Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022778.D
Acq On : 2 Jul 2016 4:27
Operator : UM/SJ
Sample : SSTDCCC020EC

Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 05:18:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02012

**Manual Integrations**
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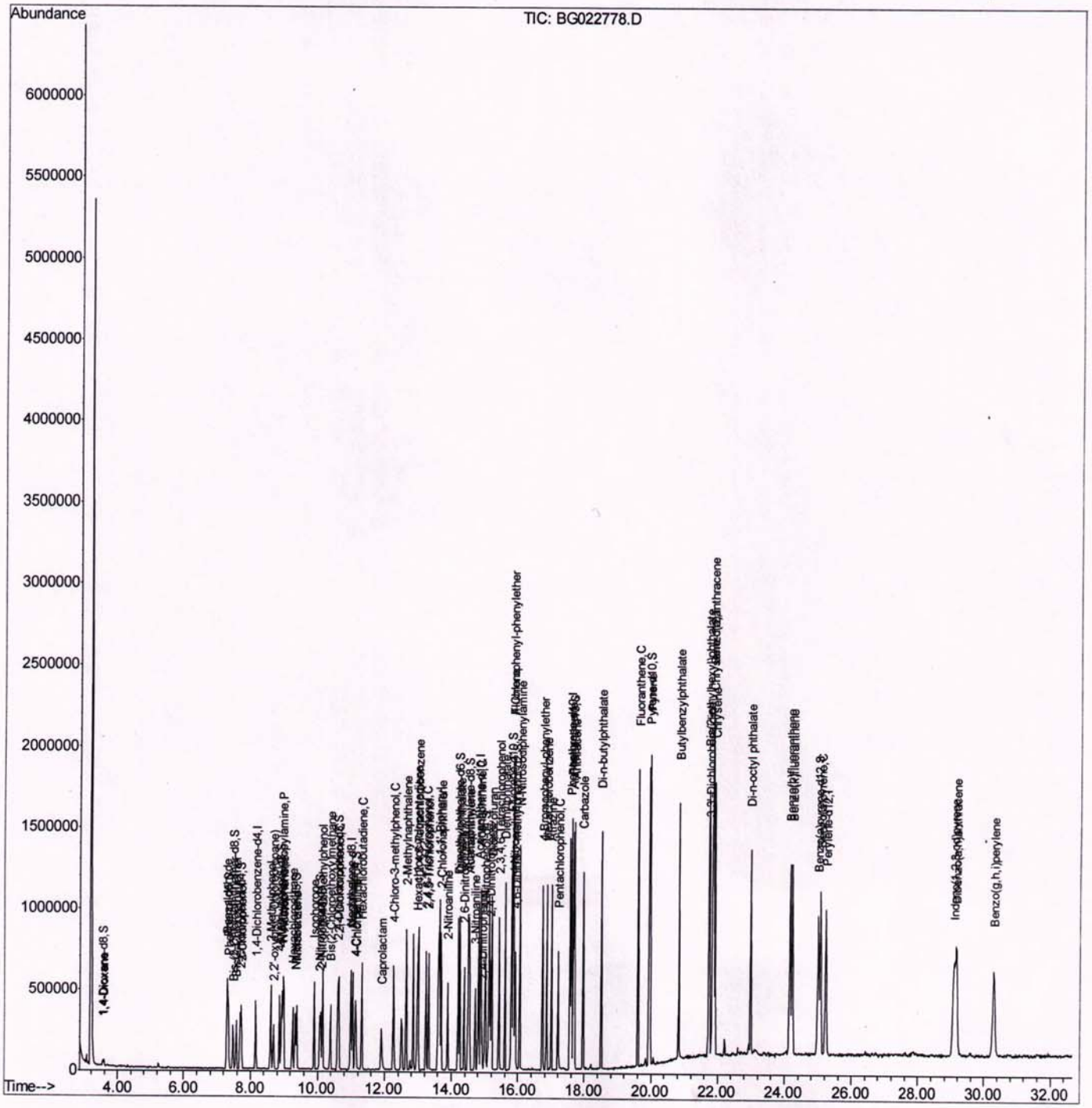
sohil
7/4/2016 1:32:03 PM



