

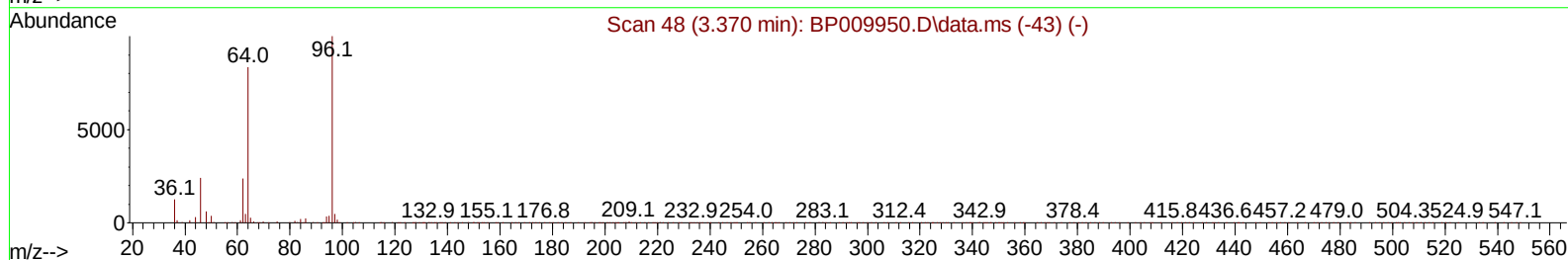
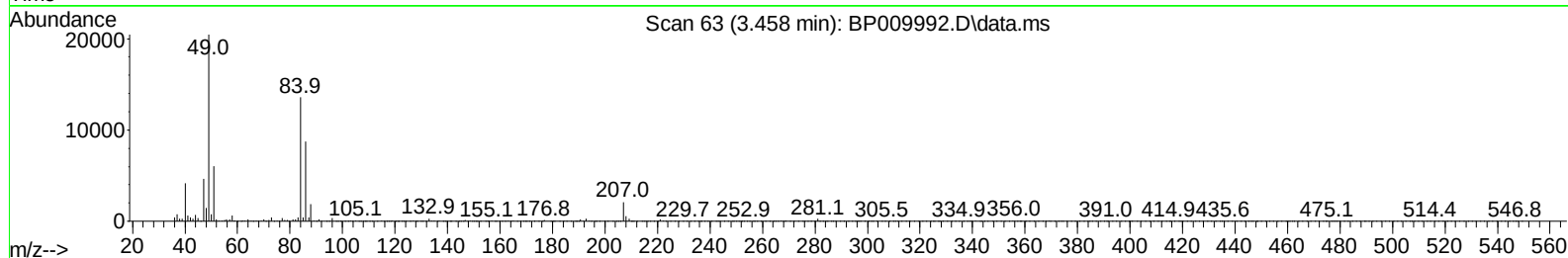
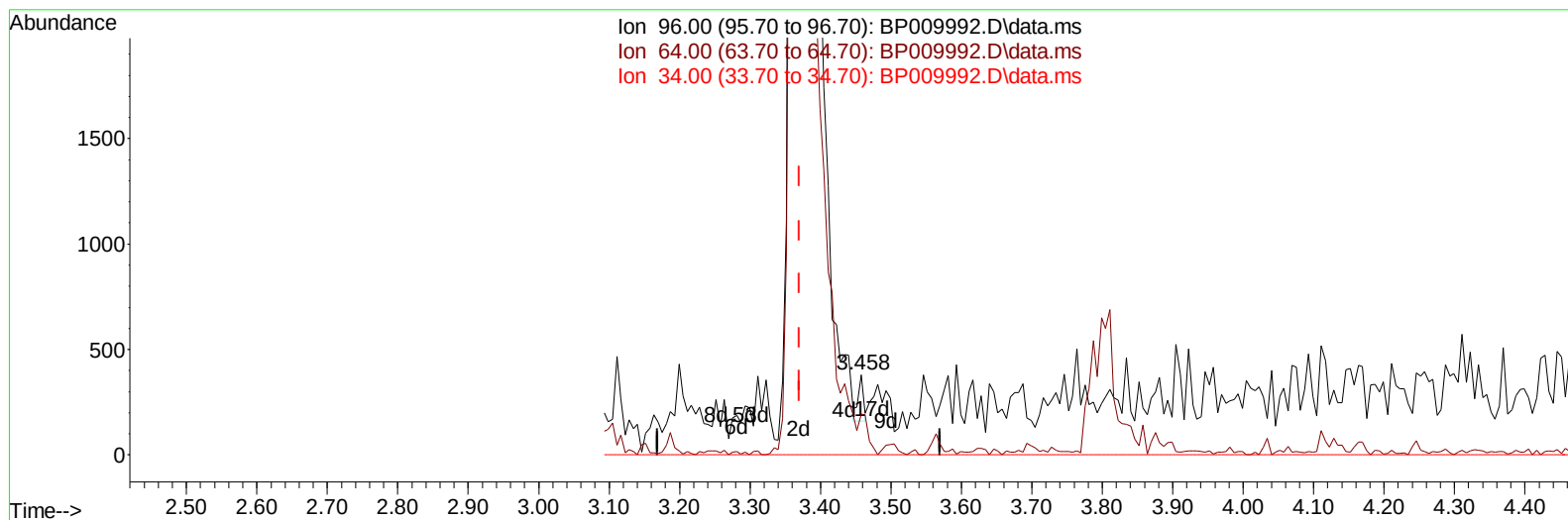
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041922\  
 Data File : BP009992.D  
 Acq On : 21 Apr 2022 00:00  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Apr 21 02:57:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 20 01:32:14 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/21/2022  
 Supervised By :Yogesh Patel 04/25/2022



