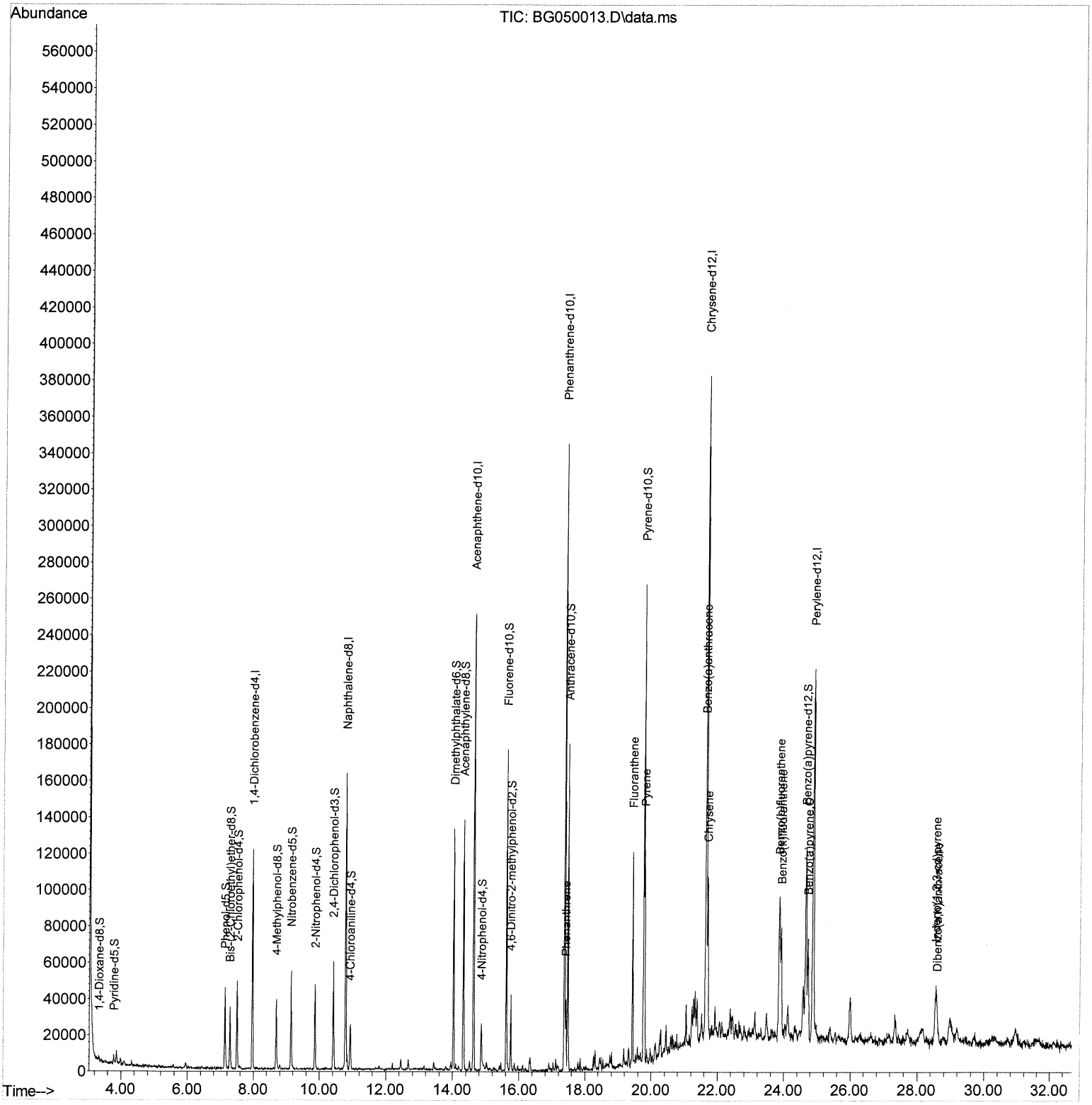
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM

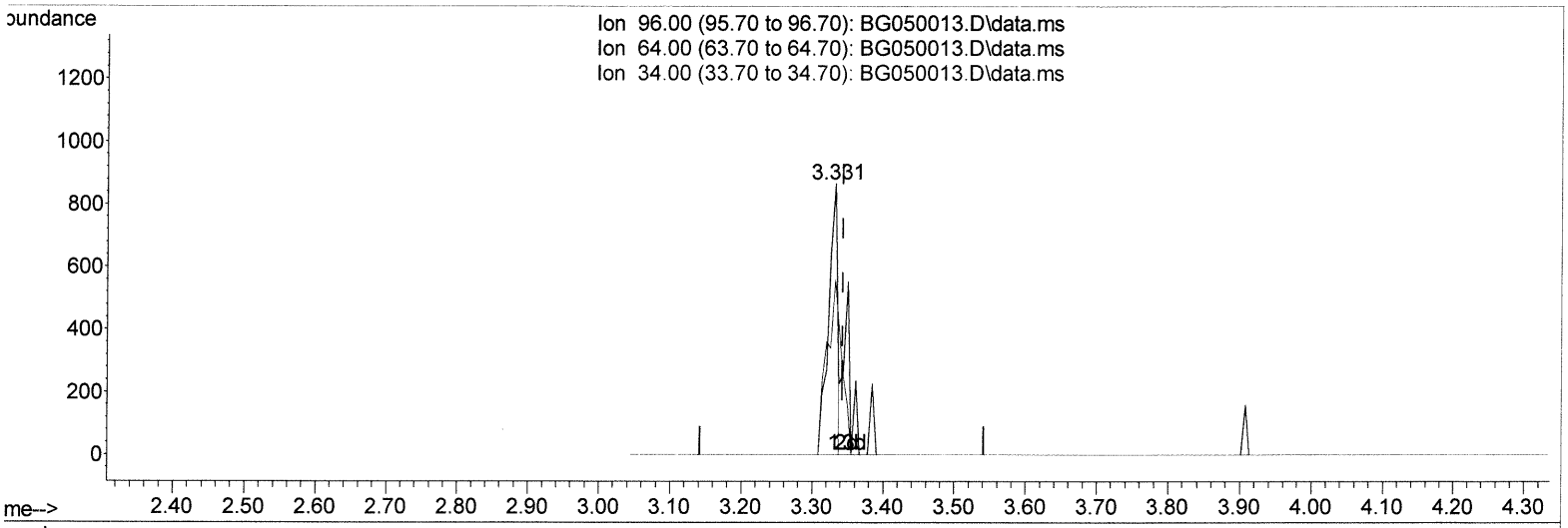


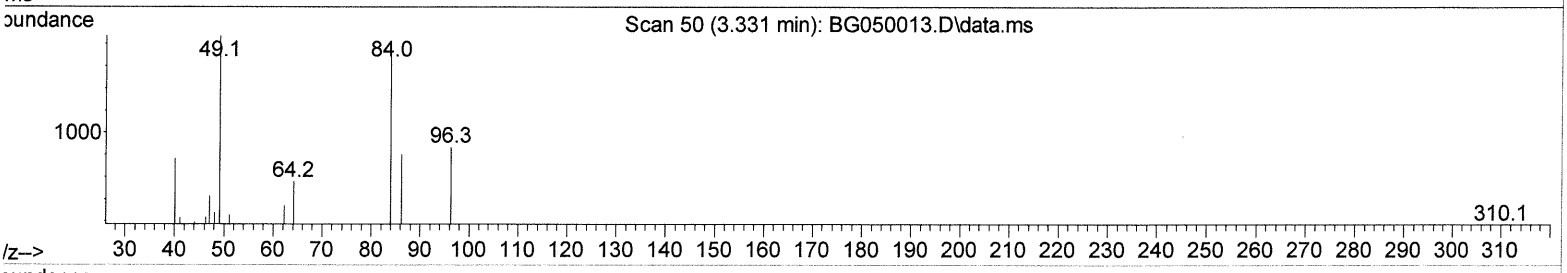
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

