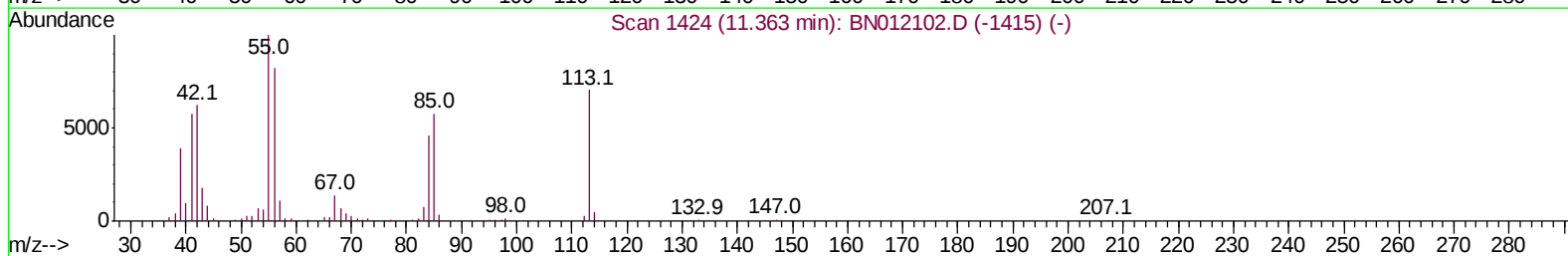
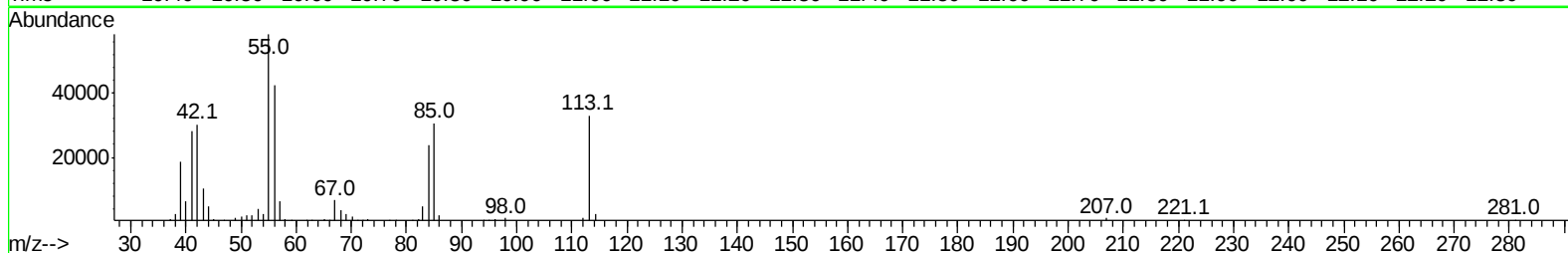
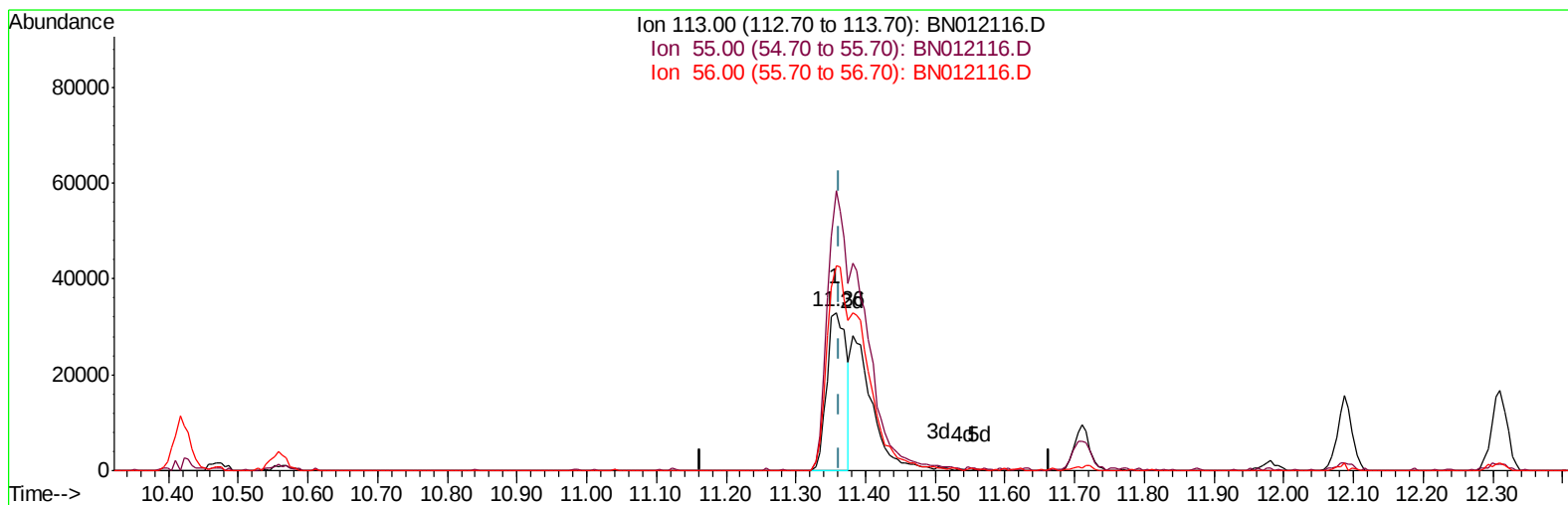


Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100820\  
Data File : BN012116.D  
Acq On : 08 Oct 2020 23:22  
Operator : CG/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 03:01:17 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 08 15:35:30 2020  
Response via : Initial Calibration



TIC: BN012116.D

(32) Caprolactam

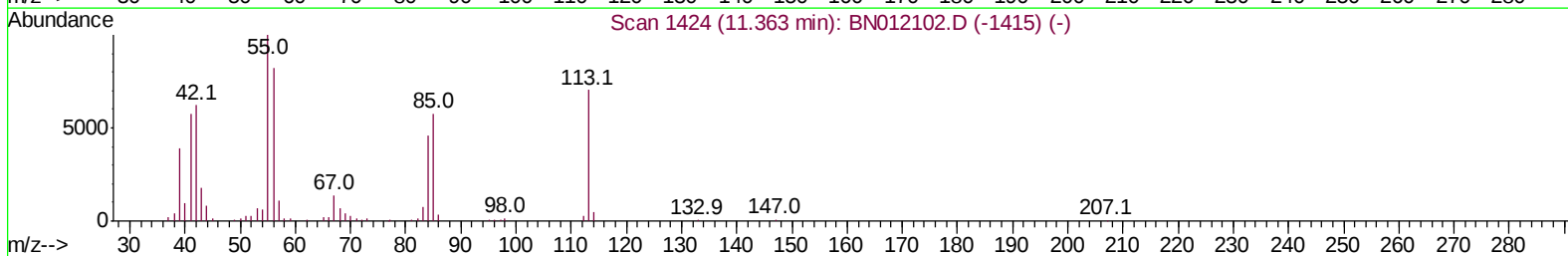
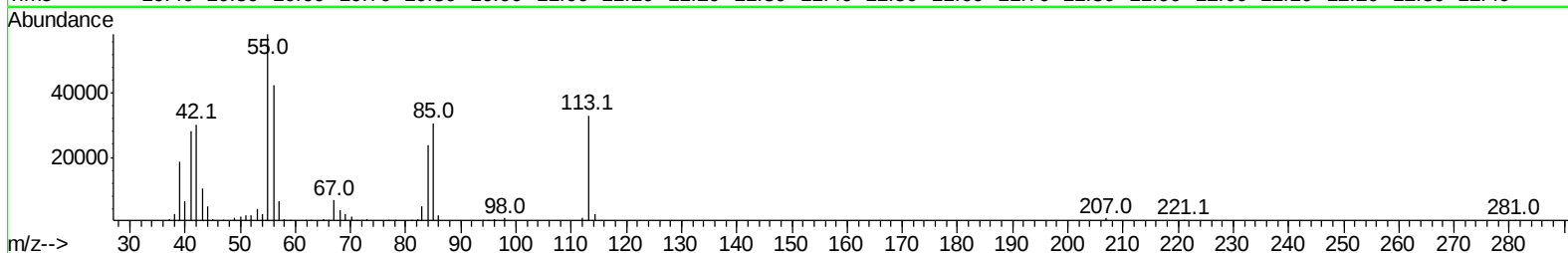
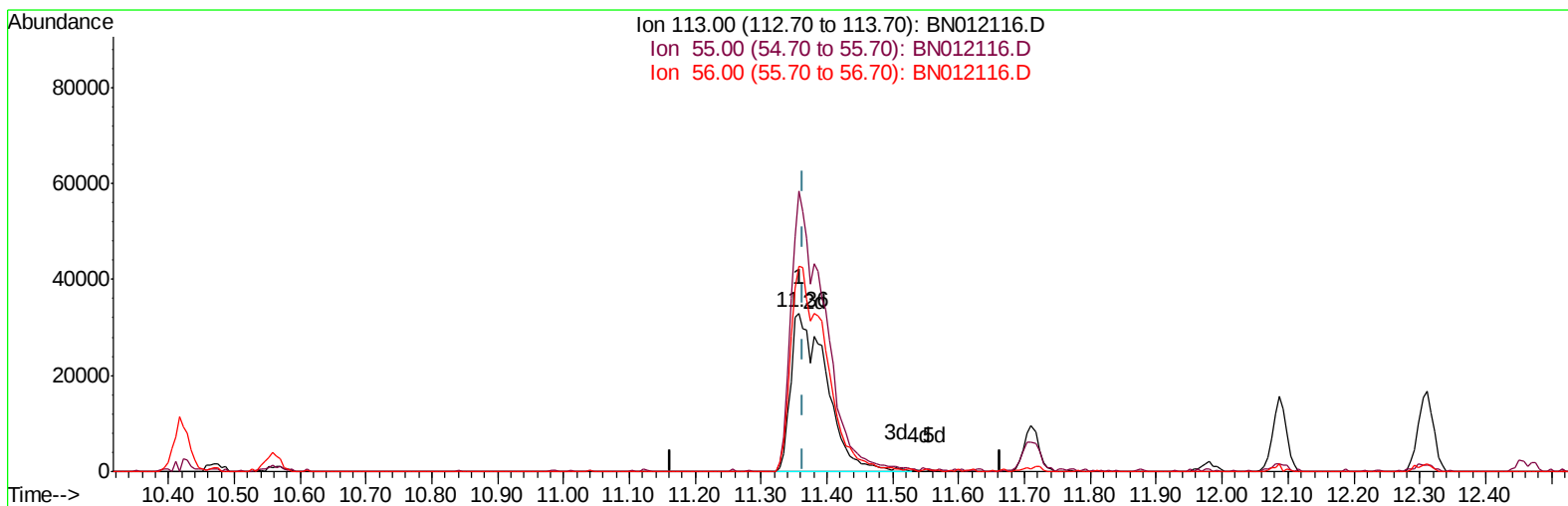
11.357min (-0.006) 9.73ng/ul

response 64290

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 157.00 | 176.67 |
| 56.00  | 122.90 | 129.09 |
| 0.00   | 0.00   | 0.00   |

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 08 15:35:30 2020  
Response via : Initial Calibration



TIC: BN012116.D

(32) Caprolactam

11.357min (-0.006) 18.98ng/ul m

response 125376

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 157.00 | 176.67 |
| 56.00  | 122.90 | 129.09 |
| 0.00   | 0.00   | 0.00   |

