

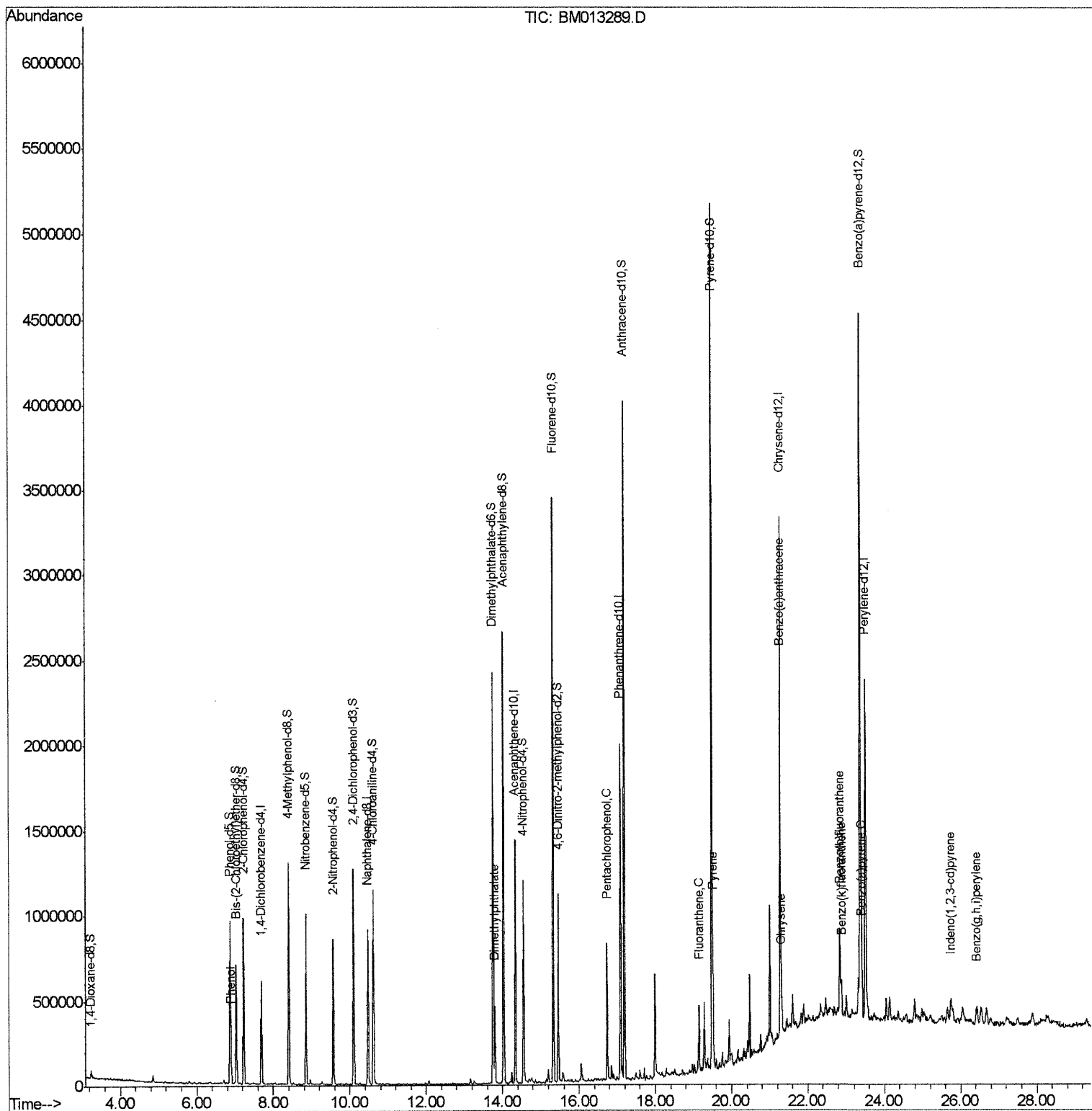
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\  
Data File : BM013289.D  
Acq On : 09 Dec 2017 03:33  
Operator : SJ/JU  
Sample : I6759-05  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
F9A13

Manual Integrations  
APPROVED

Sohil  
12/11/2017 6:16:18 PM

Quant Time: Dec 09 04:56:34 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 08 23:45:50 2017  
Response via : Initial Calibration



