

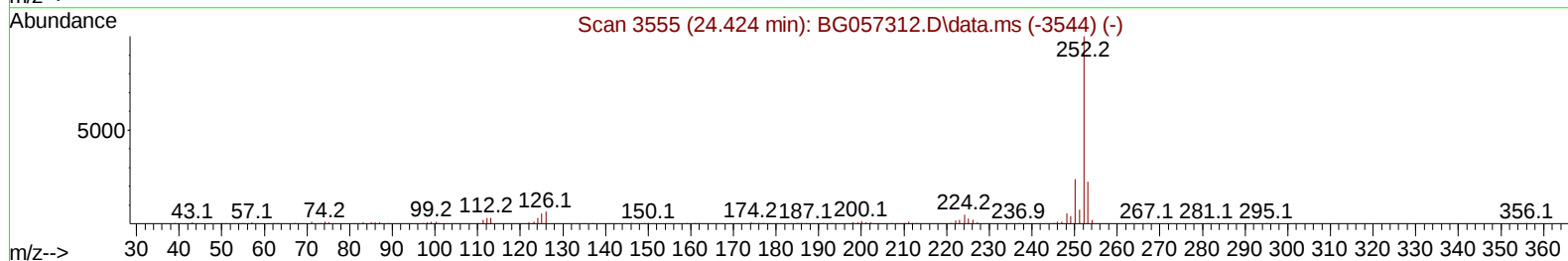
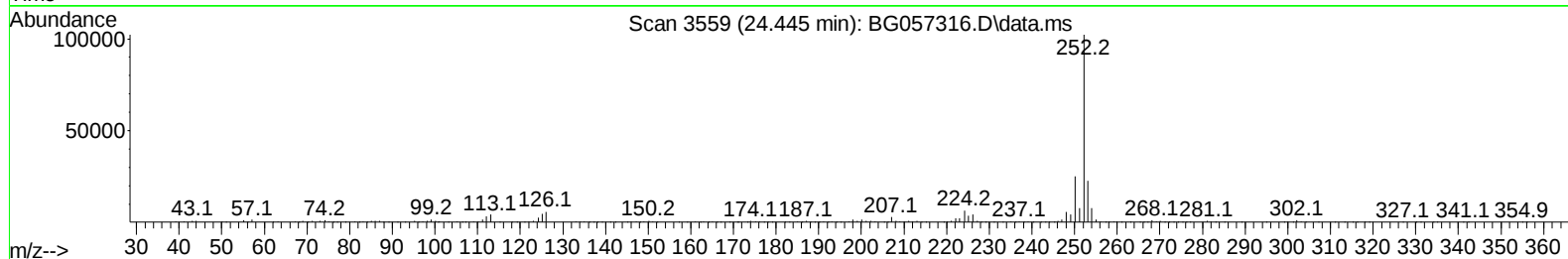
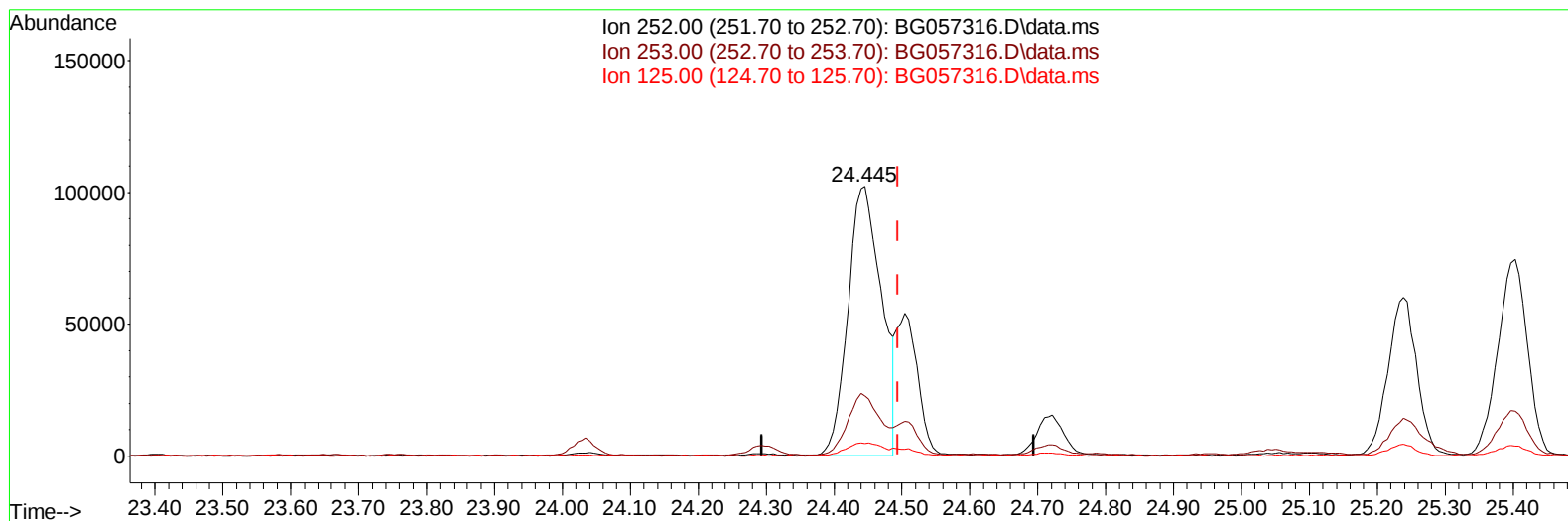
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:29:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057316.D\data.ms

(91) Benzo(k)fluoranthene

24.445min (-0.049) 51.62 ng/u1

response 351719

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	22.27
125.00	5.60	4.63
0.00	0.00	0.00

