

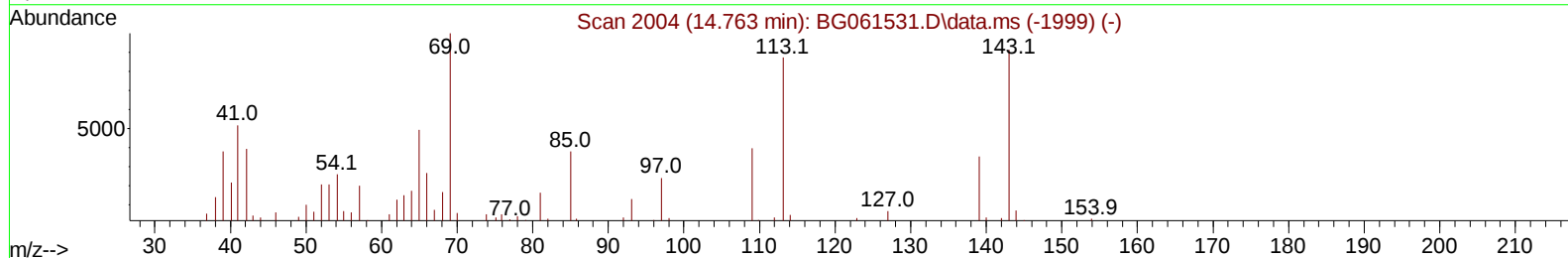
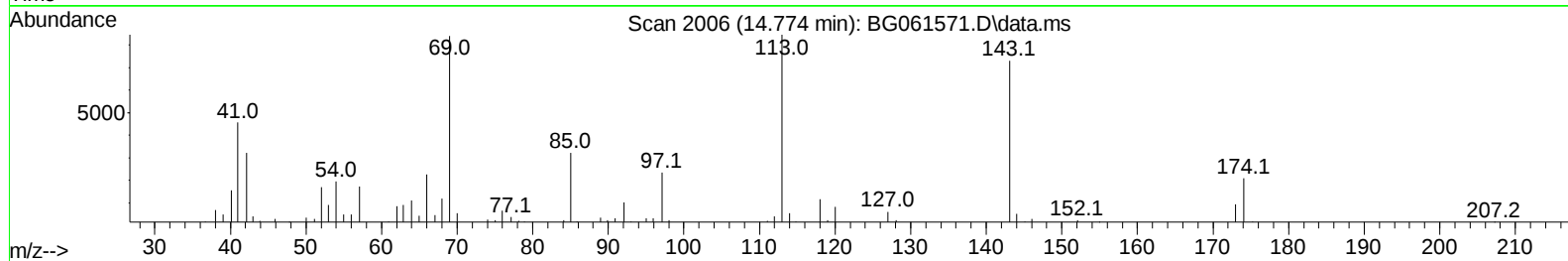
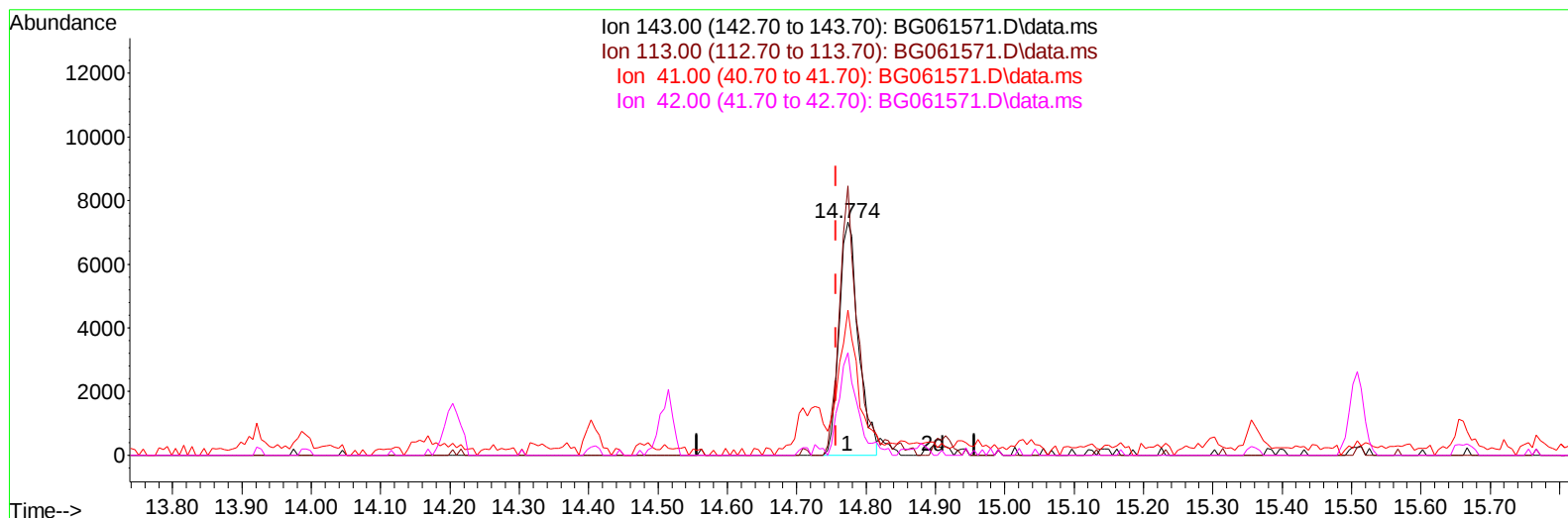
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:02:45 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: BG061571.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.774min (+ 0.017) 19.31 ng/u1

response 14085

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	115.57
41.00	77.10	62.37
42.00	49.50	44.00

