

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061924\  
 Data File : VW029201.D  
 Acq On : 19 Jun 2024 09:45  
 Operator : SY/MD  
 Sample : VW0619SBL01  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

BNA\_N

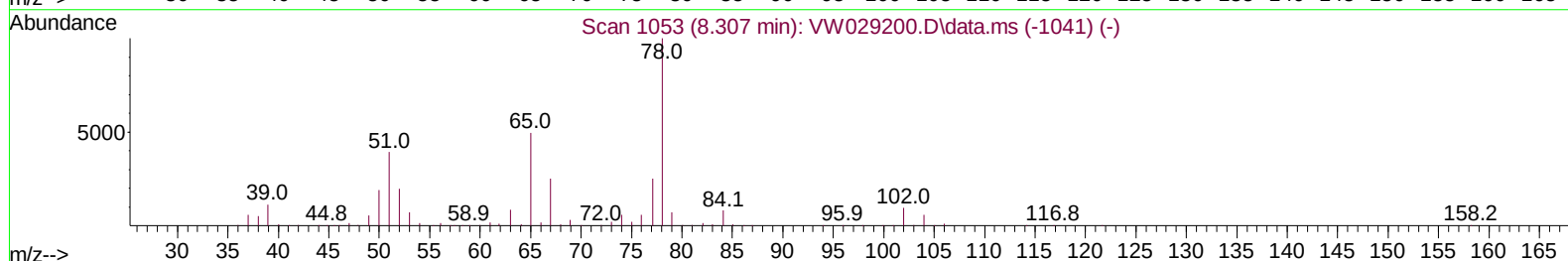
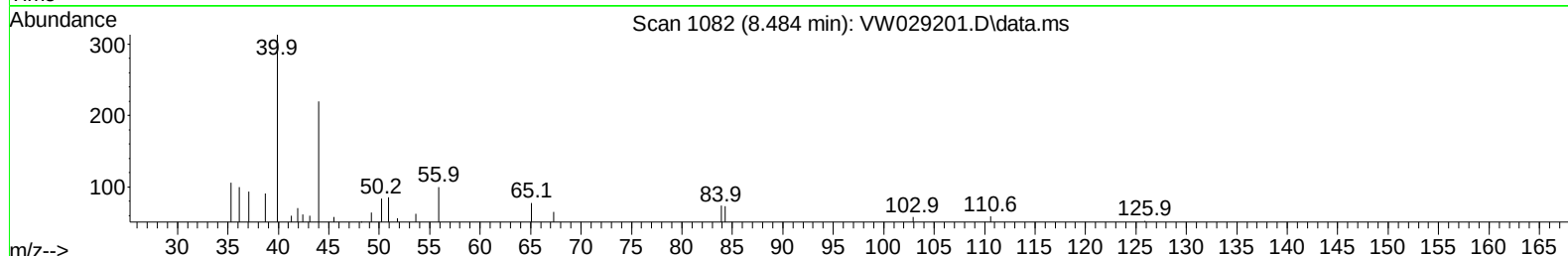
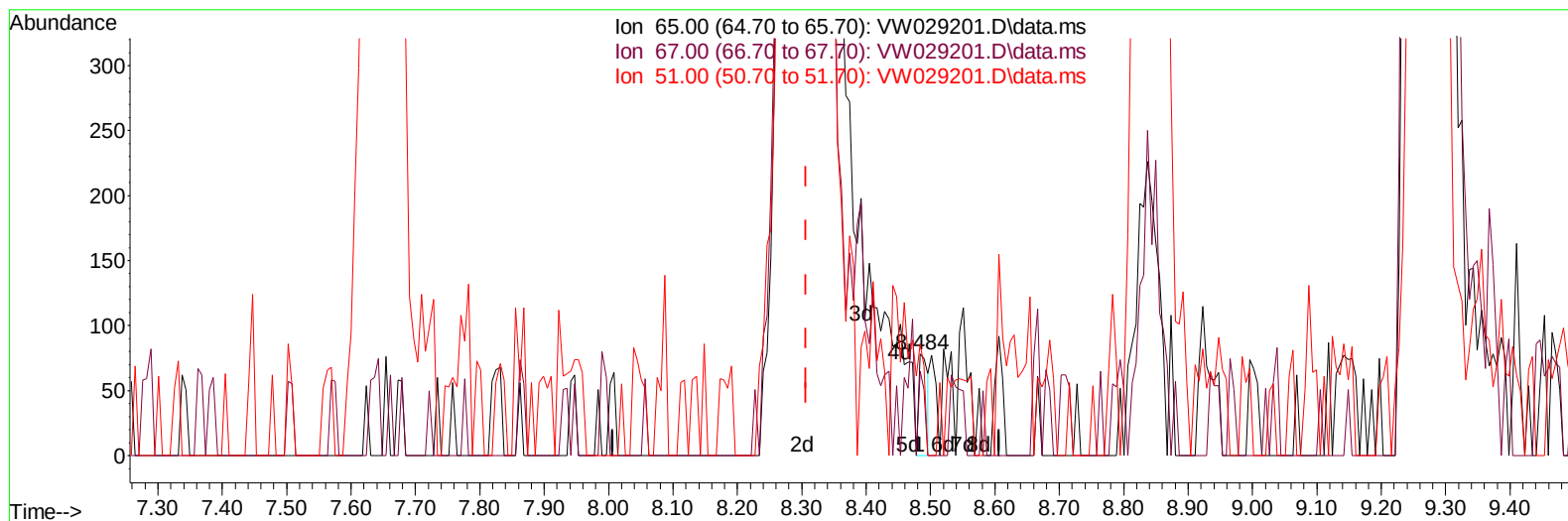
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 00:40:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 20 00:39:34 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024



