

(QT Reviewed)

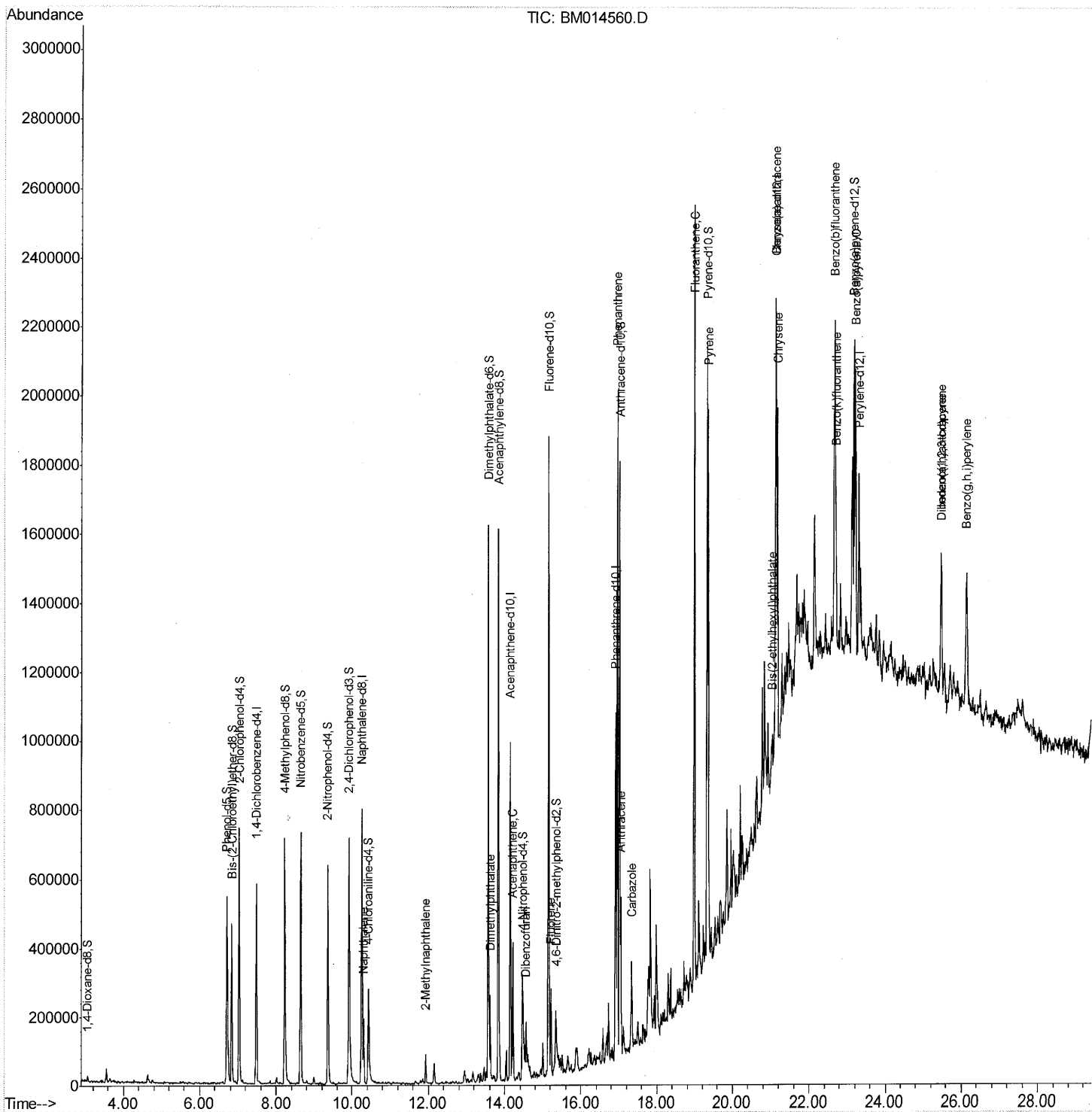
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\  
Data File : BM014560.D  
Acq On : 14 Mar 2018 01:29  
Operator : SJ/JU  
Sample : J1813-05  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
F6F21

## Manual Integrations

Sohil  
3/14/2018 1:36:13 PM

Quant Time: Mar 14 04:01:34 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Mar 14 02:08:18 2018  
Response via : Initial Calibration