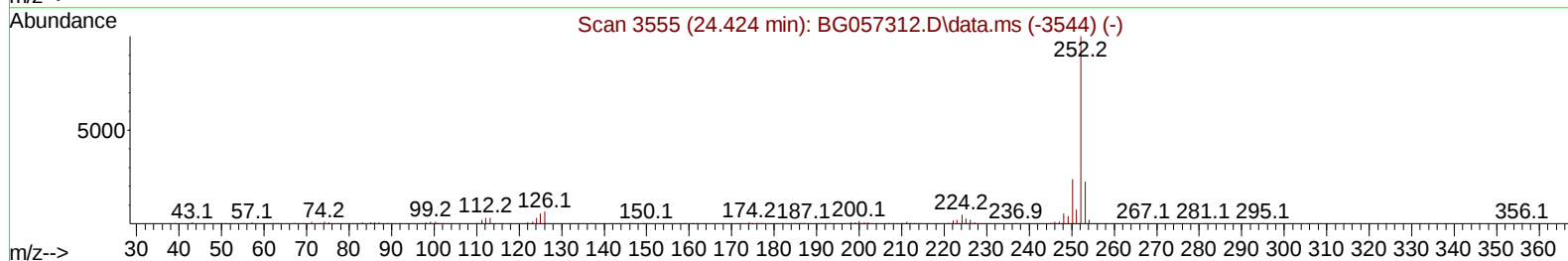
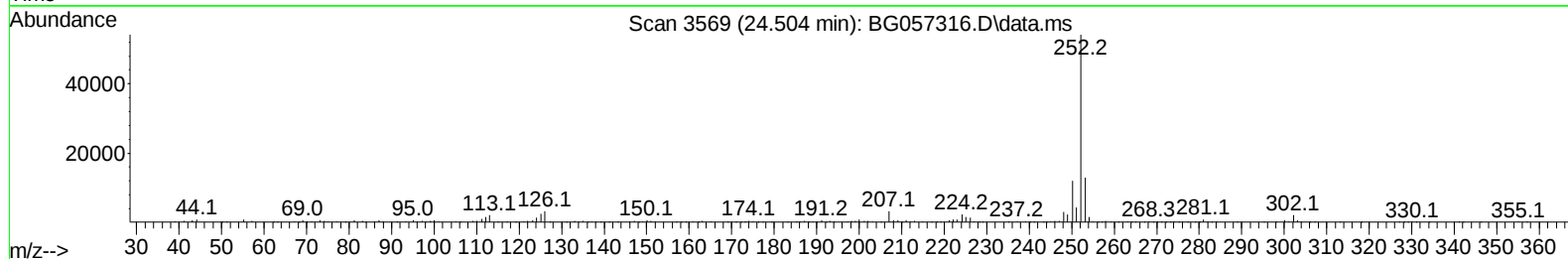
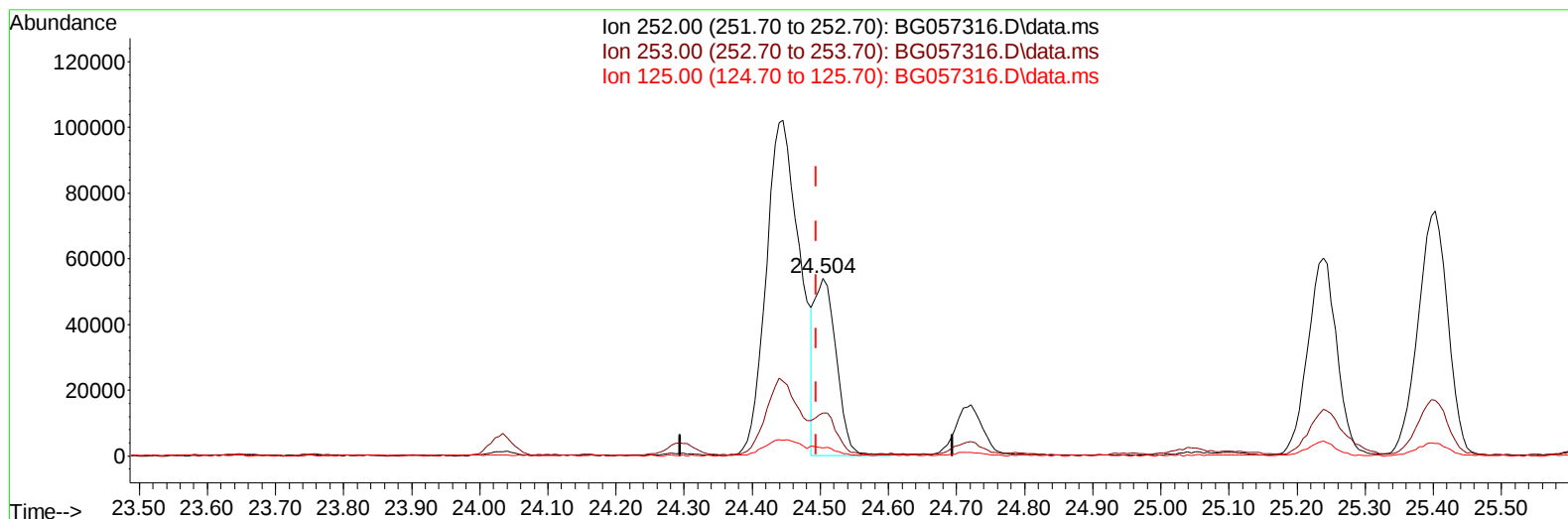
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:29:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057316.D\data.ms

(91) Benzo(k)fluoranthene

24.504min (+ 0.010) 17.20 ng/ul m

response 117220

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	24.11
125.00	5.60	4.55
0.00	0.00	0.00

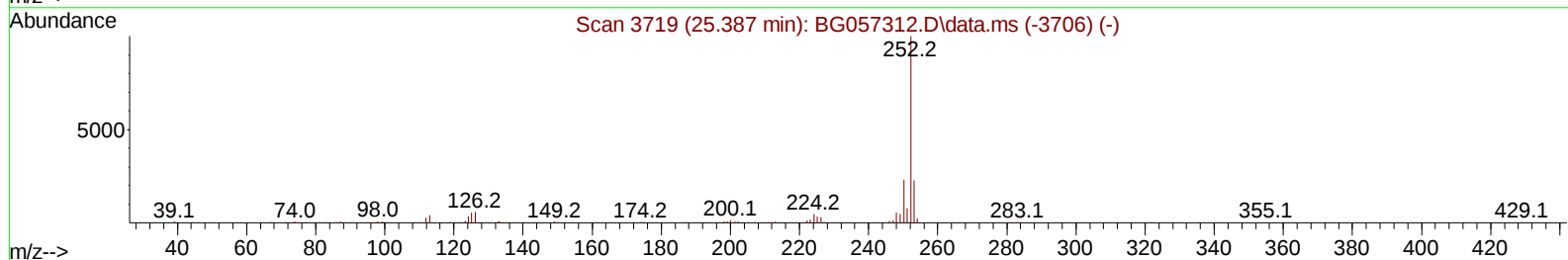
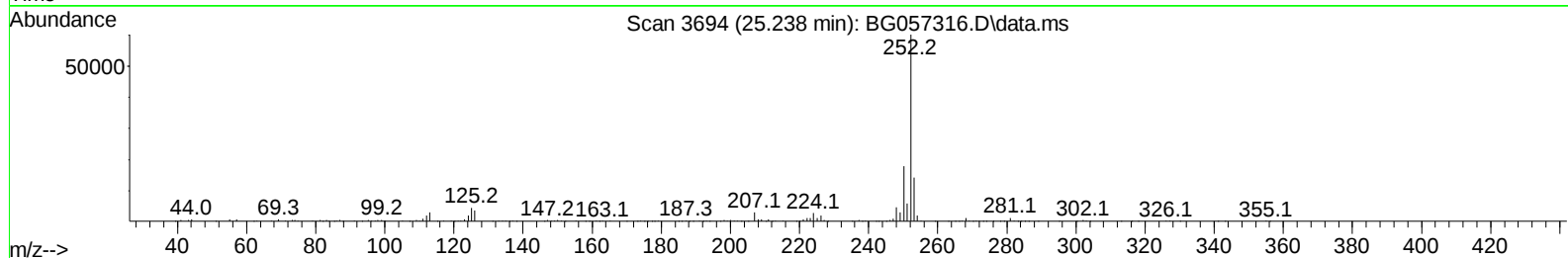
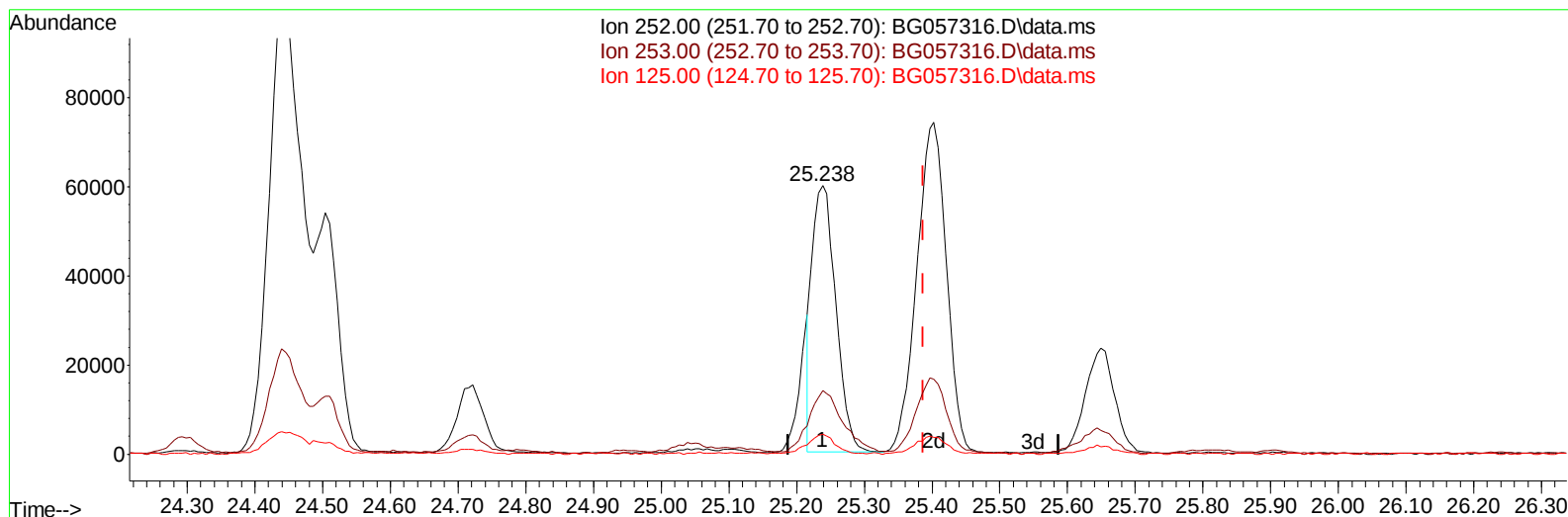
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:29:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057316.D\data.ms

