

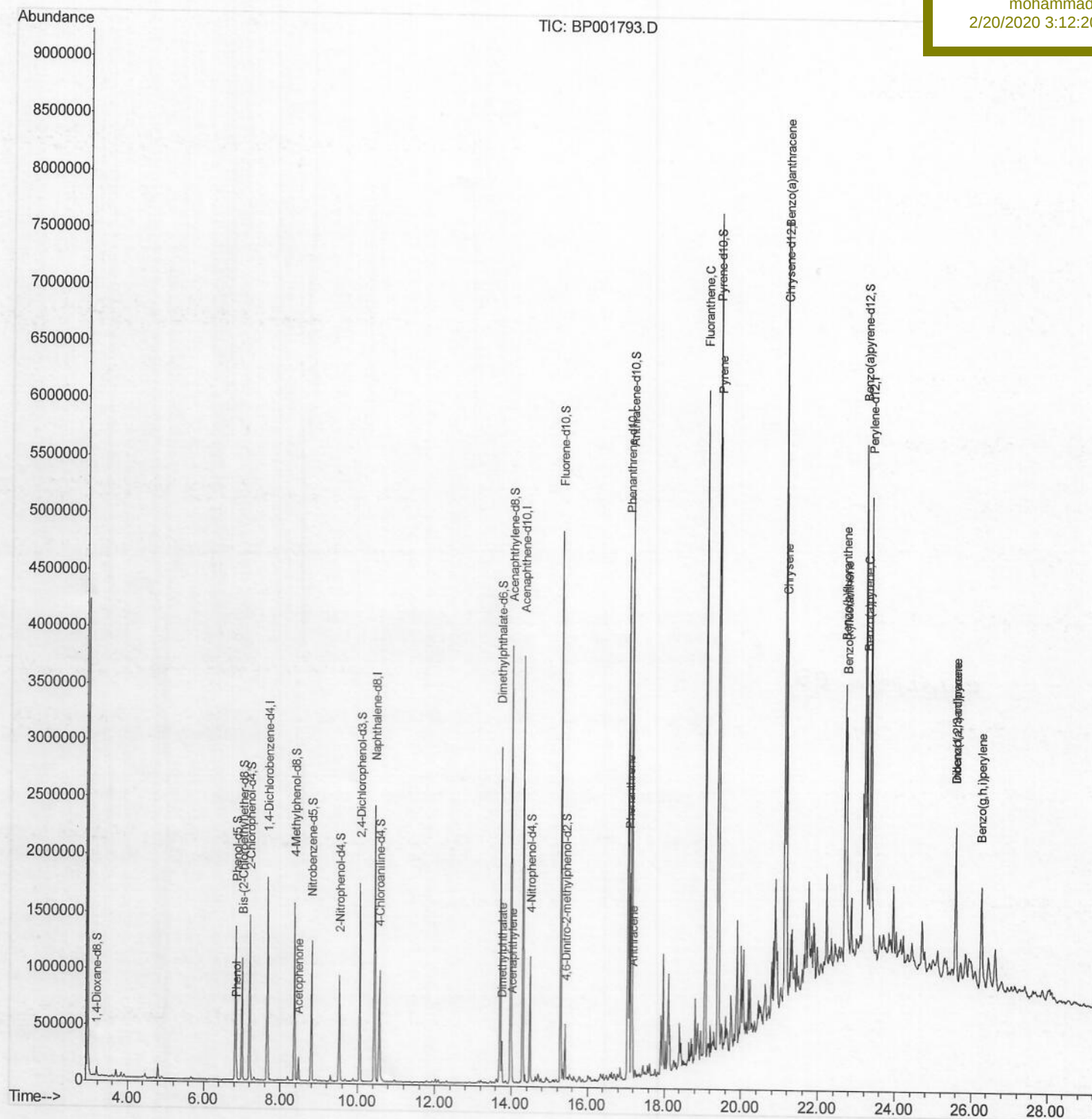
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP021920\  
Data File : BP001793.D  
Acq On : 19 Feb 2020 23:58  
Operator : CG/JU  
Sample : L1424-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 20 01:42:31 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP021820MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 19 02:37:06 2020  
Response via : Initial Calibration

