

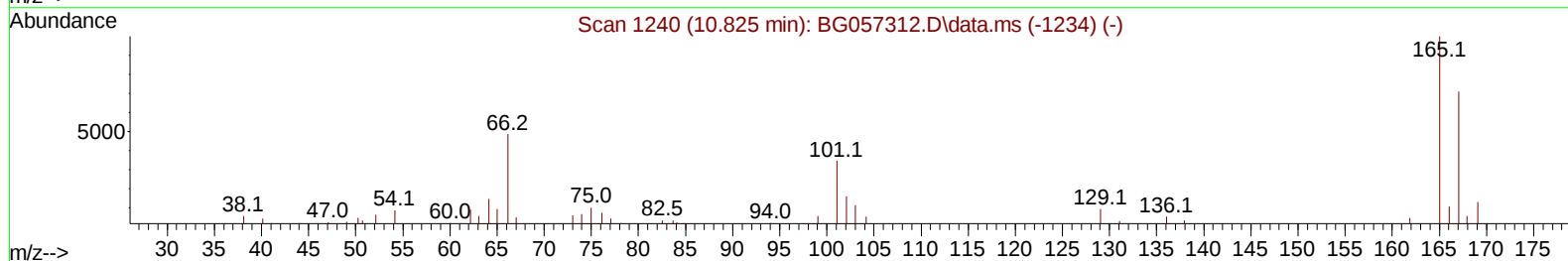
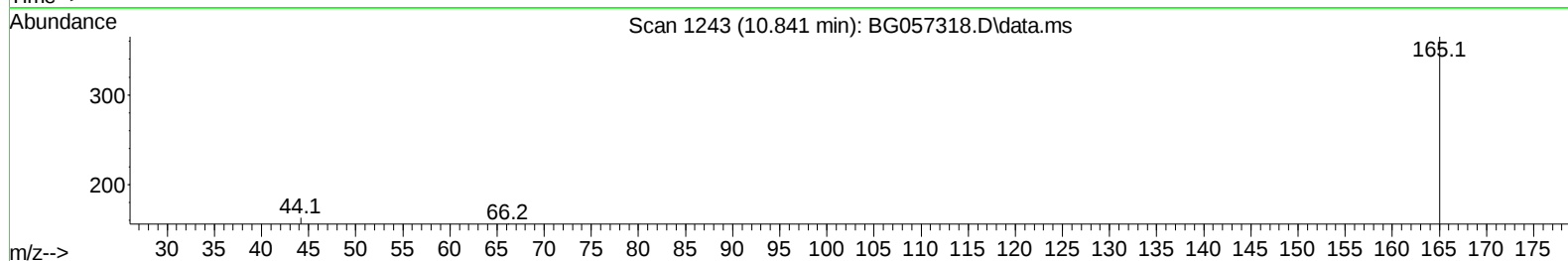
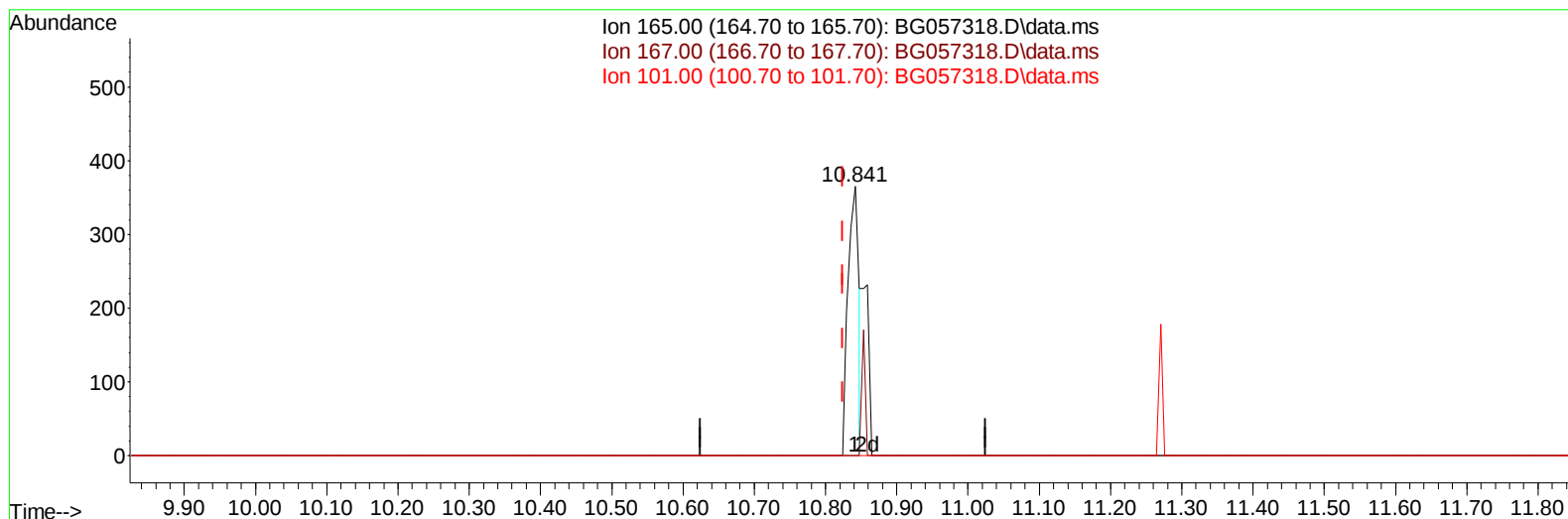
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057318.D
Acq On : 5 May 2023 14:58
Operator : CG/JU
Sample : 02479-05DL 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 05 23:54:49 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: BG057318.D\data.ms

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

10.841min (+ 0.017) 0.24 ng/u1

response 386

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	60.30	0.00#
101.00	31.80	0.00#
0.00	0.00	0.00

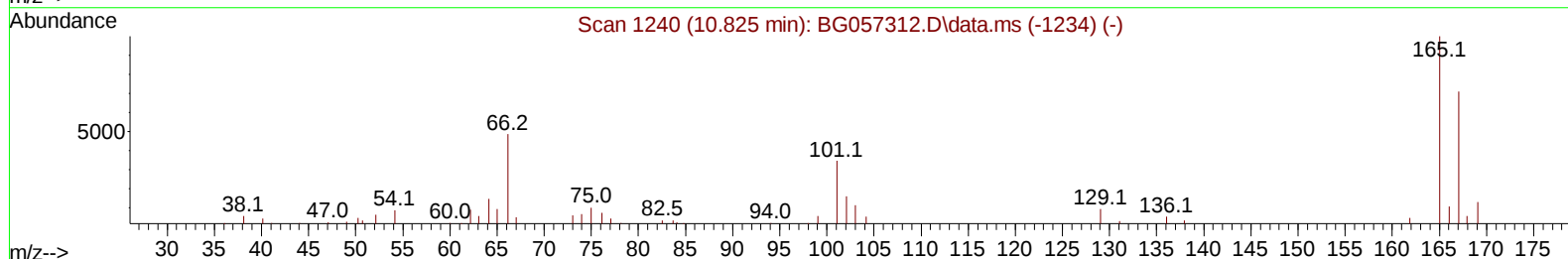
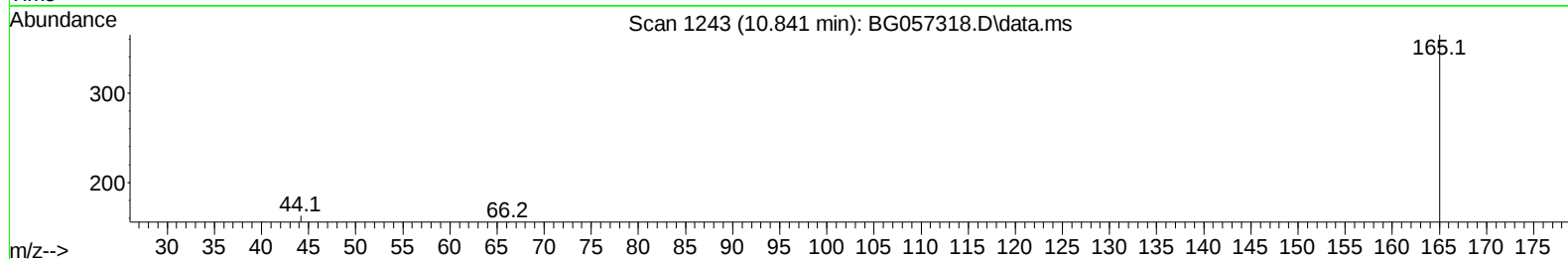
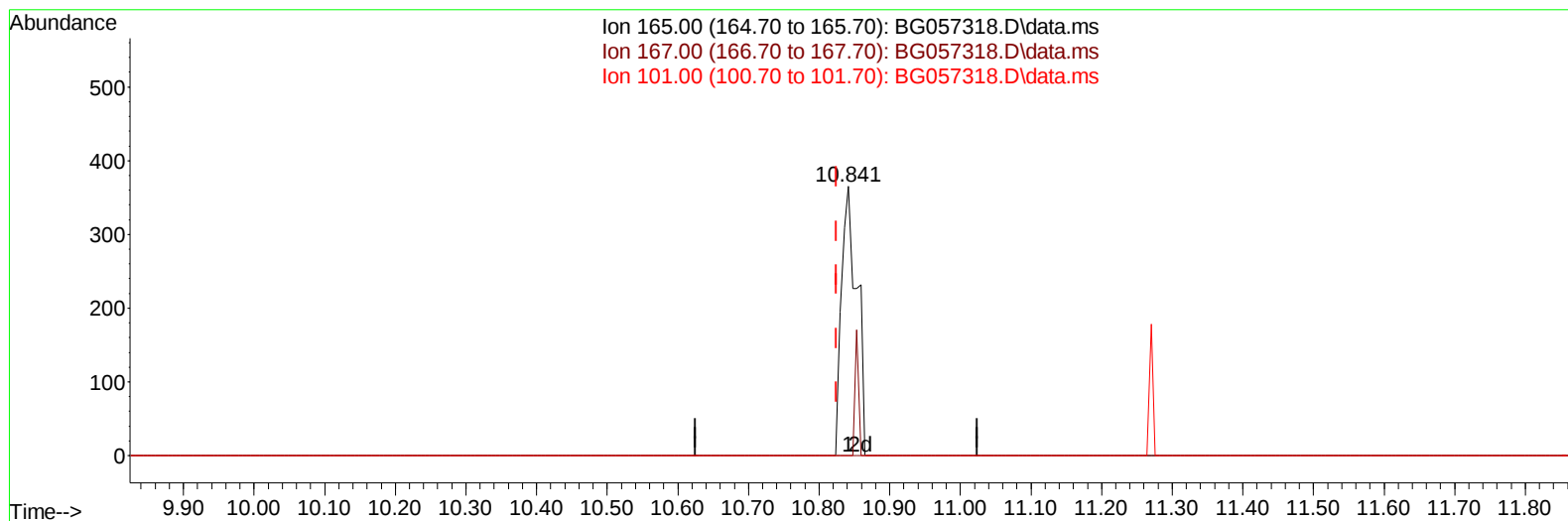
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057318.D
Acq On : 5 May 2023 14:58
Operator : CG/JU
Sample : 02479-05DL 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 05 23:54:49 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: BG057318.D\data.ms

