

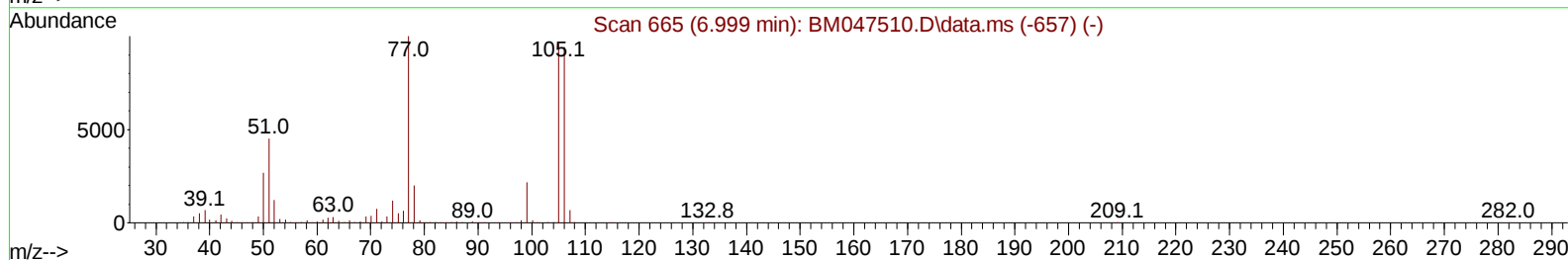
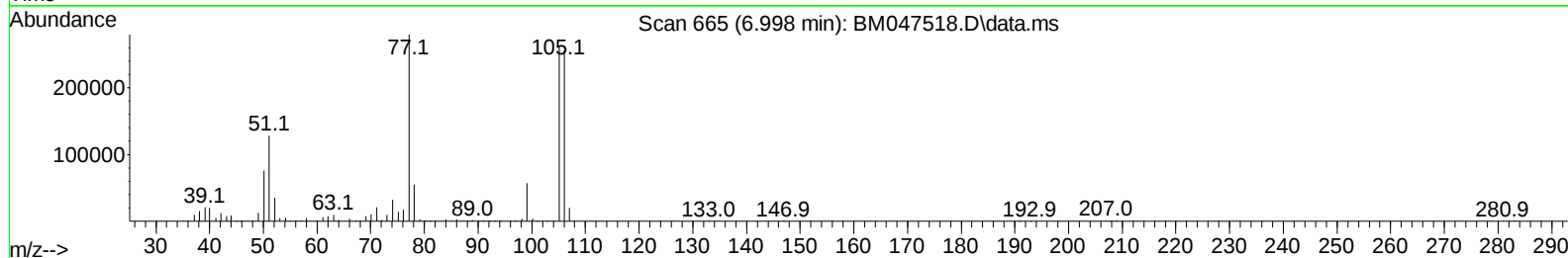
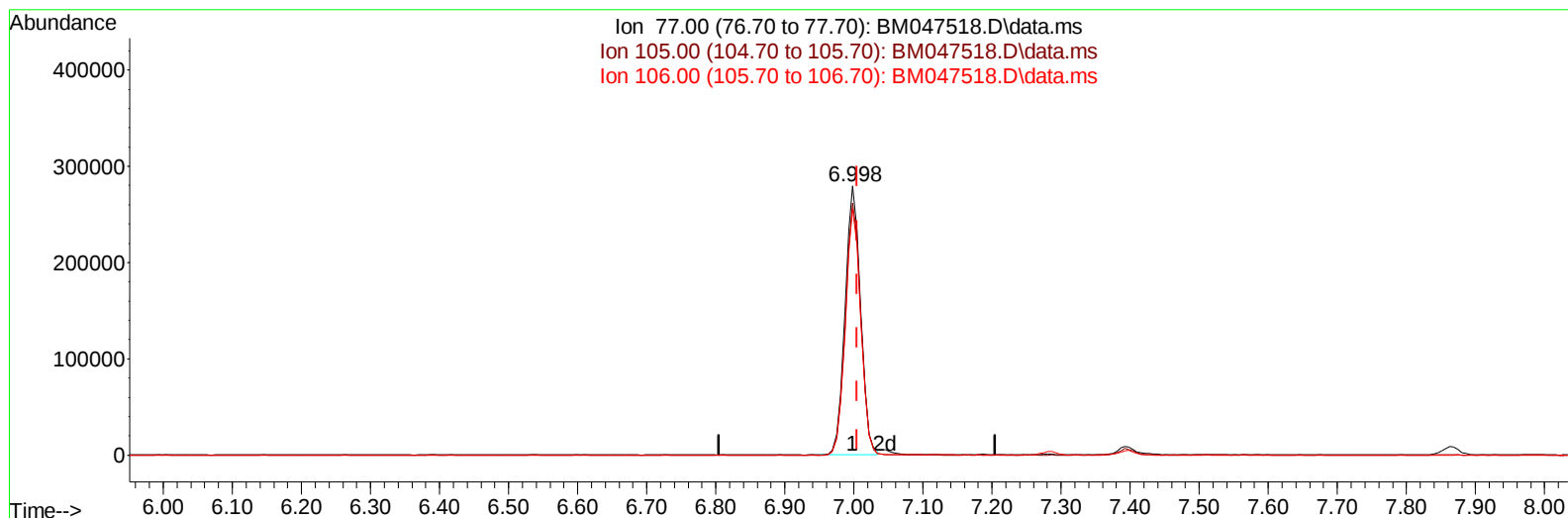
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091324\  
Data File : BM047518.D  
Acq On : 13 Sep 2024 14:11  
Operator : RC/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 13 15:47:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 11 00:35:12 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/16/2024



