



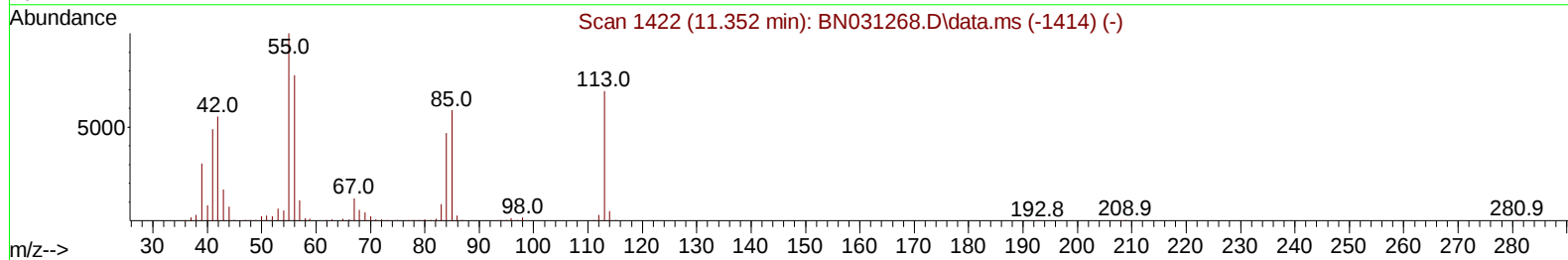
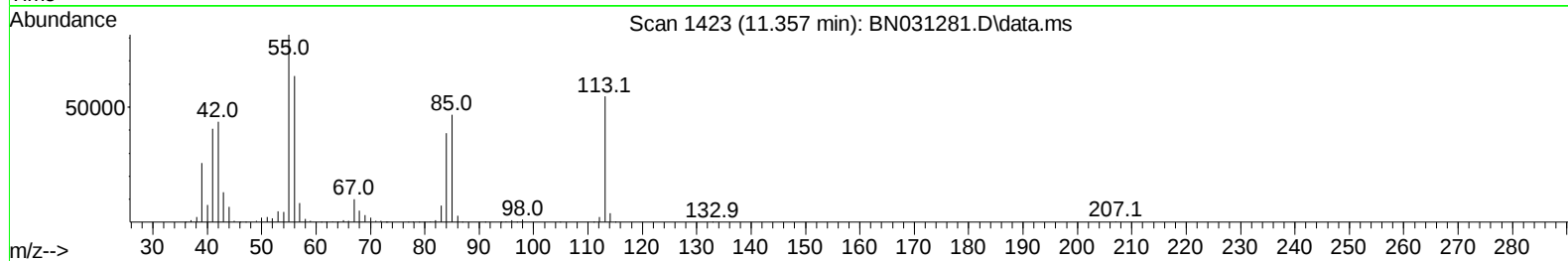
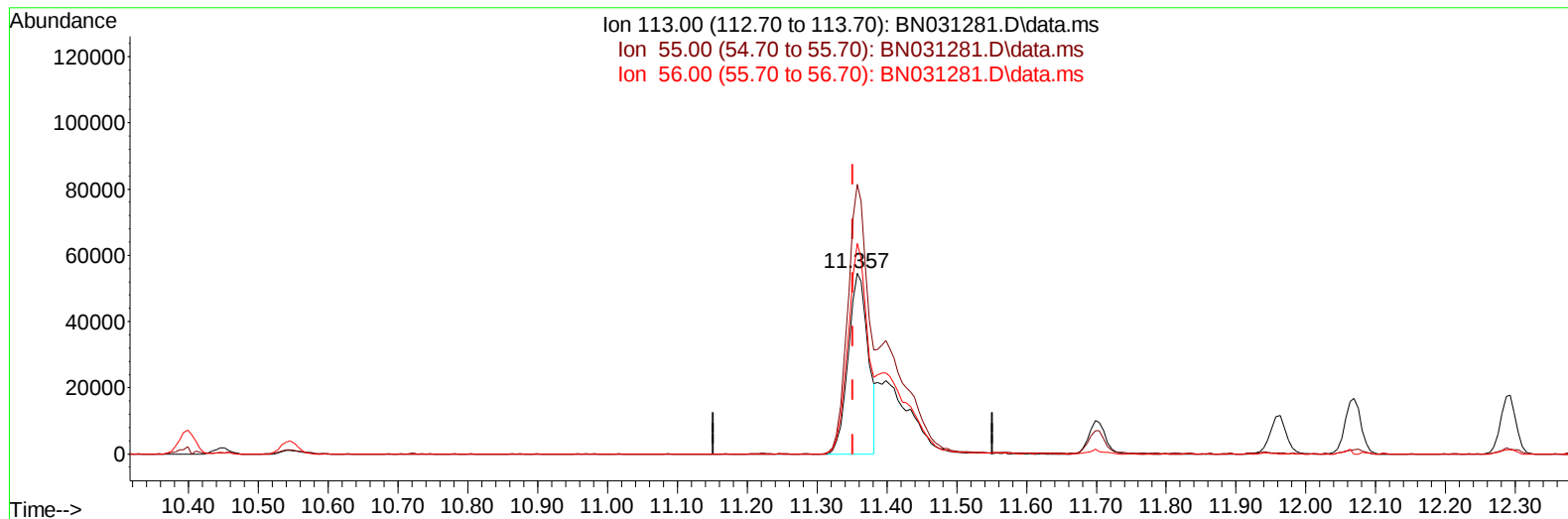
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042724\  
Data File : BN031281.D  
Acq On : 27 Apr 2024 21:21  
Operator : MA/JU  
Sample : PB160538BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS538