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

10.841min (+ 0.017) 0.35 ng/ul m

response 548

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	60.30	0.00#
101.00	31.80	0.00#
0.00	0.00	0.00

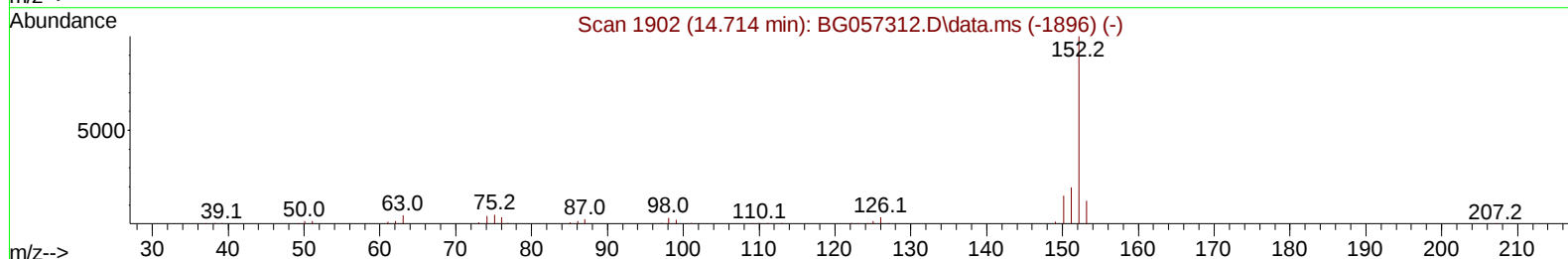
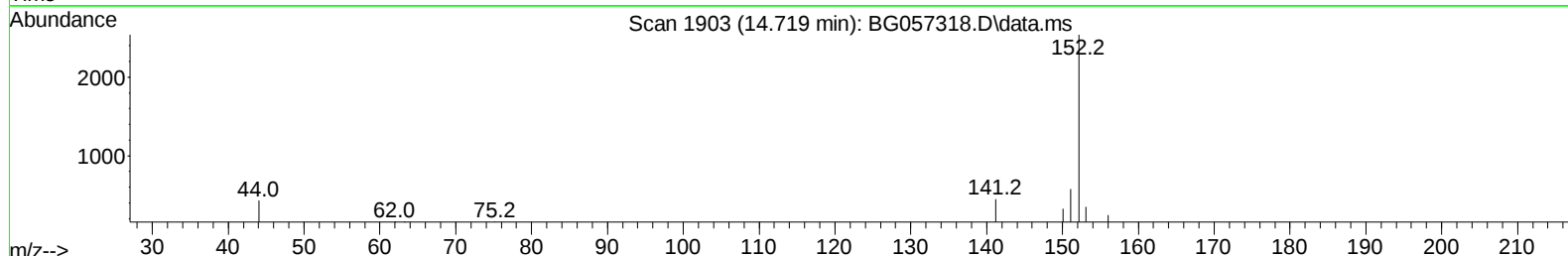
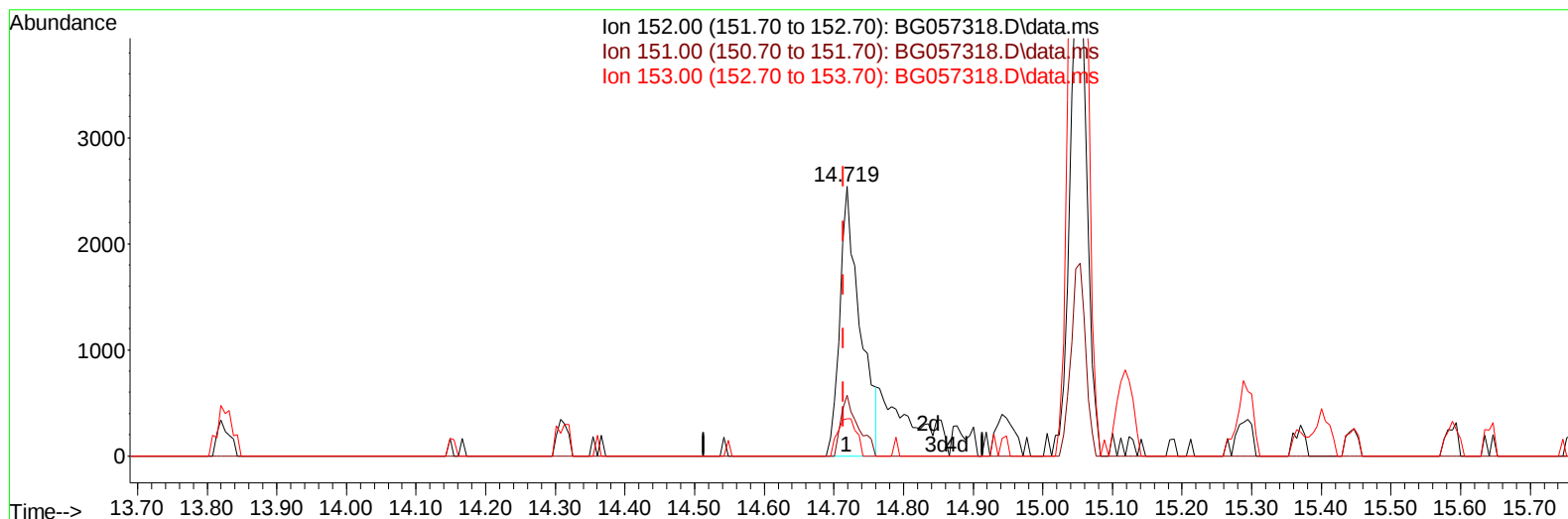
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 05 23:54:49 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: BG057318.D\data.ms

(50) Acenaphthylene

14.719min (+ 0.005) 0.82 ng/u1

response 5118

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.40	22.60
153.00	12.60	13.82
0.00	0.00	0.00

