

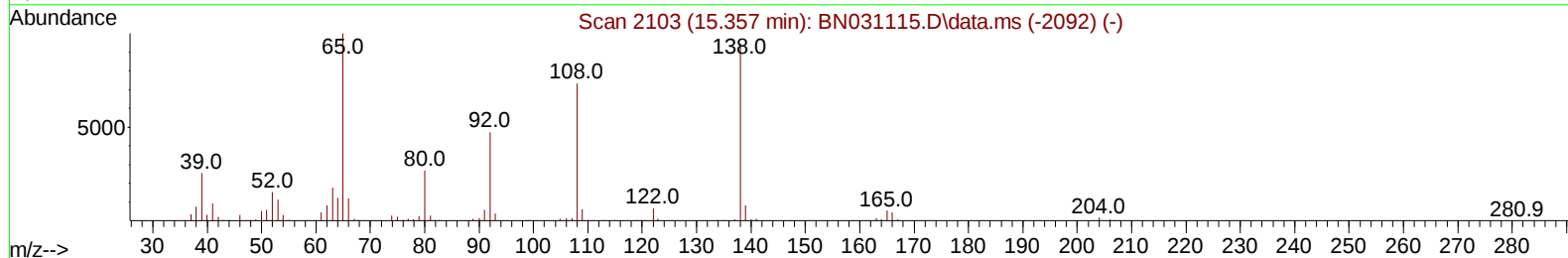
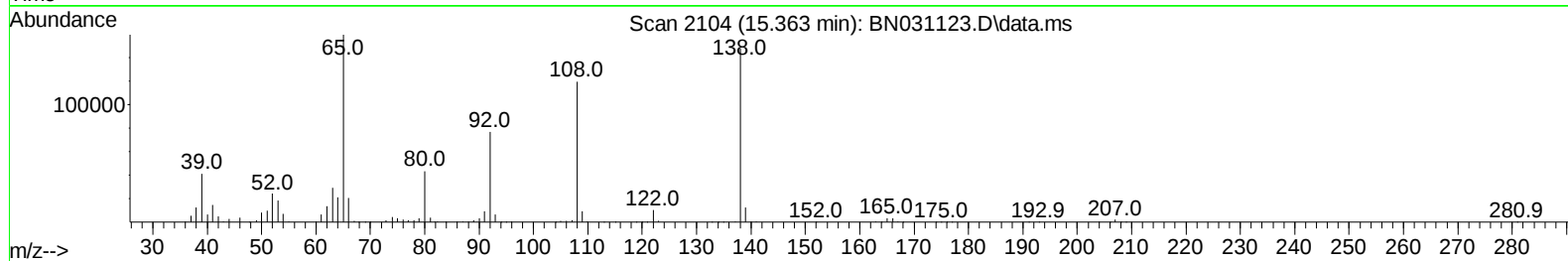
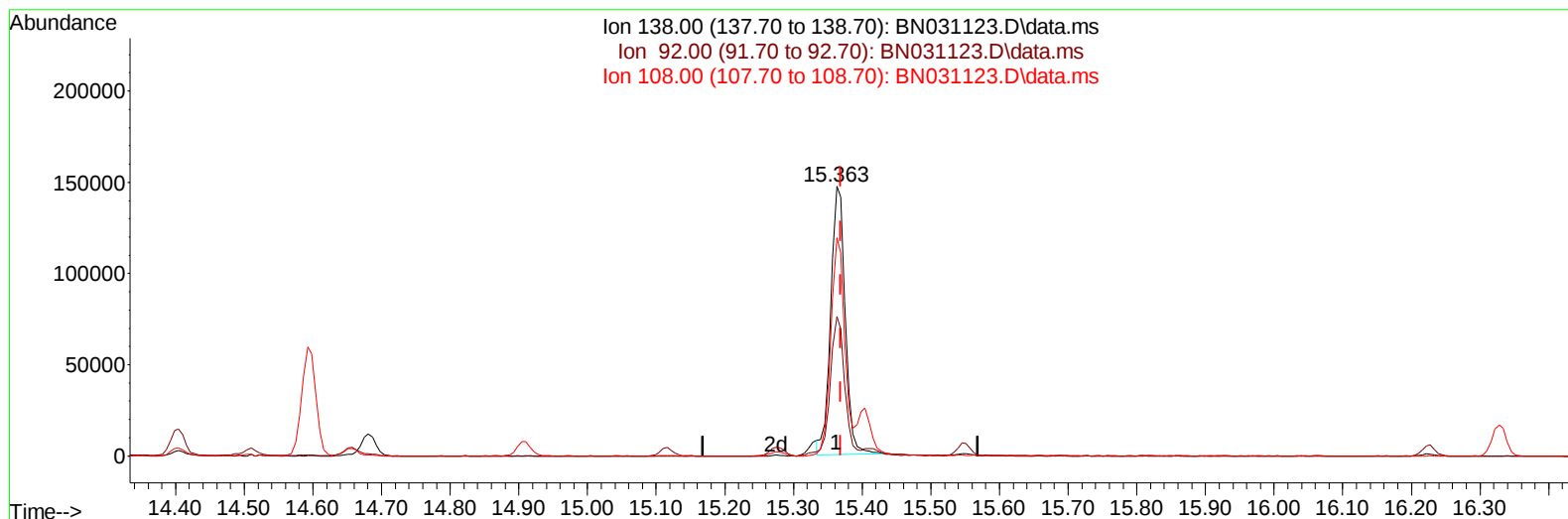
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
Data File : BN031123.D  
Acq On : 22 Apr 2024 15:37  
Operator : MA/JU  
Sample : PB160113BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 22 23:27:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 19 22:56:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/24/2024



