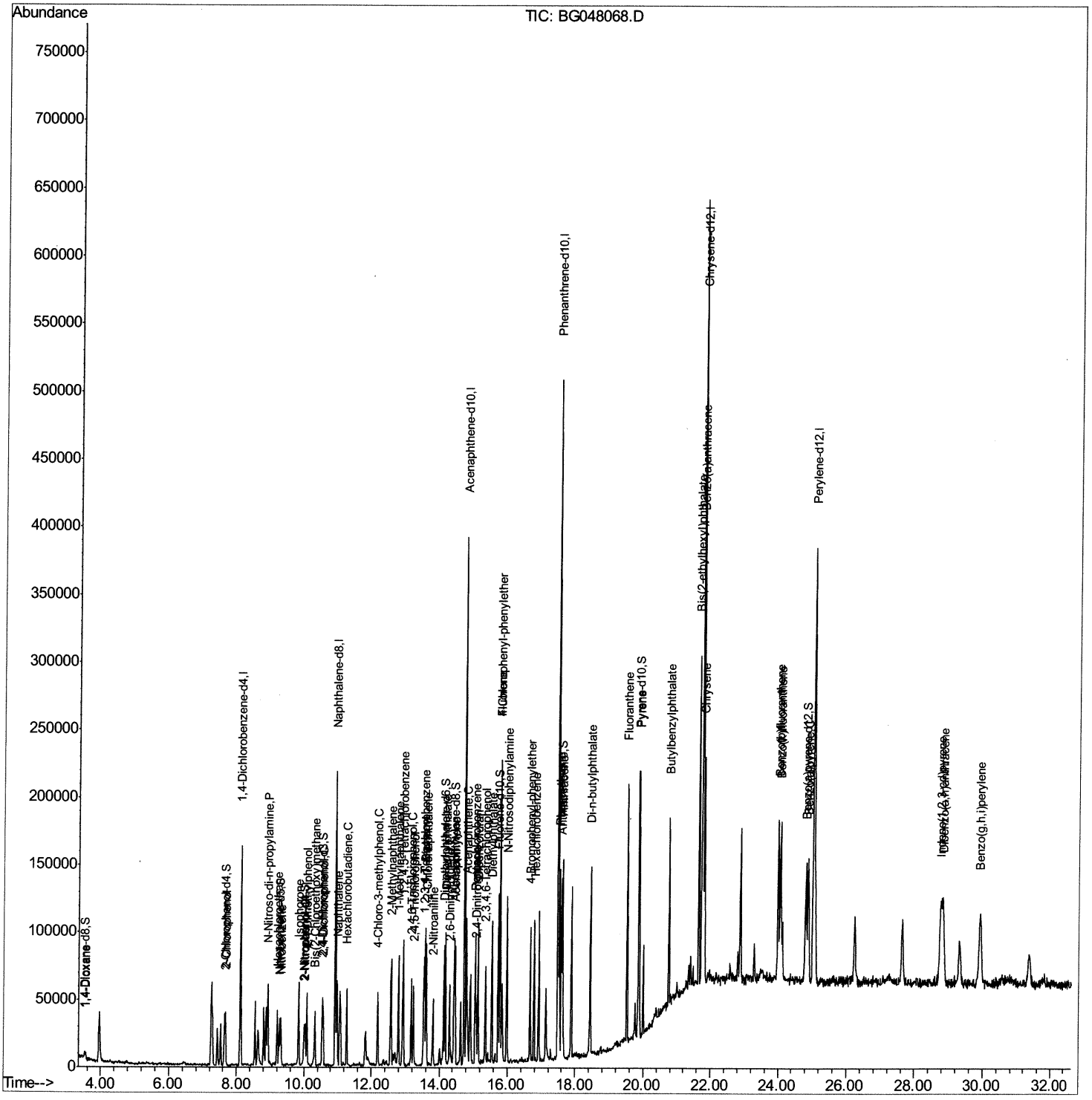
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 29 14:12:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM