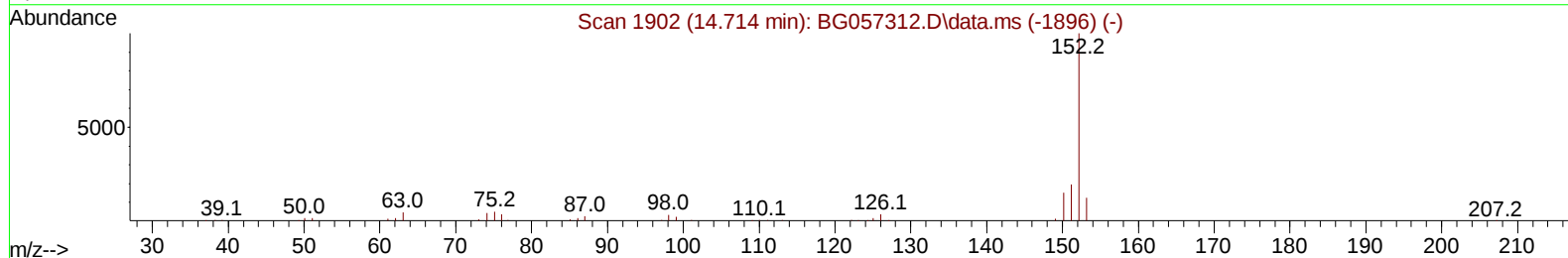
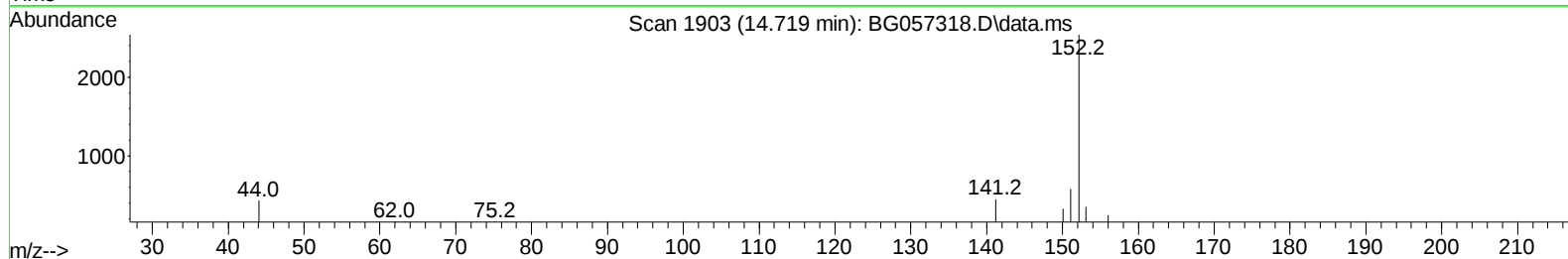
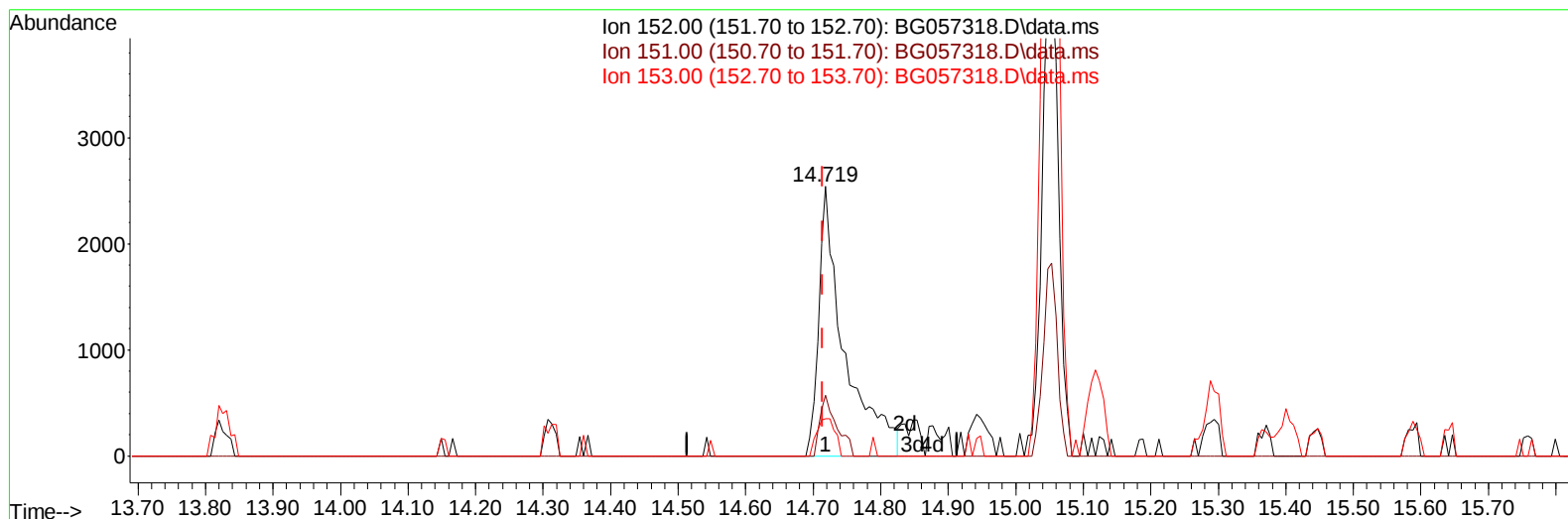
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 05 23:54:49 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: BG057318.D\data.ms

(50) Acenaphthylene

14.719min (+ 0.005) 1.08 ng/ul m

response 6674

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.40	22.60
153.00	12.60	13.82
0.00	0.00	0.00

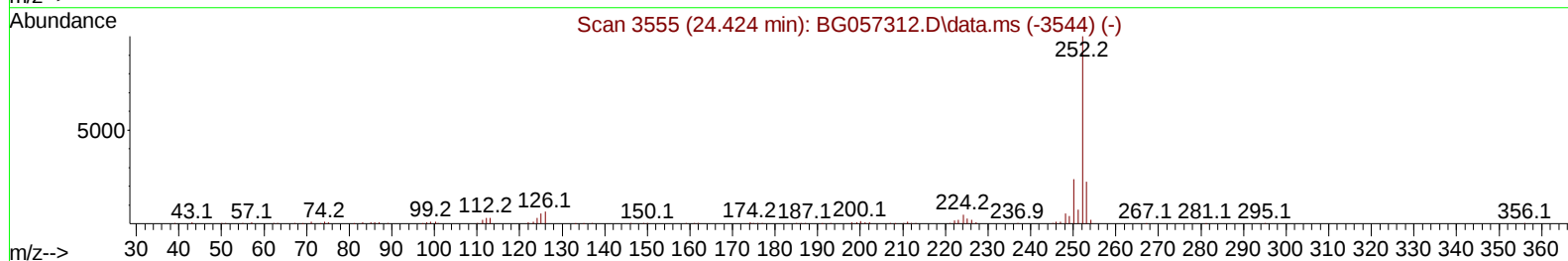
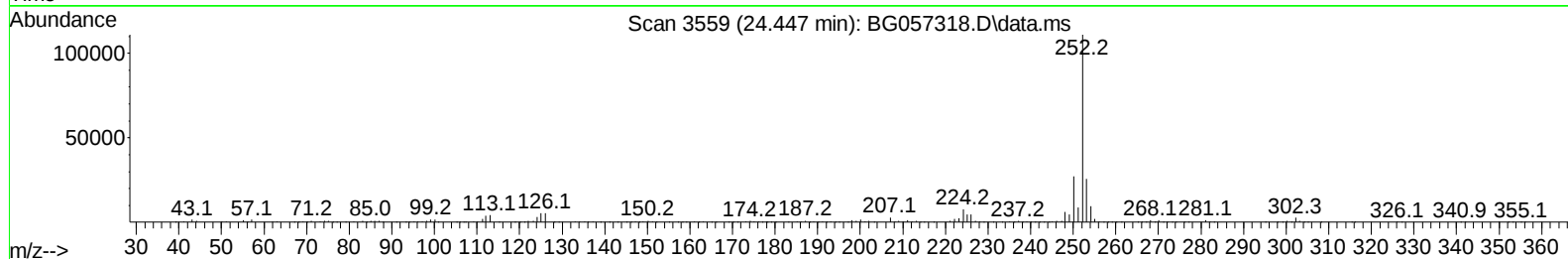
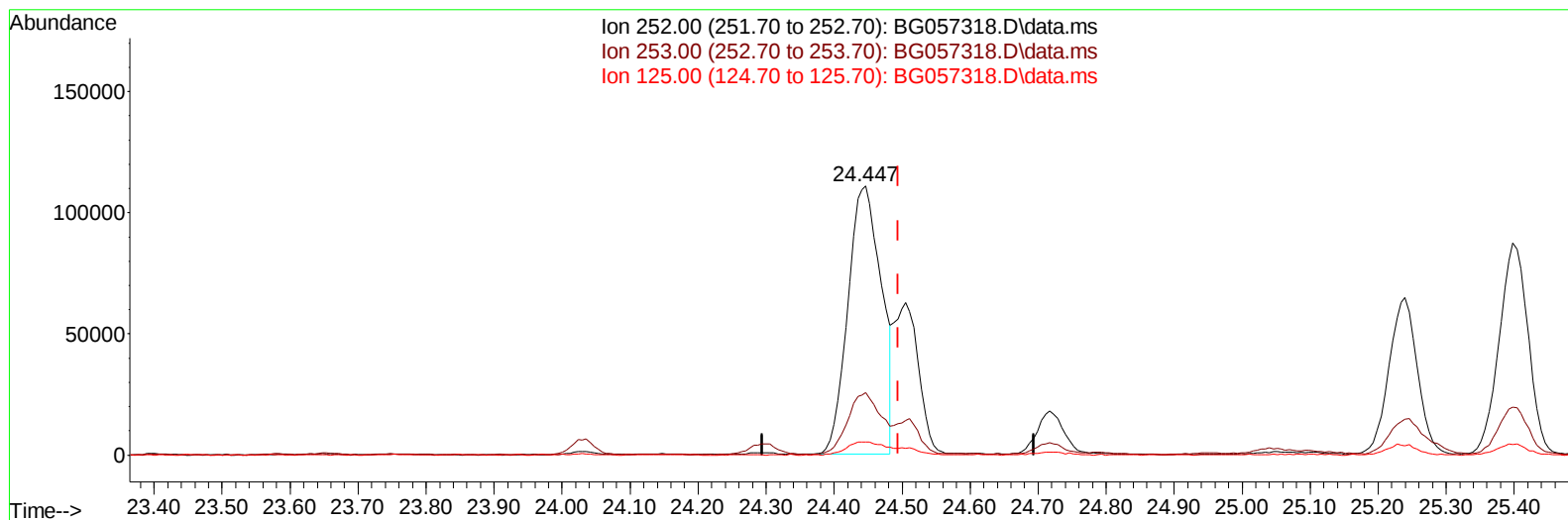
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057318.D
Acq On : 5 May 2023 14:58
Operator : CG/JU
Sample : 02479-05DL 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(91) Benzo(k)fluoranthene

