

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052424\  
 Data File : BG061283.D  
 Acq On : 24 May 2024 11:46  
 Operator : MA/JU  
 Sample : P2548-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA\_G

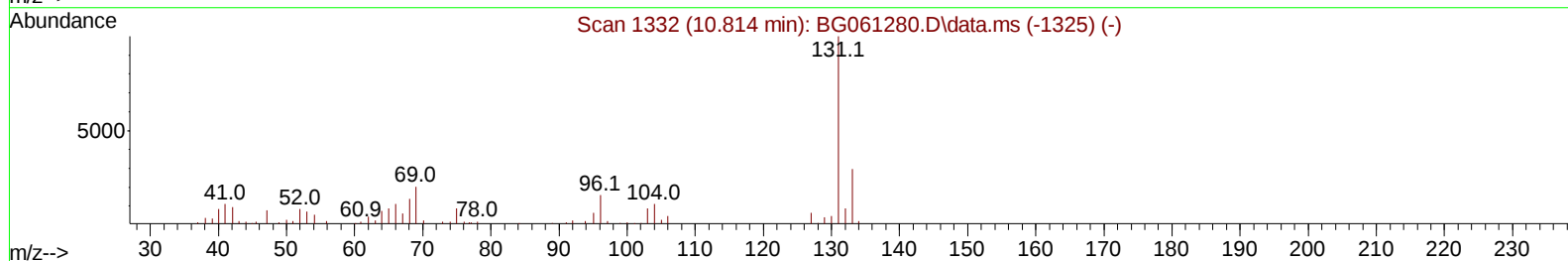
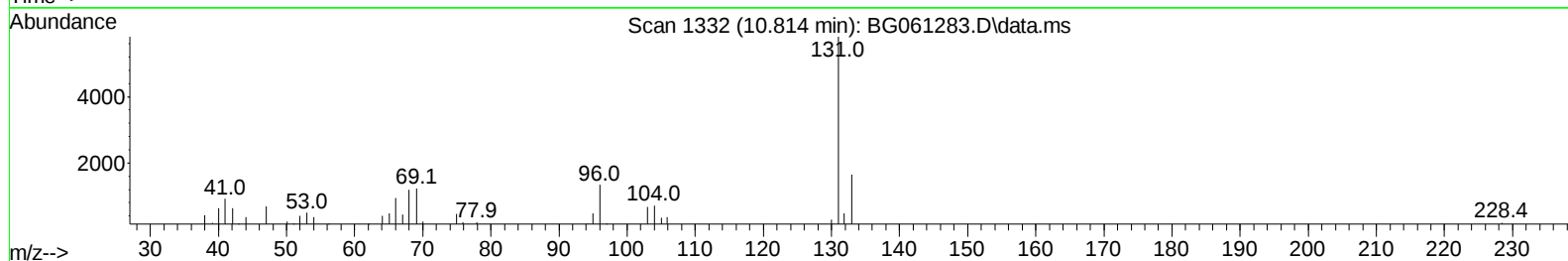
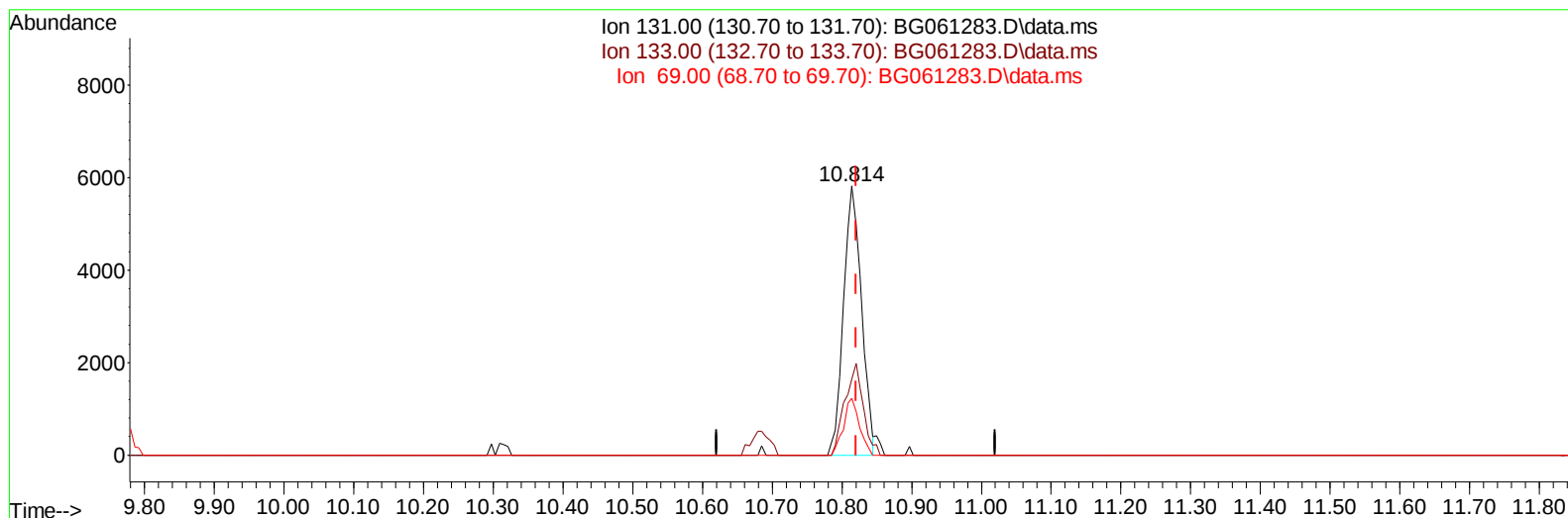
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 24 23:47:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 15:23:39 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
 Supervised By :mohammad ahmed 06/01/2024