TIC: BM047518.D\data.ms

(6) Benzaldehyde

6.998min (-0.006) 24.92 ng/u1

response 435650

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 94.50  | 93.82  |
| 106.00 | 90.10  | 91.50  |
| 0.00   | 0.00   | 0.00   |

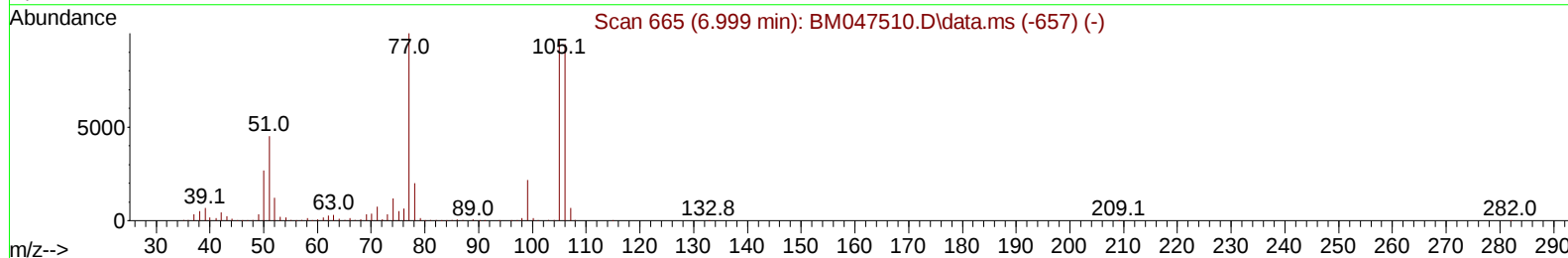
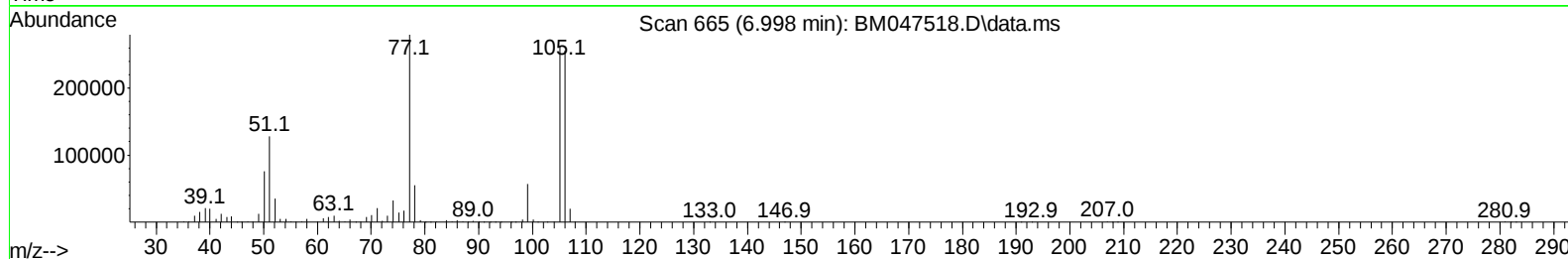
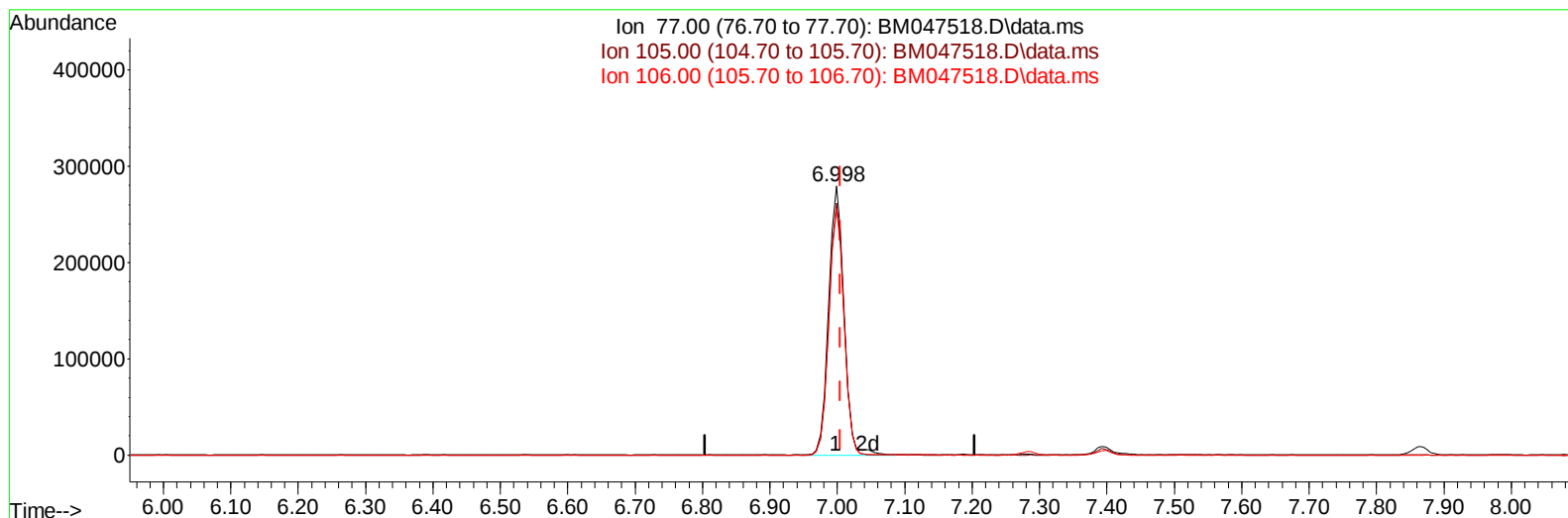
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091324\  
Data File : BM047518.D  
Acq On : 13 Sep 2024 14:11  
Operator : RC/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 13 15:47:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 11 00:35:12 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/16/2024



TIC: BM047518.D\data.ms

(6) Benzaldehyde

6.998min (-0.006) 25.41 ng/u1 m

response 444163

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 94.50  | 93.82  |
| 106.00 | 90.10  | 91.50  |
| 0.00   | 0.00   | 0.00   |