24.447min (-0.048) 41.45 ng/u1

response 378502

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.20
125.00	5.60	4.84
0.00	0.00	0.00

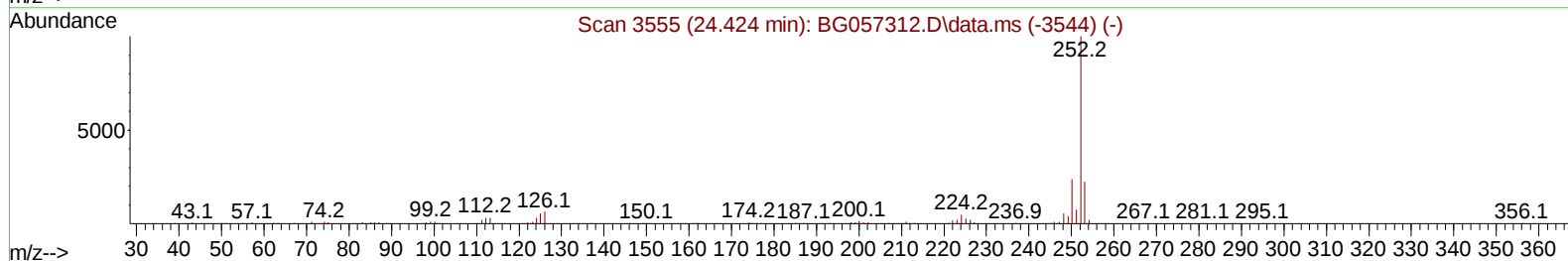
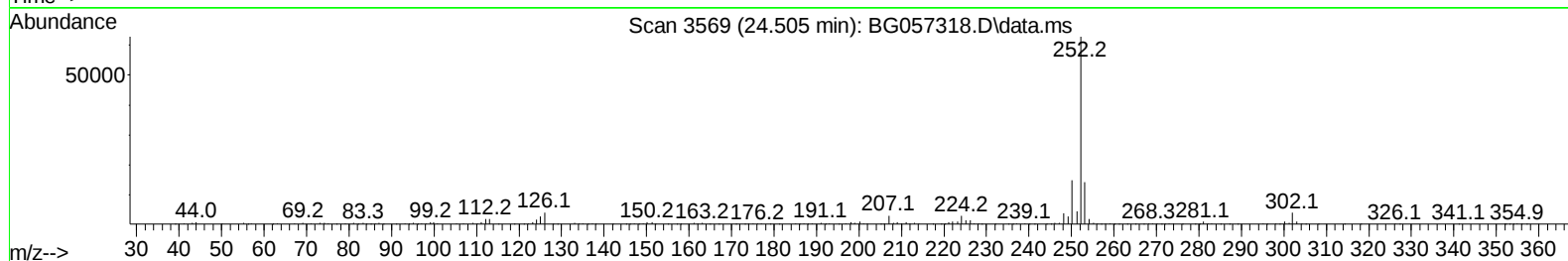
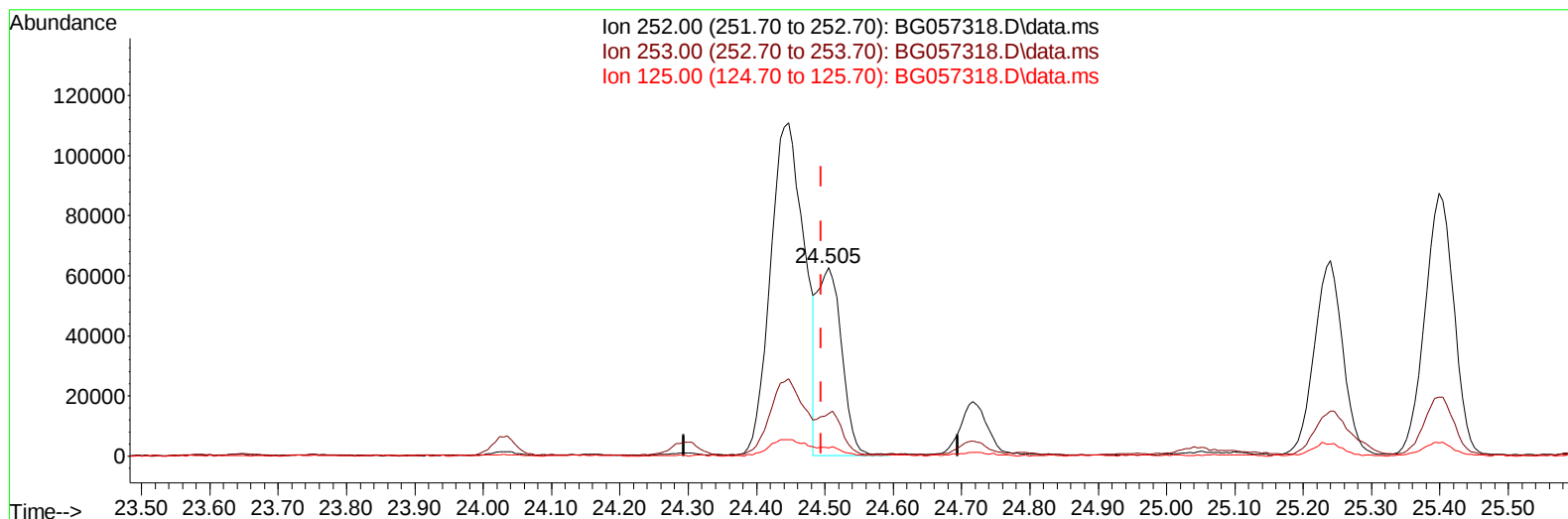
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057318.D
Acq On : 5 May 2023 14:58
Operator : CG/JU
Sample : 02479-05DL 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(91) Benzo(k)fluoranthene

24.505min (+ 0.011) 17.19 ng/ul m

response 157019

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	22.60
125.00	5.60	4.34#
0.00	0.00	0.00