(93) Benzo(a)pyrene (C)

25.238min (-0.149) 24.18 ng/u1

response 146201

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	23.72
125.00	6.40	7.50
0.00	0.00	0.00

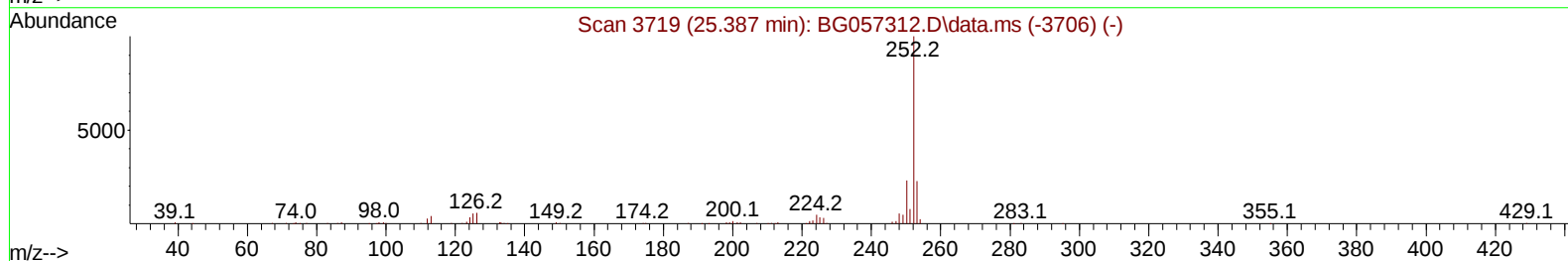
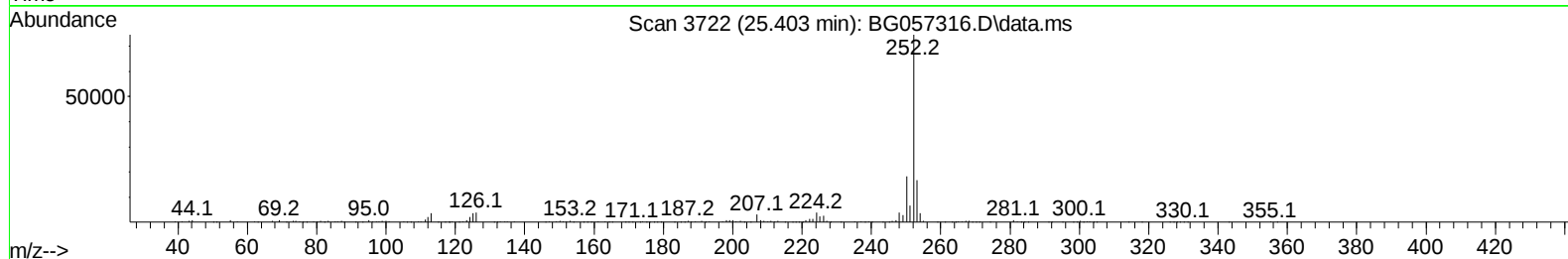
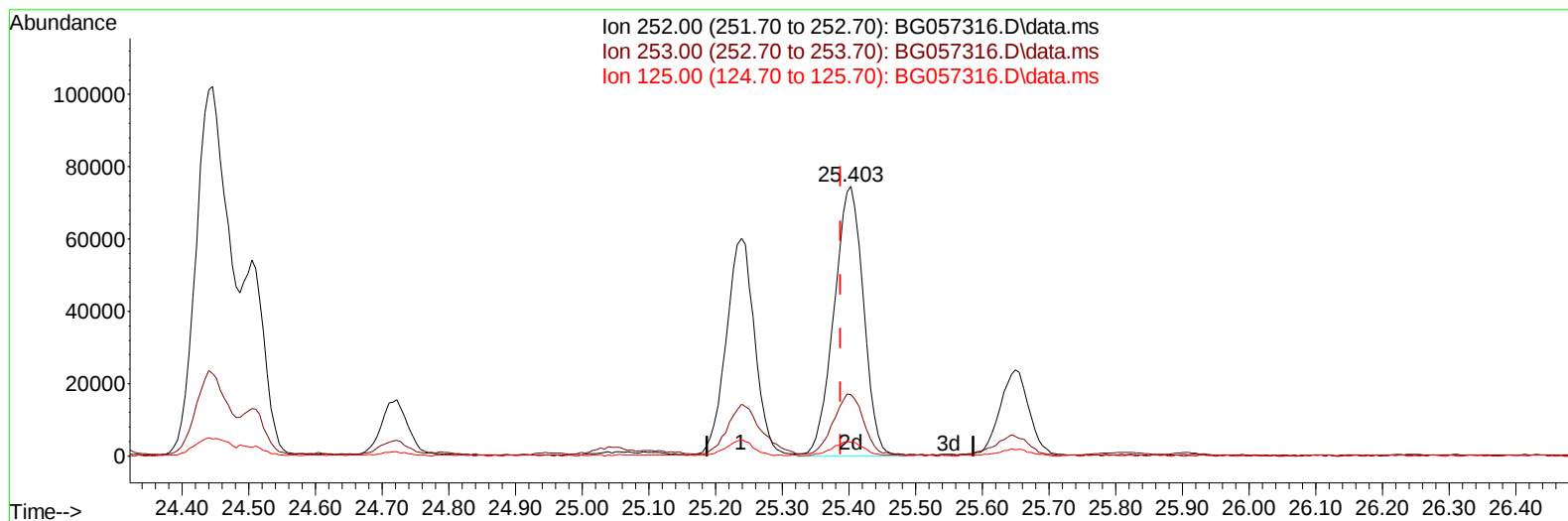
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:29:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057316.D\data.ms