TIC: VW029201.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

8.484min (+ 0.177) 0.02 ug/L

response 79

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 51.50  | 53.16  |
| 51.00 | 99.20  | 72.15  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061924\  
 Data File : VW029201.D  
 Acq On : 19 Jun 2024 09:45  
 Operator : SY/MD  
 Sample : VW0619SBL01  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

BNA\_N

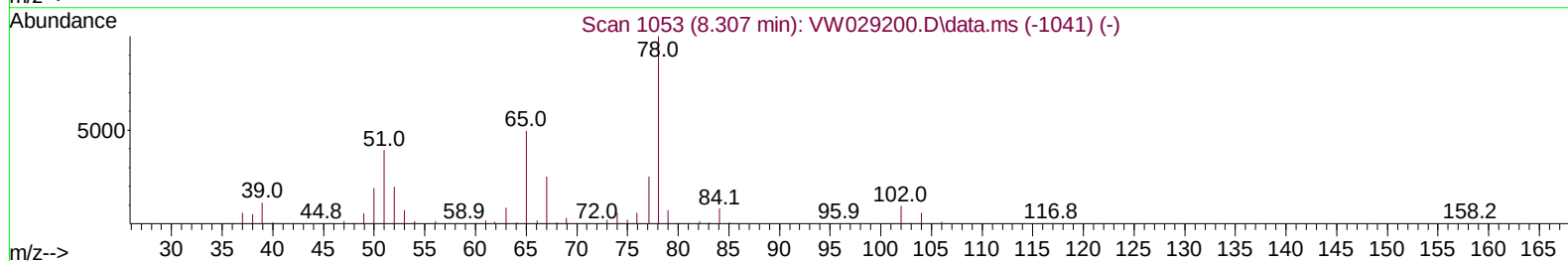
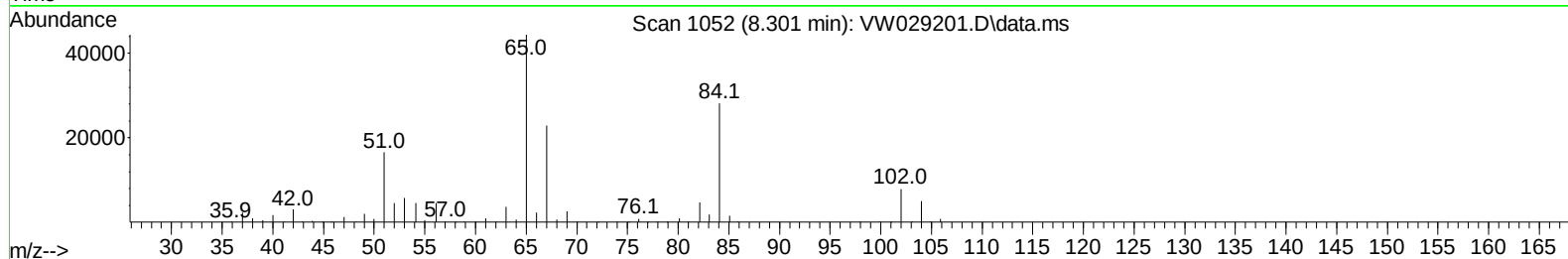
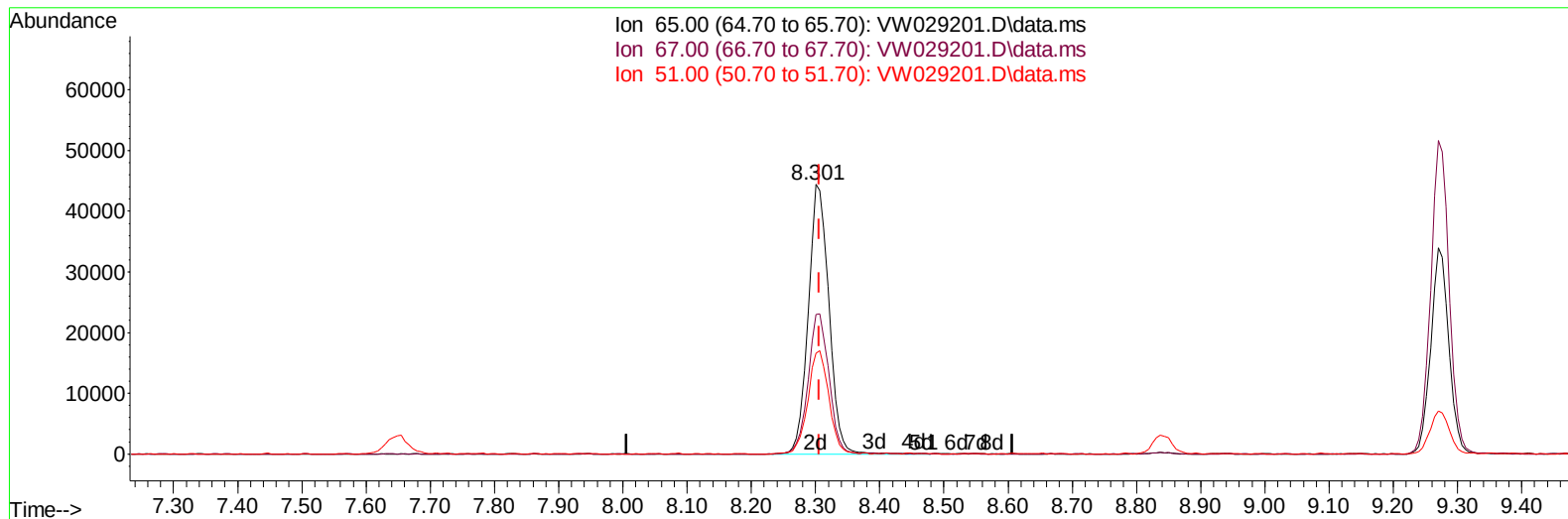
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 20 00:40:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 20 00:39:34 2024  
 Response via : Initial Calibration