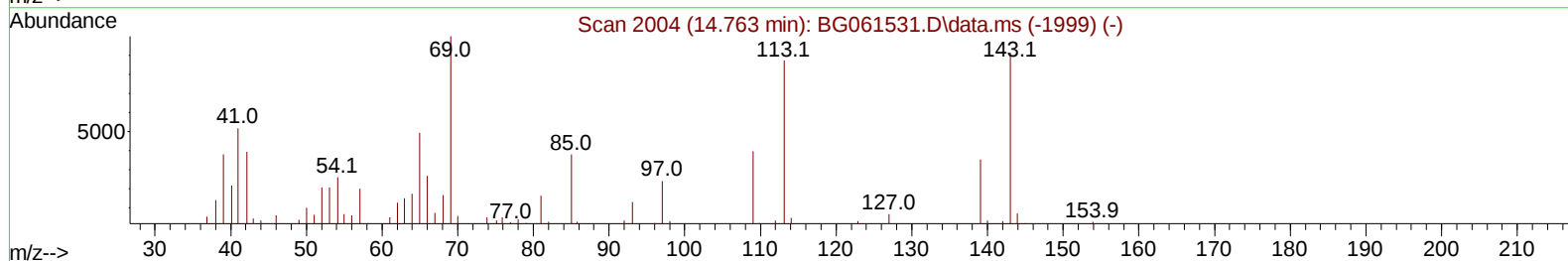
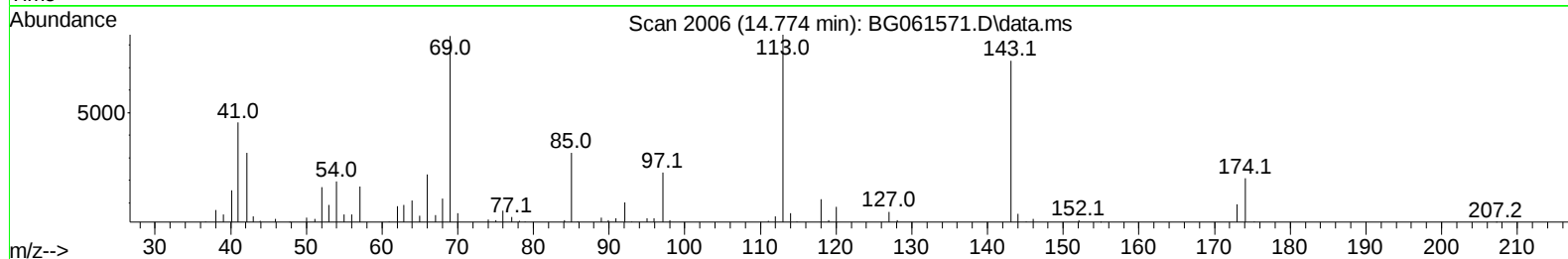
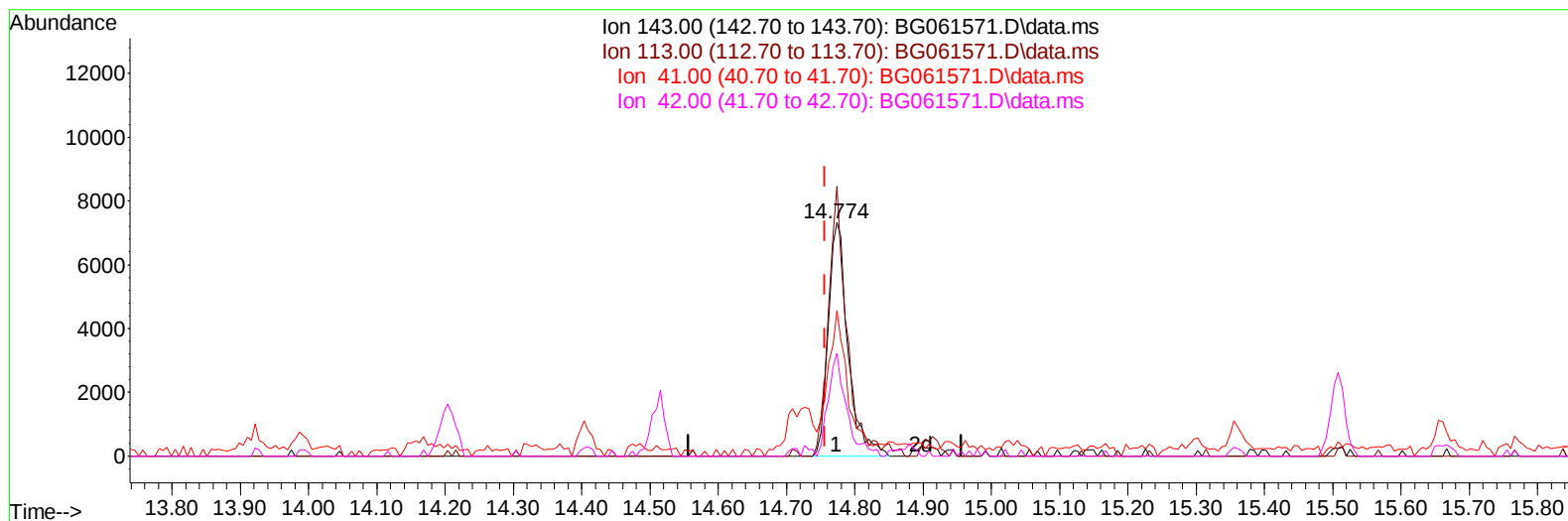
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:02:45 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: BG061571.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.774min (+ 0.017) 20.09 ng/ul m

response 14649

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	115.57
41.00	77.10	62.37
42.00	49.50	44.00

