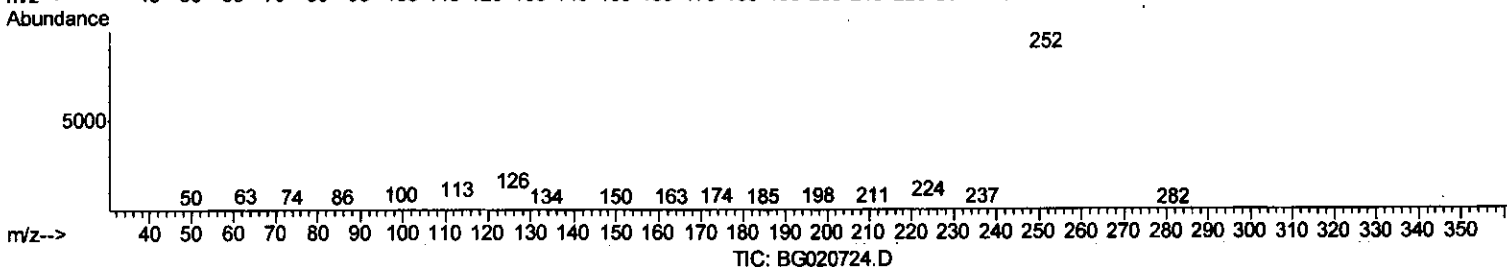
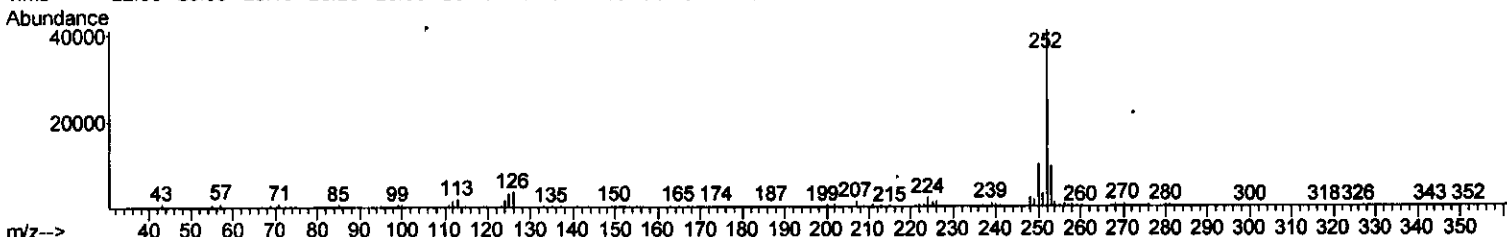
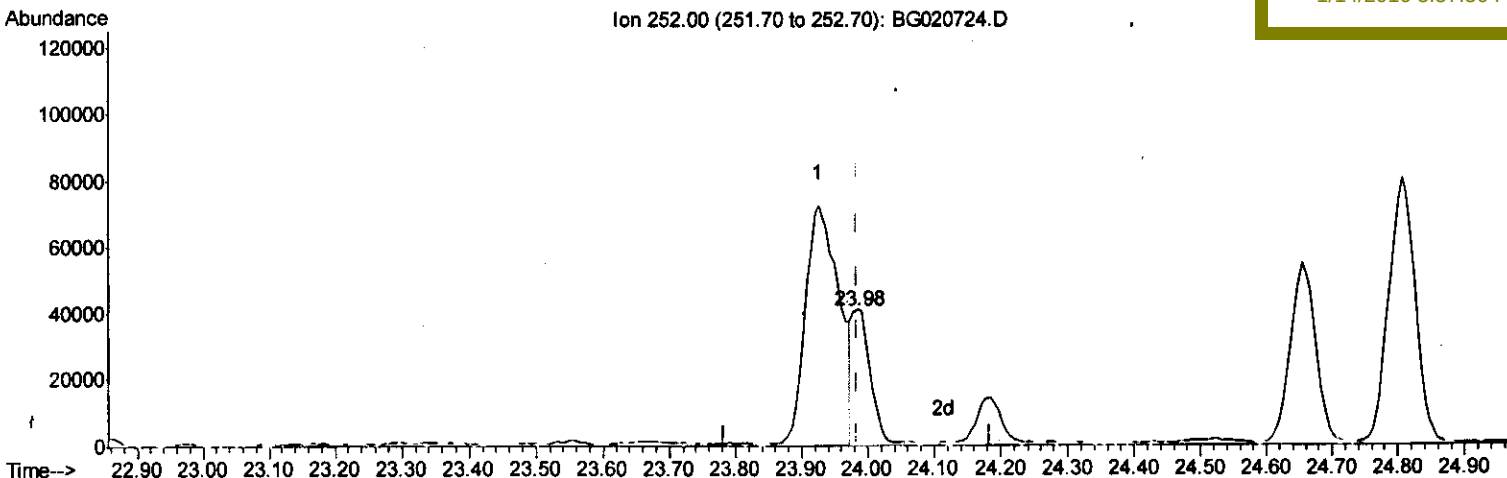
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Instrument :  
 BNA\_G  
 ClientSampled :  
 BC938

