

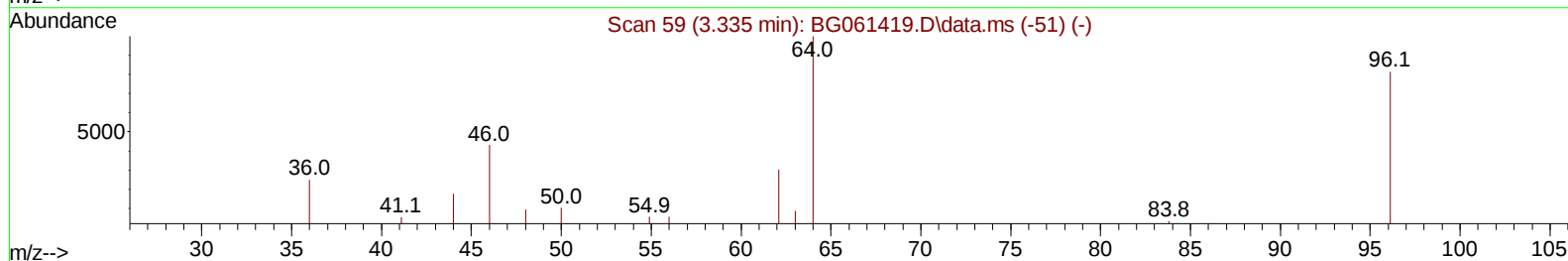
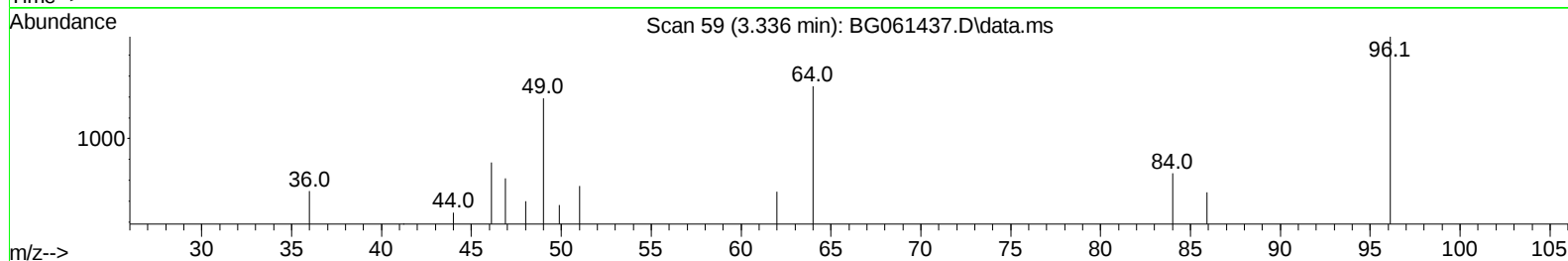
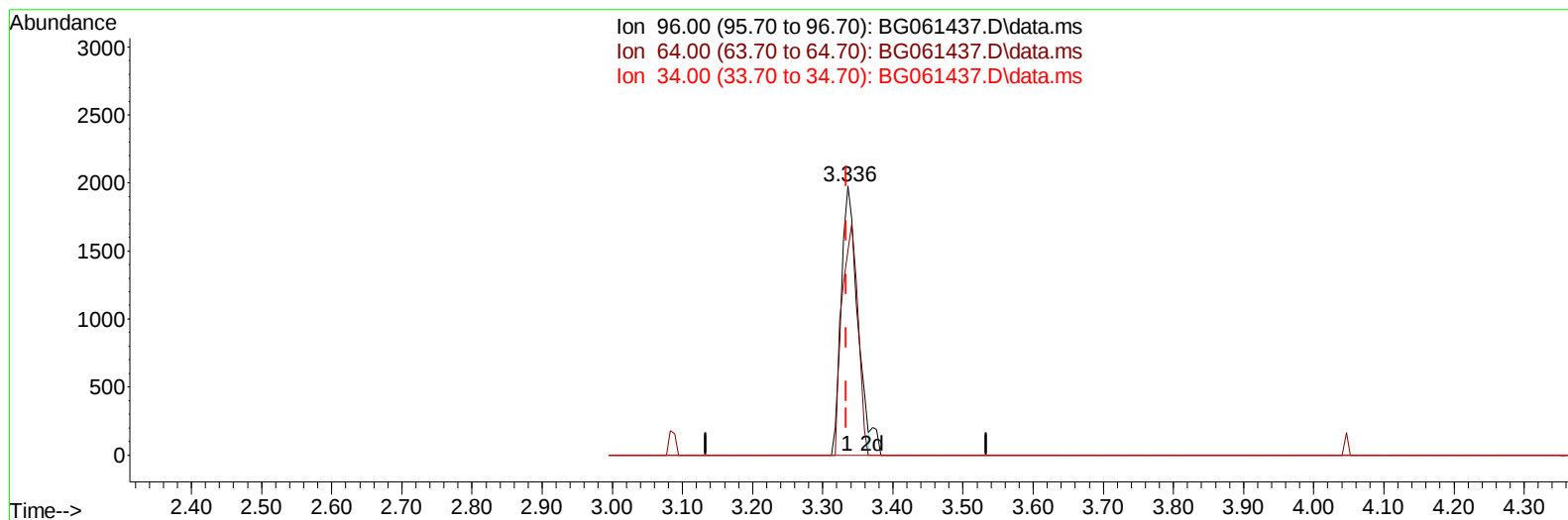
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:38:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.336min (+ 0.002) 5.78 ng/uL

response 3122

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	91.80	76.07
34.00	0.00	0.00
0.00	0.00	0.00

