

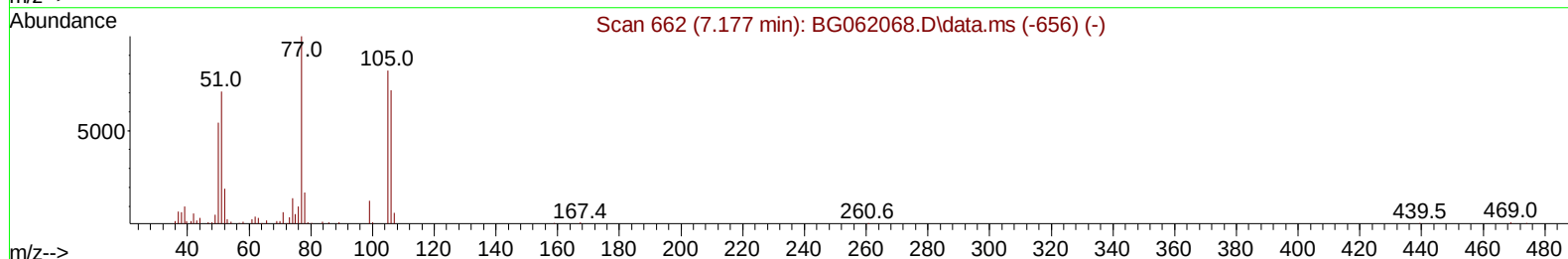
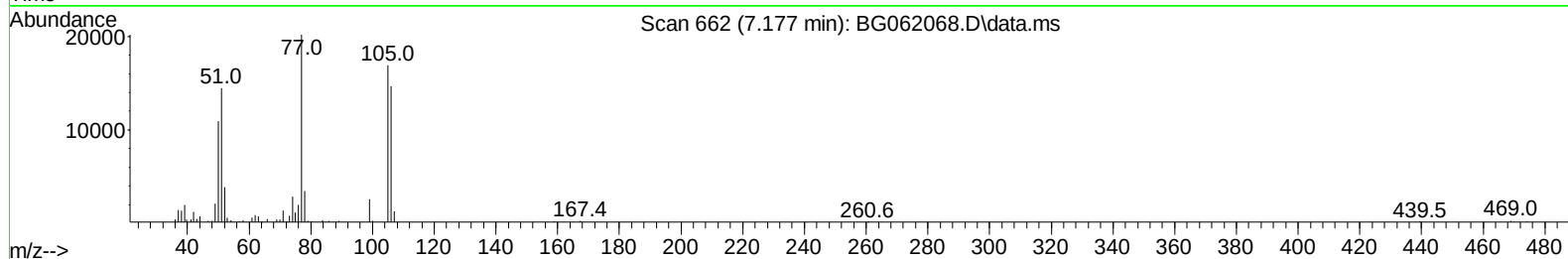
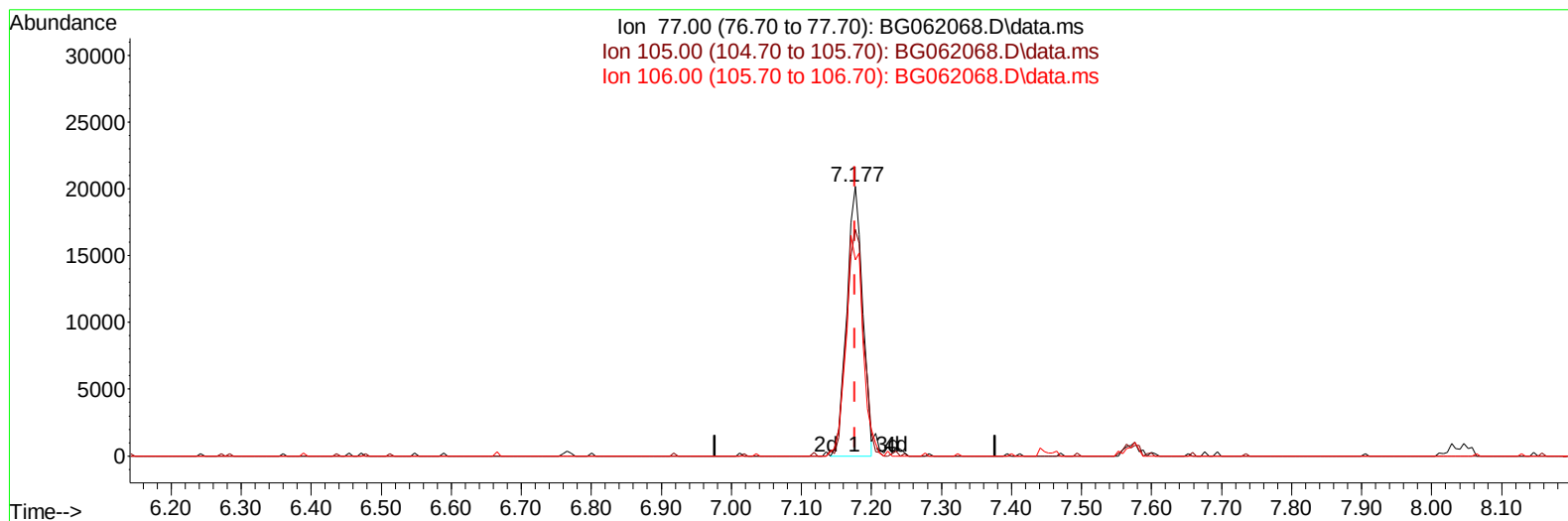
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071524\  
 Data File : BG062068.D  
 Acq On : 15 Jul 2024 14:33  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 15 16:45:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 11 12:11:32 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062068.D\data.ms

#### (6) Benzaldehyde

7.177min (-0.000) 18.27 ng/u1

response 32173

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 99.50  | 84.02  |
| 106.00 | 78.20  | 72.82  |
| 0.00   | 0.00   | 0.00   |