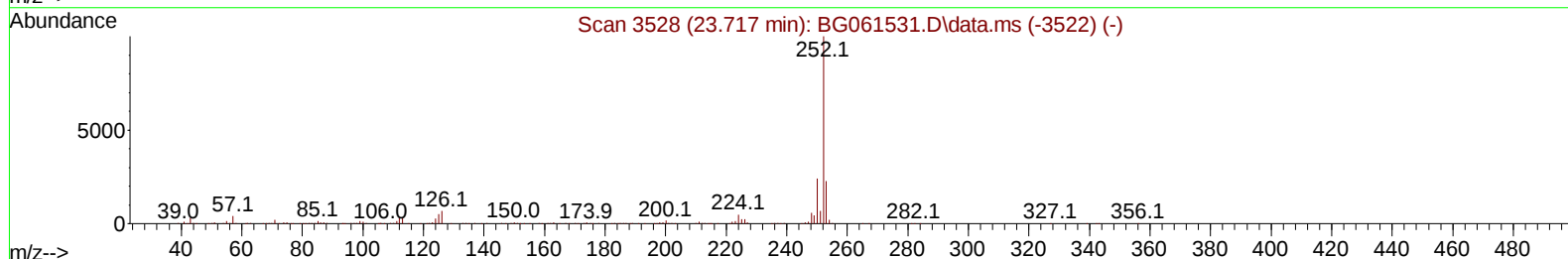
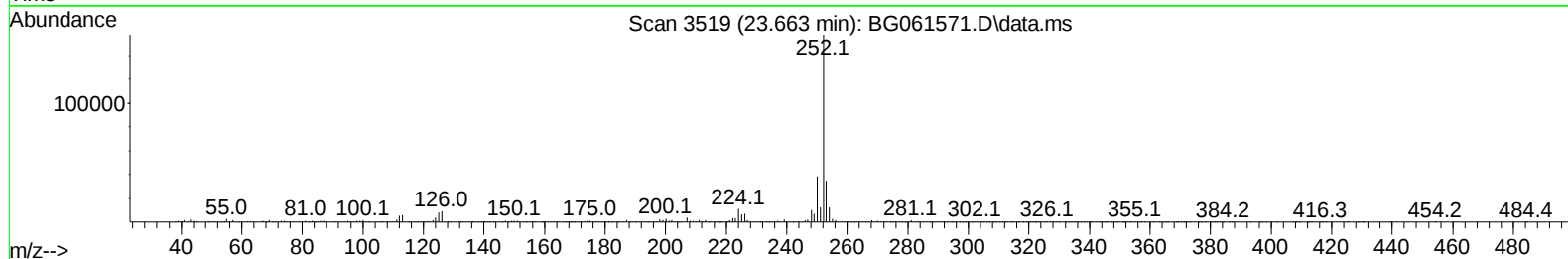
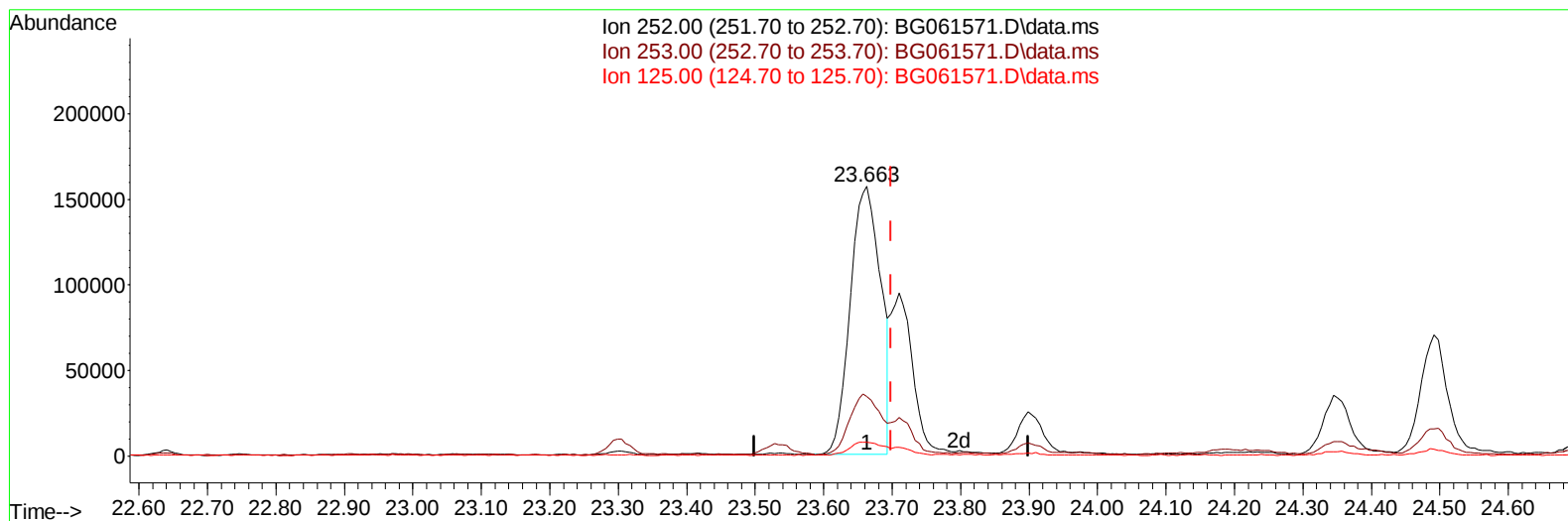
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:13:57 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: BG061571.D\data.ms

(91) Benzo(k)fluoranthene

23.663min (-0.036) 37.31 ng/u1

response 482309

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	22.11
125.00	5.40	5.06
0.00	0.00	0.00

