

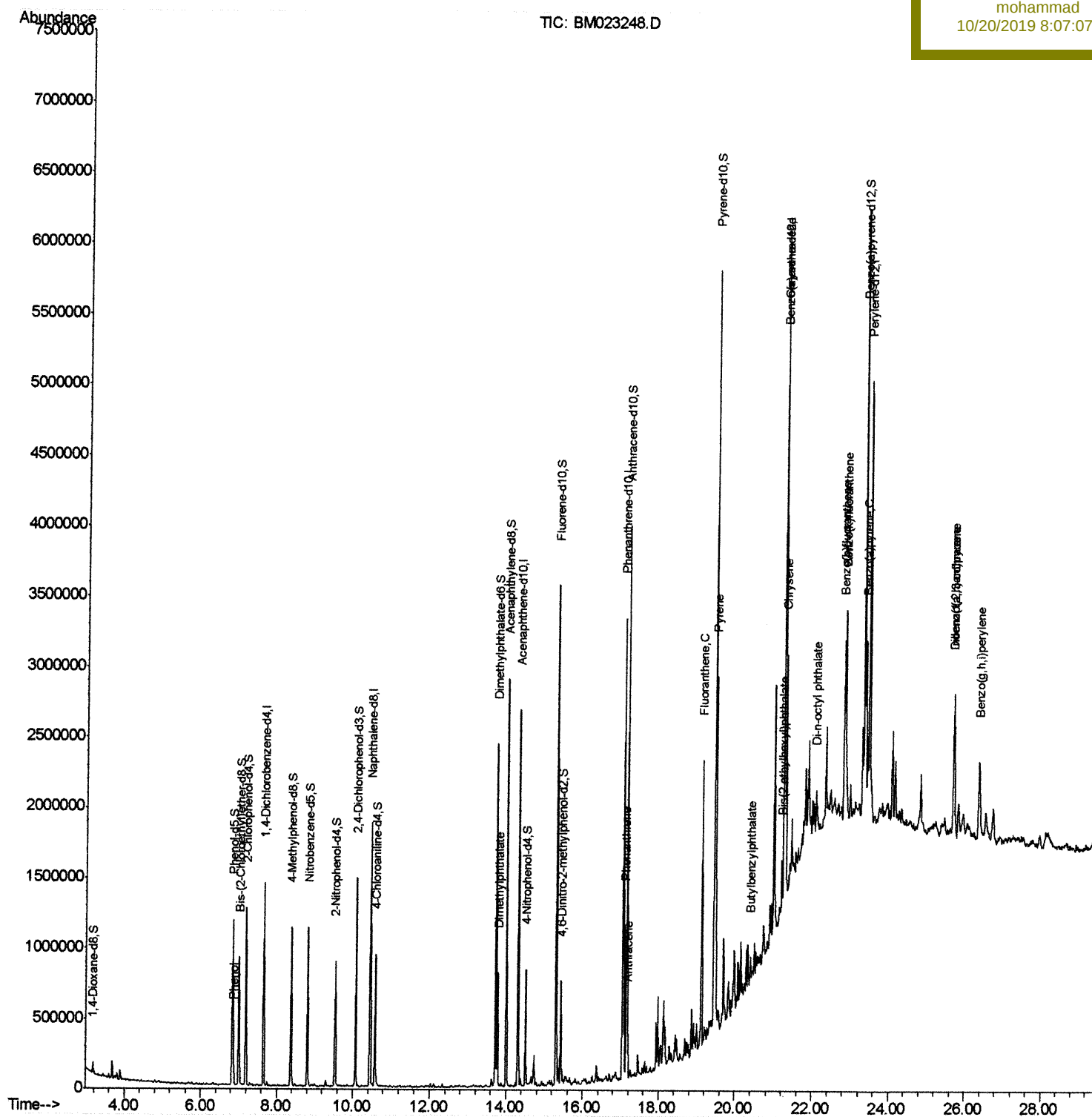
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023248.D  
Acq On : 18 Oct 2019 08:52  
Operator : JU  
Sample : K5235-07  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 13:05:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 18 07:48:41 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampled :  
BEPC5

