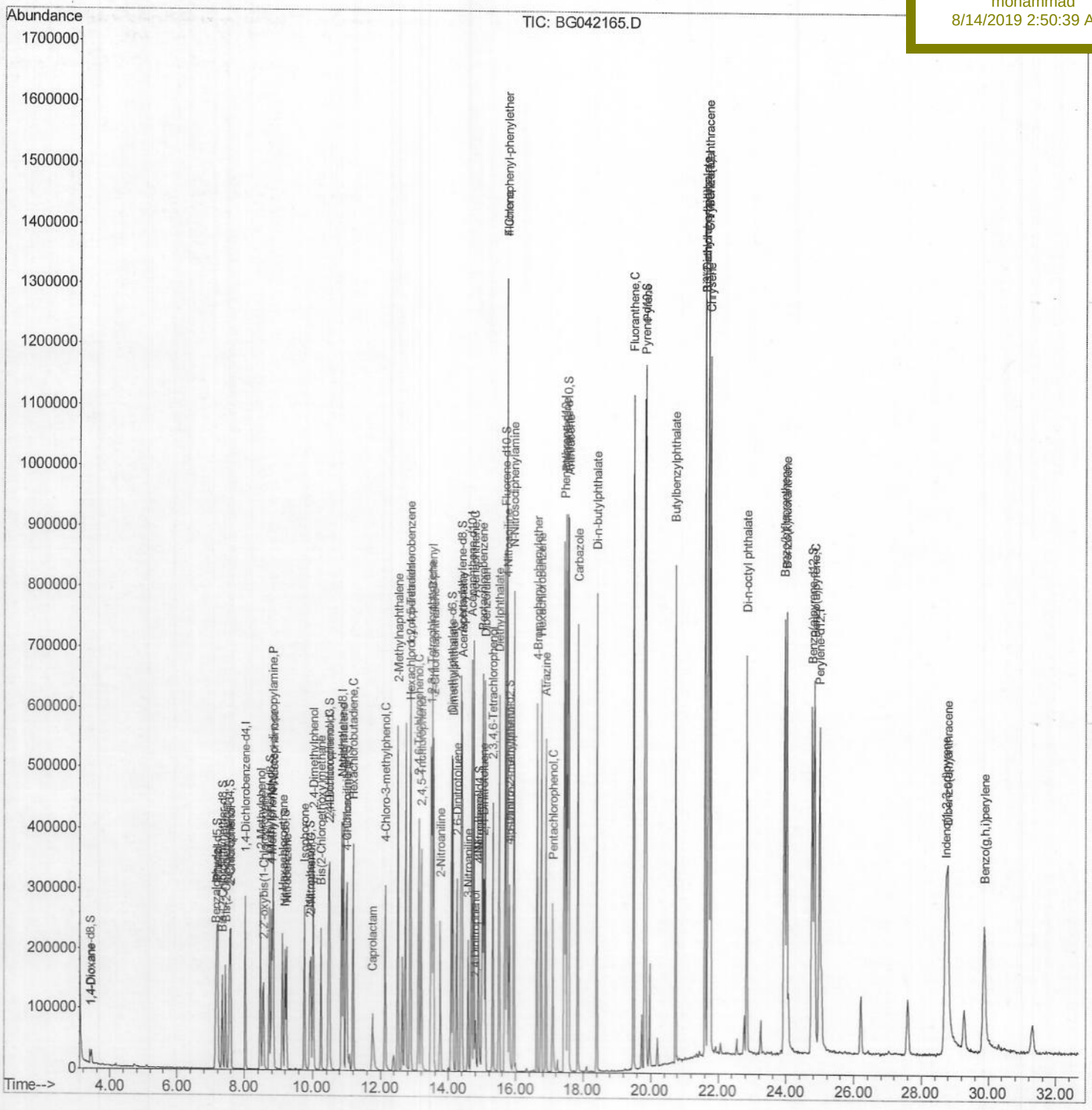
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081219\
Data File : BG042165.D
Acq On : 13 Aug 2019 3:25
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 13 13:57:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02053

