

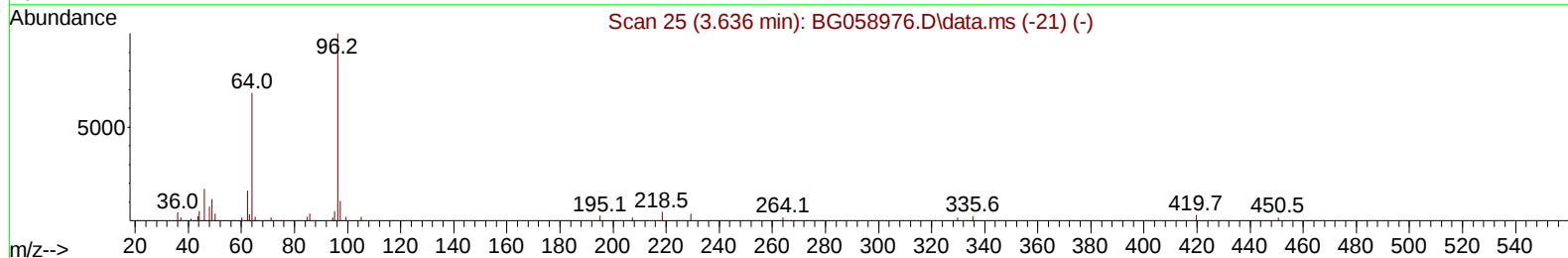
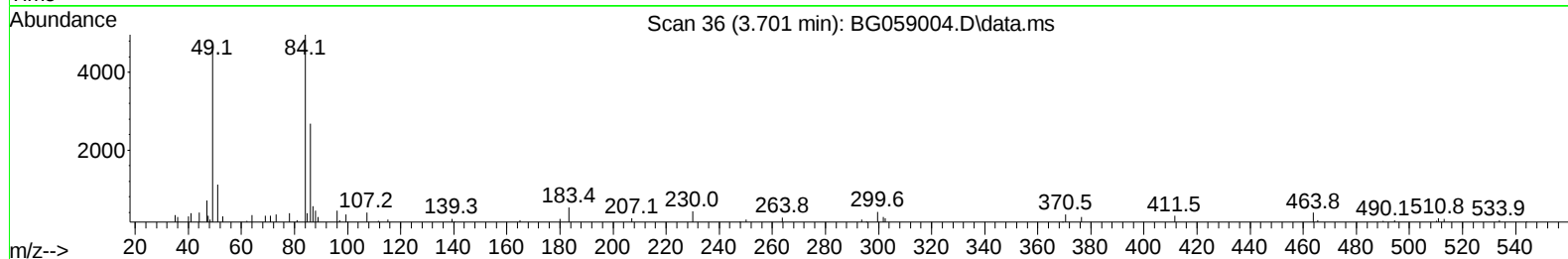
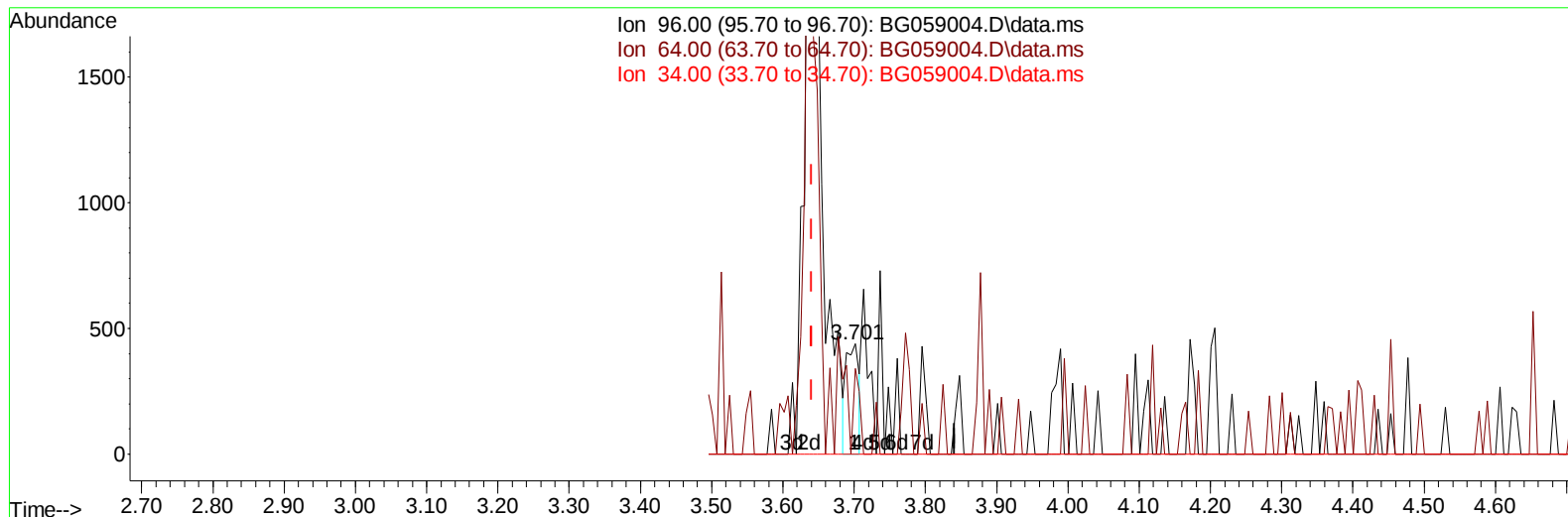
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:10:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

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

3.701min (+ 0.060) 0.21 ng/uL

response 549

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	77.45
34.00	0.00	0.00
0.00	0.00	0.00

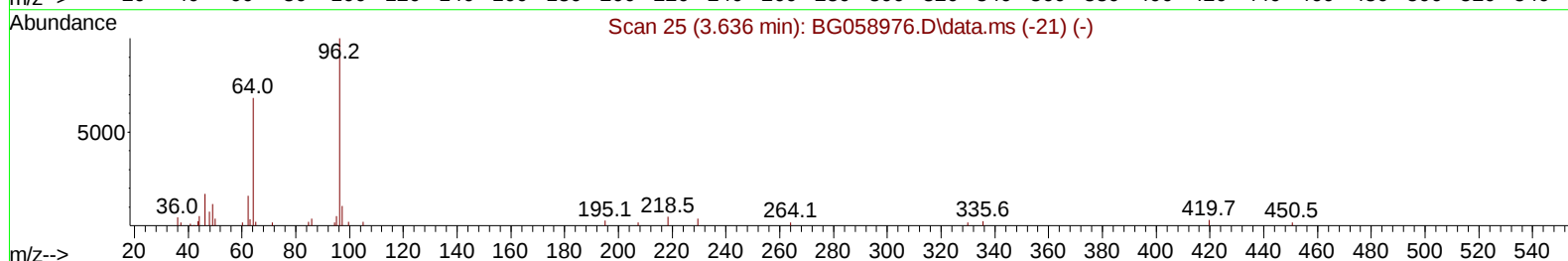
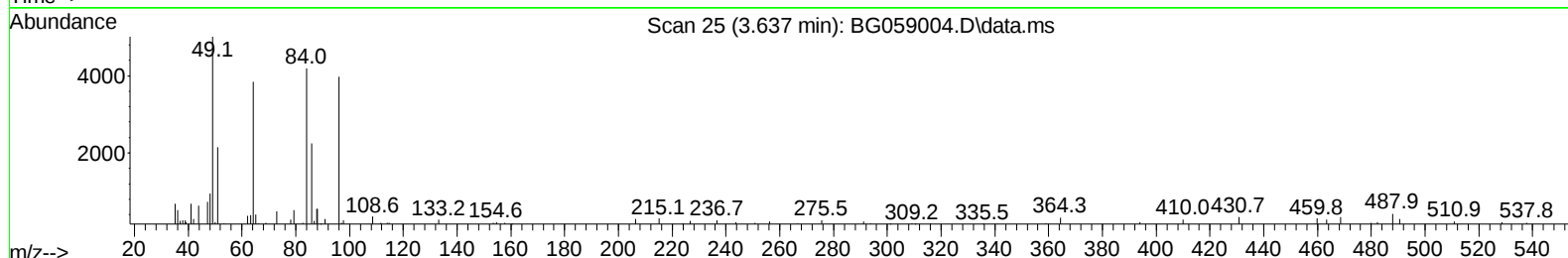
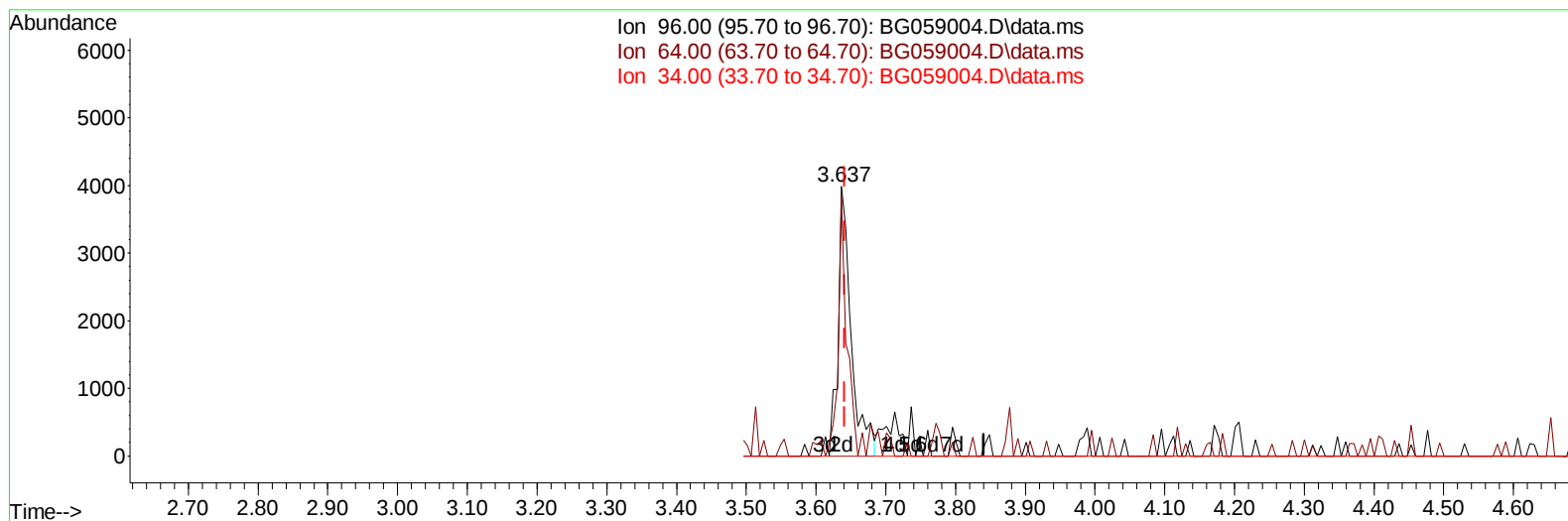
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:10:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