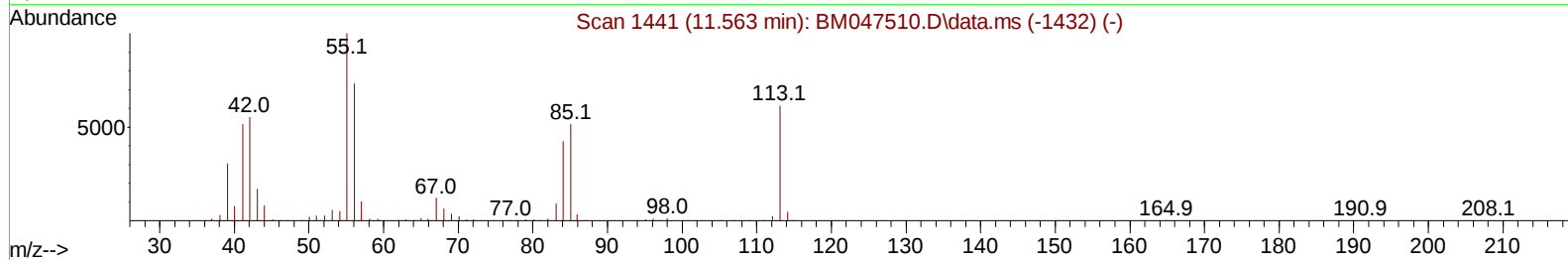
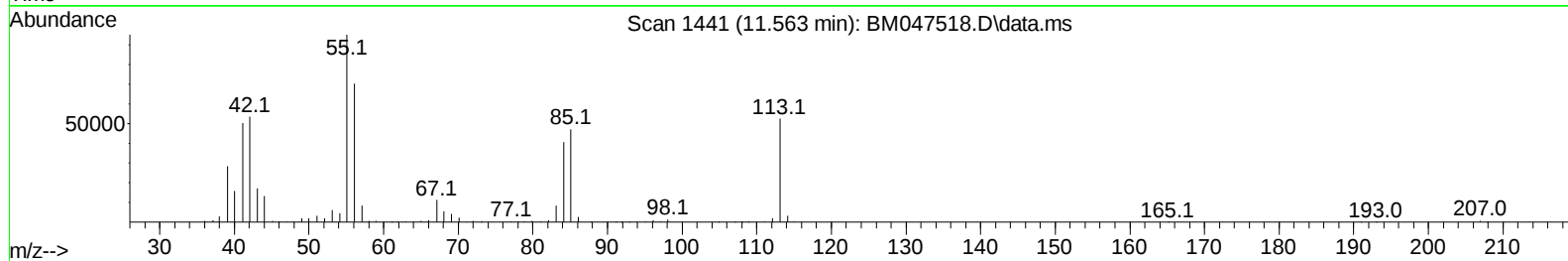
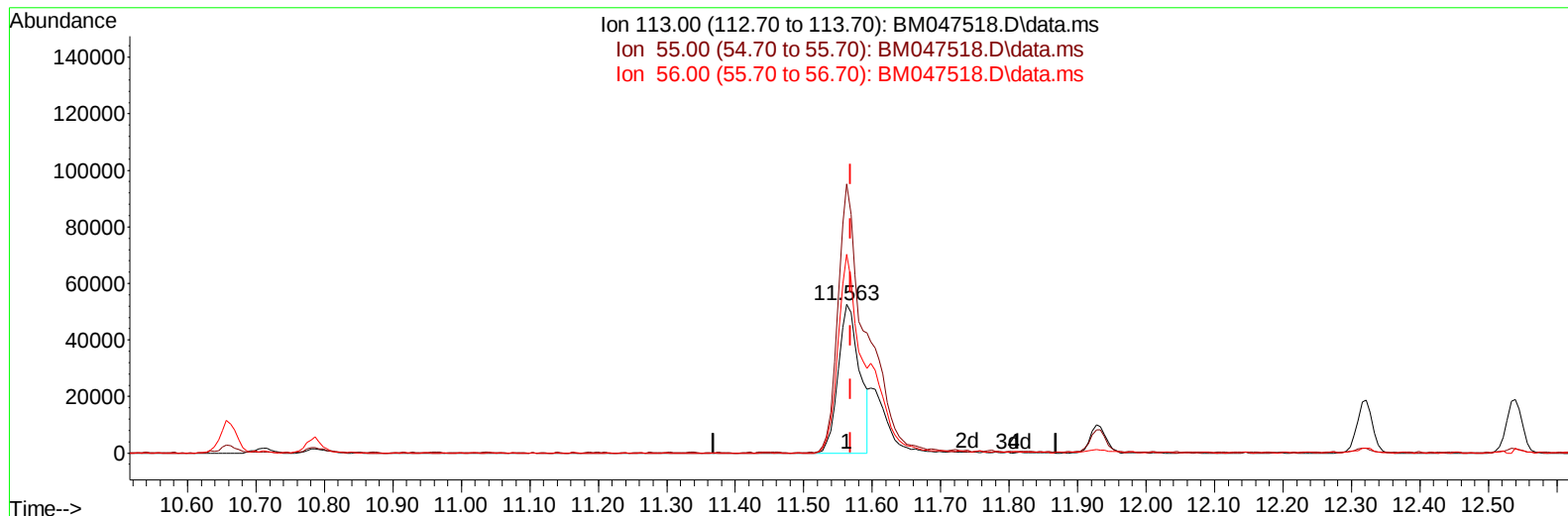
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091324\  
 Data File : BM047518.D  
 Acq On : 13 Sep 2024 14:11  
 Operator : RC/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 13 15:47:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 11 00:35:12 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/16/2024