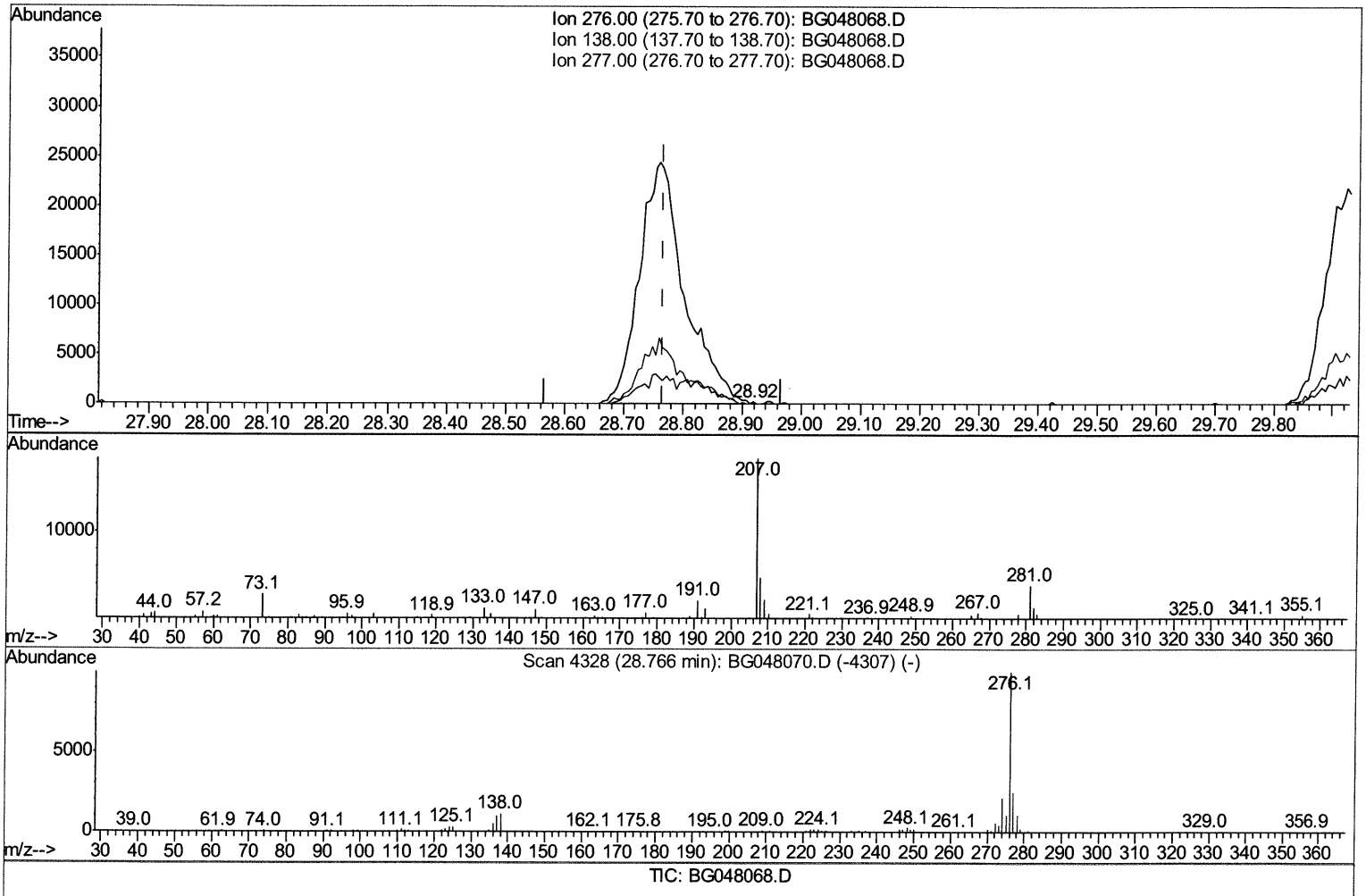
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 29 14:06:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM




