Quantitation Report (Qedit)

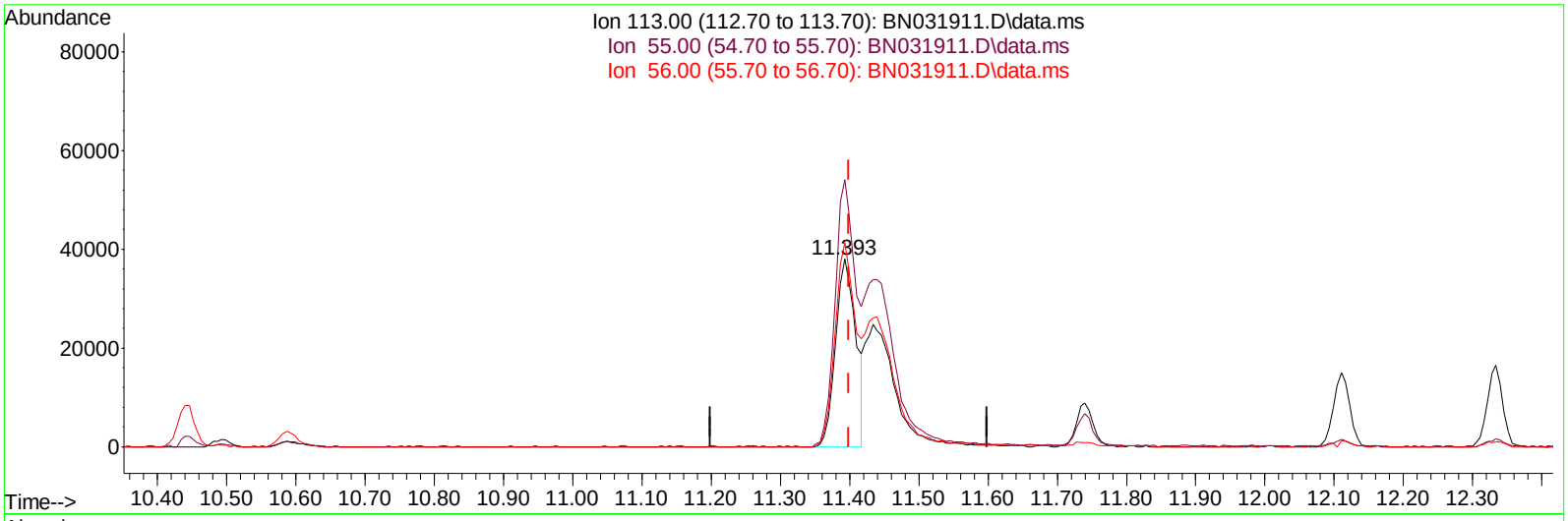
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031911.D
Acq On : 11 Jun 2024 15:06
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

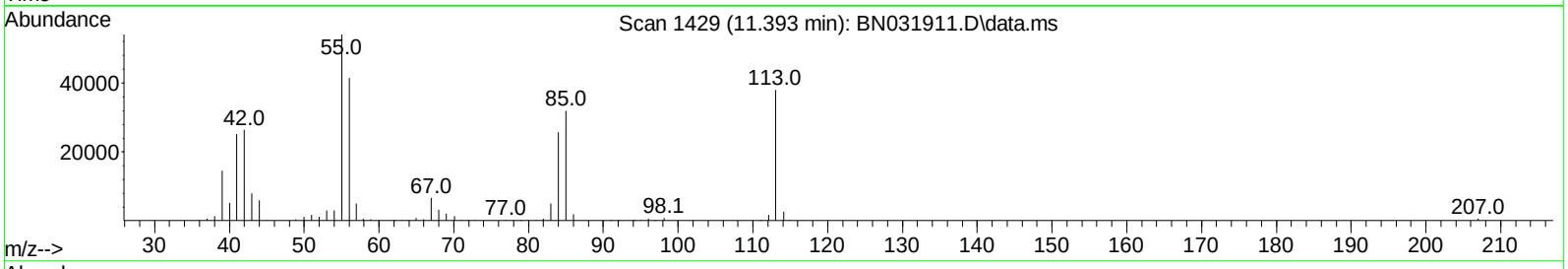
Quant Time: Jun 11 15:48:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

