

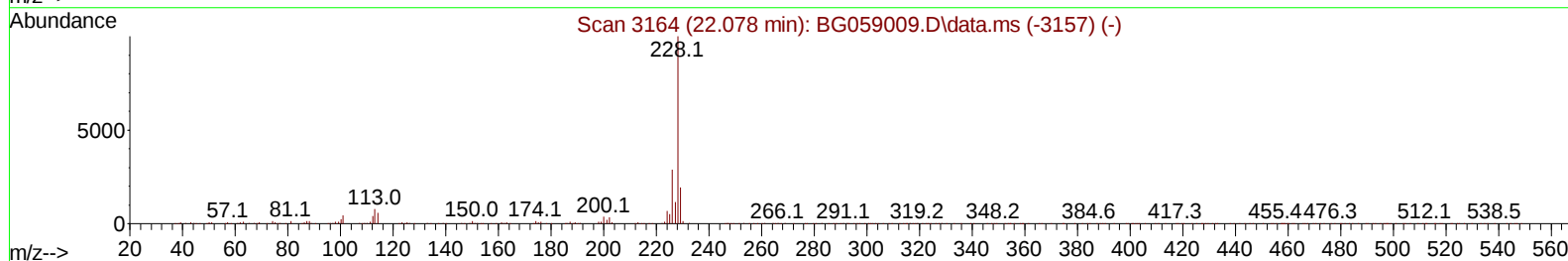
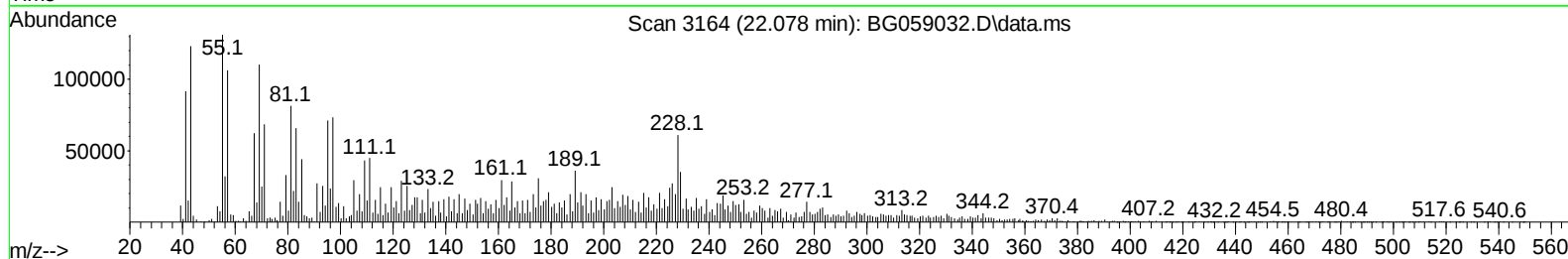
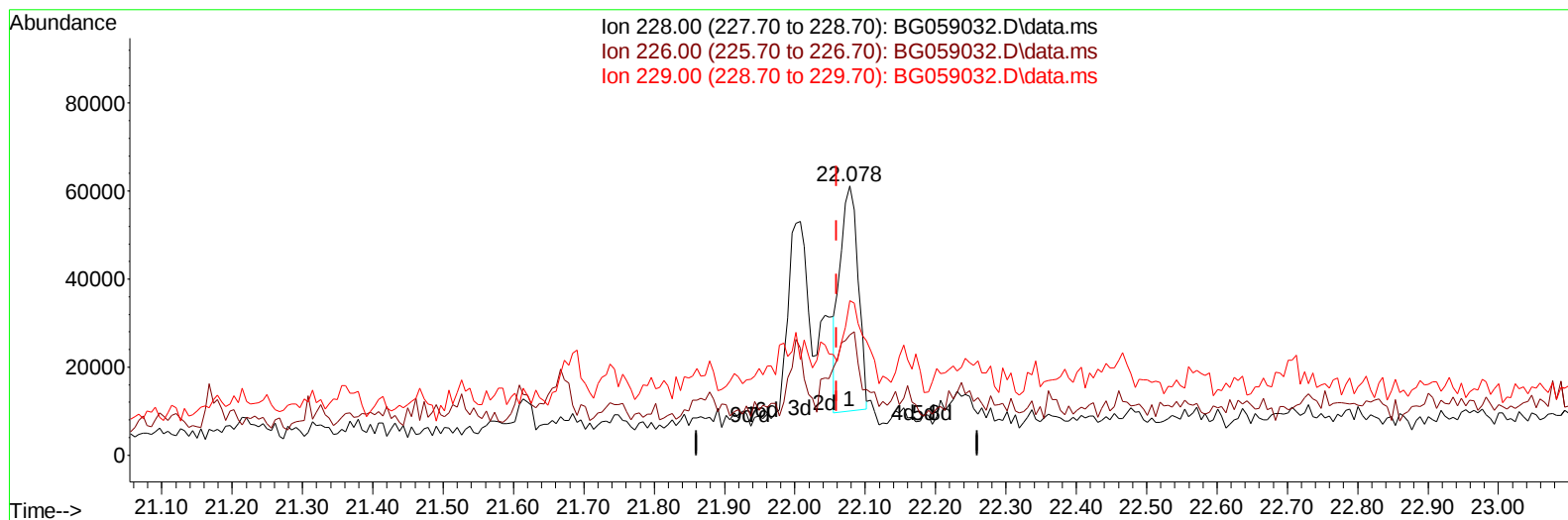
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 06:58:58 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(87) Chrysene

22.078min (+ 0.018) 3.01 ng/u1

response 90525

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.00	44.69#
229.00	19.10	57.37#
0.00	0.00	0.00