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

3.637min (-0.004) 1.96 ng/uL m

response 5162

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	96.59#
34.00	0.00	0.00
0.00	0.00	0.00

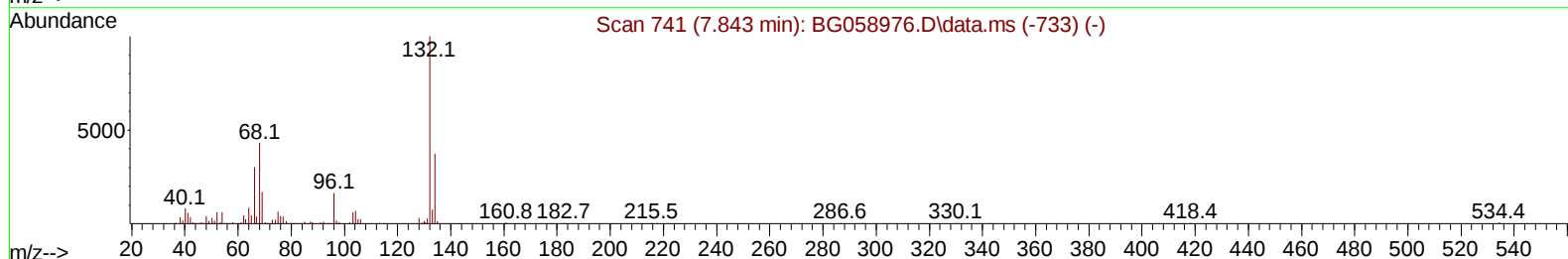
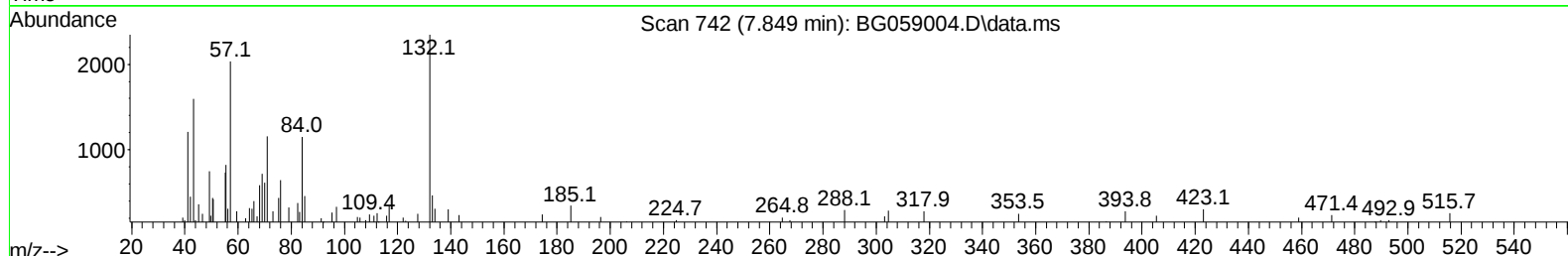
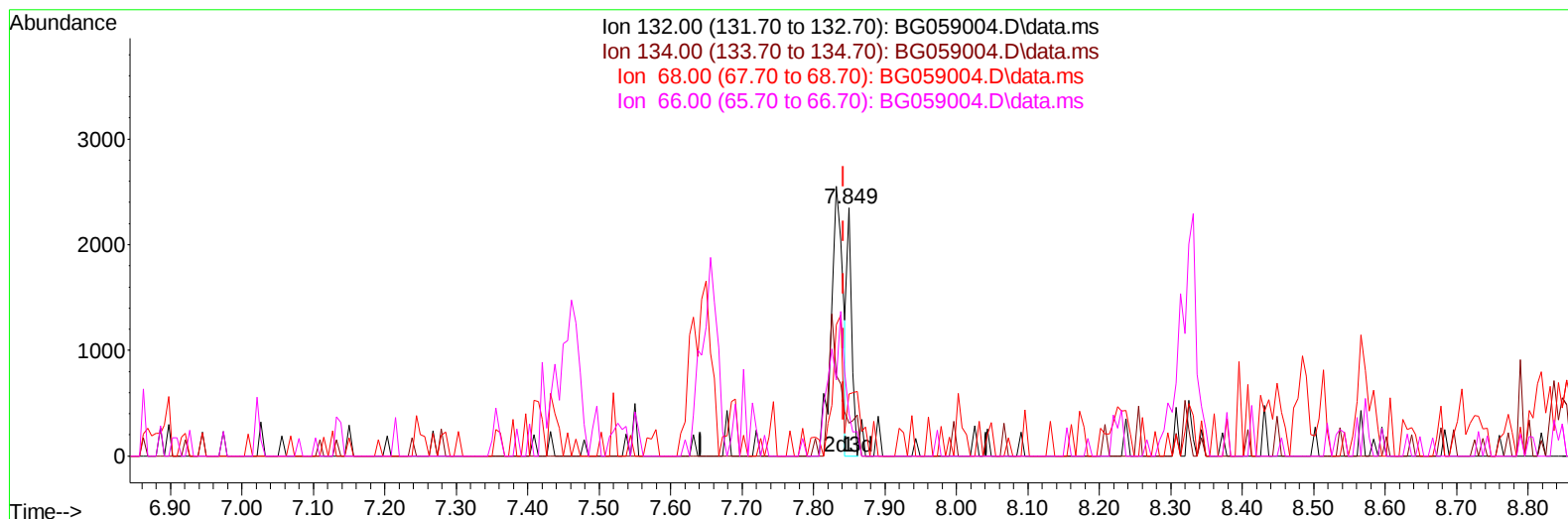
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.849min (+ 0.007) 0.15 ng/u1

response 1104

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	37.60	13.25#
68.00	48.90	25.01#
66.00	34.40	17.04#

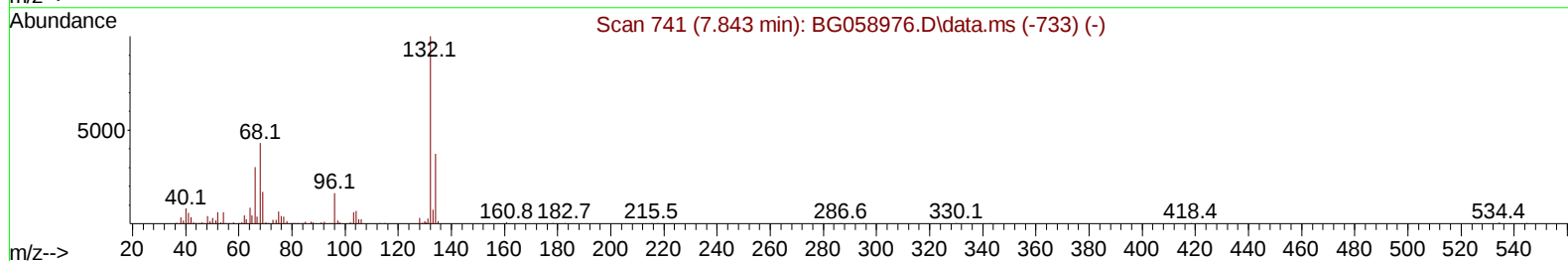
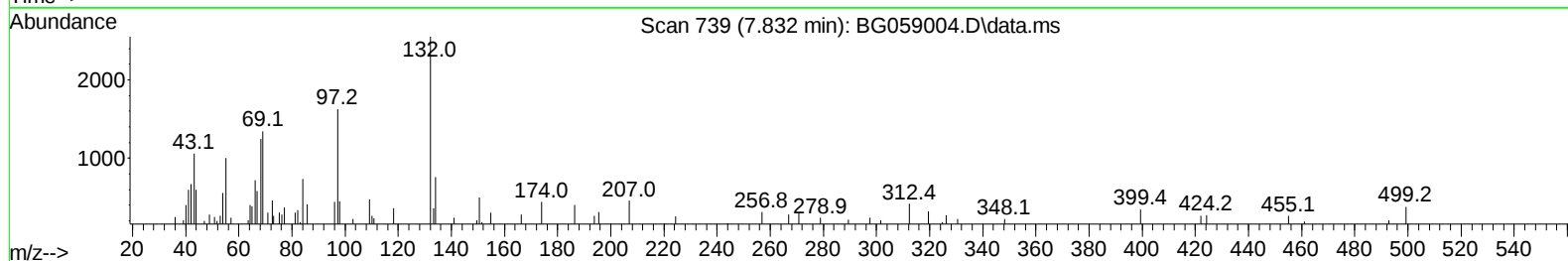
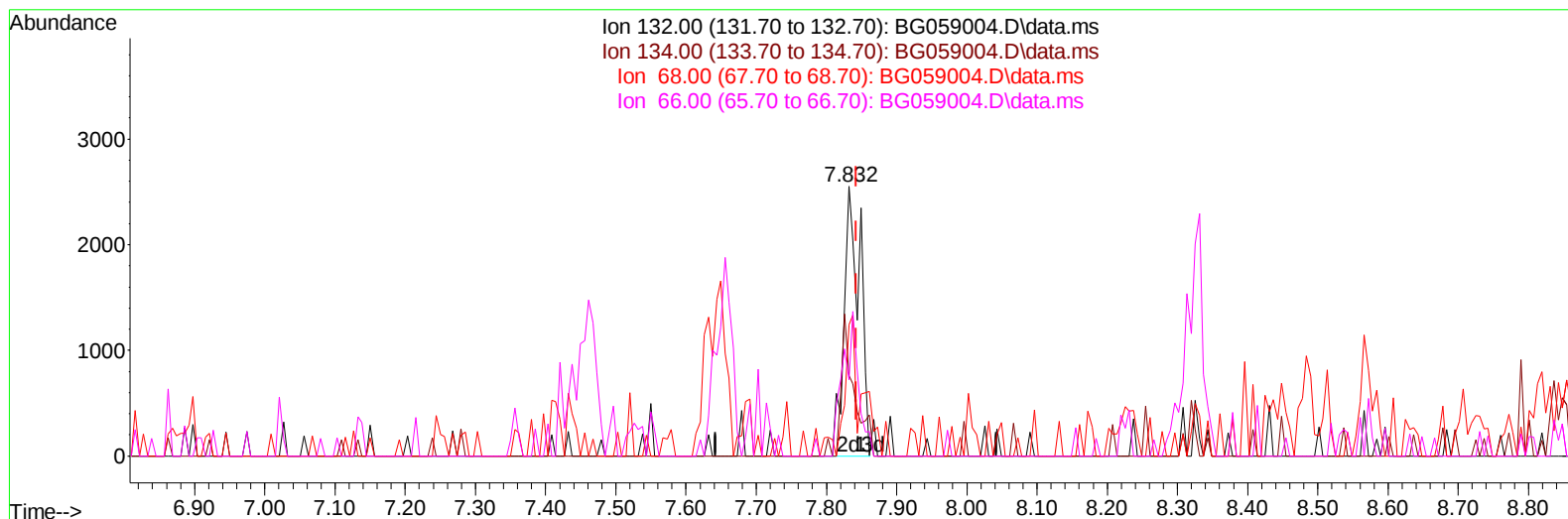
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.832min (-0.011) 0.56 ng/ul m

response 4027

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	37.60	29.75#
68.00	48.90	48.77
66.00	34.40	28.15