TIC: BG061283.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

10.814min (-0.006) 4.73 ng/u1

response 10365

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 30.90  | 28.29  |
| 69.00  | 22.50  | 21.02  |
| 0.00   | 0.00   | 0.00   |

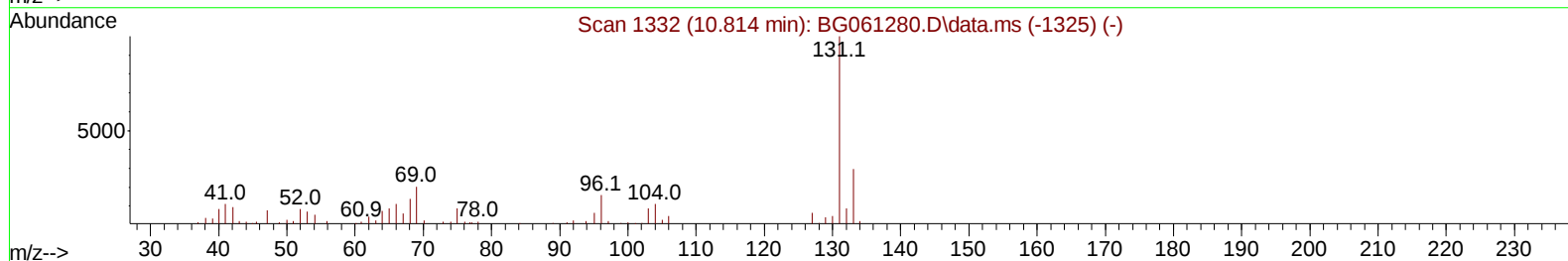
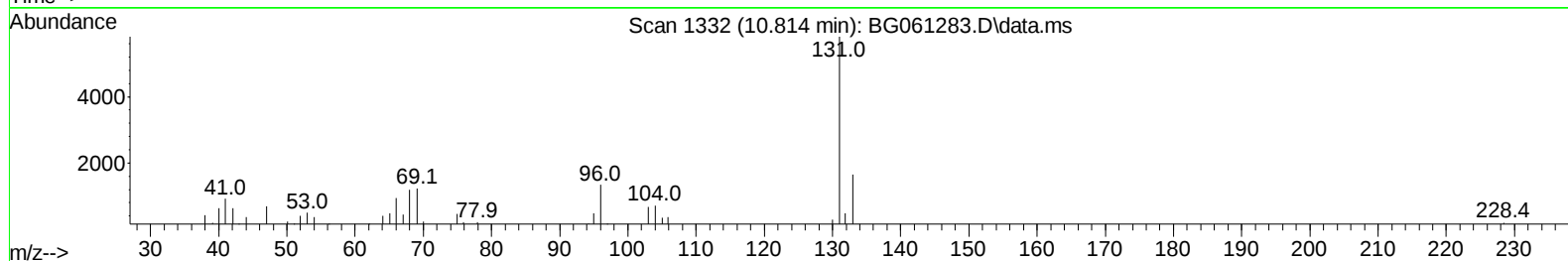
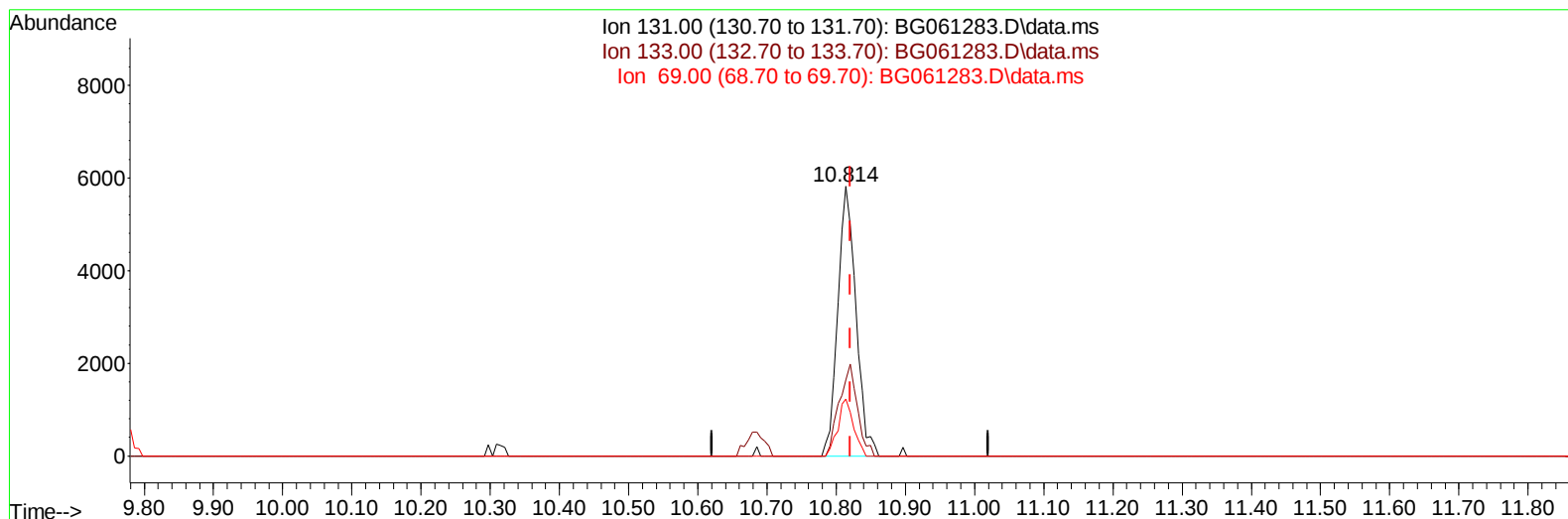
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052424\  
Data File : BG061283.D  
Acq On : 24 May 2024 11:46  
Operator : MA/JU  
Sample : P2548-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 24 23:47:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 15:23:39 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
Supervised By :mohammad ahmed 06/01/2024



