

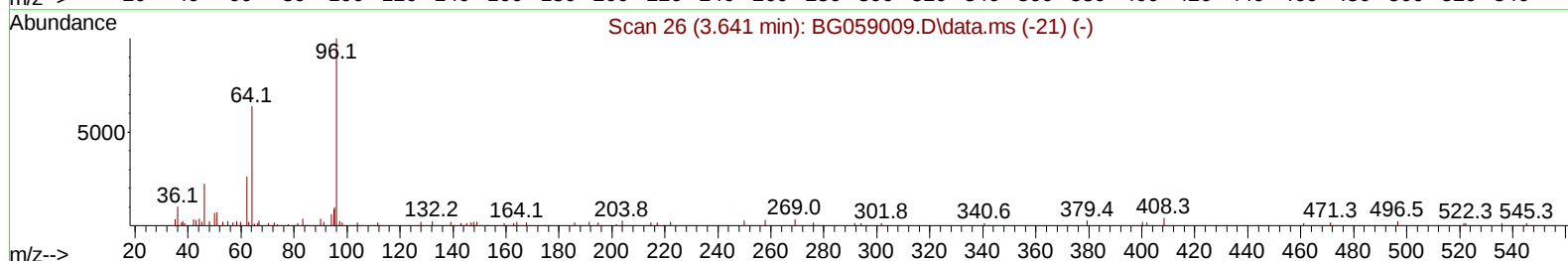
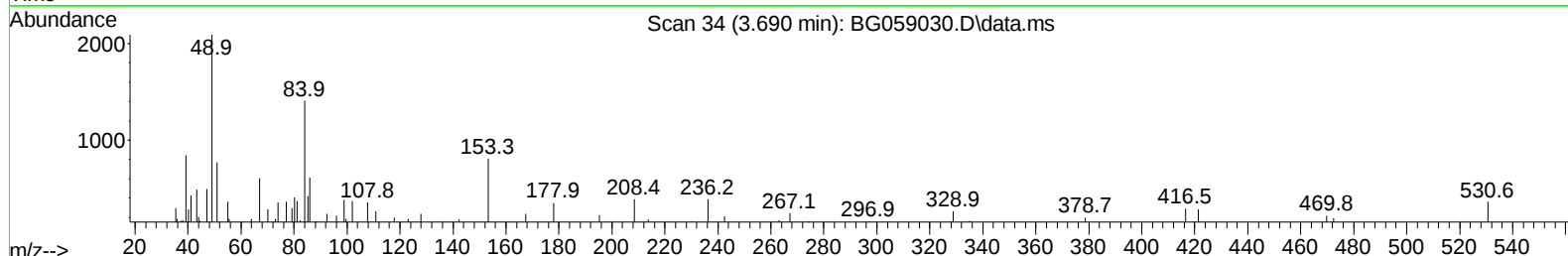
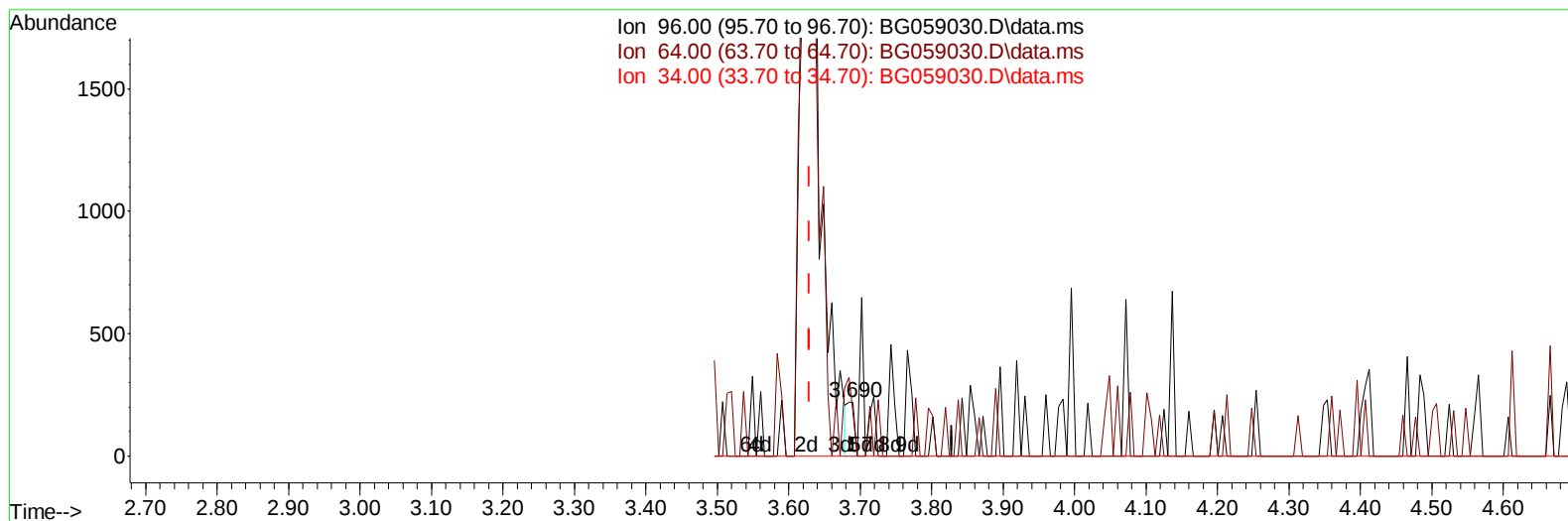
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059030.D
 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:31:33 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: BG059030.D\data.ms

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

3.690min (+ 0.061) 0.08 ng/uL

response 155

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	83.18
34.00	0.00	0.00
0.00	0.00	0.00

