

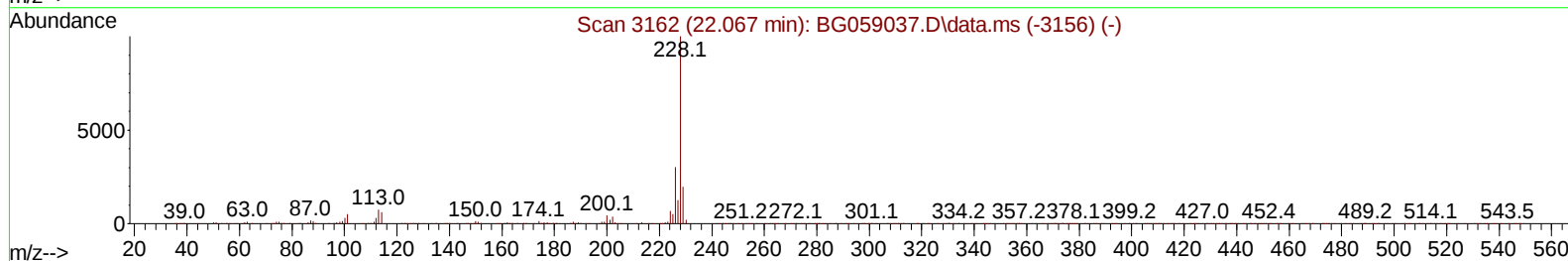
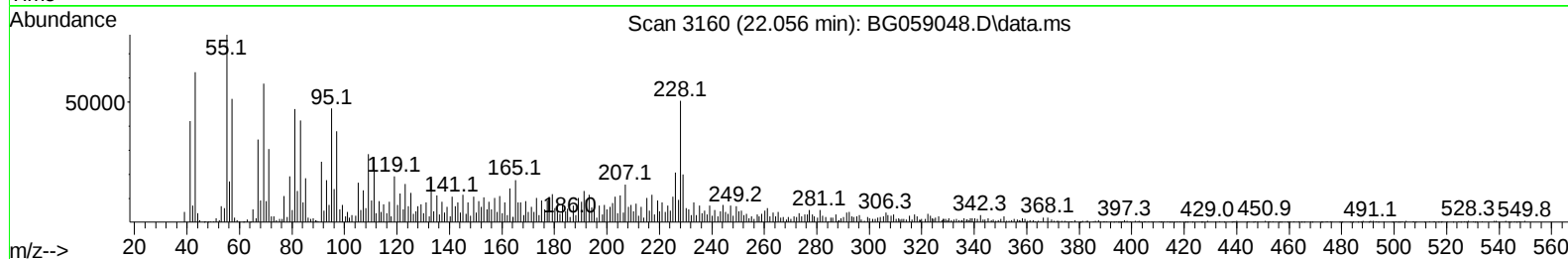
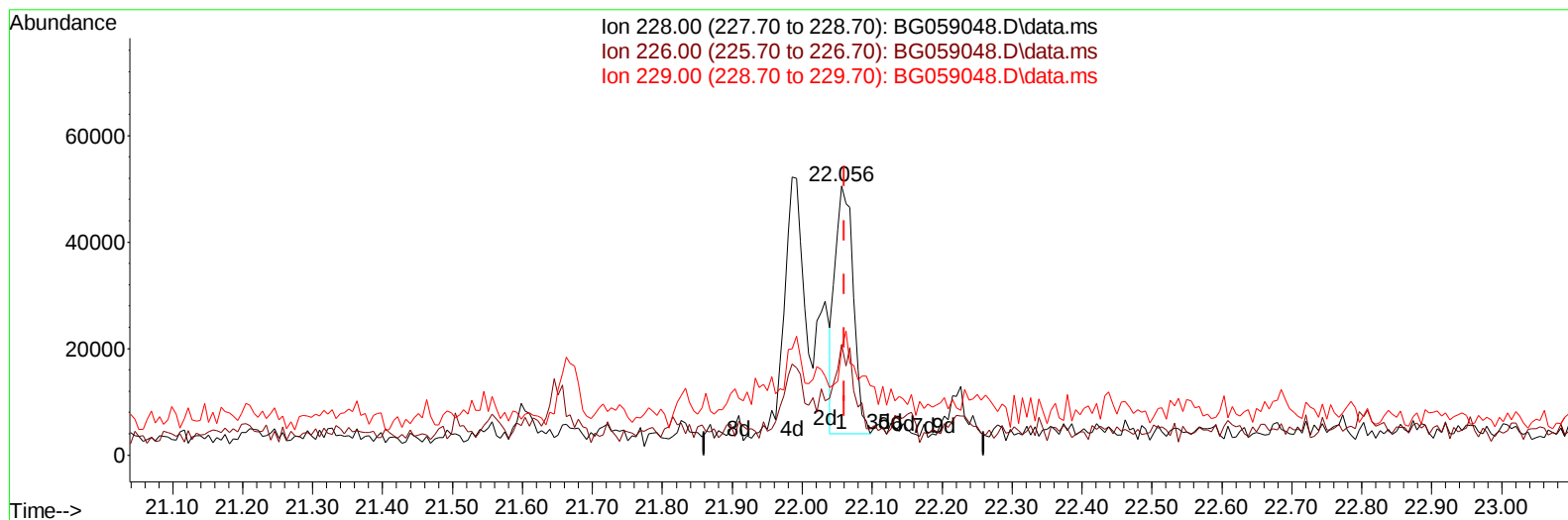
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059048.D
 Acq On : 13 Sep 2023 20:06
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:49:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

(87) Chrysene

22.056min (-0.004) 1.96 ng/u1

response 85521

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.00	41.04#
229.00	19.10	39.36#
0.00	0.00	0.00

