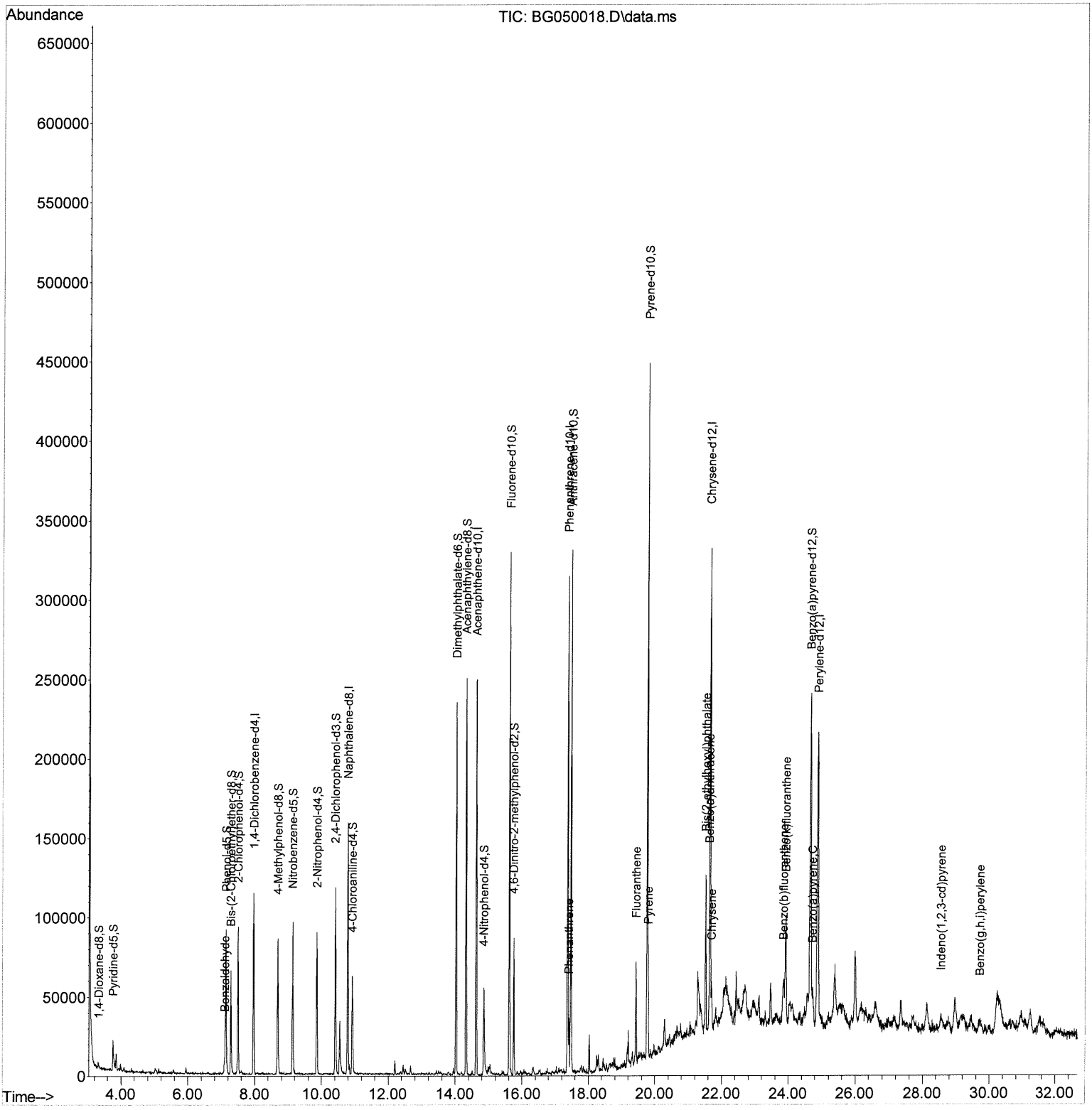
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:01:53 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 :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:13:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
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BNA_G
ClientSampleId :
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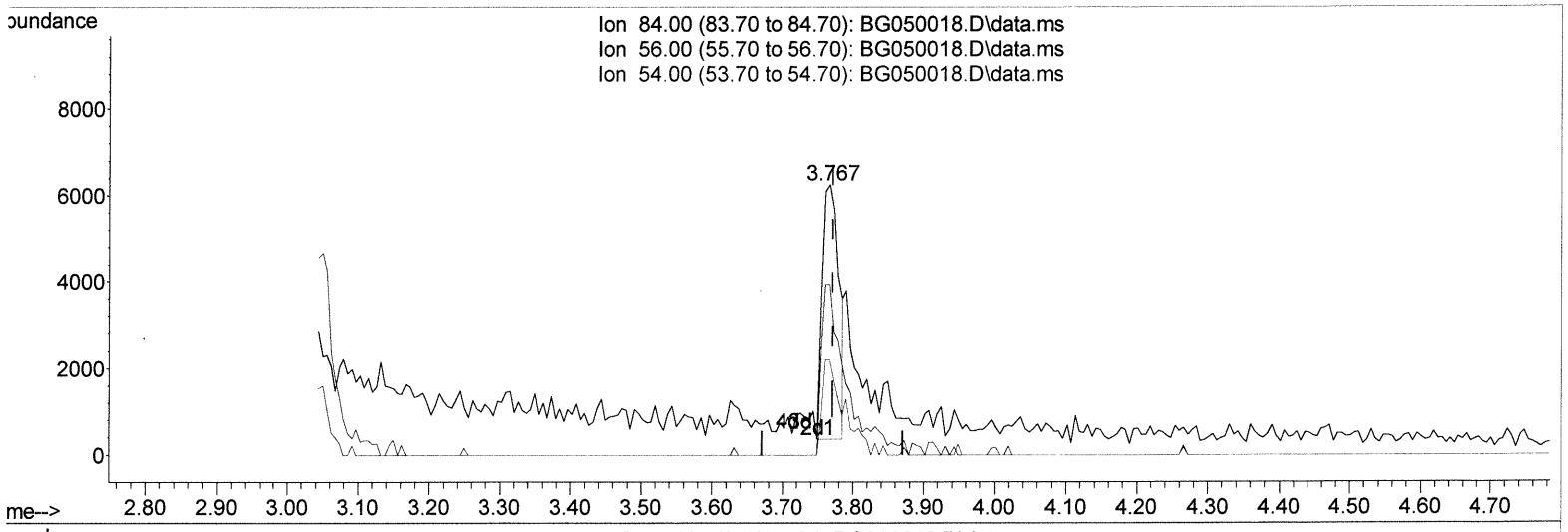
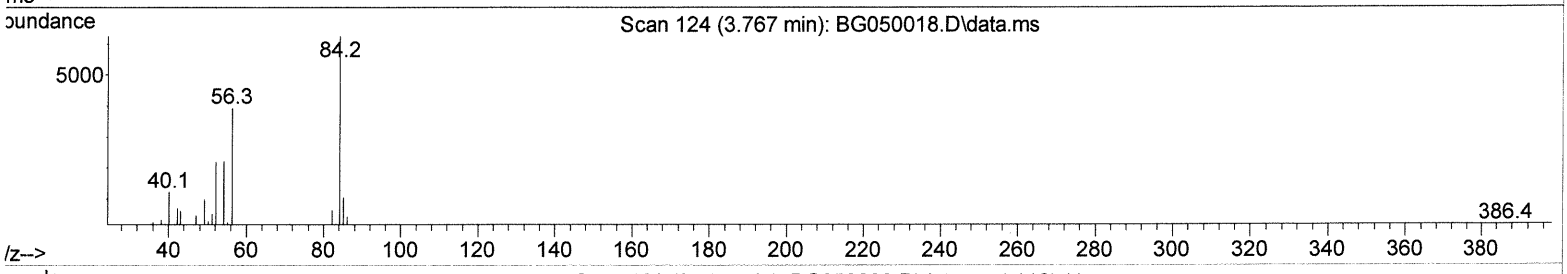
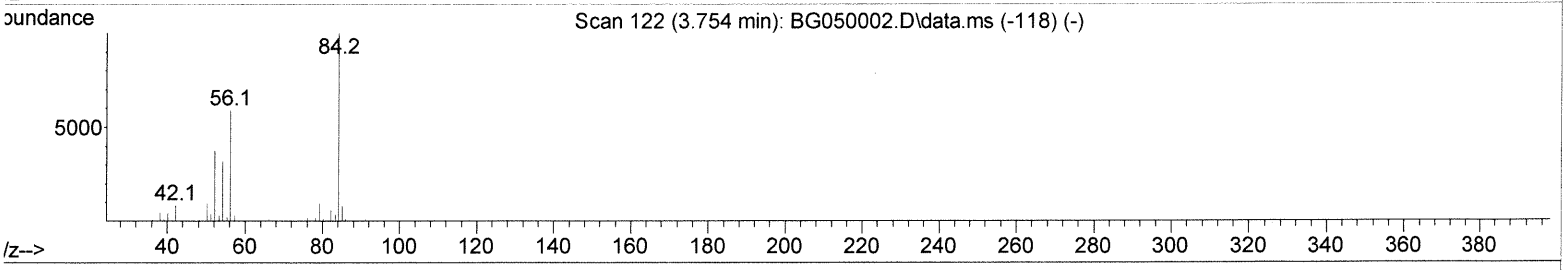
Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

