

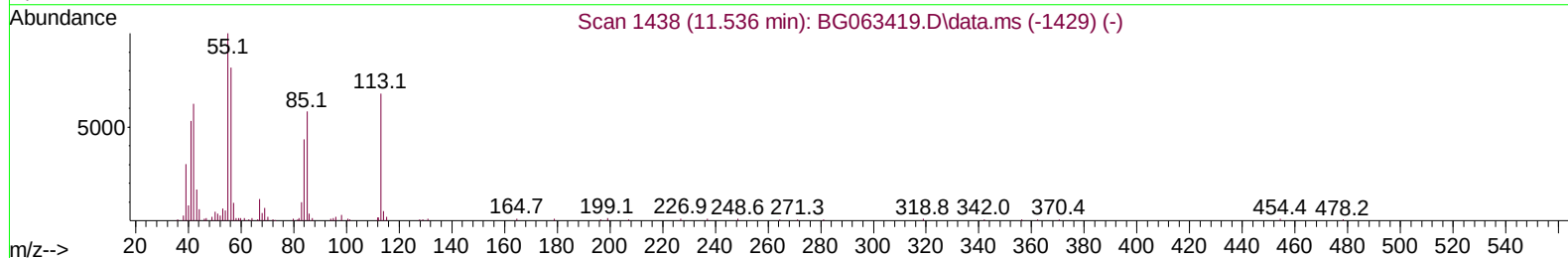
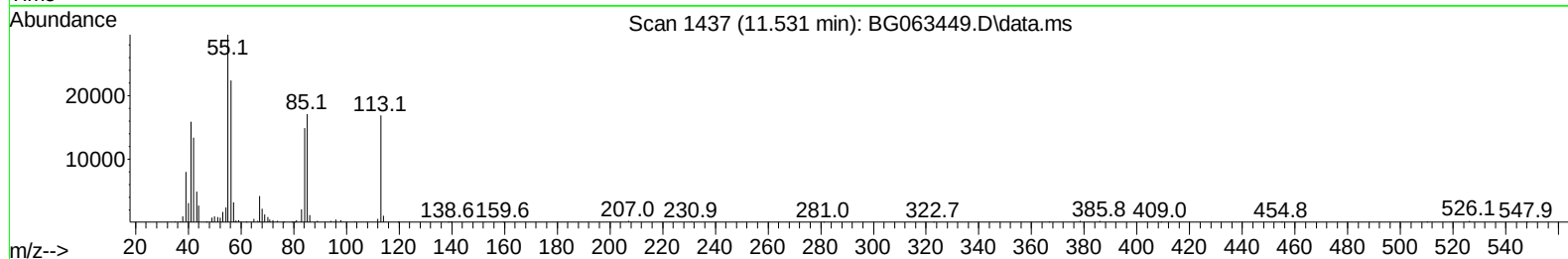
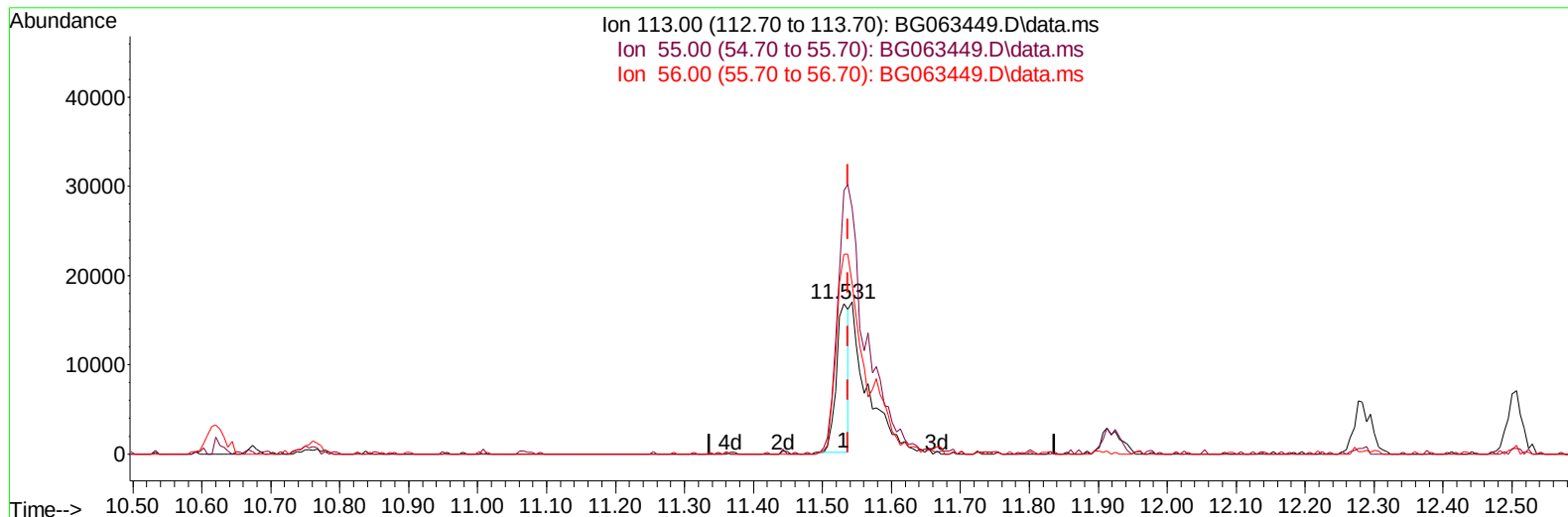
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111524\  
Data File : BG063449.D  
Acq On : 16 Nov 2024 6:58  
Operator : RC/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Nov 17 04:51:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG110624.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 06 15:45:52 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/18/2024  
Supervised By :mohammad ahmed 11/18/2024