TIC: BG061283.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.814min (-0.006) 4.84 ng/ul m**

**response 10603**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 30.90  | 28.29  |
| 69.00  | 22.50  | 21.02  |
| 0.00   | 0.00   | 0.00   |

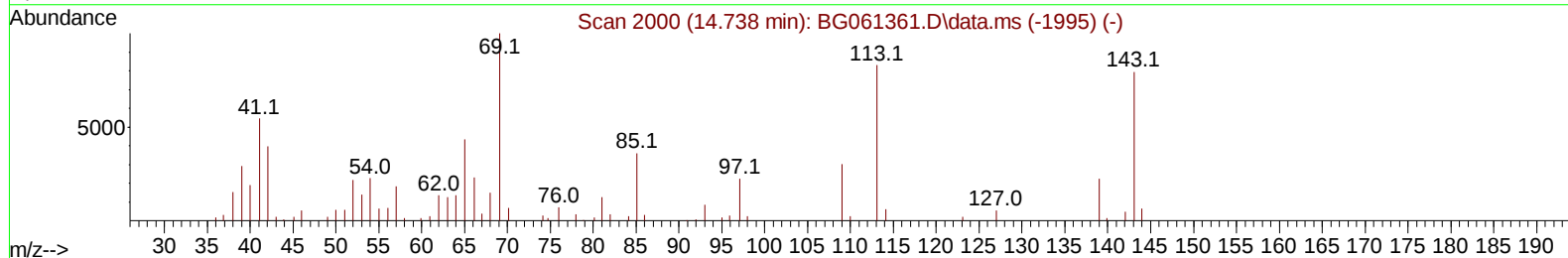
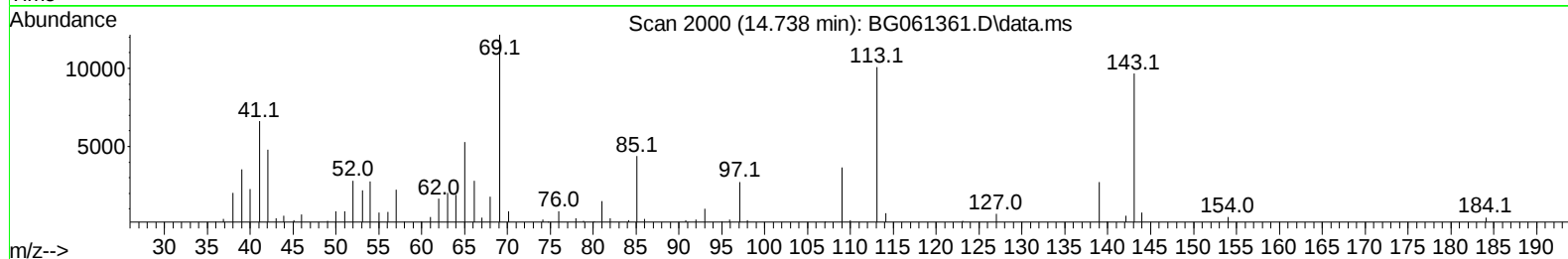
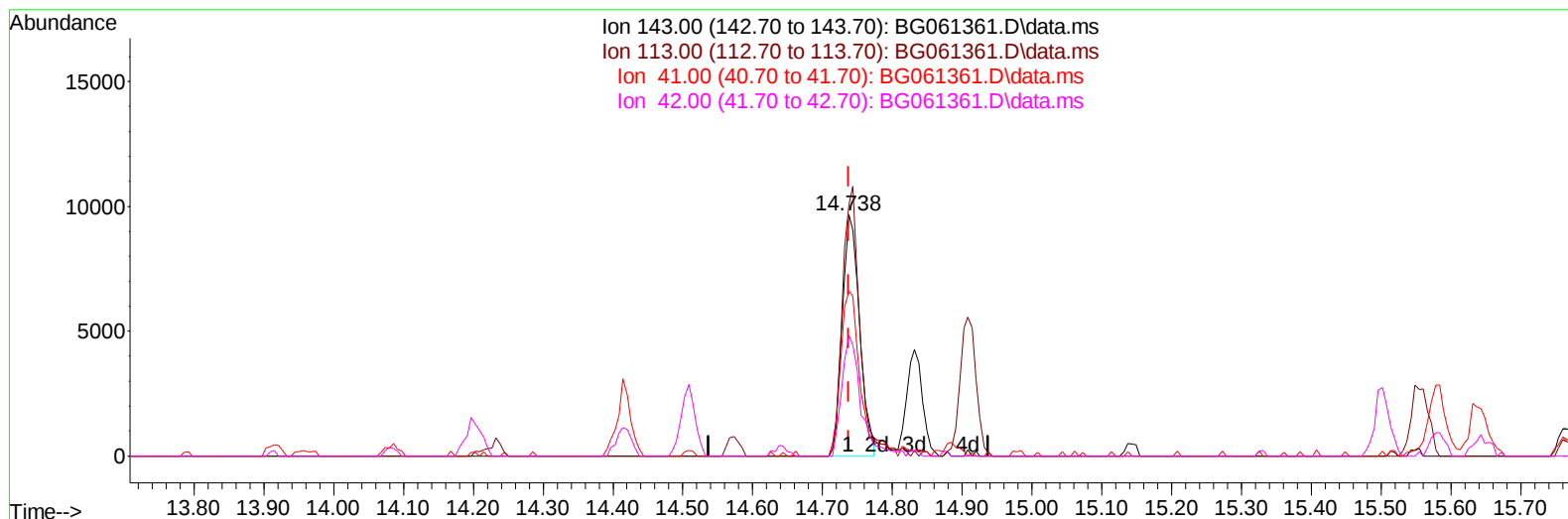
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
 Data File : BG061361.D  
 Acq On : 30 May 2024 15:49  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:55:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
 Supervised By :mohammad ahmed 06/01/2024