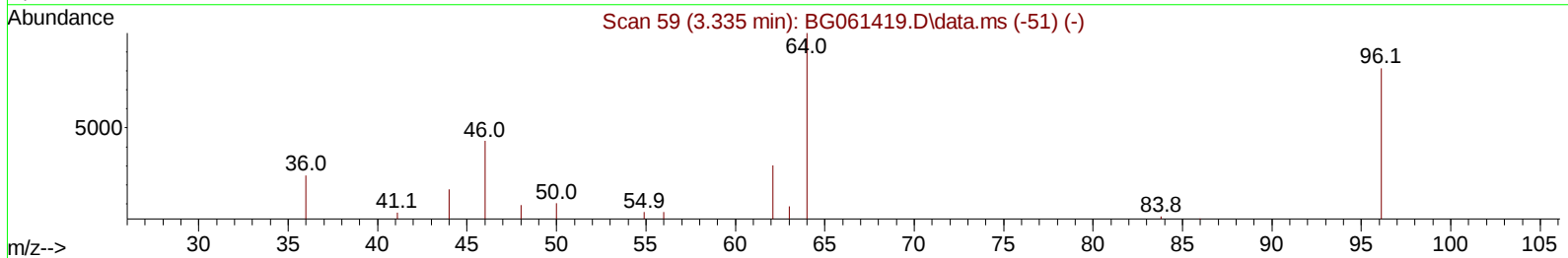
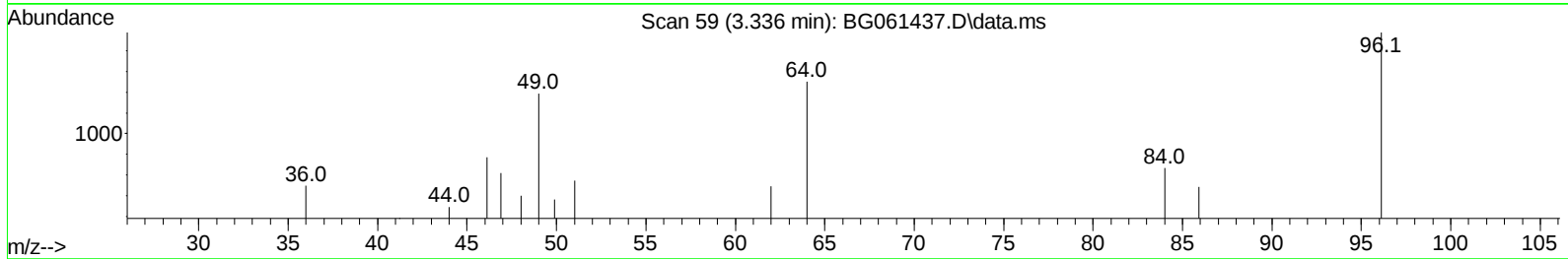
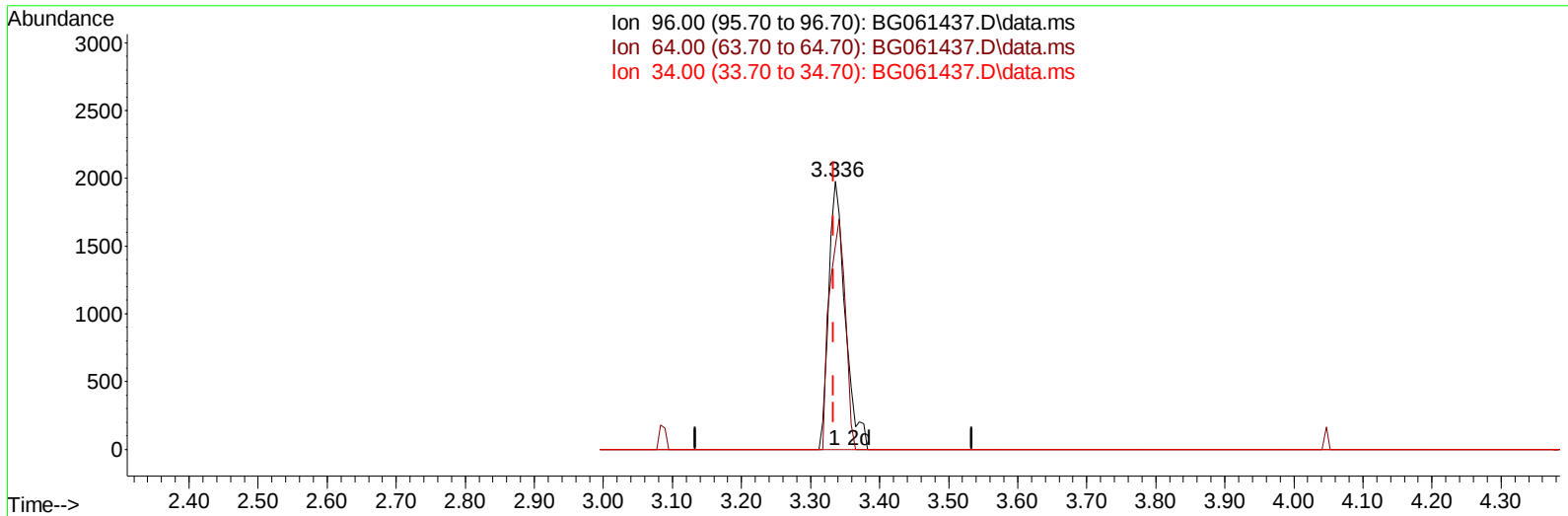
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 01:38:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration



TIC: BG061437.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.336min (+ 0.002) 6.04 ng/uL m

response 3259

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	91.80	76.07
34.00	0.00	0.00
0.00	0.00	0.00

