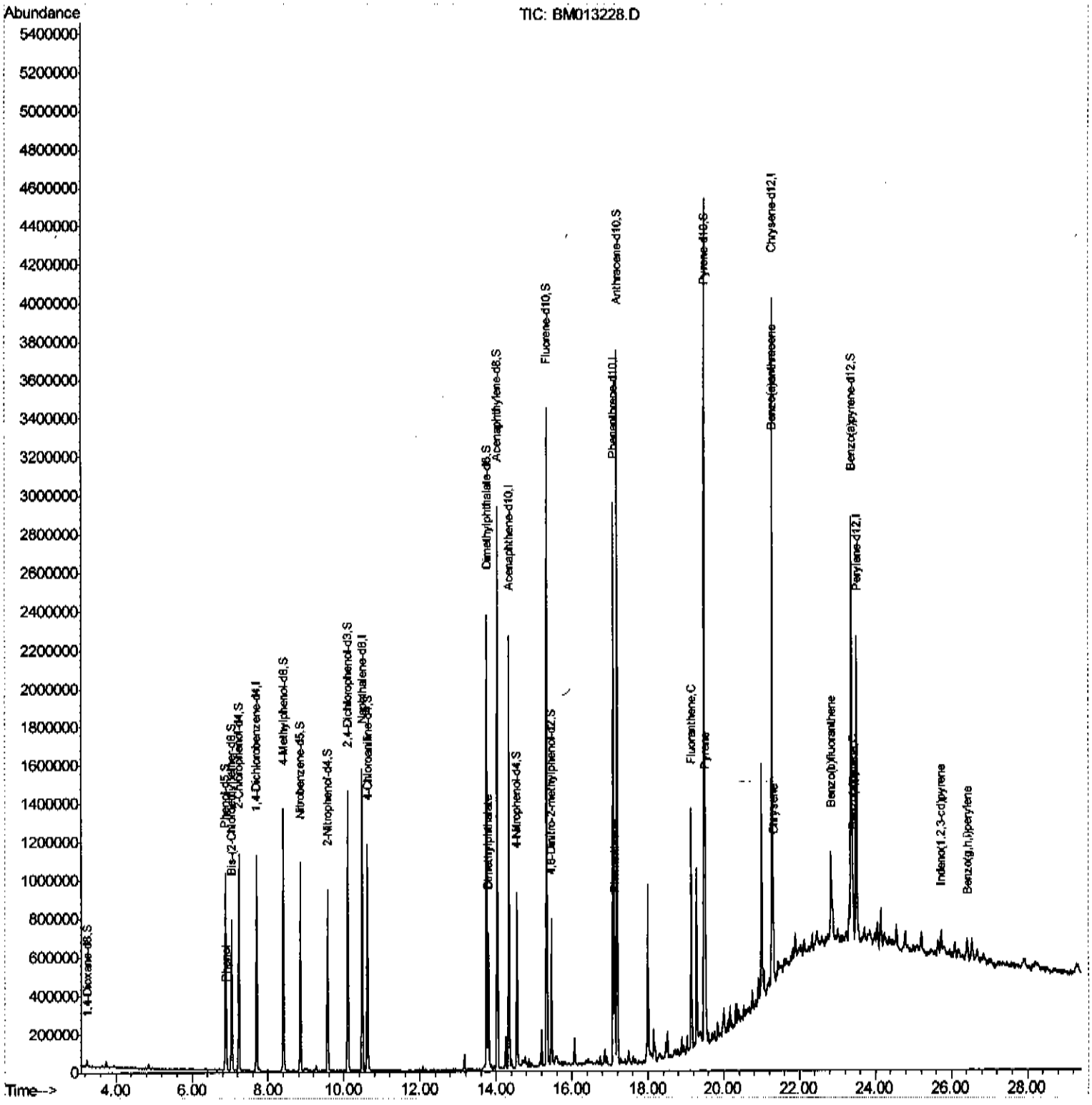
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013228.D
Acq On : 07 Dec 2017 02:18
Operator : SJ/JU
Sample : I6647-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 07 06:01:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0276

