Quantitation Report (Qedit)

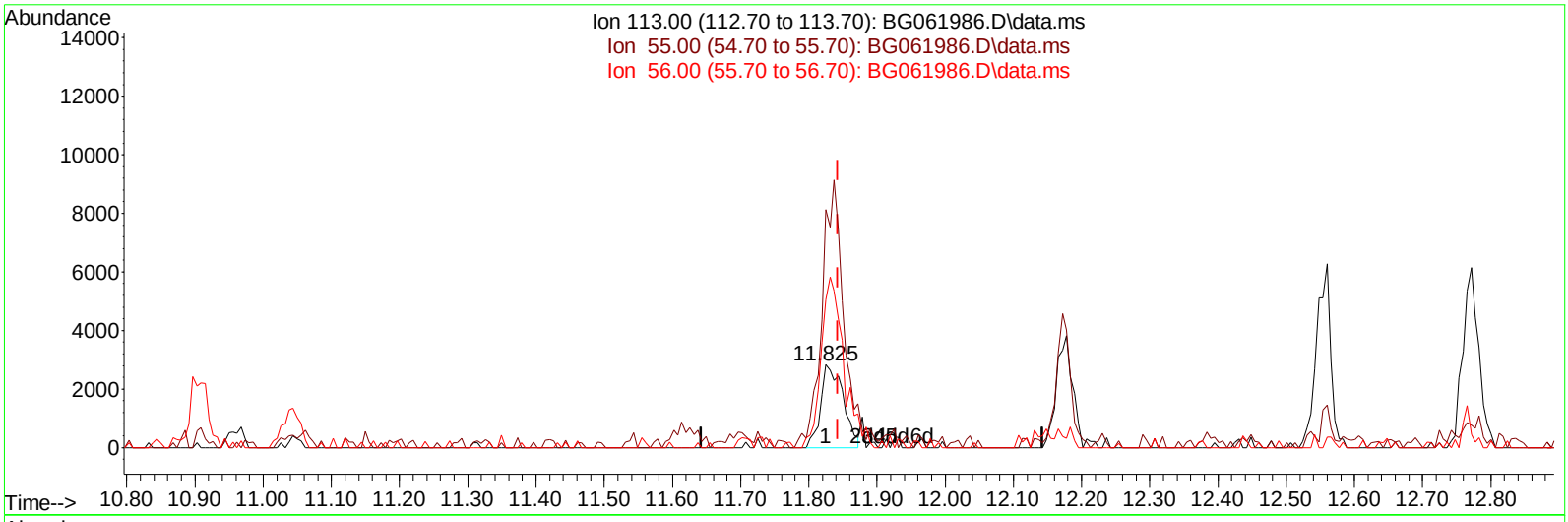
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061986.D
Acq On : 9 Jul 2024 23:29
Operator : MA/JU
Sample : P3138-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

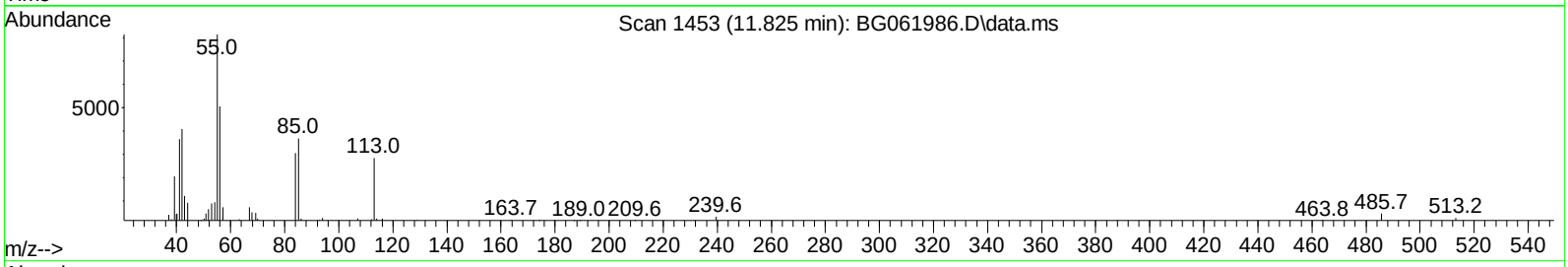
Quant Time: Jul 10 00:20:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