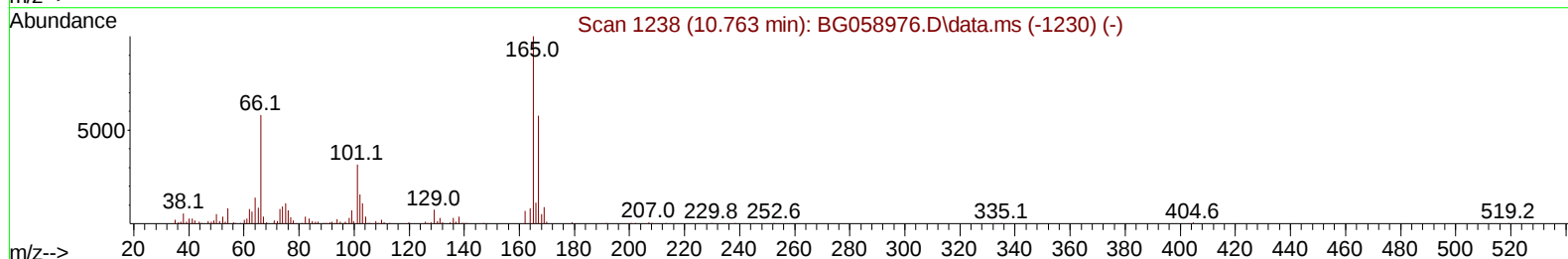
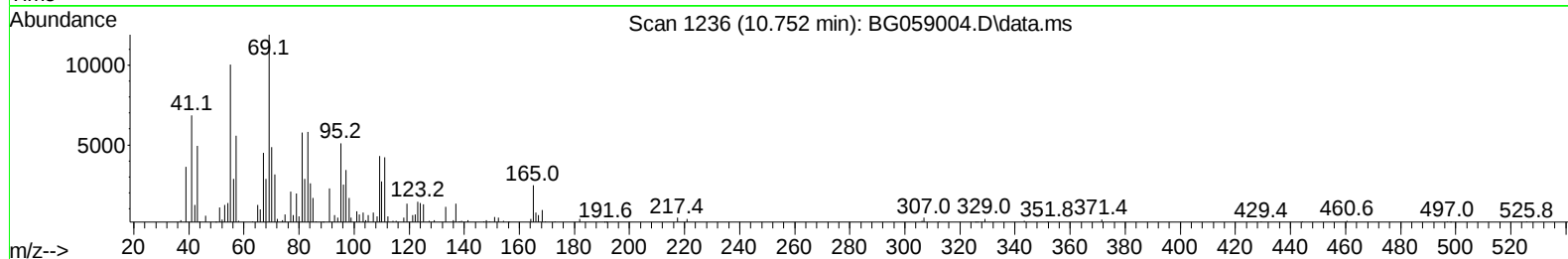
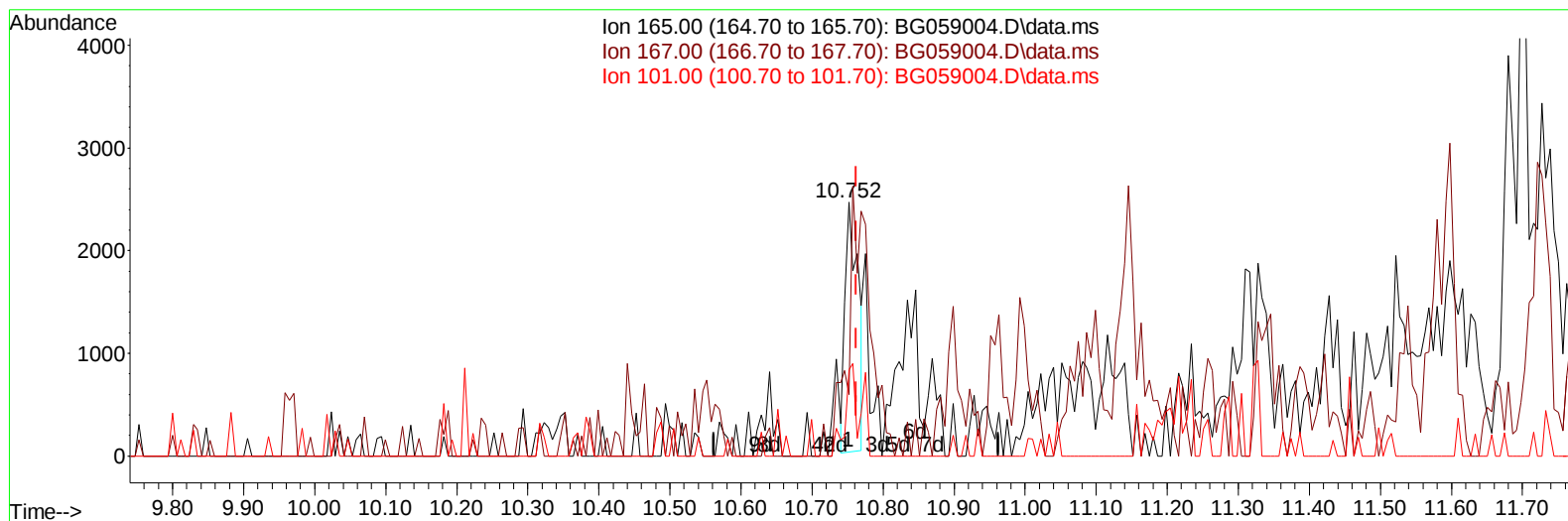
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:12:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.752min (-0.011) 0.41 ng/ul

response 3171

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	68.30	24.13#
101.00	36.30	33.89
0.00	0.00	0.00

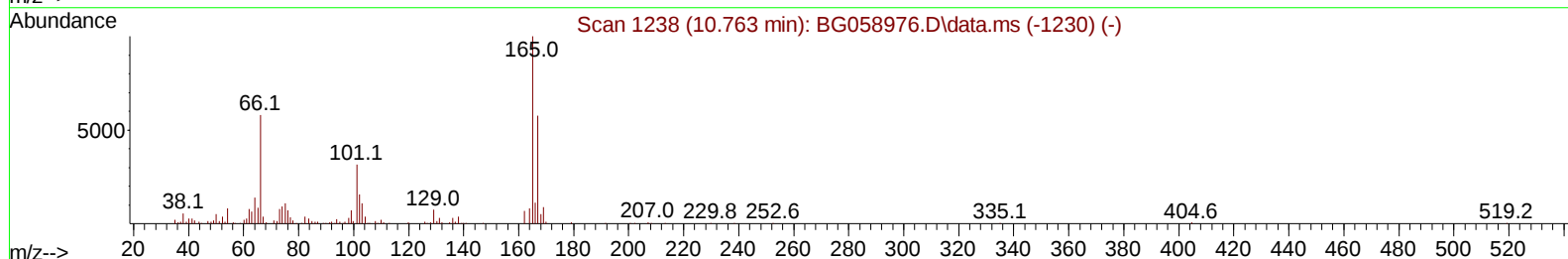
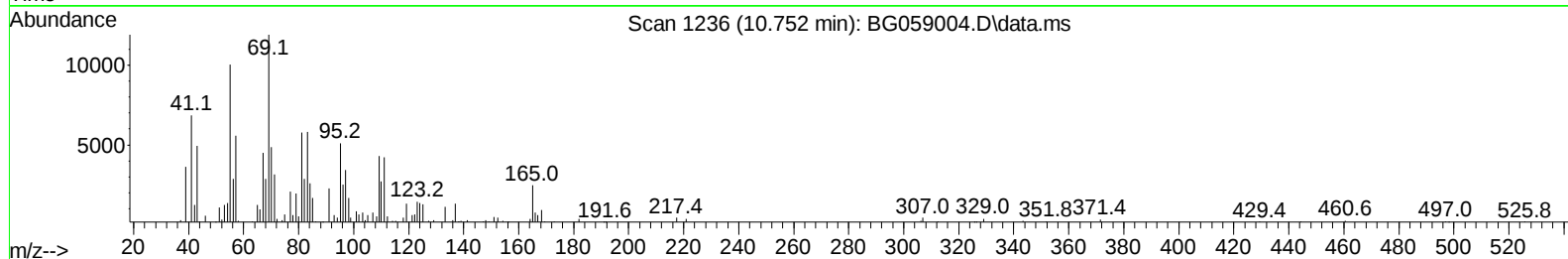
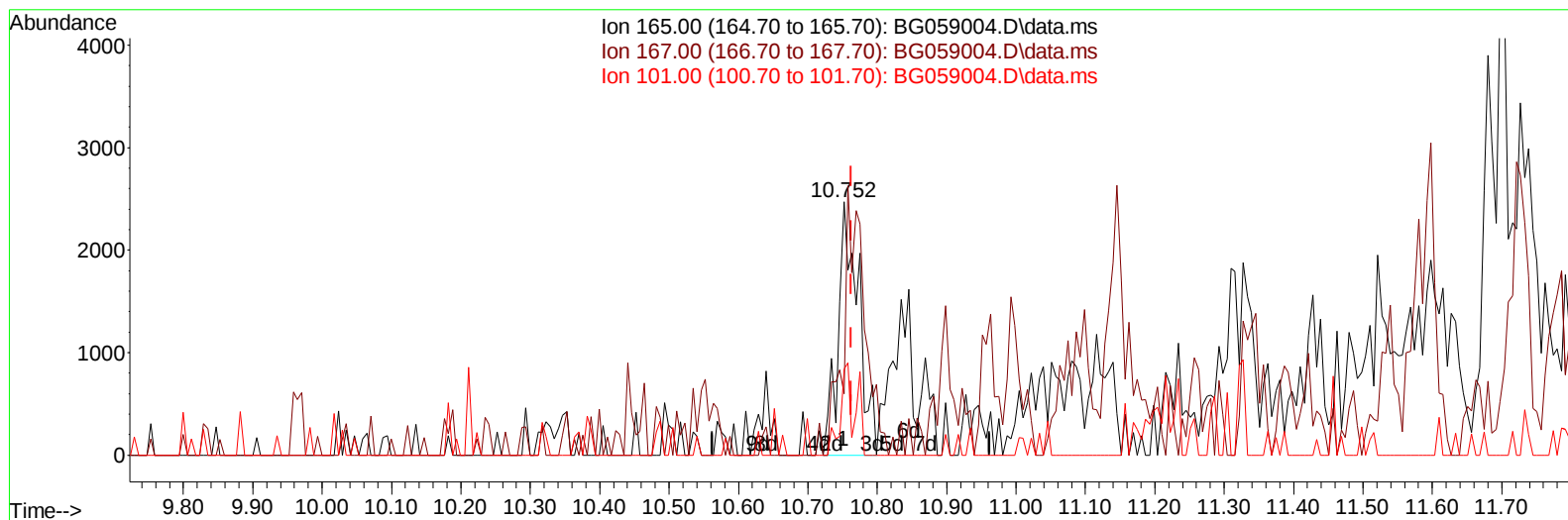
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:12:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.752min (-0.011) 0.65 ng/ul m

response 5056

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	68.30	24.13#
101.00	36.30	33.89
0.00	0.00	0.00

