

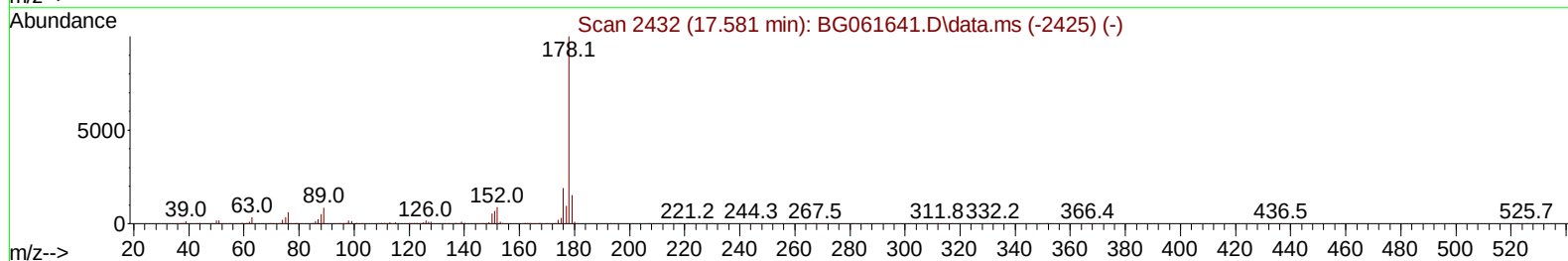
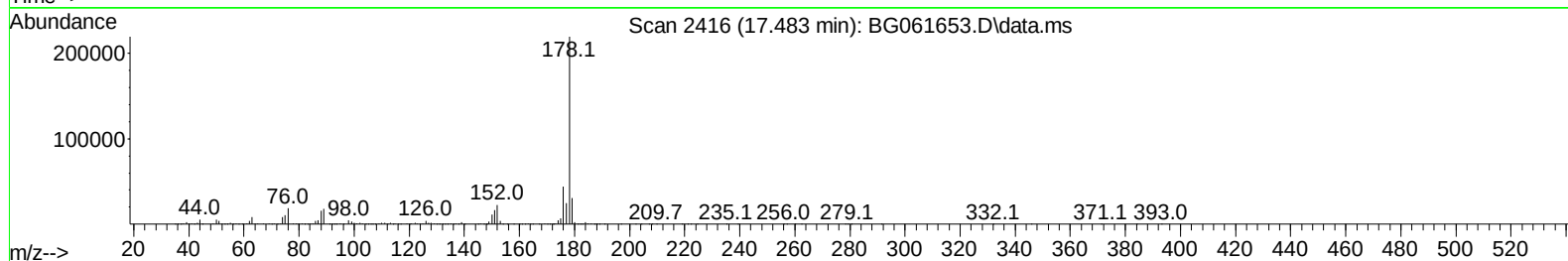
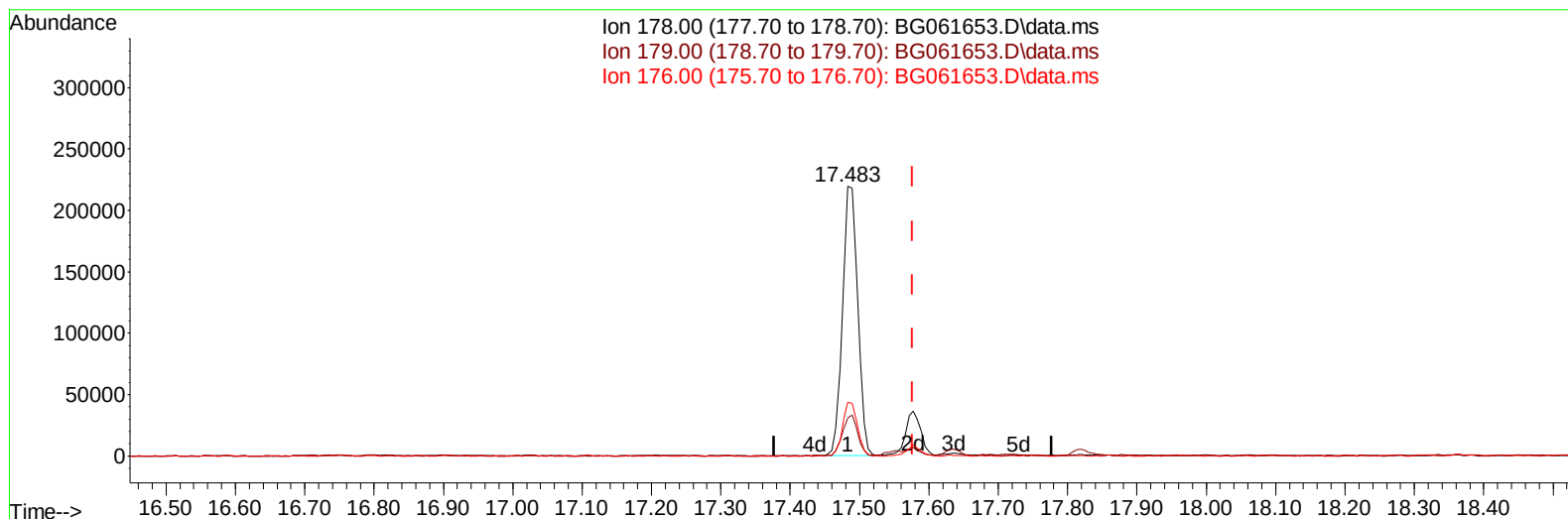
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4C76

