

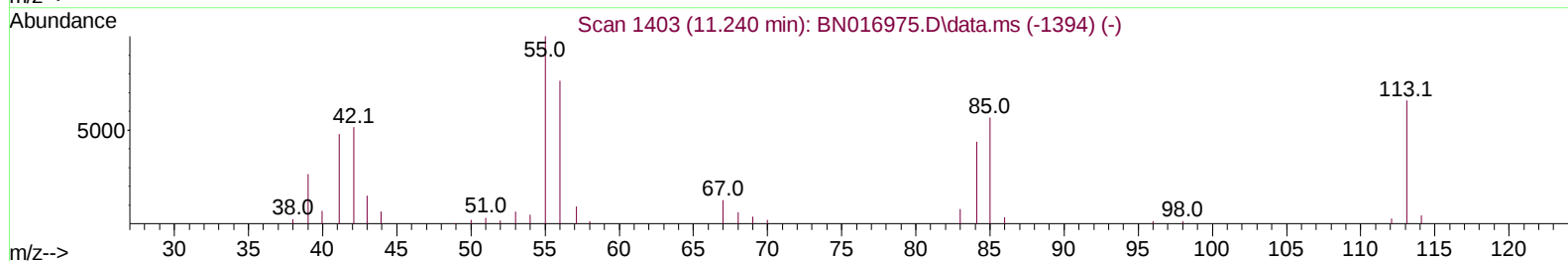
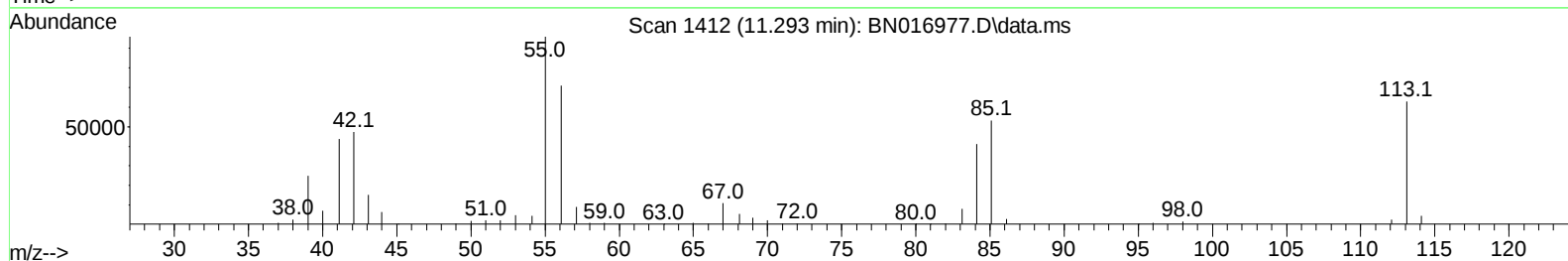
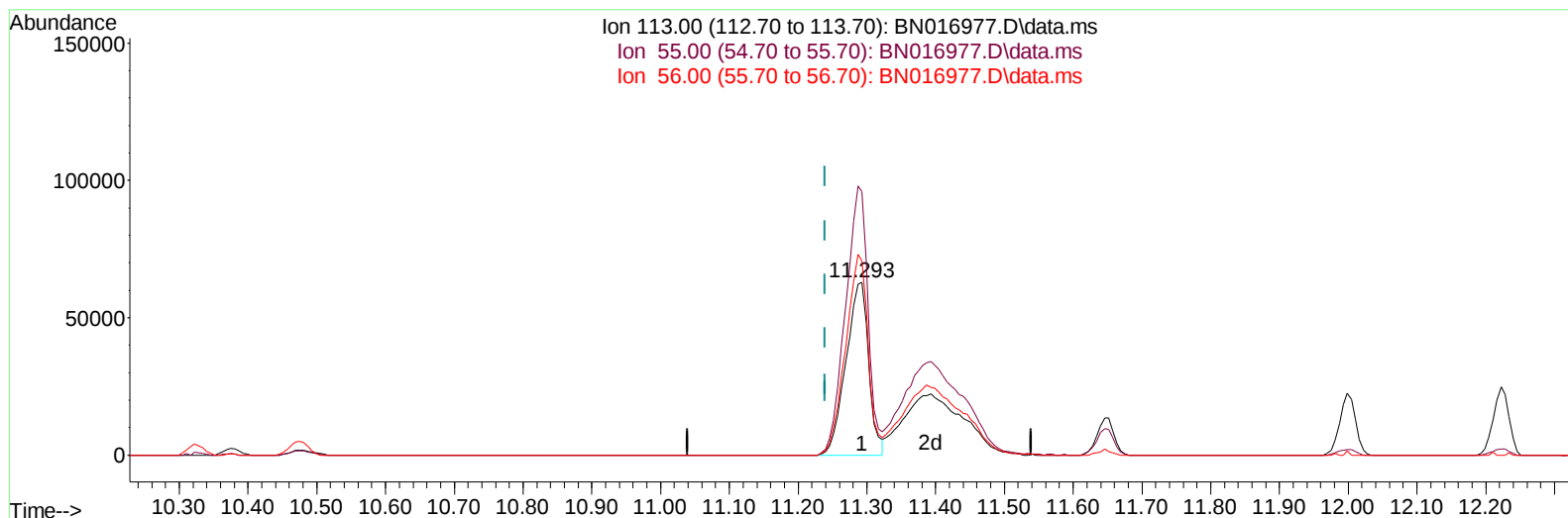
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101521\  
Data File : BN016977.D  
Acq On : 15 Oct 2021 16:28  
Operator : CG/JU  
Sample : SSTD08026  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD080226

