

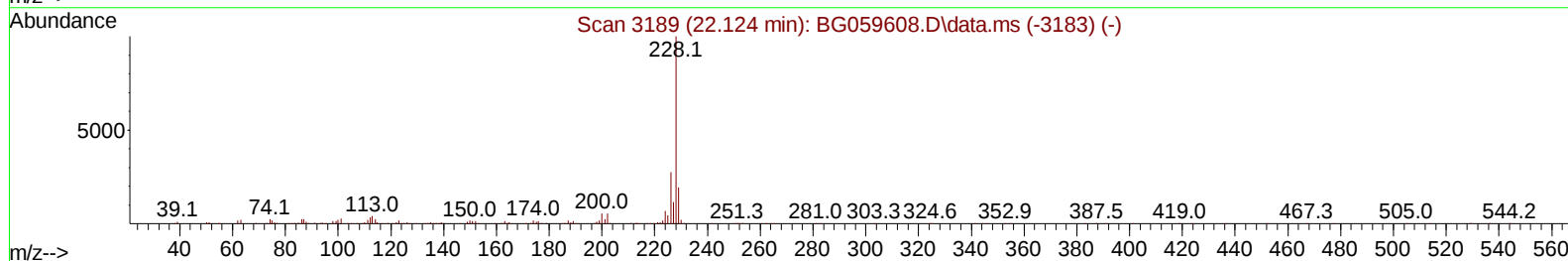
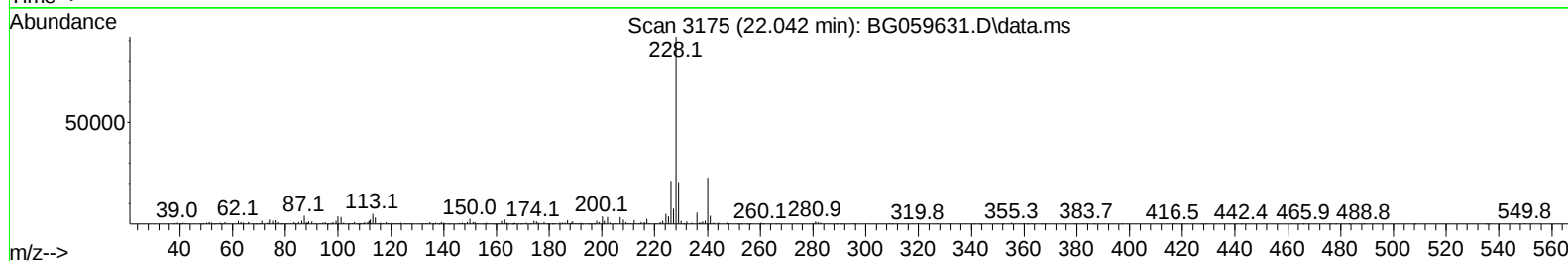
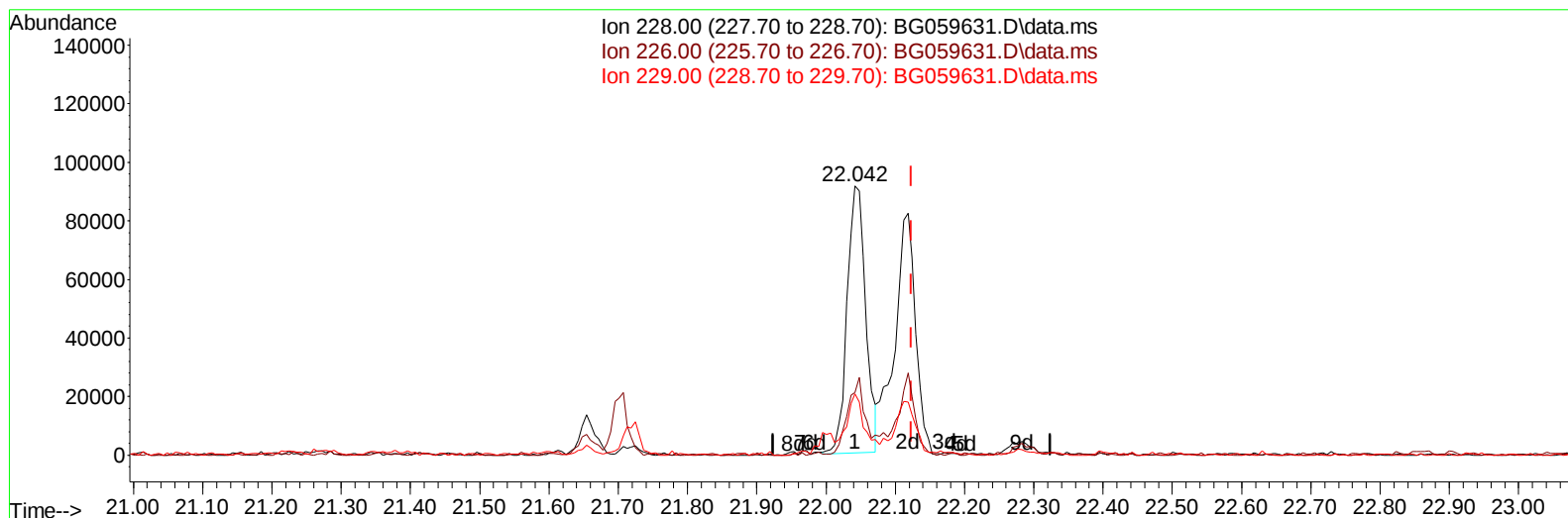
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059631.D
Acq On : 4 Nov 2023 21:22
Operator : MA/JU
Sample : 05060-13DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:50:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(87) Chrysene

22.042min (-0.082) 6.99 ng/u1

response 170961

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	27.10	23.23
229.00	19.60	22.66
0.00	0.00	0.00

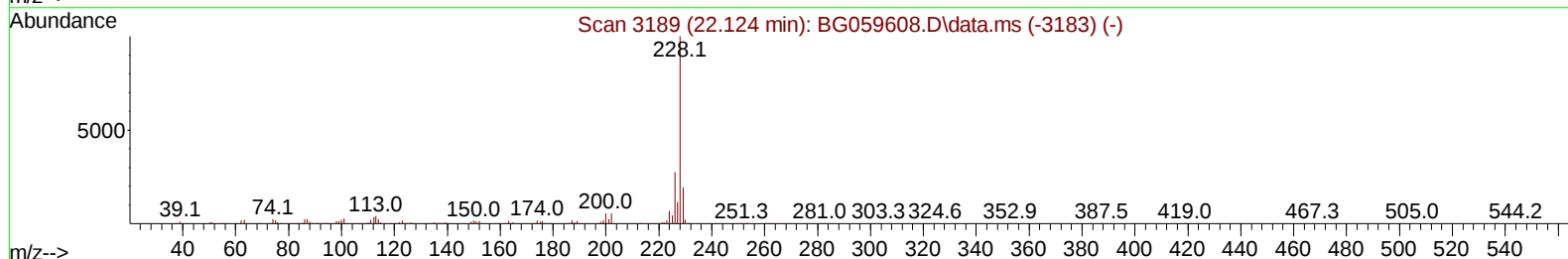
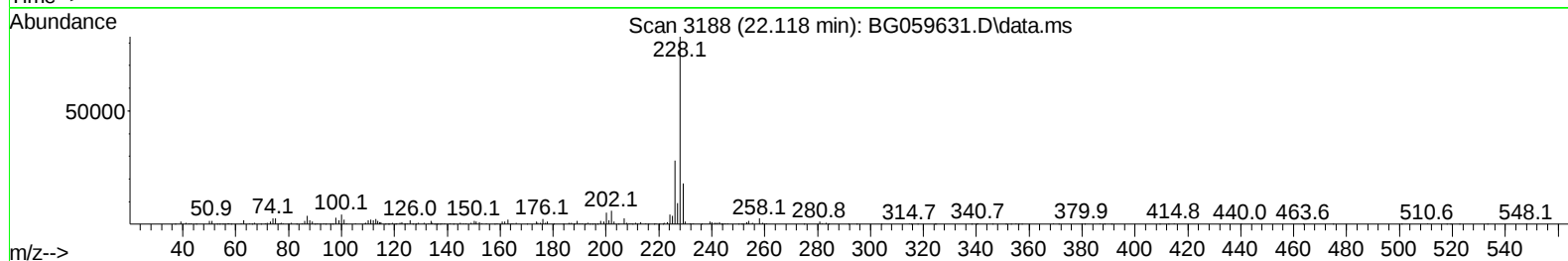
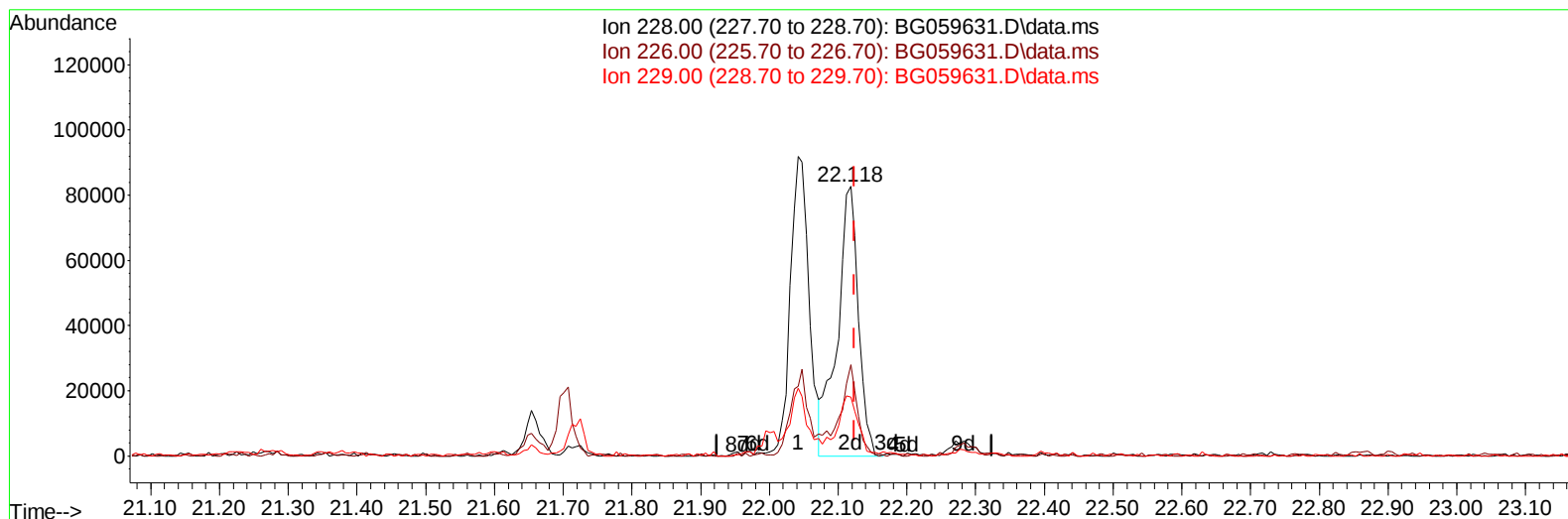
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:50:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(87) Chrysene

