Quantitation Report (Qedit)

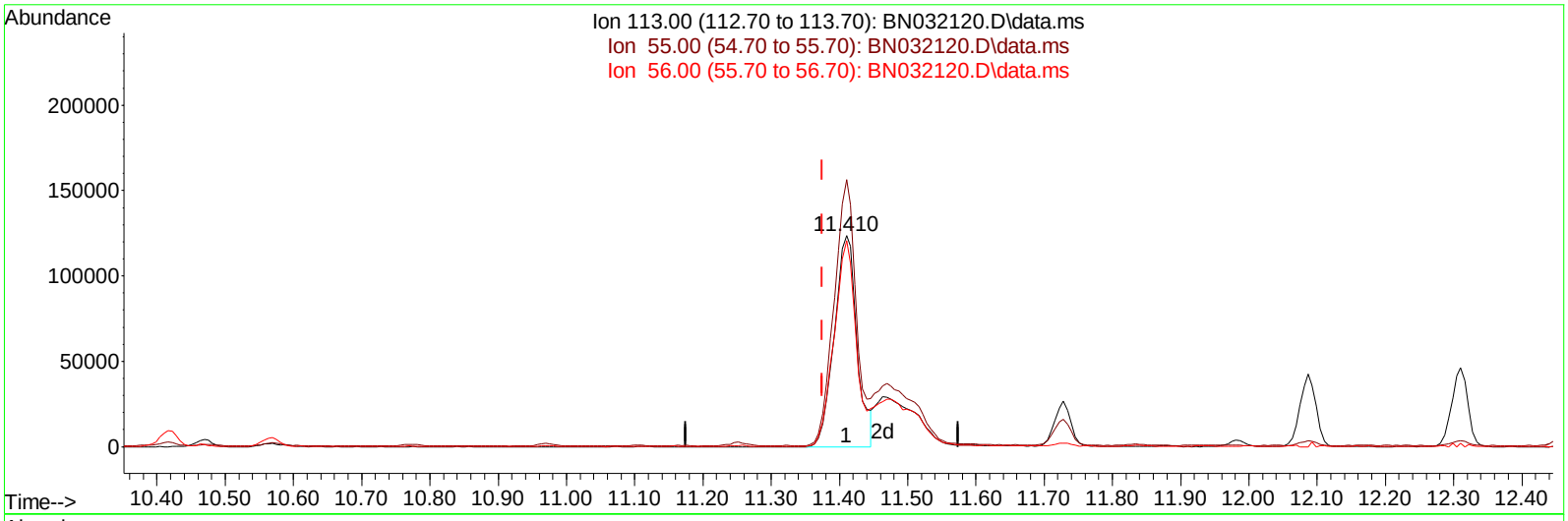
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

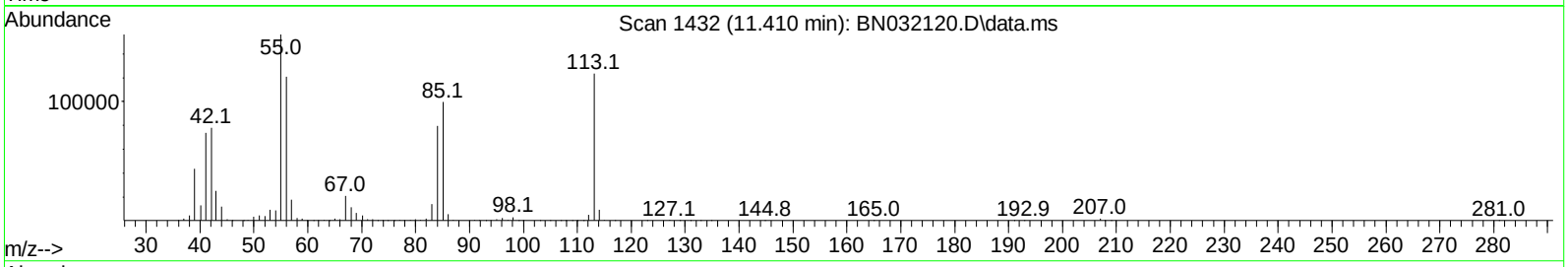
Quant Time: Jun 21 07:37:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

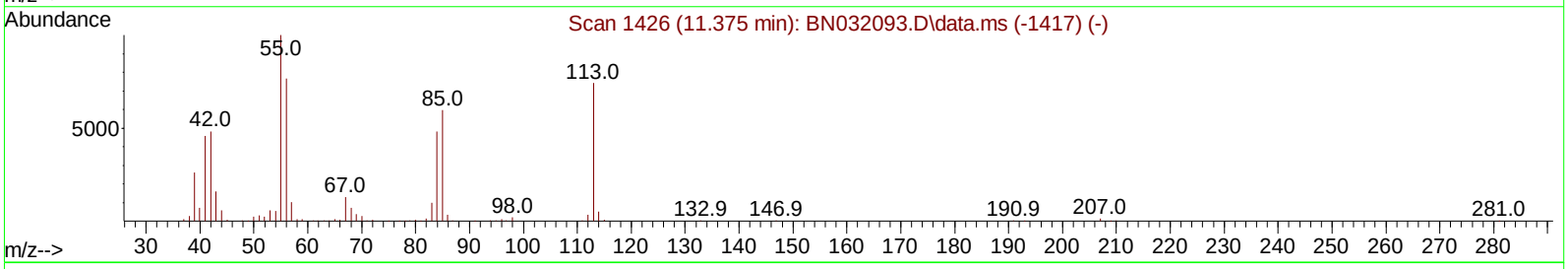
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