Manual Integrations  
APPROVED

mohammad  
10/19/2021 12:08:34 PM

Quant Time: Oct 15 16:57:03 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101521MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 15 15:46:00 2021  
Response via : Initial Calibration



TIC: BN016977.D\data.ms

(34) Caprolactam

11.293min (+ 0.053) 53.80 ng/u1

response 143631

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 152.30 | 152.22 |
| 56.00  | 116.40 | 112.39 |
| 0.00   | 0.00   | 0.00   |

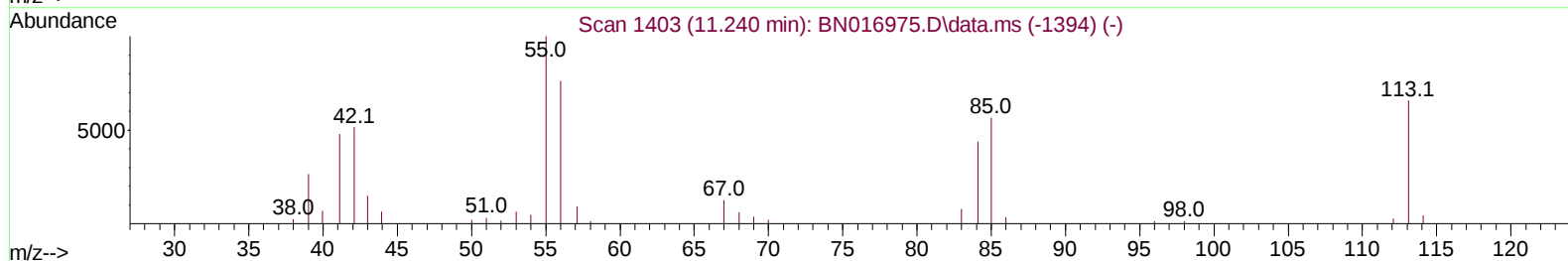
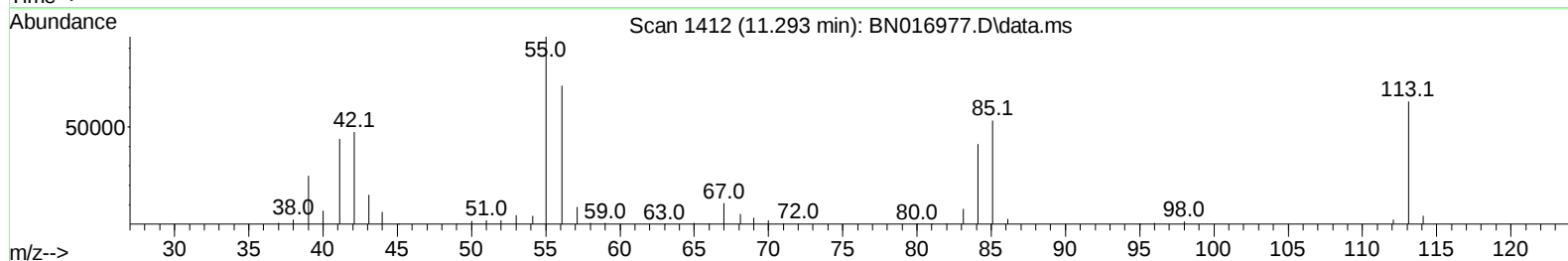
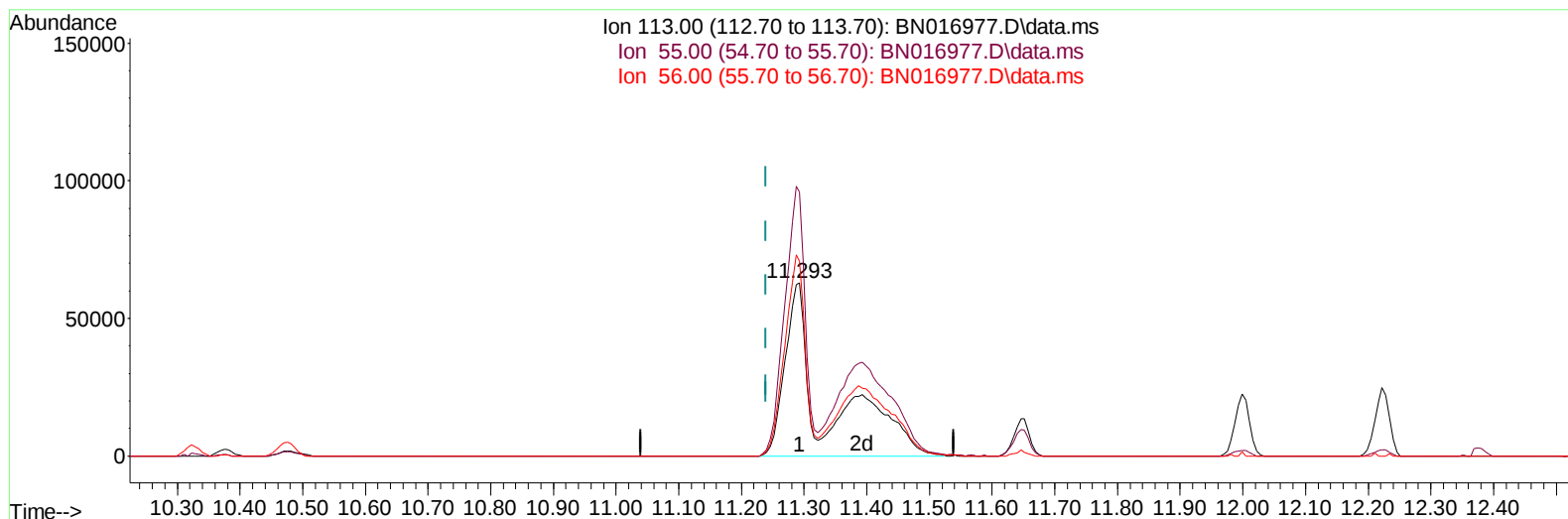
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TIC: BN016977.D\data.ms

(34) Caprolactam

11.293min (+ 0.053) 104.29 ng/ul m

response 278413

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 152.30 | 152.22 |
| 56.00  | 116.40 | 112.39 |
| 0.00   | 0.00   | 0.00   |