Instrument :  
BNA\_P  
Client Sample ID :  
C5B12

Manual Integrations  
APPROVED

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2/20/2020 3:12:20 PM



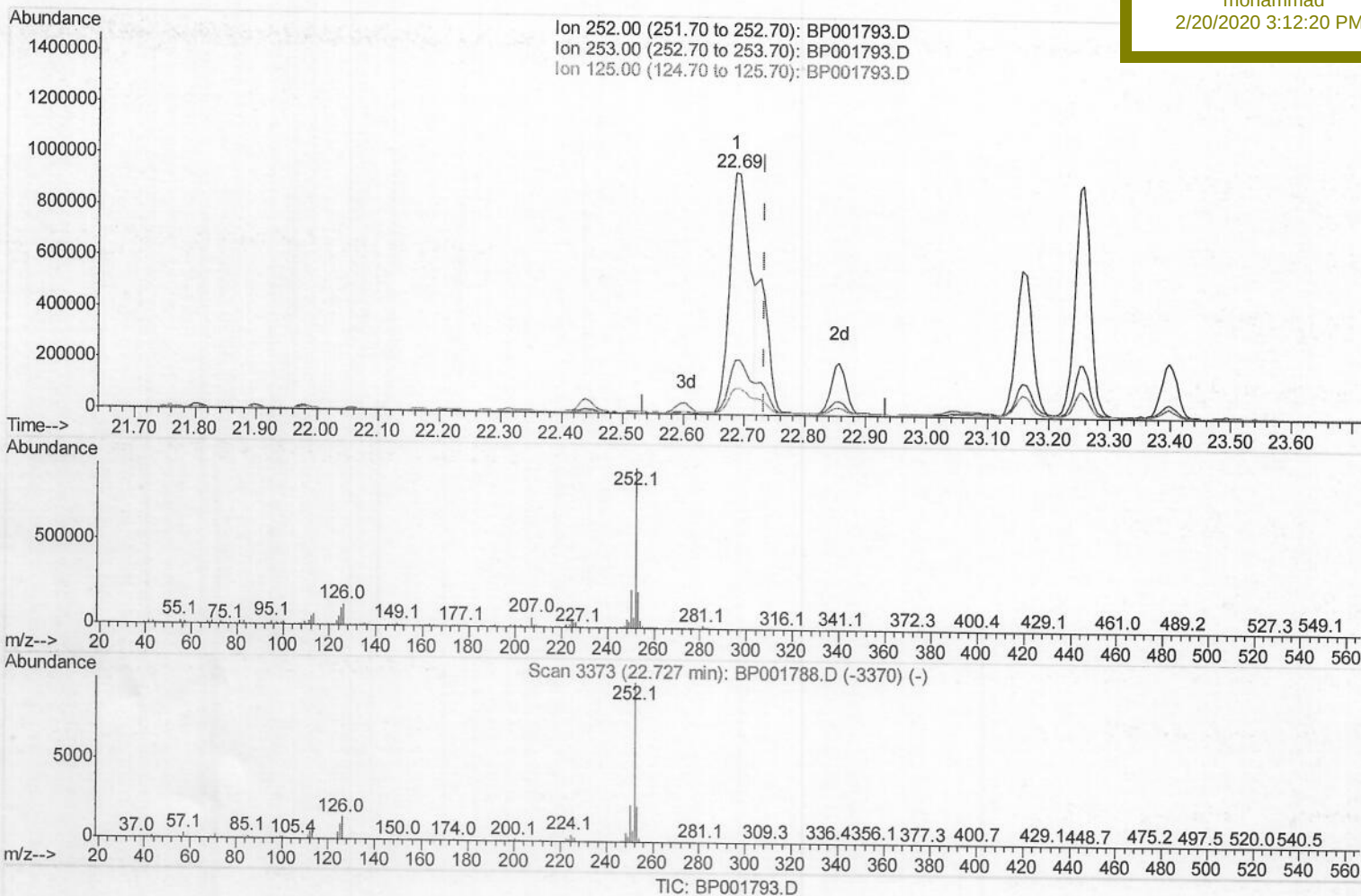
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP021920\  
Data File : BP001793.D  
Acq On : 19 Feb 2020 23:58  
Operator : CG/JU  
Sample : L1424-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 20 00:56:15 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP021820MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 19 02:37:06 2020  
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Instrument :  
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Manual Integrations  
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(89) Benzo(k)fluoranthene

22.686min (-0.047) 12.66ng/ul

response 2160326

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 22.88 |
| 125.00 | 10.00 | 10.84 |
| 0.00   | 0.00  | 0.00  |