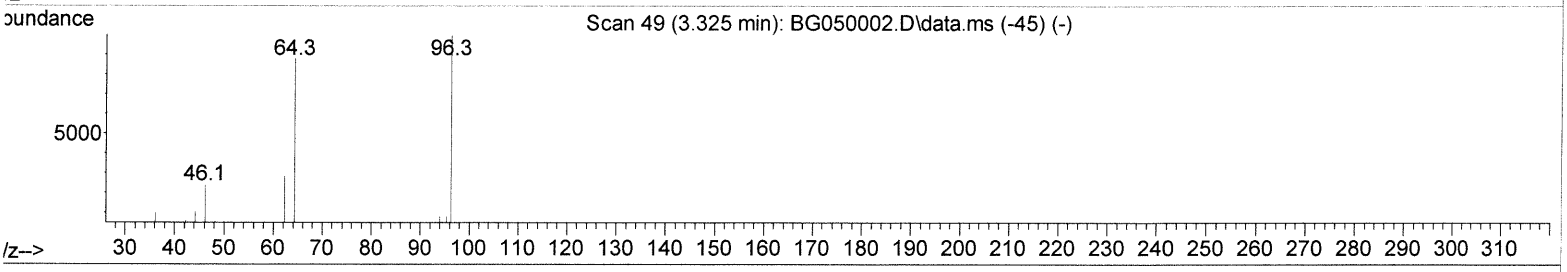
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.331min (-0.011) 1.19 ng/uL

response 775

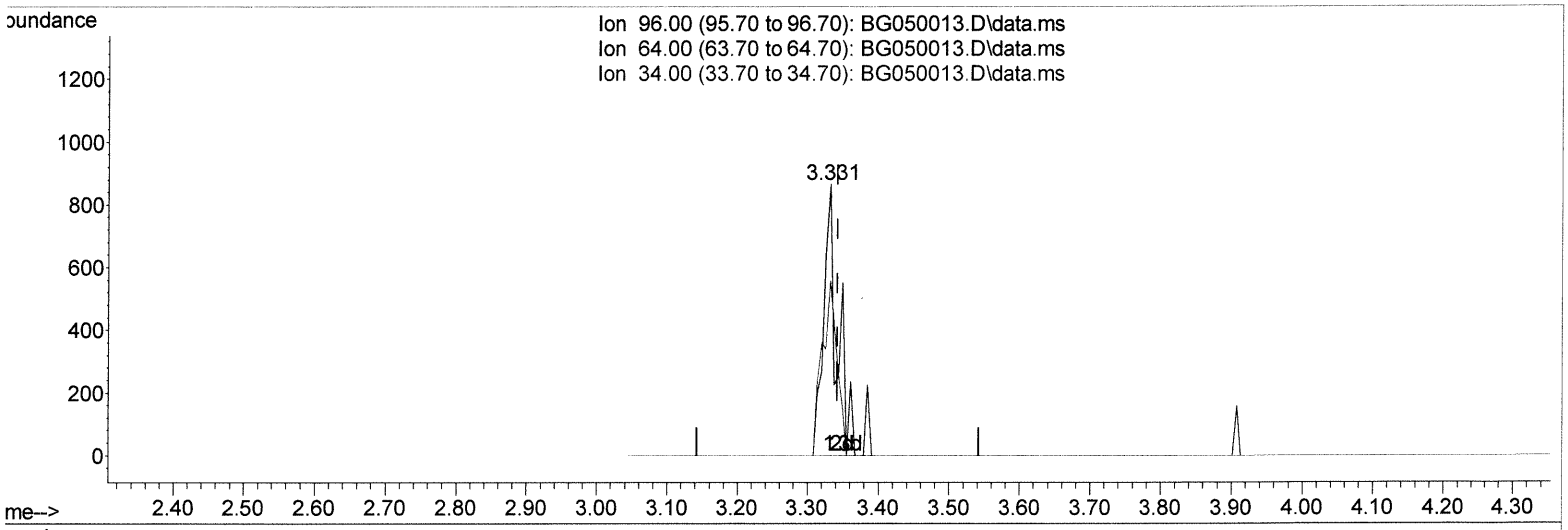
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	64.47
34.00	0.00	0.00
0.00	0.00	0.00

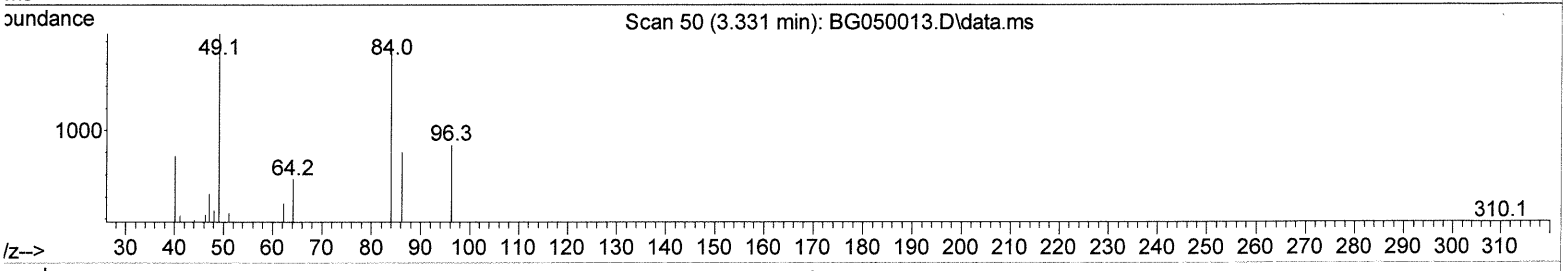
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

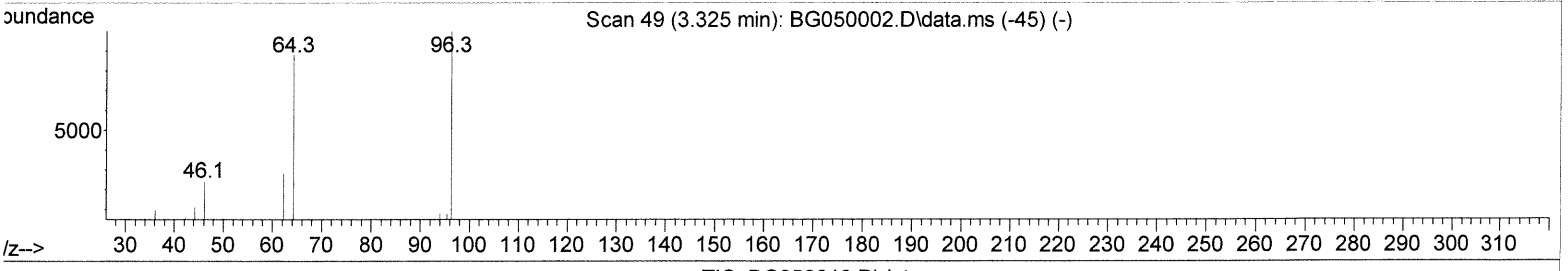
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.331min (-0.011) 1.62 ng/uL m JU 8/31/21

response 1059

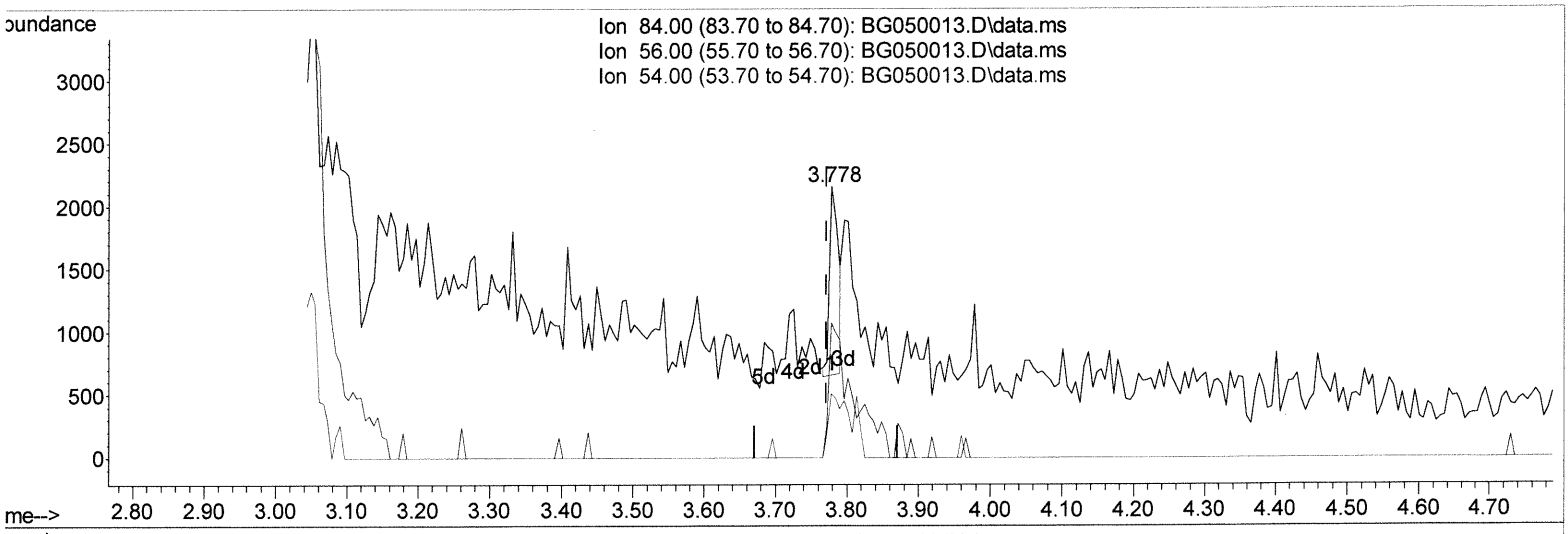
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	64.47
34.00	0.00	0.00
0.00	0.00	0.00