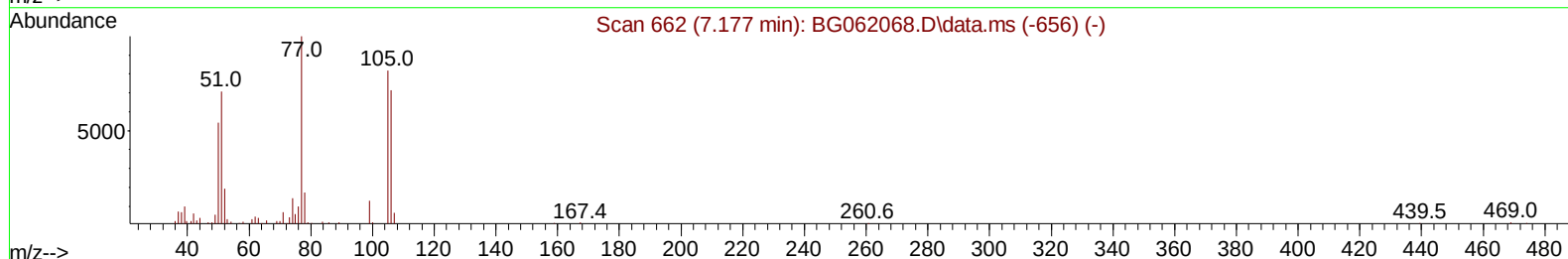
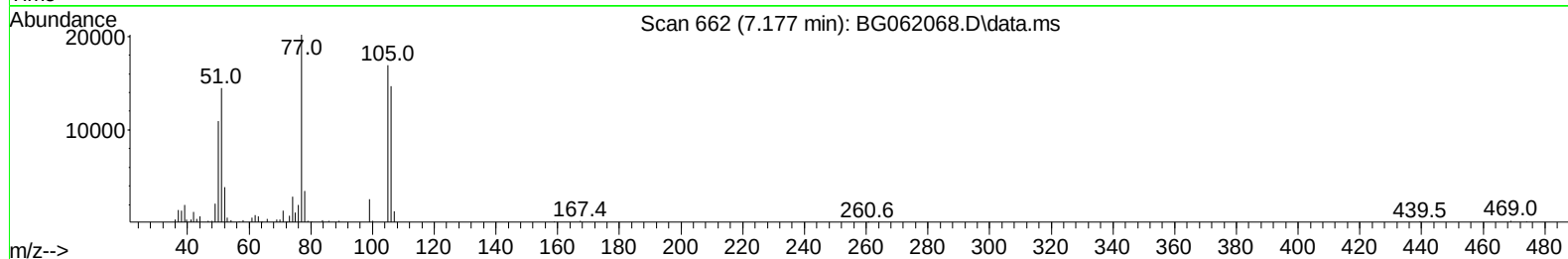
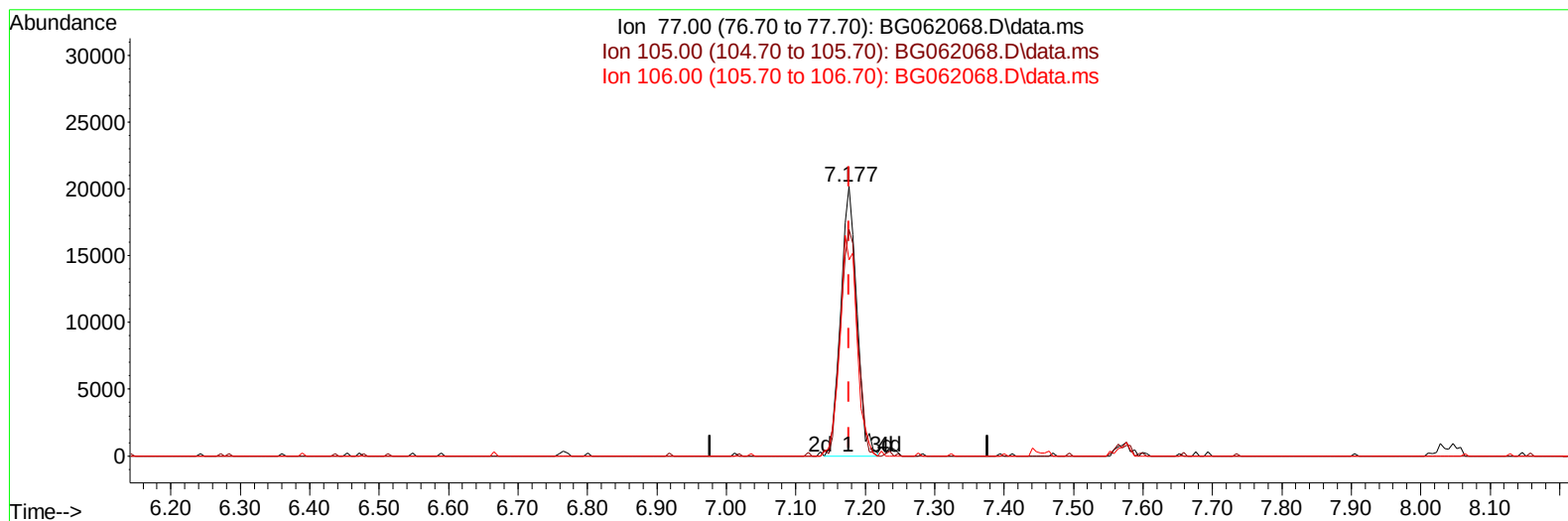
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LabSampleId :  
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TIC: BG062068.D\data.ms

(6) Benzaldehyde

7.177min (-0.000) 18.75 ng/ul m

response 33027

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 99.50  | 84.02  |
| 106.00 | 78.20  | 72.82  |
| 0.00   | 0.00   | 0.00   |

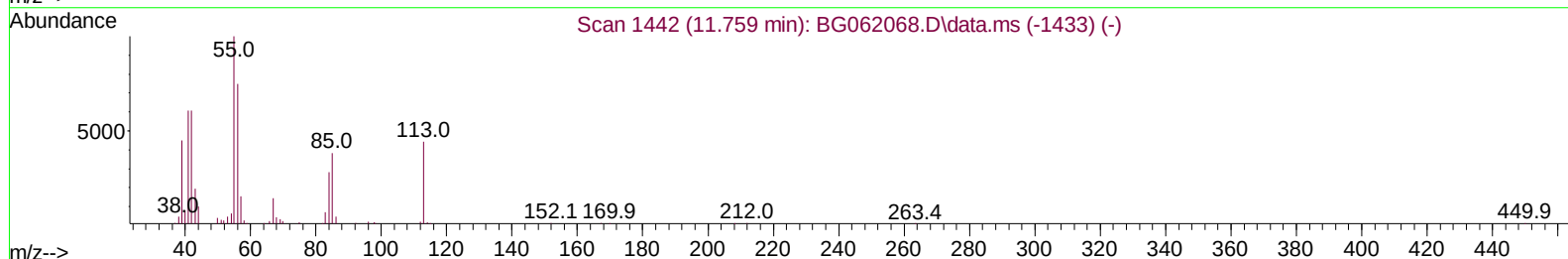
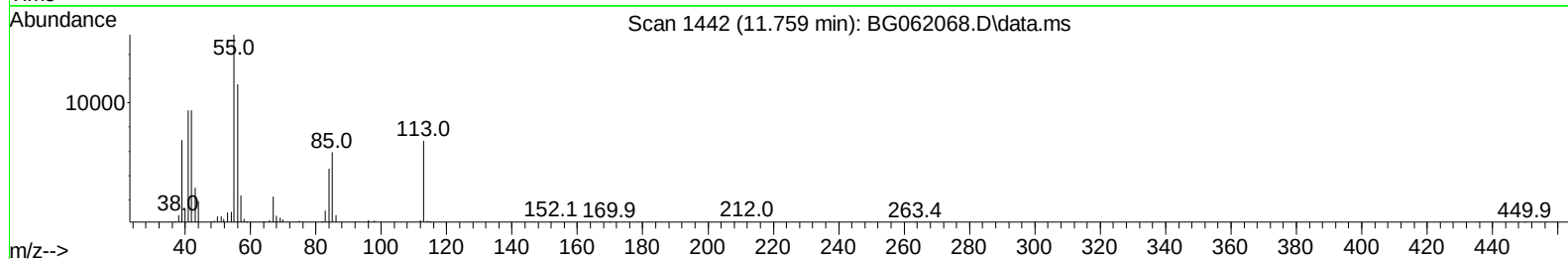
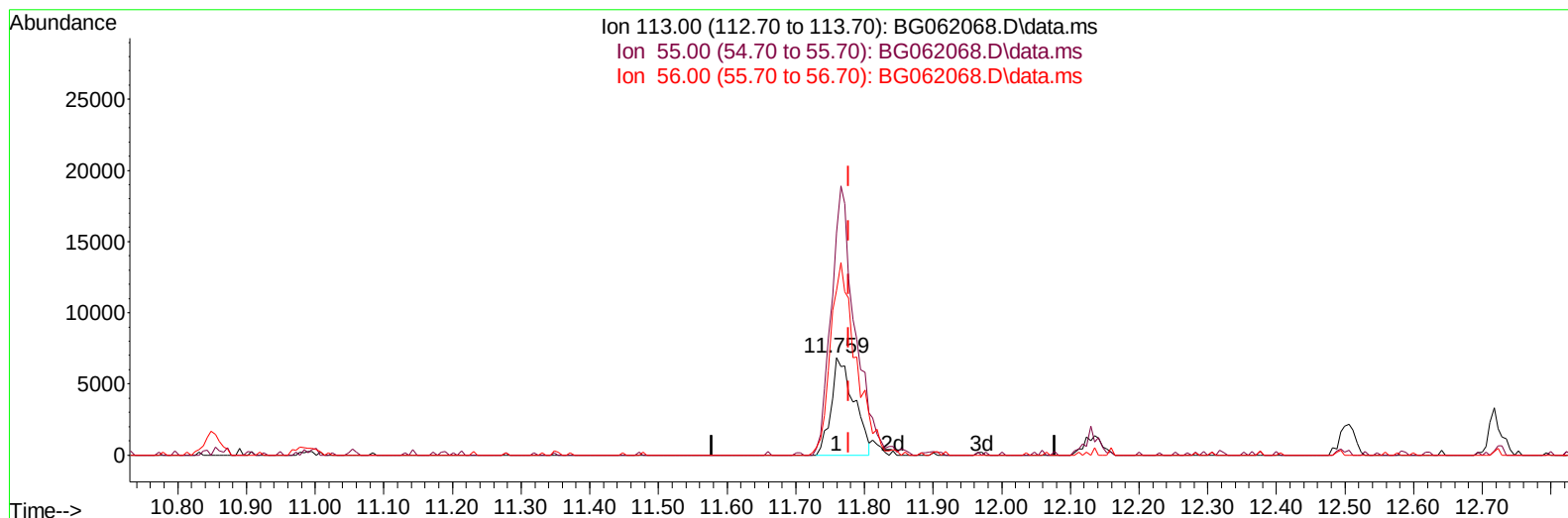
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LabSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BG062068.D\data.ms

