

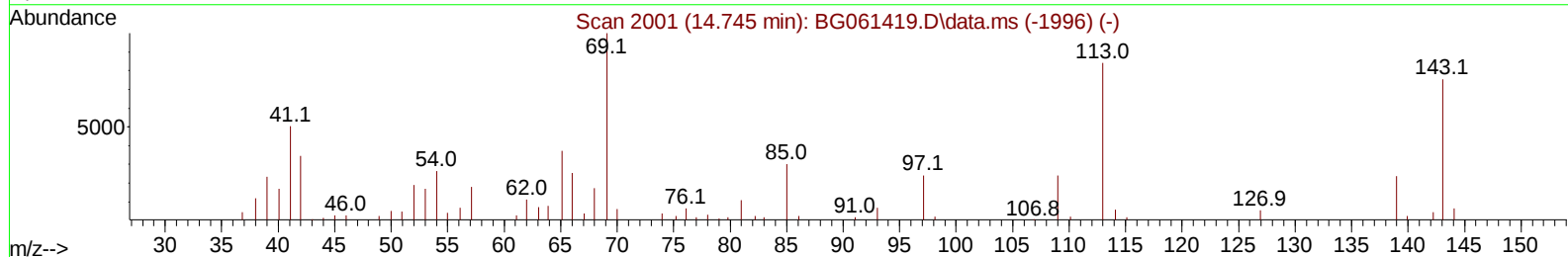
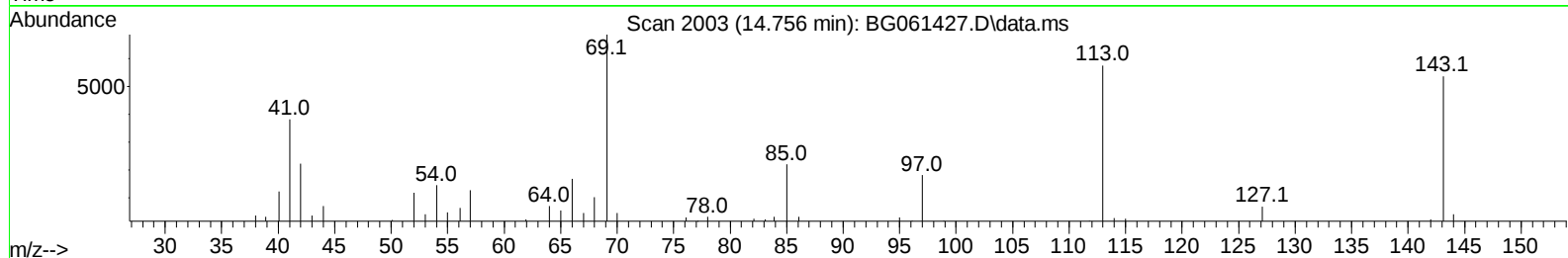
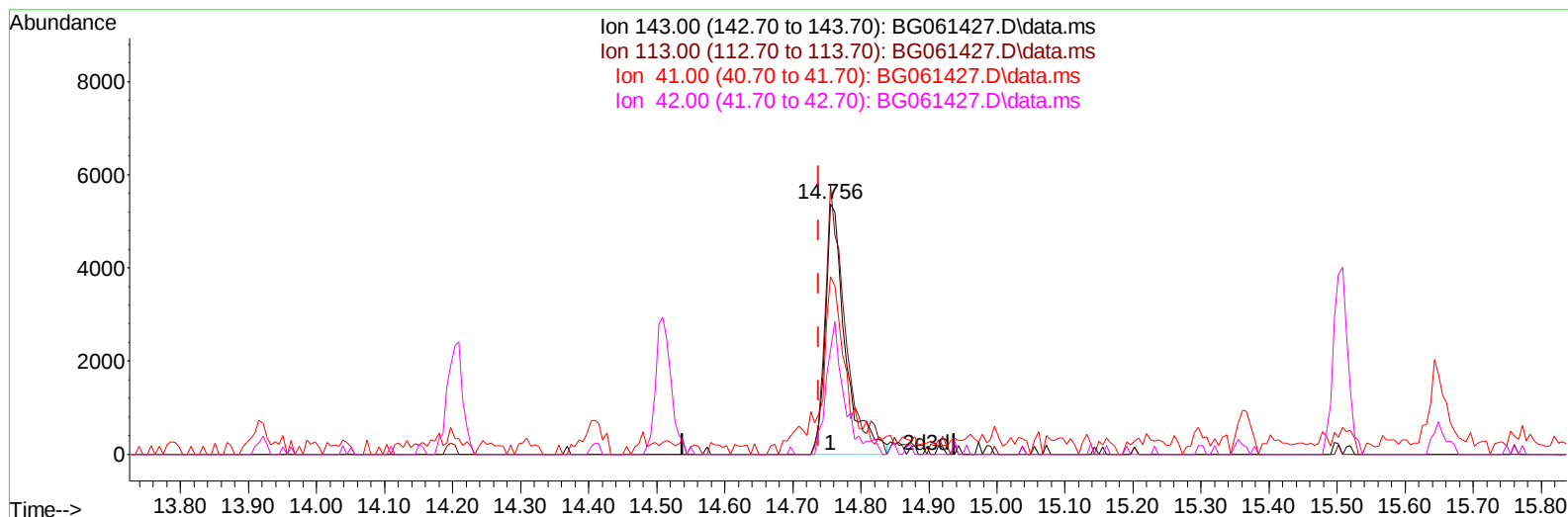
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:10:04 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: BG061427.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.756min (+ 0.018) 10.80 ng/ul m