TIC: BP009992.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.458min (+ 0.088) 0.04 ng/uL**

**response 114**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 55.40  | 50.66  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

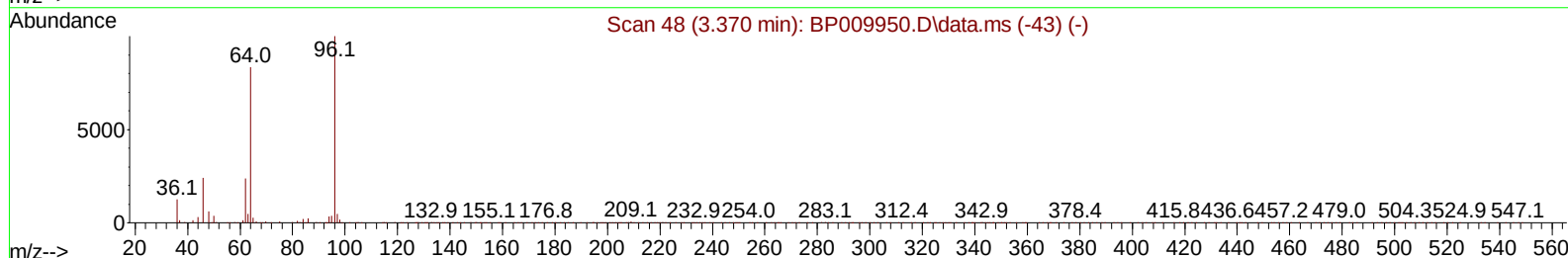
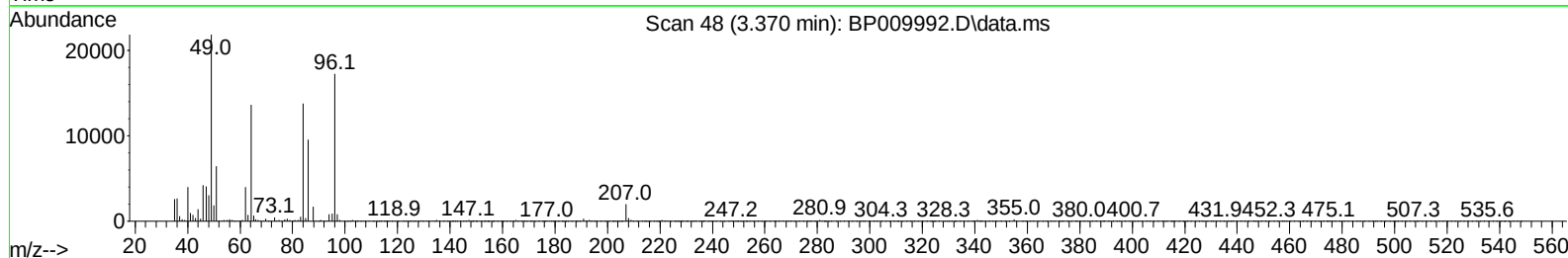
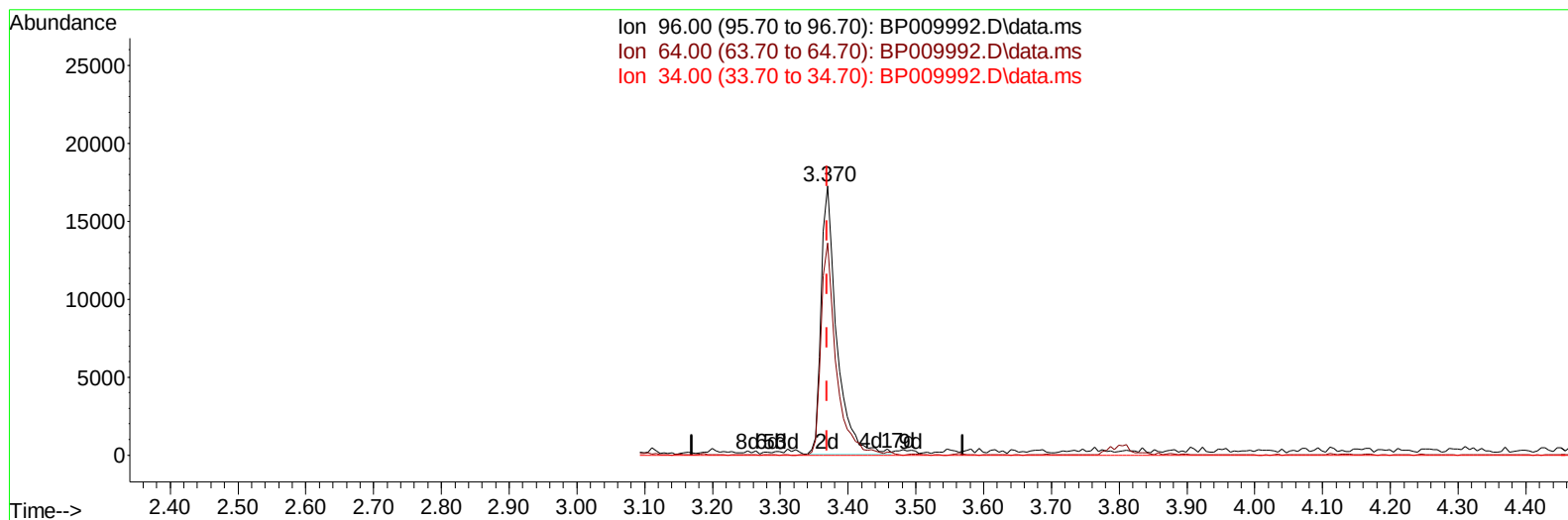
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**(3) 1,4-Dioxane-d8 (S)**