TIC: BG061361.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.738min ( 0.000) 18.07 ng/u1

response 16554

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 104.50 |
| 41.00  | 77.10  | 68.55  |
| 42.00  | 49.50  | 49.91  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
 Data File : BG061361.D  
 Acq On : 30 May 2024 15:49  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA\_G

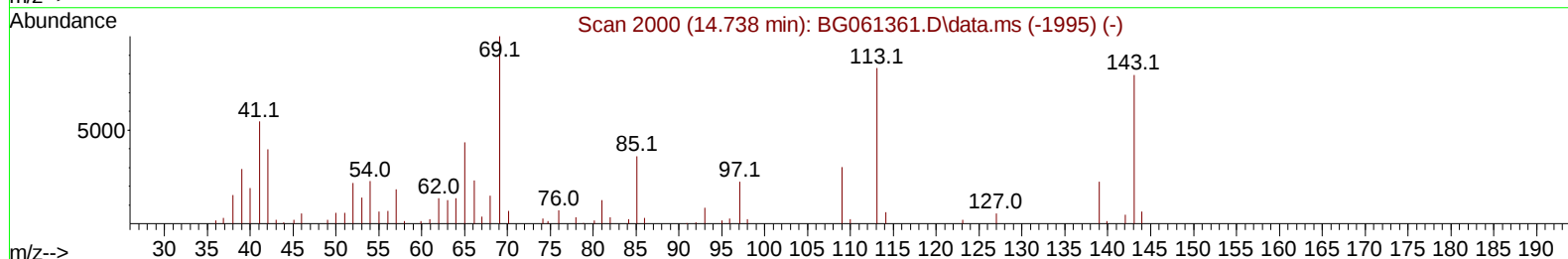
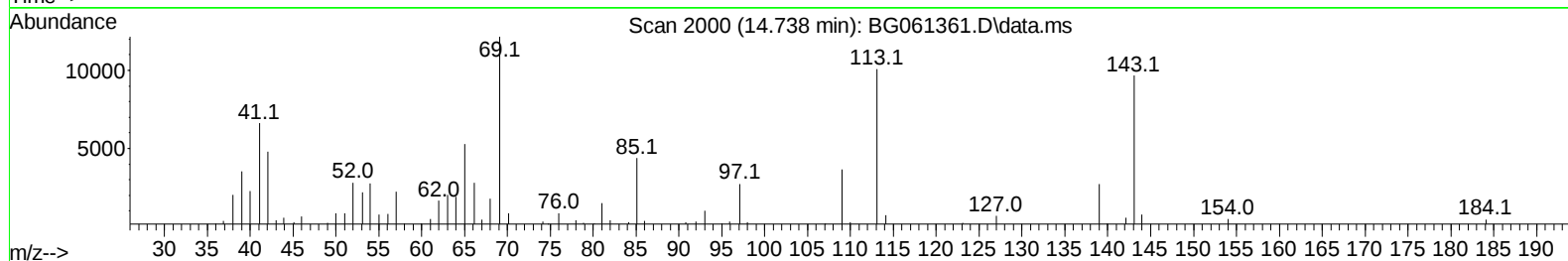
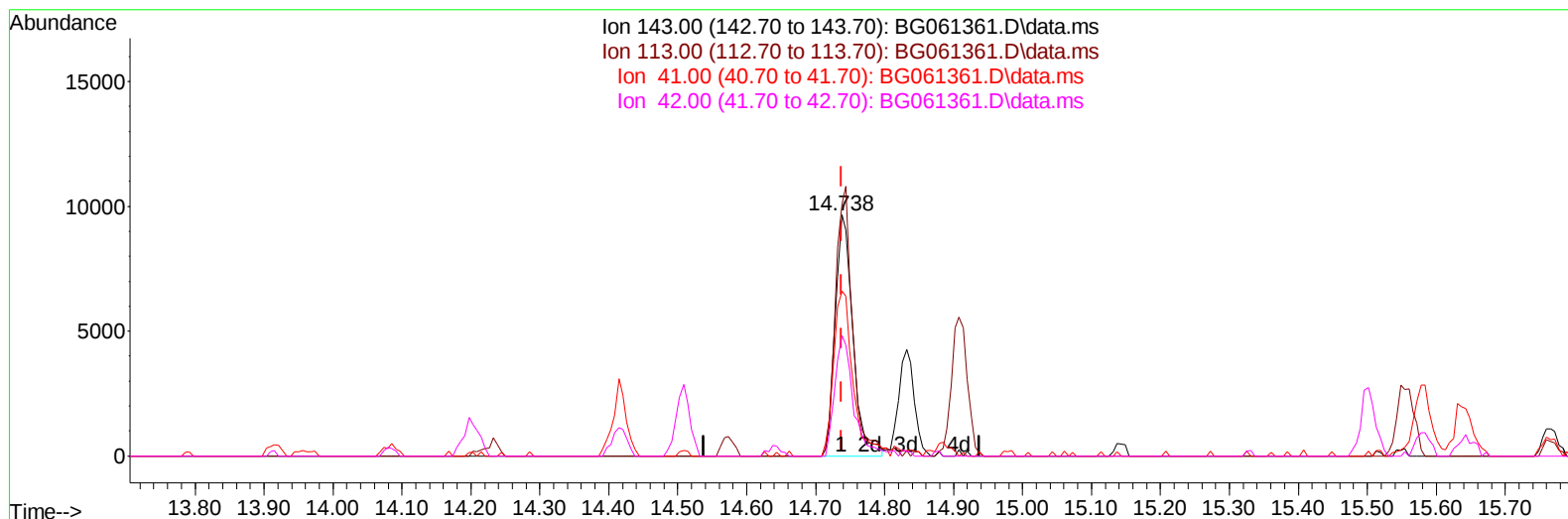
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:55:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
 Supervised By :mohammad ahmed 06/01/2024