TIC: BG063449.D\data.ms

(34) Caprolactam

11.531min (-0.006) 6.72 ng/u1

response 20744

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 146.10 | 175.15  |
| 56.00  | 105.40 | 132.86# |
| 0.00   | 0.00   | 0.00    |

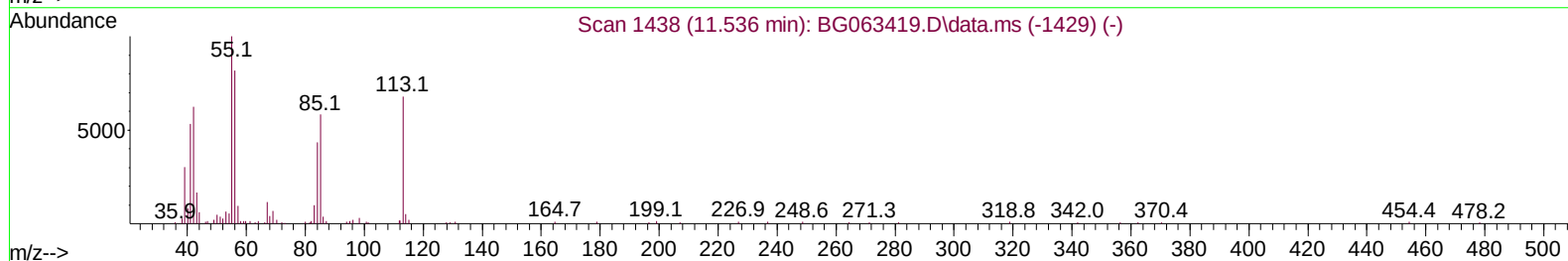
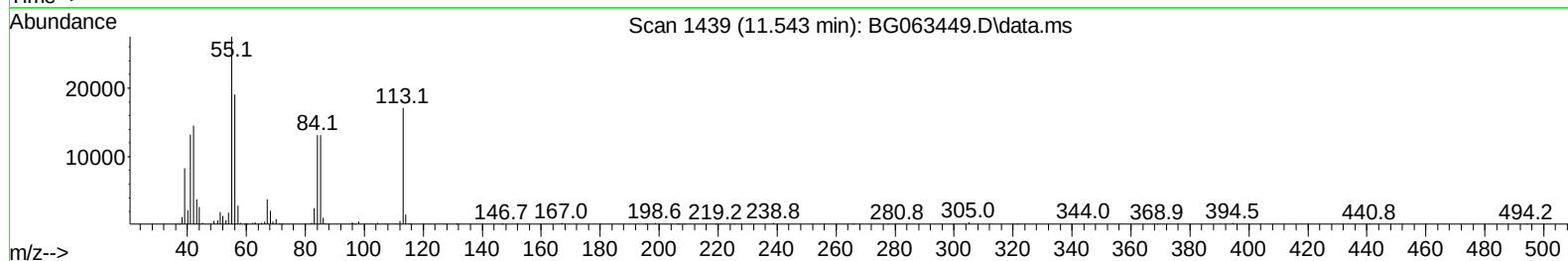
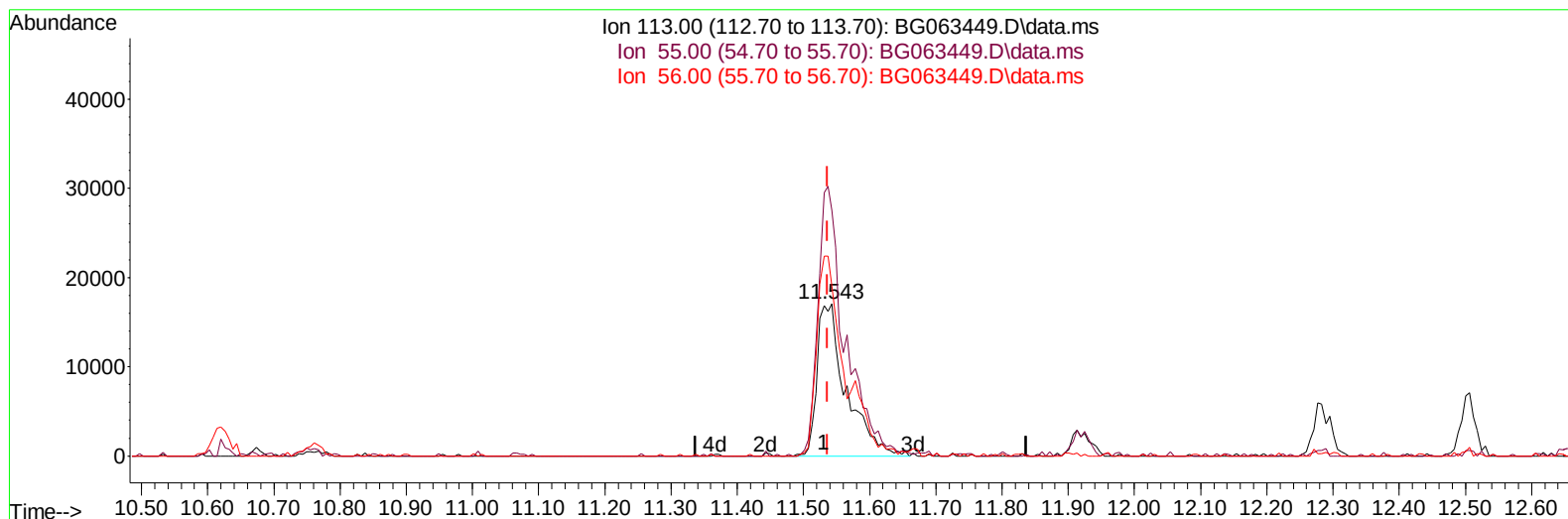
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TIC: BG063449.D\data.ms