response 10979

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	107.22
41.00	77.10	71.05
42.00	49.50	41.53

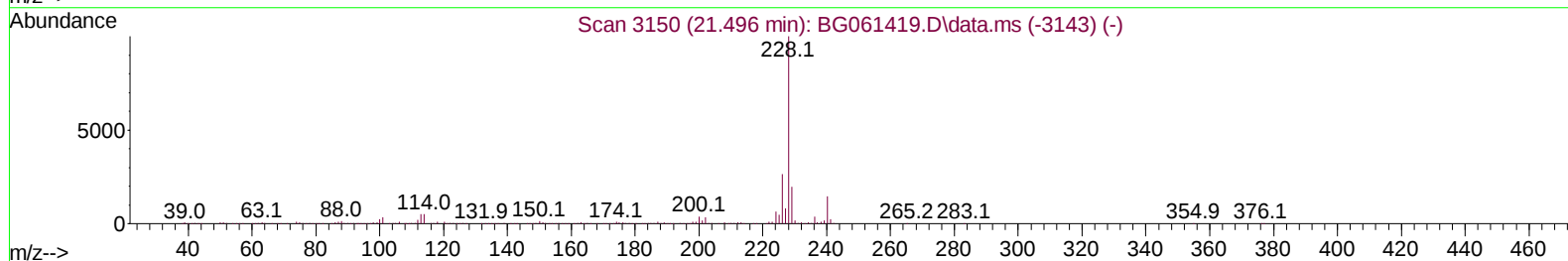
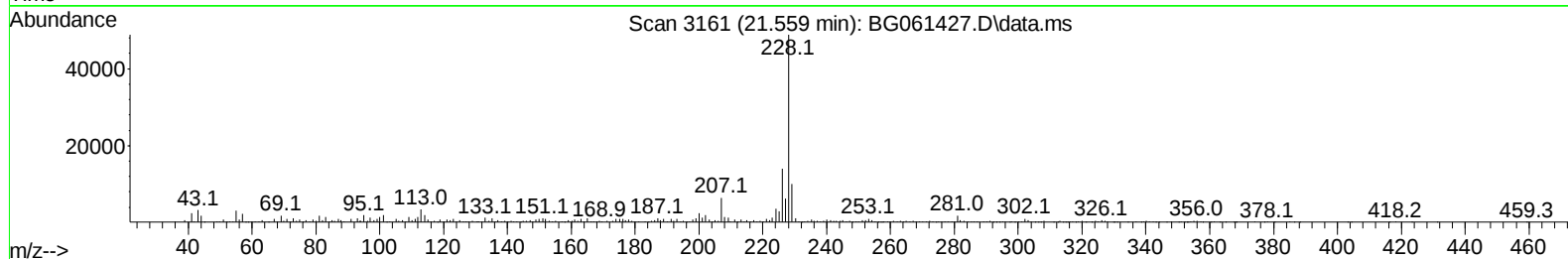
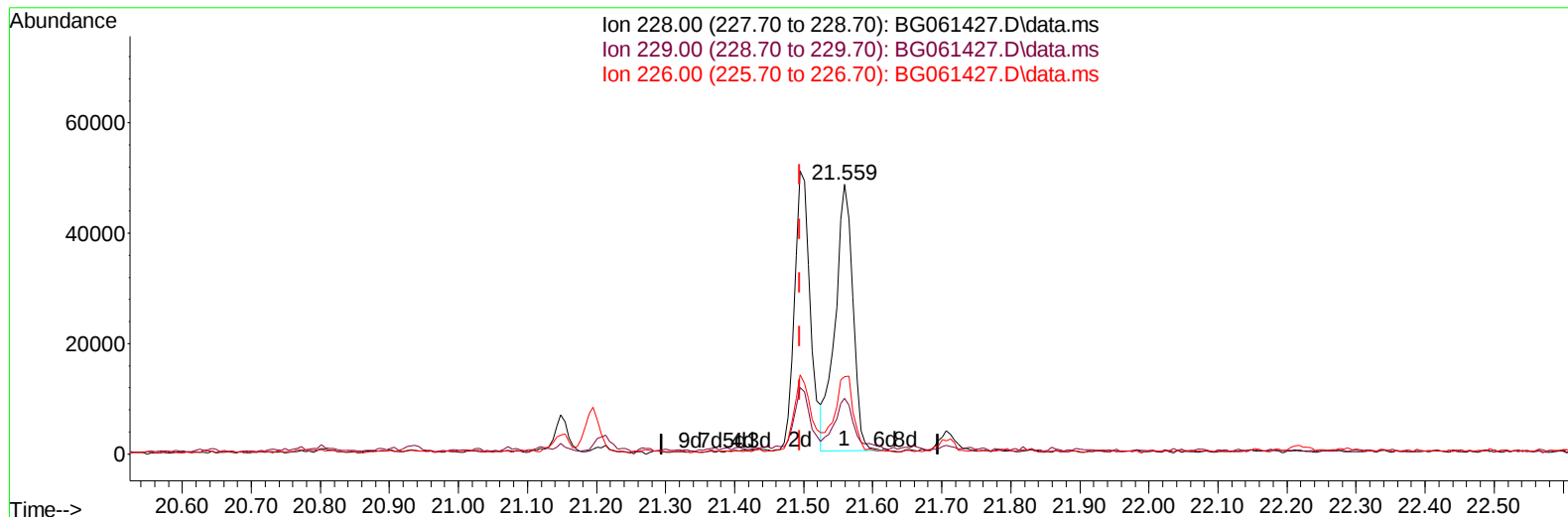
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(85) Benzo(a)anthracene