TIC: BG048068.D

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

28.919min (+0.153) 0.00ng/ul

response 58

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 11.10 | 104.27# |
| 277.00 | 24.80 | 0.00# |
| 0.00 | 0.00 | 0.00 |

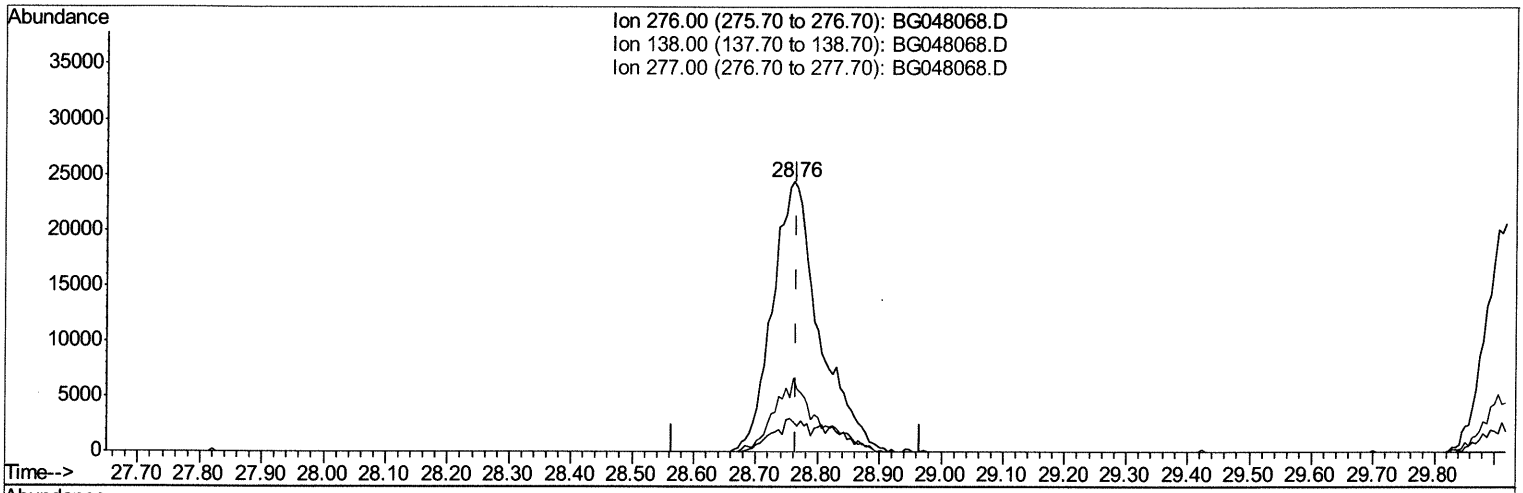
Quantitation Report (Qedit)

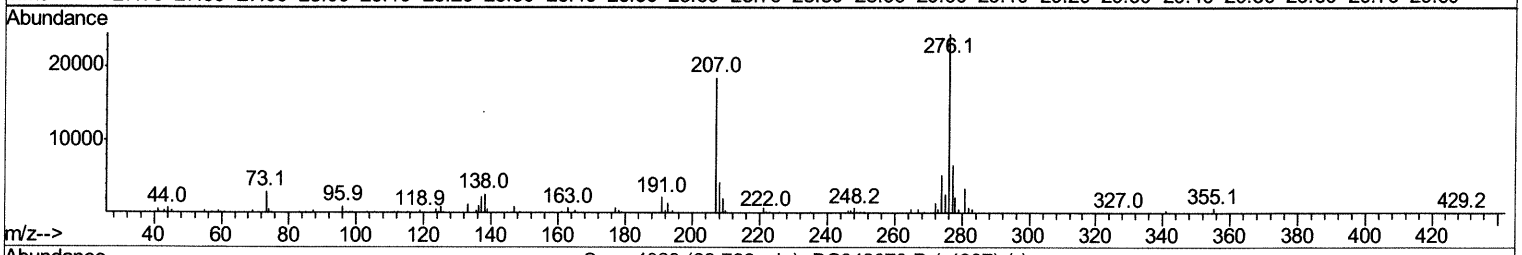
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