Manual IntegrationsAPPROVED

Quant Time: Jun 23 00:16:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BG061653.D\data.ms

(74) Anthracene

17.483min (-0.094) 12.36 ng/u1

response 335221

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.30	14.13
176.00	18.40	20.00
0.00	0.00	0.00

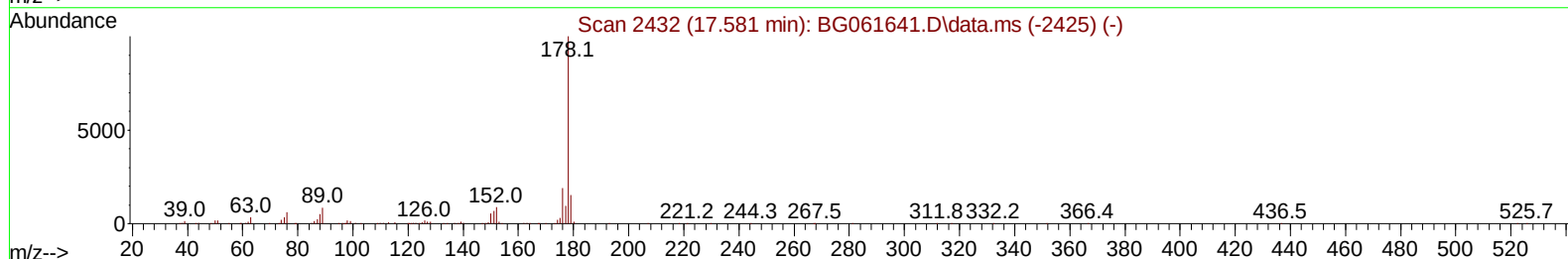
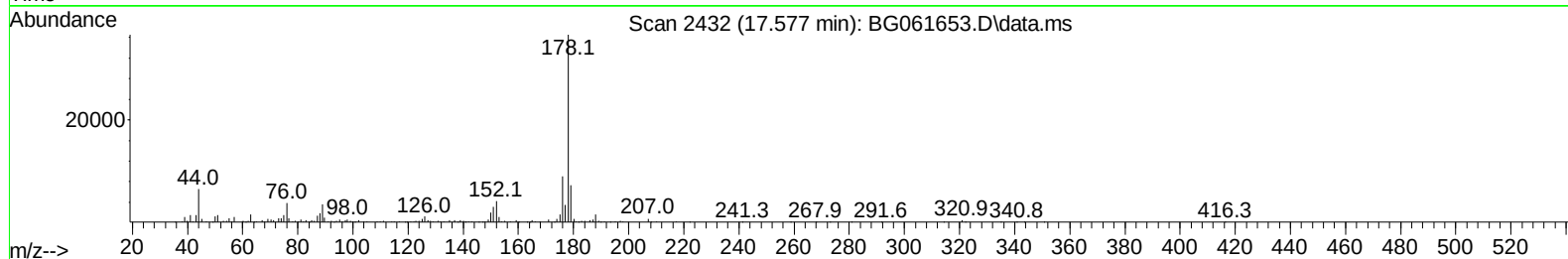
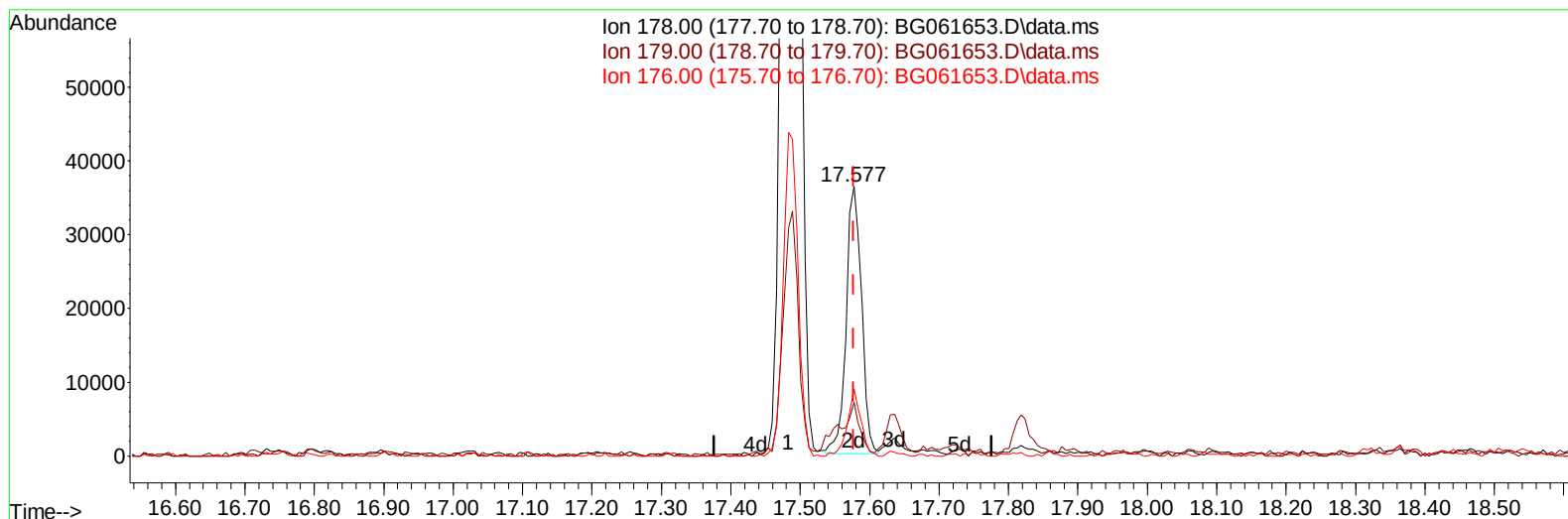
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/24/2024