(34) Caprolactam

11.543min (+ 0.006) 16.73 ng/ul m

response 51671

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 146.10 | 160.96 |
| 56.00  | 105.40 | 111.61 |
| 0.00   | 0.00   | 0.00   |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :

BNA\_G

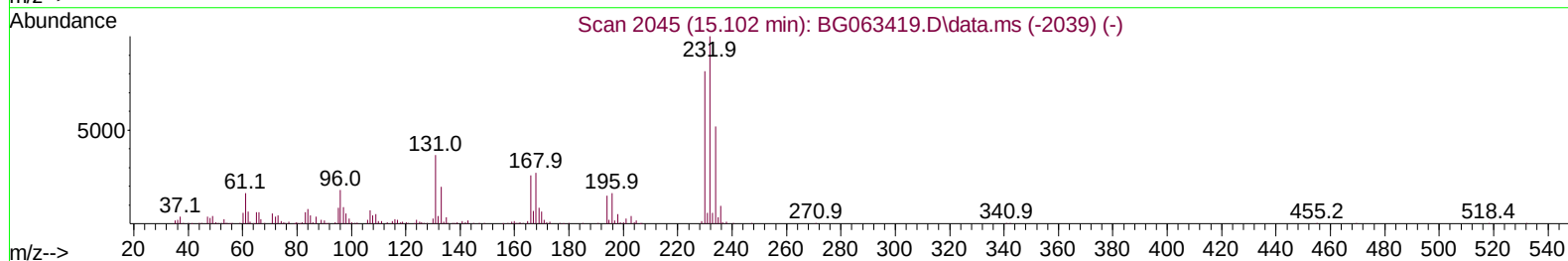
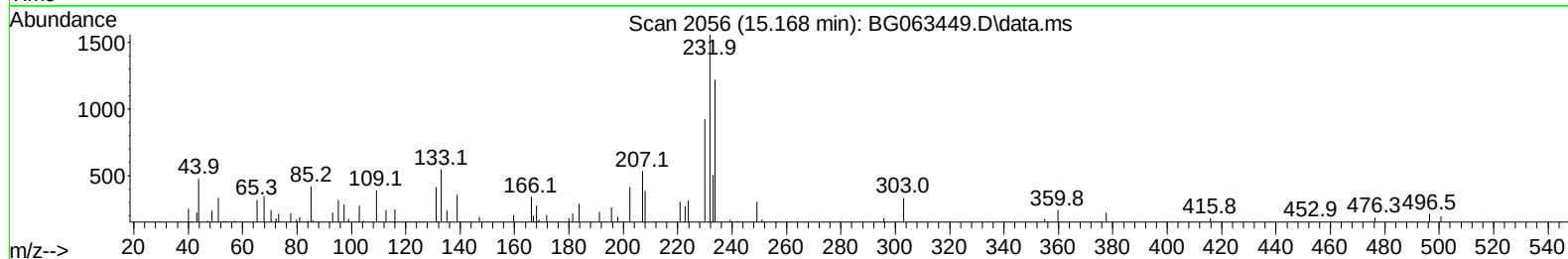
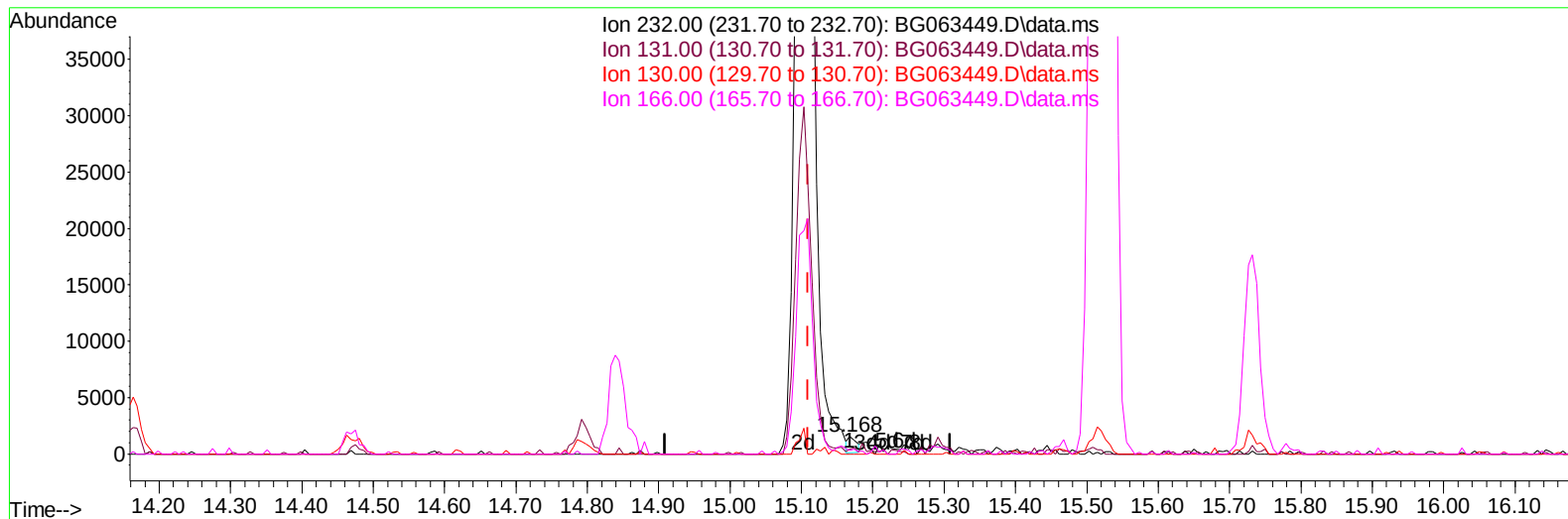
LabSampleId :