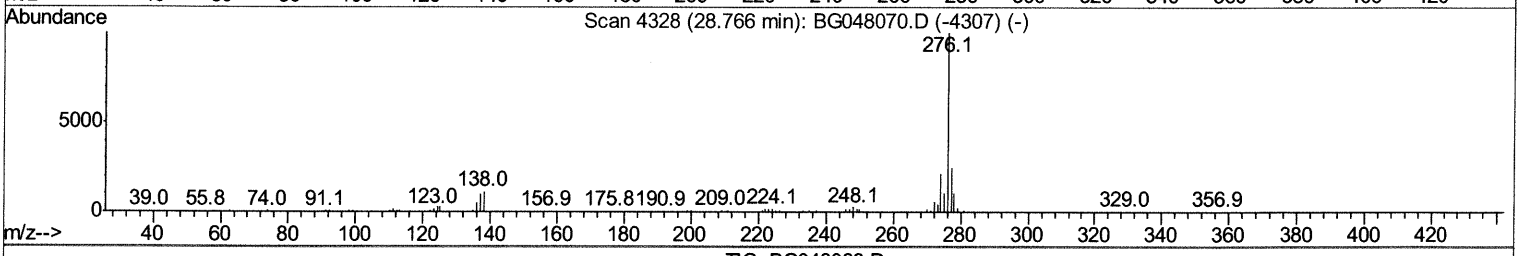
Quant Time: Jan 29 14:06:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM




TIC: BG048068.D

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

28.760min (-0.006) 4.82ng/ul m 02/22/21 JU

response 129004

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 11.10 | 10.85 |
| 277.00 | 24.80 | 27.15 |
| 0.00 | 0.00 | 0.00 |

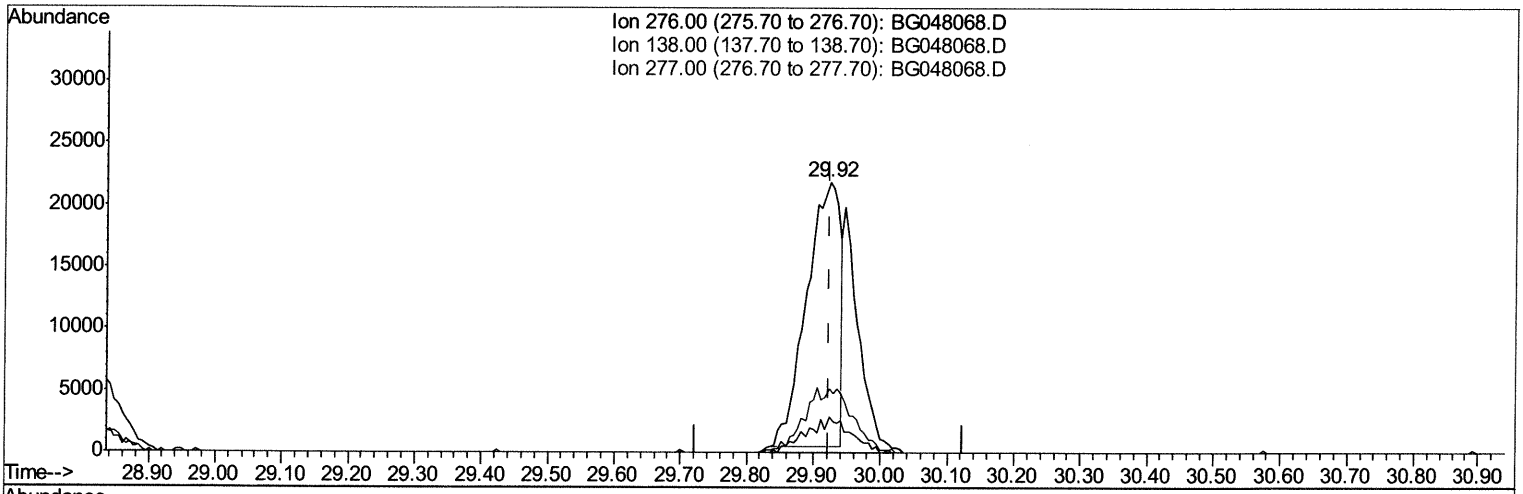
Quantitation Report (Qedit)