Manual IntegrationsAPPROVED

Quant Time: Apr 28 21:16:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 22:57:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/29/2024  
Supervised By :mohammad ahmed 04/29/2024



TIC: BN031281.D\data.ms

**(34) Caprolactam**

**11.357min (+ 0.006) 16.52 ng/ul**

**response 107427**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 140.50 | 148.86 |
| 56.00  | 110.00 | 116.20 |
| 0.00   | 0.00   | 0.00   |

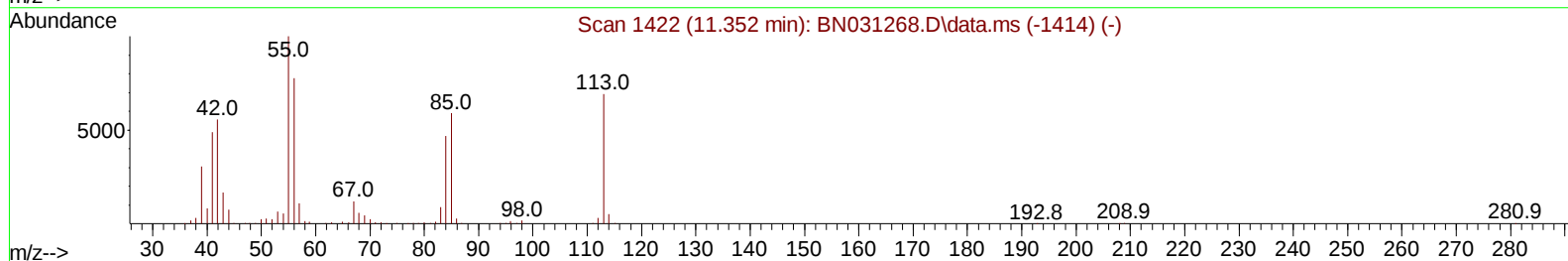
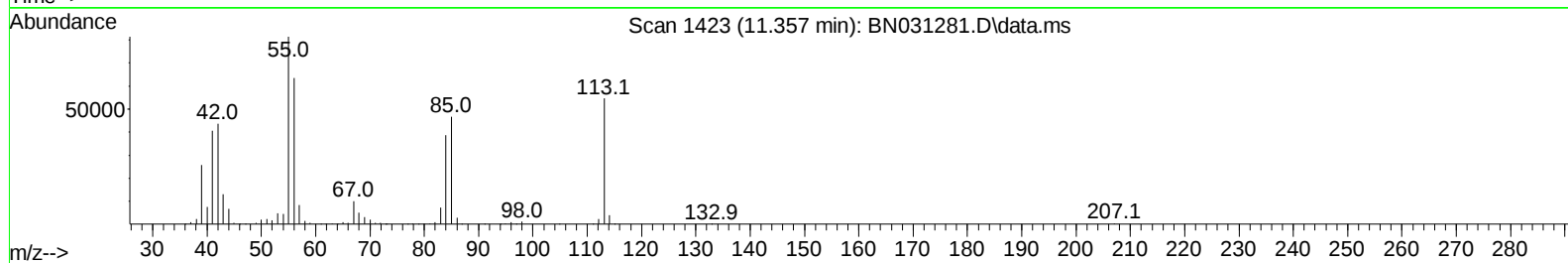
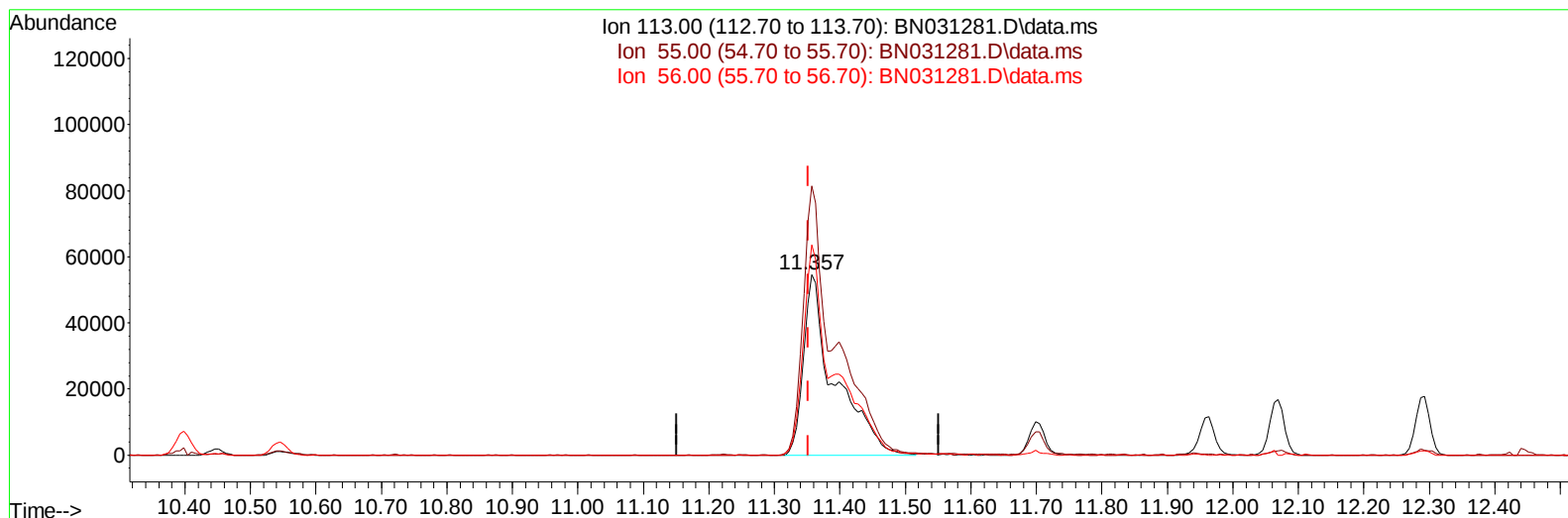
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Data File : BN031281.D  
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Instrument :  
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TIC: BN031281.D\data.ms