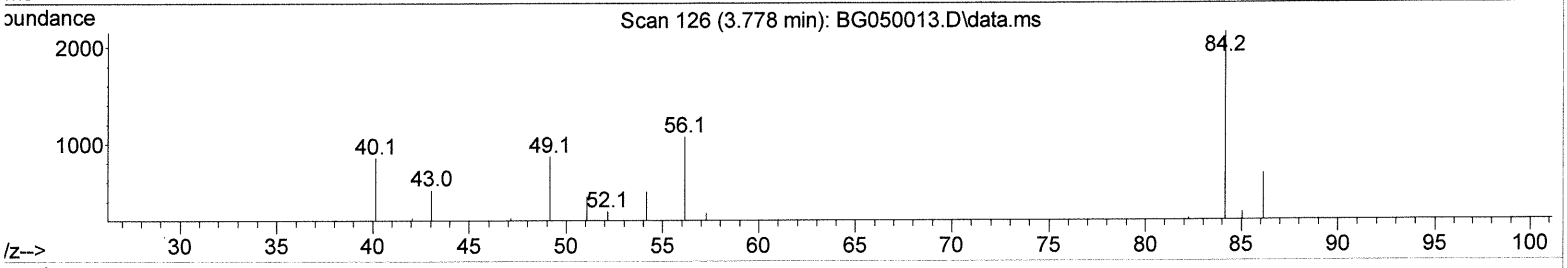
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

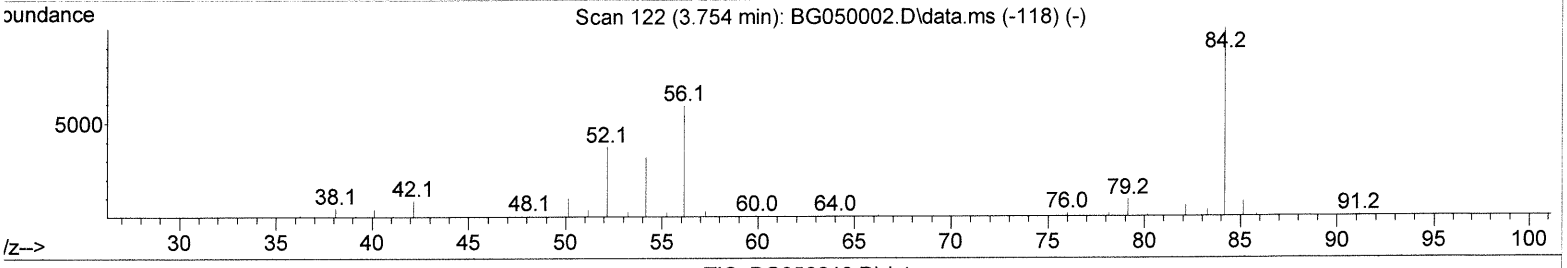
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(4) Pyridine-d5 (S)

3.778min (+ 0.007) 0.66 ng/ul

response 1300

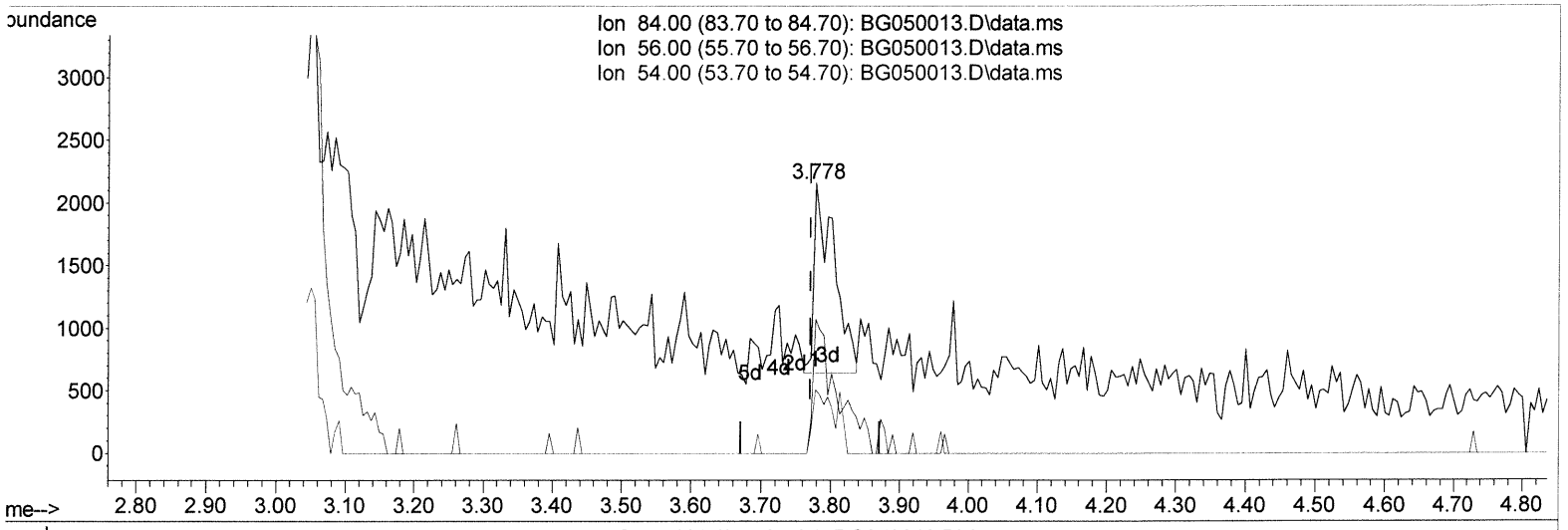
Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	49.61
54.00	37.00	23.39#
0.00	0.00	0.00

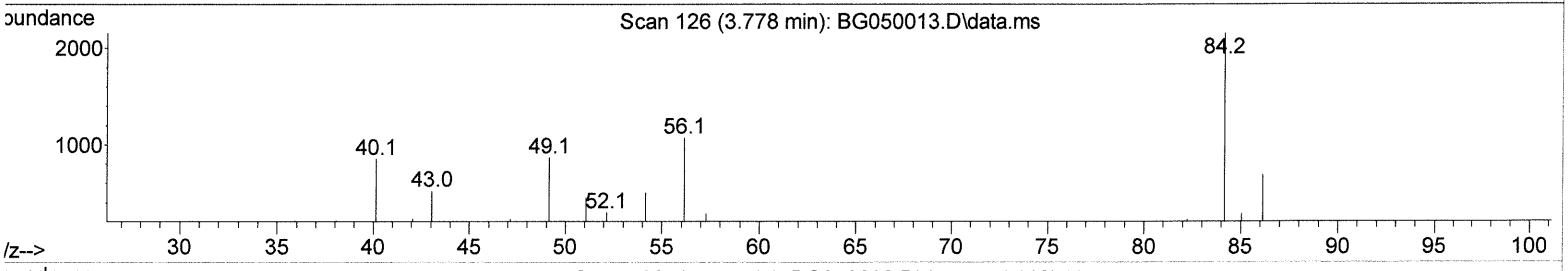
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

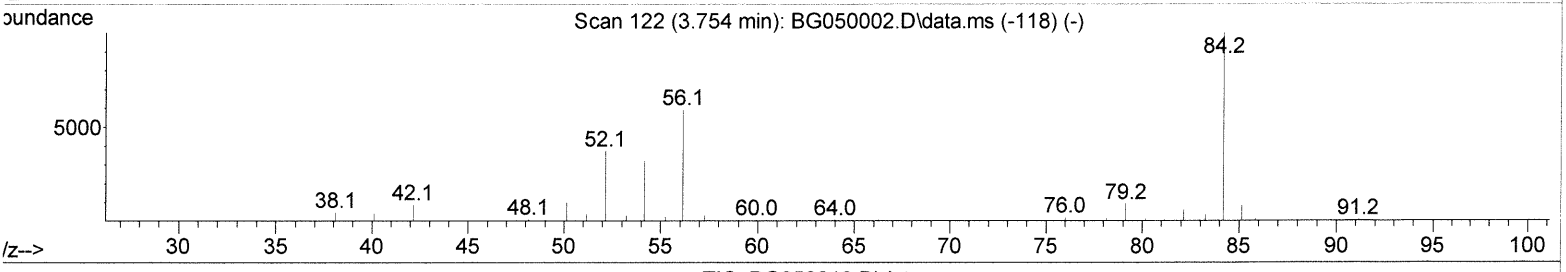
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(4) Pyridine-d5 (S)