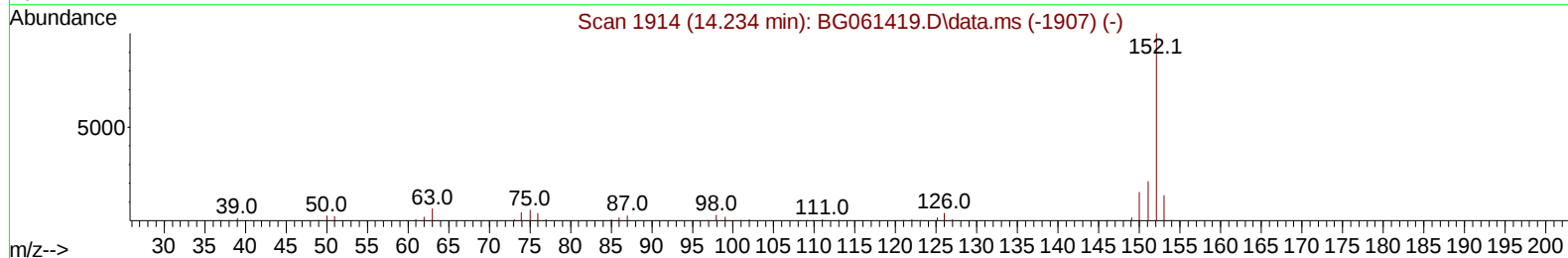
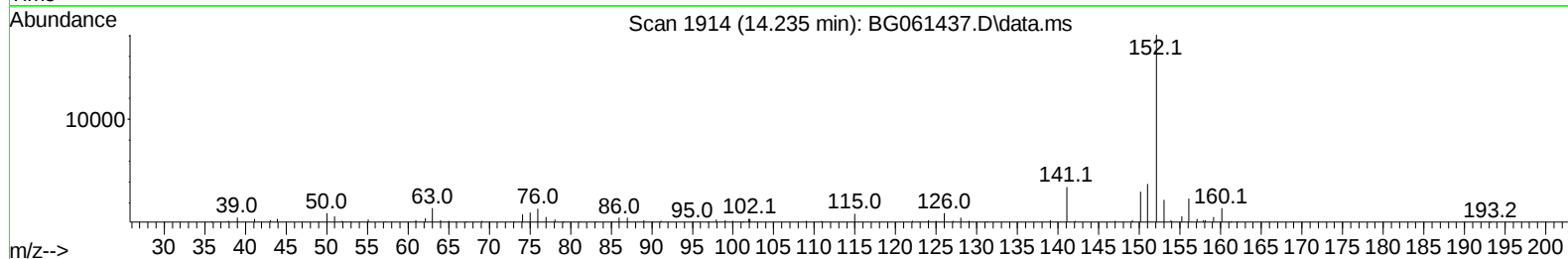
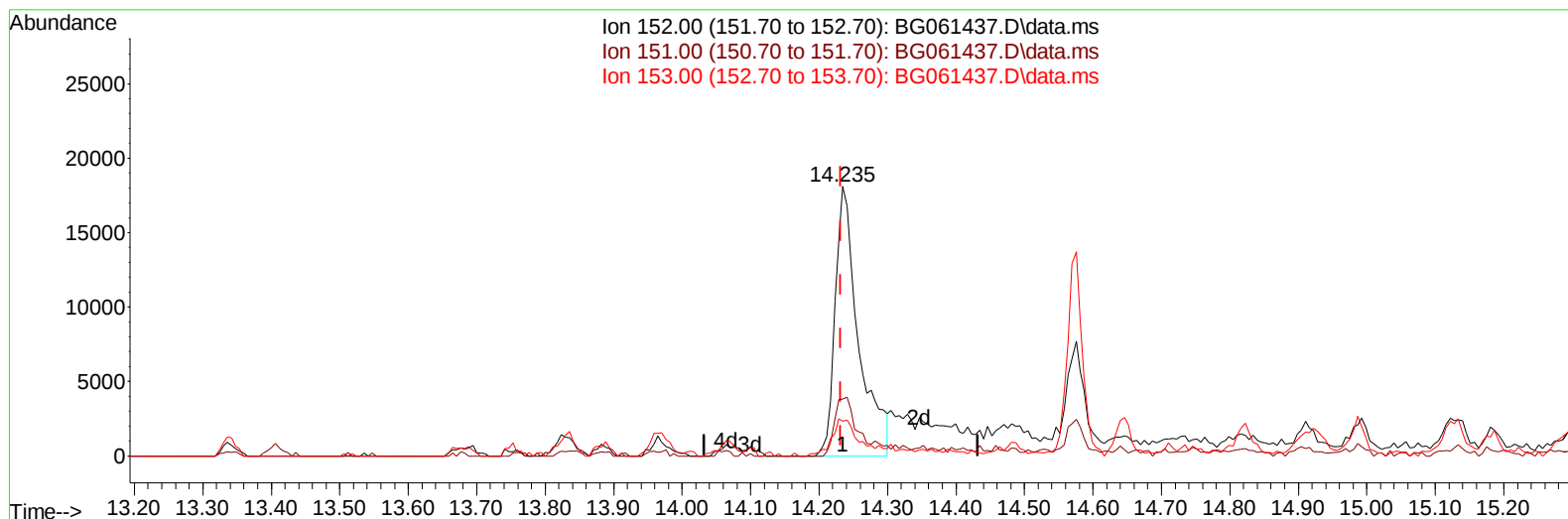
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061437.D
 Acq On : 4 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2589-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:39:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

(50) Acenaphthylene

14.235min (+ 0.002) 5.47 ng/u1

response 43058

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.20	21.16
153.00	12.80	12.77
0.00	0.00	0.00