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 QLast Update : Thu Oct 08 15:35:30 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 364299   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 1436626  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 894737   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 1824245  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 1811893  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 1850313  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 51454   | 6.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 509354  | 16.75 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 307422  | 16.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 422246  | 17.17 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 412284  | 17.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 194841  | 17.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 225484  | 18.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 400237  | 16.92 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 522050  | 18.72 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 1149541 | 16.38 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 1436827 | 17.15 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 213254  | 16.50 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.28 | 176 | 993607  | 16.22 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 190840  | 16.39 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 1491862 | 16.86 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 1566736 | 16.44 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 1683846 | 16.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 62720   | 5.967  | ng/uL  | 97 |
| 4) Benzaldehyde                | 6.80  | 77  | 345142  | 19.720 | ng/ul  | 93 |
| 6) Phenol                      | 6.85  | 94  | 534072  | 16.887 | ng/ul  | 92 |
| 8) Bis(2-Chloroethyl)ether     | 7.08  | 93  | 427729  | 16.647 | ng/ul  | 99 |
| 10) 2-Chlorophenol             | 7.22  | 128 | 431056  | 16.951 | ng/ul  | 99 |
| 11) 2-Methylphenol             | 8.09  | 108 | 394346  | 16.787 | ng/ul  | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 551857  | 16.654 | ng/ul  | 97 |
| 14) Acetophenone               | 8.46  | 105 | 642238  | 16.837 | ng/ul  | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 338502  | 17.684 | ng/ul  | 95 |
| 16) 4-Methylphenol             | 8.41  | 108 | 425863  | 16.906 | ng/ul  | 95 |
| 17) Hexachloroethane           | 8.71  | 117 | 189287  | 16.360 | ng/ul  | 94 |
| 20) Nitrobenzene               | 8.83  | 77  | 524435  | 16.633 | ng/ul  | 99 |
| 21) Isophorone                 | 9.36  | 82  | 914911  | 17.311 | ng/ul  | 98 |
| 23) 2-Nitrophenol              | 9.54  | 139 | 238777  | 17.498 | ng/ul  | 98 |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 486645  | 16.435 | ng/ul  | 93 |
| 25) Bis(2-Chloroethoxy)methane | 9.84  | 93  | 566992  | 17.096 | ng/ul  | 99 |
| 27) 2,4-Dichlorophenol         | 10.07 | 162 | 410785  | 17.145 | ng/ul  | 99 |
| 28) Naphthalene                | 10.47 | 128 | 1367961 | 16.637 | ng/ul  | 97 |
| 30) 4-Chloroaniline            | 10.58 | 127 | 507832  | 18.078 | ng/ul  | 95 |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 253215  | 15.610 | ng/ul  | 98 |
| 32) Caprolactam                | 11.36 | 113 | 125376m | 18.977 | ng/ul  |    |
| 33) 4-Chloro-3-methylphenol    | 11.71 | 107 | 445487  | 17.110 | ng/ul  | 94 |
| 34) 2-Methylnaphthalene        | 12.09 | 142 | 939557  | 16.627 | ng/ul  | 98 |