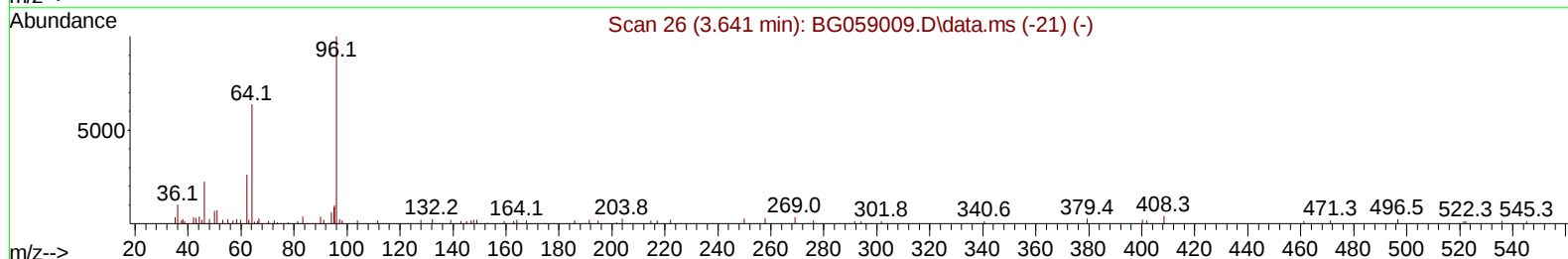
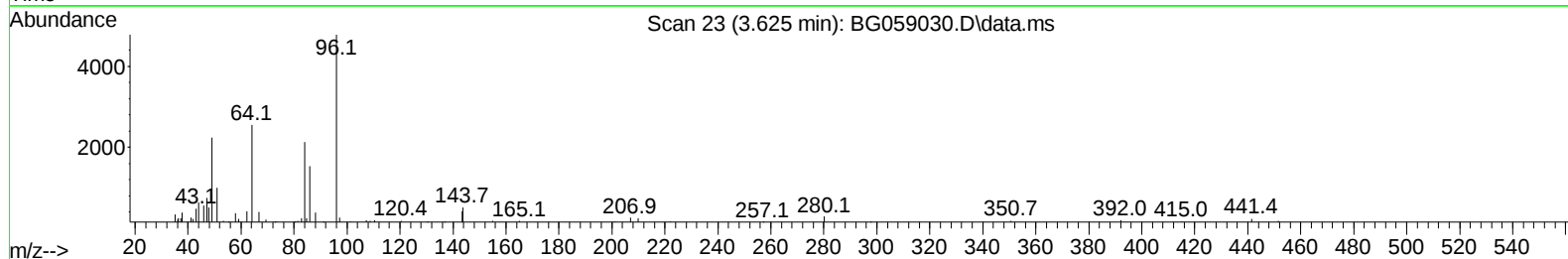
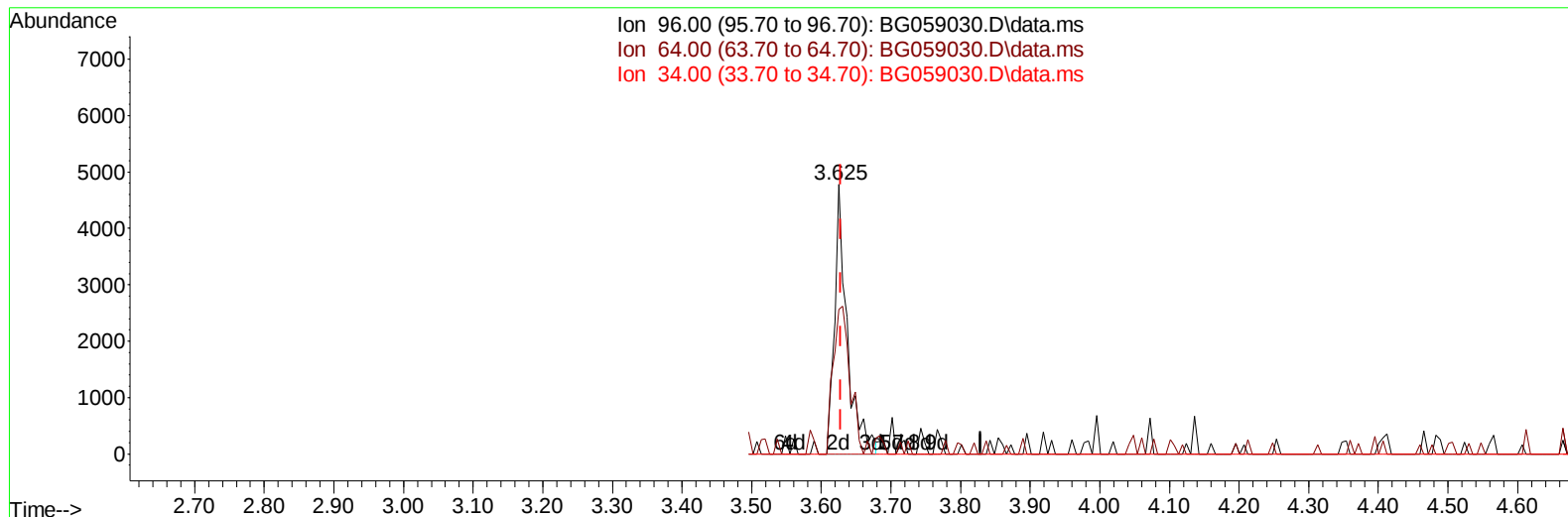
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059030.D
 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
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 Misc :
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Instrument :
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 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:31:33 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059030.D\data.ms

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

3.625min (-0.003) 3.09 ng/uL m

response 6125

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	53.57#
34.00	0.00	0.00
0.00	0.00	0.00

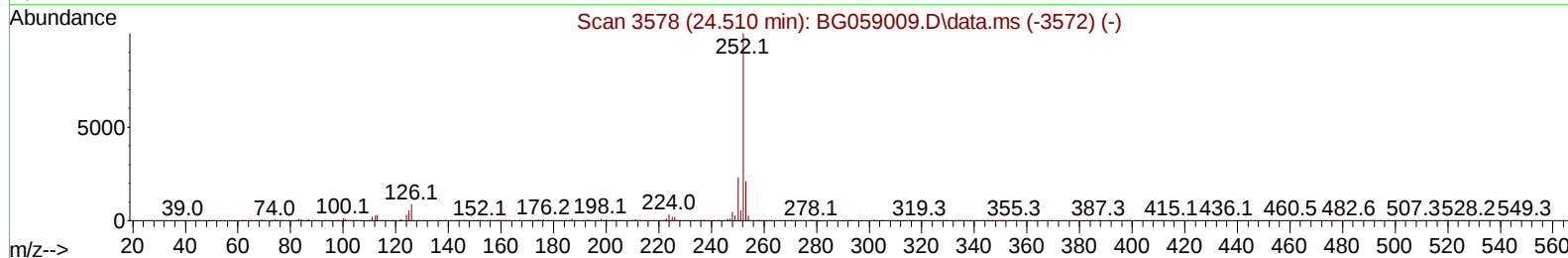
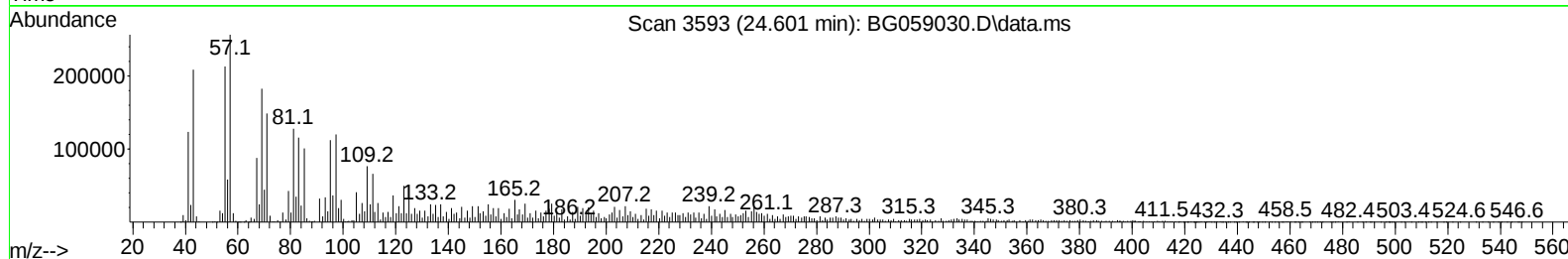
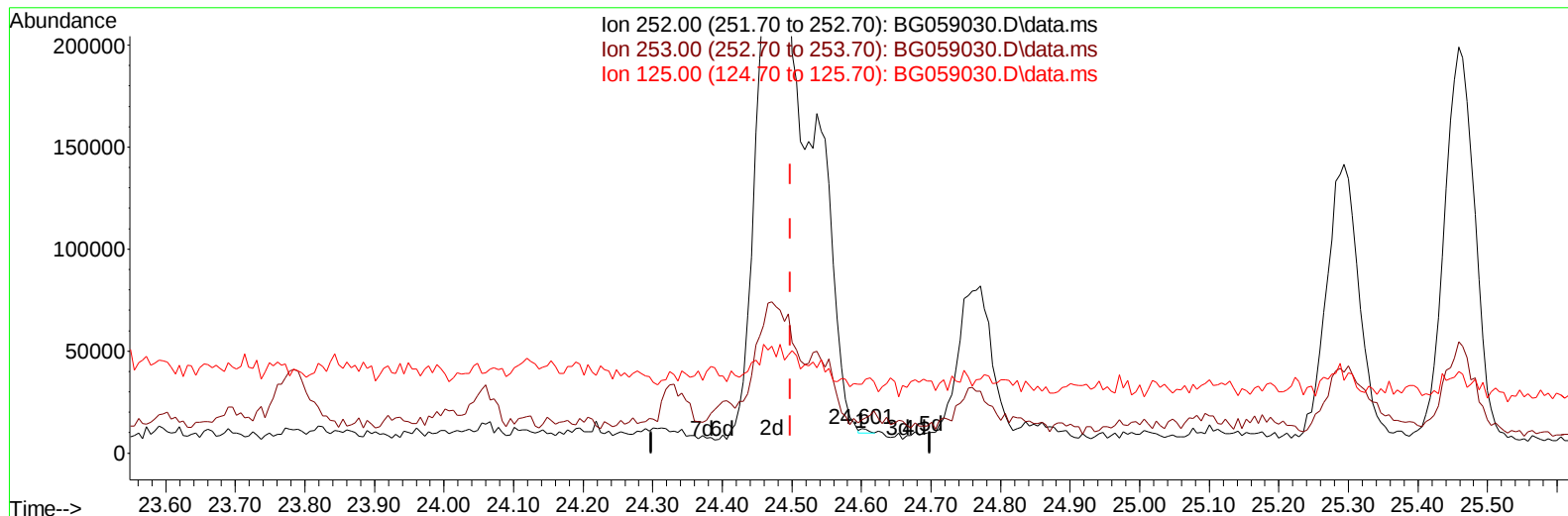
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059030.D
Acq On : 13 Sep 2023 4:56
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:33:13 2023
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Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059030.D\data.ms