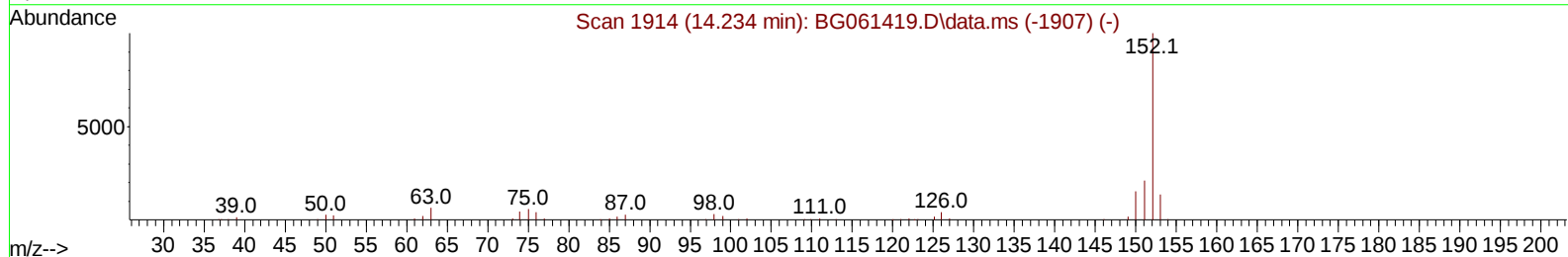
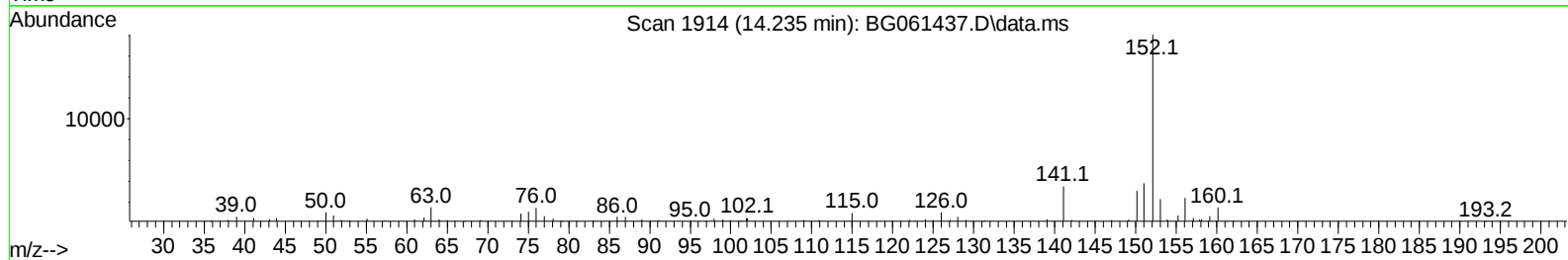
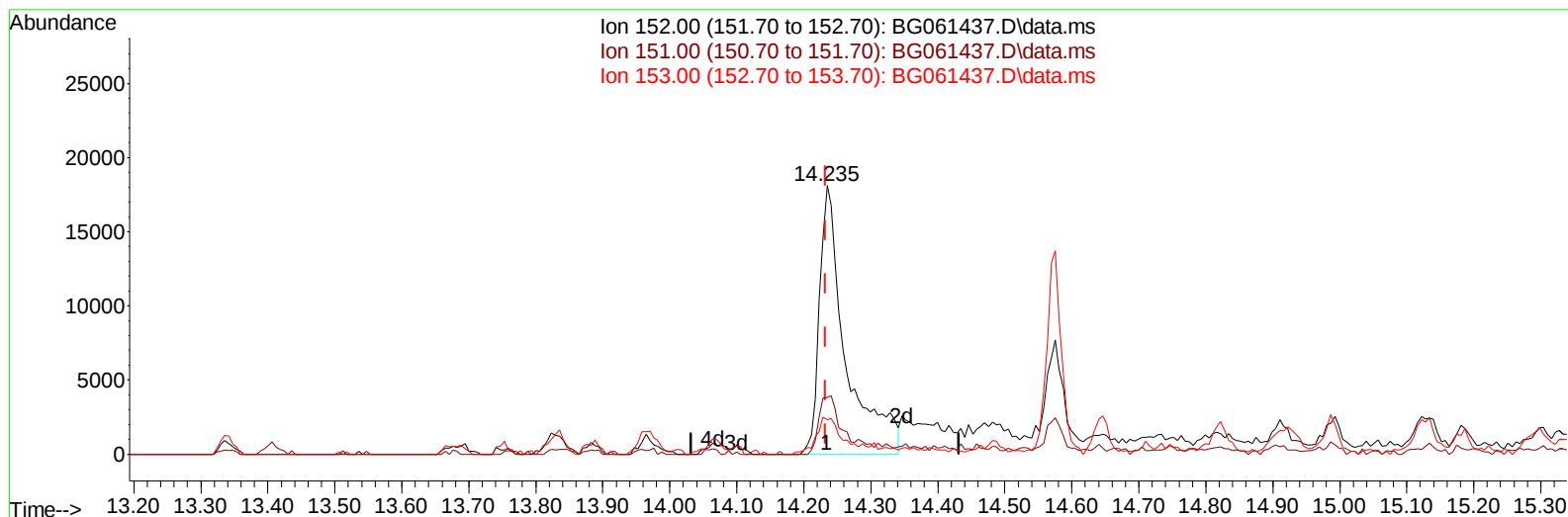
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061437.D
 Acq On : 4 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2589-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:39:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

(50) Acenaphthylene

14.235min (+ 0.002) 6.28 ng/ul m

response 49366

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.20	21.16
153.00	12.80	12.77
0.00	0.00	0.00