**Manual Integrations APPROVED**
mohammad
8/14/2019 2:50:39 AM



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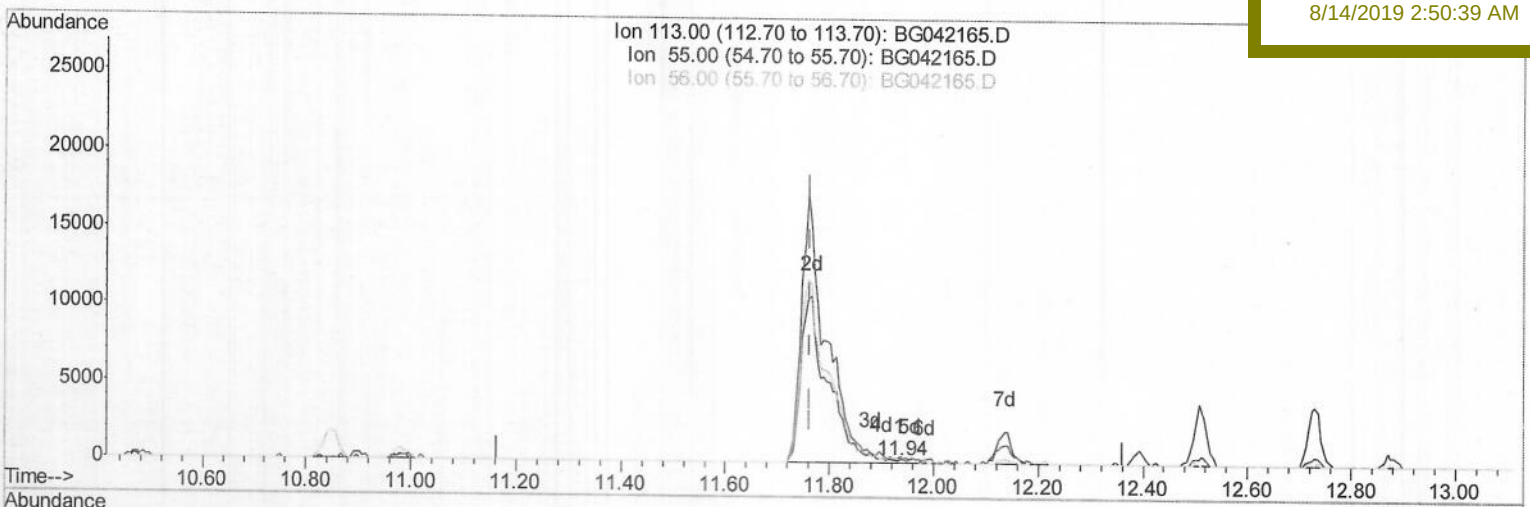