3.778min (+ 0.007) 1.54 ng/ul m JH 8/31/21

response 3028

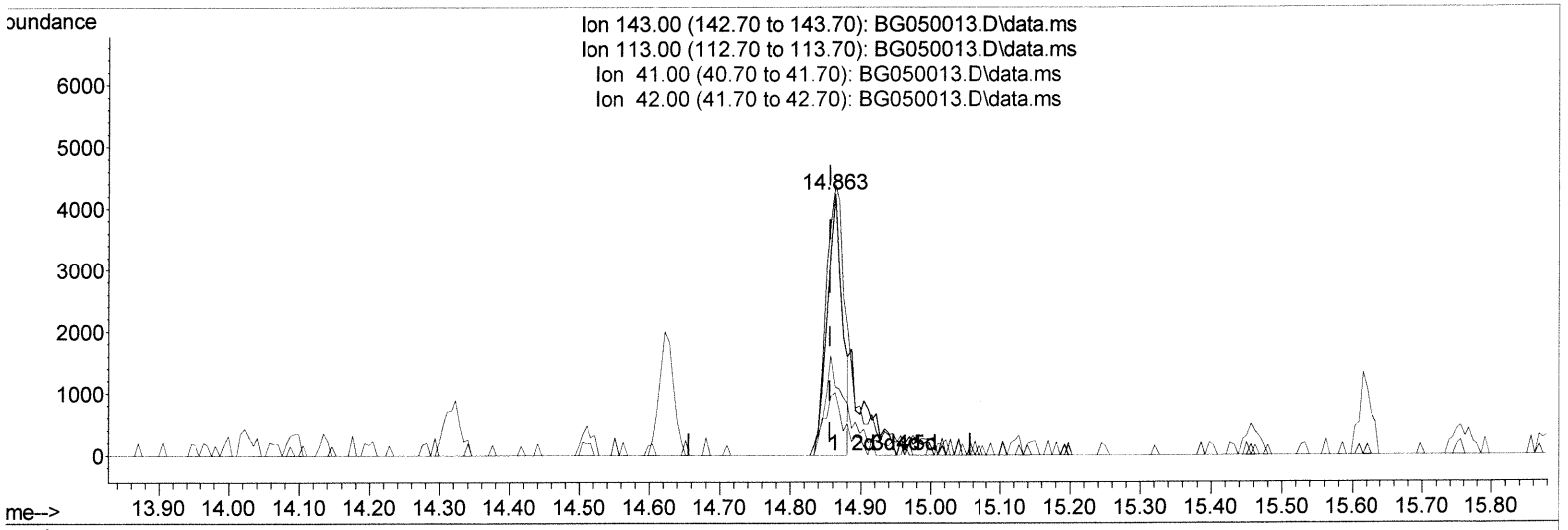
Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	49.61
54.00	37.00	23.39#
0.00	0.00	0.00

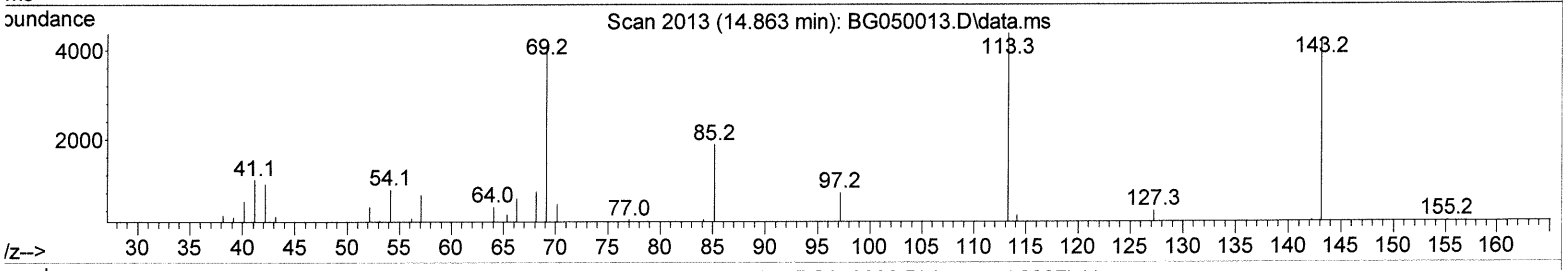
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

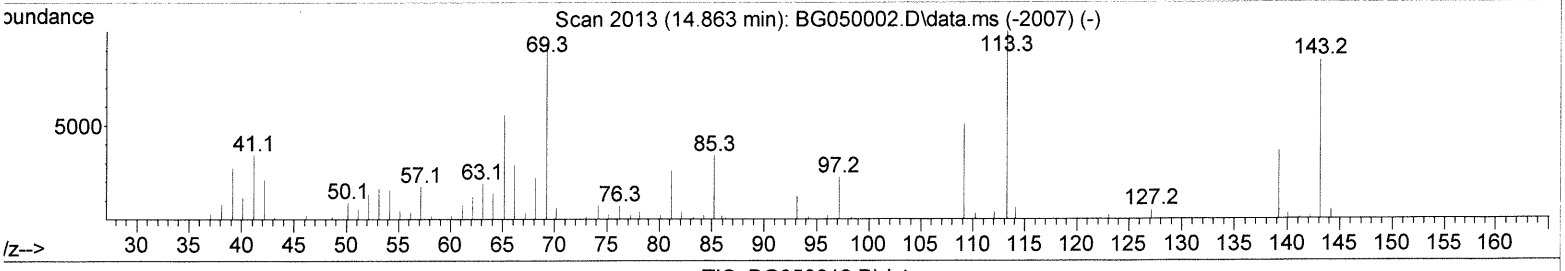
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.863min (+ 0.007) 6.13 ng/ul

response 6326

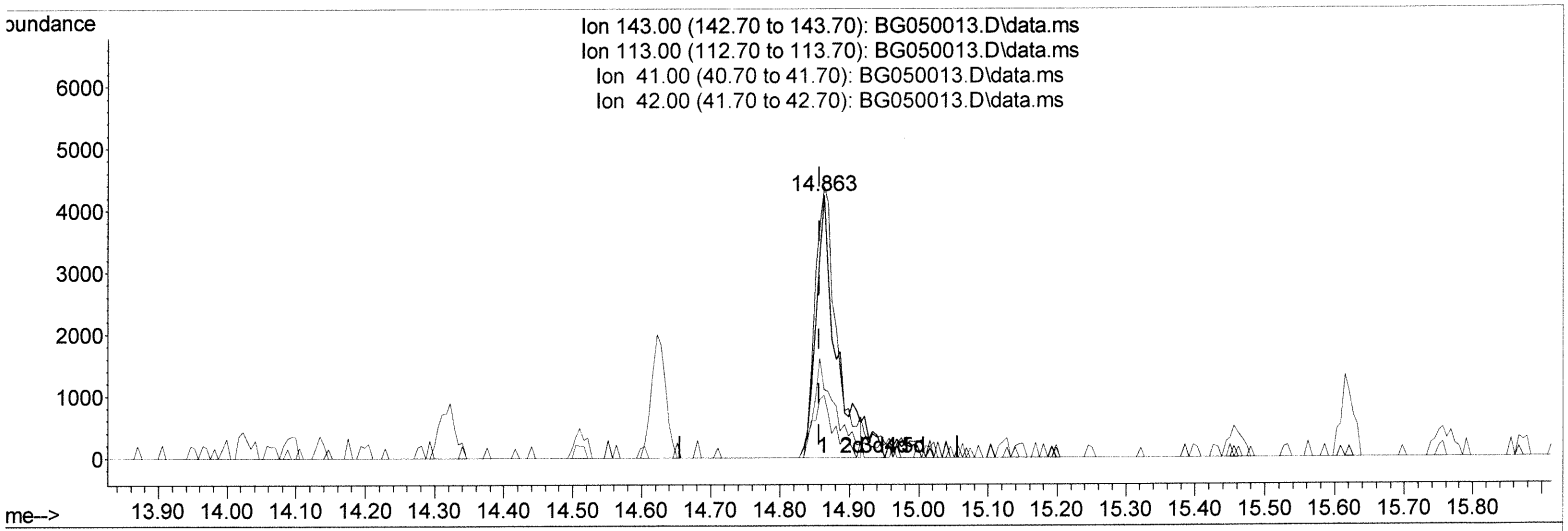
Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	103.50
41.00	45.30	26.03#
42.00	25.60	23.71