(34) Caprolactam

11.357min (+ 0.006) 27.73 ng/ul m

response 180369

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 140.50 | 148.86 |
| 56.00  | 110.00 | 116.20 |
| 0.00   | 0.00   | 0.00   |

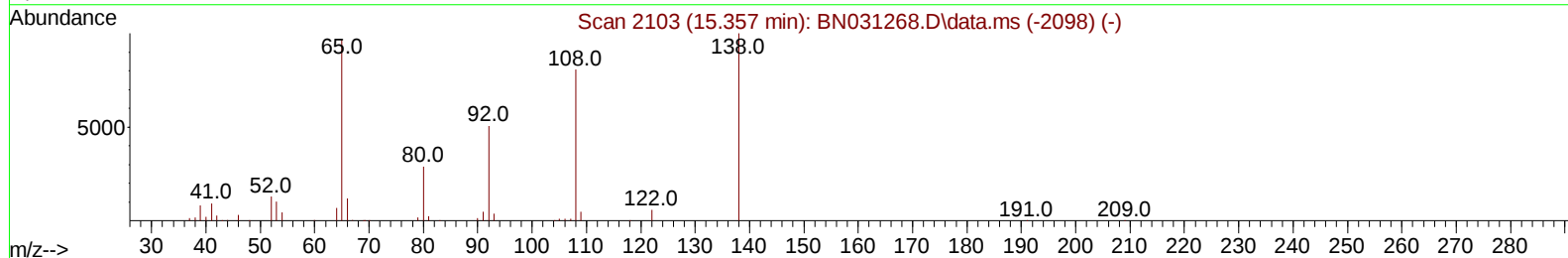
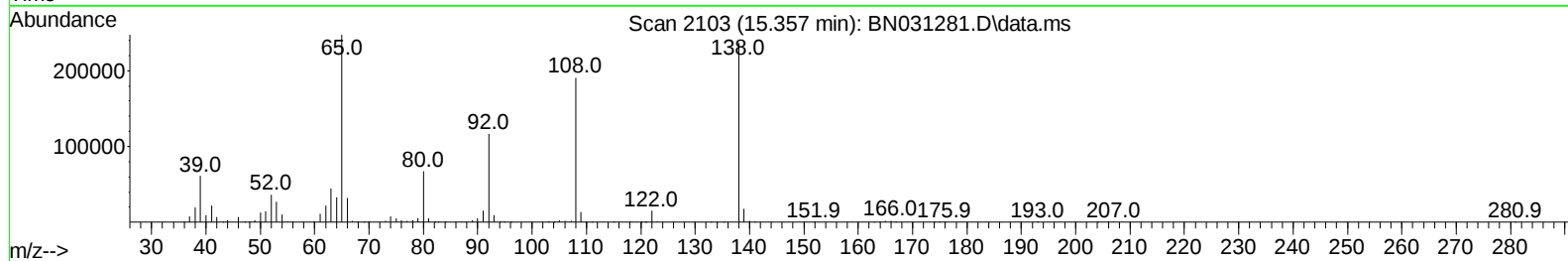
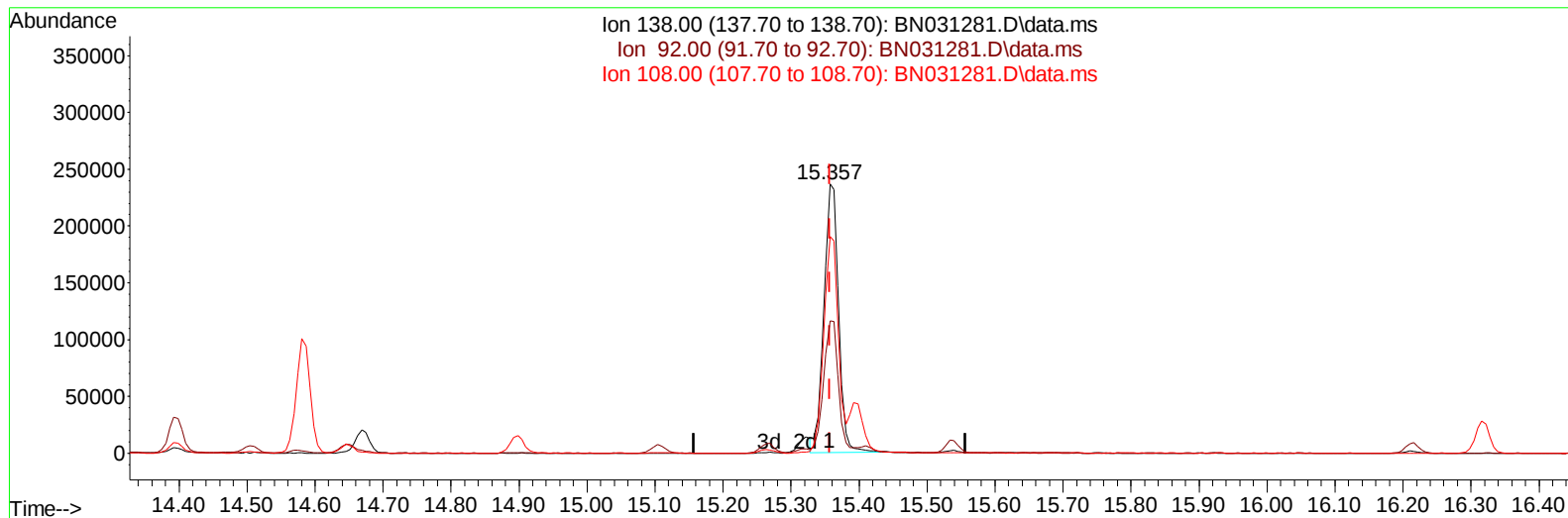
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Data File : BN031281.D  
Acq On : 27 Apr 2024 21:21  
Operator : MA/JU  
Sample : PB160538BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BN031281.D\data.ms