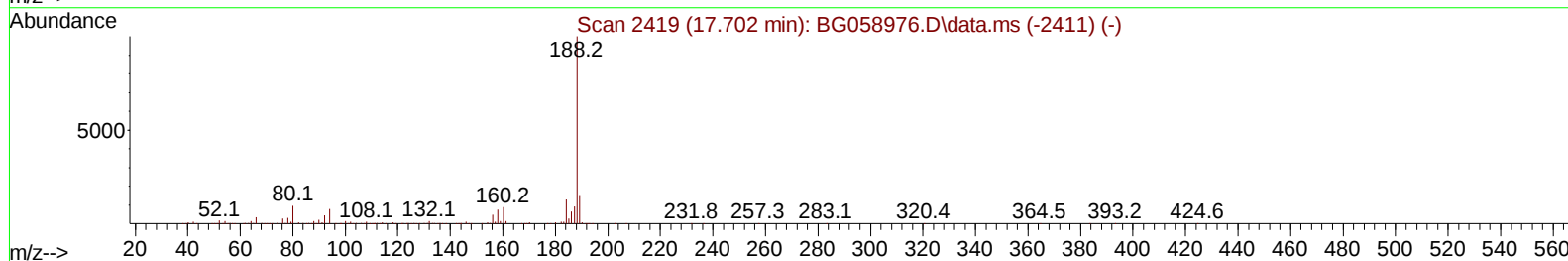
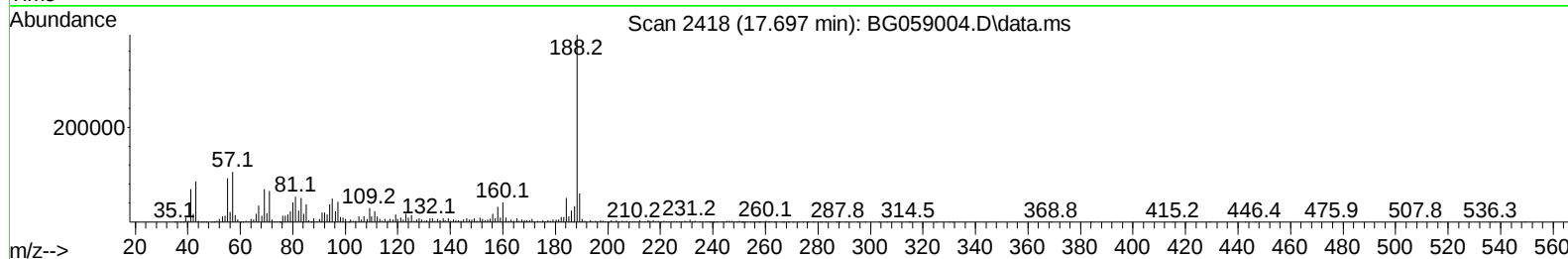
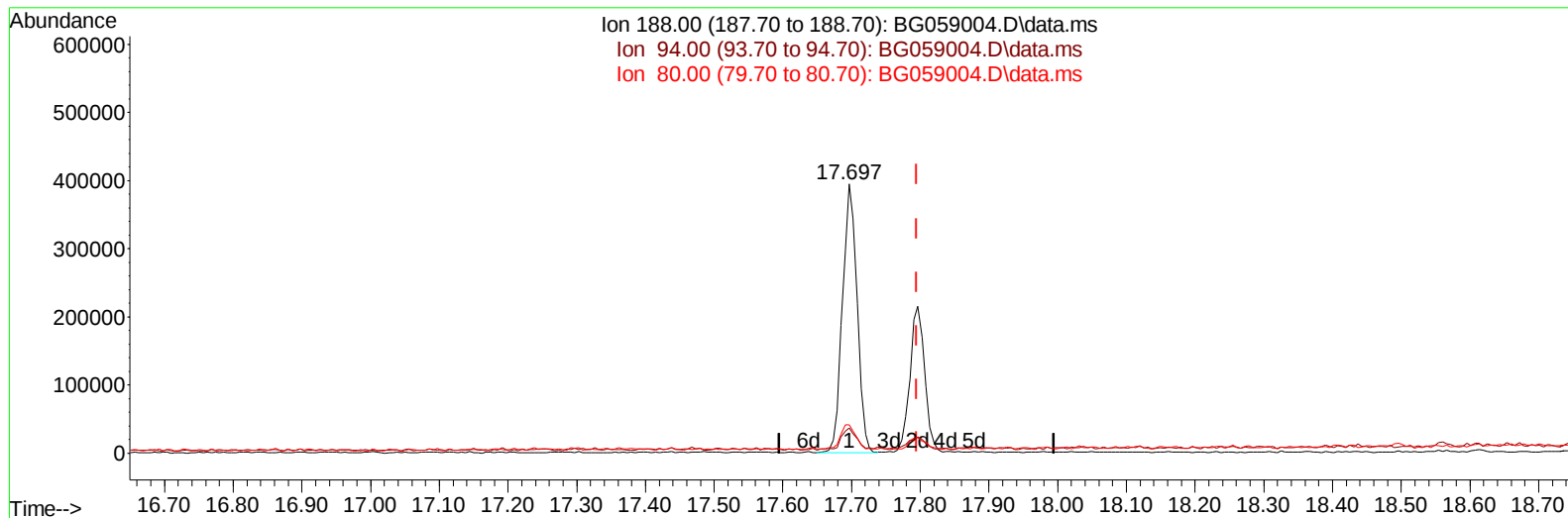
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:12:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(73) Anthracene-d10 (S)

17.697min (-0.099) 22.56 ng/u1

response 583787

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	9.43
80.00	8.80	10.41
0.00	0.00	0.00

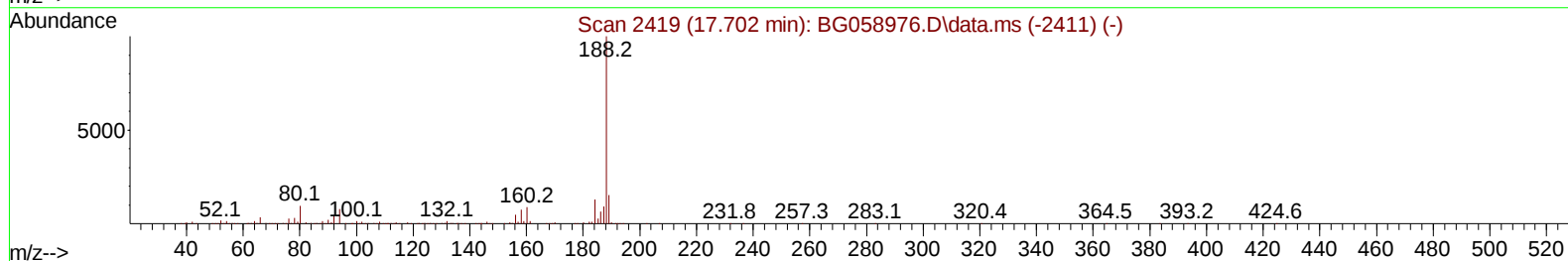
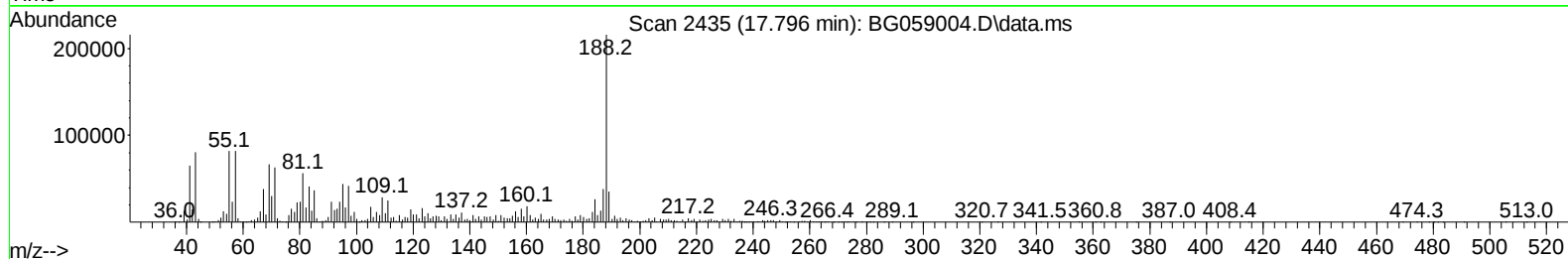
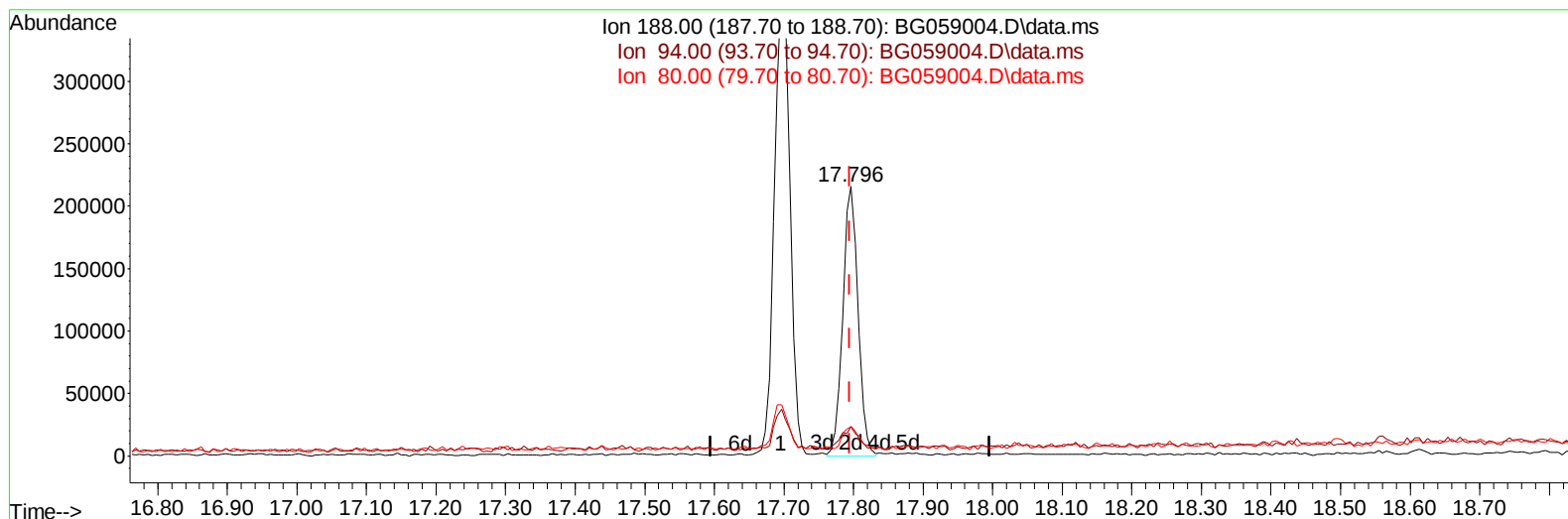
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:12:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(73) Anthracene-d10 (S)