Manual Integrations  
APPROVED

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10/20/2019 8:07:07 PM



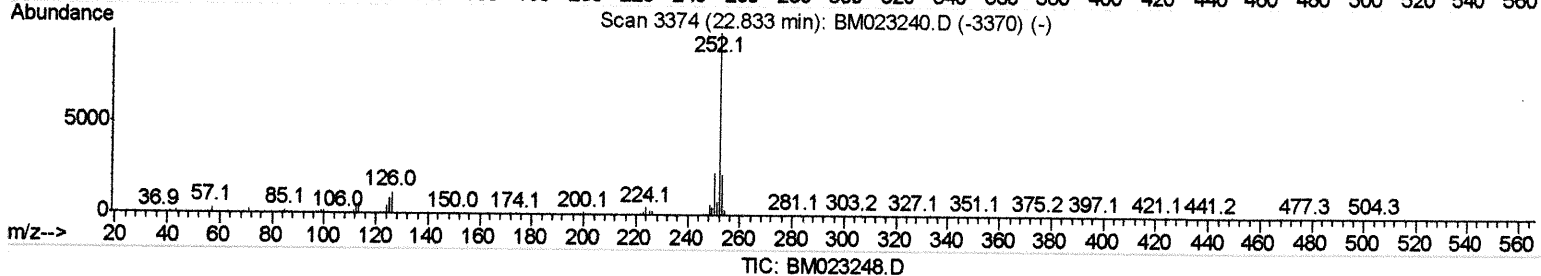
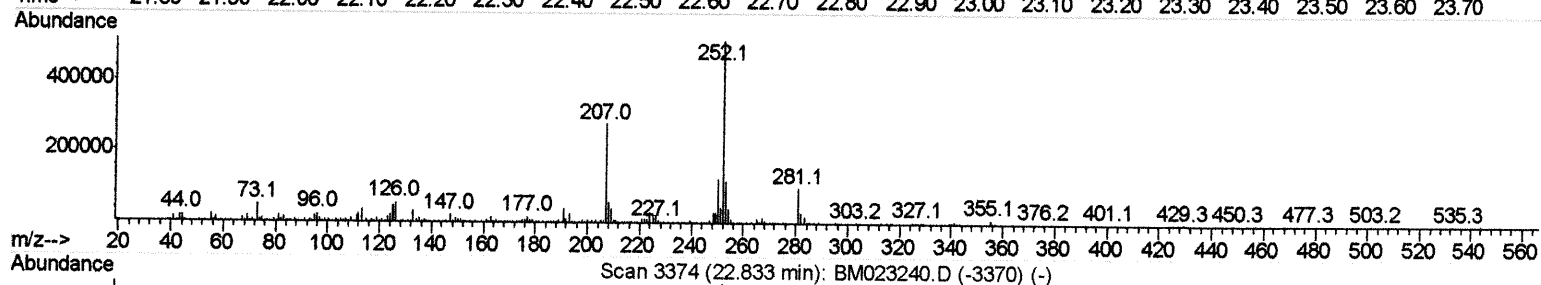
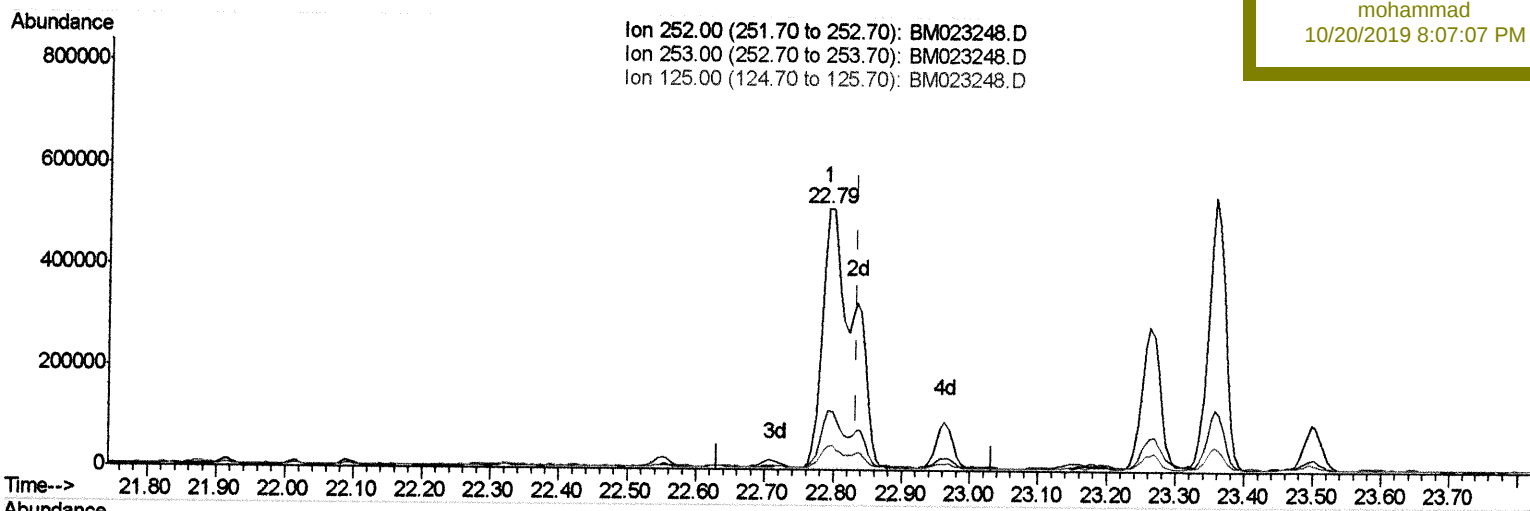
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Quant Time: Oct 18 11:57:30 2019  
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ClientSampleId :  
BEPC5