(93) Benzo(a)pyrene (C)

25.403min (+ 0.015) 37.95 ng/ul m

response 229455

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.69
125.00	6.40	5.05#
0.00	0.00	0.00

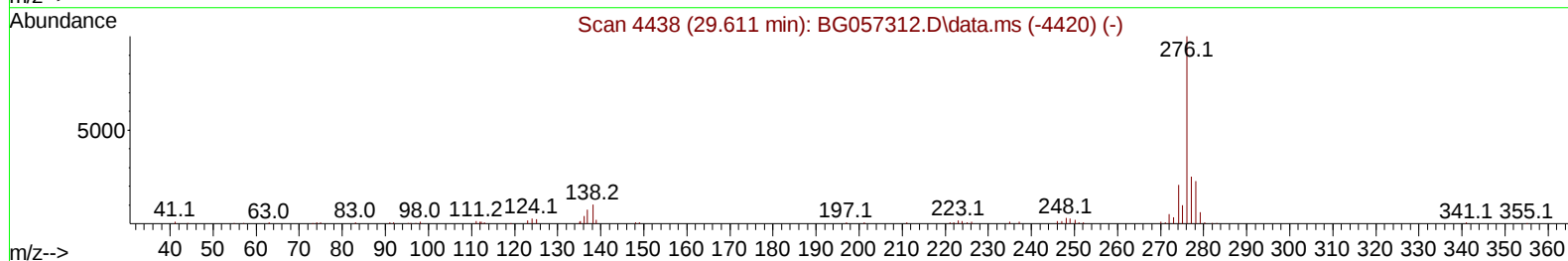
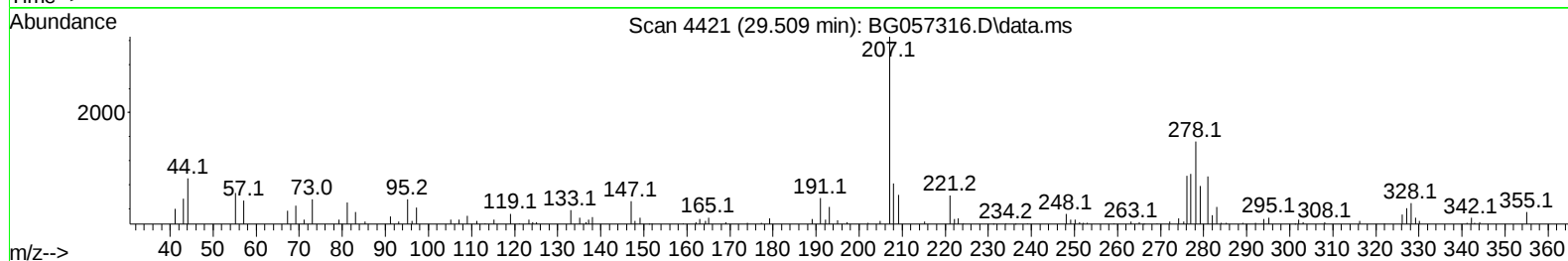
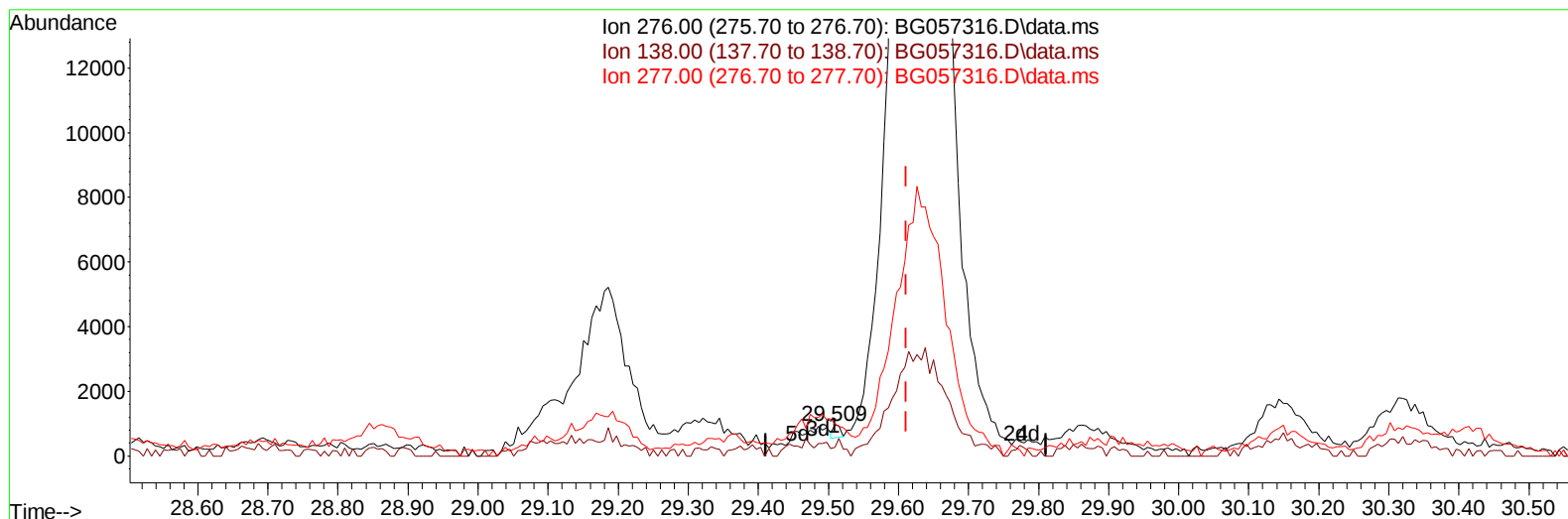
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:30:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057316.D\data.ms

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

29.509min (-0.102) 0.04 ng/u1

response 274

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.80	27.67#
277.00	23.30	103.56#
0.00	0.00	0.00