**(34) Caprolactam**

**11.410min (+ 0.036) 26.03 ng/ul**

**response 283833**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 126.31 |
| 56.00 | 111.70 | 97.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
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Acq On : 21 Jun 2024 07:06
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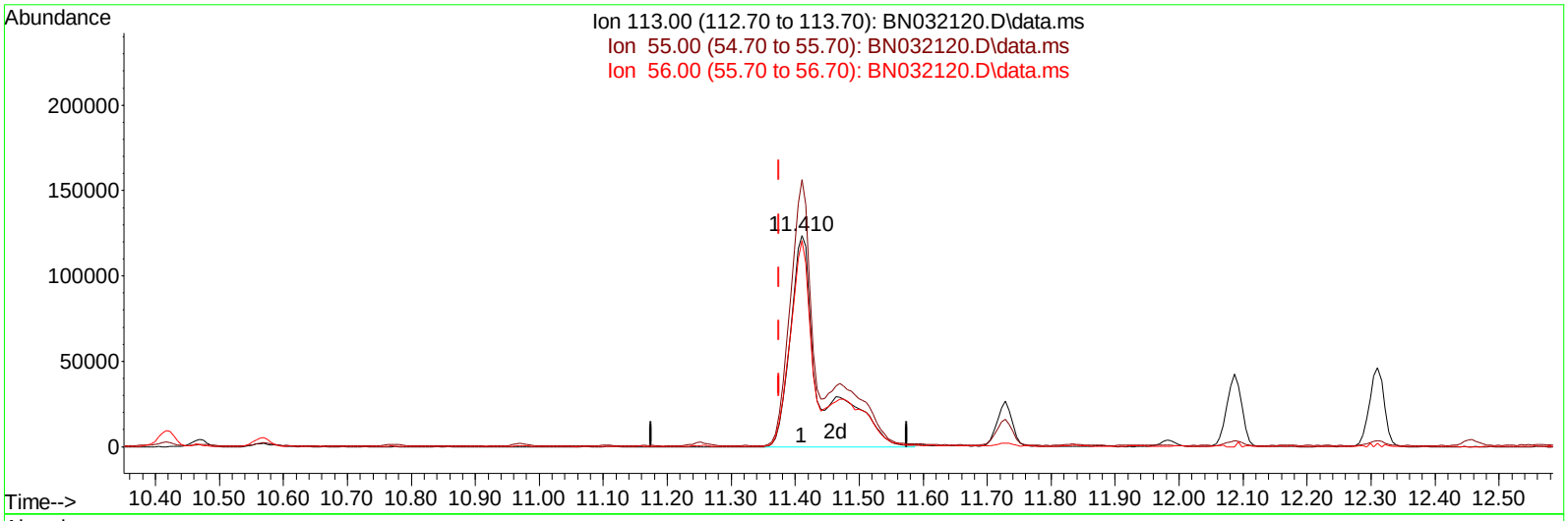
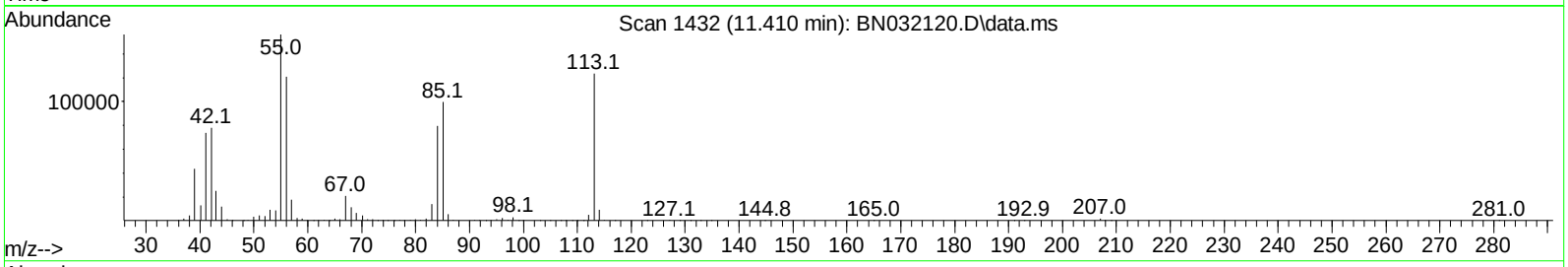
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

