

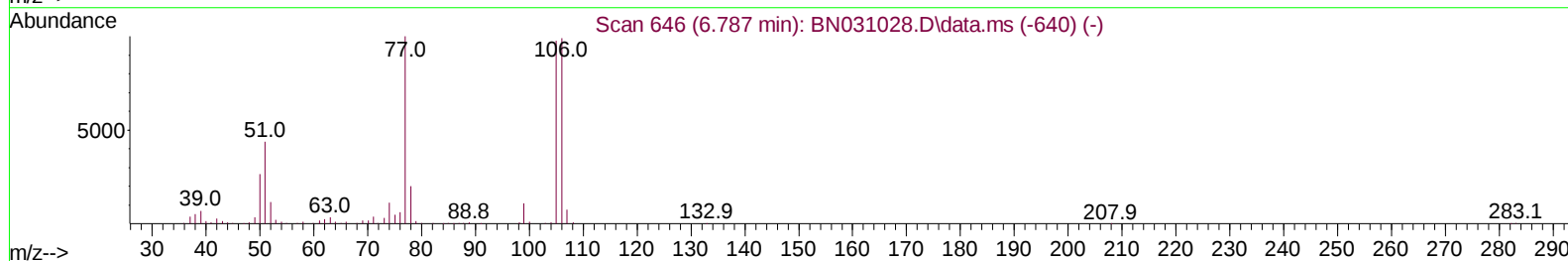
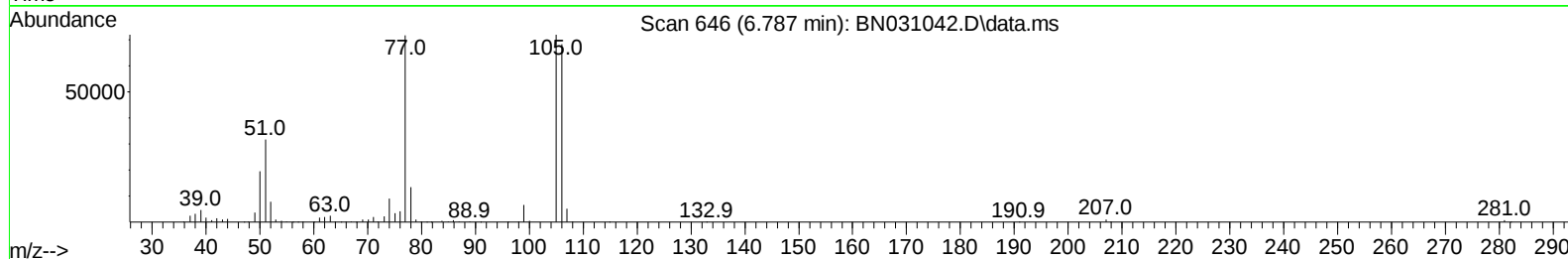
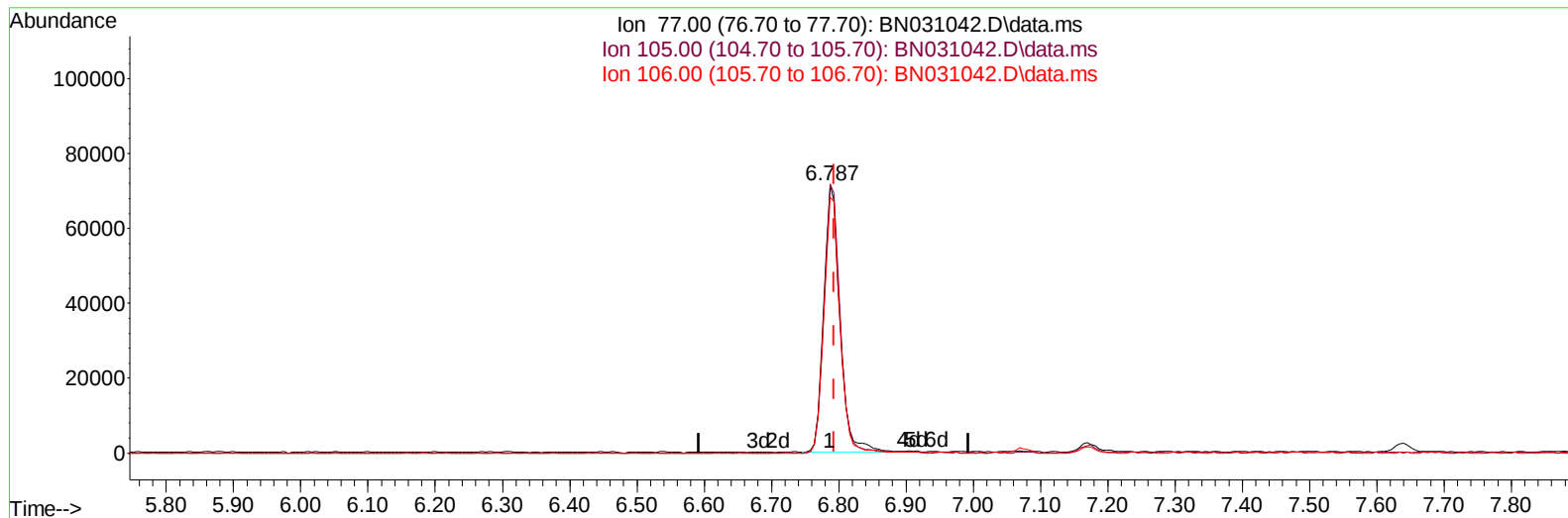
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041724\  
Data File : BN031042.D  
Acq On : 19 Apr 2024 14:16  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 19 14:48:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 17 22:24:16 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/30/2024