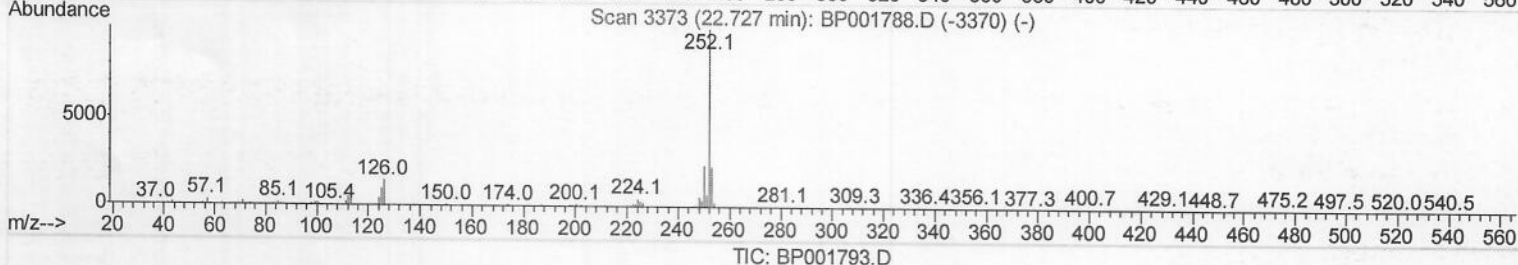
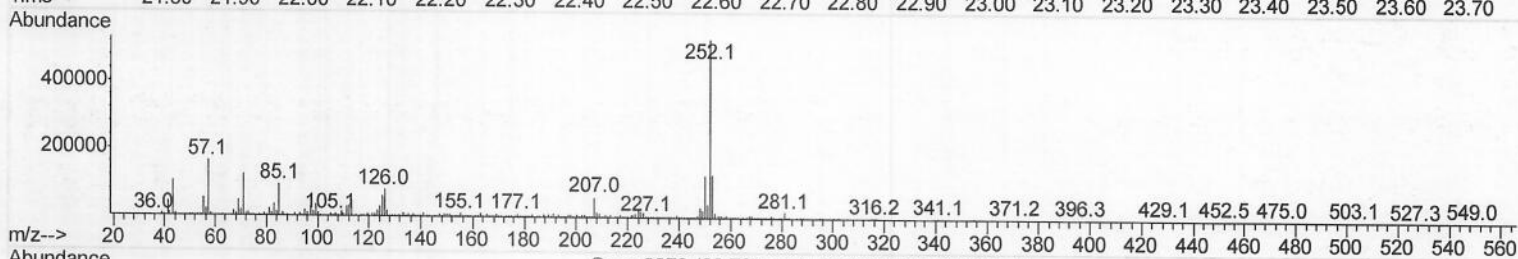
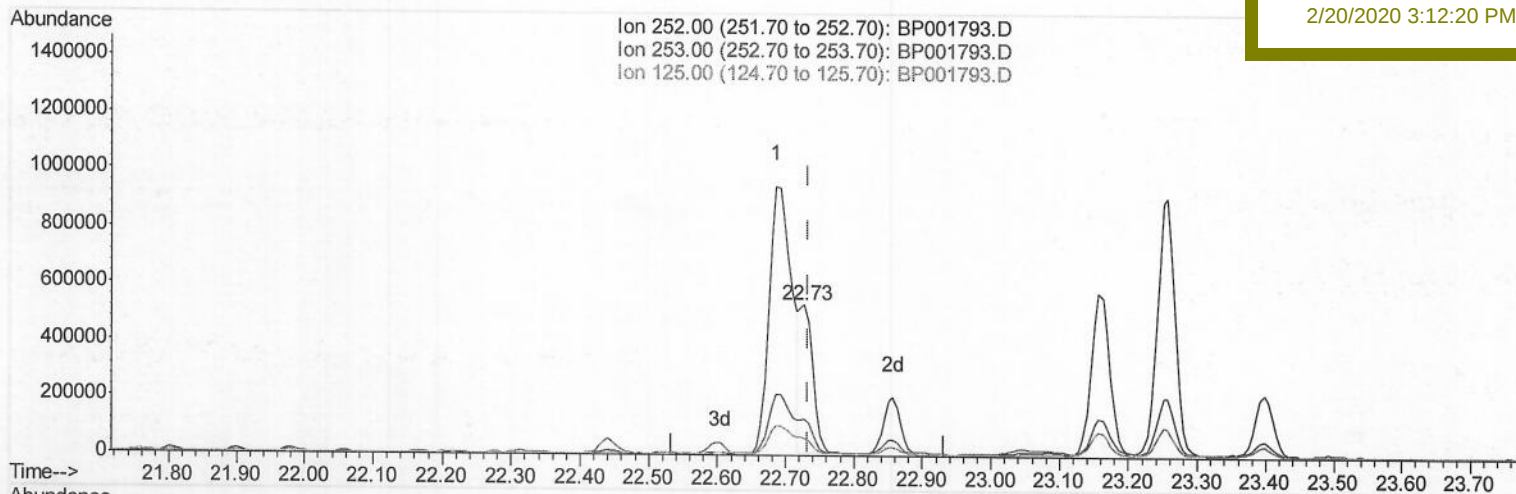
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP021920\  
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Acq On : 19 Feb 2020 23:58  
Operator : CG/JU  
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Quant Time: Feb 20 00:56:15 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP021820MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 19 02:37:06 2020  
Response via : Initial Calibration