(91) Benzo(k)fluoranthene

24.601min (+ 0.102) 0.05 ng/u1

response 1532

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	134.67#
125.00	6.20	280.79#
0.00	0.00	0.00

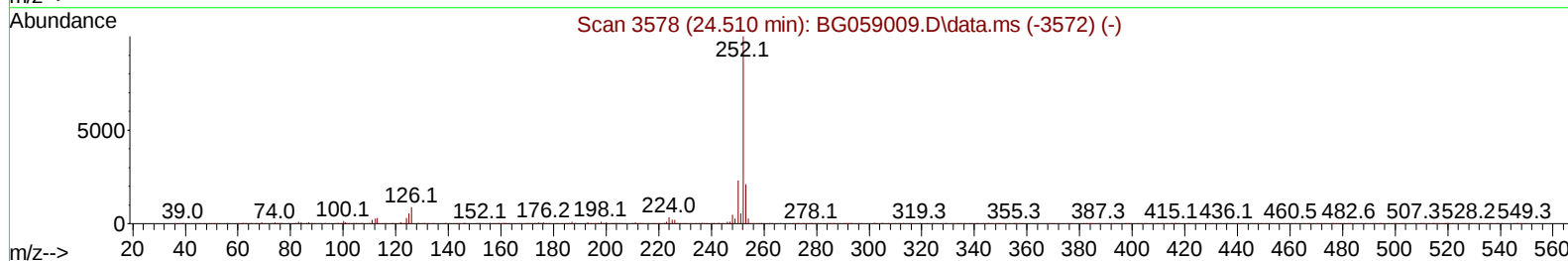
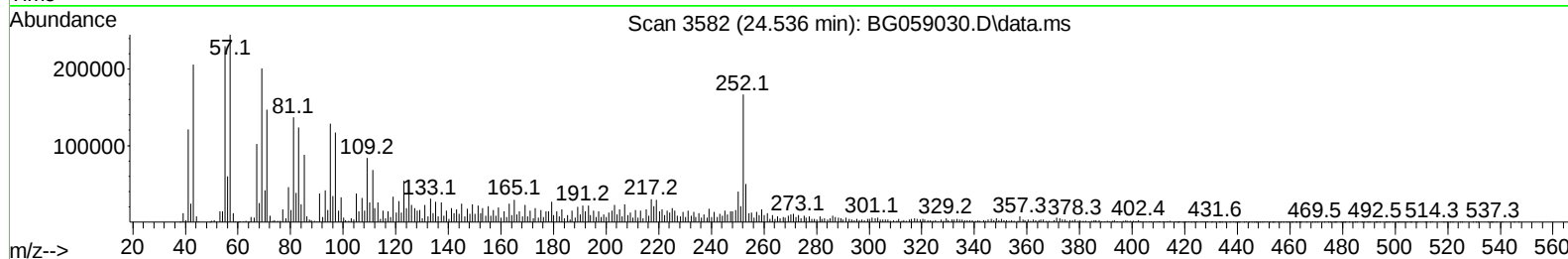
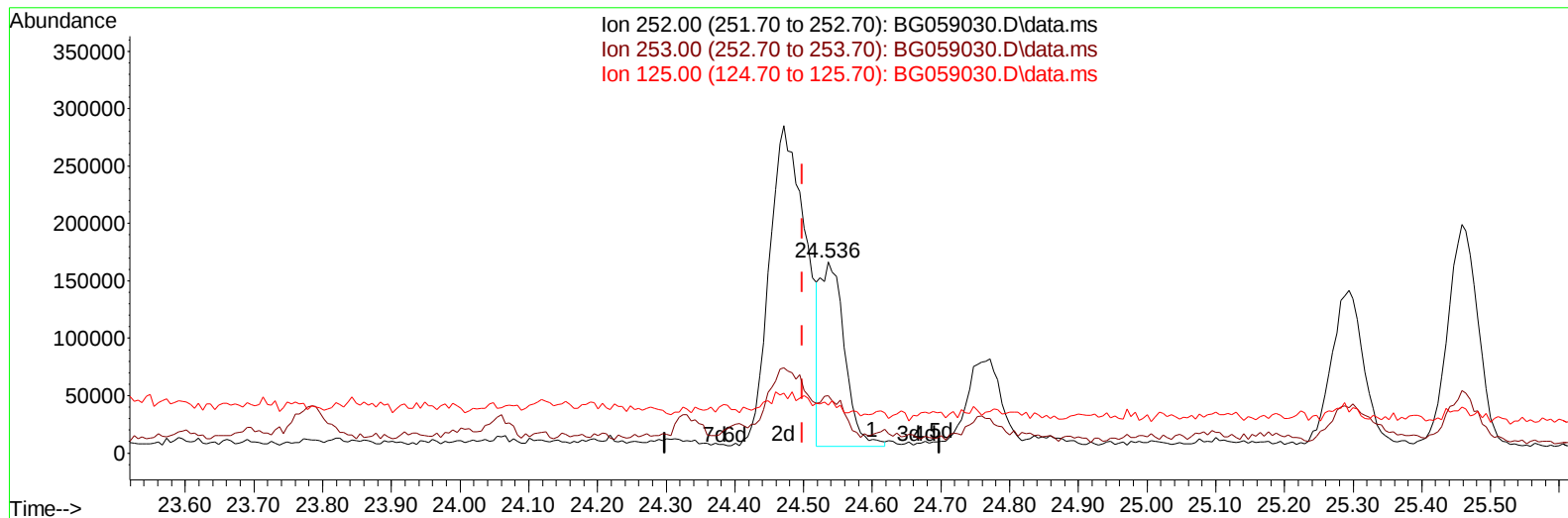
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059030.D
Acq On : 13 Sep 2023 4:56
Operator : MA/JU
Sample : 04175-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:33:13 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
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Supervised By :mohammad ahmed 09/14/2023