TIC: BN031042.D\data.ms

(6) Benzaldehyde

6.787min (-0.006) 28.30 ng/u1

response 119708

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 97.60  | 100.31 |
| 106.00 | 94.50  | 95.32  |
| 0.00   | 0.00   | 0.00   |

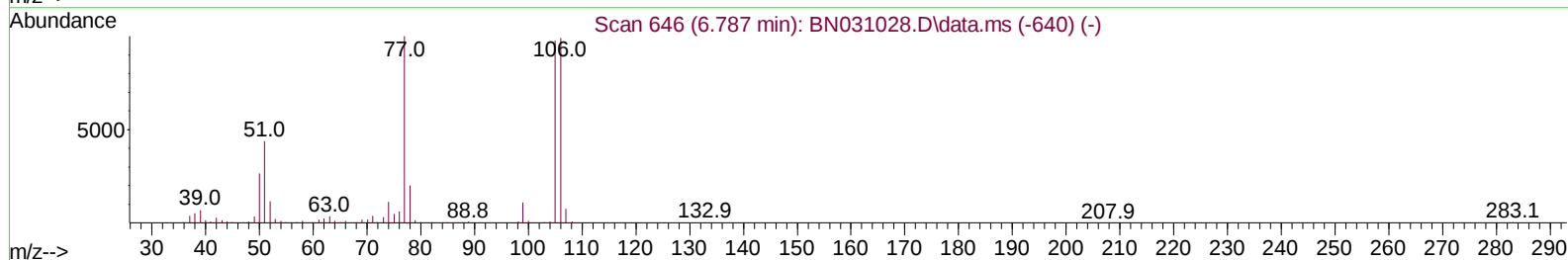
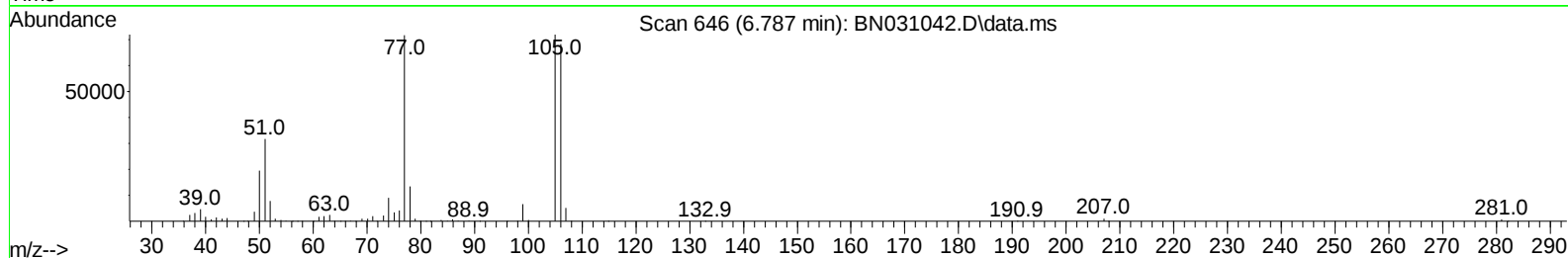
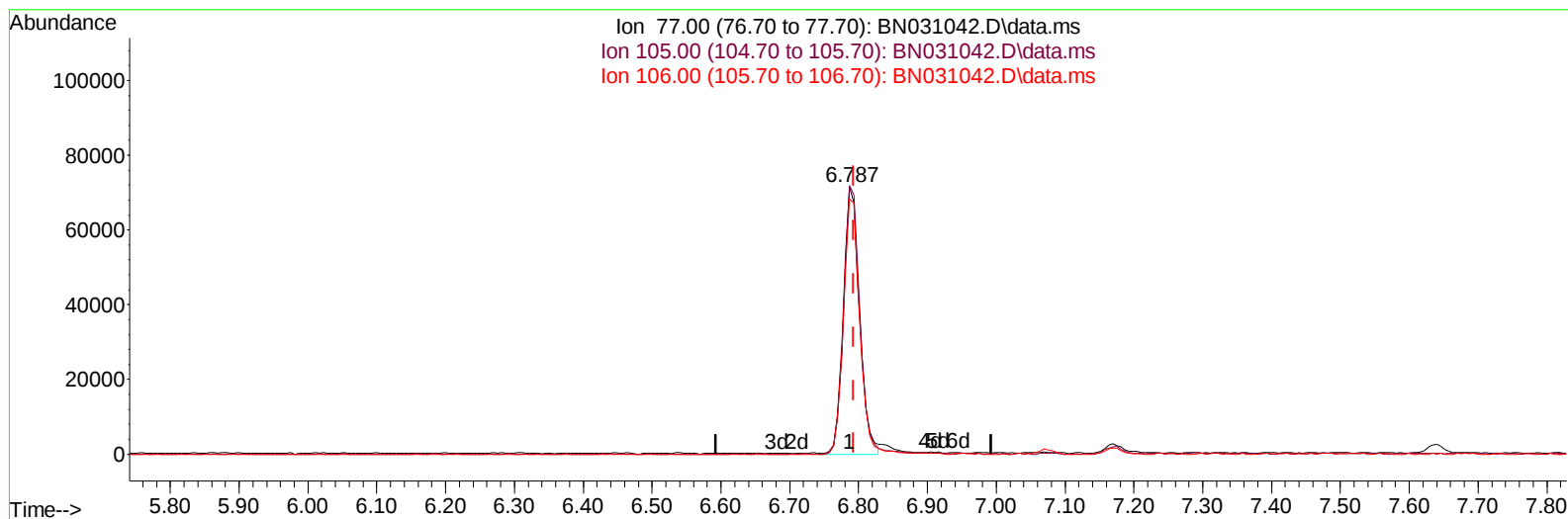
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Supervised By :mohammad ahmed 04/30/2024



TIC: BN031042.D\data.ms

(6) Benzaldehyde

6.787min (-0.006) 27.73 ng/ul m

response 117318

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 97.60  | 100.31 |
| 106.00 | 94.50  | 95.32  |
| 0.00   | 0.00   | 0.00   |

