

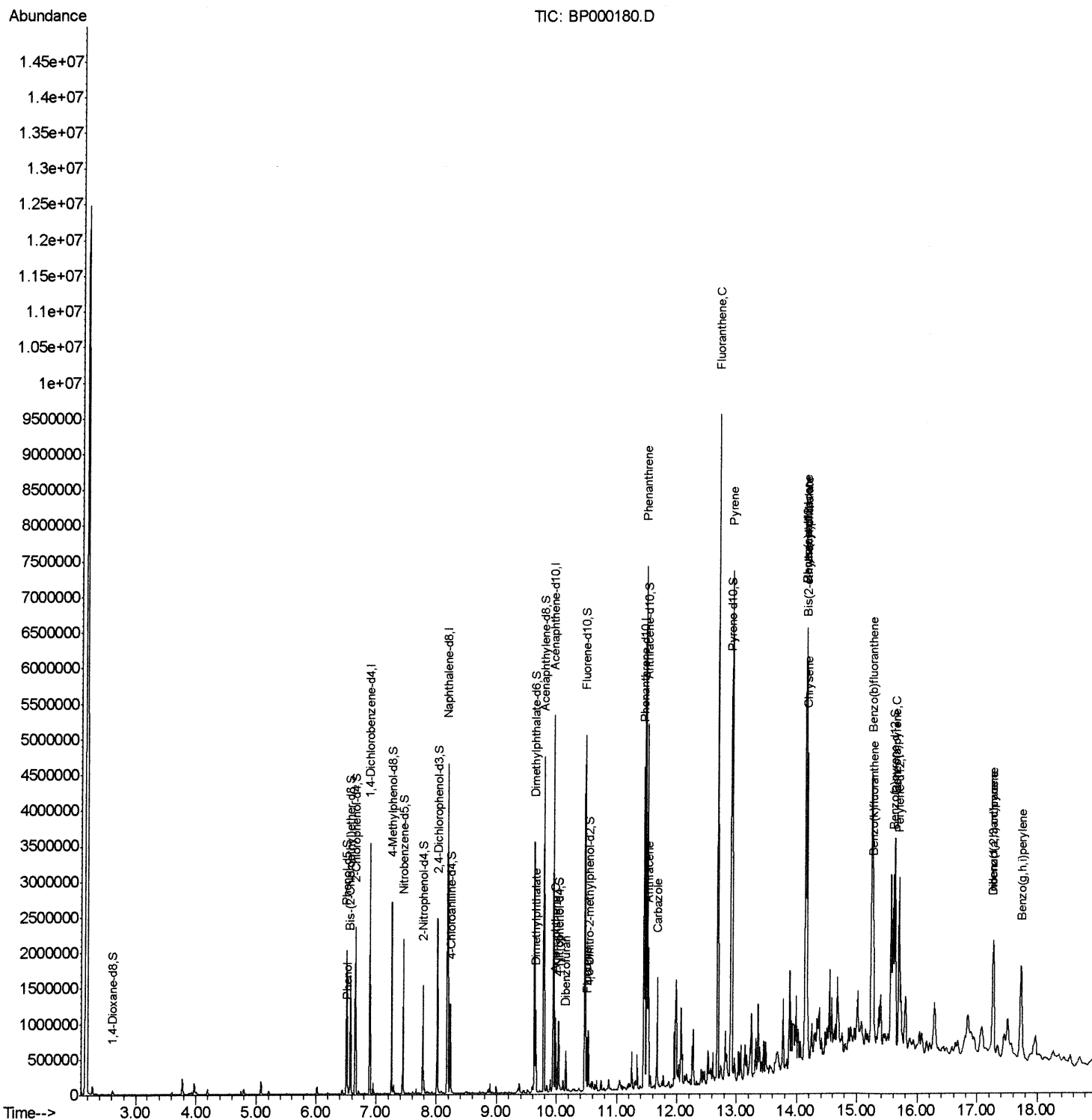
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\  
Data File : BP000180.D  
Acq On : 10 Sep 2019 21:26  
Operator : HP/JU  
Sample : K4634-16  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampled :  
F2D34