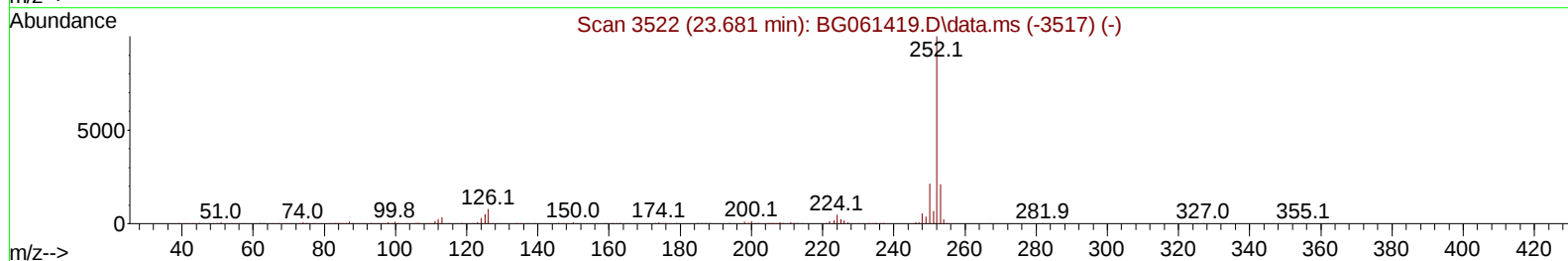
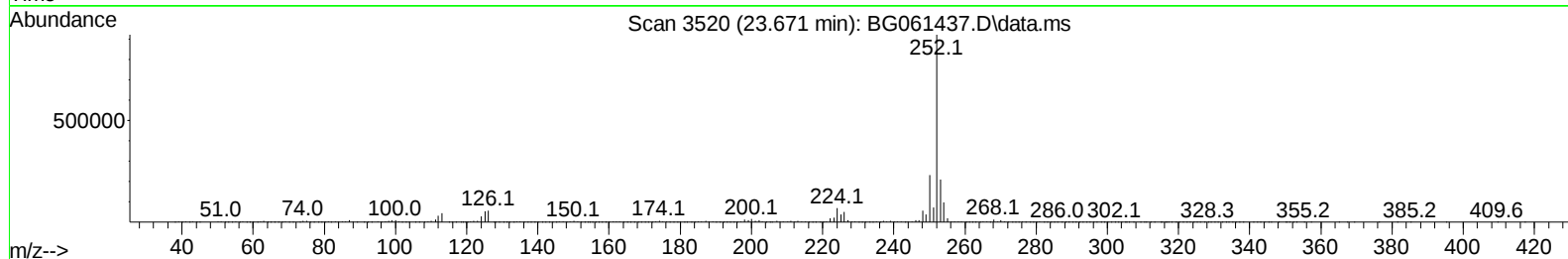
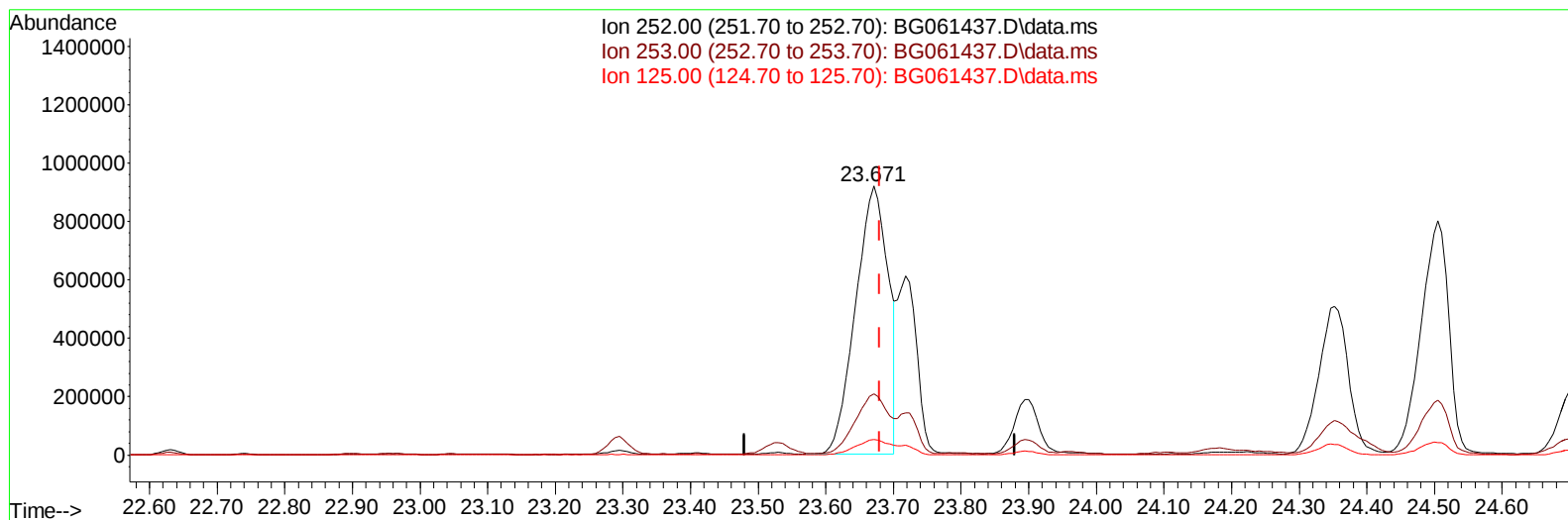
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:40:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

(91) Benzo(k)fluoranthene

23.671min (-0.009) 195.73 ng/u1

response 3074107

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	22.86
125.00	5.40	5.69
0.00	0.00	0.00

