

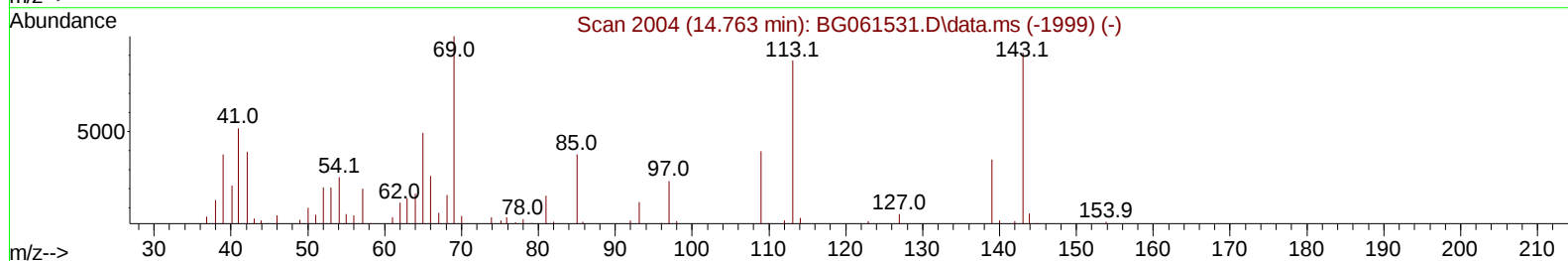
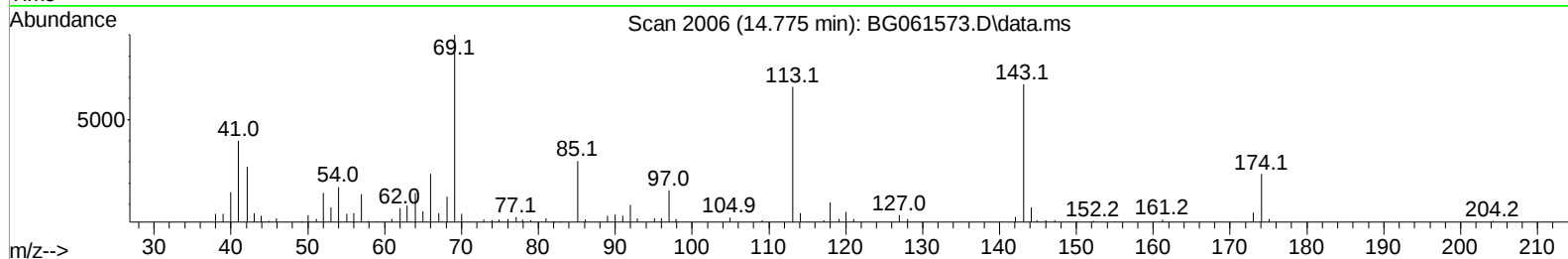
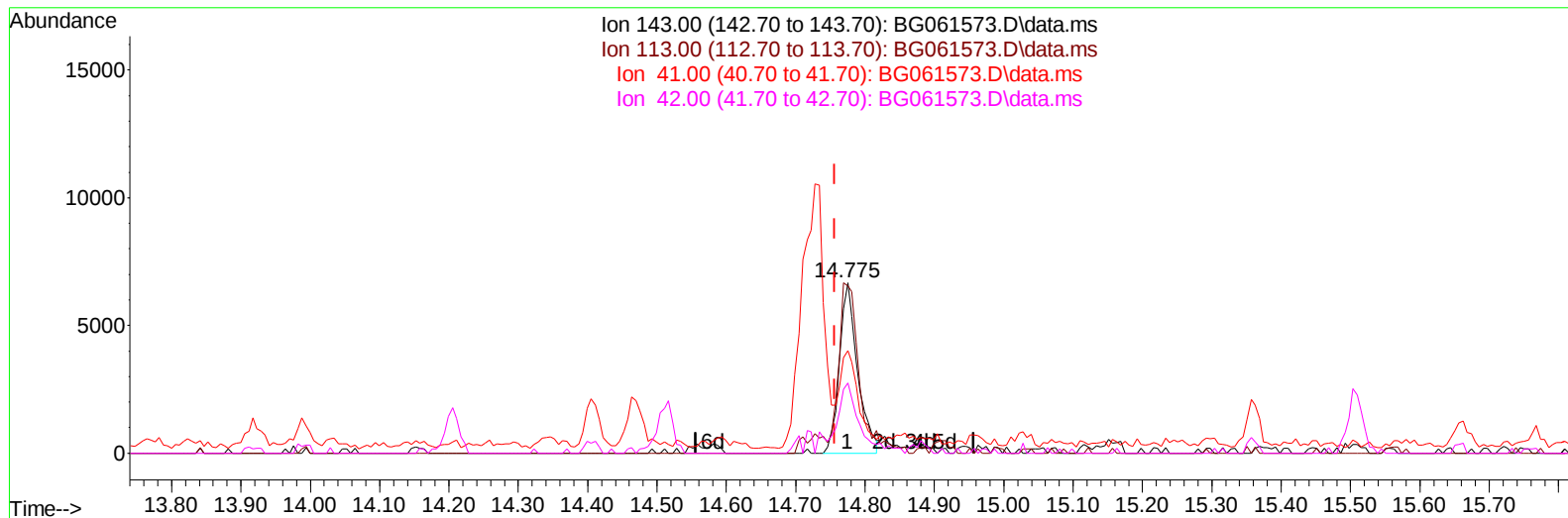
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.775min (+ 0.019) 15.89 ng/u1

response 12084

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	98.04
41.00	77.10	59.92#
42.00	49.50	41.29