TIC: VW029201.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

8.301min (-0.006) 23.28 ug/L m

response 99401

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 51.50  | 0.04#  |
| 51.00 | 99.20  | 0.06#  |
| 0.00  | 0.00   | 0.00   |

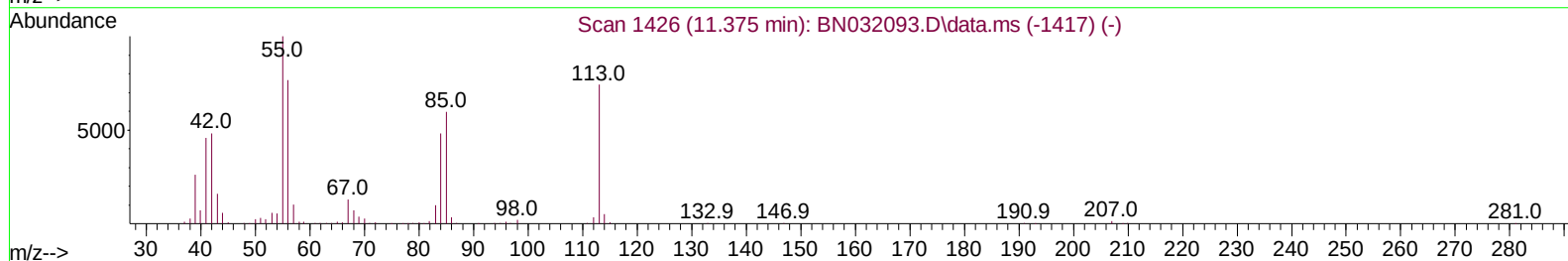
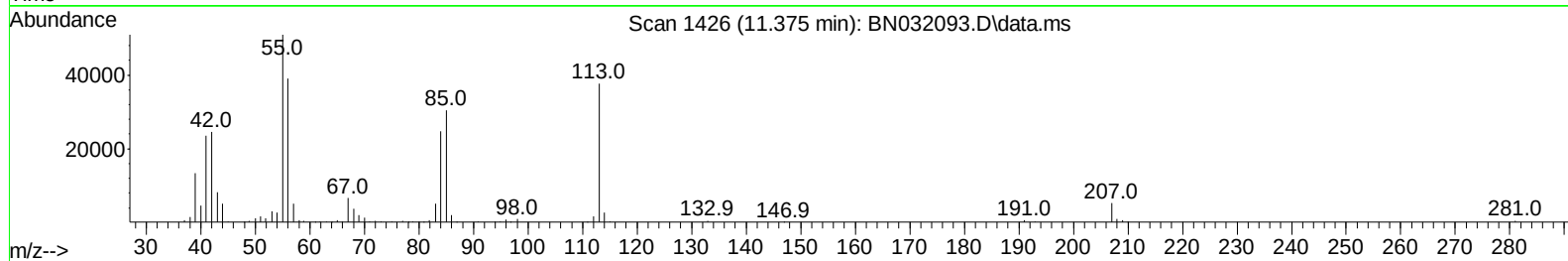
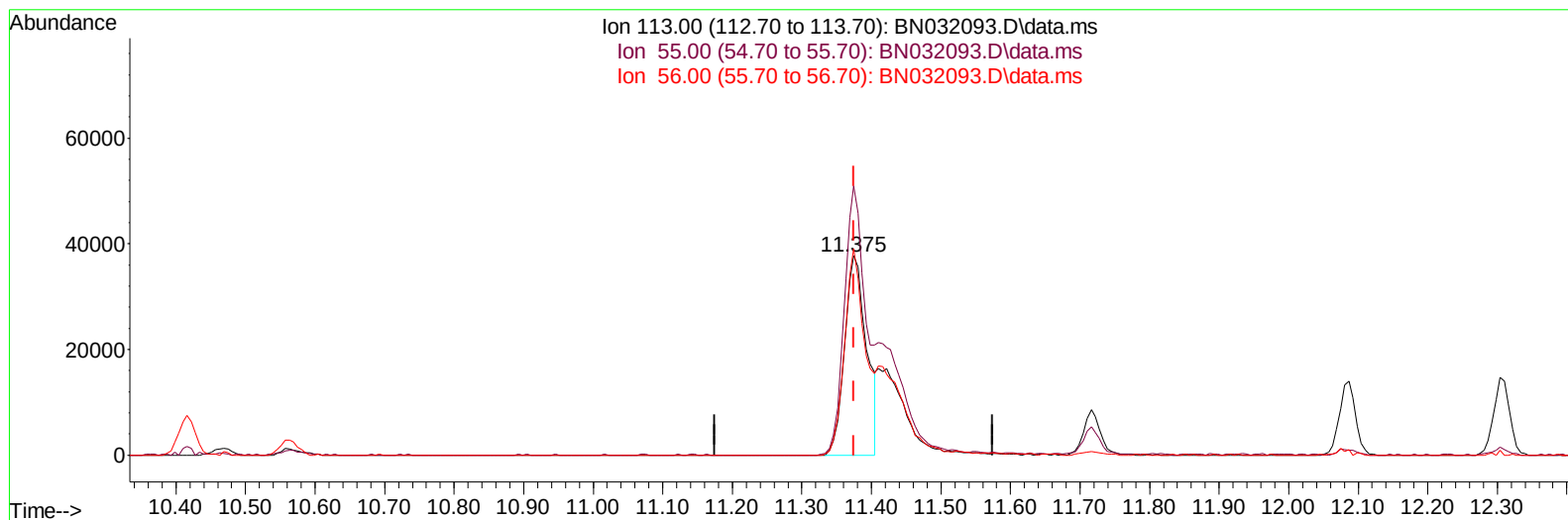
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
Data File : BN032093.D  
Acq On : 20 Jun 2024 09:33  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:48:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BN032093.D\data.ms