TIC: BN031123.D\data.ms

**(63) 4-Nitroaniline**

**15.363min (-0.006) 36.38 ng/ul**

**response 215784**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 48.00  | 51.85  |
| 108.00 | 79.80  | 81.06  |
| 0.00   | 0.00   | 0.00   |

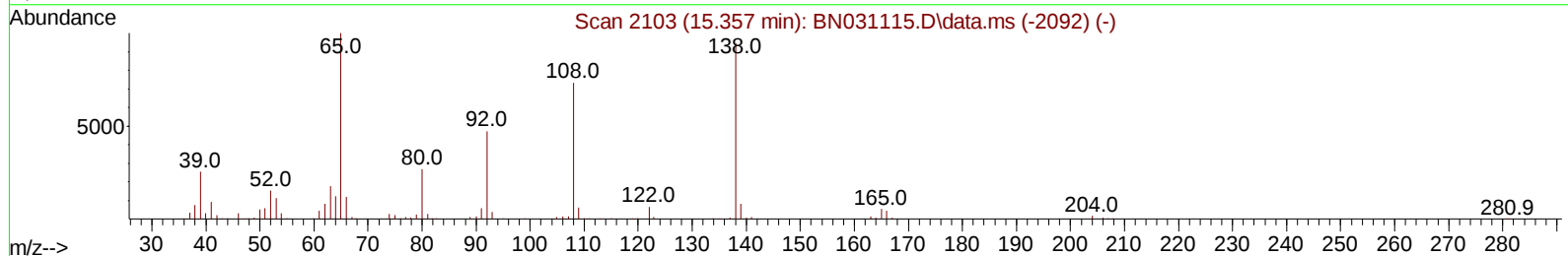
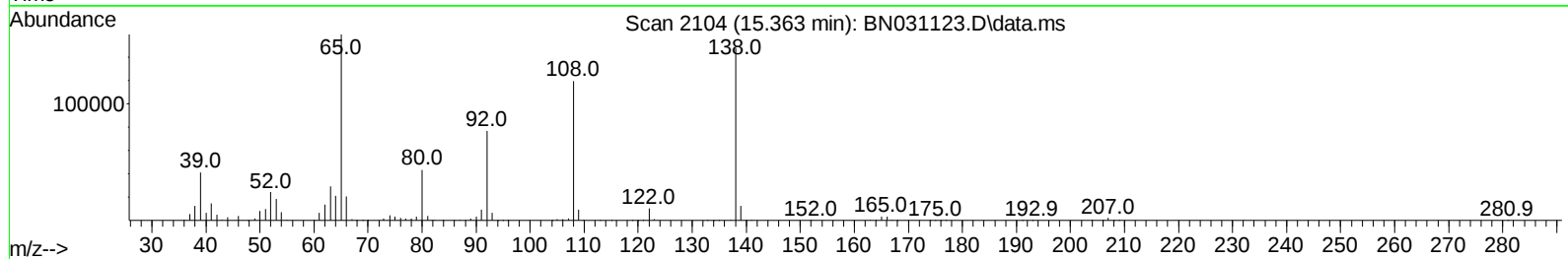
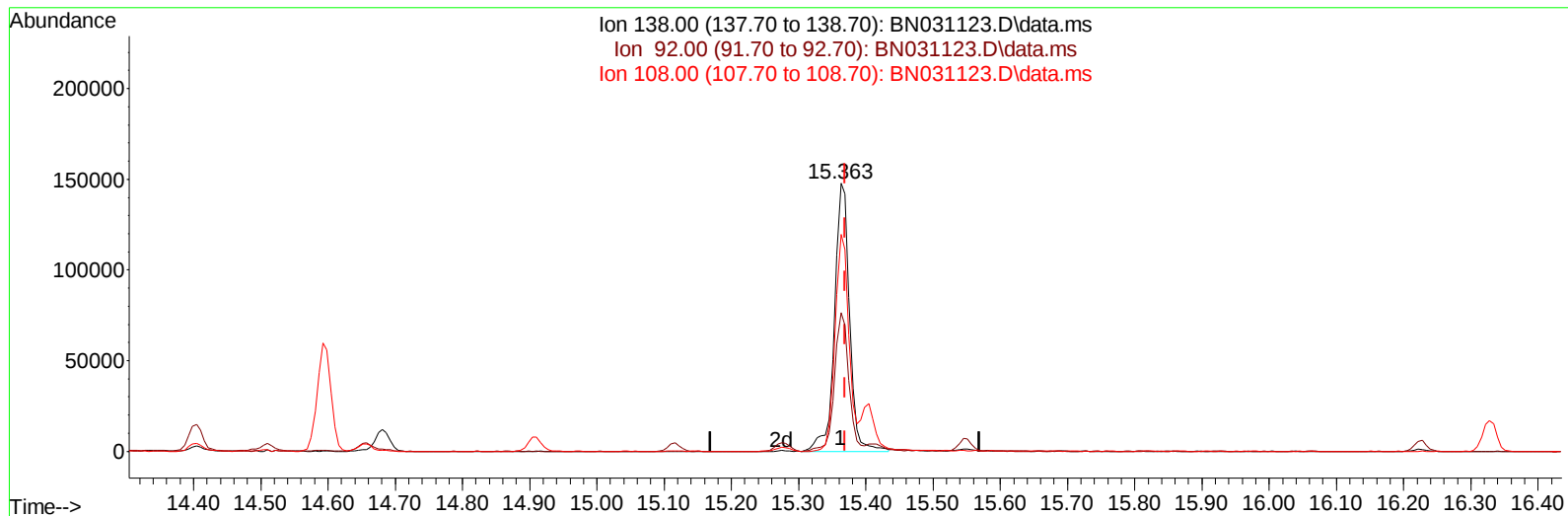
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
Data File : BN031123.D  
Acq On : 22 Apr 2024 15:37  
Operator : MA/JU  
Sample : PB160113BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 22 23:27:49 2024  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 19 22:56:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/24/2024



TIC: BN031123.D\data.ms

**(63) 4-Nitroaniline**

**15.363min (-0.006) 38.71 ng/ul m**

**response 229562**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 48.00  | 51.85  |
| 108.00 | 79.80  | 81.06  |
| 0.00   | 0.00   | 0.00   |