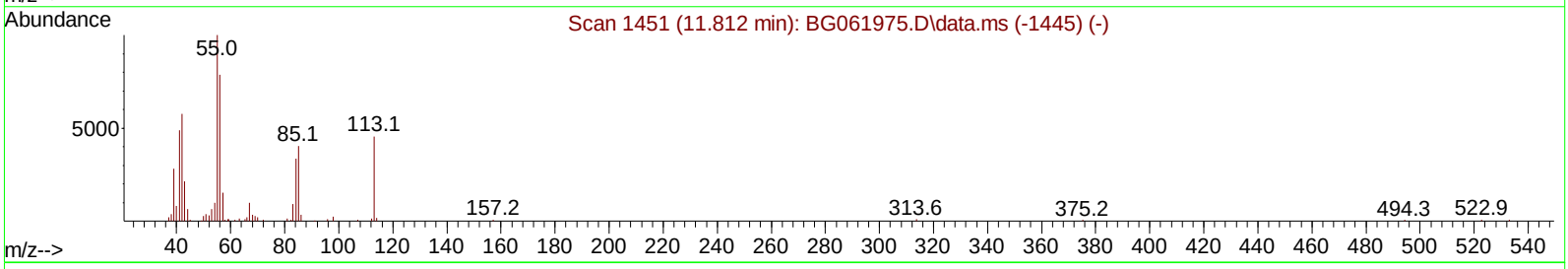
**Instrument :**
BNA_G
**ClientSampleId :**
YDZF8MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024




TIC: BG061986.D\data.ms

**(34) Caprolactam**

**11.825min (-0.017) 5.79 ng/ul**

**response 6478**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 230.70 | 287.41# |
| 56.00 | 168.80 | 178.75 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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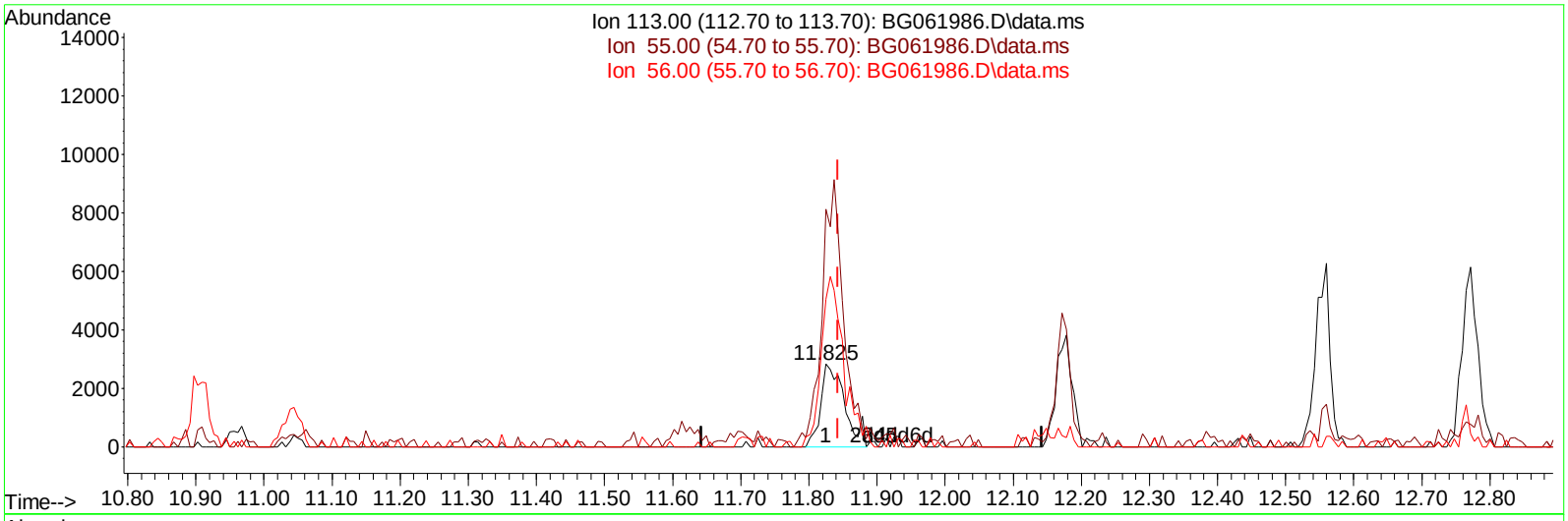