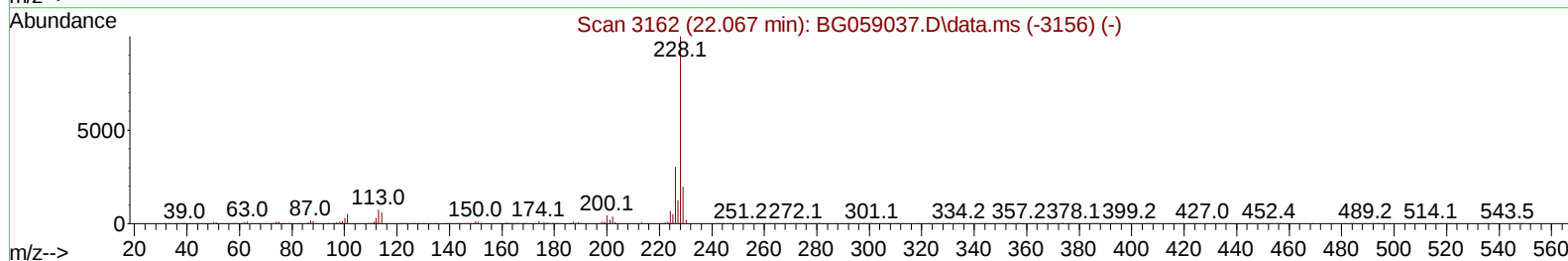
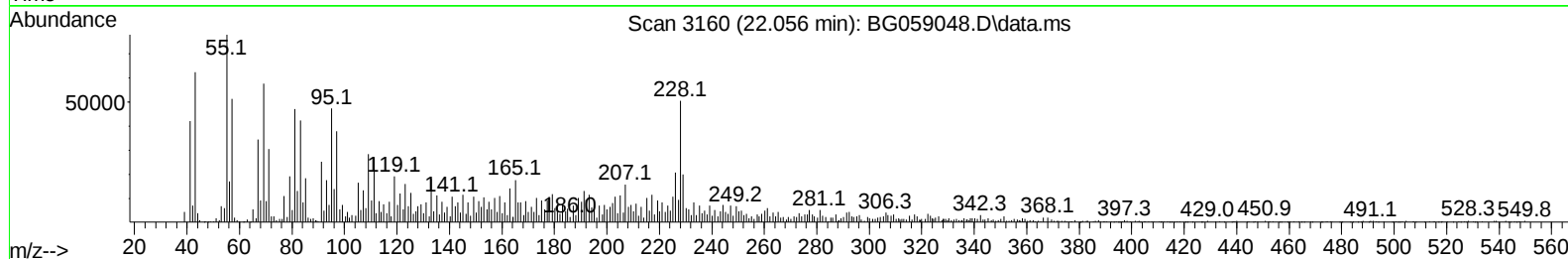
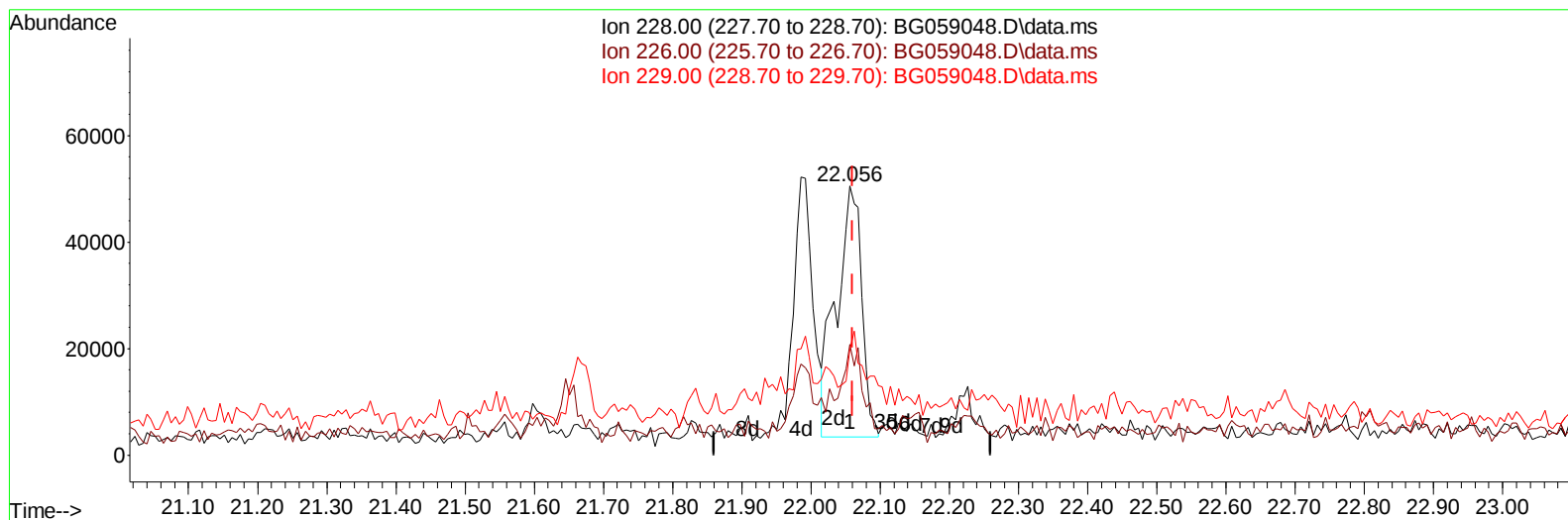
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059048.D
 Acq On : 13 Sep 2023 20:06
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:49:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

(87) Chrysene

22.056min (-0.004) 2.74 ng/ul m

response 119759

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.00	41.04#
229.00	19.10	39.36#
0.00	0.00	0.00

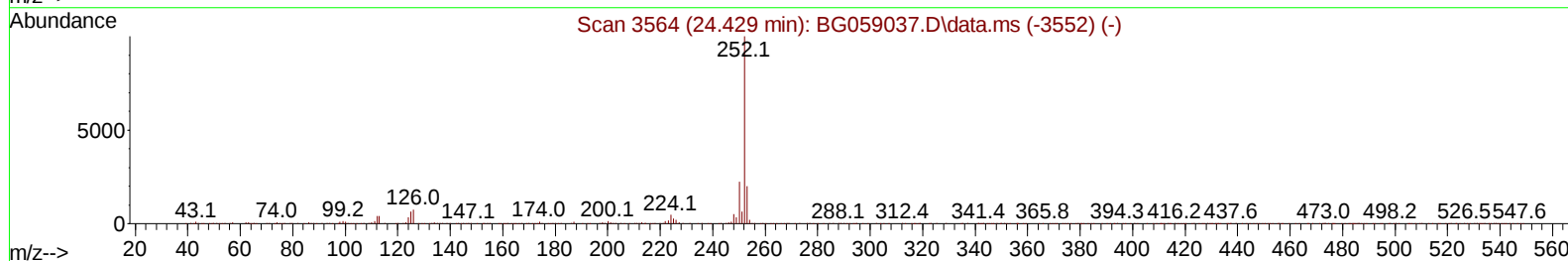
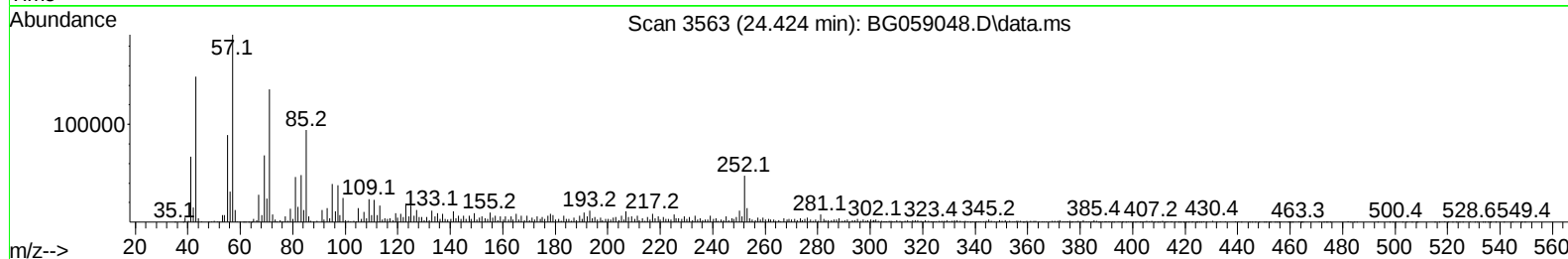
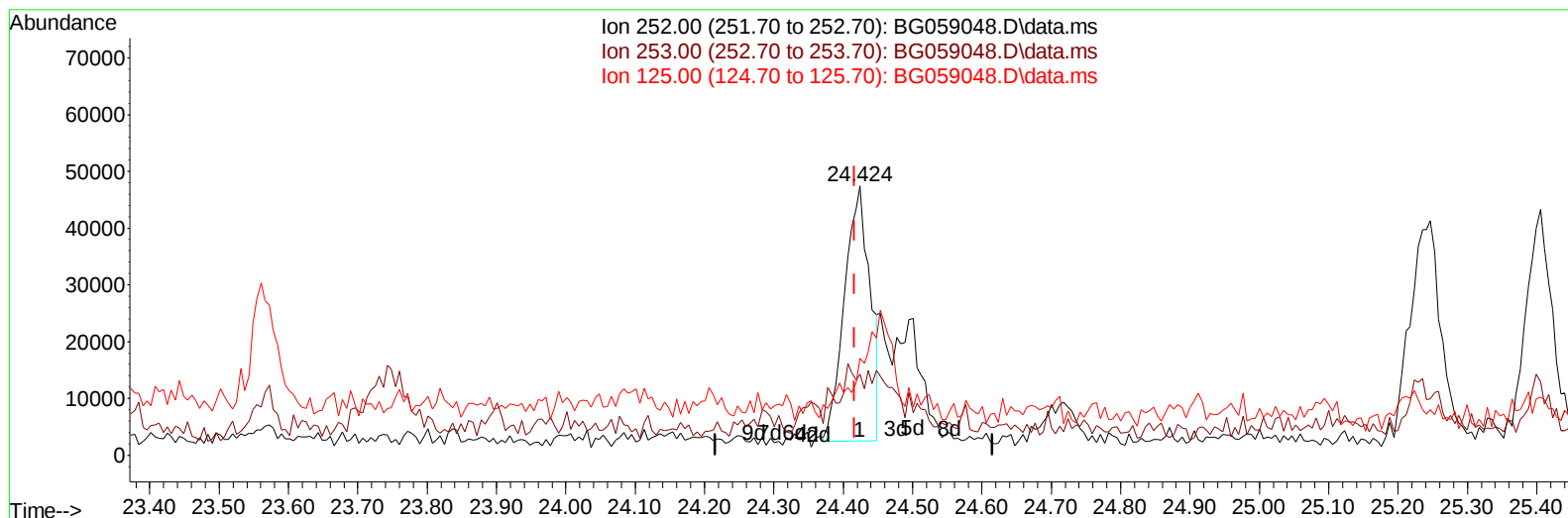
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059048.D
 Acq On : 13 Sep 2023 20:06
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:49:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