(34) Caprolactam

11.375min ( 0.000) 11.14 ng/ul

response 82773

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 146.50 | 134.87 |
| 56.00  | 111.70 | 103.47 |
| 0.00   | 0.00   | 0.00   |

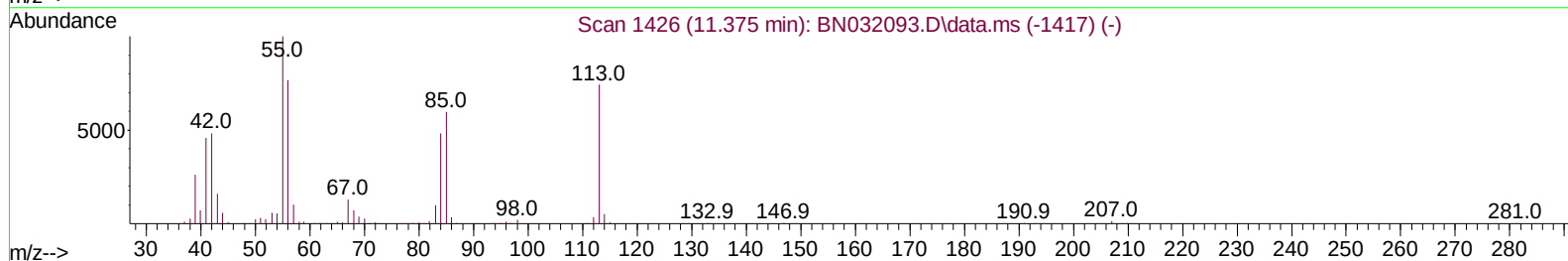
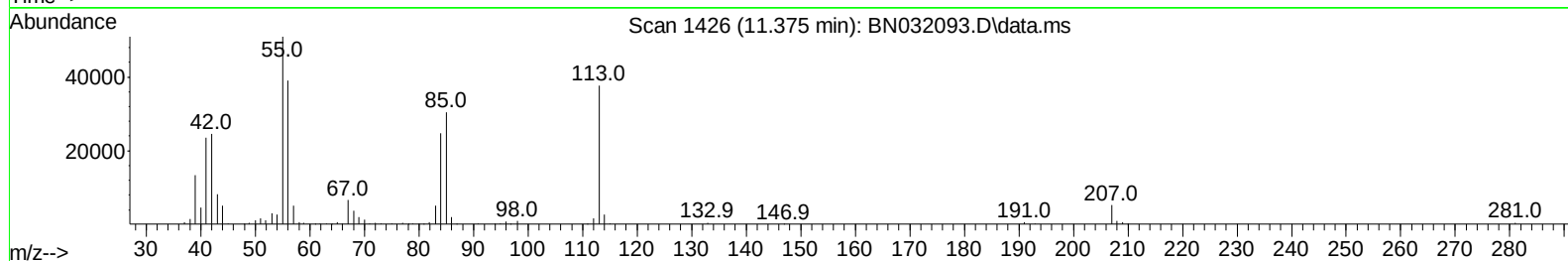
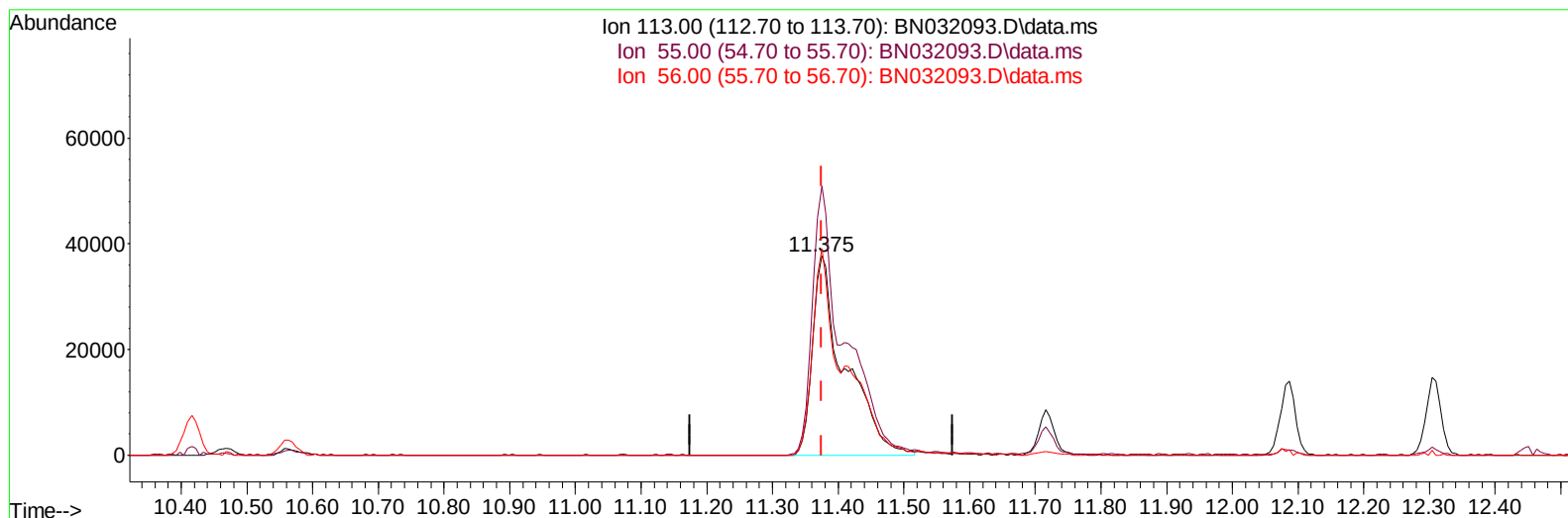
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
Data File : BN032093.D  
Acq On : 20 Jun 2024 09:33  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:48:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BN032093.D\data.ms

(34) Caprolactam

11.375min ( 0.000) 17.22 ng/ul m

response 127901

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 146.50 | 134.87 |
| 56.00  | 111.70 | 103.47 |
| 0.00   | 0.00   | 0.00   |