21.559min (+ 0.065) 4.72 ng/u1

response 86797

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.00	20.64
226.00	26.80	28.72
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061427.D
 Acq On : 3 Jun 2024 17:29
 Operator : MA/JU
 Sample : P2577-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

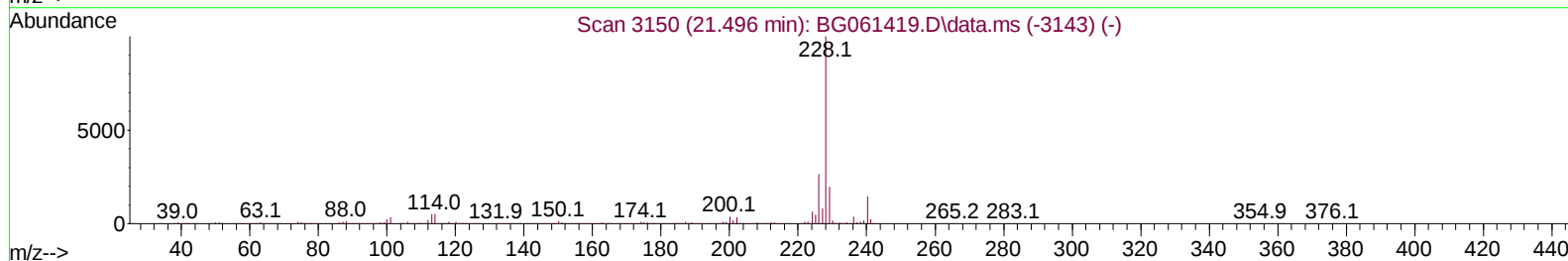
