

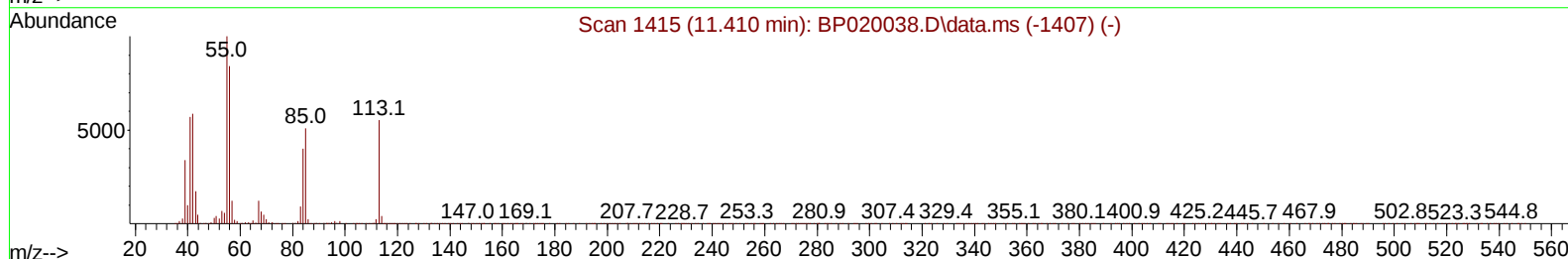
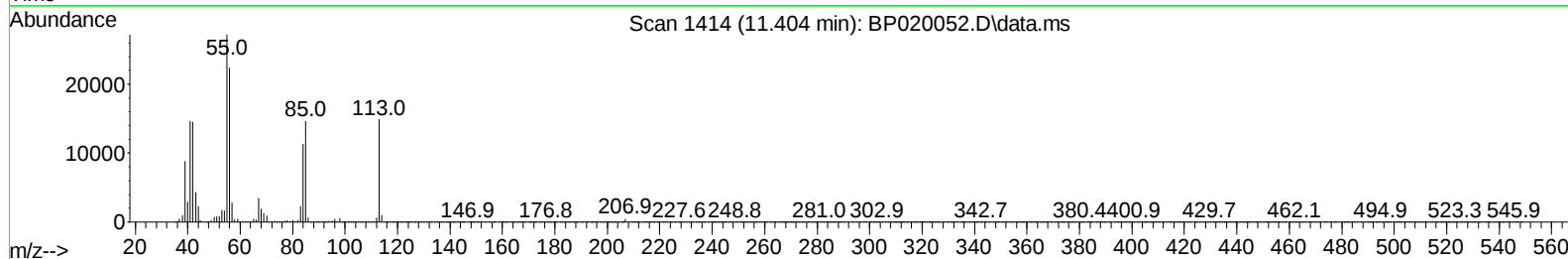
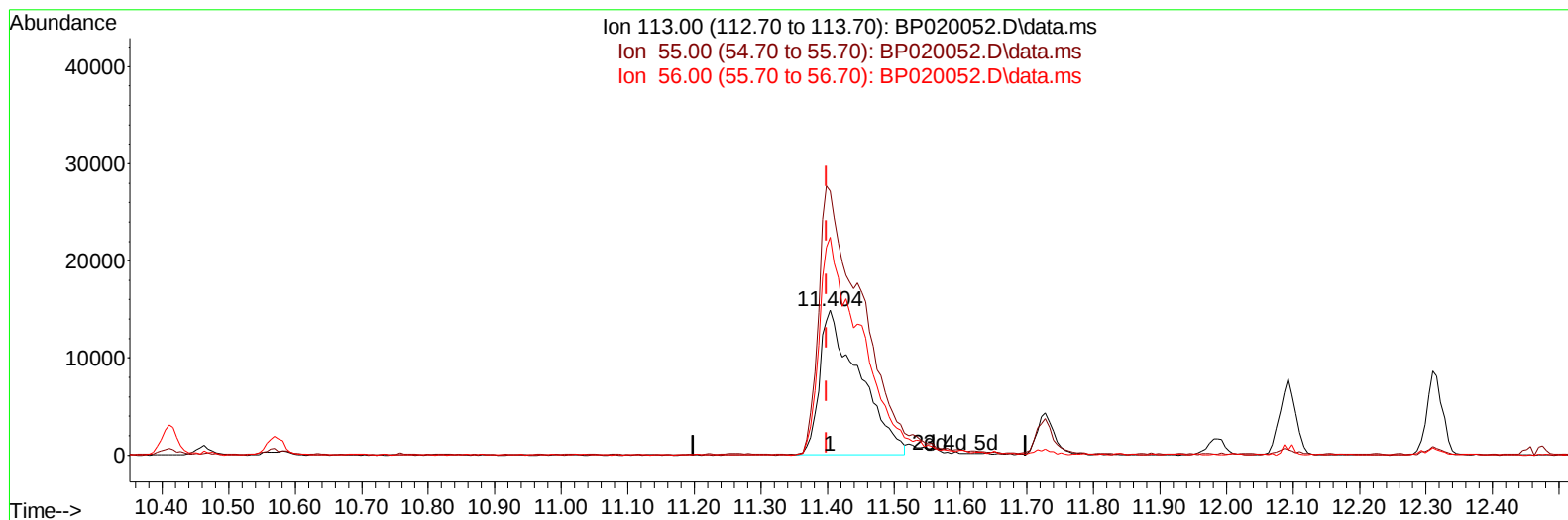
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042024\  
 Data File : BP020052.D  
 Acq On : 20 Apr 2024 20:58  
 Operator : MA/JU  
 Sample : PB160384BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS384