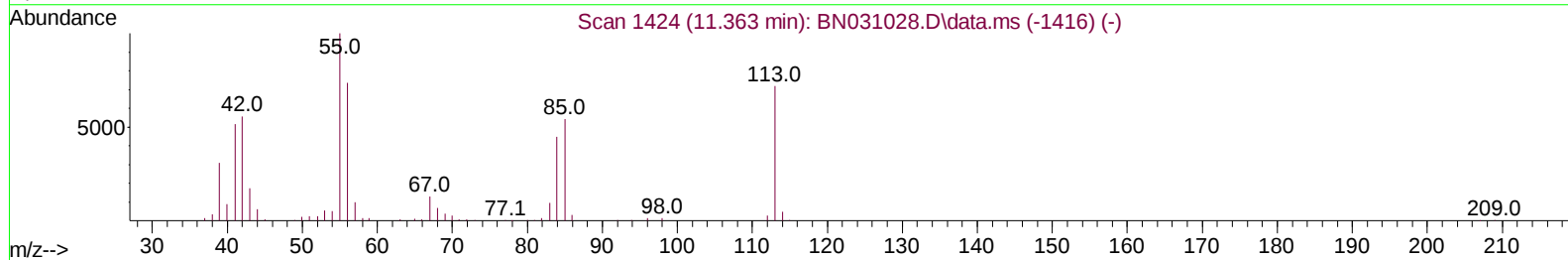
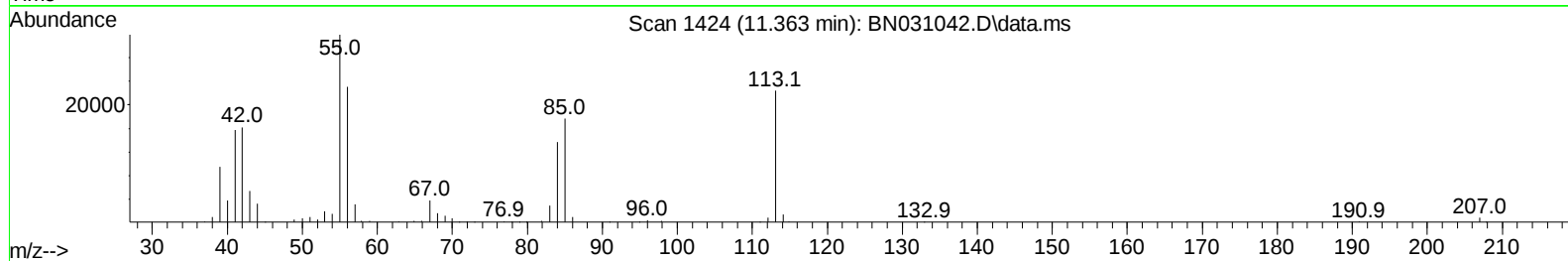
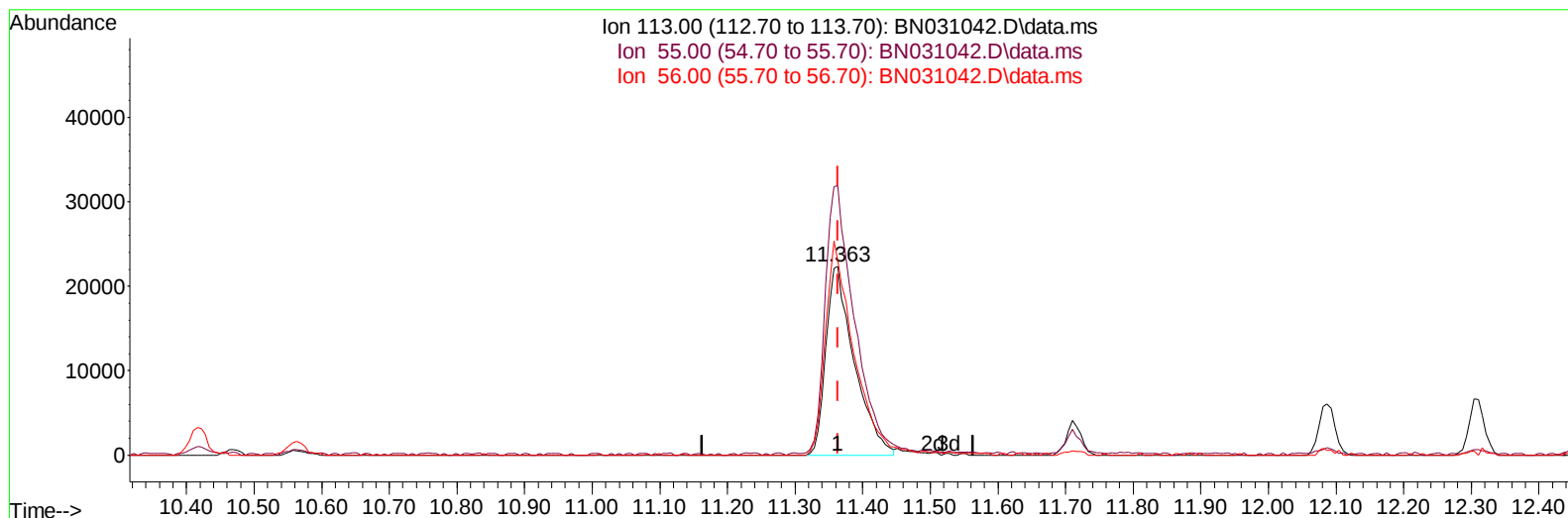
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Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BN031042.D\data.ms