(4) Pyridine-d5 (S)

3.767min (-0.005) 5.04 ng/ul

response 9637

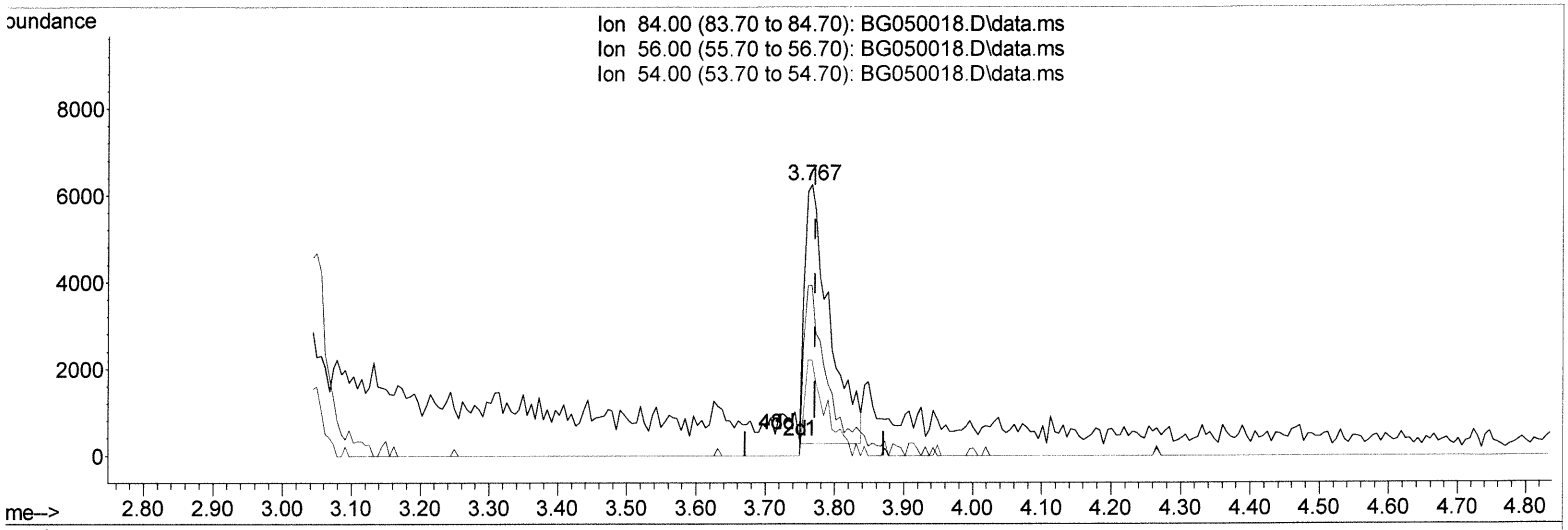
Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	62.80
54.00	37.00	35.33
0.00	0.00	0.00