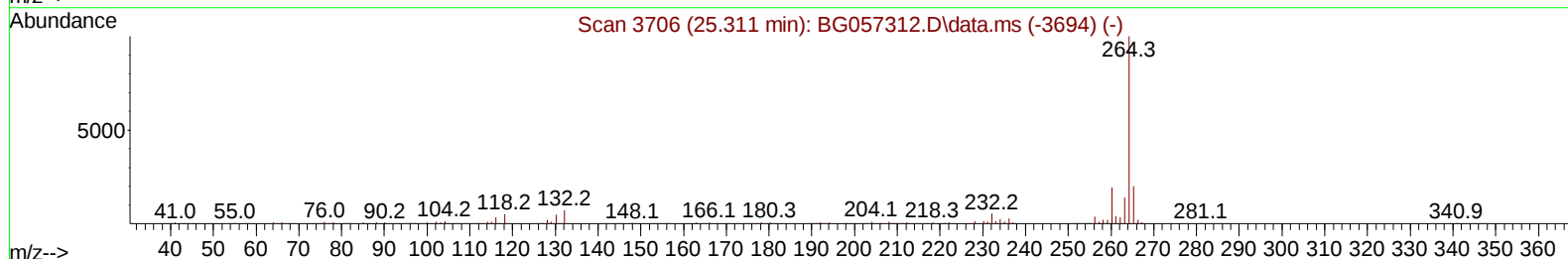
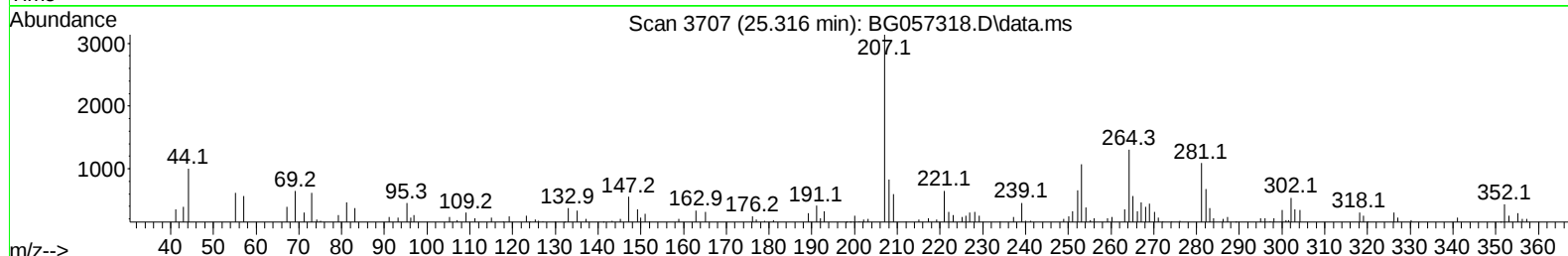
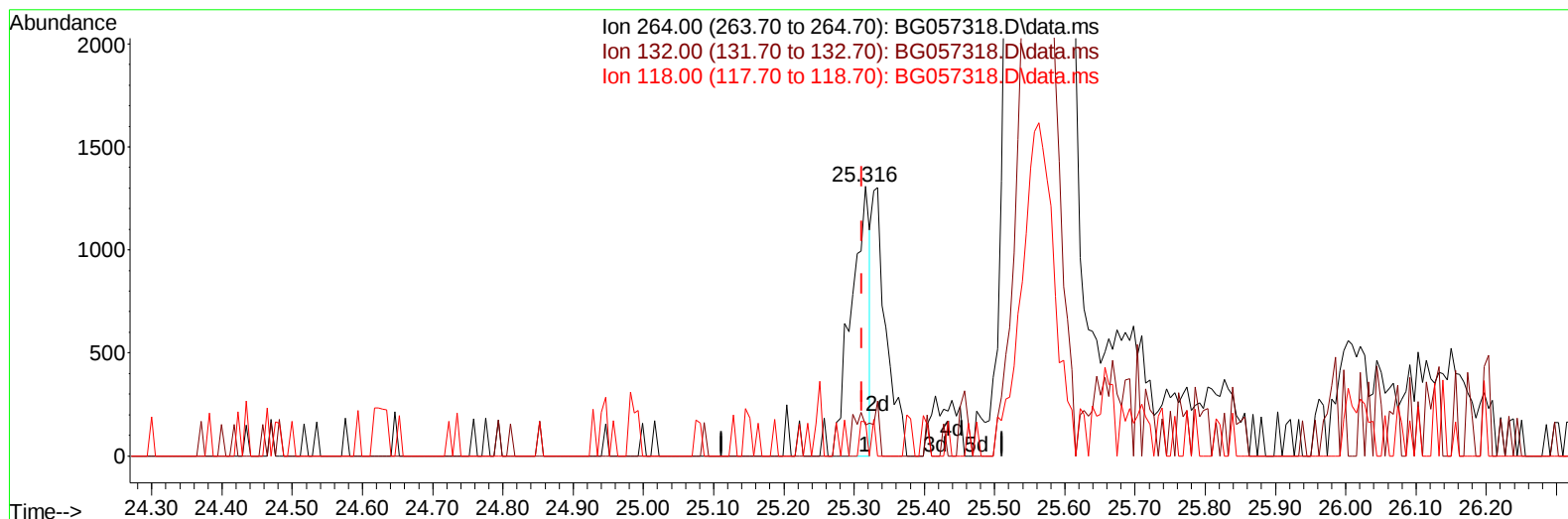
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

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

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.316min (+ 0.005) 0.34 ng/u1

response 2381

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	7.70	11.54#
118.00	6.30	12.54#
0.00	0.00	0.00

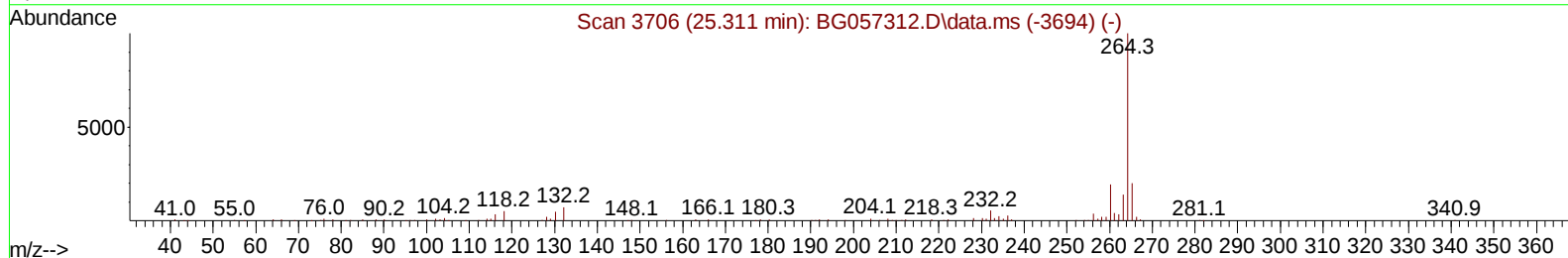
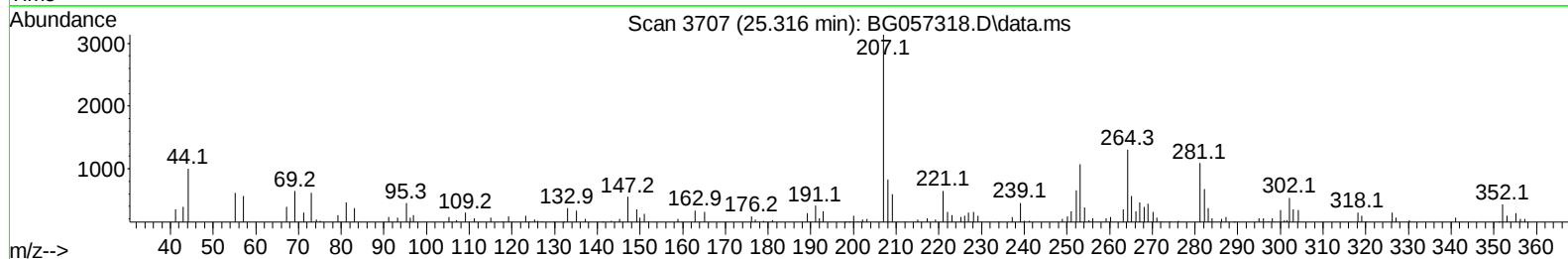
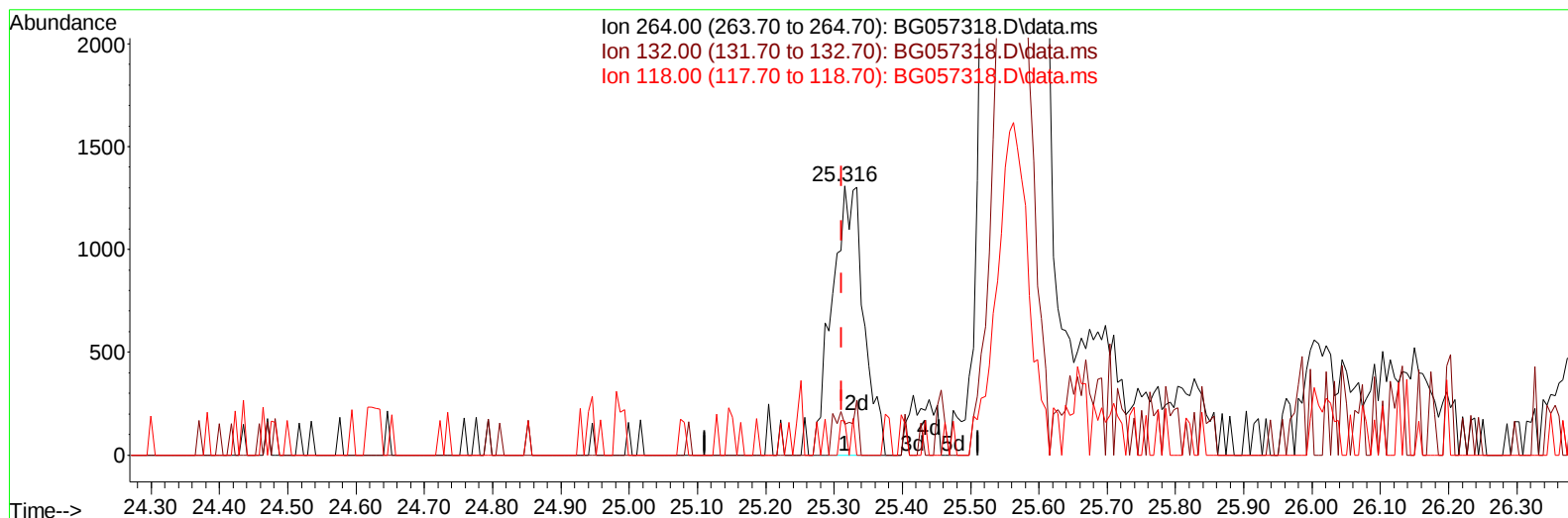
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.316min (+ 0.005) 0.61 ng/ul m

response 4181

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	7.70	11.54#
118.00	6.30	12.54#
0.00	0.00	0.00