TIC: BG059030.D\data.ms

(91) Benzo(k)fluoranthene

24.536min (+ 0.038) 12.29 ng/ul m

response 398223

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	30.07#
125.00	6.20	25.09#
0.00	0.00	0.00

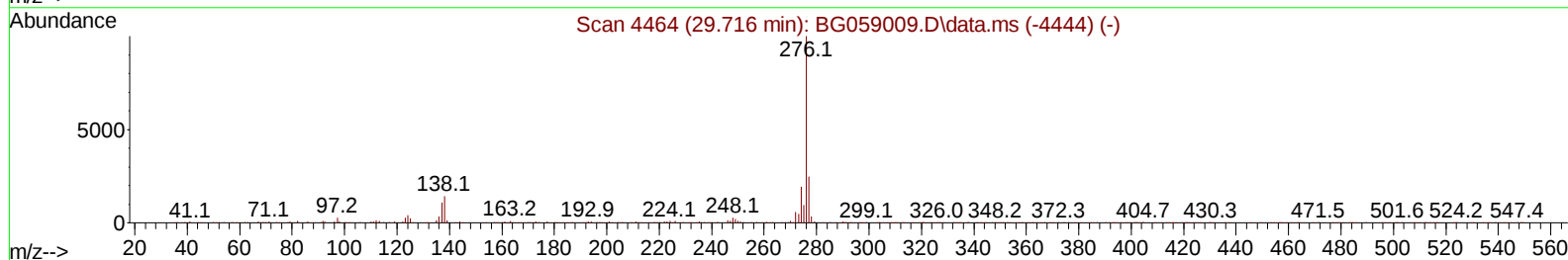
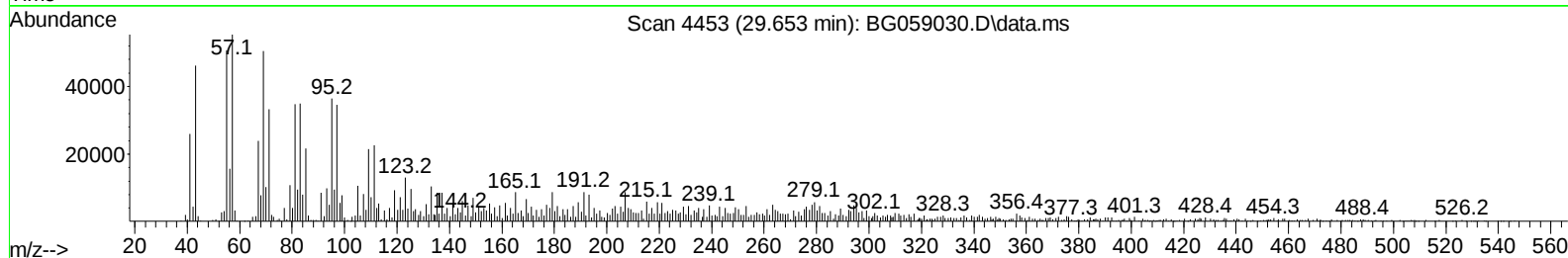
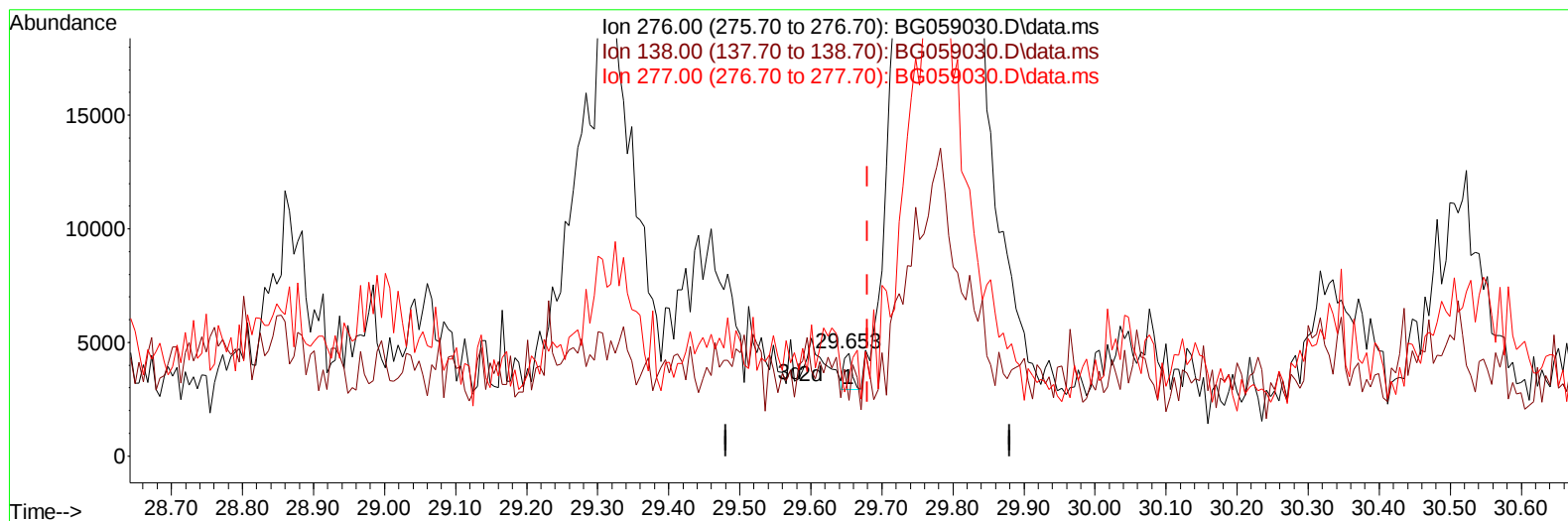
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059030.D
 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:33:49 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
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Reviewed By :Yogesh Patel 09/13/2023
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TIC: BG059030.D\data.ms

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

29.653min (-0.027) 0.03 ng/u1

response 1276

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	54.15#
277.00	25.90	76.16#
0.00	0.00	0.00

