

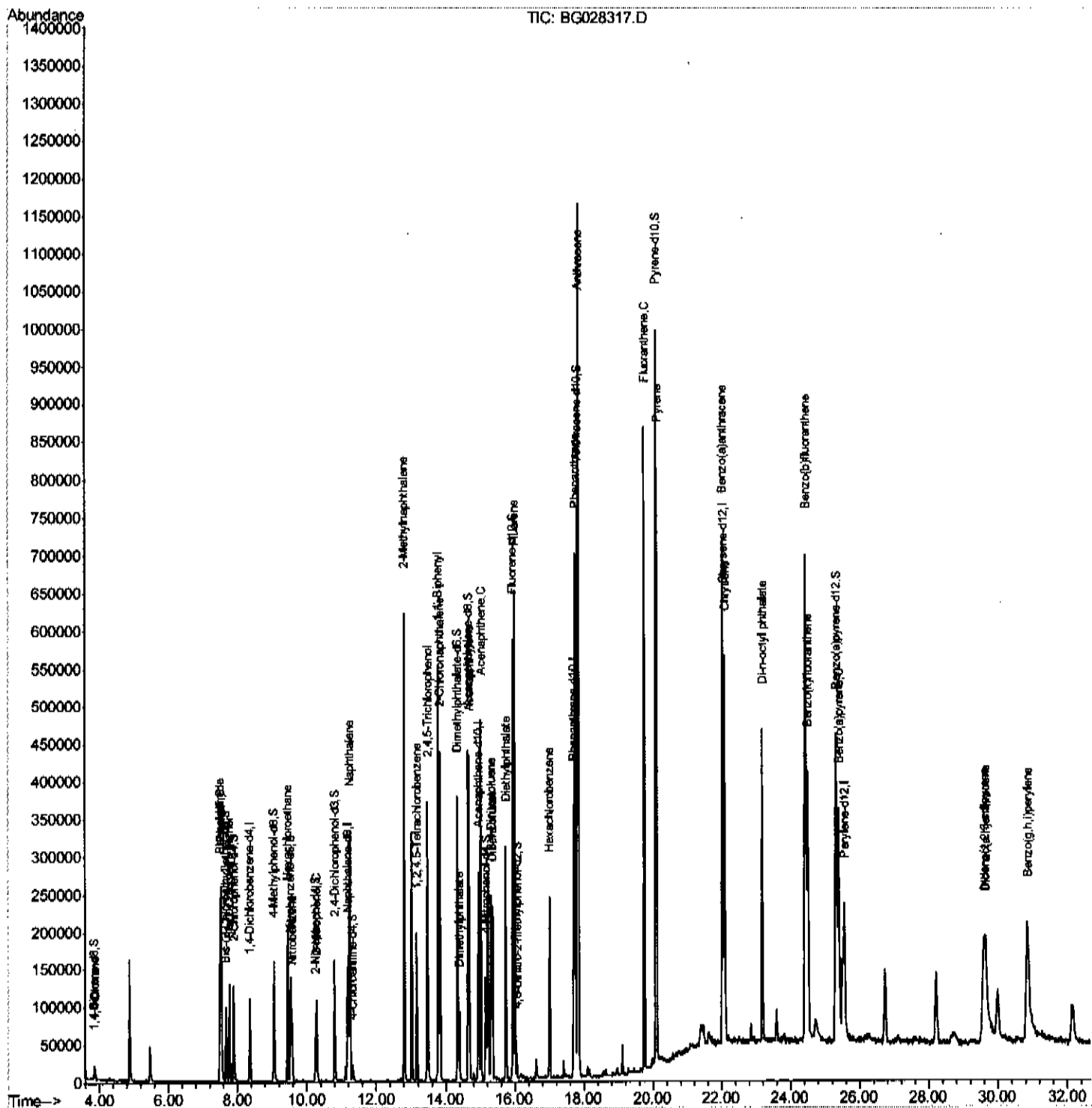
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081417\  
Data File : BG028317.D  
Acq On : 14 Aug 2017 17:55  
Operator : SJ/JU  
Sample : I4489-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
X2A57

Manual Integrations  
APPROVED

Sohil  
8/15/2017 6:01:25 PM

Quant Time: Aug 15 06:18:57 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 15 06:10:38 2017  
Response via : Initial Calibration