TIC: BG061653.D\data.ms

(74) Anthracene

17.577min (+ 0.000) 2.04 ng/u l m

response 55230

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.30	19.94#
176.00	18.40	24.79#
0.00	0.00	0.00

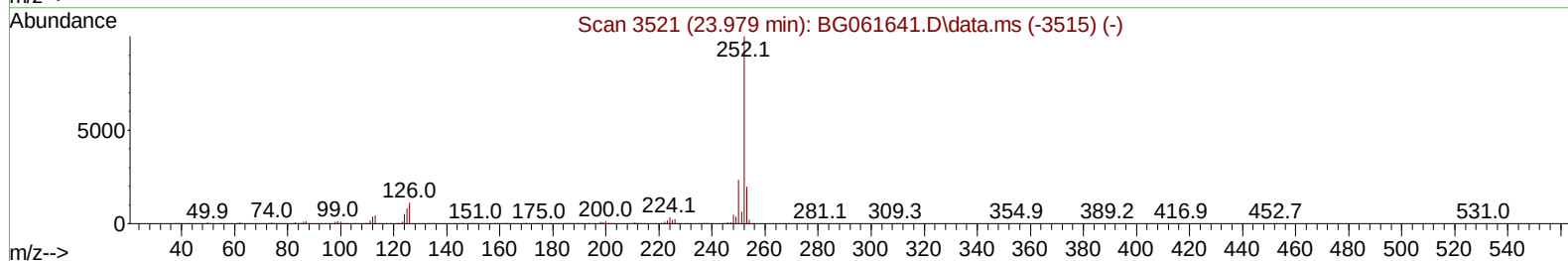
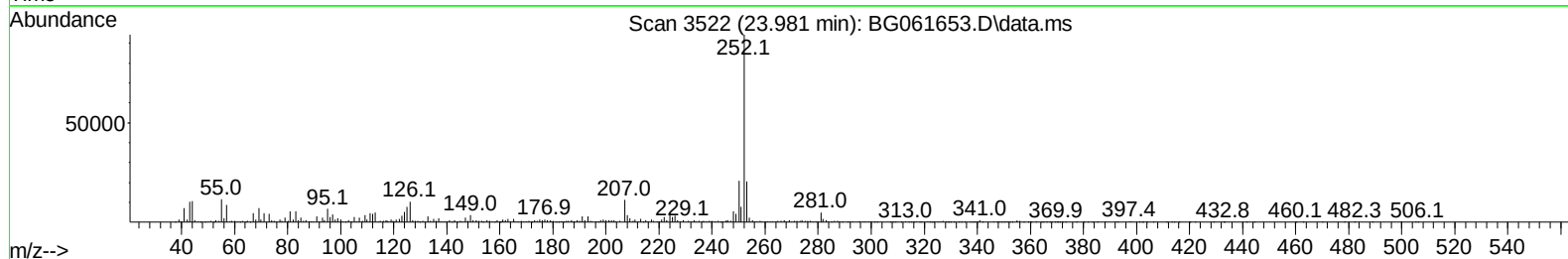
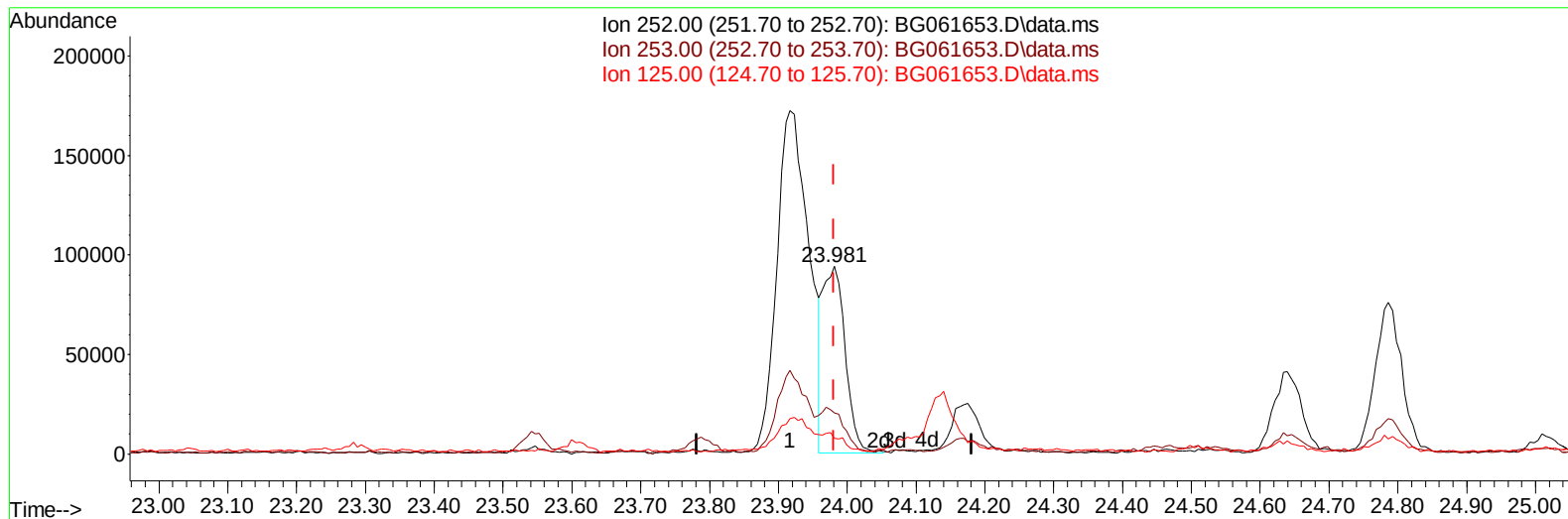
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4C76