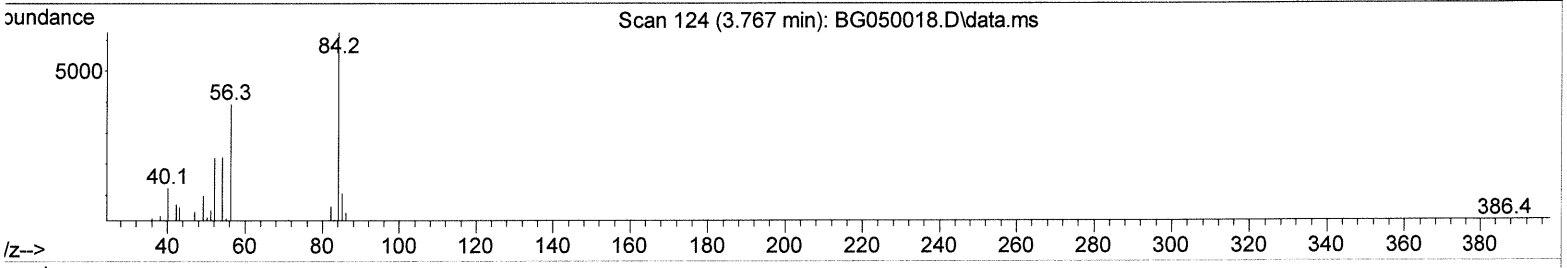
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

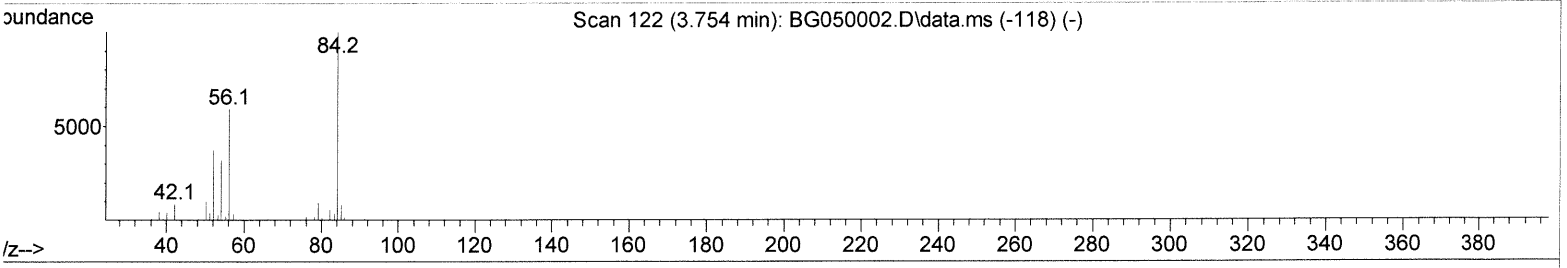
Quant Time: Aug 28 06:01:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

(4) Pyridine-d5 (S)

3.767min (-0.005) 7.84 ng/ul m JG 8/31/21

response 14973

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	62.80
54.00	37.00	35.33
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:13:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
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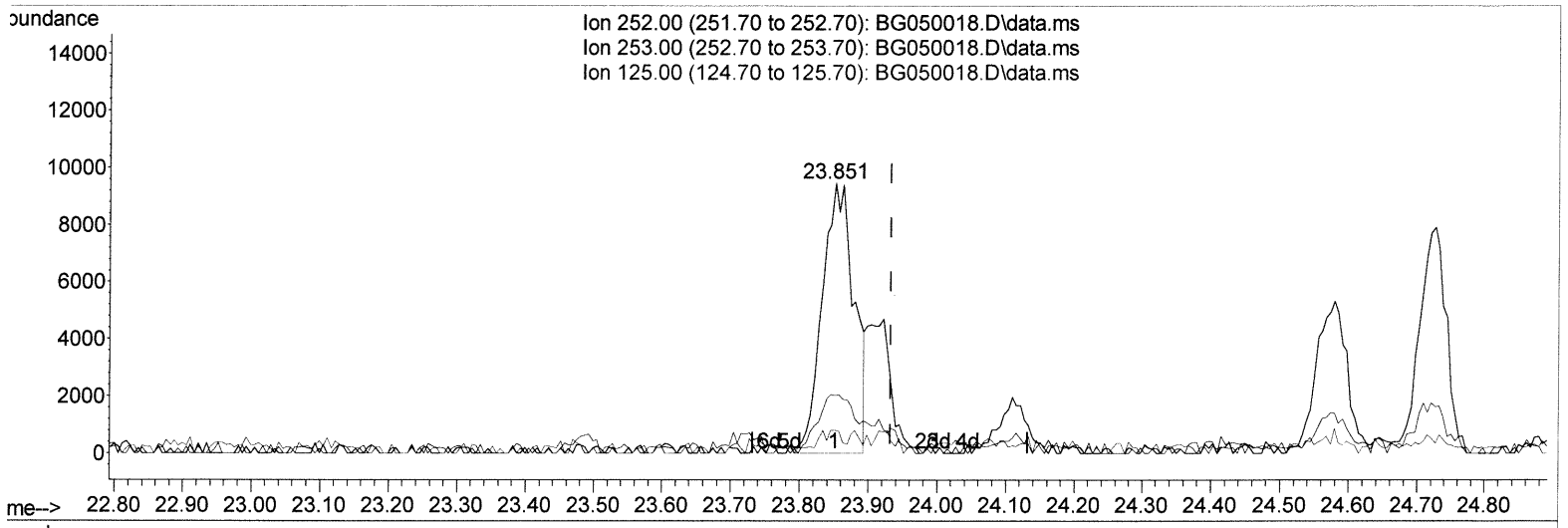
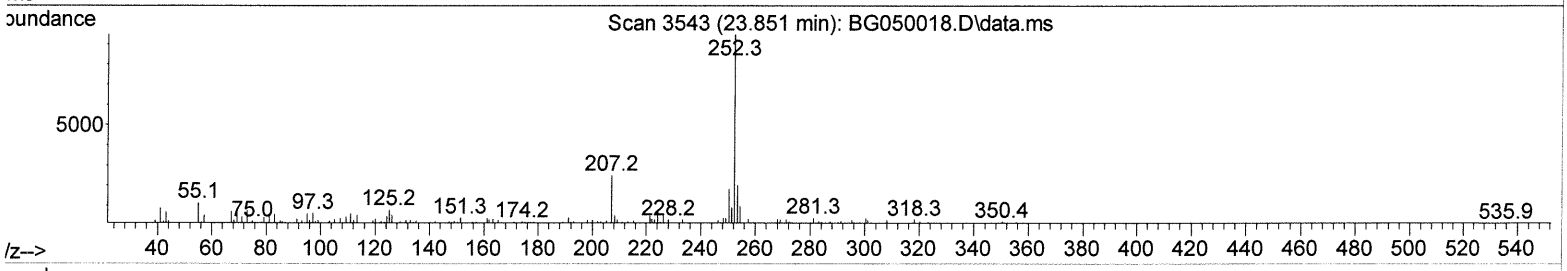
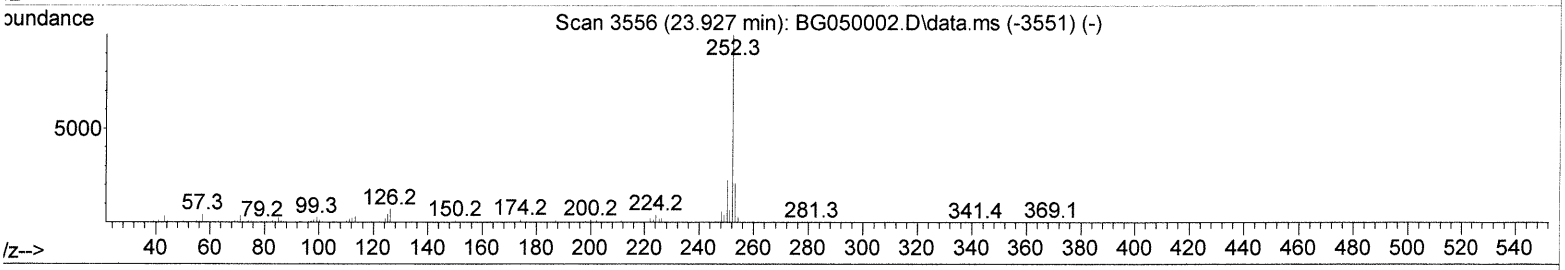
Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