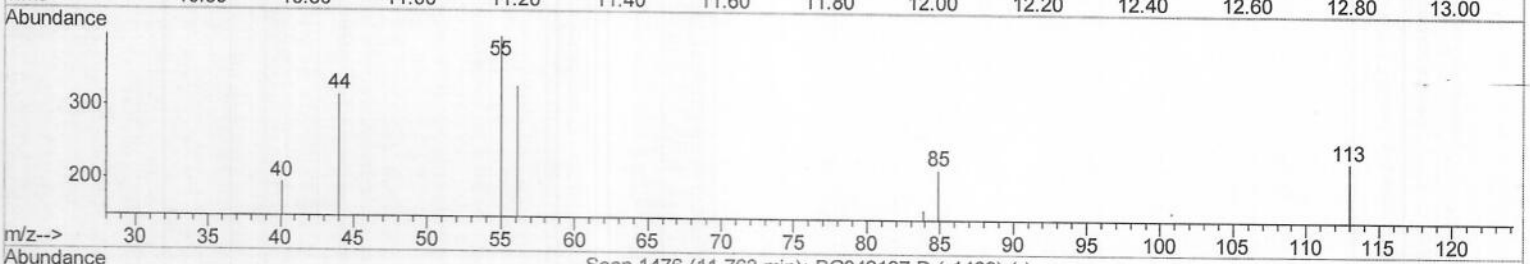


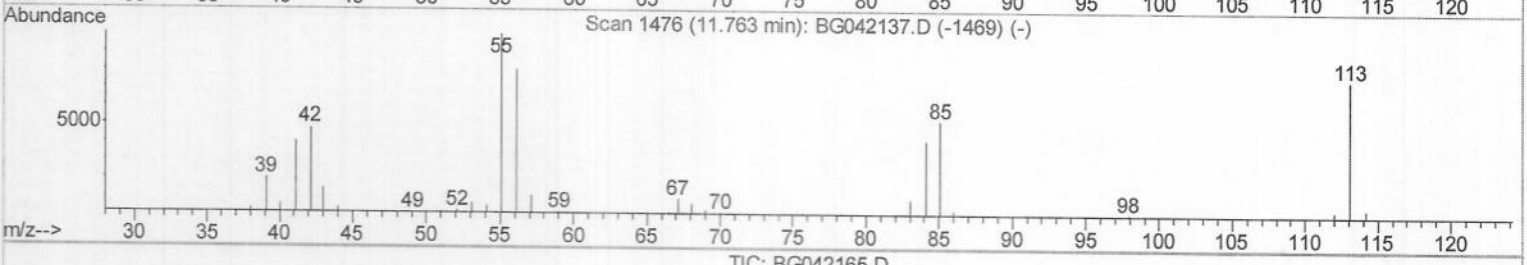


TIC: BG042165.D

(32) Caprolactam

11.936min (+0.173) 0.10ng/ul

response 222

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 171.86 |
| 56.00 | 136.80 | 142.42 |
| 0.00 | 0.00 | 0.00 |

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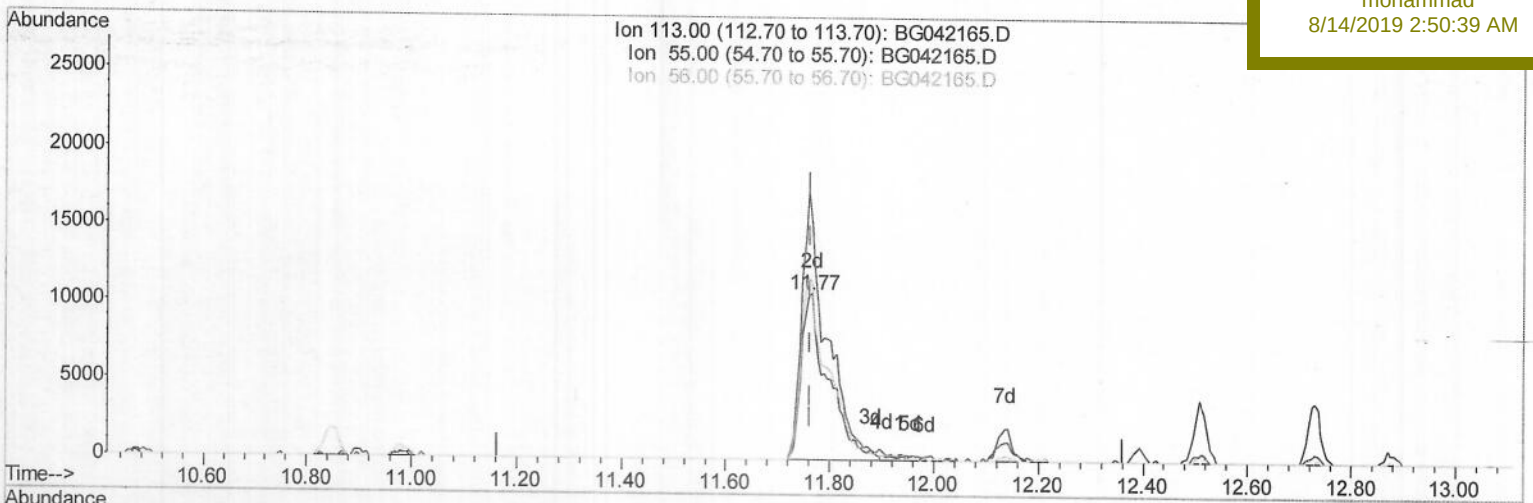


