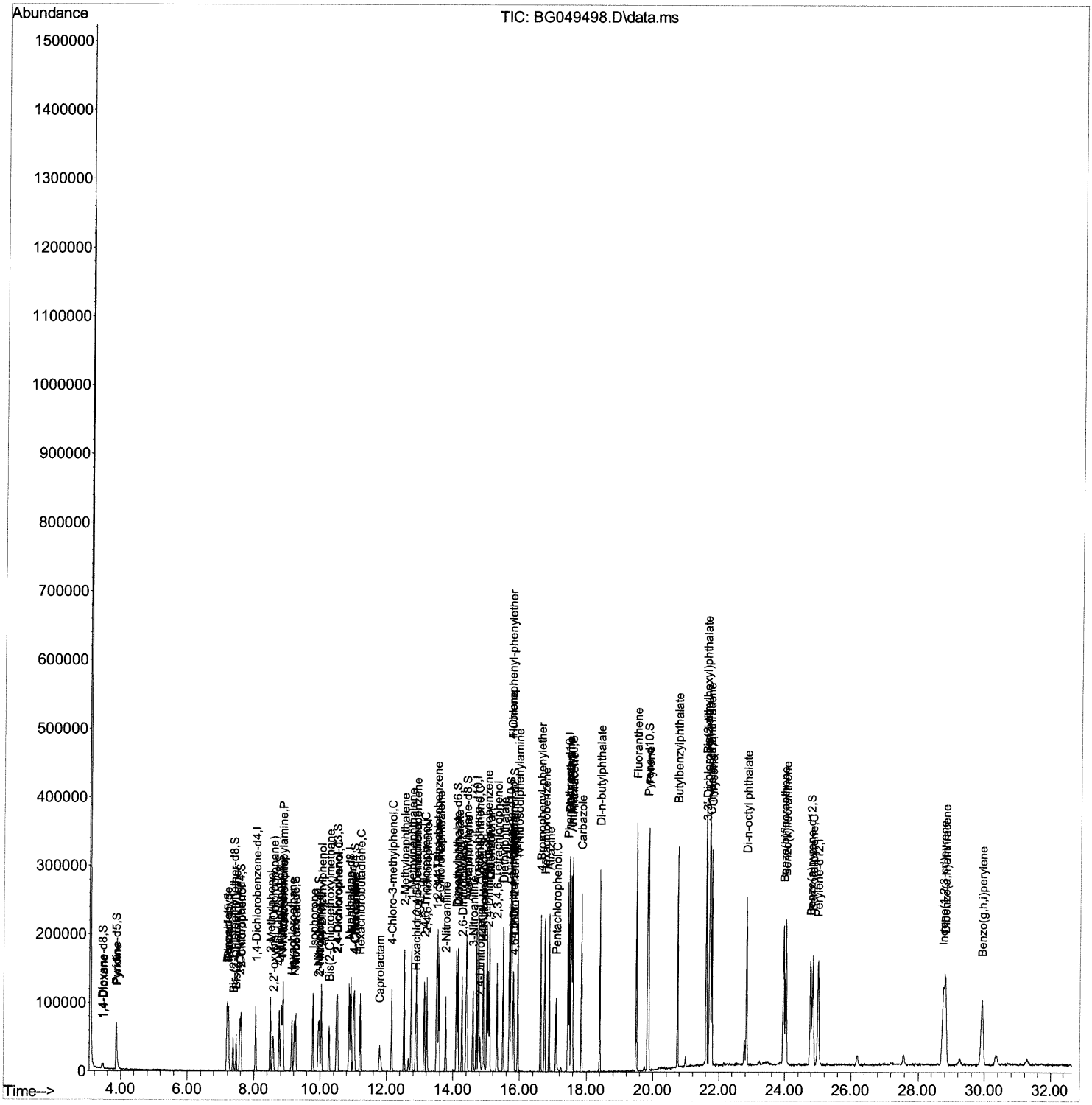
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072621\
Data File : BG049498.D
Acq On : 27 Jul 2021 5:00
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 06:04:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 26 11:36:47 2021
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
7/28/2021 11:29:25 AM