(90) Benzo(b)fluoranthene

24.424min (+ 0.008) 2.41 ng/u1

response 114866

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	30.17#
125.00	7.70	36.06#
0.00	0.00	0.00

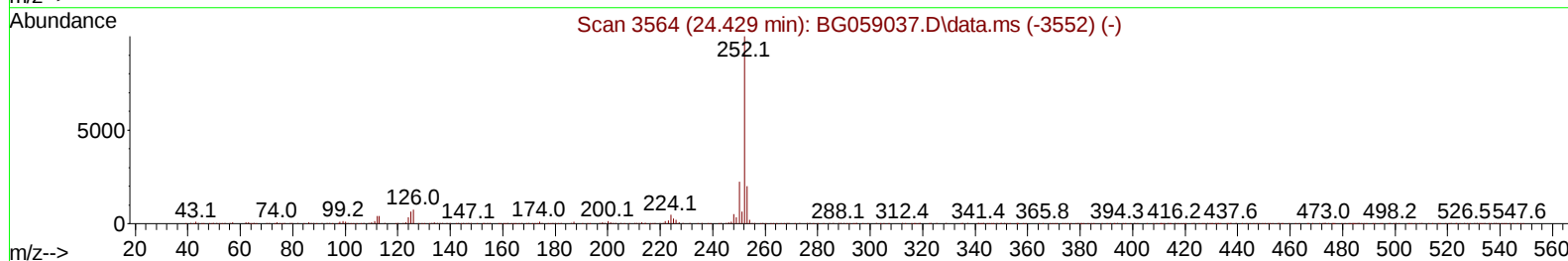
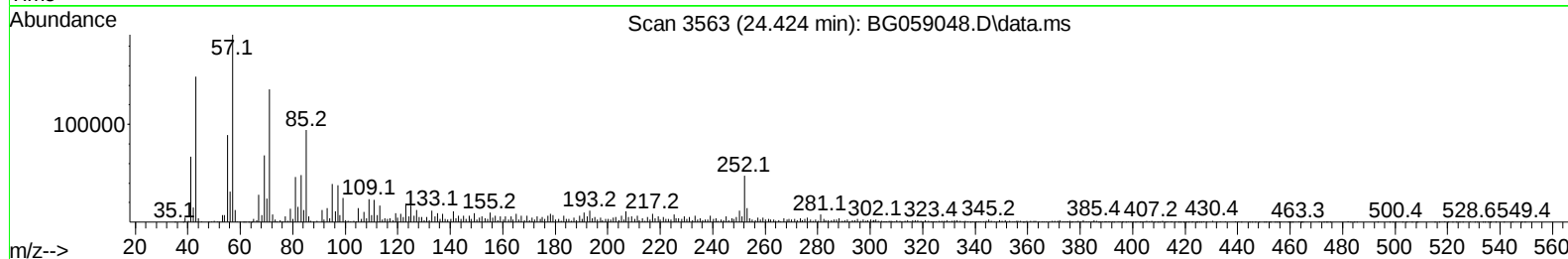
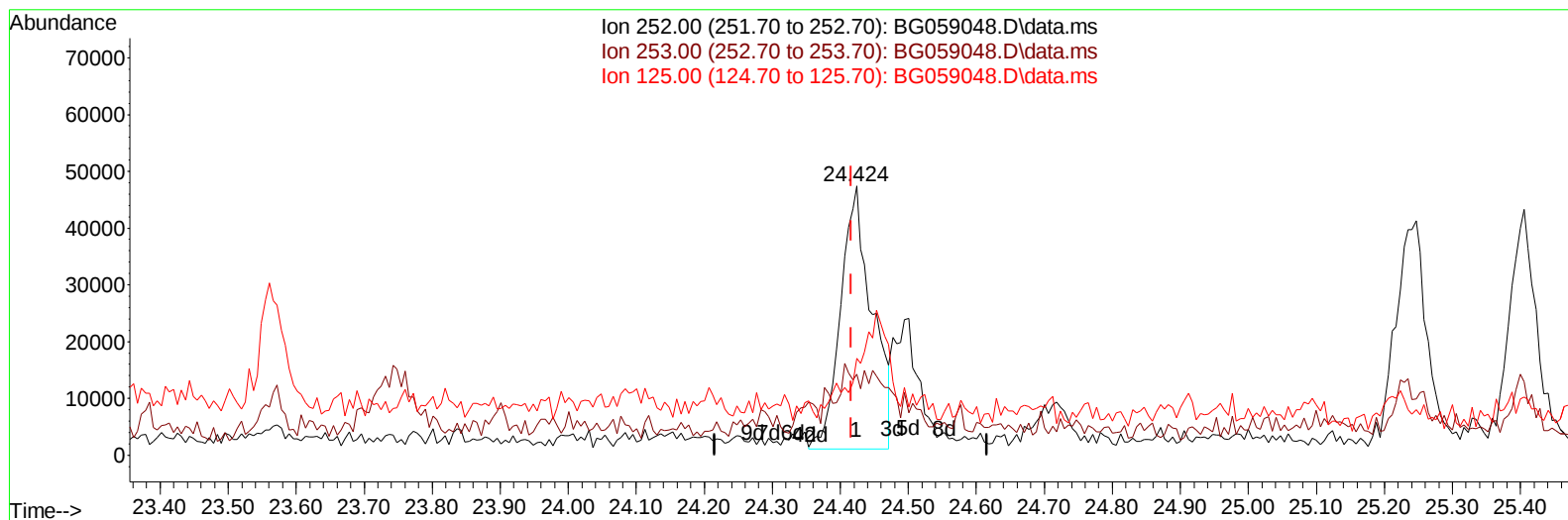
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:49:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

