

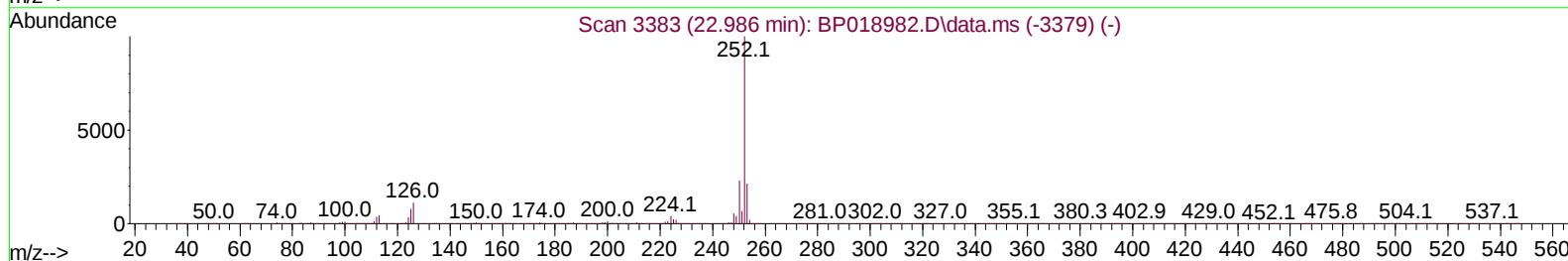
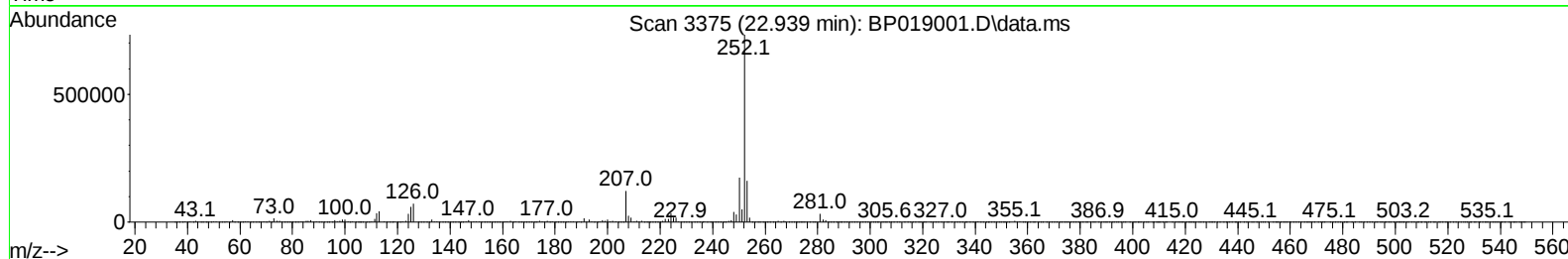
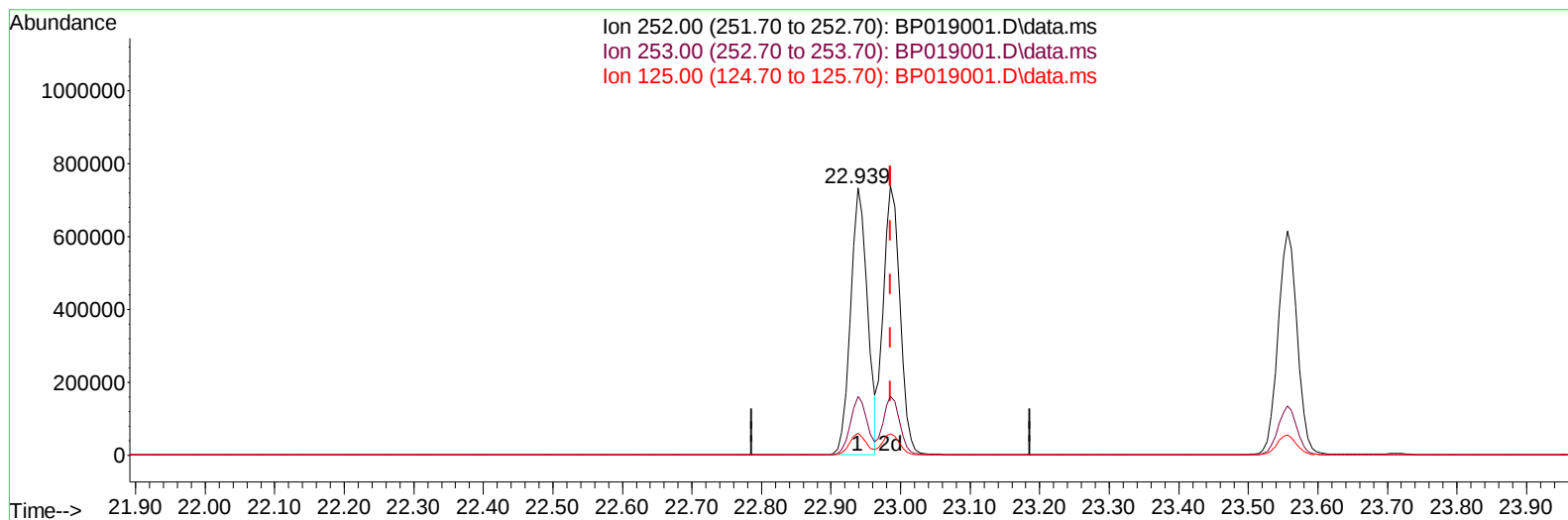
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122023\  
 Data File : BP019001.D  
 Acq On : 21 Dec 2023 14:39  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Dec 21 15:20:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/22/2023  
 Supervised By :mohammad ahmed 12/22/2023