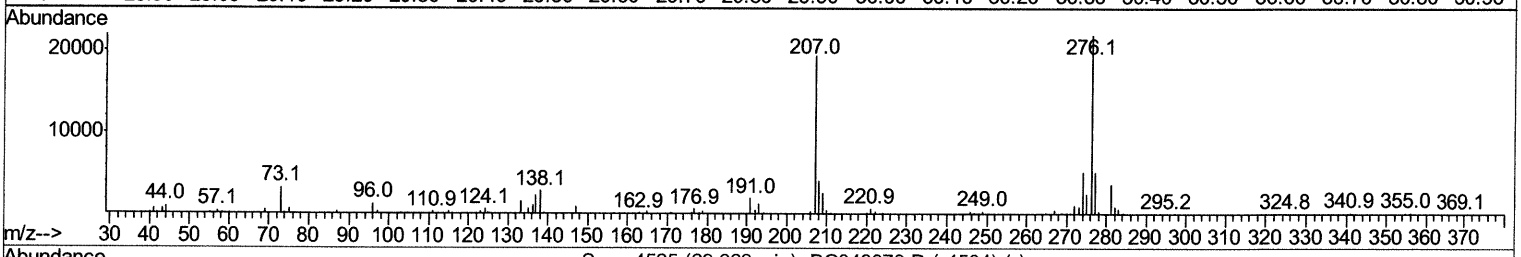
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

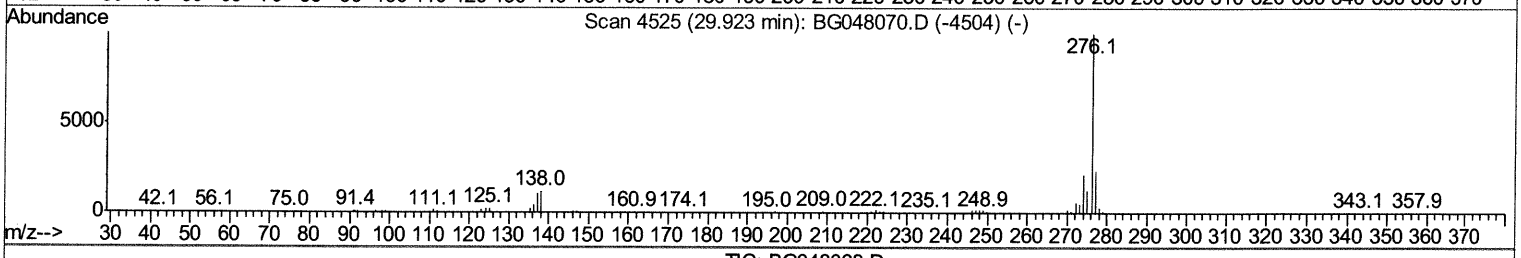
Quant Time: Jan 29 14:06:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM




TIC: BG048068.D

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

29.924min (+0.000) 3.38ng/ul

response 74842

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 11.70 | 13.37 |
| 277.00 | 23.10 | 23.84 |
| 0.00 | 0.00 | 0.00 |