**Instrument :**
BNA_G
**LabSampleId :**
SSTD02012

**Manual Integrations**
**APPROVED**
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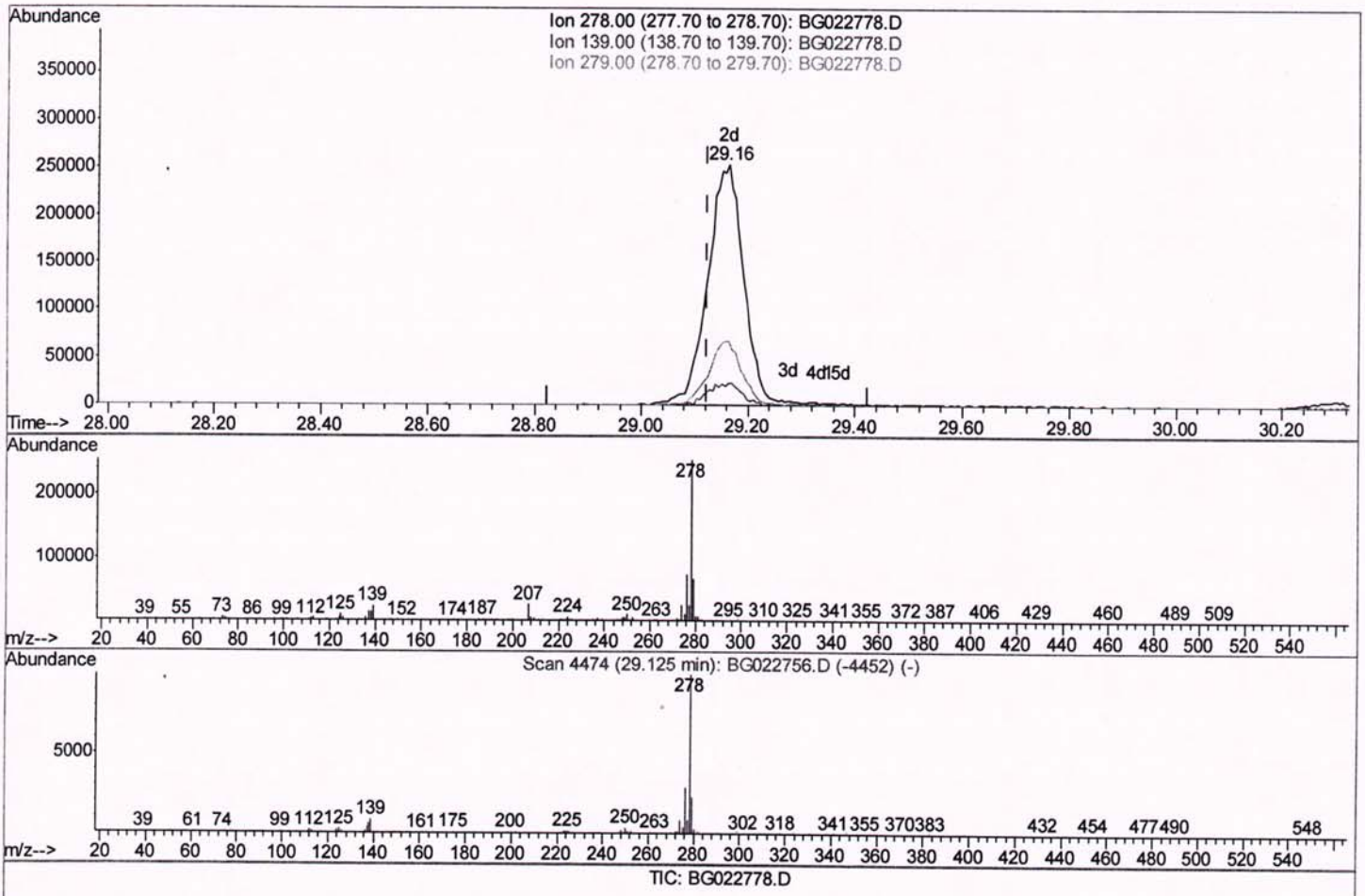
# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022778.D
Acq On : 2 Jul 2016 4:27
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 05:16:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration




TIC: BG022778.D

(90) Dibenzo(a,h)anthracene

29.163min (+0.039) 22.15ng/ul m

response 1193231

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 20.40 | 9.20# |
| 279.00 | 23.90 | 26.24 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

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Operator : UM/SJ
Sample : SSTDCCC020EC

Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 05:16:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02012

**Manual Integrations APPROVED**
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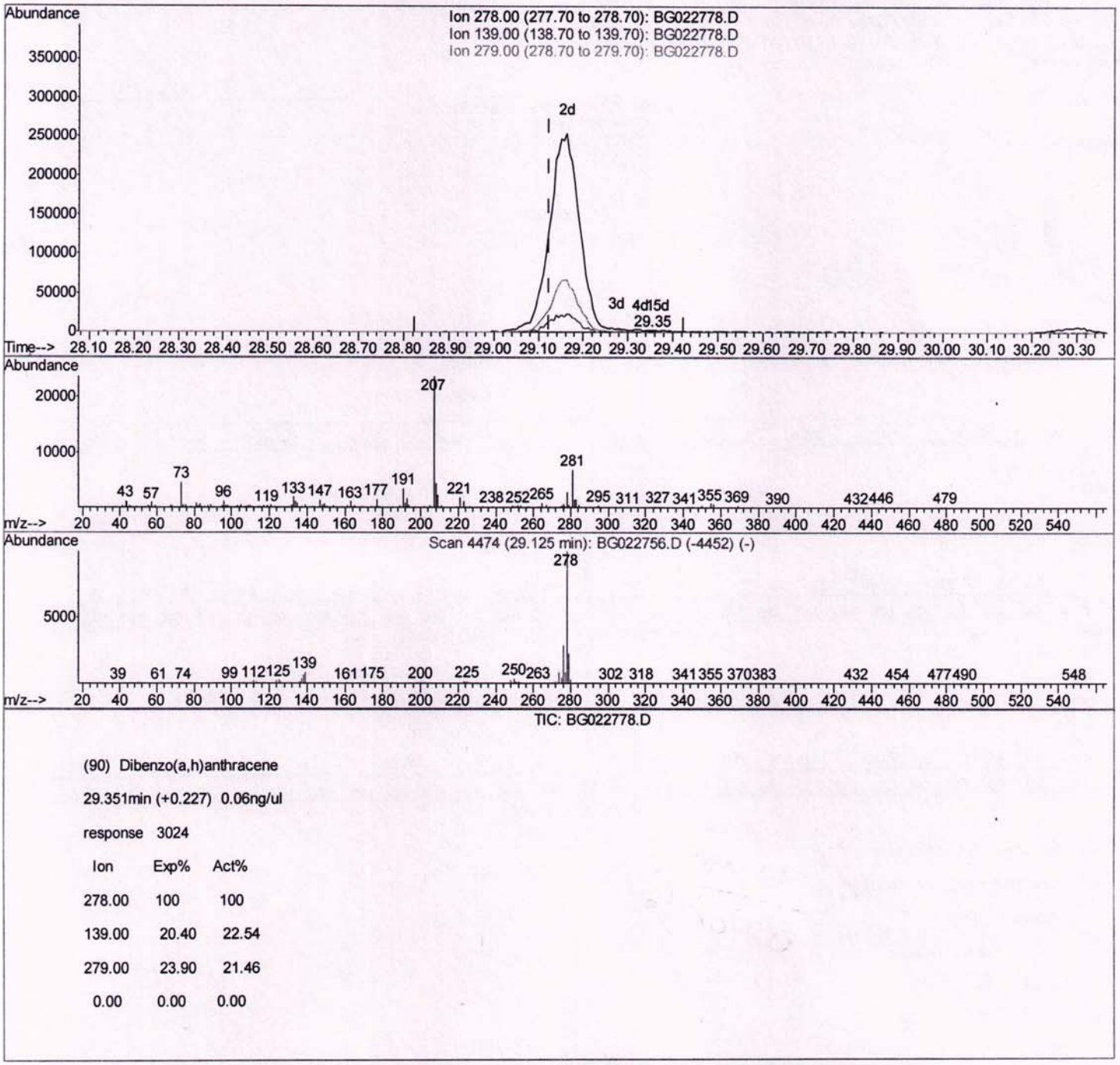