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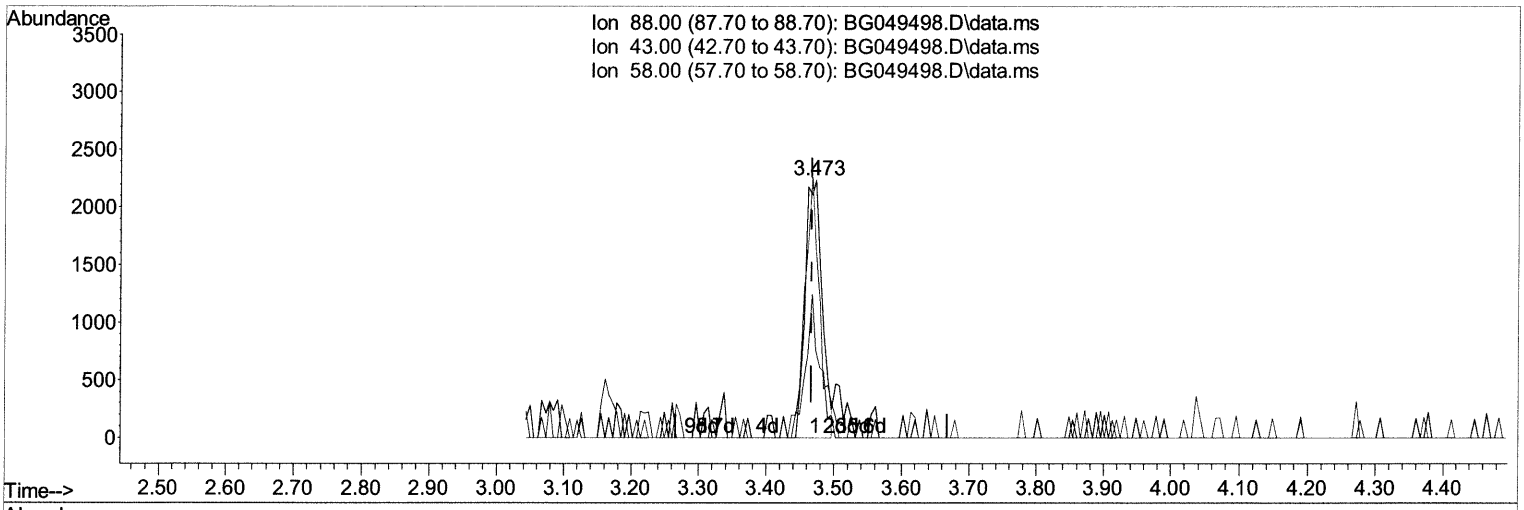