**(34) Caprolactam**

**11.363min (+ 0.000) 22.85 ng/ul**

**response 64974**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 155.90 | 142.47 |
| 56.00  | 113.20 | 103.08 |
| 0.00   | 0.00   | 0.00   |

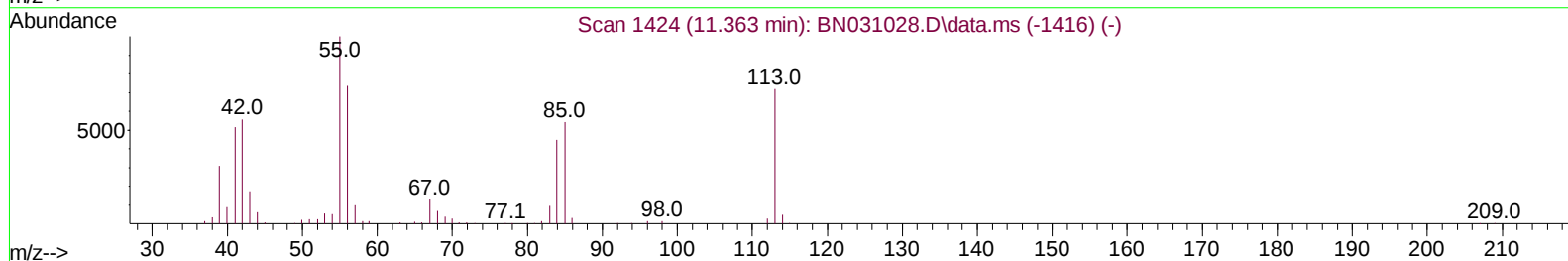
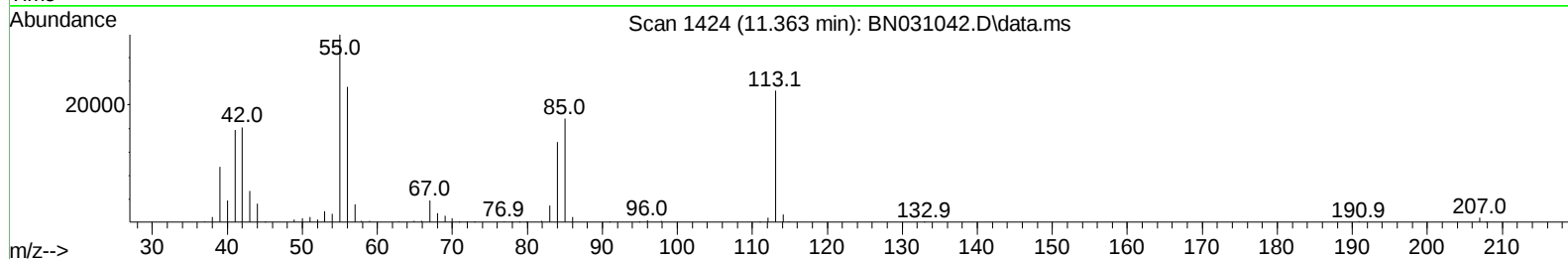
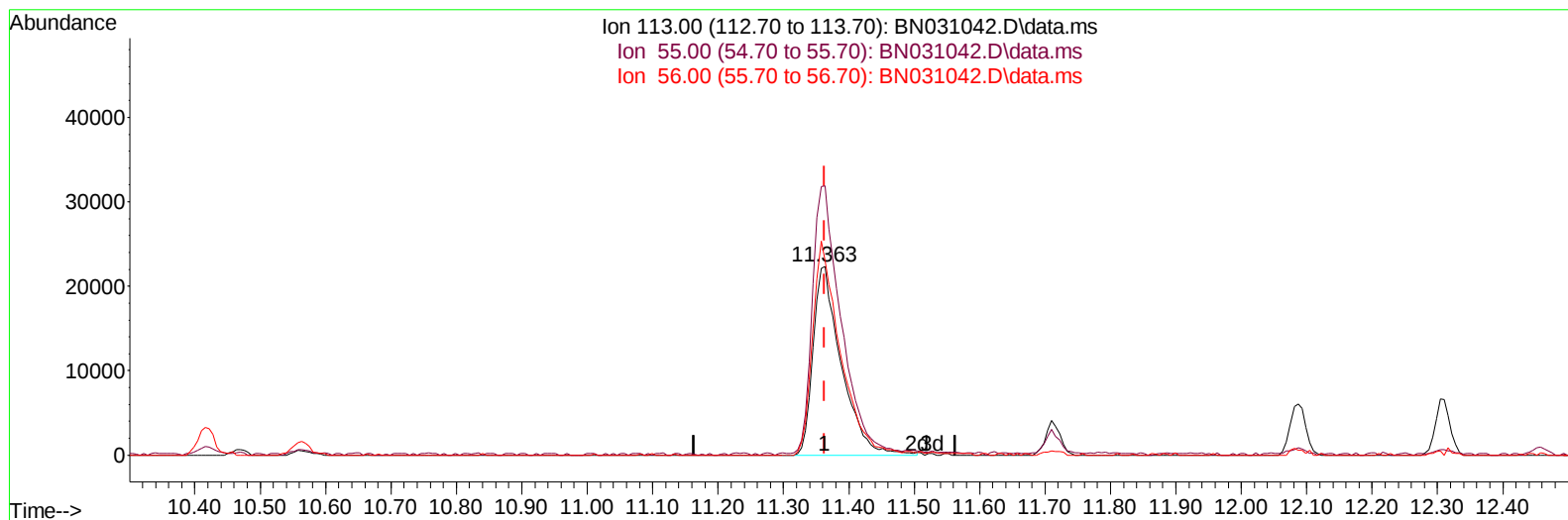
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041724\  
 Data File : BN031042.D  
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 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/30/2024