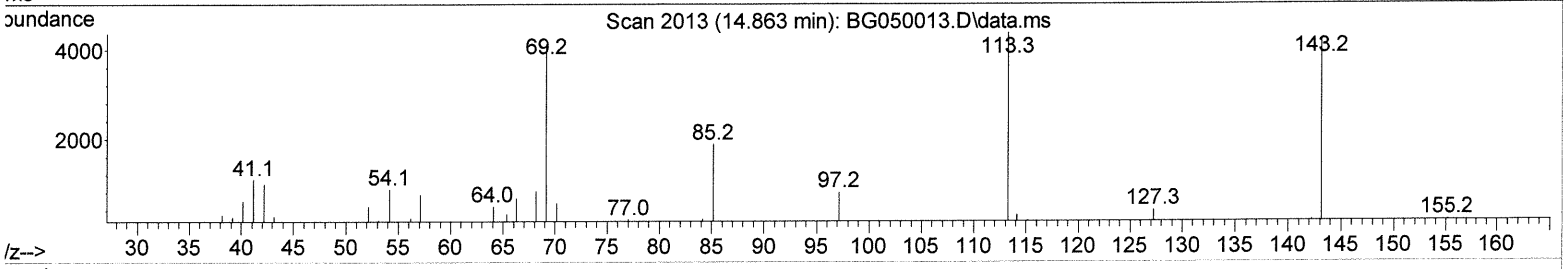
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

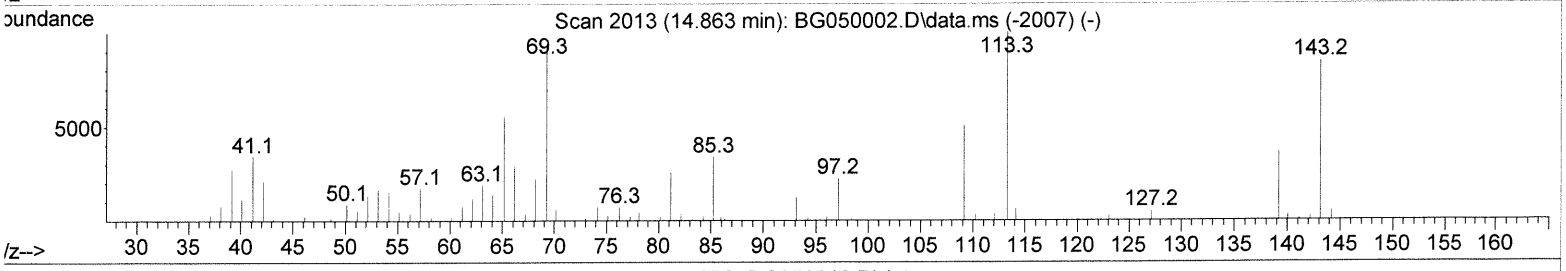
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.863min (+ 0.007) 7.93 ng/ul m

response 8187

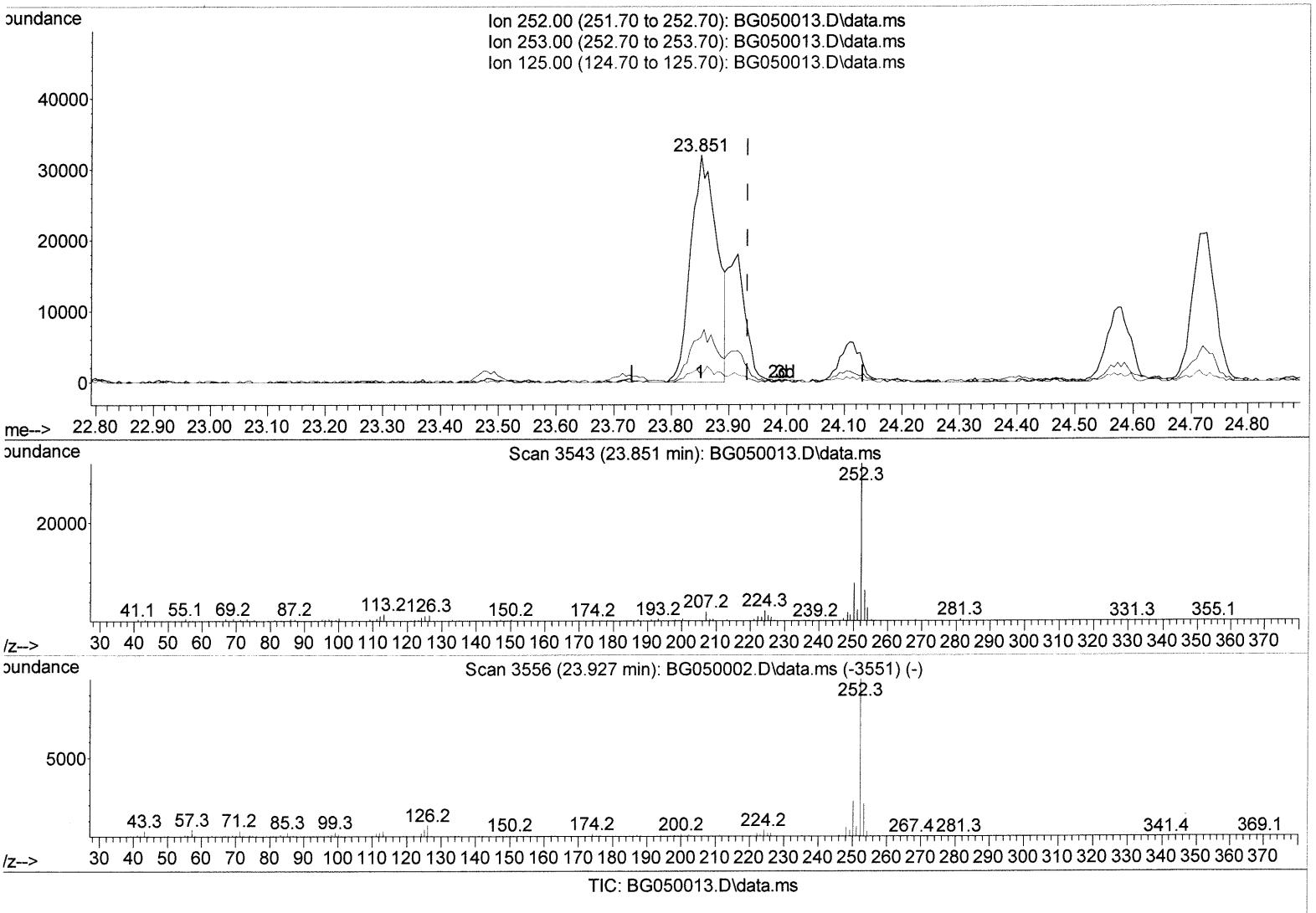
Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	103.50
41.00	45.30	26.03#
42.00	25.60	23.71

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM



TIC: BG050013.D\data.ms

(91) Benzo(k)fluoranthene

23.851min (-0.082) 8.27 ng/ul

response 100623

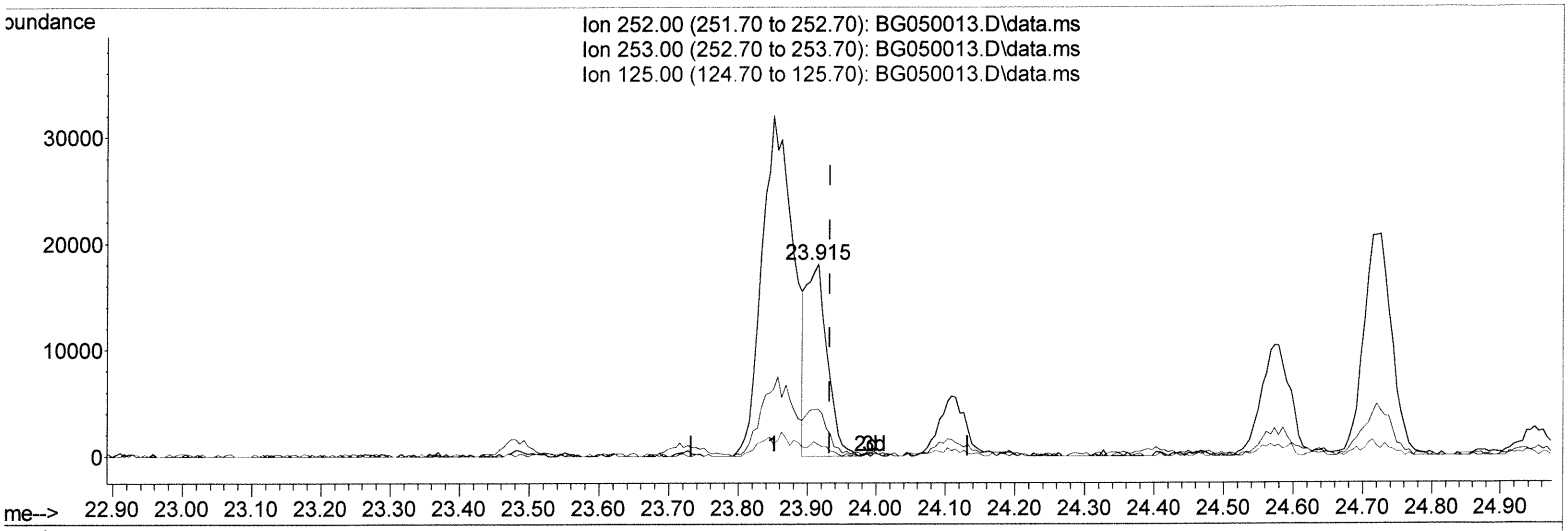
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	19.62
125.00	5.10	3.41#
0.00	0.00	0.00