TIC: BM047518.D\data.ms

**(34) Caprolactam**

**11.563min (-0.006) 12.22 ng/ul**

**response 113579**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 172.50 | 181.15 |
| 56.00  | 129.20 | 133.78 |
| 0.00   | 0.00   | 0.00   |

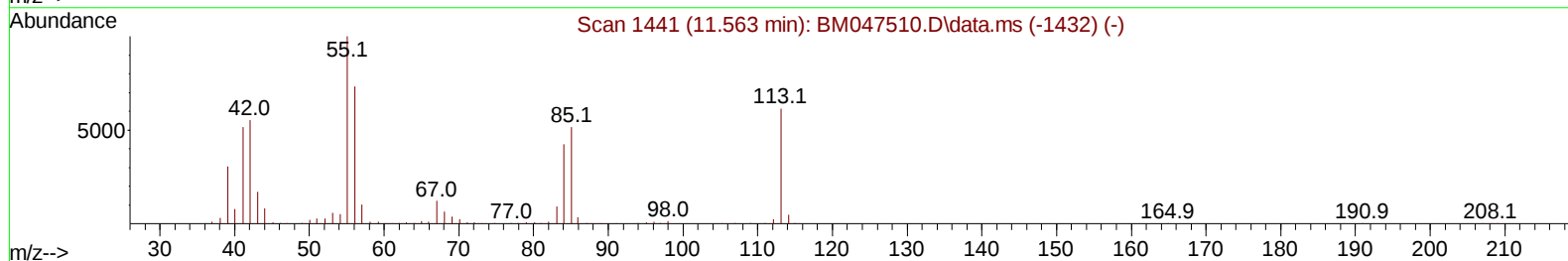
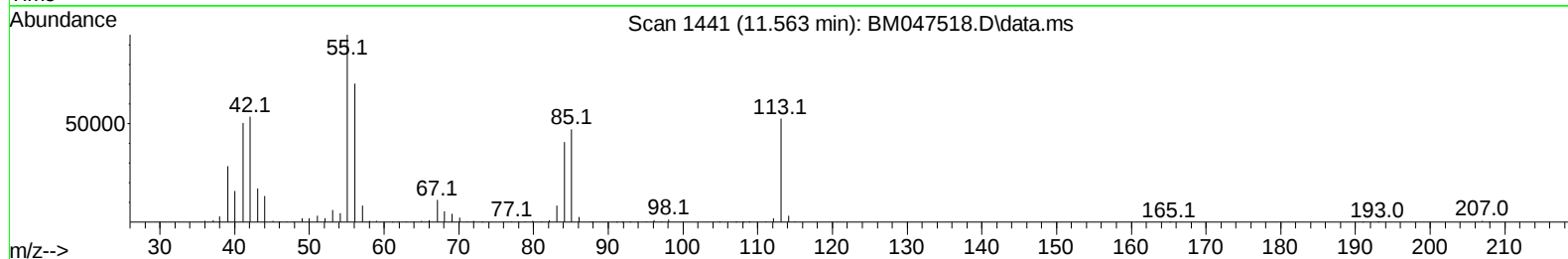
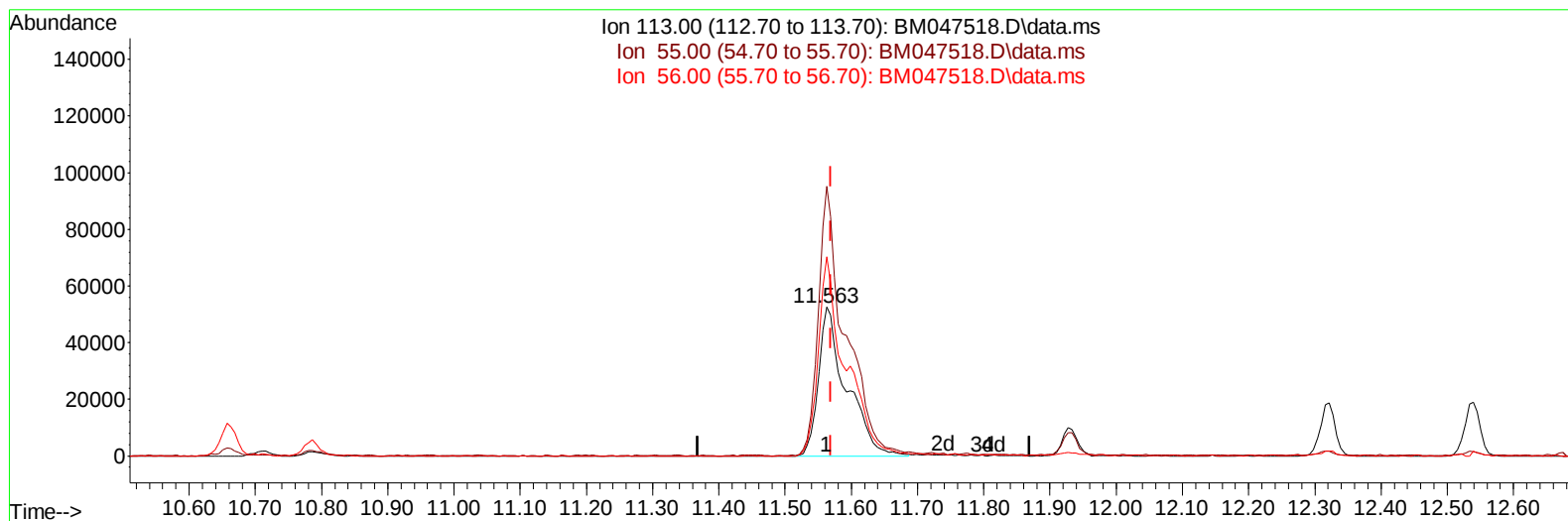
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091324\  
Data File : BM047518.D  
Acq On : 13 Sep 2024 14:11  
Operator : RC/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 13 15:47:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 11 00:35:12 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/16/2024



