

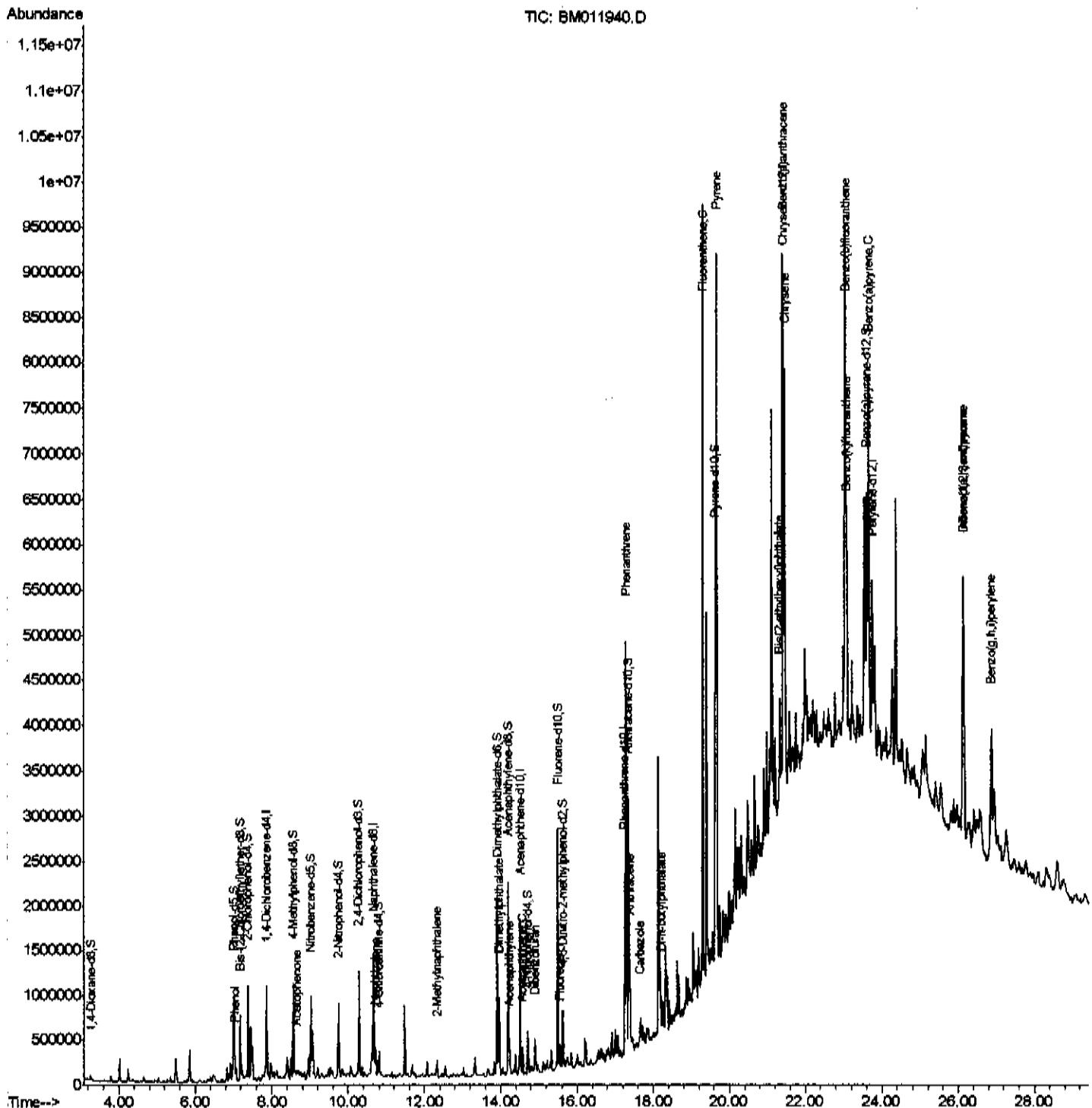
**Instrument :**  
BNA\_M  
**ClientSampleId :**  
B-60(FILL)-092617

```
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\
Data File : BM011940.D
Acq On    : 06 Oct 2017 15:10
Operator  : SJ/JU
Sample    : I5449-03
Misc      :
ALS Vial  : 4      Sample Multiplier: 1
```

## Manual Integrations

Sohil  
10/9/2017 6:38:47 PM

Quant Time: Oct 07 04:26:49 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
OLast Update : Sat Oct 07 04:15:28 2017  
Response via : Initial Calibration