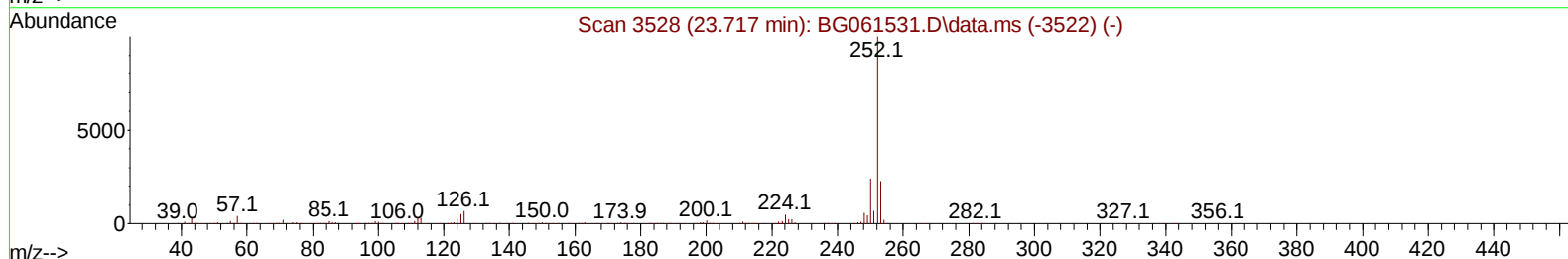
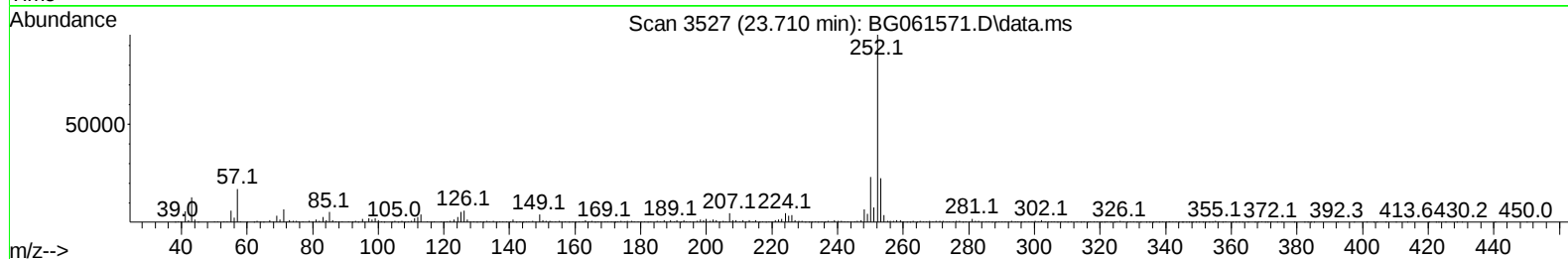
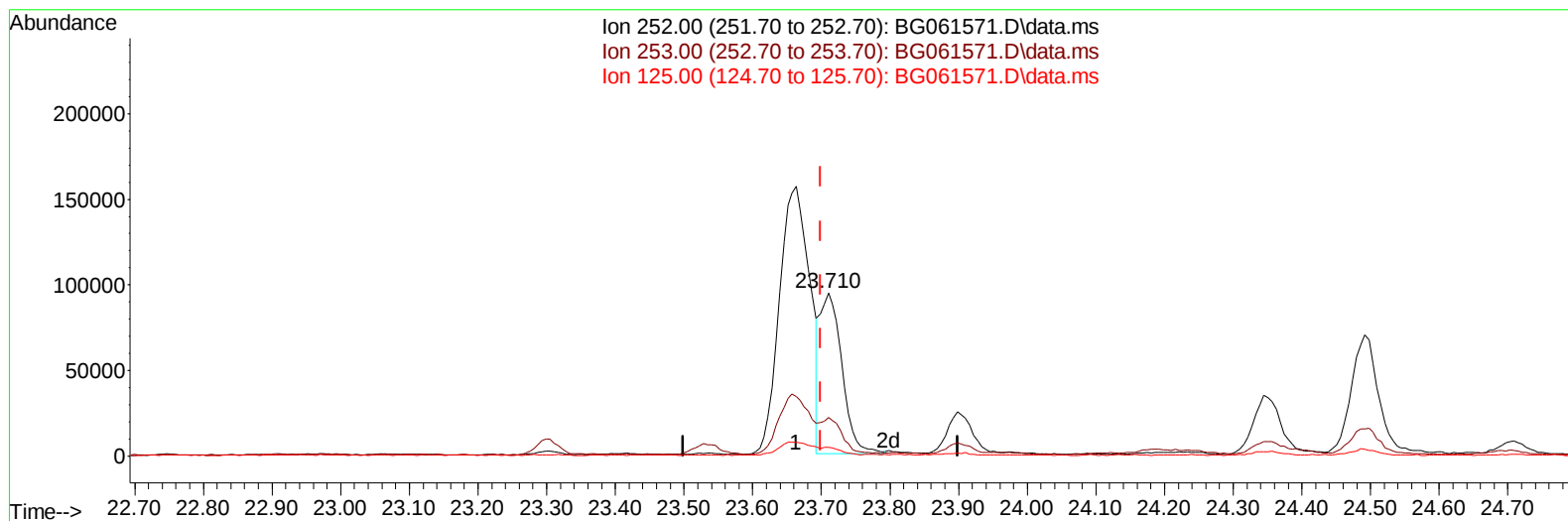
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:13:57 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: BG061571.D\data.ms

(91) Benzo(k)fluoranthene

23.710min (+ 0.011) 15.91 ng/ul m

response 205665

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	23.69
125.00	5.40	5.45
0.00	0.00	0.00