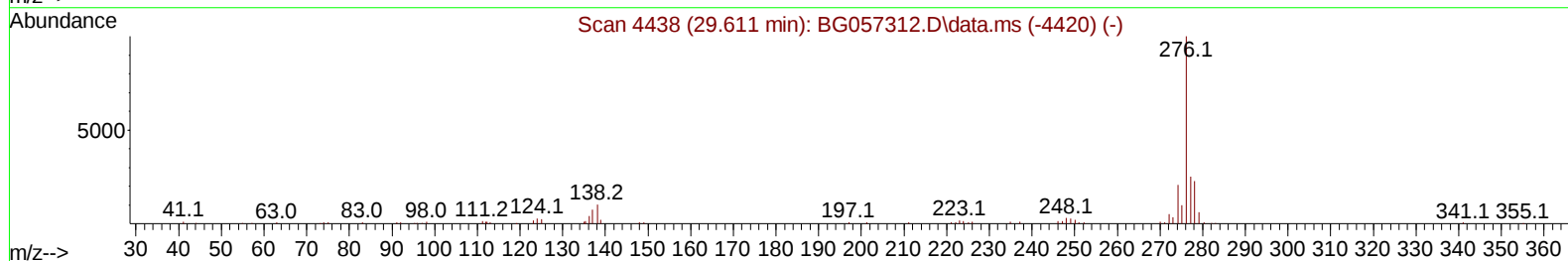
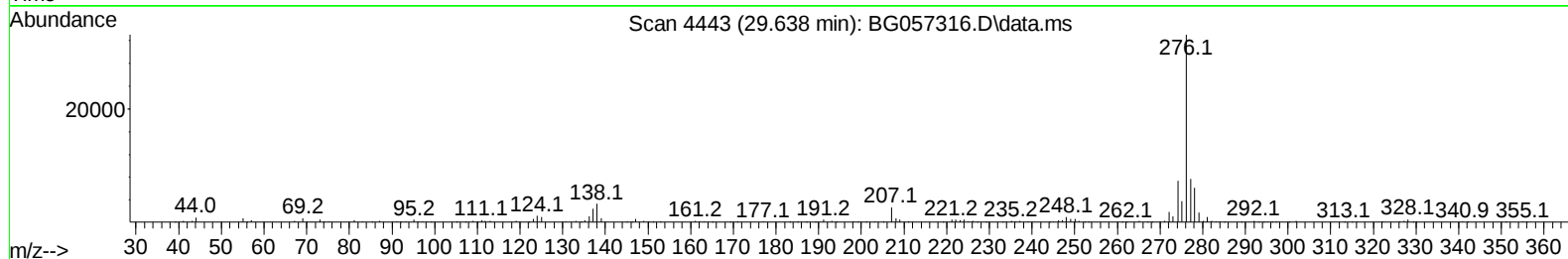
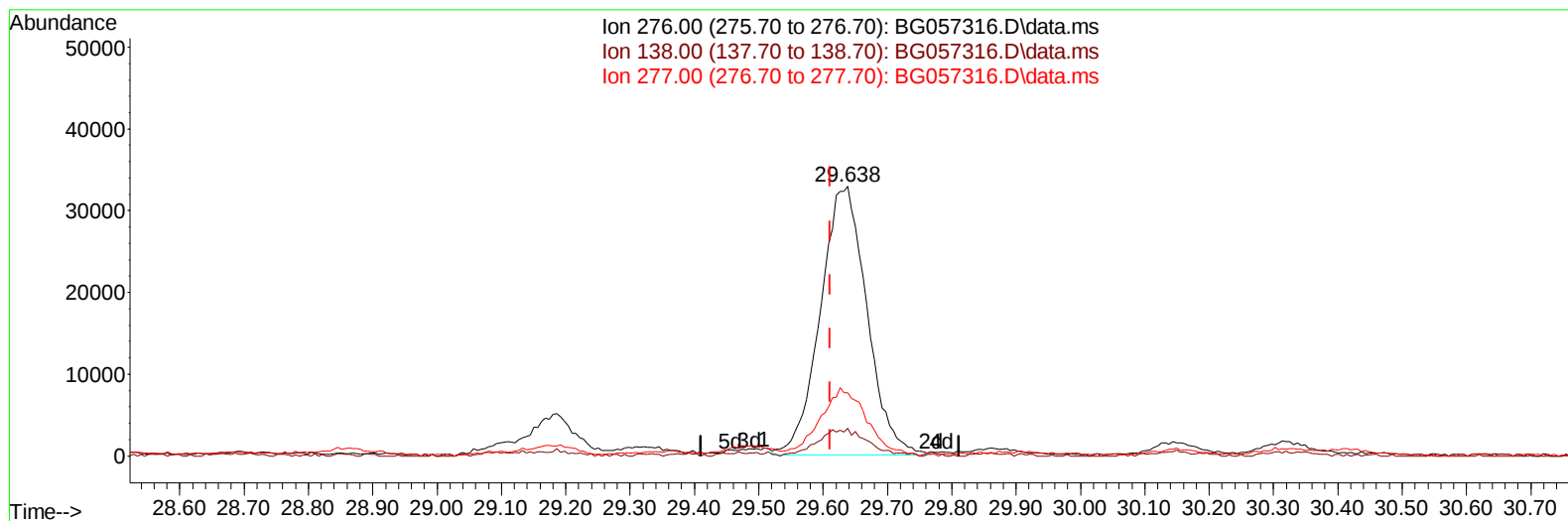
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:30:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057316.D\data.ms

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

29.638min (+ 0.027) 21.88 ng/ul m

response 165350

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.80	10.20
277.00	23.30	23.39
0.00	0.00	0.00

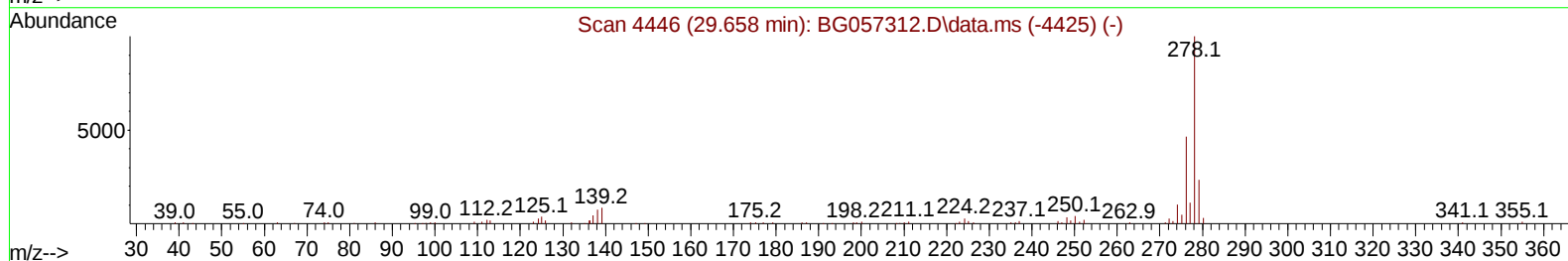
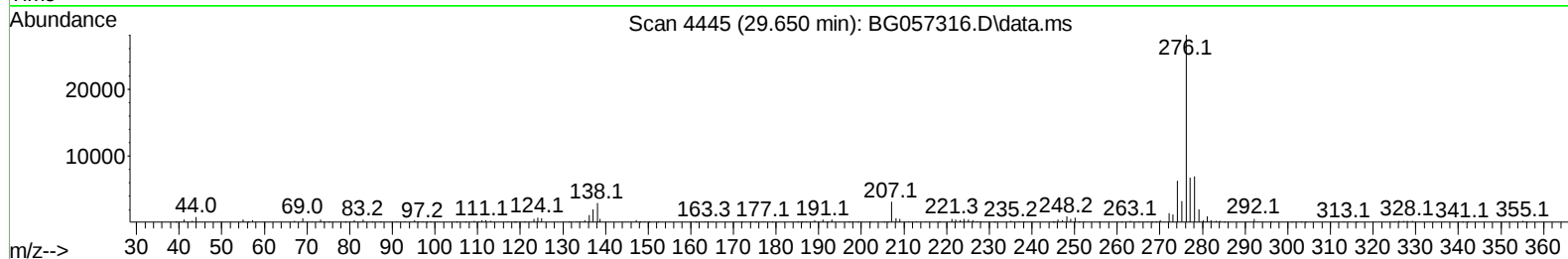
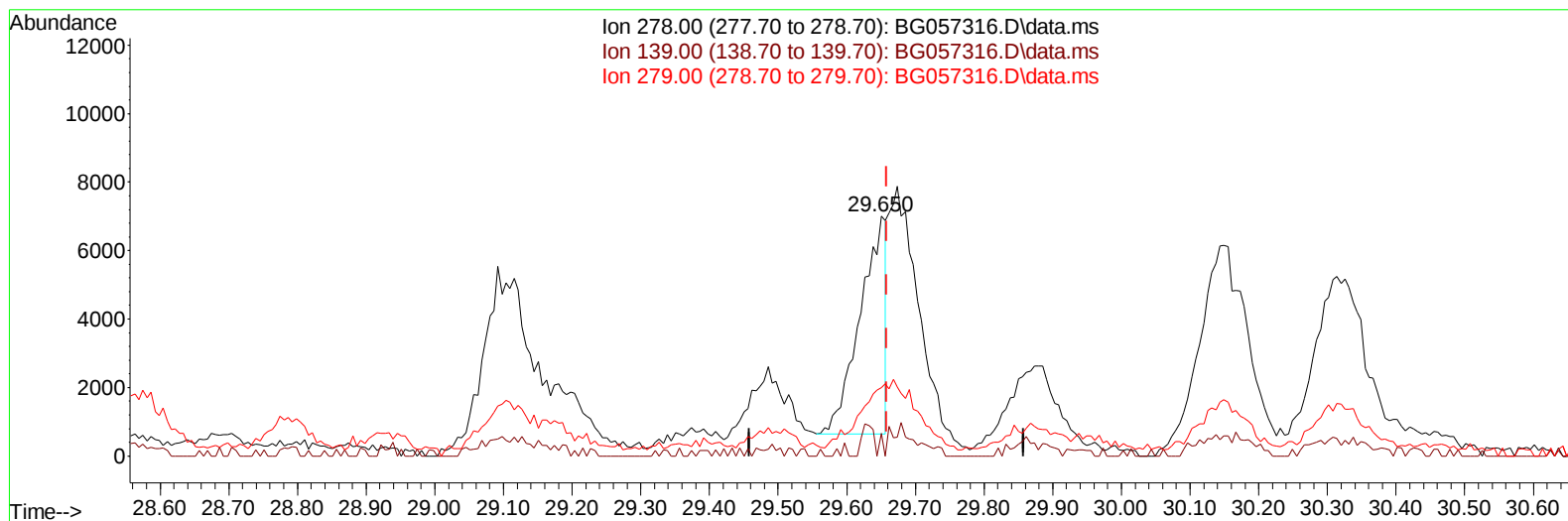
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:30:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057316.D\data.ms