# Quantitation Report (Qedit)

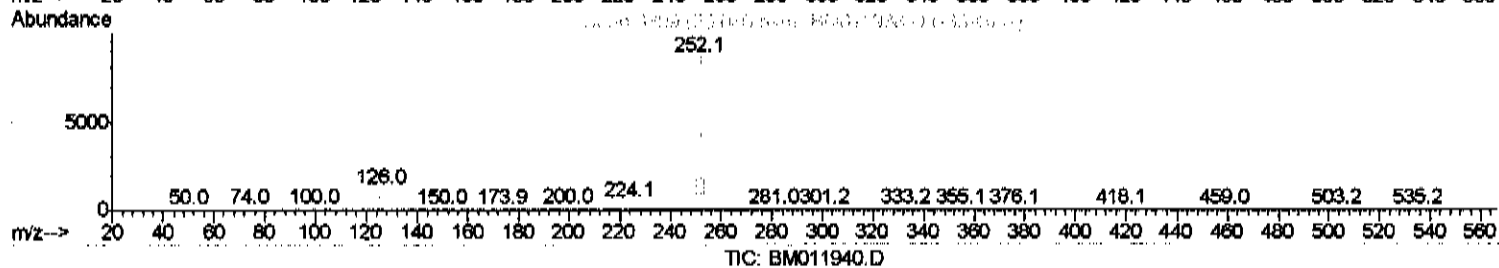
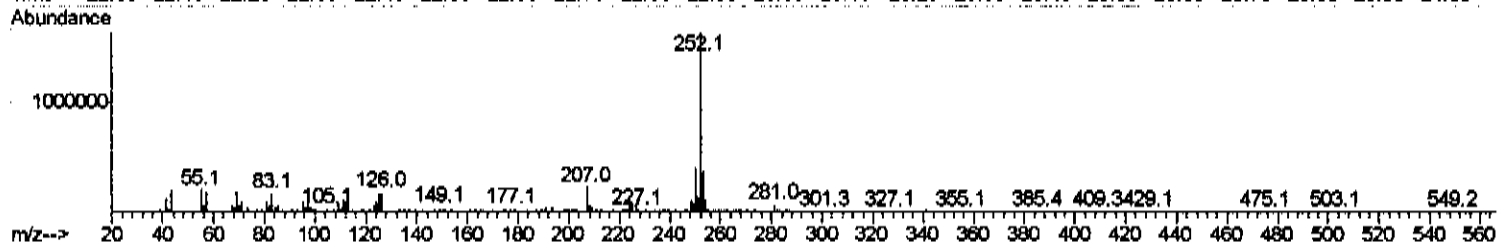
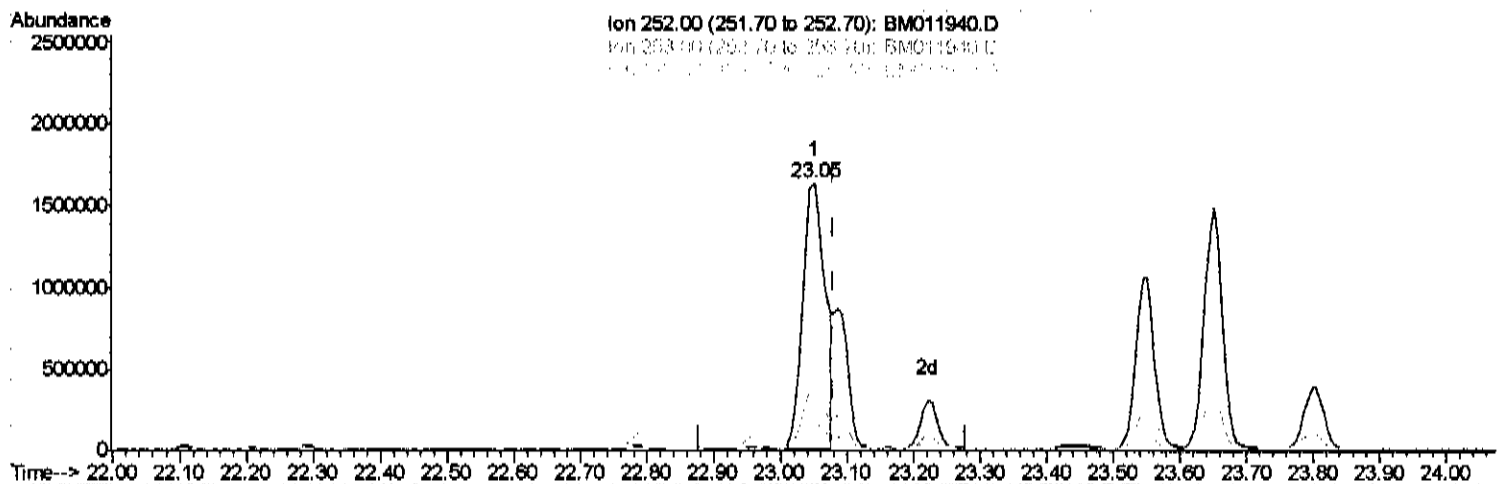
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 B-60(FILL)-092617