SSTDCCC020

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TIC: BG063449.D\data.ms

(58) 2,3,4,6-Tetrachlorophenol

15.168min (+ 0.059) 0.15 ng/uI

response 1158

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 232.00 | 100.00 | 100.00 |
| 131.00 | 28.30  | 26.64  |
| 130.00 | 0.00   | 0.00   |
| 166.00 | 23.80  | 21.82  |

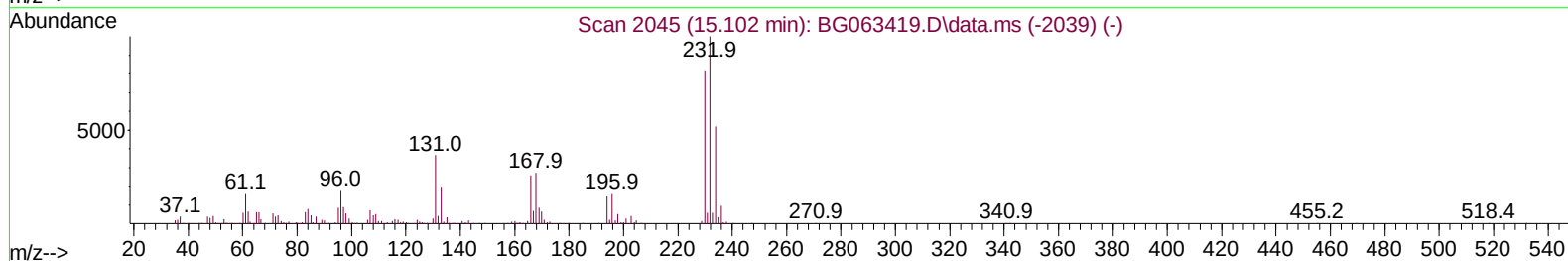
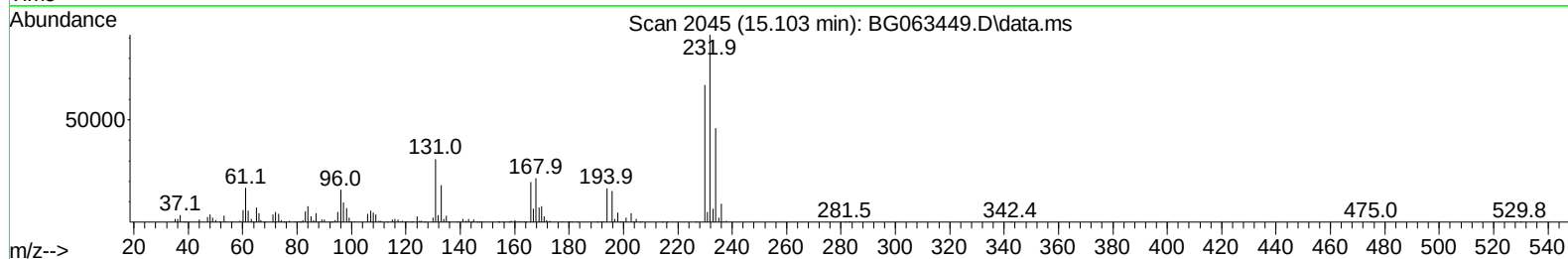
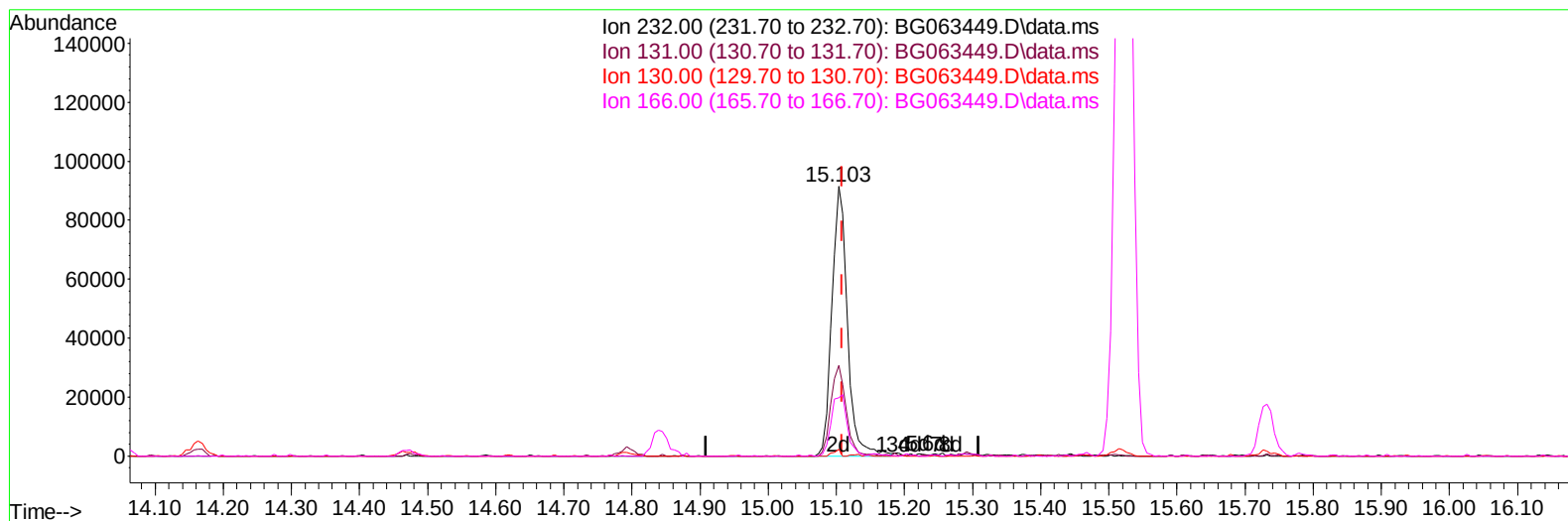
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Sample : SSTDCCC020  
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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BG063449.D\data.ms