(95) Dibenzo(a,h)anthracene

29.650min (-0.008) 2.65 ng/u1

response 16621

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	9.47#
279.00	22.90	28.62#
0.00	0.00	0.00

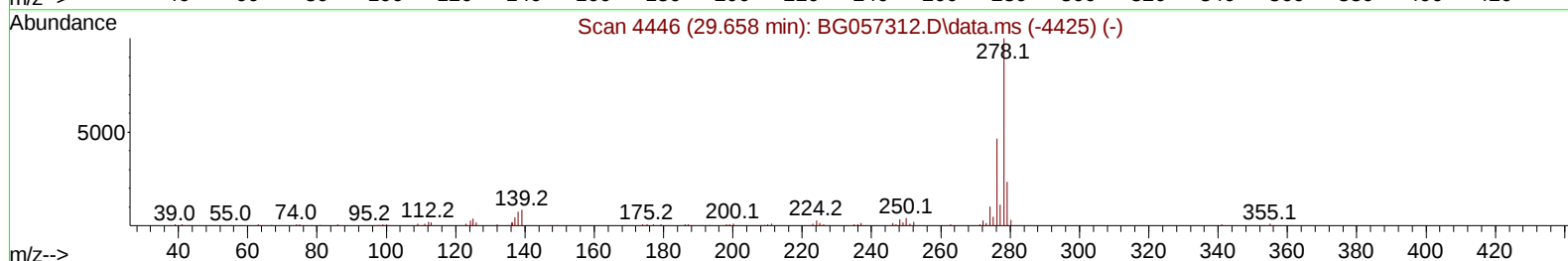
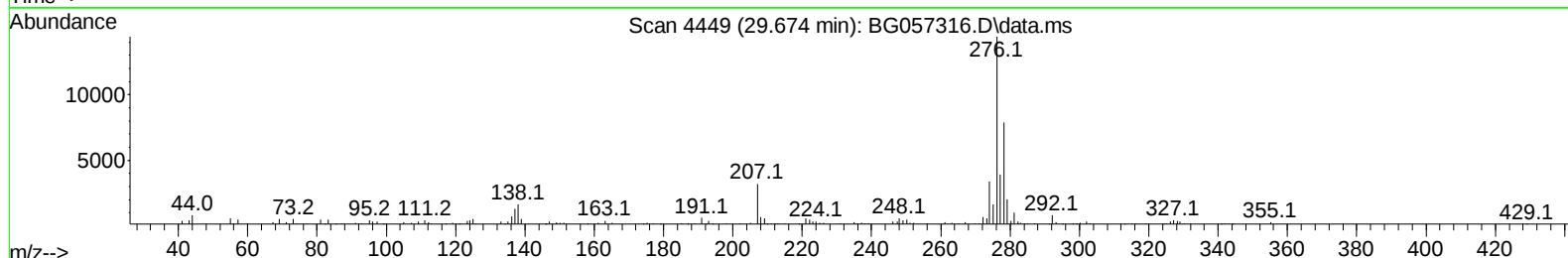
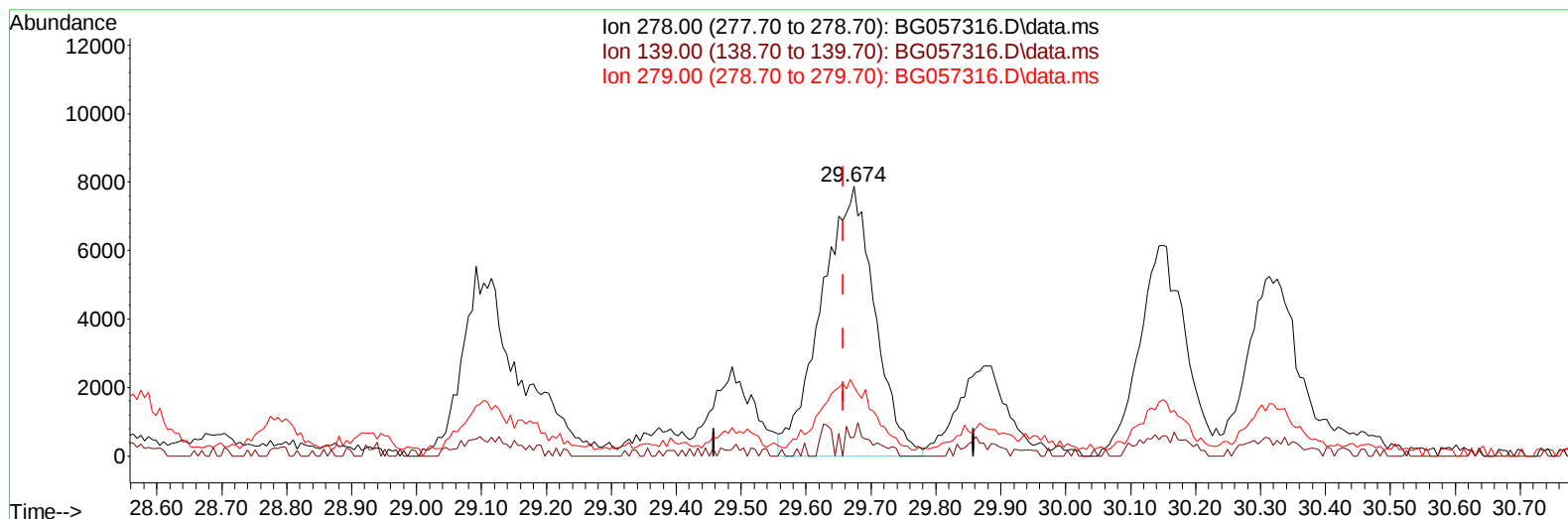
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:30:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