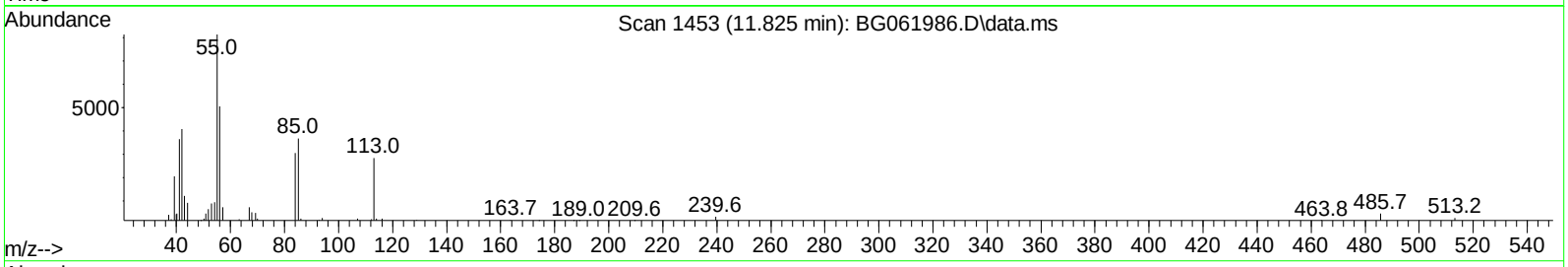


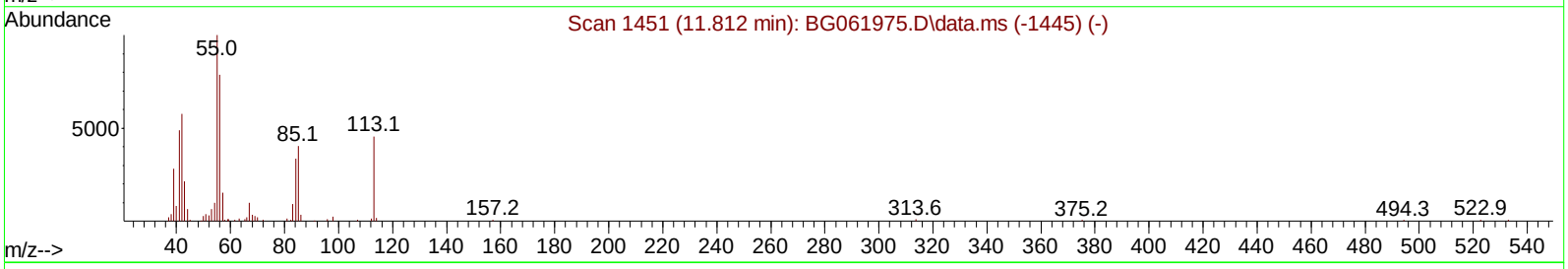


TIC: BG061986.D\data.ms

**(34) Caprolactam**

**11.825min (-0.017) 6.12 ng/ul m**

**response 6849**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 230.70 | 287.41# |
| 56.00 | 168.80 | 178.75 |
| 0.00 | 0.00 | 0.00 |