TIC: BG022778.D

(90) Dibenzo(a,h)anthracene

29.351min (+0.227) 0.06ng/ul

response 3024

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 20.40 | 22.54 |
| 279.00 | 23.90 | 21.46 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02012

**Manual Integrations**
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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022778.D
Acq On : 2 Jul 2016 4:27
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 05:16:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
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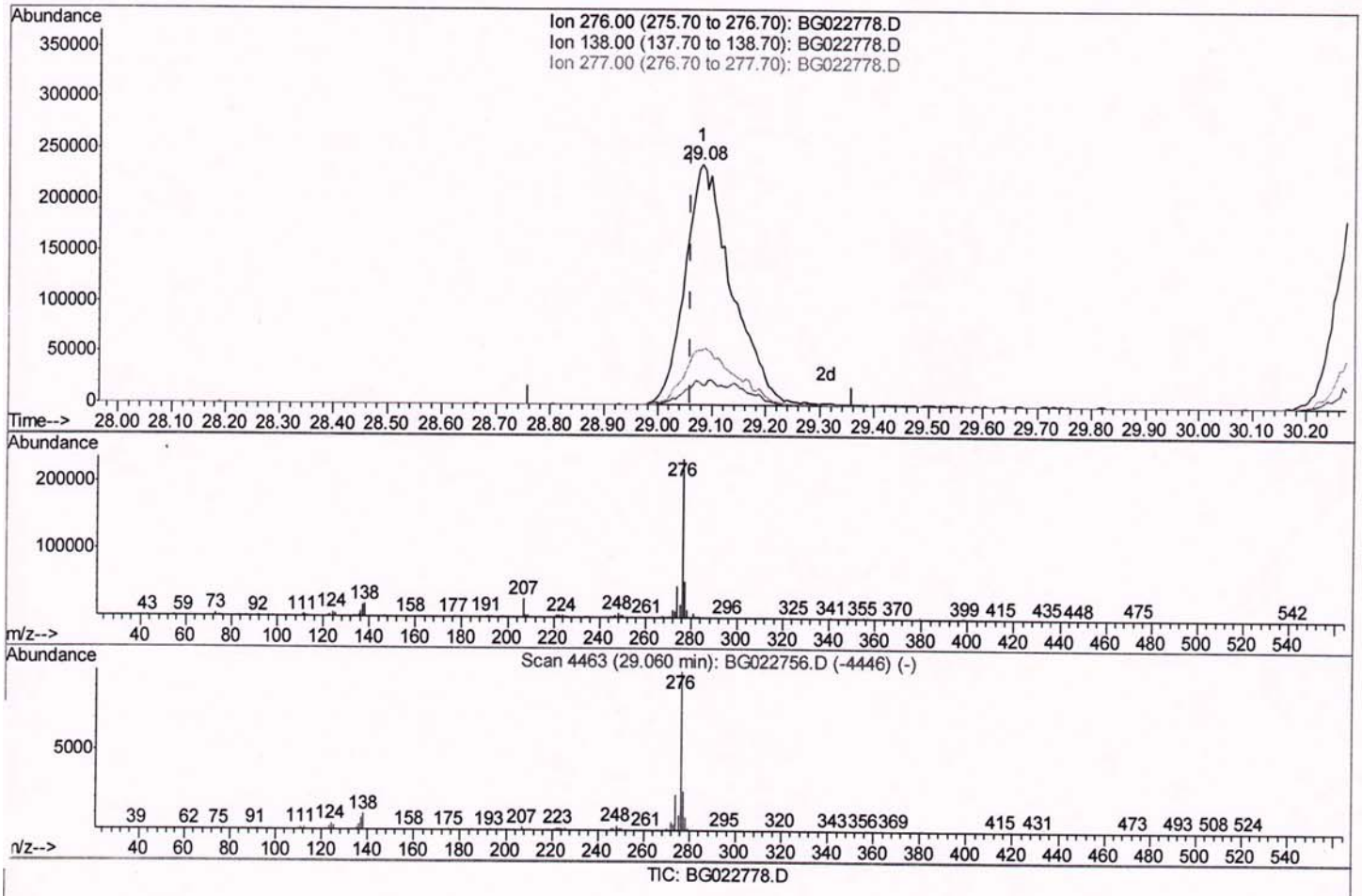
Response via : Initial Calibration