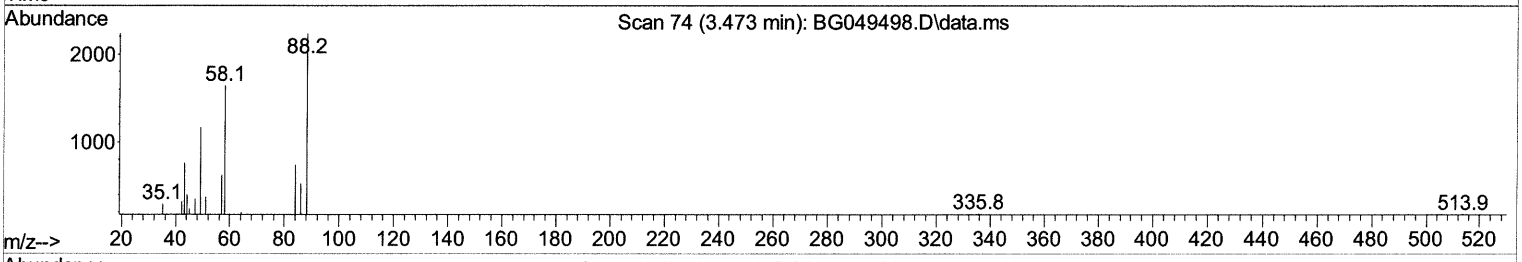


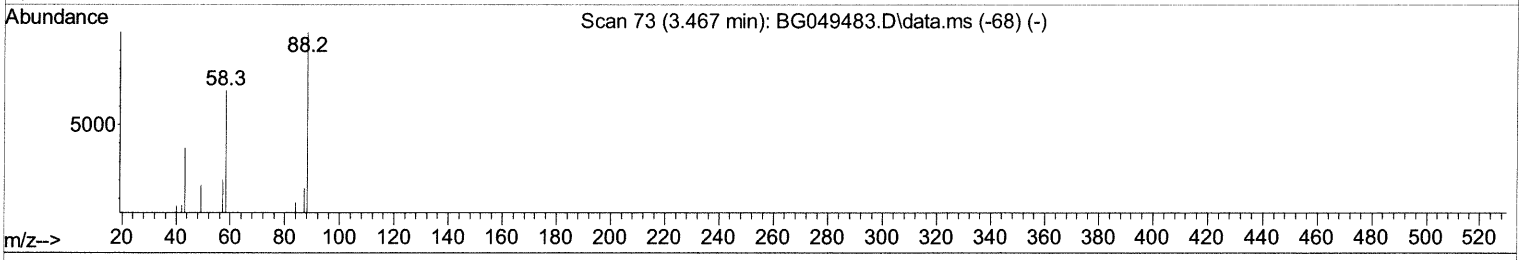


TIC: BG049498.D\data.ms

**(2) 1,4-Dioxane**

**3.473min (+ 0.006) 5.15 ng/uL**

**response 3902**

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 36.90 | 33.94 |
| 58.00 | 71.00 | 73.57 |
| 0.00 | 0.00 | 0.00 |

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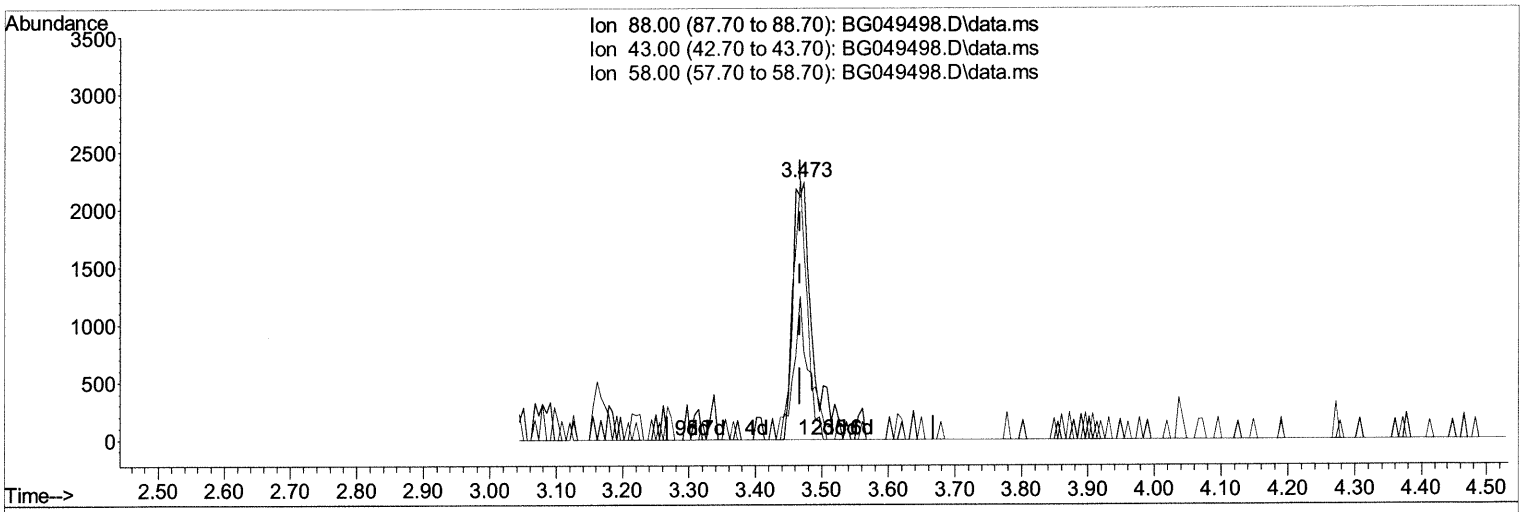
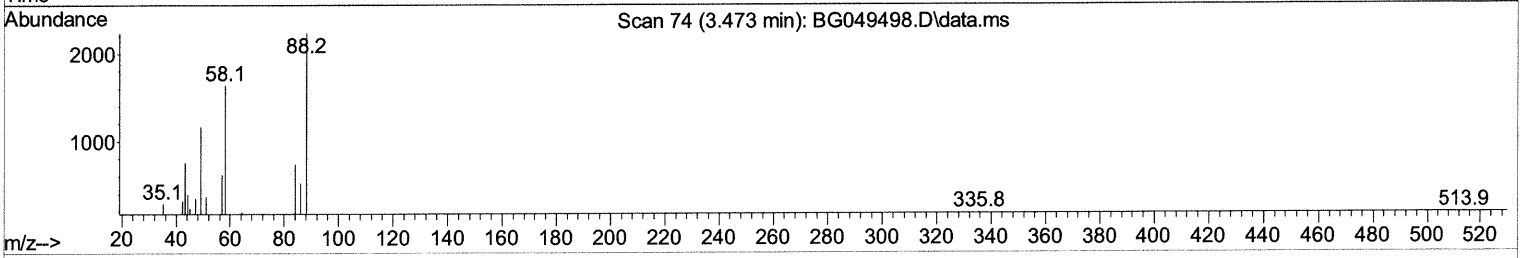
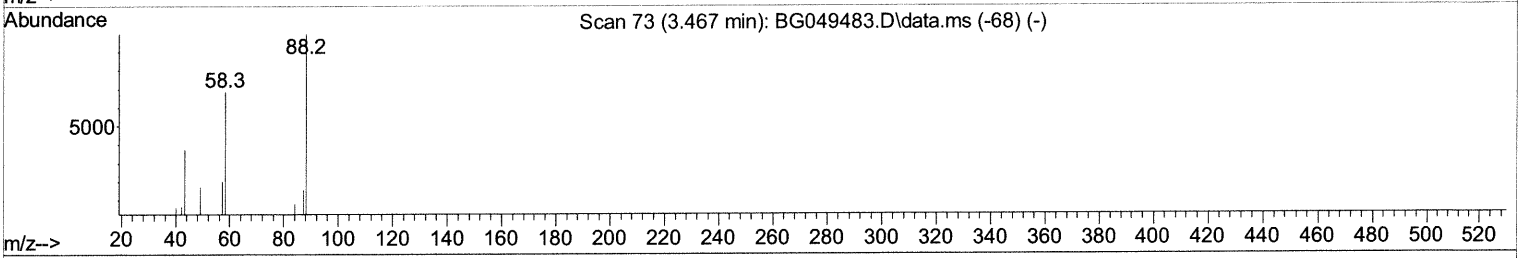
**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
mohammad
7/28/2021 11:29:25 AM