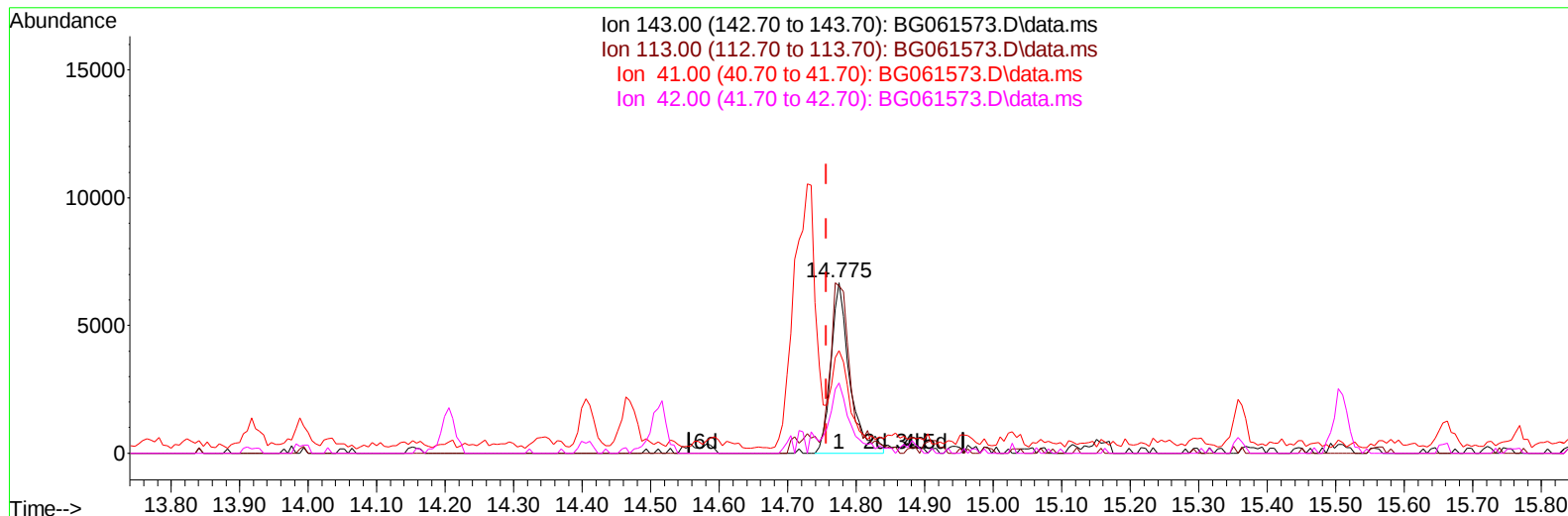
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
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Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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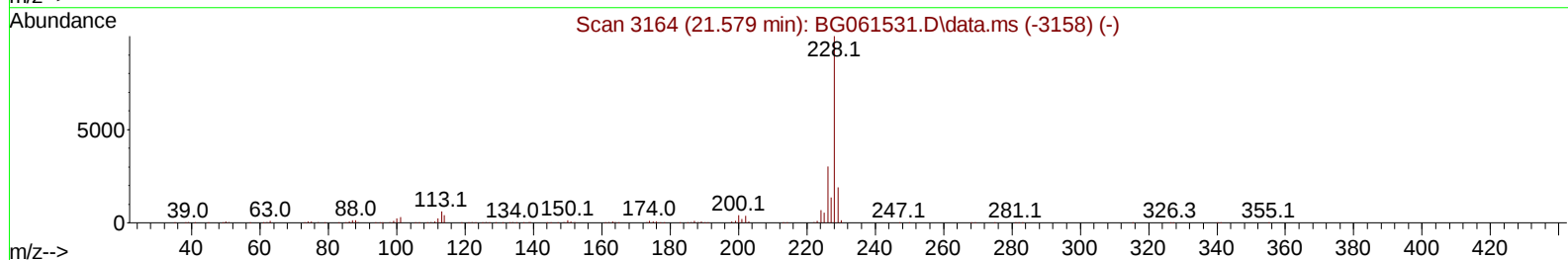
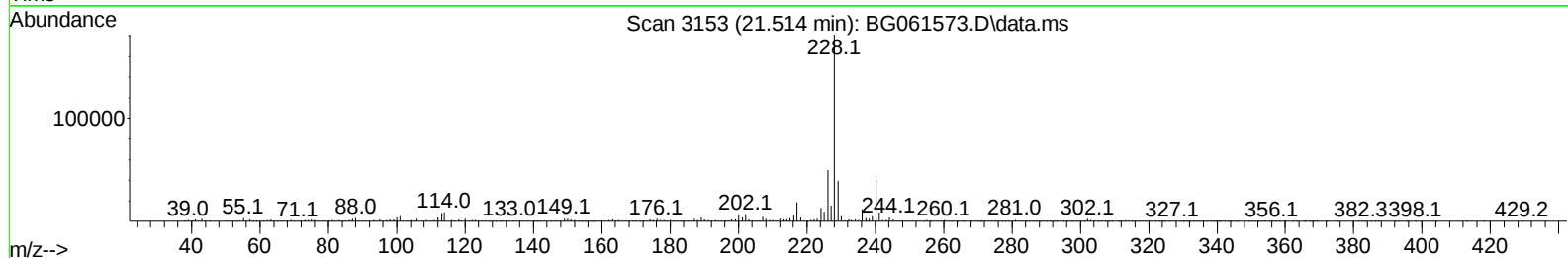
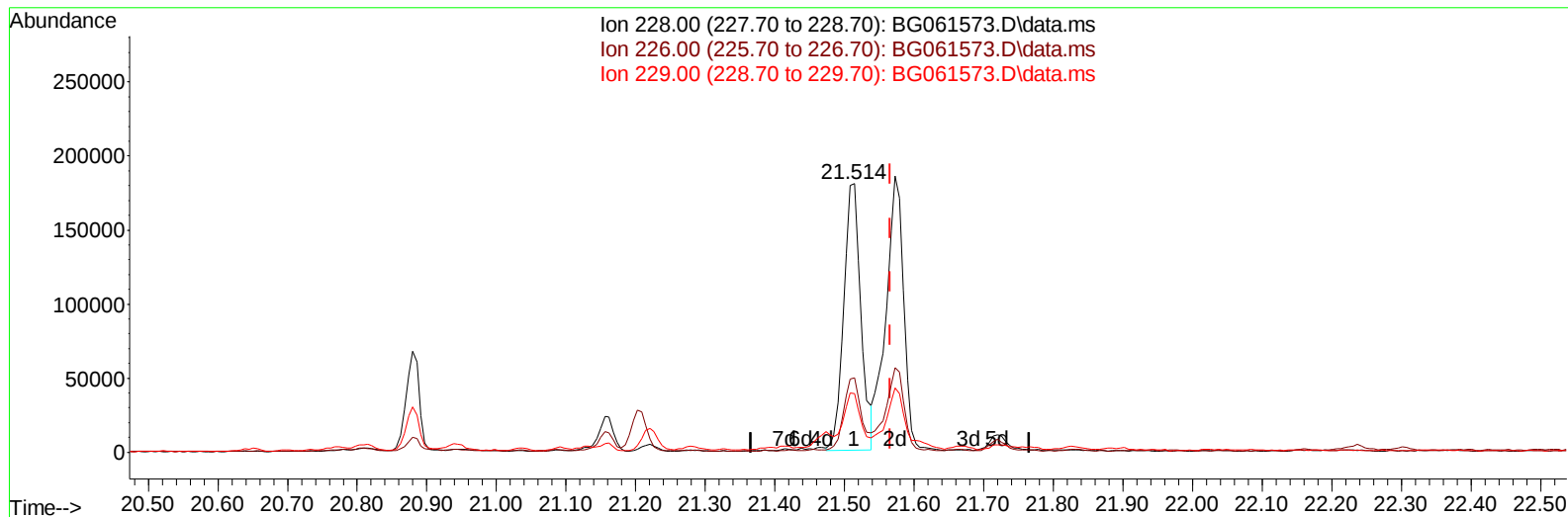
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:26:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(87) Chrysene

21.514min (-0.052) 24.40 ng/u1

response 306994

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.20	27.65
229.00	19.30	21.80
0.00	0.00	0.00

