

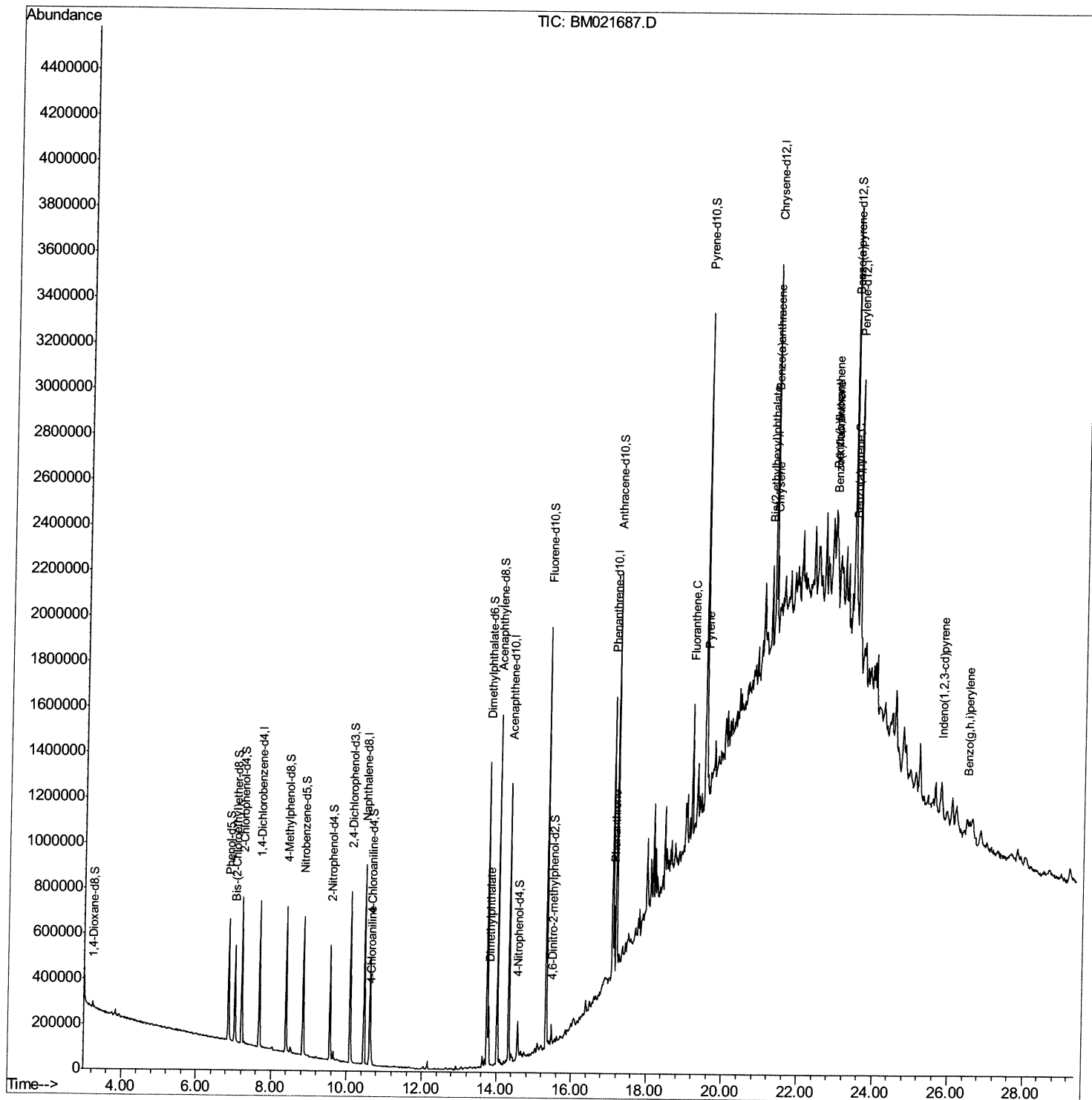
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
Data File : BM021687.D  
Acq On : 27 Jul 2019 13:44  
Operator : HP/JU  
Sample : K3893-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP17

Manual Integrations  
APPROVED

mohammad  
7/29/2019 2:29:49 PM

Quant Time: Jul 29 05:16:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 26 18:42:09 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