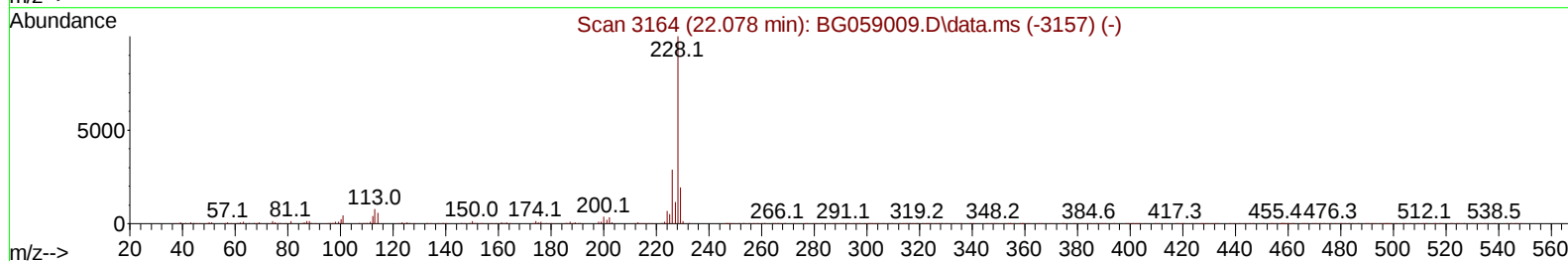
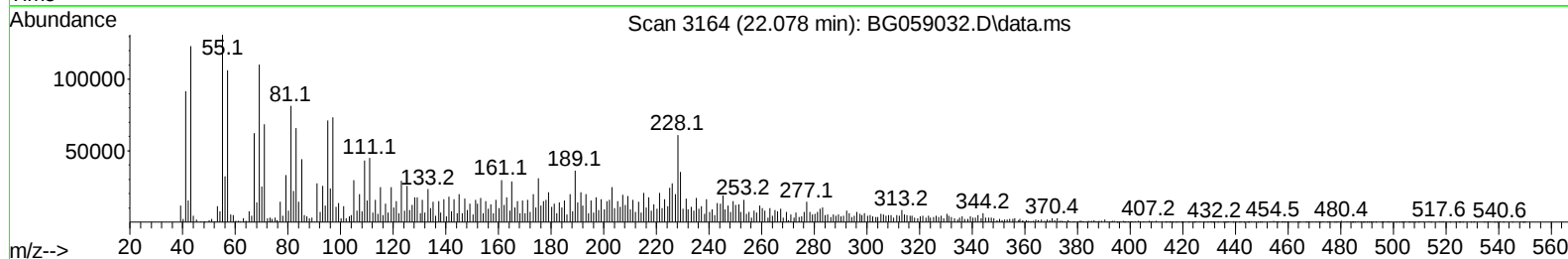
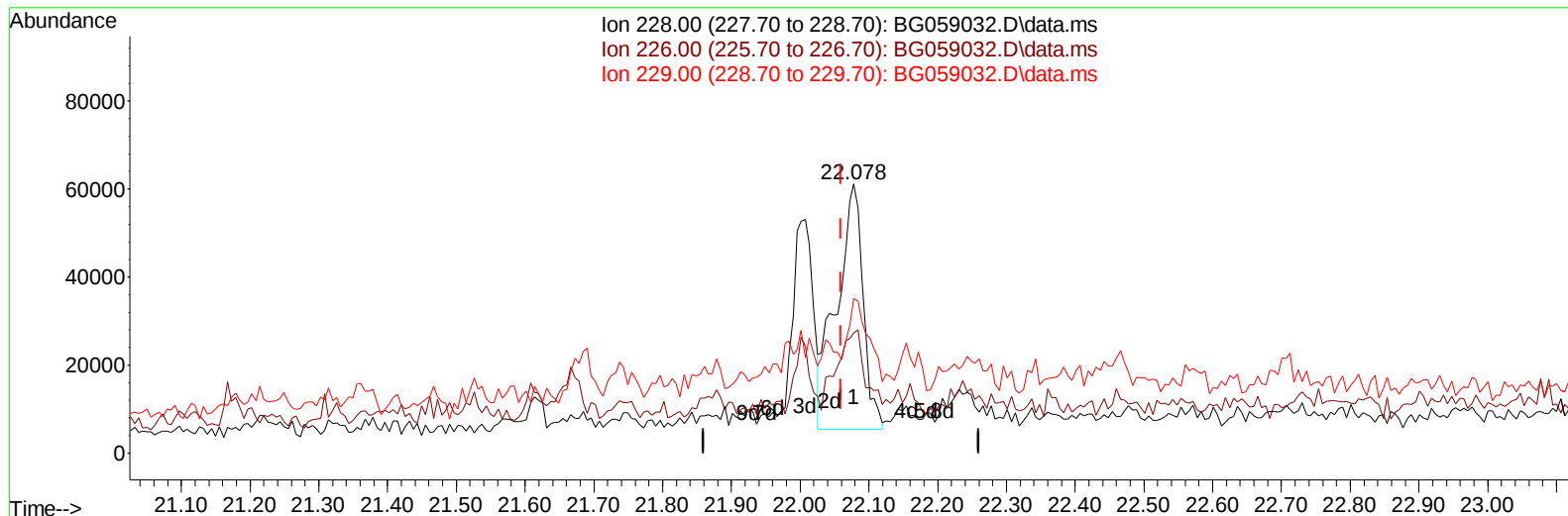
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 06:58:58 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(87) Chrysene

22.078min (+ 0.018) 5.01 ng/ul m

response 150673

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.00	44.69#
229.00	19.10	57.37#
0.00	0.00	0.00

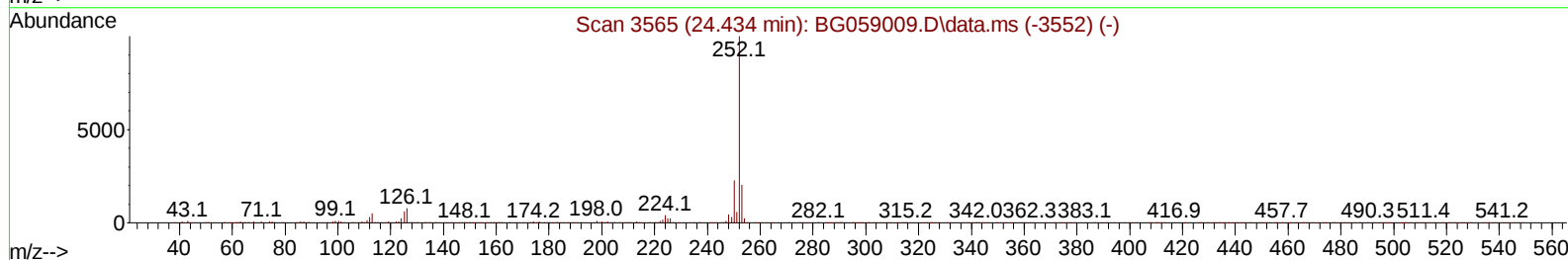
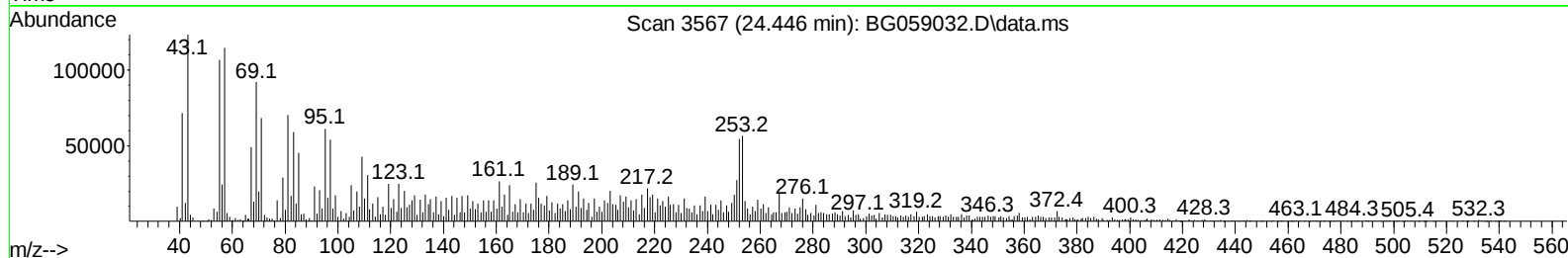
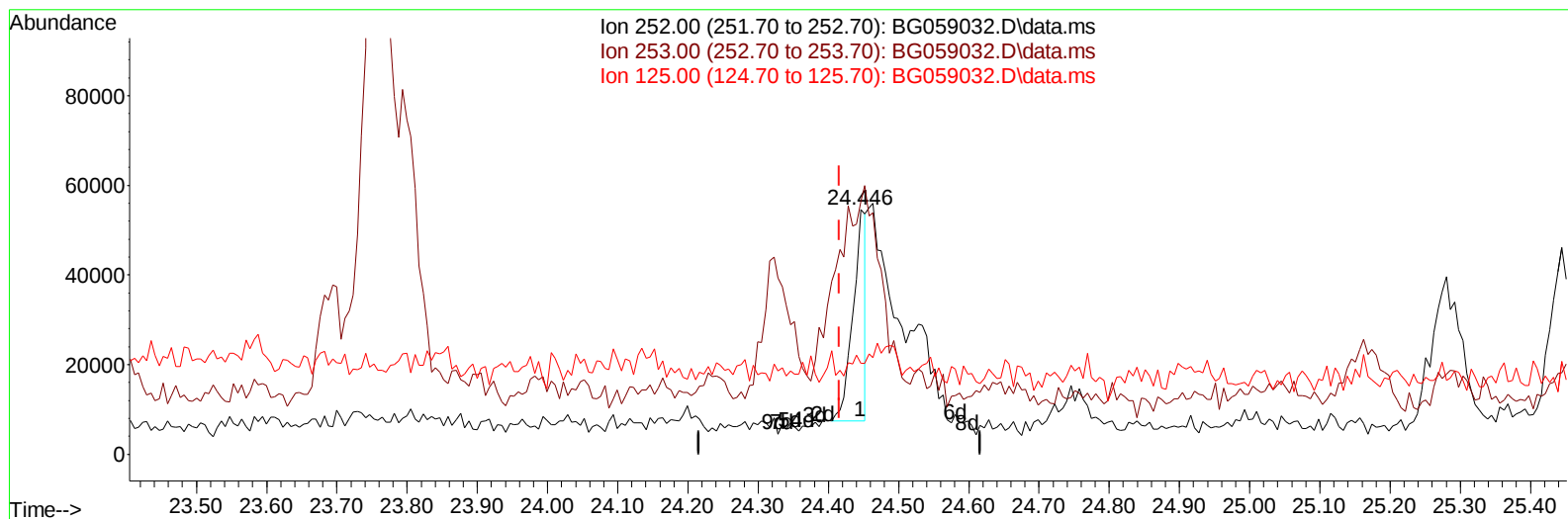
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 06:59:46 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(90) Benzo(b)fluoranthene