22.118min (-0.006) 7.22 ng/u1 m

response 176522

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	27.10	33.88#
229.00	19.60	21.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

BNA_G

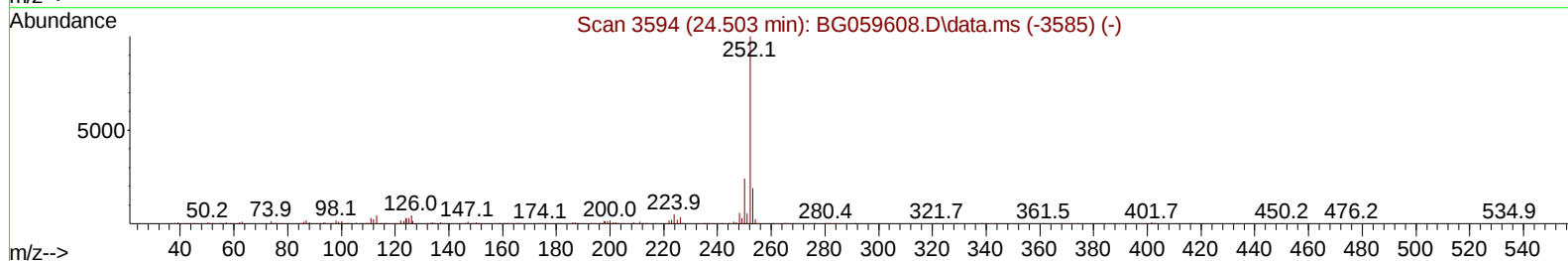
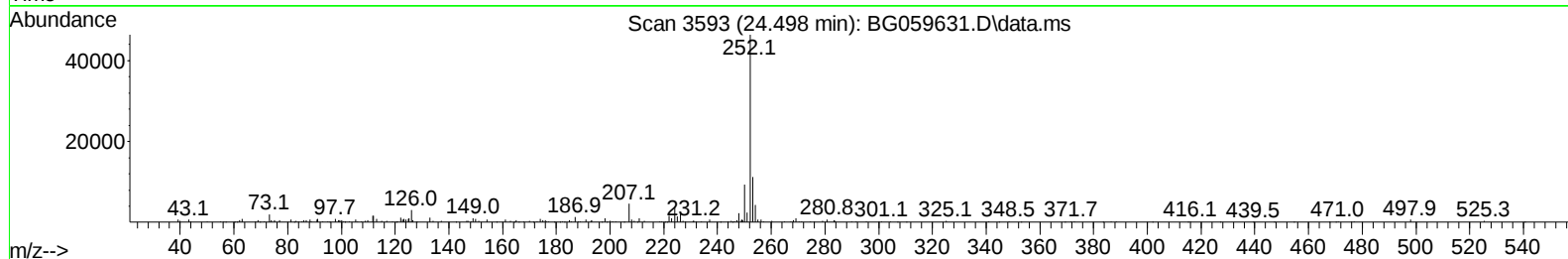
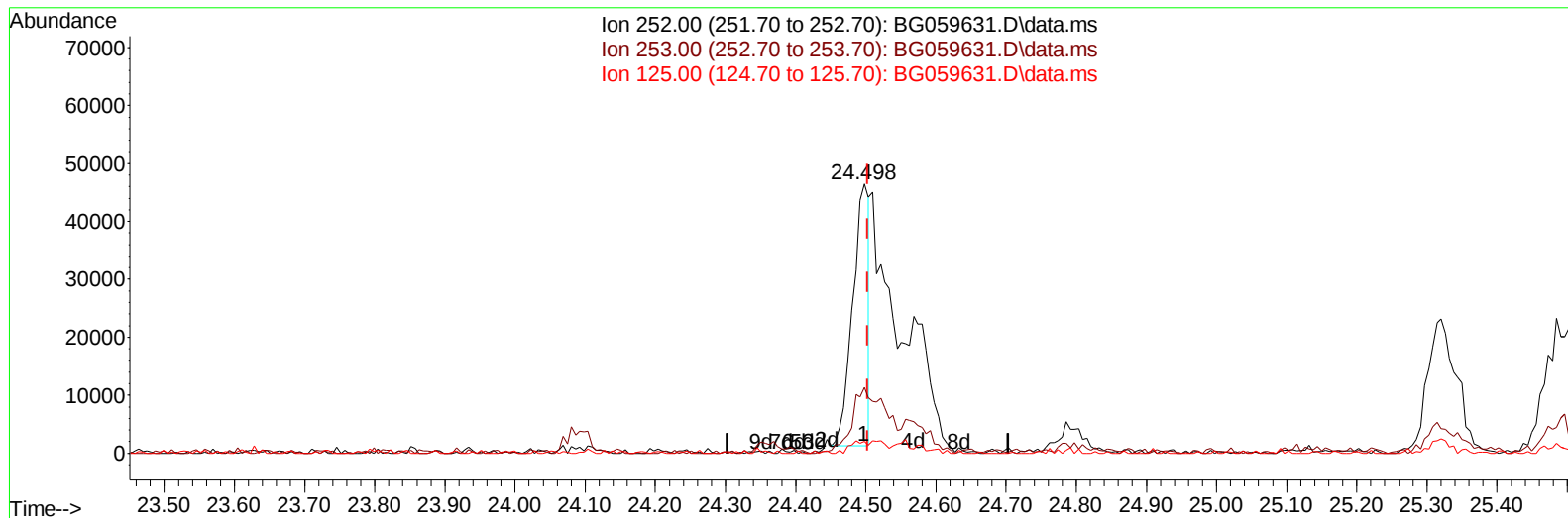
ClientSampleId :

DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:50:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(90) Benzo(b)fluoranthene

24.498min (-0.006) 2.80 ng/u1

response 73749

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	18.90	24.46#
125.00	3.00	4.31#
0.00	0.00	0.00