Manual Integrations  
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(89) Benzo(k)fluoranthene

22.792min (-0.041) 8.15ng/ul

response 1107402

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.95 |
| 125.00 | 8.10  | 9.12  |
| 0.00   | 0.00  | 0.00  |

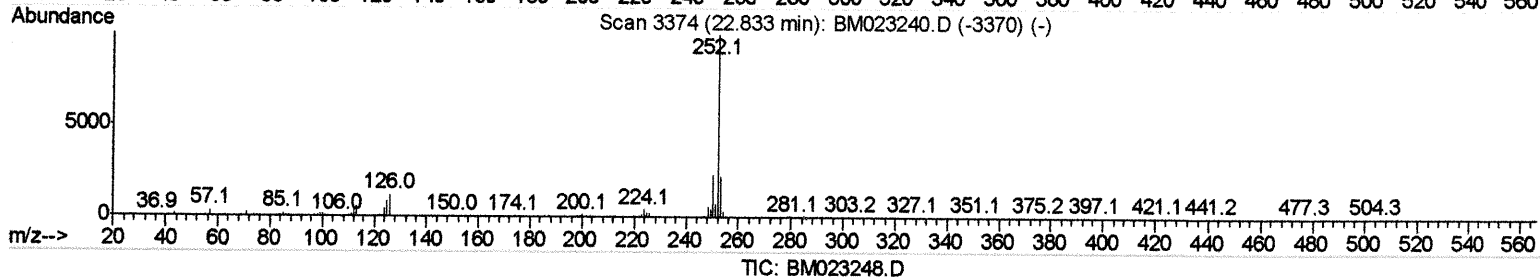
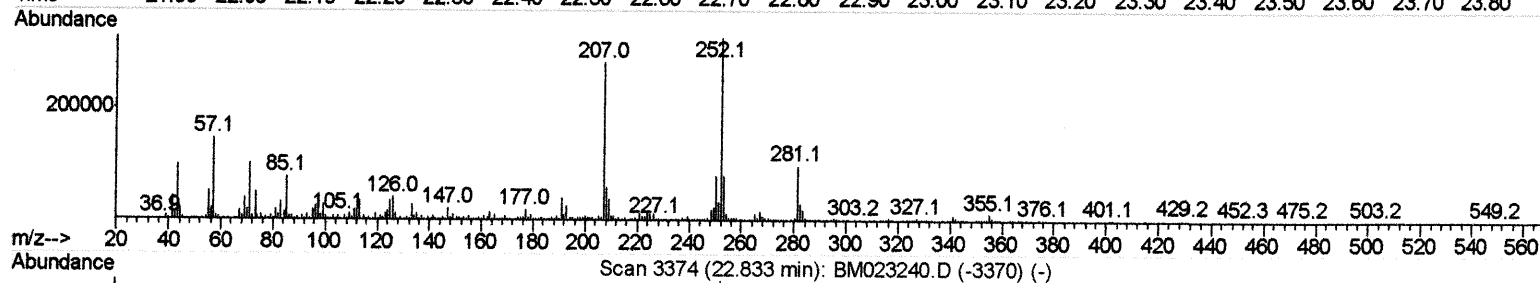
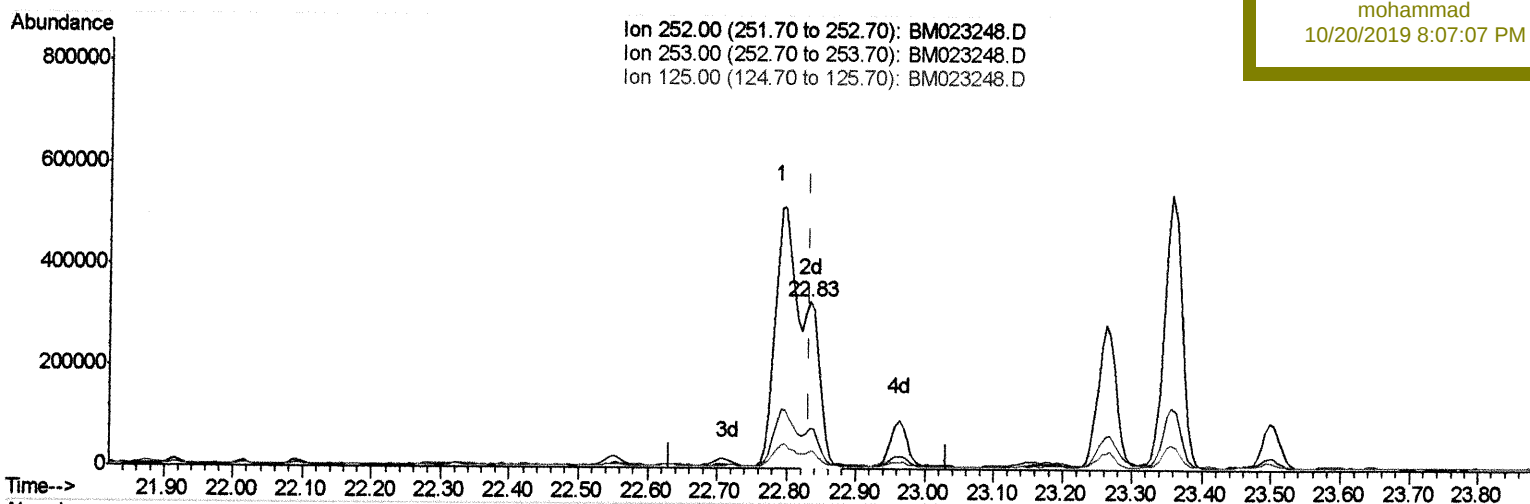
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 18 07:48:41 2019  
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Instrument :  
BNA\_M  
ClientSampleId :  
BEPC5