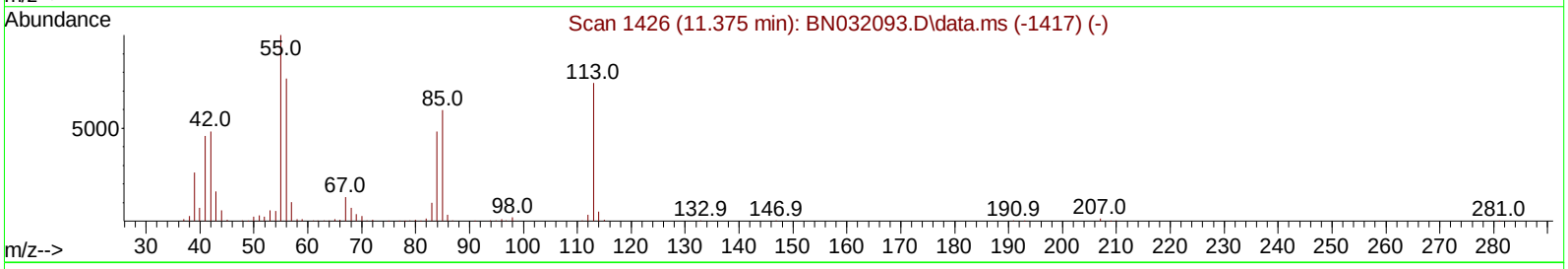
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

**(34) Caprolactam**

**11.410min (+ 0.036) 37.18 ng/ul m**

**response 405437**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 126.31 |
| 56.00 | 111.70 | 97.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 21 07:37:50 2024
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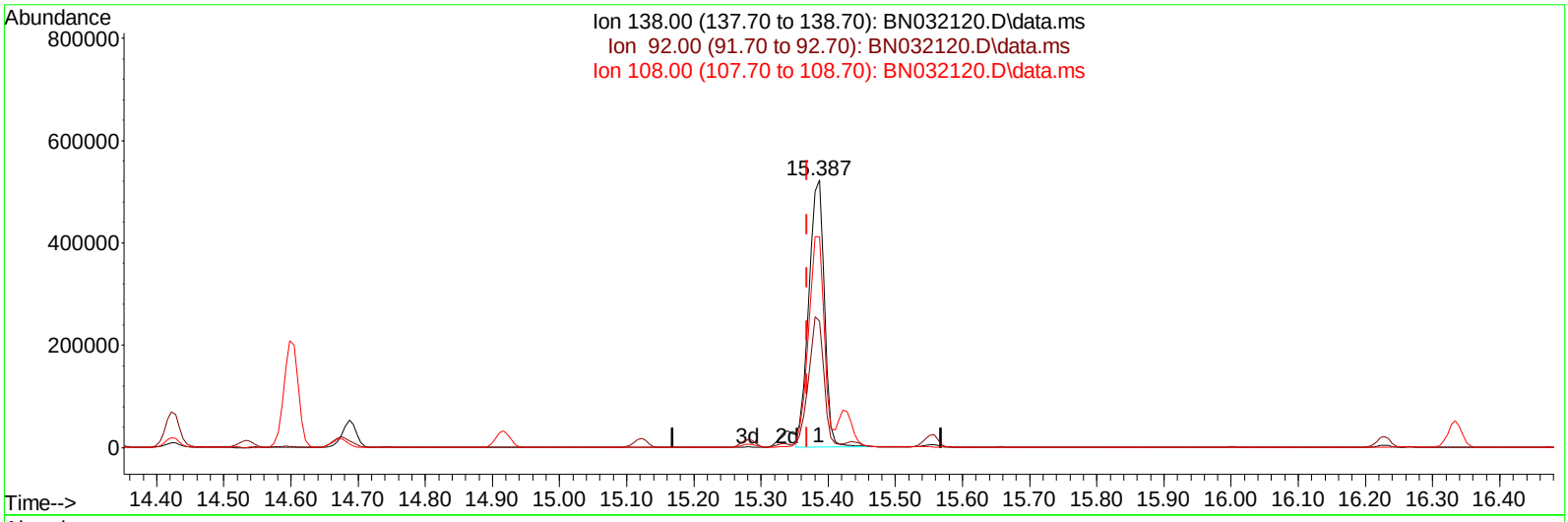
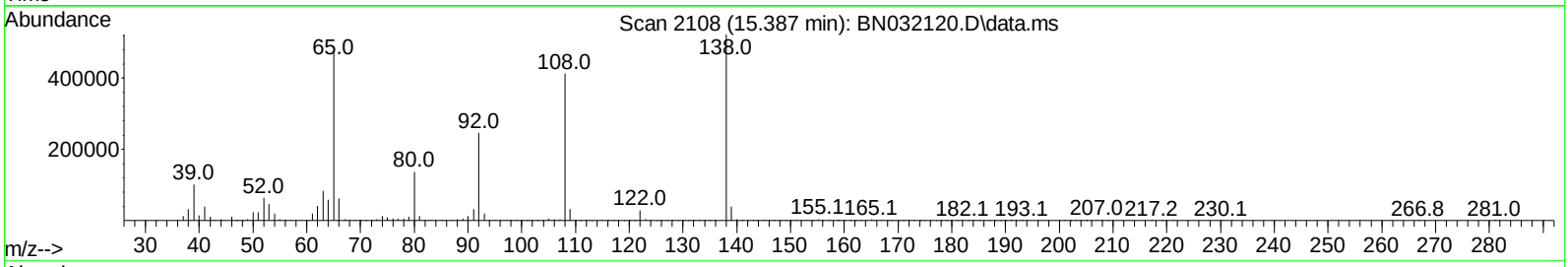
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