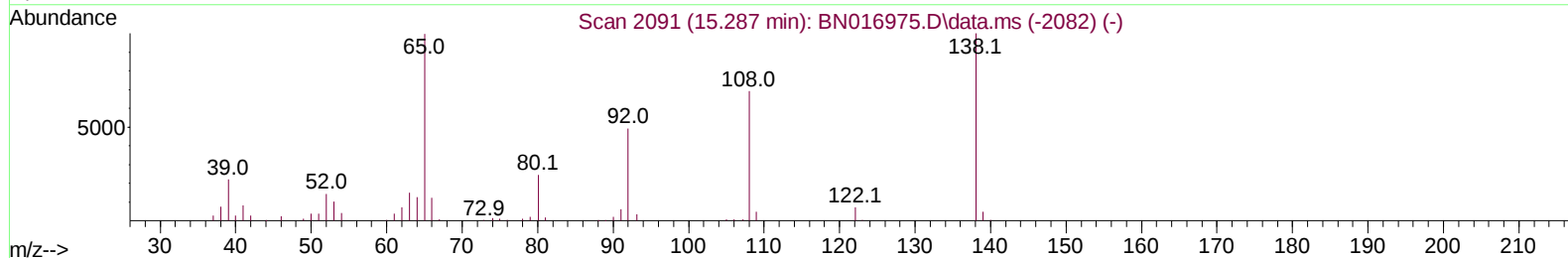
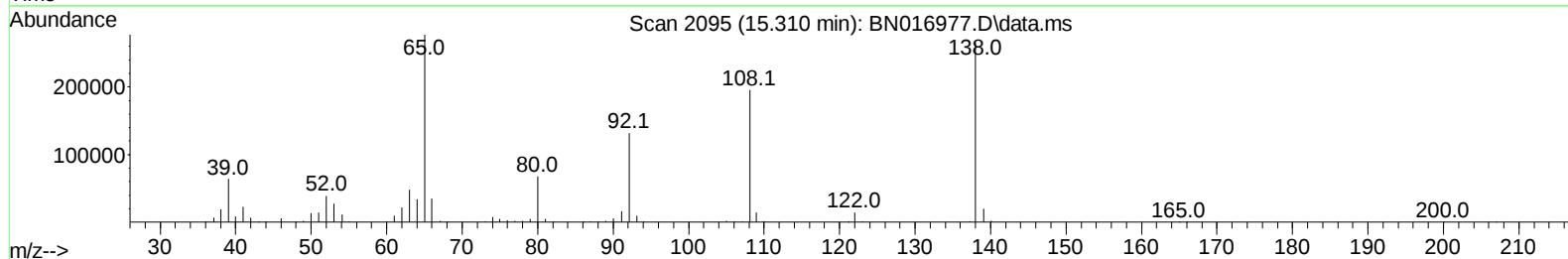
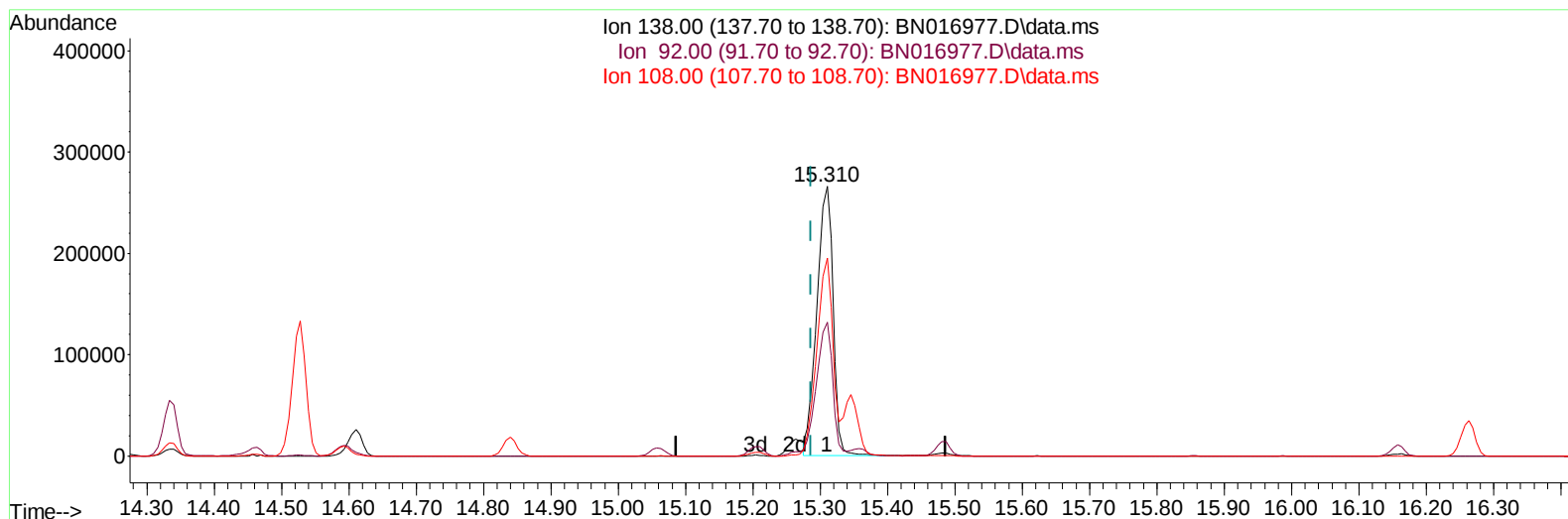
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TIC: BN016977.D\data.ms