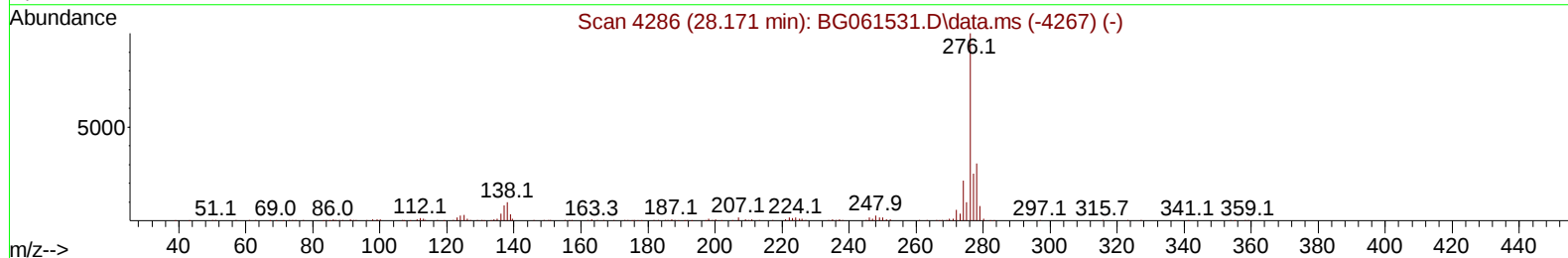
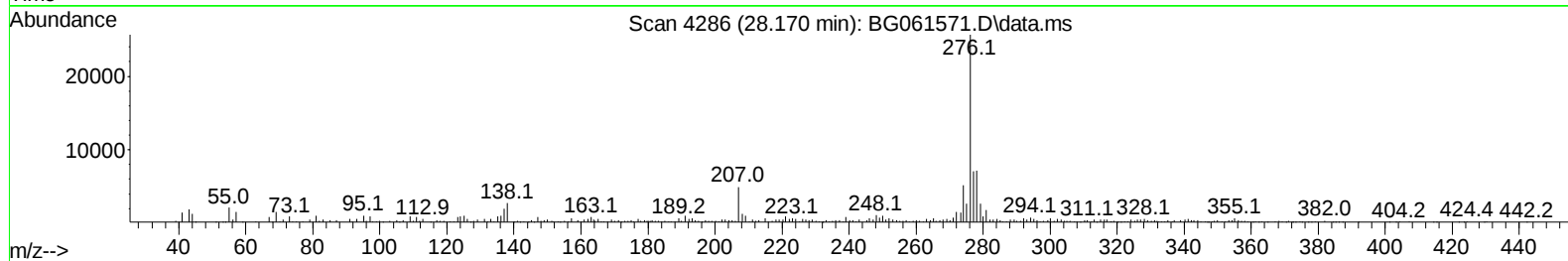
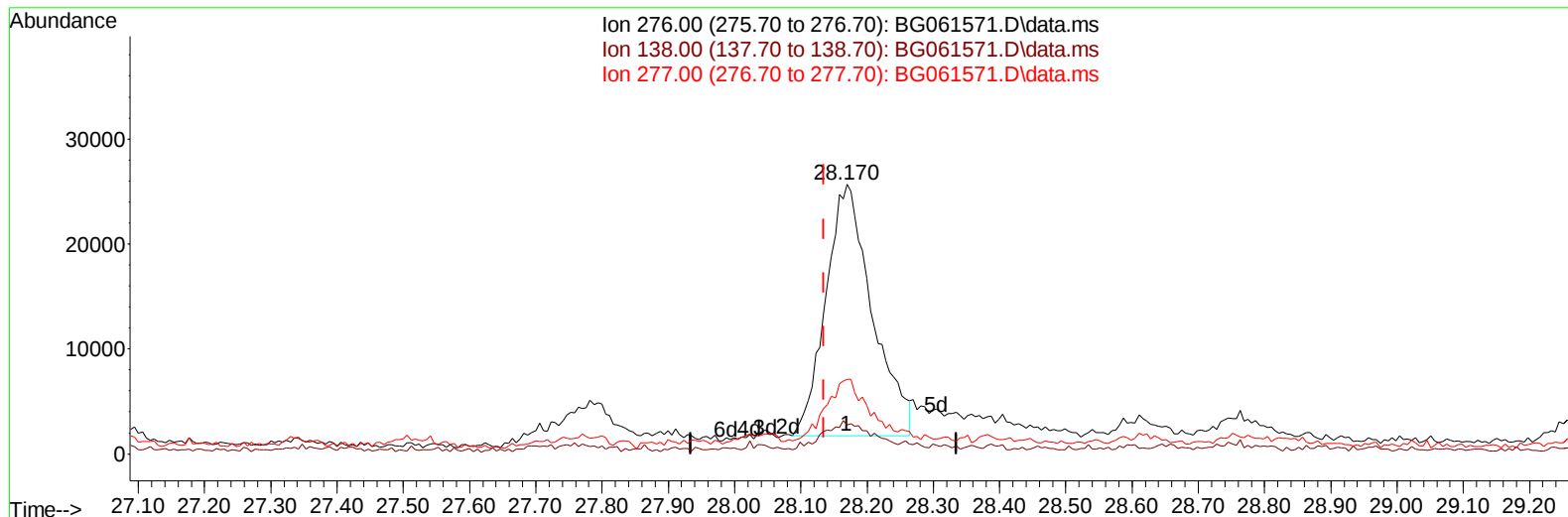
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:14:50 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: BG061571.D\data.ms

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

28.170min (+ 0.035) 7.94 ng/u1

response 116088

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	10.67
277.00	24.60	27.66
0.00	0.00	0.00