Manual Integrations  
 APPROVED

Sohil  
 10/9/2017 6:38:47 PM

Quant Time: Oct 07 04:15:59 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 04:15:28 2017  
 Response via : Initial Calibration



(96) Benzo(k)fluoranthene

23.050min (-0.030) 45.97ng/ul

response 3768064

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.87  |
| 125.00 | 4.30  | 10.37% |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

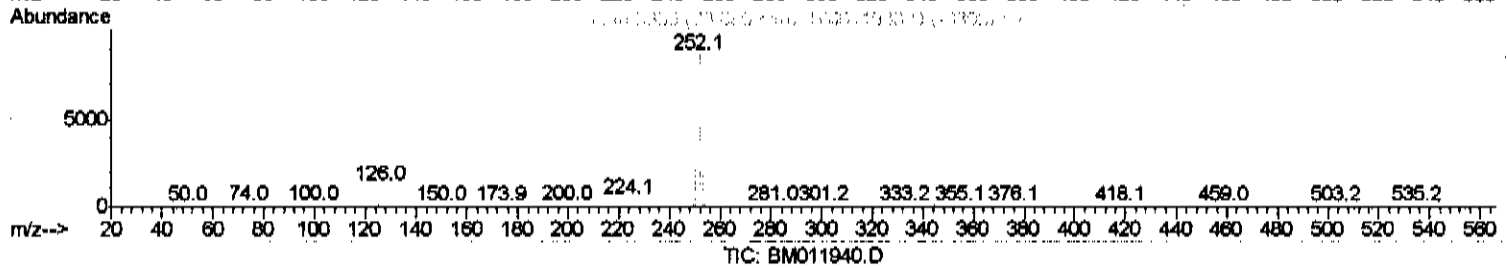
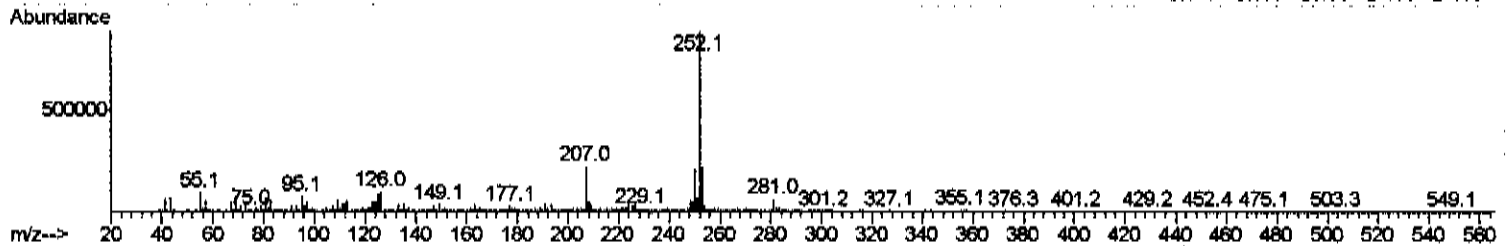
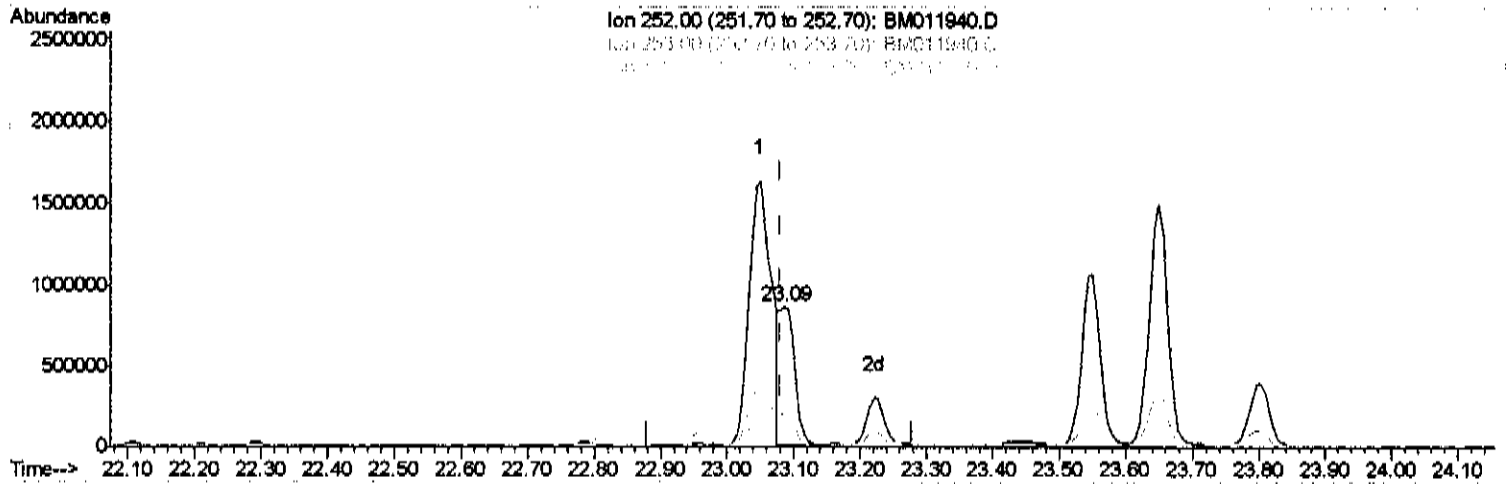
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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations  
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 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.086min (+0.006) 16.81ng/ul m