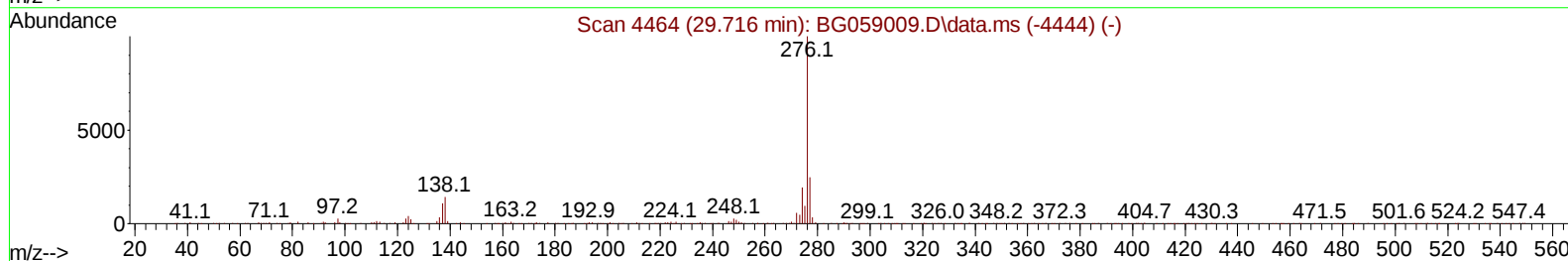
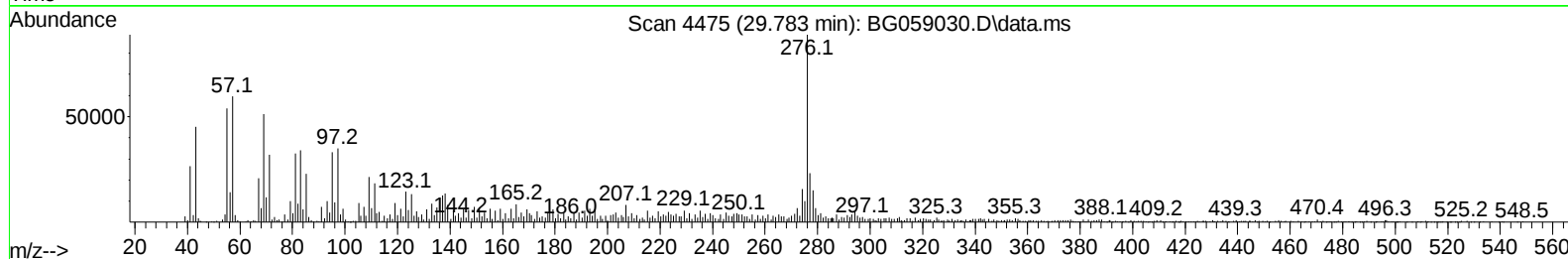
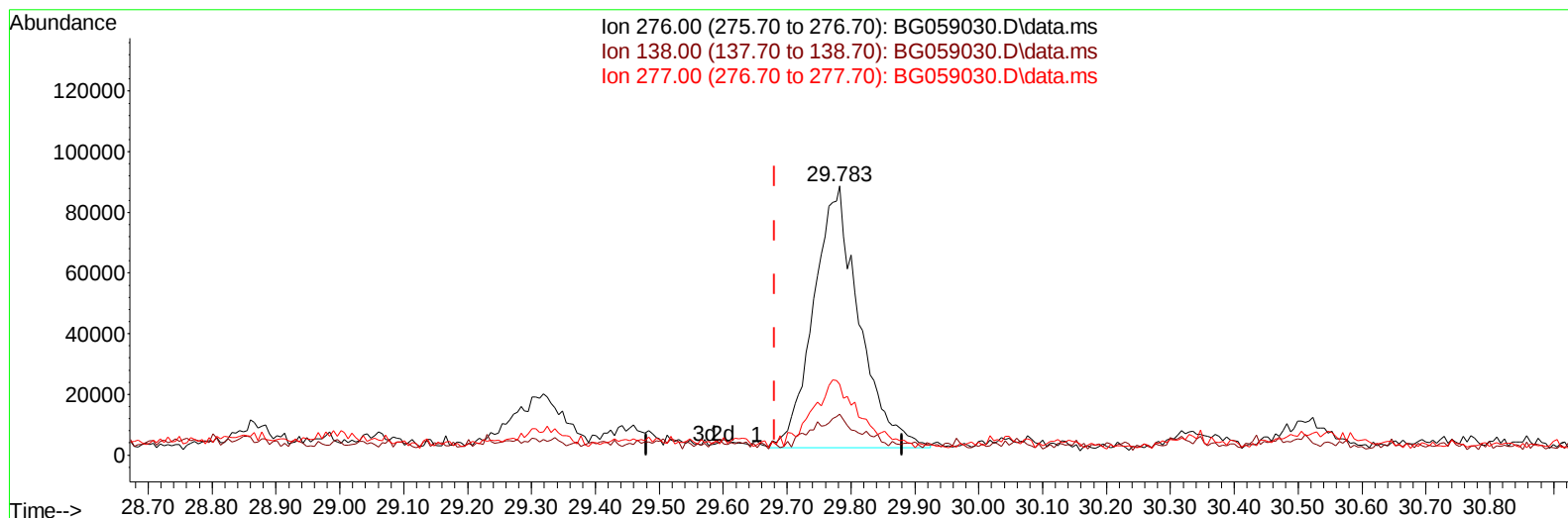
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059030.D
 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:33:49 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059030.D\data.ms

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

29.783min (+ 0.102) 11.45 ng/ul m

response 428274

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	15.30
277.00	25.90	26.30
0.00	0.00	0.00

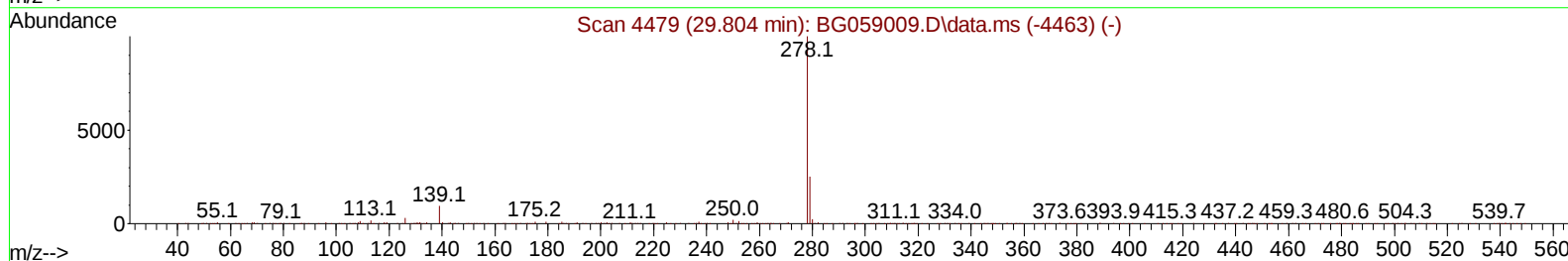
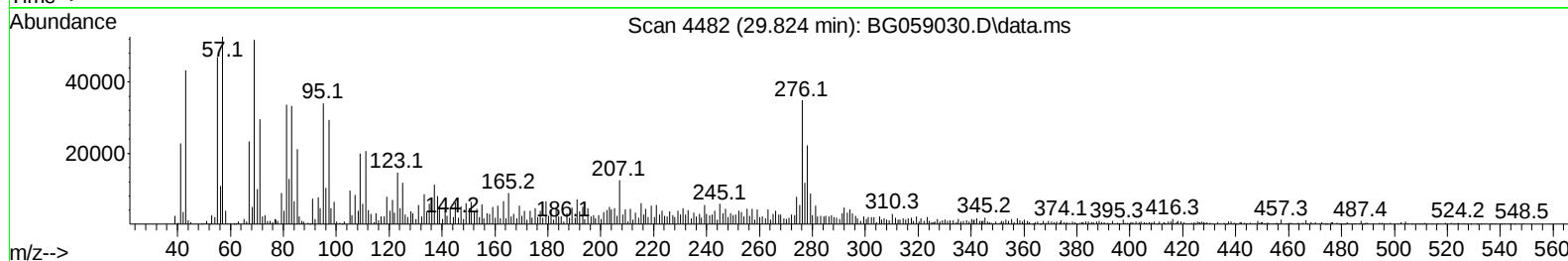
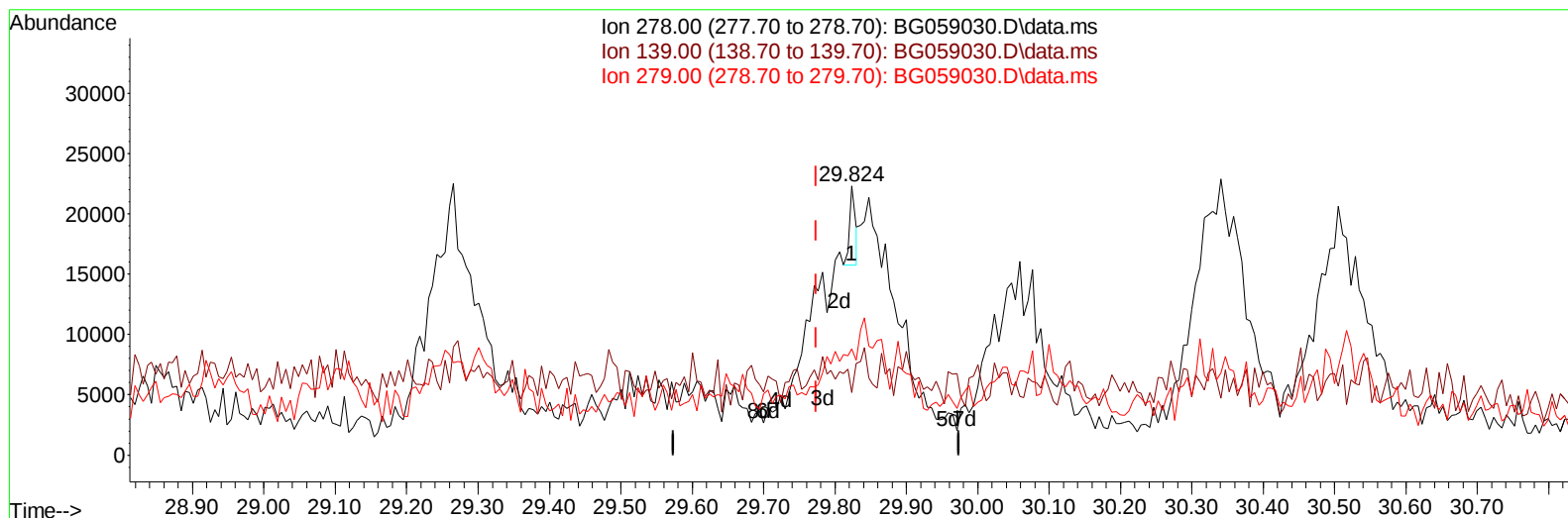
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
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 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:34:22 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059030.D\data.ms