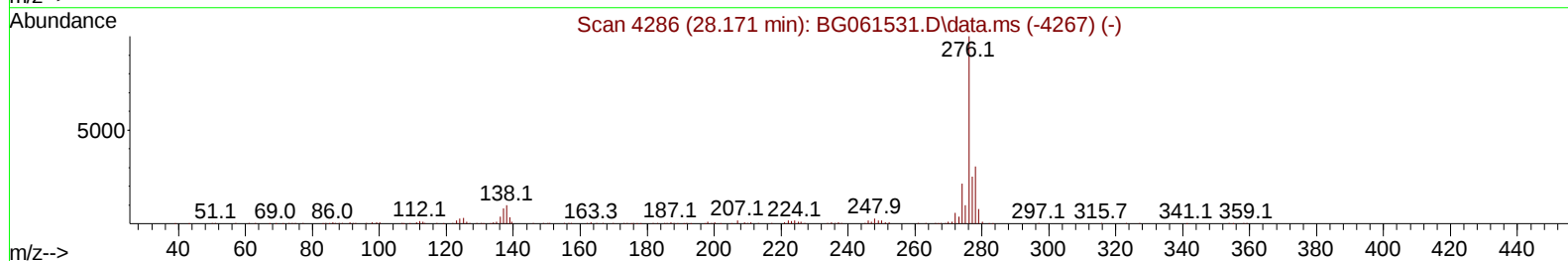
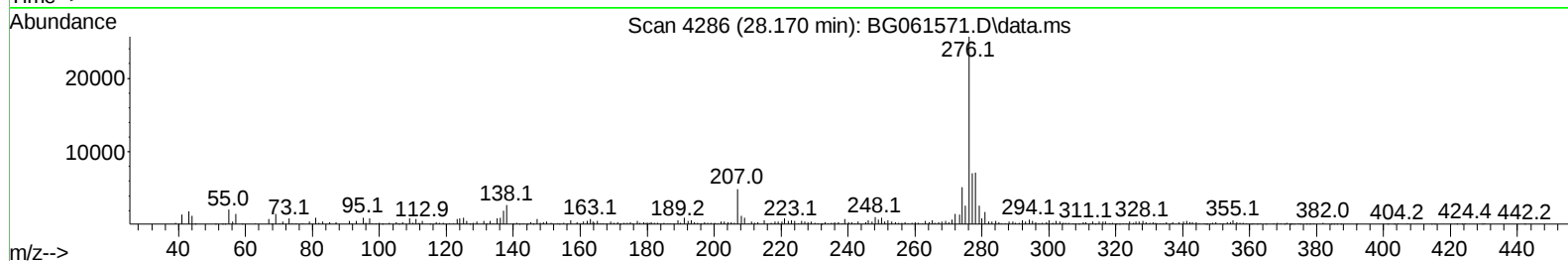
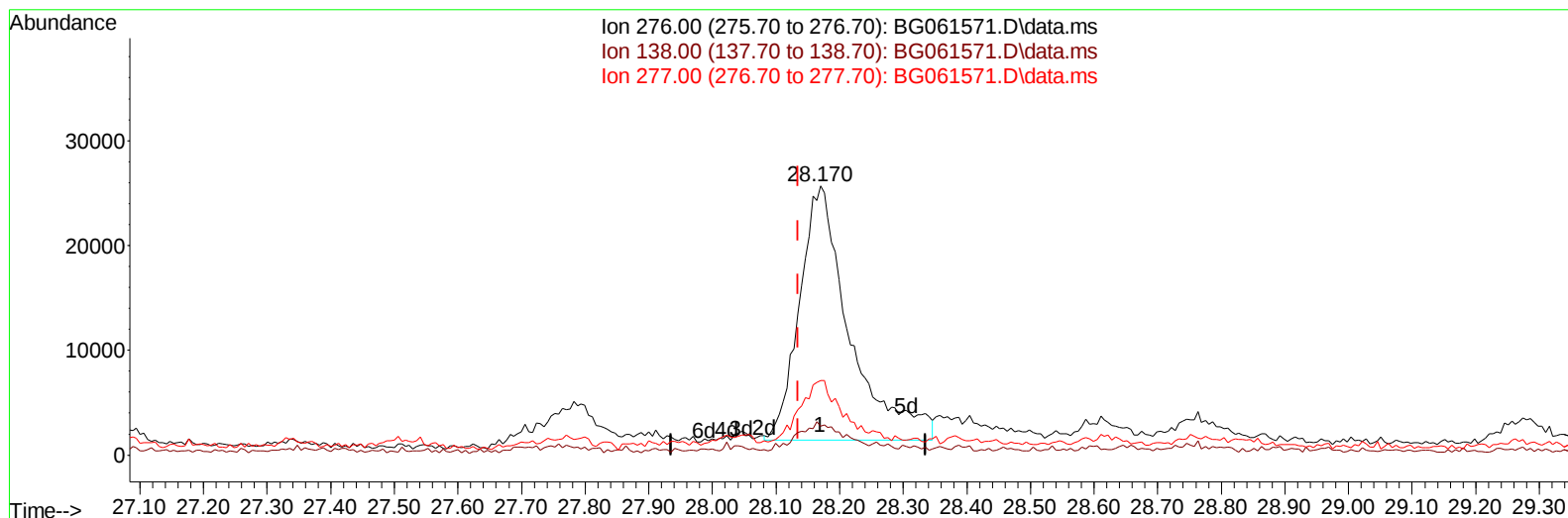
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:14:50 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: BG061571.D\data.ms

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

28.170min (+ 0.035) 9.05 ng/u1 m

response 132398

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	10.67
277.00	24.60	27.66
0.00	0.00	0.00