(34) Caprolactam

11.759min (-0.018) 16.49 ng/ul

response 15751

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.70 | 228.17 |
| 56.00  | 168.80 | 168.60 |
| 0.00   | 0.00   | 0.00   |



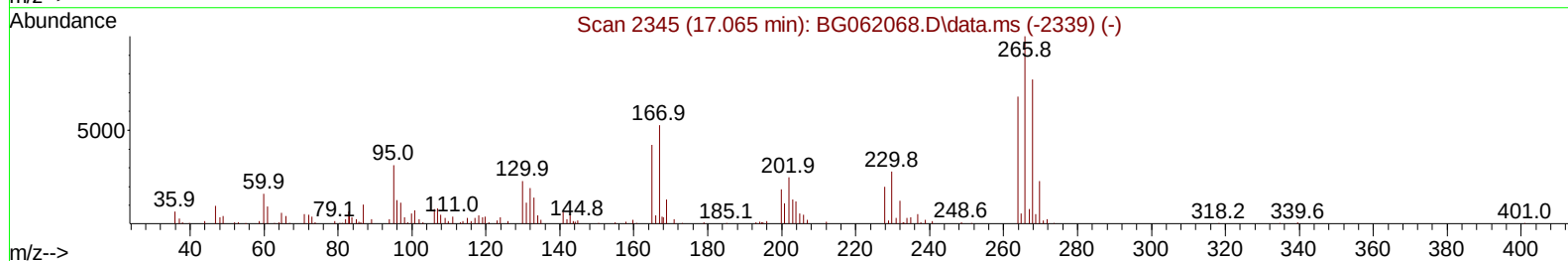
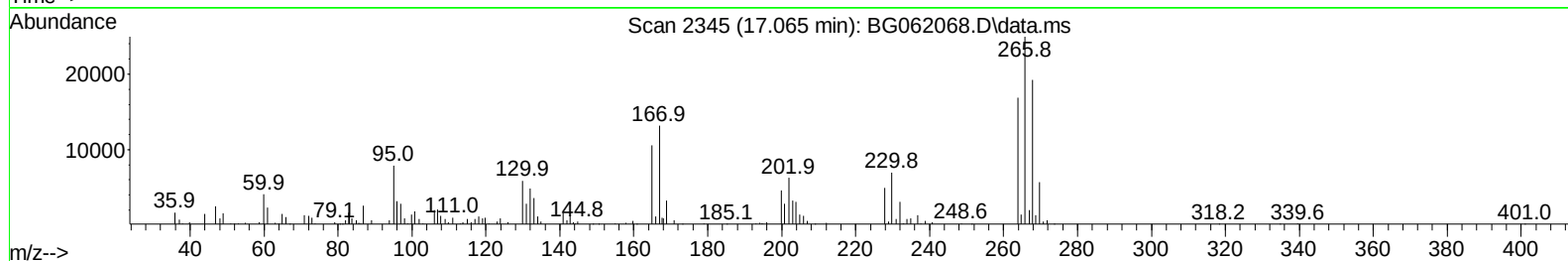
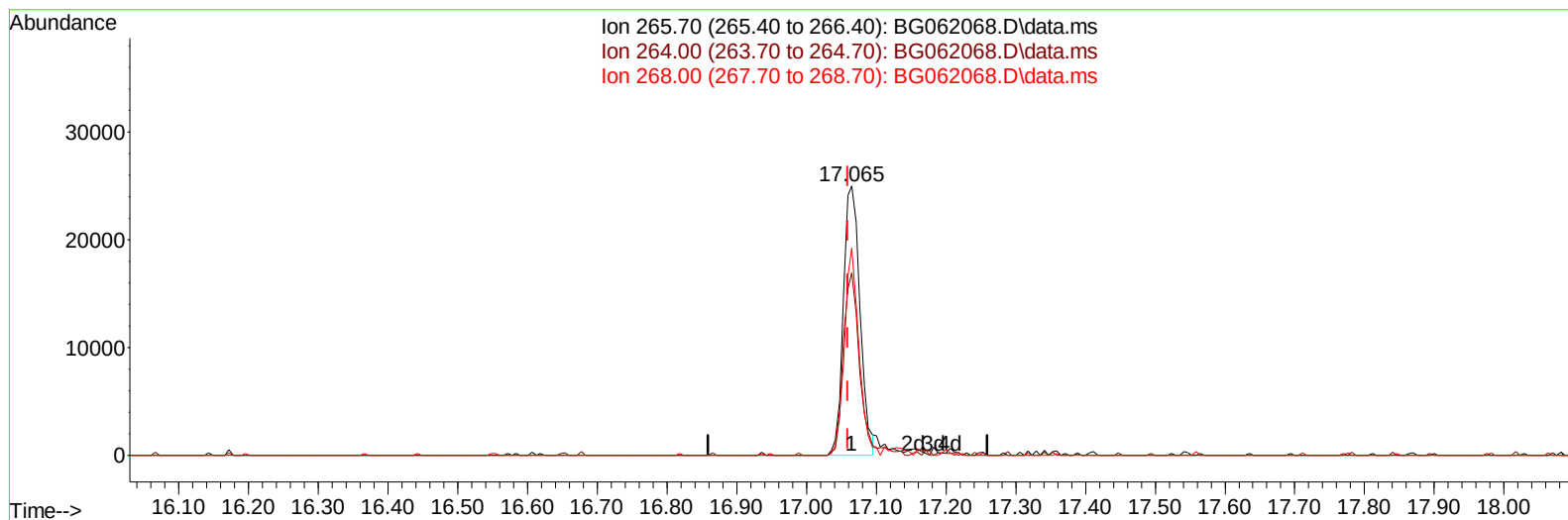
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TIC: BG062068.D\data.ms