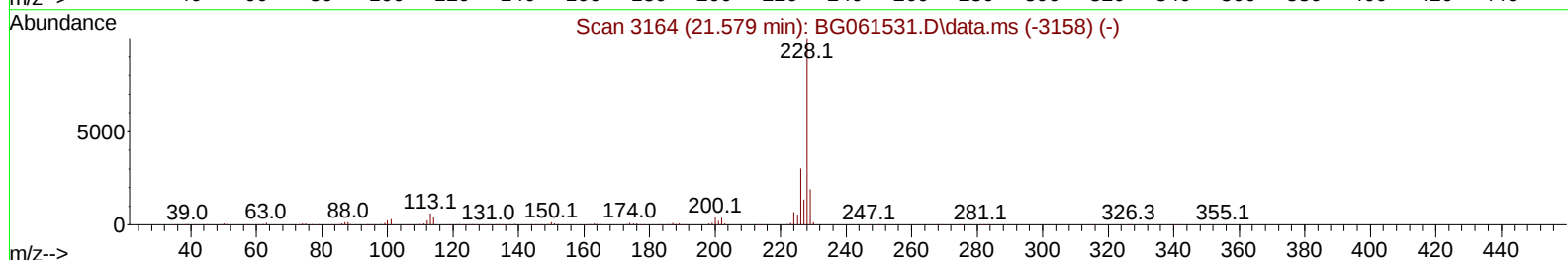
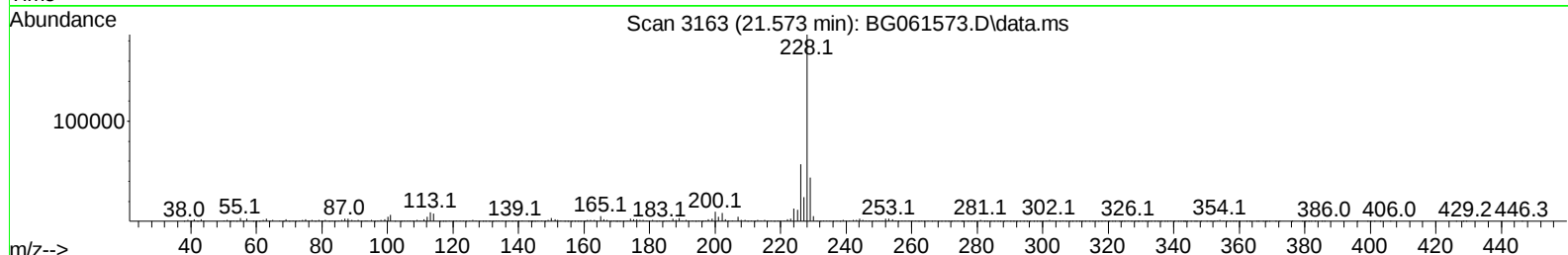
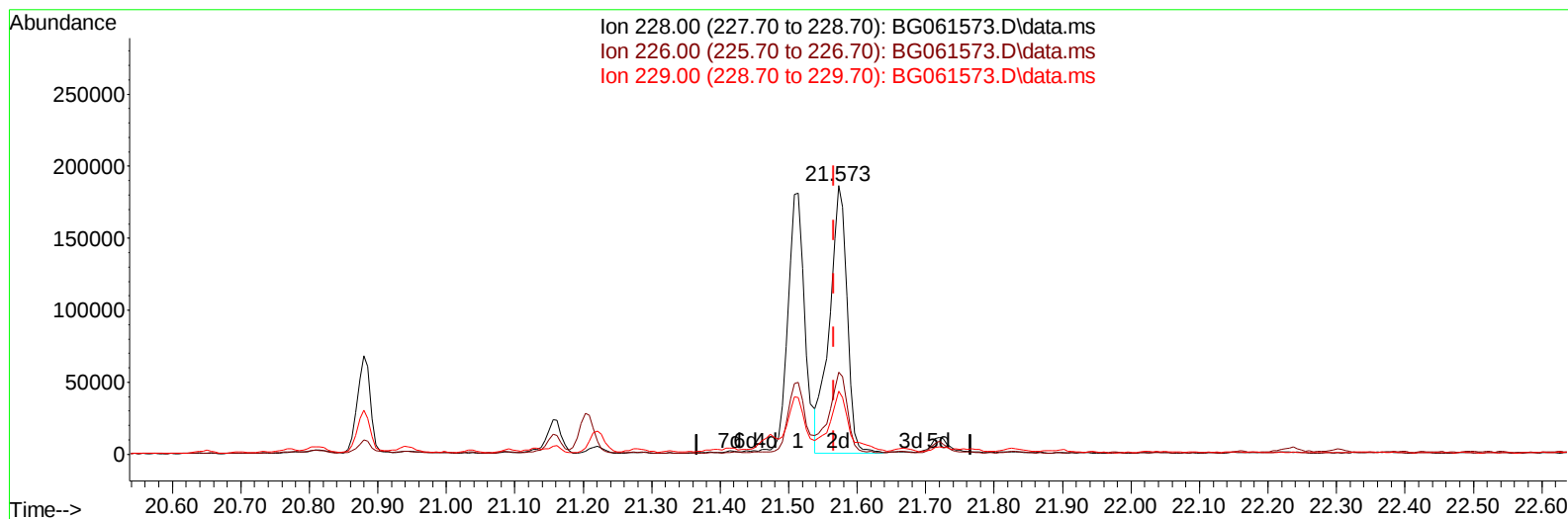
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:26:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(87) Chrysene

21.573min (+ 0.007) 26.55 ng/ul m

response 334003

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.20	30.57
229.00	19.30	23.38#
0.00	0.00	0.00