# Quantitation Report (Qedit)

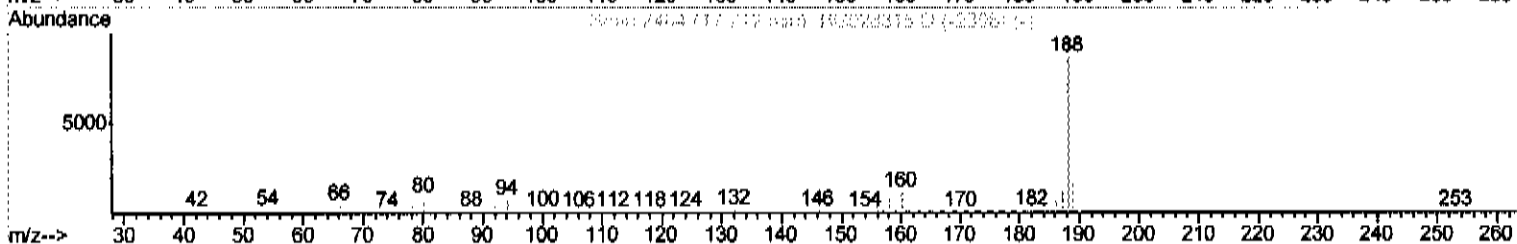
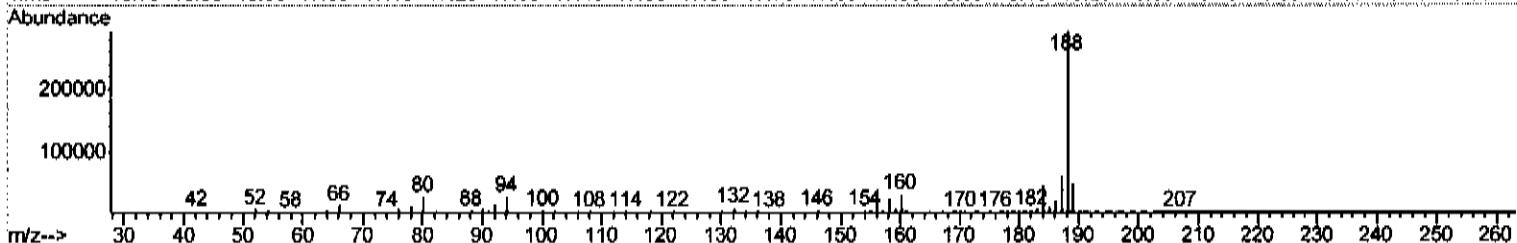
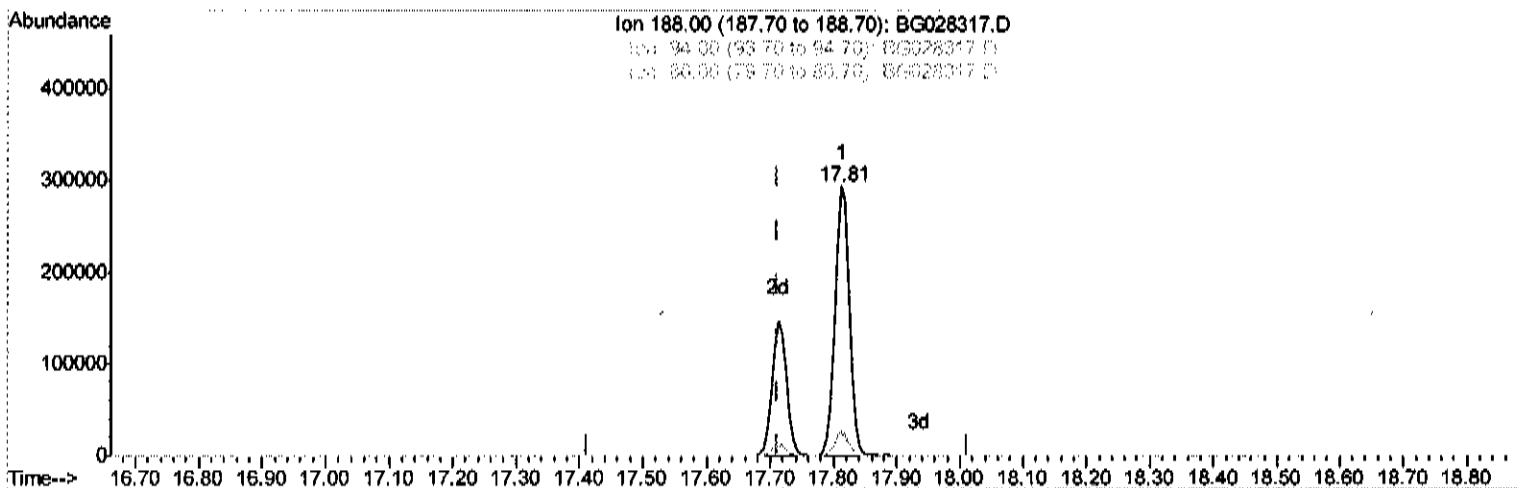
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TIC: BG028317.D

(61) Phenanthrene-d10 (I)

17.813min (+0.101) 20.00ng/ul

response 465386

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 8.80 | 8.83 |
| 80.00  | 9.50 | 8.90 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