TIC: BN031042.D\data.ms

**(34) Caprolactam**

11.363min (+ 0.000) 23.34 ng/ul m

response 66372

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 155.90 | 142.47 |
| 56.00  | 113.20 | 103.08 |
| 0.00   | 0.00   | 0.00   |

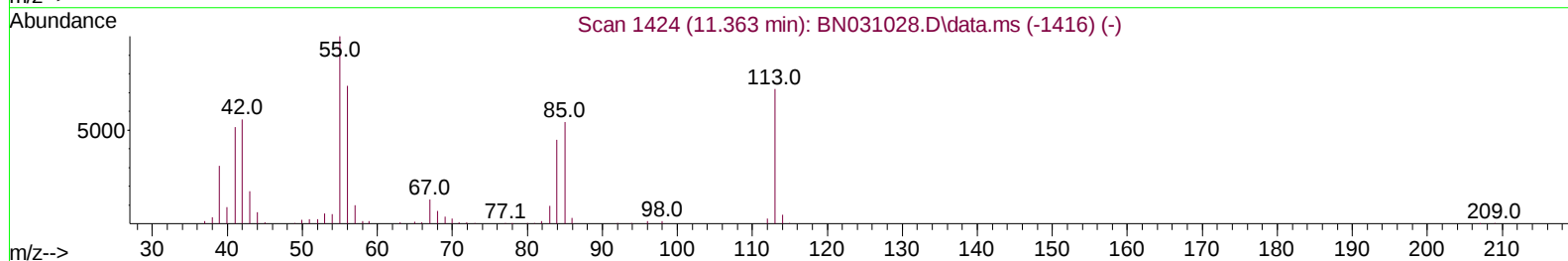
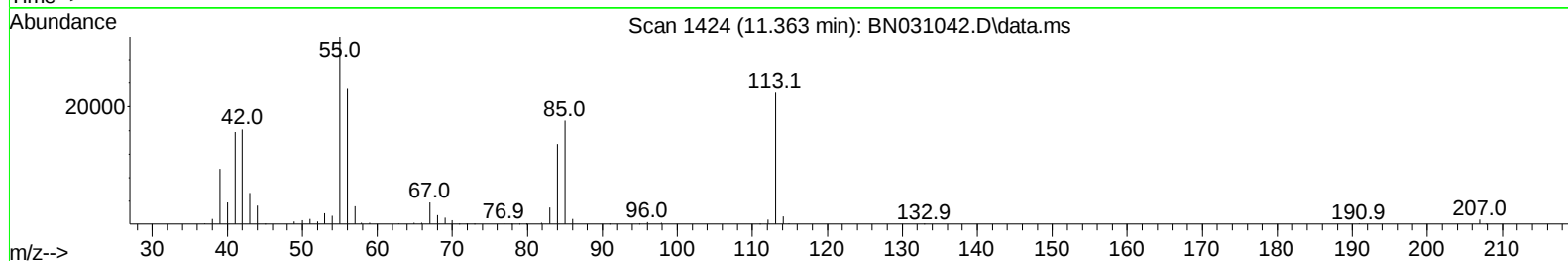
