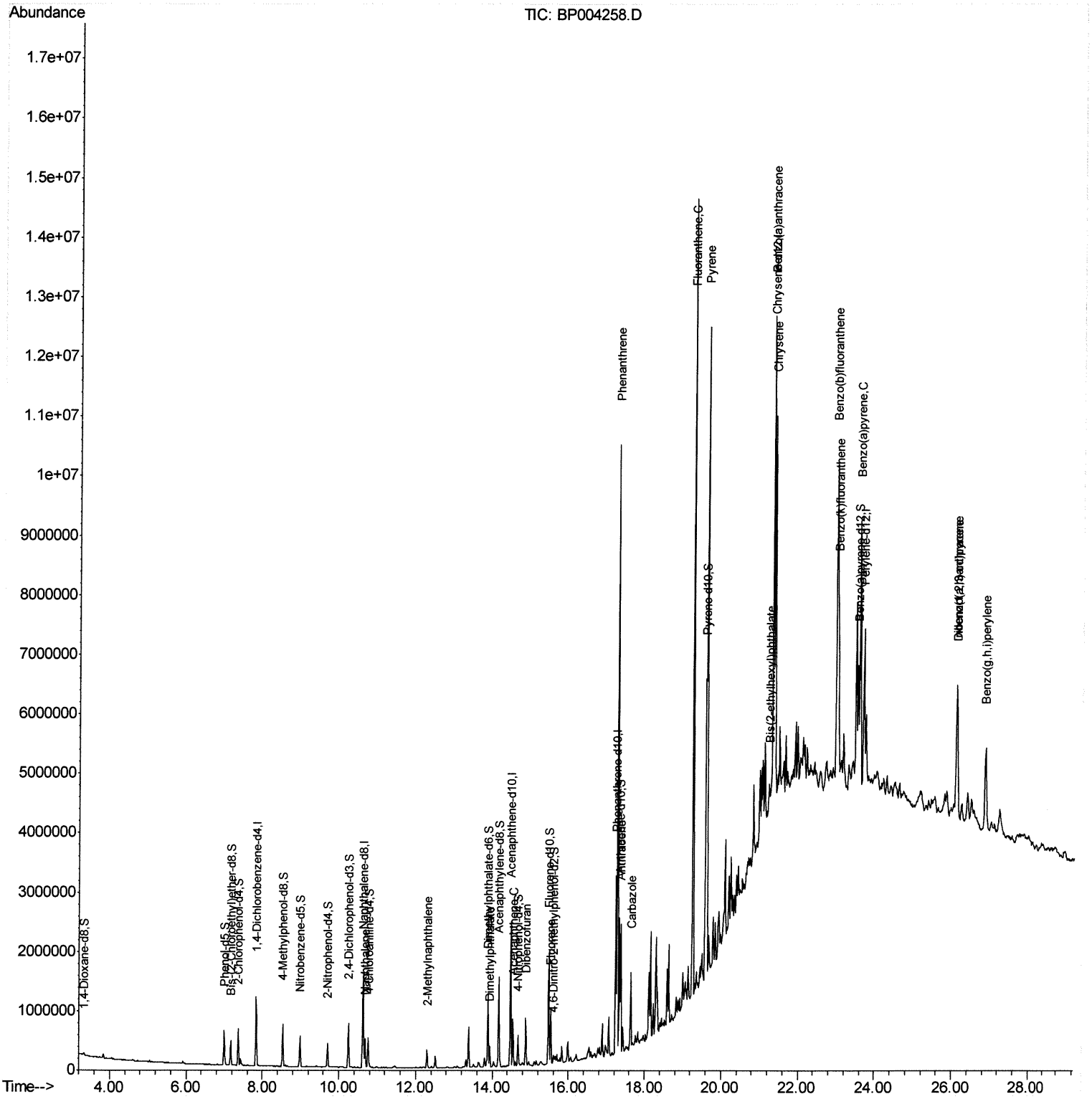
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 14 06:03:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
A54A1