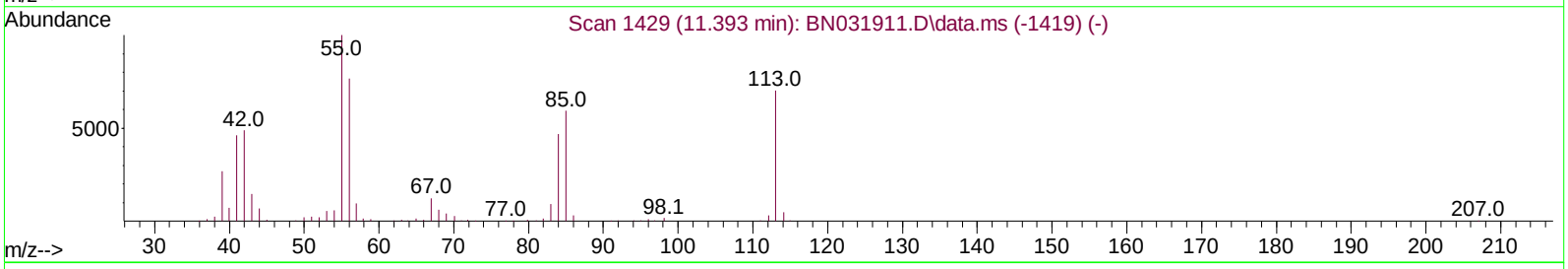
**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024




TIC: BN031911.D\data.ms

**(34) Caprolactam**

**11.393min (-0.006) 9.62 ng/ul**

**response 76756**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 142.23 |
| 56.00 | 111.70 | 108.90 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

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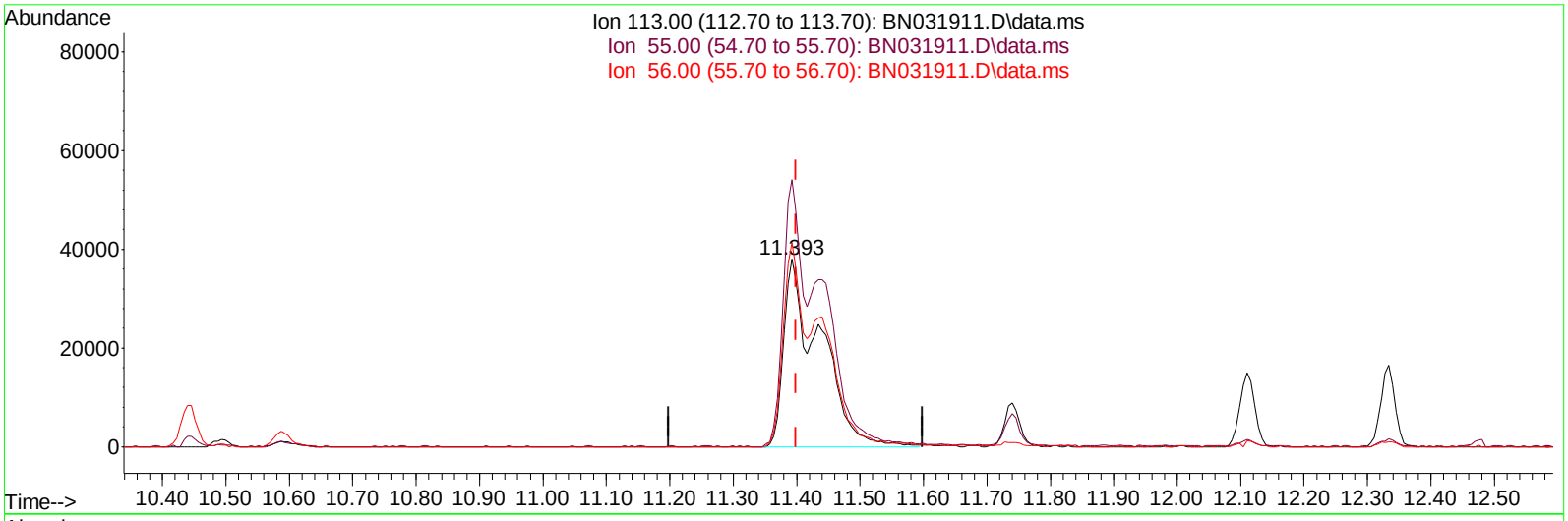