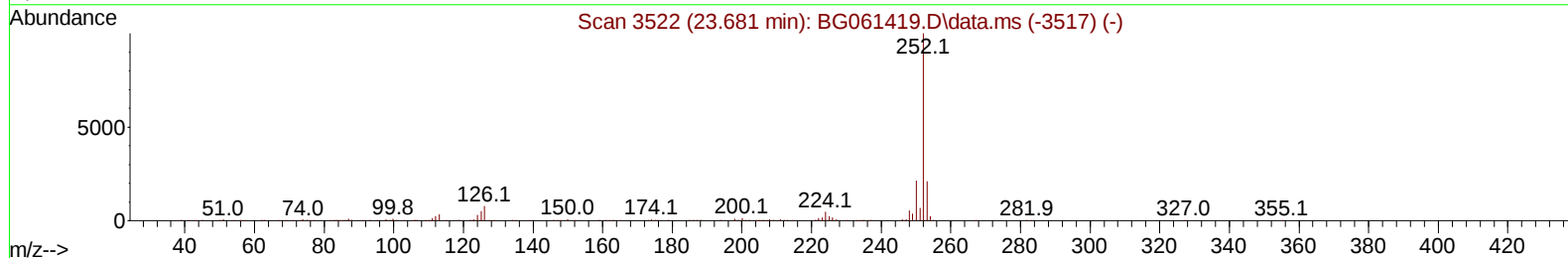
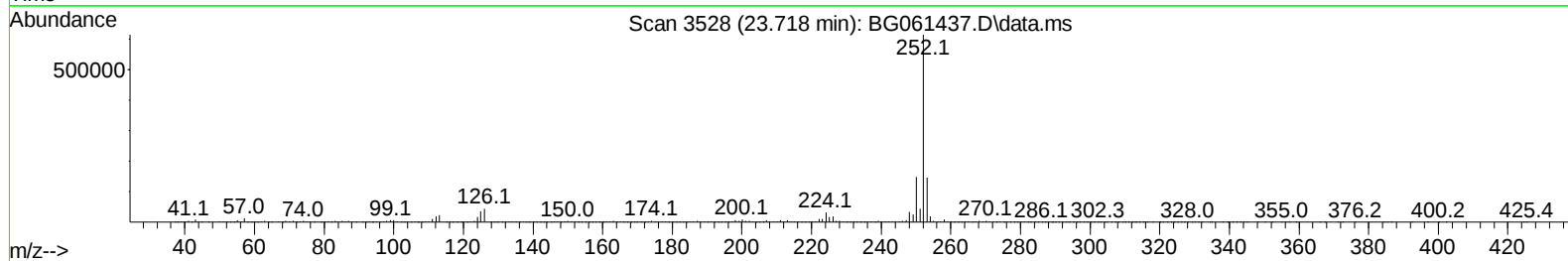
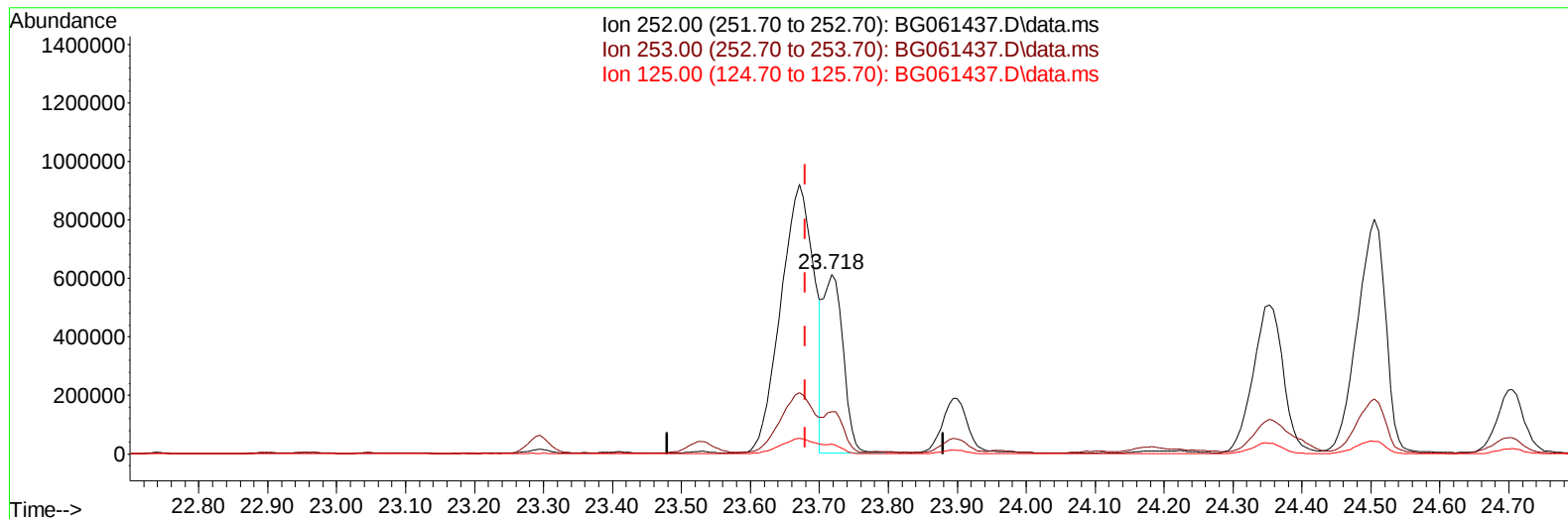
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:40:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

(91) Benzo(k)fluoranthene

23.718min (+ 0.038) 77.01 ng/ul m

response 1209556

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	23.63
125.00	5.40	5.68
0.00	0.00	0.00