(90) Benzo(b)fluoranthene

24.424min (+ 0.008) 3.14 ng/u1 m

response 149614

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	30.17#
125.00	7.70	36.06#
0.00	0.00	0.00

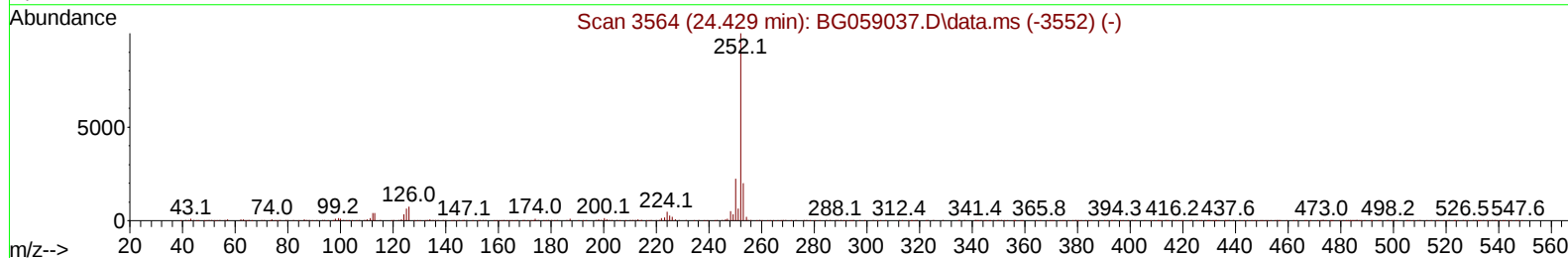
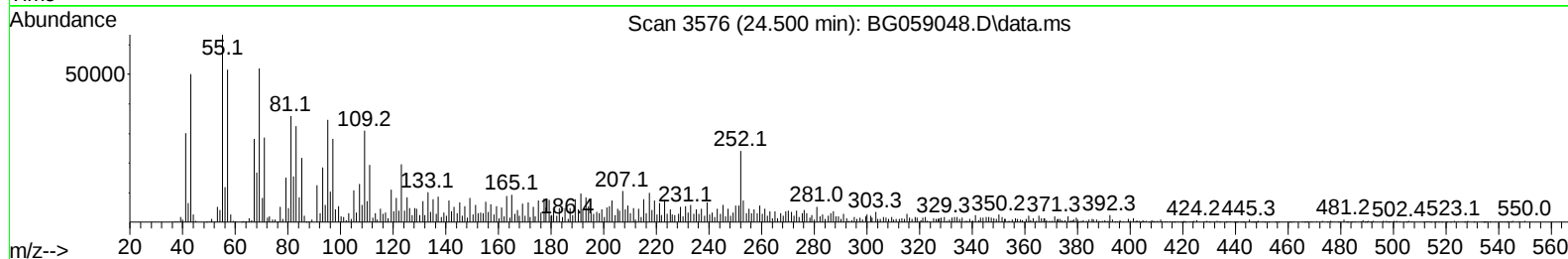
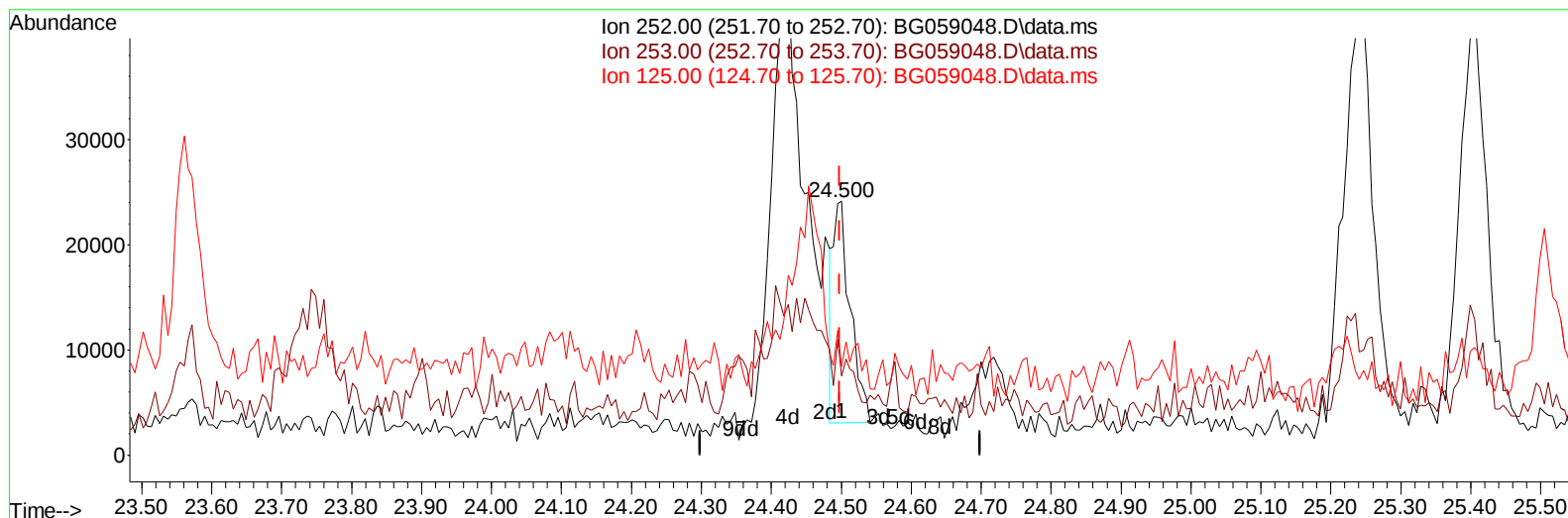
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 01:50:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration



TIC: BG059048.D\data.ms

(91) Benzo(k)fluoranthene

24.500min (+ 0.002) 0.74 ng/u1

response 35922

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	30.99#
125.00	6.20	34.91#
0.00	0.00	0.00