TIC: BG061361.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

14.738min ( 0.000) 18.73 ng/ul m

response 17160

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 122.20 | 104.50 |
| 41.00  | 77.10  | 68.55  |
| 42.00  | 49.50  | 49.91  |

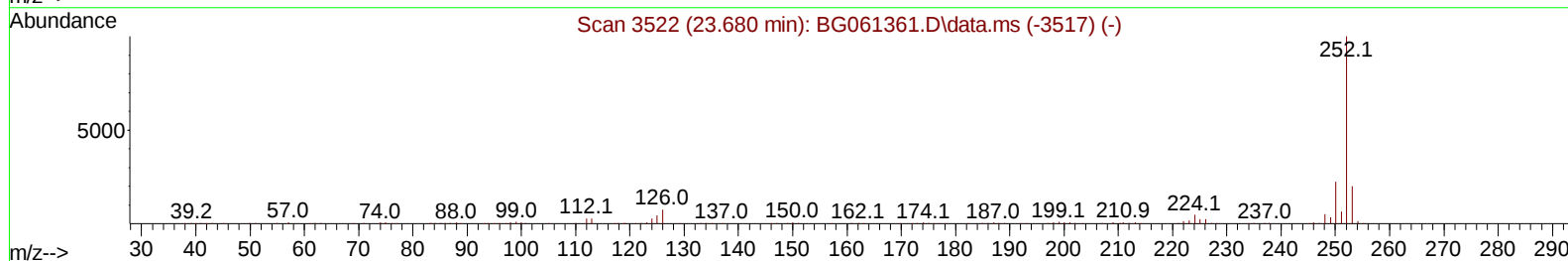
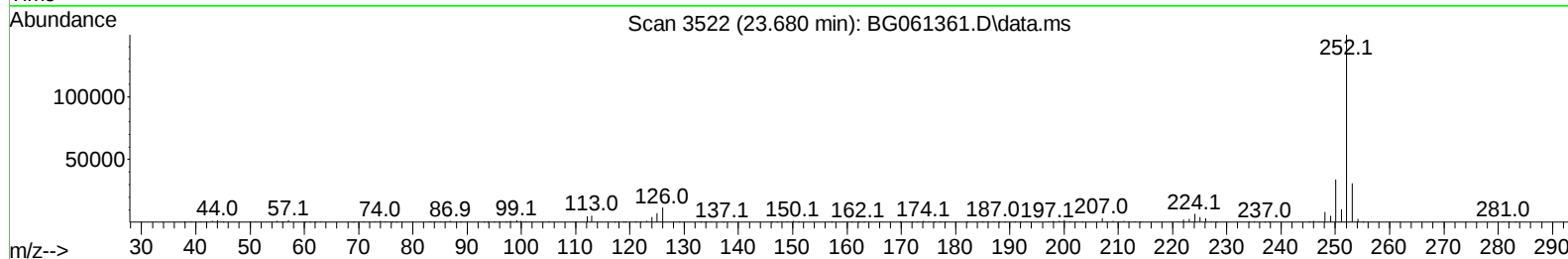
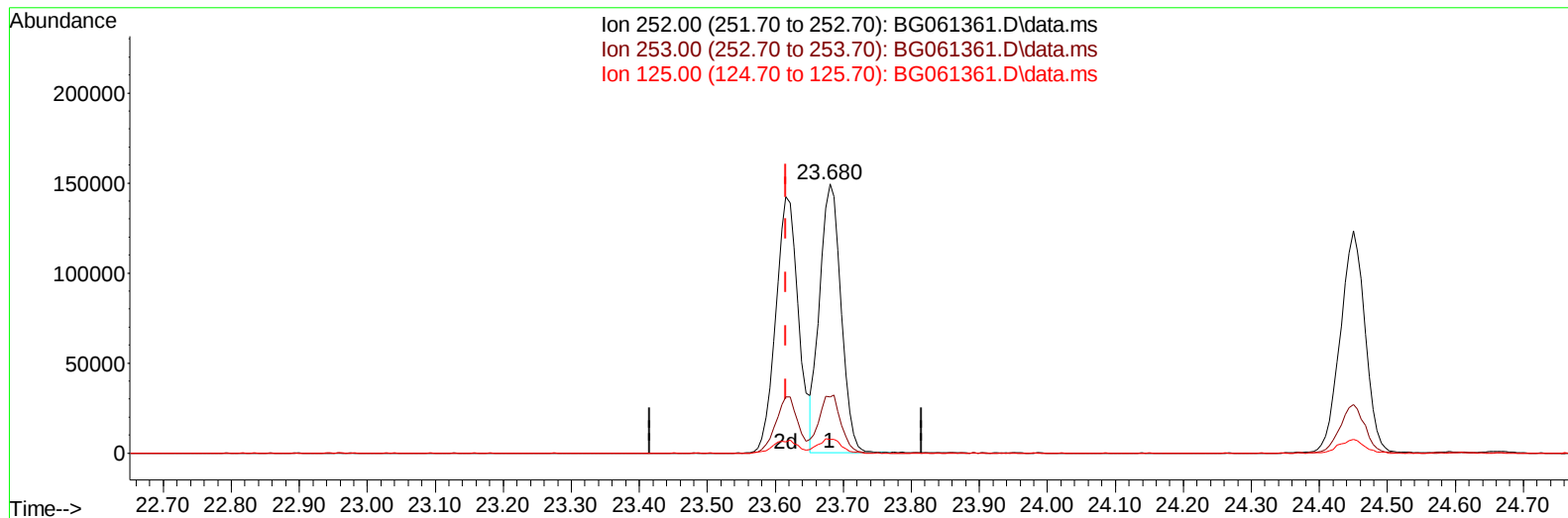
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
Data File : BG061361.D  
Acq On : 30 May 2024 15:49  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:55:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
Supervised By :mohammad ahmed 06/01/2024



TIC: BG061361.D\data.ms

**(90) Benzo(b)fluoranthene**

**23.680min (+ 0.065) 19.20 ng/u1**

**response 327088**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 20.91  |
| 125.00 | 5.70   | 4.99   |
| 0.00   | 0.00   | 0.00   |