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Acq On : 9 Jul 2024 23:29
Operator : MA/JU
Sample : P3138-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 10 00:20:30 2024
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QLast Update : Wed Jul 03 02:38:46 2024
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**Instrument :**
BNA_G
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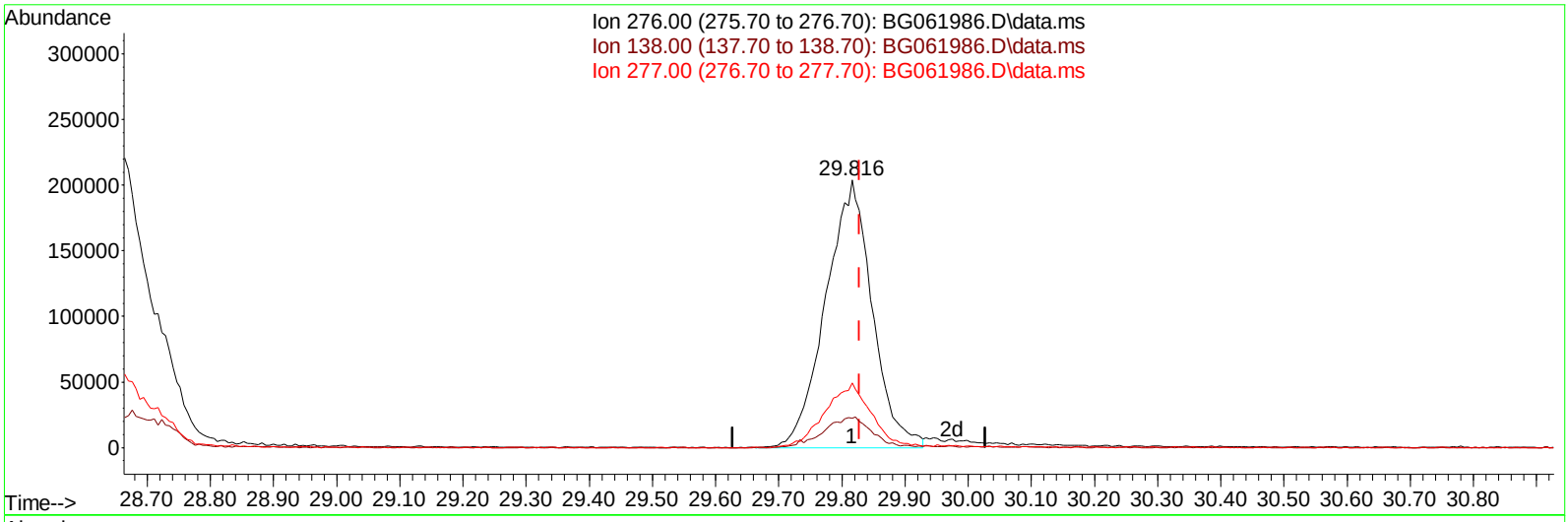