**(63) 4-Nitroaniline**

**15.310min (+ 0.024) 91.80 ng/ul**

**response 446505**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.30  | 49.65  |
| 108.00 | 69.20  | 73.51  |
| 0.00   | 0.00   | 0.00   |



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 Sample : SST008026  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST008026

Manual Integrations  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.546  | 152  | 130093   | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.322 | 136  | 611675   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.204 | 164  | 377562   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.957 | 188  | 805023   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.175 | 240  | 836677   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.386 | 264  | 1028532  | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.070  | 96   | 90507    | 29.443  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.464  | 84   | 731030   | 86.355  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.740  | 99   | 948933   | 92.088  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.899  | 67   | 520706   | 86.177  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.087  | 132  | 746505   | 91.400  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.275  | 113  | 743275   | 92.233  | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 8.705  | 128  | 378461   | 96.619  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.422  | 143  | 427698   | 108.955 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.958  | 165  | 724336   | 89.227  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.475 | 131  | 1030794  | 83.442  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.634 | 166  | 2010107  | 83.178  | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 13.893 | 160  | 2570102  | 82.437  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.446 | 143  | 450918   | 97.674  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.204 | 176  | 1653272  | 78.197  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.345 | 200  | 411786   | 108.675 | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.063 | 188  | 2632240  | 77.871  | ng/ul  | 0.01     |
| 81) Pyrene-d10                | 19.369 | 212  | 3013133  | 76.330  | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.251 | 264  | 4055618  | 82.382  | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.105  | 88   | 99285    | 30.242  | ng/uL  | 98       |
| 5) Pyridine                   | 3.481  | 79   | 723846   | 84.938  | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.699  | 77   | 412721   | 75.059  | ng/ul  | 99       |
| 8) Phenol                     | 6.769  | 94   | 965276   | 90.277  | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 6.993  | 93   | 730611   | 87.549  | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.117  | 128  | 760536   | 90.687  | ng/ul  | 100      |
| 13) 2-Methylphenol            | 8.005  | 108  | 729485   | 92.099  | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.087  | 45   | 914562   | 80.466  | ng/ul  | 99       |
| 16) Acetophenone              | 8.375  | 105  | 1091281  | 87.321  | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 536208   | 89.537  | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.346  | 108  | 775906   | 90.518  | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.611  | 117  | 284206   | 86.595  | ng/ul  | 94       |
| 22) Nitrobenzene              | 8.752  | 77   | 839630   | 89.785  | ng/ul  | 98       |
| 23) Isophorone                | 9.281  | 82   | 1574836  | 89.119  | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.452  | 139  | 457183   | 101.739 | ng/ul  | 99       |
| 26) 2,4-Dimethylphenol        | 9.528  | 107  | 828852   | 84.755  | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.763  | 93   | 956189   | 80.851  | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 9.987  | 162  | 711836   | 87.619  | ng/ul  | 96       |
| 30) Naphthalene               | 10.375 | 128  | 2392552  | 80.300  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.499 | 127  | 1030854  | 81.118  | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.663 | 225  | 426358   | 83.269  | ng/ul  | 96       |
| 34) Caprolactam               | 11.293 | 113  | 278413m  | 104.287 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.646 | 107  | 783651   | 90.668  | ng/ul  | 96       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 36) 2-Methylnaphthalene       | 11.999 | 142  | 1572573  | 79.092  | ng/ul | 99       |