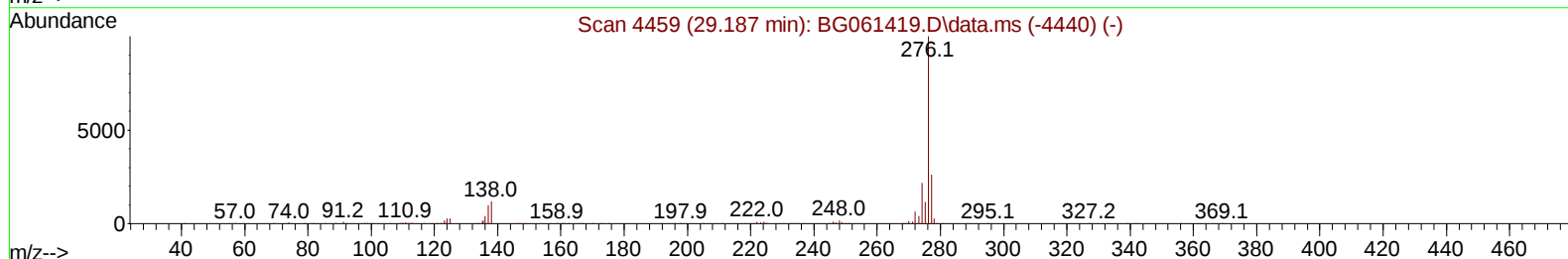
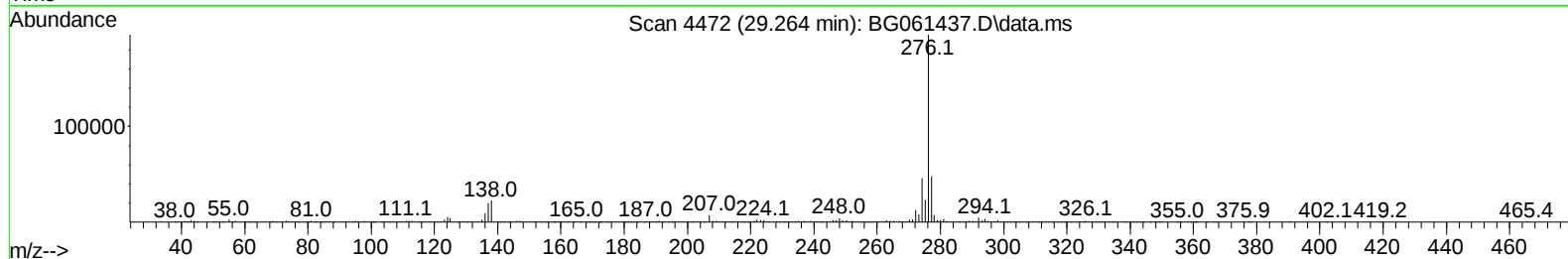
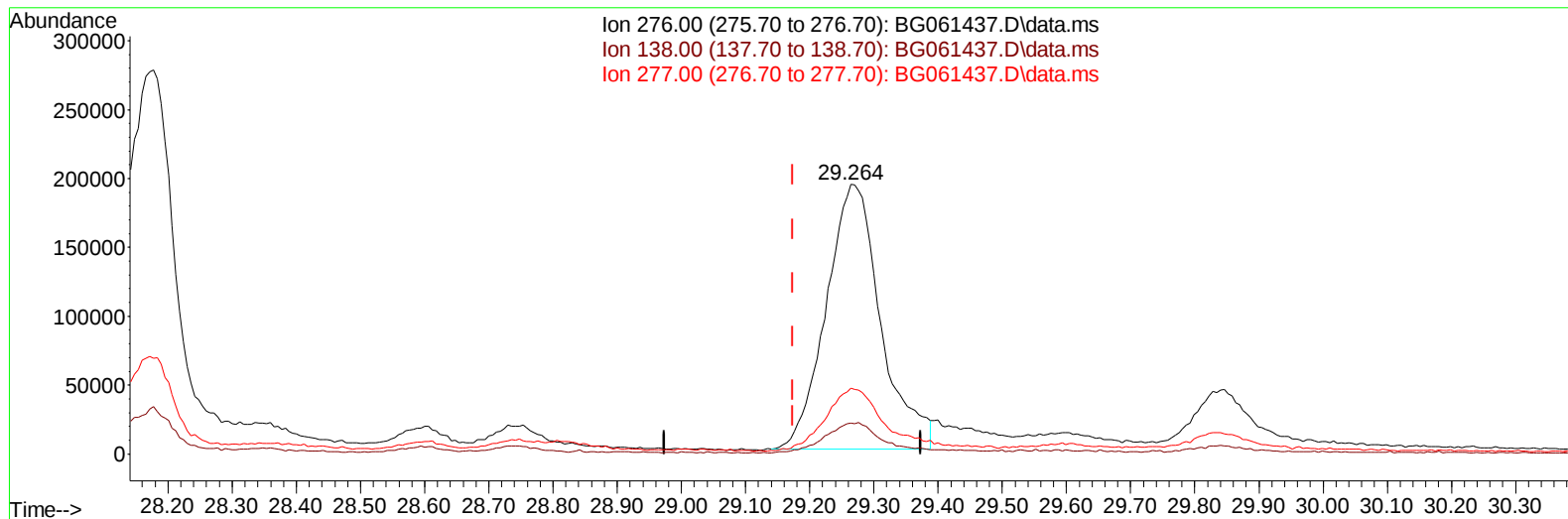
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:40:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

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

29.264min (+ 0.090) 80.57 ng/u1

response 1138756

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	11.46
277.00	22.70	24.36
0.00	0.00	0.00

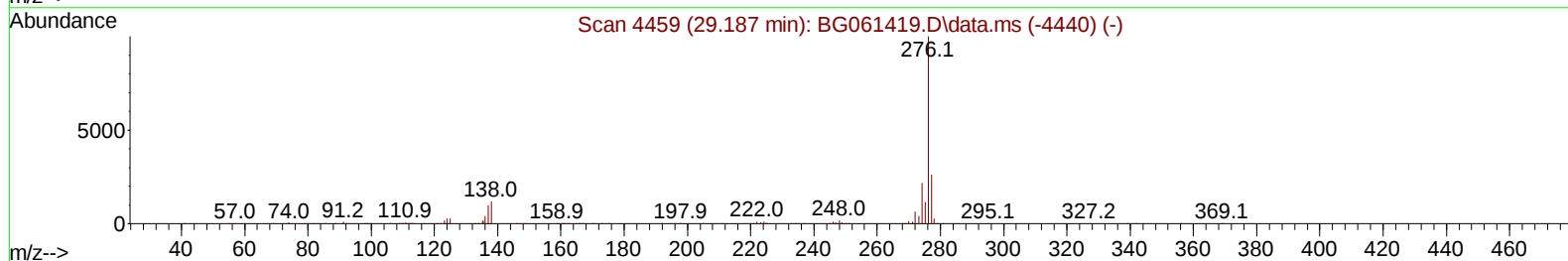
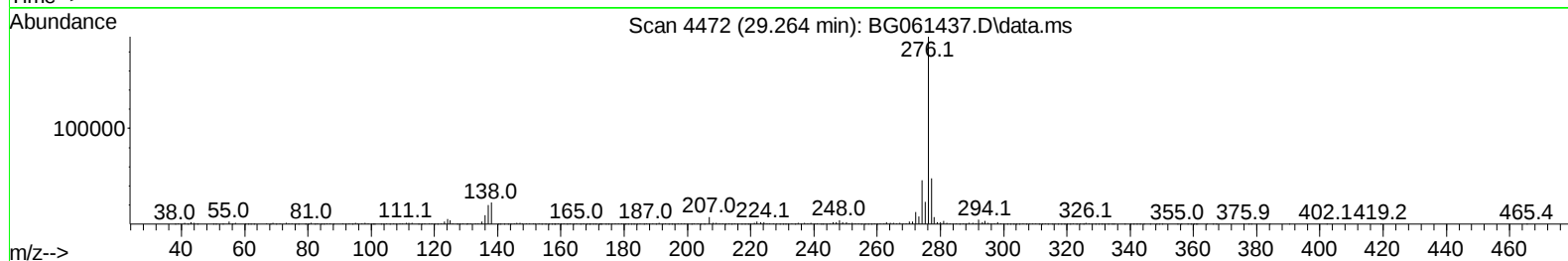
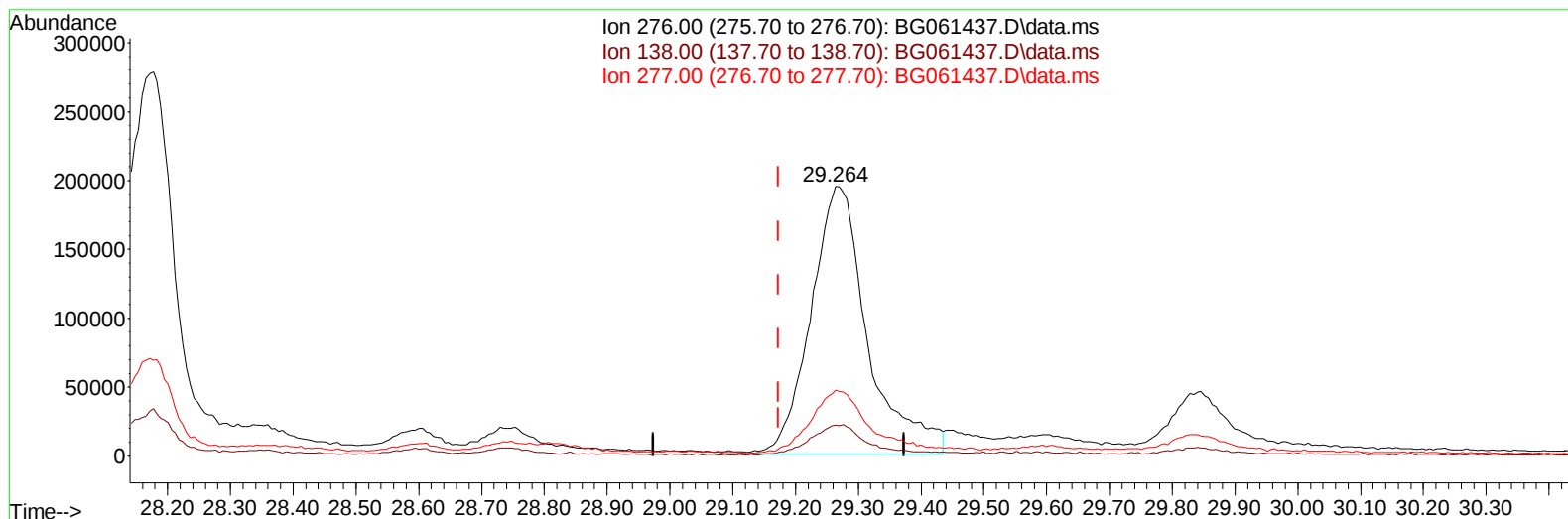
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:40:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