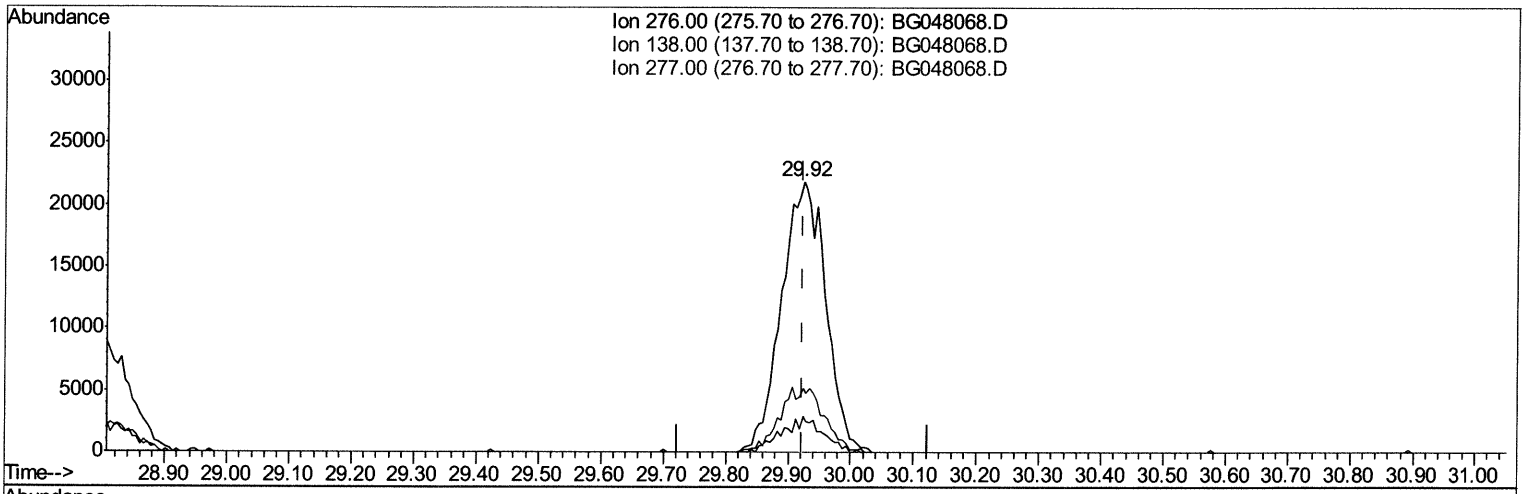
Quantitation Report (Qedit)

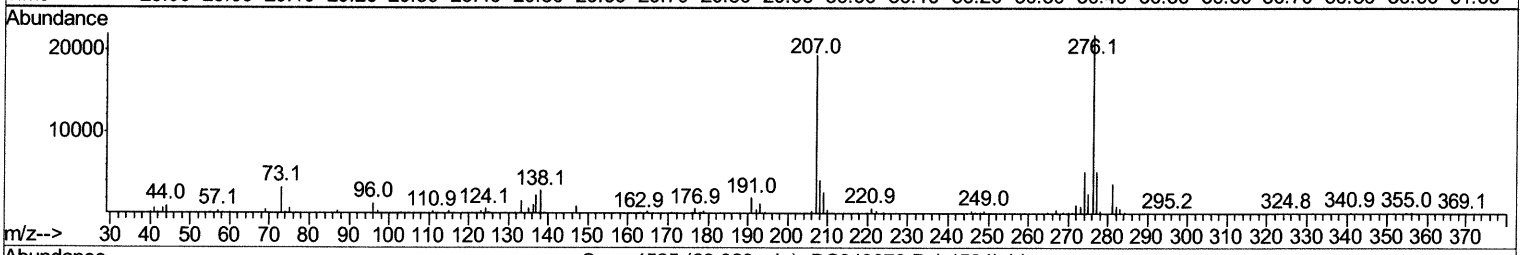
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