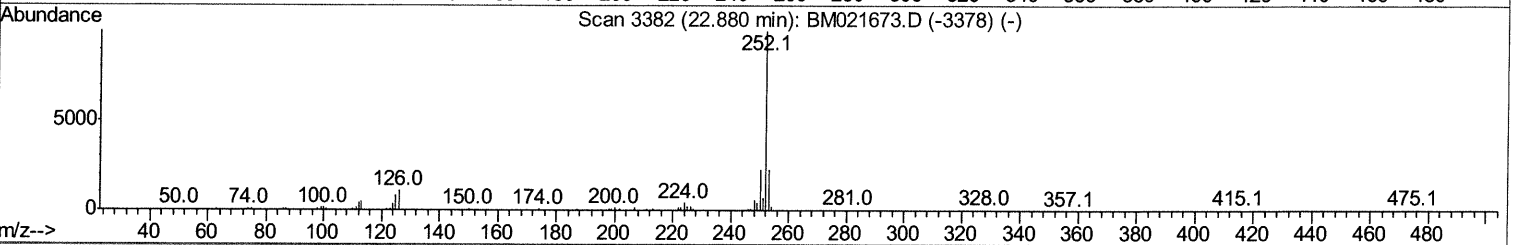
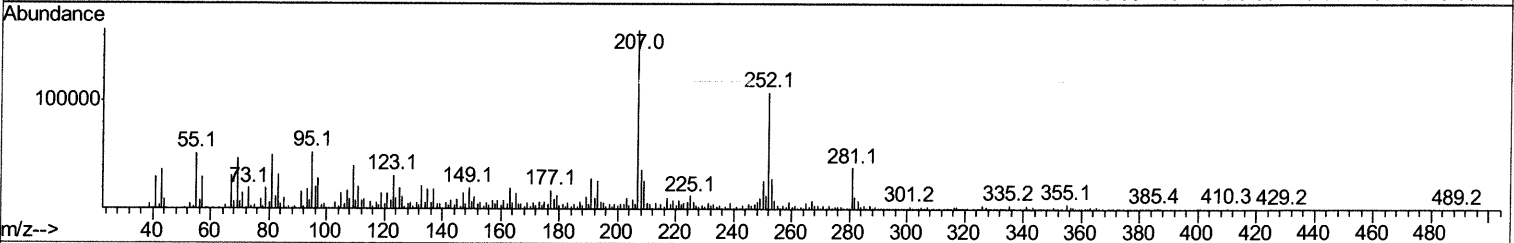
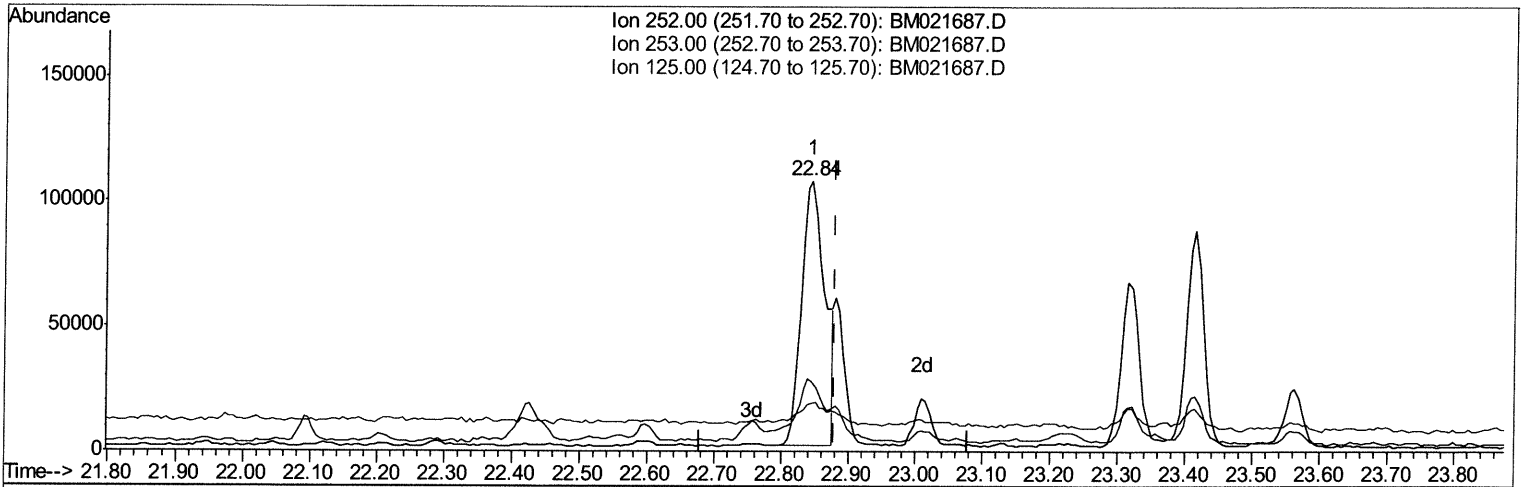
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
 Data File : BM021687.D  
 Acq On : 27 Jul 2019 13:44  
 Operator : HP/JU  
 Sample : K3893-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP17