# Quantitation Report (Qedit)

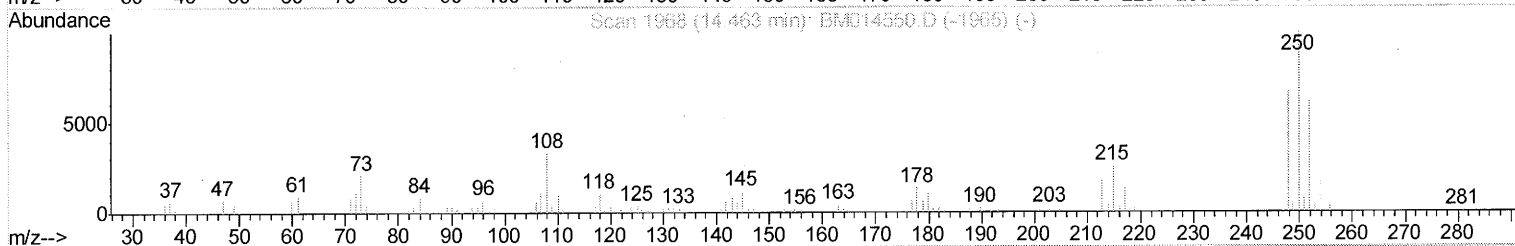
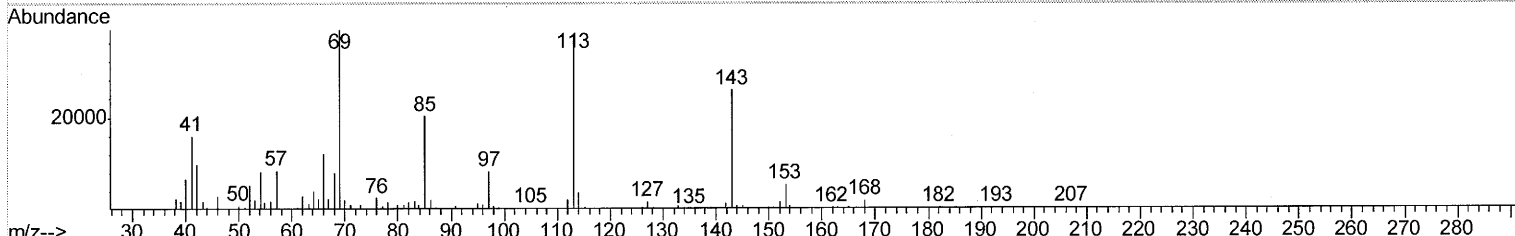
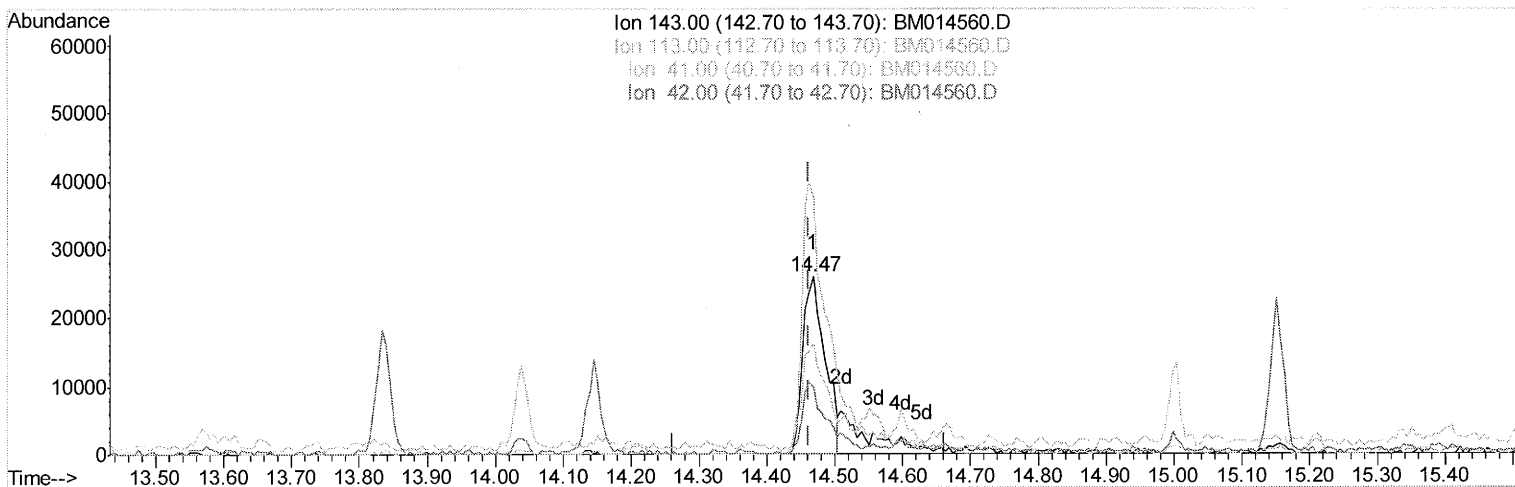
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Manual Integrations  
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 3/14/2018 1:36:13 PM

Quant Time: Mar 14 03:57:51 2018  
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 Response via : Initial Calibration



TIC: BM014560.D

(51) 4-Nitrophenol-d4 (S)