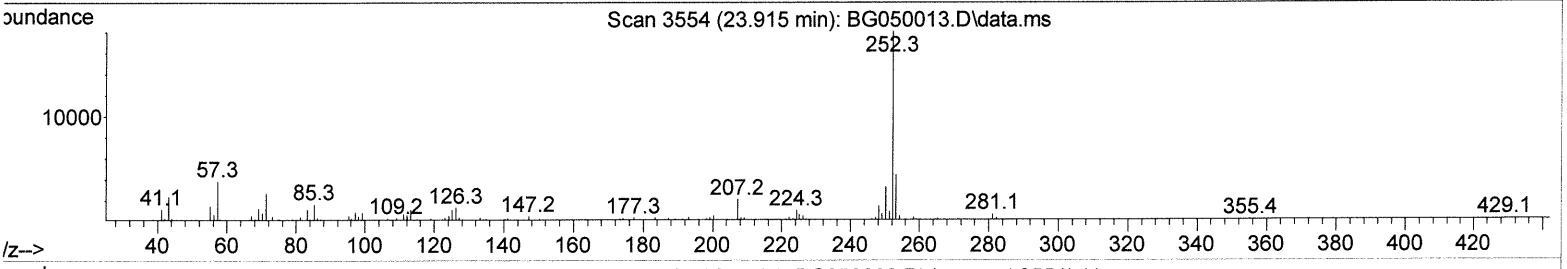
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

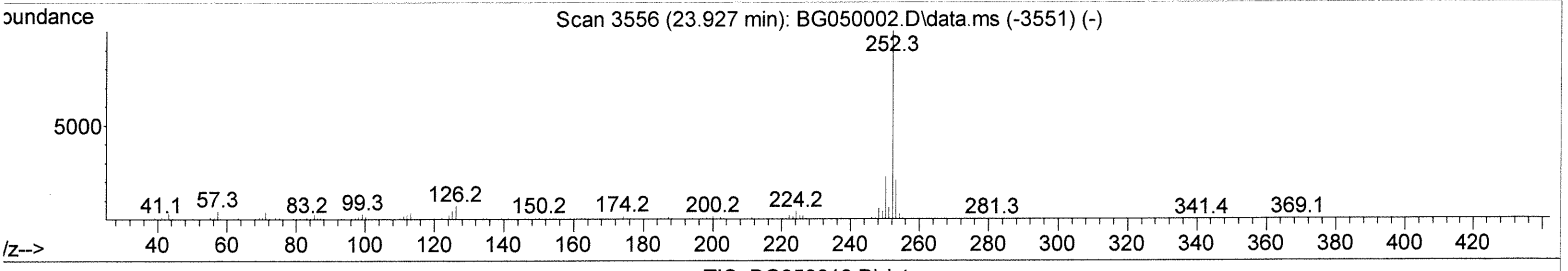
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(91) Benzo(k)fluoranthene

23.915min (-0.017) 3.12 ng/ul m JU 8/30/21

response 38003

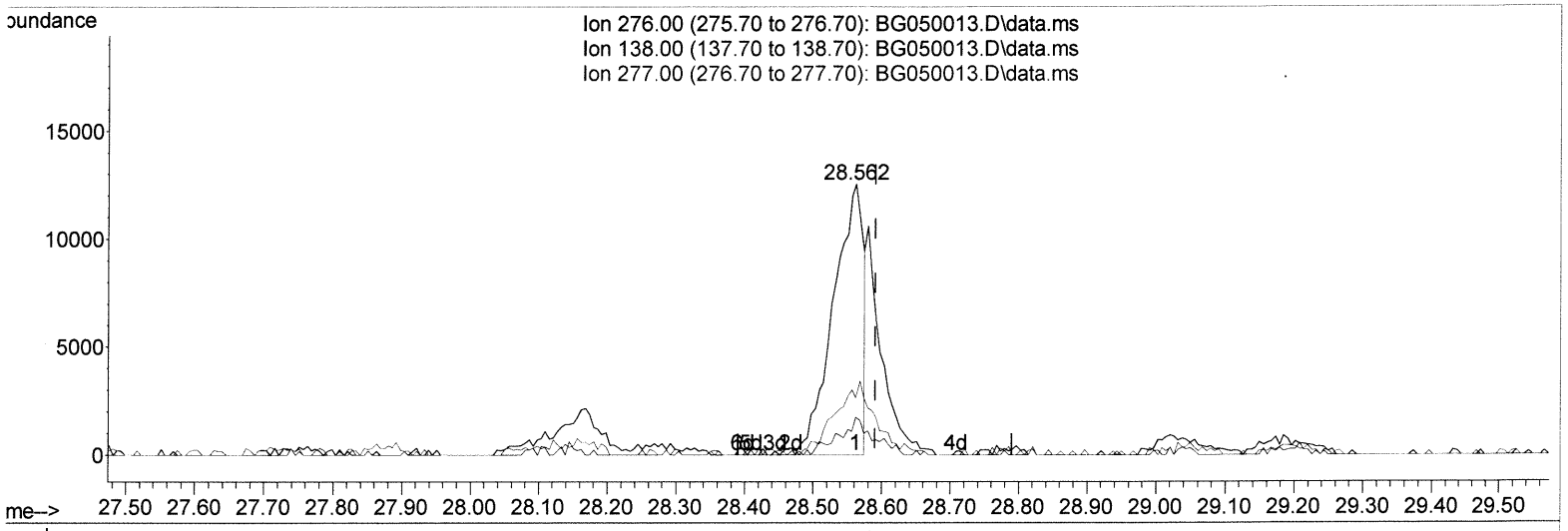
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	24.54
125.00	5.10	5.79
0.00	0.00	0.00

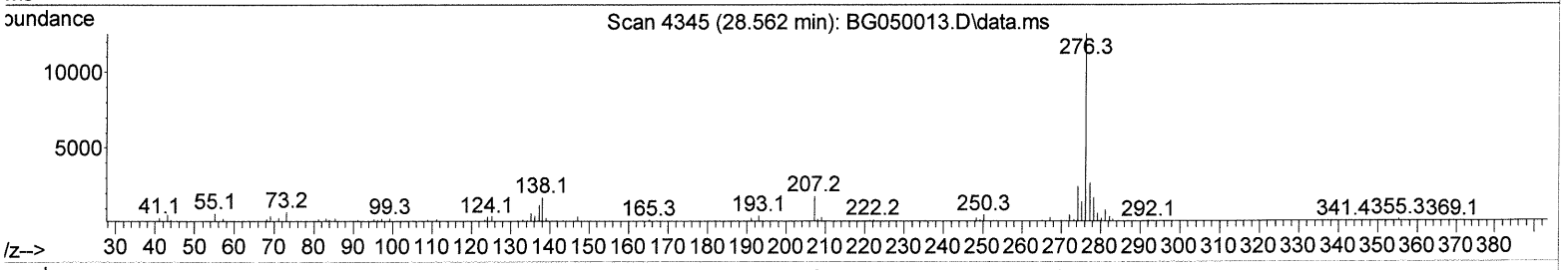
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

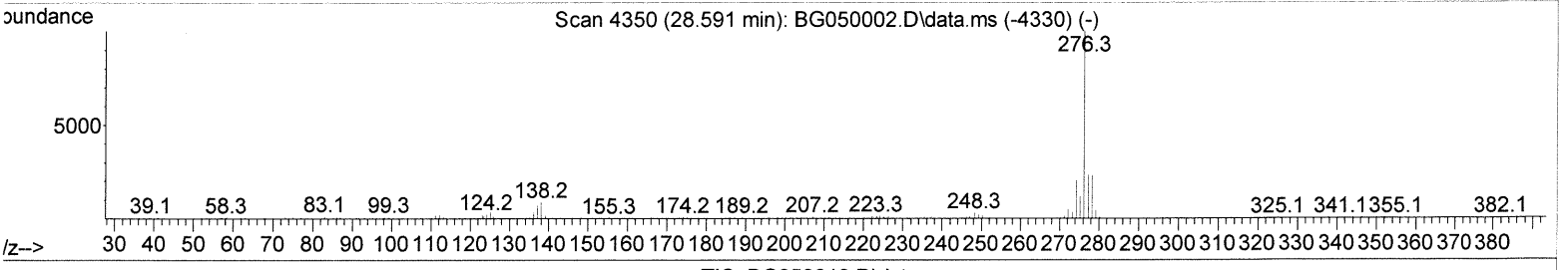
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