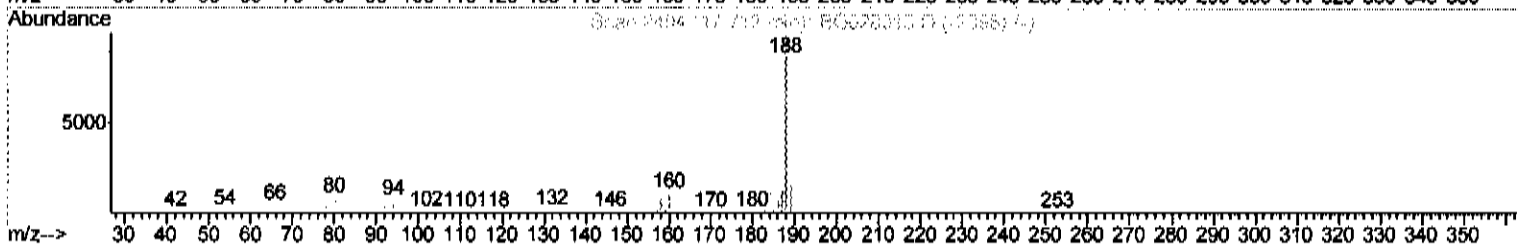
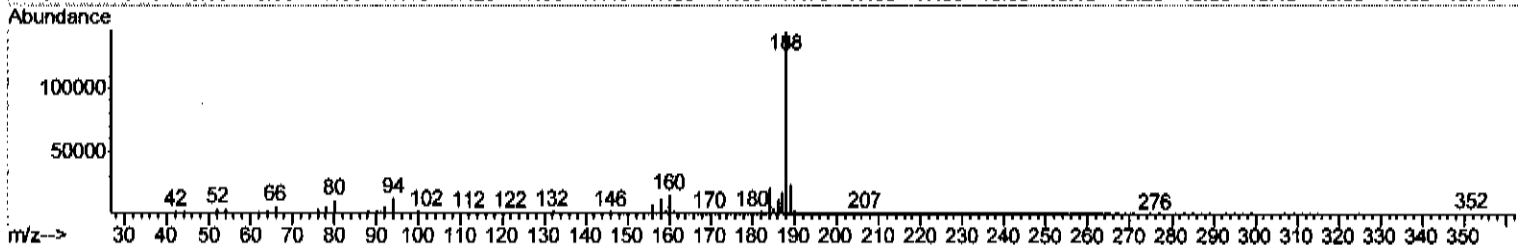
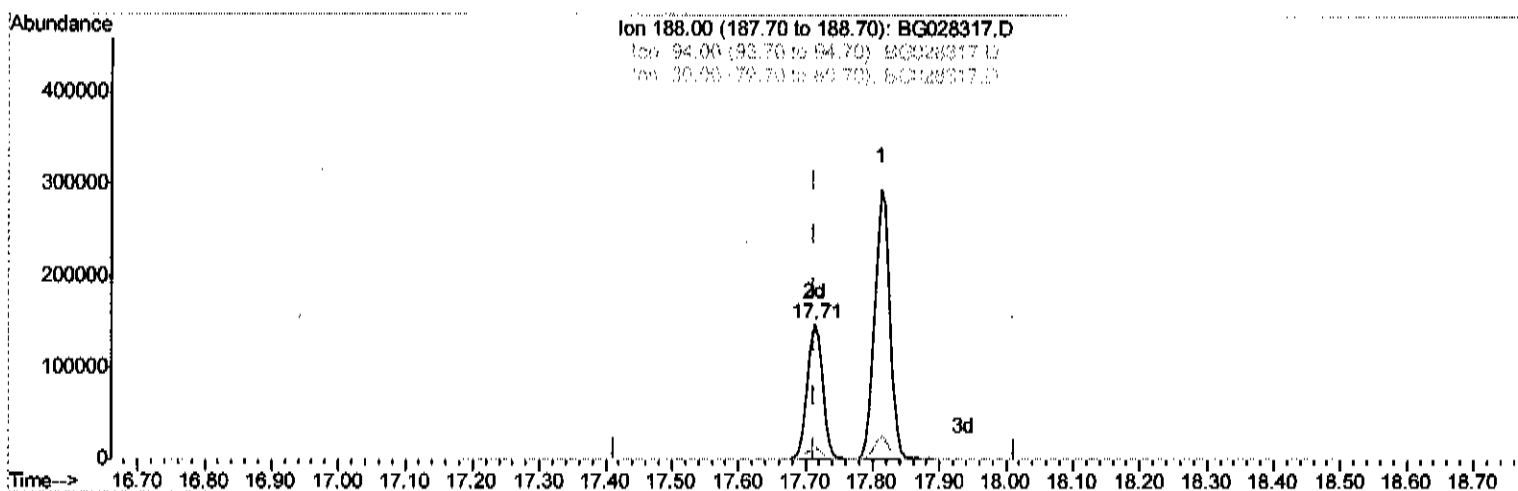
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TIC: BG028317.D

(61) Phenanthrene-d10 (I)

17.713min (+0.001) 20.00ng/ul m

response 234426

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 8.04  |
| 80.00  | 9.50 | 7.27# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