(71) Pentachlorophenol (C)

17.065min (+ 0.006) 18.37 ng/ul

response 41107

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 56.30  | 67.76# |
| 268.00 | 63.10  | 82.36# |
| 0.00   | 0.00   | 0.00   |

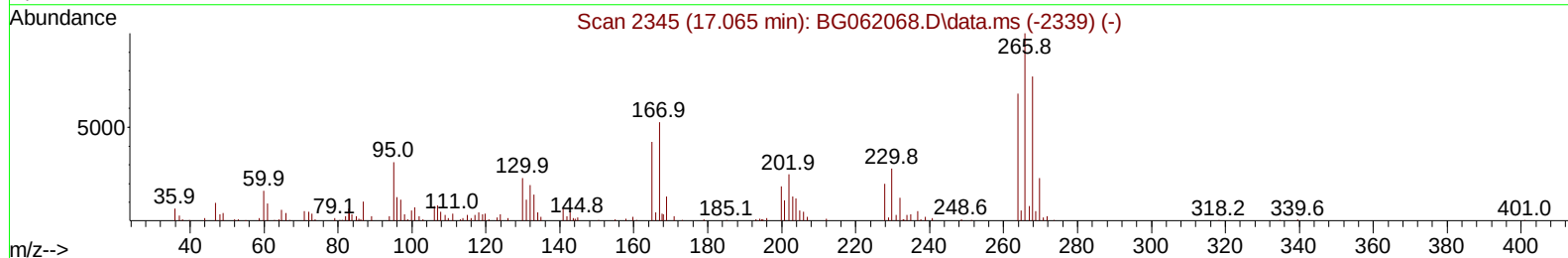
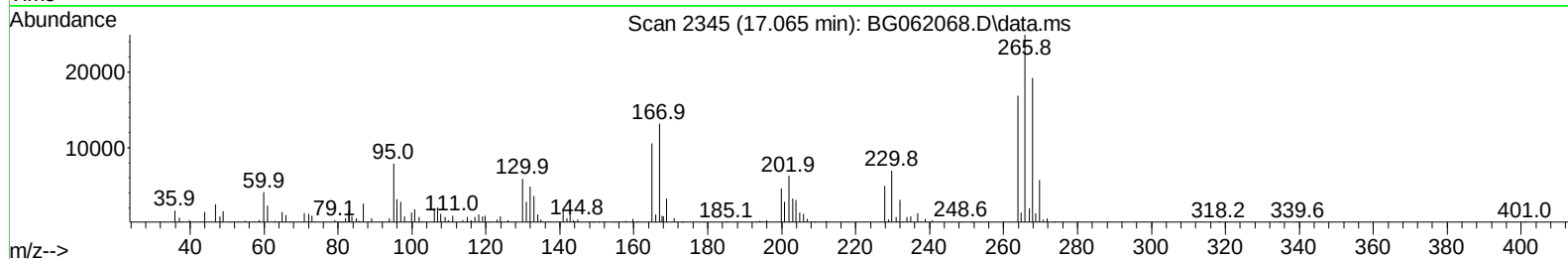
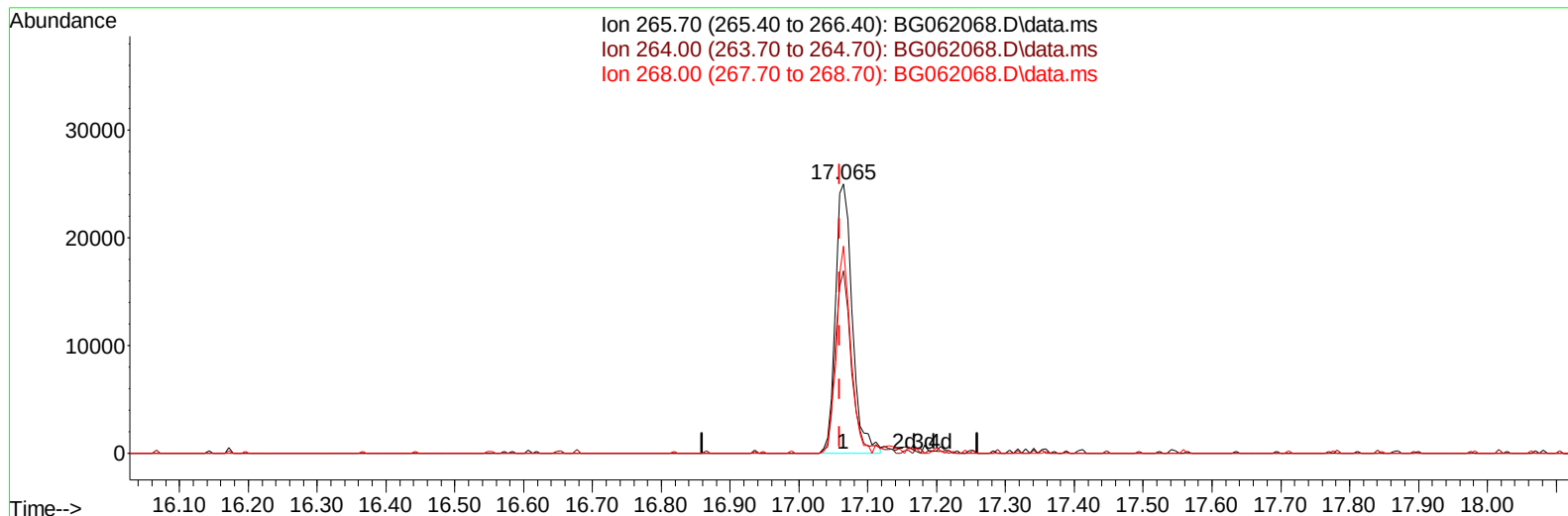
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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062068.D\data.ms

(71) Pentachlorophenol (C)

17.065min (+ 0.006) 19.03 ng/ul m

response 42571

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 56.30  | 67.76# |
| 268.00 | 63.10  | 77.02# |
| 0.00   | 0.00   | 0.00   |