TIC: BG022778.D

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

29.081min (+0.021) 21.72ng/ul m

response 1415712

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 26.00 | 8.24# |
| 277.00 | 22.00 | 22.95 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022778.D
Acq On : 2 Jul 2016 4:27
Operator : UM/SJ
Sample : SSTDCCC020EC

Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 05:16:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02012

**Manual Integrations**

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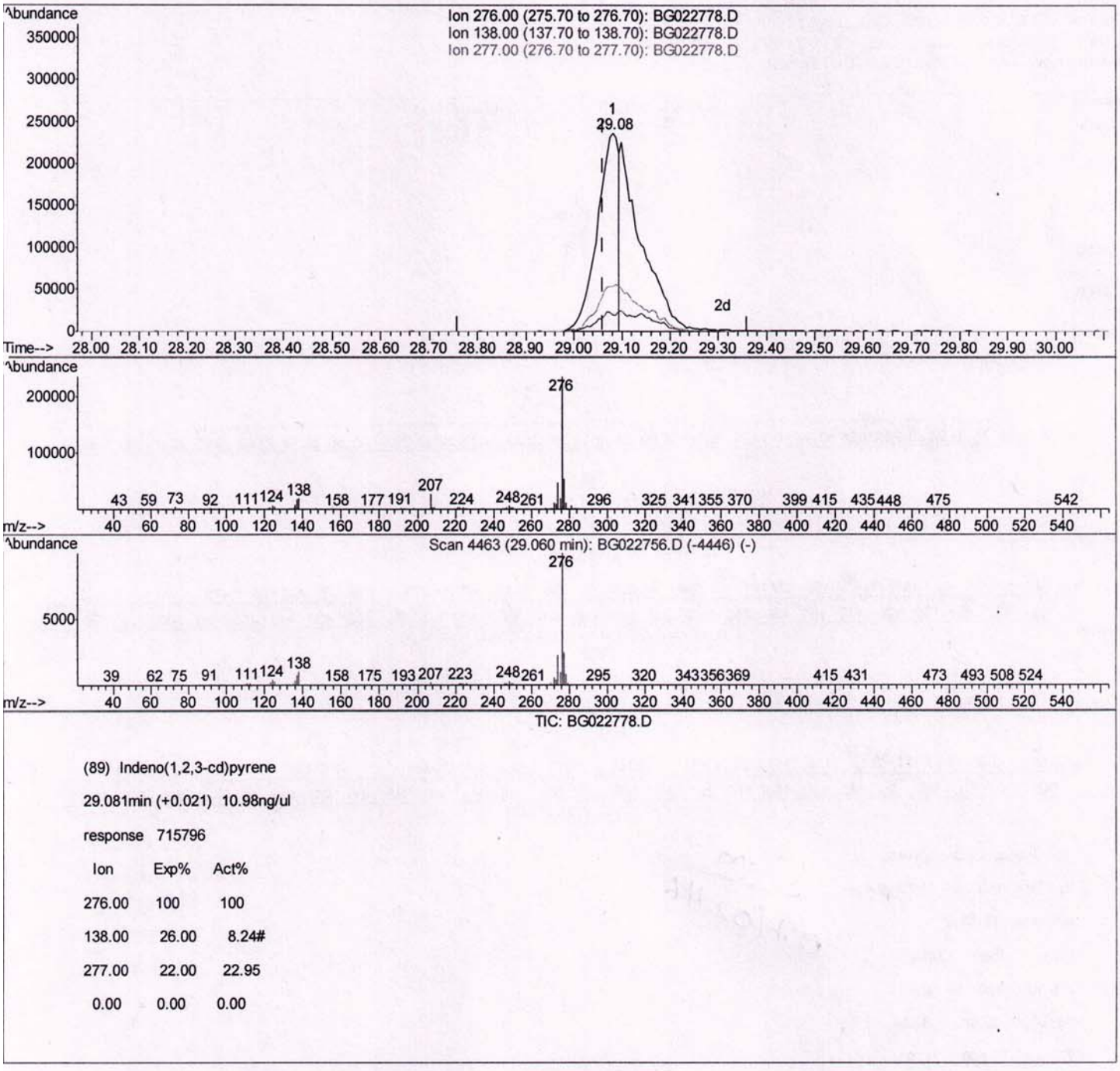