24.446min (+ 0.030) 1.74 ng/u1

response 60591

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	103.35#
125.00	7.70	37.23#
0.00	0.00	0.00

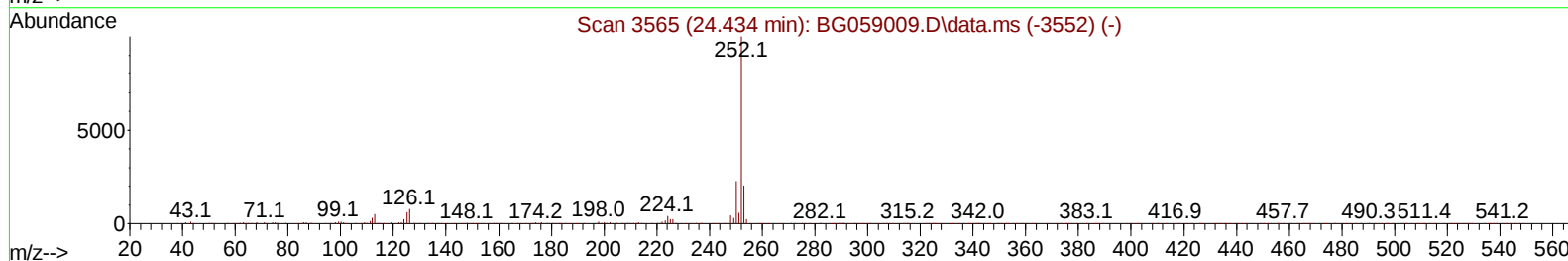
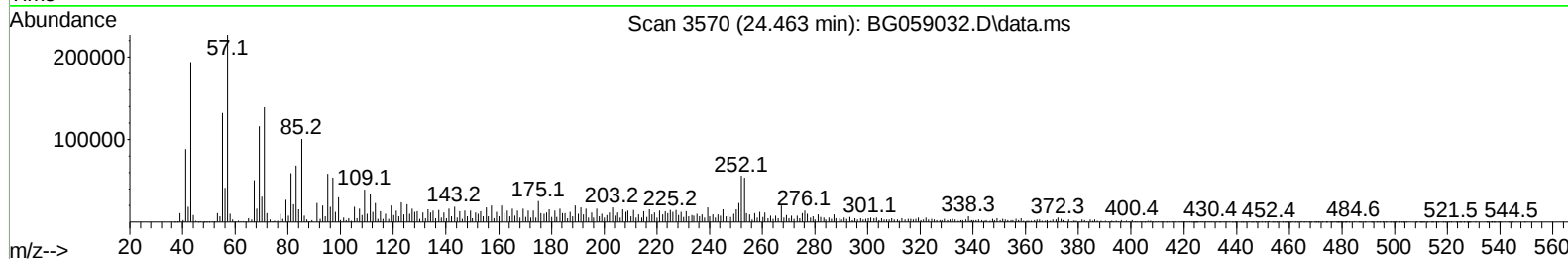
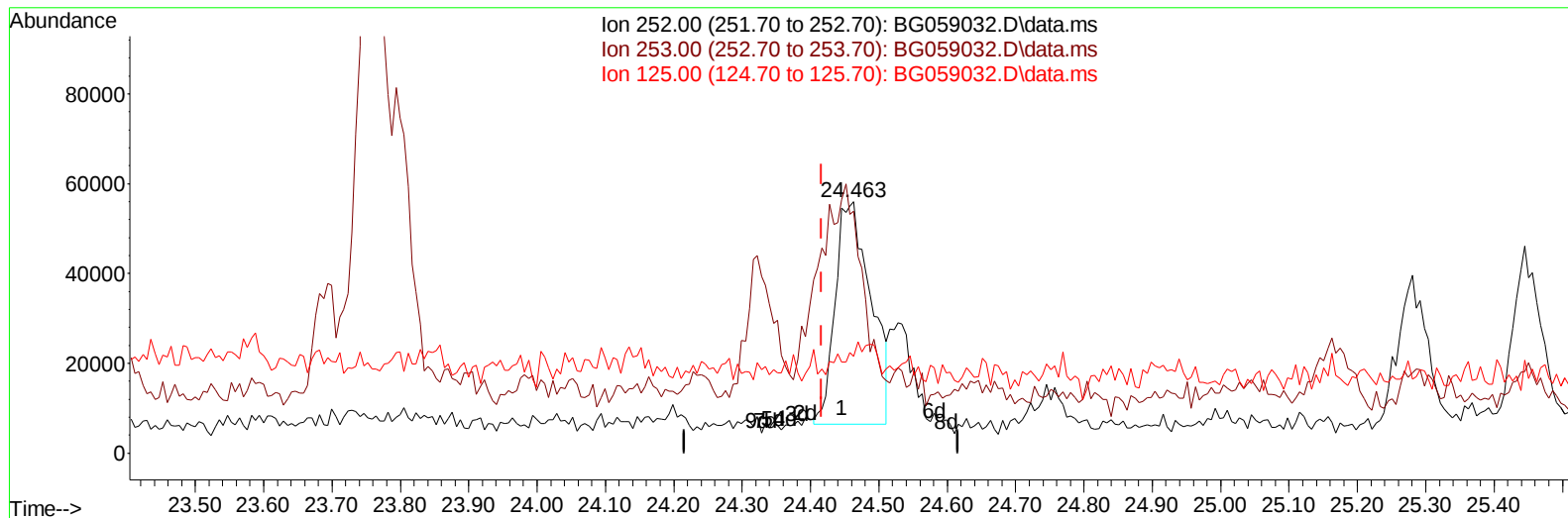
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 06:59:46 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(90) Benzo(b)fluoranthene