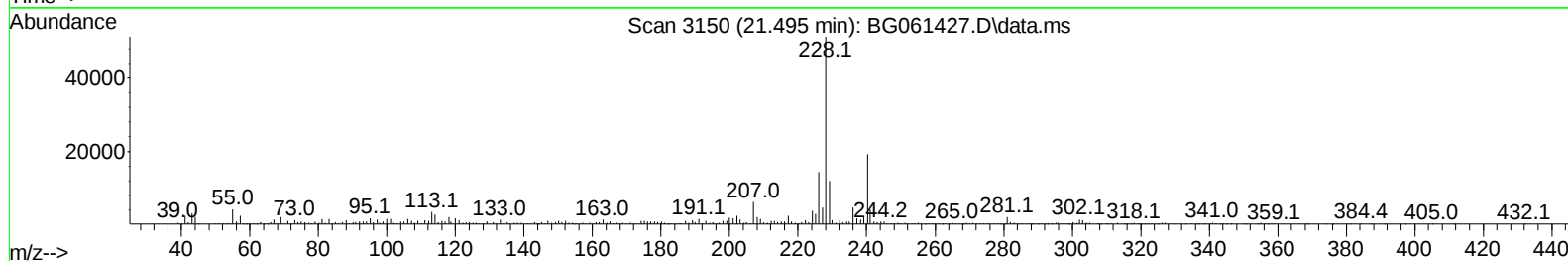
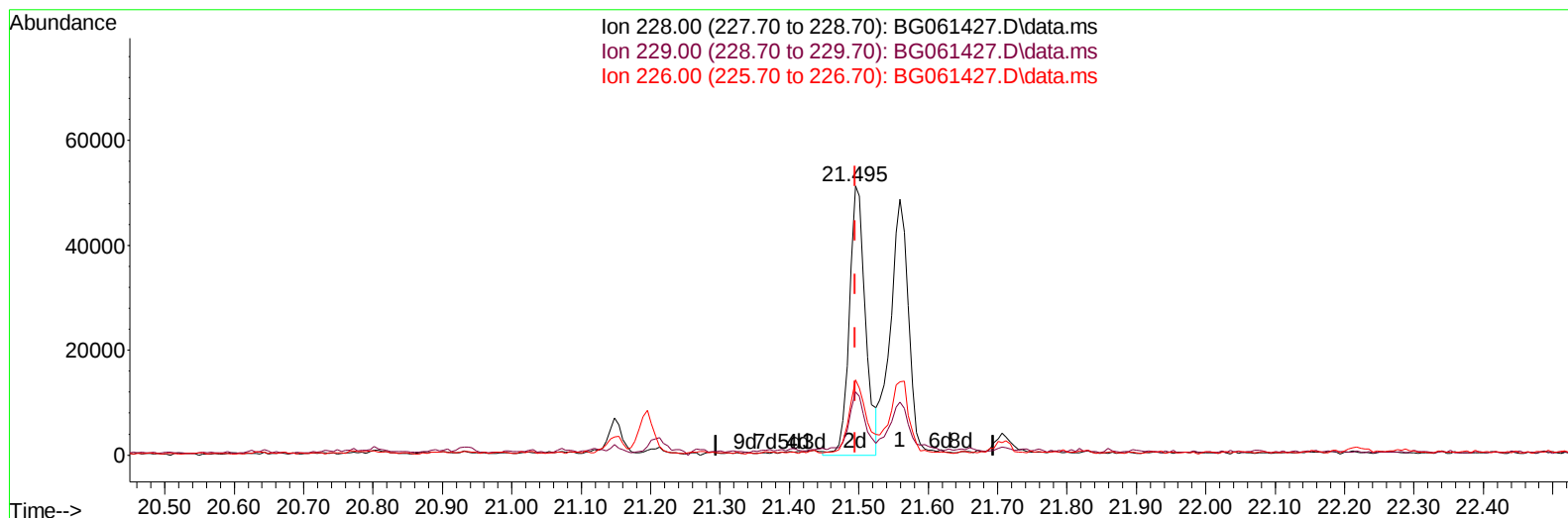
ClientSampleId :

BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(85) Benzo(a)anthracene

21.495min (+ 0.000) 4.53 ng/u1 m

response 83232

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.00	23.39#
226.00	26.80	27.95
0.00	0.00	0.00