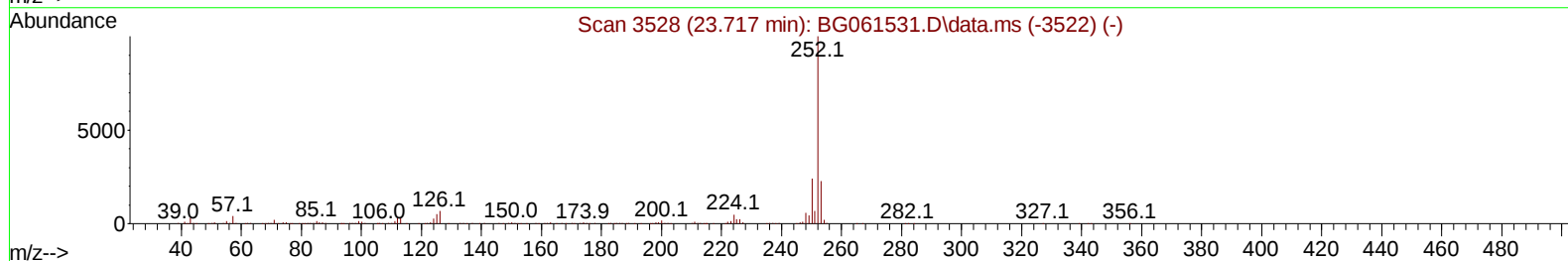
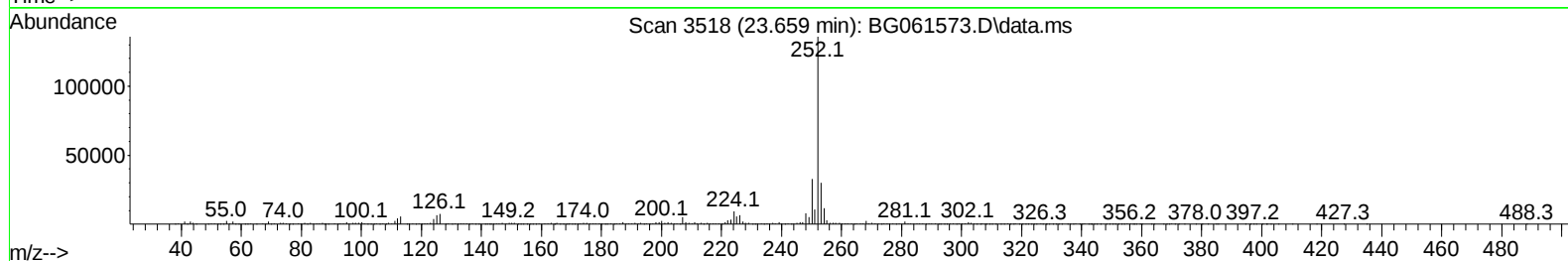
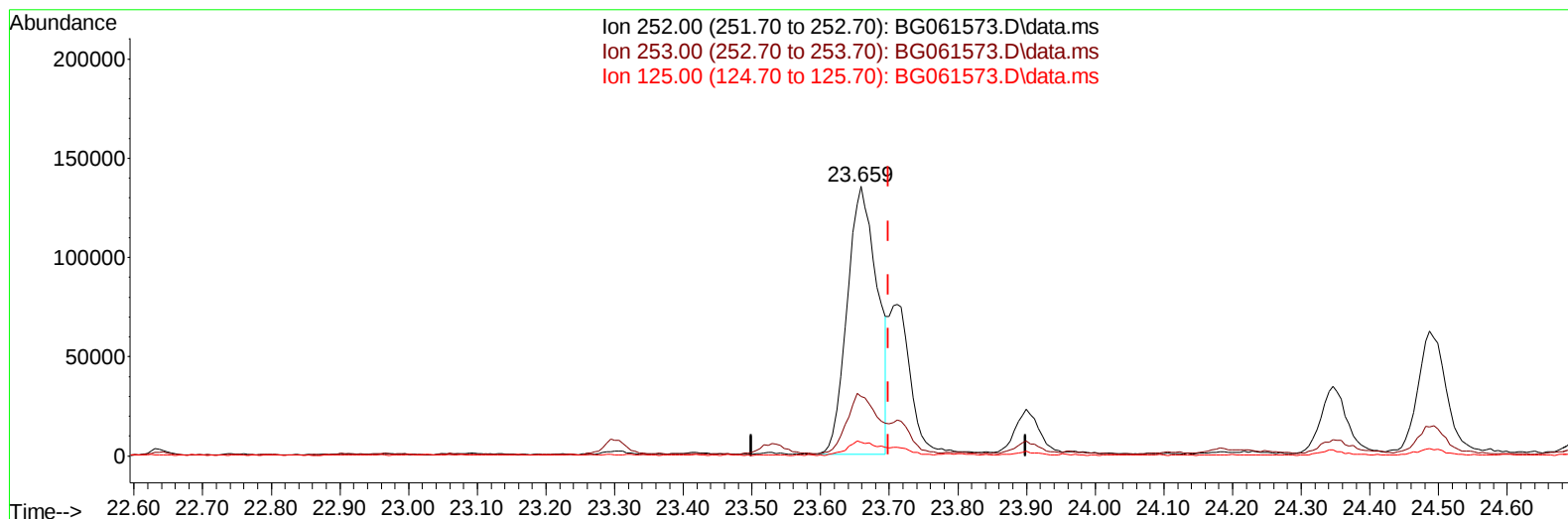
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:27:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(91) Benzo(k)fluoranthene

23.659min (-0.040) 30.35 ng/u1

response 411417

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	22.18
125.00	5.40	5.03
0.00	0.00	0.00

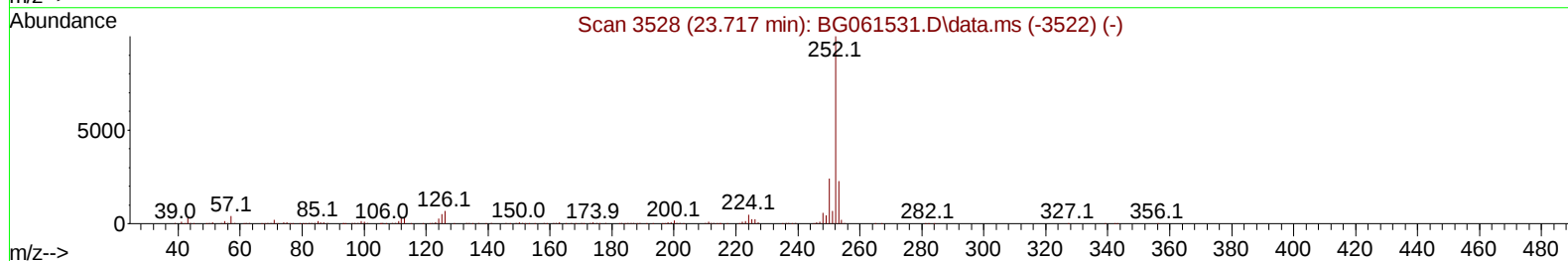
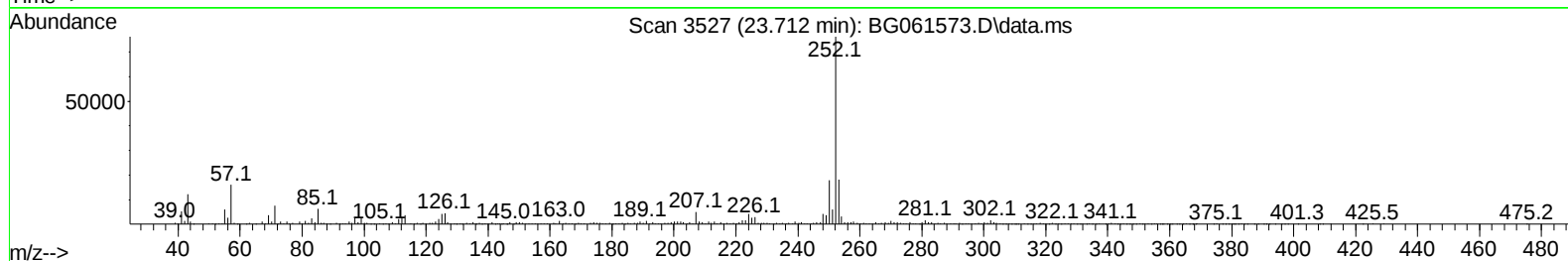
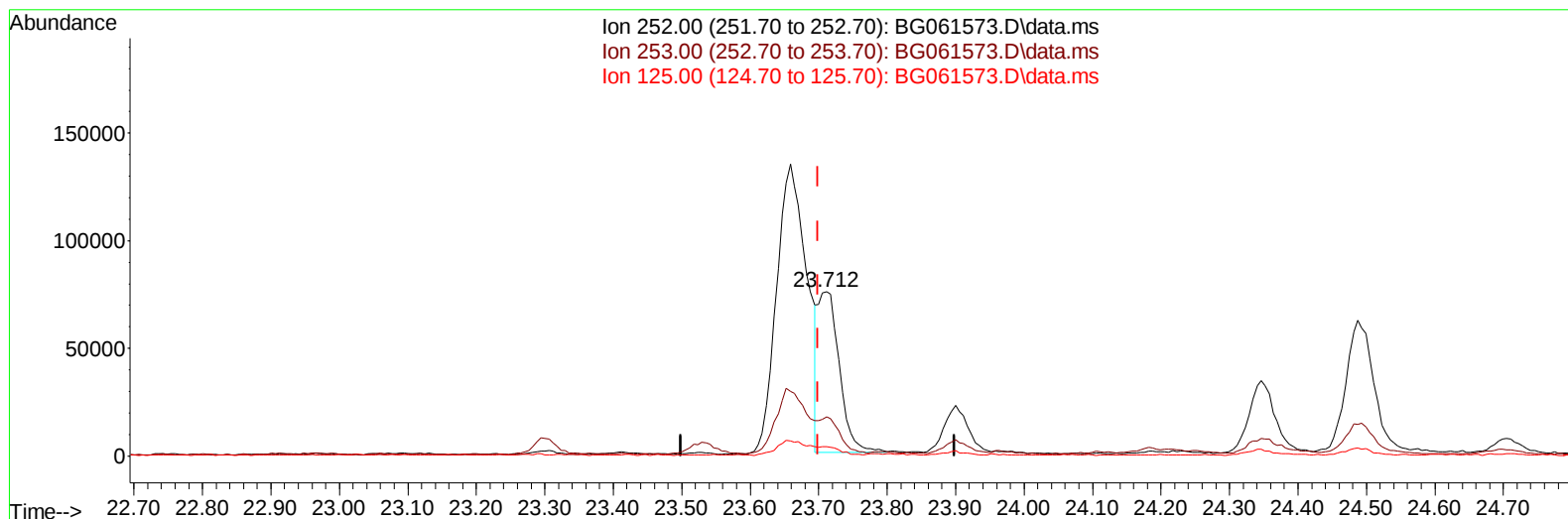
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:27:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(91) Benzo(k)fluoranthene