17.796min (+ 0.001) 12.60 ng/ul m

response 325968

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	11.02#
80.00	8.80	10.77#
0.00	0.00	0.00

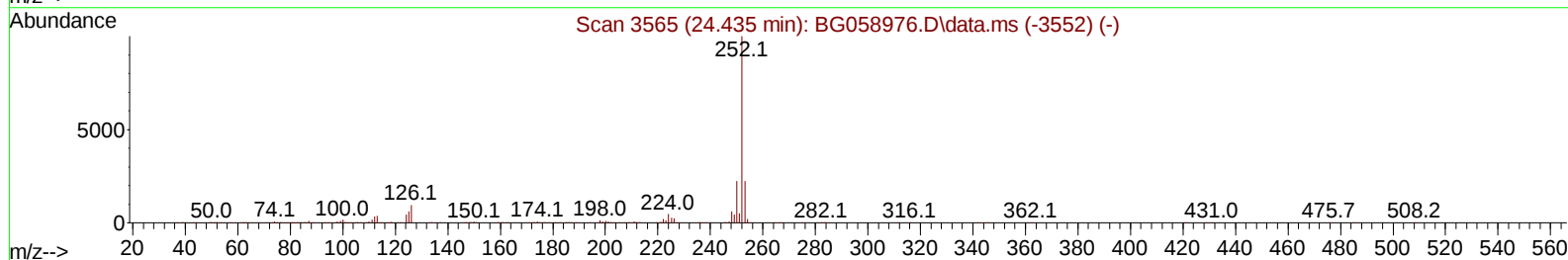
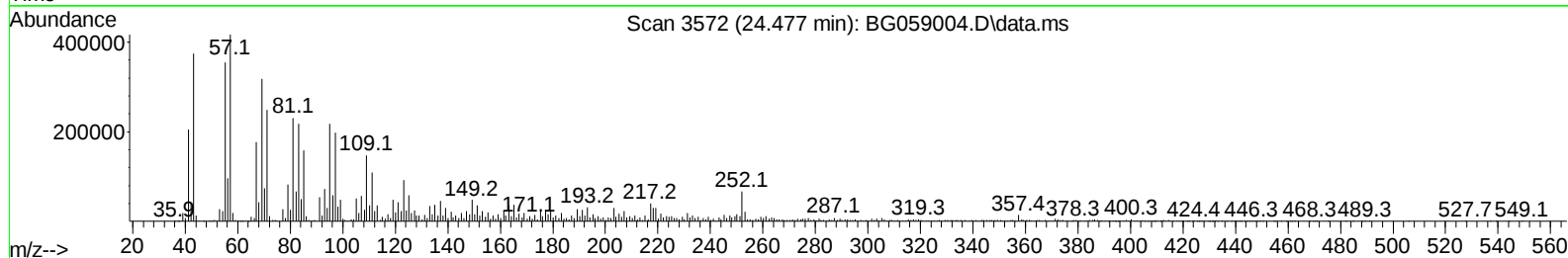
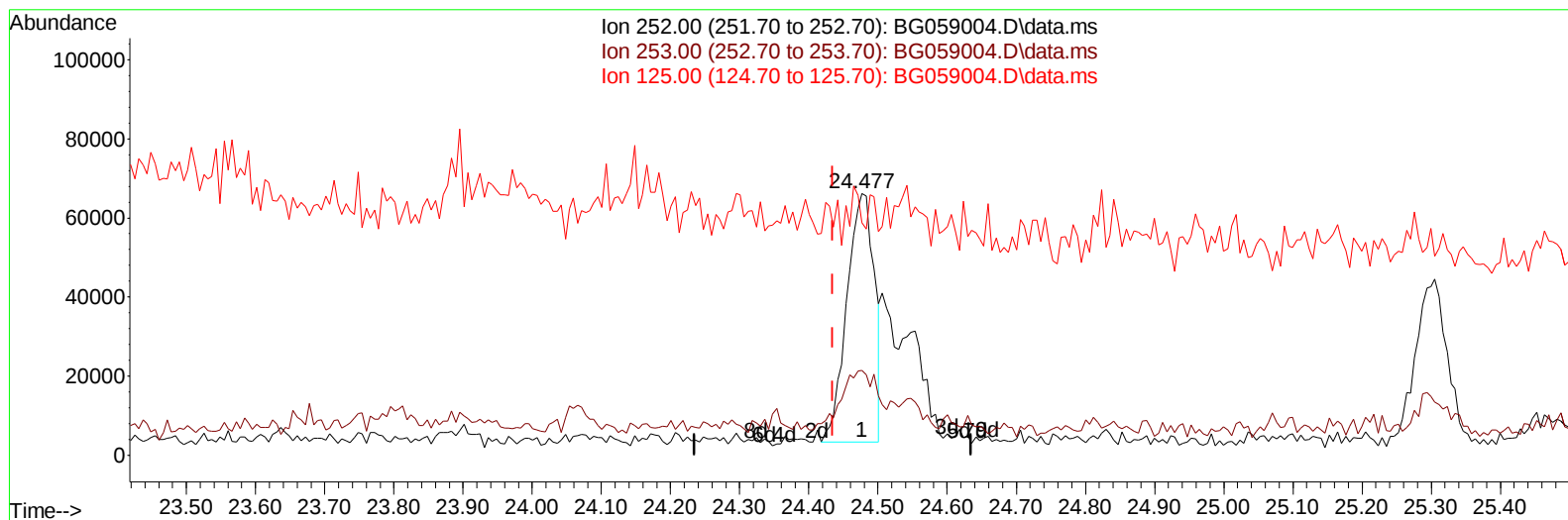
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:14:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(90) Benzo(b)fluoranthene

24.477min (+ 0.042) 5.24 ng/u1

response 173077

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	32.26#
125.00	7.70	88.74#
0.00	0.00	0.00

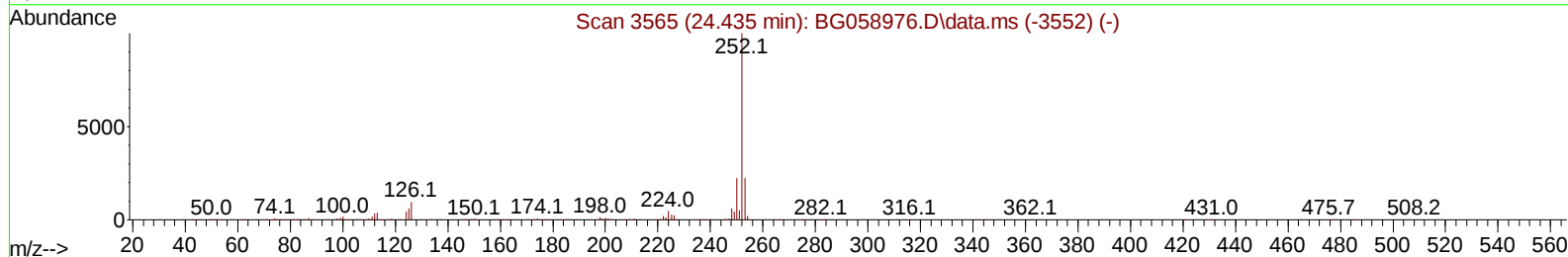
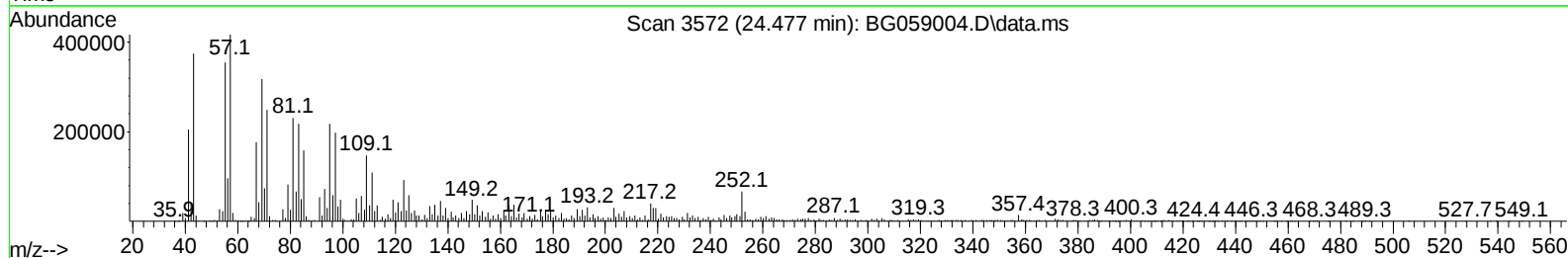
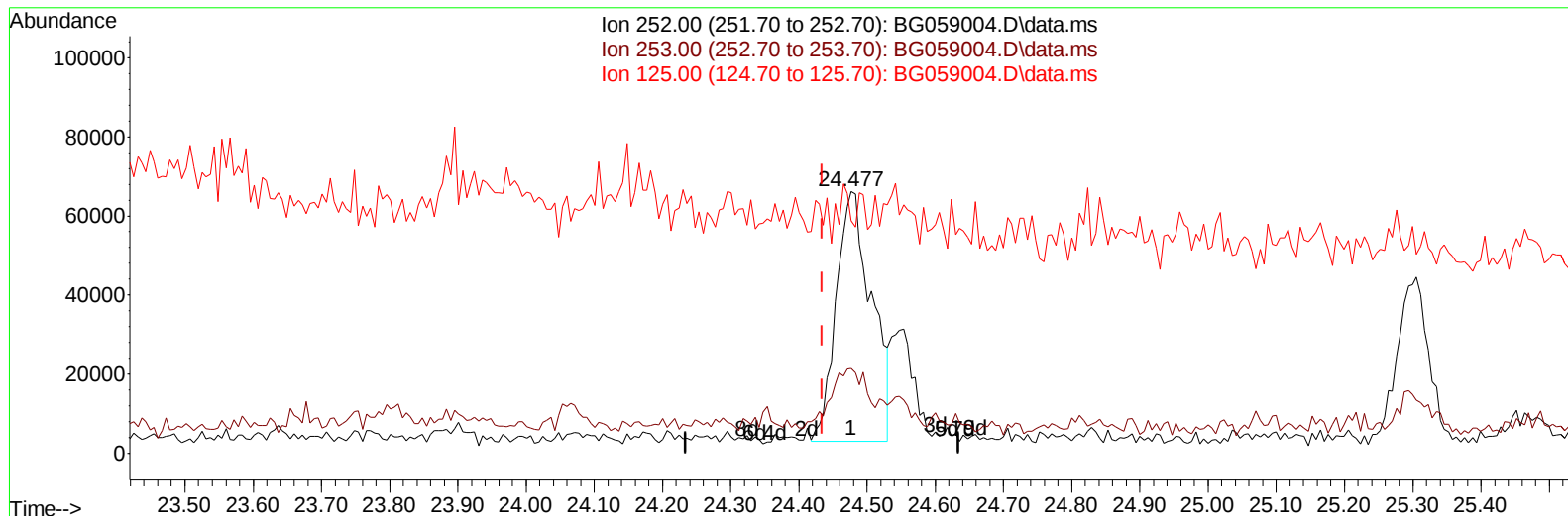
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:14:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(90) Benzo(b)fluoranthene