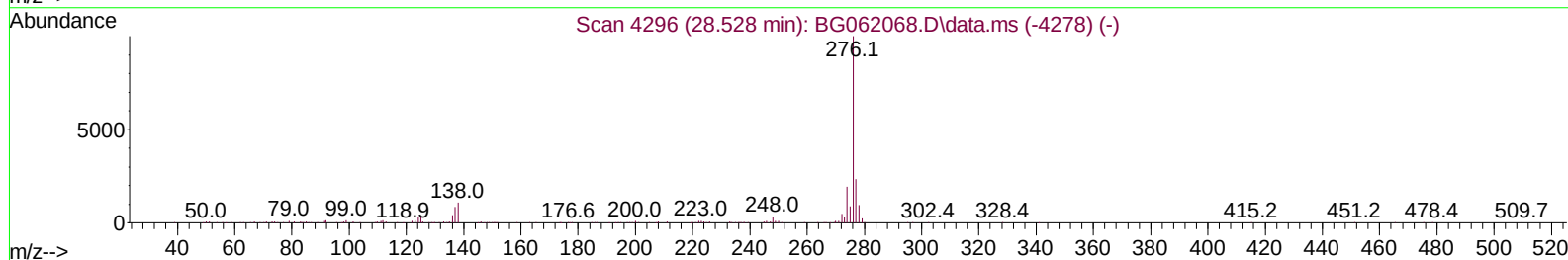
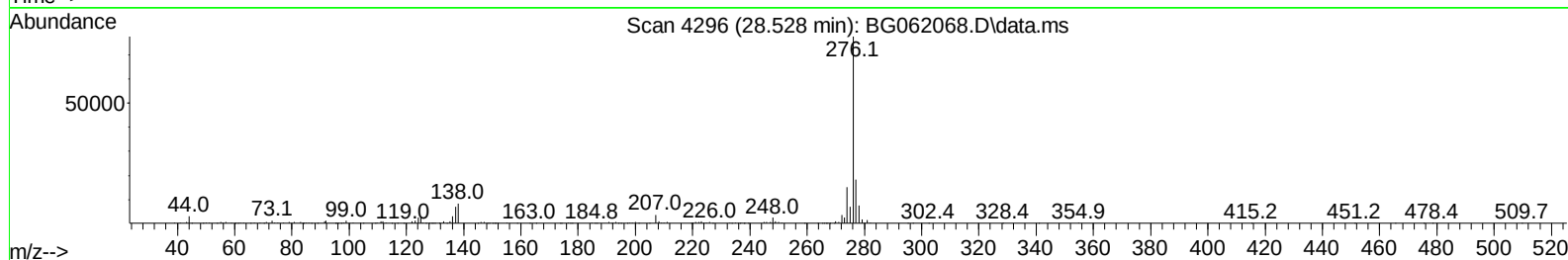
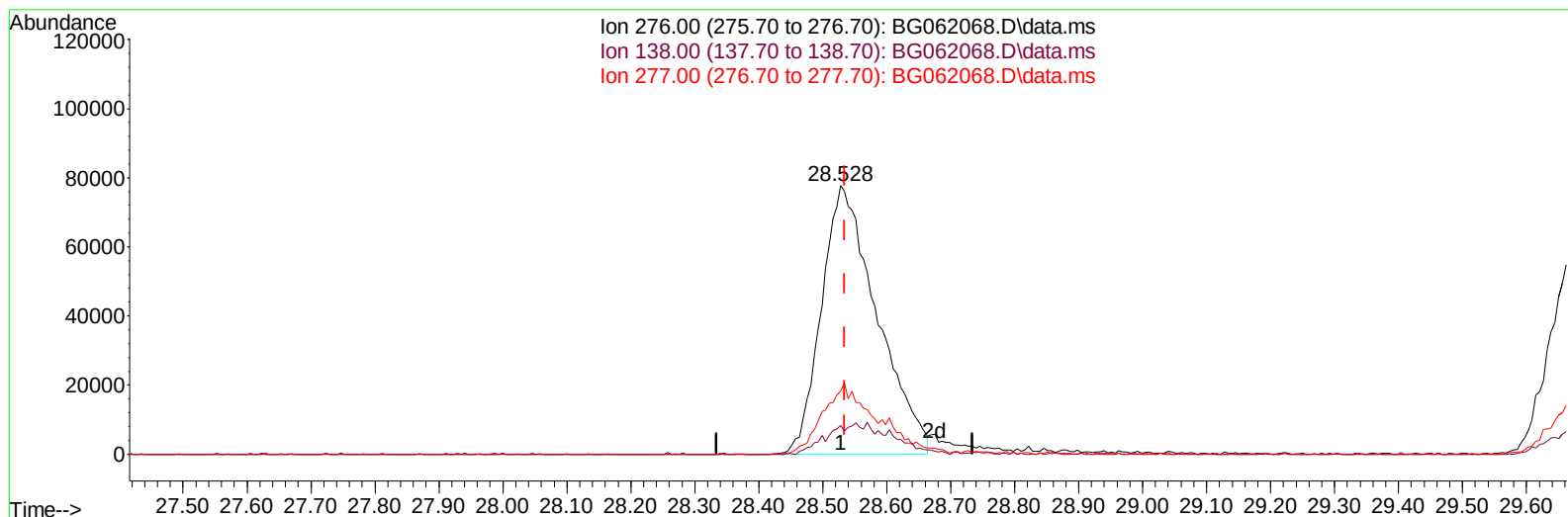
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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

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TIC: BG062068.D\data.ms

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

28.528min (-0.006) 17.76 ng/u1

response 466838

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 10.85# |
| 277.00 | 24.10  | 23.45  |
| 0.00   | 0.00   | 0.00   |