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BG061653.D\data.ms

(91) Benzo(k)fluoranthene

23.981min (+ 0.000) 6.56 ng/ul m

response 212289

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.20	21.84
125.00	7.70	8.19
0.00	0.00	0.00

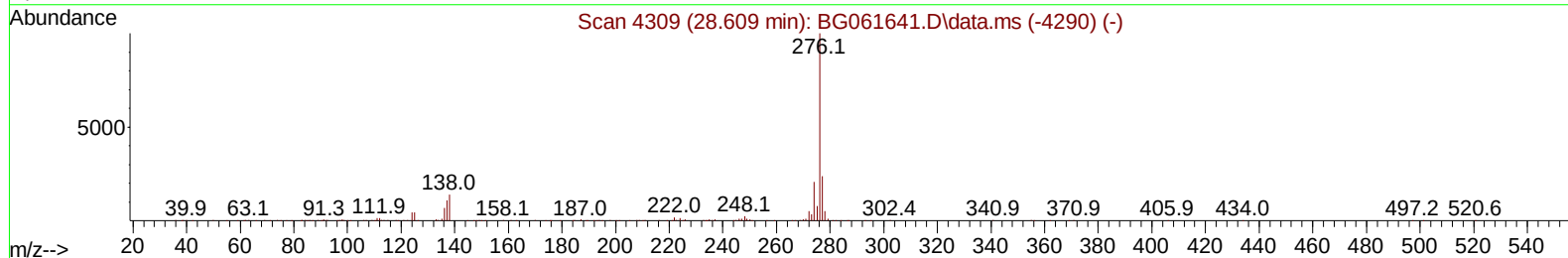
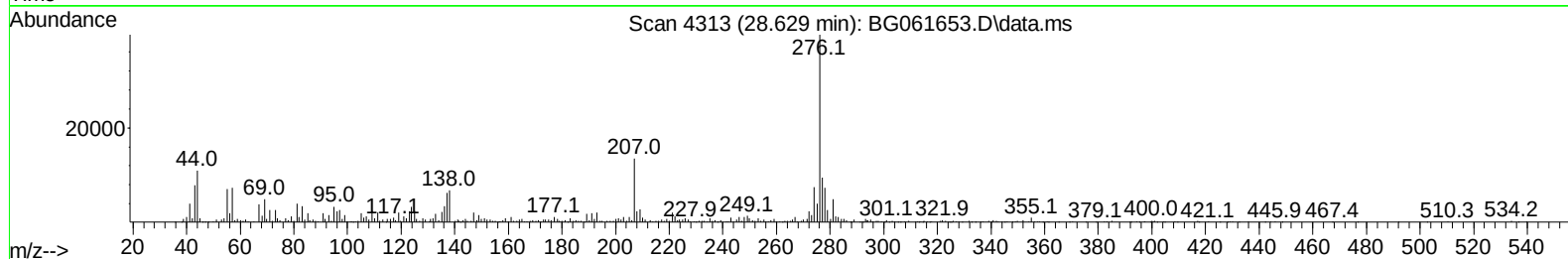
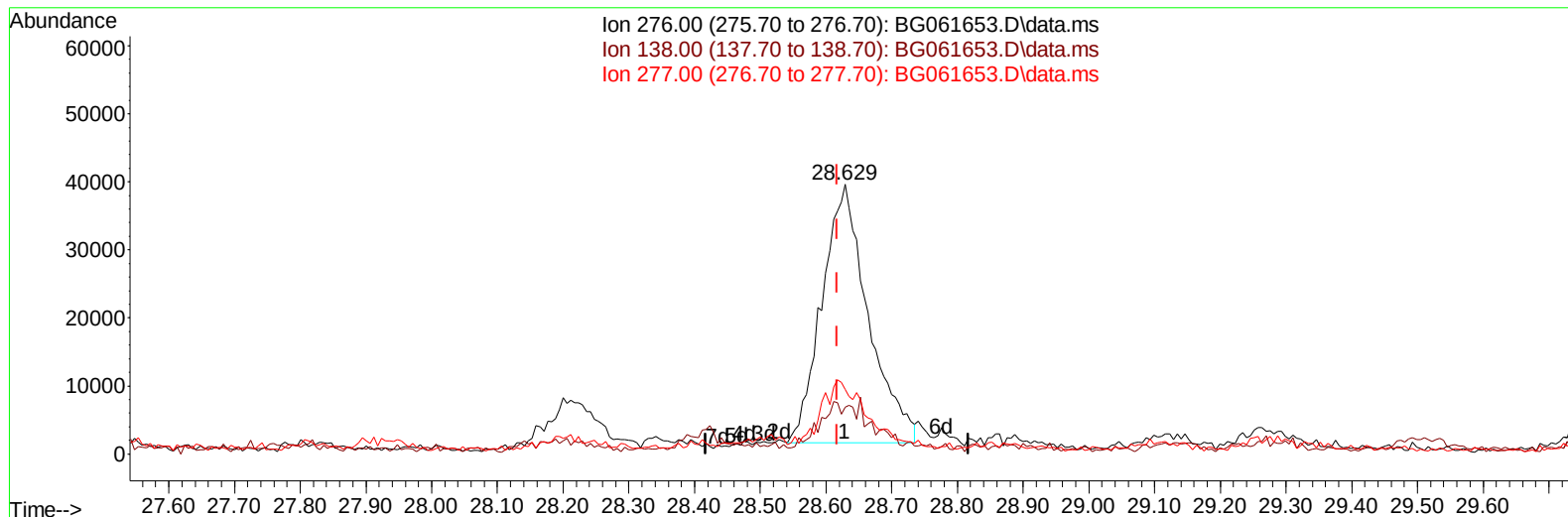
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Jun 23 00:24:03 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BG061653.D\data.ms