Instrument :  
BNA\_P  
ClientSampleId :  
C5B12

Manual Integrations  
APPROVED

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2/20/2020 3:12:20 PM



(89) Benzo(k)fluoranthene

22.727min (-0.006) 4.23ng/ul m > JU 02/25/20

response 721638

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 23.91 |
| 125.00 | 10.00 | 11.42 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP021920\  
 Data File : BP001793.D  
 Acq On : 19 Feb 2020 23:58  
 Operator : CG/JU  
 Sample : L1424-12  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 20 01:42:31 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP021820MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 19 02:37:06 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_P  
 Client Sample Id :  
 C5B12

Manual Integrations  
 APPROVED

mohammad  
 2/20/2020 3:12:20 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 503804   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 2089967  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 1288161  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.05 | 188  | 2797971  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.13 | 240  | 2684595  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.35 | 264  | 2797260  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.18  | 96  | 41852   | 3.45  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 799191  | 20.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 460130  | 20.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 686687  | 22.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 628001  | 20.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 313829  | 22.18 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 317542  | 24.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 694322  | 22.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 608677  | 16.91 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 2073799 | 22.94 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.98 | 160 | 2599599 | 23.35 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 288724  | 18.34 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.29 | 176 | 1943336 | 23.90 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 113084  | 10.25 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.14 | 188 | 2962717 | 24.04 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 3328537 | 24.16 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.21 | 264 | 3417710 | 25.30 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        | Ovalue    |
|----------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                  | 6.86  | 94  | 67500   | 1.673  | ng/ul 96  |
| 14) Acetophenone           | 8.47  | 105 | 108838  | 2.333  | ng/ul 98  |
| 45) Dimethylphthalate      | 13.75 | 163 | 212544  | 2.234  | ng/ul 99  |
| 48) Acenaphthylene         | 14.01 | 152 | 182474  | 1.511  | ng/ul 99  |
| 70) Phenanthrene           | 17.09 | 178 | 1113428 | 7.216  | ng/ul 99  |
| 72) Anthracene             | 17.17 | 178 | 361677  | 2.373  | ng/ul 99  |
| 77) Fluoranthene           | 19.06 | 202 | 3317628 | 20.078 | ng/ul 99  |
| 80) Pyrene                 | 19.42 | 202 | 3194356 | 17.493 | ng/ul 99  |
| 83) Benzo(a)anthracene     | 21.12 | 228 | 1753293 | 9.917  | ng/ul 97  |
| 85) Chrysene               | 21.17 | 228 | 1699984 | 9.843  | ng/ul 98  |
| 88) Benzo(b)fluoranthene   | 22.69 | 252 | 2160326 | 13.125 | ng/ul 98  |
| 89) Benzo(k)fluoranthene   | 22.73 | 252 | 721638m | 4.230  | ng/ul 98  |
| 91) Benzo(a)pyrene         | 23.26 | 252 | 1618505 | 10.492 | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene | 25.58 | 276 | 1096681 | 5.692  | ng/ul 97  |
| 93) Dibenzo(a,h)anthracene | 25.59 | 278 | 279809  | 1.729  | ng/ul# 79 |
| 94) Benzo(a,h,i)perylene   | 26.26 | 276 | 1039657 | 6.347  | ng/ul 98  |

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