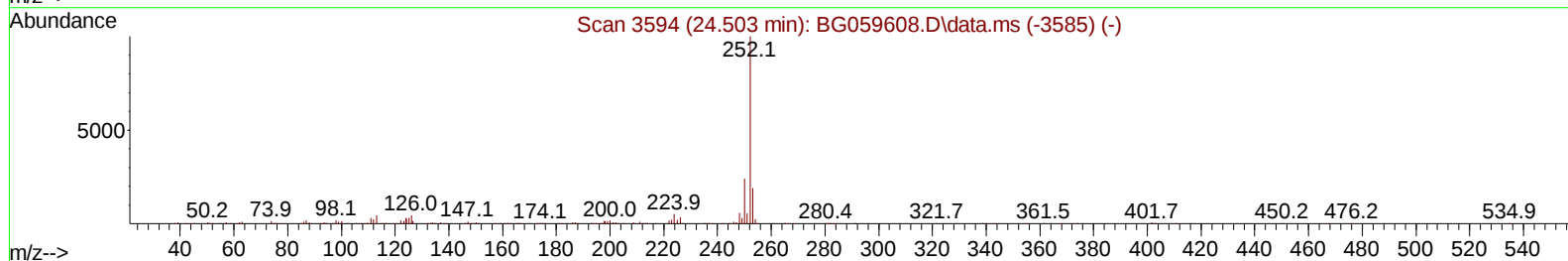
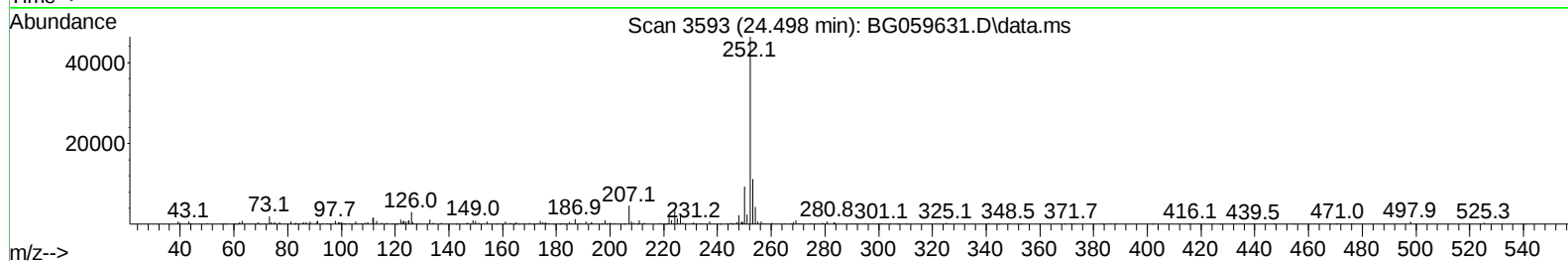
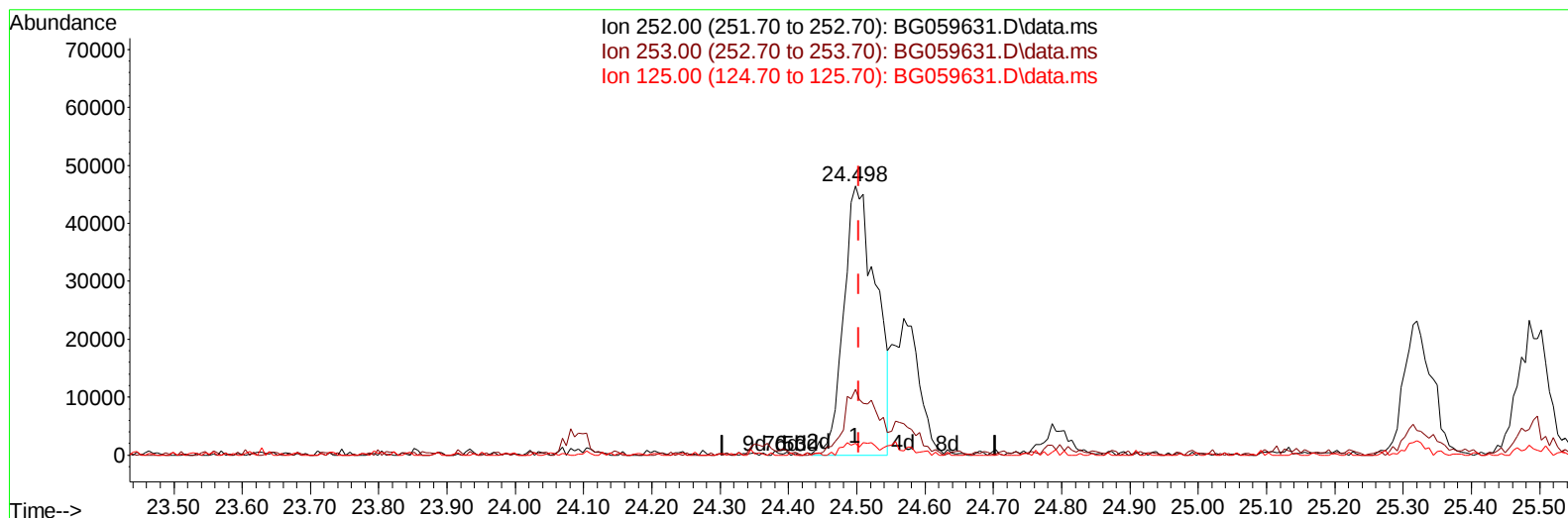
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:50:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(90) Benzo(b)fluoranthene

24.498min (-0.006) 5.80 ng/u1 m

response 152681

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	18.90	24.46#
125.00	3.00	2.26#
0.00	0.00	0.00

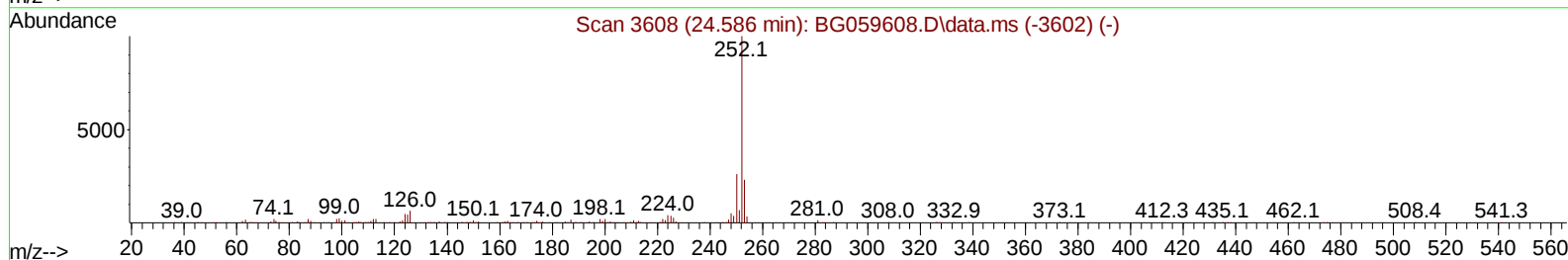
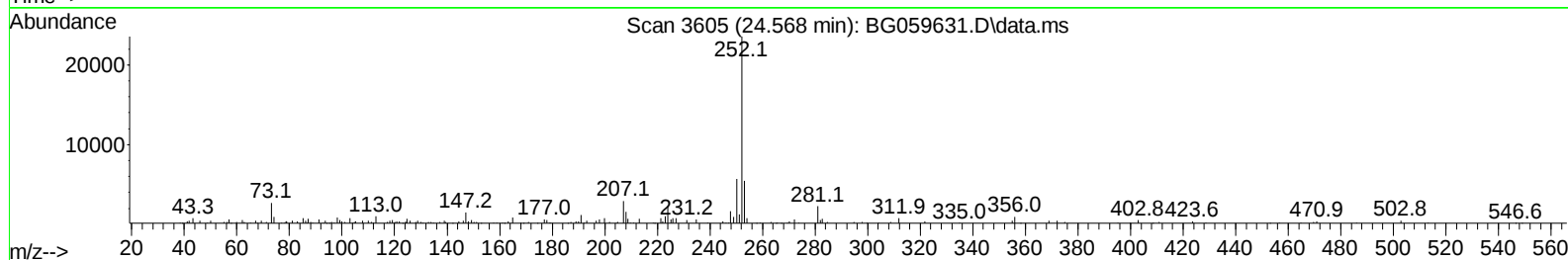
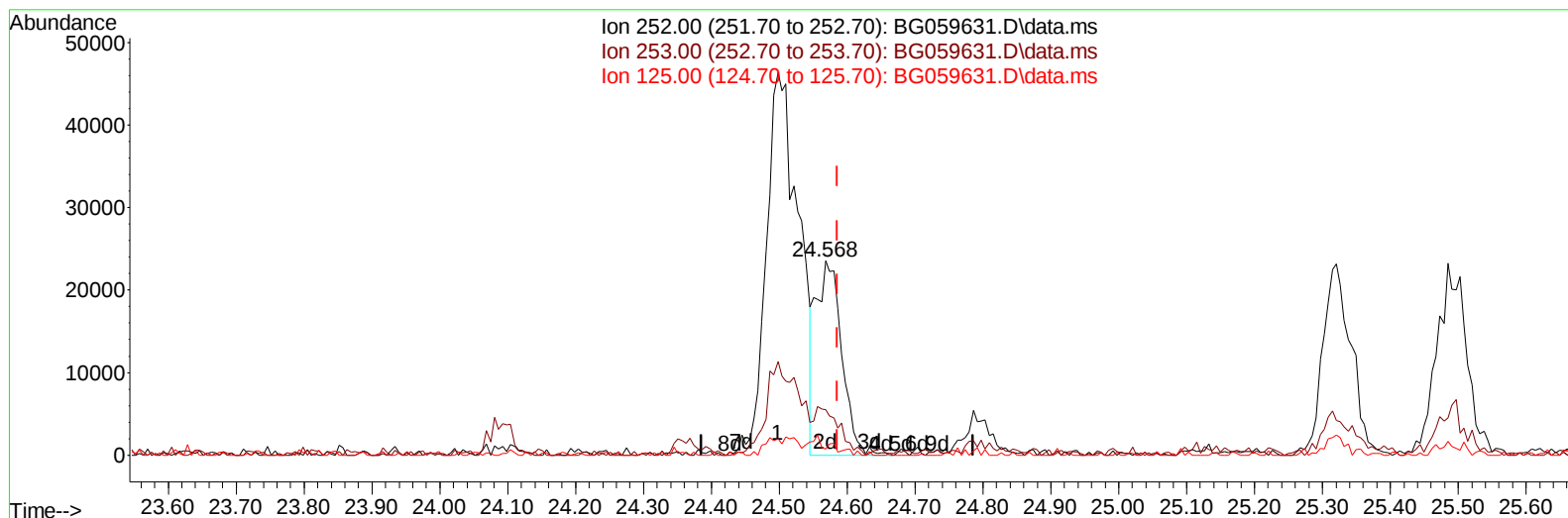
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:51:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(91) Benzo(k)fluoranthene