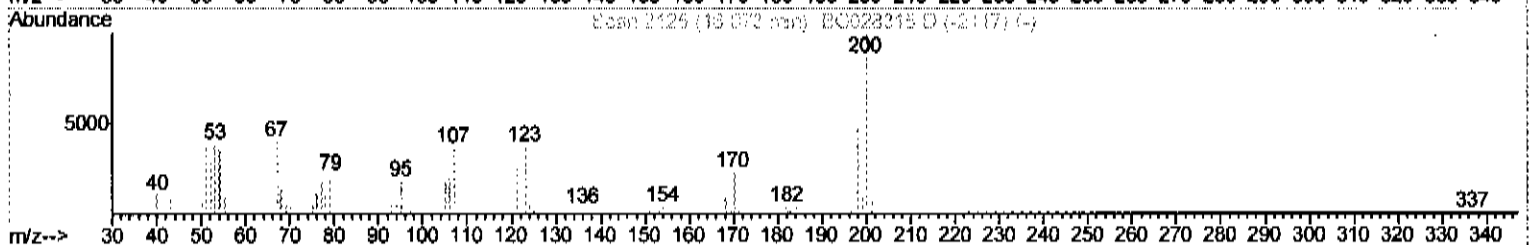
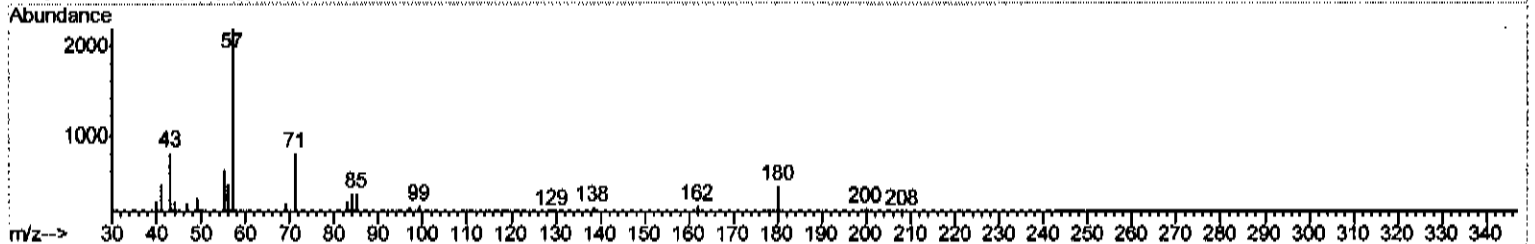
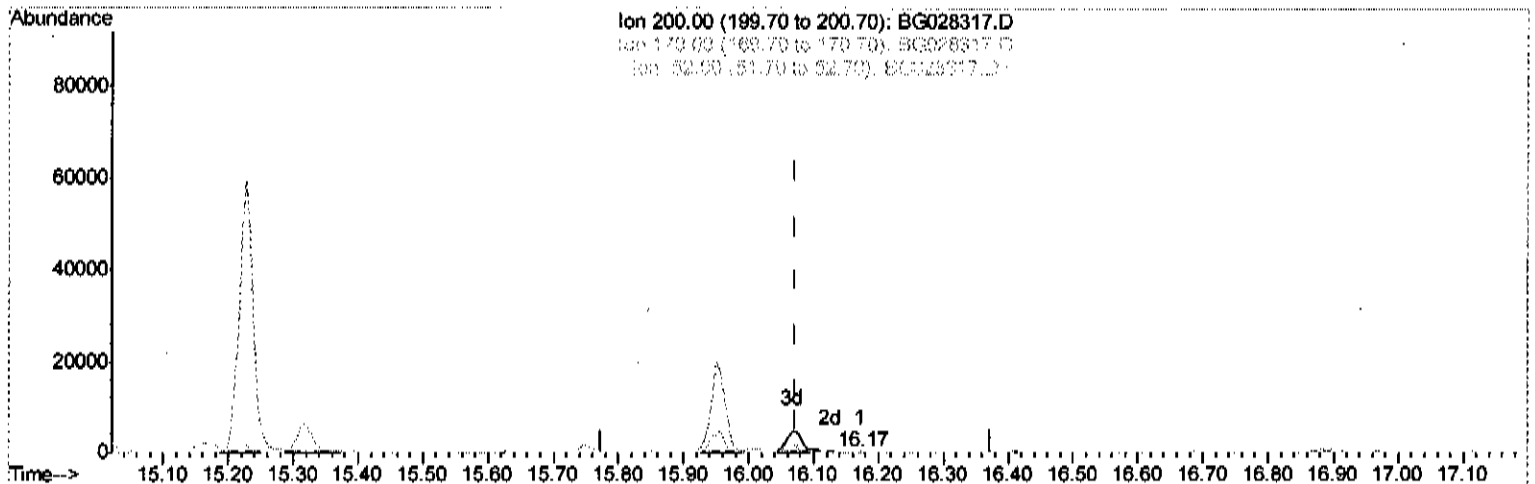
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081417\  
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TIC: BG028317.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.173min (+0.101) 0.04ng/ul

response 67

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 0.00#  |
| 52.00  | 47.20 | 85.26# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