TIC: BG022778.D

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

29.081min (+0.021) 10.98ng/ul

response 715796

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 26.00 | 8.24# |
| 277.00 | 22.00 | 22.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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**Instrument :** BNA_G
**LabSampleId :** SSTD02012

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 109297 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 475829 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.80 | 164 | 356159 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.56 | 188 | 881175 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.86 | 240 | 1015423 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.23 | 264 | 1038206 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.55 | 96 | 18828 | 9.63 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.31 | 99 | 201693 | 17.54 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.48 | 67 | 130882 | 20.19 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.69 | 132 | 143961 | 18.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.86 | 113 | 164126 | 18.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 74342 | 19.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.06 | 143 | 89920 | 19.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.60 | 165 | 180340 | 18.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.12 | 131 | 165989 | 20.48 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.20 | 166 | 578002 | 19.98 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.50 | 160 | 661765 | 19.96 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.00 | 143 | 94020 | 20.70 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.80 | 176 | 555332 | 20.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 106168 | 18.73 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.66 | 188 | 839971 | 20.51 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.94 | 212 | 996328 | 20.54 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.00 | 264 | 991130 | 20.09 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 20321 | 8.87 | ng/uL# | 77 |
| 4) Benzaldehyde | 7.29 | 77 | 152553 | 20.87 | ng/ul# | 79 |
| 6) Phenol | 7.34 | 94 | 214253 | 18.19 | ng/ul# | 66 |
| 8) Bis(2-Chloroethyl)ether | 7.57 | 93 | 165630 | 20.57 | ng/ul | 90 |
| 10) 2-Chlorophenol | 7.72 | 128 | 152040 | 19.46 | ng/ul# | 85 |
| 11) 2-Methylphenol | 8.61 | 108 | 158851 | 17.96 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 181703 | 20.07 | ng/ul# | 92 |
| 14) Acetophenone | 8.99 | 105 | 274762 | 19.05 | ng/ul# | 84 |
| 15) N-Nitroso-di-n-propylamine | 8.96 | 70 | 157448 | 18.17 | ng/ul# | 79 |
| 16) 4-Methylphenol | 8.93 | 108 | 183808 | 18.69 | ng/ul | 93 |
| 17) Hexachloroethane | 9.26 | 117 | 72543 | 21.81 | ng/ul# | 85 |
| 20) Nitrobenzene | 9.37 | 77 | 231677 | 19.86 | ng/ul# | 85 |
| 21) Isophorone | 9.90 | 82 | 404041 | 19.41 | ng/ul# | 89 |
| 23) 2-Nitrophenol | 10.09 | 139 | 93141 | 19.18 | ng/ul# | 38 |
| 24) 2,4-Dimethylphenol | 10.14 | 107 | 219921 | 18.92 | ng/ul# | 78 |
| 25) Bis(2-Chloroethoxy)methane | 10.38 | 93 | 236230 | 19.24 | ng/ul# | 96 |
| 27) 2,4-Dichlorophenol | 10.63 | 162 | 179608 | 18.67 | ng/ul | 99 |
| 28) Naphthalene | 11.04 | 128 | 479297 | 19.70 | ng/ul | 96 |
| 30) 4-Chloroaniline | 11.14 | 127 | 163652 | 19.77 | ng/ul | 92 |
| 31) Hexachlorobutadiene | 11.32 | 225 | 154667 | 20.87 | ng/ul | 95 |
| 32) Caprolactam | 11.90 | 113 | 61527 | 19.17 | ng/ul# | 60 |
| 33) 4-Chloro-3-methylphenol | 12.26 | 107 | 219751 | 18.06 | ng/ul | 88 |
| 34) 2-Methylnaphthalene | 12.64 | 142 | 393639 | 19.55 | ng/ul | 93 |

**Instrument :**
BNA_G
**LabSampleId :**
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**Manual Integrations**
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Quantitation Report (QT Reviewed)