TIC: BG061437.D\data.ms

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

29.264min (+ 0.090) 86.73 ng/ul m

response 1225836

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	11.46
277.00	22.70	24.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061437.D
 Acq On : 4 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2589-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:42:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.872	152	30215	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	117050	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.511	164	87965	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.261	188	198940	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.526	240	219711	20.000	ng/ul	0.01
88) Perylene-d12	24.628	264	259852	20.000	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	3259m	6.036	ng/uL	0.00
4) Pyridine-d5	3.747	84	30146	15.695	ng/ul	0.00
7) Phenol-d5	7.061	99	73937	29.798	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	46011	29.502	ng/ul	0.00
11) 2-Chlorophenol-d4	7.413	132	61005	33.221	ng/ul	0.00
15) 4-Methylphenol-d8	8.594	113	59545	28.144	ng/ul	0.00
21) Nitrobenzene-d5	9.029	128	29875	33.150	ng/ul	0.00
24) 2-Nitrophenol-d4	9.752	143	36794	34.885	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	73453	35.723	ng/ul	0.00
31) 4-Chloroaniline-d4	10.809	131	30482	11.331	ng/ul	0.00
46) Dimethylphthalate-d6	13.917	166	234052	34.306	ng/ul	0.00
49) Acenaphthylene-d8	14.205	160	261073	36.808	ng/ul	0.00
54) 4-Nitrophenol-d4	14.758	143	22655	26.859	ng/ul	0.02
60) Fluorene-d10	15.504	176	207924	35.300	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	27608	22.945	ng/ul	0.01
73) Anthracene-d10	17.360	188	339858	38.749	ng/ul	0.00
81) Pyrene-d10	19.664	212	409552	36.304	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.423	264	448405	35.894	ng/ul	0.04
Target Compounds						
					Qvalue	
8) Phenol	7.090	94	2995	1.185	ng/ul#	91
30) Naphthalene	10.715	128	23050	3.731	ng/ul	97
36) 2-Methylnaphthalene	12.325	142	10259	2.290	ng/ul	89
37) 1-Methylnaphthalene	12.548	142	10476	2.278	ng/ul#	93
50) Acenaphthylene	14.235	152	49366m	6.277	ng/ul	
52) Acenaphthene	14.575	153	21111	4.092	ng/ul	92
56) Dibenzofuran	14.910	168	22854	3.098	ng/ul#	86
61) Fluorene	15.563	166	44076	6.905	ng/ul	95
72) Phenanthrene	17.308	178	1376360	142.544	ng/ul	99
74) Anthracene	17.396	178	173551	17.384	ng/ul	97
77) Carbazole	17.666	167	109473	13.481	ng/ul	99
80) Fluoranthene	19.335	202	3456387	255.400	ng/ul#	95
82) Pyrene	19.699	202	3192579	227.269	ng/ul#	95
85) Benzo(a)anthracene	21.514	228	2259421	149.037	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.409	149	7829	1.096	ng/ul#	78
87) Chrysene	21.579	228	2275602	163.018	ng/ul	93
90) Benzo(b)fluoranthene	23.671	252	3074107	198.696	ng/ul	99
91) Benzo(k)fluoranthene	23.718	252	1209556m	77.011	ng/ul	
93) Benzo(a)pyrene	24.505	252	2279958	155.192	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.177	276	1473431	82.935	ng/ul	98
95) Dibenzo(a,h)anthracene	28.189	278	339416	23.170	ng/ul#	90
96) Benzo(g,h,i)perylene	29.264	276	1225836m	86.732	ng/ul	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061437.D
 Acq On : 4 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2589-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 01:42:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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\BG060324\
Data File : BG061437.D
Acq On : 4 Jun 2024 1:02
Operator : MA/JU
Sample : P2589-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5W5

Manual IntegrationsAPPROVED

Quant Time: Jun 04 01:42:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