23.712min (+ 0.013) 12.02 ng/ul m

response 162957

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	23.84
125.00	5.40	5.73
0.00	0.00	0.00

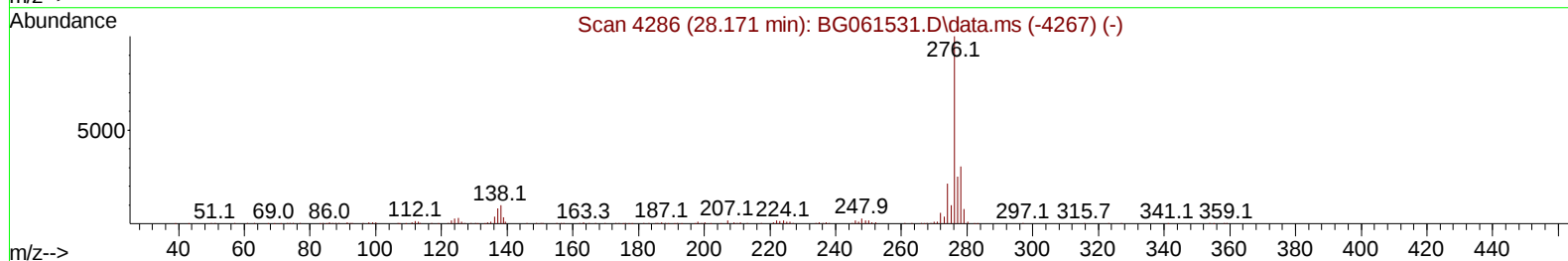
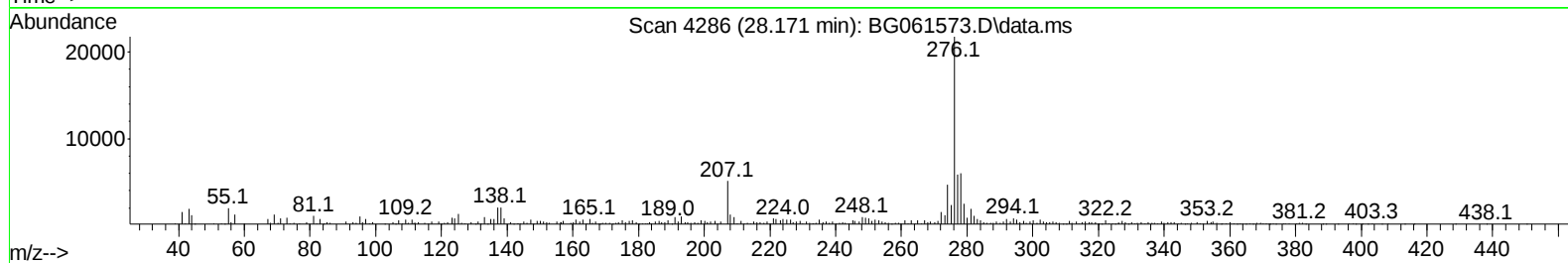
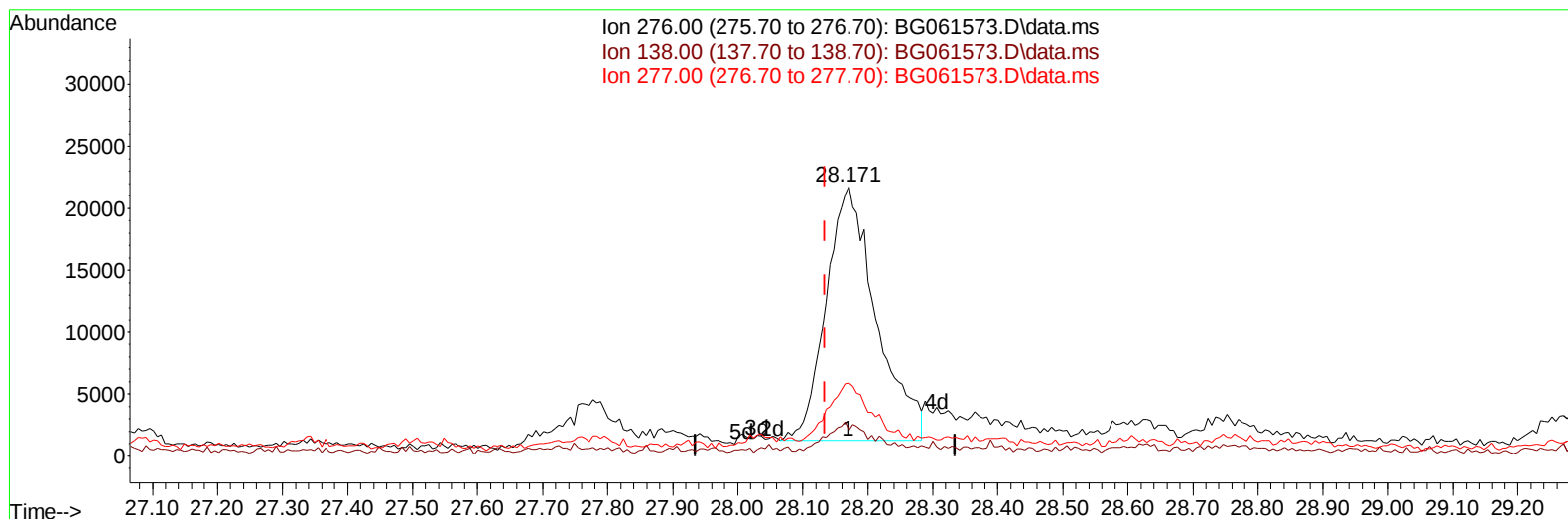
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:28:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