24.463min (+ 0.047) 5.12 ng/u1 m

response 178826

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	96.23#
125.00	7.70	38.60#
0.00	0.00	0.00

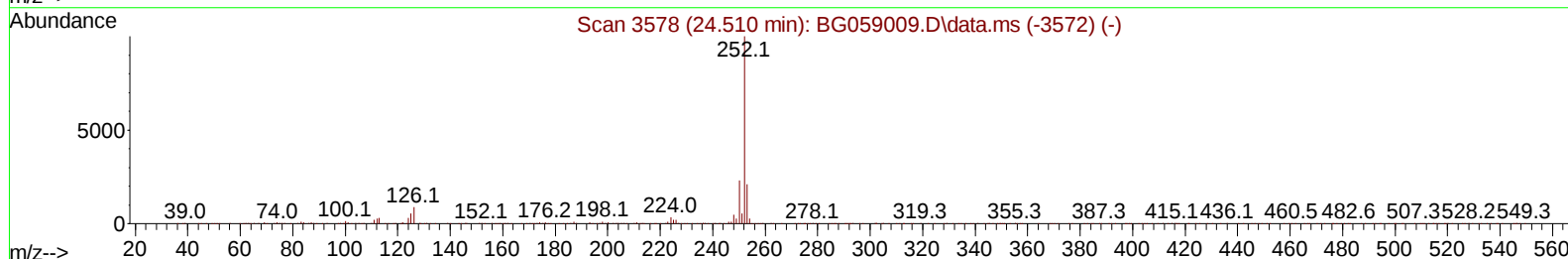
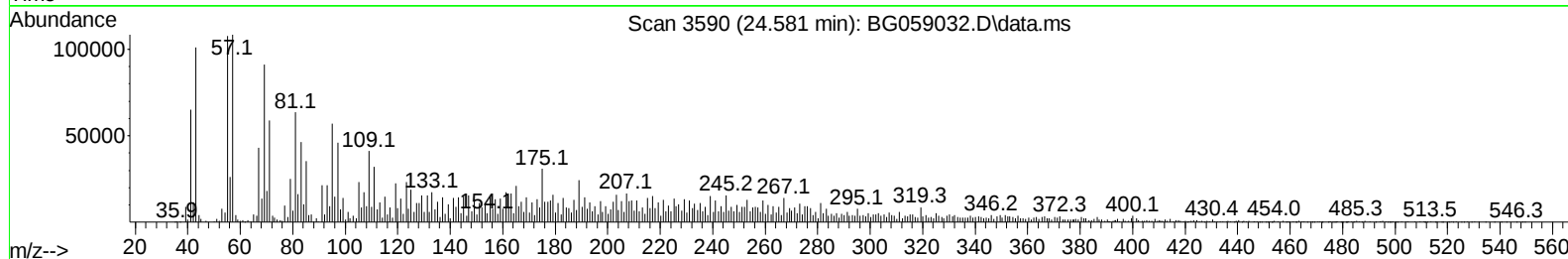
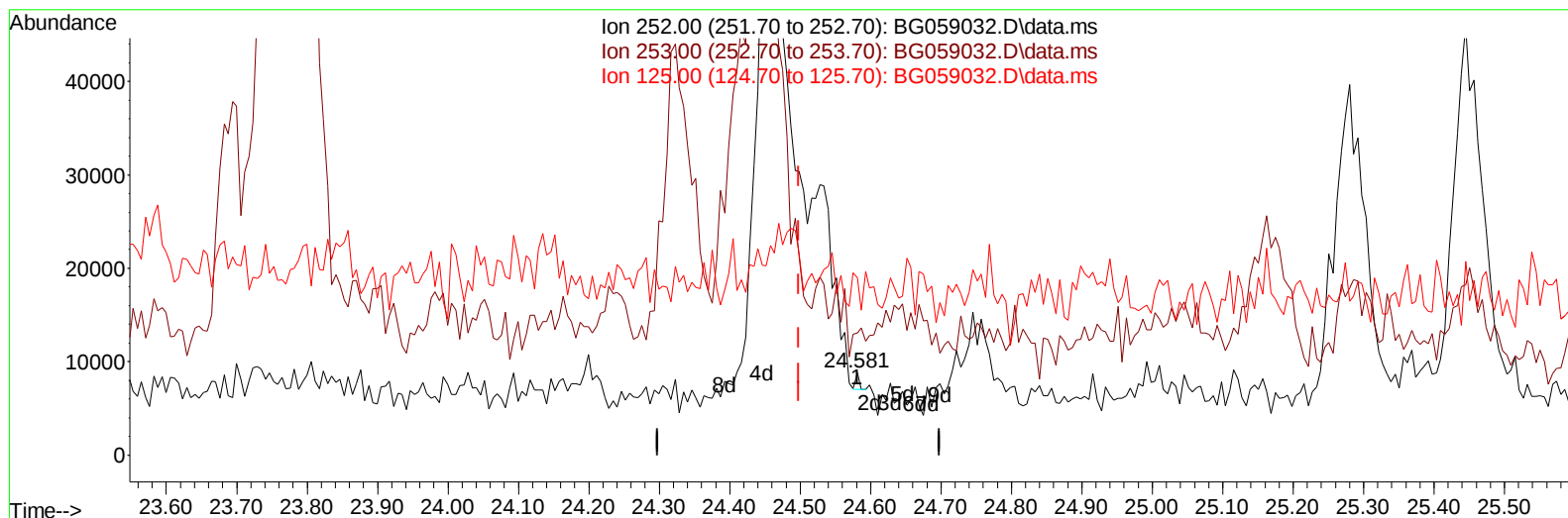
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:00:08 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 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(91) Benzo(k)fluoranthene

24.581min (+ 0.083) 0.02 ng/u1

response 643

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	148.84#
125.00	6.20	215.70#
0.00	0.00	0.00