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

28.562min (-0.029) 2.56 ng/ul

response 37505

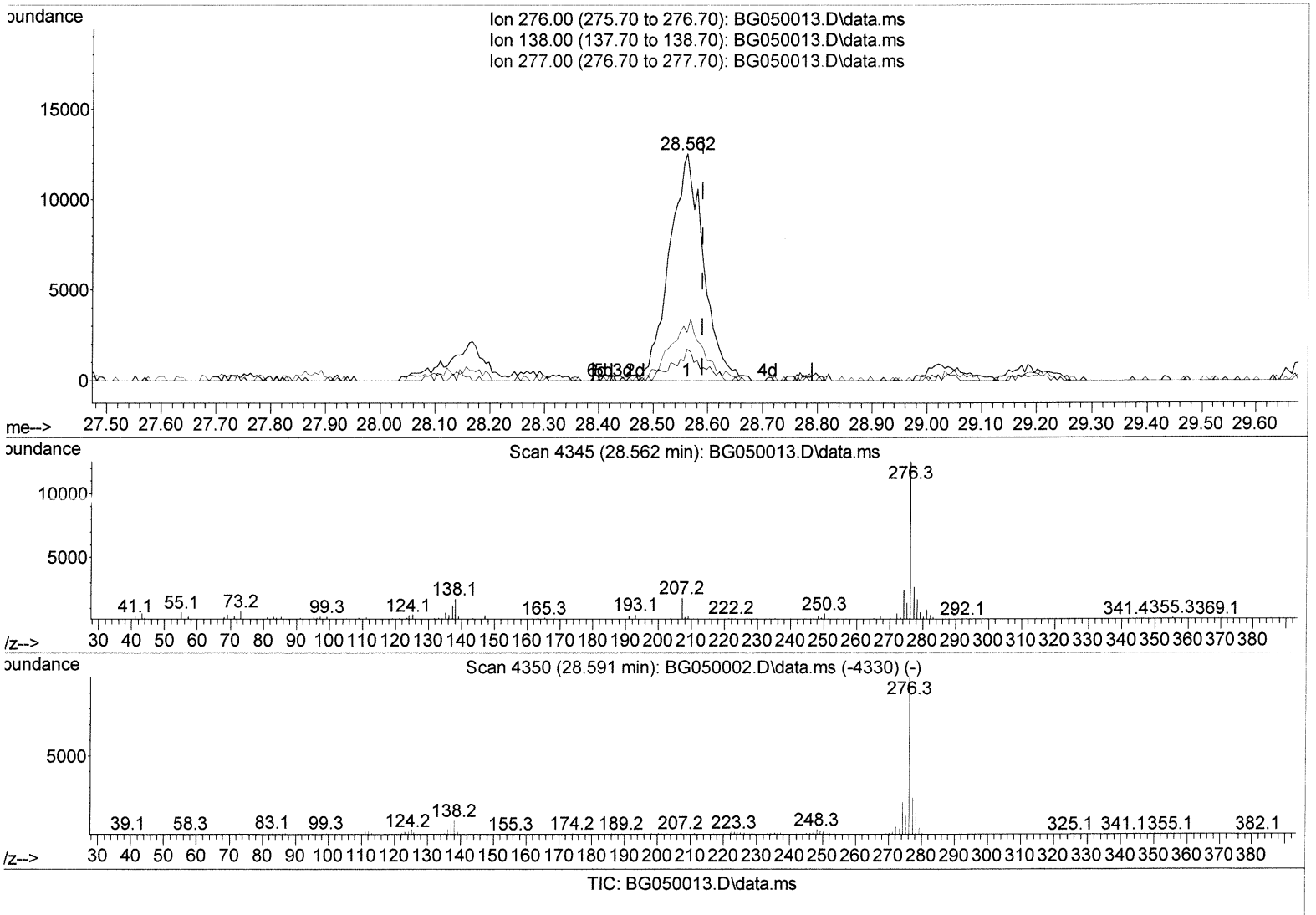
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	13.73#
277.00	23.20	21.21
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM



TIC: BG050013.D\data.ms

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

28.562min (-0.029) 3.66 ng/ul m

response 53649

JG 8/31/21

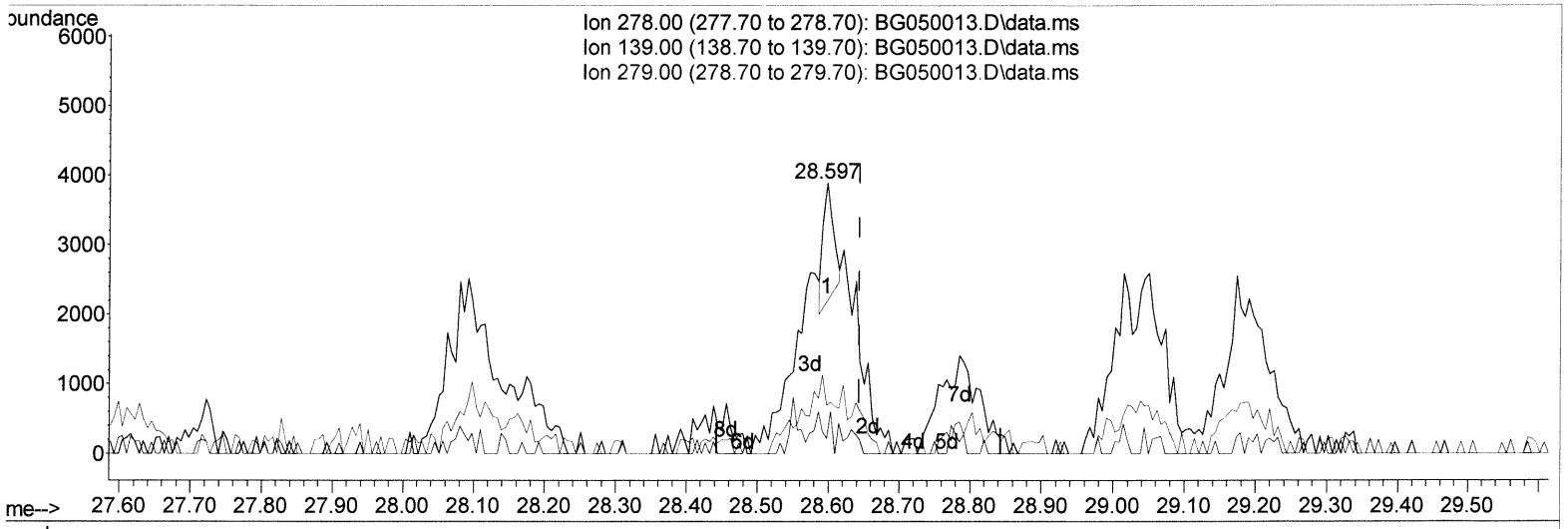
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	13.73#
277.00	23.20	21.21
0.00	0.00	0.00

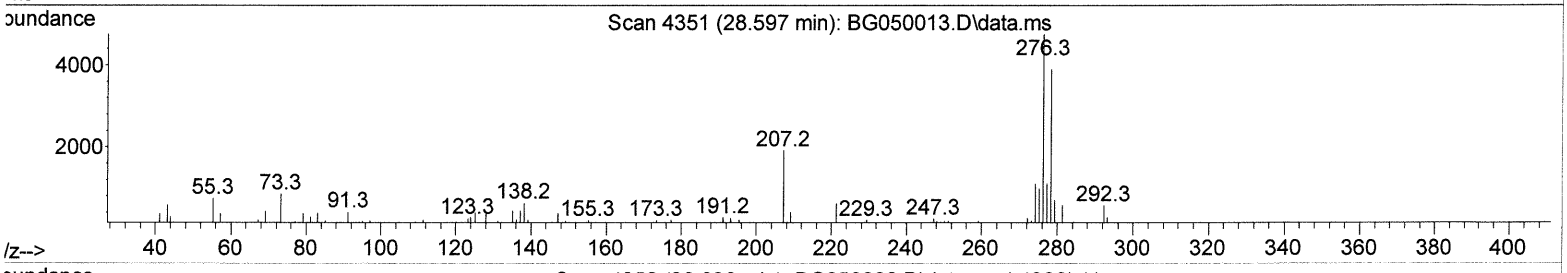
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

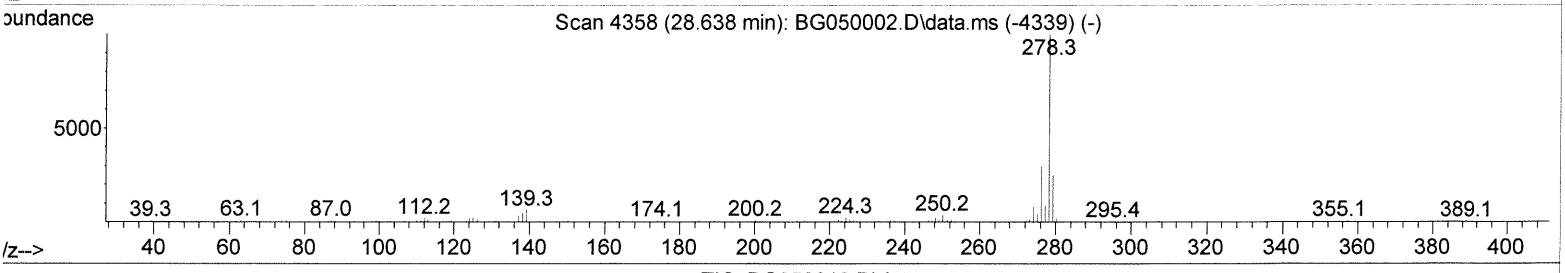
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(95) Dibenzo(a,h)anthracene