TIC: BG049498.D\data.ms

(2) 1,4-Dioxane

3.473min (+ 0.006) 5.86 ng/uL m 07/29/21 JU

response 4444

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 36.90 | 33.94 |
| 58.00 | 71.00 | 73.57 |
| 0.00 | 0.00 | 0.00 |

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SSTDCCC020

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mohammad
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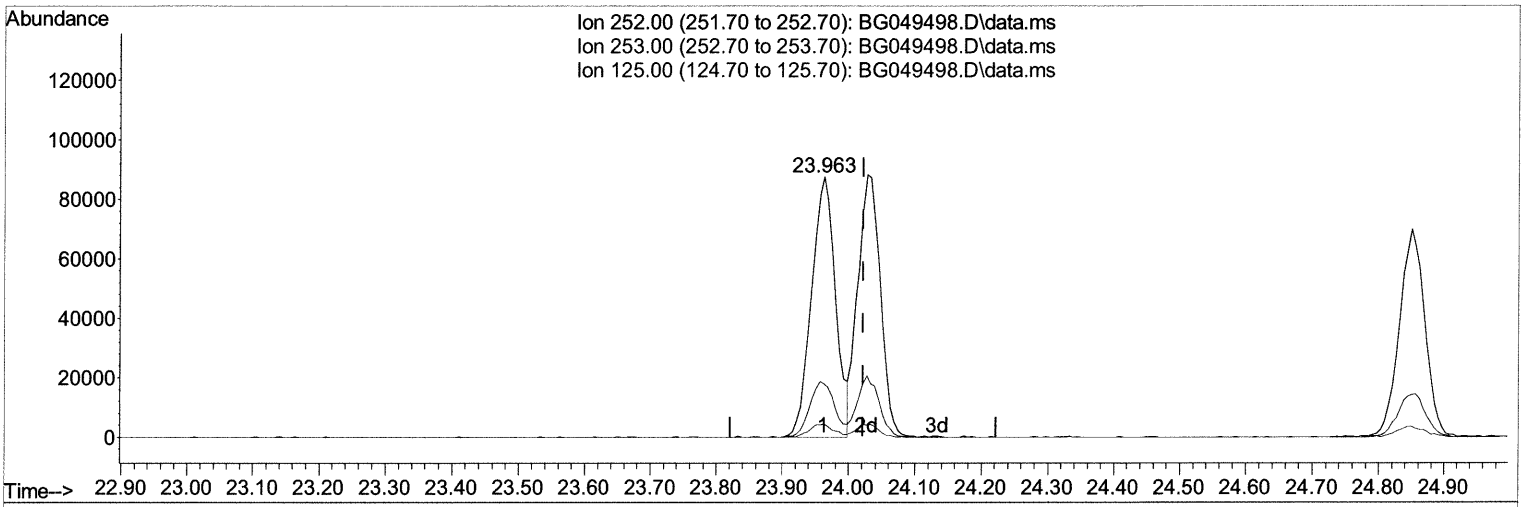