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

28.171min (+ 0.036) 7.20 ng/u1

response 110475

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.59
277.00	24.60	27.04
0.00	0.00	0.00

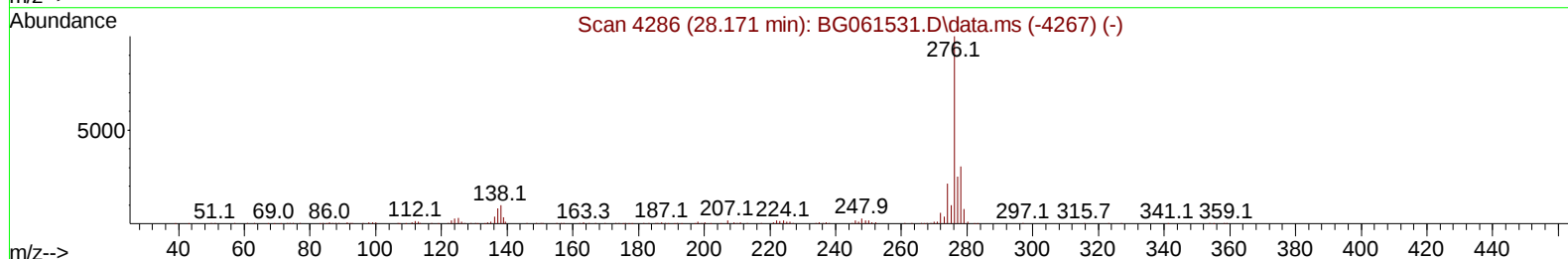
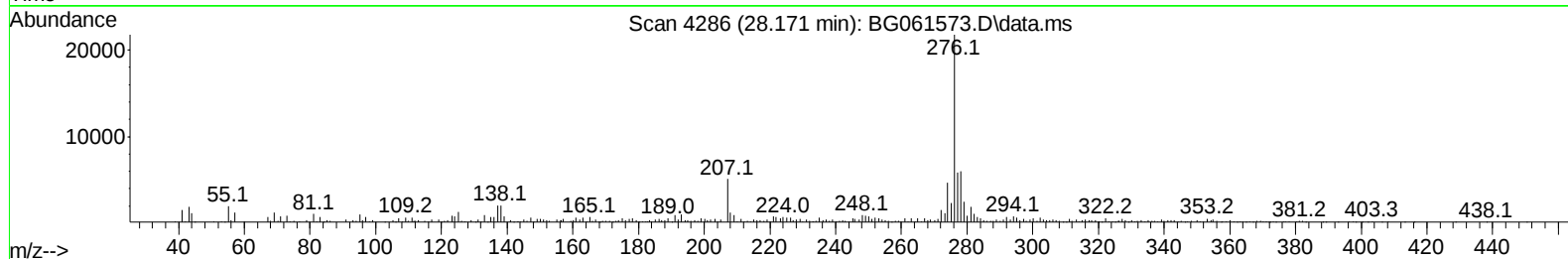
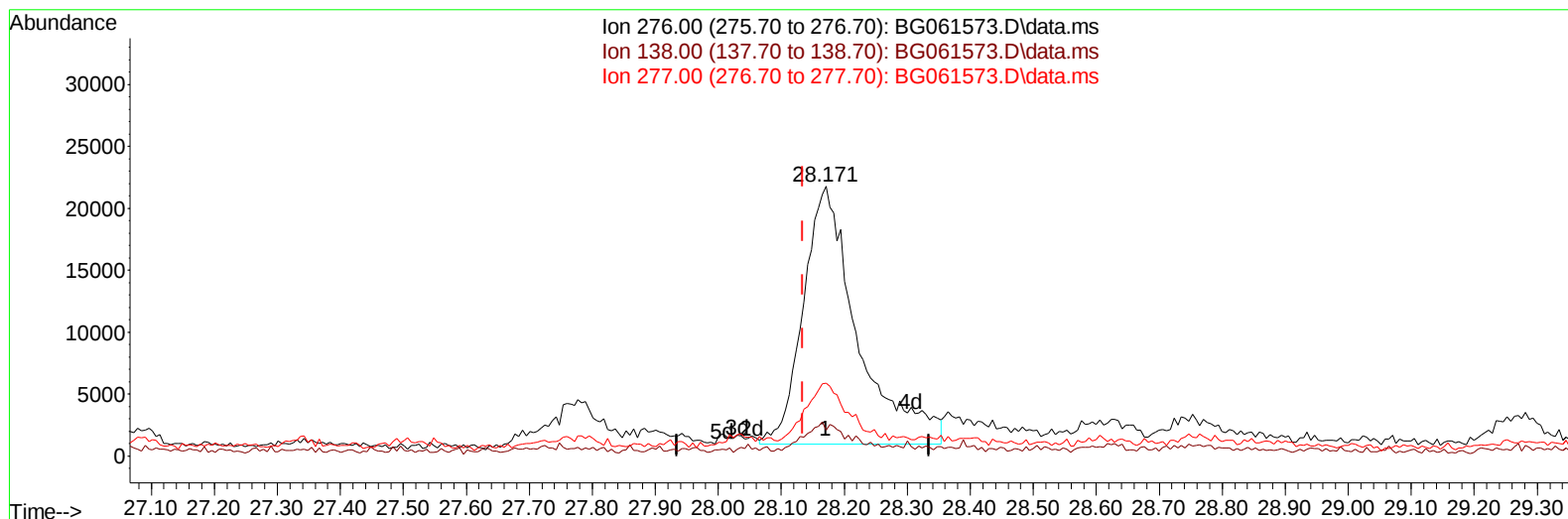
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:28:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

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

28.171min (+ 0.036) 8.11 ng/ul m

response 124368

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.59
277.00	24.60	27.04
0.00	0.00	0.00