**Manual Integrations APPROVED**
mohammad
12/14/2020 2:46:03 PM

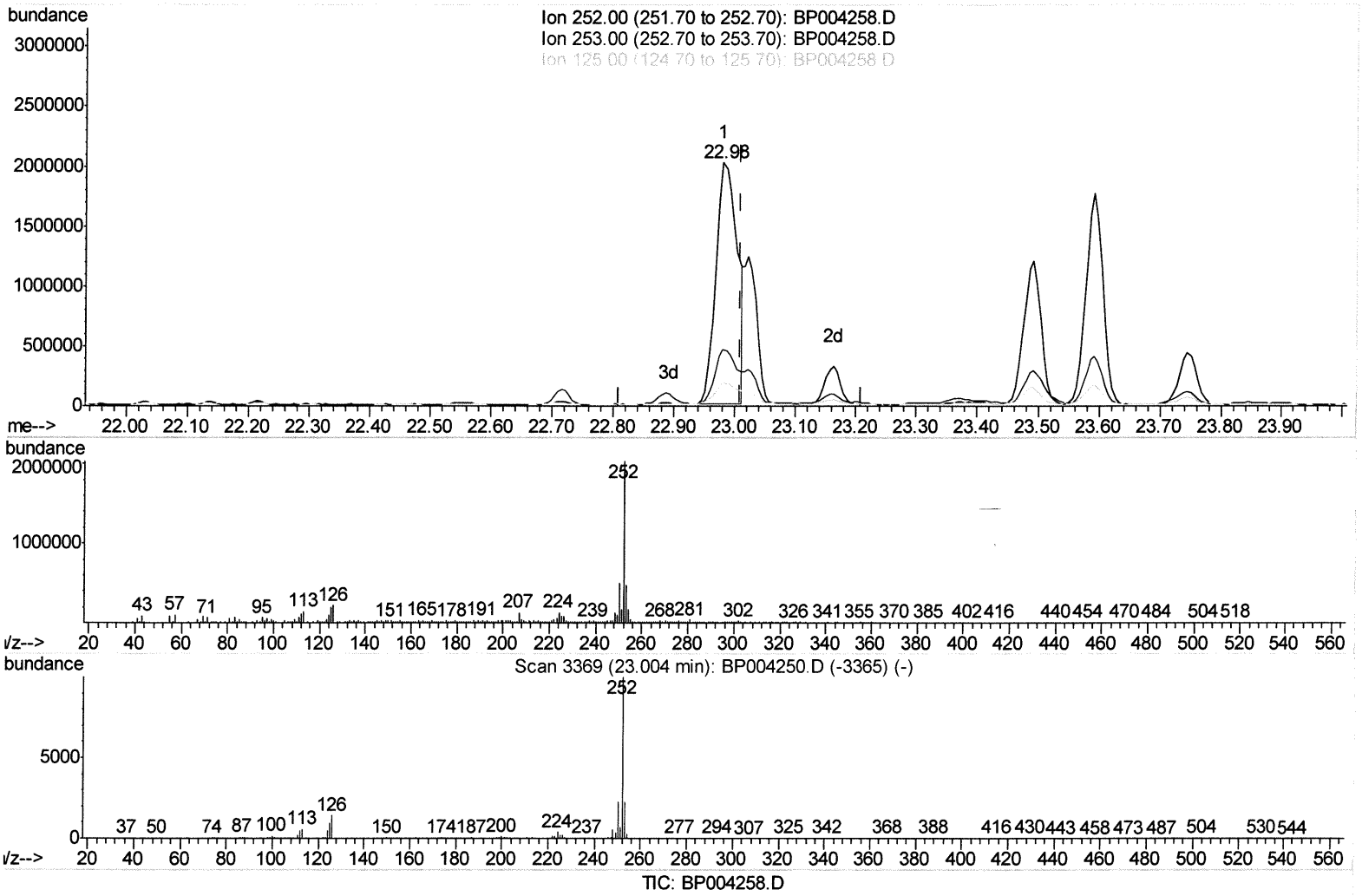


Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 14 06:01:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
A54A1