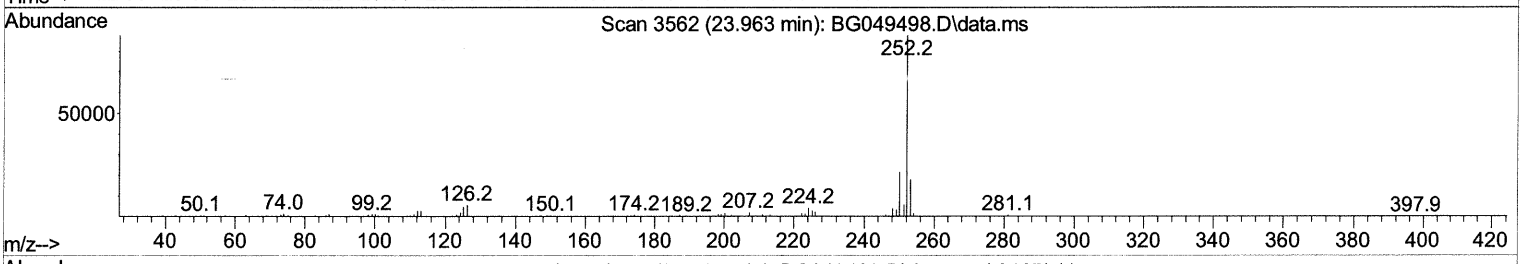


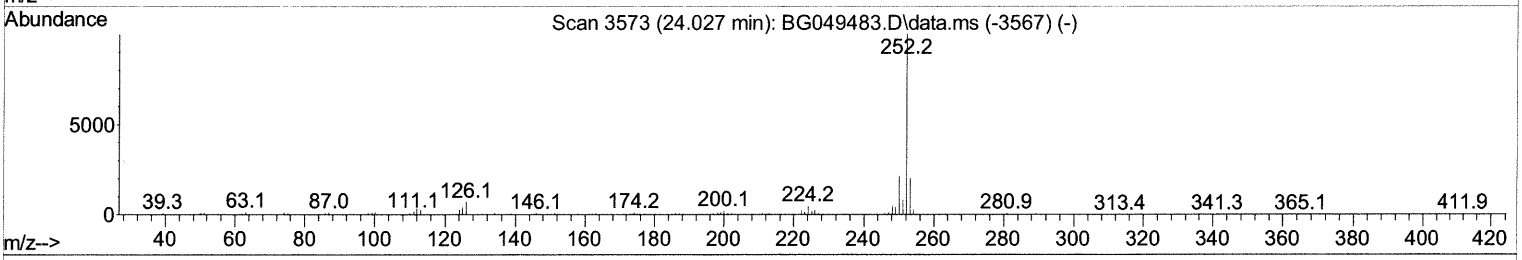


TIC: BG049498.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.963min (-0.059) 22.01 ng/ul**