Manual Integrations  
APPROVED

mohammad  
10/20/2019 8:07:07 PM



(89) Benzo(k)fluoranthene

22.833min (+0.000) 3.63ng/ul m

response 493870

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.70 | 24.26  |
| 125.00 | 8.10  | 10.66# |
| 0.00   | 0.00  | 0.00   |

*JU 10/4/19*

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
 Data File : BM023248.D  
 Acq On : 18 Oct 2019 08:52  
 Operator : JU  
 Sample : K5235-07  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 13:05:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 18 07:48:41 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEPC5

Manual Integrations  
 APPROVED

mohammad  
 10/20/2019 8:07:07 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 397067   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 1511585  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.30 | 164  | 893705   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.05 | 188  | 1817316  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 1875062  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.45 | 264  | 2334601  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.18  | 96  | 36493   | 4.04  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 643353  | 18.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.00  | 67  | 392570  | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 558502  | 21.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 428314  | 15.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 266318  | 26.04 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 294480  | 30.24 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 560395  | 22.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 518684  | 17.22 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.72 | 166 | 1667984 | 24.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.99 | 160 | 1958271 | 24.38 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 195473  | 17.63 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.30 | 176 | 1440122 | 24.68 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 161520  | 22.42 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.15 | 188 | 2198647 | 25.09 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.44 | 212 | 2613131 | 28.78 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.32 | 264 | 3221564 | 27.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.86  | 94  | 101979  | 2.860  | ng/ul 97  |
| 45) Dimethylphthalate          | 13.77 | 163 | 506344  | 7.386  | ng/ul 100 |
| 70) Phenanthrene               | 17.09 | 178 | 652522  | 6.398  | ng/ul 99  |
| 72) Anthracene                 | 17.18 | 178 | 207973  | 1.973  | ng/ul 98  |
| 77) Fluoranthene               | 19.12 | 202 | 1245689 | 10.270 | ng/ul 98  |
| 80) Pyrene                     | 19.47 | 202 | 1471708 | 12.529 | ng/ul 100 |
| 81) Butylbenzylphthalate       | 20.40 | 149 | 49654   | 1.215  | ng/ul 95  |
| 83) Benzo(a)anthracene         | 21.23 | 228 | 973011  | 7.659  | ng/ul 95  |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 115240  | 1.774  | ng/ul 99  |
| 85) Chrysene                   | 21.28 | 228 | 971416  | 8.234  | ng/ul 98  |
| 87) Di-n-octyl phthalate       | 22.06 | 149 | 156850  | 1.302  | ng/ul 100 |
| 88) Benzo(b)fluoranthene       | 22.79 | 252 | 1107402 | 7.823  | ng/ul 98  |
| 89) Benzo(k)fluoranthene       | 22.83 | 252 | 493870m | 3.634  | ng/ul 98  |
| 91) Benzo(a)pyrene             | 23.36 | 252 | 938408  | 6.910  | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 700502  | 4.336  | ng/ul 99  |
| 93) Dibenzo(a,h)anthracene     | 25.68 | 278 | 328118  | 2.429  | ng/ul 95  |
| 94) Benzo(g,h,i)perylene       | 26.34 | 276 | 675777  | 5.080  | ng/ul 98  |

ju 10/21/19

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