(91) Benzo(k)fluoranthene

23.851min (-0.081) 2.71 ng/ul

response 30146

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	21.34
125.00	5.10	8.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:01:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
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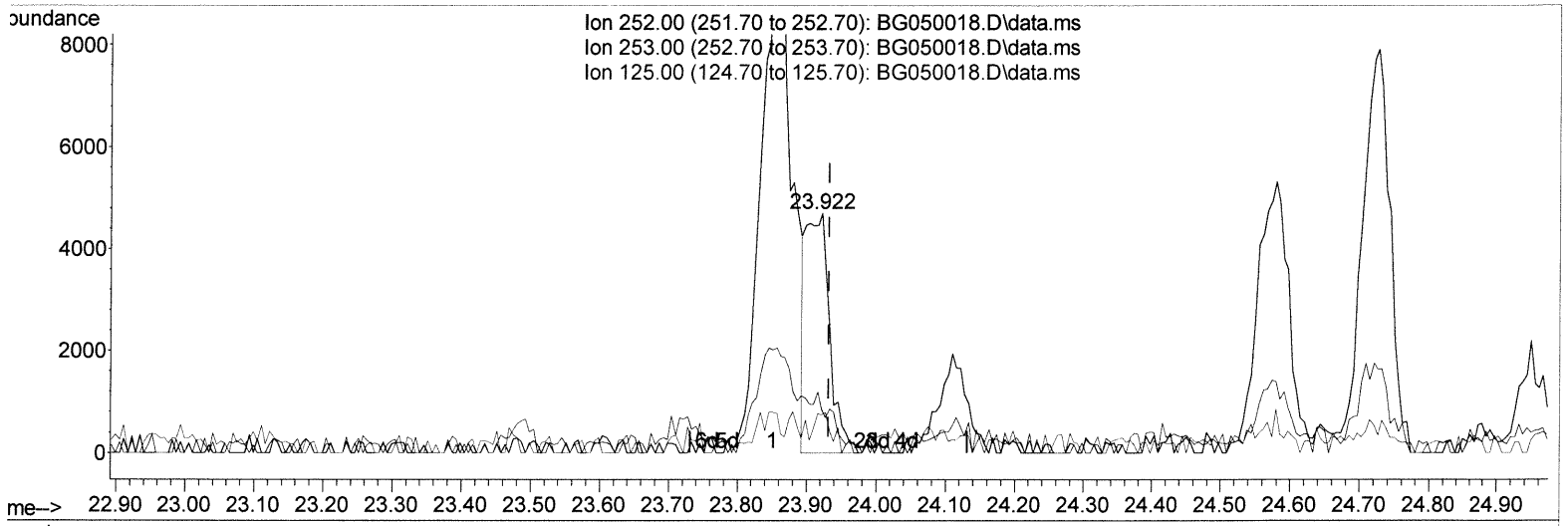
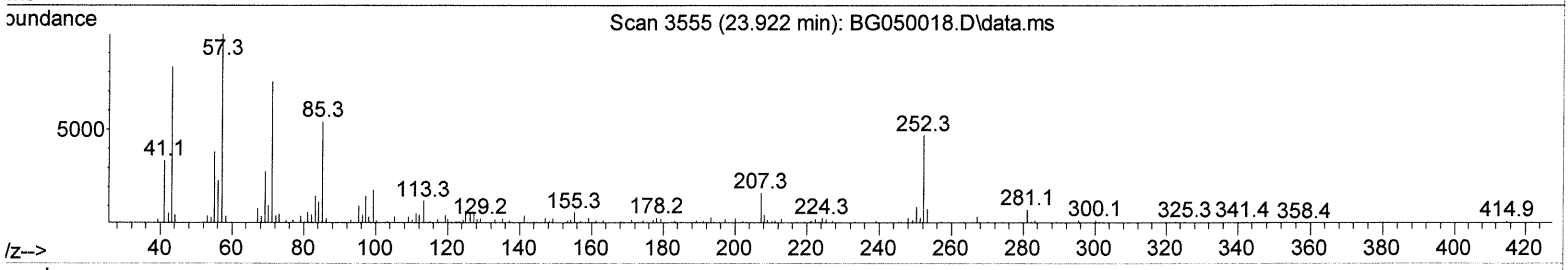
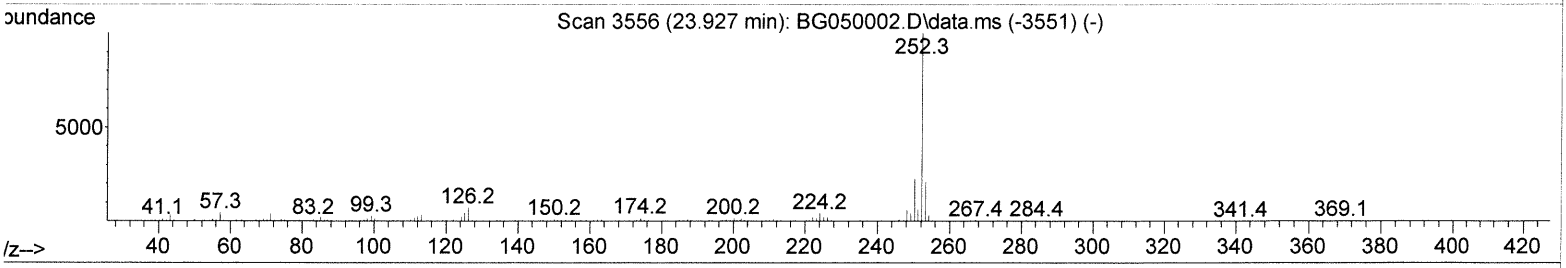
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