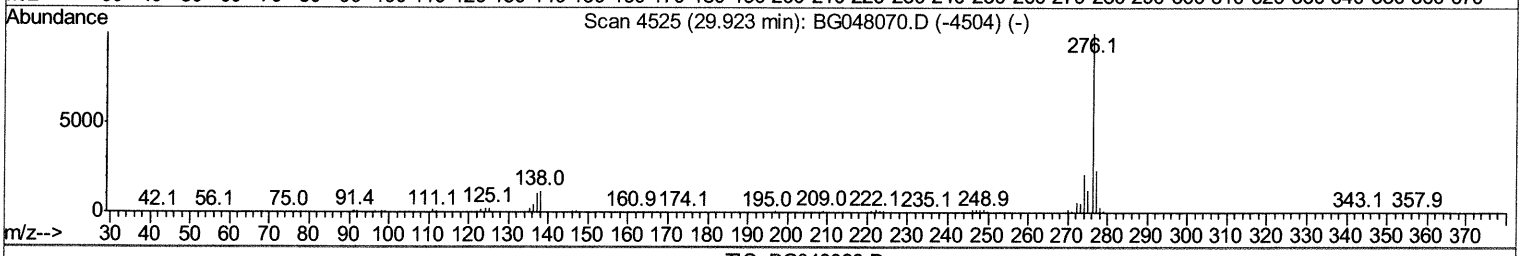
Quant Time: Jan 29 14:06:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM




TIC: BG048068.D

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

29.924min (+0.000) 4.95ng/ul m 02/22/21 JU

response 109590

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 11.70 | 13.37 |
| 277.00 | 23.10 | 23.84 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 29 14:12:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005006

**Manual Integrations APPROVED**
mohammad
2/1/2021 11:49:02 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 45144 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.93 | 136 | 176046 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 130962 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 317903 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.76 | 240 | 345136 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.04 | 264 | 349780 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 2499 | 2.02 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.00 | 84 | 0d | 0.00 | ng/ul | |
| 7) Phenol-d5 | 0.00 | 99 | 0d | 0.00 | ng/ul | |
| 9) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0d | 0.00 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 7.65 | 132 | 15838 | 5.48 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.27 | 128 | 7289 | 5.79 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.00 | 143 | 8859 | 7.13 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.54 | 165 | 16674 | 5.40 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 46) Dimethylphthalate-d6 | 14.14 | 166 | 56029 | 5.27 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.44 | 160 | 63866 | 5.08 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 60) Fluorene-d10 | 15.73 | 176 | 49817 | 5.18 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 73) Anthracene-d10 | 17.58 | 188 | 80381 | 5.30 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.86 | 212 | 96678 | 5.15 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.81 | 264 | 95022 | 4.95 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 2662 | 1.983 | ng/uL# | 89 |
| 12) 2-Chlorophenol | 7.68 | 128 | 14640 | 5.180 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propylamine | 8.92 | 70 | 14888 | 5.479 | ng/ul# | 96 |
| 19) Hexachloroethane | 9.21 | 117 | 7269 | 5.695 | ng/ul | 95 |
| 22) Nitrobenzene | 9.32 | 77 | 21767 | 5.826 | ng/ul | 91 |
| 23) Isophorone | 9.84 | 82 | 40203 | 5.333 | ng/ul# | 95 |
| 25) 2-Nitrophenol | 10.04 | 139 | 8717 | 6.130 | ng/ul# | 87 |
| 26) 2,4-Dimethylphenol | 10.09 | 107 | 18925 | 5.296 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)methane | 10.32 | 93 | 23955 | 5.808 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 16204 | 5.631 | ng/ul | 96 |
| 30) Naphthalene | 10.98 | 128 | 49814 | 5.217 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 11.27 | 225 | 14160 | 5.523 | ng/ul | 88 |
| 35) 4-Chloro-3-methylphenol | 12.19 | 107 | 18120 | 5.585 | ng/ul# | 91 |
| 36) 2-Methylnaphthalene | 12.58 | 142 | 37085 | 5.233 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.80 | 142 | 34529 | 5.063 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 24888 | 5.113 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.17 | 196 | 16386 | 5.861 | ng/ul | 93 |
| 42) 2,4,5-Trichlorophenol | 13.24 | 196 | 17034 | 5.593 | ng/ul | 85 |
| 43) 1,1'-Biphenyl | 13.58 | 154 | 51749 | 5.137 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.62 | 162 | 43267 | 5.520 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.81 | 65 | 13064 | 6.017 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.18 | 163 | 58906 | 5.410 | ng/ul | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048068.D
Acq On : 29 Jan 2021 11:33
Operator : CG/JU
Sample : SSTD00506
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD005006