**Manual Integrations APPROVED**
mohammad
12/14/2020 2:46:03 PM




(89) Benzo(k)fluoranthene

22.980min (-0.029) 34.81ng/ul

response 4840596

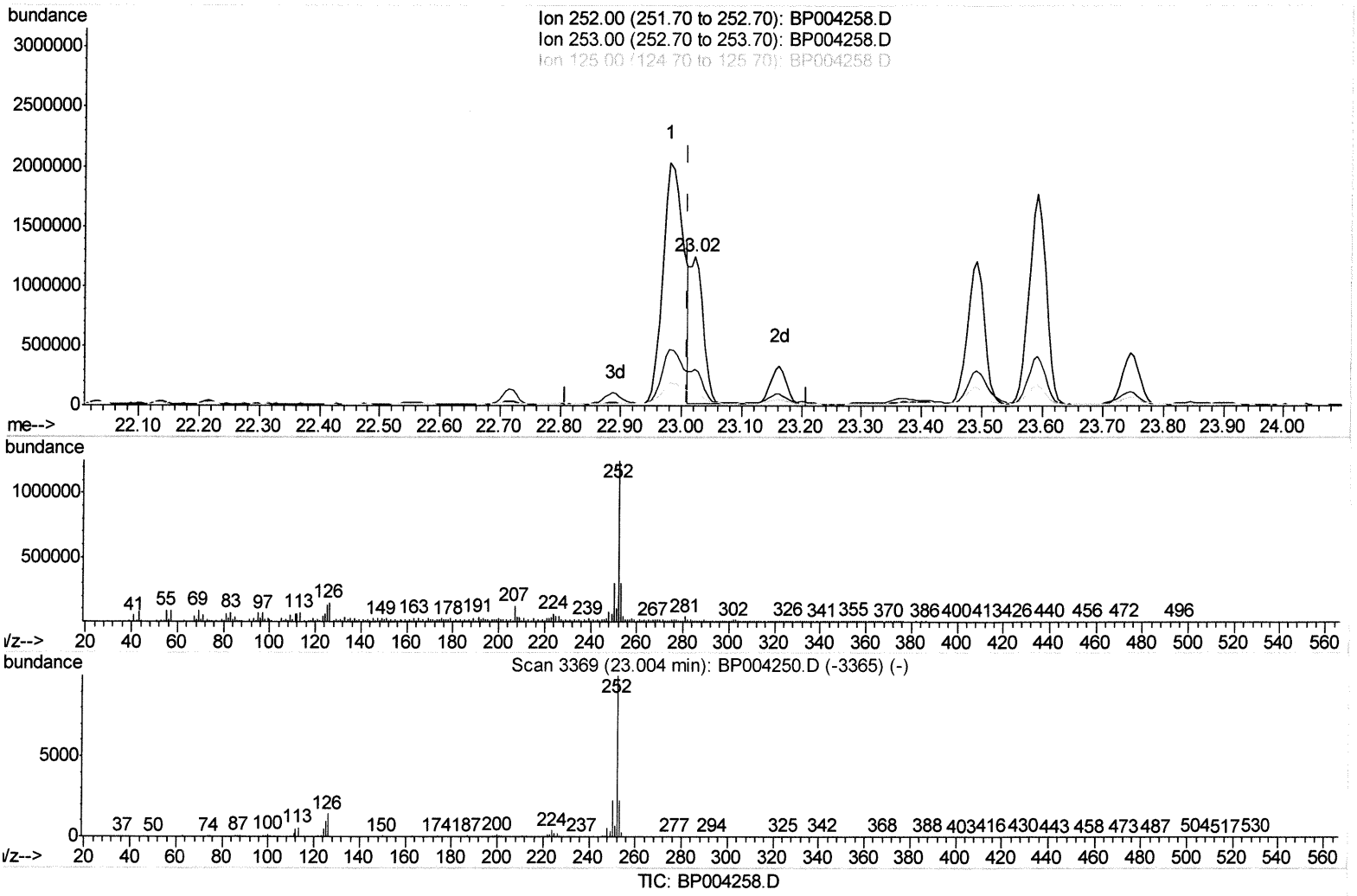
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 23.38 |
| 125.00 | 9.10 | 9.67 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 14 06:01:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
A54A1