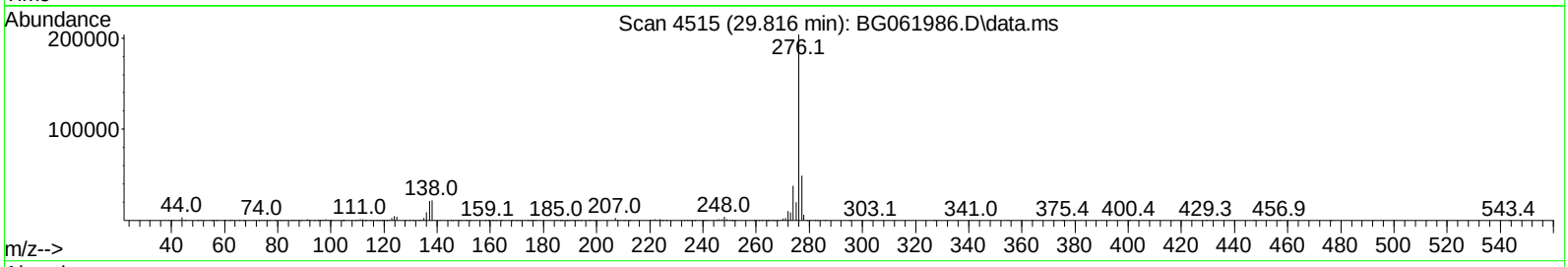


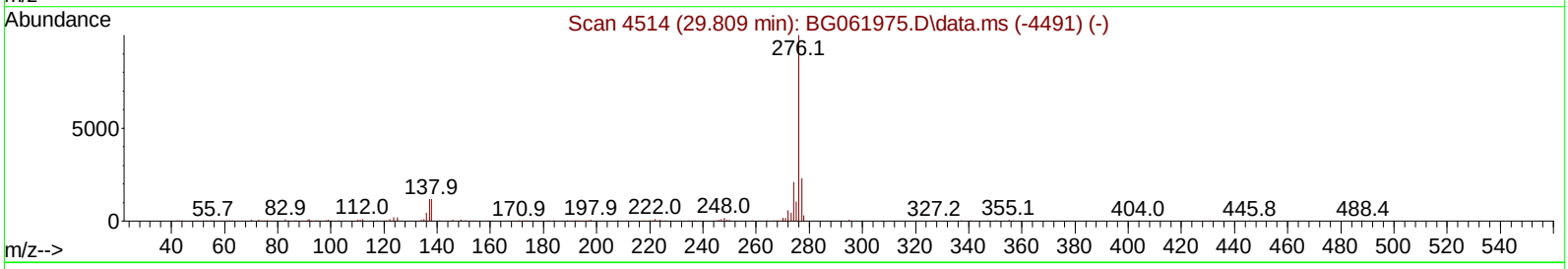


TIC: BG061986.D\data.ms

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

**29.816min (-0.011) 47.83 ng/ul**

**response 1043171**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90 | 10.98# |
| 277.00 | 23.50 | 24.25 