Manual Integrations  
APPROVED

mohammad  
9/12/2019 9:29:26 AM

Quant Time: Sep 11 03:44:46 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 02:43:18 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

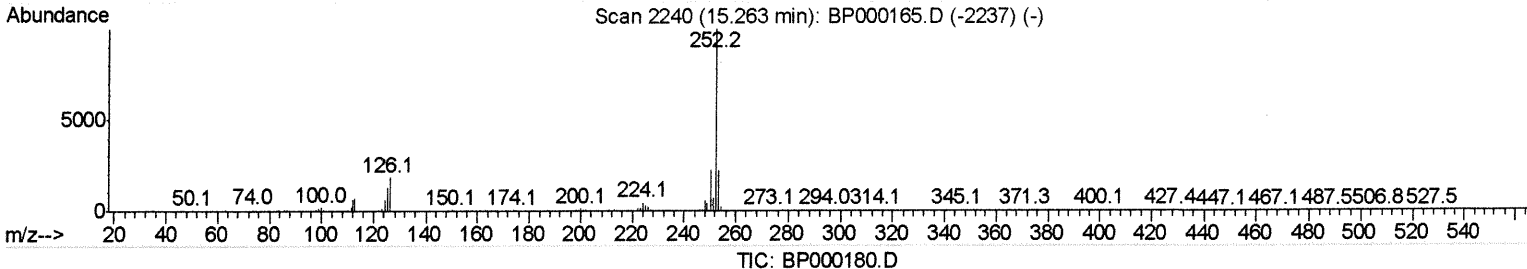
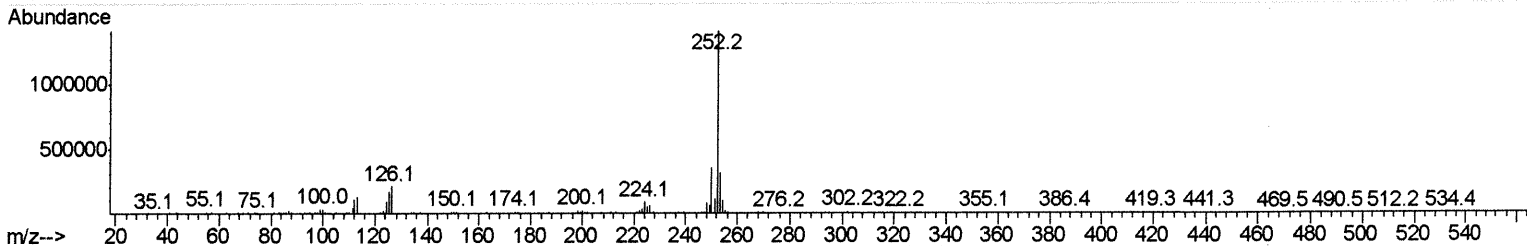
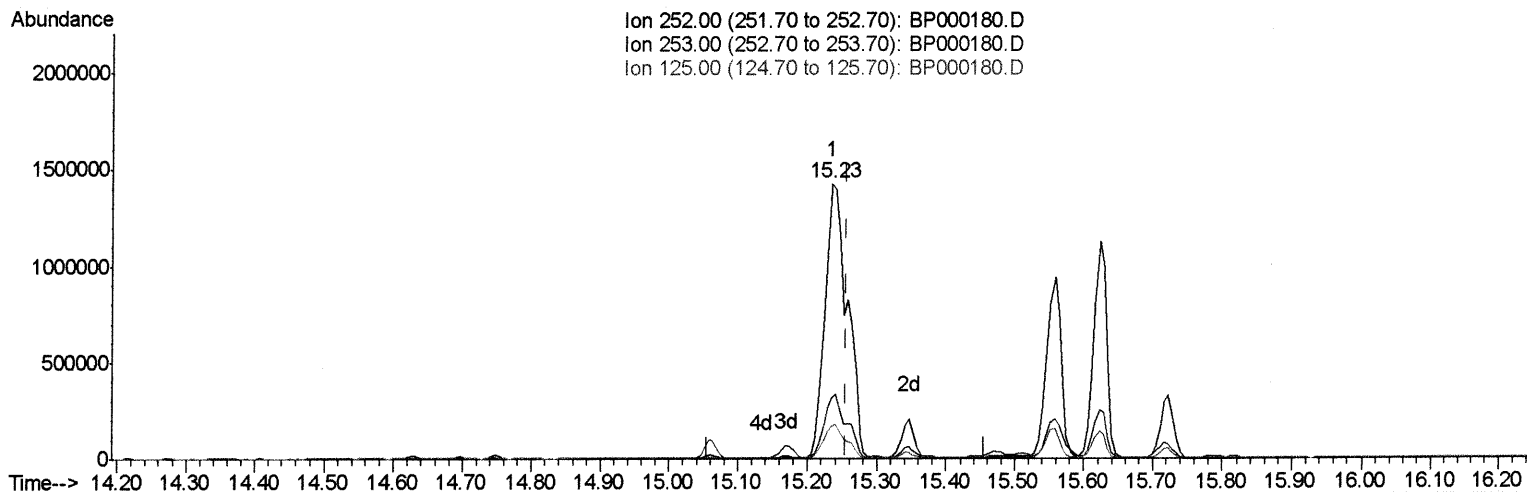
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Quant Time: Sep 11 01:59:32 2019  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 10 02:43:18 2019  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene  
 15.234min (-0.023) 30.75ng/ul