24.568min (-0.017) 2.33 ng/ul m

response 62538

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.40	23.29
125.00	5.10	3.03#
0.00	0.00	0.00

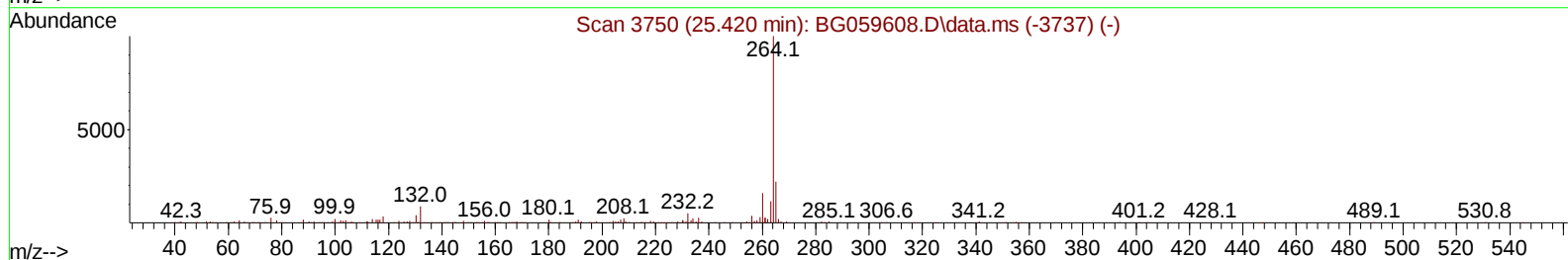
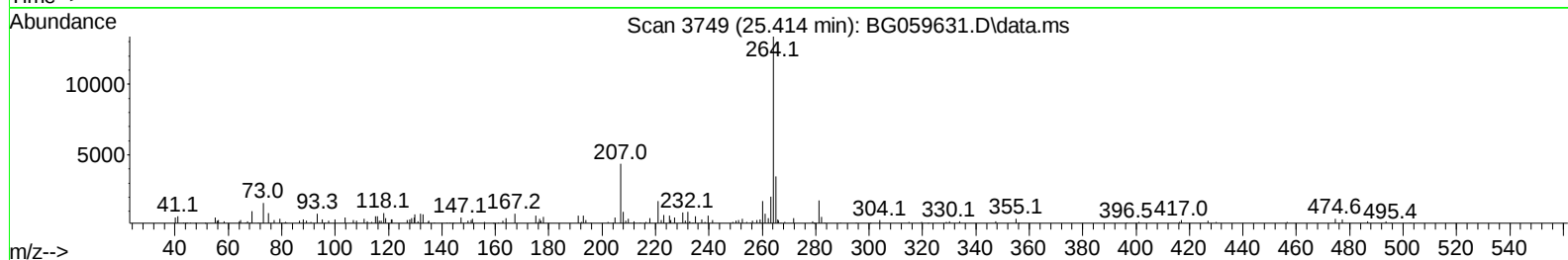
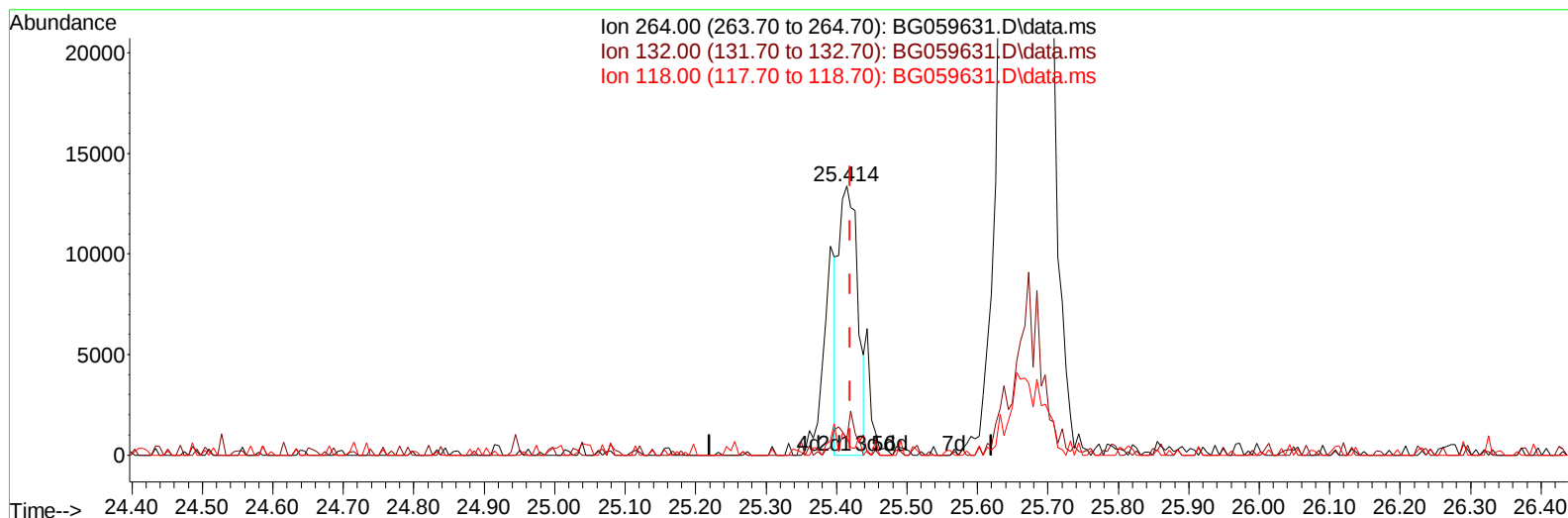
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059631.D
Acq On : 4 Nov 2023 21:22
Operator : MA/JU
Sample : 05060-13DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:51:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.414min (-0.006) 1.11 ng/u1

response 25198

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	8.70	6.08#
118.00	3.40	6.59#
0.00	0.00	0.00