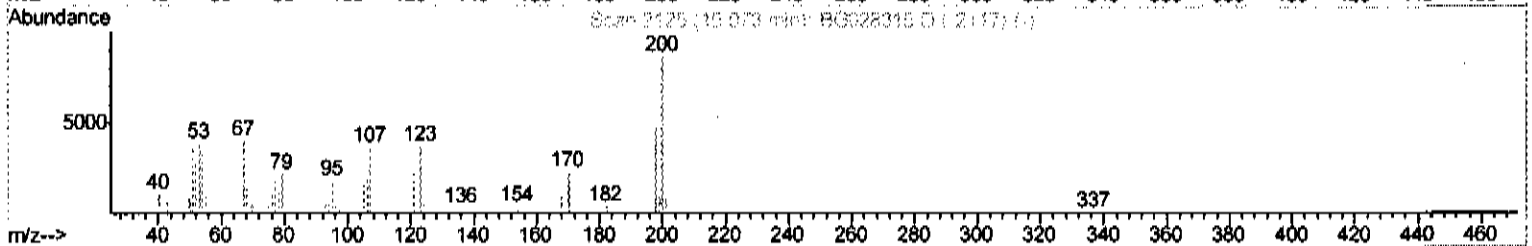
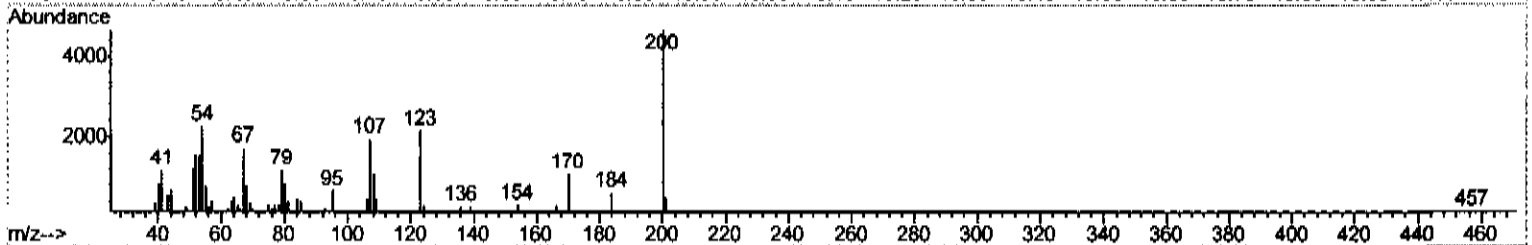
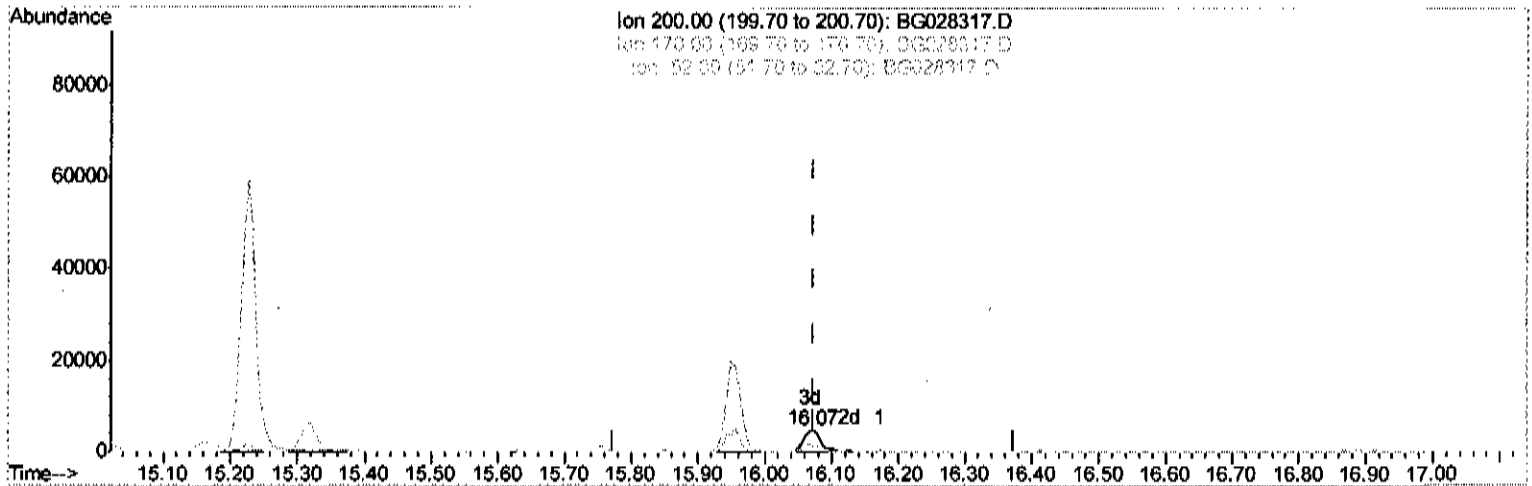
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 Acq On : 14 Aug 2017 17:55  
 Operator : SJ/JU  
 Sample : I4489-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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TIC: BG028317.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.068min (-0.005) 5.43ng/ul m

response 8266

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 23.48  |
| 52.00  | 47.20 | 33.66# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