TIC: BM047518.D\data.ms

(34) Caprolactam

11.563min (-0.006) 16.69 ng/ul m

response 155119

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 172.50 | 181.15 |
| 56.00  | 129.20 | 133.78 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091324\  
 Data File : BM047518.D  
 Acq On : 13 Sep 2024 14:11  
 Operator : RC/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 14 05:30:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 11 00:35:12 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/16/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.863  | 152  | 352292   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.663 | 136  | 1604421  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.492 | 164  | 986407   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.227 | 188  | 1941706  | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.450 | 240  | 1733551  | 20.000 | ng/ul  | -0.02    |
| 88) Perylene-d12              | 24.491 | 264  | 1589563  | 20.000 | ng/ul  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 74518    | 8.531  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.710  | 84   | 571755   | 20.487 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 622378   | 18.847 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.192  | 67   | 422478   | 20.553 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.392  | 132  | 498063   | 19.803 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.563  | 113  | 498678   | 19.212 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.016  | 128  | 247646   | 19.987 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.739  | 143  | 225677   | 19.280 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.275 | 165  | 464692   | 19.524 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.786 | 131  | 715577   | 18.370 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.898 | 166  | 1341900  | 18.508 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.186 | 160  | 1685021  | 19.260 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.668 | 143  | 256050   | 17.824 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.480 | 176  | 1177645  | 18.797 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 200  | 159198   | 15.509 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.327 | 188  | 1827633  | 19.547 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.609 | 212  | 1930760  | 19.110 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.285 | 264  | 1569244  | 18.578 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.334  | 88   | 80161    | 8.503  | ng/uL  | 99       |
| 5) Pyridine                   | 3.728  | 79   | 585606   | 20.323 | ng/ul  | 96       |
| 6) Benzaldehyde               | 6.998  | 77   | 444163m  | 25.412 | ng/ul  |          |
| 8) Phenol                     | 7.045  | 94   | 659048   | 19.386 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.281  | 93   | 532137   | 19.795 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.428  | 128  | 522020   | 20.040 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.298  | 108  | 473967   | 18.522 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 789194   | 20.032 | ng/ul  | 99       |
| 16) Acetophenone              | 8.681  | 105  | 853667   | 20.437 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.669  | 70   | 443217   | 19.993 | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.628  | 108  | 539389   | 19.305 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.951  | 117  | 229085   | 20.468 | ng/ul  | 94       |
| 22) Nitrobenzene              | 9.057  | 77   | 639340   | 20.649 | ng/ul  | 100      |
| 23) Isophorone                | 9.586  | 82   | 1182224  | 19.147 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.769  | 139  | 266947   | 19.726 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.828  | 107  | 561809   | 19.300 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.069 | 93   | 718783   | 19.238 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 473322   | 19.615 | ng/ul  | 99       |
| 30) Naphthalene               | 10.710 | 128  | 1740422  | 19.689 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.810 | 127  | 718849   | 18.758 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.004 | 225  | 278391   | 19.343 | ng/ul  | 98       |
| 34) Caprolactam               | 11.563 | 113  | 155119m  | 16.690 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.927 | 107  | 517453   | 19.043 | ng/ul  | 98       |