**3.370min (-0.000) 8.59 ng/uL m**

**response 27508**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 55.40  | 78.86# |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

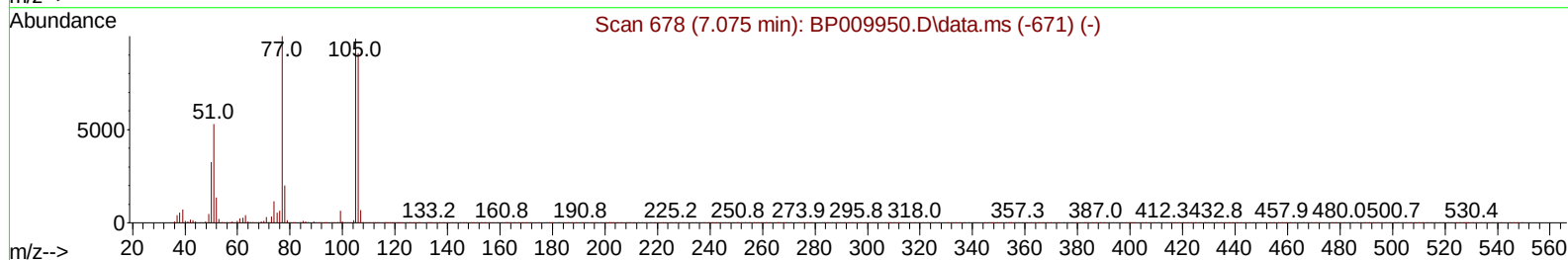
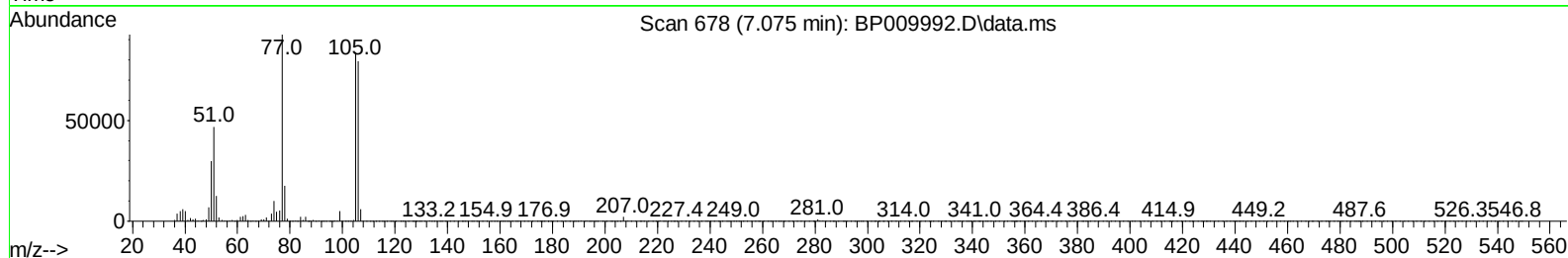
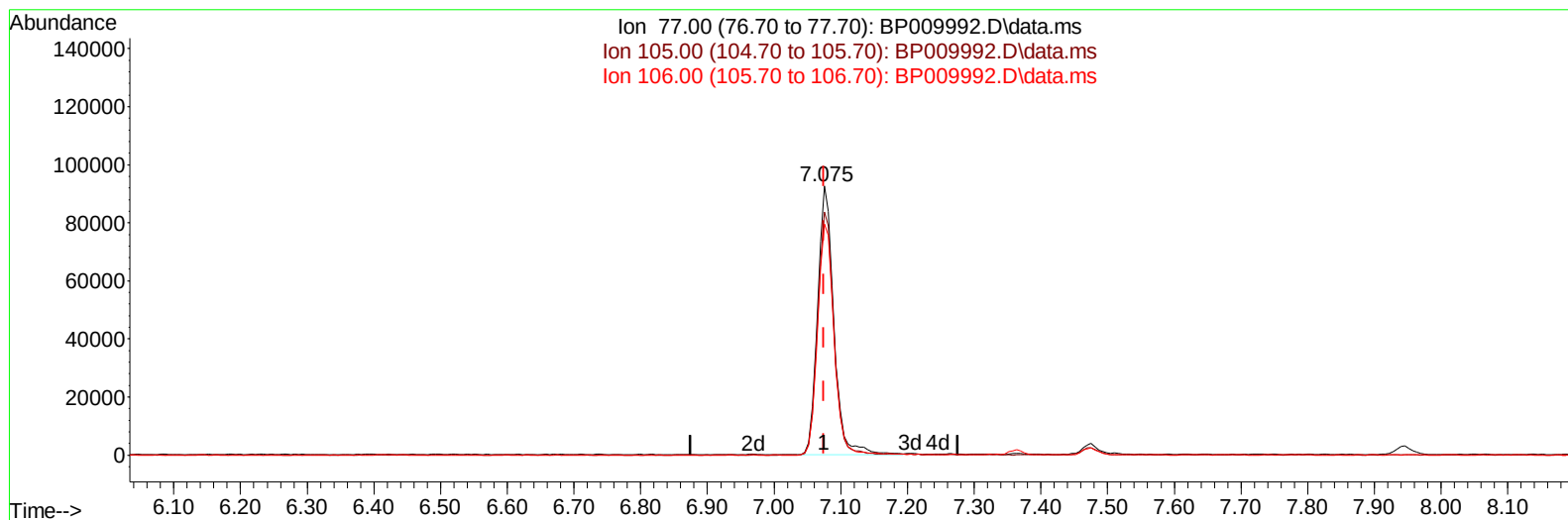
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Manual IntegrationsAPPROVED