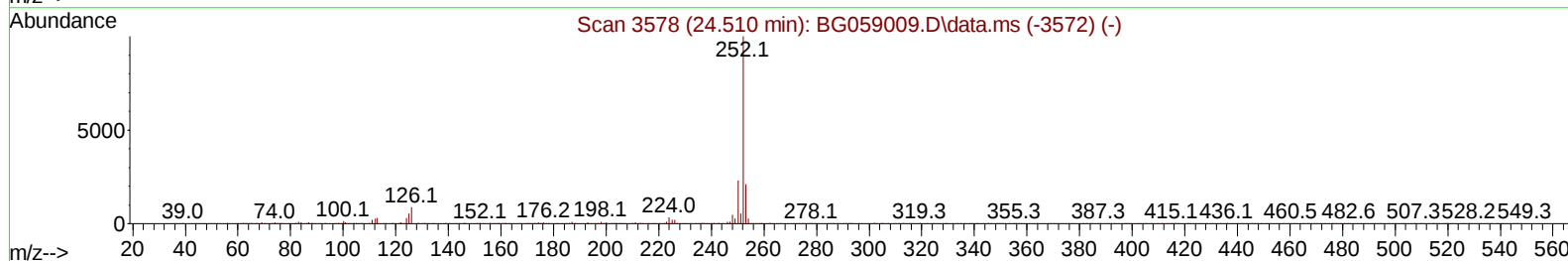
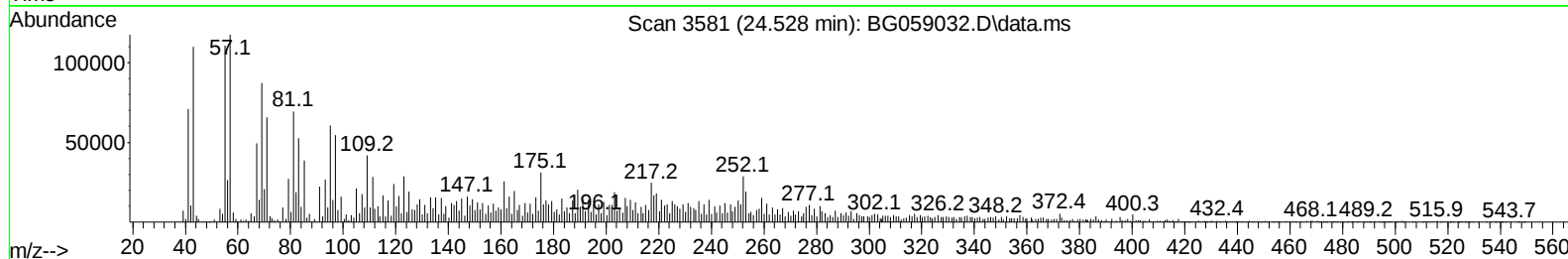
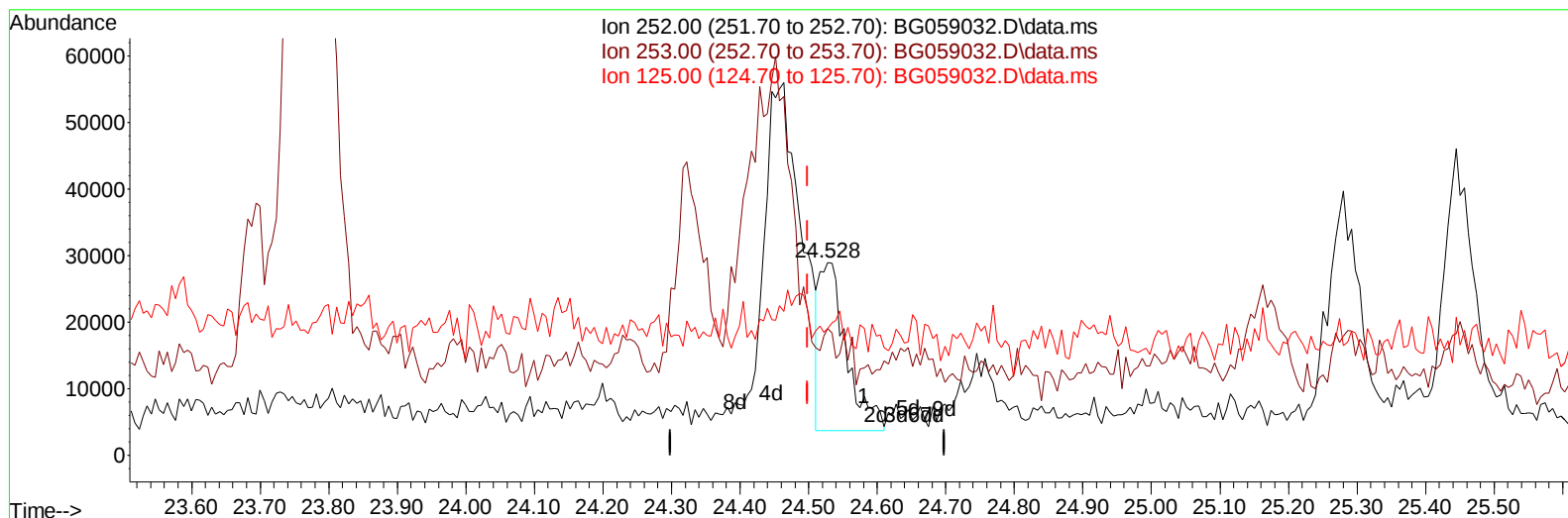
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:00:08 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

(91) Benzo(k)fluoranthene

24.528min (+ 0.030) 1.93 ng/ul m

response 68708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	65.76#
125.00	6.20	65.78#
0.00	0.00	0.00

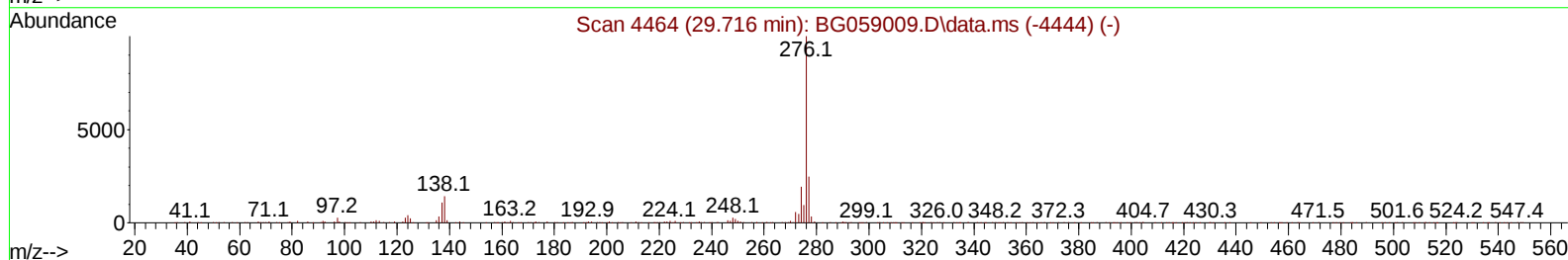
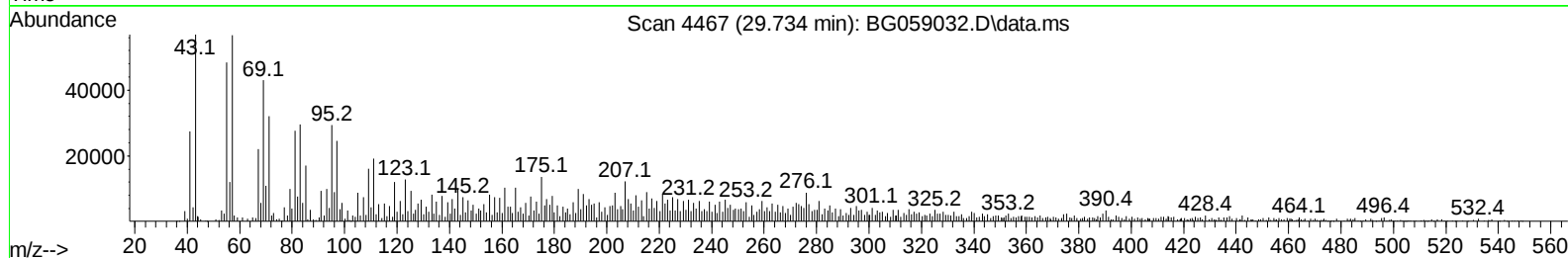
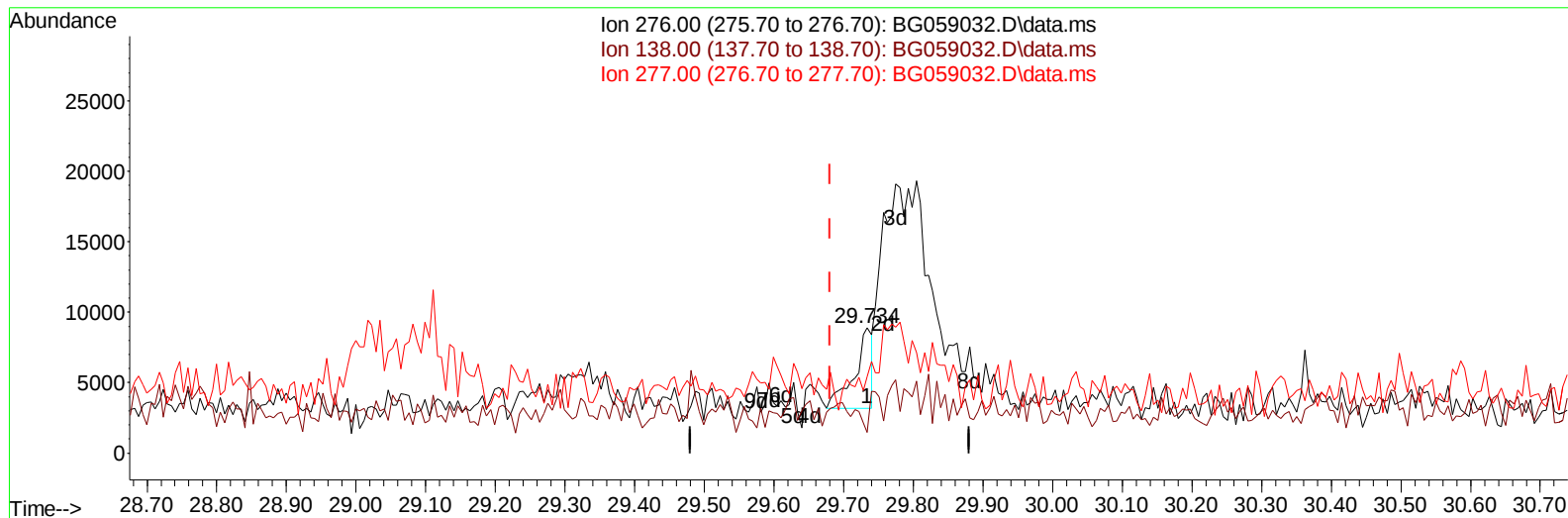
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:00:48 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