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

28.629min (+ 0.012) 4.92 ng/u l

response 185699

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	15.30	17.40
277.00	24.60	23.93
0.00	0.00	0.00

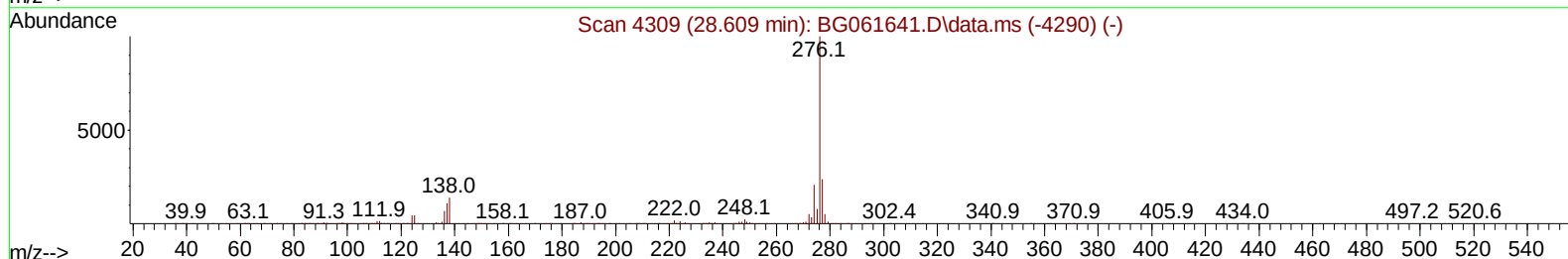
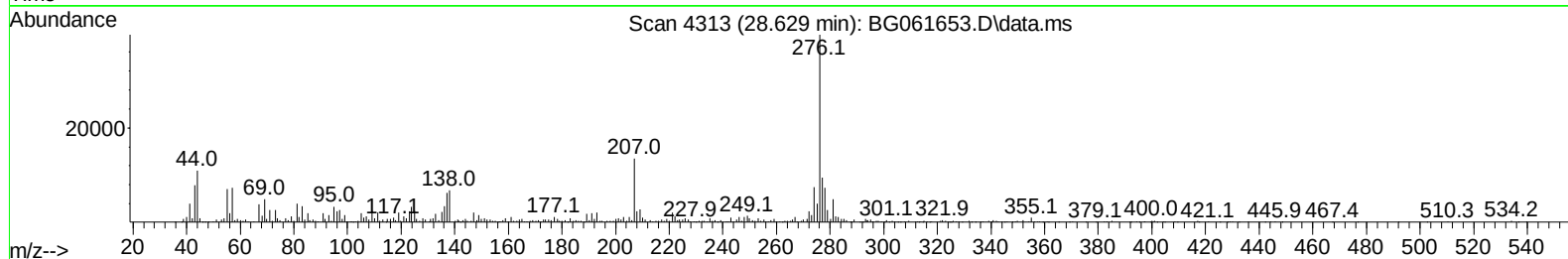
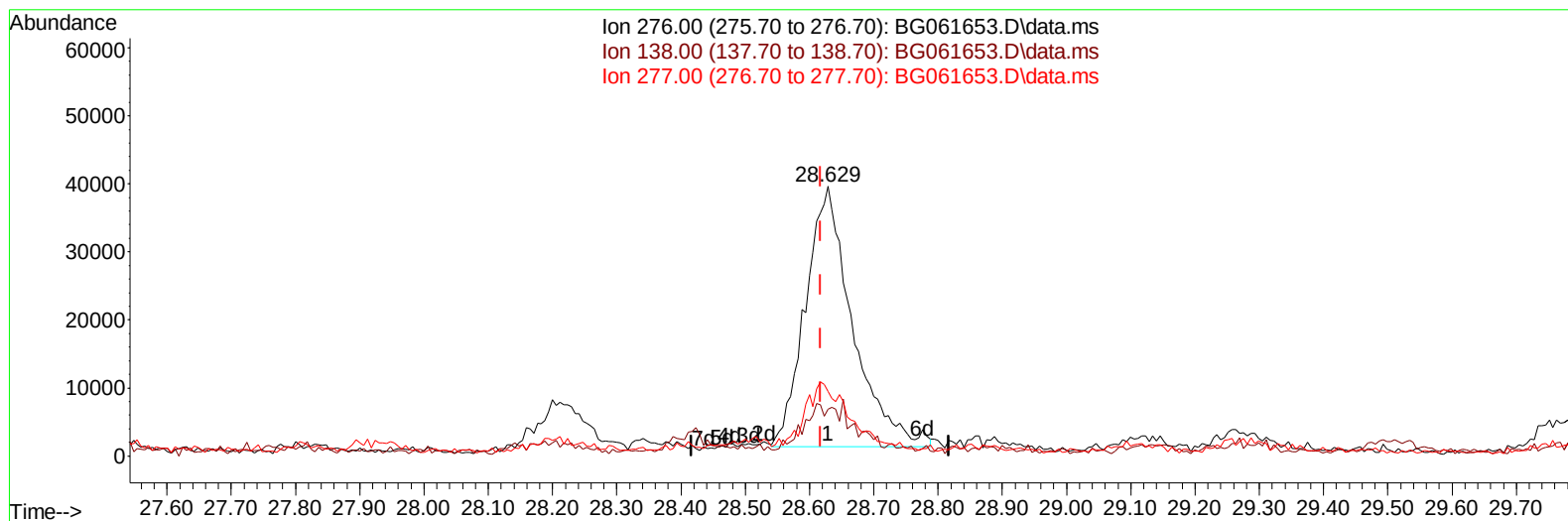
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4C76