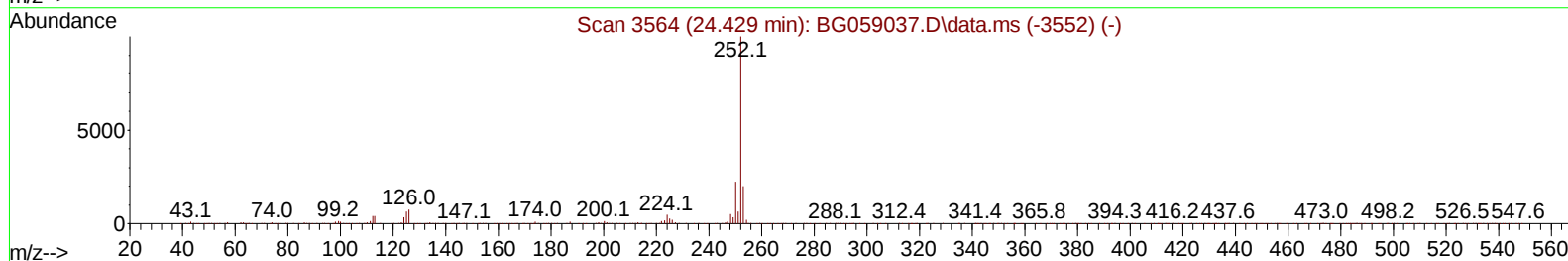
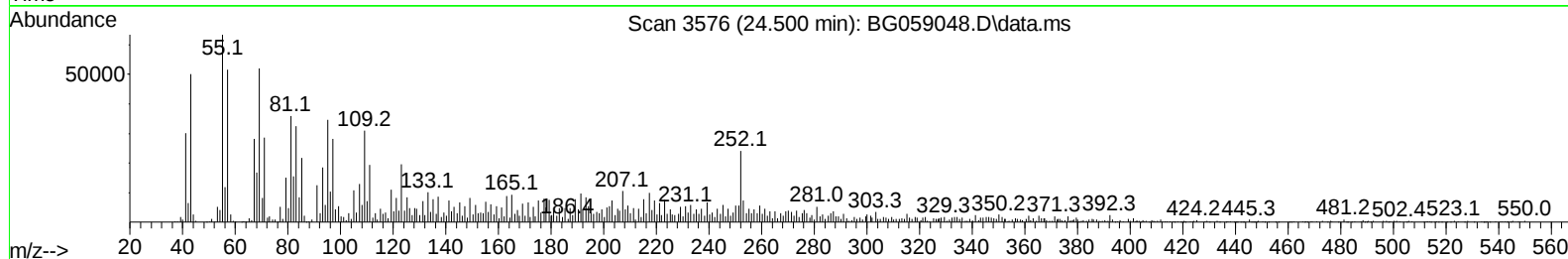
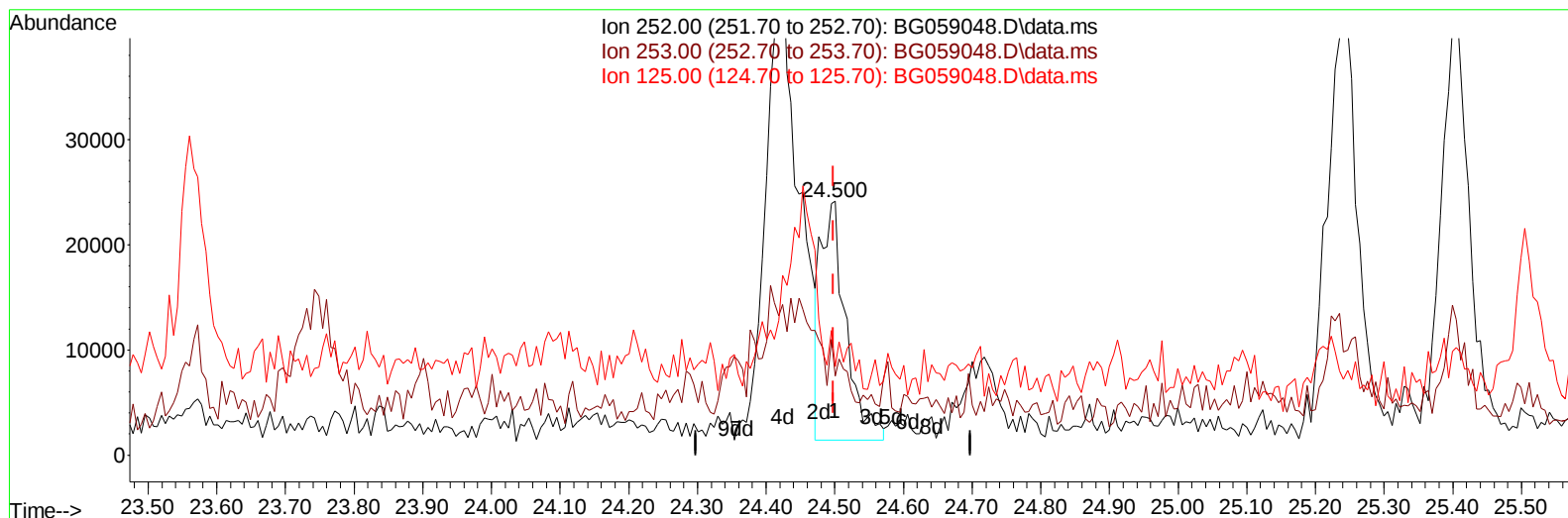
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 01:50:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration



TIC: BG059048.D\data.ms

(91) Benzo(k)fluoranthene

24.500min (+ 0.002) 1.20 ng/u1 m

response 58298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	30.99#
125.00	6.20	34.91#
0.00	0.00	0.00

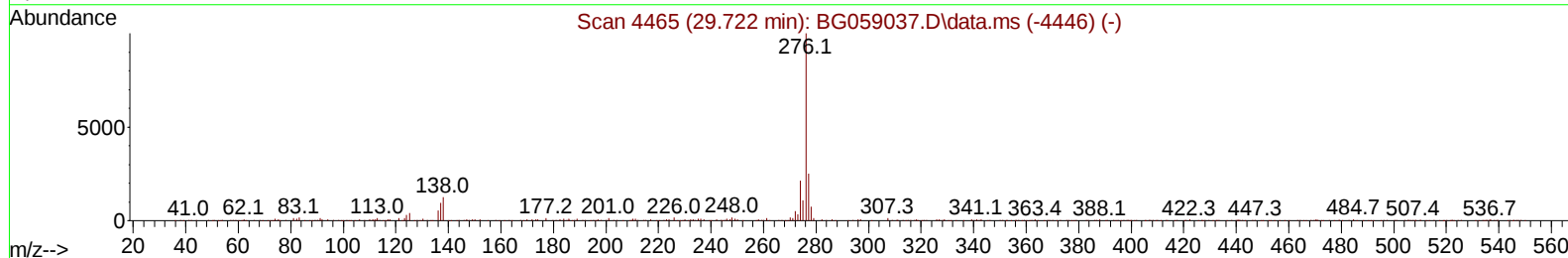
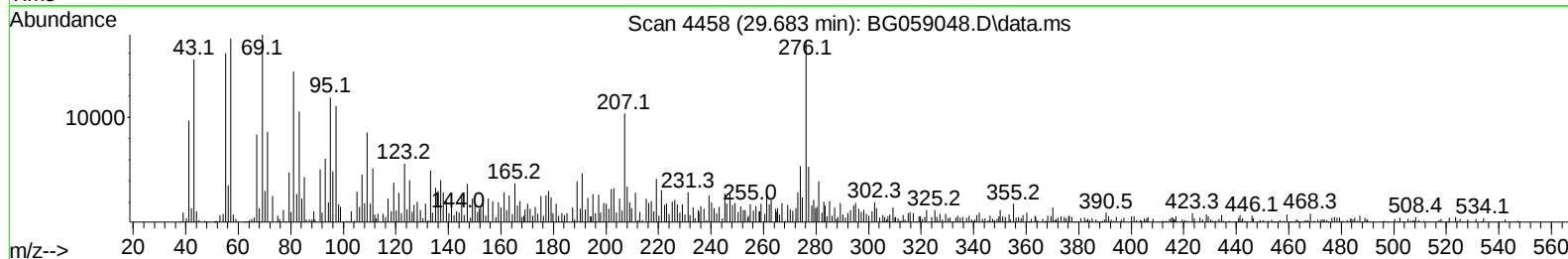
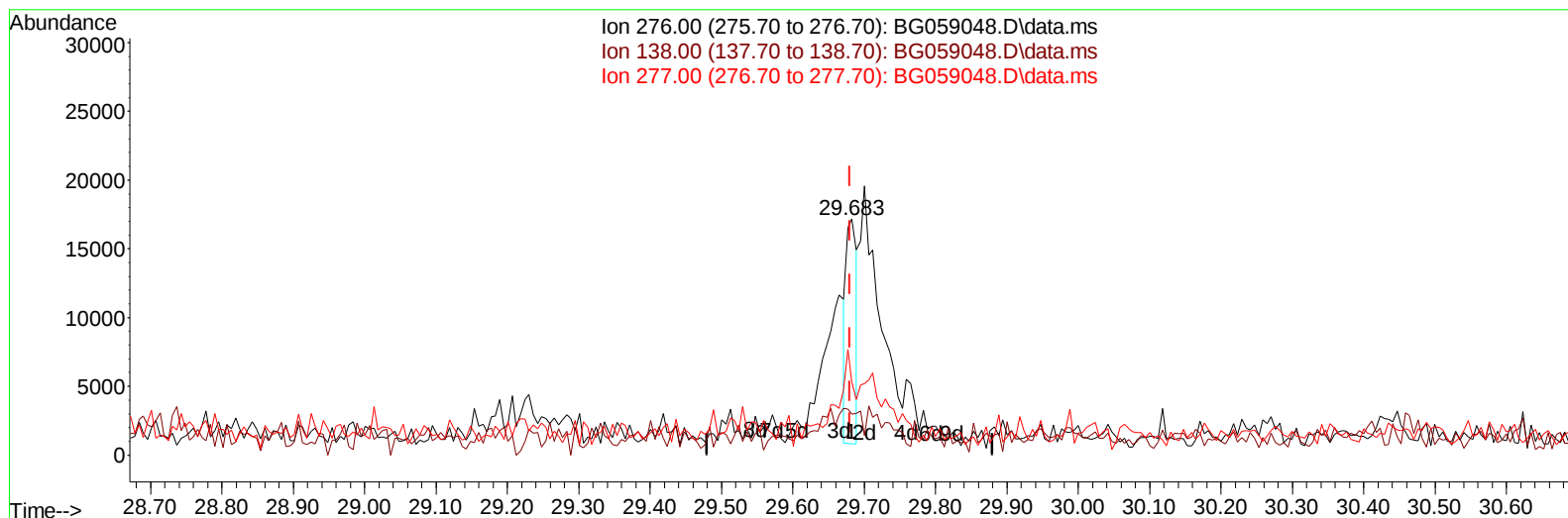
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:51:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