(58) 2,3,4,6-Tetrachlorophenol

15.103min (-0.006) 19.18 ng/ul m

response 145229

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 232.00 | 100.00 | 100.00 |
| 131.00 | 28.30  | 33.69  |
| 130.00 | 0.00   | 2.53#  |
| 166.00 | 23.80  | 21.64  |

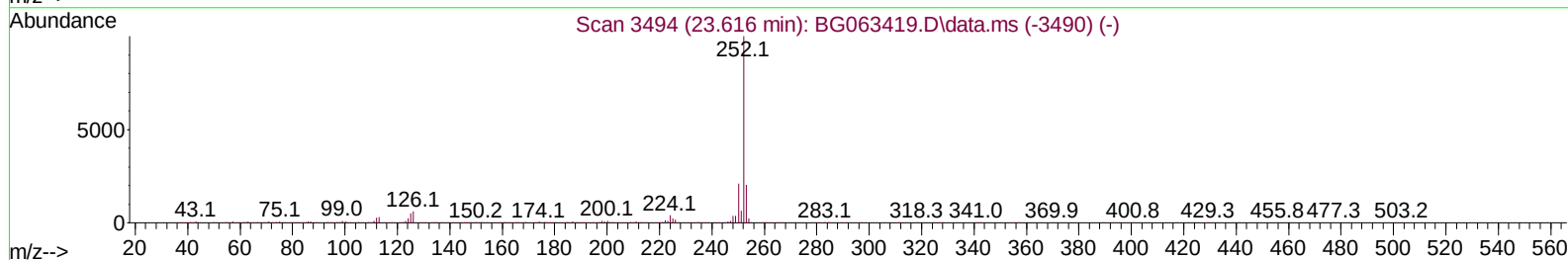
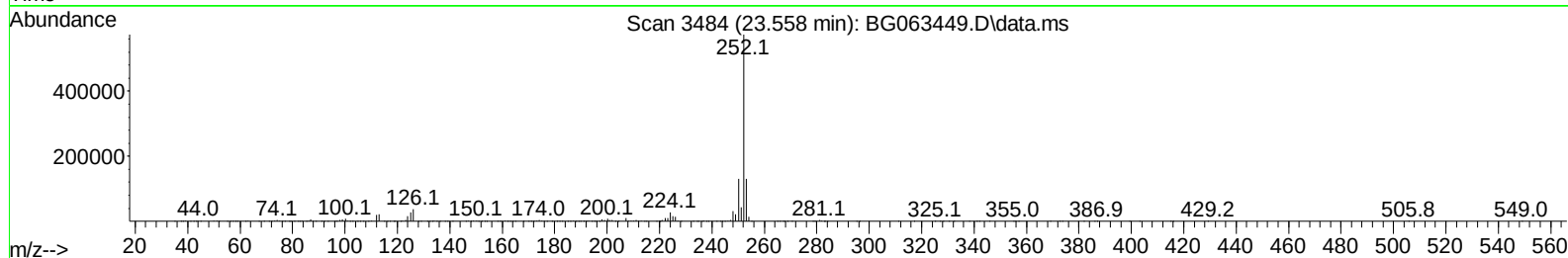
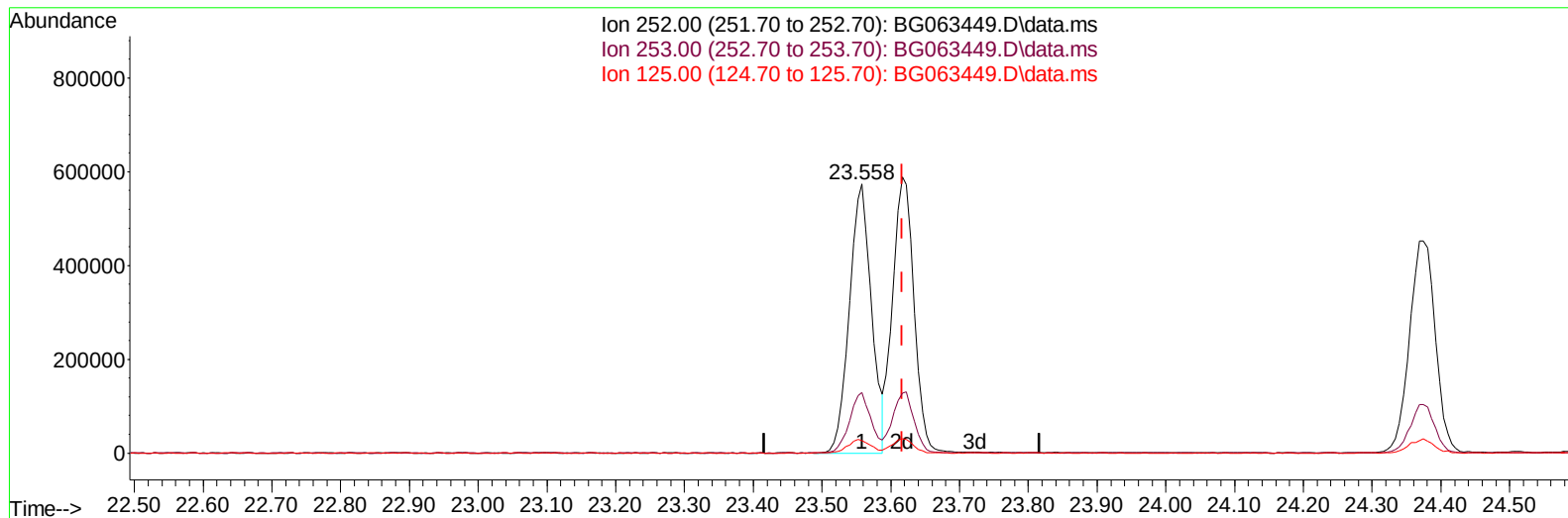
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Sample : SSTDCCC020  
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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/18/2024



TIC: BG063449.D\data.ms

(91) Benzo(k)fluoranthene

23.558min (-0.059) 21.71 ng/u1

response 1284273

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 22.58  |
| 125.00 | 4.10   | 4.74   |
| 0.00   | 0.00   | 0.00   |