Manual IntegrationsAPPROVED

Quant Time: Apr 21 23:45:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 20 01:32:50 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

**(34) Caprolactam**

**11.404min (+ 0.006) 38.66 ng/ul**

**response 62232**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 175.60 | 182.46 |
| 56.00  | 142.20 | 150.45 |
| 0.00   | 0.00   | 0.00   |

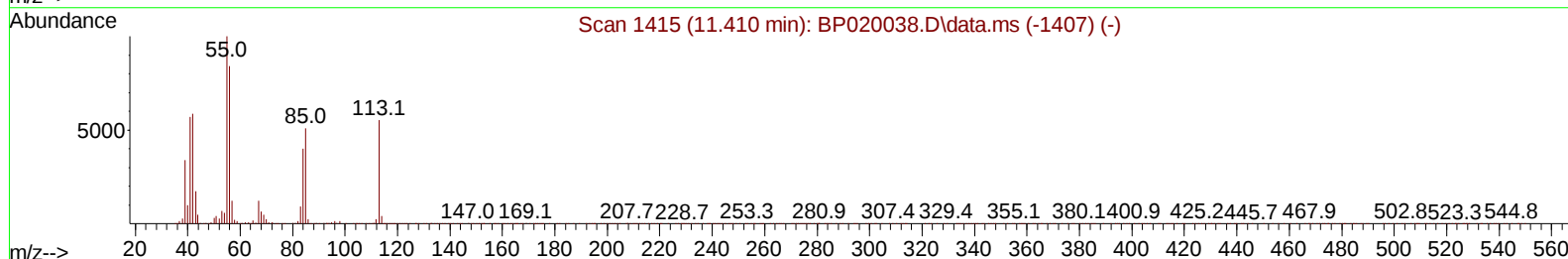
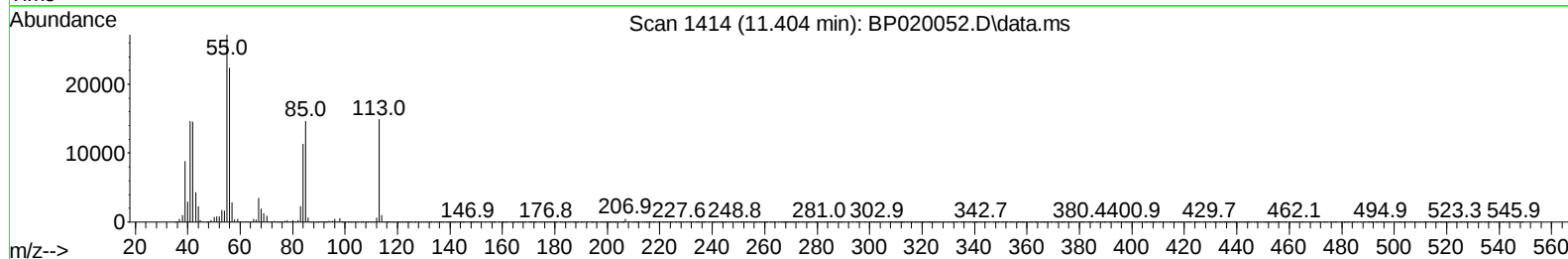
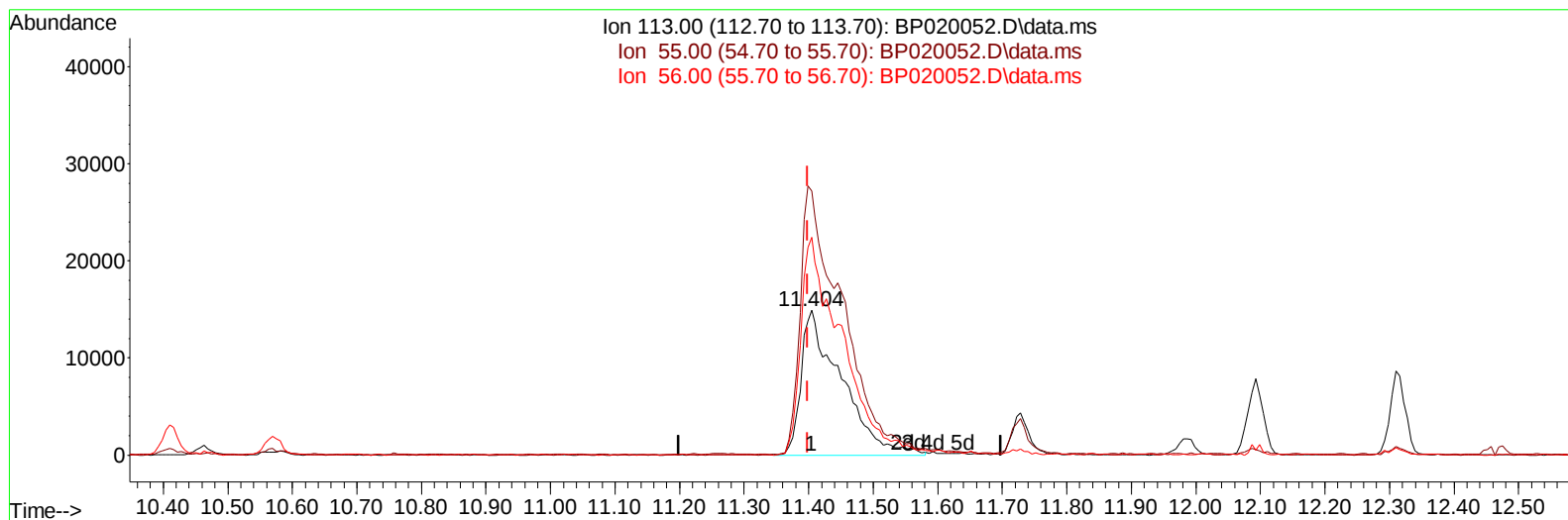
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Manual IntegrationsAPPROVED