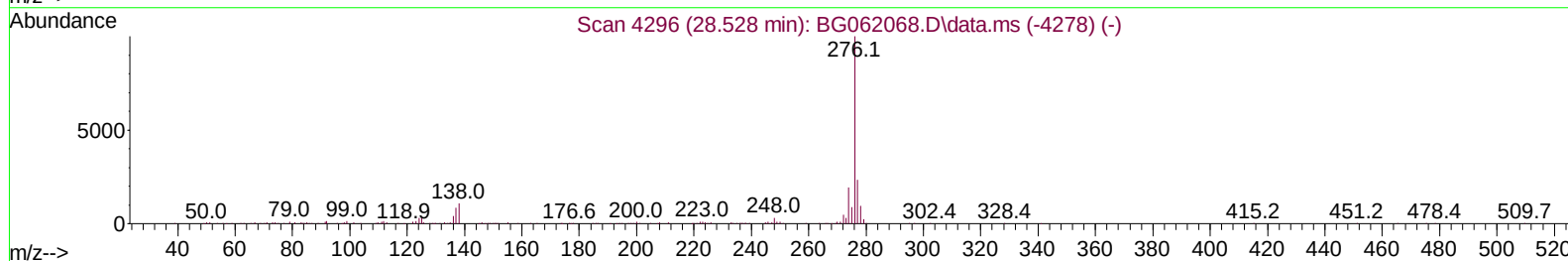
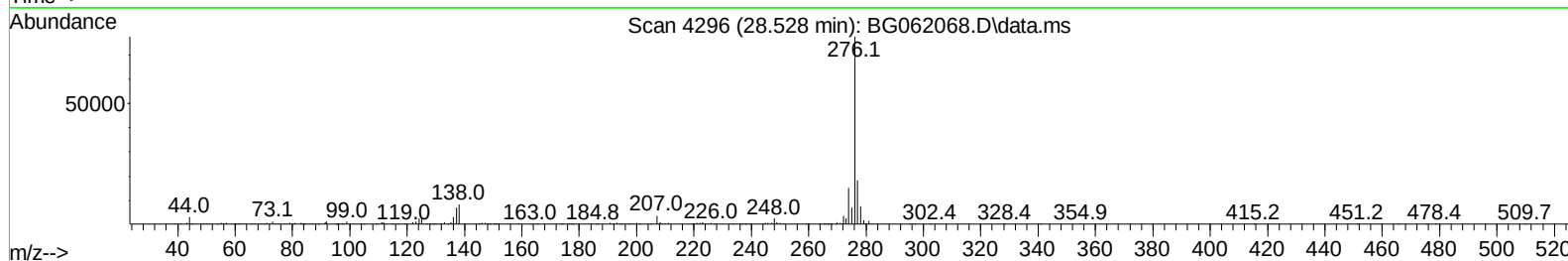
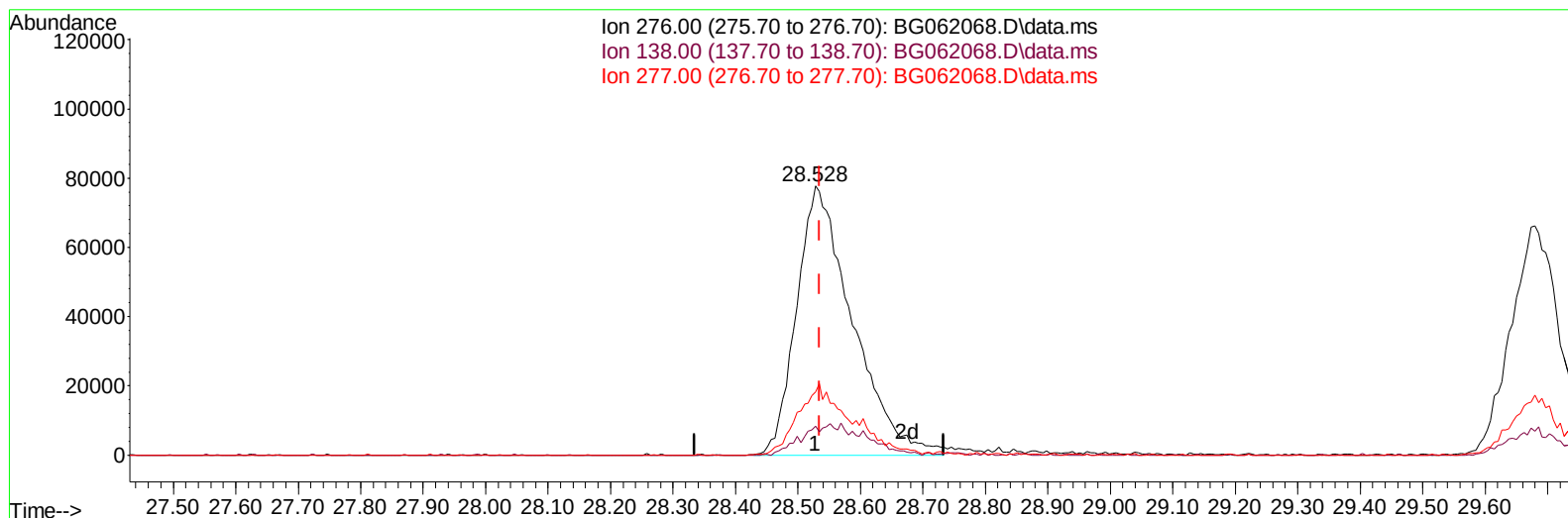
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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062068.D\data.ms

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

**28.528min (-0.006) 18.30 ng/ul m**

**response 481090**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 10.85# |
| 277.00 | 24.10  | 23.45  |
| 0.00   | 0.00   | 0.00   |



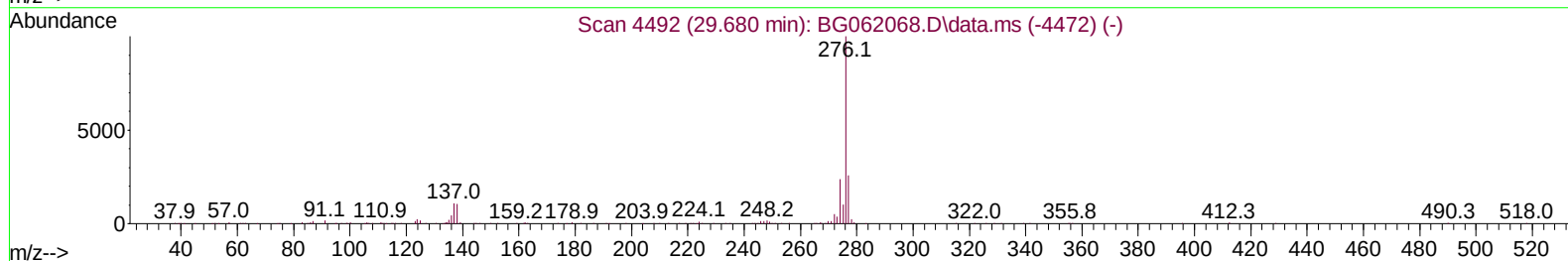
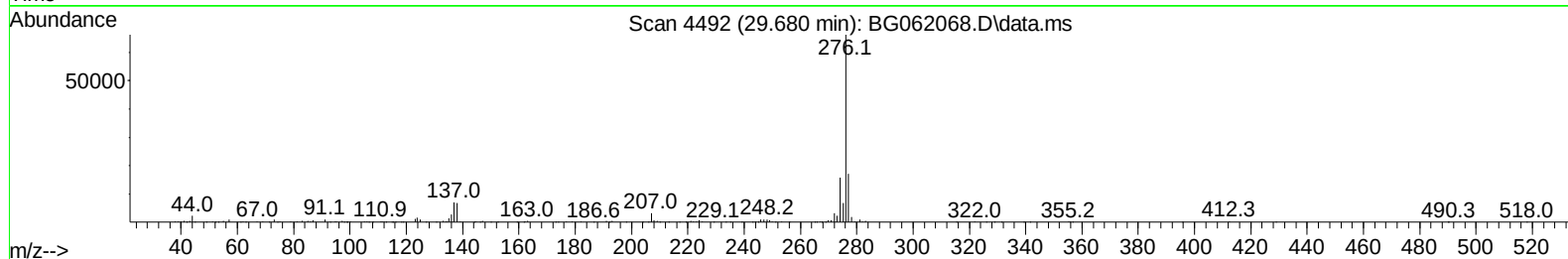
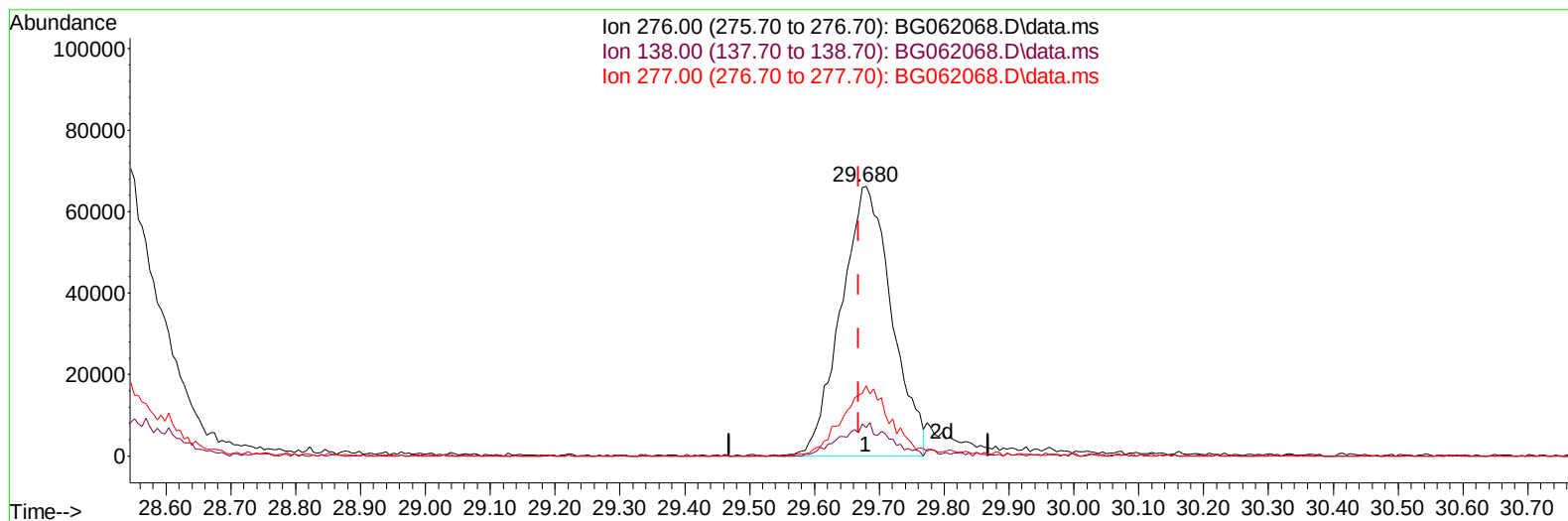
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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062068.D\data.ms