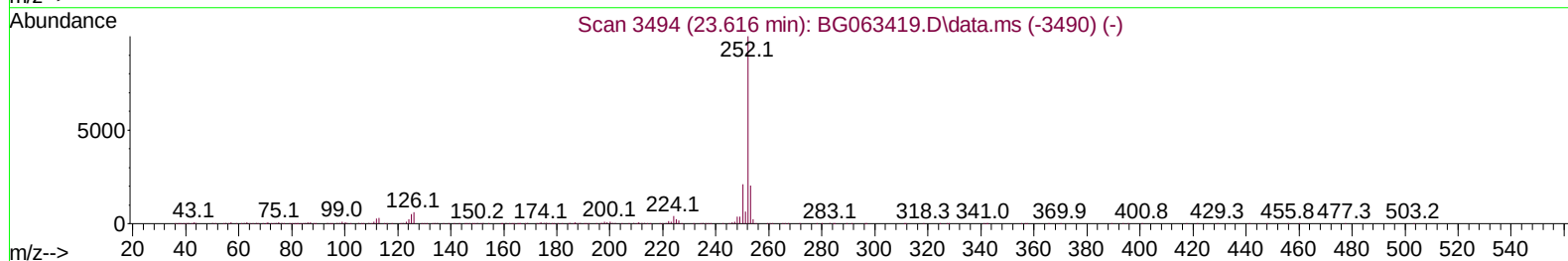
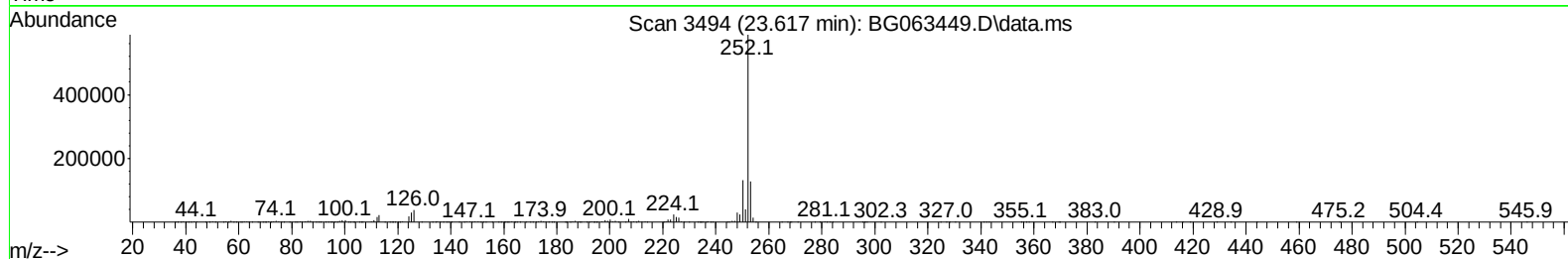
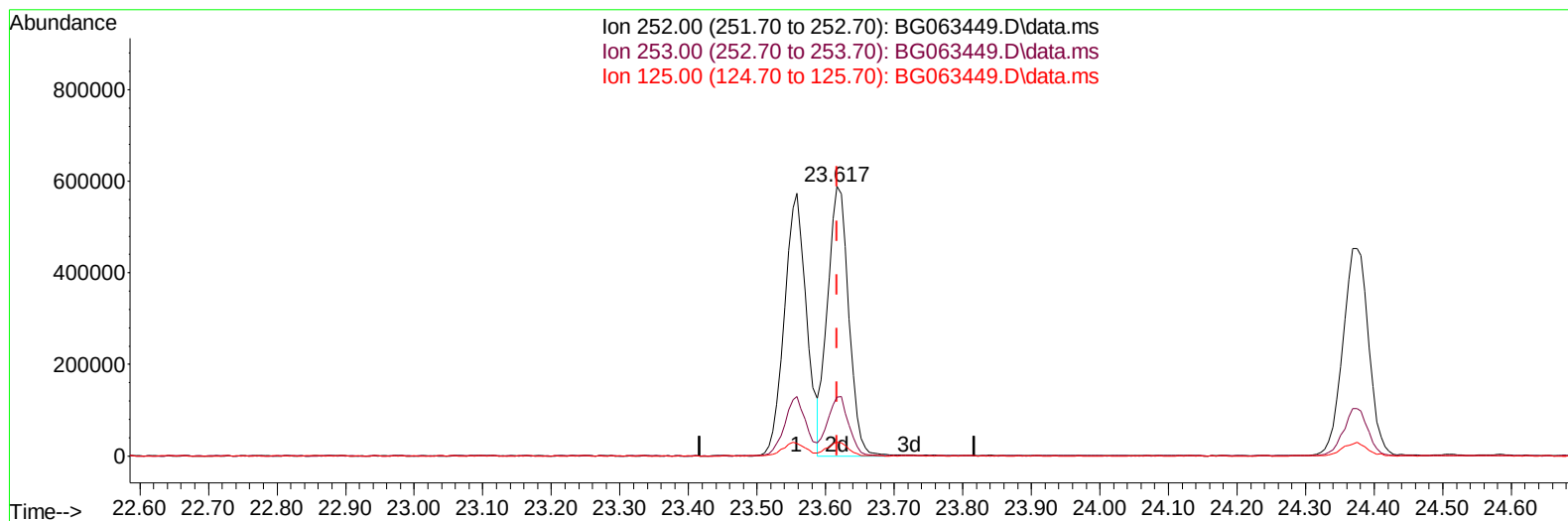
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 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Nov 17 04:51:24 2024  
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TIC: BG063449.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.617min (+ 0.000) 21.40 ng/ul m**

**response 1265915**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 21.73  |
| 125.00 | 4.10   | 5.21#  |
| 0.00   | 0.00   | 0.00   |