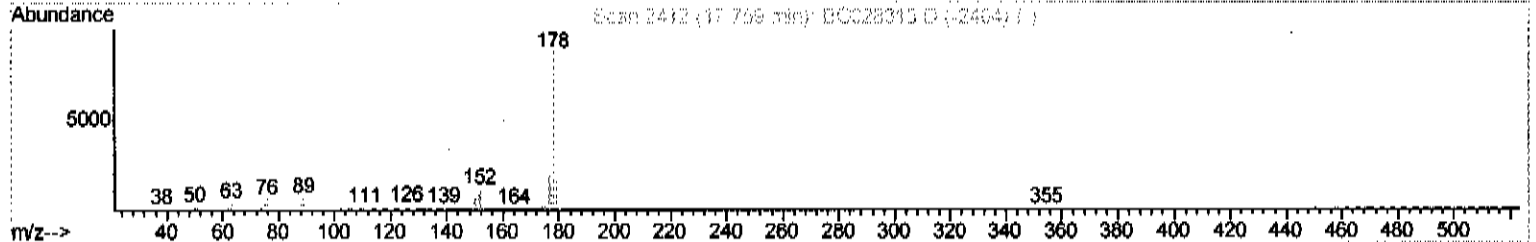
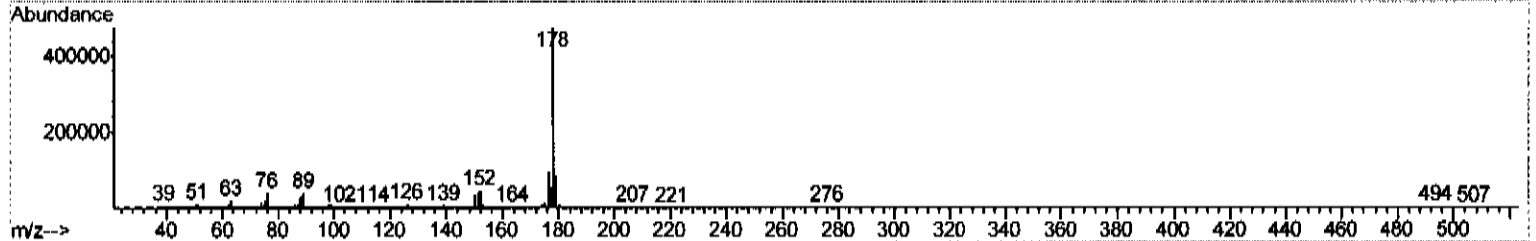
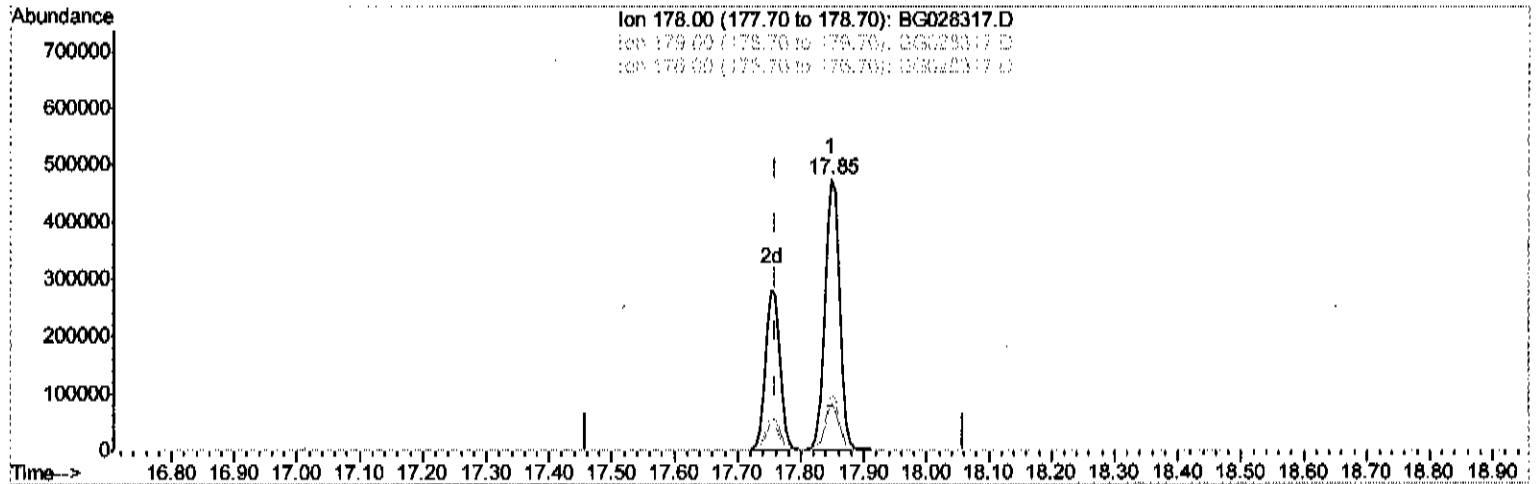
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 Data File : BG028317.D  
 Acq On : 14 Aug 2017 17:55  
 Operator : SJ/JU  
 Sample : I4489-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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TIC: BG028317.D

(69) Phenanthrene

17.848min (+0.089) 64.60ng/ul

response 762170

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.50 | 17.30 |
| 176.00 | 20.60 | 20.12 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