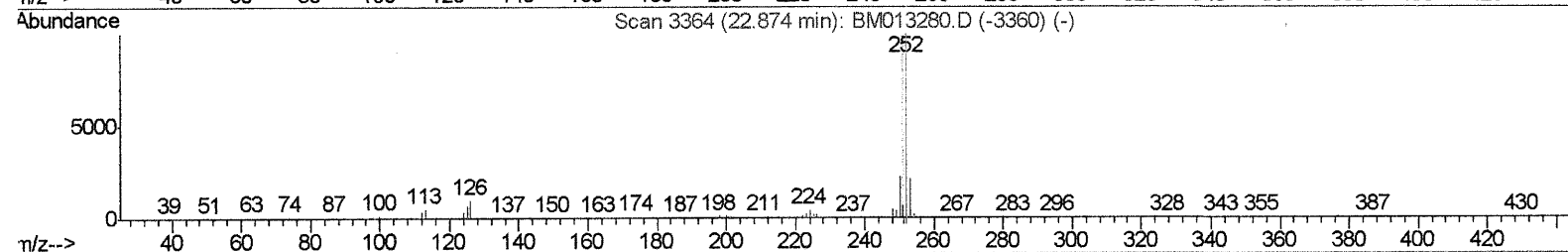
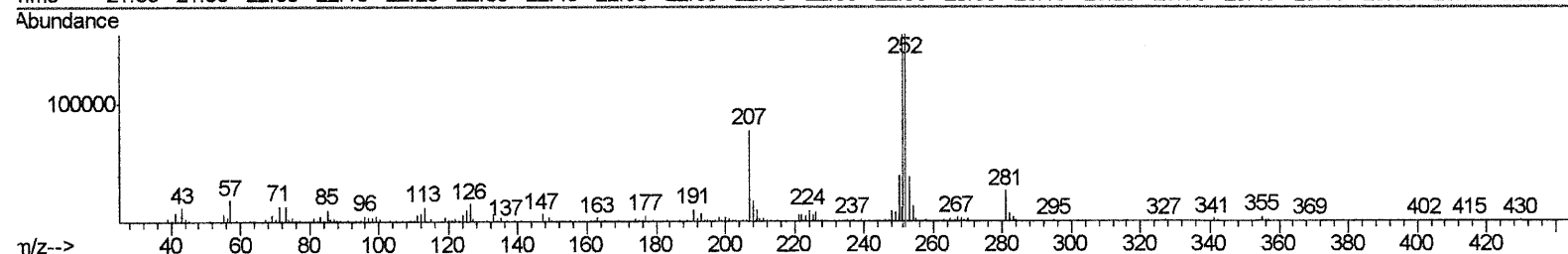
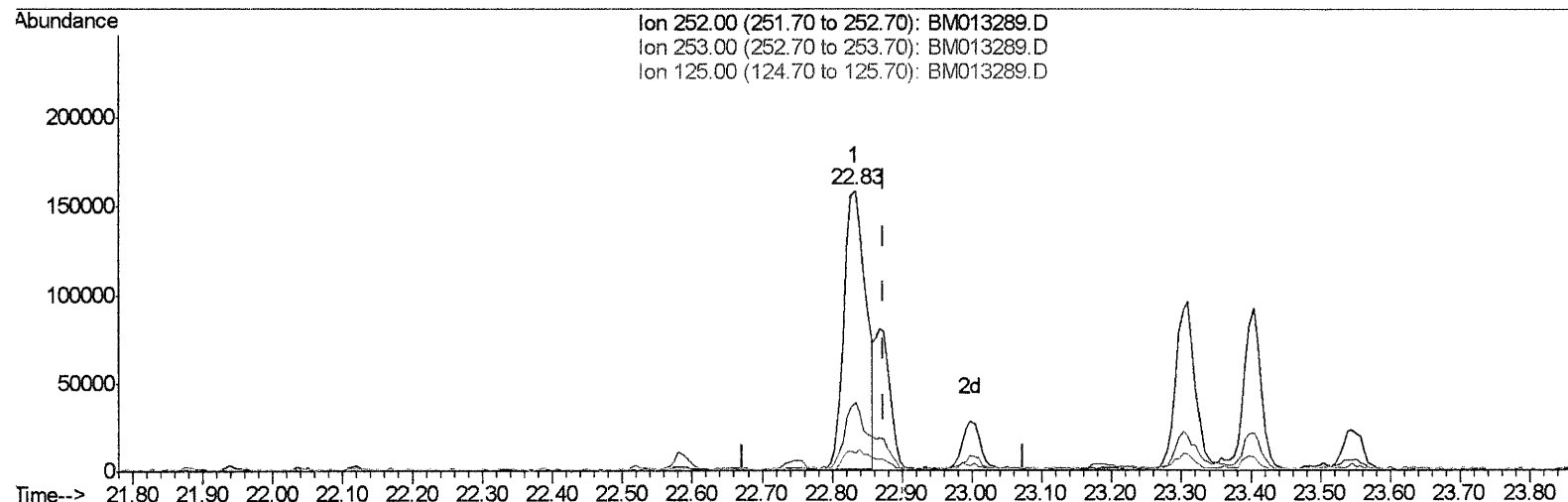
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TIC: BM013289.D