(91) Benzo(k)fluoranthene

23.922min (-0.011) 1.00 ng/ul m

response 11154

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	18.05
125.00	5.10	15.88#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:13:12 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
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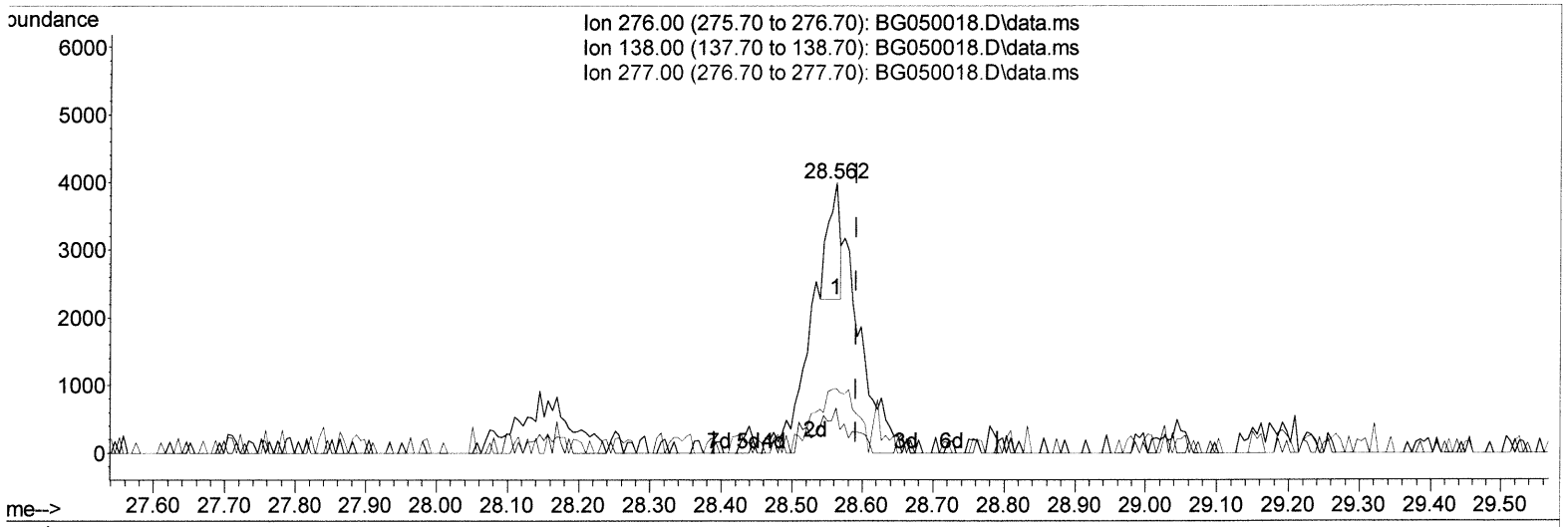
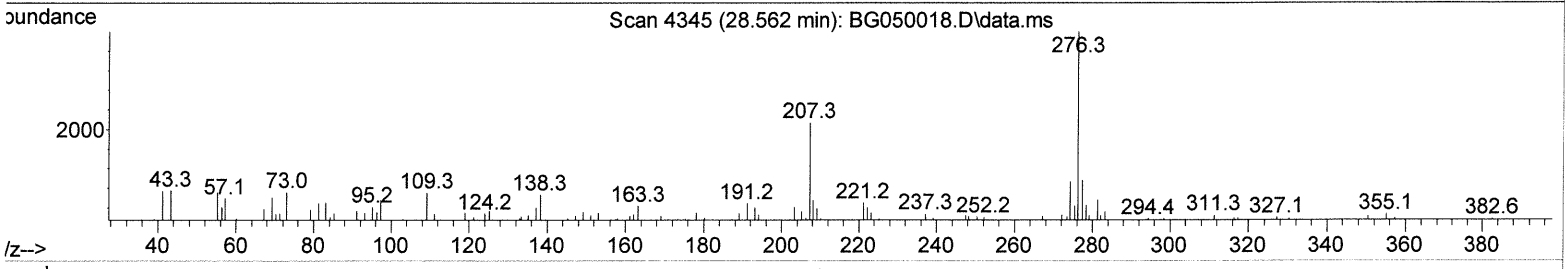
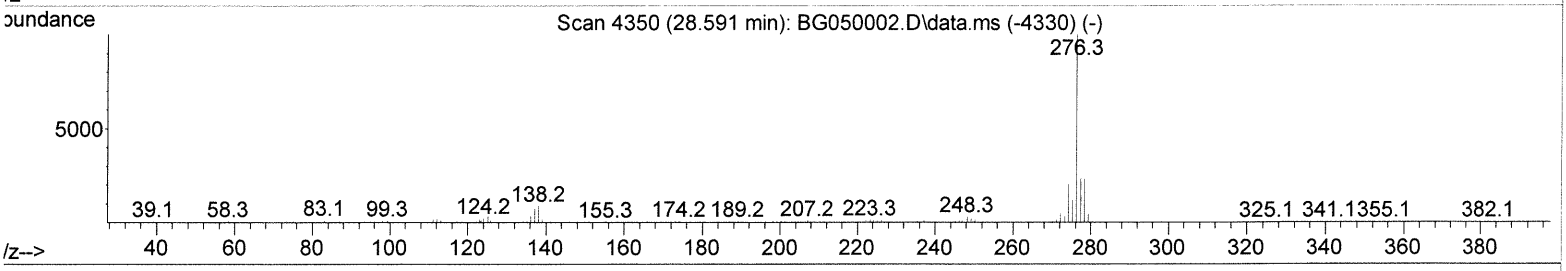
Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