Manual Integrations  
 APPROVED

mohammad  
 7/29/2019 2:29:49 PM

Quant Time: Jul 29 04:49:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 26 18:42:09 2019  
 Response via : Initial Calibration



TIC: BM021687.D

(88) Benzo(k)fluoranthene

22.844min (-0.035) 4.48ng/ul

response 252556

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.10 | 26.06  |
| 125.00 | 7.90  | 17.86# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

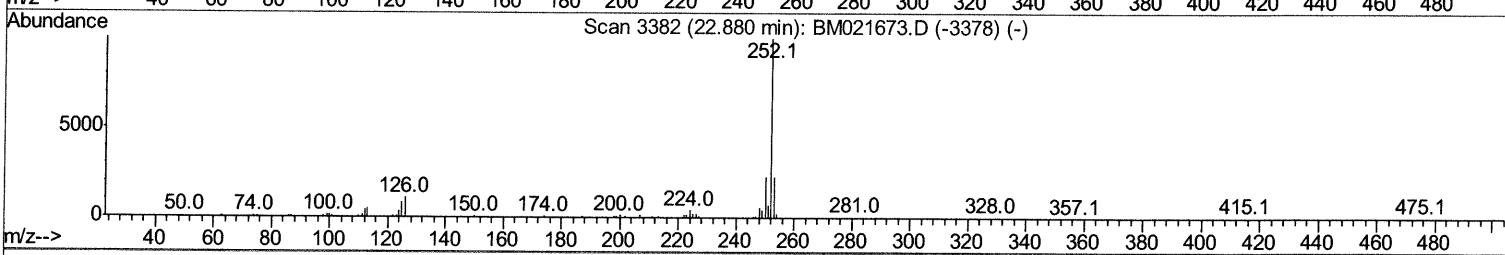
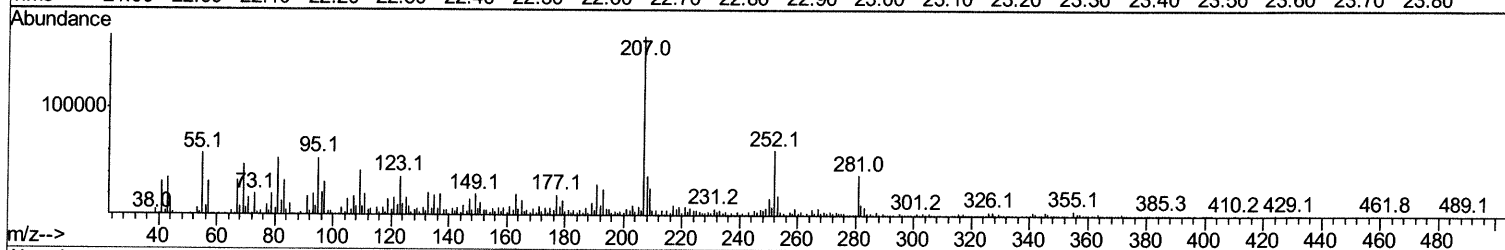
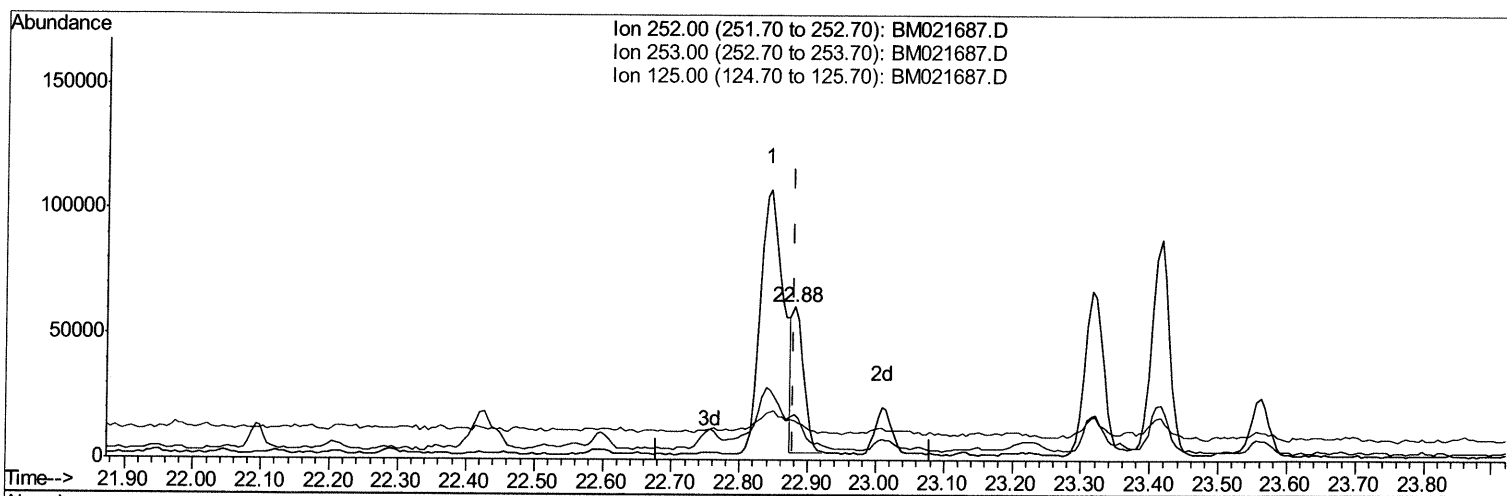
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
Data File : BM021687.D  
Acq On : 27 Jul 2019 13:44  
Operator : HP/JU  
Sample : K3893-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP17