(86) Benzo(k)fluoranthene

22.833min (-0.041) 3.78ng/ul

response 347485

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.41 |
| 125.00 | 4.30  | 6.52# |
| 0.00   | 0.00  | 0.00  |

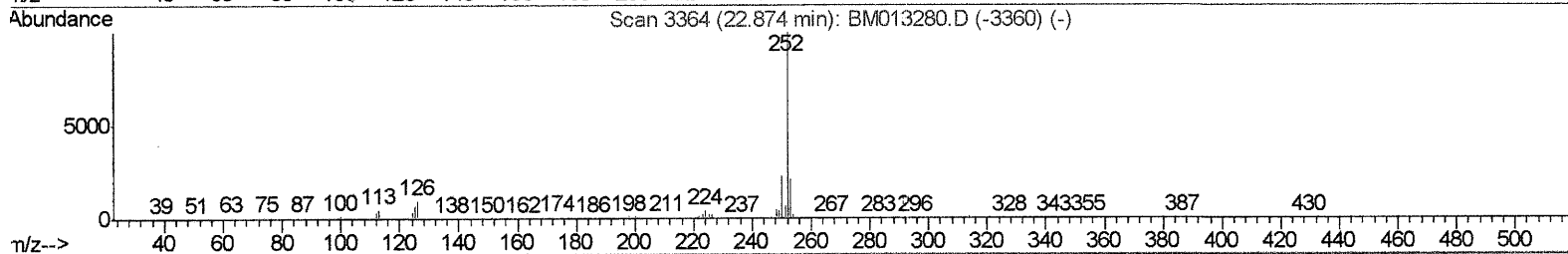
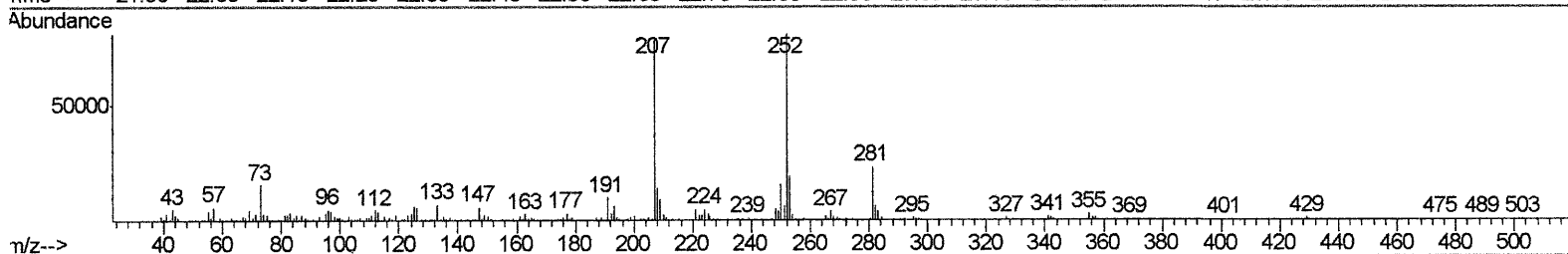
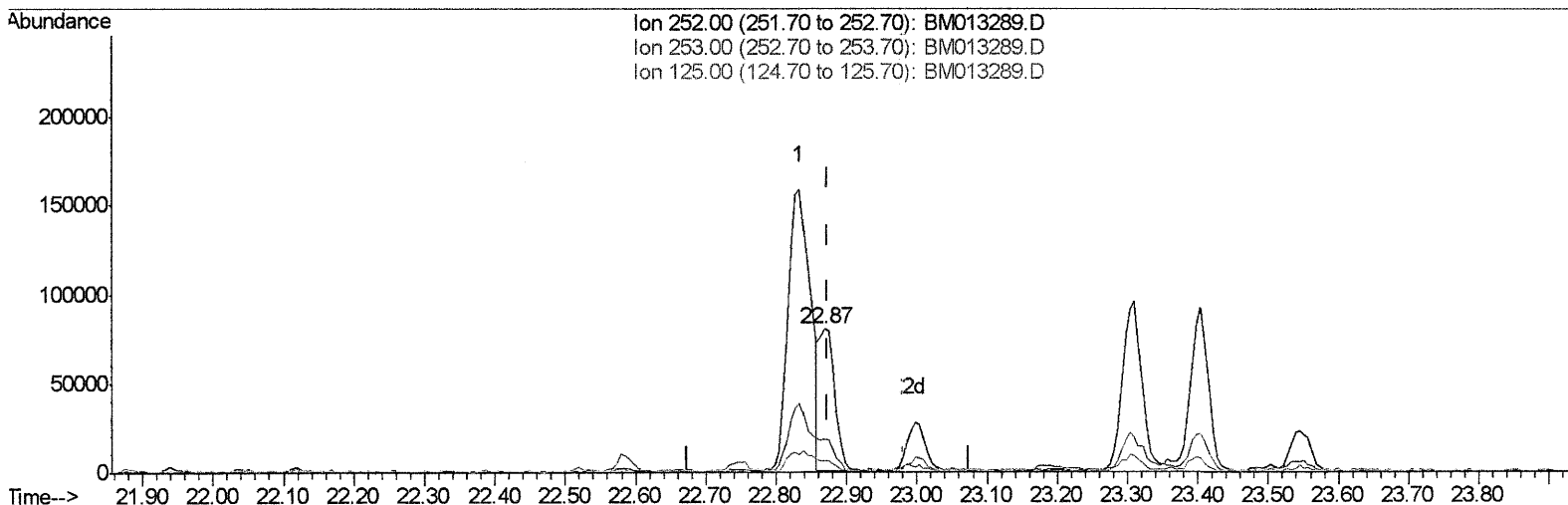
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 ClientSampled :  
 F9A13