**response 219419**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.60 | 20.35 |
| 125.00 | 5.80 | 5.15 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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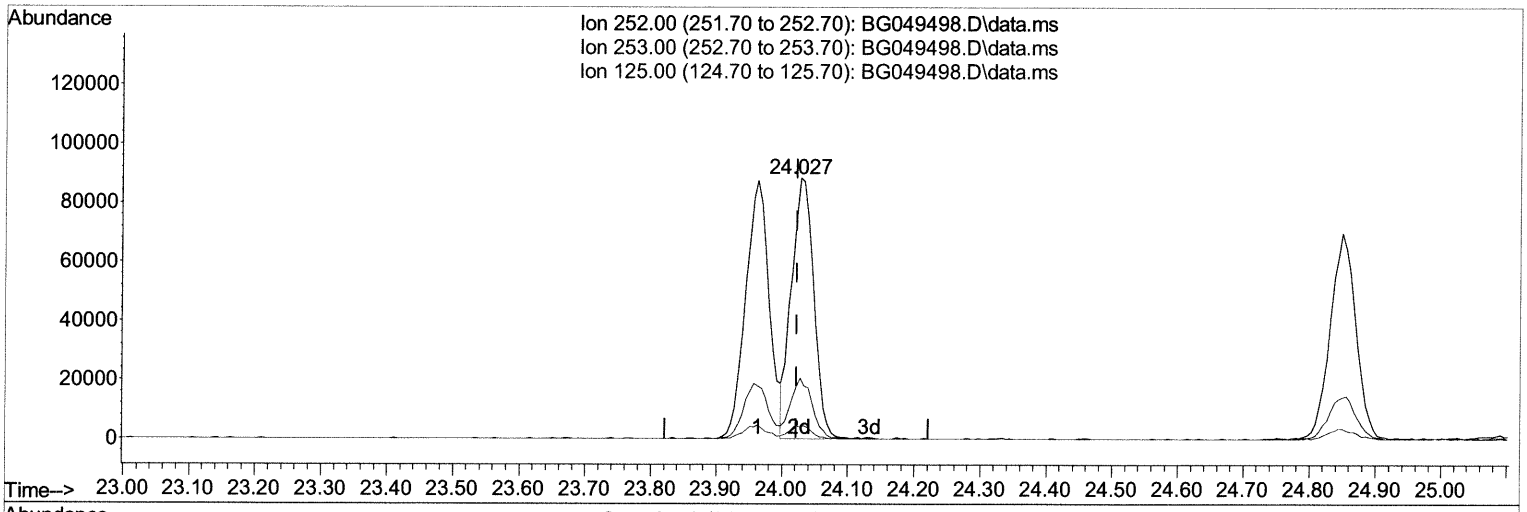
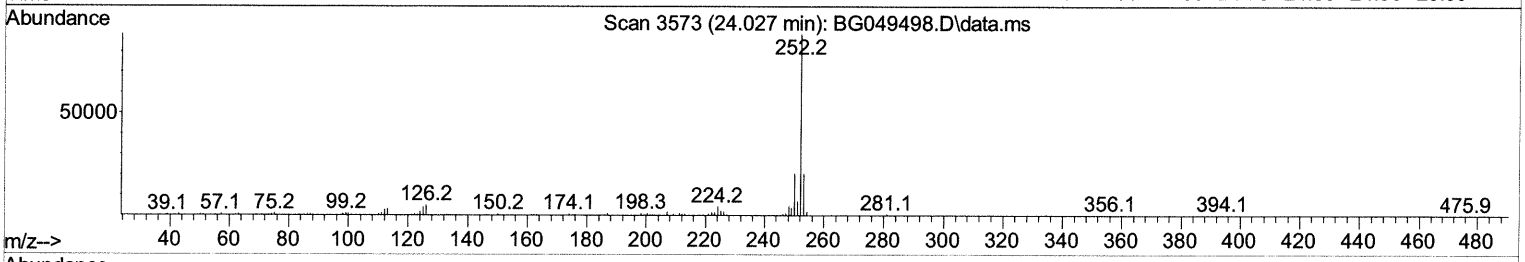
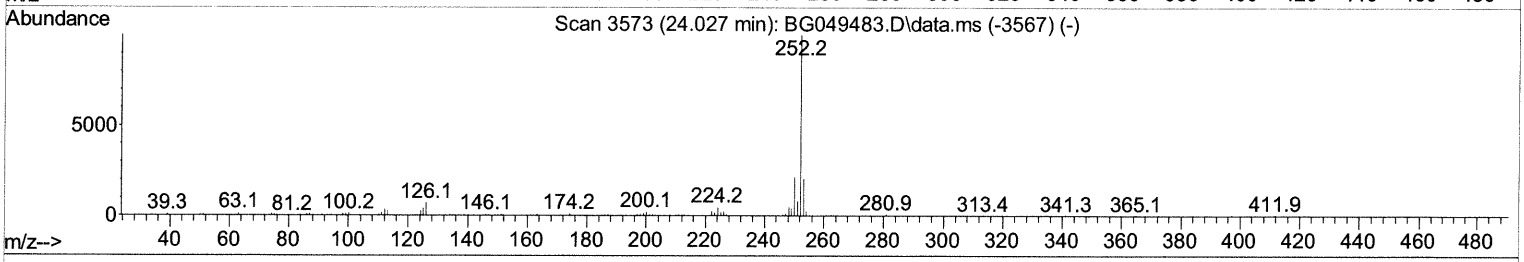
**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
mohammad
7/28/2021 11:29:25 AM