Manual Integrations  
 APPROVED

MMdadoda  
 1/14/2016 5:57:50 PM

Quant Time: Jan 14 11:27:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 13 07:56:00 2016  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

23.985min (+0.001) 6.37ng/ul m

response 77347

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.48 |
| 125.00 | 6.70  | 8.88# |
| 0.00   | 0.00  | 0.00  |

*S. J*  
*1/15/16*

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011316\  
 Data File : BG020724.D  
 Acq On : 14 Jan 2016 6:46  
 Operator : SJ/IZ  
 Sample : H1096-08  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 Client Sampled :  
 BC938

Manual Integrations  
 APPROVED

MMdadoda  
 1/14/2016 5:57:50 PM

Quant Time: Jan 14 11:29:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 21407    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.86 | 136  | 93238    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.68 | 164  | 67864    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.43 | 188  | 167140   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.70 | 240  | 199629   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.96 | 264  | 190827   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 626    | 1.43  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.20  | 99  | 16361  | 8.92  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.36  | 67  | 11860  | 10.75 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.57  | 132 | 14874  | 10.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.76  | 113 | 5728   | 3.70  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.21  | 128 | 8384   | 11.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.94  | 143 | 9099   | 10.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.48 | 165 | 16178  | 9.94  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.01 | 131 | 5769   | 3.58  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.08 | 166 | 66872  | 11.29 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.38 | 160 | 78941  | 11.87 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.90 | 143 | 5093   | 6.40  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.67 | 176 | 62907  | 11.92 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.81 | 200 | 8175   | 8.99  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.53 | 188 | 99843  | 12.19 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.81 | 212 | 116710 | 12.29 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.74 | 264 | 126340 | 12.42 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |        | Qvalue |
|----------------------------|-------|-----|--------|-------|--------|--------|
| 45) Dimethylphthalate      | 14.13 | 163 | 22730  | 3.57  | ng/ul  | 99     |
| 50) Acenaphthene           | 14.74 | 153 | 4989   | 1.03  | ng/ul  | 95     |
| 59) Fluorene               | 15.72 | 166 | 7055   | 1.19  | ng/ul  | 97     |
| 70) Phenanthrene           | 17.47 | 178 | 200932 | 20.21 | ng/ul  | 99     |
| 72) Anthracene             | 17.56 | 178 | 22157  | 2.21  | ng/ul  | 98     |
| 77) Fluoranthene           | 19.48 | 202 | 363028 | 30.03 | ng/ul  | 99     |
| 80) Pyrene                 | 19.84 | 202 | 513296 | 40.55 | ng/ul  | 98     |
| 83) Benzo(a)anthracene     | 21.69 | 228 | 223455 | 17.94 | ng/ul  | 97     |
| 85) Chrysene               | 21.75 | 228 | 265669 | 22.56 | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene   | 23.93 | 252 | 256725 | 20.88 | ng/ul# | 99     |
| 89) Benzo(k)fluoranthene   | 23.98 | 252 | 77347m | 6.37  | ng/ul  | 98     |
| 91) Benzo(a)pyrene         | 24.81 | 252 | 221879 | 18.76 | ng/ul  | 98     |
| 92) Indeno(1,2,3-cd)pyrene | 28.68 | 276 | 141004 | 10.10 | ng/ul  | 98     |
| 93) Dibenzo(a,h)anthracene | 28.71 | 278 | 41765  | 3.63  | ng/ul# | 92     |
| 94) Benzo(g,h,i)perylene   | 29.86 | 276 | 146581 | 12.73 | ng/ul  | 98     |

S.J  
 1/15/16

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