**Manual Integrations APPROVED**
Sohil
12/7/2017 11:41:24 AM

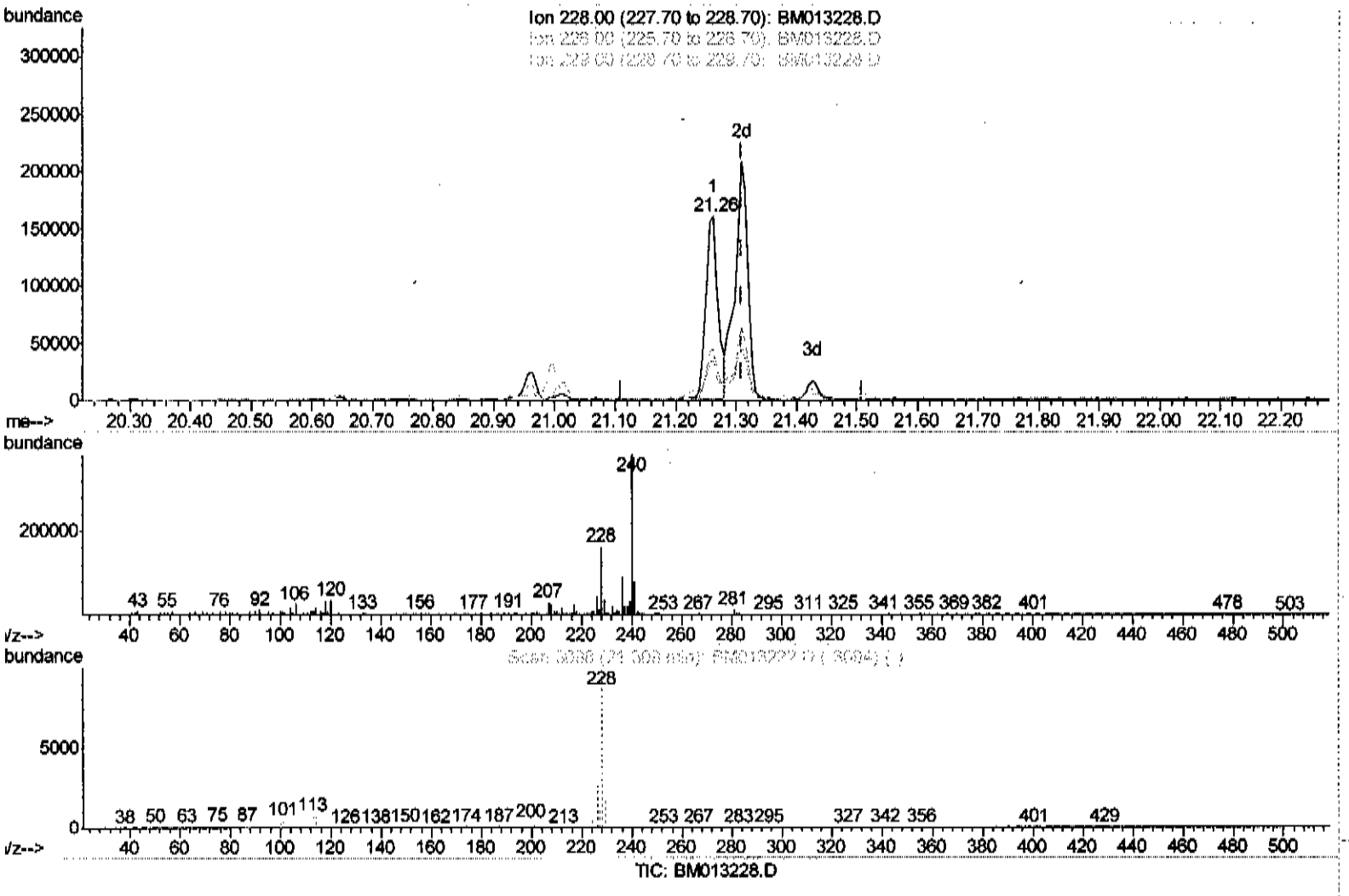


Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013228.D
Acq On : 07 Dec 2017 02:18
Operator : SJ/JU
Sample : I6647-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 07 04:37:39 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0276