**(63) 4-Nitroaniline**

**15.357min (+ 0.000) 27.09 ng/ul**

**response 356810**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 48.00  | 49.27  |
| 108.00 | 79.80  | 80.49  |
| 0.00   | 0.00   | 0.00   |

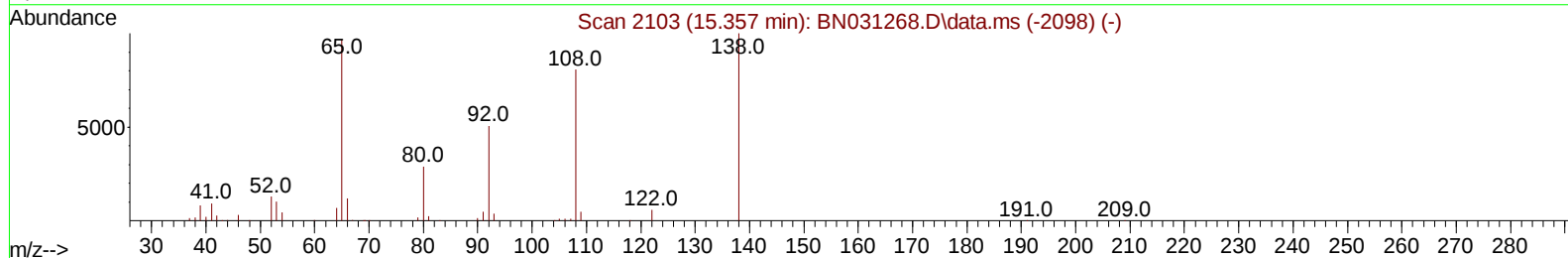
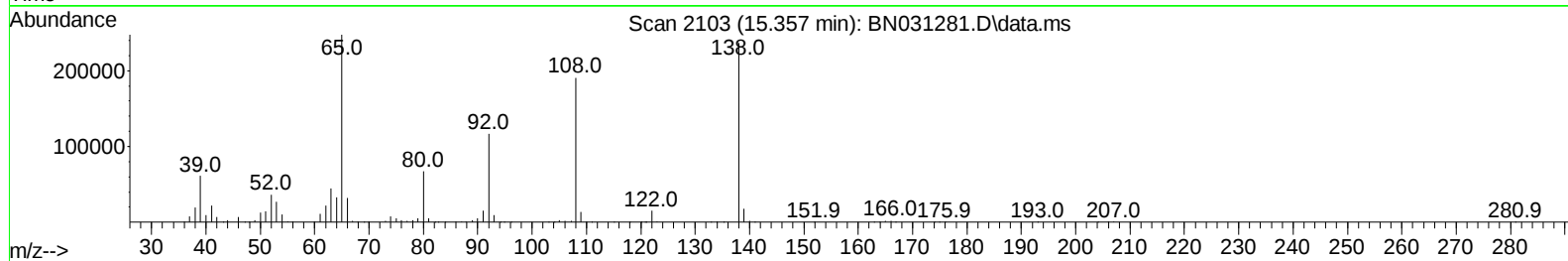
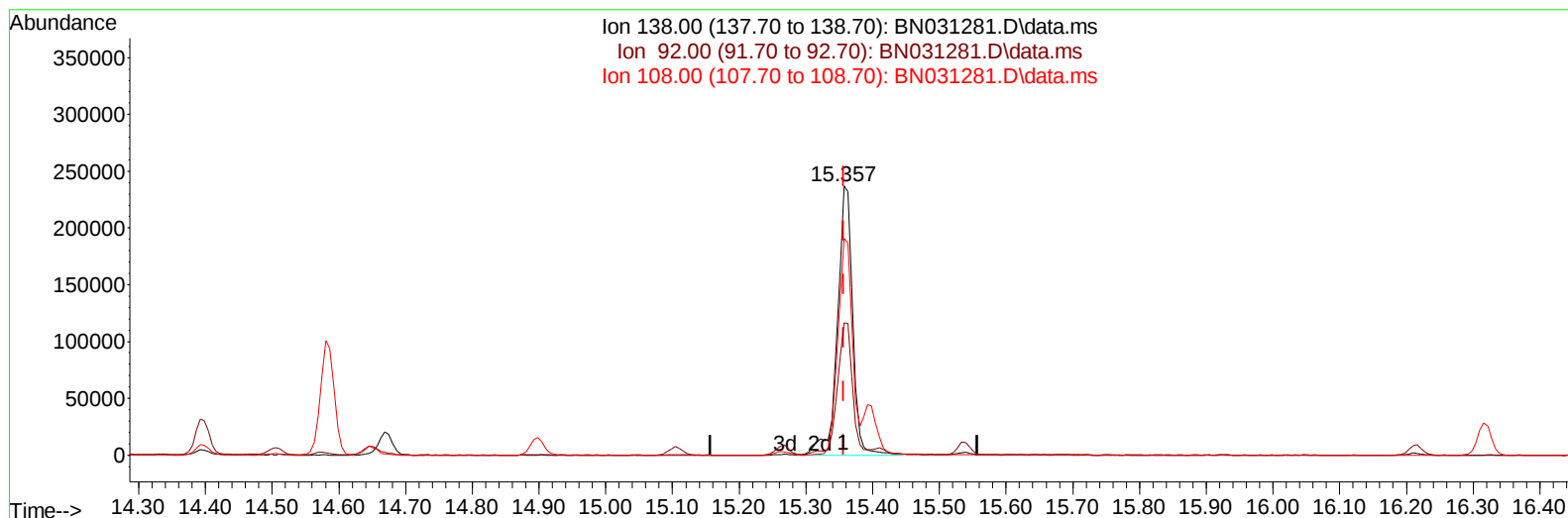
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Data File : BN031281.D  
Acq On : 27 Apr 2024 21:21  
Operator : MA/JU  
Sample : PB160538BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS538