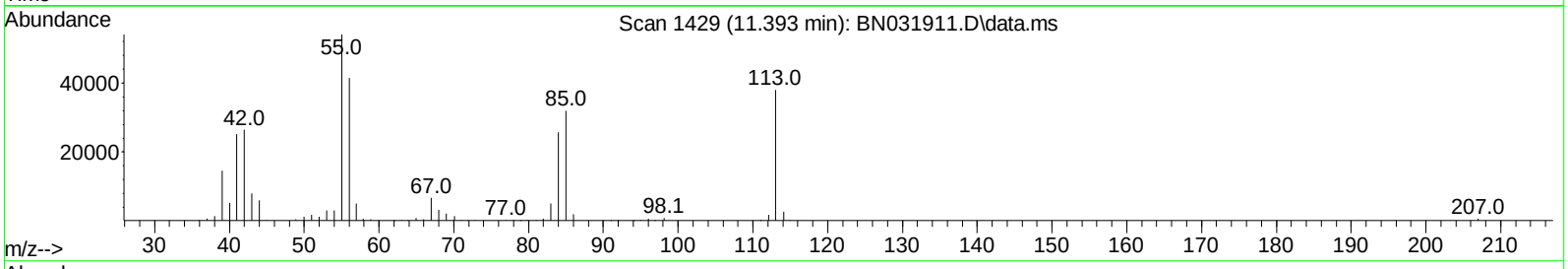


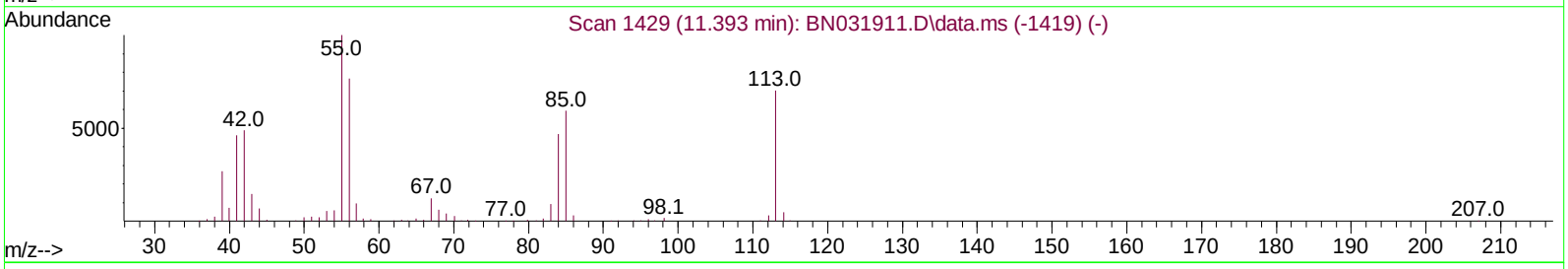


TIC: BN031911.D\data.ms

**(34) Caprolactam**

**11.393min (-0.006) 18.96 ng/ul m**

**response 151221**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.50 | 142.23 |
| 56.00 | 111.70 | 108.90 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Wed May 29 15:13:07 2024
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**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

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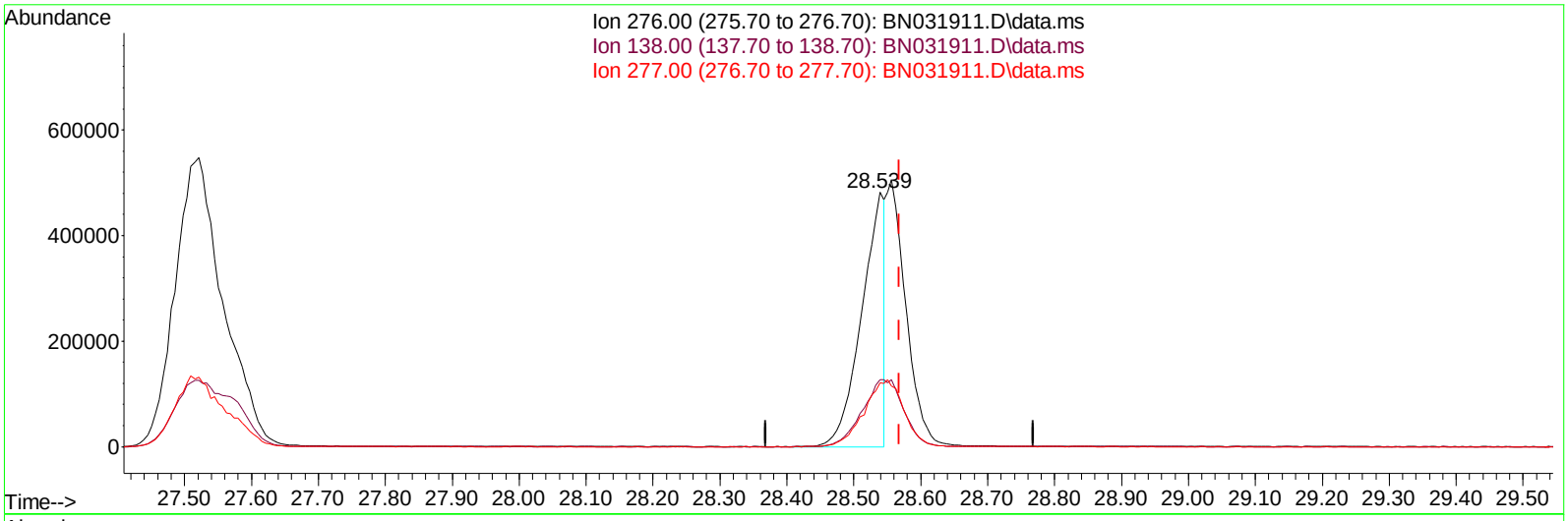