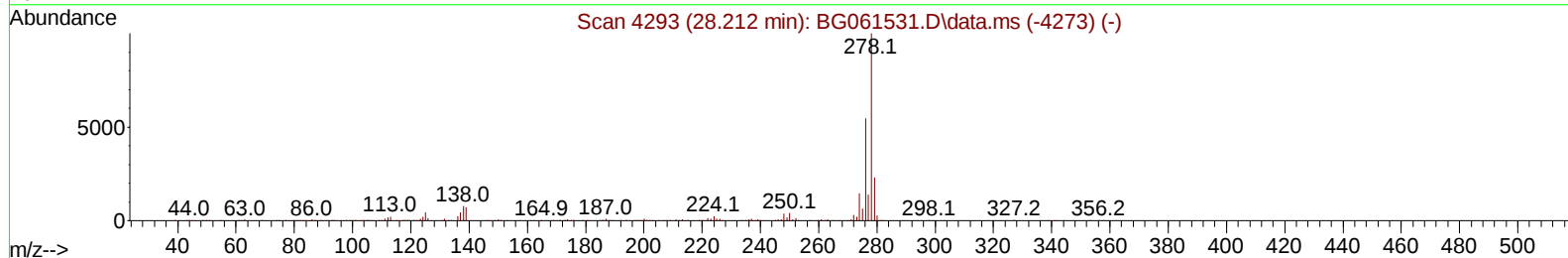
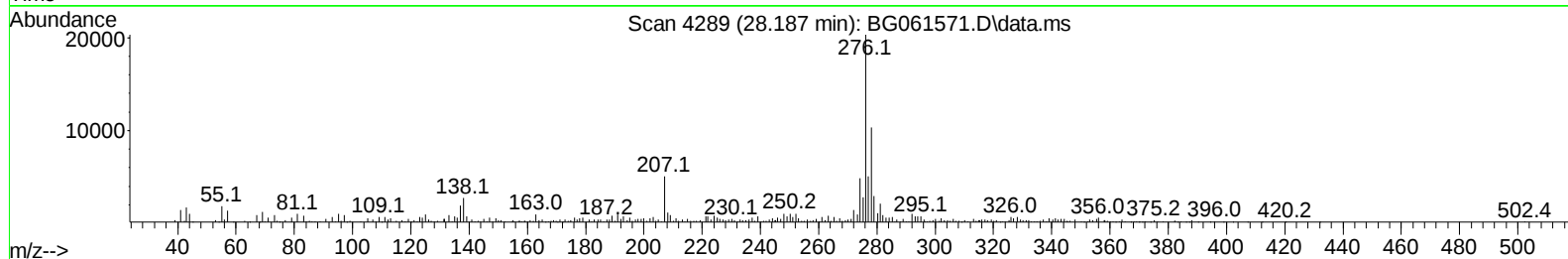
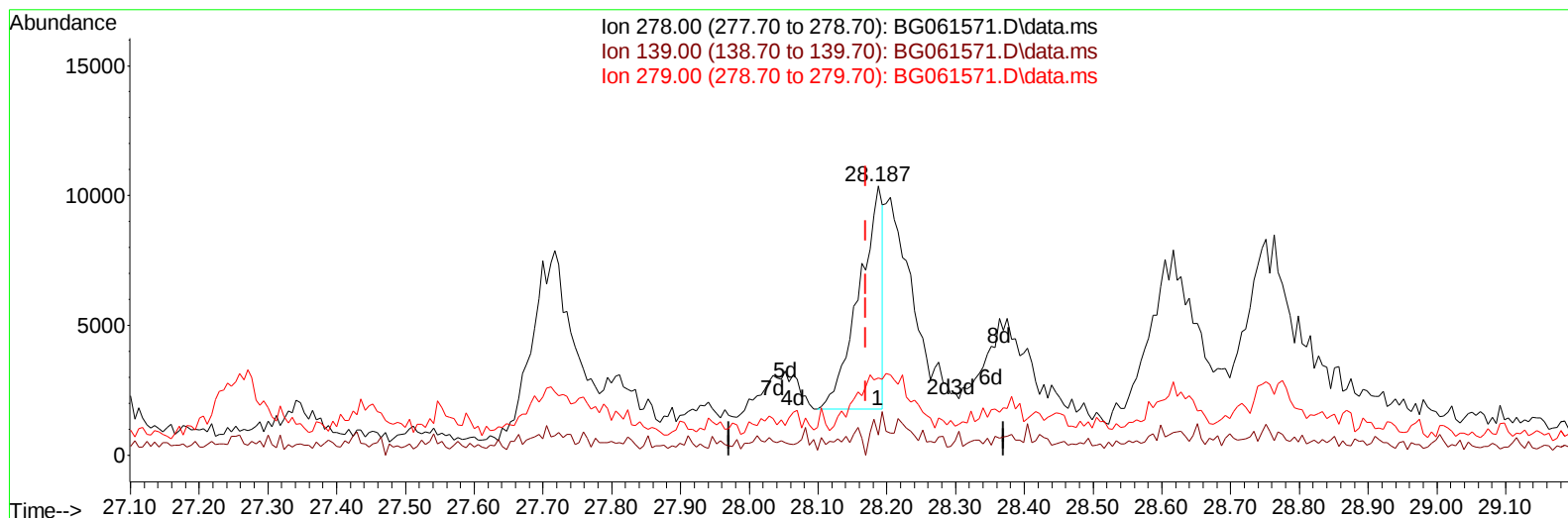
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:15:32 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: BG061571.D\data.ms

(95) Dibenzo(a,h)anthracene

28.187min (+ 0.017) 1.71 ng/u1

response 20667

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	7.38
279.00	24.90	28.60
0.00	0.00	0.00

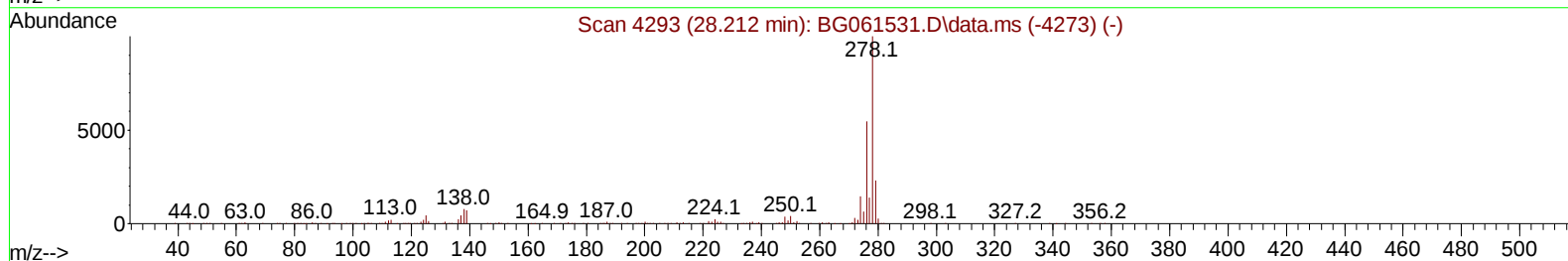
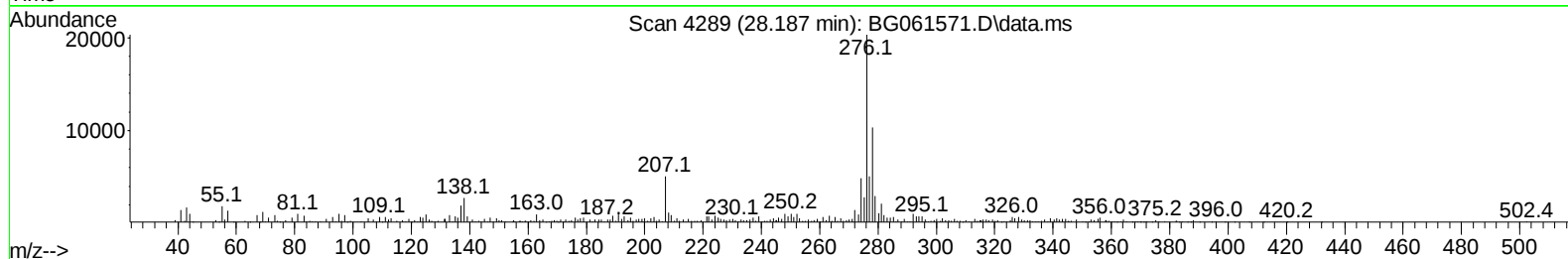
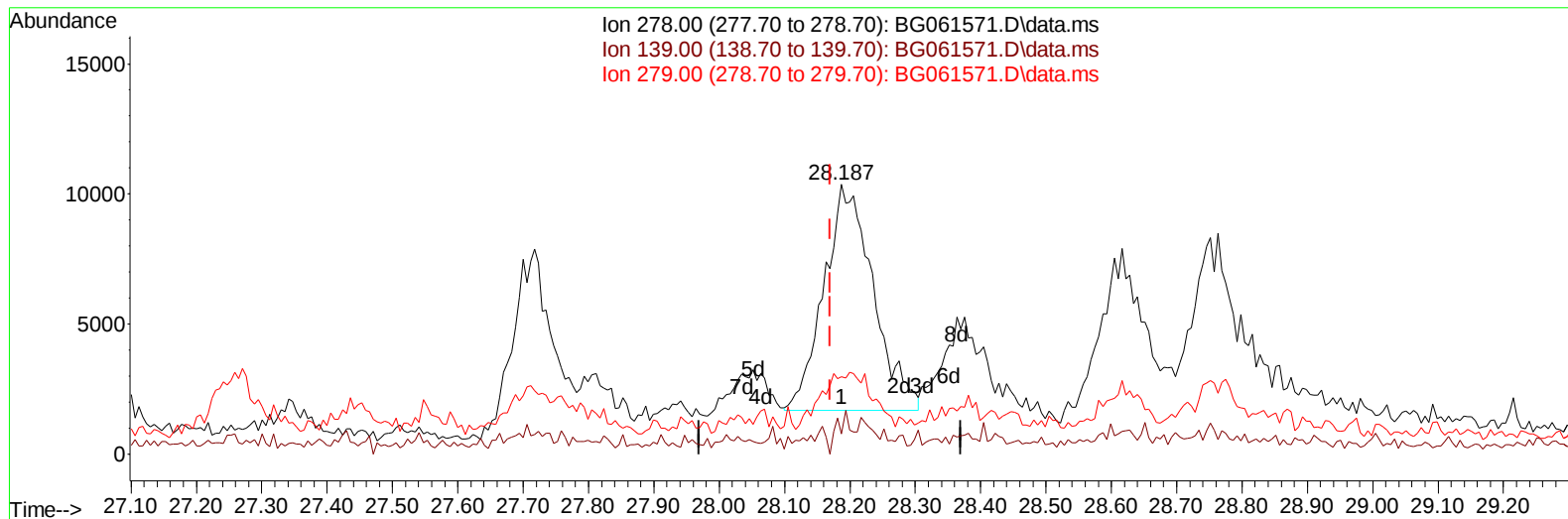
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061571.D
Acq On : 8 Jun 2024 18:57
Operator : MA/JU
Sample : P2647-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:15:32 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: BG061571.D\data.ms