Manual IntegrationsAPPROVED

Quant Time: Jun 23 00:24:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BG061653.D\data.ms

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

28.629min (+ 0.012) 5.16 ng/ul m

response 194978

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	15.30	17.40
277.00	24.60	23.93
0.00	0.00	0.00

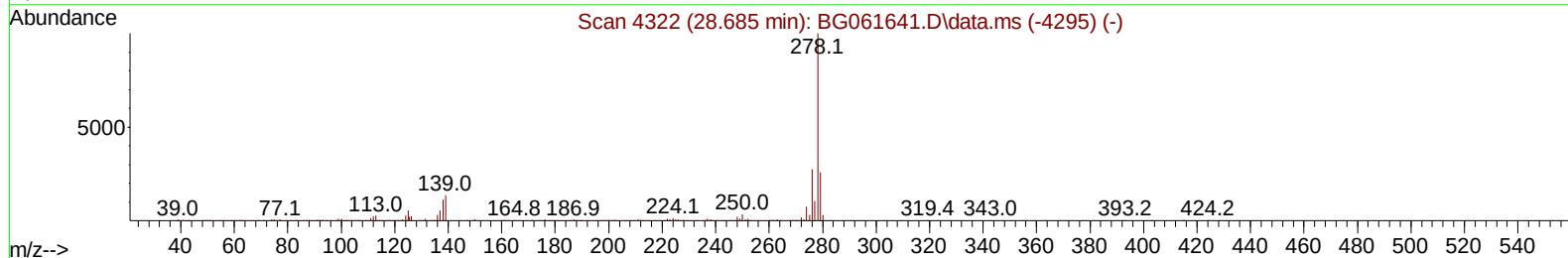
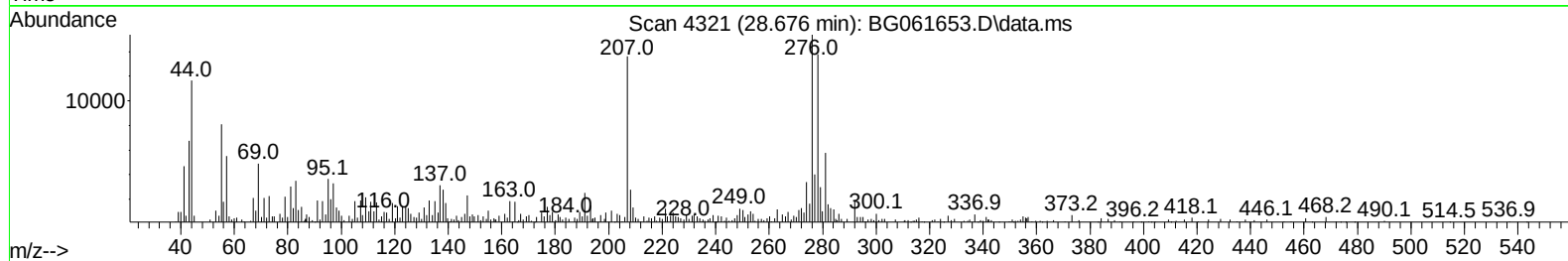
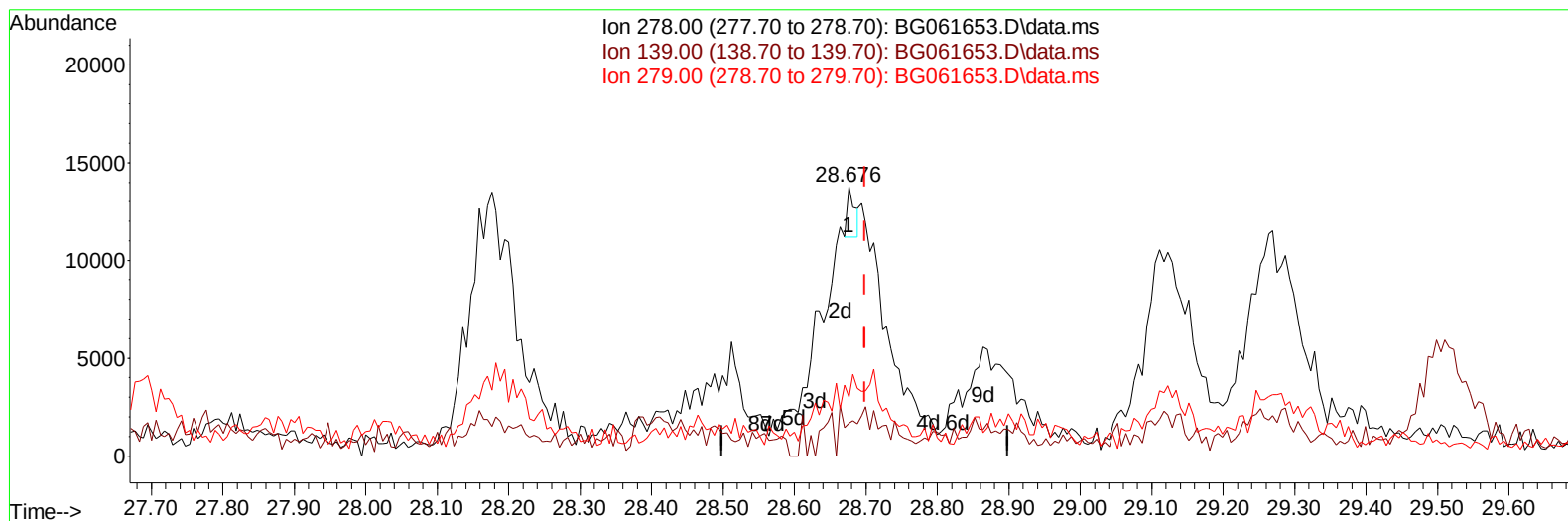
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4C76