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 QLast Update : Sat Apr 20 01:32:50 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

(34) Caprolactam

11.404min (+ 0.006) 40.30 ng/ul m

response 64871

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 175.60 | 182.46 |
| 56.00  | 142.20 | 150.45 |
| 0.00   | 0.00   | 0.00   |

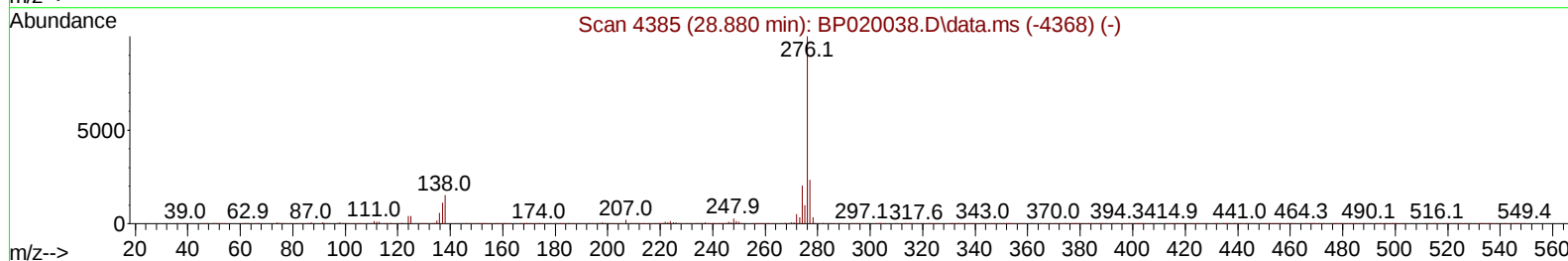
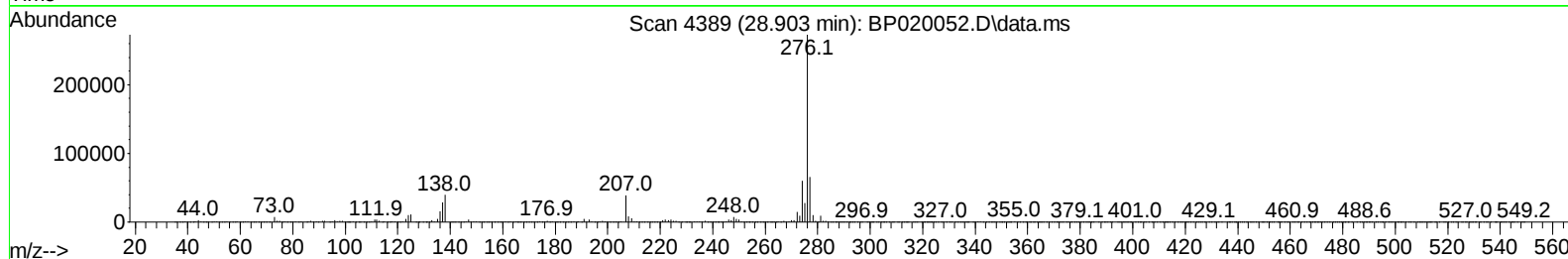
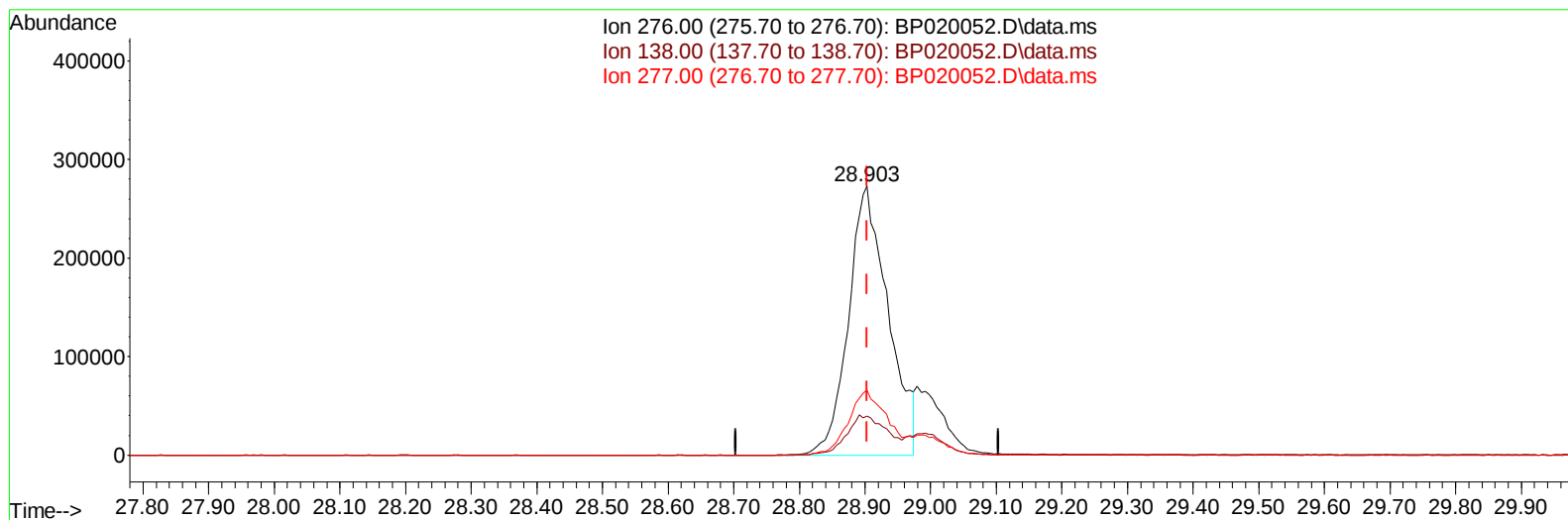
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Data File : BP020052.D  
Acq On : 20 Apr 2024 20:58  
Operator : MA/JU  
Sample : PB160384BS  
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Instrument :  
BNA\_P  
ClientSampleId :  
SLCS384

Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION  
QLast Update : Sat Apr 20 01:32:50 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

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

**28.903min (-0.000) 32.01 ng/u1**

**response 1146015**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.60  | 14.47  |
| 277.00 | 23.30  | 24.17  |
| 0.00   | 0.00   | 0.00   |

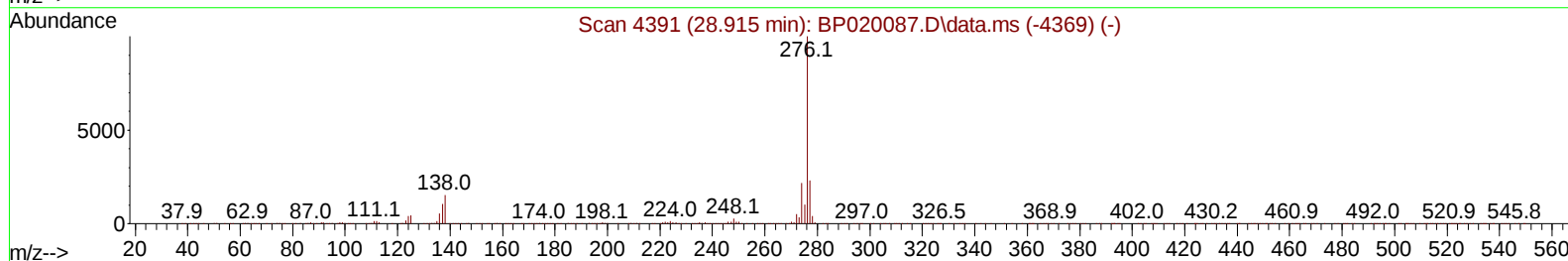
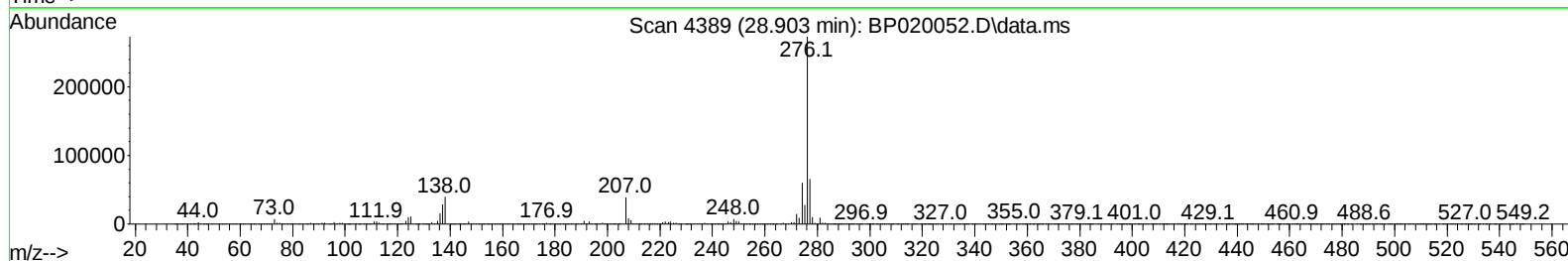
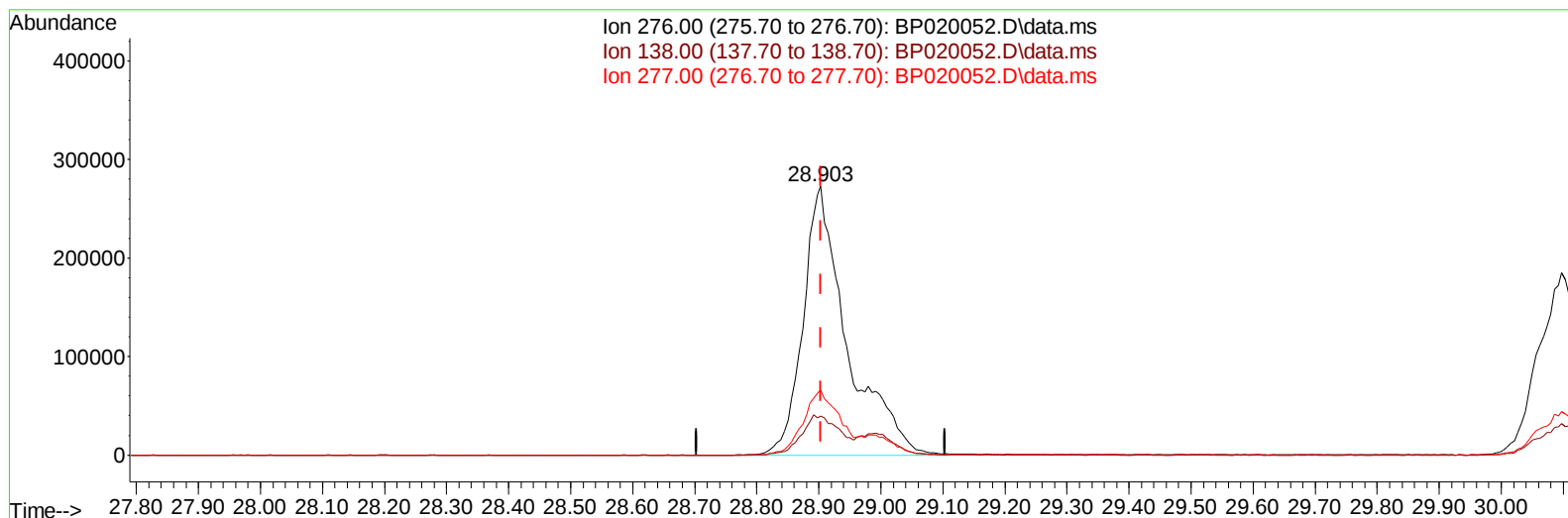
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042024\  
Data File : BP020052.D  
Acq On : 20 Apr 2024 20:58  
Operator : MA/JU  
Sample : PB160384BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SLCS384

Manual IntegrationsAPPROVED

Quant Time: Apr 22 00:22:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Apr 20 01:32:50 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

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

28.903min (-0.000) 37.61 ng/ul m

response 1346240

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.60  | 14.47  |
| 277.00 | 23.30  | 24.17  |
| 0.00   | 0.00   | 0.00   |