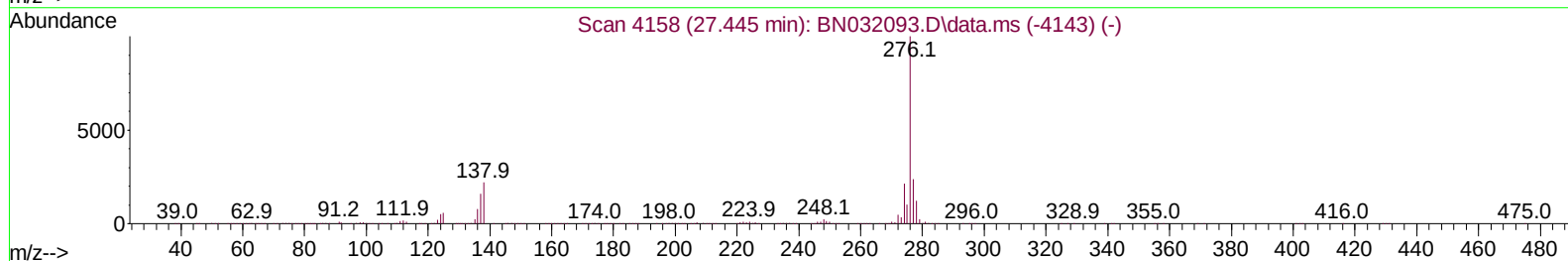
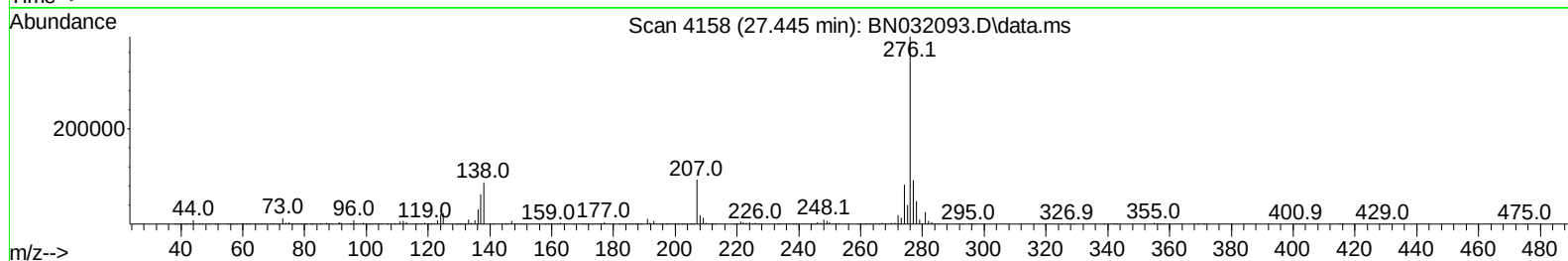
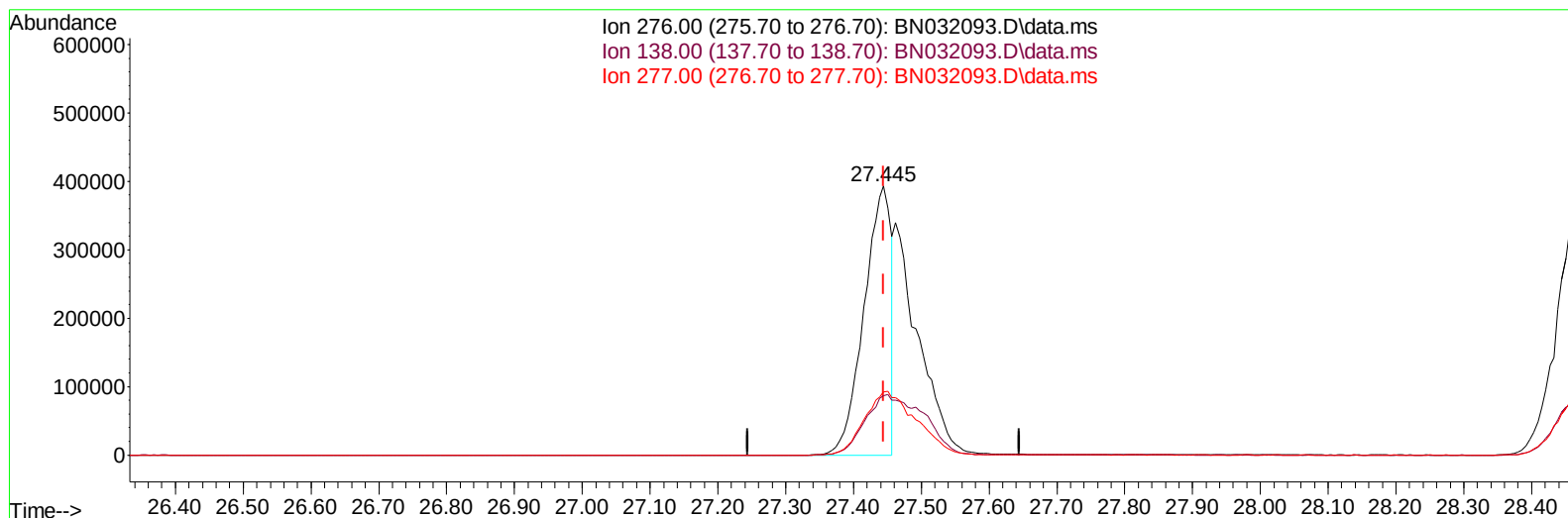
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
Data File : BN032093.D  
Acq On : 20 Jun 2024 09:33  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:48:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BN032093.D\data.ms

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

27.445min ( 0.000) 10.39 ng/u1

response 1085731

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.60  | 22.18  |
| 277.00 | 22.70  | 23.58  |
| 0.00   | 0.00   | 0.00   |