**Manual Integrations APPROVED**
Sohil
12/7/2017 11:41:24 AM



TIC: BM013228.D

(82) Chrysene

21.262min (-0.047) 2.51ng/ul

response 227850

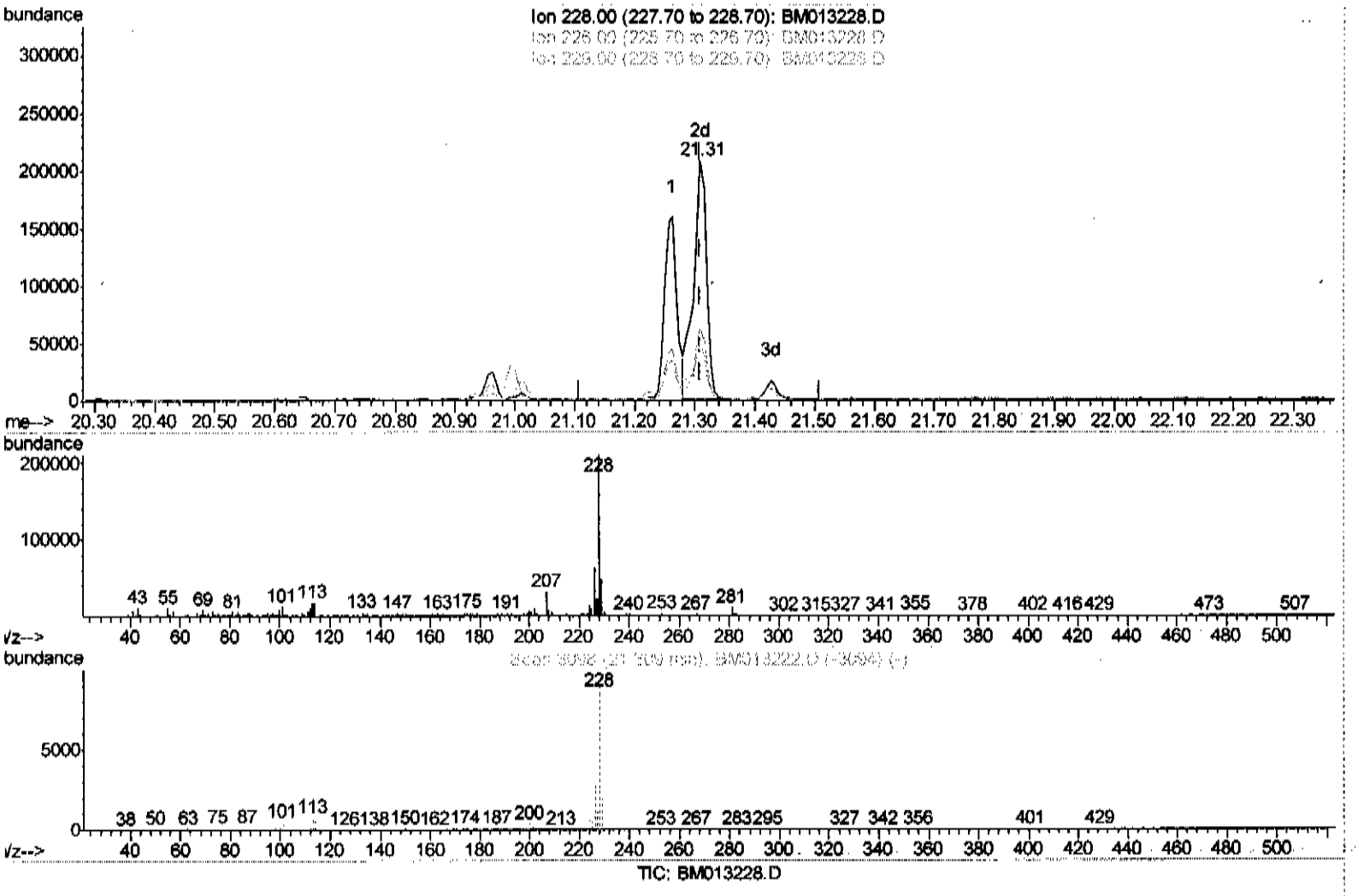
| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 27.65 |
| 229.00 | 19.40 | 22.10 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013228.D
Acq On : 07 Dec 2017 02:18
Operator : SJ/JU
Sample : I6647-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 07 04:37:39 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0276

**Manual Integrations APPROVED**
Sohil
12/7/2017 11:41:24 AM




(82) Chrysene

21.309min (+0.000) 3.42ng/ul m SJ 12/07/17

response 310497

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 29.93 |
| 229.00 | 19.40 | 23.46# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013228.D
Acq On : 07 Dec 2017 02:18
Operator : SJ/JU
Sample : I6647-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0276

Manual Integrations APPROVED
Sohil
12/7/2017 11:41:24 AM

Quant Time: Dec 07 06:01:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 284145 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.48 | 136 | 1236294 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.34 | 164 | 727935 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.09 | 188 | 1648126 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.27 | 240 | 1543385 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.51 | 264 | 1211566 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.24 | 96 | 20379 | 3.55 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.88 | 99 | 551293 | 22.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.04 | 67 | 331969 | 23.67 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 470455 | 24.49 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.40 | 113 | 481052 | 22.90 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 239431 | 24.42 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 265473 | 25.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.10 | 165 | 504162 | 23.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.62 | 131 | 577173 | 29.04 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.76 | 166 | 1505950 | 23.25 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.03 | 160 | 1989930 | 24.89 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.55 | 143 | 204757 | 18.19 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.34 | 176 | 1329696 | 23.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 155329 | 14.98 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.19 | 188 | 2046396 | 24.79 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.49 | 212 | 2235635 | 29.07 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.36 | 264 | 1520217 | 24.63 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.90 | 94 | 57908 | 2.383 | ng/ul# | 85 |
| 44) Dimethylphthalate | 13.80 | 163 | 413277 | 6.671 | ng/ul | 97 |
| 69) Phenanthrene | 17.13 | 178 | 389227 | 4.157 | ng/ul | 98 |
| 74) Fluoranthene | 19.14 | 202 | 723595 | 6.306 | ng/ul# | 93 |
| 77) Pyrene | 19.51 | 202 | 693389 | 7.395 | ng/ul# | 91 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 227850 | 2.327 | ng/ul | 96 |
| 82) Chrysene | 21.31 | 228 | 310497m | 3.418 | ng/ul | |
| 85) Benzo(b)fluoranthene | 22.83 | 252 | 334356 | 4.094 | ng/ul# | 92 |
| 88) Benzo(a)pyrene | 23.41 | 252 | 169371 | 2.309 | ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 127011 | 1.745 | ng/ul# | 95 |
| 91) Benzo(g,h,i)perylene | 26.42 | 276 | 124091 | 2.161 | ng/ul# | 93 |

SJ 12/07/17

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