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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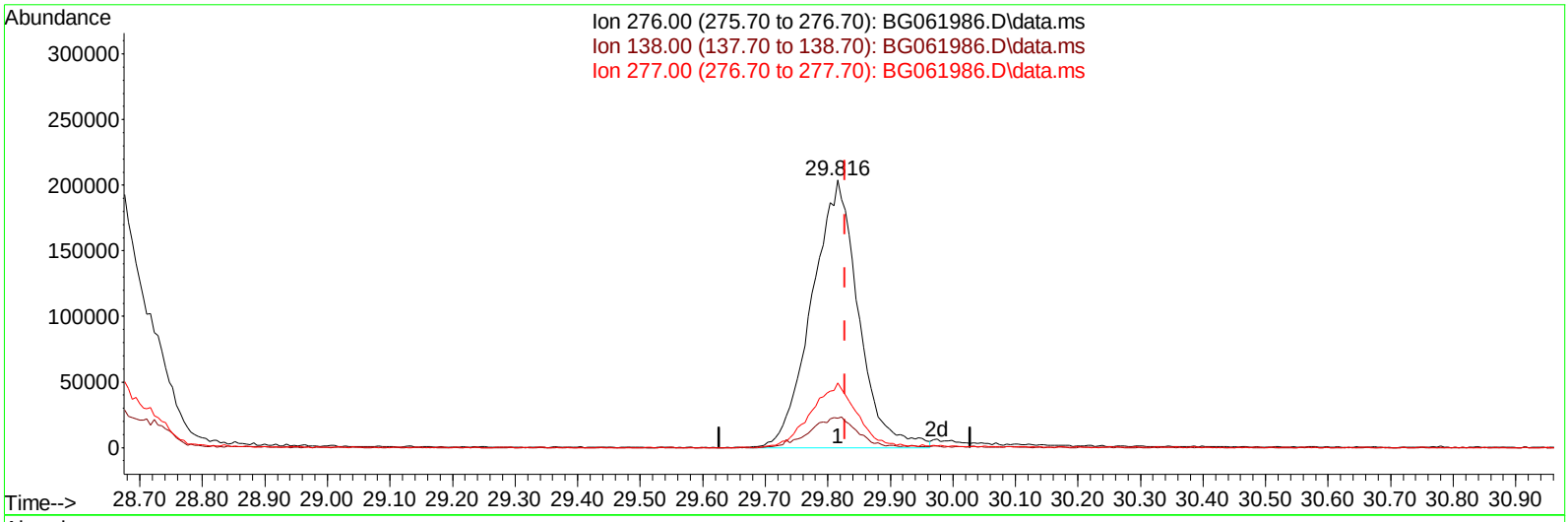
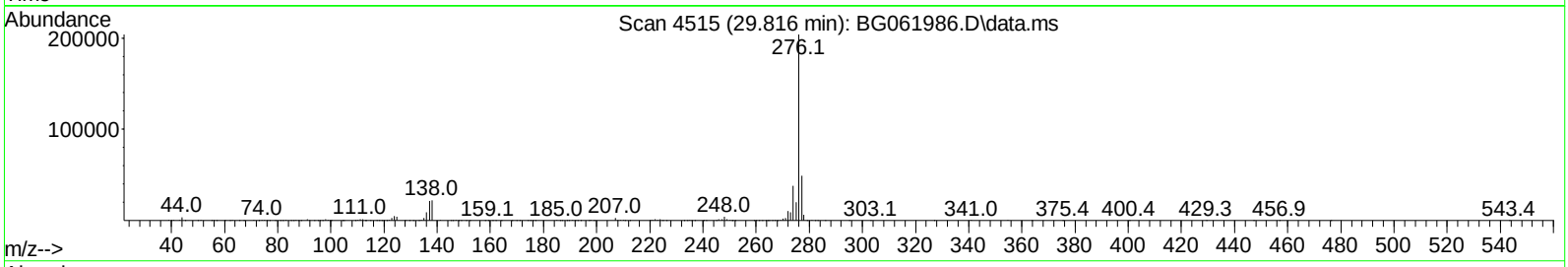
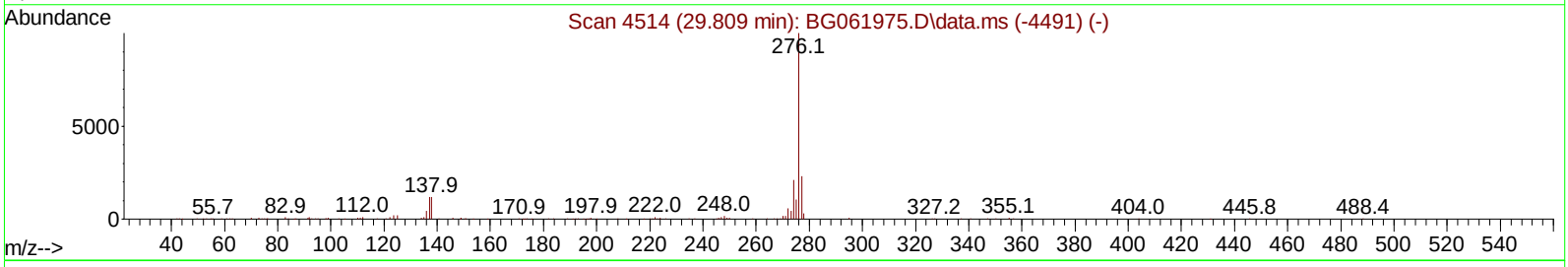
**Instrument :**
BNA_G
**ClientSampleId :**
YDZF8MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024