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

29.734min (+ 0.053) 0.24 ng/u1

response 10040

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	16.40
277.00	25.90	60.99#
0.00	0.00	0.00

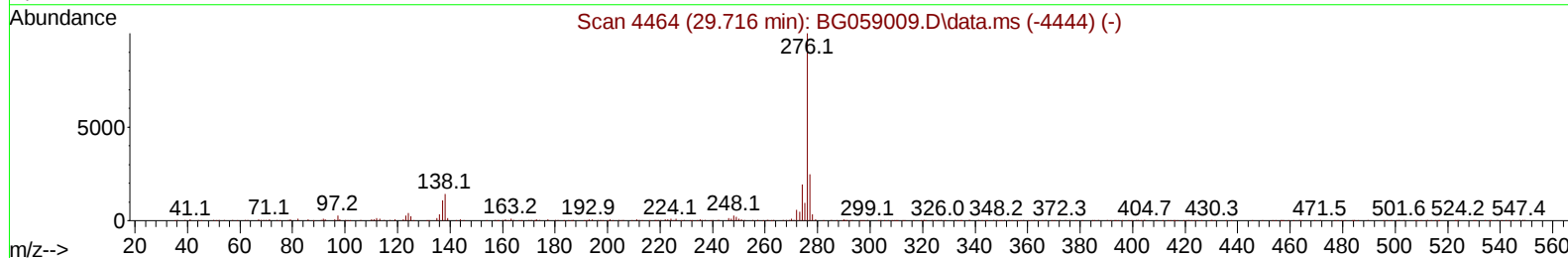
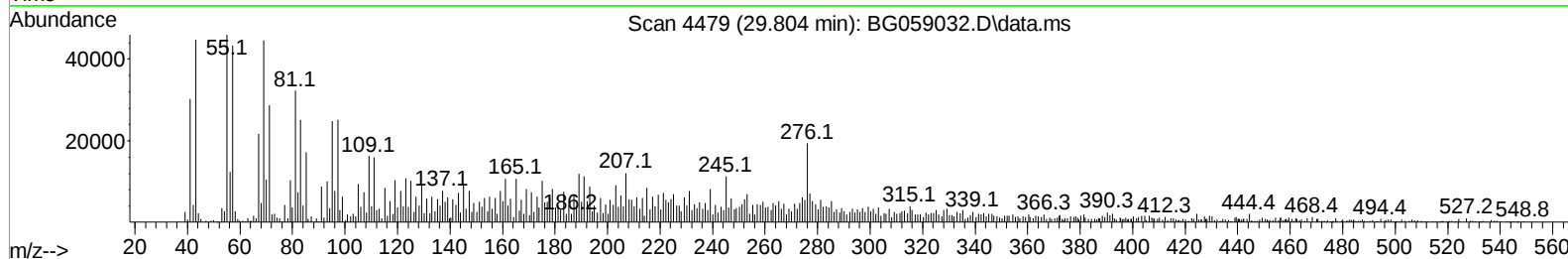
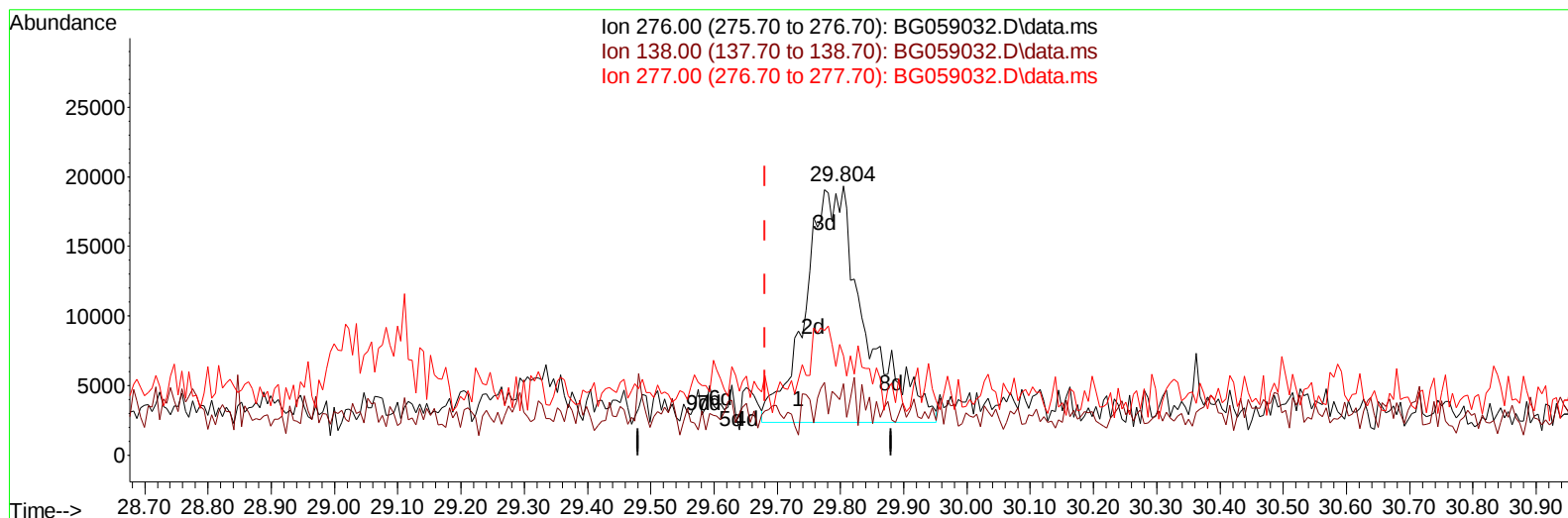
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:00:48 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 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