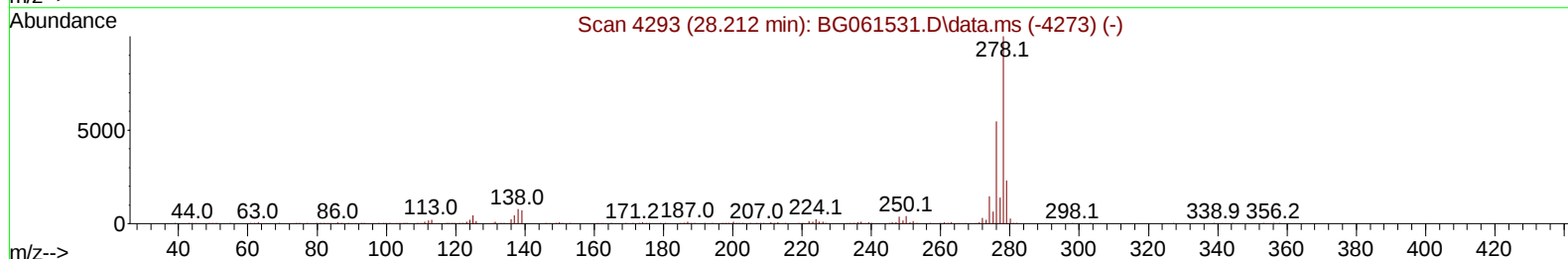
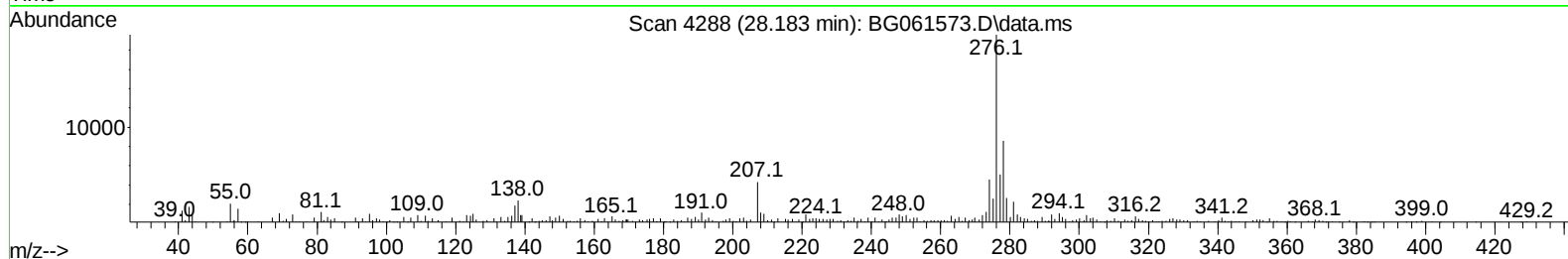
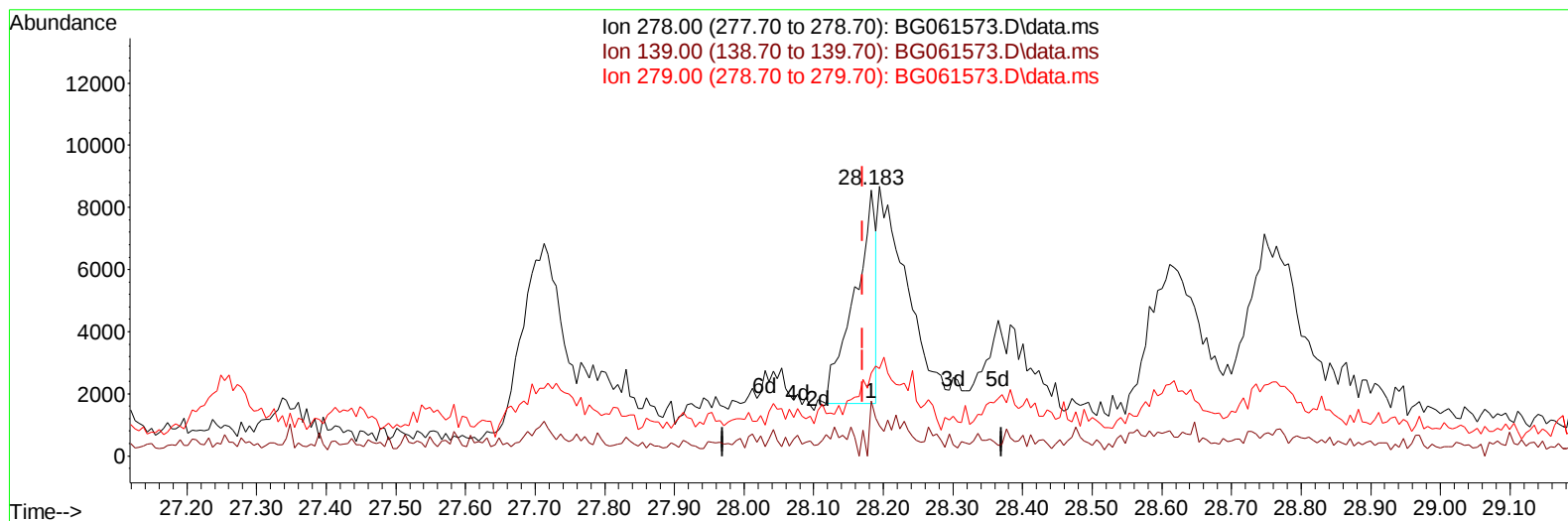
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:28:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(95) Dibenzo(a,h)anthracene

28.183min (+ 0.013) 1.15 ng/u1

response 14545

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	20.66#
279.00	24.90	31.18#
0.00	0.00	0.00