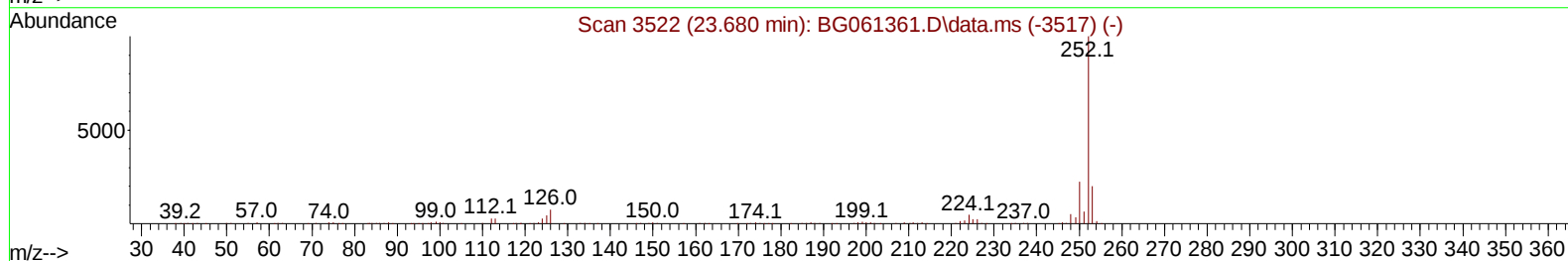
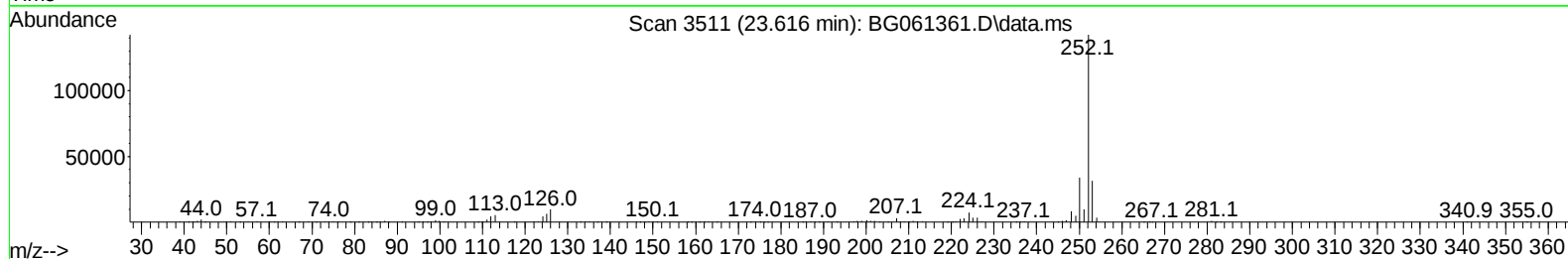
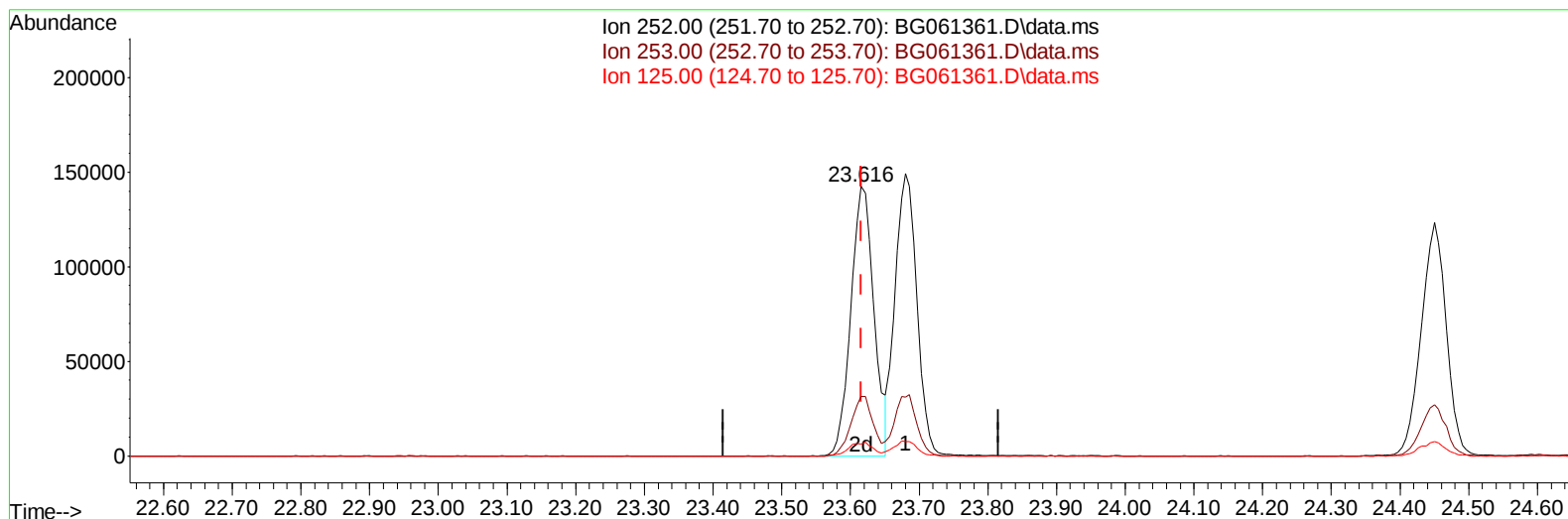
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
Data File : BG061361.D  
Acq On : 30 May 2024 15:49  
Operator : MA/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:55:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
Supervised By :mohammad ahmed 06/01/2024