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

29.804min (+ 0.124) 2.70 ng/ul m

response 111071

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	26.53#
277.00	25.90	36.84#
0.00	0.00	0.00

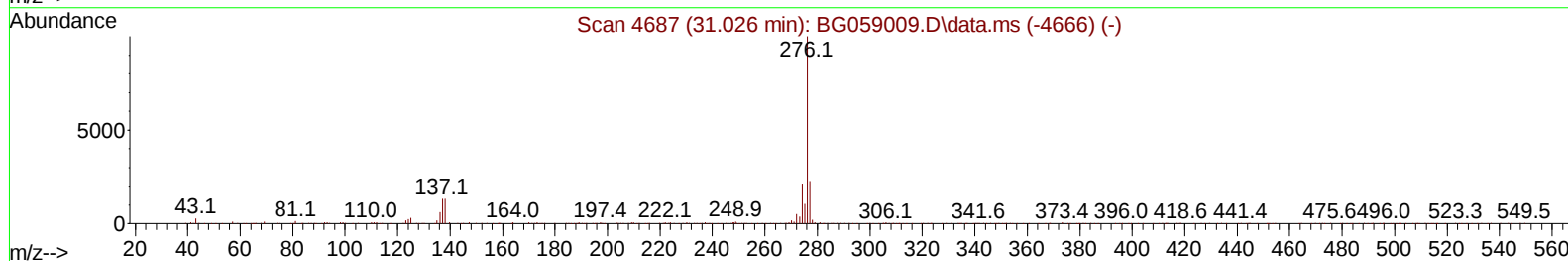
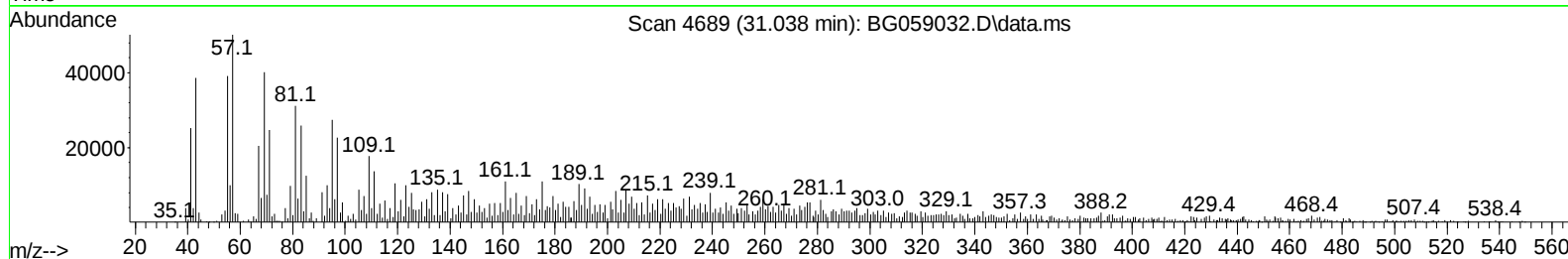
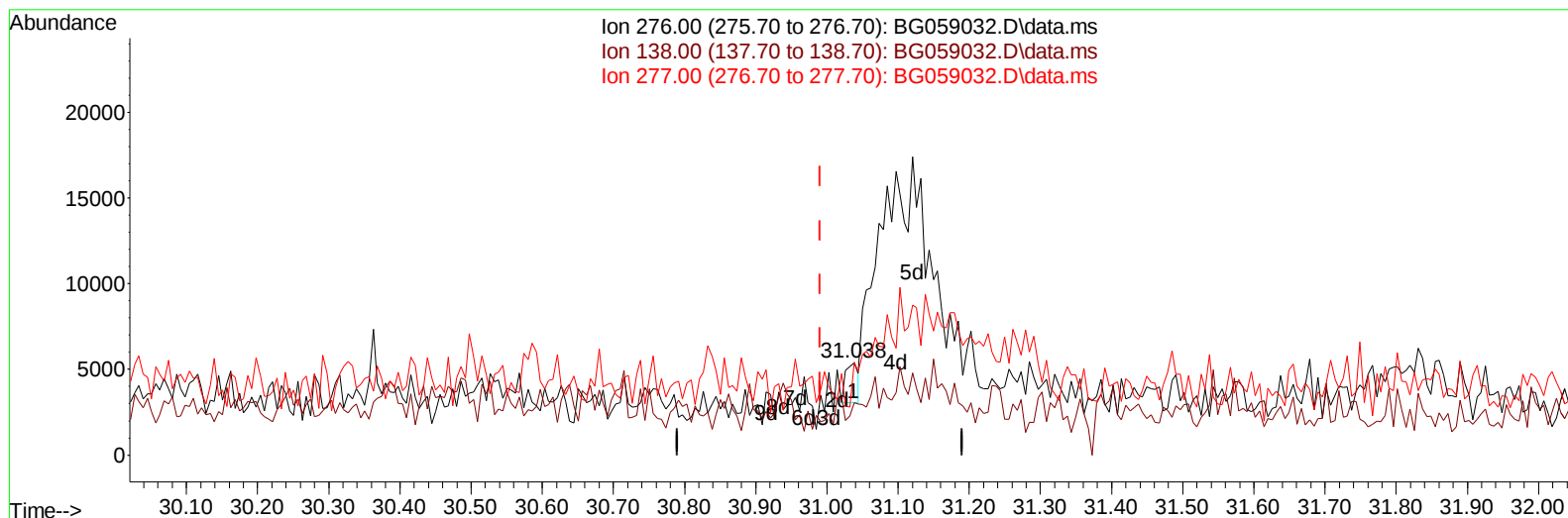
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:01:33 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 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

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

31.038min (+ 0.047) 0.09 ng/u1

response 2832

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	56.64#
277.00	21.80	100.43#
0.00	0.00	0.00