response 1378192

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.38 |
| 125.00 | 4.30  | 9.45# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (QT Reviewed)

Instrument :  
BNA\_M  
ClientSampleId :  
B-60(FILL)-092617

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\  
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Operator : SJ/JU  
Sample : I5449-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Manual Integrations  
APPROVED

Sohil  
10/9/2017 6:38:47 PM

Quant Time: Oct 07 04:26:49 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 07 04:15:28 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 278152   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 1105644  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 571974   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1153689  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 1247368  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.75 | 264  | 1350846  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 23399   | 3.98  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.02  | 99  | 505963  | 21.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.19  | 67  | 322865  | 22.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 469177  | 24.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 405857  | 19.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 214246  | 27.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.75  | 143 | 250678  | 28.27 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 448095  | 25.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 99538   | 5.09  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 1300305 | 26.23 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 1542274 | 26.48 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 116689  | 13.47 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 1045705 | 23.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 150298  | 19.36 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 1544840 | 27.17 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 1694318 | 30.11 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.60 | 264 | 1745829 | 26.87 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |          | Ovalue        |     |
|--------------------------------|-------|-----|----------|---------------|-----|
| 6) Phenol                      | 7.05  | 94  | 31212    | 1.318 ng/ul   | 90  |
| 14) Acetophenone               | 8.66  | 105 | 70817    | 2.339 ng/ul#  | 29  |
| 28) Naphthalene                | 10.71 | 128 | 218812   | 3.945 ng/ul   | 98  |
| 34) 2-Methylnaphthalene        | 12.32 | 142 | 85657    | 2.025 ng/ul   | 98  |
| 44) Dimethylphthalate          | 13.95 | 163 | 515775   | 10.815 ng/ul  | 99  |
| 47) Acenaphthylene             | 14.23 | 152 | 119354   | 2.113 ng/ul   | 97  |
| 49) Acenaphthene               | 14.56 | 153 | 122919   | 3.145 ng/ul   | 99  |
| 53) Dibenzofuran               | 14.90 | 168 | 141942   | 2.502 ng/ul   | 95  |
| 58) Fluorene                   | 15.55 | 166 | 120278   | 2.539 ng/ul   | 96  |
| 69) Phenanthrene               | 17.29 | 178 | 2788903  | 43.947 ng/ul  | 99  |
| 71) Anthracene                 | 17.38 | 178 | 658914   | 10.204 ng/ul  | 98  |
| 72) Carbazole                  | 17.65 | 167 | 185581   | 3.318 ng/ul   | 96  |
| 73) Di-n-butylphthalate        | 18.20 | 149 | 323086   | 4.821 ng/ul   | 97  |
| 74) Fluoranthene               | 19.30 | 202 | 4914066  | 63.465 ng/ul# | 91  |
| 77) Pyrene                     | 19.67 | 202 | 4611407  | 66.674 ng/ul# | 91  |
| 80) Benzo(a)anthracene         | 21.40 | 228 | 2741567  | 38.366 ng/ul  | 96  |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 351483   | 8.720 ng/ul   | 100 |
| 82) Chrysene                   | 21.46 | 228 | 2709919  | 39.913 ng/ul  | 96  |
| 85) Benzo(b)fluoranthene       | 23.05 | 252 | 3768064  | 45.891 ng/ul# | 96  |
| 86) Benzo(k)fluoranthene       | 23.09 | 252 | 1378192m | 16.813 ng/ul  | 96  |
| 88) Benzo(a)pyrene             | 23.65 | 252 | 2818925  | 35.729 ng/ul# | 96  |
| 89) Indeno(1,2,3-cd)pyrene     | 26.13 | 276 | 2121306  | 25.125 ng/ul# | 95  |
| 90) Dibenzo(a,h)anthracene     | 26.13 | 278 | 536712   | 7.736 ng/ul#  | 79  |

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| Internal Standards       | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------|-------|------|----------|--------|--------|----------|
| 91) Benzo(a,h,i)perylene | 26.87 | 276  | 1969223  | 28.196 | ng/ul# | 91       |

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