14.468min (+0.006) 18.31ng/ul

response 58847

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 143.00 | 100    | 100     |
| 113.00 | 114.60 | 145.11# |
| 41.00  | 34.80  | 61.81#  |
| 42.00  | 20.50  | 37.42#  |

# Quantitation Report (Qedit)

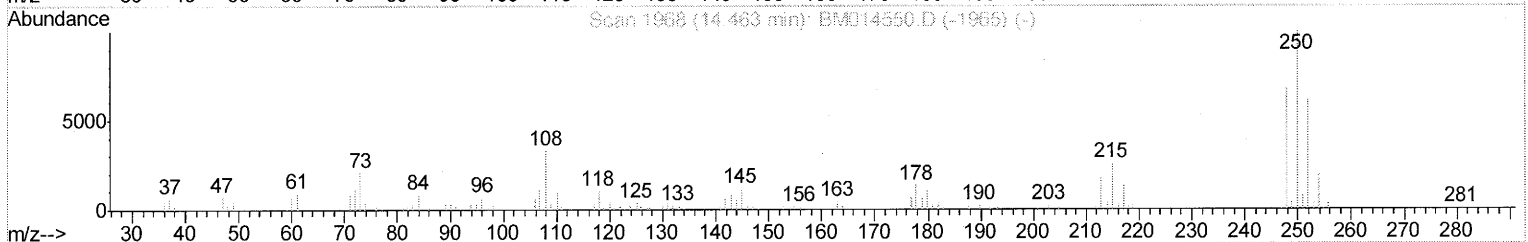
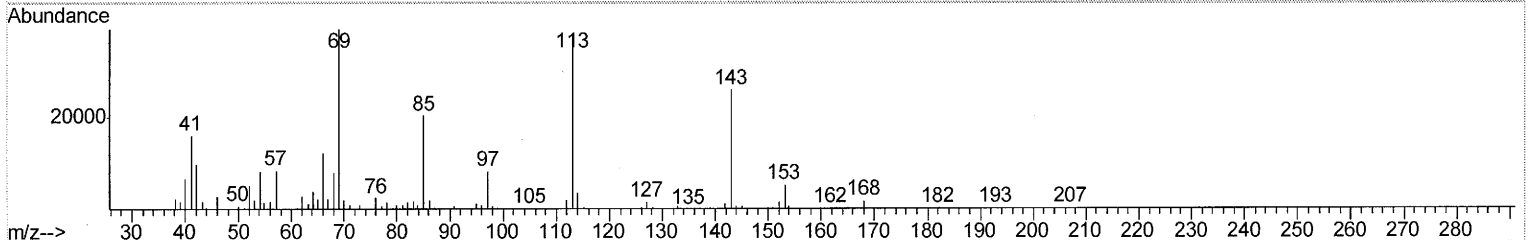
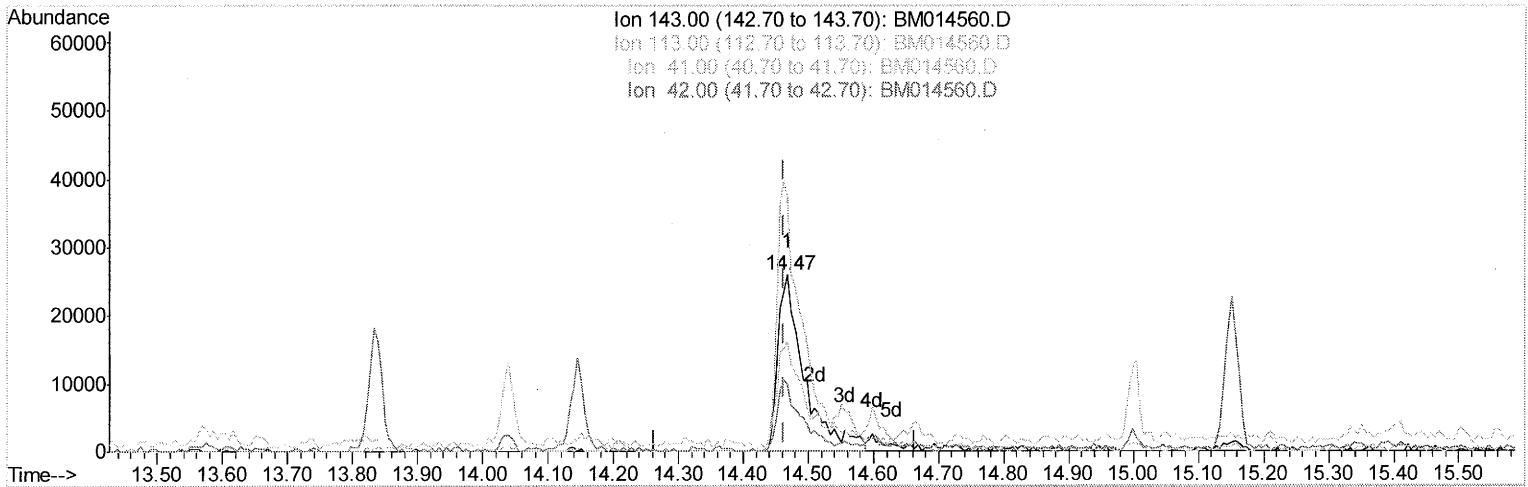
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6F21