(96) Benzo(g,h,i)perylene

29.680min (+ 0.011) 17.14 ng/u1

response 358458

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 10.44# |
| 277.00 | 23.50  | 26.05  |
| 0.00   | 0.00   | 0.00   |

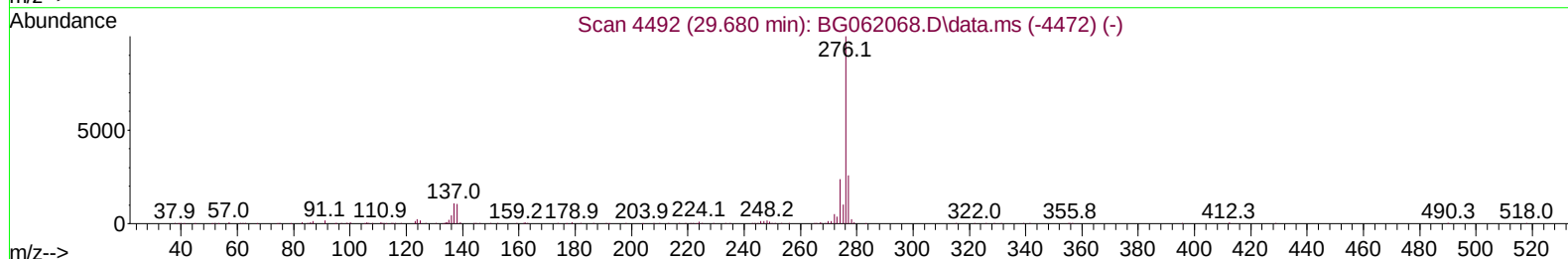
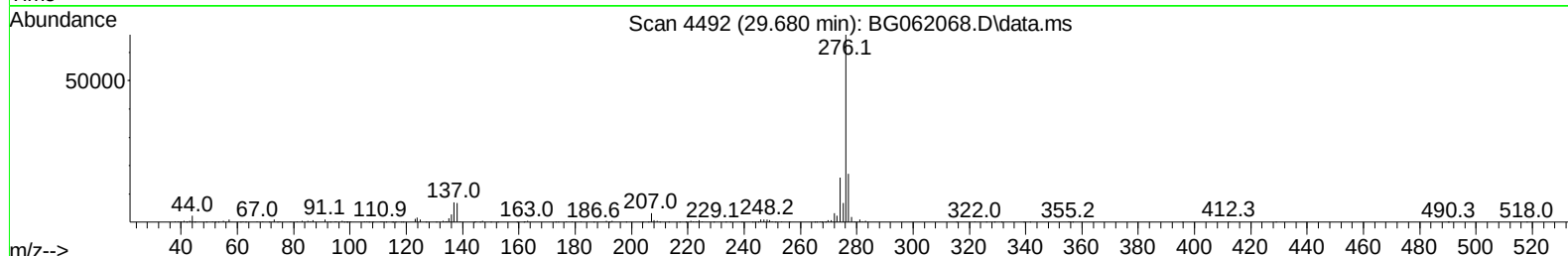
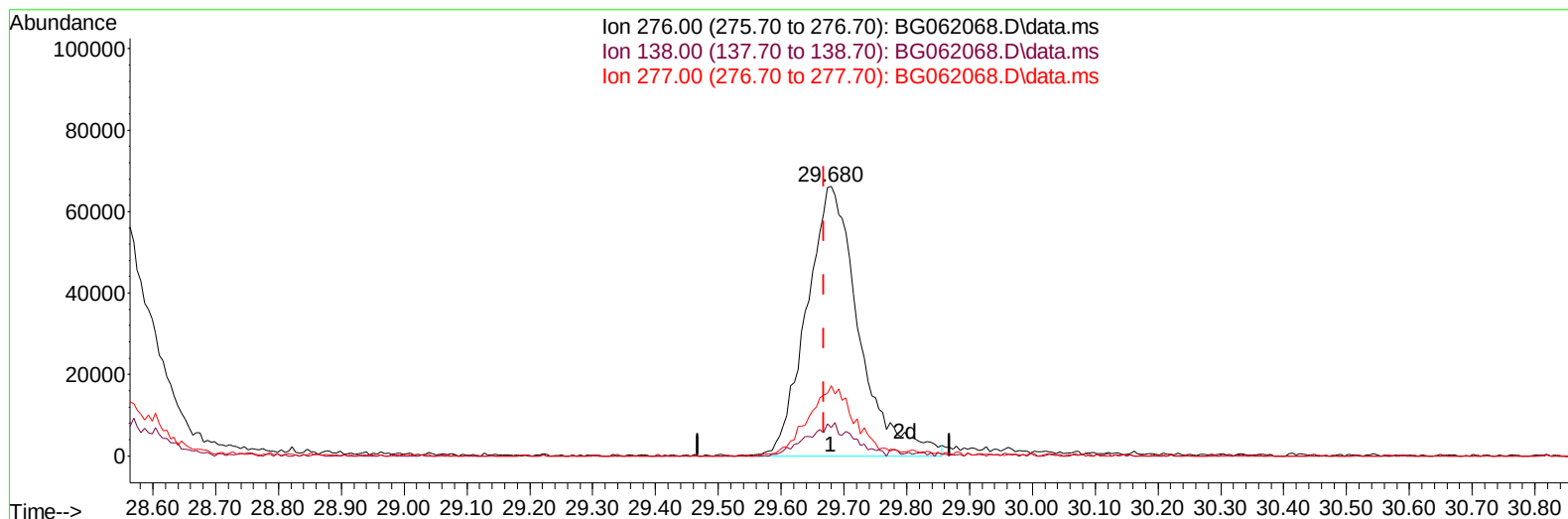
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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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TIC: BG062068.D\data.ms