TIC: BP019001.D\data.ms

**(91) Benzo(k)fluoranthene**

**22.939min (-0.047) 19.01 ng/u1**

**response 1234791**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.10  |
| 125.00 | 10.00  | 8.23   |
| 0.00   | 0.00   | 0.00   |

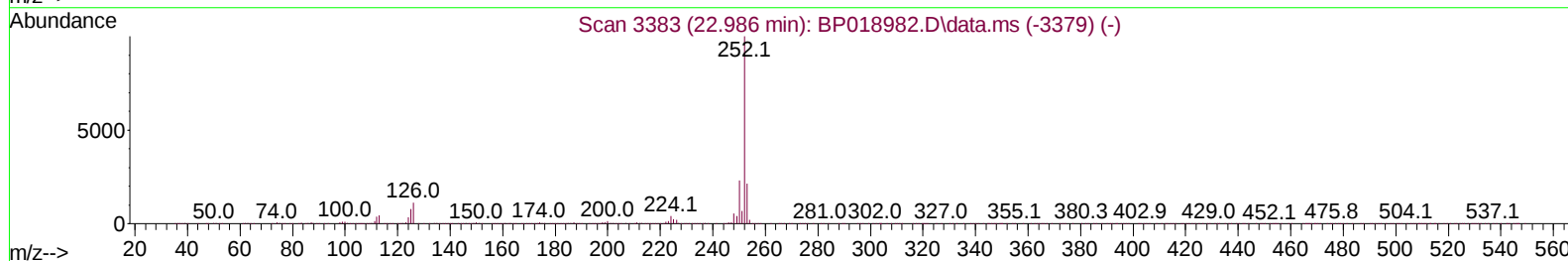
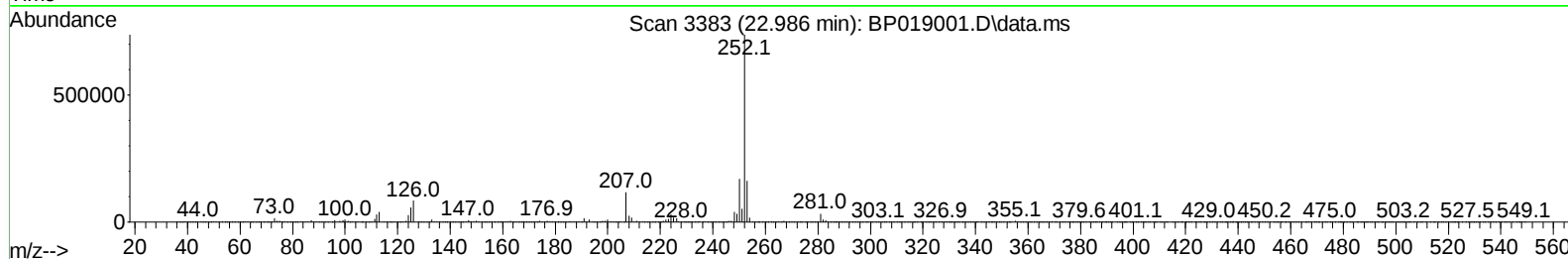
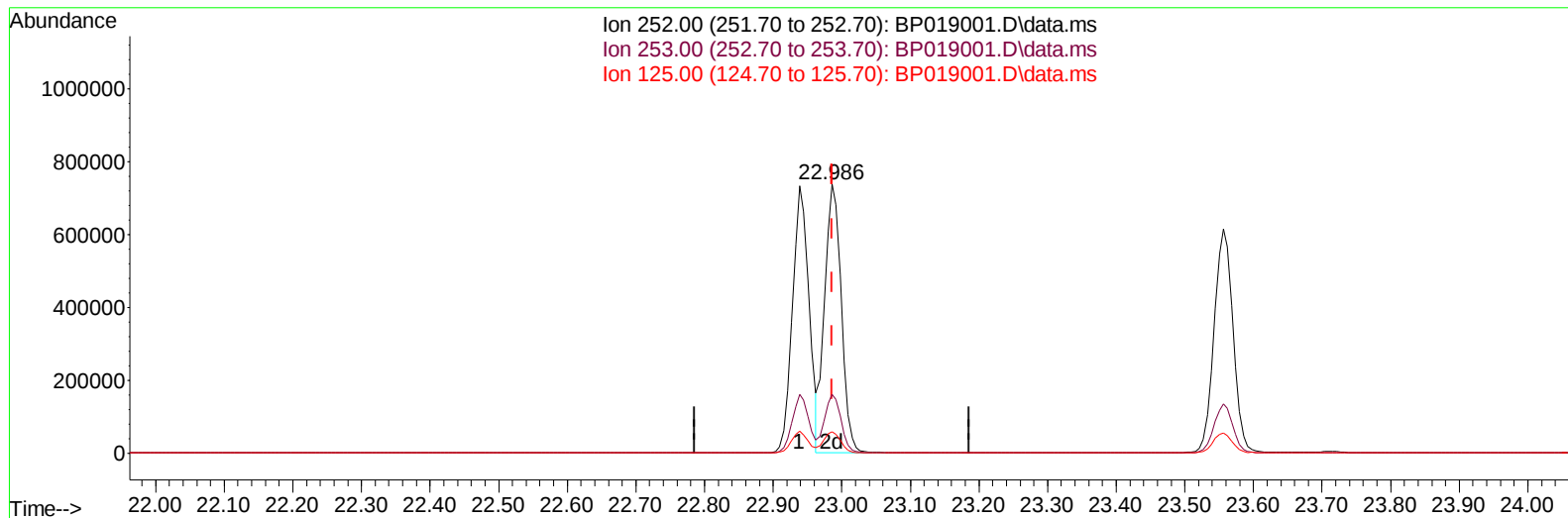
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TIC: BP019001.D\data.ms