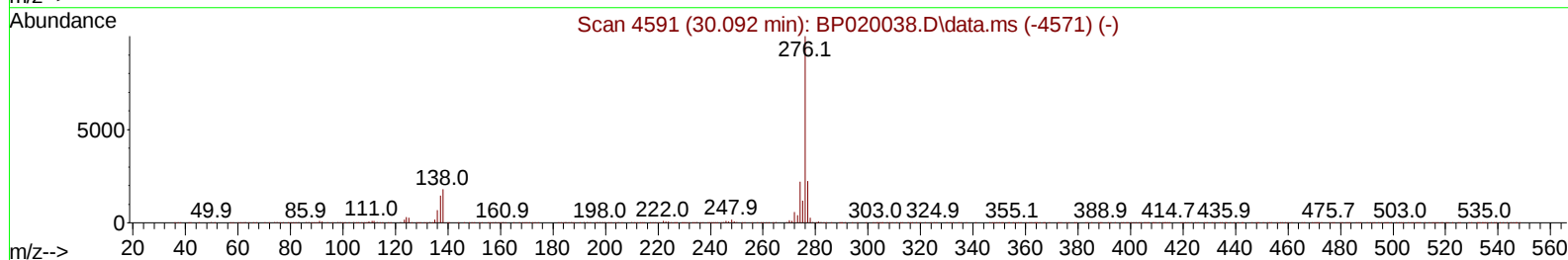
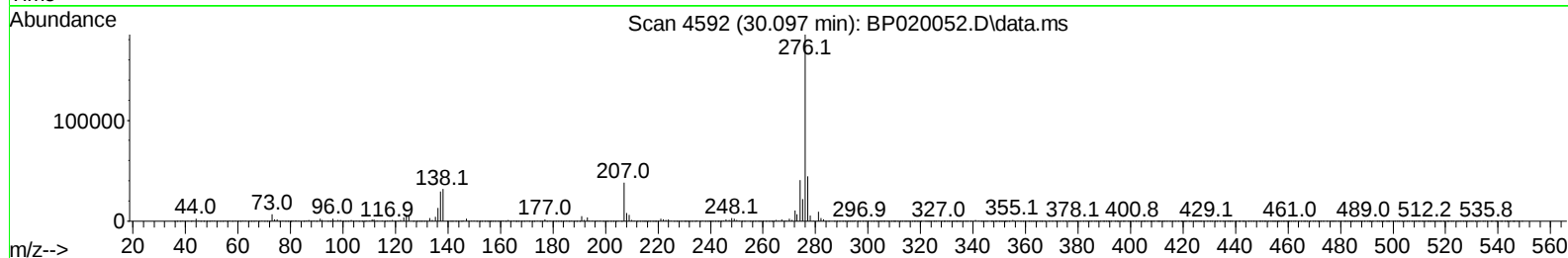
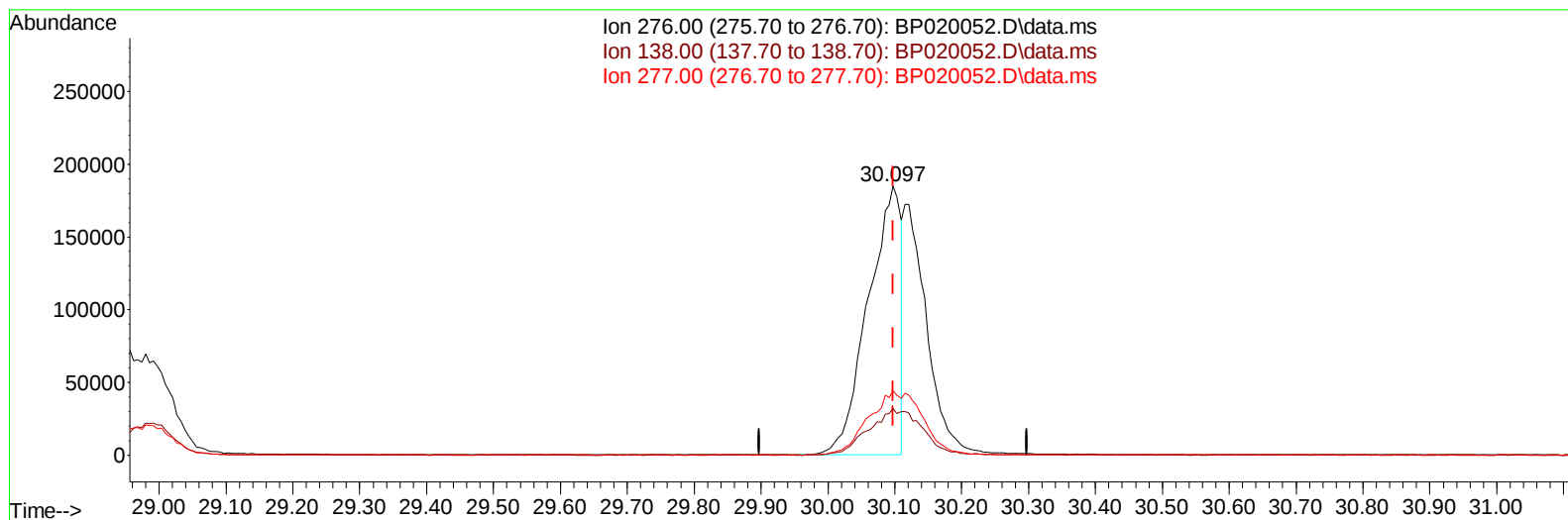
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042024\  
Data File : BP020052.D  
Acq On : 20 Apr 2024 20:58  
Operator : MA/JU  
Sample : PB160384BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SLCS384

Manual IntegrationsAPPROVED

Quant Time: Apr 21 23:45:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
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QLast Update : Sat Apr 20 01:32:50 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

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

**30.097min (-0.000) 21.78 ng/u1**

**response 623657**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.90  | 17.26  |
| 277.00 | 24.30  | 23.96  |
| 0.00   | 0.00   | 0.00   |