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

28.562min (-0.028) 0.15 ng/ul

response 2035

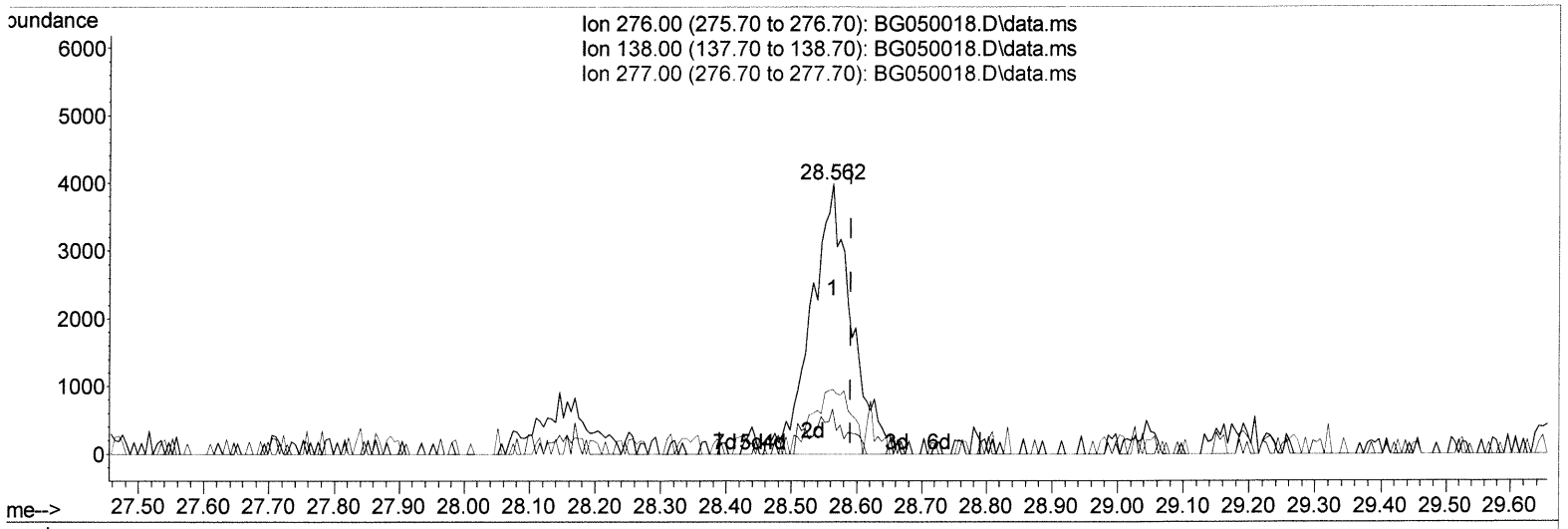
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	16.60#
277.00	23.20	24.05
0.00	0.00	0.00

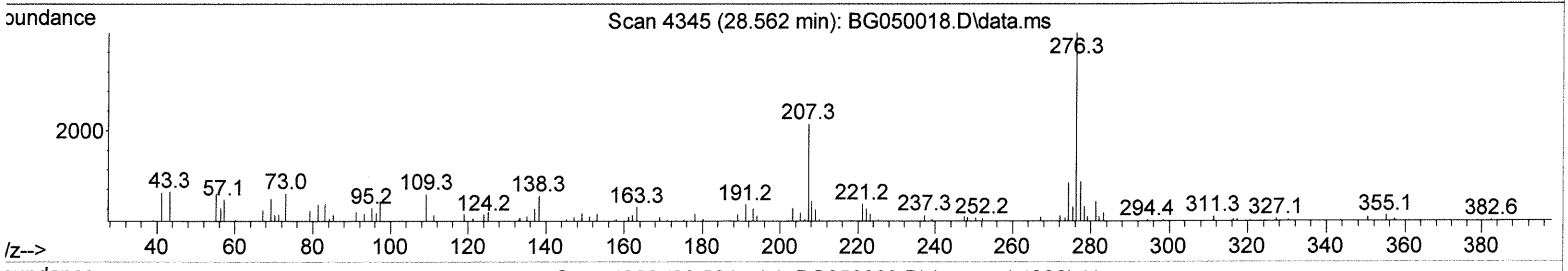
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

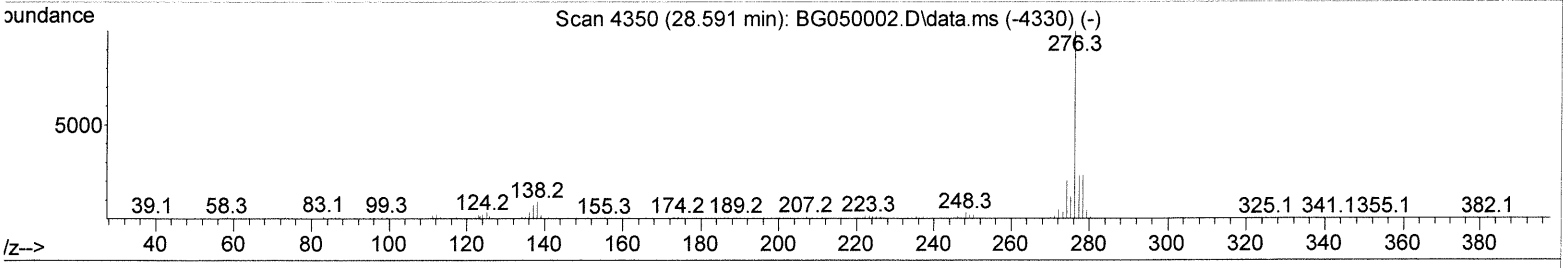
Quant Time: Aug 28 06:01:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