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 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Nov 17 04:57:09 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.835  | 152  | 101240   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.620 | 136  | 442139   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.469 | 164  | 354393   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.224 | 188  | 883485   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.478 | 240  | 924921   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.516 | 264  | 986965   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 19175    | 8.564  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 161031   | 21.760 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.013  | 99   | 183919   | 20.133 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.165  | 67   | 113844   | 21.246 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.371  | 132  | 129767   | 21.885 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.546  | 113  | 159359   | 20.581 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.987  | 128  | 66076    | 21.257 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.710  | 143  | 82008    | 20.413 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.250 | 165  | 167920   | 21.299 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.761 | 131  | 203104   | 19.779 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 500279   | 18.022 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 575359   | 21.176 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.686 | 143  | 69781    | 18.360 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.467 | 176  | 459717   | 19.622 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.597 | 200  | 102983   | 18.547 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.324 | 188  | 809874   | 21.329 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.621 | 212  | 1036509  | 22.351 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.310 | 264  | 1025859  | 21.528 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.335  | 88   | 23856    | 8.655  | ng/ul# | 89       |
| 5) Pyridine                   | 3.728  | 79   | 169490   | 22.448 | ng/ul  | 94       |
| 6) Benzaldehyde               | 6.972  | 77   | 124643   | 24.687 | ng/ul  | 97       |
| 8) Phenol                     | 7.036  | 94   | 198092   | 19.898 | ng/ul  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.254  | 93   | 136174   | 20.112 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.400  | 128  | 137777   | 21.722 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.282  | 108  | 144546   | 19.877 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.352  | 45   | 195981   | 22.901 | ng/ul# | 94       |
| 16) Acetophenone              | 8.646  | 105  | 239346   | 19.198 | ng/ul  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.634  | 70   | 133244   | 18.322 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.605  | 108  | 166318   | 20.114 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.910  | 117  | 57183    | 22.248 | ng/ul  | 94       |
| 22) Nitrobenzene              | 9.028  | 77   | 206229   | 21.517 | ng/ul  | 97       |
| 23) Isophorone                | 9.551  | 82   | 358184   | 17.707 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.739  | 139  | 86661    | 21.822 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.804  | 107  | 176348   | 20.358 | ng/ul  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.033 | 93   | 199779   | 20.487 | ng/ul# | 93       |
| 29) 2,4-Dichlorophenol        | 10.274 | 162  | 157584   | 21.202 | ng/ul  | 93       |
| 30) Naphthalene               | 10.673 | 128  | 481891   | 21.301 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 10.785 | 127  | 188684   | 19.198 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 10.955 | 225  | 139334   | 19.587 | ng/ul  | 97       |
| 34) Caprolactam               | 11.543 | 113  | 51671m   | 16.726 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.919 | 107  | 168934   | 18.942 | ng/ul  | 97       |

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 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.283 | 142  | 346317   | 19.314 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.506 | 142  | 355308   | 19.056 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.659 | 216  | 265284   | 21.235 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 12.636 | 237  | 136568   | 20.020 | ng/ul# | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.906 | 196  | 142565   | 21.141 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.976 | 196  | 155469   | 21.260 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.299 | 154  | 488865   | 21.762 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.341 | 162  | 380834   | 21.776 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.552 | 65   | 124055   | 20.795 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.922 | 163  | 476641   | 17.907 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.052 | 165  | 102736   | 20.170 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.193 | 152  | 577414   | 21.334 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.381 | 138  | 104313   | 23.463 | ng/ul# | 95       |
| 52) Acenaphthene              | 14.533 | 153  | 418558   | 21.607 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.598 | 184  | 50629    | 15.077 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.704 | 109  | 86507    | 17.512 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.874 | 168  | 615079   | 20.742 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 151837   | 18.848 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.103 | 232  | 145229m  | 19.176 | ng/ul  |          |
| 59) Diethylphthalate          | 15.291 | 149  | 488086   | 17.886 | ng/ul  | 99       |
| 61) Fluorene                  | 15.520 | 166  | 502891   | 20.037 | ng/ul  | 93       |
| 62) 4-Chlorophenyl-phenyle... | 15.515 | 204  | 311477   | 19.311 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.544 | 138  | 103026   | 22.896 | ng/ul  | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 109854   | 19.064 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.732 | 169  | 441087   | 22.380 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.413 | 248  | 207209   | 20.516 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.531 | 284  | 215158   | 19.996 | ng/ul  | 97       |
| 70) Atrazine                  | 16.684 | 200  | 214347   | 19.880 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.883 | 266  | 85310    | 15.815 | ng/ul  | 91       |
| 72) Phenanthrene              | 17.265 | 178  | 891100   | 22.075 | ng/ul  | 97       |
| 74) Anthracene                | 17.359 | 178  | 912355   | 22.063 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.264 | 216  | 263504   | 23.065 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.798 | 250  | 261208   | 21.440 | ng/ul  | 95       |
| 77) Carbazole                 | 17.630 | 167  | 762196   | 22.201 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.188 | 149  | 876697   | 22.449 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.287 | 202  | 1150742  | 22.958 | ng/ul# | 97       |
| 82) Pyrene                    | 19.651 | 202  | 1212612  | 22.823 | ng/ul# | 96       |
| 83) Butylbenzylphthalate      | 20.550 | 149  | 389916   | 25.111 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.384 | 252  | 459184   | 23.088 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.460 | 228  | 1295606  | 22.145 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.378 | 149  | 563988   | 24.936 | ng/ul  | 96       |
| 87) Chrysene                  | 21.525 | 228  | 1225523  | 22.468 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.518 | 149  | 973943   | 25.041 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.558 | 252  | 1284273  | 21.627 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.617 | 252  | 1265915m | 21.403 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.369 | 252  | 1178754  | 21.460 | ng/ul# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.935 | 276  | 1453593  | 21.574 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.988 | 278  | 1188067  | 21.629 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 29.005 | 276  | 1091092  | 21.359 | ng/ul  | 98       |

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



**Instrument :**

BNA\_G

**LabSampleId :**

SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTDCCC020

## Manual IntegrationsAPPROVED

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