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

29.683min (+ 0.002) 0.29 ng/u1

response 16251

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	17.29
277.00	25.90	31.02
0.00	0.00	0.00

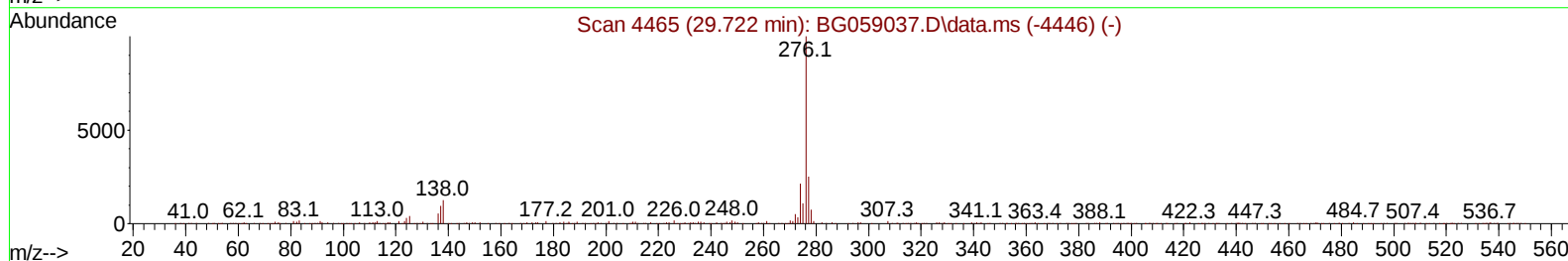
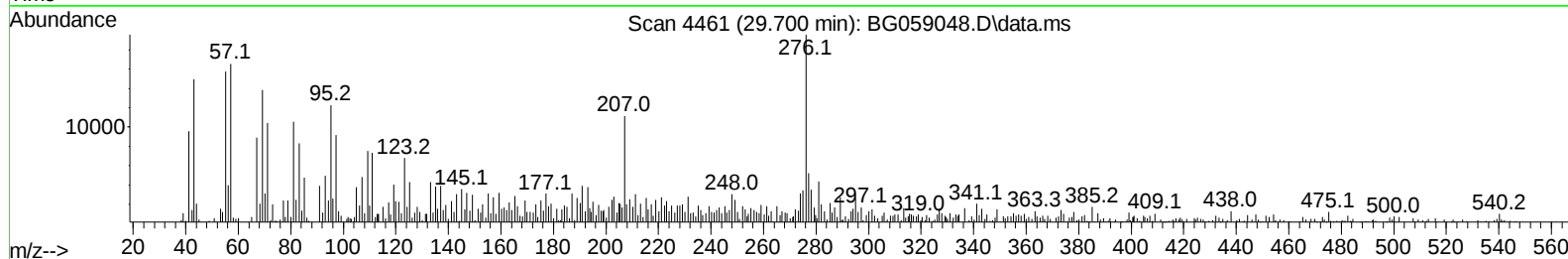
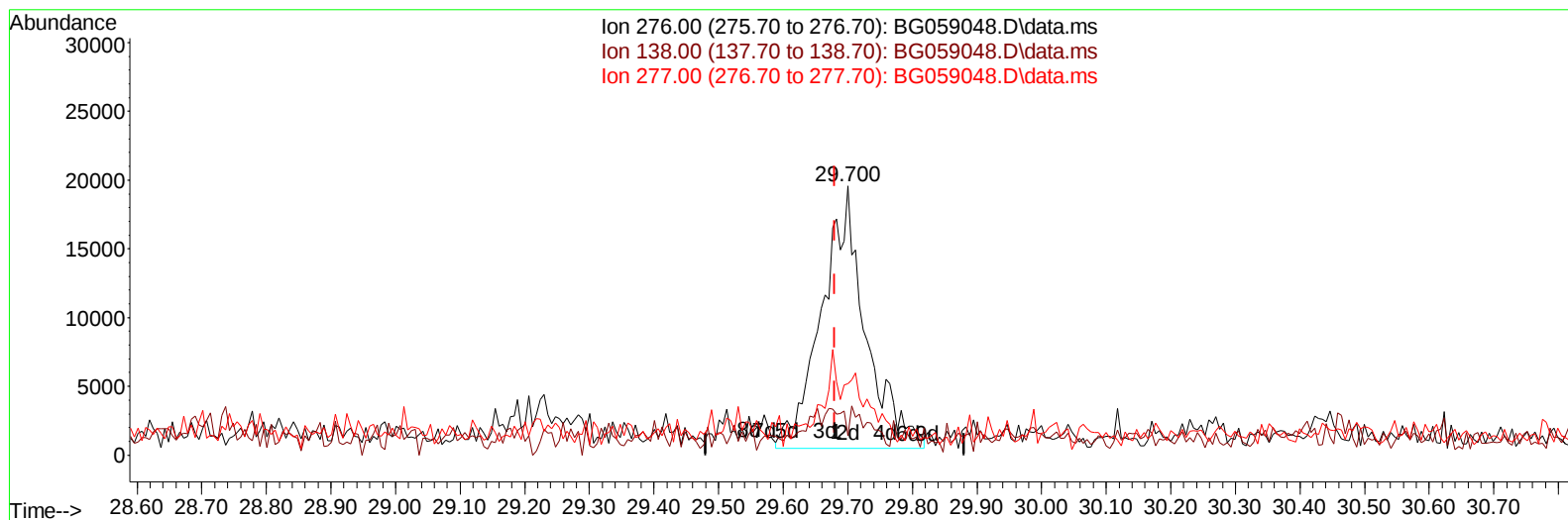
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:51:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

