

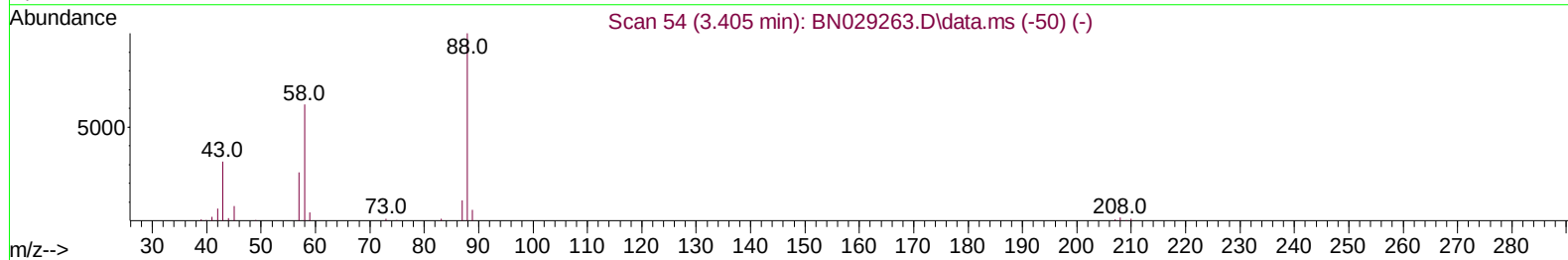
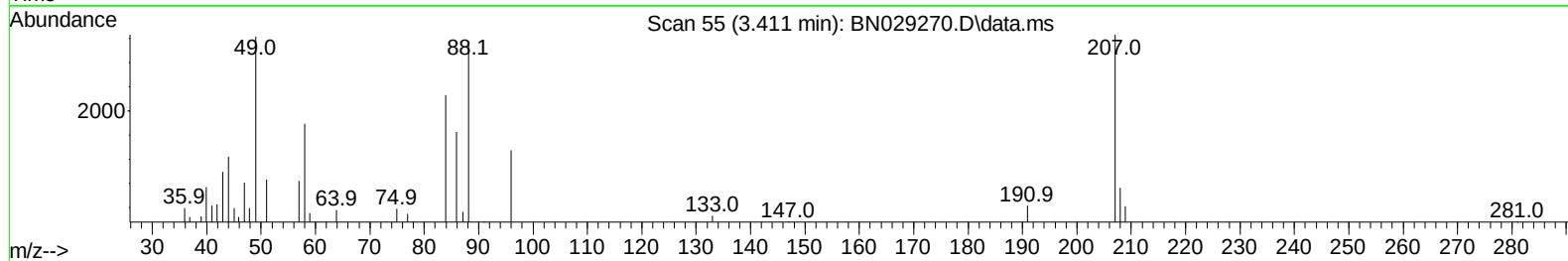
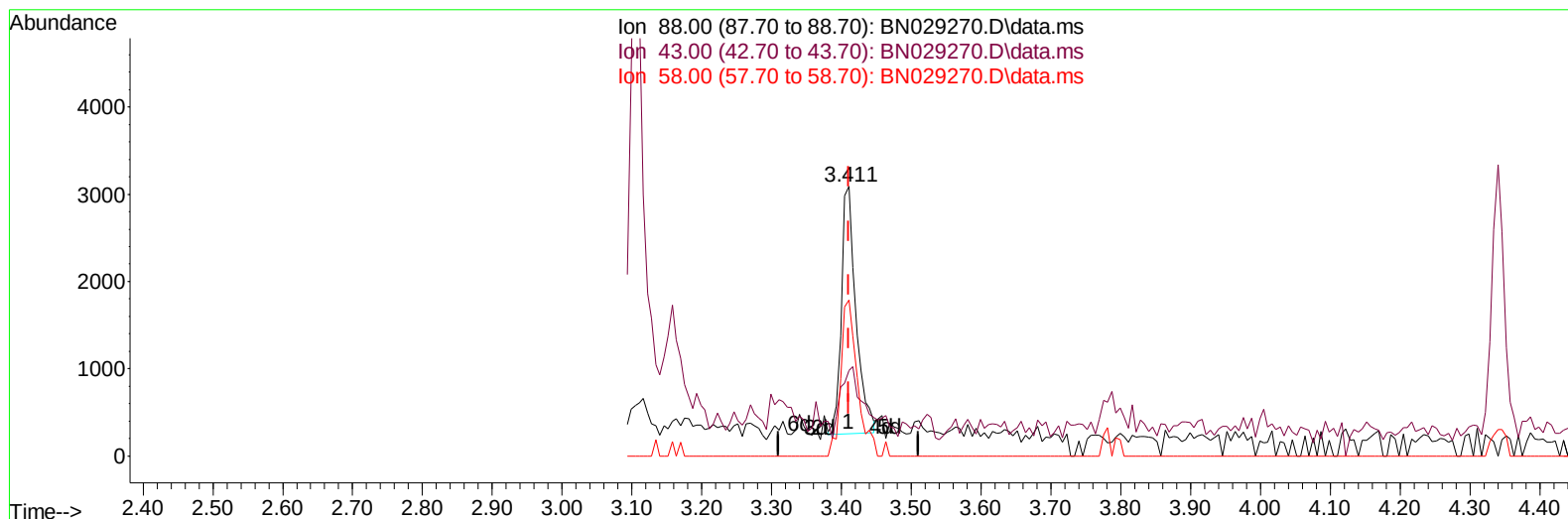
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
Data File : BN029270.D  
Acq On : 17 Jan 2024 13:59  
Operator : MA/JU  
Sample : 03573-06  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024  
Supervised By :Sohil Jodhani 01/18/2024