response 2437426

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 22.15 |
| 125.00 | 12.70 | 12.00 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

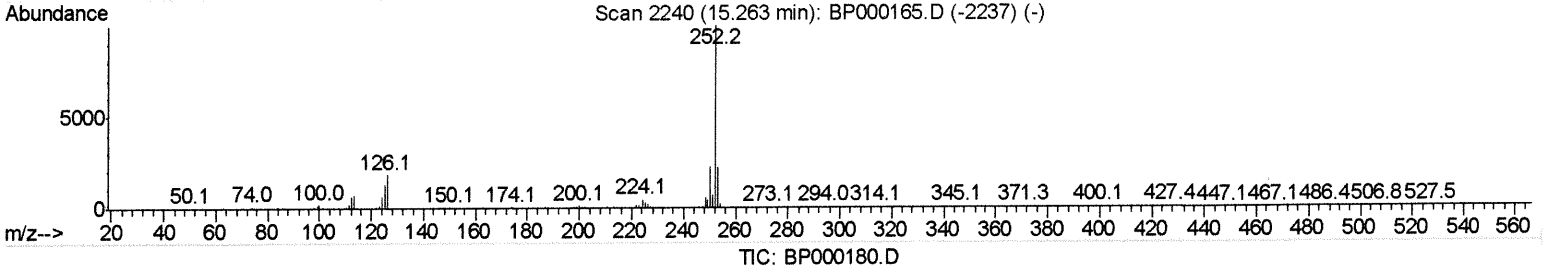
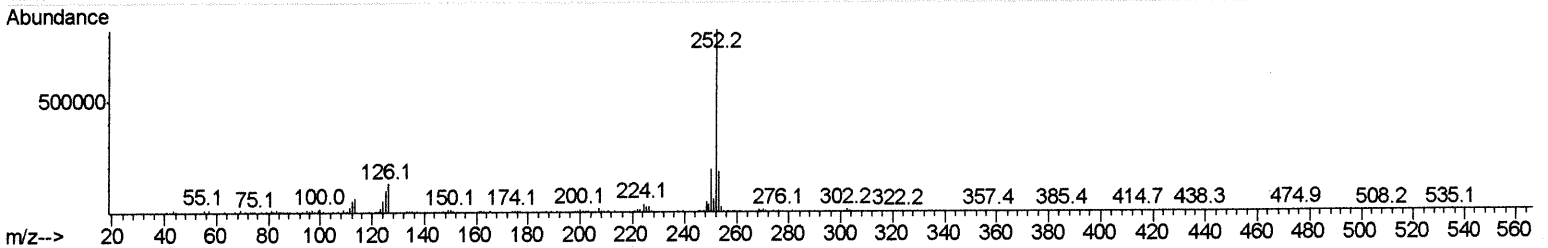
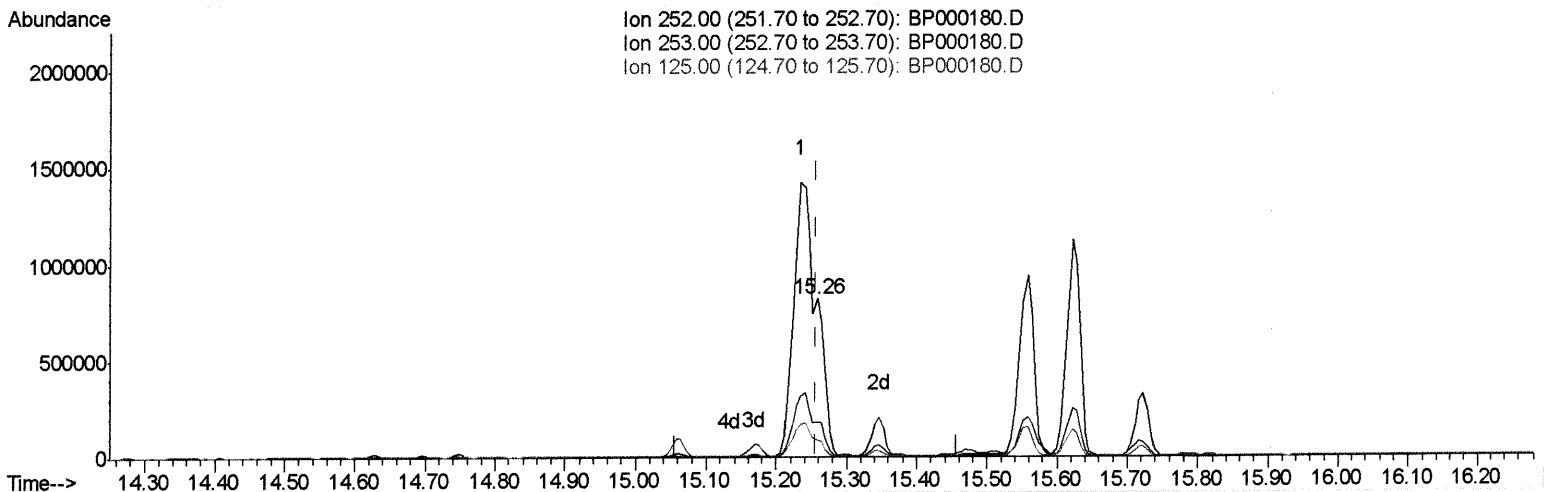
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 BNA\_P  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

mohammad  
 9/12/2019 9:29:26 AM

Quant Time: Sep 11 01:59:32 2019  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 10 02:43:18 2019  
 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

15.257min (+0.000) 9.10ng/ul m

JU  
 09/13/19

response 721405

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 21.80 |
| 125.00 | 12.70 | 11.48 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091019\  
 Data File : BP000180.D  
 Acq On : 10 Sep 2019 21:26  
 Operator : HP/JU  
 Sample : K4634-16  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 F2D34