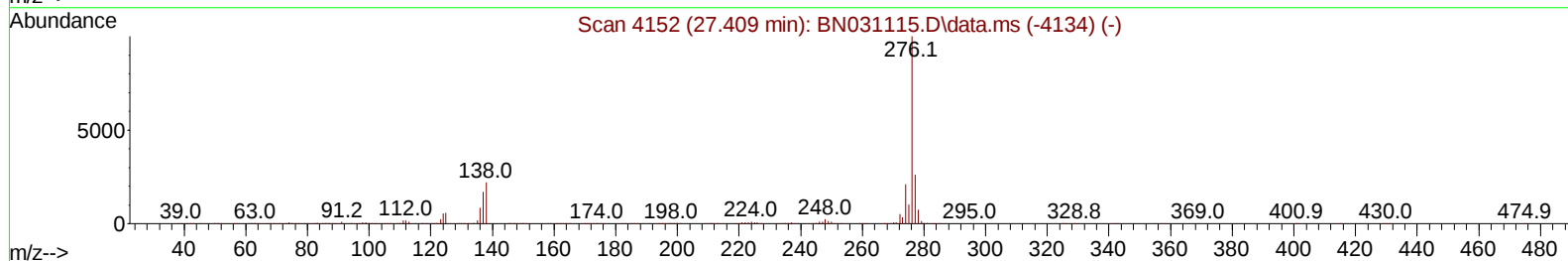
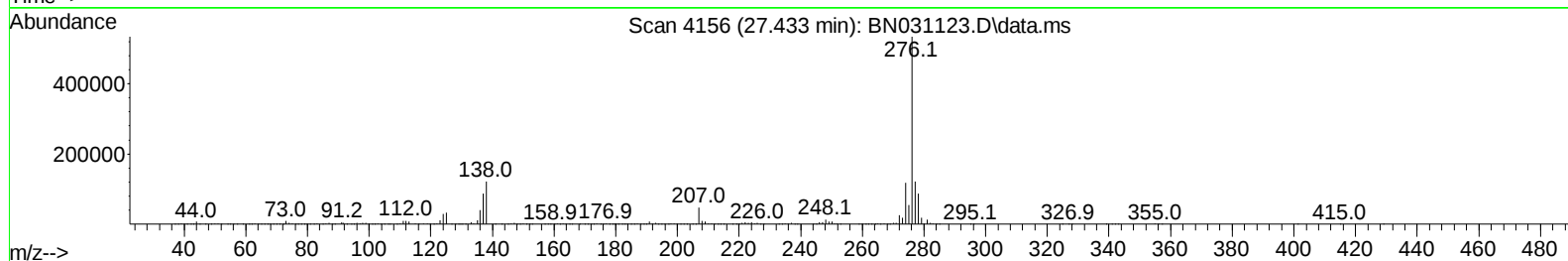
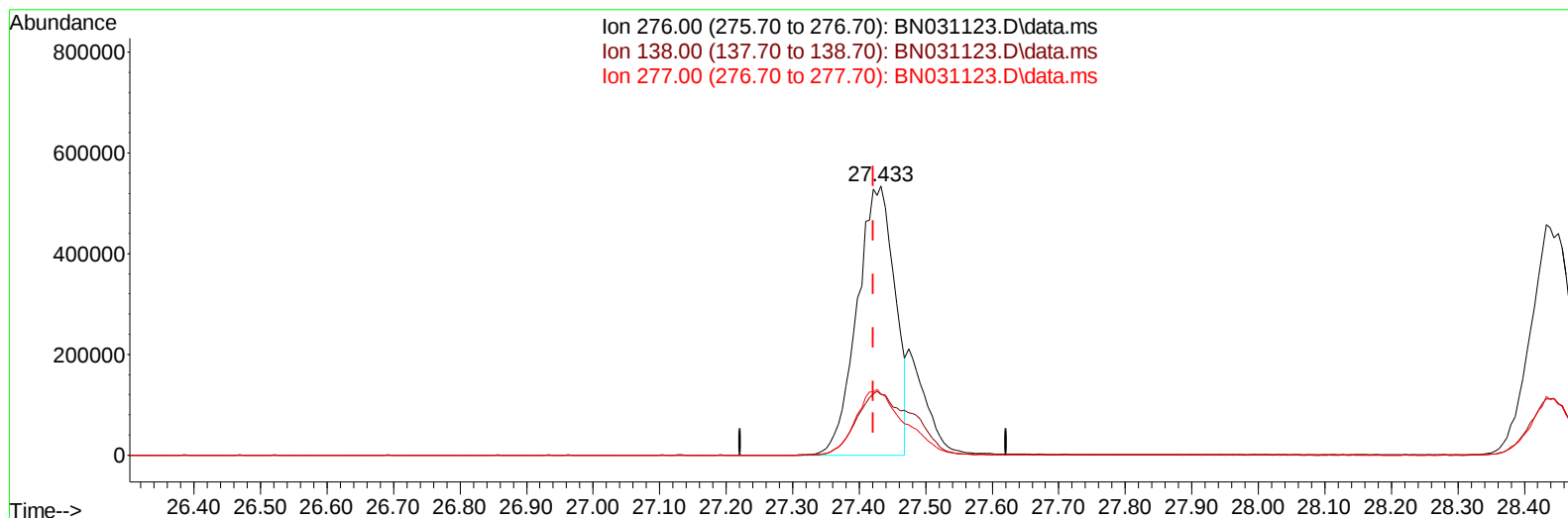
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
Data File : BN031123.D  
Acq On : 22 Apr 2024 15:37  
Operator : MA/JU  
Sample : PB160113BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 22 23:27:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 19 22:56:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/24/2024