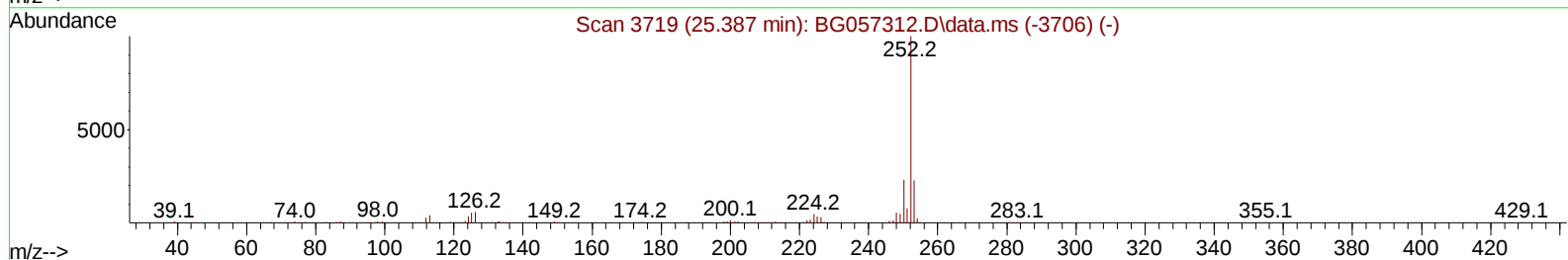
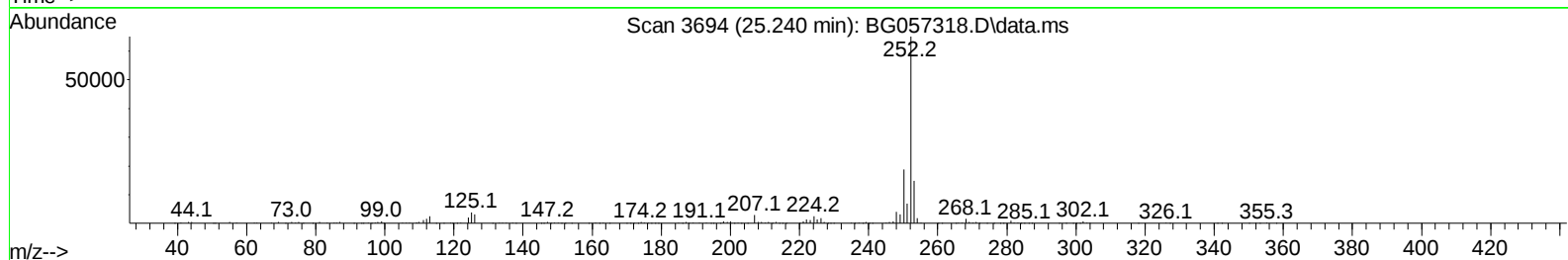
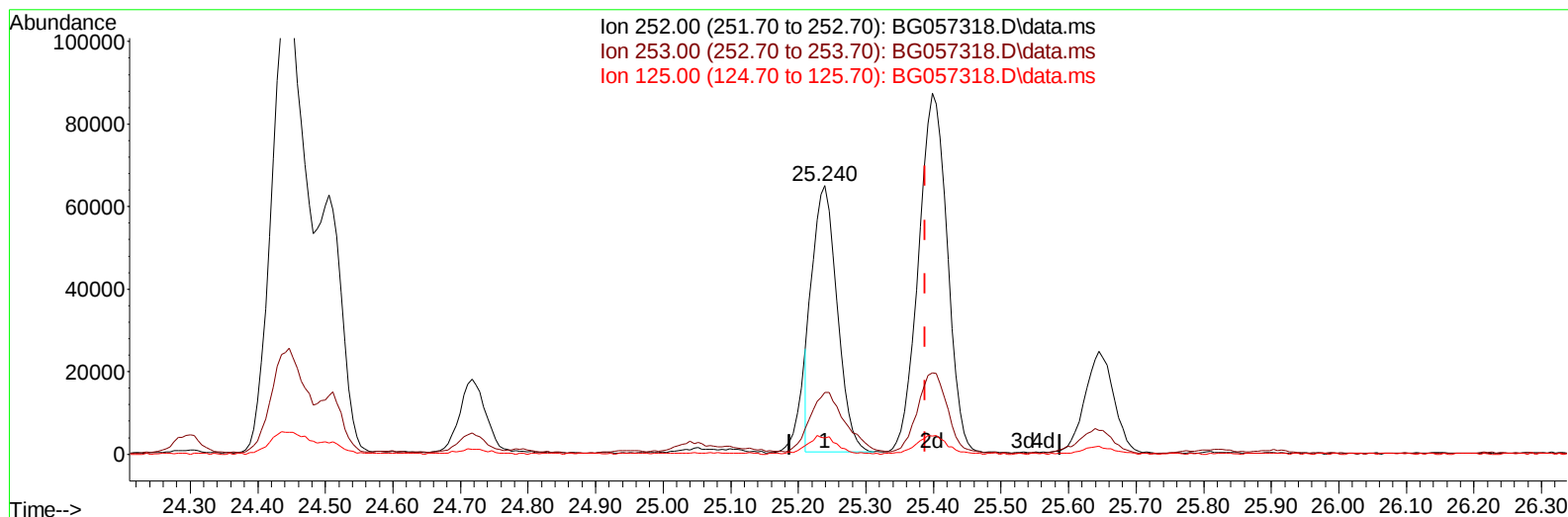
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(93) Benzo(a)pyrene (C)

25.240min (-0.148) 20.37 ng/u1

response 165096

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.95
125.00	6.40	6.06
0.00	0.00	0.00