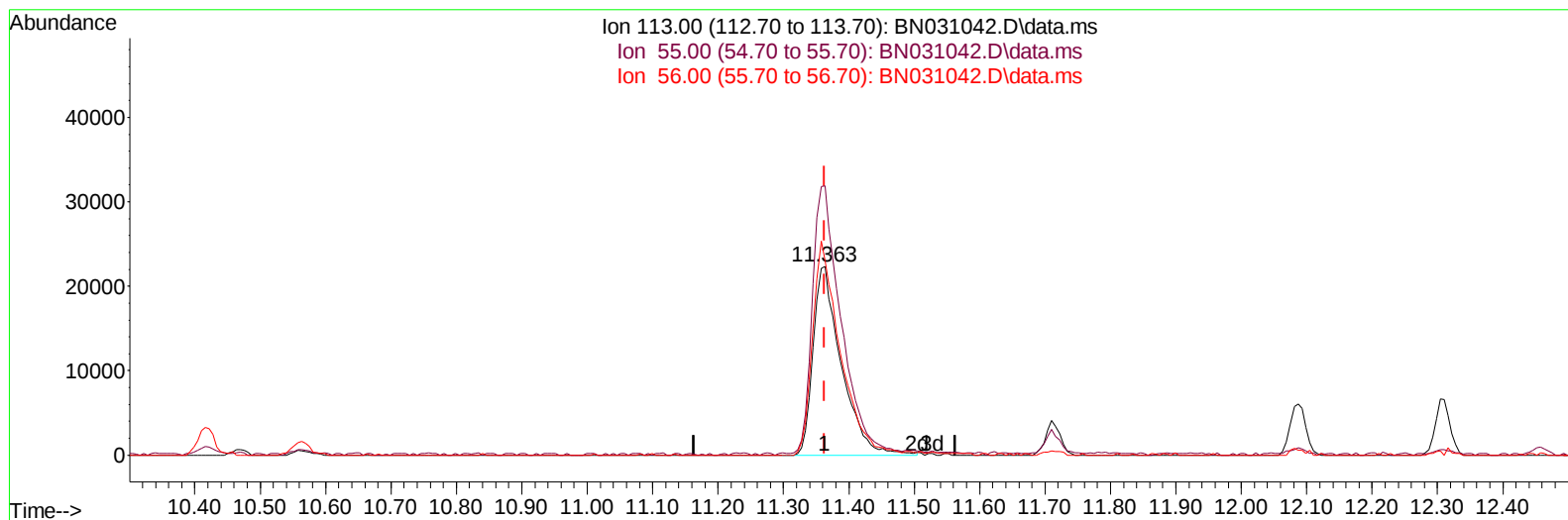
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041724\  
Data File : BN031042.D  
Acq On : 19 Apr 2024 14:16  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 19 14:48:25 2024  
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TIC: BN031042.D\data.ms