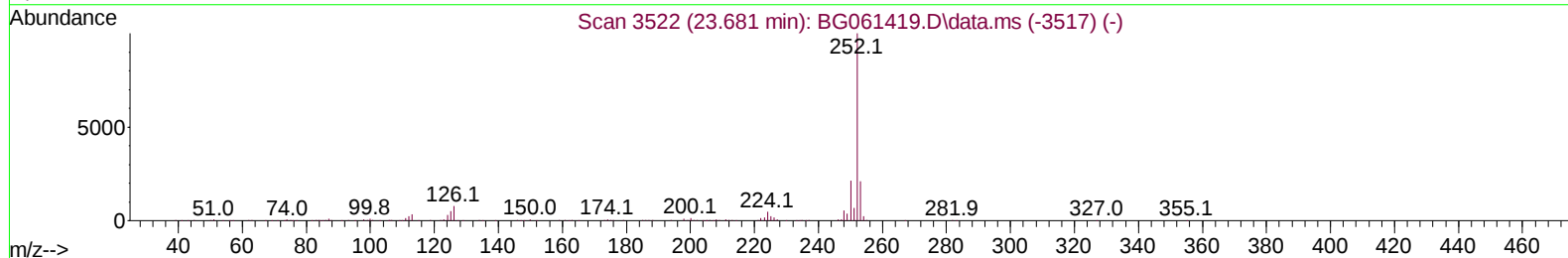
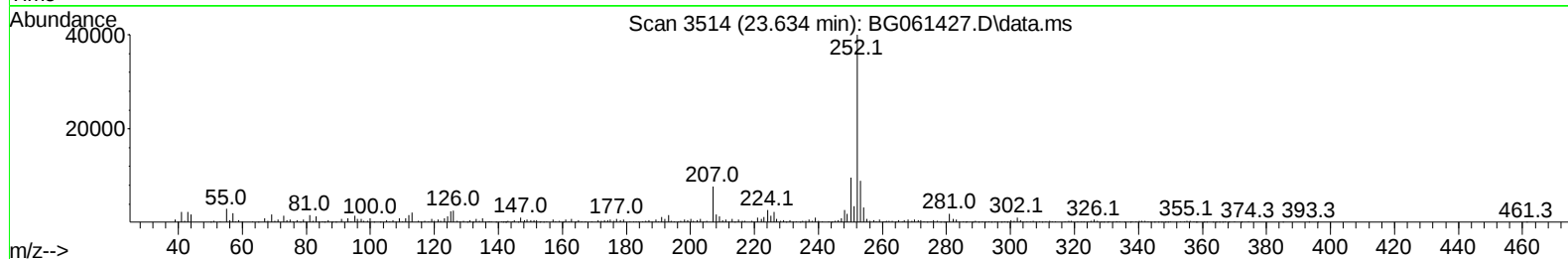
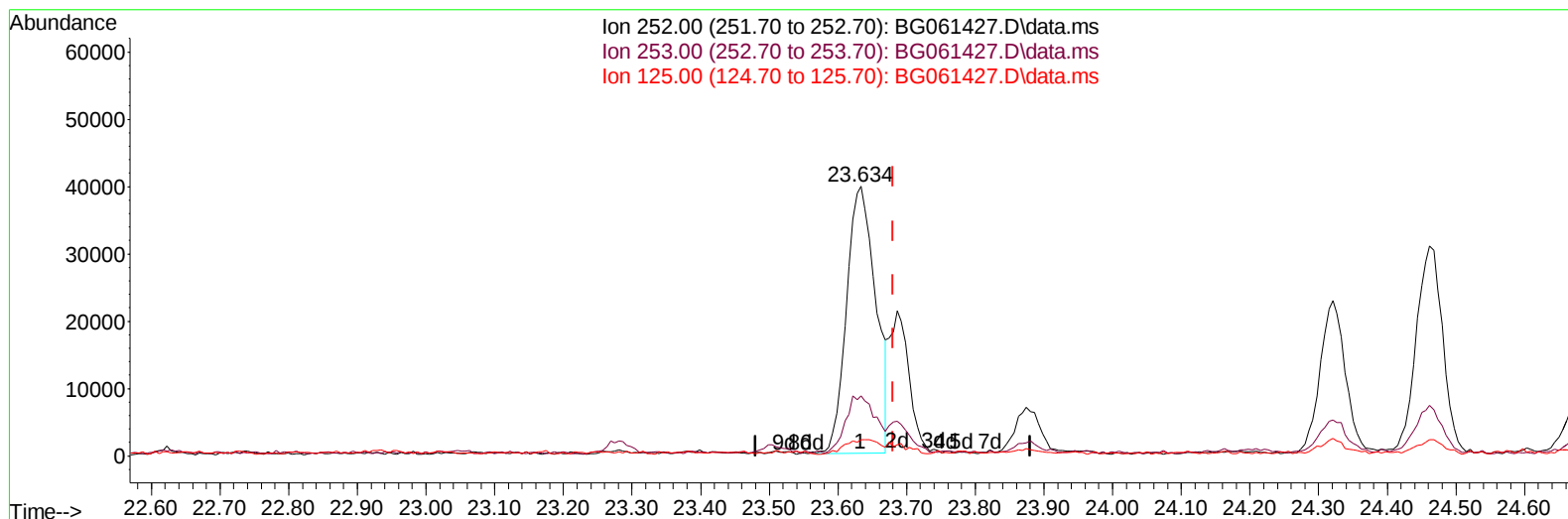
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(91) Benzo(k)fluoranthene