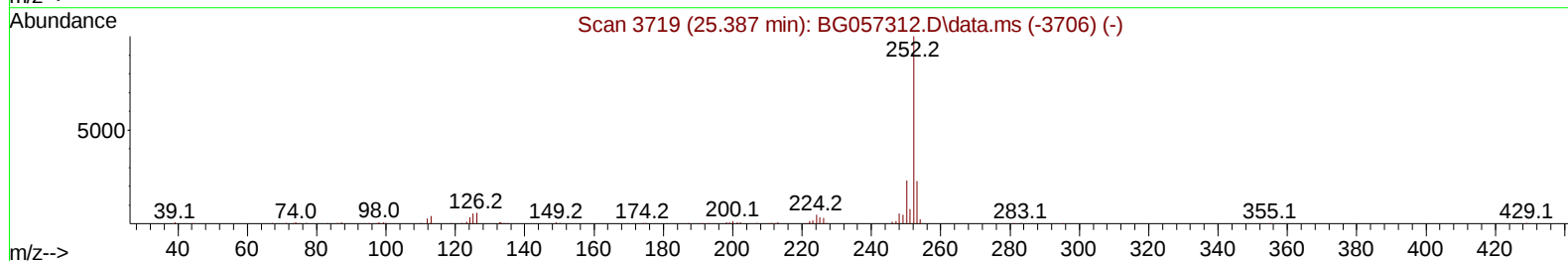
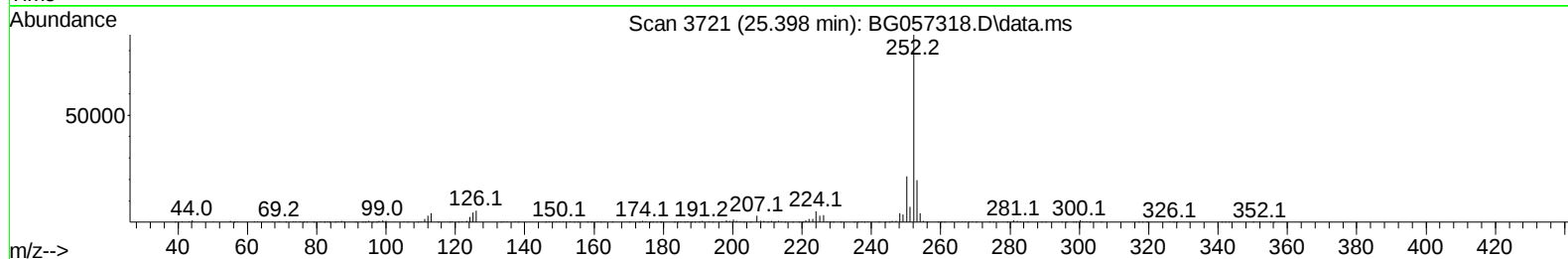
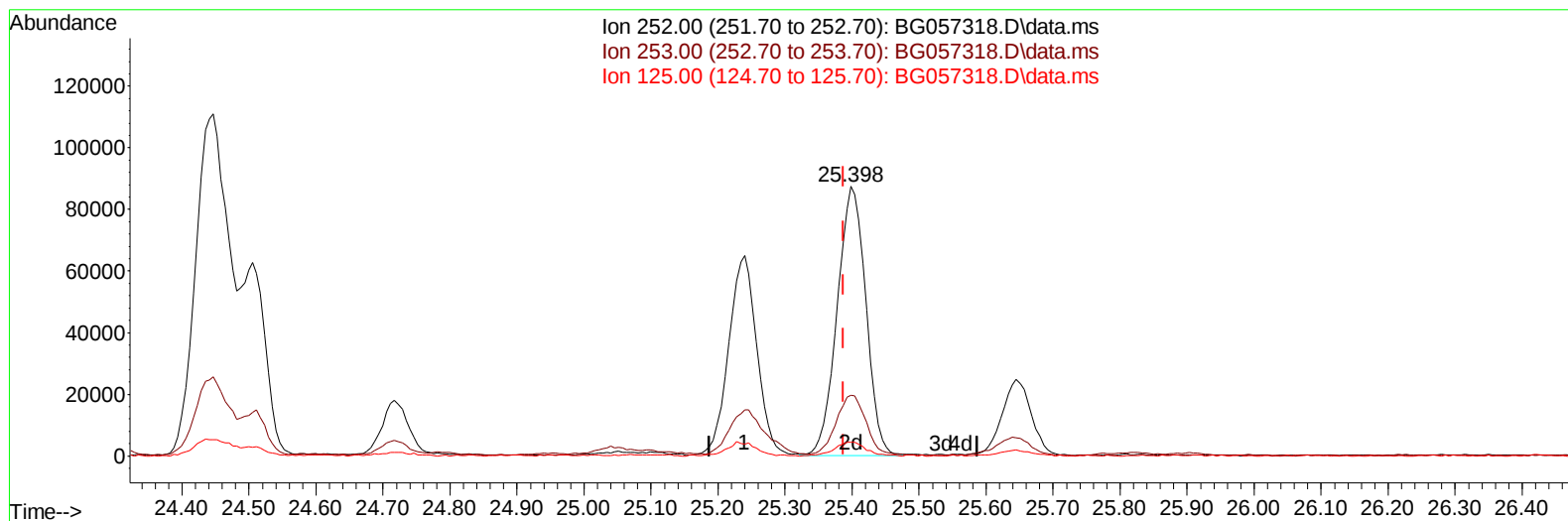
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(93) Benzo(a)pyrene (C)

25.398min (+ 0.011) 31.98 ng/ul m

response 259183

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.51
125.00	6.40	5.10#
0.00	0.00	0.00

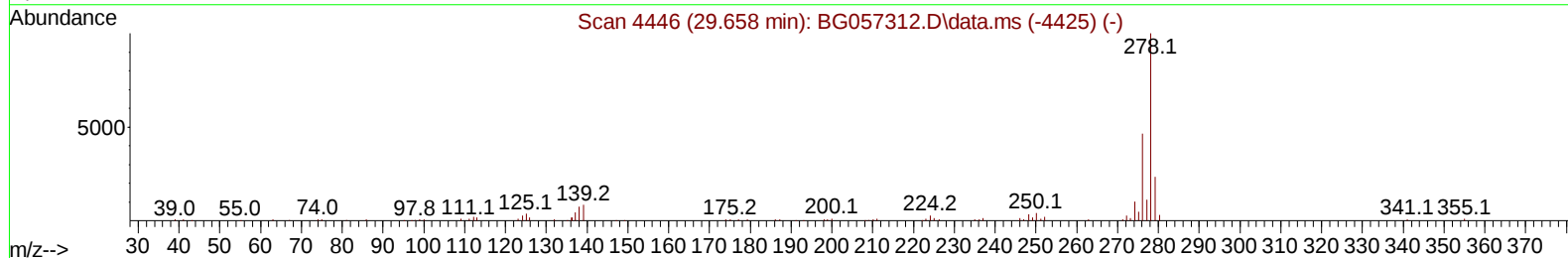
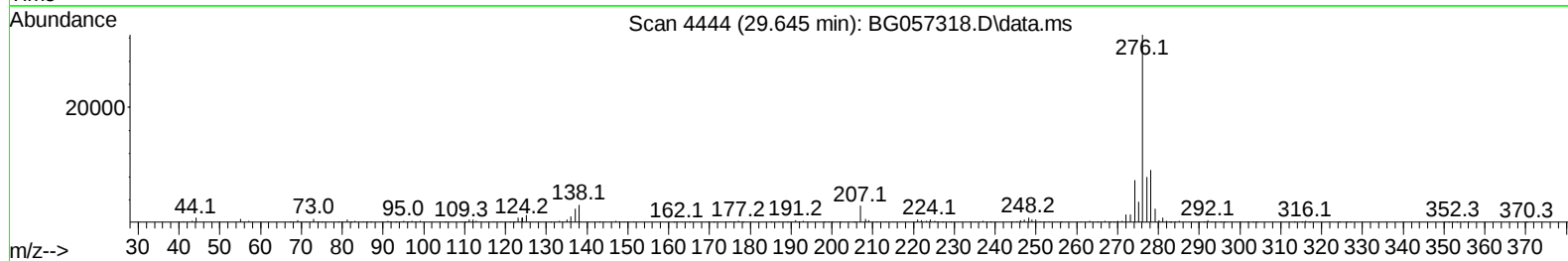
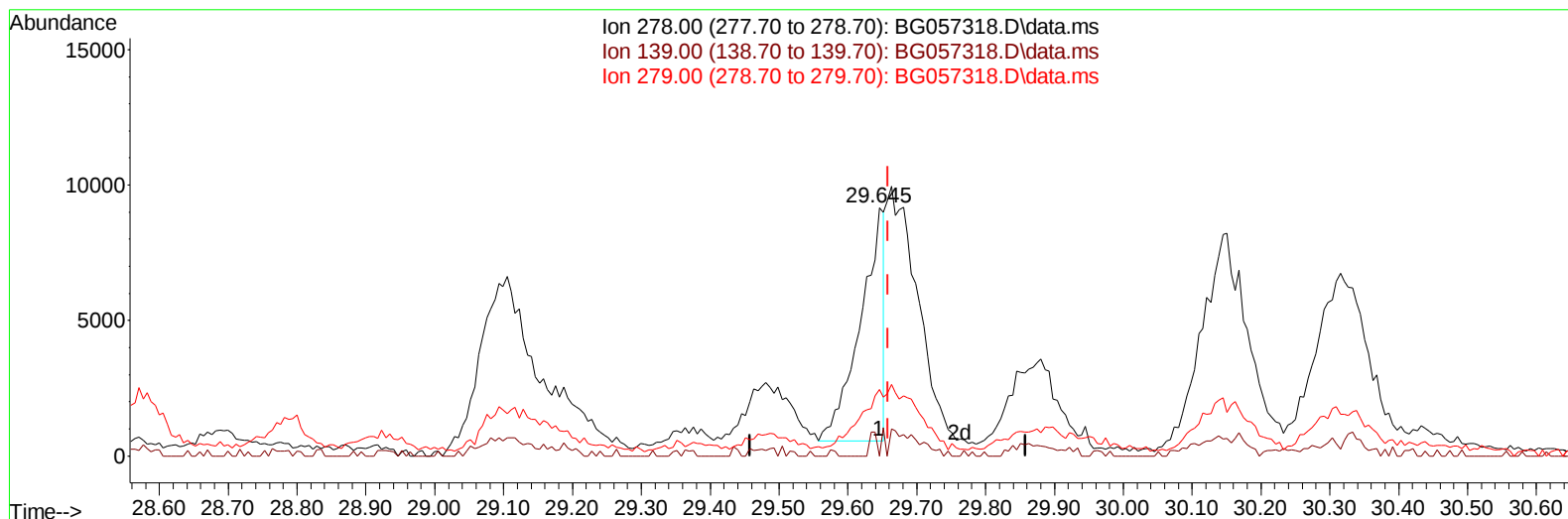
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(95) Dibenzo(a,h)anthracene