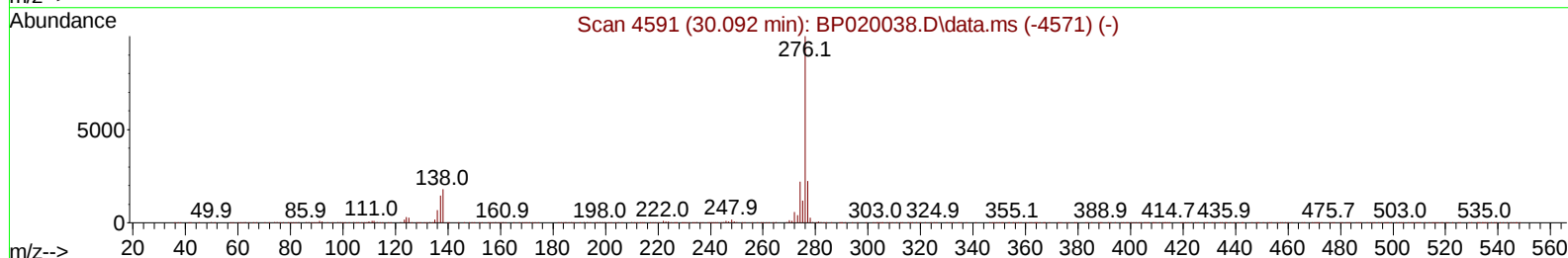
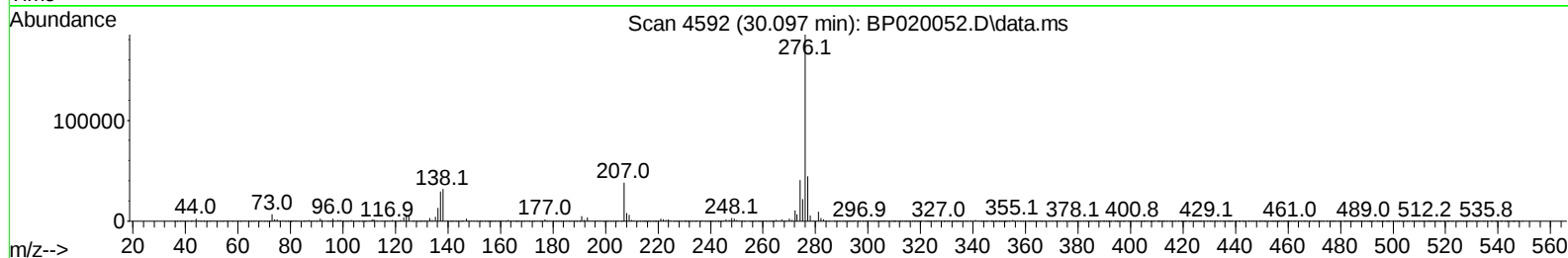
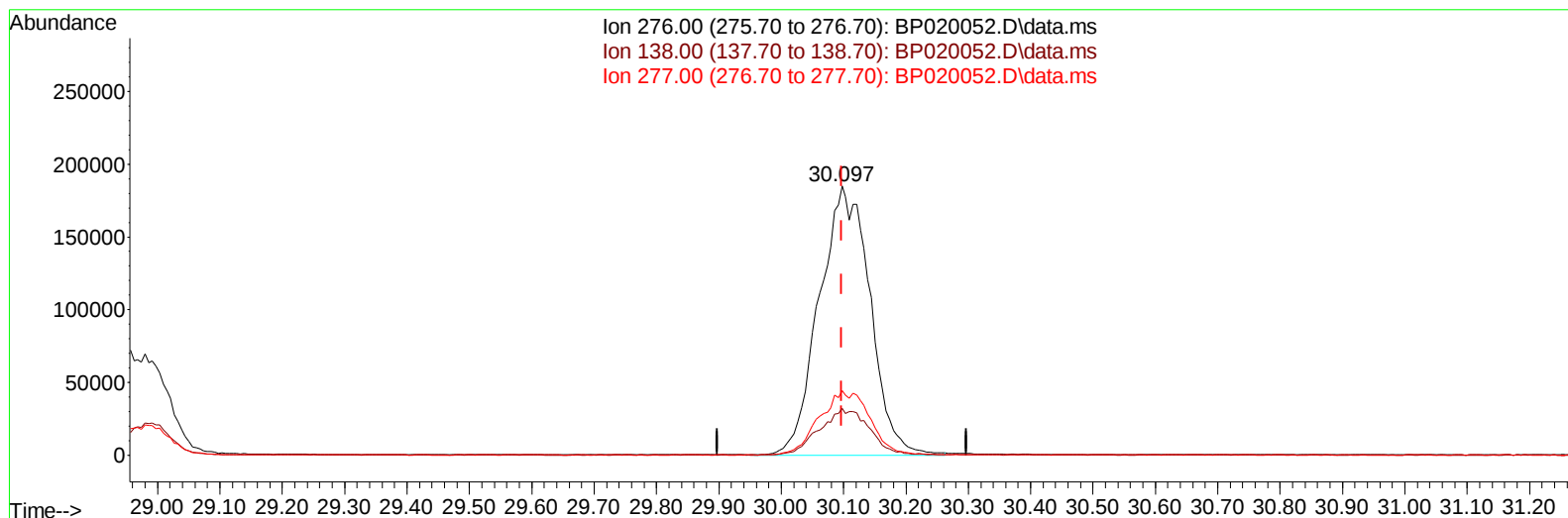
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042024\  
Data File : BP020052.D  
Acq On : 20 Apr 2024 20:58  
Operator : MA/JU  
Sample : PB160384BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SLCS384

Manual IntegrationsAPPROVED

Quant Time: Apr 21 23:45:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Apr 20 01:32:50 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/30/2024



TIC: BP020052.D\data.ms

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

**30.097min (-0.000) 36.45 ng/u1 m**

**response 1043525**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.90  | 17.26  |
| 277.00 | 24.30  | 23.96  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042024\  
 Data File : BP020052.D  
 Acq On : 20 Apr 2024 20:58  
 Operator : MA/JU  
 Sample : PB160384BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS384