Quant Time: Jan 17 14:39:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 16 03:57:40 2024  
Response via : Initial Calibration



TIC: BN029270.D\data.ms

## (2) 1,4-Dioxane

3.411min (+ 0.000) 1.18 ng/uL

response 4108

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 32.90  | 31.79  |
| 58.00 | 62.10  | 57.79  |
| 0.00  | 0.00   | 0.00   |

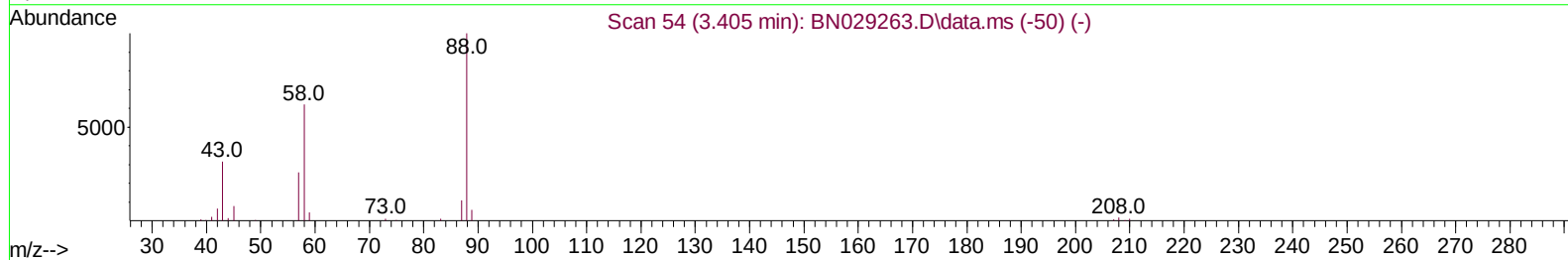
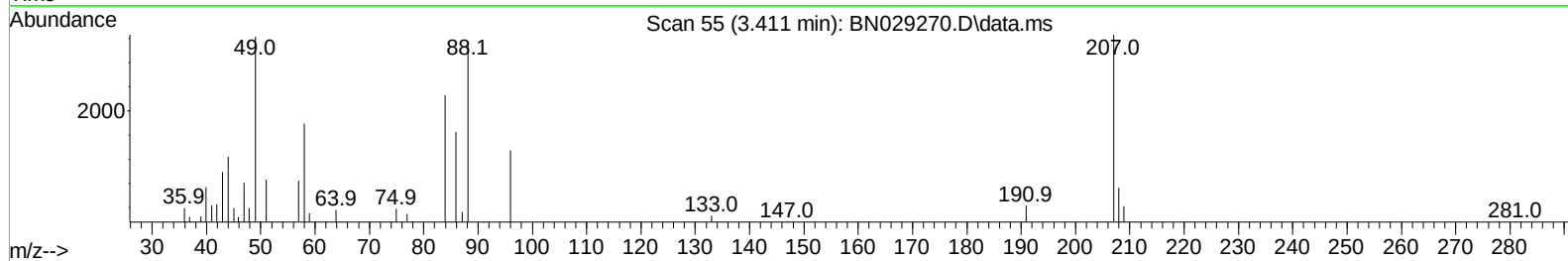
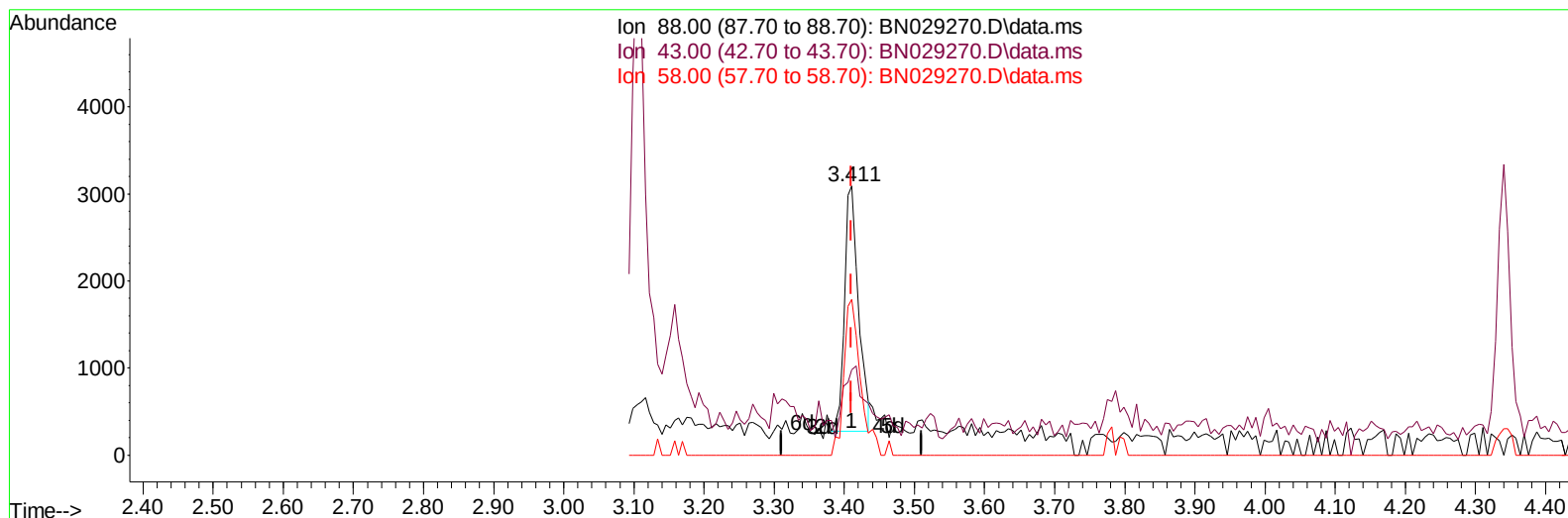
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
Data File : BN029270.D  
Acq On : 17 Jan 2024 13:59  
Operator : MA/JU  
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MDL-MED-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

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Supervised By :Sohil Jodhani 01/18/2024

Quant Time: Jan 17 14:39:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 16 03:57:40 2024  
Response via : Initial Calibration



TIC: BN029270.D\data.ms

## (2) 1,4-Dioxane

3.411min (+ 0.000) 1.12 ng/uL m

response 3897

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 32.90  | 31.79  |
| 58.00 | 62.10  | 57.79  |
| 0.00  | 0.00   | 0.00   |