Manual Integrations  
 APPROVED

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 3/14/2018 1:36:13 PM

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 Response via : Initial Calibration



TIC: BM014560.D

(51) 4-Nitrophenol-d4 (S)

14.468min (+0.006) 22.95ng/ul m

SJ 3/14/18

response 73792

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 143.00 | 100    | 100     |
| 113.00 | 114.60 | 145.11# |
| 41.00  | 34.80  | 61.81#  |
| 42.00  | 20.50  | 37.42#  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\  
 Data File : BM014560.D  
 Acq On : 14 Mar 2018 01:29  
 Operator : SJ/JU  
 Sample : J1813-05  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6F21

Manual Integrations  
 APPROVED

Sohil  
 3/14/2018 1:36:13 PM

Ouant Time: Mar 14 04:01:34 2018  
 Ouant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 14 02:08:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 132899   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.25 | 136  | 550586   | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.14 | 164  | 281948   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.92 | 188  | 484038   | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.14 | 240  | 324745   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.31 | 264  | 324203   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 9023   | 2.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.70  | 99  | 302912 | 26.97 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.83  | 67  | 187889 | 27.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.03  | 132 | 256696 | 29.80 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.22  | 113 | 251810 | 25.62 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.65  | 128 | 130851 | 32.16 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.36  | 143 | 140655 | 33.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.92  | 165 | 268541 | 30.79 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.43 | 131 | 161703 | 18.82 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.57 | 166 | 837900 | 35.99 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.84 | 160 | 976259 | 34.00 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.47 | 143 | 73792m | 22.95 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.15 | 176 | 618864 | 29.67 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 26634  | 9.17  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.02 | 188 | 779758 | 33.39 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.33 | 212 | 624009 | 37.26 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12         | 23.18 | 264 | 524029 | 33.21 | ng/ul | 0.02 |

SJ 3/14/18

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 28) Naphthalene                | 10.30 | 128 | 135934  | 4.807  | ng/ul  | 96  |
| 34) 2-Methylnaphthalene        | 11.93 | 142 | 38592   | 1.793  | ng/ul  | 98  |
| 44) Dimethylphthalate          | 13.62 | 163 | 114657  | 4.994  | ng/ul# | 96  |
| 49) Acenaphthene               | 14.21 | 153 | 134896  | 7.059  | ng/ul  | 94  |
| 53) Dibenzofuran               | 14.56 | 168 | 71522   | 2.496  | ng/ul  | 98  |
| 58) Fluorene                   | 15.21 | 166 | 95677   | 3.868  | ng/ul# | 99  |
| 69) Phenanthrene               | 16.96 | 178 | 997030  | 35.751 | ng/ul  | 98  |
| 71) Anthracene                 | 17.05 | 178 | 252350  | 8.997  | ng/ul  | 98  |
| 72) Carbazole                  | 17.34 | 167 | 131784  | 5.588  | ng/ul# | 96  |
| 74) Fluoranthene               | 18.99 | 202 | 1102699 | 33.095 | ng/ul# | 97  |
| 77) Pyrene                     | 19.36 | 202 | 887878  | 41.140 | ng/ul  | 97  |
| 80) Benzo(a)anthracene         | 21.12 | 228 | 538743  | 26.582 | ng/ul  | 98  |
| 81) Bis(2-ethylhexyl)phthalate | 21.04 | 149 | 39327   | 3.077  | ng/ul# | 95  |
| 82) Chrysene                   | 21.17 | 228 | 499200  | 26.403 | ng/ul  | 95  |
| 85) Benzo(b)fluoranthene       | 22.67 | 252 | 767654  | 35.363 | ng/ul# | 98  |
| 86) Benzo(k)fluoranthene       | 22.71 | 252 | 212819  | 10.311 | ng/ul# | 96  |
| 88) Benzo(a)pyrene             | 23.22 | 252 | 507651  | 26.170 | ng/ul# | 96  |
| 89) Indeno(1,2,3-cd)pyrene     | 25.48 | 276 | 357363  | 18.985 | ng/ul  | 100 |
| 90) Dibenzo(a,h)anthracene     | 25.47 | 278 | 105292  | 6.732  | ng/ul# | 80  |
| 91) Benzo(g,h,i)perylene       | 26.15 | 276 | 315496  | 20.690 | ng/ul# | 92  |

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