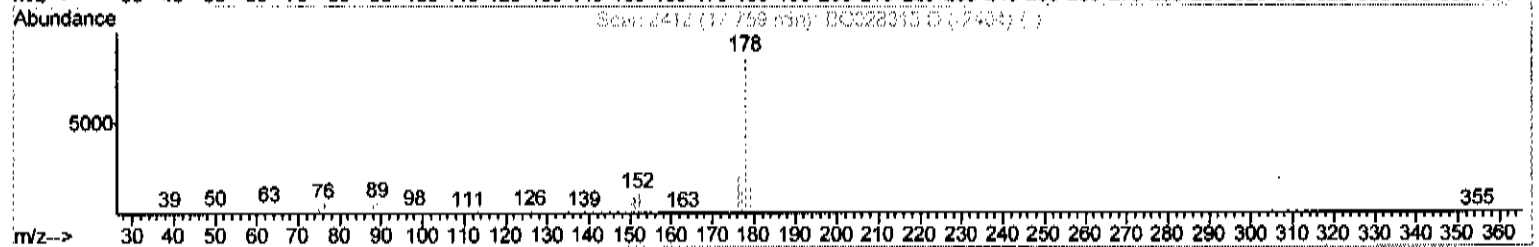
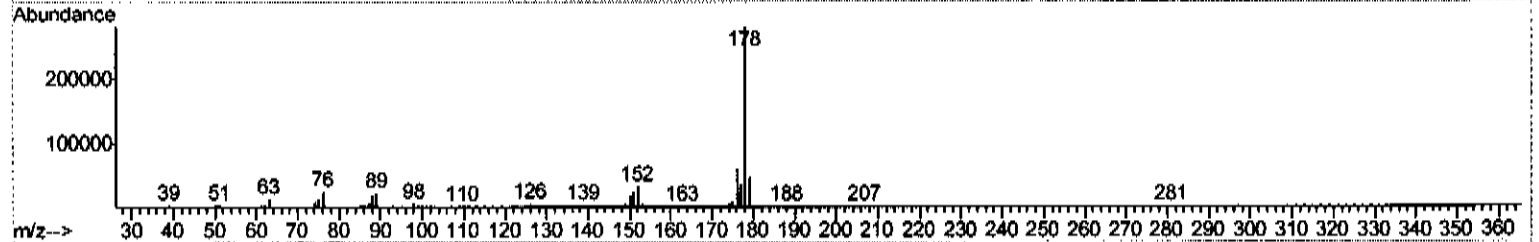
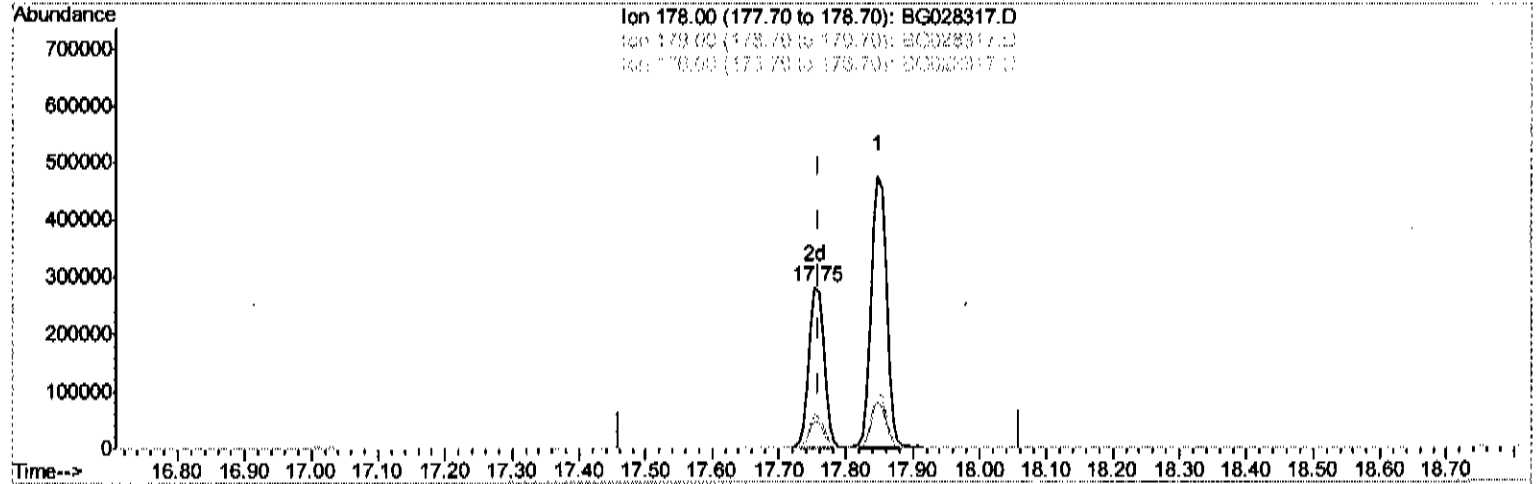
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 Misc :  
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Instrument :  
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TIC: BG028317.D

(69) Phenanthrene

17.754min (-0.005) 37.83ng/ul m

response 446309

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.50 | 16.70 |
| 176.00 | 20.60 | 20.98 |
| 0.00   | 0.00  | 0.00  |