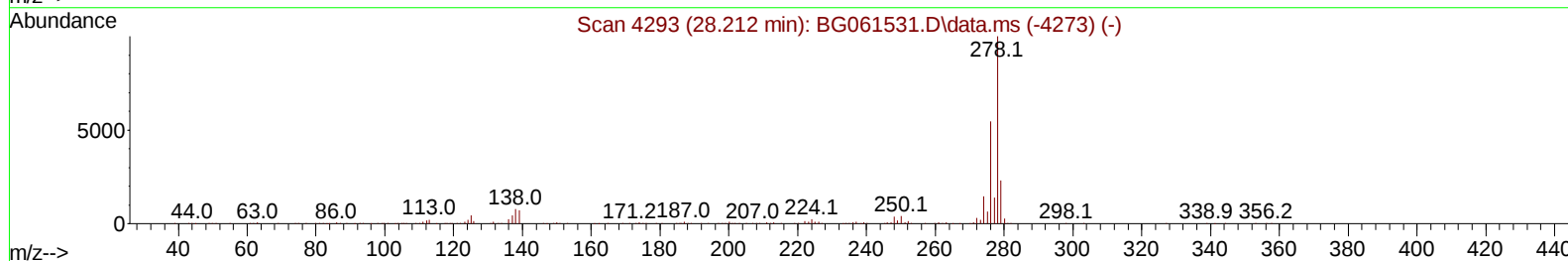
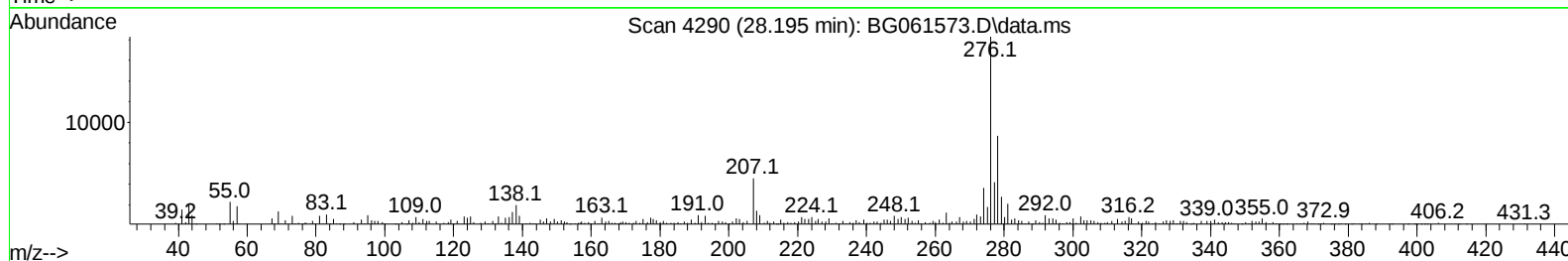
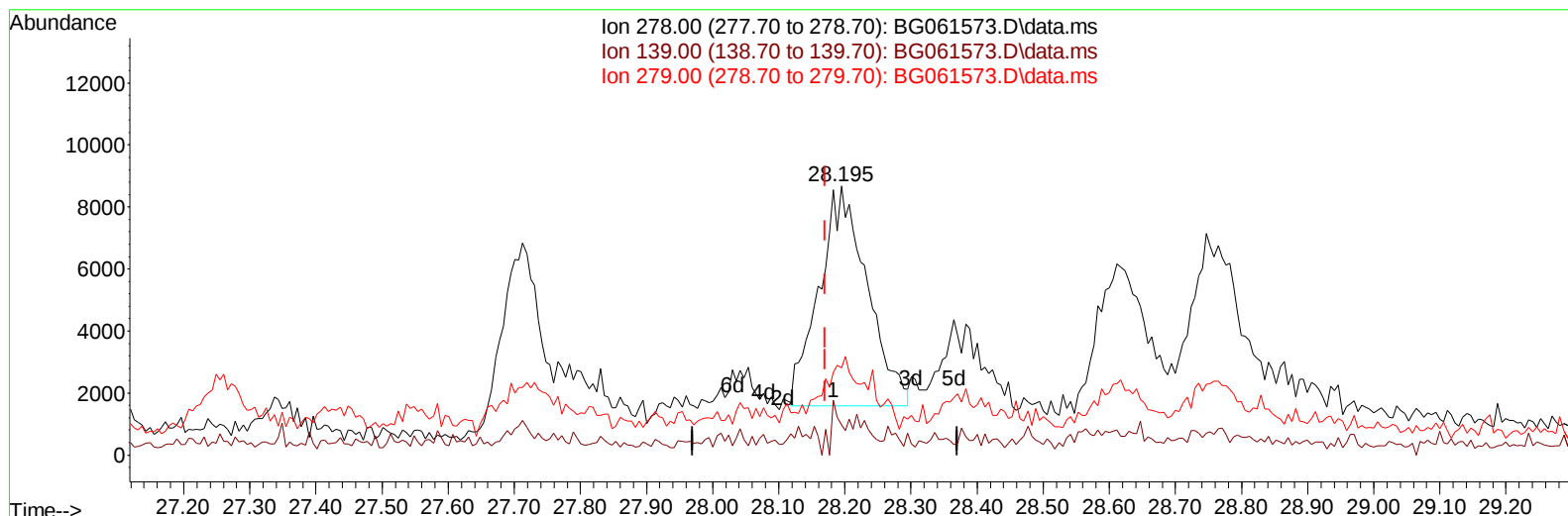
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 Sample : P2647-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:28:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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 QLast Update : Thu Jun 06 12:15:45 2024
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 Supervised By :mohammad ahmed 06/10/2024



TIC: BG061573.D\data.ms

(95) Dibenzo(a,h)anthracene

28.195min (+ 0.024) 2.82 ng/ul m

response 35708

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	11.21#
279.00	24.90	32.55#
0.00	0.00	0.00

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 Sample : P2647-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:29:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
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Reviewed By :Yogesh Patel 06/10/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	26916	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	107845	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.511	164	79329	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.266	188	186085	20.000	ng/ul	0.00
79) Chrysene-d12	21.532	240	198018	20.000	ng/ul	0.01
88) Perylene-d12	24.634	264	224282	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	1706	3.547	ng/uL	-0.03
4) Pyridine-d5	3.747	84	11939	6.978	ng/ul	-0.02
7) Phenol-d5	7.072	99	7014	3.173	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	25643	18.457	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.419	132	37373	22.846	ng/ul	0.00
15) 4-Methylphenol-d8	8.653	113	36489	19.360	ng/ul	0.05
21) Nitrobenzene-d5	9.035	128	18504	22.285	ng/ul	0.00
24) 2-Nitrophenol-d4	9.769	143	21457	22.080	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.310	165	44811	23.653	ng/ul	0.00
31) 4-Chloroaniline-d4	10.809	131	25393	10.245	ng/ul	0.00
46) Dimethylphthalate-d6	13.917	166	139050	22.600	ng/ul	0.00
49) Acenaphthylene-d8	14.205	160	150844	23.582	ng/ul	0.00
54) 4-Nitrophenol-d4	14.775	143	12740m	16.749	ng/ul	0.02
60) Fluorene-d10	15.509	176	124749	23.485	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.662	200	13298	11.815	ng/ul	0.01
73) Anthracene-d10	17.366	188	206366	25.155	ng/ul	0.00
81) Pyrene-d10	19.663	212	227392	22.365	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.423	264	195740	18.153	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.721	128	13530	2.377	ng/ul#	95
36) 2-Methylnaphthalene	12.331	142	7564	1.832	ng/ul	99
37) 1-Methylnaphthalene	12.548	142	7447	1.758	ng/ul	89
52) Acenaphthene	14.575	153	8609	1.850	ng/ul	97
56) Dibenzofuran	14.916	168	10153	1.526	ng/ul	87
59) Diethylphthalate	15.327	149	29544	4.665	ng/ul	99
61) Fluorene	15.562	166	11239	1.953	ng/ul#	88
72) Phenanthrene	17.307	178	268451	29.723	ng/ul	99
74) Anthracene	17.401	178	39622	4.243	ng/ul	99
77) Carbazole	17.672	167	22414	2.951	ng/ul	96
80) Fluoranthene	19.328	202	553462	45.377	ng/ul	98
82) Pyrene	19.693	202	439445	34.710	ng/ul	97
83) Butylbenzylphthalate	20.574	149	5526	1.271	ng/ul#	96
85) Benzo(a)anthracene	21.514	228	308429	22.573	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.408	149	43094	6.694	ng/ul	96
87) Chrysene	21.573	228	334003m	26.548	ng/ul	
90) Benzo(b)fluoranthene	23.659	252	411417	30.809	ng/ul	99
91) Benzo(k)fluoranthene	23.712	252	162957m	12.021	ng/ul	
93) Benzo(a)pyrene	24.487	252	172765	13.625	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.171	276	124368m	8.110	ng/ul	
95) Dibenzo(a,h)anthracene	28.195	278	35708m	2.824	ng/ul	

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 10 00:29:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
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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\BG060724\
Data File : BG061573.D
Acq On : 8 Jun 2024 20:19
Operator : MA/JU
Sample : P2647-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBT2

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:29:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
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