| 37) 1-Methylnaphthalene       | 12.222 | 142  | 1595689  | 78.952  | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.375 | 216  | 819210   | 80.665  | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.357 | 237  | 547430   | 87.332  | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.628 | 196  | 565348   | 91.983  | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.699 | 196  | 615449   | 90.801  | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.034 | 154  | 2043458  | 76.842  | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.069 | 162  | 1587934  | 78.143  | ng/ul | 97       |
| 45) 2-Nitroaniline            | 13.293 | 65   | 504527   | 105.130 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.681 | 163  | 2000778  | 81.463  | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.804 | 165  | 452274   | 103.602 | ng/ul | 96       |
| 50) Acenaphthylene            | 13.928 | 152  | 2591646  | 78.873  | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.128 | 138  | 478349   | 94.799  | ng/ul | 96       |
| 52) Acenaphthene              | 14.269 | 153  | 1663584  | 77.323  | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.340 | 184  | 316455   | 127.372 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.463 | 109  | 316693   | 95.438  | ng/ul | 98       |
| 56) Dibenzofuran              | 14.610 | 168  | 2326852  | 76.111  | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.593 | 165  | 636716   | 101.462 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.840 | 232  | 520407   | 98.581  | ng/ul | 98       |
| 59) Diethylphthalate          | 15.057 | 149  | 2030213  | 81.706  | ng/ul | 99       |
| 61) Fluorene                  | 15.263 | 166  | 1761196  | 72.224  | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.263 | 204  | 858112   | 71.681  | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.310 | 138  | 472114m  | 97.070  | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.363 | 198  | 407718   | 105.749 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.487 | 169  | 1675230  | 76.430  | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.157 | 248  | 614792   | 82.583  | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.263 | 284  | 767236   | 89.587  | ng/ul | 100      |
| 70) Atrazine                  | 16.457 | 200  | 666035   | 85.383  | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.616 | 266  | 502686   | 102.167 | ng/ul | 98       |
| 72) Phenanthrene              | 17.004 | 178  | 3069940  | 75.588  | ng/ul | 98       |
| 74) Anthracene                | 17.098 | 178  | 3099832  | 75.705  | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.993 | 216  | 859926   | 77.790  | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.528 | 250  | 860701   | 80.538  | ng/uL | 95       |
| 77) Carbazole                 | 17.375 | 167  | 2940079  | 80.649  | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 3490419  | 84.933  | ng/ul | 99       |
| 80) Fluoranthene              | 19.028 | 202  | 3677587  | 74.558  | ng/ul | 99       |
| 82) Pyrene                    | 19.398 | 202  | 3637013  | 70.759  | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.322 | 149  | 1714225  | 97.515  | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.098 | 252  | 1357482  | 81.961  | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.157 | 228  | 3833675  | 77.984  | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.110 | 149  | 2260971  | 80.739  | ng/ul | 98       |
| 87) Chrysene                  | 21.210 | 228  | 3599117  | 74.843  | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 21.986 | 149  | 4311798  | 74.417  | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.727 | 252  | 4675847  | 77.957  | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 22.775 | 252  | 4043507  | 70.382  | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.304 | 252  | 4409530  | 75.738  | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.639 | 276  | 5627055  | 101.444 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.668 | 278  | 4625162  | 80.988  | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 26.333 | 276  | 4875724  | 87.899  | ng/ul | 97       |

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

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BNA\_N

**ClientSampleId :**

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**Manual Integrations**

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