TIC: BG061986.D\data.ms

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

**29.816min (-0.011) 48.44 ng/ul m**

**response 1056542**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90 | 10.98# |
| 277.00 | 23.50 | 24.25 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
YDZF8MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.094 | 152 | 35536 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.909 | 136 | 181434 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.716 | 164 | 140973 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.460 | 188 | 335801 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.720 | 240 | 299295 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.951 | 264 | 359600 | 20.000 | ng/ul | #-0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.482 | 96 | 3977 | 4.206 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.905 | 84 | 21879 | 7.525 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.248 | 99 | 36746 | 9.449 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.413 | 67 | 74419 | 30.218 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.624 | 132 | 81402 | 30.515 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.799 | 113 | 68928 | 22.511 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.264 | 128 | 51448 | 37.285 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.980 | 143 | 63015 | 39.990 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.527 | 165 | 120886 | 39.773 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.038 | 131 | 104359 | 23.650 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.117 | 166 | 481400 | 41.536 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.416 | 160 | 484924 | 40.014 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.916 | 143 | 22265 | 12.030 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.703 | 176 | 414090 | 42.441 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.826 | 200 | 92395 | 52.391 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.560 | 188 | 667159 | 42.554 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.834 | 212 | 738598 | 41.956 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.734 | 264 | 798820 | 44.791 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.517 | 88 | 5887 | 5.640 | ng/uL | 88 |
| 5) Pyridine | 3.923 | 79 | 23756 | 7.967 | ng/ul | 93 |
| 6) Benzaldehyde | 7.231 | 77 | 51459 | 25.002 | ng/ul# | 84 |
| 8) Phenol | 7.272 | 94 | 44242 | 11.112 | ng/ul# | 84 |
| 10) Bis(2-Chloroethyl)ether | 7.507 | 93 | 97629 | 31.919 | ng/ul | 88 |
| 12) 2-Chlorophenol | 7.660 | 128 | 93510 | 34.407 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.535 | 108 | 87810 | 30.899 | ng/ul | 91 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611 | 45 | 207455 | 31.045 | ng/ul# | 93 |
| 16) Acetophenone | 8.917 | 105 | 193449 | 38.247 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.893 | 70 | 102297 | 36.127 | ng/ul# | 96 |
| 18) 4-Methylphenol | 8.864 | 108 | 84763 | 26.634 | ng/ul | 81 |
| 19) Hexachloroethane | 9.175 | 117 | 42803 | 36.306 | ng/ul# | 82 |
| 22) Nitrobenzene | 9.305 | 77 | 174618 | 44.581 | ng/ul | 99 |
| 23) Isophorone | 9.822 | 82 | 308442 | 34.856 | ng/ul# | 96 |
| 25) 2-Nitrophenol | 10.016 | 139 | 70265 | 43.724 | ng/ul# | 93 |
| 26) 2,4-Dimethylphenol | 10.069 | 107 | 134067 | 34.859 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.304 | 93 | 167135 | 34.298 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.550 | 162 | 123551 | 43.274 | ng/ul# | 87 |
| 30) Naphthalene | 10.956 | 128 | 392526 | 39.386 | ng/ul# | 96 |
| 32) 4-Chloroaniline | 11.061 | 127 | 105610 | 24.391 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.232 | 225 | 88080 | 40.996 | ng/ul | 99 |
| 34) Caprolactam | 11.825 | 113 | 6849m | 6.123 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.172 | 107 | 179862 | 47.301 | ng/ul | 92 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/10/2024