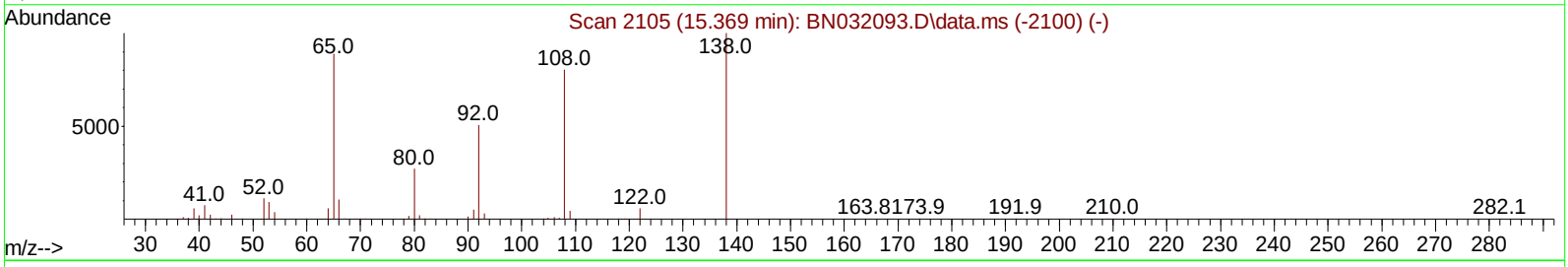
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

**(63) 4-Nitroaniline**

**15.387min (+ 0.018) 45.53 ng/ul**

**response 845308**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 51.20 | 47.20 |
| 108.00 | 75.10 | 78.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

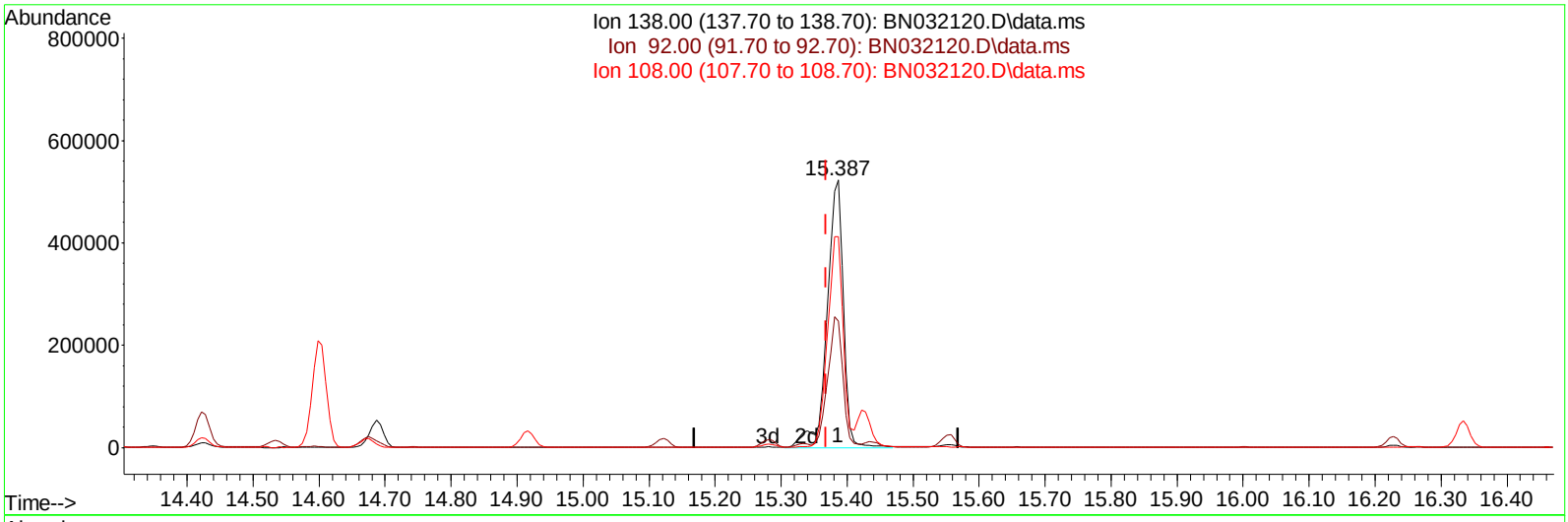
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

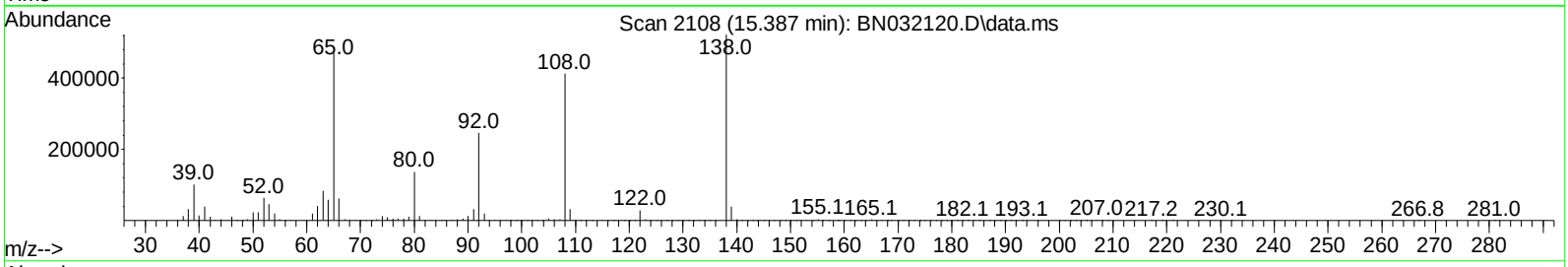
Quant Time: Jun 21 07:37:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