28.597min (-0.046) 0.14 ng/ul

response 1766

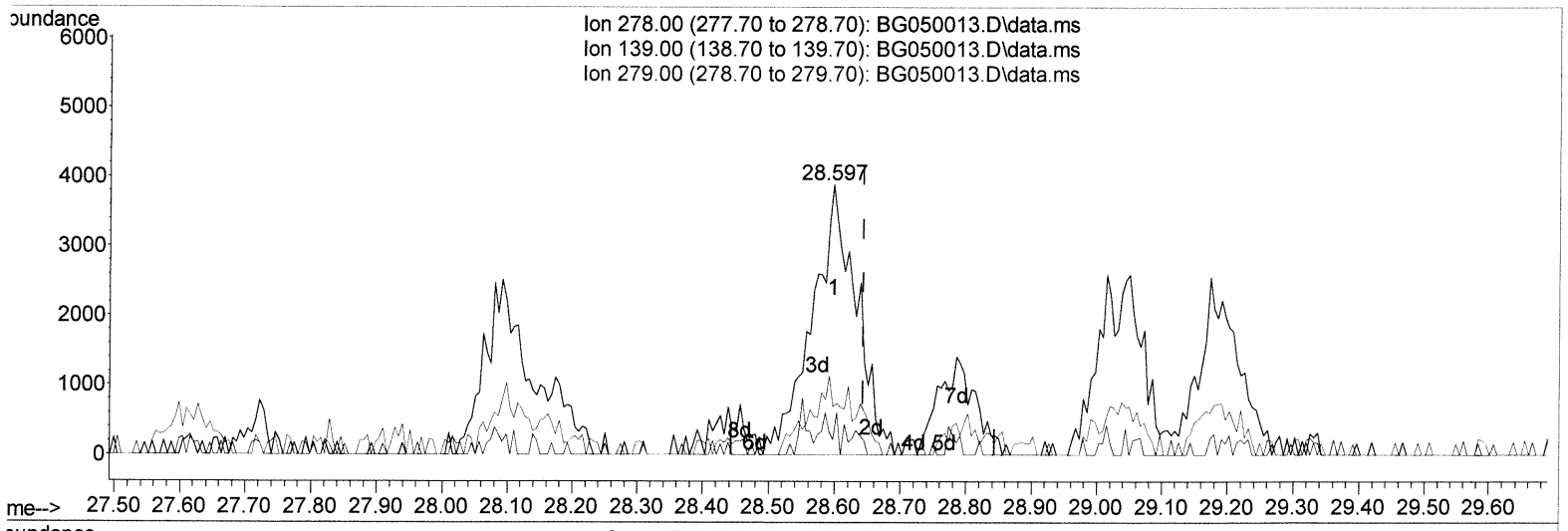
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	5.48
279.00	23.70	17.80#
0.00	0.00	0.00

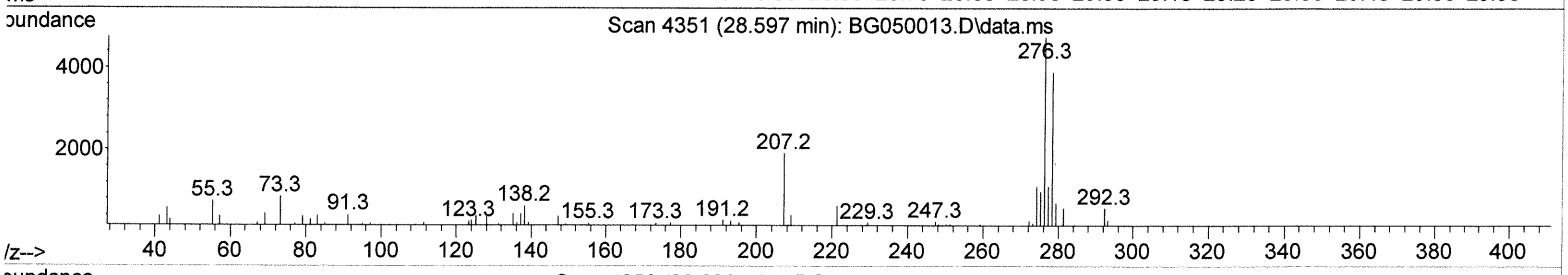
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

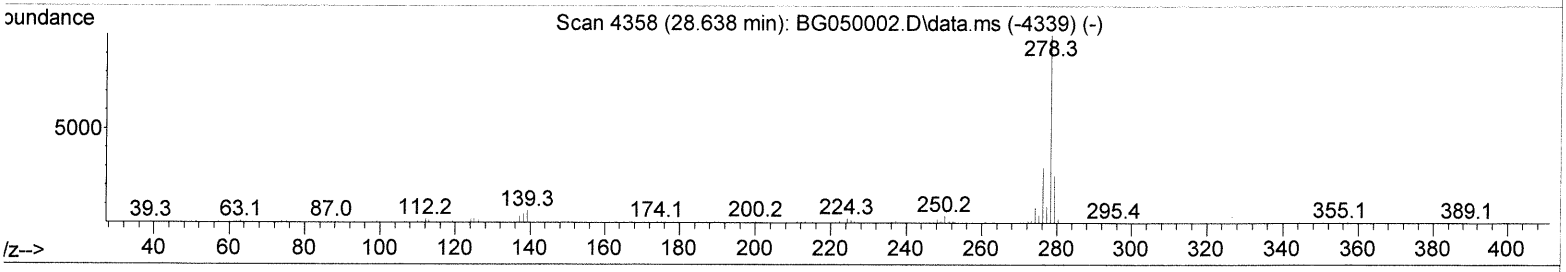
Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM







TIC: BG050013.D\data.ms

(95) Dibenzo(a,h)anthracene

28.597min (-0.046) 1.46 ng/ul m JG 8/31/21

response 17975

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	5.48
279.00	23.70	17.80#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050012.D
Acq On : 28 Aug 2021 1:12
Operator : CG/JU
Sample : M3458-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 02:04:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : C0AR3

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:10 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.966	152	33709	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.786	136	138459	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.628	164	93255	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.377	188	209465	20.000	ng/ul	-0.02
79) Chrysene-d12	21.648	240	204959	20.000	ng/ul	-0.02
88) Perylene-d12	24.879	264	200156	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	1059m	1.620	ng/uL	-0.01
4) Pyridine-d5	3.778	84	3028m	1.538	ng/ul	0.00
7) Phenol-d5	7.132	99	27515	9.612	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	7.285	67	17860	11.231	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.502	132	22697	10.597	ng/ul	-0.01
15) 4-Methylphenol-d8	8.689	113	14491	6.428	ng/ul	-0.01
21) Nitrobenzene-d5	9.135	128	12108	11.280	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.870	143	14327	11.209	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.416	165	23035	10.104	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.927	131	14114	4.548	ng/ul	-0.01
46) Dimethylphthalate-d6	14.023	166	84453	11.833	ng/ul	-0.02
49) Acenaphthylene-d8	14.317	160	100931	12.061	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.863	143	8187m	7.929	ng/ul	0.00
60) Fluorene-d10	15.621	176	72702	12.015	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.756	200	9639	7.153	ng/ul	-0.01
73) Anthracene-d10	17.477	188	102917	10.942	ng/ul	-0.02
81) Pyrene-d10	19.768	212	136419	12.317	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.656	264	115147	10.844	ng/ul	-0.02
Target Compounds						Qvalue
72) Phenanthrene	17.418	178	24111	2.309	ng/ul	97
80) Fluoranthene	19.433	202	70038	5.124	ng/ul#	96
82) Pyrene	19.797	202	68552	5.062	ng/ul	99
85) Benzo(a)anthracene	21.630	228	69012	5.404	ng/ul	97
87) Chrysene	21.701	228	62789	5.201	ng/ul	98
90) Benzo(b)fluoranthene	23.851	252	100623	7.859	ng/ul	94
91) Benzo(k)fluoranthene	23.915	252	38003m	3.123	ng/ul	
93) Benzo(a)pyrene	24.726	252	58013	5.217	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.562	276	53649m	3.658	ng/ul	
95) Dibenzo(a,h)anthracene	28.597	278	17975m	1.464	ng/ul	

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