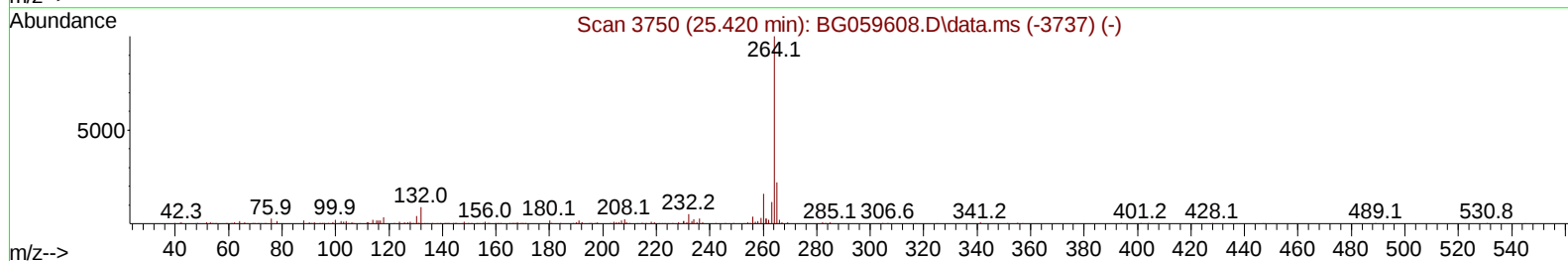
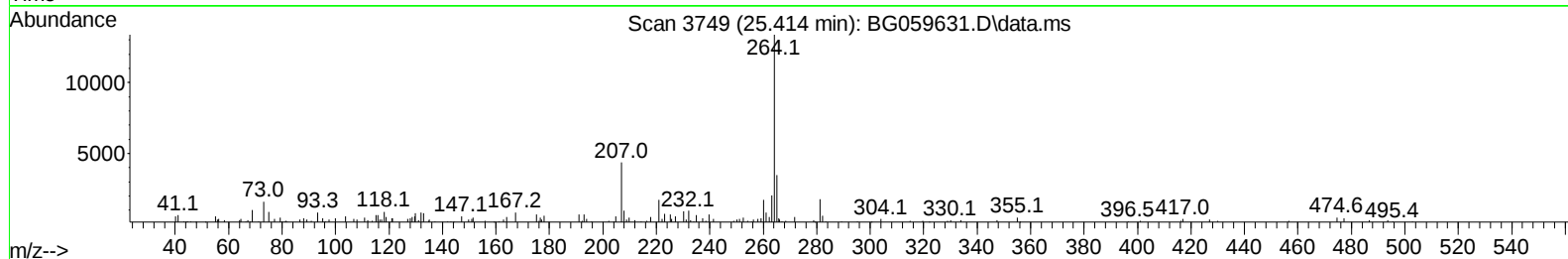
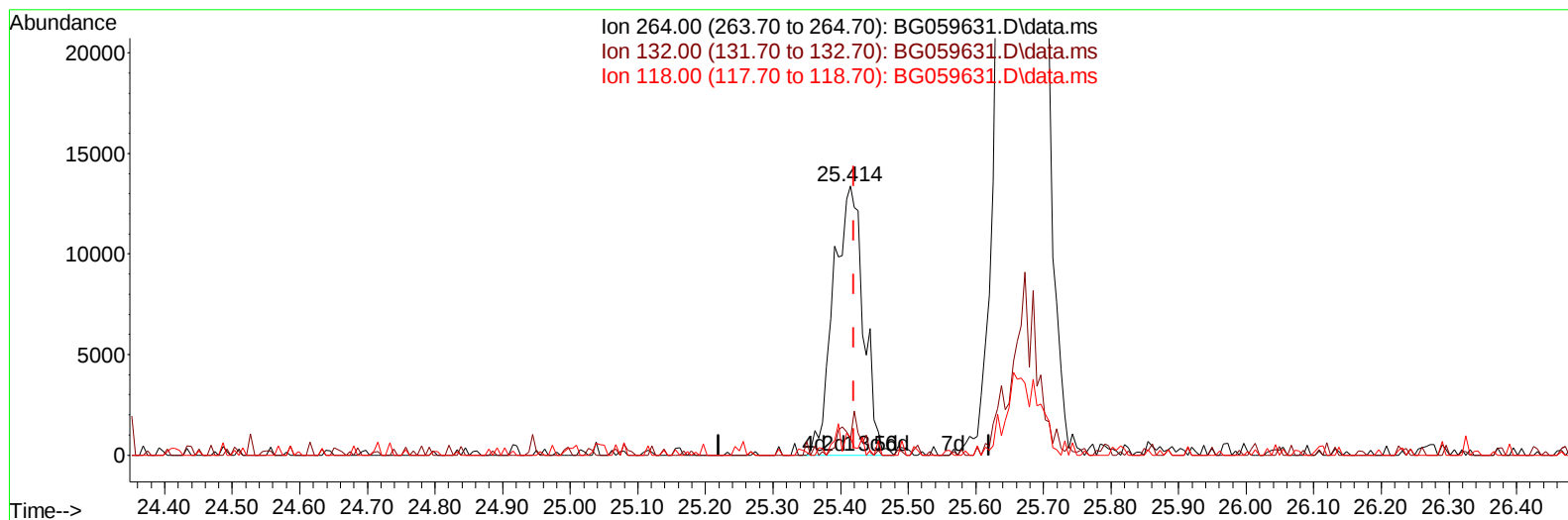
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:51:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.414min (-0.006) 1.82 ng/ul m

response 41172

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	8.70	6.08#
118.00	3.40	6.59#
0.00	0.00	0.00

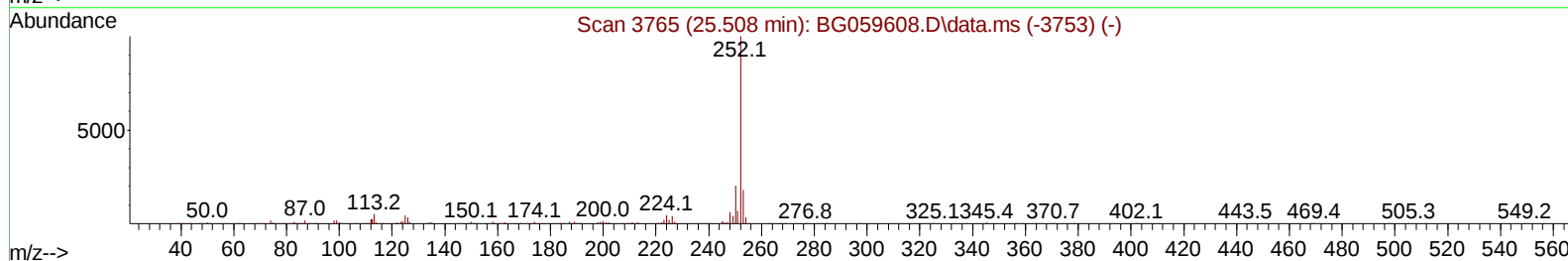
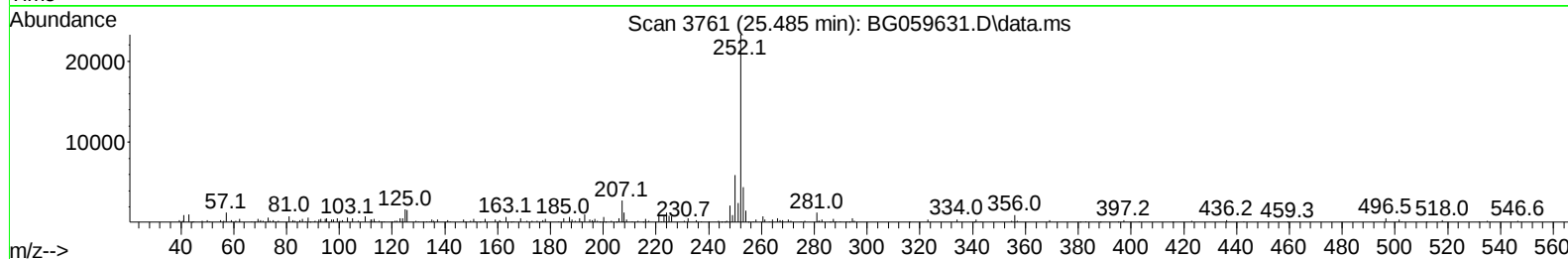
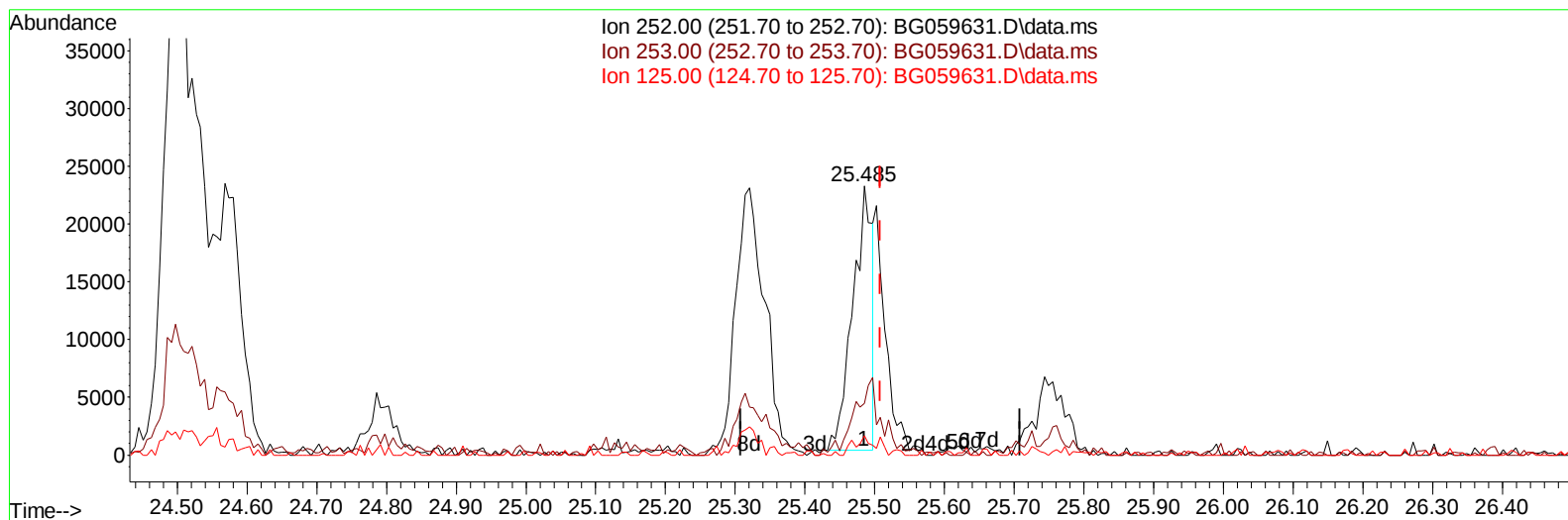
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:51:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(93) Benzo(a)pyrene (C)