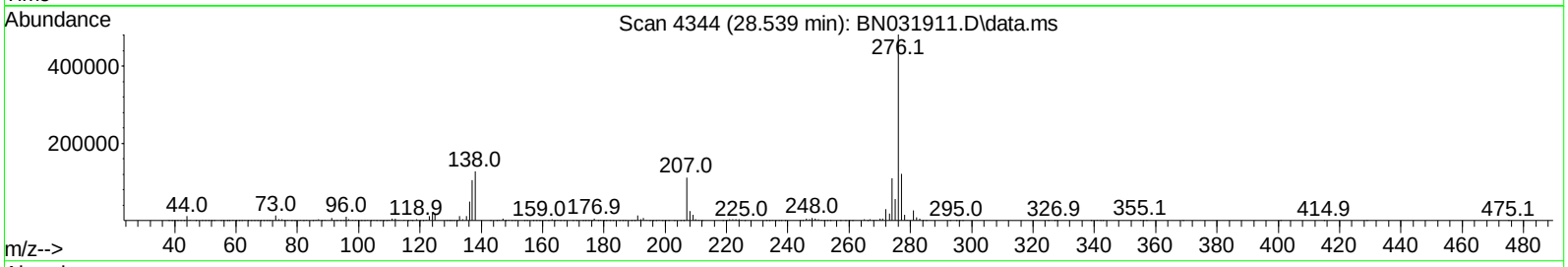


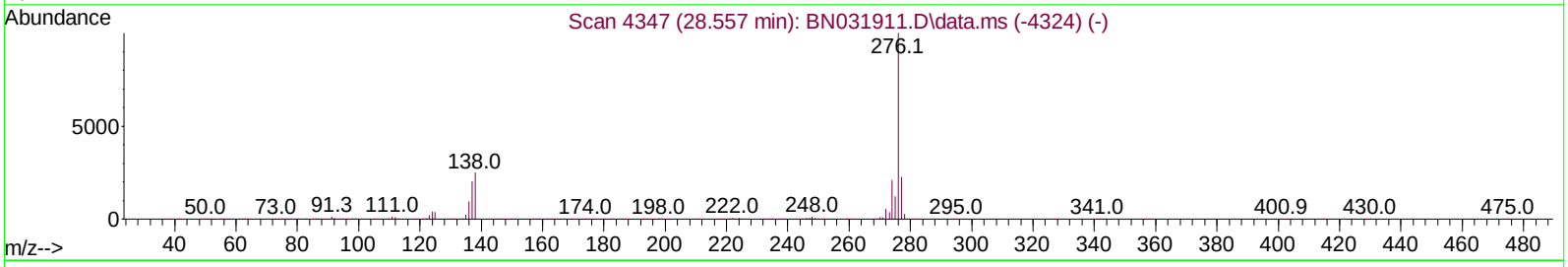


TIC: BN031911.D\data.ms

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

**28.539min (-0.029) 10.20 ng/ul**

**response 1146380**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 26.10 | 26.38 |
| 277.00 | 22.50 | 25.09 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