TIC: BN031123.D\data.ms

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

27.433min (+ 0.012) 27.48 ng/u1

response 2108463

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.80  | 22.60  |
| 277.00 | 22.90  | 22.79  |
| 0.00   | 0.00   | 0.00   |

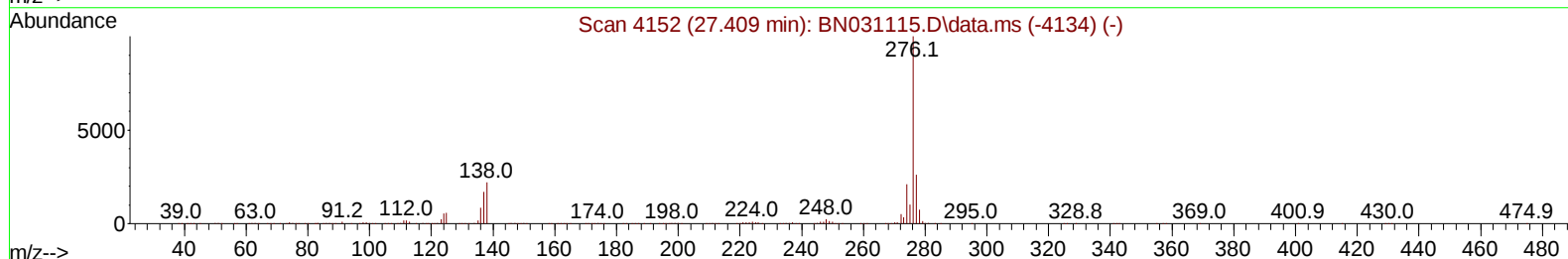
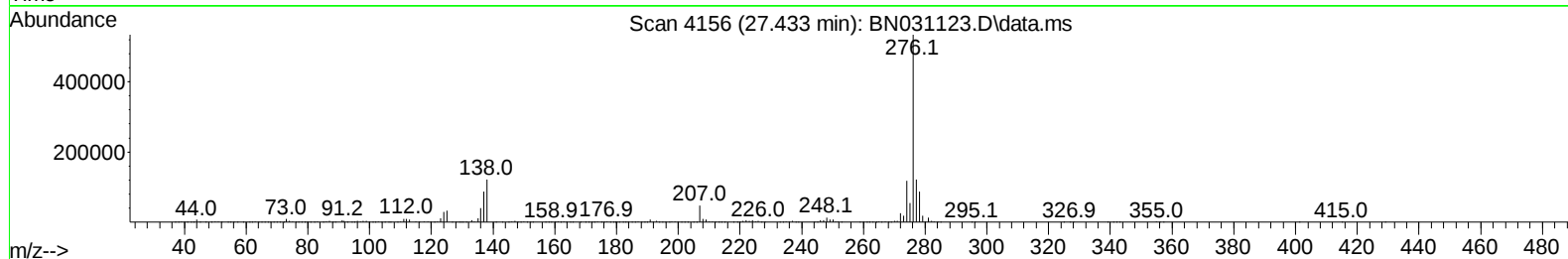
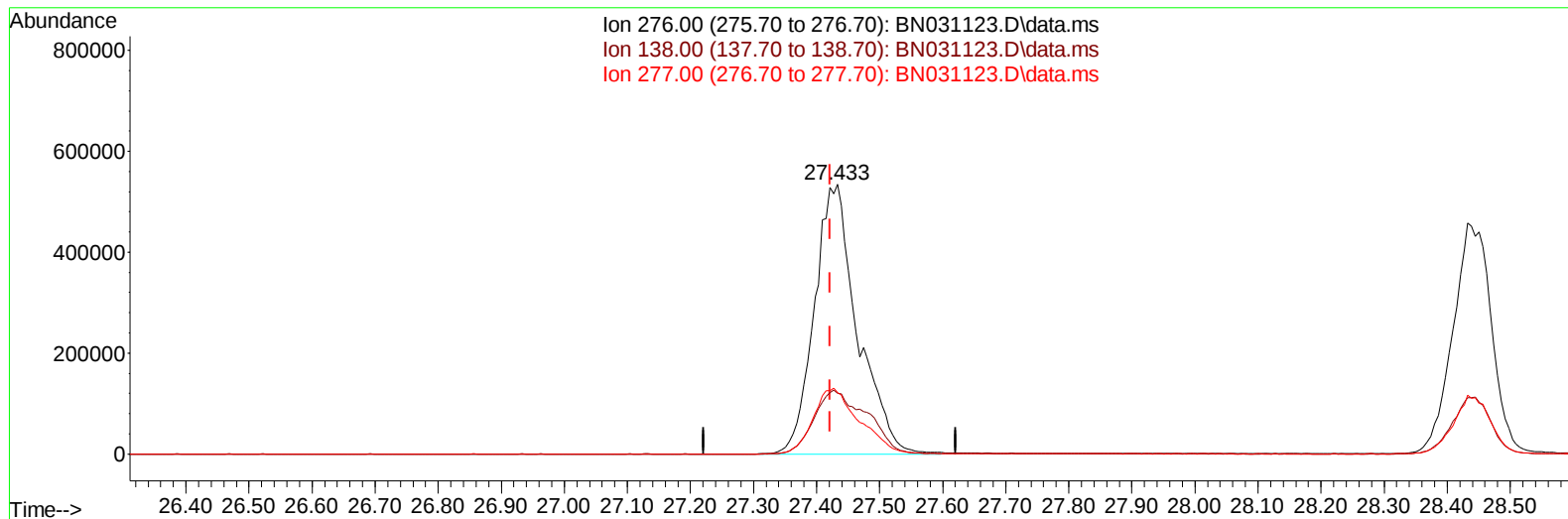
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
Data File : BN031123.D  
Acq On : 22 Apr 2024 15:37  
Operator : MA/JU  
Sample : PB160113BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 22 23:27:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 19 22:56:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/24/2024