TIC: BG049498.D\data.ms

**(91) Benzo(k)fluoranthene**

**24.027min (+ 0.005) 20.86 ng/ul m** 07/29/21 JU

**response 207957**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.60 | 23.18 |
| 125.00 | 5.80 | 4.47# |
| 0.00 | 0.00 | 0.00 |

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Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
7/28/2021 11:29:25 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.049 | 152 | 25371 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.869 | 136 | 102193 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.699 | 164 | 73095 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.448 | 188 | 176387 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.730 | 240 | 161209 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.008 | 264 | 162503 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.426 | 96 | 3719 | 6.706 | ng/uL | -0.01 |
| 4) Pyridine-d5 | 3.855 | 84 | 29573 | 18.566 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.203 | 99 | 42137 | 18.772 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.367 | 67 | 23294 | 18.323 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.573 | 132 | 32237 | 20.035 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.754 | 113 | 31750 | 18.765 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.218 | 128 | 14676 | 18.679 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.940 | 143 | 18361 | 19.942 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.487 | 165 | 35530 | 21.218 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.004 | 131 | 43563 | 18.667 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.094 | 166 | 110473 | 19.730 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.393 | 160 | 127353 | 19.583 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.893 | 143 | 19003 | 20.609 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.691 | 176 | 98854 | 20.493 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200 | 18916 | 17.306 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.548 | 188 | 160294 | 19.553 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.833 | 212 | 179487 | 21.774 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.779 | 264 | 181265 | 21.223 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.473 | 88 | 4444m | 5.863 | ng/uL | > 07/29/21 JU |
| 5) Pyridine | 3.878 | 79 | 29756 | 17.465 | ng/ul | 97 |
| 6) Benzaldehyde | 7.179 | 77 | 30301 | 22.622 | ng/ul | 95 |
| 8) Phenol | 7.226 | 94 | 44376 | 20.237 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.461 | 93 | 29242 | 19.357 | ng/ul | 93 |
| 12) 2-Chlorophenol | 7.608 | 128 | 32951 | 21.271 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.489 | 108 | 35084 | 20.993 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.578 | 45 | 34072 | 19.246 | ng/ul | 98 |
| 16) Acetophenone | 8.871 | 105 | 54804 | 20.125 | ng/ul# | 93 |
| 17) N-Nitroso-di-n-propyla... | 8.854 | 70 | 28515 | 20.307 | ng/ul# | 92 |
| 18) 4-Methylphenol | 8.818 | 108 | 35930 | 20.436 | ng/ul | 99 |
| 19) Hexachloroethane | 9.136 | 117 | 14649 | 20.991 | ng/ul | 84 |
| 22) Nitrobenzene | 9.259 | 77 | 48179 | 20.537 | ng/ul | 94 |
| 23) Isophorone | 9.782 | 82 | 80809 | 20.557 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.976 | 139 | 18632 | 21.504 | ng/ul | 90 |
| 26) 2,4-Dimethylphenol | 10.034 | 107 | 46356 | 22.448 | ng/ul | 92 |
| 27) Bis(2-Chloroethoxy)met... | 10.264 | 93 | 39391 | 20.091 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.516 | 162 | 33450 | 20.435 | ng/ul | 92 |
| 30) Naphthalene | 10.921 | 128 | 108898 | 20.687 | ng/ul# | 94 |
| 32) 4-Chloroaniline | 11.027 | 127 | 45163 | 20.344 | ng/ul# | 88 |
| 33) Hexachlorobutadiene | 11.198 | 225 | 26149 | 20.894 | ng/ul | 91 |
| 34) Caprolactam | 11.779 | 113 | 10951 | 19.670 | ng/ul | 87 |
| 35) 4-Chloro-3-methylphenol | 12.149 | 107 | 41396 | 22.476 | ng/ul | 97 |