25.485min (-0.023) 1.74 ng/u1

response 44319

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	18.60	19.29
125.00	4.80	14.49#
0.00	0.00	0.00

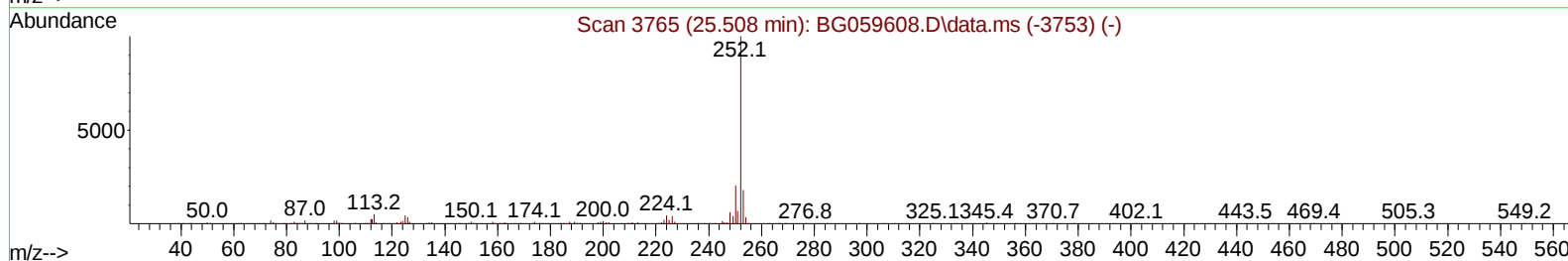
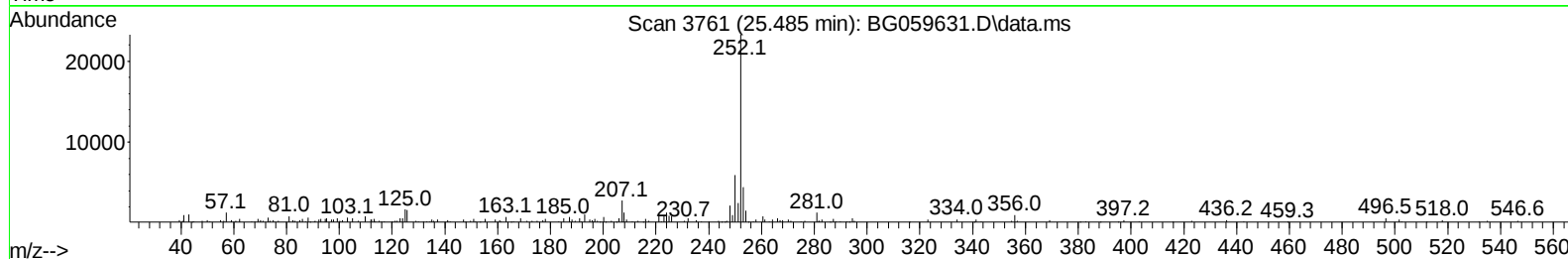
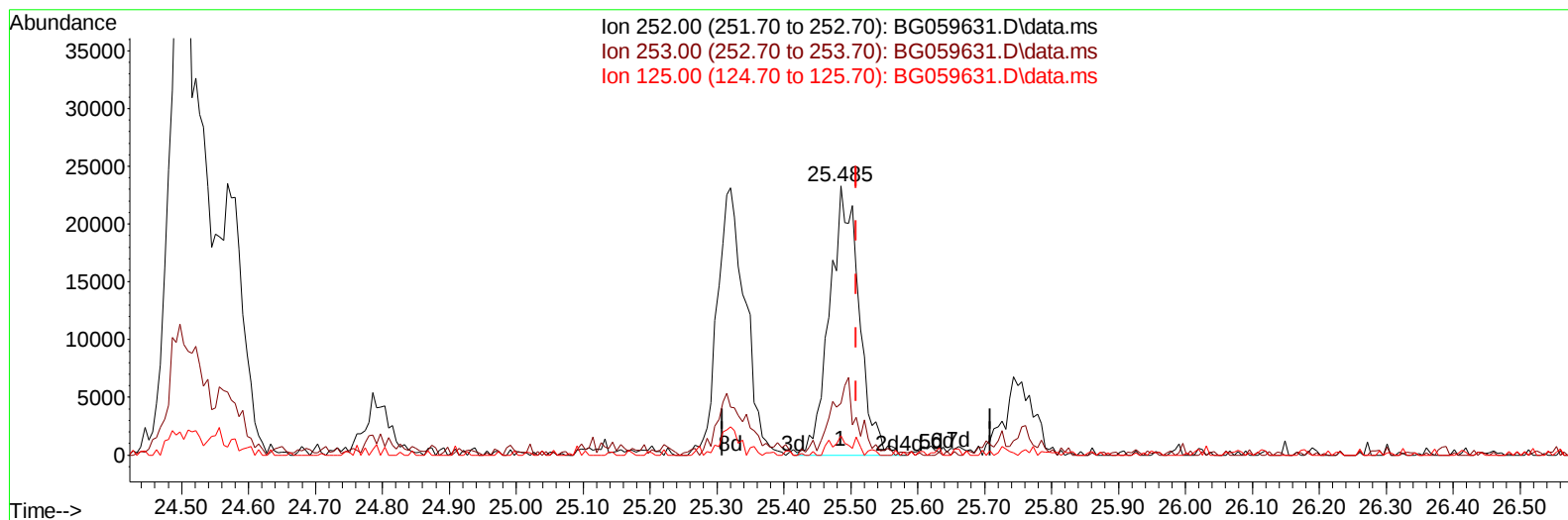
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:51:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

(93) Benzo(a)pyrene (C)

25.485min (-0.023) 2.79 ng/ul m

response 70865

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	18.60	19.29
125.00	4.80	7.29#
0.00	0.00	0.00