(96) Benzo(g,h,i)perylene

29.680min (+ 0.011) 18.22 ng/ul m

response 381106

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 10.44# |
| 277.00 | 23.50  | 26.05  |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
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 LabSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: Jul 16 02:39:53 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.040  | 152  | 30406    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.849 | 136  | 154925   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.668 | 164  | 122964   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.412 | 188  | 312000   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.677 | 240  | 296575   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.879 | 264  | 344823   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 5956     | 7.361  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.851  | 84   | 42718    | 17.170 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.206  | 99   | 60578    | 18.205 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.359  | 67   | 31775    | 15.079 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.570  | 132  | 41942    | 18.375 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.745  | 113  | 43891    | 16.753 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.204  | 128  | 21226    | 18.015 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.926  | 143  | 24386    | 18.123 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.473 | 165  | 49264    | 18.982 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.990 | 131  | 70617    | 18.741 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.074 | 166  | 180975   | 17.902 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.368 | 160  | 192832   | 18.242 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.879 | 143  | 26436    | 16.375 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.661 | 176  | 157562   | 18.514 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.778 | 200  | 27659    | 16.880 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.512 | 188  | 262074   | 17.991 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.797 | 212  | 300909   | 17.250 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.662 | 264  | 319438   | 18.679 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.469  | 88   | 5984     | 6.700  | ng/uL  | 98       |
| 5) Pyridine                   | 3.875  | 79   | 46796    | 18.341 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.177  | 77   | 33027m   | 18.754 | ng/ul  |          |
| 8) Phenol                     | 7.229  | 94   | 58144    | 17.067 | ng/ul# | 82       |
| 10) Bis(2-Chloroethyl)ether   | 7.459  | 93   | 41368    | 15.807 | ng/ul  | 91       |
| 12) 2-Chlorophenol            | 7.605  | 128  | 42003    | 18.063 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.487  | 108  | 43505    | 17.892 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.563  | 45   | 82004    | 14.342 | ng/ul# | 91       |
| 16) Acetophenone              | 8.863  | 105  | 71261    | 16.466 | ng/ul  | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.845  | 70   | 38465    | 15.876 | ng/ul# | 90       |
| 18) 4-Methylphenol            | 8.810  | 108  | 45716    | 16.788 | ng/ul  | 93       |
| 19) Hexachloroethane          | 9.115  | 117  | 19133    | 18.967 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.251  | 77   | 61027    | 18.246 | ng/ul  | 99       |
| 23) Isophorone                | 9.768  | 82   | 115209   | 15.247 | ng/ul# | 92       |
| 25) 2-Nitrophenol             | 9.956  | 139  | 25363    | 18.483 | ng/ul# | 80       |
| 26) 2,4-Dimethylphenol        | 10.020 | 107  | 59978    | 18.263 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.249 | 93   | 60677    | 14.582 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.496 | 162  | 47180    | 19.353 | ng/ul  | 98       |
| 30) Naphthalene               | 10.902 | 128  | 153803   | 18.073 | ng/ul# | 95       |
| 32) 4-Chloroaniline           | 11.013 | 127  | 66048    | 17.864 | ng/ul  | 90       |
| 33) Hexachlorobutadiene       | 11.172 | 225  | 36175    | 19.719 | ng/ul  | 91       |
| 34) Caprolactam               | 11.759 | 113  | 16754m   | 17.541 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.130 | 107  | 64145    | 19.756 | ng/ul  | 96       |

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 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jul 16 02:39:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 11 12:11:32 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/20/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.500 | 142  | 113879   | 18.471 | ng/ul  | 96       |
| 37) 1-Methylnaphthalene       | 12.723 | 142  | 118414   | 18.482 | ng/ul  | 91       |
| 39) 1,2,4,5-Tetrachloroben... | 12.864 | 216  | 67587    | 18.303 | ng/ul  | 92       |
| 40) Hexachlorocyclopentadiene | 12.835 | 237  | 42058    | 17.110 | ng/ul# | 90       |
| 41) 2,4,6-Trichlorophenol     | 13.111 | 196  | 44020    | 17.948 | ng/ul  | 87       |
| 42) 2,4,5-Trichlorophenol     | 13.187 | 196  | 49685    | 18.441 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.504 | 154  | 162857   | 17.189 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.551 | 162  | 123351   | 17.348 | ng/ul# | 88       |
| 45) 2-Nitroaniline            | 13.757 | 65   | 53630    | 18.834 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.121 | 163  | 169099   | 17.391 | ng/ul# | 94       |
| 48) 2,6-Dinitrotoluene        | 14.245 | 165  | 35433    | 19.209 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.398 | 152  | 208675   | 17.987 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.580 | 138  | 32962    | 18.357 | ng/ul  | 89       |
| 52) Acenaphthene              | 14.732 | 153  | 145310   | 18.139 | ng/ul  | 91       |
| 53) 2,4-Dinitrophenol         | 14.785 | 184  | 20157    | 20.916 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.897 | 109  | 37614    | 20.414 | ng/ul  | 81       |
| 56) Dibenzofuran              | 15.067 | 168  | 205722   | 18.169 | ng/ul  | 92       |
| 57) 2,4-Dinitrotoluene        | 15.032 | 165  | 57335    | 21.194 | ng/ul  | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.291 | 232  | 45291    | 18.616 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.479 | 149  | 186611   | 17.809 | ng/ul  | 95       |
| 61) Fluorene                  | 15.720 | 166  | 178120   | 18.498 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.708 | 204  | 91554    | 18.929 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.737 | 138  | 35104    | 19.267 | ng/ul# | 77       |
| 66) 4,6-Dinitro-2-methylph... | 15.796 | 198  | 31981    | 18.136 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 15.919 | 169  | 146215   | 17.160 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.601 | 248  | 65819    | 18.595 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.712 | 284  | 77786    | 19.112 | ng/ul# | 92       |
| 70) Atrazine                  | 16.865 | 200  | 63153    | 18.776 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.065 | 266  | 42571m   | 19.029 | ng/ul  |          |
| 72) Phenanthrene              | 17.459 | 178  | 287703   | 17.488 | ng/ul  | 98       |
| 74) Anthracene                | 17.547 | 178  | 294575   | 17.327 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.469 | 216  | 70026    | 18.071 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 14.985 | 250  | 82957    | 18.770 | ng/ul  | 98       |
| 77) Carbazole                 | 17.817 | 167  | 255834   | 17.881 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.363 | 149  | 309323   | 16.839 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.462 | 202  | 347139   | 16.815 | ng/ul# | 94       |
| 82) Pyrene                    | 19.826 | 202  | 357599   | 16.769 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.702 | 149  | 145970   | 16.310 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.571 | 252  | 137925   | 19.548 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.654 | 228  | 387534   | 18.047 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.548 | 149  | 212144   | 16.519 | ng/ul# | 95       |
| 87) Chrysene                  | 21.718 | 228  | 358294   | 17.824 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.752 | 149  | 370955   | 17.609 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.857 | 252  | 397011   | 18.274 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.928 | 252  | 393033   | 18.142 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 24.732 | 252  | 380153   | 18.479 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.528 | 276  | 481090m  | 18.300 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.599 | 278  | 391479   | 18.030 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 29.680 | 276  | 381106m  | 18.222 | ng/ul  |          |

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

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