Manual Integrations  
 APPROVED

Sohil  
 12/11/2017 6:16:18 PM

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 QLast Update : Fri Dec 08 23:45:50 2017  
 Response via : Initial Calibration



TIC: BM013289.D

(86) Benzo(k)fluoranthene

22.868min (-0.006) 1.34ng/ui m> SJ 12/11/17

response 123127

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.59 |
| 125.00 | 4.30  | 8.18# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\  
 Data File : BM013289.D  
 Acq On : 09 Dec 2017 03:33  
 Operator : SJ/JU  
 Sample : I6759-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A13

Manual Integrations  
 APPROVED

Sohil  
 12/11/2017 6:16:18 PM

Quant Time: Dec 09 04:56:34 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 08 23:45:50 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 161657   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 704533   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 443937   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 1077226  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 1396615  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.50 | 264  | 1448572  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 20526   | 6.29  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 484415  | 34.63 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 291483  | 36.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 393843  | 36.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 432139  | 36.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 210586  | 37.69 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 237408  | 39.70 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 437175  | 35.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.61 | 131 | 557574  | 49.23 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1553474 | 39.32 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 1874644 | 38.45 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 246824  | 35.96 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 1306673 | 38.46 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 218065  | 32.18 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.18 | 188 | 2105055 | 39.02 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.48 | 212 | 2528734 | 36.34 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.36 | 264 | 2811526 | 38.10 | ng/ul | 0.00 |

#### Target Compounds

|                            |       |     |         |        | Ovalue |    |
|----------------------------|-------|-----|---------|--------|--------|----|
| 6) Phenol                  | 6.90  | 94  | 71203   | 5.150  | ng/ul# | 86 |
| 44) Dimethylphthalate      | 13.79 | 163 | 263498  | 6.974  | ng/ul  | 99 |
| 68) Pentachlorophenol      | 16.73 | 266 | 129794  | 16.070 | ng/ul  | 97 |
| 74) Fluoranthene           | 19.14 | 202 | 204469  | 2.726  | ng/ul# | 93 |
| 77) Pvrene                 | 19.50 | 202 | 322205  | 3.797  | ng/ul# | 95 |
| 80) Benzo(a)anthracene     | 21.26 | 228 | 144685  | 1.633  | ng/ul  | 96 |
| 82) Chrysene               | 21.30 | 228 | 139967  | 1.703  | ng/ul  | 99 |
| 85) Benzo(b)fluoranthene   | 22.83 | 252 | 347485  | 3.558  | ng/ul# | 95 |
| 86) Benzo(k)fluoranthene   | 22.87 | 252 | 123127m | 1.340  | ng/ul  |    |
| 88) Benzo(a)pyrene         | 23.40 | 252 | 157393  | 1.794  | ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 130825  | 1.503  | ng/ul# | 97 |
| 91) Benzo(g,h,i)perylene   | 26.41 | 276 | 124763  | 1.817  | ng/ul# | 90 |

SJ 12/11/17

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