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

28.562min (-0.028) 1.27 ng/ul m JU 8/31/21

response 17019

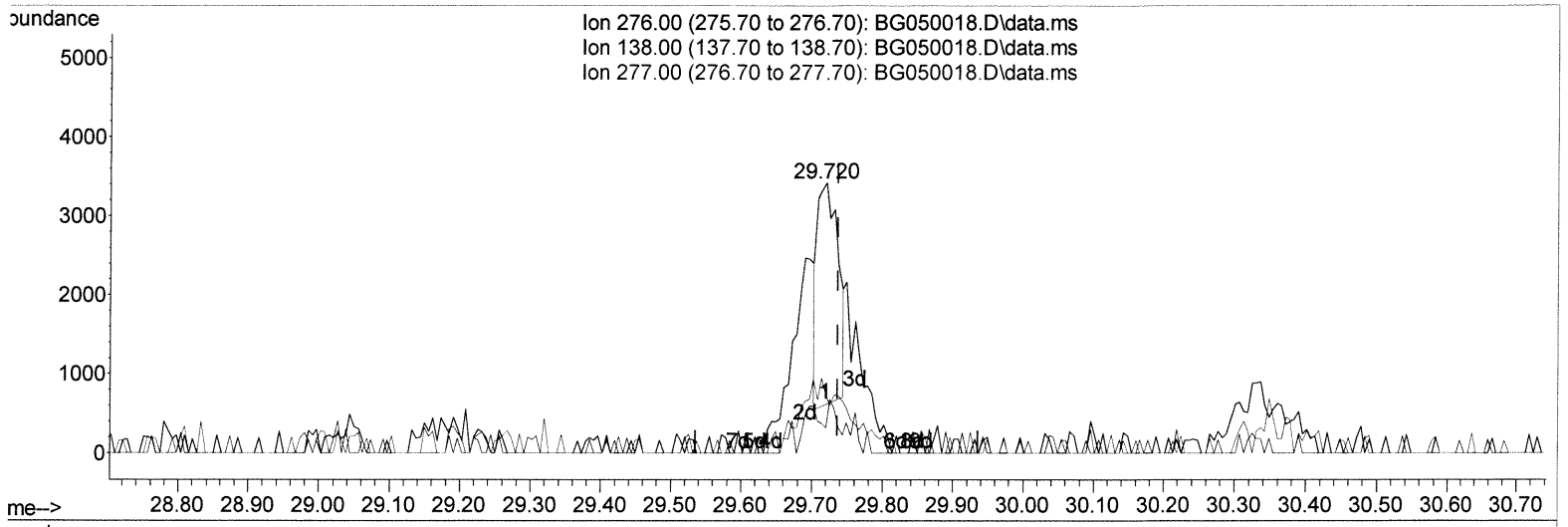
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	16.60#
277.00	23.20	24.05
0.00	0.00	0.00

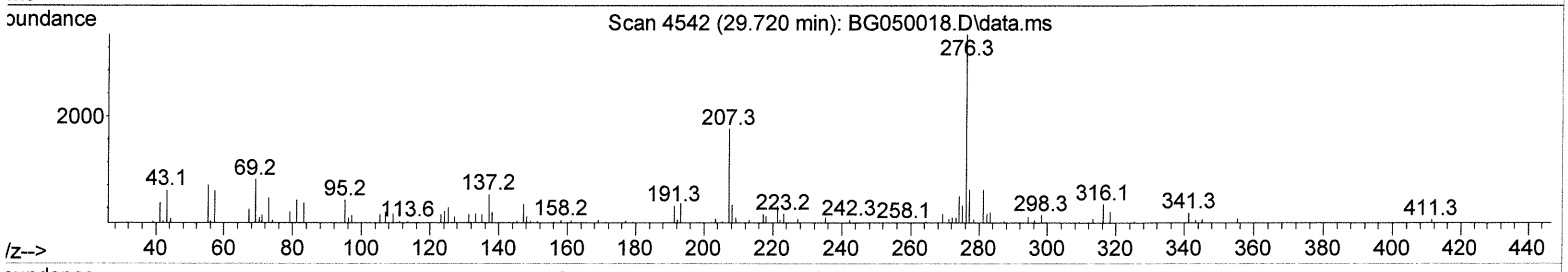
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

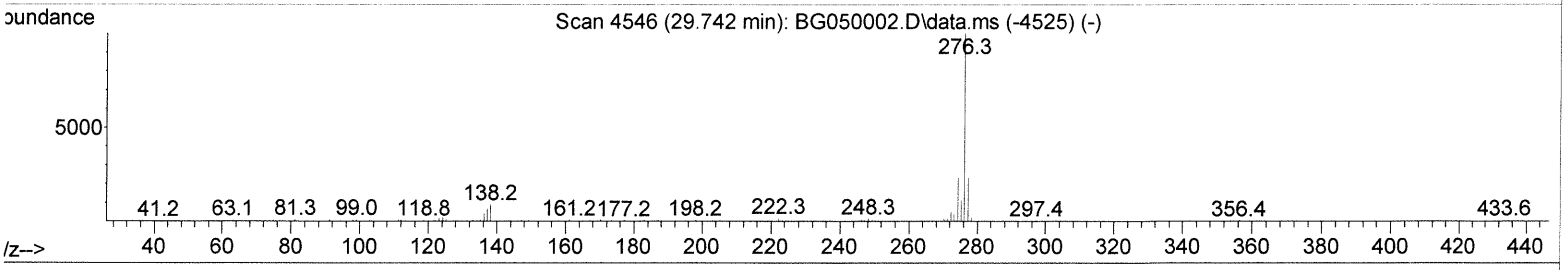
Quant Time: Aug 28 06:13:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