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 04/29/2024  
Supervised By :mohammad ahmed 04/29/2024



TIC: BN031281.D\data.ms

**(63) 4-Nitroaniline**

15.357min (+ 0.000) 28.78 ng/ul m

response 379162

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 48.00  | 49.27  |
| 108.00 | 79.80  | 80.49  |
| 0.00   | 0.00   | 0.00   |

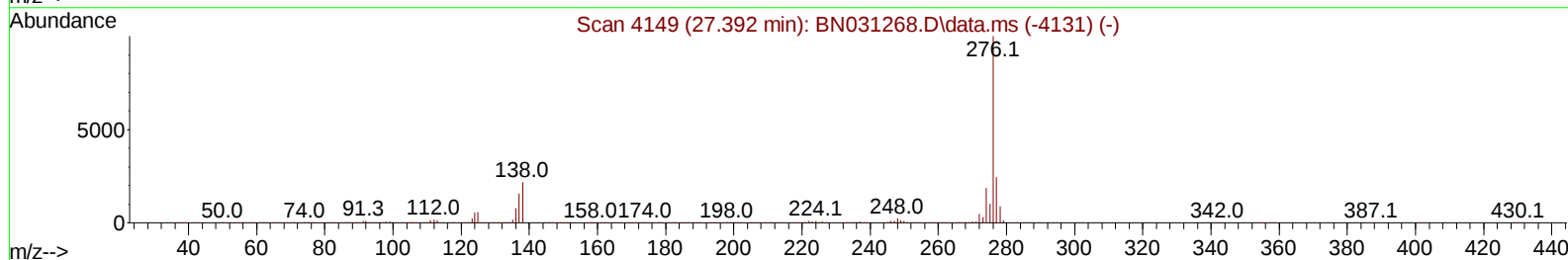
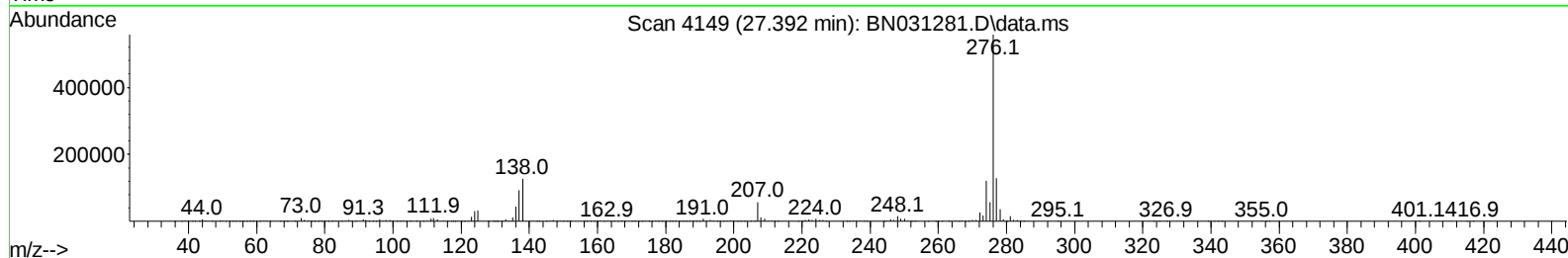
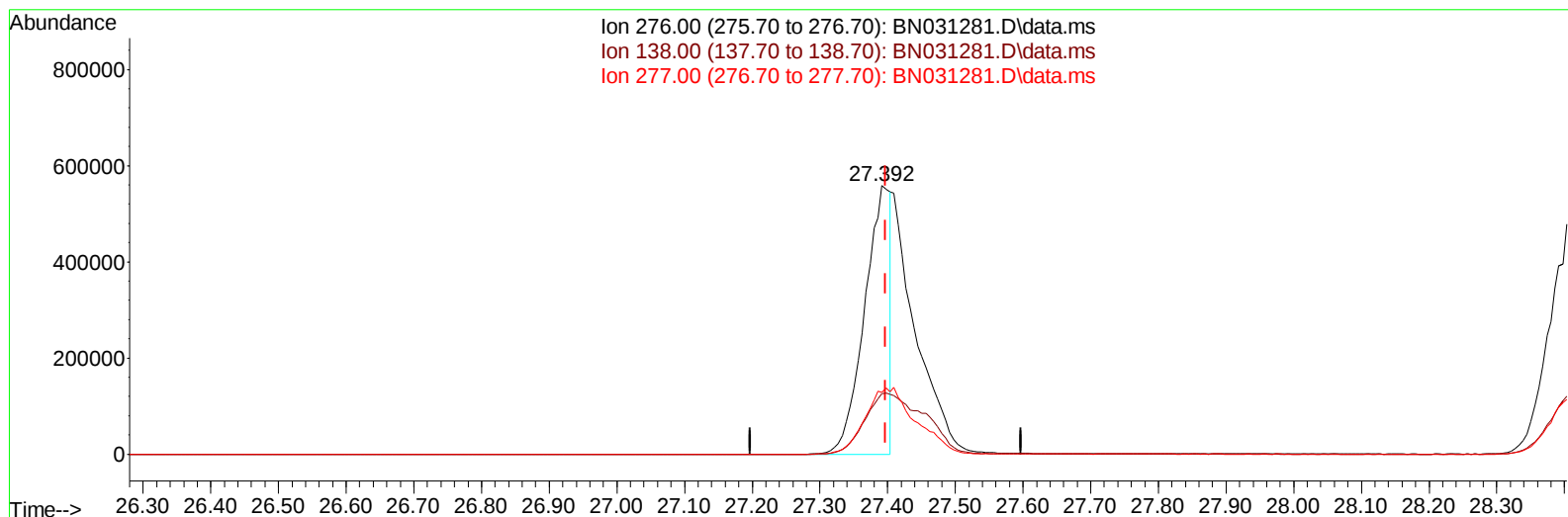
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042724\  
Data File : BN031281.D  
Acq On : 27 Apr 2024 21:21  
Operator : MA/JU  
Sample : PB160538BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS538

Manual IntegrationsAPPROVED

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QLast Update : Fri Apr 26 22:57:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/29/2024  
Supervised By :mohammad ahmed 04/29/2024



TIC: BN031281.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

27.392min (-0.006) 13.29 ng/u1

response 1480655

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.80  | 22.64  |
| 277.00 | 22.90  | 22.94  |
| 0.00   | 0.00   | 0.00   |