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Instrument :  
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 ClientSampled :  
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Manual Integrations  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.36  | 152  | 28947    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.18 | 136  | 135574   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.96 | 164  | 98406    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.71 | 188  | 234426m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.05 | 240  | 256515   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.56 | 264  | 228228   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.84  | 96  | 2350   | 3.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.51  | 99  | 81879  | 25.75 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.67  | 67  | 53409  | 26.53 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.89  | 132 | 58262  | 29.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.05  | 113 | 65509  | 24.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.53  | 128 | 31676  | 29.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.25 | 143 | 25194  | 21.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.80 | 165 | 68382  | 28.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.31 | 131 | 12460  | 4.65  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.35 | 166 | 261721 | 29.90 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.66 | 160 | 313169 | 31.74 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.16 | 143 | 24303  | 17.46 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.96 | 176 | 243904 | 31.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 8266m  | 5.43  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.81 | 188 | 465386 | 41.40 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.09 | 212 | 545526 | 41.47 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.32 | 264 | 485729 | 45.46 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.88  | 88  | 8403    | 12.87 | ng/uL# | 77     |
| 4) Benzaldehyde                | 7.50  | 77  | 52492   | 28.57 | ng/ul  | 95     |
| 6) Phenol                      | 7.54  | 94  | 136305  | 43.14 | ng/ul  | 89     |
| 8) Bis(2-Chloroethyl)ether     | 7.77  | 93  | 69094   | 32.10 | ng/ul  | 88     |
| 17) Hexachloroethane           | 9.45  | 117 | 40909   | 50.51 | ng/ul  | 94     |
| 20) Nitrobenzene               | 9.57  | 77  | 57559   | 18.76 | ng/ul  | 97     |
| 23) 2-Nitrophenol              | 10.29 | 139 | 29778   | 25.38 | ng/ul  | 90     |
| 28) Naphthalene                | 11.23 | 128 | 273874  | 40.79 | ng/ul  | 96     |
| 34) 2-Methylnaphthalene        | 12.81 | 142 | 295436  | 54.78 | ng/ul  | 91     |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.17 | 216 | 66889   | 21.09 | ng/ul# | 87     |
| 39) 2,4,5-Trichlorophenol      | 13.48 | 196 | 112833  | 52.36 | ng/ul  | 93     |
| 40) 1,1'-Biphenyl              | 13.80 | 154 | 287871  | 40.05 | ng/ul  | 99     |
| 41) 2-Chloronaphthalene        | 13.85 | 162 | 221990  | 39.08 | ng/ul  | 95     |
| 44) Dimethylphthalate          | 14.40 | 163 | 57977   | 7.19  | ng/ul  | 98     |
| 47) Acenaphthylene             | 14.69 | 152 | 314960  | 33.40 | ng/ul  | 98     |
| 49) Acenaphthene               | 15.03 | 153 | 204688  | 32.17 | ng/ul  | 95     |
| 52) 4-Nitrophenol              | 15.17 | 109 | 20283   | 14.07 | ng/ul  | 88     |
| 53) Dibenzofuran               | 15.36 | 168 | 157197  | 16.94 | ng/ul  | 93     |
| 54) 2,4-Dinitrotoluene         | 15.32 | 165 | 72758   | 28.85 | ng/ul# | 90     |
| 56) Diethylphthalate           | 15.75 | 149 | 171714  | 18.16 | ng/ul  | 98     |
| 58) Fluorene                   | 16.01 | 166 | 300993  | 36.65 | ng/ul  | 97     |
| 66) Hexachlorobenzene          | 17.02 | 284 | 55359   | 20.64 | ng/ul  | 99     |
| 69) Phenanthrene               | 17.75 | 178 | 446309m | 37.83 | ng/ul  | 99     |

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 QLast Update : Tue Aug 15 06:10:38 2017  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 71) Anthracene             | 17.85 | 178  | 762170   | 63.21 | ng/ul  | 98       |
| 74) Fluoranthene           | 19.75 | 202  | 547996   | 38.22 | ng/ul  | 99       |
| 77) Pyrene                 | 20.12 | 202  | 498867   | 32.60 | ng/ul  | 99       |
| 80) Benzo(a)anthracene     | 22.03 | 228  | 451439   | 30.46 | ng/ul  | 99       |
| 82) Chrysene               | 22.10 | 228  | 370036   | 27.72 | ng/ul  | 96       |
| 84) Di-n-octyl phthalate   | 23.18 | 149  | 385190   | 28.16 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene   | 24.44 | 252  | 750062   | 54.92 | ng/ul# | 99       |
| 86) Benzo(k)fluoranthene   | 24.50 | 252  | 407464   | 30.54 | ng/ul# | 99       |
| 88) Benzo(a)pyrene         | 25.39 | 252  | 398456   | 30.13 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene | 29.60 | 276  | 384186   | 24.81 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene | 29.65 | 278  | 201331   | 15.51 | ng/ul  | 93       |
| 91) Benzo(g,h,i)perylene   | 30.86 | 276  | 476995   | 37.44 | ng/ul  | 95       |

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