29.645min (-0.013) 2.46 ng/u1

response 20688

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	0.00#
279.00	22.90	26.76
0.00	0.00	0.00

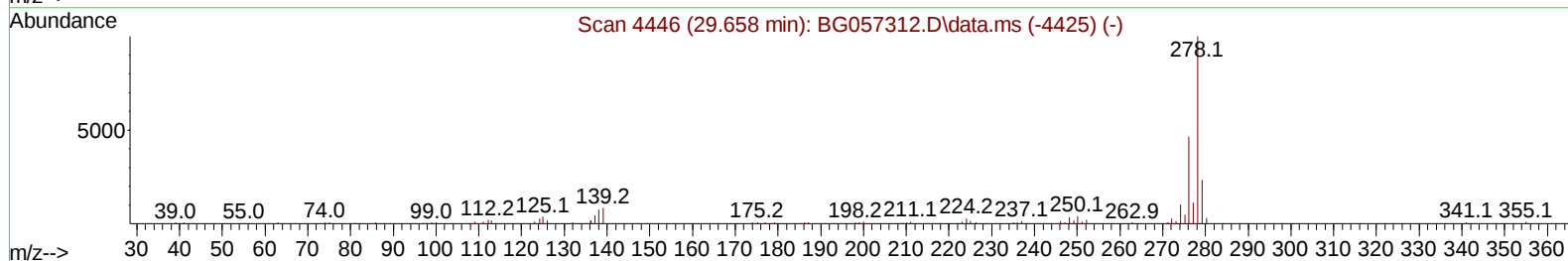
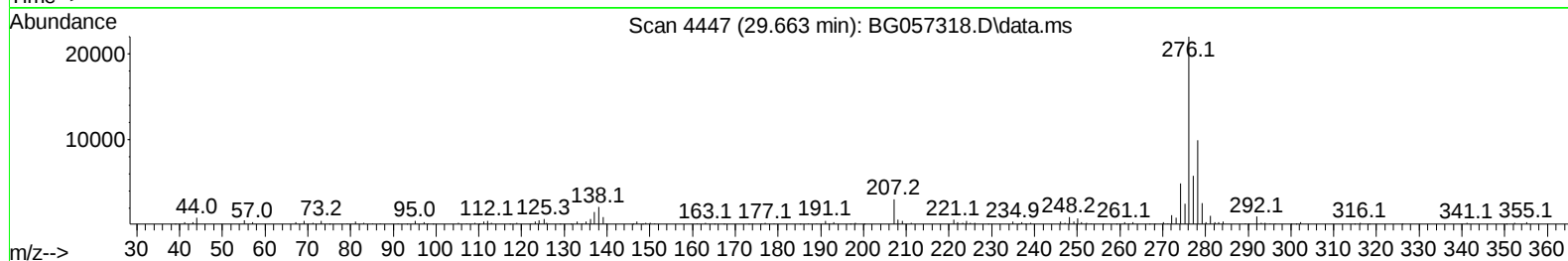
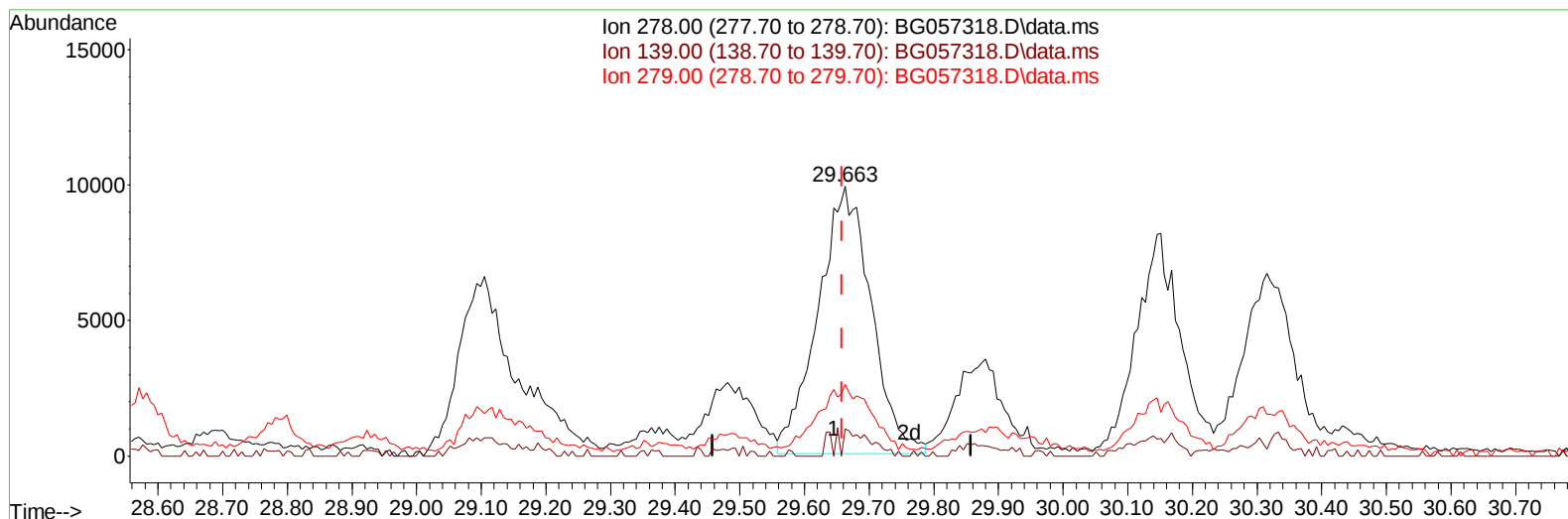
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:45:25 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: BG057318.D\data.ms

(95) Dibenzo(a,h)anthracene

29.663min (+ 0.005) 6.67 ng/ul m

response 56011

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.20	9.99#
279.00	22.90	26.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:47:26 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	8.374	152	19153	20.000	ng/ul	0.00
20) Naphthalene-d8	11.212	136	87925	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.989	164	68565	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.726	188	151949	20.000	ng/ul	0.00
79) Chrysene-d12	22.044	240	128009	20.000	ng/ul	# 0.00
88) Perylene-d12	25.563	264	135554	20.000	ng/ul	0.01
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	7.522	99	444	0.245	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.681	67	257	0.241	ng/ul	0.00
11) 2-Chlorophenol-d4	7.898	132	329	0.276	ng/ul	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/ul	
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	10.841	165	548m	0.348	ng/ul	0.02
31) 4-Chloroaniline-d4	0.000	131	0	0.000	ng/ul	
46) Dimethylphthalate-d6	14.366	166	2368	0.436	ng/ul	0.00
49) Acenaphthylene-d8	14.689	160	2615	0.428	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
60) Fluorene-d10	15.976	176	2292	0.453	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.826	188	3449	0.497	ng/ul	0.00
81) Pyrene-d10	20.099	212	3887	0.512	ng/ul	0.01
92) Benzo(a)pyrene-d12	25.316	264	4181m	0.605	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	11.264	128	7381	1.529	ng/ul	97
36) 2-Methylnaphthalene	12.839	142	3898	1.101	ng/ul	99
50) Acenaphthylene	14.719	152	6674m	1.076	ng/ul	
52) Acenaphthene	15.053	153	15574	3.523	ng/ul	93
56) Dibenzofuran	15.382	168	17497	2.741	ng/ul	98
61) Fluorene	16.029	166	26074	4.830	ng/ul	99
72) Phenanthrene	17.773	178	426162	53.857	ng/ul	98
74) Anthracene	17.861	178	84504	10.632	ng/ul	98
77) Carbazole	18.126	167	36300	5.465	ng/ul	100
80) Fluoranthene	19.765	202	708145	78.458	ng/ul	97
82) Pyrene	20.123	202	563250	61.644	ng/ul	98
85) Benzo(a)anthracene	22.020	228	324070	35.795	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.862	149	7478	1.757	ng/ul	97
87) Chrysene	22.097	228	320371	37.507	ng/ul	96
90) Benzo(b)fluoranthene	24.447	252	378502	40.322	ng/ul	95
91) Benzo(k)fluoranthene	24.505	252	157019m	17.194	ng/ul	
93) Benzo(a)pyrene	25.398	252	259183m	31.982	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.634	276	173406	17.118	ng/ul	98
95) Dibenzo(a,h)anthracene	29.663	278	56011m	6.668	ng/ul	
96) Benzo(g,h,i)perylene	30.908	276	133890	16.331	ng/ul	97

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

Instrument :

BNA_G

ClientSampleId :

EW946DL

Manual IntegrationsAPPROVED

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057318.D
Acq On : 5 May 2023 14:58
Operator : CG/JU
Sample : 02479-05DL 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946DL

Manual IntegrationsAPPROVED

Quant Time: May 06 00:47:26 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