**Manual Integrations APPROVED**
mohammad
12/14/2020 2:46:03 PM



TIC: BP004258.D

(89) Benzo(k)fluoranthene

23.021min (+0.012) 13.23ng/ul m

response 1839707

JU 12/28/20

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 24.26 |
| 125.00 | 9.10 | 10.07 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004258.D
Acq On : 12 Dec 2020 14:35
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A54A1

Manual Integrations APPROVED
mohammad
12/14/2020 2:46:03 PM

Quant Time: Dec 14 06:03:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 340319 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.63 | 136 | 1372242 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.48 | 164 | 852077 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.25 | 188 | 1856330 | 20.00 | ng/ul | 0.01 |
| 78) Chrysene-d12 | 21.33 | 240 | 1839489 | 20.00 | ng/ul | 0.01 |
| 86) Perylene-d12 | 23.70 | 264 | 2135200 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 16601 | 1.71 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 359062 | 12.75 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.16 | 67 | 193840 | 11.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 295793 | 13.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.53 | 113 | 277656 | 13.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.99 | 128 | 140012 | 12.46 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.71 | 143 | 147293 | 15.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 294901 | 14.47 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.76 | 131 | 290267 | 11.49 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.89 | 166 | 862530 | 13.24 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.17 | 160 | 1124575 | 13.53 | ng/ul | 0.01 |
| 52) 4-Nitrophenol-d4 | 14.67 | 143 | 130642 | 11.88 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.48 | 176 | 770632 | 13.07 | ng/ul | 0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 16626 | 1.87 | ng/ul | 0.02 |
| 71) Anthracene-d10 | 17.34 | 188 | 1229579 | 13.59 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.58 | 212 | 1403978 | 14.65 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12 | 23.54 | 264 | 1585080 | 14.09 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.68 | 128 | 401771 | 5.165 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 144868 | 2.768 | ng/ul | 95 |
| 45) Dimethylphthalate | 13.93 | 163 | 231742 | 3.494 | ng/ul | 100 |
| 50) Acenaphthene | 14.55 | 153 | 318313 | 5.450 | ng/ul | 99 |
| 54) Dibenzofuran | 14.88 | 168 | 497236 | 6.042 | ng/ul | 99 |
| 59) Fluorene | 15.53 | 166 | 416392 | 6.326 | ng/ul | 98 |
| 70) Phenanthrene | 17.29 | 178 | 6373287 | 58.195 | ng/ul | 98 |
| 72) Anthracene | 17.37 | 178 | 1360599 | 12.557 | ng/ul | 100 |
| 75) Carbazole | 17.65 | 167 | 760871 | 8.629 | ng/ul | 99 |
| 77) Fluoranthene | 19.26 | 202 | 8227110 | 70.354 | ng/ul | 97 |
| 80) Pyrene | 19.61 | 202 | 6966817 | 56.146 | ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.32 | 228 | 3558354 | 29.347 | ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 56014 | 1.010 | ng/ul# | 67 |
| 85) Chrysene | 21.37 | 228 | 3838533 | 32.270 | ng/ul | 96 |
| 88) Benzo(b)fluoranthene | 22.98 | 252 | 4840596 | 35.748 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 23.02 | 252 | 1839707m | 13.229 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 23.59 | 252 | 3412984 | 27.011 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 26.12 | 276 | 2509662 | 15.838 | ng/ul | 94 |
| 93) Dibenzo(a,h)anthracene | 26.13 | 278 | 608784 | 4.584 | ng/ul# | 85 |
| 94) Benzo(g,h,i)perylene | 26.87 | 276 | 1892484 | 14.235 | ng/ul | 94 |

> JU 12/28/20

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