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mohammad
7/28/2021 11:29:25 AM

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.525 | 142 | 81146 | 21.062 ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.742 | 142 | 79923 | 20.529 ng/ul | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 12.895 | 216 | 45057 | 20.740 ng/ul | 94 |
| 40) Hexachlorocyclopentadiene | 12.872 | 237 | 16824 | 12.852 ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 13.130 | 196 | 29799 | 22.320 ng/ul | 86 |
| 42) 2,4,5-Trichlorophenol | 13.207 | 196 | 32876 | 23.058 ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.530 | 154 | 108324 | 20.811 ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.577 | 162 | 87201 | 21.529 ng/ul | 94 |
| 45) 2-Nitroaniline | 13.776 | 65 | 31224 | 21.722 ng/ul | 97 |
| 47) Dimethylphthalate | 14.146 | 163 | 109423 | 20.096 ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.270 | 165 | 24311 | 22.372 ng/ul# | 86 |
| 50) Acenaphthylene | 14.423 | 152 | 132785 | 21.380 ng/ul | 98 |
| 51) 3-Nitroaniline | 14.599 | 138 | 24588 | 22.687 ng/ul# | 79 |
| 52) Acenaphthene | 14.763 | 153 | 93308 | 20.948 ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.804 | 184 | 10537 | 19.462 ng/ul# | 74 |
| 55) 4-Nitrophenol | 14.910 | 109 | 27369 | 21.890 ng/ul | 97 |
| 56) Dibenzofuran | 15.098 | 168 | 134653 | 22.388 ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.057 | 165 | 36766 | 23.868 ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232 | 30803 | 23.807 ng/ul# | 96 |
| 59) Diethylphthalate | 15.503 | 149 | 117275 | 20.811 ng/ul | 99 |
| 61) Fluorene | 15.744 | 166 | 113854 | 22.298 ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.738 | 204 | 59016 | 22.204 ng/ul# | 86 |
| 63) 4-Nitroaniline | 15.762 | 138 | 27347 | 25.445 ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.827 | 198 | 18506 | 18.393 ng/ul# | 85 |
| 67) N-Nitrosodiphenylamine | 15.950 | 169 | 96086 | 20.786 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248 | 41722 | 21.243 ng/ul | 94 |
| 69) Hexachlorobenzene | 16.755 | 284 | 46783 | 21.053 ng/ul | 96 |
| 70) Atrazine | 16.896 | 200 | 44465 | 21.061 ng/ul | 96 |
| 71) Pentachlorophenol | 17.101 | 266 | 21733 | 21.123 ng/ul | 93 |
| 72) Phenanthrene | 17.489 | 178 | 190853 | 20.784 ng/ul | 96 |
| 74) Anthracene | 17.583 | 178 | 190837 | 20.509 ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216 | 48319 | 20.160 ng/uL | 98 |
| 76) Pentachlorobenzene | 15.016 | 250 | 53846 | 21.233 ng/uL | 95 |
| 77) Carbazole | 17.847 | 167 | 169894 | 20.422 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.400 | 149 | 205485 | 19.863 ng/ul | 99 |
| 80) Fluoranthene | 19.498 | 202 | 228342 | 22.814 ng/ul | 99 |
| 82) Pyrene | 19.862 | 202 | 224704 | 22.612 ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.738 | 149 | 86102 | 22.255 ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.619 | 252 | 69963 | 18.888 ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.707 | 228 | 210010 | 21.307 ng/ul | 94 |
| 86) Bis(2-ethylhexyl)phtha... | 21.607 | 149 | 126185 | 21.977 ng/ul | 97 |
| 87) Chrysene | 21.777 | 228 | 198661 | 21.058 ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.835 | 149 | 207598 | 21.733 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.963 | 252 | 219419 | 21.543 ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 24.027 | 252 | 207957m | 20.862 ng/ul | 07/29/21 JU |
| 93) Benzo(a)pyrene | 24.850 | 252 | 187434 | 21.212 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.750 | 276 | 248301 | 22.023 ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 28.815 | 278 | 211266 | 22.644 ng/ul | 96 |
| 96) Benzo(g,h,i)perylene | 29.925 | 276 | 208880 | 22.284 ng/ul# | 94 |

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