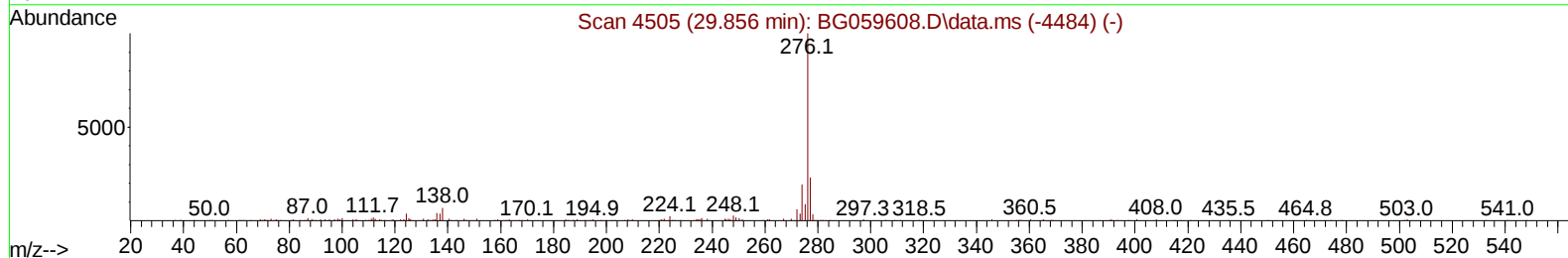
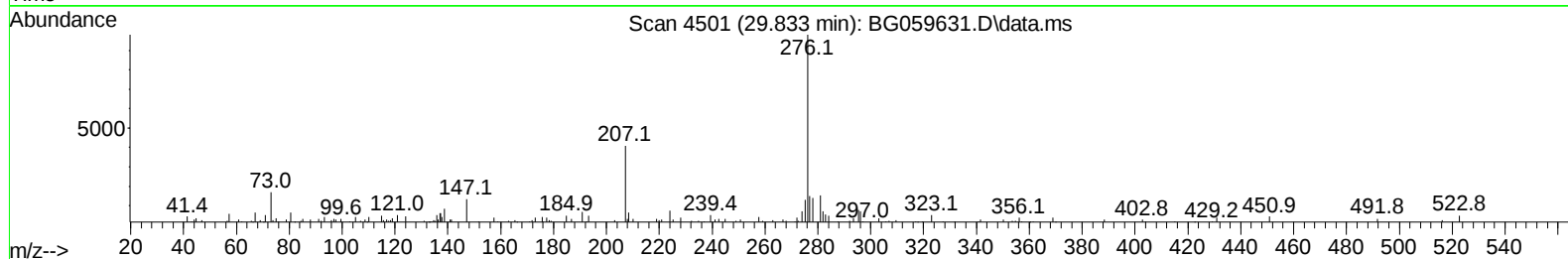
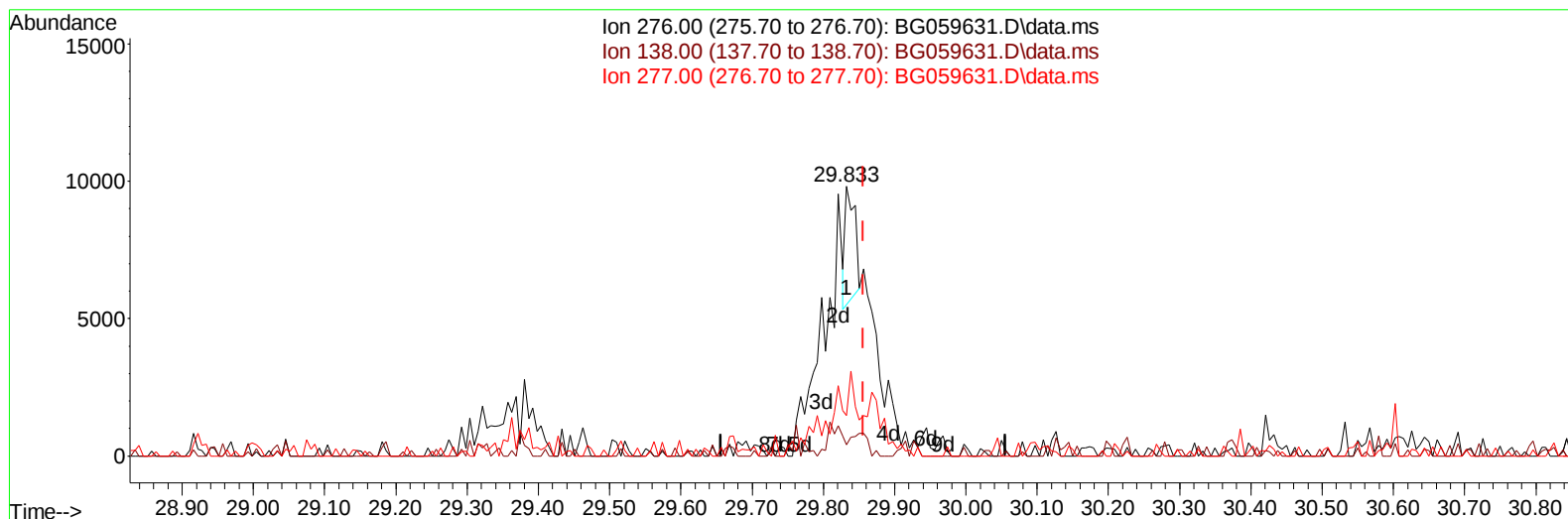
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:52:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

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

29.833min (-0.023) 0.12 ng/u1

response 3909

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.80	4.21#
277.00	23.10	15.08#
0.00	0.00	0.00

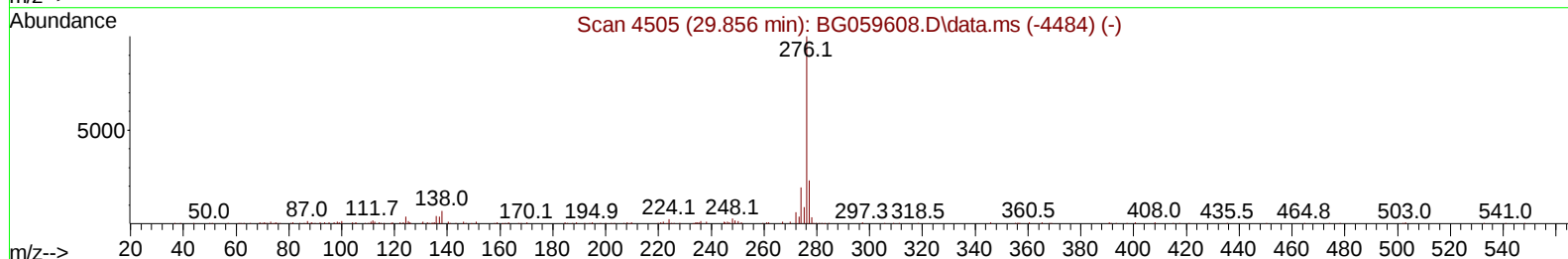
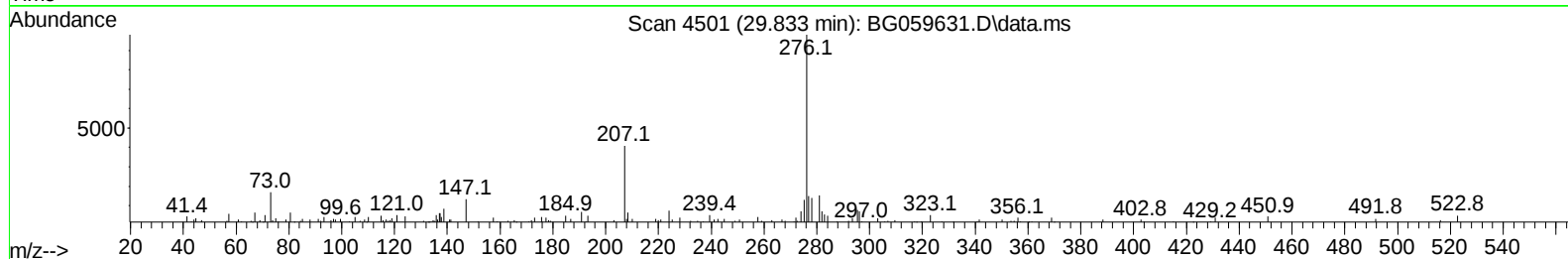
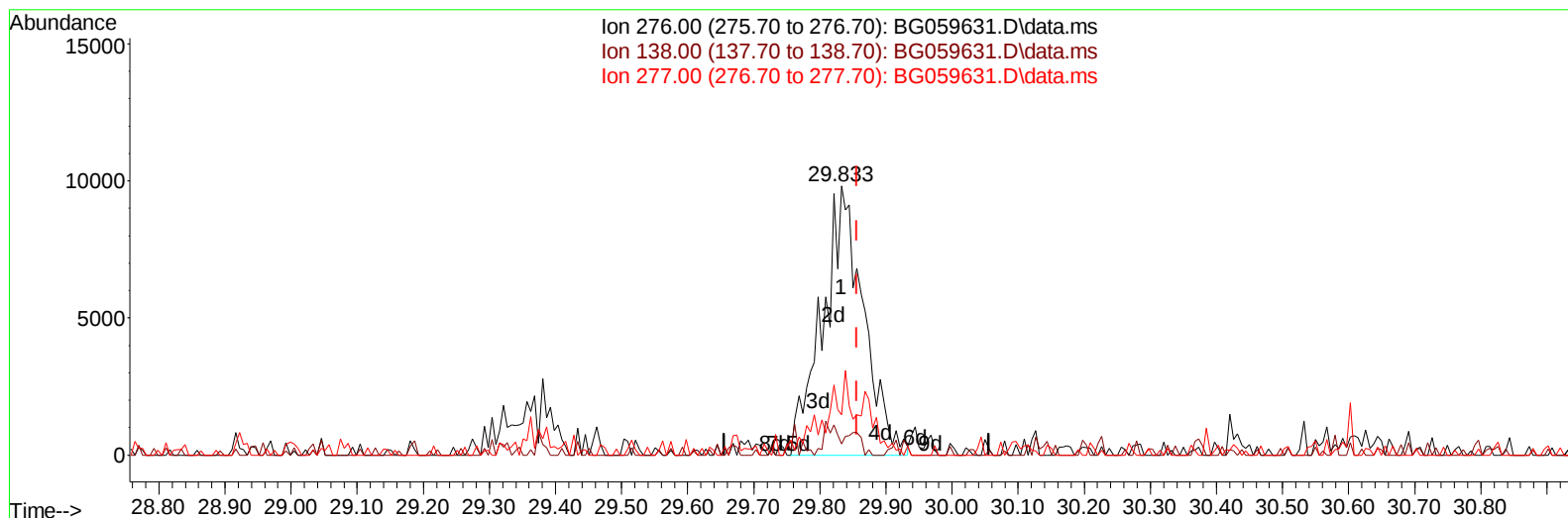
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:52:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
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Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