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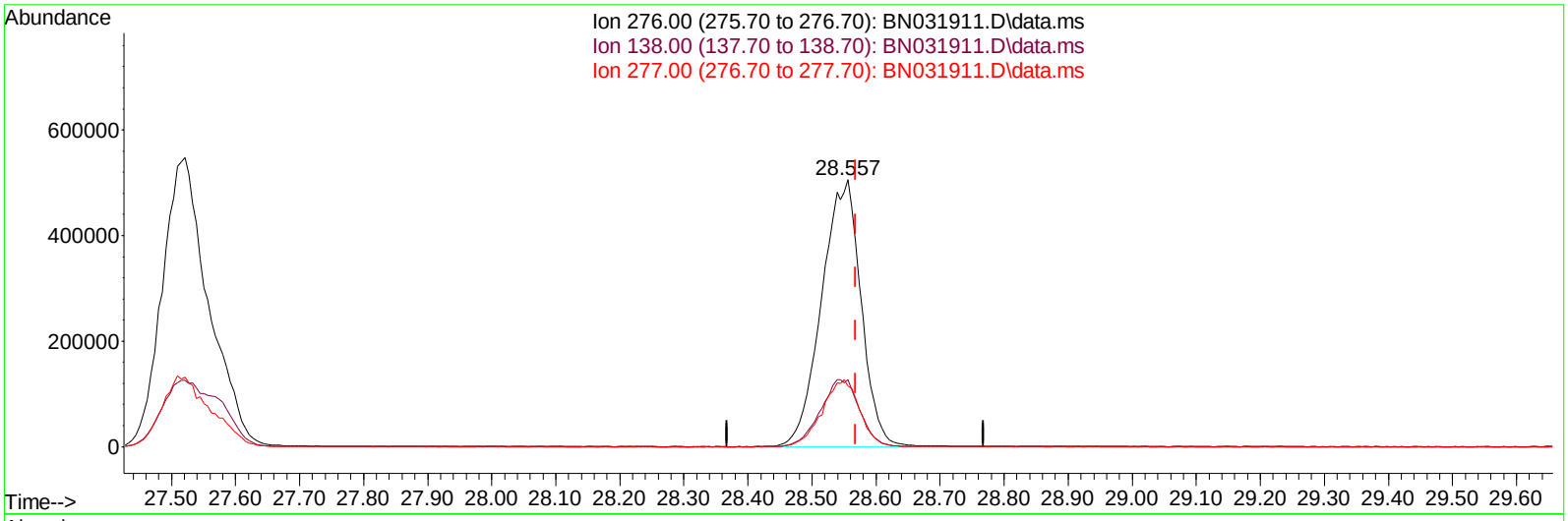
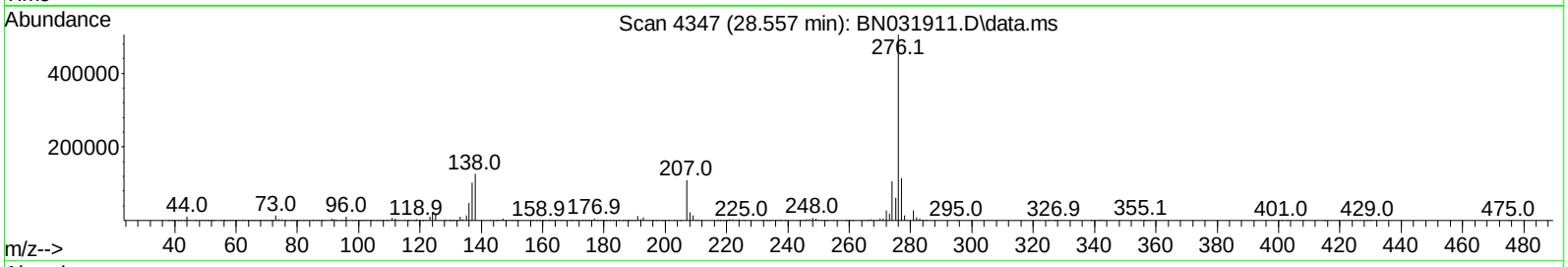
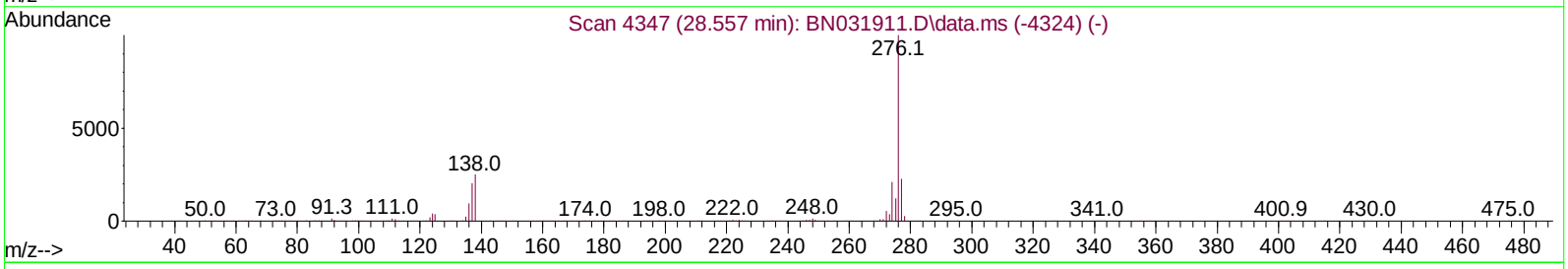
Supervised By :mohammad ahmed 06/14/2024