TIC: BG057316.D\data.ms

(95) Dibenzo(a,h)anthracene

29.674min (+ 0.015) 7.20 ng/ul m

response 45127

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	7.05
279.00	22.90	25.66
0.00	0.00	0.00

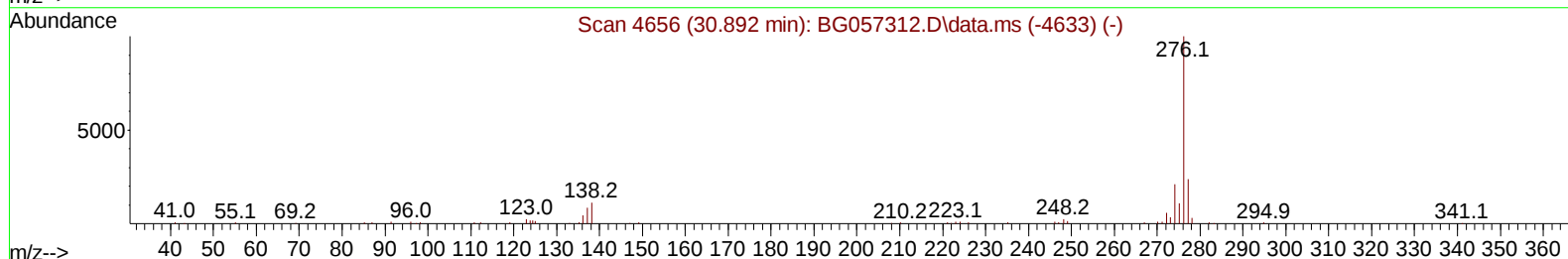
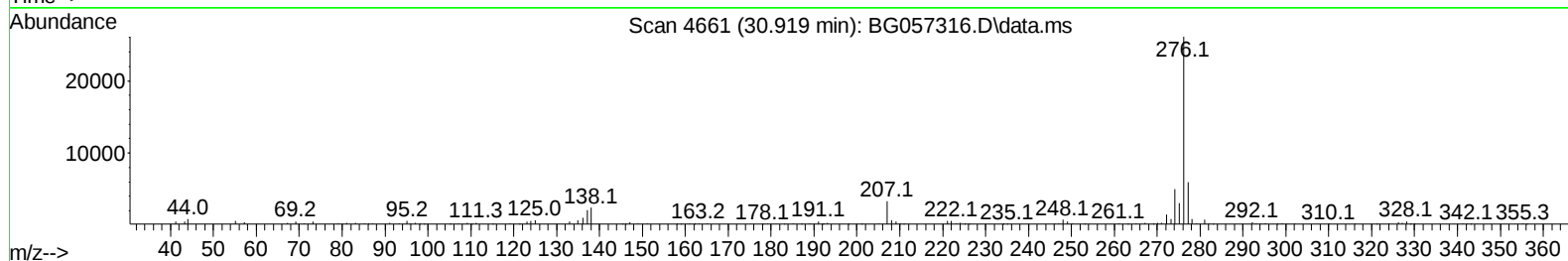
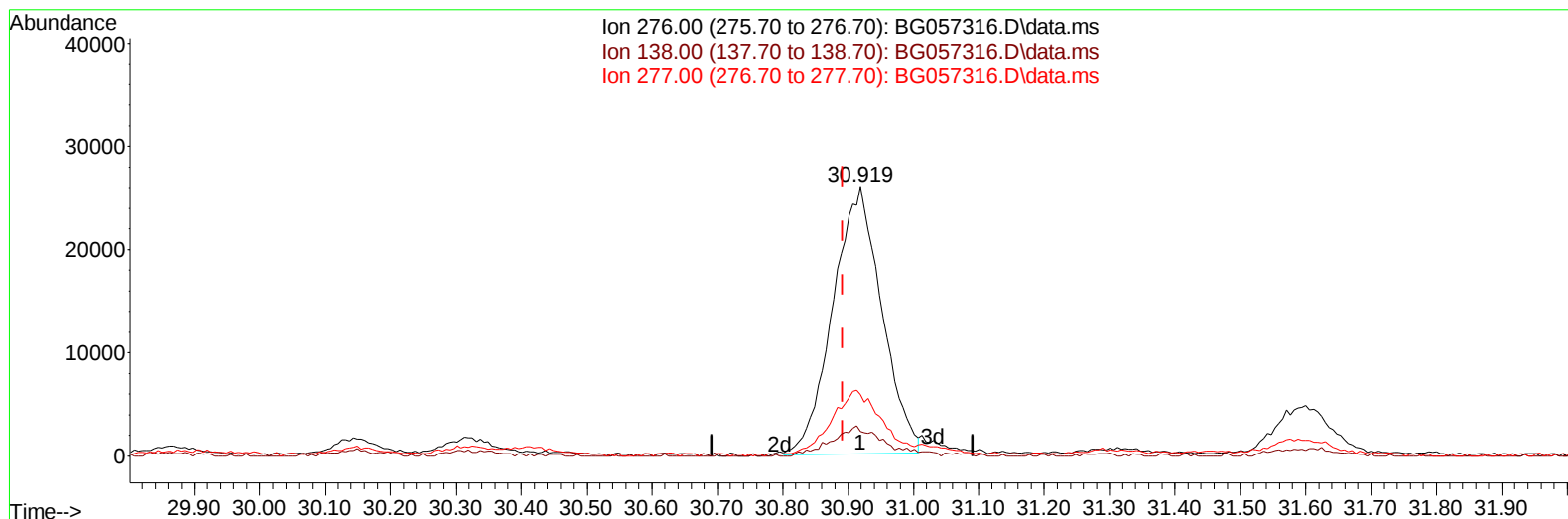
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:31:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration



TIC: BG057316.D\data.ms

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

30.919min (+ 0.027) 22.03 ng/u1

response 134777

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	9.21
277.00	23.00	22.76
0.00	0.00	0.00