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

29.833min (-0.023) 1.29 ng/ul m

response 42056

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.80	4.21#
277.00	23.10	15.08#
0.00	0.00	0.00

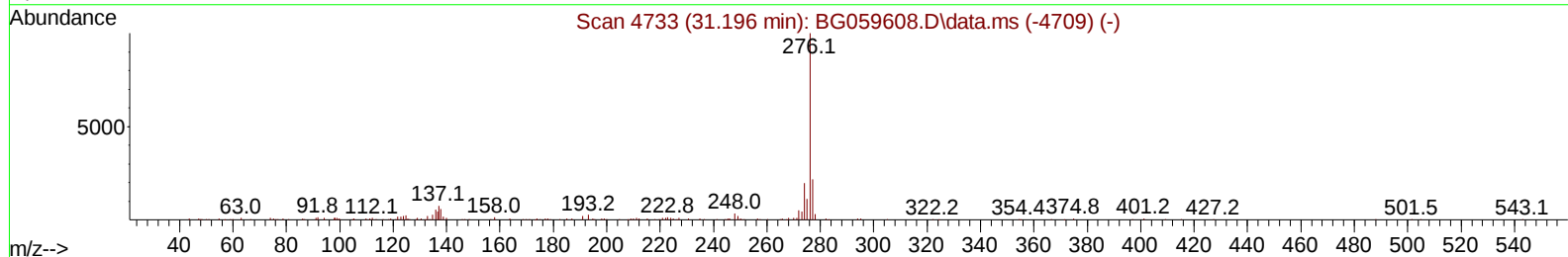
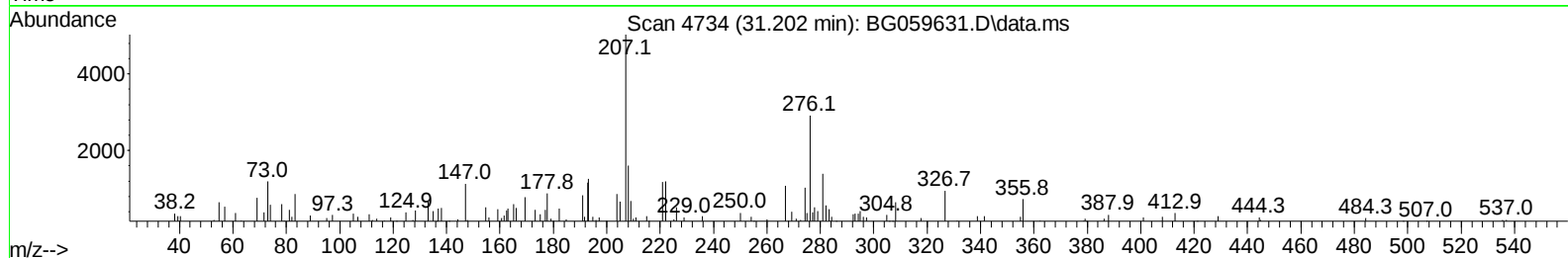
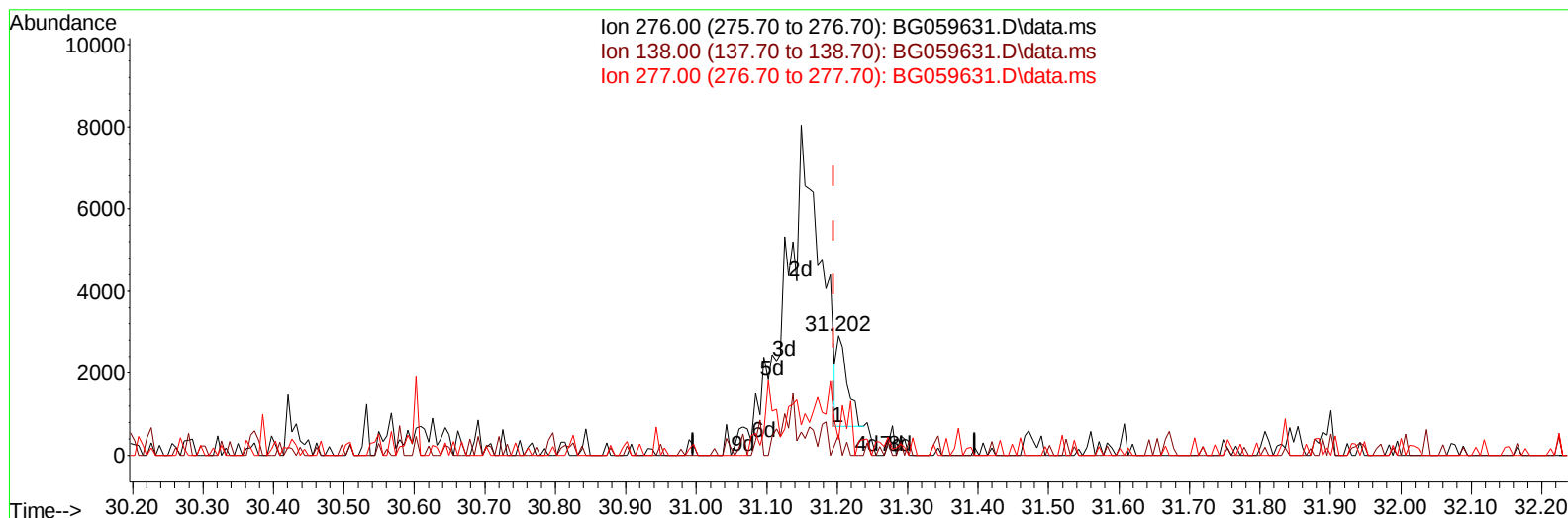
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 00:52:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059631.D\data.ms

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

31.202min (+ 0.006) 0.09 ng/u1

response 2286

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	5.70	17.27#
277.00	21.90	13.32#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059631.D
 Acq On : 4 Nov 2023 21:22
 Operator : MA/JU
 Sample : 05060-13DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 04:09:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 11/06/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.346	152	39499	20.000	ng/ul	# 0.00
20) Naphthalene-d8	11.196	136	261658	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.980	164	174190	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.729	188	401608	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.065	240	343500	20.000	ng/ul	0.00
88) Perylene-d12	25.667	264	386428	20.000	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.465	99	6233	1.543	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.676	67	1974	0.914	ng/ul	0.00
11) 2-Chlorophenol-d4	7.864	132	4343	1.583	ng/ul	0.00
15) 4-Methylphenol-d8	9.039	113	2713	0.821	ng/ul	0.00
21) Nitrobenzene-d5	9.551	128	3448	1.802	ng/ul	0.00
24) 2-Nitrophenol-d4	10.273	143	3713	1.608	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.802	165	6523	1.590	ng/ul	0.00
31) 4-Chloroaniline-d4	11.343	131	4397	0.681	ng/ul	0.00
46) Dimethylphthalate-d6	14.374	166	26622	1.904	ng/ul	0.00
49) Acenaphthylene-d8	14.680	160	28253	1.695	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.961	176	19762	1.502	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.835	188	34005	1.618	ng/ul	0.00
81) Pyrene-d10	20.103	212	40426	1.839	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.414	264	41172m	1.820	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.044	153	18301	1.476	ng/ul	92
61) Fluorene	16.025	166	35722	2.473	ng/ul#	82
72) Phenanthrene	17.776	178	252310	10.725	ng/ul	96
74) Anthracene	17.864	178	157571	6.340	ng/ul	95
80) Fluoranthene	19.768	202	537744	19.951	ng/ul#	93
82) Pyrene	20.132	202	437870	16.143	ng/ul#	94
85) Benzo(a)anthracene	22.042	228	173512	6.443	ng/ul	96
87) Chrysene	22.118	228	176522m	7.220	ng/ul	
90) Benzo(b)fluoranthene	24.498	252	152681m	5.802	ng/ul	
91) Benzo(k)fluoranthene	24.568	252	62538m	2.330	ng/ul	
93) Benzo(a)pyrene	25.485	252	70865m	2.785	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.833	276	42056m	1.293	ng/ul	
96) Benzo(g,h,i)perylene	31.149	276	33720m	1.320	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059631.D
Acq On : 4 Nov 2023 21:22
Operator : MA/JU
Sample : 05060-13DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DCKH1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 06 04:09:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