Manual IntegrationsAPPROVED

Quant Time: Jun 23 00:24:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BG061653.D\data.ms

(95) Dibenzo(a,h)anthracene

28.676min (-0.023) 0.06 ng/u1

response 1946

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	15.40#
279.00	23.30	21.77
0.00	0.00	0.00

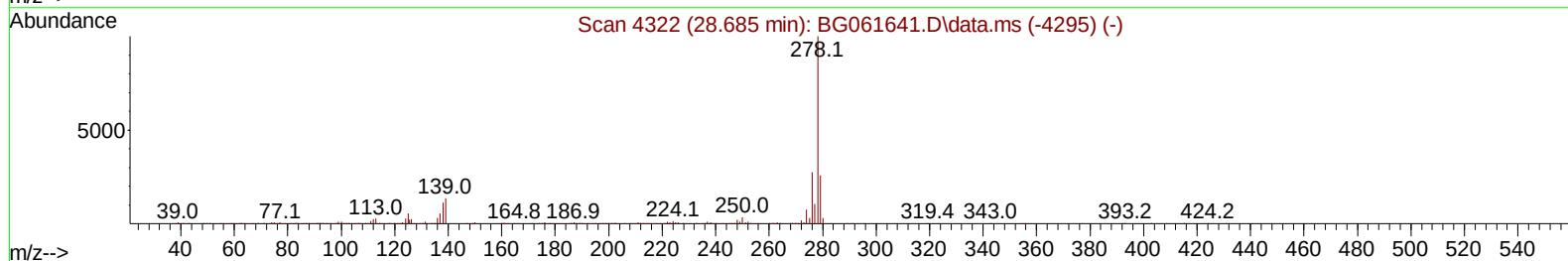
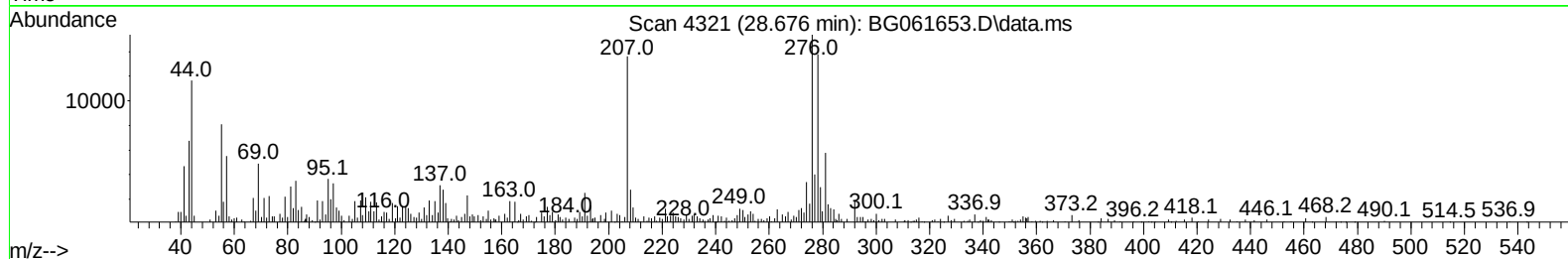
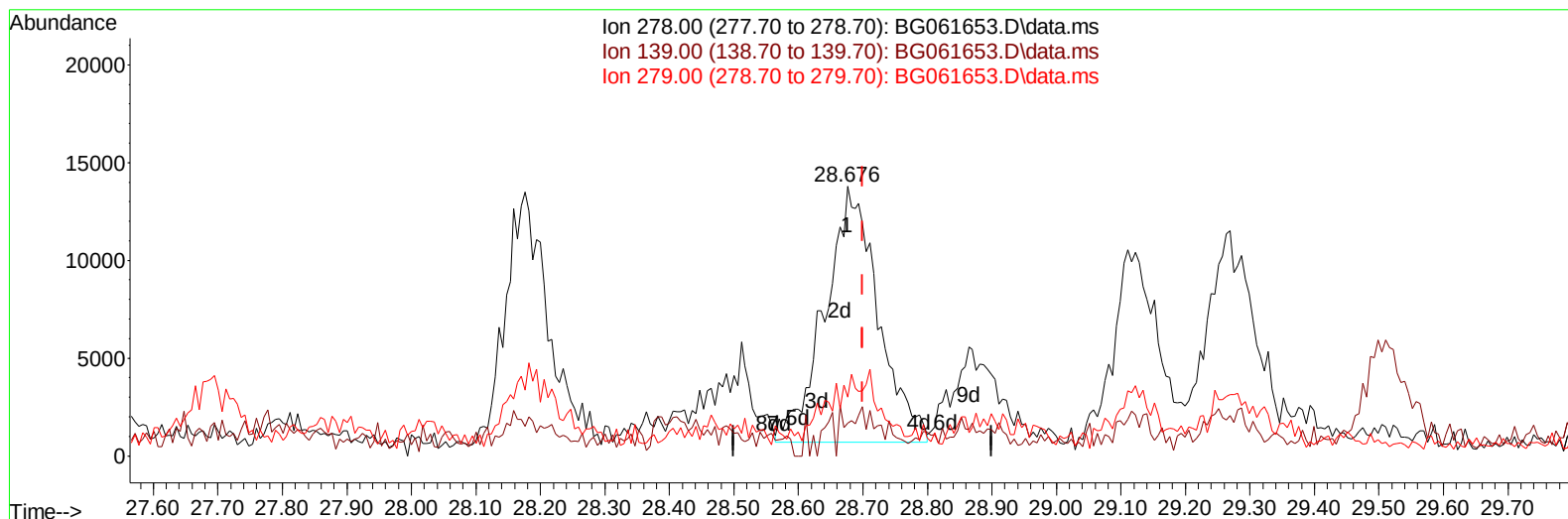
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061653.D
Acq On : 22 Jun 2024 17:50
Operator : MA/JU
Sample : P2776-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG061653.D\data.ms