(95) Dibenzo(a,h)anthracene

29.824min (+ 0.049) 0.12 ng/u1

response 3825

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.30	23.34#
279.00	23.10	39.40#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
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 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_G

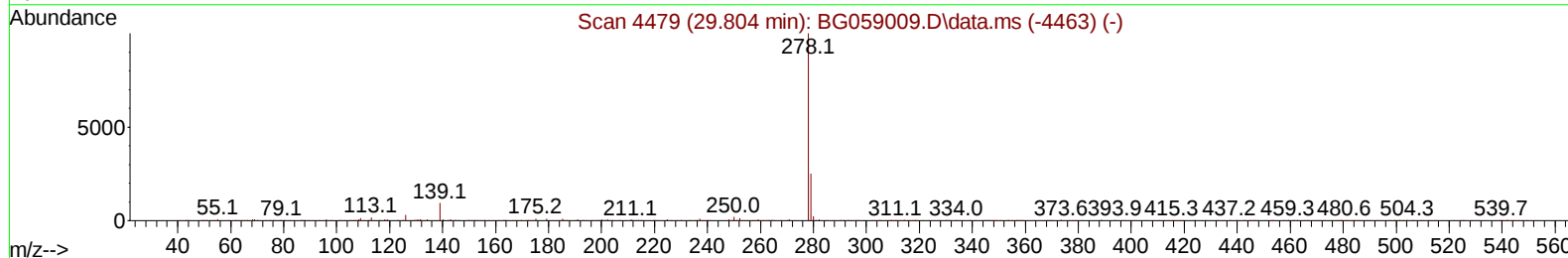
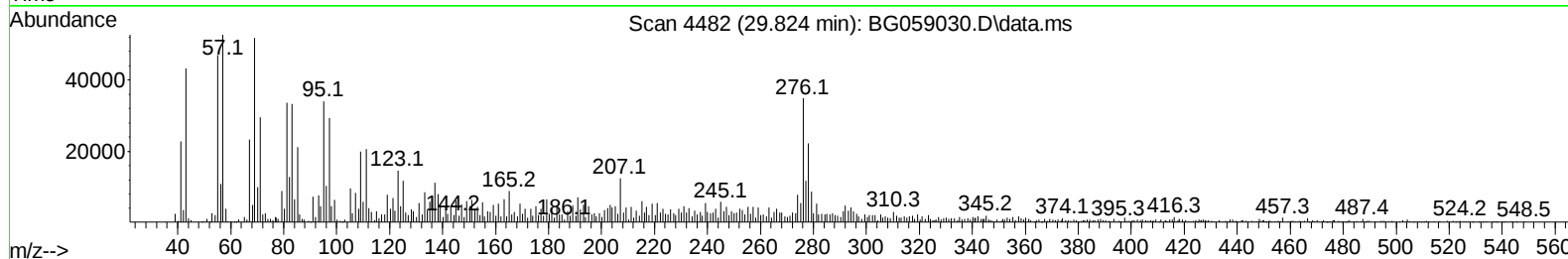
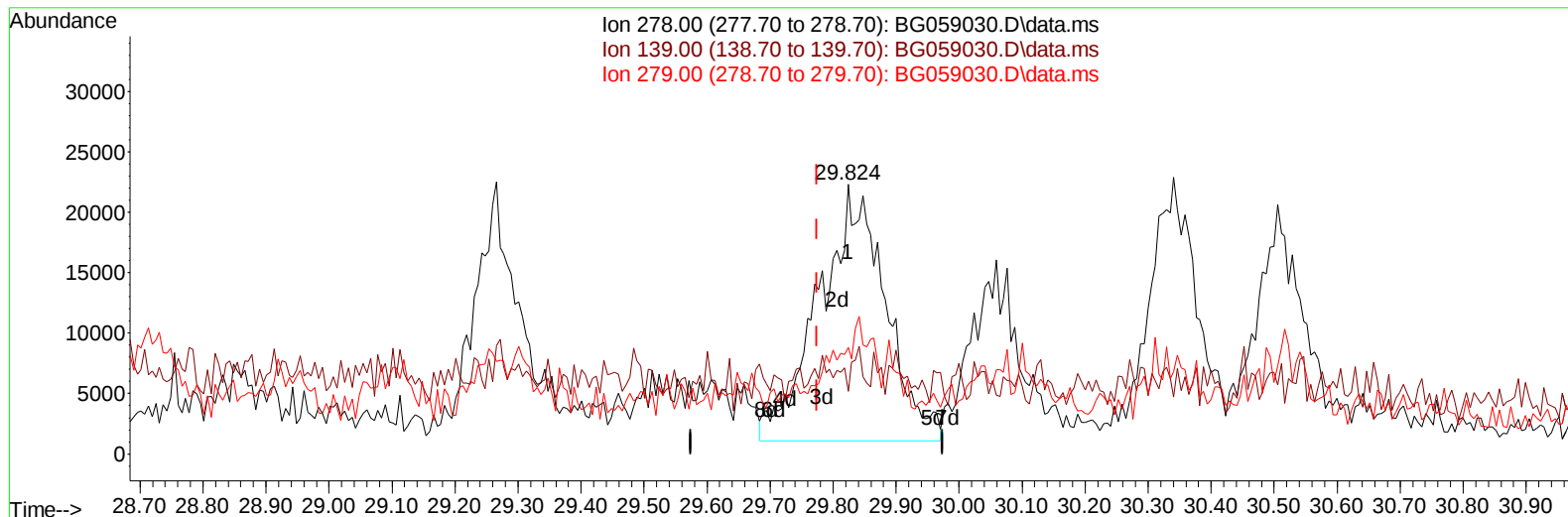
ClientSampleId :

EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:34:22 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: BG059030.D\data.ms