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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Sep 14 05:30:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 11 00:35:12 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/16/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.322 | 142  | 1159997  | 19.091 | ng/ul | 99       |
| 37) 1-Methylnaphthalene       | 12.539 | 142  | 1174406  | 19.130 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.686 | 216  | 549589   | 18.767 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.674 | 237  | 352844   | 17.526 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.922 | 196  | 343373   | 19.109 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.992 | 196  | 374127   | 19.156 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.327 | 154  | 1487333  | 19.129 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.369 | 162  | 1159761  | 19.450 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.563 | 65   | 352113   | 20.298 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.945 | 163  | 1377721  | 18.708 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.057 | 165  | 259367   | 19.300 | ng/ul | 95       |
| 50) Acenaphthylene            | 14.216 | 152  | 1873669  | 19.812 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.380 | 138  | 314925   | 20.072 | ng/ul | 99       |
| 52) Acenaphthene              | 14.557 | 153  | 1327566  | 19.759 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.586 | 184  | 130186   | 17.606 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 14.680 | 109  | 226566   | 18.734 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.892 | 168  | 1715123  | 19.640 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.839 | 165  | 386049   | 19.949 | ng/ul | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.110 | 232  | 286600   | 19.070 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.310 | 149  | 1471906  | 18.891 | ng/ul | 99       |
| 61) Fluorene                  | 15.539 | 166  | 1542737  | 20.242 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204  | 700282   | 19.843 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.539 | 138  | 359290   | 23.142 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.604 | 198  | 185419   | 15.981 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 1178852  | 19.530 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.421 | 248  | 361560   | 17.998 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.539 | 284  | 413503   | 18.015 | ng/ul | 98       |
| 70) Atrazine                  | 16.686 | 200  | 373692   | 17.623 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.874 | 266  | 237716   | 16.456 | ng/ul | 98       |
| 72) Phenanthrene              | 17.268 | 178  | 2172068  | 19.609 | ng/ul | 100      |
| 74) Anthracene                | 17.357 | 178  | 2274084  | 20.275 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.292 | 216  | 539993   | 19.124 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 523972   | 18.789 | ng/uL | 99       |
| 77) Carbazole                 | 17.621 | 167  | 1986173  | 19.368 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.198 | 149  | 2544657  | 19.247 | ng/ul | 99       |
| 80) Fluoranthene              | 19.274 | 202  | 2324522  | 19.521 | ng/ul | 99       |
| 82) Pyrene                    | 19.639 | 202  | 2619071  | 20.635 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 1057664  | 18.255 | ng/ul | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.356 | 252  | 555815   | 13.561 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 2383828  | 19.250 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 1681418  | 19.138 | ng/ul | 98       |
| 87) Chrysene                  | 21.497 | 228  | 2237376  | 19.584 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.521 | 149  | 2667530  | 21.007 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.533 | 252  | 1987127  | 19.475 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.597 | 252  | 2034996  | 20.306 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.350 | 252  | 1819003  | 19.405 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.926 | 276  | 1903789  | 16.561 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.991 | 278  | 1542835  | 16.483 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 28.991 | 276  | 1467987  | 16.717 | ng/ul | 98       |

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

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/16/2024