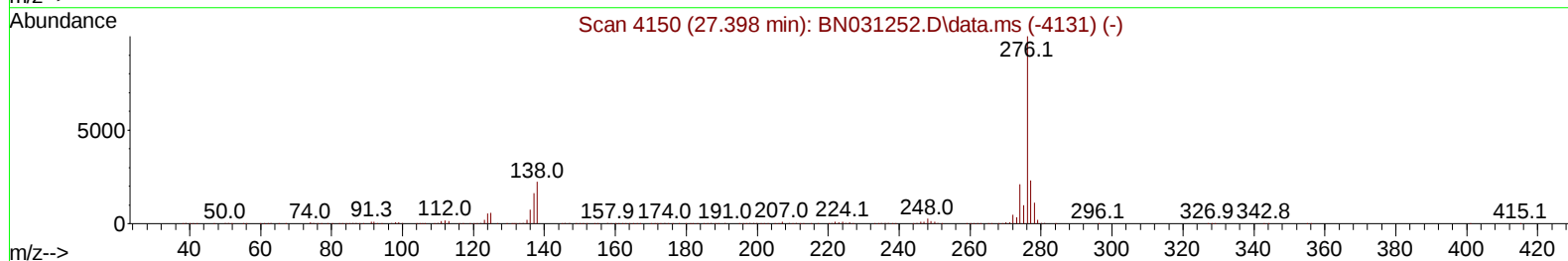
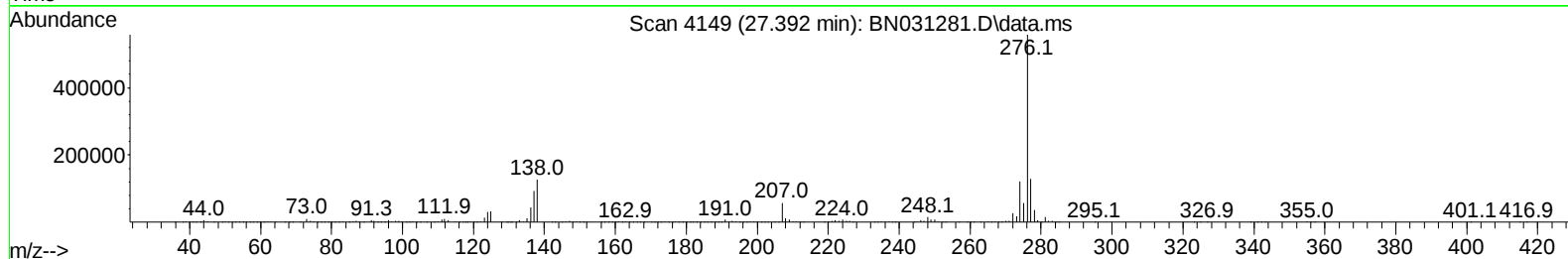
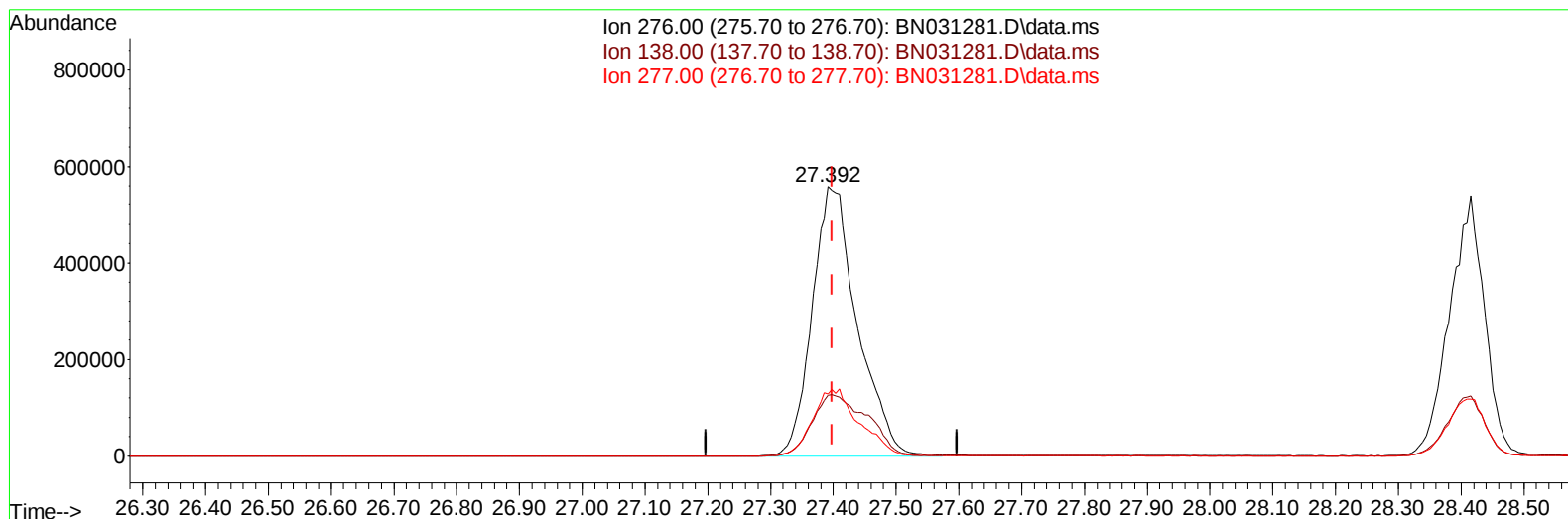
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Data File : BN031281.D  
Acq On : 27 Apr 2024 21:21  
Operator : MA/JU  
Sample : PB160538BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS538

Manual IntegrationsAPPROVED

Quant Time: Apr 28 21:51:03 2024  
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Quant Title : SVOA CALIBRATION  
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Supervised By :mohammad ahmed 04/29/2024



TIC: BN031281.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

27.392min (-0.006) 24.96 ng/ul m

response 2780812

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.80  | 22.64  |
| 277.00 | 22.90  | 22.94  |
| 0.00   | 0.00   | 0.00   |

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 Sample : PB160538BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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 SLCS538