Manual Integrations APPROVED
mohammad
2/1/2021 11:49:02 AM

Quant Time: Jan 29 14:12:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) 2,6-Dinitrotoluene | 14.30 | 165 | 11732 | 6.140 ng/ul | 98 |
| 50) Acenaphthylene | 14.47 | 152 | 63746 | 5.243 ng/ul | 94 |
| 52) Acenaphthene | 14.81 | 153 | 44462 | 5.011 ng/ul# | 91 |
| 56) Dibenzofuran | 15.13 | 168 | 65355 | 5.426 ng/ul | 89 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 16196 | 5.952 ng/ul# | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 16475 | 5.802 ng/ul# | 94 |
| 59) Diethylphthalate | 15.54 | 149 | 57379 | 5.312 ng/ul | 95 |
| 61) Fluorene | 15.78 | 166 | 52791 | 5.148 ng/ul | 93 |
| 62) 4-Chlorophenyl-phenylether | 15.78 | 204 | 32366 | 5.552 ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.99 | 169 | 47301 | 5.203 ng/ul | 94 |
| 68) 4-Bromophenyl-phenylether | 16.67 | 248 | 21881 | 5.705 ng/ul | 88 |
| 69) Hexachlorobenzene | 16.79 | 284 | 21843 | 5.522 ng/ul | 96 |
| 72) Phenanthrene | 17.53 | 178 | 90981 | 5.246 ng/ul | 98 |
| 74) Anthracene | 17.61 | 178 | 94448 | 5.442 ng/ul | 98 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.54 | 216 | 25363 | 5.150 ng/uL | 96 |
| 76) Pentachlorobenzene | 15.06 | 250 | 27066 | 5.714 ng/uL | 98 |
| 78) Di-n-butylphthalate | 18.44 | 149 | 98635 | 5.423 ng/ul | 98 |
| 80) Fluoranthene | 19.52 | 202 | 122267 | 5.126 ng/ul | 100 |
| 82) Pyrene | 19.88 | 202 | 121383 | 5.165 ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.77 | 149 | 42223 | 5.126 ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.73 | 228 | 121286 | 5.003 ng/ul | 95 |
| 86) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 61518 | 5.163 ng/ul# | 98 |
| 87) Chrysene | 21.80 | 228 | 117632 | 5.098 ng/ul | 99 |
| 90) Benzo(b)fluoranthene | 23.99 | 252 | 117240 | 4.832 ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 24.05 | 252 | 114656 | 4.945 ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.88 | 252 | 104583 | 4.834 ng/ul# | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 129004m > | 4.824 ng/ul > | 91 |
| 95) Dibenzo(a,h)anthracene | 28.83 | 278 | 106849 | 4.843 ng/ul# | 91 |
| 96) Benzo(g,h,i)perylene | 29.92 | 276 | 109590m > | 4.951 ng/ul > | 91 |

03/22/21 JU

03/22/21 JU

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