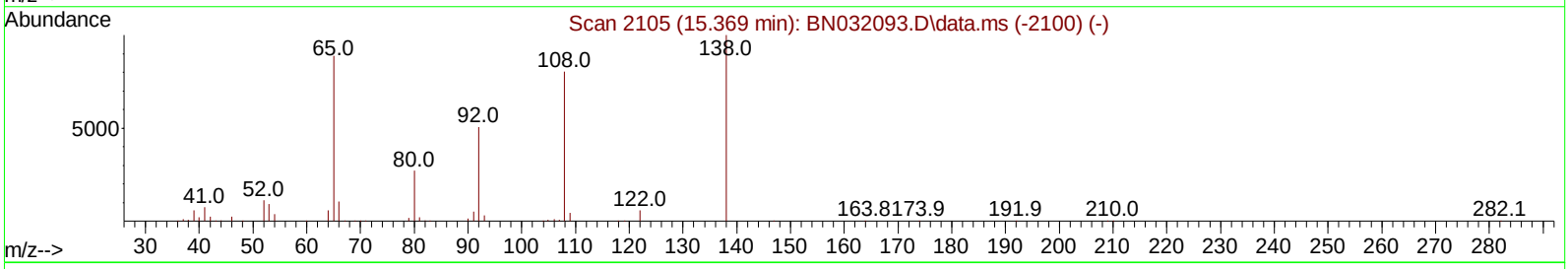
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

**(63) 4-Nitroaniline**

**15.387min (+ 0.018) 48.89 ng/ul m**

**response 907606**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 51.20 | 47.20 |
| 108.00 | 75.10 | 78.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

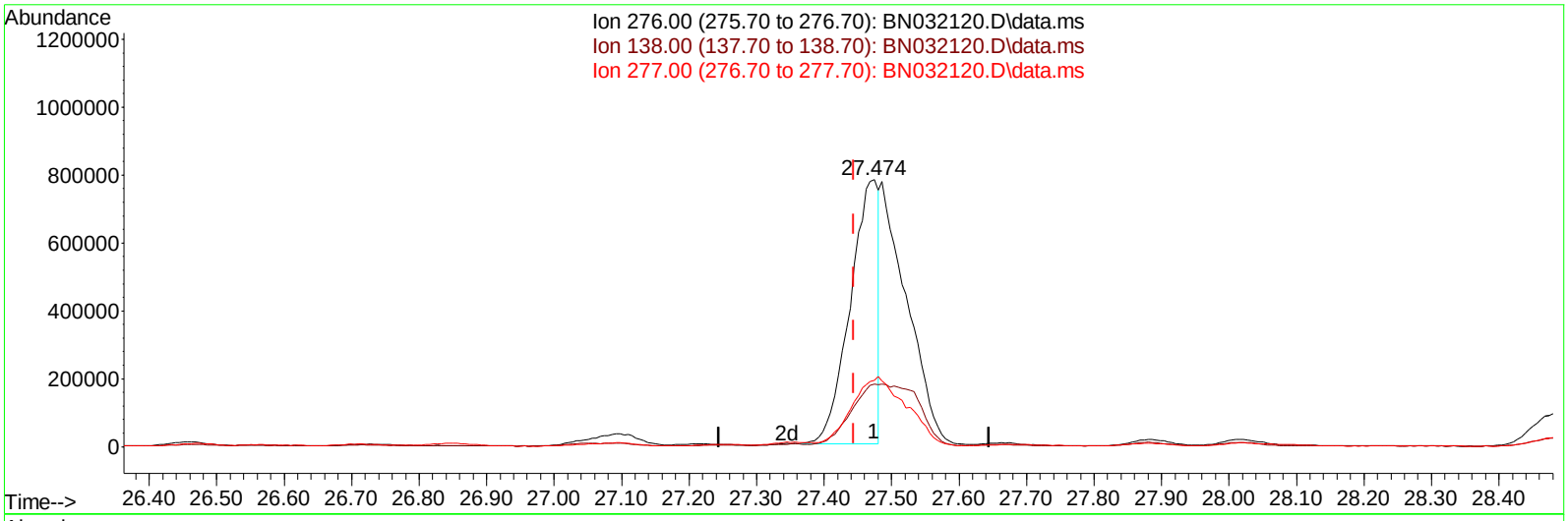
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