TIC: BG061361.D\data.ms

(90) Benzo(b)fluoranthene

23.616min ( 0.000) 19.54 ng/ul m

response 332913

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 22.00  |
| 125.00 | 5.70   | 4.39#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
 Data File : BG061361.D  
 Acq On : 30 May 2024 15:49  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:59:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
 Supervised By :mohammad ahmed 06/01/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 32757    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.666 | 136  | 116406   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.509 | 164  | 95556    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.258 | 188  | 242063   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.512 | 240  | 254968   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.597 | 264  | 286144   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.333  | 96   | 4533     | 7.744  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.739  | 84   | 36392    | 17.476 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.053  | 99   | 46975    | 17.463 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.205  | 67   | 30453    | 18.011 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.411  | 132  | 37989    | 19.082 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.592  | 113  | 40374    | 17.602 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.027  | 128  | 18322    | 20.443 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.749  | 143  | 20381    | 19.431 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.302 | 165  | 40407    | 19.760 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.801 | 131  | 52064    | 19.461 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.915 | 166  | 140119   | 18.907 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.203 | 160  | 153093   | 19.870 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.738 | 143  | 17160m   | 18.728 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.501 | 176  | 123468   | 19.297 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.637 | 200  | 28446    | 19.430 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.358 | 188  | 212254   | 19.889 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.650 | 212  | 252684   | 19.301 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.385 | 264  | 271199   | 19.714 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.369  | 88   | 5157     | 7.340  | ng/uL  | 95       |
| 5) Pyridine                   | 3.756  | 79   | 39165    | 19.016 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.011  | 77   | 24873    | 17.683 | ng/ul  | 95       |
| 8) Phenol                     | 7.082  | 94   | 49043    | 17.893 | ng/ul  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.293  | 93   | 36871    | 18.391 | ng/ul  | 92       |
| 12) 2-Chlorophenol            | 7.440  | 128  | 40228    | 19.120 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.328  | 108  | 32676    | 15.383 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.398  | 45   | 83727    | 15.464 | ng/ul# | 97       |
| 16) Acetophenone              | 8.692  | 105  | 65577    | 16.752 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.674  | 70   | 37052    | 17.214 | ng/ul  | 88       |
| 18) 4-Methylphenol            | 8.651  | 108  | 41899    | 17.803 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.950  | 117  | 15122    | 16.154 | ng/ul  | 87       |
| 22) Nitrobenzene              | 9.074  | 77   | 46371    | 18.864 | ng/ul  | 94       |
| 23) Isophorone                | 9.591  | 82   | 91215    | 18.242 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.785  | 139  | 22488    | 19.752 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.849  | 107  | 43902    | 19.461 | ng/ul  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.078 | 93   | 48811    | 19.473 | ng/ul# | 97       |
| 29) 2,4-Dichlorophenol        | 10.325 | 162  | 38754    | 20.576 | ng/ul  | 93       |
| 30) Naphthalene               | 10.719 | 128  | 118655   | 19.312 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.825 | 127  | 50449    | 18.976 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.001 | 225  | 36681    | 19.925 | ng/ul  | 98       |
| 34) Caprolactam               | 11.583 | 113  | 14711    | 20.416 | ng/ul# | 77       |
| 35) 4-Chloro-3-methylphenol   | 11.970 | 107  | 44930    | 18.454 | ng/ul  | 93       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053024\  
 Data File : BG061361.D  