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

29.700min (+ 0.020) 1.59 ng/ul m

response 89674

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	7.11#
277.00	25.90	26.54
0.00	0.00	0.00

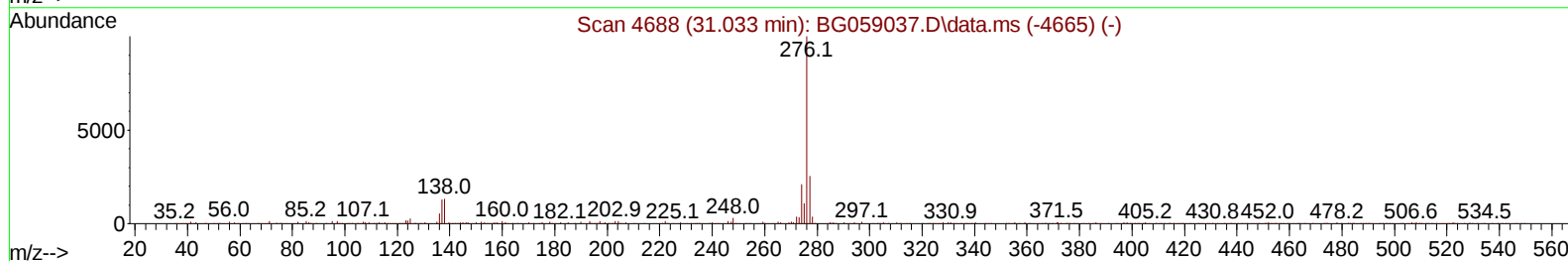
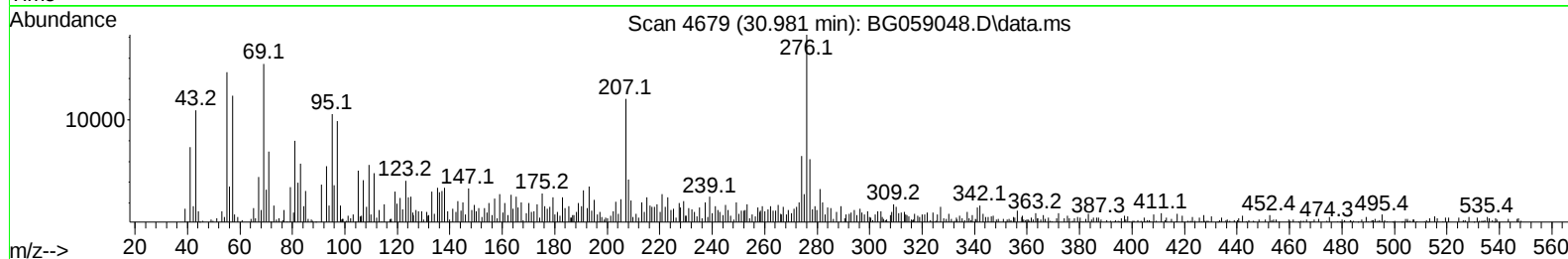
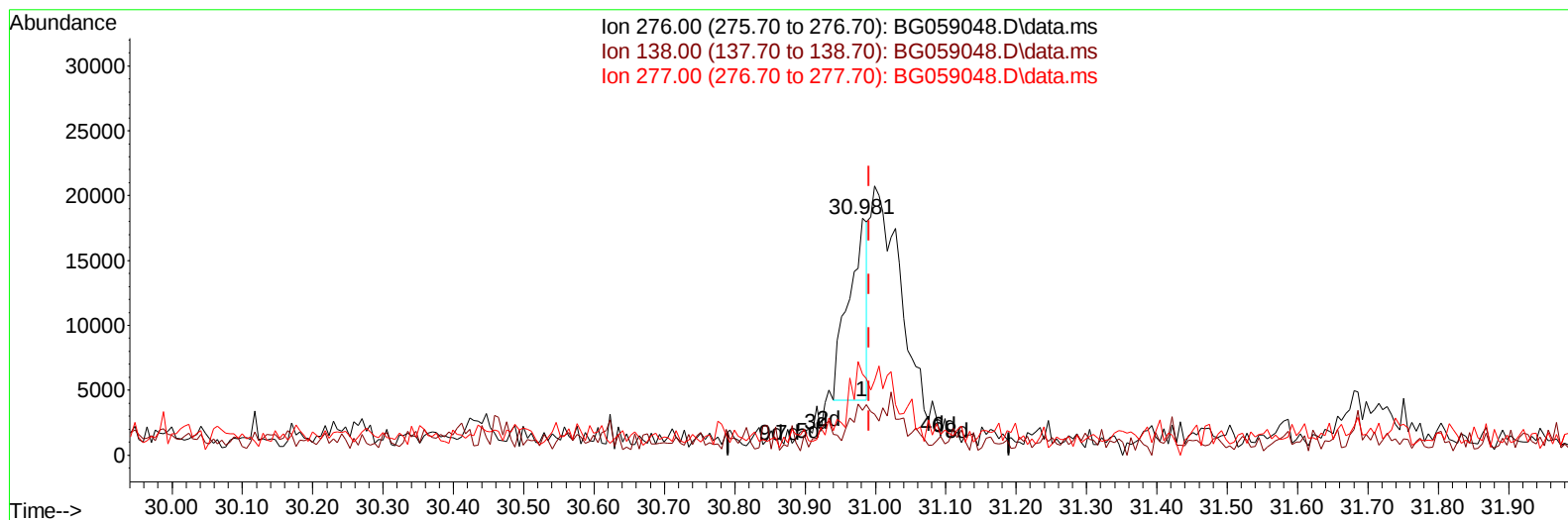
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:51:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

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

30.981min (-0.010) 0.58 ng/u1

response 25968

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	19.05#
277.00	21.80	34.24#
0.00	0.00	0.00