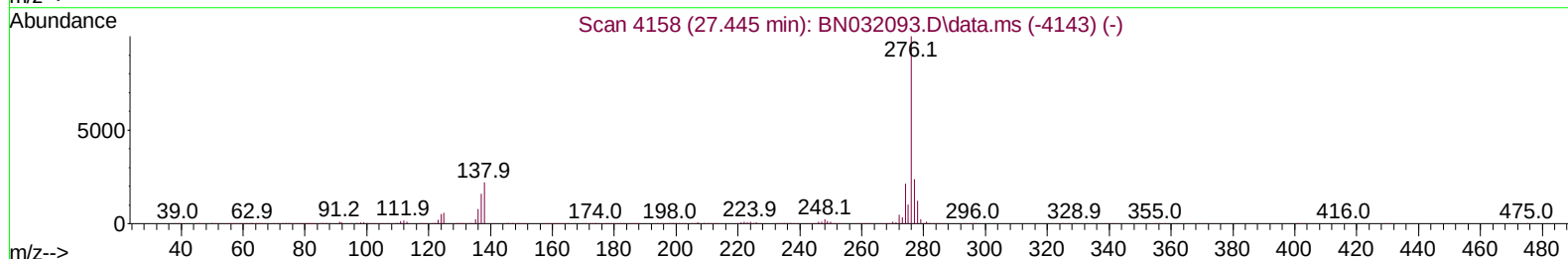
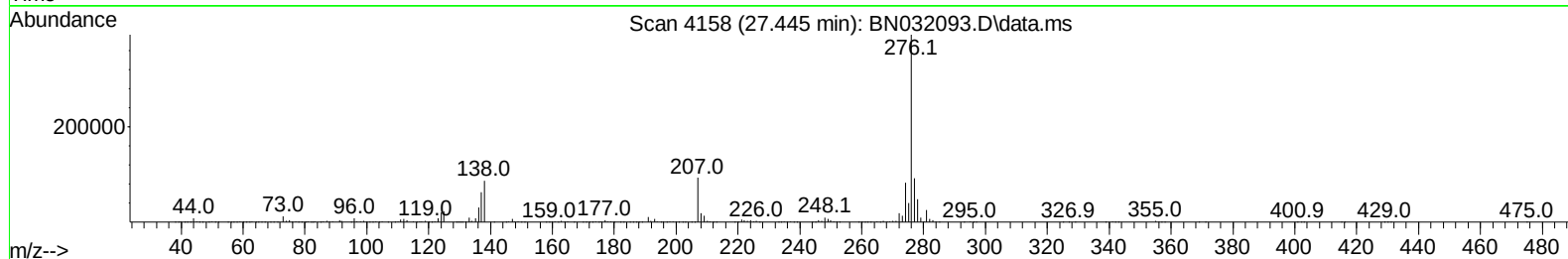
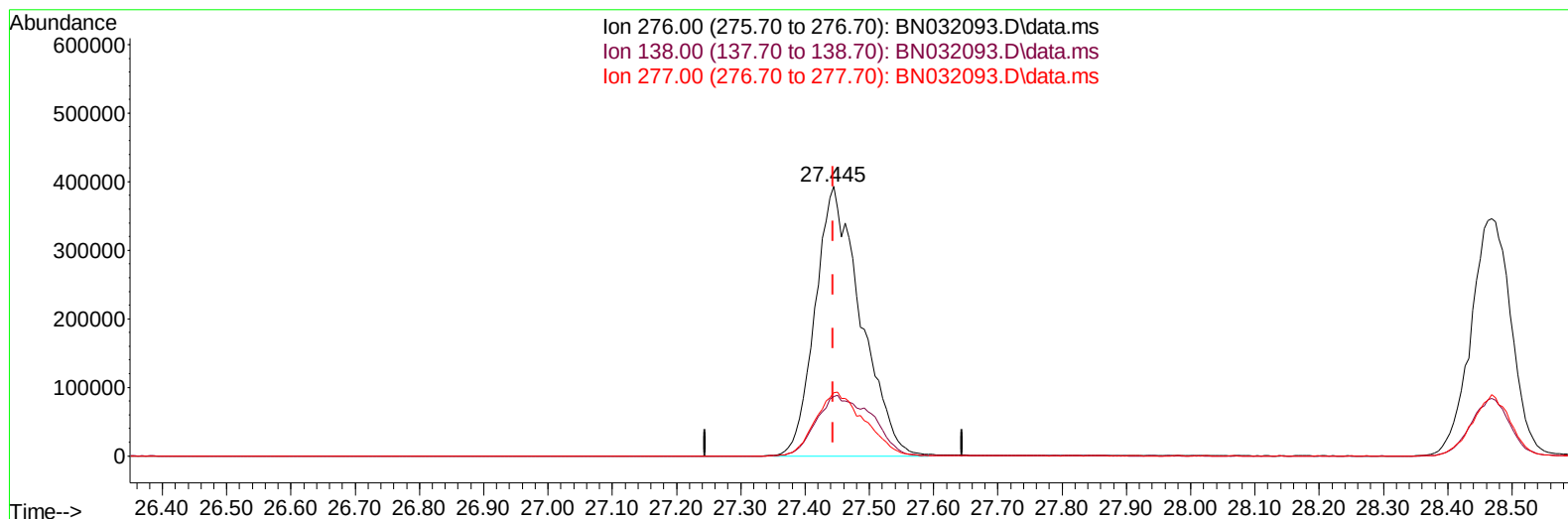
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
Data File : BN032093.D  
Acq On : 20 Jun 2024 09:33  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:48:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BN032093.D\data.ms