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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 269403 | 20.24 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.98 | 237 | 168054 | 20.91 ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.24 | 196 | 185433 | 20.19 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 13.31 | 196 | 189833 | 19.65 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.63 | 154 | 547109 | 20.20 ng/ul | 96 |
| 41) 2-Chloronaphthalene | 13.68 | 162 | 435064 | 19.84 ng/ul | 96 |
| 42) 2-Nitroaniline | 13.89 | 65 | 164300 | 19.37 ng/ul# | 64 |
| 44) Dimethylphthalate | 14.25 | 163 | 582083 | 19.70 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.37 | 165 | 125456 | 19.61 ng/ul# | 86 |
| 47) Acenaphthylene | 14.53 | 152 | 656973 | 19.68 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.70 | 138 | 99965 | 20.00 ng/ul# | 51 |
| 49) Acenaphthene | 14.87 | 153 | 450526 | 19.86 ng/ul | 95 |
| 50) 2,4-Dinitrophenol | 14.92 | 184 | 67925 | 19.11 ng/ul | 90 |
| 52) 4-Nitrophenol | 15.01 | 109 | 115300 | 19.96 ng/ul# | 64 |
| 53) Dibehzofuran | 15.20 | 168 | 708979 | 20.23 ng/ul | 88 |
| 54) 2,4-Dinitrotoluene | 15.16 | 165 | 182619 | 19.74 ng/ul# | 79 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 195999 | 19.93 ng/ul# | 93 |
| 56) Diethylphthalate | 15.61 | 149 | 599318 | 19.96 ng/ul | 94 |
| 58) Fluorene | 15.85 | 166 | 562878 | 19.99 ng/ul | 94 |
| 59) 4-Chlorophenyl-phenylether | 15.84 | 204 | 323476 | 19.18 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.87 | 138 | 125257 | 20.86 ng/ul# | 39 |
| 63) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 113555 | 18.91 ng/ul# | 96 |
| 64) N-Nitrosodiphenylamine | 16.06 | 169 | 528584 | 20.37 ng/ul | 91 |
| 65) 4-Bromophenyl-phenylether | 16.74 | 248 | 235357 | 19.97 ng/ul | 93 |
| 66) Hexachlorobenzene | 16.86 | 284 | 248858 | 19.94 ng/ul | 93 |
| 67) Atrazine | 17.00 | 200 | 235674 | 21.78 ng/ul | 94 |
| 68) Pentachlorophenol | 17.21 | 266 | 149629 | 20.86 ng/ul | 90 |
| 69) Phenanthrene | 17.60 | 178 | 951173 | 21.10 ng/ul | 99 |
| 71) Anthracene | 17.69 | 178 | 960322 | 20.73 ng/ul | 98 |
| 72) Carbazole | 17.96 | 167 | 803111 | 23.43 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 959044 | 21.80 ng/ul# | 95 |
| 74) Fluoranthene | 19.60 | 202 | 1157922 | 24.66 ng/ul# | 87 |
| 77) Pyrene | 19.97 | 202 | 1163992 | 20.48 ng/ul# | 84 |
| 78) Butylbenzylphthalate | 20.84 | 149 | 457935 | 20.77 ng/ul# | 83 |
| 79) 3,3'-Dichlorobenzidine | 21.75 | 252 | 442650 | 23.02 ng/ul# | 96 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 1259542 | 21.15 ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 640169 | 22.50 ng/ul# | 95 |
| 82) Chrysene | 21.91 | 228 | 1137747 | 20.99 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 1075005 | 23.49 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.16 | 252 | 1308035 | 20.16 ng/ul# | 91 |
| 86) Benzo(k)fluoranthene | 24.22 | 252 | 1223182 | 20.07 ng/ul# | 88 |
| 88) Benzo(a)pyrene | 25.07 | 252 | 1241405 | 20.14 ng/ul# | 91 |
| 89) Indeno(1,2,3-cd)pyrene | 29.08 | 276 | 1415712m | 21.72 ng/ul | |
| 90) Dibenzo(a,h)anthracene | 29.16 | 278 | 1193231m | 22.15 ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.30 | 276 | 1170677 | 22.91 ng/ul# | 78 |

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