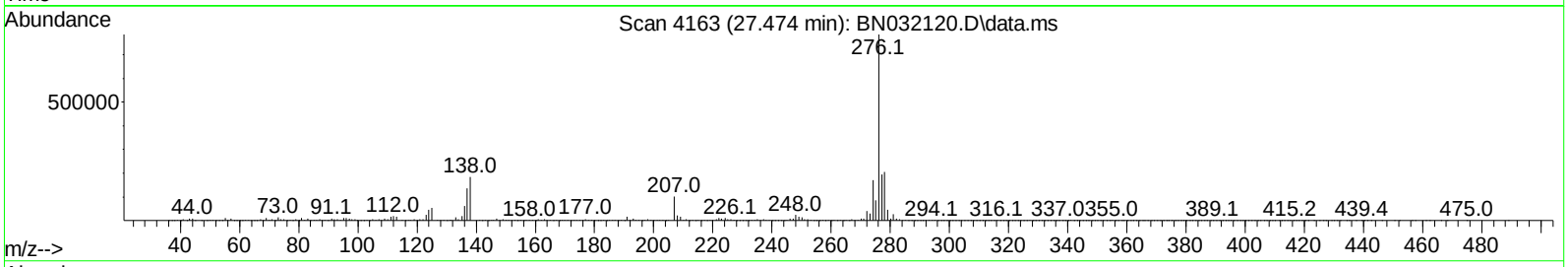
Quant Time: Jun 21 07:37:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

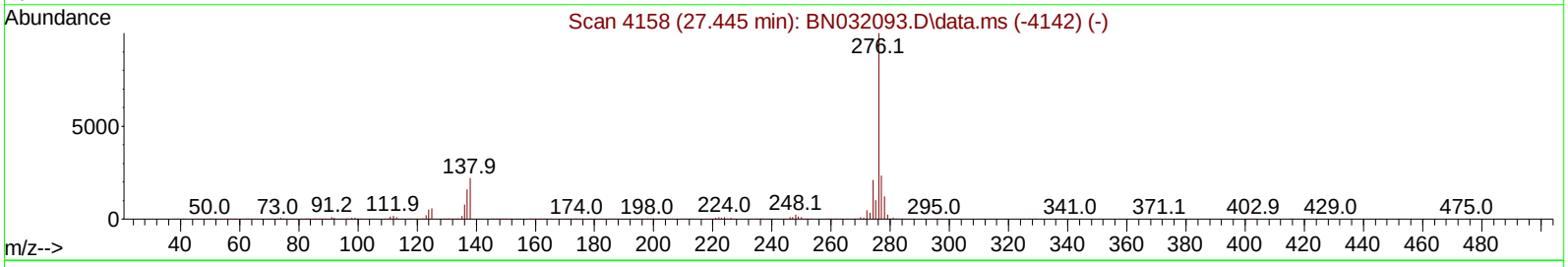
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

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

**27.474min (+ 0.030) 21.42 ng/ul**

**response 2269920**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.60 | 23.45 |
| 277.00 | 22.70 | 24.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

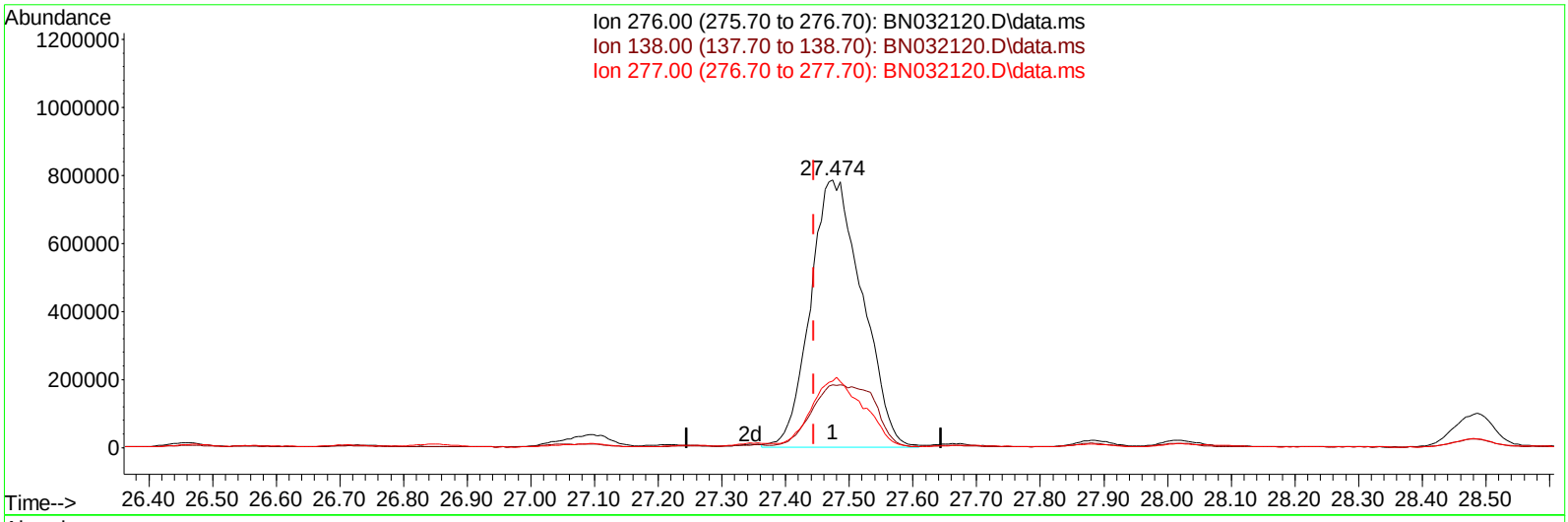
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