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TIC: BP009992.D\data.ms

**(6) Benzaldehyde**

7.075min (-0.000) 20.28 ng/ul

response 156078

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 96.20  | 90.45  |
| 106.00 | 96.20  | 85.84  |
| 0.00   | 0.00   | 0.00   |

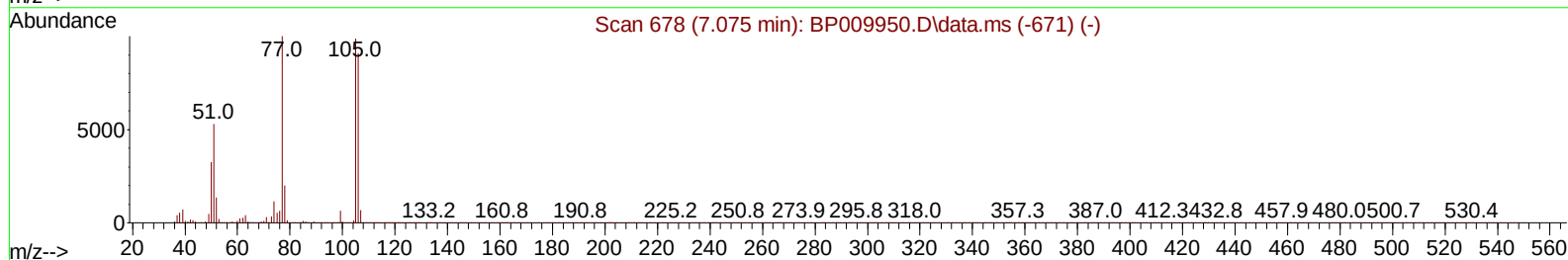
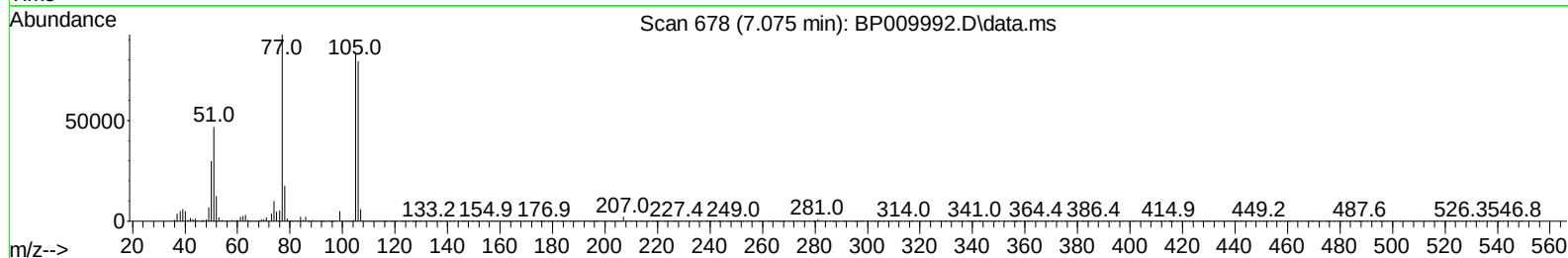
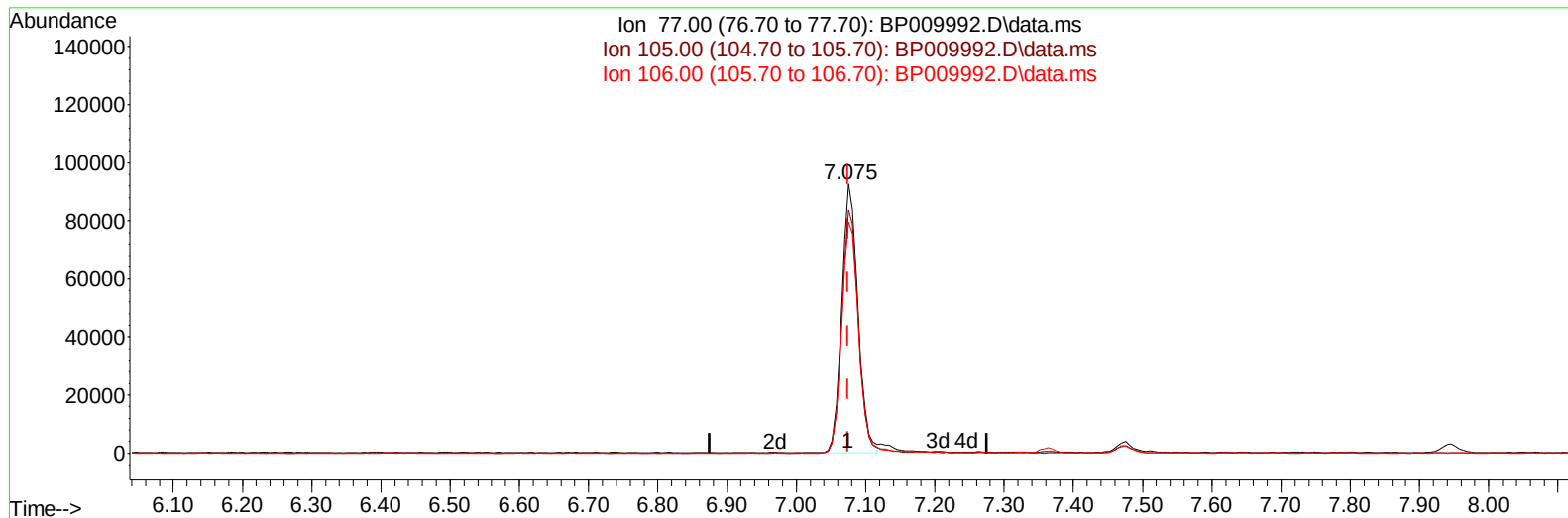
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TIC: BP009992.D\data.ms