**(34) Caprolactam**

**11.363min (+ 0.000) 23.34 ng/ul m**

**response 66372**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 155.90 | 142.47 |
| 56.00  | 113.20 | 103.08 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041724\  
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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 112296   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 536823   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.287 | 164  | 383977   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188  | 862452   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240  | 970939   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.168 | 264  | 1324150  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.146  | 96   | 20582    | 8.593  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.558  | 84   | 144315   | 20.096 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.811  | 99   | 200416   | 22.062 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 114668   | 20.437 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 158332   | 22.976 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.346  | 113  | 168218   | 22.095 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 83240    | 22.353 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 86542    | 25.404 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 166740   | 22.357 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 263033   | 21.423 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 554601   | 21.633 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 643562   | 21.833 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.492 | 143  | 115276   | 23.508 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.281 | 176  | 498779   | 22.233 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 89226    | 23.439 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188  | 812848   | 21.874 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 1022945  | 19.596 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 1324847  | 21.714 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.181  | 88   | 21179    | 8.255  | ng/uL  | 93       |
| 5) Pyridine                   | 3.575  | 79   | 145541   | 20.085 | ng/ul  | 96       |
| 6) Benzaldehyde               | 6.787  | 77   | 117318m  | 27.732 | ng/ul  |          |
| 8) Phenol                     | 6.840  | 94   | 207145   | 21.889 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.075  | 93   | 165808   | 21.486 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.205  | 128  | 165391   | 22.373 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.081  | 108  | 160974   | 22.074 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 215431   | 19.825 | ng/ul  | 96       |
| 16) Acetophenone              | 8.457  | 105  | 263239   | 21.899 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70   | 134016   | 22.136 | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.405  | 108  | 177943   | 21.797 | ng/ul  | 94       |
| 19) Hexachloroethane          | 8.705  | 117  | 67747    | 21.858 | ng/ul  | 95       |
| 22) Nitrobenzene              | 8.834  | 77   | 192530   | 21.179 | ng/ul  | 98       |
| 23) Isophorone                | 9.357  | 82   | 398230   | 21.966 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 98272    | 24.545 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 194556   | 21.863 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 237797   | 20.630 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 169323   | 22.243 | ng/ul  | 98       |
| 30) Naphthalene               | 10.469 | 128  | 582249   | 21.148 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.587 | 127  | 255753   | 21.614 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.746 | 225  | 101834   | 21.253 | ng/ul  | 96       |
| 34) Caprolactam               | 11.363 | 113  | 66372m   | 23.338 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 197910   | 23.083 | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 411510   | 21.402 | ng/ul | 99       |
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 421753   | 21.608 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 210707   | 21.264 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.434 | 237  | 112338   | 19.962 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 140791   | 22.737 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 158753   | 22.701 | ng/ul | 94       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 550619   | 21.039 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 432656   | 21.000 | ng/ul | 96       |
| 45) 2-Nitroaniline            | 13.369 | 65   | 127324   | 23.222 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.745 | 163  | 576115   | 21.755 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.869 | 165  | 112399   | 22.892 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.004 | 152  | 742026   | 21.788 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.198 | 138  | 131415   | 25.216 | ng/ul | 99       |
| 52) Acenaphthene              | 14.345 | 153  | 494686   | 21.796 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 52931    | 23.471 | ng/ul | 91       |
| 55) 4-Nitrophenol             | 14.510 | 109  | 94215    | 24.250 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.687 | 168  | 685626   | 21.732 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 172911   | 24.121 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 141608   | 24.382 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.122 | 149  | 598914   | 22.262 | ng/ul | 99       |
| 61) Fluorene                  | 15.334 | 166  | 560489   | 22.351 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 271812   | 22.093 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.369 | 138  | 148290   | 29.268 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 95852    | 23.433 | ng/ul | 93       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 491969   | 20.946 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 174836   | 21.348 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.334 | 284  | 199597   | 20.698 | ng/ul | 98       |
| 70) Atrazine                  | 16.510 | 200  | 178331   | 21.905 | ng/ul | 95       |
| 71) Pentachlorophenol         | 16.681 | 266  | 127433   | 22.412 | ng/ul | 96       |
| 72) Phenanthrene              | 17.075 | 178  | 946818   | 21.368 | ng/ul | 98       |
| 74) Anthracene                | 17.163 | 178  | 979035   | 21.856 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.075 | 216  | 212840   | 20.088 | ng/uL | 96       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 220227   | 20.463 | ng/uL | 96       |
| 77) Carbazole                 | 17.439 | 167  | 929601   | 23.664 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.010 | 149  | 1123726  | 23.449 | ng/ul | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 1214338  | 19.569 | ng/ul | 100      |
| 82) Pyrene                    | 19.463 | 202  | 1279870  | 19.529 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.375 | 149  | 587849   | 23.488 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 467822   | 26.222 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 1396822  | 21.556 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.180 | 149  | 884718   | 23.971 | ng/ul | 98       |
| 87) Chrysene                  | 21.310 | 228  | 1333157  | 21.797 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 1687164  | 20.120 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 1577143  | 20.238 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 1576354  | 19.918 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 1559094  | 21.179 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.427 | 276  | 1923964  | 24.178 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.486 | 278  | 1611753  | 24.059 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 28.439 | 276  | 1555364  | 24.897 | ng/ul | 97       |

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

**Instrument :**  
BNA\_N  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

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