(95) Dibenzo(a,h)anthracene

29.824min (+ 0.049) 4.99 ng/u1 m

response 154509

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.30	23.34#
279.00	23.10	39.40#
0.00	0.00	0.00

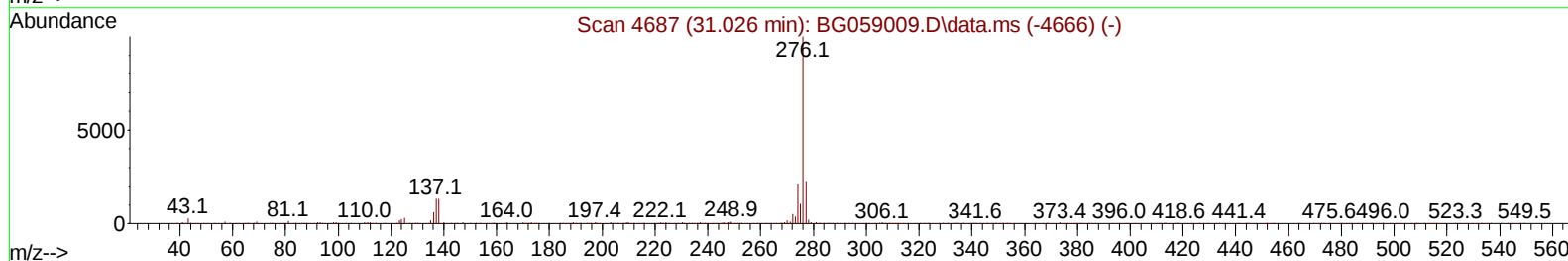
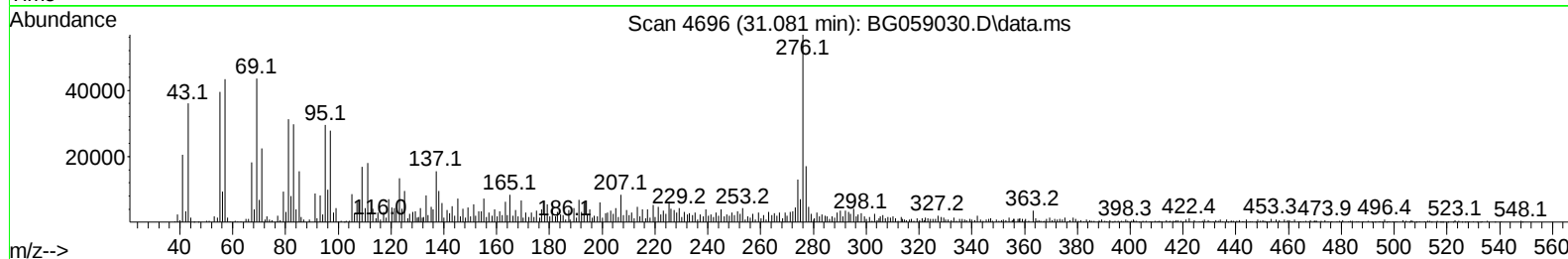
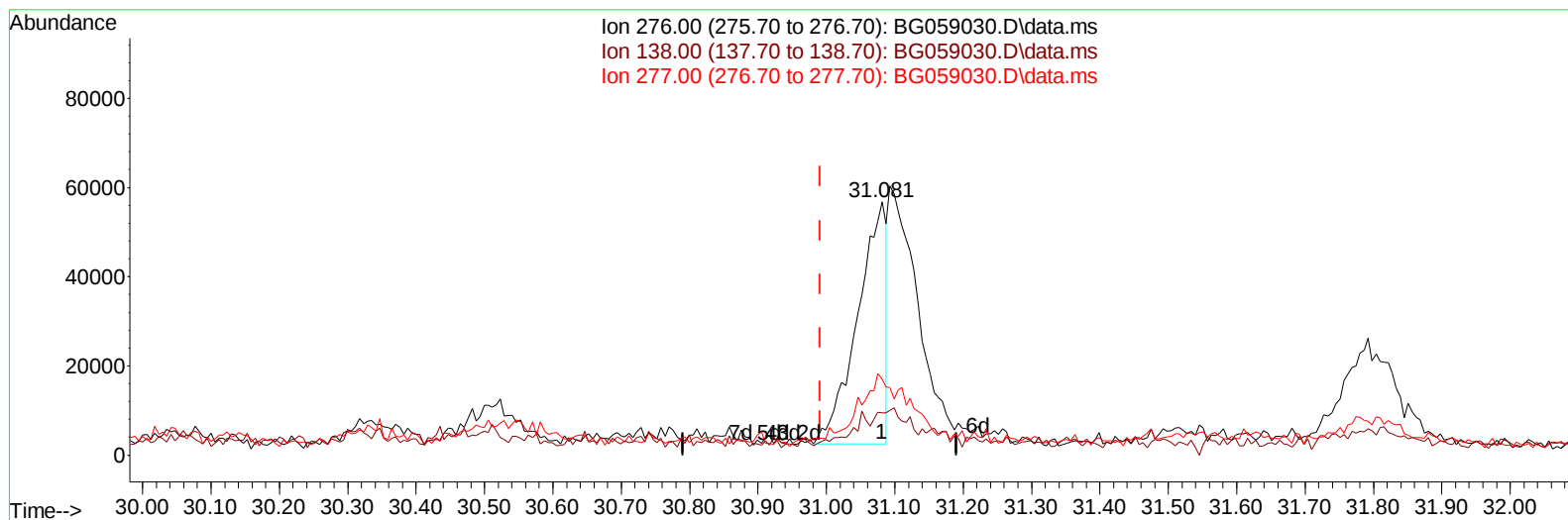
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Sample : 04175-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:34:54 2023
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TIC: BG059030.D\data.ms

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

31.081min (+ 0.091) 5.36 ng/u1

response 158612

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	16.73
277.00	21.80	29.98#
0.00	0.00	0.00