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

29.720min (-0.017) 0.50 ng/ul

response 5674

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.43
277.00	21.70	21.31
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 06:01:53 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
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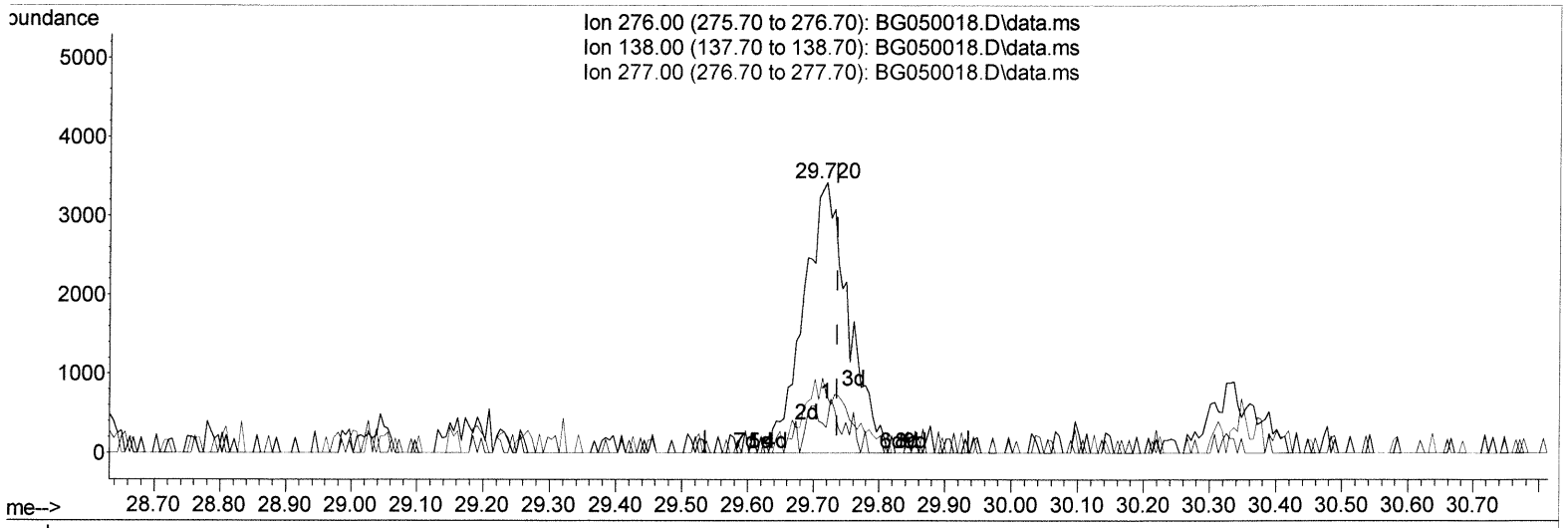
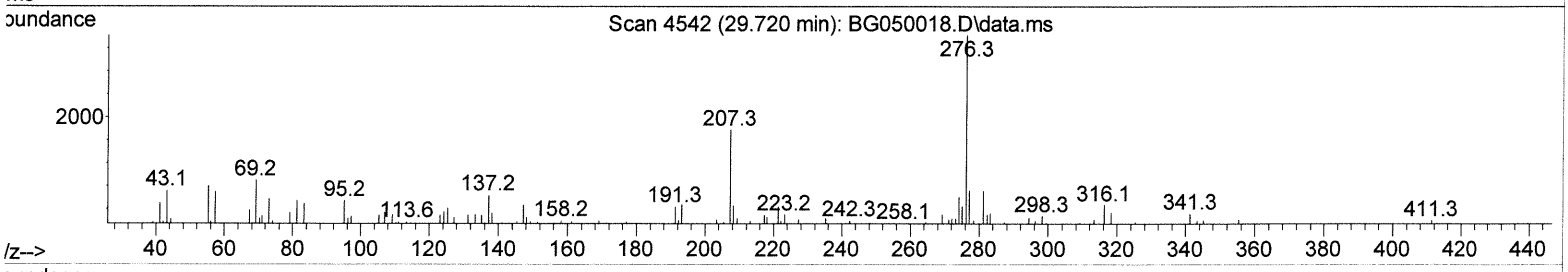
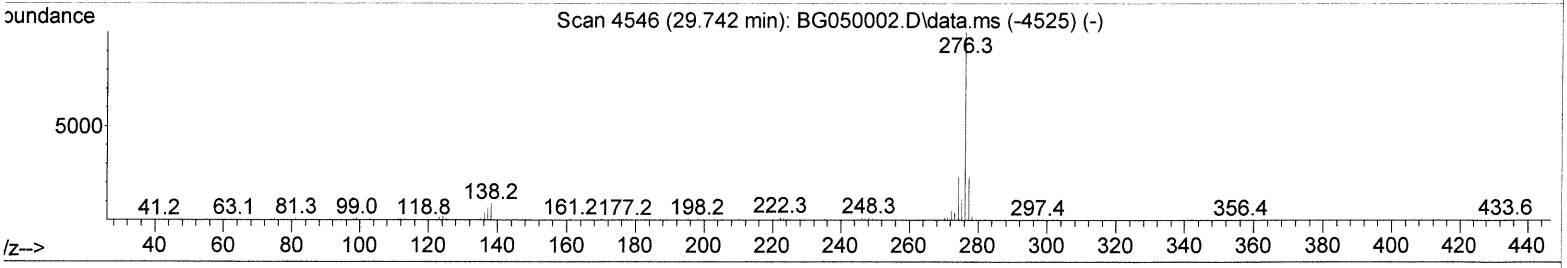
Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM







TIC: BG050018.D\data.ms

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

29.720min (-0.017) 1.44 ng/ul m JU 8/31/21

response 16163

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.43
277.00	21.70	21.31
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050017.D
Acq On : 28 Aug 2021 5:19
Operator : CG/JU
Sample : M3518-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B08

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:23 AM

Quant Time: Aug 28 06:01:53 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	32716	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.786	136	129393	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.628	164	92641	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.377	188	193458	20.000	ng/ul	-0.02
79) Chrysene-d12	21.648	240	179709	20.000	ng/ul	-0.02
88) Perylene-d12	24.879	264	182677	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	2129	3.356	ng/uL	-0.01
4) Pyridine-d5	3.767	84	14973m	7.835	ng/ul	0.00
7) Phenol-d5	7.138	99	52971	19.067	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.285	67	31609	20.480	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.497	132	42584	20.486	ng/ul	-0.02
15) 4-Methylphenol-d8	8.689	113	34020	15.549	ng/ul	-0.01
21) Nitrobenzene-d5	9.142	128	23913	23.838	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.864	143	27284	22.841	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.416	165	45367	21.294	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.927	131	33863	11.677	ng/ul	-0.01
46) Dimethylphthalate-d6	14.023	166	149193	21.043	ng/ul	-0.02
49) Acenaphthylene-d8	14.317	160	187519	22.557	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.857	143	15562	15.171	ng/ul	0.00
60) Fluorene-d10	15.621	176	131081	21.806	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.756	200	19319	15.522	ng/ul	-0.01
73) Anthracene-d10	17.477	188	184068	21.188	ng/ul	-0.02
81) Pyrene-d10	19.768	212	229230	23.604	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.656	264	214899	22.174	ng/ul	-0.02
Target Compounds						Qvalue
6) Benzaldehyde	7.103	77	3950	2.471	ng/ul#	84
72) Phenanthrene	17.419	178	19574	2.030	ng/ul#	93
80) Fluoranthene	19.434	202	39077	3.261	ng/ul	99
82) Pyrene	19.798	202	32550	2.741	ng/ul	97
85) Benzo(a)anthracene	21.631	228	19747	1.763	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.519	149	39626	6.157	ng/ul	99
87) Chrysene	21.695	228	22105	2.088	ng/ul	98
90) Benzo(b)fluoranthene	23.851	252	30146	2.580	ng/ul#	96
91) Benzo(k)fluoranthene	23.922	252	11154m	1.004	ng/ul	94
93) Benzo(a)pyrene	24.726	252	21492	2.118	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.562	276	17019m	1.271	ng/ul	
96) Benzo(g,h,i)perylene	29.720	276	16163m	1.436	ng/ul	

JU 8/31/21

JU 8/31/21

JU 8/31/21

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