(95) Dibenzo(a,h)anthracene

28.676min (-0.023) 2.40 ng/ul m

response 75324

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	12.18
279.00	23.30	21.77
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
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 Acq On : 22 Jun 2024 17:50
 Operator : MA/JU
 Sample : P2776-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C76

Manual IntegrationsAPPROVED

Quant Time: Jun 23 00:25:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	74066	20.000	ng/ul	0.00
20) Naphthalene-d8	10.891	136	350490	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.704	164	237974	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.442	188	504073	20.000	ng/ul	0.00
79) Chrysene-d12	21.708	240	434870	20.000	ng/ul	# 0.00
88) Perylene-d12	24.939	264	523647	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	8234	4.016	ng/uL	0.00
4) Pyridine-d5	3.899	84	9293	1.499	ng/ul	0.01
7) Phenol-d5	7.219	99	218777	27.209	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.401	67	127513	25.440	ng/ul	0.00
11) 2-Chlorophenol-d4	7.601	132	156387	28.343	ng/ul	0.00
15) 4-Methylphenol-d8	8.770	113	170327	27.402	ng/ul	0.00
21) Nitrobenzene-d5	9.240	128	74119	31.145	ng/ul	0.00
24) 2-Nitrophenol-d4	9.963	143	86409	35.850	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	170708	29.911	ng/ul	0.00
31) 4-Chloroaniline-d4	11.026	131	22613	2.617	ng/ul	0.01
46) Dimethylphthalate-d6	14.111	166	523917	28.609	ng/ul	0.00
49) Acenaphthylene-d8	14.399	160	605517	30.171	ng/ul	0.00
54) 4-Nitrophenol-d4	14.874	143	80343	25.545	ng/ul	0.00
60) Fluorene-d10	15.691	176	463771	28.928	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	59021	27.382	ng/ul	0.00
73) Anthracene-d10	17.542	188	692380	30.092	ng/ul	0.00
81) Pyrene-d10	19.822	212	653846	26.917	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.716	264	498656	19.938	ng/ul	0.00
Target Compounds						
						Qvalue
72) Phenanthrene	17.483	178	335031	12.634	ng/ul	99
74) Anthracene	17.577	178	55230m	2.037	ng/ul	
77) Carbazole	17.842	167	36600	1.590	ng/ul	99
80) Fluoranthene	19.493	202	731226	25.944	ng/ul	97
82) Pyrene	19.851	202	543936	18.150	ng/ul	96
85) Benzo(a)anthracene	21.690	228	336665	11.029	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.614	149	119054	7.423	ng/ul	93
87) Chrysene	21.755	228	390618	13.524	ng/ul	98
90) Benzo(b)fluoranthene	23.917	252	550920	17.502	ng/ul	97
91) Benzo(k)fluoranthene	23.981	252	212289m	6.558	ng/ul	
93) Benzo(a)pyrene	24.786	252	200098	6.603	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.629	276	194978m	5.163	ng/ul	
95) Dibenzo(a,h)anthracene	28.676	278	75324m	2.399	ng/ul	

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

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Acq On : 22 Jun 2024 17:50
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ALS Vial : 13 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

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