(95) Dibenzo(a,h)anthracene

28.187min (+ 0.017) 3.76 ng/u1 m

response 45348

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	7.38
279.00	24.90	28.60
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061571.D
 Acq On : 8 Jun 2024 18:57
 Operator : MA/JU
 Sample : P2647-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:16:18 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	27083	20.000	ng/ul	0.00
20) Naphthalene-d8	10.667	136	102470	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.509	164	76059	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.265	188	174357	20.000	ng/ul	0.00
79) Chrysene-d12	21.530	240	194444	20.000	ng/ul	0.01
88) Perylene-d12	24.633	264	213901	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1840	3.802	ng/uL	-0.02
4) Pyridine-d5	3.739	84	17373	10.091	ng/ul	-0.03
7) Phenol-d5	7.071	99	49390	22.207	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	30127	21.551	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.412	132	43528	26.445	ng/ul	0.00
15) 4-Methylphenol-d8	8.598	113	35401	18.667	ng/ul	0.00
21) Nitrobenzene-d5	9.033	128	21073	26.710	ng/ul	0.00
24) 2-Nitrophenol-d4	9.750	143	25855	28.002	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	49829	27.682	ng/ul	0.00
31) 4-Chloroaniline-d4	10.808	131	14167	6.016	ng/ul	0.00
46) Dimethylphthalate-d6	13.916	166	148271	25.135	ng/ul	0.00
49) Acenaphthylene-d8	14.204	160	161742	26.373	ng/ul	0.00
54) 4-Nitrophenol-d4	14.774	143	14649m	20.086	ng/ul	0.02
60) Fluorene-d10	15.508	176	132552	26.027	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	13298	12.610	ng/ul	0.01
73) Anthracene-d10	17.365	188	215354	28.016	ng/ul	0.00
81) Pyrene-d10	19.662	212	234234	23.461	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.421	264	197501	19.206	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.720	128	17842	3.299	ng/ul#	96
36) 2-Methylnaphthalene	12.335	142	6682	1.704	ng/ul	97
37) 1-Methylnaphthalene	12.553	142	5308	1.319	ng/ul#	95
52) Acenaphthene	14.574	153	11519	2.582	ng/ul	93
56) Dibenzofuran	14.915	168	10507	1.647	ng/ul	91
61) Fluorene	15.567	166	11241	2.037	ng/ul	83
72) Phenanthrene	17.306	178	262248	30.989	ng/ul	99
74) Anthracene	17.400	178	37345	4.268	ng/ul	99
77) Carbazole	17.670	167	22274	3.130	ng/ul	96
78) Di-n-butylphthalate	18.223	149	13057	1.464	ng/ul#	93
80) Fluoranthene	19.333	202	639855	53.424	ng/ul#	97
82) Pyrene	19.691	202	488183	39.268	ng/ul	98
83) Butylbenzylphthalate	20.579	149	13863	3.246	ng/ul	97
85) Benzo(a)anthracene	21.513	228	359380	26.786	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	187901	29.723	ng/ul#	98
87) Chrysene	21.572	228	376394	30.468	ng/ul	96
89) Di-n-octyl phthalate	22.582	149	16254	1.519	ng/ul	100
90) Benzo(b)fluoranthene	23.663	252	482309	37.871	ng/ul	99
91) Benzo(k)fluoranthene	23.710	252	205665m	15.908	ng/ul	
93) Benzo(a)pyrene	24.492	252	183851	15.203	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.170	276	132398m	9.053	ng/ul	
95) Dibenzo(a,h)anthracene	28.187	278	45348m	3.761	ng/ul	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BHBS6

Manual IntegrationsAPPROVED

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

Quant Time: Jun 10 00:16:18 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

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev	(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