Manual Integrations  
 APPROVED

mohammad  
 9/12/2019 9:29:26 AM

Quant Time: Sep 11 03:44:46 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Sep 10 02:43:18 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 491724   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 8.18  | 136  | 1894960  | 20.00 | ng/ul | 0.00      |
| 36) Acenaphthene-d10      | 9.95  | 164  | 997034   | 20.00 | ng/ul | 0.00      |
| 62) Phenanthrene-d10      | 11.45 | 188  | 1698005  | 20.00 | ng/ul | 0.00      |
| 78) Chrysene-d12          | 14.15 | 240  | 1122578  | 20.00 | ng/ul | 0.00      |
| 86) Perylene-d12          | 15.69 | 264  | 1268578  | 20.00 | ng/ul | 0.00      |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.62  | 96  | 40073   | 2.89  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.50  | 99  | 715175  | 17.08 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 6.57  | 67  | 380101  | 17.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.66  | 132 | 587402  | 17.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 7.26  | 113 | 521759  | 16.58 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 7.45  | 128 | 281079  | 19.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 7.78  | 143 | 303202  | 21.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 8.02  | 165 | 504836  | 16.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 8.23  | 131 | 337388  | 9.18  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 9.63  | 166 | 1371090 | 18.62 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 9.79  | 160 | 1682294 | 18.49 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 10.03 | 143 | 166168  | 12.63 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 10.47 | 176 | 1147829 | 18.36 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 10.52 | 200 | 113211  | 14.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 11.50 | 188 | 1546600 | 18.81 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 12.90 | 212 | 1453259 | 21.77 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 15.59 | 264 | 1281617 | 19.49 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         | Ovalue |                     |
|--------------------------------|-------|-----|---------|--------|---------------------|
| 6) Phenol                      | 6.52  | 94  | 144194  | 3.303  | ng/ul 98            |
| 45) Dimethylphthalate          | 9.65  | 163 | 378212  | 5.091  | ng/ul 100           |
| 50) Acenaphthene               | 9.98  | 153 | 209709  | 3.184  | ng/ul 99            |
| 54) Dibenzofuran               | 10.15 | 168 | 142868  | 1.581  | ng/ul 100           |
| 59) Fluorene                   | 10.50 | 166 | 199028  | 2.847  | ng/ul 98            |
| 70) Phenanthrene               | 11.48 | 178 | 2596415 | 25.857 | ng/ul 98            |
| 72) Anthracene                 | 11.52 | 178 | 658014  | 6.659  | ng/ul 99            |
| 75) Carbazole                  | 11.68 | 167 | 541339  | 6.408  | ng/ul 97            |
| 77) Fluoranthene               | 12.69 | 202 | 3760159 | 37.126 | ng/ul 100           |
| 80) Pyrene                     | 12.92 | 202 | 3046535 | 35.971 | ng/ul 98            |
| 83) Benzo(a)anthracene         | 14.13 | 228 | 1859628 | 22.885 | ng/ul 99            |
| 84) Bis(2-ethylhexyl)phthalate | 14.15 | 149 | 140157  | 3.037  | ng/ul 100           |
| 85) Chrysene                   | 14.17 | 228 | 1712498 | 22.966 | ng/ul 98            |
| 88) Benzo(b)fluoranthene       | 15.23 | 252 | 2437426 | 28.990 | ng/ul 99            |
| 89) Benzo(k)fluoranthene       | 15.26 | 252 | 721405m | 9.102  | ng/ul > 50 09/12/19 |
| 91) Benzo(a)pyrene             | 15.62 | 252 | 1471733 | 18.656 | ng/ul 99            |
| 92) Indeno(1,2,3-cd)pyrene     | 17.26 | 276 | 1200755 | 13.231 | ng/ul 98            |
| 93) Dibenzo(a,h)anthracene     | 17.26 | 278 | 328341  | 4.368  | ng/ul 96            |
| 94) Benzo(a,h,i)perylene       | 17.73 | 276 | 1187724 | 15.697 | ng/ul 98            |

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