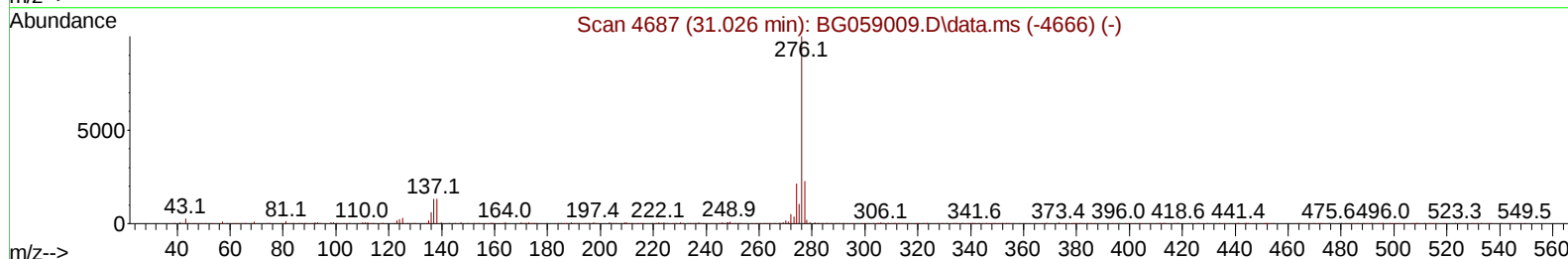
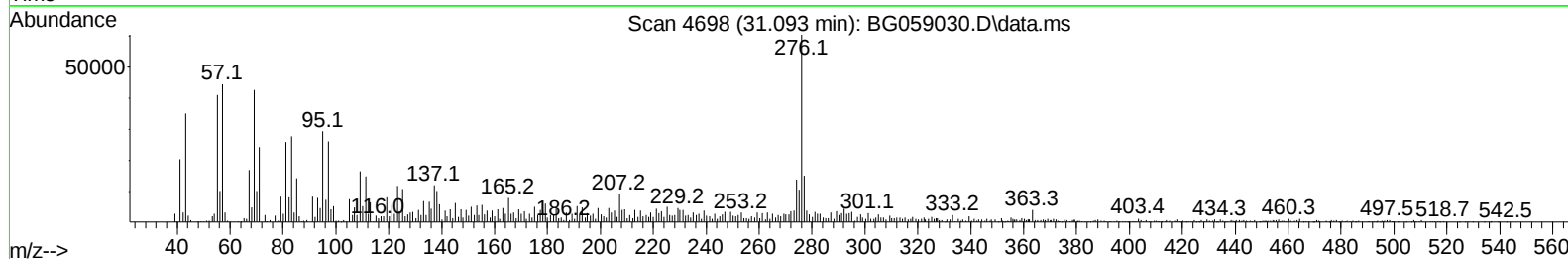
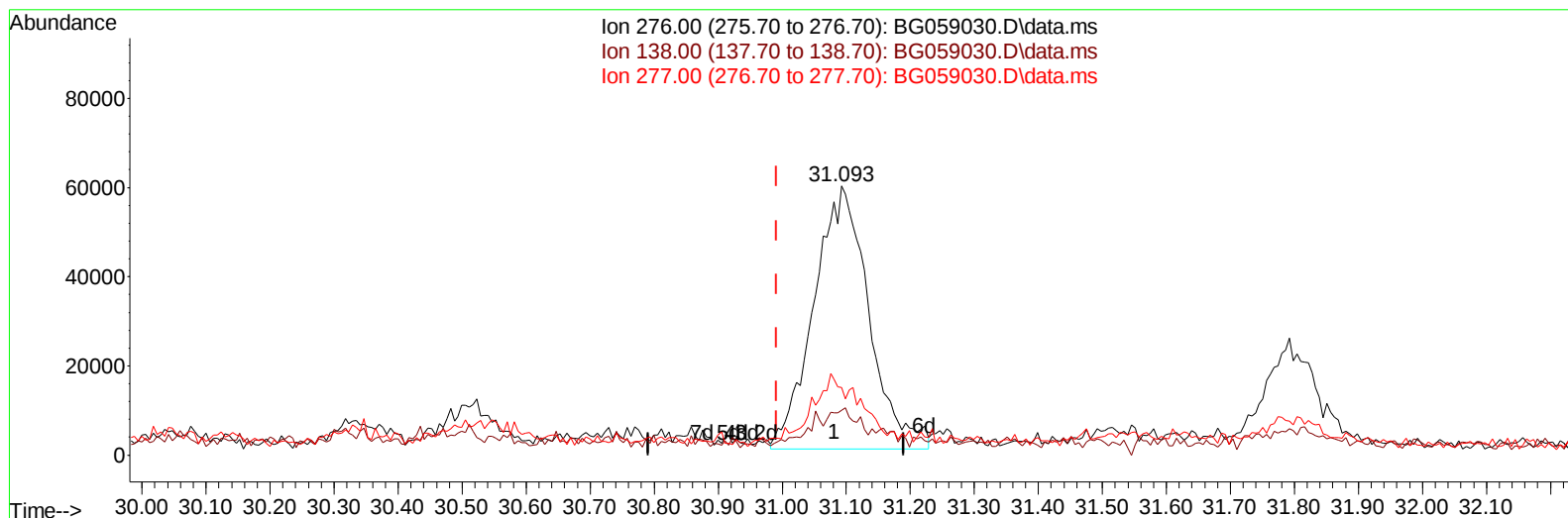
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:34:54 2023
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TIC: BG059030.D\data.ms

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

31.093min (+ 0.102) 11.88 ng/ul m

response 351529

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	16.70
277.00	21.80	25.11
0.00	0.00	0.00

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 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 13 05:35:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	84135	20.000	ng/ul	0.00
20) Naphthalene-d8	11.157	136	378382	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.941	164	238739	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.691	188	515638	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.039	240	433425	20.000	ng/ul	# 0.03
88) Perylene-d12	25.629	264	532460	20.000	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.625	96	6125m	3.094	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.427	99	163974	19.327	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.632	67	94005	18.896	ng/ul	0.00
11) 2-Chlorophenol-d4	7.832	132	110923	20.385	ng/ul	0.00
15) 4-Methylphenol-d8	8.995	113	128871	19.661	ng/ul	0.00
21) Nitrobenzene-d5	9.512	128	62949	22.935	ng/ul	0.00
24) 2-Nitrophenol-d4	10.229	143	68281	22.673	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.752	165	139685	21.824	ng/ul	0.00
31) 4-Chloroaniline-d4	11.298	131	86251	10.021	ng/ul	0.00
46) Dimethylphthalate-d6	14.336	166	451261	24.368	ng/ul	0.00
49) Acenaphthylene-d8	14.642	160	534150	25.902	ng/ul	0.00
54) 4-Nitrophenol-d4	15.106	143	43758	14.225	ng/ul	0.00
60) Fluorene-d10	15.928	176	415643	25.291	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.034	200	37727	14.905	ng/ul	0.00
73) Anthracene-d10	17.791	188	626257	27.359	ng/ul	0.00
81) Pyrene-d10	20.071	212	637644	27.772	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.382	264	677528	25.958	ng/ul	0.06
Target Compounds						
					Qvalue	
16) Acetophenone	9.160	105	79538	7.319	ng/ul	99
30) Naphthalene	11.204	128	123063	6.170	ng/ul	95
36) 2-Methylnaphthalene	12.791	142	95909	6.444	ng/ul	91
37) 1-Methylnaphthalene	13.008	142	119680	8.153	ng/ul#	94
43) 1,1'-Biphenyl	13.778	154	21708	1.216	ng/ul#	91
50) Acenaphthylene	14.677	152	153481	6.827	ng/ul	98
52) Acenaphthene	15.006	153	70231	4.655	ng/ul	95
56) Dibenzofuran	15.335	168	86428	3.955	ng/ul	95
61) Fluorene	15.987	166	294035	16.371	ng/ul#	96
72) Phenanthrene	17.738	178	1501478	57.374	ng/ul	98
74) Anthracene	17.832	178	555417	20.882	ng/ul	99
77) Carbazole	18.096	167	53784	2.415	ng/ul#	61
78) Di-n-butylphthalate	18.608	149	37323	1.512	ng/ul#	48
80) Fluoranthene	19.736	202	1832071	68.714	ng/ul#	97
82) Pyrene	20.100	202	1419618	51.216	ng/ul	97
85) Benzo(a)anthracene	22.009	228	1001751	34.464	ng/ul#	89
87) Chrysene	22.086	228	903007	33.418	ng/ul#	86
90) Benzo(b)fluoranthene	24.471	252	1030507	32.489	ng/ul#	86
91) Benzo(k)fluoranthene	24.536	252	398223m	12.285	ng/ul	
93) Benzo(a)pyrene	25.458	252	590507	19.954	ng/ul#	81
94) Indeno(1,2,3-cd)pyrene	29.783	276	428274m	11.453	ng/ul	
95) Dibenzo(a,h)anthracene	29.824	278	154509m	4.987	ng/ul	
96) Benzo(g,h,i)perylene	31.093	276	351529m	11.877	ng/ul	

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 05:35:23 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.	Q	Ion	Response	Conc	Units	Dev	(Min)

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059030.D
 Acq On : 13 Sep 2023 4:56
 Operator : MA/JU
 Sample : 04175-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK4

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