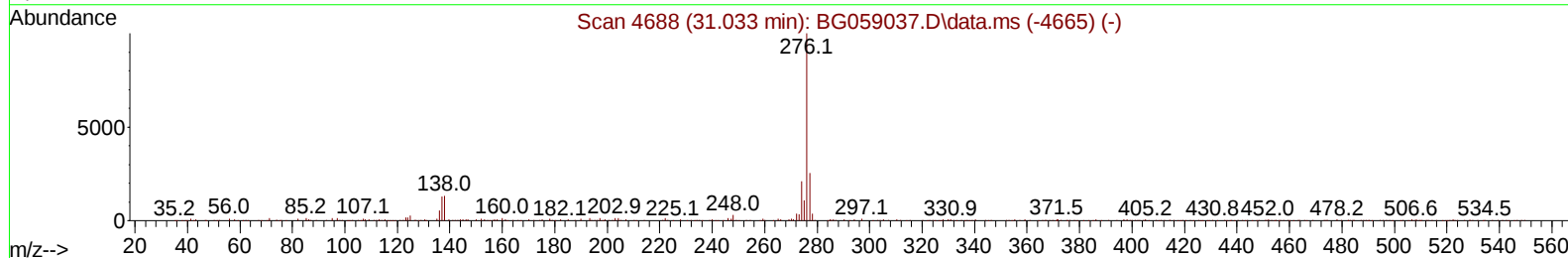
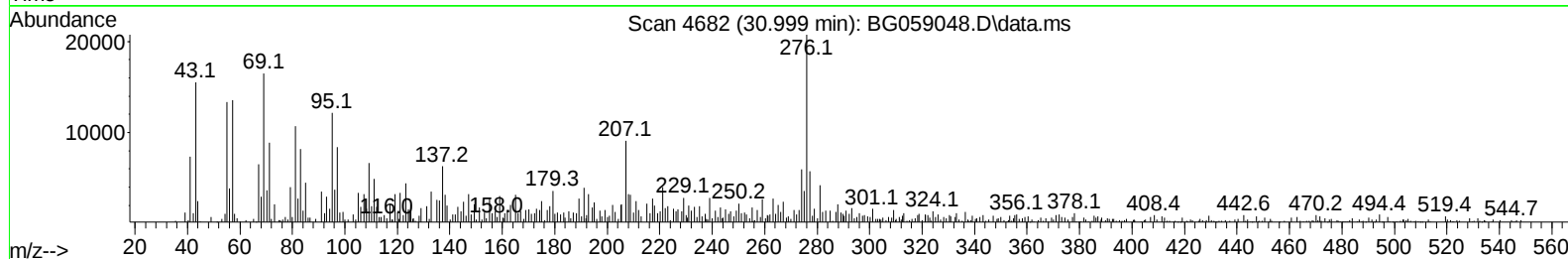
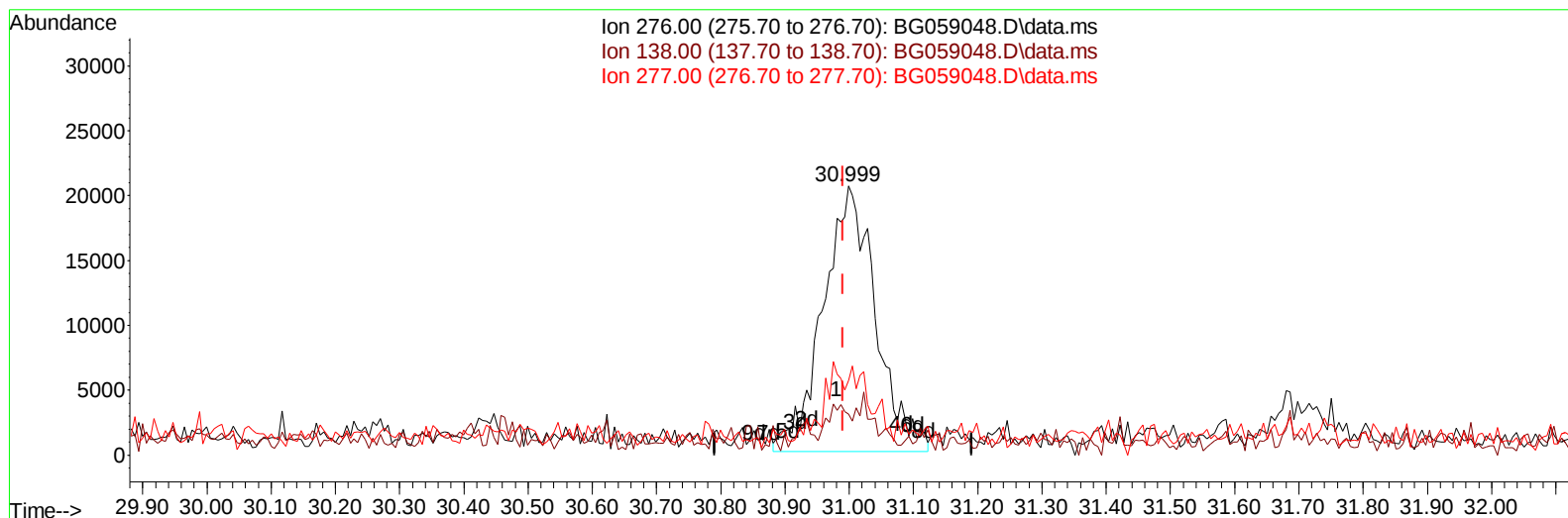
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059048.D
 Acq On : 13 Sep 2023 20:06
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD4

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:51:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059048.D\data.ms

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

30.999min (+ 0.008) 2.61 ng/ul m

response 116272

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	15.21
277.00	21.80	27.66#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059048.D
 Acq On : 13 Sep 2023 20:06
 Operator : MA/JU
 Sample : 04175-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 01:52:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.308	152	100463	20.000	ng/ul	0.00
20) Naphthalene-d8	11.146	136	474547	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.929	164	336121	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.685	188	801983	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.009	240	700741	20.000	ng/ul	0.00
88) Perylene-d12	25.576	264	801049	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.613	96	14713	6.225	ng/uL	-0.02
4) Pyridine-d5	4.042	84	192330	25.702	ng/ul	-0.02
7) Phenol-d5	7.415	99	363842	35.915	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.620	67	226951	38.204	ng/ul	0.00
11) 2-Chlorophenol-d4	7.814	132	251492	38.706	ng/ul	0.00
15) 4-Methylphenol-d8	8.983	113	184794	23.610	ng/ul	0.00
21) Nitrobenzene-d5	9.500	128	140563	40.836	ng/ul	0.00
24) 2-Nitrophenol-d4	10.217	143	179550	47.538	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.740	165	291666	36.335	ng/ul	0.00
31) 4-Chloroaniline-d4	11.287	131	180969	16.764	ng/ul	0.00
46) Dimethylphthalate-d6	14.324	166	1049594	40.257	ng/ul	0.00
49) Acenaphthylene-d8	14.636	160	1185070	40.817	ng/ul	0.00
54) 4-Nitrophenol-d4	15.106	143	108327	25.013	ng/ul	0.00
60) Fluorene-d10	15.922	176	993195	42.925	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.022	200	134914	34.271	ng/ul	0.00
73) Anthracene-d10	17.785	188	1467060	41.207	ng/ul	0.00
81) Pyrene-d10	20.059	212	1657236	44.645	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.329	264	1634218	41.617	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	11.198	128	171194	6.844	ng/ul#	93
36) 2-Methylnaphthalene	12.779	142	66561	3.566	ng/ul	90
37) 1-Methylnaphthalene	12.996	142	46190	2.509	ng/ul#	96
72) Phenanthrene	17.720	178	128781	3.164	ng/ul	97
78) Di-n-butylphthalate	18.602	149	172455	4.491	ng/ul#	96
80) Fluoranthene	19.718	202	186862	4.335	ng/ul	98
82) Pyrene	20.088	202	187501	4.184	ng/ul	97
85) Benzo(a)anthracene	21.986	228	101275	2.155	ng/ul#	75
87) Chrysene	22.056	228	119759m	2.741	ng/ul	
90) Benzo(b)fluoranthene	24.424	252	149614m	3.135	ng/ul	
91) Benzo(k)fluoranthene	24.500	252	58298m	1.195	ng/ul	
93) Benzo(a)pyrene	25.405	252	111720	2.509	ng/ul#	75
94) Indeno(1,2,3-cd)pyrene	29.700	276	89674m	1.594	ng/ul	
96) Benzo(g,h,i)perylene	30.999	276	116272m	2.611	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059048.D
Acq On : 13 Sep 2023 20:06
Operator : MA/JU
Sample : 04175-21
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 01:52:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