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 QLast Update : Thu Oct 08 15:35:30 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 35) 1-Methylnaphthalene        | 12.31 | 142  | 924905   | 16.563 | ng/uL  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 453985   | 15.663 | ng/uL  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.44 | 237  | 301087   | 14.691 | ng/uL  | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.70 | 196  | 306598   | 16.871 | ng/uL  | 92       |
| 40) 2,4,5-Trichlorophenol      | 12.78 | 196  | 337959   | 17.240 | ng/uL  | 96       |
| 41) 1,1'-Biphenyl              | 13.11 | 154  | 1205765  | 16.269 | ng/uL  | 94       |
| 42) 2-Chloronaphthalene        | 13.15 | 162  | 960057   | 16.265 | ng/uL  | 96       |
| 43) 2-Nitroaniline             | 13.36 | 65   | 290511   | 17.175 | ng/uL  | 91       |
| 45) Dimethylphthalate          | 13.75 | 163  | 1202145  | 16.622 | ng/uL  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 251780   | 17.836 | ng/uL  | 88       |
| 48) Acenaphthylene             | 14.00 | 152  | 1474568  | 16.752 | ng/uL  | 97       |
| 49) 3-Nitroaniline             | 14.19 | 138  | 240100   | 18.641 | ng/uL  | 87       |
| 50) Acenaphthene               | 14.35 | 153  | 1008929  | 15.948 | ng/uL  | 92       |
| 51) 2,4-Dinitrophenol          | 14.40 | 184  | 139324   | 16.189 | ng/uL  | 89       |
| 53) 4-Nitrophenol              | 14.50 | 109  | 187108   | 15.538 | ng/uL  | 91       |
| 54) Dibenzofuran               | 14.69 | 168  | 1396902  | 16.184 | ng/uL  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 358920   | 17.515 | ng/uL  | 90       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 278756   | 17.036 | ng/uL  | 93       |
| 57) Diethylphthalate           | 15.12 | 149  | 1210901  | 16.269 | ng/uL  | 98       |
| 59) Fluorene                   | 15.34 | 166  | 1167878  | 16.140 | ng/uL  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 561220   | 15.891 | ng/uL  | 95       |
| 61) 4-Nitroaniline             | 15.36 | 138  | 250820   | 18.021 | ng/uL  | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 213156   | 16.832 | ng/uL  | 98       |
| 65) N-Nitrosodiphenylamine     | 15.55 | 169  | 988179   | 16.985 | ng/uL  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.23 | 248  | 336180   | 16.113 | ng/uL  | 94       |
| 67) Hexachlorobenzene          | 16.34 | 284  | 384967   | 15.813 | ng/uL  | 97       |
| 68) Atrazine                   | 16.50 | 200  | 354529   | 16.654 | ng/uL  | 99       |
| 69) Pentachlorophenol          | 16.69 | 266  | 222882   | 15.442 | ng/uL  | 98       |
| 70) Phenanthrene               | 17.07 | 178  | 1839669  | 16.553 | ng/uL  | 100      |
| 72) Anthracene                 | 17.16 | 178  | 1874772  | 16.706 | ng/uL  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 433137   | 16.333 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 14.60 | 250  | 469322   | 17.254 | ng/uL  | 95       |
| 75) Carbazole                  | 17.44 | 167  | 1607771  | 16.500 | ng/uL  | 100      |
| 76) Di-n-butylphthalate        | 18.01 | 149  | 2094703  | 16.929 | ng/uL  | 100      |
| 77) Fluoranthene               | 19.10 | 202  | 2107785  | 16.886 | ng/uL  | 98       |
| 80) Pvrene                     | 19.46 | 202  | 2193310  | 16.782 | ng/uL  | 99       |
| 81) Butylbenzylphthalate       | 20.37 | 149  | 950964   | 17.699 | ng/uL  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 723109   | 17.154 | ng/uL# | 97       |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 1991312  | 16.314 | ng/uL  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 1443816  | 17.509 | ng/uL  | 100      |
| 85) Chrysene                   | 21.27 | 228  | 1924969  | 16.041 | ng/uL  | 99       |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 2458724  | 17.891 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 22.77 | 252  | 2195503  | 16.938 | ng/uL  | 98       |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 2021307  | 15.831 | ng/uL  | 99       |
| 91) Benzo(a)pyrene             | 23.33 | 252  | 1956895  | 16.643 | ng/uL  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.63 | 276  | 2351186  | 15.660 | ng/uL  | 96       |
| 93) Dibenzo(a,h)anthracene     | 25.64 | 278  | 2018637  | 16.320 | ng/uL  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.31 | 276  | 1967426  | 15.387 | ng/uL  | 98       |
| -----                          |       |      |          |        |        |          |

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| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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