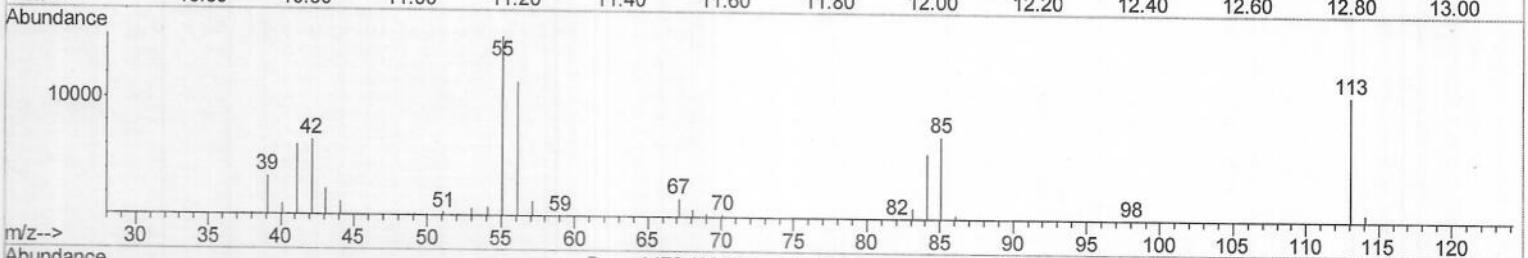


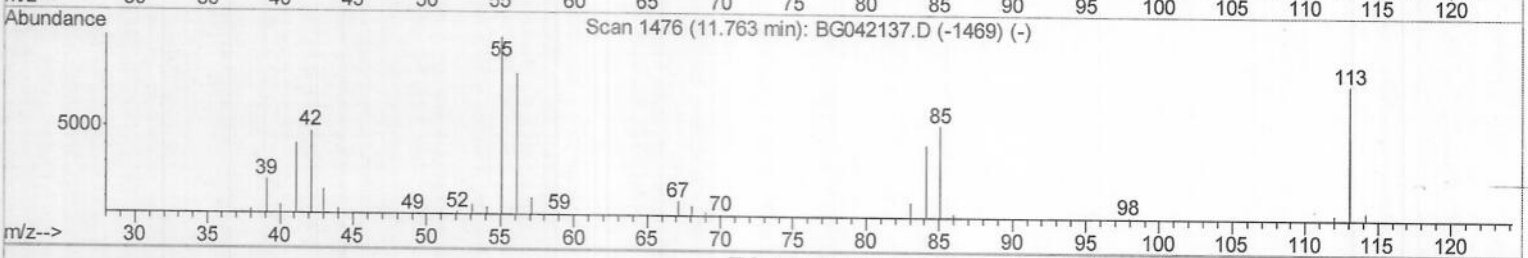


TIC: BG042165.D

(32) Caprolactam

11.766min (+0.003) 17.48ng/ul m) JU 08/14/19

response 38366

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 142.21# |
| 56.00 | 136.80 | 106.53# |
| 0.00 | 0.00 | 0.00 |