**(6) Benzaldehyde**

7.075min (-0.000) 19.71 ng/ul m

response 151658

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 96.20  | 90.45  |
| 106.00 | 96.20  | 85.84  |
| 0.00   | 0.00   | 0.00   |

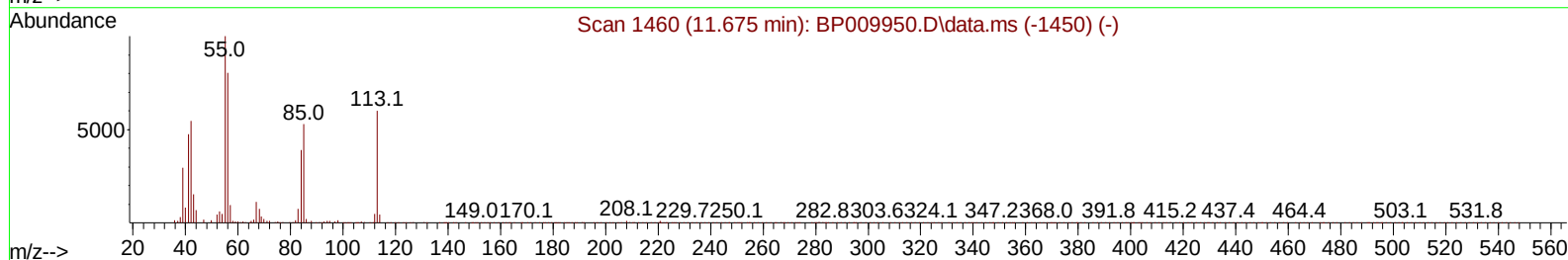
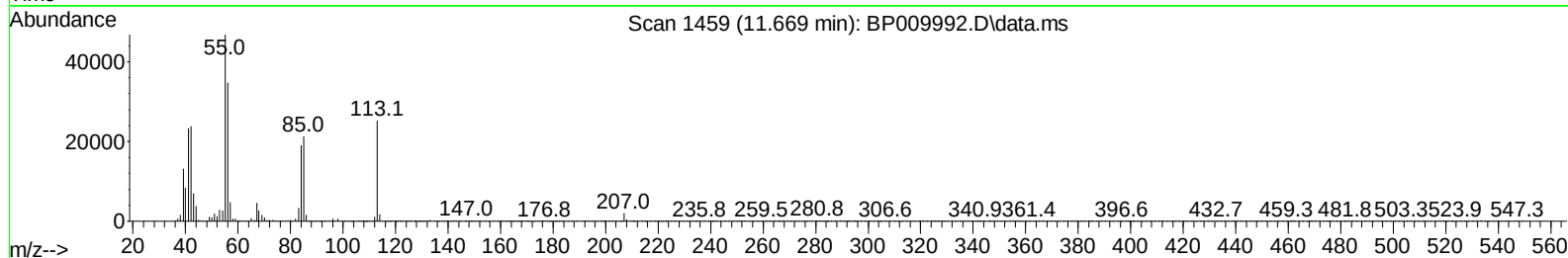
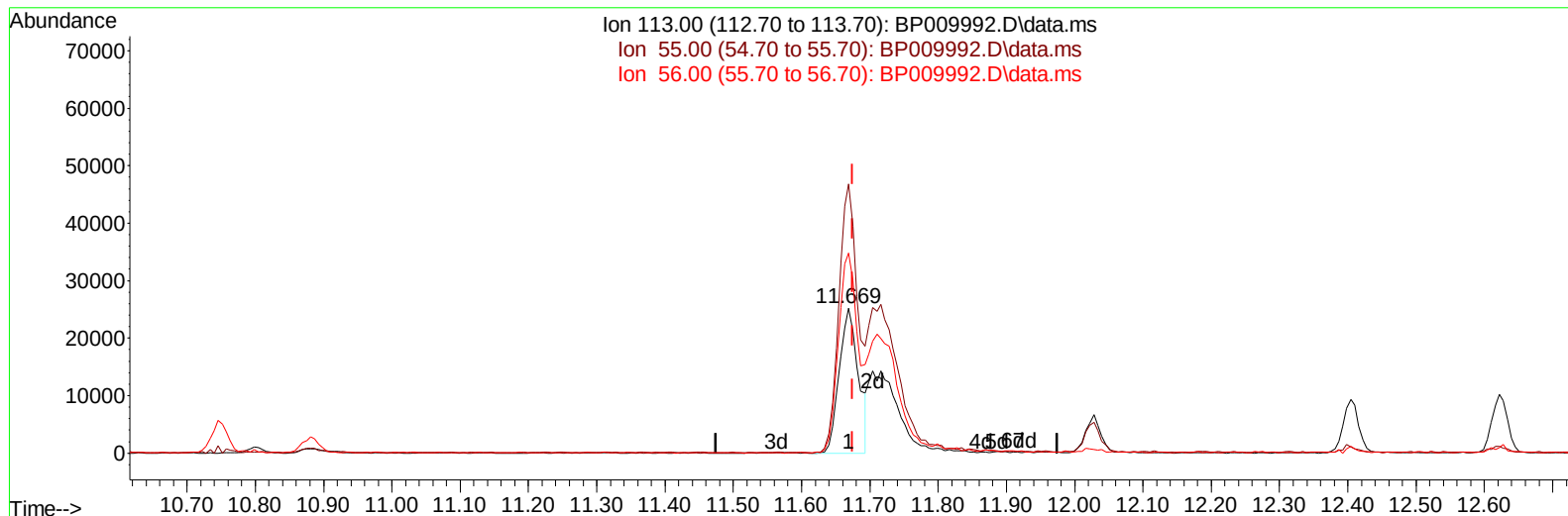
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Instrument :  
 BNA\_P  
 LabSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BP009992.D\data.ms