 Acq On : 30 May 2024 15:49  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: May 30 22:59:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/31/2024  
 Supervised By :mohammad ahmed 06/01/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.329 | 142  | 83762    | 18.799 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.546 | 142  | 85524    | 18.703 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.699 | 216  | 65482    | 20.756 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.675 | 237  | 29769    | 20.905 | ng/ul# | 91       |
| 41) 2,4,6-Trichlorophenol     | 12.946 | 196  | 36741    | 20.676 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.028 | 196  | 37788    | 20.193 | ng/ul# | 93       |
| 43) 1,1'-Biphenyl             | 13.339 | 154  | 124236   | 20.107 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.380 | 162  | 99347    | 20.431 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.592 | 65   | 38379    | 19.124 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.962 | 163  | 144532   | 18.711 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.086 | 165  | 30275    | 19.986 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.232 | 152  | 169899   | 19.885 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.415 | 138  | 26206    | 19.935 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.573 | 153  | 112697   | 20.108 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.644 | 184  | 20140    | 25.072 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.755 | 109  | 19703    | 18.290 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.908 | 168  | 158472   | 19.775 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.885 | 165  | 44958    | 19.508 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.143 | 232  | 35607    | 20.862 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.331 | 149  | 142838   | 18.726 | ng/ul  | 98       |
| 61) Fluorene                  | 15.560 | 166  | 136949   | 19.751 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.548 | 204  | 77993    | 19.180 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.578 | 138  | 27683    | 20.219 | ng/ul  | 85       |
| 66) 4,6-Dinitro-2-methylph... | 15.654 | 198  | 29543    | 19.255 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.766 | 169  | 120807   | 19.856 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.447 | 248  | 58234    | 20.304 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.571 | 284  | 63293    | 19.854 | ng/ul  | 98       |
| 70) Atrazine                  | 16.718 | 200  | 47740    | 19.828 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.923 | 266  | 26018    | 23.449 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.299 | 178  | 231134   | 19.673 | ng/ul  | 99       |
| 74) Anthracene                | 17.393 | 178  | 238970   | 19.672 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.304 | 216  | 66375    | 20.744 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 14.832 | 250  | 69586    | 19.670 | ng/uL  | 93       |
| 77) Carbazole                 | 17.664 | 167  | 198921   | 20.133 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.222 | 149  | 246909   | 19.944 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.315 | 202  | 306593   | 19.522 | ng/ul  | 99       |
| 82) Pyrene                    | 19.679 | 202  | 313076   | 19.205 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.572 | 149  | 110242   | 19.686 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.412 | 252  | 113611   | 20.992 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.494 | 228  | 341583   | 19.416 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.406 | 149  | 159416   | 19.231 | ng/ul  | 99       |
| 87) Chrysene                  | 21.553 | 228  | 315101   | 19.452 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.564 | 149  | 273698   | 19.119 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.616 | 252  | 332913m  | 19.541 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.680 | 252  | 327088   | 18.912 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.450 | 252  | 312060   | 19.290 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.093 | 276  | 380311   | 19.440 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.140 | 278  | 312104   | 19.348 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.174 | 276  | 302146   | 19.414 | ng/ul# | 97       |

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

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

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 05/31/2024  
Supervised By :mohammad ahmed 06/01/2024