23.634min (-0.047) 6.24 ng/u1

response 117104

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	22.20
125.00	5.40	6.10
0.00	0.00	0.00

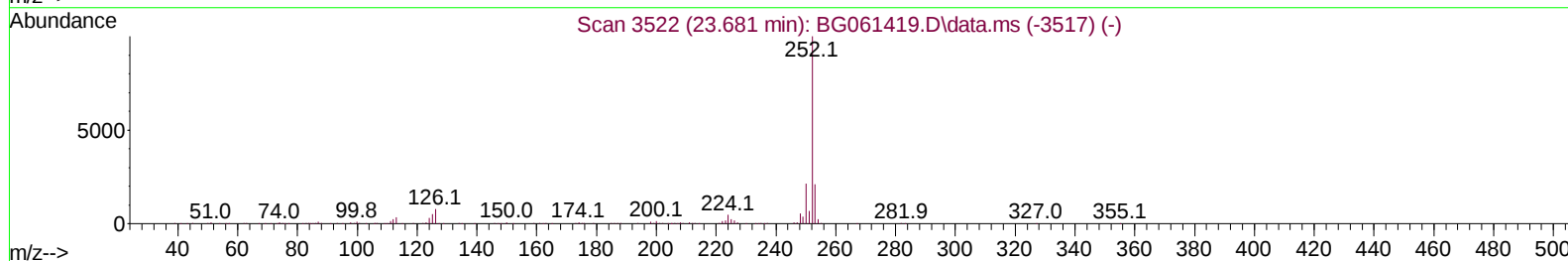
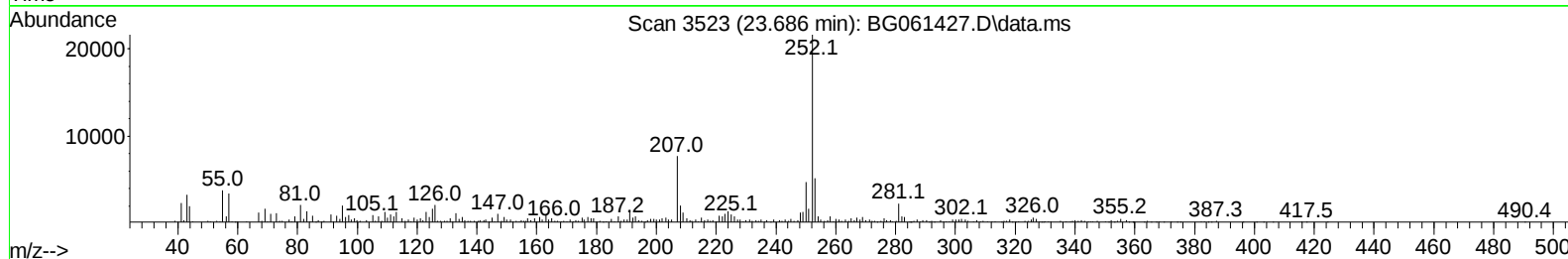
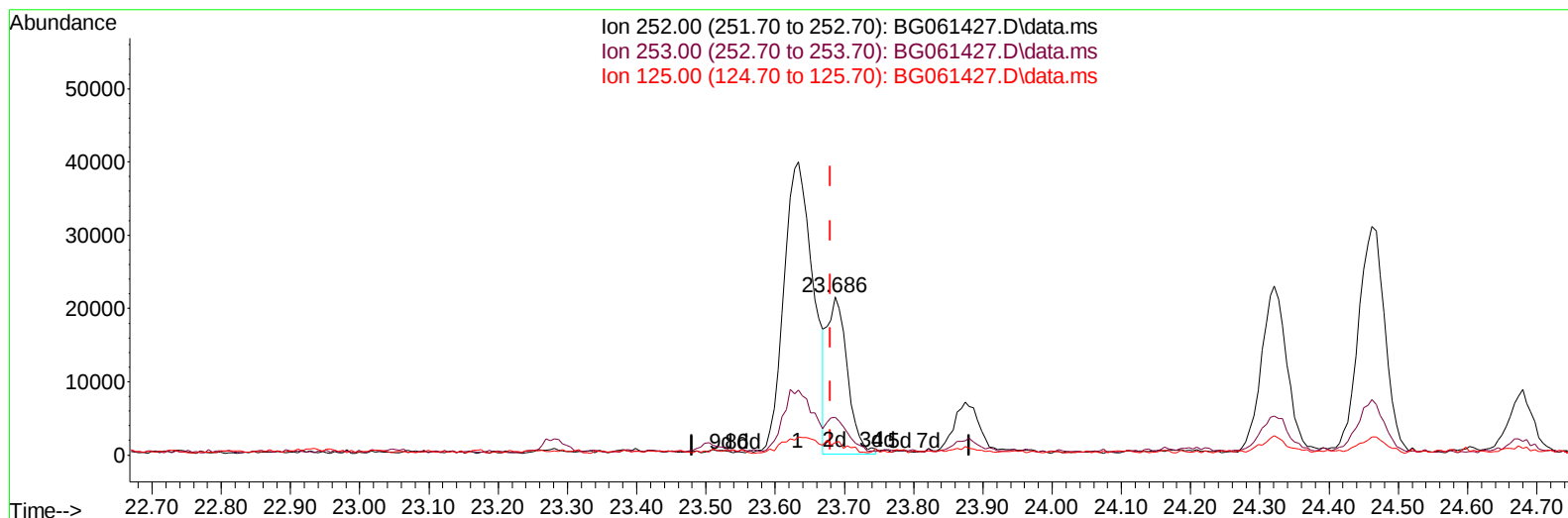
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(91) Benzo(k)fluoranthene