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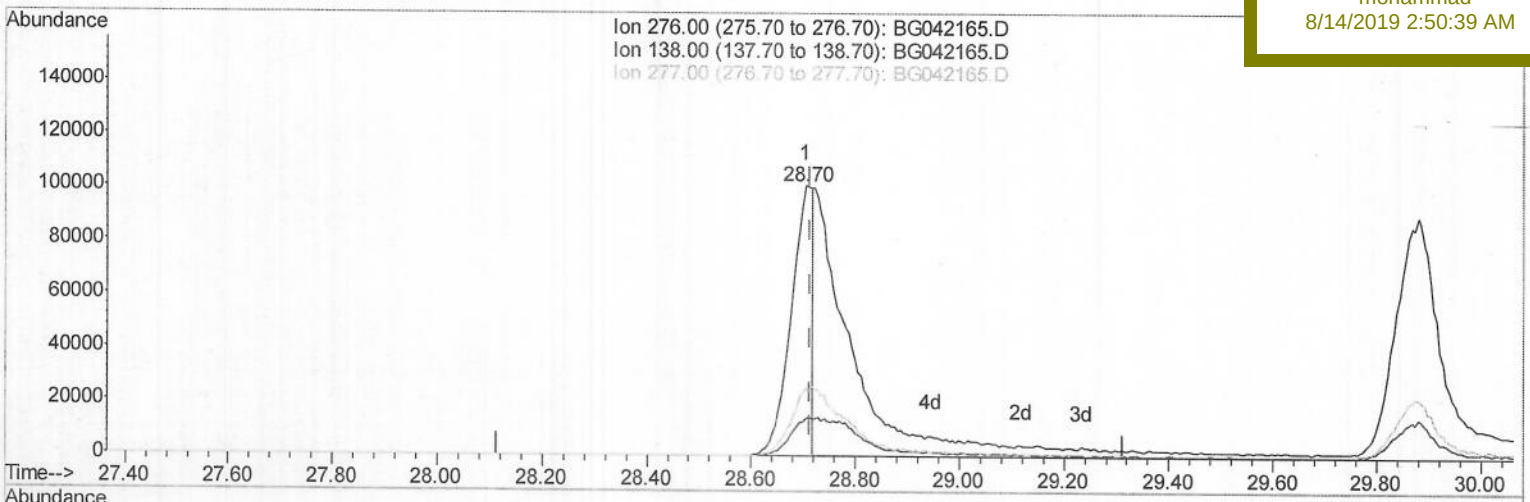