**(91) Benzo(k)fluoranthene**

**22.986min (-0.000) 19.24 ng/ul m**

**response 1249650**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 21.92  |
| 125.00 | 10.00  | 7.82#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122023\  
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 Acq On : 21 Dec 2023 14:39  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Dec 21 15:41:16 2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 124616   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.616 | 136  | 450218   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.457 | 164  | 271318   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 624628   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.298 | 240  | 743410   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.662 | 264  | 910427   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.246  | 96   | 27857    | 7.618  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 186172   | 19.007 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.992  | 99   | 215894   | 17.264 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.157  | 67   | 125896   | 16.986 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.351  | 132  | 174370   | 17.869 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.539  | 113  | 162095   | 16.016 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.981  | 128  | 78522    | 19.596 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.704  | 143  | 84894    | 20.435 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.239 | 165  | 170101   | 20.024 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.757 | 131  | 204476   | 18.418 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.874 | 166  | 466191   | 19.252 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.145 | 160  | 527927   | 19.799 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 79809    | 20.078 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.451 | 176  | 410655   | 20.203 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.574 | 200  | 77659    | 20.735 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.304 | 188  | 662619   | 20.179 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 852921   | 14.739 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.509 | 264  | 1035013  | 19.498 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.281  | 88   | 29888    | 7.453  | ng/uL  | 98       |
| 5) Pyridine                   | 3.687  | 79   | 186855   | 18.890 | ng/ul  | 96       |
| 6) Benzaldehyde               | 6.963  | 77   | 104207   | 16.139 | ng/ul  | 98       |
| 8) Phenol                     | 7.022  | 94   | 213522   | 17.411 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.251  | 93   | 173326   | 17.209 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.387  | 128  | 177103   | 17.933 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.269  | 108  | 154617   | 16.468 | ng/ul  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.345  | 45   | 202034   | 15.809 | ng/ul  | 99       |
| 16) Acetophenone              | 8.645  | 105  | 250805   | 16.628 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.634  | 70   | 118526   | 14.284 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.598  | 108  | 164694   | 16.064 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.892  | 117  | 76082    | 18.791 | ng/ul  | 85       |
| 22) Nitrobenzene              | 9.022  | 77   | 188548   | 19.353 | ng/ul  | 99       |
| 23) Isophorone                | 9.551  | 82   | 324406   | 16.331 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.733  | 139  | 91128    | 20.487 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.798  | 107  | 164874   | 18.952 | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.039 | 93   | 213934   | 17.059 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.269 | 162  | 164252   | 20.074 | ng/ul  | 98       |
| 30) Naphthalene               | 10.663 | 128  | 529921   | 19.403 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.786 | 127  | 201215   | 19.016 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 10.945 | 225  | 133253   | 24.316 | ng/ul  | 99       |
| 34) Caprolactam               | 11.563 | 113  | 39198    | 15.623 | ng/ul  | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.916 | 107  | 156015   | 17.020 | ng/ul  | 99       |

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/22/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.275 | 142  | 349155   | 18.045 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.498 | 142  | 351442   | 17.986 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.645 | 216  | 225916   | 22.950 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.622 | 237  | 112108   | 19.214 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.892 | 196  | 130993   | 20.686 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.963 | 196  | 141969   | 20.680 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.292 | 154  | 462939   | 19.729 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.333 | 162  | 381746   | 20.598 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.545 | 65   | 91570    | 18.226 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.922 | 163  | 458766   | 19.246 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.039 | 165  | 86329    | 19.170 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.174 | 152  | 592803   | 19.774 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.369 | 138  | 86495    | 19.240 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.521 | 153  | 394576   | 19.906 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.580 | 184  | 46635    | 19.539 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.680 | 109  | 65748    | 21.894 | ng/ul  | 88       |
| 56) Dibenzofuran              | 14.857 | 168  | 557372   | 20.232 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 131368   | 20.738 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.080 | 232  | 125433   | 21.782 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.280 | 149  | 442933   | 18.989 | ng/ul  | 99       |
| 61) Fluorene                  | 15.504 | 166  | 452189   | 20.743 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.504 | 204  | 245136   | 21.441 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.533 | 138  | 91541    | 21.375 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 83443    | 20.839 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.716 | 169  | 380027   | 18.360 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.398 | 248  | 158719   | 20.127 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.510 | 284  | 192009   | 21.809 | ng/ul  | 96       |
| 70) Atrazine                  | 16.674 | 200  | 90231    | 14.663 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.857 | 266  | 112915   | 21.564 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.251 | 178  | 752268   | 19.941 | ng/ul  | 99       |
| 74) Anthracene                | 17.339 | 178  | 767735   | 20.303 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216  | 223281   | 20.673 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.774 | 250  | 222401   | 20.963 | ng/uL  | 97       |
| 77) Carbazole                 | 17.615 | 167  | 679391   | 22.543 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.168 | 149  | 750582   | 18.704 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.221 | 202  | 963584   | 14.087 | ng/ul  | 95       |
| 82) Pyrene                    | 19.574 | 202  | 1023058  | 14.826 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.456 | 149  | 360686   | 14.277 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 397892   | 22.025 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 1159956  | 19.223 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.215 | 149  | 535700   | 15.428 | ng/ul# | 99       |
| 87) Chrysene                  | 21.339 | 228  | 1087672  | 19.574 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.121 | 149  | 979122   | 14.730 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.939 | 252  | 1234791  | 18.395 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.986 | 252  | 1249650m | 19.240 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.556 | 252  | 1185852  | 19.334 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 1527861  | 20.849 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.133 | 278  | 1264806  | 20.747 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.868 | 276  | 1224289  | 20.759 | ng/ul# | 94       |

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

**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

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