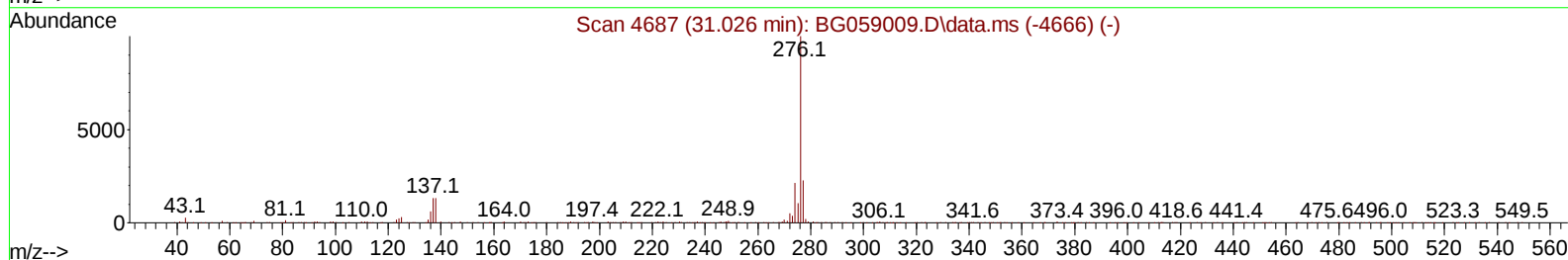
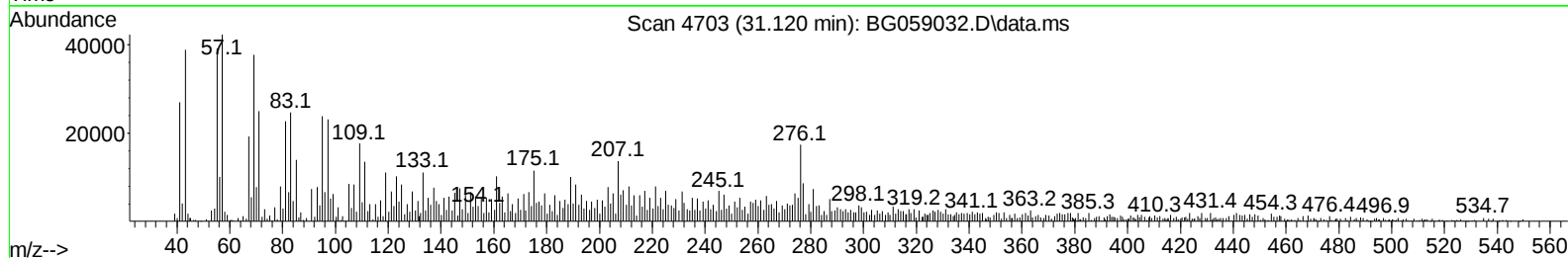
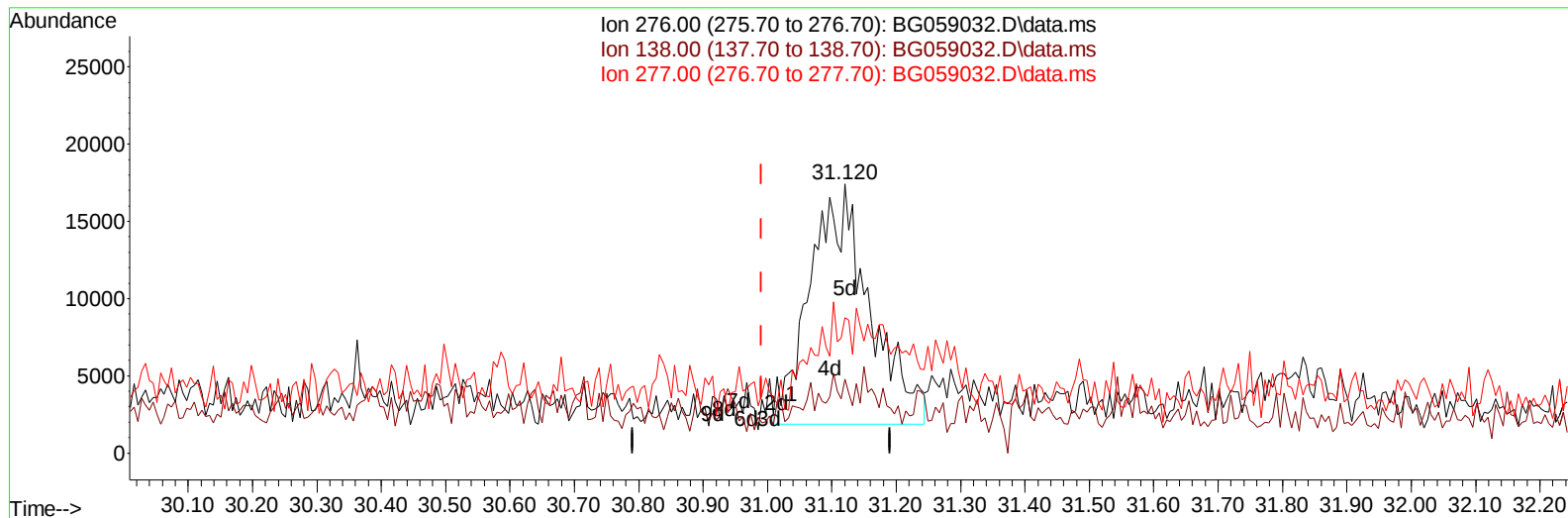
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:01:33 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 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059032.D\data.ms

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

31.120min (+ 0.130) 3.05 ng/u1 m

response 99498

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	27.54#
277.00	21.80	50.36#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:02:45 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 09/13/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	87316	20.000	ng/ul	0.00
20) Naphthalene-d8	11.161	136	411226	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.945	164	258051	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.695	188	565944	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.025	240	482512	20.000	ng/ul	# 0.01
88) Perylene-d12	25.621	264	586223	20.000	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	9587	4.667	ng/uL	0.00
4) Pyridine-d5	4.064	84	123494	18.988	ng/ul	0.00
7) Phenol-d5	7.430	99	291038	33.054	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.630	67	158373	30.674	ng/ul	0.00
11) 2-Chlorophenol-d4	7.830	132	192200	34.035	ng/ul	0.00
15) 4-Methylphenol-d8	8.999	113	167057	24.558	ng/ul	0.00
21) Nitrobenzene-d5	9.510	128	106781	35.798	ng/ul	0.00
24) 2-Nitrophenol-d4	10.227	143	128195	39.167	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.756	165	231407	33.267	ng/ul	0.00
31) 4-Chloroaniline-d4	11.302	131	68743	7.349	ng/ul	0.00
46) Dimethylphthalate-d6	14.334	166	764616	38.199	ng/ul	0.00
49) Acenaphthylene-d8	14.646	160	613776	27.536	ng/ul	0.00
54) 4-Nitrophenol-d4	15.116	143	49585	14.913	ng/ul	0.00
60) Fluorene-d10	15.932	176	700051	39.409	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.038	200	41273	14.857	ng/ul	0.00
73) Anthracene-d10	17.795	188	1012840	40.314	ng/ul	0.00
81) Pyrene-d10	20.069	212	1110772	43.458	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.368	264	1154273	40.167	ng/ul	0.05
Target Compounds						
					Qvalue	
16) Acetophenone	9.158	105	13586	1.205	ng/ul#	91
30) Naphthalene	11.214	128	47934	2.211	ng/ul#	93
36) 2-Methylnaphthalene	12.789	142	56976	3.522	ng/ul	84
37) 1-Methylnaphthalene	13.012	142	32203	2.018	ng/ul#	98
72) Phenanthrene	17.736	178	145303	5.059	ng/ul	95
78) Di-n-butylphthalate	18.611	149	73796	2.723	ng/ul#	90
80) Fluoranthene	19.728	202	166818	5.620	ng/ul#	95
82) Pyrene	20.092	202	172247	5.582	ng/ul#	97
85) Benzo(a)anthracene	22.007	228	91995	2.843	ng/ul#	58
86) Bis(2-ethylhexyl)phtha...	21.837	149	118382	8.106	ng/ul#	70
87) Chrysene	22.078	228	150673m	5.009	ng/ul	
90) Benzo(b)fluoranthene	24.463	252	178826m	5.121	ng/ul	
91) Benzo(k)fluoranthene	24.528	252	68708m	1.925	ng/ul	
93) Benzo(a)pyrene	25.445	252	107743	3.307	ng/ul#	44
94) Indeno(1,2,3-cd)pyrene	29.804	276	111071m	2.698	ng/ul	
96) Benzo(g,h,i)perylene	31.120	276	99498m	3.053	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059032.D
Acq On : 13 Sep 2023 6:19
Operator : MA/JU
Sample : 04175-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYD2

Manual IntegrationsAPPROVED

Quant Time: Sep 13 07:02:45 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 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