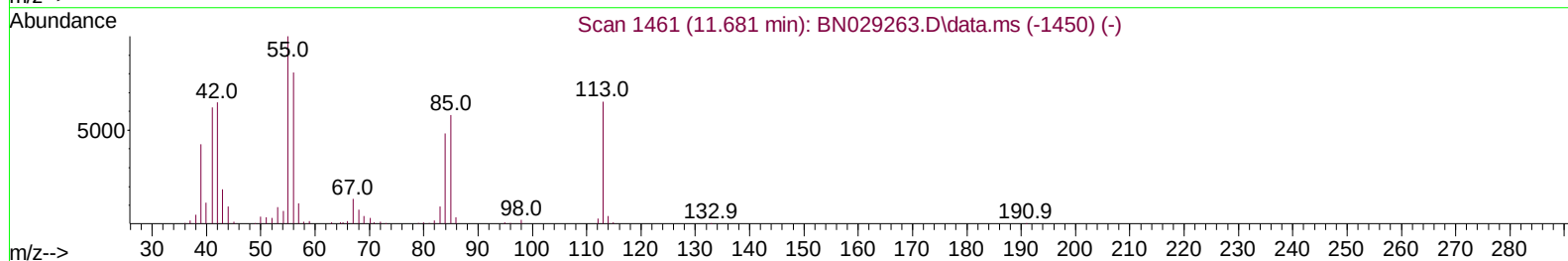
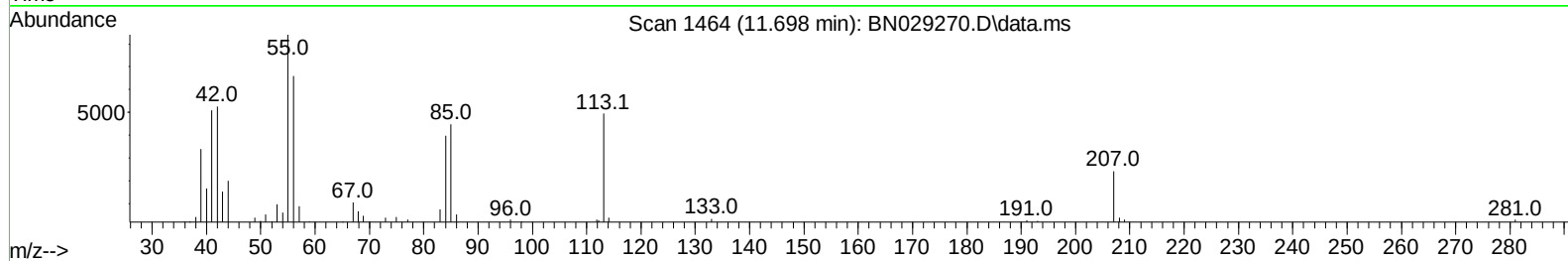
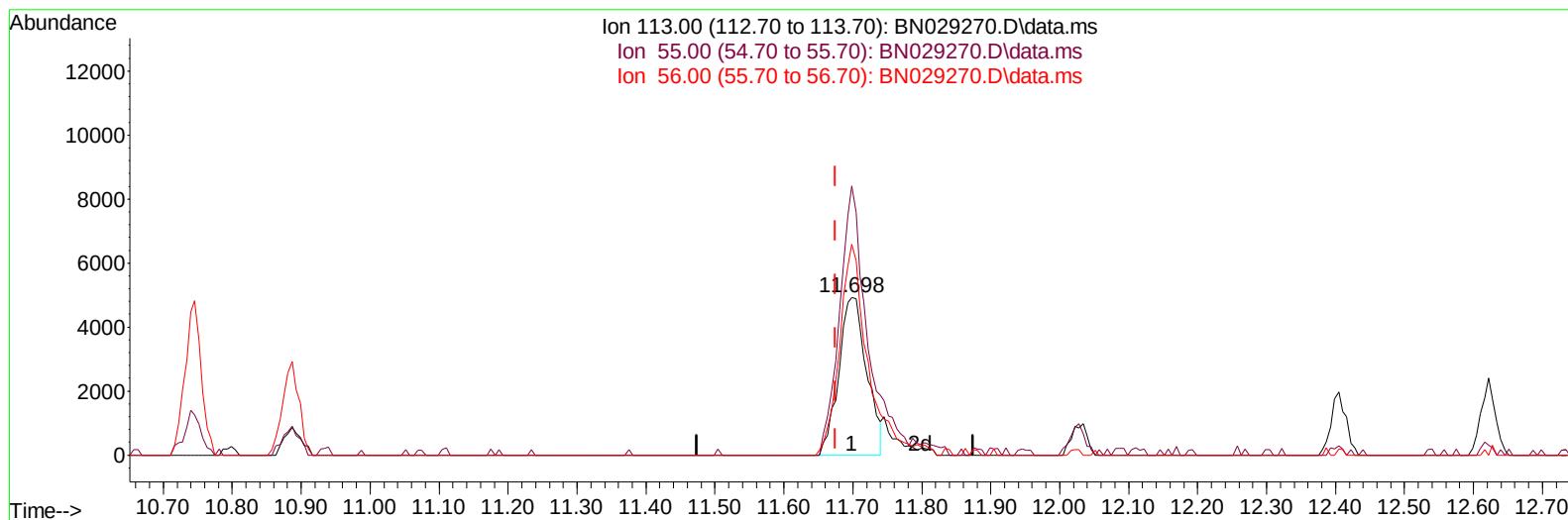
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
Data File : BN029270.D  
Acq On : 17 Jan 2024 13:59  
Operator : MA/JU  
Sample : 03573-06  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024  
Supervised By :Sohil Jodhani 01/18/2024