**(34) Caprolactam**

**11.669min (-0.006) 13.99 ng/ul**

**response 48733**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 72.70  | 185.33# |
| 56.00  | 85.80  | 137.67# |
| 0.00   | 0.00   | 0.00    |

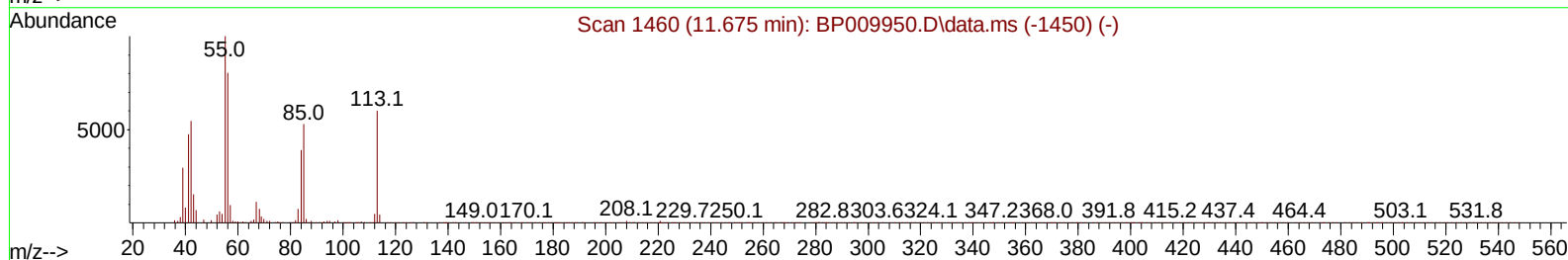
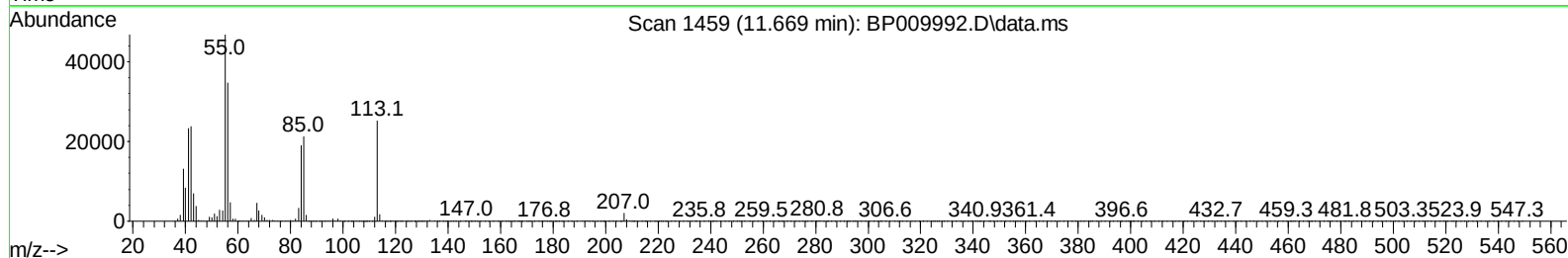
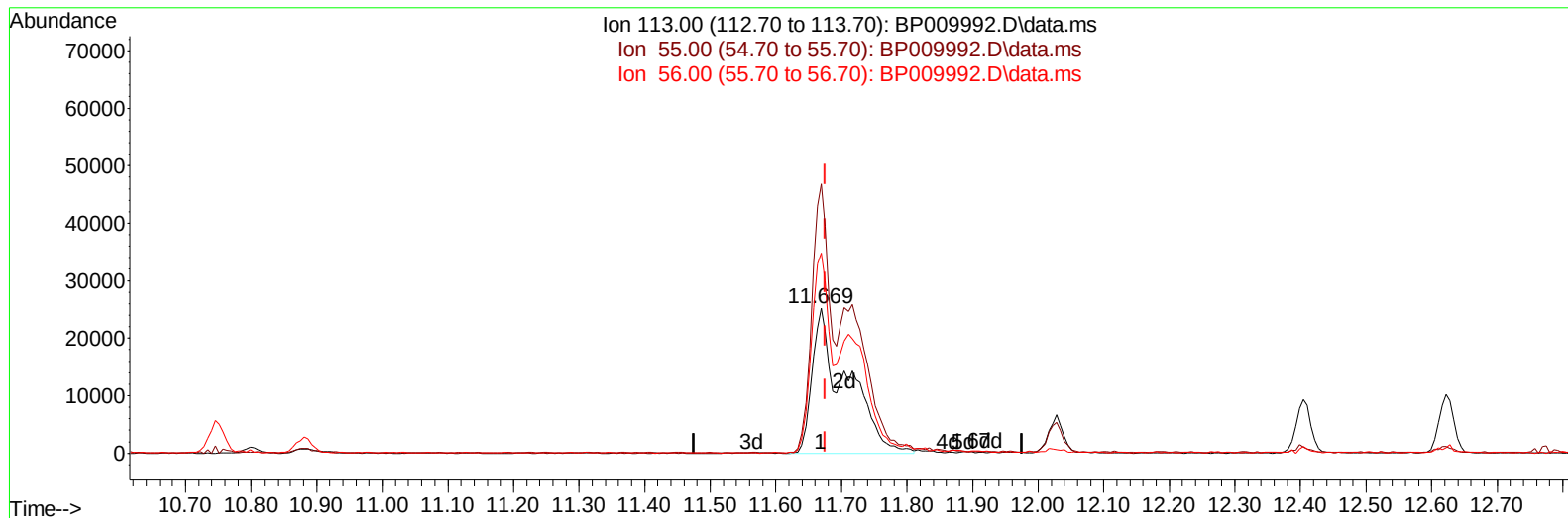
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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

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TIC: BP009992.D\data.ms

(34) Caprolactam

11.669min (-0.006) 26.29 ng/ul m

response 91581

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 72.70  | 185.33# |
| 56.00  | 85.80  | 137.67# |
| 0.00   | 0.00   | 0.00    |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 142919   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.746 | 136  | 656686   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.575 | 164  | 540622   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.328 | 188  | 1233425  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.404 | 240  | 1328558  | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.863 | 264  | 1264220  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.370  | 96   | 27508m   | 8.590  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.787  | 84   | 181309   | 20.535 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 273164   | 21.771 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.269  | 67   | 165806   | 22.197 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 207692   | 21.944 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 241596   | 23.065 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.105  | 128  | 115178   | 24.322 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 133367   | 25.688 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.369 | 165  | 258029   | 23.750 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.881 | 131  | 383586   | 24.789 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.981 | 166  | 906430   | 21.345 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.269 | 160  | 1077738  | 21.422 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 166457   | 21.613 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.569 | 176  | 773944   | 21.664 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.681 | 200  | 157472   | 21.551 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.428 | 188  | 1277537  | 21.633 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.651 | 212  | 1542384  | 21.257 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.698 | 264  | 1421882  | 21.597 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 26782    | 8.204  | ng/ul# | 29       |
| 5) Pyridine                   | 3.805  | 79   | 192973   | 20.948 | ng/ul# | 40       |
| 6) Benzaldehyde               | 7.075  | 77   | 151658m  | 19.708 | ng/ul  |          |
| 8) Phenol                     | 7.128  | 94   | 273460   | 21.773 | ng/ul# | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.363  | 93   | 217100   | 22.191 | ng/ul# | 78       |
| 12) 2-Chlorophenol            | 7.505  | 128  | 209229   | 21.927 | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.387  | 108  | 219639   | 22.426 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 324484   | 22.438 | ng/ul# | 86       |
| 16) Acetophenone              | 8.763  | 105  | 384099   | 23.275 | ng/ul# | 81       |
| 17) N-Nitroso-di-n-propyla... | 8.752  | 70   | 208911   | 24.417 | ng/ul# | 72       |
| 18) 4-Methylphenol            | 8.710  | 108  | 250541   | 23.623 | ng/ul  | 88       |
| 19) Hexachloroethane          | 9.028  | 117  | 86866    | 21.562 | ng/ul# | 82       |
| 22) Nitrobenzene              | 9.146  | 77   | 279154   | 22.966 | ng/ul# | 87       |
| 23) Isophorone                | 9.669  | 82   | 617006   | 24.634 | ng/ul# | 97       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 136339   | 24.622 | ng/ul# | 87       |
| 26) 2,4-Dimethylphenol        | 9.916  | 107  | 306333   | 23.312 | ng/ul# | 81       |
| 27) Bis(2-Chloroethoxy)met... | 10.157 | 93   | 347018   | 23.598 | ng/ul# | 98       |
| 29) 2,4-Dichlorophenol        | 10.393 | 162  | 247911   | 23.537 | ng/ul# | 85       |
| 30) Naphthalene               | 10.799 | 128  | 735563   | 21.780 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 10.904 | 127  | 380438   | 24.845 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.093 | 225  | 156733   | 20.661 | ng/ul  | 94       |
| 34) Caprolactam               | 11.669 | 113  | 91581m   | 26.292 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 317785   | 24.900 | ng/ul# | 67       |