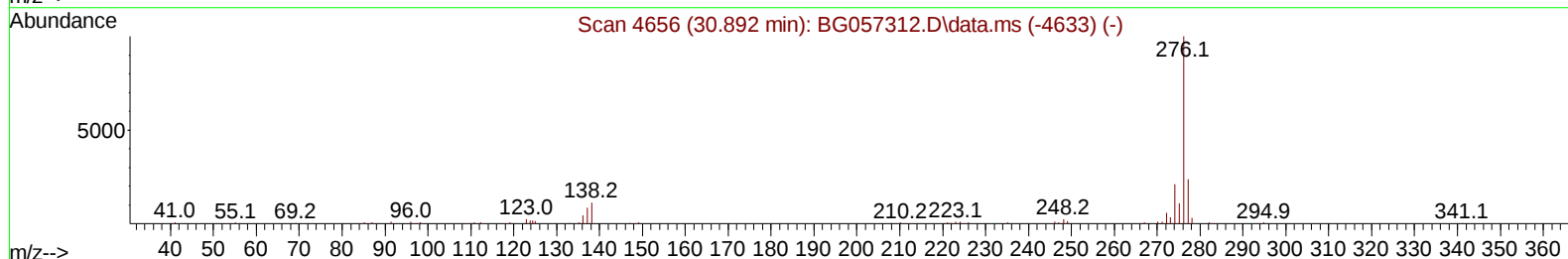
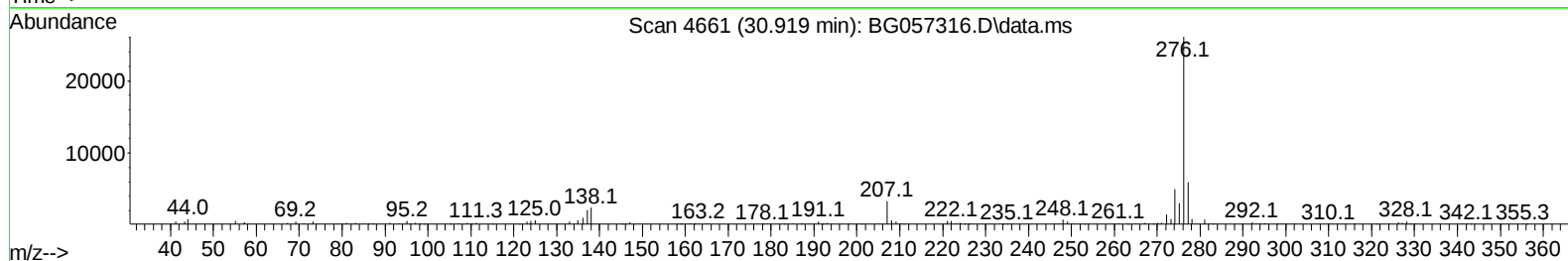
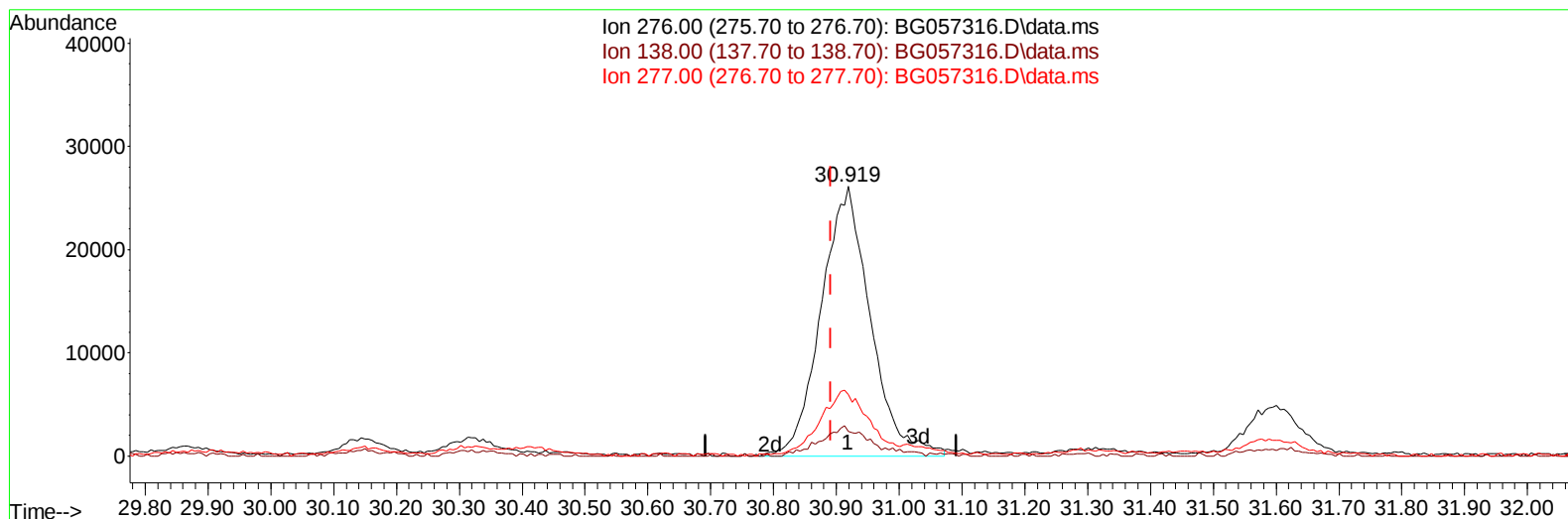
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:31:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration



TIC: BG057316.D\data.ms

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

30.919min (+ 0.027) 23.21 ng/ul m

response 141950

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	9.21
277.00	23.00	22.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual IntegrationsAPPROVED

Quant Time: May 06 00:32:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.373	152	13091	20.000	ng/ul	0.00
20) Naphthalene-d8	11.210	136	60787	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.988	164	50334	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.725	188	113478	20.000	ng/ul	0.00
79) Chrysene-d12	22.043	240	95439	20.000	ng/ul	# 0.00
88) Perylene-d12	25.567	264	101133	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.521	99	1626	1.313	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	838	1.151	ng/ul	0.00
11) 2-Chlorophenol-d4	7.903	132	1079	1.323	ng/ul	0.00
15) 4-Methylphenol-d8	9.078	113	1138	1.209	ng/ul	0.00
21) Nitrobenzene-d5	9.542	128	331	0.684	ng/ul	0.00
24) 2-Nitrophenol-d4	10.288	143	538	0.952	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	1603	1.471	ng/ul	0.02
31) 4-Chloroaniline-d4	11.345	131	369	0.255	ng/ul	0.00
46) Dimethylphthalate-d6	14.371	166	6505	1.631	ng/ul	0.00
49) Acenaphthylene-d8	14.688	160	7220	1.611	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
60) Fluorene-d10	15.969	176	5867	1.579	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.825	188	9349	1.805	ng/ul	0.00
81) Pyrene-d10	20.092	212	10635	1.877	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.326	264	9885	1.919	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	11.263	128	3751	1.124	ng/ul#	93
36) 2-Methylnaphthalene	12.843	142	2635	1.077	ng/ul	94
52) Acenaphthene	15.046	153	14966	4.611	ng/ul	94
56) Dibenzofuran	15.381	168	11560	2.467	ng/ul	99
61) Fluorene	16.027	166	18311	4.620	ng/ul	99
72) Phenanthrene	17.772	178	322953	54.651	ng/ul	99
74) Anthracene	17.860	178	79052	13.317	ng/ul	98
77) Carbazole	18.124	167	26213	5.284	ng/ul	99
80) Fluoranthene	19.763	202	622080	92.443	ng/ul	97
82) Pyrene	20.128	202	521579	76.564	ng/ul	98
83) Butylbenzylphthalate	20.974	149	2949	1.352	ng/ul#	93
85) Benzo(a)anthracene	22.019	228	256478	37.997	ng/ul	98
87) Chrysene	22.096	228	263043	41.305	ng/ul	97
90) Benzo(b)fluoranthene	24.445	252	351719	50.221	ng/ul#	97
91) Benzo(k)fluoranthene	24.504	252	117220m	17.204	ng/ul	
93) Benzo(a)pyrene	25.403	252	229455m	37.950	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.638	276	165350m	21.878	ng/ul	
95) Dibenzo(a,h)anthracene	29.674	278	45127m	7.201	ng/ul	
96) Benzo(g,h,i)perylene	30.919	276	141950m	23.207	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057316.D
Acq On : 5 May 2023 12:55
Operator : CG/JU
Sample : 02479-13 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW976

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:32:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration