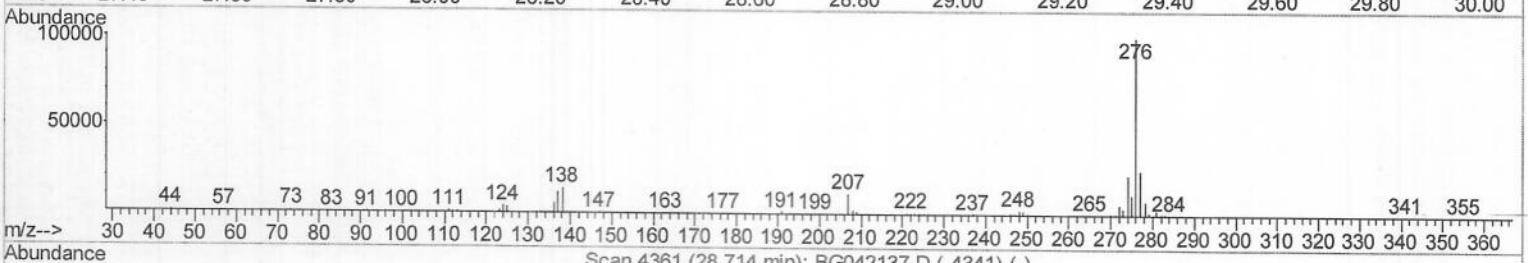


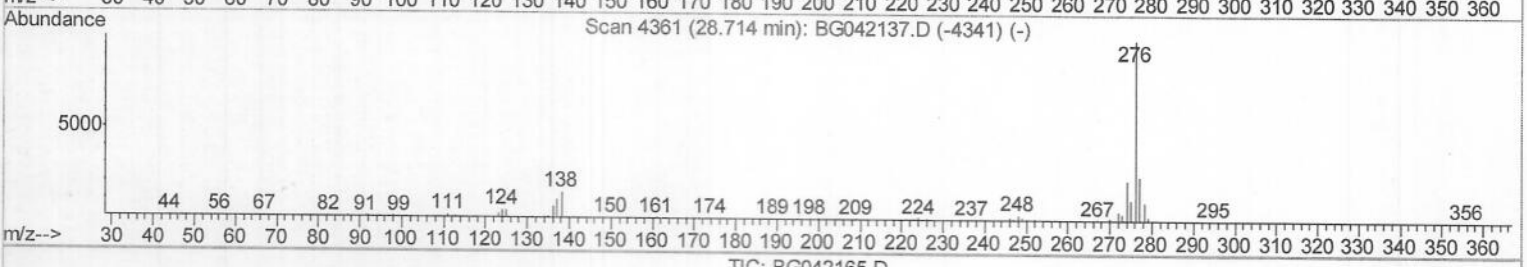


TIC: BG042165.D

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

28.705min (-0.009) 6.43ng/ul

response 283122

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 15.00 | 13.84 |
| 277.00 | 24.00 | 24.85 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081219\
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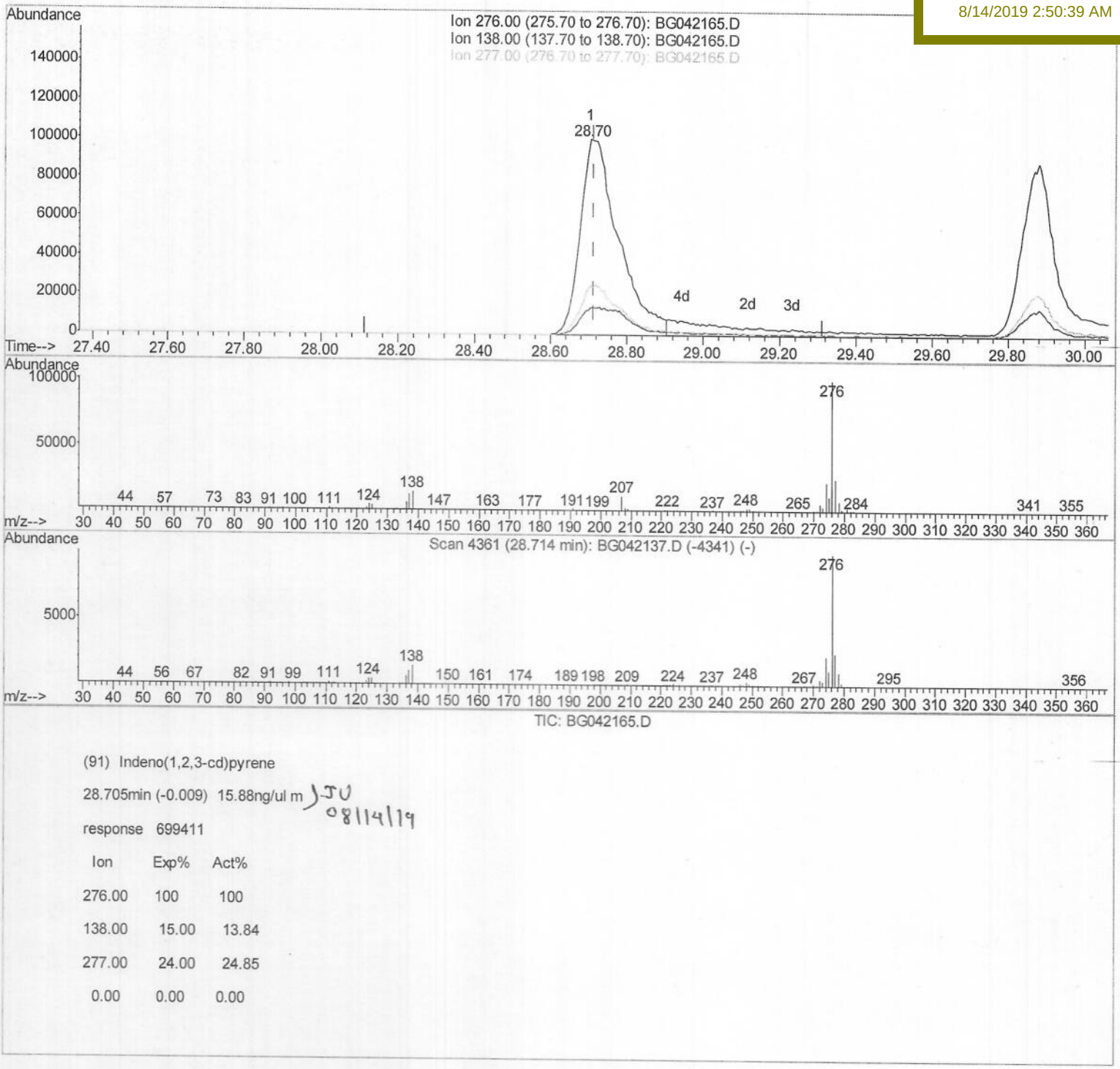
**Instrument :**
BNA_G
**LabSampleId :**
SSTD02053

**Manual Integrations APPROVED**
mohammad
8/14/2019 2:50:39 AM




TIC: BG042165.D

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

28.705min (-0.009) 15.88ng/ul m JJU 08/14/19

response 699411

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 15.00 | 13.84 |
| 277.00 | 24.00 | 24.85 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** BNA_G
**LabSampleId :** SSTD02053

**Manual Integrations APPROVED**
mohammad
8/14/2019 2:50:39 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 92054 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.85 | 136 | 387618 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.69 | 164 | 261964 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.44 | 188 | 585686 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.72 | 240 | 573207 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 24.99 | 264 | 631423 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.41 | 96 | 13514 | 6.42 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 145928 | 20.20 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.34 | 67 | 73453 | 18.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.55 | 132 | 127856 | 20.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.74 | 113 | 120754 | 19.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.19 | 128 | 62050 | 21.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.92 | 143 | 77431 | 22.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.47 | 165 | 154131 | 22.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.98 | 131 | 162476 | 21.41 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.09 | 166 | 423098 | 20.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.37 | 160 | 517610 | 22.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.88 | 143 | 64146 | 18.80 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.68 | 176 | 387926 | 21.46 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 71223 | 18.95 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.54 | 188 | 583934 | 20.78 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.82 | 212 | 660759 | 20.66 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 24.76 | 264 | 733360 | 22.23 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 13777 | 6.320 | ng/uL# | 90 |
| 4) Benzaldehyde | 7.15 | 77 | 60373 | 17.687 | ng/ul | 93 |
| 6) Phenol | 7.21 | 94 | 143734 | 19.275 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.44 | 93 | 104582 | 18.435 | ng/ul | 91 |
| 10) 2-Chlorophenol | 7.59 | 128 | 125169 | 19.993 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.47 | 108 | 114440 | 19.141 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 139113 | 14.497 | ng/ul# | 91 |
| 14) Acetophenone | 8.85 | 105 | 178074 | 19.089 | ng/ul | 93 |
| 15) N-Nitroso-di-n-propylamine | 8.83 | 70 | 80249 | 16.285 | ng/ul | 92 |
| 16) 4-Methylphenol | 8.80 | 108 | 123191 | 19.073 | ng/ul | 91 |
| 17) Hexachloroethane | 9.12 | 117 | 44872 | 17.308 | ng/ul | 94 |
| 20) Nitrobenzene | 9.23 | 77 | 119928 | 18.046 | ng/ul | 90 |
| 21) Isophorone | 9.76 | 82 | 223557 | 16.872 | ng/ul | 94 |
| 23) 2-Nitrophenol | 9.95 | 139 | 79310 | 21.912 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 10.01 | 107 | 134806 | 18.877 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.24 | 93 | 144549 | 18.375 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.49 | 162 | 142026 | 20.941 | ng/ul | 98 |
| 28) Naphthalene | 10.90 | 128 | 389772 | 19.669 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.00 | 127 | 155390 | 20.374 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.19 | 225 | 102907 | 19.985 | ng/ul | 97 |
| 32) Caprolactam | 11.77 | 113 | 38366m) | 17.485 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.14 | 107 | 126114 | 18.873 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.51 | 142 | 310066 | 19.686 | ng/ul | 98 |