TIC: BN031911.D\data.ms

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

**28.557min (-0.012) 19.30 ng/ul m**

**response 2169175**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 26.10 | 25.04 |
| 277.00 | 22.50 | 22.79 |
| 0.00 | 0.00 | 0.00 |

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Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:51:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.664 | 152 | 307439 | 20.000 | ng/ul | -0.02 |
| 20) Naphthalene-d8 | 10.440 | 136 | 1403514 | 20.000 | ng/ul | -0.03 |
| 38) Acenaphthene-d10 | 14.304 | 164 | 953234 | 20.000 | ng/ul | -0.02 |
| 64) Phenanthrene-d10 | 17.057 | 188 | 1993791 | 20.000 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.292 | 240 | 1925631 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 24.221 | 264 | 2191910 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.176 | 96 | 55278 | 7.438 | ng/uL | -0.02 |
| 4) Pyridine-d5 | 3.581 | 84 | 364528 | 17.426 | ng/ul | -0.02 |
| 7) Phenol-d5 | 6.834 | 99 | 518374 | 19.668 | ng/ul | -0.02 |
| 9) Bis-(2-Chloroethyl)eth... | 7.005 | 67 | 314194 | 20.380 | ng/ul | -0.02 |
| 11) 2-Chlorophenol-d4 | 7.193 | 132 | 401153 | 19.948 | ng/ul | -0.02 |
| 15) 4-Methylphenol-d8 | 8.369 | 113 | 432305 | 20.122 | ng/ul | -0.02 |
| 21) Nitrobenzene-d5 | 8.816 | 128 | 213413 | 19.887 | ng/ul | -0.02 |
| 24) 2-Nitrophenol-d4 | 9.534 | 143 | 219319 | 19.785 | ng/ul | -0.02 |
| 28) 2,4-Dichlorophenol-d3 | 10.069 | 165 | 420979 | 20.342 | ng/ul | -0.02 |
| 31) 4-Chloroaniline-d4 | 10.587 | 131 | 571647 | 18.604 | ng/ul | -0.02 |
| 46) Dimethylphthalate-d6 | 13.722 | 166 | 1319289 | 19.866 | ng/ul | -0.02 |
| 49) Acenaphthylene-d8 | 13.998 | 160 | 1517173 | 19.869 | ng/ul | -0.02 |
| 54) 4-Nitrophenol-d4 | 14.522 | 143 | 255814 | 19.239 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.298 | 176 | 1133851 | 20.179 | ng/ul | -0.02 |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200 | 203184 | 20.274 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.151 | 188 | 1733571 | 20.309 | ng/ul | -0.02 |
| 81) Pyrene-d10 | 19.457 | 212 | 2051896 | 19.913 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 24.027 | 264 | 2031400 | 19.409 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.211 | 88 | 59431 | 7.475 | ng/uL | 98 |
| 5) Pyridine | 3.605 | 79 | 361330 | 17.275 | ng/ul | 98 |
| 6) Benzaldehyde | 6.816 | 77 | 230878 | 18.676 | ng/ul | 99 |
| 8) Phenol | 6.864 | 94 | 537521 | 20.040 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.093 | 93 | 447782 | 20.189 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.228 | 128 | 420639 | 19.988 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.105 | 108 | 412809 | 19.926 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 542865 | 21.262 | ng/ul | 98 |
| 16) Acetophenone | 8.481 | 105 | 699230 | 21.475 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.469 | 70 | 348065 | 20.630 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.434 | 108 | 459612 | 20.466 | ng/ul | 95 |
| 19) Hexachloroethane | 8.728 | 117 | 172943 | 19.406 | ng/ul | 95 |
| 22) Nitrobenzene | 8.858 | 77 | 509996 | 19.947 | ng/ul | 99 |
| 23) Isophorone | 9.381 | 82 | 1011690 | 19.289 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.563 | 139 | 243865 | 20.136 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.628 | 107 | 480935 | 20.413 | ng/ul | 100 |
| 27) Bis(2-Chloroethoxy)met... | 9.863 | 93 | 638450 | 19.532 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 412257 | 20.175 | ng/ul | 99 |
| 30) Naphthalene | 10.493 | 128 | 1462823 | 20.139 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.610 | 127 | 575098 | 19.278 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.769 | 225 | 249927 | 20.365 | ng/ul | 96 |