TIC: BN031123.D\data.ms

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

27.433min (+ 0.012) 33.01 ng/ul m

response 2532790

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.80  | 22.60  |
| 277.00 | 22.90  | 22.79  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
 Data File : BN031123.D  
 Acq On : 22 Apr 2024 15:37  
 Operator : MA/JU  
 Sample : PB160113BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 23 00:03:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/24/2024

| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.634  | 152 |     | 114913   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136 |     | 527280   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164 |     | 355566   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.028 | 188 |     | 788233   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240 |     | 909223   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.174 | 264 |     | 1101531  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.146  | 96  |     | 19727    | 8.020  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84  |     | 214181   | 30.237 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.805  | 99  |     | 351810   | 36.293 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67  |     | 198183   | 35.140 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.163  | 132 |     | 278360   | 36.880 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.340  | 113 |     | 285831   | 35.062 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.787  | 128 |     | 139497   | 36.821 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.504  | 143 |     | 145113   | 36.849 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.034 | 165 |     | 285082   | 36.709 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131 |     | 331218   | 27.292 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166 |     | 872699   | 35.271 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160 |     | 1027239  | 36.637 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.492 | 143 |     | 189459   | 36.686 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.275 | 176 |     | 785841   | 36.484 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200 |     | 137587   | 34.597 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.128 | 188 |     | 1258538  | 36.837 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212 |     | 1637606  | 36.653 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264 |     | 1969662  | 37.707 | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88  |     | 27826    | 10.675 | ng/uL  | 92       |
| 5) Pyridine                   | 3.569  | 79  |     | 233651   | 32.688 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.787  | 77  |     | 194799   | 40.926 | ng/ul  | 99       |
| 8) Phenol                     | 6.834  | 94  |     | 352405   | 35.261 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.069  | 93  |     | 260938   | 33.091 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.199  | 128 |     | 279297   | 35.600 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.075  | 108 |     | 263332   | 34.001 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.152  | 45  |     | 348913   | 33.938 | ng/ul  | 98       |
| 16) Acetophenone              | 8.457  | 105 |     | 417177   | 33.028 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70  |     | 203537   | 32.329 | ng/ul  | 100      |
| 18) 4-Methylphenol            | 8.405  | 108 |     | 294670   | 33.966 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.699  | 117 |     | 109220   | 33.550 | ng/ul  | 99       |
| 22) Nitrobenzene              | 8.834  | 77  |     | 306259   | 34.252 | ng/ul  | 98       |
| 23) Isophorone                | 9.352  | 82  |     | 592263   | 32.458 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.534  | 139 |     | 157988   | 36.261 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107 |     | 280824   | 31.604 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93  |     | 369483   | 33.336 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.063 | 162 |     | 274276   | 35.360 | ng/ul  | 99       |
| 30) Naphthalene               | 10.463 | 128 |     | 917128   | 33.562 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.581 | 127 |     | 362034   | 30.702 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.740 | 225 |     | 160930   | 34.033 | ng/ul  | 99       |
| 34) Caprolactam               | 11.357 | 113 |     | 101550   | 33.228 | ng/ul  | 97       |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107 |     | 308100   | 34.259 | ng/ul  | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042224\  
 Data File : BN031123.D  
 Acq On : 22 Apr 2024 15:37  
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 Sample : PB160113BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS113