24.477min (+ 0.042) 6.91 ng/ul m

response 228348

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	32.26#
125.00	7.70	88.74#
0.00	0.00	0.00

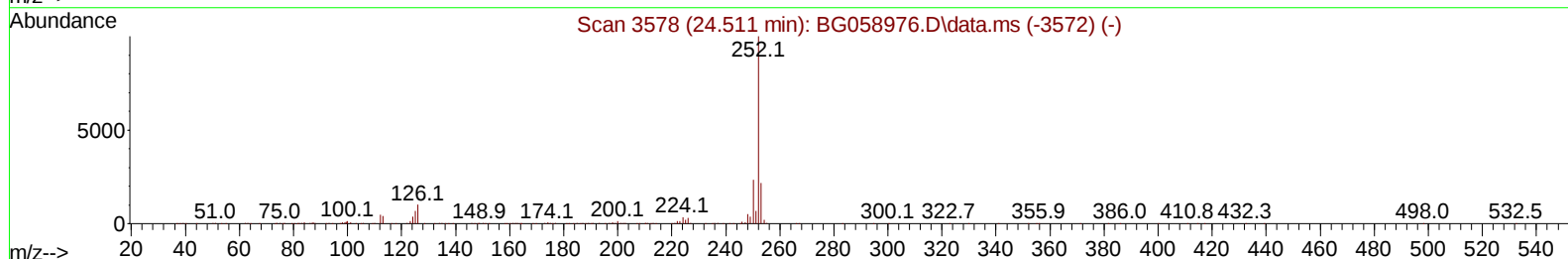
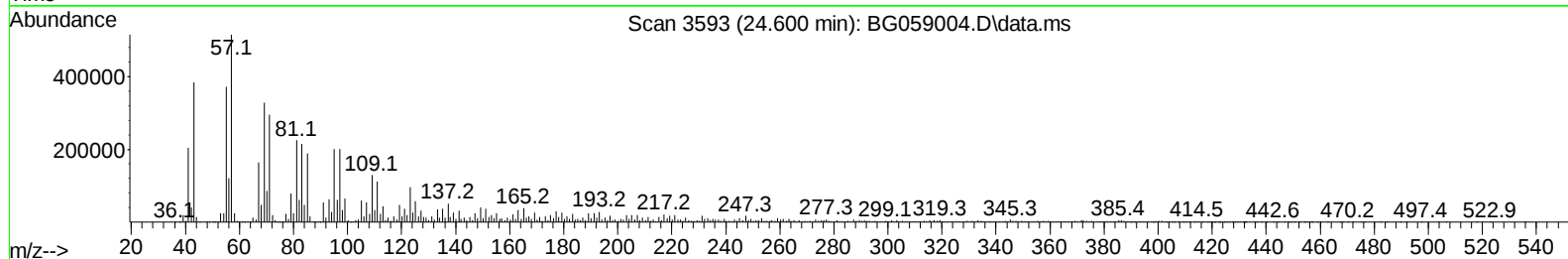
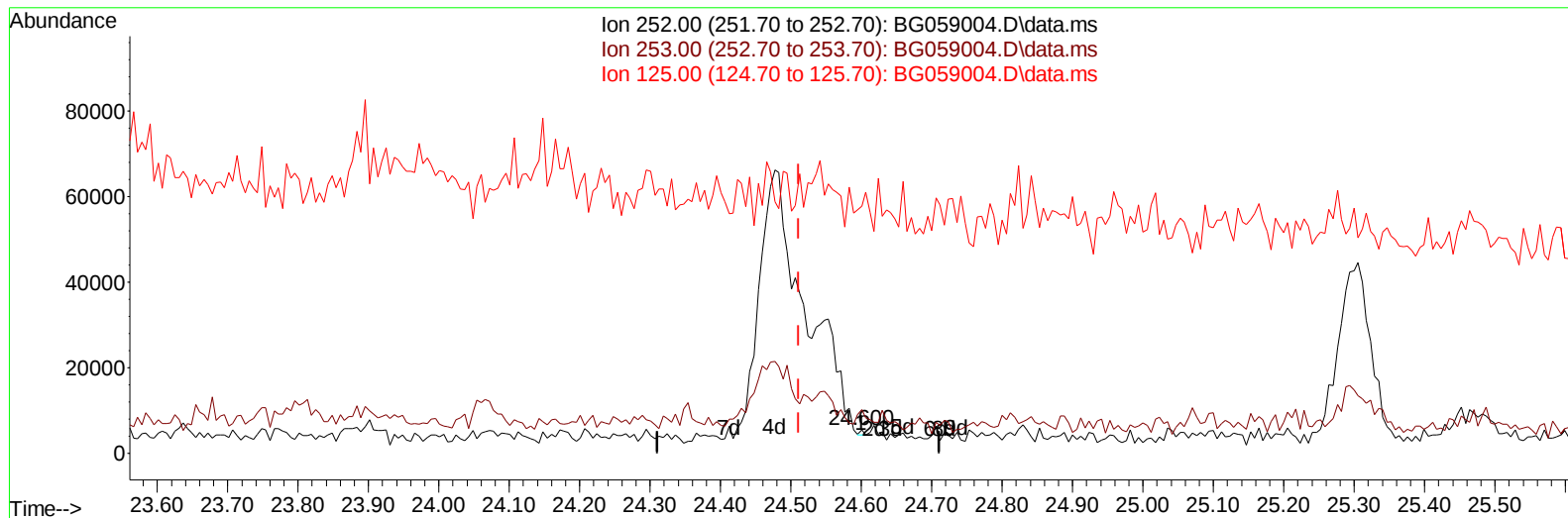
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:14:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(91) Benzo(k)fluoranthene

24.600min (+ 0.089) 0.01 ng/u1

response 422

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	187.06#
125.00	6.20	1064.50#
0.00	0.00	0.00

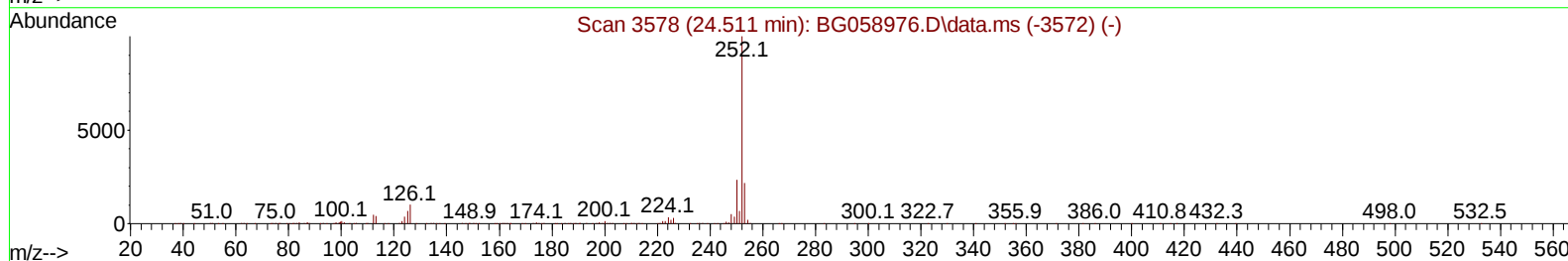
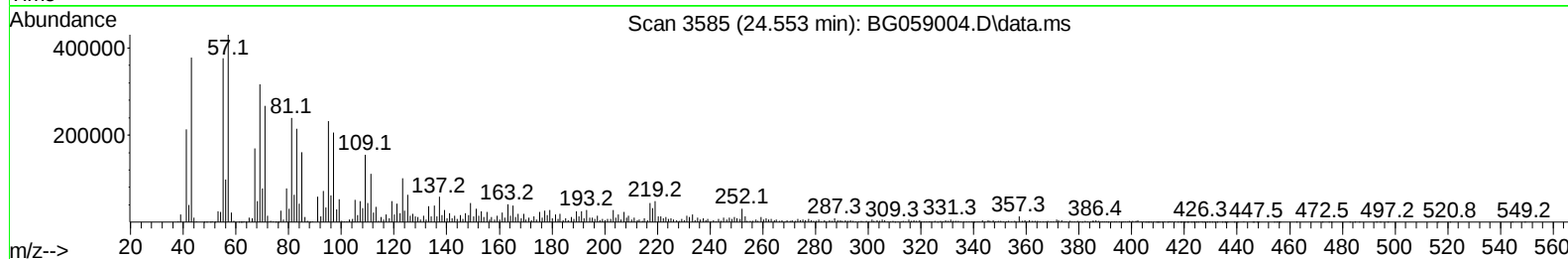
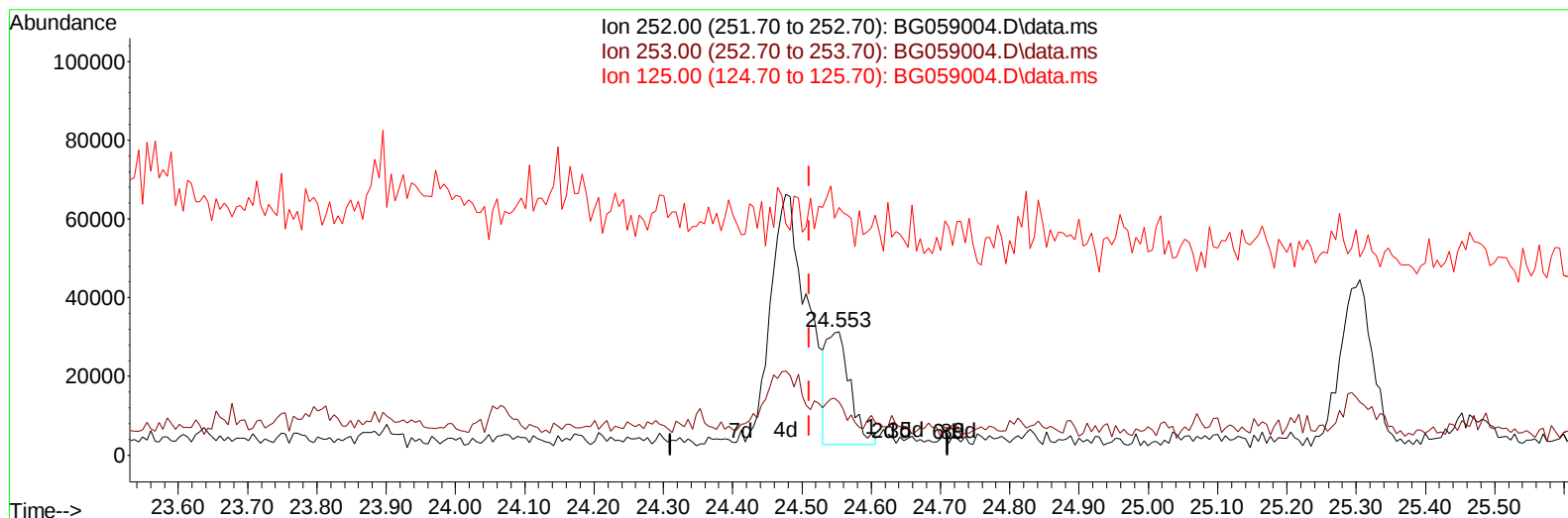
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:14:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