| 34) Caprolactam | 11.393 | 113 | 151221m | 18.960 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.740 | 107 | 490910 | 20.553 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.110 | 142 | 1013047 | 20.404 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.334 | 142 | 1022104 | 20.517 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216 | 505632 | 20.057 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.457 | 237 | 253875 | 17.473 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.728 | 196 | 338076 | 19.758 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.804 | 196 | 377565 | 20.305 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.134 | 154 | 1335538 | 19.919 | ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.175 | 162 | 1052849 | 20.049 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.393 | 65 | 300735 | 19.756 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.769 | 163 | 1372228 | 20.205 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.893 | 165 | 274879 | 20.362 | ng/ul | 98 |
| 50) Acenaphthylene | 14.028 | 152 | 1748105 | 20.257 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.222 | 138 | 304085 | 21.067 | ng/ul | 96 |
| 52) Acenaphthene | 14.369 | 153 | 1155396 | 20.235 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.434 | 184 | 129144 | 18.949 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.534 | 109 | 198591 | 20.134 | ng/ul | 98 |
| 56) Dibenzofuran | 14.704 | 168 | 1591606 | 20.516 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.687 | 165 | 405807 | 20.486 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 313132 | 20.133 | ng/ul | 96 |
| 59) Diethylphthalate | 15.140 | 149 | 1408706 | 20.101 | ng/ul | 99 |
| 61) Fluorene | 15.357 | 166 | 1284927 | 20.568 | ng/ul | 95 |
| 62) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 613085 | 20.262 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.393 | 138 | 336651 | 24.501 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.445 | 198 | 221699 | 20.810 | ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.569 | 169 | 1102840 | 20.067 | ng/ul | 96 |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248 | 396294 | 20.514 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.351 | 284 | 449924 | 20.549 | ng/ul | 98 |
| 70) Atrazine | 16.528 | 200 | 263821 | 15.204 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.704 | 266 | 284334 | 20.298 | ng/ul | 89 |
| 72) Phenanthrene | 17.098 | 178 | 2057840 | 20.261 | ng/ul | 100 |
| 74) Anthracene | 17.187 | 178 | 2155018 | 20.940 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.093 | 216 | 511258 | 19.922 | ng/uL | 94 |
| 76) Pentachlorobenzene | 14.622 | 250 | 515800 | 20.635 | ng/uL | 98 |
| 77) Carbazole | 17.463 | 167 | 1934451 | 22.044 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.028 | 149 | 2442231 | 20.229 | ng/ul | 100 |
| 80) Fluoranthene | 19.116 | 202 | 2451823 | 19.909 | ng/ul | 100 |
| 82) Pyrene | 19.486 | 202 | 2562311 | 20.279 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.392 | 149 | 1113496 | 18.659 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.204 | 252 | 512909 | 13.890 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.275 | 228 | 2594864 | 20.132 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phtha... | 21.204 | 149 | 1635189 | 18.797 | ng/ul | 100 |
| 87) Chrysene | 21.339 | 228 | 2436518 | 20.238 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.316 | 149 | 2862410 | 19.506 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.298 | 252 | 2591884 | 19.783 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.363 | 252 | 2539300 | 19.752 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.086 | 252 | 2462137 | 20.065 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 27.521 | 276 | 2747338 | 19.429 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 27.574 | 278 | 2313959 | 20.044 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 28.557 | 276 | 2169175m | 19.298 | ng/ul | |

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

**Instrument :**
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