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 230333   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.398 | 136  | 1122181  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 789741   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.022 | 188  | 1668248  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.257 | 240  | 1478377  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.157 | 264  | 1599569  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.134  | 96   | 32531    | 6.598  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.540  | 84   | 378523   | 26.660 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.799  | 99   | 559344   | 28.787 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.963  | 67   | 317367   | 28.074 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.152  | 132  | 445148   | 29.424 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 460470   | 28.180 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.775  | 128  | 235205   | 29.172 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.493  | 143  | 262851   | 31.363 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.022 | 165  | 469481   | 28.406 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.546 | 131  | 623582   | 24.144 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.687 | 166  | 1506546  | 27.414 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 1694013  | 27.202 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.492 | 143  | 305893   | 26.668 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.269 | 176  | 1249480  | 26.117 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.398 | 200  | 257645   | 30.611 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.116 | 188  | 1971042  | 27.259 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.422 | 212  | 2315163  | 31.869 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.957 | 264  | 2224538  | 29.327 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.169  | 88   | 46920    | 8.980  | ng/uL  | 95       |
| 5) Pyridine                   | 3.558  | 79   | 376708   | 26.293 | ng/ul  | 96       |
| 6) Benzaldehyde               | 6.775  | 77   | 298627   | 31.301 | ng/ul  | 99       |
| 8) Phenol                     | 6.828  | 94   | 565402   | 28.225 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.057  | 93   | 434908   | 27.516 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.187  | 128  | 453149   | 28.817 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.063  | 108  | 437847   | 28.205 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.146  | 45   | 576108   | 27.957 | ng/ul  | 98       |
| 16) Acetophenone              | 8.440  | 105  | 693103   | 27.376 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.428  | 70   | 353047   | 27.976 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.393  | 108  | 493168   | 28.361 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.681  | 117  | 176450   | 27.041 | ng/ul  | 98       |
| 22) Nitrobenzene              | 8.822  | 77   | 510714   | 26.838 | ng/ul  | 99       |
| 23) Isophorone                | 9.340  | 82   | 1046977  | 26.960 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.522  | 139  | 277513   | 29.928 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.587  | 107  | 470128   | 24.860 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.828  | 93   | 629659   | 26.694 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.051 | 162  | 464563   | 28.142 | ng/ul  | 97       |
| 30) Naphthalene               | 10.451 | 128  | 1521257  | 26.158 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.569 | 127  | 553011   | 22.036 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.722 | 225  | 264298   | 26.263 | ng/ul  | 95       |
| 34) Caprolactam               | 11.357 | 113  | 180369m  | 27.731 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.698 | 107  | 550319   | 28.752 | ng/ul  | 95       |

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 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_N

ClientSampleId :

SLCS538

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.069 | 142  | 1102396  | 26.880 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.293 | 142  | 1093126  | 26.341 | ng/ul  | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 12.440 | 216  | 555698   | 26.891 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.416 | 237  | 258810   | 22.799 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.692 | 196  | 392266   | 28.518 | ng/ul  | 90       |
| 42) 2,4,5-Trichlorophenol     | 12.763 | 196  | 426552   | 27.970 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.098 | 154  | 1459565  | 26.872 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.134 | 162  | 1123584  | 25.888 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.357 | 65   | 352077   | 29.384 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.734 | 163  | 1489996  | 26.281 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.857 | 165  | 312838   | 29.395 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.987 | 152  | 1836805  | 25.250 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.187 | 138  | 339120   | 27.756 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.334 | 153  | 1218022  | 25.258 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.398 | 184  | 182085   | 30.254 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.504 | 109  | 237966   | 25.564 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.669 | 168  | 1698857  | 25.480 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.645 | 165  | 462853   | 28.623 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 365475   | 27.730 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.104 | 149  | 1531839  | 26.272 | ng/ul  | 99       |
| 61) Fluorene                  | 15.322 | 166  | 1363491  | 24.850 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.322 | 204  | 648423   | 24.810 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.357 | 138  | 379162m  | 28.783 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 277764   | 30.735 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.539 | 169  | 1246699  | 27.881 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.216 | 248  | 430884   | 27.311 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.322 | 284  | 509439   | 28.010 | ng/ul  | 97       |
| 70) Atrazine                  | 16.498 | 200  | 425936   | 27.132 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.669 | 266  | 334784   | 28.331 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.063 | 178  | 2225500  | 25.222 | ng/ul  | 98       |
| 74) Anthracene                | 17.151 | 178  | 2294735  | 25.698 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216  | 546030   | 27.905 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.586 | 250  | 556560   | 27.544 | ng/uL  | 98       |
| 77) Carbazole                 | 17.433 | 167  | 2169758  | 26.601 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 17.992 | 149  | 2772340  | 27.885 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.086 | 202  | 2733039  | 31.787 | ng/ul  | 99       |
| 82) Pyrene                    | 19.457 | 202  | 2873673  | 31.810 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.363 | 149  | 1309278  | 32.846 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.174 | 252  | 860480   | 27.933 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.245 | 228  | 2762894  | 27.521 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.169 | 149  | 1835605  | 30.670 | ng/ul  | 98       |
| 87) Chrysene                  | 21.304 | 228  | 2639611  | 27.700 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.268 | 149  | 3353579  | 36.373 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.239 | 252  | 2719892  | 30.221 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.304 | 252  | 2641744  | 29.184 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.021 | 252  | 2275284  | 25.341 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.392 | 276  | 2780812m | 24.959 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.462 | 278  | 2244716  | 24.546 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.415 | 276  | 2092533  | 23.322 | ng/ul  | 97       |

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