Manual IntegrationsAPPROVED

Quant Time: Apr 23 00:03:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.081 | 142  | 645561   | 33.500 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.304 | 142  | 653266   | 33.502 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.451 | 216  | 328837   | 35.343 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 131934   | 25.814 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 215225   | 34.753 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 246720   | 35.932 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 843714   | 34.502 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 661711   | 33.863 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.363 | 65   | 198942   | 36.878 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.745 | 163  | 840995   | 32.947 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.869 | 165  | 168292   | 35.122 | ng/ul  | 99       |
| 50) Acenaphthylene            | 13.998 | 152  | 1103863  | 33.704 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.198 | 138  | 206621   | 37.561 | ng/ul# | 92       |
| 52) Acenaphthene              | 14.345 | 153  | 709039   | 32.657 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 83998    | 30.999 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.510 | 109  | 147533   | 35.201 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.681 | 168  | 1020020  | 33.979 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 260950   | 35.842 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 201774   | 34.003 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.116 | 149  | 883952   | 33.673 | ng/ul  | 98       |
| 61) Fluorene                  | 15.334 | 166  | 833912   | 33.756 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 395009   | 33.570 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.363 | 138  | 229562m  | 38.706 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.416 | 198  | 148559   | 34.790 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 739245   | 34.990 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 255998   | 34.342 | ng/ul  | 89       |
| 69) Hexachlorobenzene         | 16.328 | 284  | 299578   | 34.860 | ng/ul  | 98       |
| 70) Atrazine                  | 16.504 | 200  | 120165   | 16.200 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.681 | 266  | 178685   | 32.003 | ng/ul  | 89       |
| 72) Phenanthrene              | 17.075 | 178  | 1439781  | 34.534 | ng/ul  | 99       |
| 74) Anthracene                | 17.163 | 178  | 1436995  | 34.059 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.069 | 216  | 331597   | 35.865 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.592 | 250  | 326455   | 34.193 | ng/uL  | 95       |
| 77) Carbazole                 | 17.439 | 167  | 1399254  | 36.307 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 1679450  | 35.751 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 1845706  | 34.905 | ng/ul  | 100      |
| 82) Pyrene                    | 19.463 | 202  | 1941679  | 34.948 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.374 | 149  | 890493   | 36.324 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 687498   | 36.289 | ng/ul  | 94       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 2100056  | 34.014 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.180 | 149  | 1293202  | 35.133 | ng/ul  | 99       |
| 87) Chrysene                  | 21.310 | 228  | 2042419  | 34.849 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 2481148  | 39.077 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 2275055  | 36.707 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 2318873  | 37.199 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 1976619  | 31.969 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.433 | 276  | 2532790m | 33.011 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.480 | 278  | 2089435  | 33.179 | ng/ul  | 93       |
| 96) Benzo(g,h,i)perylene      | 28.433 | 276  | 1956557  | 31.667 | ng/ul  | 98       |

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

**Instrument :**

BNA\_N

**ClientSampleId :**

SLCS113

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024