(91) Benzo(k)fluoranthene

24.553min (+ 0.042) 2.01 ng/ul m

response 67917

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	42.79#
125.00	6.20	200.56#
0.00	0.00	0.00

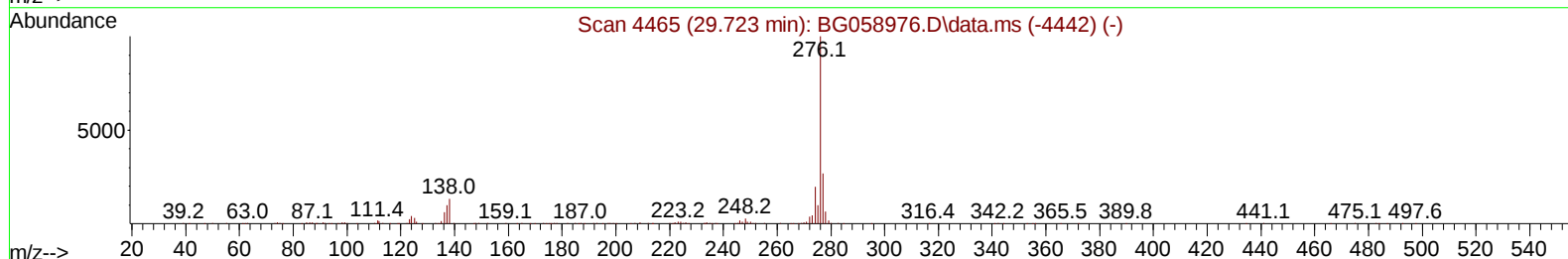
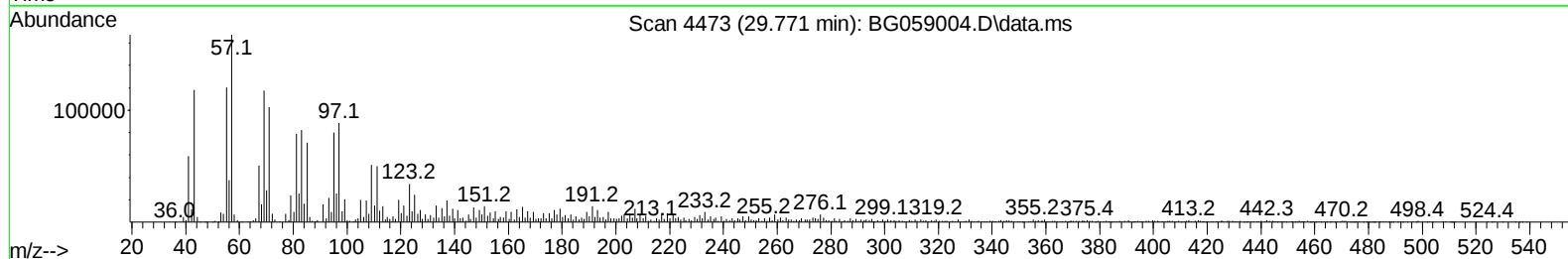
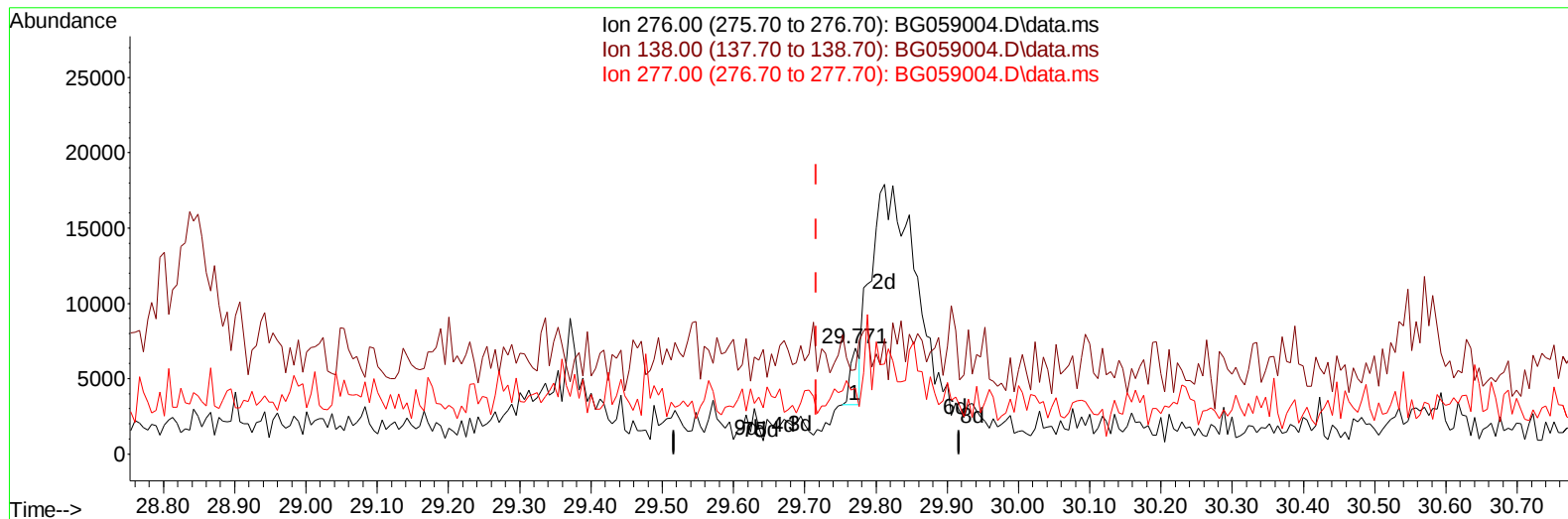
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:15:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

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

29.771min (+ 0.054) 0.09 ng/u1

response 3452

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	79.53#
277.00	25.90	62.34#
0.00	0.00	0.00

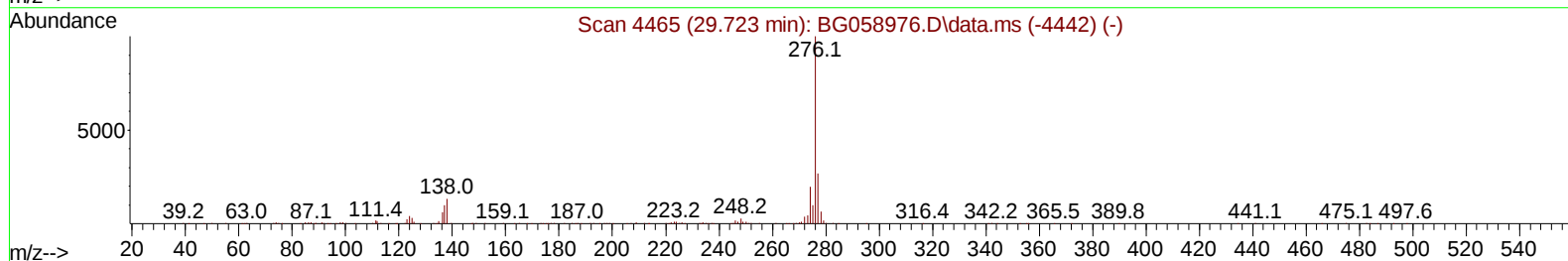
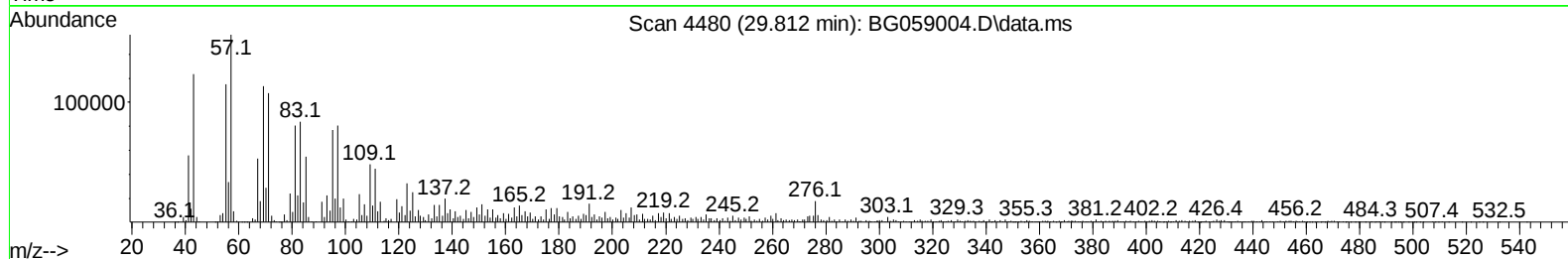
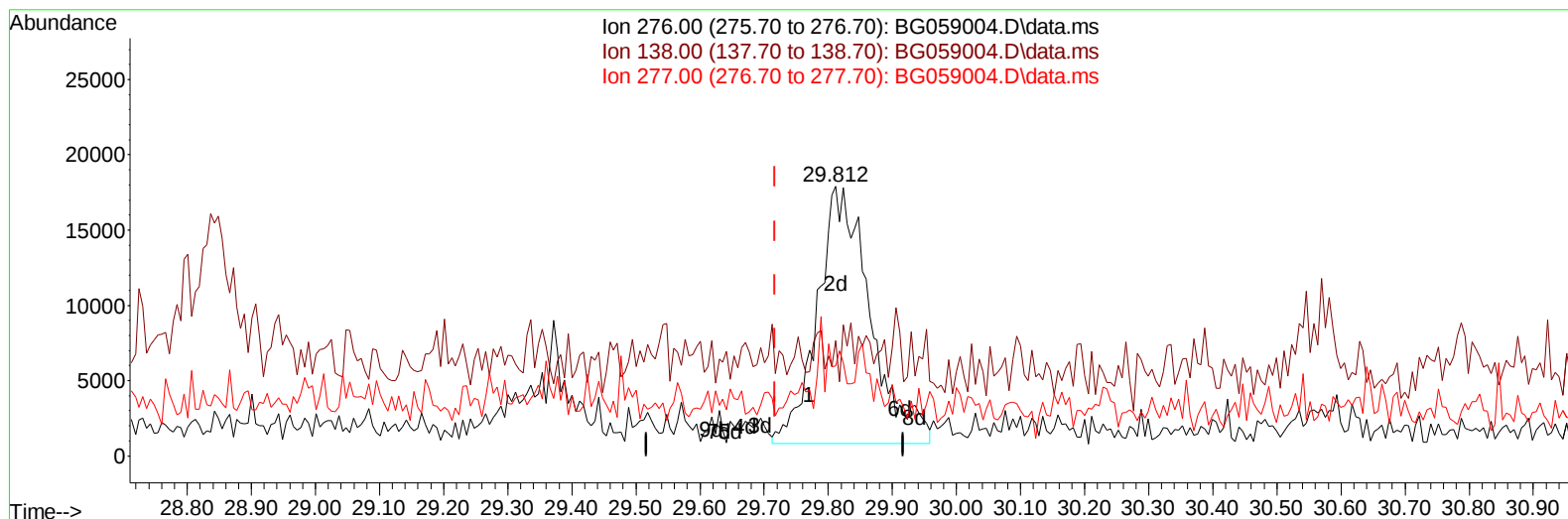
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:15:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