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Instrument :  
 BNA\_P  
 LabSampleId :  
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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 570624   | 23.127 | ng/ul  | 92       |
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 579335   | 23.254 | ng/ul# | 93       |
| 39) 1,2,4,5-Tetrachloroben... | 12.775 | 216  | 339311   | 20.514 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.757 | 237  | 169236   | 14.744 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 230345   | 21.807 | ng/ul# | 83       |
| 42) 2,4,5-Trichlorophenol     | 13.081 | 196  | 253790   | 22.233 | ng/ul# | 88       |
| 43) 1,1'-Biphenyl             | 13.410 | 154  | 827851   | 20.987 | ng/ul  | 93       |
| 44) 2-Chloronaphthalene       | 13.451 | 162  | 635703   | 20.966 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.651 | 65   | 222603   | 25.051 | ng/ul# | 79       |
| 47) Dimethylphthalate         | 14.028 | 163  | 886989   | 21.701 | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.145 | 165  | 188733   | 25.104 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.298 | 152  | 1070346  | 21.558 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.469 | 138  | 131176   | 16.783 | ng/ul# | 83       |
| 52) Acenaphthene              | 14.640 | 153  | 693659   | 21.338 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.675 | 184  | 105276   | 23.166 | ng/ul# | 80       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 148510   | 20.948 | ng/ul# | 48       |
| 56) Dibenzofuran              | 14.975 | 168  | 1021590  | 21.352 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.934 | 165  | 275004   | 24.911 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 230381   | 22.135 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.392 | 149  | 905099   | 21.397 | ng/ul  | 94       |
| 61) Fluorene                  | 15.622 | 166  | 855432   | 21.707 | ng/ul  | 90       |
| 62) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 446983   | 21.332 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.634 | 138  | 139788   | 17.857 | ng/ul# | 78       |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 150663   | 20.744 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.828 | 169  | 755814   | 21.406 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.510 | 248  | 279468   | 20.932 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.634 | 284  | 319852   | 20.834 | ng/ul# | 90       |
| 70) Atrazine                  | 16.781 | 200  | 268316   | 18.411 | ng/ul  | 92       |
| 71) Pentachlorophenol         | 16.975 | 266  | 218272   | 21.004 | ng/ul# | 85       |
| 72) Phenanthrene              | 17.369 | 178  | 1413961  | 21.476 | ng/ul  | 98       |
| 74) Anthracene                | 17.463 | 178  | 1431800  | 21.450 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.381 | 216  | 362743   | 20.342 | ng/ul# | 85       |
| 76) Pentachlorobenzene        | 14.898 | 250  | 363394   | 20.907 | ng/ul  | 92       |
| 77) Carbazole                 | 17.728 | 167  | 1290502  | 21.393 | ng/ul# | 95       |
| 78) Di-n-butylphthalate       | 18.275 | 149  | 1608679  | 21.686 | ng/ul# | 93       |
| 80) Fluoranthene              | 19.328 | 202  | 1761089  | 21.086 | ng/ul  | 96       |
| 82) Pyrene                    | 19.680 | 202  | 1811633  | 21.394 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.551 | 149  | 771457   | 22.208 | ng/ul# | 79       |
| 84) 3,3'-Dichlorobenzidine    | 21.316 | 252  | 469558   | 16.586 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 1794895  | 21.311 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.310 | 149  | 1154156  | 22.089 | ng/ul# | 81       |
| 87) Chrysene                  | 21.445 | 228  | 1761569  | 21.678 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.251 | 149  | 1993448  | 22.506 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.110 | 252  | 1801384  | 21.447 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.157 | 252  | 1691788  | 22.073 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 23.751 | 252  | 1677849  | 21.550 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.421 | 276  | 1694614  | 20.814 | ng/ul# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.433 | 278  | 1450819  | 20.550 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 1426155  | 21.244 | ng/ul# | 92       |

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



**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTDCCC020

**Manual IntegrationsAPPROVED**

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Supervised By :Yogesh Patel 04/25/2022

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