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

27.445min ( 0.000) 18.48 ng/ul m

response 1931891

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.60  | 22.18  |
| 277.00 | 22.70  | 23.58  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
 Data File : BN032093.D  
 Acq On : 20 Jun 2024 09:33  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:50:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.634  | 152  | 276584   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 1307320  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164  | 912701   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.033 | 188  | 1936056  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.268 | 240  | 1656706  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.180 | 264  | 1620268  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.163  | 96   | 45242    | 6.767  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.569  | 84   | 330977   | 17.587 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.816  | 99   | 446062   | 18.812 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 252742   | 18.223 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 370372   | 20.472 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.346  | 113  | 381925   | 19.760 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 191947   | 19.203 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 202333   | 19.595 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.045 | 165  | 396485   | 20.568 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 566160   | 19.781 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 1247854  | 19.625 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 1416676  | 19.377 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 227484   | 17.869 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.280 | 176  | 1081820  | 20.108 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 181503   | 18.651 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.127 | 188  | 1670836  | 20.158 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 1891070  | 21.331 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 1549374  | 20.026 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 47922    | 6.699  | ng/uL  | 98       |
| 5) Pyridine                   | 3.587  | 79   | 327127   | 17.384 | ng/ul  | 99       |
| 6) Benzaldehyde               | 6.793  | 77   | 232756   | 20.929 | ng/ul  | 98       |
| 8) Phenol                     | 6.840  | 94   | 457896   | 18.975 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.075  | 93   | 379231   | 19.006 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.204  | 128  | 384594   | 20.314 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.081  | 108  | 367732   | 19.731 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.163  | 45   | 423785   | 18.450 | ng/ul  | 99       |
| 16) Acetophenone              | 8.463  | 105  | 601575   | 20.537 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.446  | 70   | 281214   | 18.527 | ng/ul# | 96       |
| 18) 4-Methylphenol            | 8.410  | 108  | 403369   | 19.965 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.698  | 117  | 157349   | 19.626 | ng/ul  | 93       |
| 22) Nitrobenzene              | 8.840  | 77   | 433473   | 18.202 | ng/ul  | 95       |
| 23) Isophorone                | 9.357  | 82   | 835399   | 17.100 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 226857   | 20.110 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.604  | 107  | 416763   | 18.991 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 549156   | 18.036 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 395285   | 20.768 | ng/ul  | 98       |
| 30) Naphthalene               | 10.469 | 128  | 1345437  | 19.886 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.587 | 127  | 547320   | 19.697 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.740 | 225  | 241737   | 21.147 | ng/ul  | 94       |
| 34) Caprolactam               | 11.375 | 113  | 127901m  | 17.216 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.716 | 107  | 442346   | 19.883 | ng/ul  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
 Data File : BN032093.D  
 Acq On : 20 Jun 2024 09:33  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 20 10:50:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 951806   | 20.581 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.304 | 142  | 950513   | 20.484 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 492216   | 20.392 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 235972   | 16.962 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 330812   | 20.192 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 356341   | 20.015 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 1268052  | 19.752 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 994791   | 19.784 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.369 | 65   | 251636   | 17.264 | ng/ul# | 85       |
| 47) Dimethylphthalate         | 13.745 | 163  | 1279046  | 19.669 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.875 | 165  | 260980   | 20.191 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.004 | 152  | 1622772  | 19.640 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.204 | 138  | 277010   | 20.044 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.345 | 153  | 1079560  | 19.746 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.416 | 184  | 108246   | 16.588 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.522 | 109  | 177048   | 18.747 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.681 | 168  | 1474748  | 19.854 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.663 | 165  | 375316   | 19.789 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 307845   | 20.672 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.116 | 149  | 1298728  | 19.355 | ng/ul  | 98       |
| 61) Fluorene                  | 15.333 | 166  | 1209827  | 20.226 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.333 | 204  | 600977   | 20.744 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.369 | 138  | 266262   | 20.238 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.428 | 198  | 193172   | 18.673 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 1042873  | 19.542 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.227 | 248  | 396600   | 21.142 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.333 | 284  | 455191   | 21.410 | ng/ul  | 93       |
| 70) Atrazine                  | 16.504 | 200  | 302319   | 17.942 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.686 | 266  | 262408   | 19.291 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.074 | 178  | 1957958  | 19.853 | ng/ul  | 99       |
| 74) Anthracene                | 17.163 | 178  | 2016065  | 20.174 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.069 | 216  | 503585   | 20.208 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 520498   | 21.444 | ng/uL  | 98       |
| 77) Carbazole                 | 17.439 | 167  | 1809802  | 21.239 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 2327152  | 19.850 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 2355480  | 22.232 | ng/ul  | 95       |
| 82) Pyrene                    | 19.463 | 202  | 2325375  | 21.392 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.368 | 149  | 1030604  | 20.073 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.180 | 252  | 659231   | 20.750 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 2210531  | 19.934 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 1511538  | 20.196 | ng/ul  | 95       |
| 87) Chrysene                  | 21.310 | 228  | 2036888  | 19.665 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 2589951  | 23.876 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.262 | 252  | 1978910  | 20.433 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.321 | 252  | 2041822  | 21.485 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 1782619  | 19.653 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.445 | 276  | 1931891m | 18.483 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.503 | 278  | 1662101  | 19.477 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 28.468 | 276  | 1526319  | 18.370 | ng/ul  | 95       |

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



**Instrument :**  
BNA\_N  
**LabSampleId :**  
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024  
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