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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.554 | 142 | 302775 | 41.934 ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.771 | 142 | 322144 | 42.934 ng/ul | 89 |
| 39) 1,2,4,5-Tetrachloroben... | 12.912 | 216 | 179845 | 42.482 ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.889 | 237 | 73424 | 26.054 ng/ul# | 95 |
| 41) 2,4,6-Trichlorophenol | 13.153 | 196 | 129367 | 46.008 ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.224 | 196 | 144186 | 46.680 ng/ul | 86 |
| 43) 1,1'-Biphenyl | 13.553 | 154 | 444584 | 40.931 ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.600 | 162 | 331708 | 40.691 ng/ul | 97 |
| 45) 2-Nitroaniline | 13.799 | 65 | 169047 | 51.784 ng/ul | 97 |
| 47) Dimethylphthalate | 14.170 | 163 | 503465 | 45.163 ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.293 | 165 | 110477 | 52.240 ng/ul | 96 |
| 50) Acenaphthylene | 14.446 | 152 | 555092 | 41.733 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.622 | 138 | 62456 | 30.340 ng/ul | 99 |
| 52) Acenaphthene | 14.781 | 153 | 394905 | 42.997 ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.828 | 184 | 66649 | 60.323 ng/ul# | 81 |
| 55) 4-Nitrophenol | 14.928 | 109 | 32012 | 15.154 ng/ul | 97 |
| 56) Dibenzofuran | 15.116 | 168 | 577302 | 44.474 ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 15.074 | 165 | 167943 | 54.150 ng/ul# | 82 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.339 | 232 | 138115 | 49.518 ng/ul | 97 |
| 59) Diethylphthalate | 15.521 | 149 | 559642 | 46.587 ng/ul | 100 |
| 61) Fluorene | 15.762 | 166 | 506507 | 45.883 ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.750 | 204 | 250705 | 45.213 ng/ul | 90 |
| 63) 4-Nitroaniline | 15.779 | 138 | 69770 | 33.402 ng/ul# | 80 |
| 66) 4,6-Dinitro-2-methylph... | 15.838 | 198 | 110766 | 58.360 ng/ul# | 88 |
| 67) N-Nitrosodiphenylamine | 15.967 | 169 | 446768 | 48.718 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.643 | 248 | 190182 | 49.922 ng/ul | 100 |
| 69) Hexachlorobenzene | 16.761 | 284 | 224901 | 51.341 ng/ul | 95 |
| 70) Atrazine | 16.908 | 200 | 95065 | 26.260 ng/ul | 98 |
| 71) Pentachlorophenol | 17.101 | 266 | 113762 | 47.246 ng/ul | 94 |
| 72) Phenanthrene | 17.501 | 178 | 830980 | 46.932 ng/ul | 99 |
| 74) Anthracene | 17.595 | 178 | 826547 | 45.171 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.517 | 216 | 197999 | 47.474 ng/ul | 94 |
| 76) Pentachlorobenzene | 15.027 | 250 | 215857 | 45.378 ng/ul | 97 |
| 77) Carbazole | 17.859 | 167 | 750398 | 48.729 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.406 | 149 | 919964 | 46.531 ng/ul | 99 |
| 80) Fluoranthene | 19.505 | 202 | 968526 | 46.489 ng/ul# | 94 |
| 82) Pyrene | 19.863 | 202 | 1001077 | 46.517 ng/ul# | 93 |
| 83) Butylbenzylphthalate | 20.738 | 149 | 415550 | 46.010 ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.608 | 252 | 151118 | 21.224 ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.702 | 228 | 1035915 | 47.804 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.590 | 149 | 580732 | 44.809 ng/ul | 99 |
| 87) Chrysene | 21.767 | 228 | 988952 | 48.750 ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.812 | 149 | 1023945 | 46.608 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.929 | 252 | 1102618 | 48.668 ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.999 | 252 | 1108316 | 49.057 ng/ul# | 96 |
| 93) Benzo(a)pyrene | 24.810 | 252 | 933880 | 43.530 ng/ul# | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 28.658 | 276 | 1408522 | 51.376 ng/ul# | 94 |
| 95) Dibenzo(a,h)anthracene | 28.717 | 278 | 1139157 | 50.309 ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 29.816 | 276 | 1056542m | 48.440 ng/ul | |

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

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BNA_G
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