Quant Time: Jan 17 14:39:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 16 03:57:40 2024  
Response via : Initial Calibration



TIC: BN029270.D\data.ms

## (34) Caprolactam

11.698min (+ 0.024) 3.68 ng/ul

response 13839

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 166.10 | 170.33 |
| 56.00  | 120.60 | 133.54 |
| 0.00   | 0.00   | 0.00   |

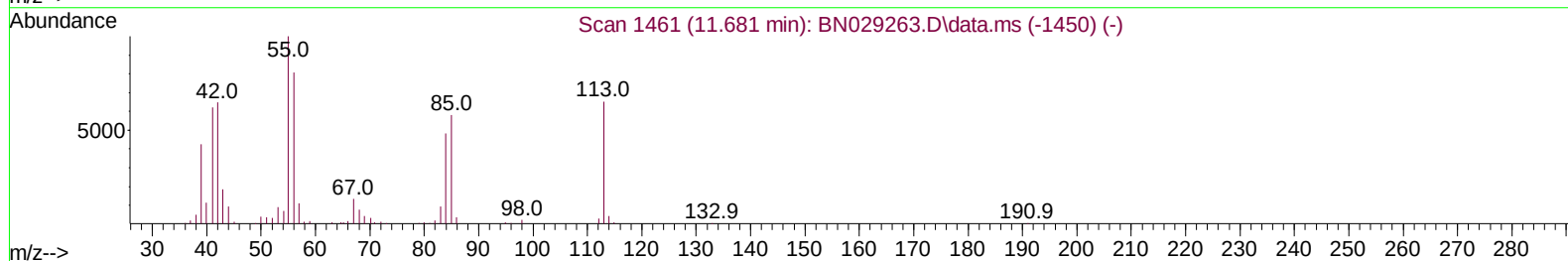
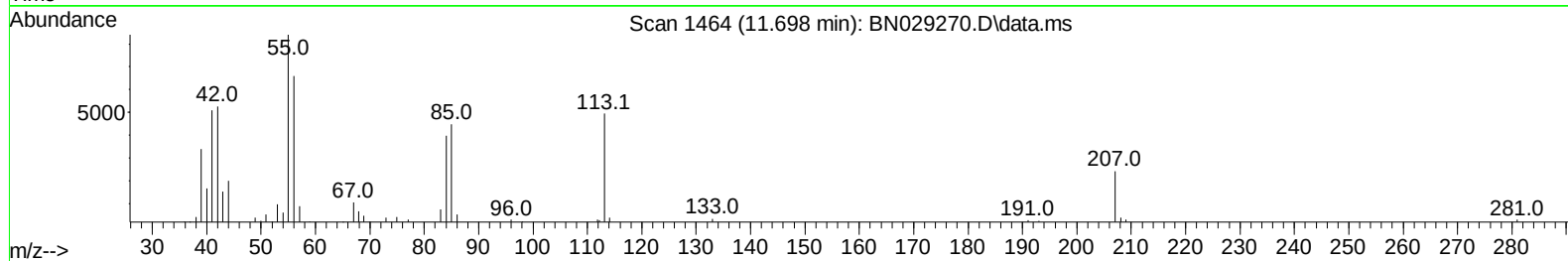
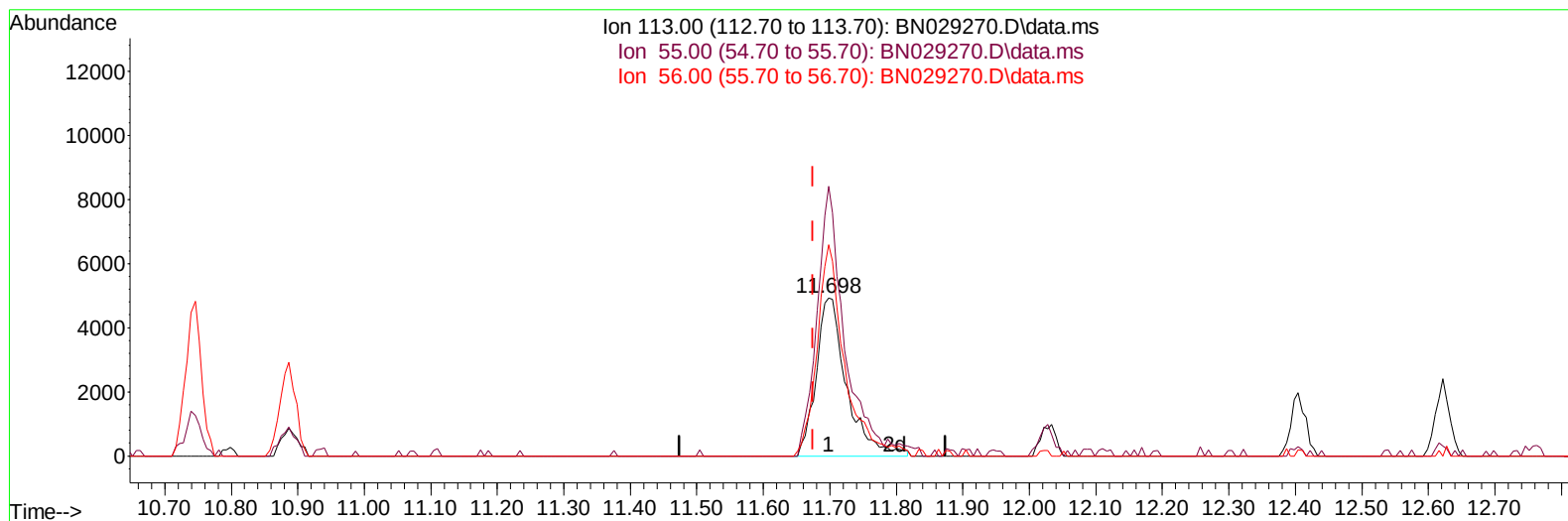
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
Data File : BN029270.D  
Acq On : 17 Jan 2024 13:59  
Operator : MA/JU  
Sample : 03573-06  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT3-2023-06