JU 08/14/19

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**LabSampleId :** SSTD02053

**Manual Integrations APPROVED**
mohammad
8/14/2019 2:50:39 AM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 200921 | 21.451 ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 12.86 | 237 | 113052 | 19.118 ng/ul | 95 |
| 38) 2,4,6-Trichlorophenol | 13.12 | 196 | 125299 | 21.616 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.19 | 196 | 134737 | 20.839 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.52 | 154 | 396457 | 20.813 ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.56 | 162 | 327379 | 21.344 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.76 | 65 | 69089 | 17.219 ng/ul | 84 |
| 44) Dimethylphthalate | 14.13 | 163 | 397726 | 19.716 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.25 | 165 | 92176 | 21.007 ng/ul | 90 |
| 47) Acenaphthylene | 14.40 | 152 | 469967 | 20.063 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.58 | 138 | 72910 | 20.836 ng/ul | 92 |
| 49) Acenaphthene | 14.75 | 153 | 333768 | 20.378 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.80 | 184 | 33117 | 13.793 ng/ul | 98 |
| 52) 4-Nitrophenol | 14.90 | 109 | 40715 | 16.106 ng/ul | 92 |
| 53) Dibenzofuran | 15.09 | 168 | 493617 | 20.193 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 15.04 | 165 | 127823 | 20.035 ng/ul# | 83 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 116952 | 19.087 ng/ul | 100 |
| 56) Diethylphthalate | 15.50 | 149 | 381430 | 19.008 ng/ul | 98 |
| 58) Fluorene | 15.73 | 166 | 389955 | 19.805 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.73 | 204 | 229993 | 20.116 ng/ul | 98 |
| 60) 4-Nitroaniline | 15.75 | 138 | 72648 | 18.634 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 73960 | 18.269 ng/ul | 96 |
| 64) N-Nitrosodiphenylamine | 15.94 | 169 | 359115 | 20.667 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.62 | 248 | 161633 | 20.846 ng/ul | 98 |
| 66) Hexachlorobenzene | 16.75 | 284 | 163483 | 20.993 ng/ul# | 89 |
| 67) Atrazine | 16.89 | 200 | 133422 | 18.321 ng/ul | 98 |
| 68) Pentachlorophenol | 17.09 | 266 | 71387 | 16.831 ng/ul | 93 |
| 69) Phenanthrene | 17.48 | 178 | 634354 | 19.784 ng/ul | 100 |
| 71) Anthracene | 17.57 | 178 | 640212 | 19.687 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.48 | 216 | 204130 | 21.871 ng/uL | 97 |
| 73) Pentachlorobenzene | 15.01 | 250 | 206227 | 21.853 ng/uL | 98 |
| 74) Carbazole | 17.84 | 167 | 551057 | 20.457 ng/ul | 99 |
| 75) Di-n-butylphthalate | 18.40 | 149 | 620717 | 18.696 ng/ul | 99 |
| 76) Fluoranthene | 19.49 | 202 | 778731 | 21.020 ng/ul | 99 |
| 79) Pyrene | 19.85 | 202 | 757498 | 19.646 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.74 | 149 | 278816 | 18.372 ng/ul | 93 |
| 81) 3,3'-Dichlorobenzidine | 21.61 | 252 | 286918 | 22.023 ng/ul# | 97 |
| 82) Benzo(a)anthracene | 21.70 | 228 | 793546 | 19.967 ng/ul | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 373954 | 18.059 ng/ul | 100 |
| 84) Chrysene | 21.77 | 228 | 745920 | 20.109 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.84 | 149 | 657970 | 21.061 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 23.95 | 252 | 787067 | 19.863 ng/ul | 100 |
| 88) Benzo(k)fluoranthene | 24.02 | 252 | 805909 | 21.153 ng/ul | 99 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 763063 | 20.209 ng/ul | 100 |
| 91) Indeno(1,2,3-cd)pyrene | 28.70 | 276 | 699411m | 15.881 ng/ul | ) JO 08/14/19 |
| 92) Dibenzo(a,h)anthracene | 28.79 | 278 | 572709 | 15.942 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 29.88 | 276 | 497960 | 13.542 ng/ul | 100 |

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