Manual Integrations  
APPROVED

mohammad  
7/29/2019 2:29:49 PM

Quant Time: Jul 29 04:49:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 26 18:42:09 2019  
Response via : Initial Calibration



TIC: BM021687.D

(88) Benzo(k)fluoranthene

22.880min (-0.000) 1.14ng/ul m

JU  
07/29/19

response 64114

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.10 | 29.90# |
| 125.00 | 7.90  | 26.08# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
 Data File : BM021687.D  
 Acq On : 27 Jul 2019 13:44  
 Operator : HP/JU  
 Sample : K3893-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP17

Manual Integrations  
 APPROVED

mohammad  
 7/29/2019 2:29:49 PM

Quant Time: Jul 29 05:16:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 26 18:42:09 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 177150   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 702339   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 402313   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 720814   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 691029   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.51 | 264  | 847341   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 14920   | 4.05  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 309351  | 23.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 198251  | 25.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 285721  | 25.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 249711  | 22.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 146901  | 27.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 161945  | 27.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 306240  | 24.72 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 276463  | 23.60 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.74 | 166 | 872671  | 28.11 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 1011130 | 27.40 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 53722   | 11.40 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 719244  | 26.40 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 17300   | 3.86  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.18 | 188 | 988458  | 27.25 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.48 | 212 | 1037519 | 26.76 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.37 | 264 | 1218299 | 27.17 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       | Ovalue |     |
|--------------------------------|-------|-----|---------|-------|--------|-----|
| 30) 4-Chloroaniline            | 10.65 | 127 | 24556   | 1.955 | ng/ul  | 97  |
| 44) Dimethylphthalate          | 13.79 | 163 | 158826  | 4.928 | ng/ul  | 99  |
| 69) Phenanthrene               | 17.12 | 178 | 168333  | 3.877 | ng/ul  | 100 |
| 76) Fluoranthene               | 19.14 | 202 | 344496  | 6.802 | ng/ul  | 99  |
| 79) Pyrene                     | 19.51 | 202 | 289968  | 5.624 | ng/ul  | 100 |
| 82) Benzo(a)anthracene         | 21.26 | 228 | 166515  | 3.309 | ng/ul# | 94  |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 53445   | 2.334 | ng/ul# | 92  |
| 84) Chrysene                   | 21.31 | 228 | 168131  | 3.544 | ng/ul# | 94  |
| 87) Benzo(b)fluoranthene       | 22.84 | 252 | 252556  | 4.381 | ng/ul# | 86  |
| 88) Benzo(k)fluoranthene       | 22.88 | 252 | 64114m> | 1.137 | ng/ul  | →   |
| 90) Benzo(a)pyrene             | 23.41 | 252 | 154519  | 2.863 | ng/ul# | 87  |
| 91) Indeno(1,2,3-cd)pyrene     | 25.76 | 276 | 122811  | 1.962 | ng/ul  | 98  |
| 93) Benzo(a,h,i)perylene       | 26.45 | 276 | 107094  | 2.058 | ng/ul# | 92  |

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

JU 07/29/19