Manual IntegrationsAPPROVED

Quant Time: Jan 17 14:39:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 16 03:57:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/18/2024  
Supervised By :Sohil Jodhani 01/18/2024



TIC: BN029270.D\data.ms

(34) Caprolactam

11.698min (+ 0.024) 4.15 ng/ul m

response 15621

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 166.10 | 170.33 |
| 56.00  | 120.60 | 133.54 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
 Data File : BN029270.D  
 Acq On : 17 Jan 2024 13:59  
 Operator : MA/JU  
 Sample : 03573-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-MED-SOIL-QT3-2023-06

Manual IntegrationsAPPROVED

Quant Time: Jan 17 14:41:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 03:57:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/18/2024  
 Supervised By :Sohil Jodhani 01/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 141610   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.746 | 136  | 630476   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 438188   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.333 | 188  | 990692   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 945992   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.945 | 264  | 1104281  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.369  | 96   | 17192    | 5.014  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 238569   | 22.557 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.099  | 99   | 274958   | 20.237 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 184763   | 21.560 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 209302   | 21.777 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 223062   | 20.362 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 108601   | 23.743 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 89343    | 23.553 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.363 | 165  | 200330   | 21.217 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 339646   | 19.876 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.998 | 166  | 765781   | 21.231 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 863375   | 21.254 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 117128   | 18.658 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 664935   | 21.631 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200  | 66239    | 15.899 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.433 | 188  | 1025780  | 20.597 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.727 | 212  | 1220599  | 23.220 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.786 | 264  | 1235255  | 21.704 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.411  | 88   | 3897m    | 1.120  | ng/ul  |          |
| 5) Pyridine                   | 3.805  | 79   | 45727    | 4.232  | ng/ul# | 72       |
| 6) Benzaldehyde               | 7.087  | 77   | 38231    | 6.270  | ng/ul  | 95       |
| 8) Phenol                     | 7.128  | 94   | 55055    | 3.987  | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 47001    | 4.193  | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 43560    | 4.354  | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.387  | 108  | 38772    | 3.686  | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 62687    | 4.374  | ng/ul  | 98       |
| 16) Acetophenone              | 8.769  | 105  | 75905    | 4.089  | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 40298    | 4.125  | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.710  | 108  | 44929    | 3.969  | ng/ul  | 99       |
| 19) Hexachloroethane          | 9.016  | 117  | 19789    | 4.357  | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.152  | 77   | 59011    | 4.667  | ng/ul  | 99       |
| 23) Isophorone                | 9.675  | 82   | 109739   | 4.083  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 19989    | 4.501  | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.916  | 107  | 49770    | 4.191  | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 66205    | 4.376  | ng/ul  | 94       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 40141    | 4.323  | ng/ul  | 96       |
| 30) Naphthalene               | 10.793 | 128  | 158787   | 4.417  | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 10.910 | 127  | 68610    | 4.127  | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 28082    | 4.285  | ng/ul  | 94       |
| 34) Caprolactam               | 11.698 | 113  | 15621m   | 4.151  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 44714    | 4.059  | ng/ul  | 98       |

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 Operator : MA/JU  
 Sample : 03573-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-MED-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024  
 Supervised By :Sohil Jodhani 01/18/2024

Quant Time: Jan 17 14:41:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 03:57:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 110715   | 4.404 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 111993   | 4.490 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 57438    | 4.206 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.740 | 237  | 36437    | 3.985 | ng/ul# | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 27200    | 3.594 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.075 | 196  | 33340    | 3.924 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 149010   | 4.220 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.457 | 162  | 114664   | 4.157 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.663 | 65   | 29314    | 4.009 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.045 | 163  | 154529   | 4.207 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.169 | 165  | 22182    | 3.735 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.304 | 152  | 195784   | 4.154 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.492 | 138  | 23880    | 3.702 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.645 | 153  | 128367   | 4.150 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.698 | 184  | 11720    | 4.618 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.792 | 109  | 26588    | 4.623 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.981 | 168  | 179657   | 4.294 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 34034    | 3.913 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 23960    | 3.418 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.416 | 149  | 157076   | 4.100 | ng/ul  | 99       |
| 61) Fluorene                  | 15.628 | 166  | 151293   | 4.175 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.634 | 204  | 74912    | 4.231 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 26980    | 4.248 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 18188    | 3.791 | ng/ul# | 81       |
| 67) N-Nitrosodiphenylamine    | 15.845 | 169  | 123974   | 4.127 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 32815    | 2.963 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.622 | 284  | 53572    | 4.020 | ng/ul# | 90       |
| 70) Atrazine                  | 16.804 | 200  | 49693    | 4.357 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.975 | 266  | 26927    | 3.739 | ng/ul  | 91       |
| 72) Phenanthrene              | 17.375 | 178  | 242094   | 4.212 | ng/ul  | 99       |
| 74) Anthracene                | 17.463 | 178  | 240153   | 4.024 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 55541    | 4.146 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.887 | 250  | 63053    | 4.548 | ng/uL  | 94       |
| 77) Carbazole                 | 17.739 | 167  | 210734   | 3.818 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 247147   | 3.672 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 269328   | 4.336 | ng/ul  | 99       |
| 82) Pyrene                    | 19.757 | 202  | 302182   | 4.581 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.680 | 149  | 92520    | 3.587 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 81607    | 3.718 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 298990   | 4.289 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 153848   | 3.612 | ng/ul  | 100      |
| 87) Chrysene                  | 21.569 | 228  | 275561   | 4.274 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.416 | 149  | 231802   | 2.978 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.210 | 252  | 285290   | 4.074 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.257 | 252  | 283260   | 4.059 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.839 | 252  | 269335   | 4.056 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.439 | 276  | 327391   | 3.896 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.468 | 278  | 268061   | 3.825 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 250578   | 3.734 | ng/ul  | 98       |

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

**Instrument :**

BNA\_N

**ClientSampleId :**

MDL-MED-SOIL-QT3-2023-06

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/18/2024  
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