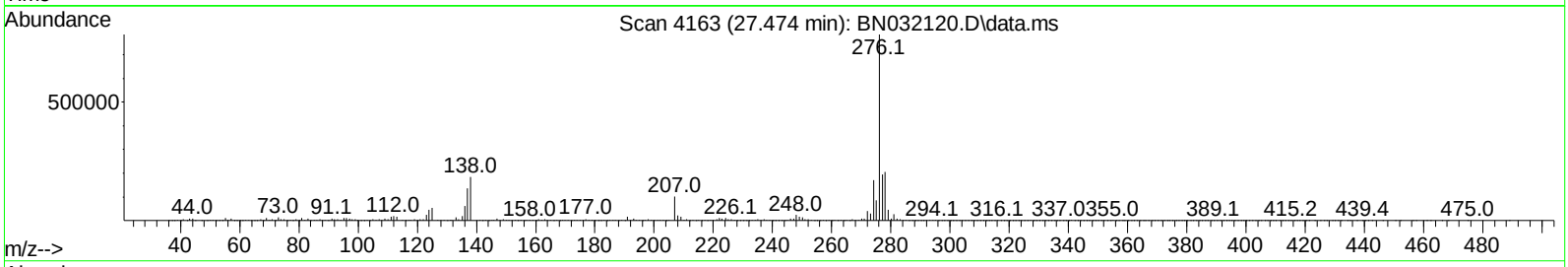
Quant Time: Jun 21 07:37:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

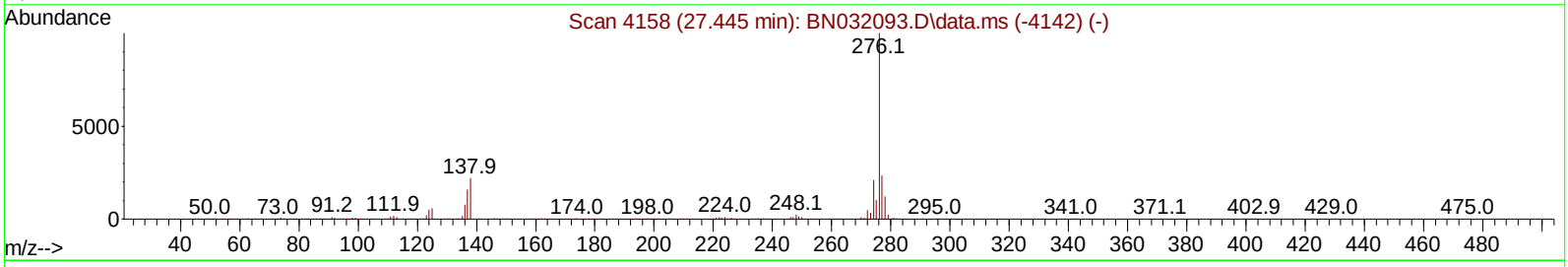
**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024




TIC: BN032120.D\data.ms

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

**27.474min (+ 0.030) 41.90 ng/ul m**

**response 4439487**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.60 | 23.45 |
| 277.00 | 22.70 | 24.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.634 | 152 | 413738 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.416 | 136 | 1918945 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.287 | 164 | 1287866 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.034 | 188 | 2531294 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.275 | 240 | 1382308 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.186 | 264 | 1642544 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.164 | 96 | 47540 | 4.754 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.570 | 84 | 386595 | 13.732 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.822 | 99 | 1129057 | 31.832 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.981 | 67 | 595227 | 28.690 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.175 | 132 | 995071 | 36.768 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.358 | 113 | 970366 | 33.562 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.799 | 128 | 528233 | 36.002 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.511 | 143 | 589460 | 38.892 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.052 | 165 | 1060421 | 37.477 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.569 | 131 | 1026036 | 24.423 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.704 | 166 | 3172045 | 35.355 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.975 | 160 | 3548526 | 34.397 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.522 | 143 | 540465 | 30.086 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.281 | 176 | 2631696 | 34.667 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.428 | 200 | 481095 | 37.812 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.134 | 188 | 3735626 | 34.471 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.433 | 212 | 2937344 | 39.710 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.986 | 264 | 1754280 | 22.367 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.193 | 88 | 129405 | 12.094 | ng/uL | 96 |
| 5) Pyridine | 3.587 | 79 | 522437 | 18.560 | ng/ul | 96 |
| 6) Benzaldehyde | 6.793 | 77 | 481592 | 28.948 | ng/ul | 91 |
| 8) Phenol | 6.846 | 94 | 1494312 | 41.397 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.075 | 93 | 1099169 | 36.826 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.205 | 128 | 1221578 | 43.133 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.087 | 108 | 1151023 | 41.285 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158 | 45 | 1237721 | 36.023 | ng/ul | 99 |
| 16) Acetophenone | 8.463 | 105 | 1841278 | 42.022 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.458 | 70 | 830537 | 36.578 | ng/ul# | 94 |
| 18) 4-Methylphenol | 8.422 | 108 | 1288838 | 42.646 | ng/ul | 99 |
| 19) Hexachloroethane | 8.699 | 117 | 380217 | 31.703 | ng/ul | 90 |
| 22) Nitrobenzene | 8.840 | 77 | 1298783 | 37.154 | ng/ul | 94 |
| 23) Isophorone | 9.369 | 82 | 2617959 | 36.508 | ng/ul | 96 |
| 25) 2-Nitrophenol | 9.546 | 139 | 773896 | 46.736 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 9.611 | 107 | 1081434 | 33.572 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.846 | 93 | 1629838 | 36.468 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.075 | 162 | 1285691 | 46.019 | ng/ul | 96 |
| 30) Naphthalene | 10.469 | 128 | 4170957 | 41.998 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.593 | 127 | 1204371 | 29.528 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.740 | 225 | 750552 | 44.730 | ng/ul | 98 |
| 34) Caprolactam | 11.410 | 113 | 405437m | 37.179 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.728 | 107 | 1432575 | 43.868 | ng/ul | 98 |

Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.087 | 142 | 2956292 | 43.550 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.310 | 142 | 3024824 | 44.409 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216 | 1515441 | 44.494 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.428 | 237 | 387474 | 19.739 | ng/ul | 94 |
| 41) 2,4,6-Trichlorophenol | 12.710 | 196 | 1063401 | 45.999 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.787 | 196 | 1178237 | 46.901 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.116 | 154 | 3752053 | 41.420 | ng/ul | 95 |
| 44) 2-Chloronaphthalene | 13.157 | 162 | 2962708 | 41.758 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.375 | 65 | 832768 | 40.491 | ng/ul# | 85 |
| 47) Dimethylphthalate | 13.751 | 163 | 3801620 | 41.431 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.881 | 165 | 852958 | 46.766 | ng/ul | 97 |
| 50) Acenaphthylene | 14.004 | 152 | 4741410 | 40.667 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.210 | 138 | 841962 | 43.176 | ng/ul | 91 |
| 52) Acenaphthene | 14.351 | 153 | 3370336 | 43.689 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.422 | 184 | 443569 | 48.173 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.534 | 109 | 576905 | 43.292 | ng/ul | 88 |
| 56) Dibenzofuran | 14.687 | 168 | 4401317 | 41.993 | ng/ul | 93 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 1196013 | 44.690 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.916 | 232 | 939794 | 44.723 | ng/ul | 99 |
| 59) Diethylphthalate | 15.122 | 149 | 3991894 | 42.161 | ng/ul | 98 |
| 61) Fluorene | 15.340 | 166 | 3436638 | 40.718 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204 | 1556241 | 38.069 | ng/ul | 93 |
| 63) 4-Nitroaniline | 15.387 | 138 | 907606m | 48.890 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.440 | 198 | 654793 | 48.410 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.557 | 169 | 3097283 | 44.391 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248 | 1137761 | 46.390 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.334 | 284 | 1020985 | 36.730 | ng/ul | 96 |
| 70) Atrazine | 16.516 | 200 | 983802 | 44.657 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.692 | 266 | 725540 | 40.796 | ng/ul | 96 |
| 72) Phenanthrene | 17.087 | 178 | 9146010 | 70.928 | ng/ul | 99 |
| 74) Anthracene | 17.169 | 178 | 6074269 | 46.489 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.075 | 216 | 1538109 | 47.209 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.604 | 250 | 1277737 | 40.263 | ng/uL | 96 |
| 77) Carbazole | 17.445 | 167 | 4786420 | 42.962 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.004 | 149 | 6908756 | 45.073 | ng/ul | 99 |
| 80) Fluoranthene | 19.104 | 202 | 9731795 | 110.086 | ng/ul | 96 |
| 82) Pyrene | 19.469 | 202 | 7527255 | 82.991 | ng/ul | 95 |
| 83) Butylbenzylphthalate | 20.369 | 149 | 2627270 | 61.329 | ng/ul | 91 |
| 84) 3,3'-Dichlorobenzidine | 21.186 | 252 | 797281 | 30.077 | ng/ul | 94 |
| 85) Benzo(a)anthracene | 21.251 | 228 | 6159252 | 66.569 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.175 | 149 | 3837715 | 61.456 | ng/ul | 98 |
| 87) Chrysene | 21.316 | 228 | 5845444 | 67.637 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.275 | 149 | 5834151 | 53.054 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.274 | 252 | 6636400 | 67.595 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.333 | 252 | 4978272 | 51.674 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.051 | 252 | 2883986 | 31.364 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.474 | 276 | 4439487m | 41.897 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 27.533 | 278 | 4349292 | 50.276 | ng/ul | 95 |
| 96) Benzo(g,h,i)perylene | 28.486 | 276 | 450845 | 5.352 | ng/ul | 96 |

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

**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062024\
Data File : BN032120.D
Acq On : 21 Jun 2024 07:06
Operator : MA/JU
Sample : P2710-23MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 21 07:39:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A4B87MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/21/2024