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

29.812min (+ 0.095) 2.51 ng/ul m

response 97785

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	42.86#
277.00	25.90	33.39#
0.00	0.00	0.00

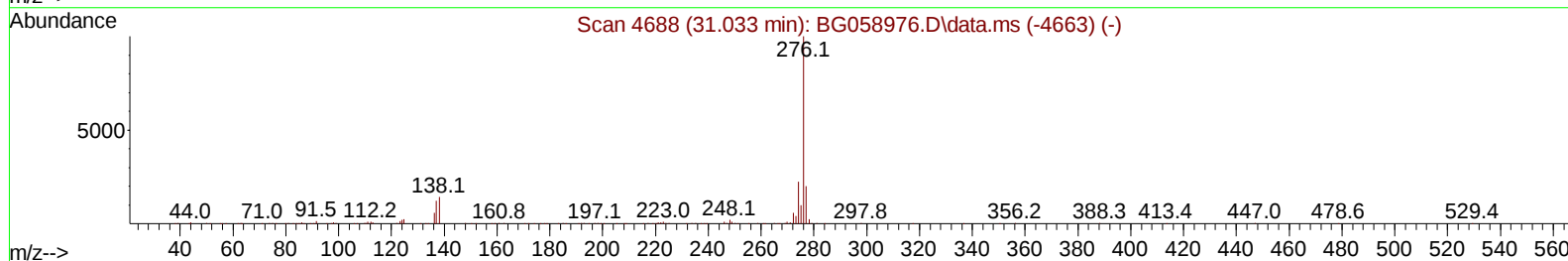
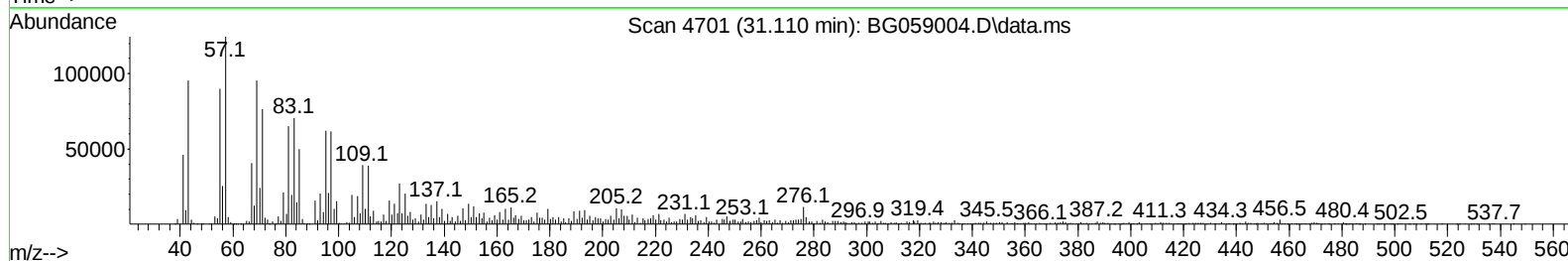
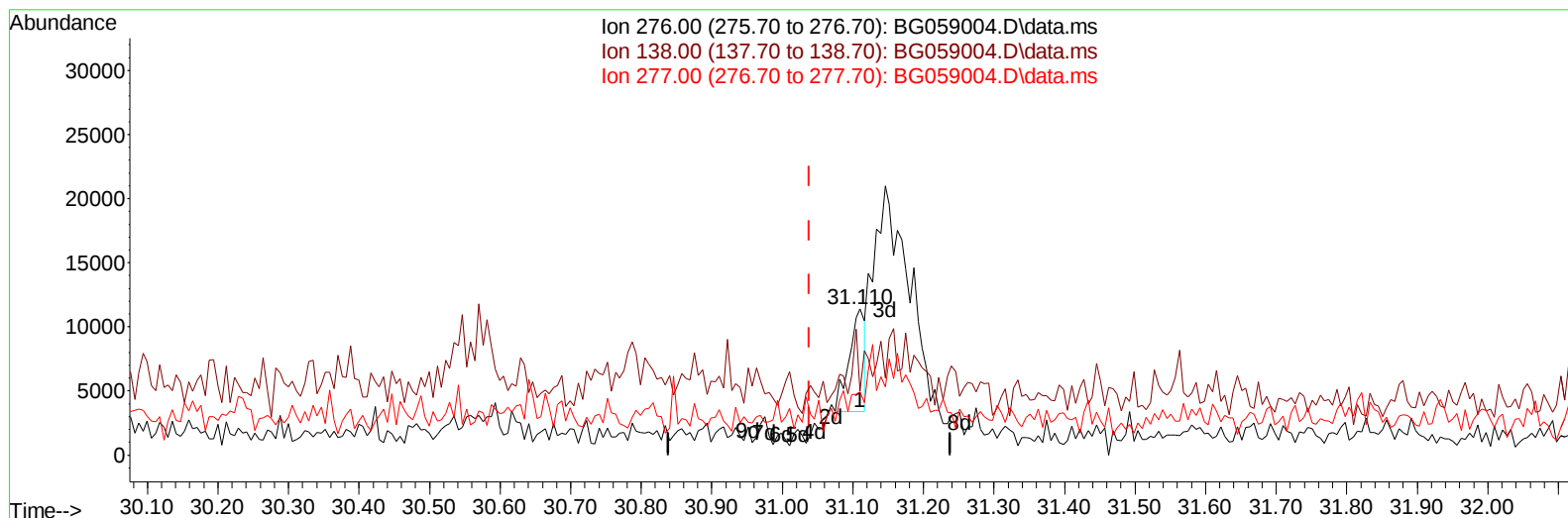
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
Acq On : 12 Sep 2023 6:29
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:16:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 00:07:05 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



TIC: BG059004.D\data.ms

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

31.110min (+ 0.072) 0.41 ng/u1

response 12499

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	43.43#
277.00	21.80	43.29#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual IntegrationsAPPROVED

Quant Time: Sep 12 07:17:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.325	152	112068	20.000	ng/ul	0.00
20) Naphthalene-d8	11.169	136	459622	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.947	164	279735	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.697	188	582902	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.033	240	470279	20.000	ng/ul	# 0.00
88) Perylene-d12	25.646	264	554636	20.000	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.637	96	5162m	1.958	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.432	99	20078	1.777	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.638	67	60875	9.186	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.832	132	4027m	0.556	ng/ul	-0.01
15) 4-Methylphenol-d8	9.007	113	17735	2.031	ng/ul	0.00
21) Nitrobenzene-d5	9.518	128	35390	10.615	ng/ul	0.00
24) 2-Nitrophenol-d4	10.241	143	1681	0.460	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.752	165	5056m	0.650	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.310	131	79376	7.592	ng/ul	0.00
46) Dimethylphthalate-d6	14.342	166	234026	10.785	ng/ul	0.00
49) Acenaphthylene-d8	14.647	160	287589	11.902	ng/ul	0.00
54) 4-Nitrophenol-d4	15.135	143	5650	1.568	ng/ul	0.02
60) Fluorene-d10	15.934	176	228160	11.848	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.028	200	487	0.170	ng/ul	-0.01
73) Anthracene-d10	17.796	188	325968m	12.597	ng/ul	0.00
81) Pyrene-d10	20.070	212	346827	13.922	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.388	264	339769	12.497	ng/ul	0.05
Target Compounds						
					Qvalue	
16) Acetophenone	9.165	105	31401	2.169	ng/ul	95
36) 2-Methylnaphthalene	12.796	142	164007	9.072	ng/ul	95
37) 1-Methylnaphthalene	13.014	142	156824	8.795	ng/ul#	84
43) 1,1'-Biphenyl	13.789	154	36589	1.750	ng/ul	91
72) Phenanthrene	17.738	178	326063	11.022	ng/ul#	95
80) Fluoranthene	19.735	202	379730	13.126	ng/ul	98
82) Pyrene	20.100	202	248112	8.250	ng/ul#	96
85) Benzo(a)anthracene	22.009	228	50967	1.616	ng/ul#	62
87) Chrysene	22.086	228	208524	7.112	ng/ul#	85
90) Benzo(b)fluoranthene	24.477	252	228348m	6.911	ng/ul	
91) Benzo(k)fluoranthene	24.553	252	67917m	2.012	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.812	276	97785m	2.511	ng/ul	
96) Benzo(g,h,i)perylene	31.146	276	107563m	3.489	ng/ul	

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

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