Manual IntegrationsAPPROVED

Quant Time: Apr 22 00:22:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 83575    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 341965   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.316 | 164  | 226825   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.157 | 188  | 489834   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.657 | 240  | 486143   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.045 | 264  | 531571   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 18245    | 8.945  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 176115   | 29.334 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.822  | 99   | 267166   | 36.679 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 180842   | 35.520 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 188753   | 37.953 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.346  | 113  | 205872   | 36.183 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 95263    | 38.727 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 106789   | 40.163 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 200624   | 38.034 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.569 | 131  | 205314   | 29.157 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.734 | 166  | 603331   | 38.920 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 677301   | 36.658 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 101079   | 42.834 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.339 | 176  | 513016   | 37.178 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 200  | 109017   | 38.096 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.263 | 188  | 810849   | 36.949 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.669 | 212  | 1000127  | 38.281 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.815 | 264  | 1003403  | 38.641 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.264  | 88   | 28099    | 12.255 | ng/uL  | 94       |
| 5) Pyridine                   | 3.646  | 79   | 209684   | 33.732 | ng/ul  | 99       |
| 6) Benzaldehyde               | 6.810  | 77   | 164437   | 37.764 | ng/ul  | 100      |
| 8) Phenol                     | 6.846  | 94   | 277959   | 36.213 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.081  | 93   | 212631   | 33.926 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.205  | 128  | 195924   | 37.387 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.081  | 108  | 196519   | 34.936 | ng/ul  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.163  | 45   | 309782   | 33.817 | ng/ul  | 98       |
| 16) Acetophenone              | 8.463  | 105  | 337649   | 34.643 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.446  | 70   | 194460   | 34.155 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.410  | 108  | 216959   | 36.246 | ng/ul  | 100      |
| 19) Hexachloroethane          | 8.687  | 117  | 92759    | 35.962 | ng/ul  | 93       |
| 22) Nitrobenzene              | 8.840  | 77   | 290671   | 36.260 | ng/ul  | 99       |
| 23) Isophorone                | 9.363  | 82   | 520497   | 34.983 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 111837   | 39.488 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 223354   | 32.967 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.846  | 93   | 286885   | 34.388 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 195322   | 38.028 | ng/ul  | 99       |
| 30) Naphthalene               | 10.463 | 128  | 625012   | 35.245 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.593 | 127  | 223516   | 31.994 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.728 | 225  | 146437   | 34.672 | ng/ul  | 98       |
| 34) Caprolactam               | 11.404 | 113  | 64871m   | 40.299 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.728 | 107  | 232636   | 37.779 | ng/ul  | 99       |

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 ClientSampleId :  
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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.092 | 142  | 434478   | 35.489 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.316 | 142  | 432500   | 35.574 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 261275   | 35.345 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 118819   | 27.901 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.722 | 196  | 164600   | 37.162 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.804 | 196  | 177862   | 38.631 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.134 | 154  | 579779   | 35.653 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 460985   | 35.485 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.398 | 65   | 174987   | 41.460 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.781 | 163  | 581816   | 36.551 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 117728   | 39.194 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.034 | 152  | 722013   | 34.667 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.245 | 138  | 113924   | 40.071 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.381 | 153  | 471958   | 34.378 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.475 | 184  | 72791    | 40.300 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.575 | 109  | 109652   | 40.785 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.734 | 168  | 686040   | 36.194 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.728 | 165  | 175624   | 41.302 | ng/ul# | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 155662   | 39.041 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.181 | 149  | 590169   | 36.921 | ng/ul  | 98       |
| 61) Fluorene                  | 15.398 | 166  | 564751   | 36.060 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 300838   | 35.355 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.451 | 138  | 110907   | 43.937 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 114634   | 38.541 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.628 | 169  | 484957   | 35.792 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.328 | 248  | 184883   | 34.415 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.428 | 284  | 205948   | 35.414 | ng/ul  | 99       |
| 70) Atrazine                  | 16.628 | 200  | 138797   | 27.895 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.798 | 266  | 127627   | 36.209 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.198 | 178  | 908990   | 35.739 | ng/ul  | 100      |
| 74) Anthracene                | 17.304 | 178  | 893553   | 34.447 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.087 | 216  | 263255   | 33.899 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.639 | 250  | 244764   | 33.494 | ng/uL  | 100      |
| 77) Carbazole                 | 17.598 | 167  | 837966   | 37.699 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.198 | 149  | 989518   | 36.898 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.322 | 202  | 1100813  | 35.839 | ng/ul  | 100      |
| 82) Pyrene                    | 19.698 | 202  | 1187738  | 37.167 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.669 | 149  | 477541   | 39.193 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.574 | 252  | 388924   | 36.180 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 1238862  | 36.841 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.592 | 149  | 694586   | 36.978 | ng/ul  | 100      |
| 87) Chrysene                  | 21.710 | 228  | 1160223  | 36.637 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.904 | 149  | 1194079  | 36.345 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.974 | 252  | 1205667  | 37.634 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.051 | 252  | 1197043  | 36.447 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.892 | 252  | 1019825  | 33.034 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.903 | 276  | 1346240m | 37.607 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.992 | 278  | 1095107  | 37.545 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.097 | 276  | 1043525m | 36.445 | ng/ul  |          |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

SLCS384

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/30/2024