23.686min (+ 0.006) 2.29 ng/u1 m

response 42995

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	23.80
125.00	5.40	7.76#
0.00	0.00	0.00

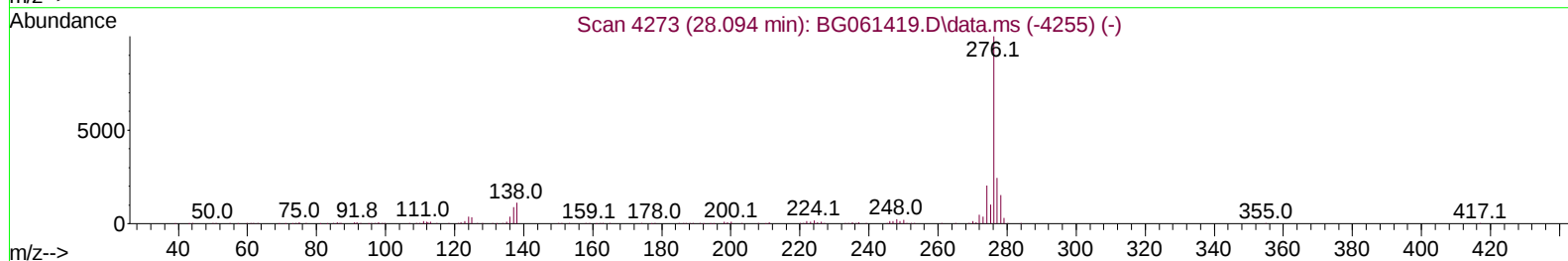
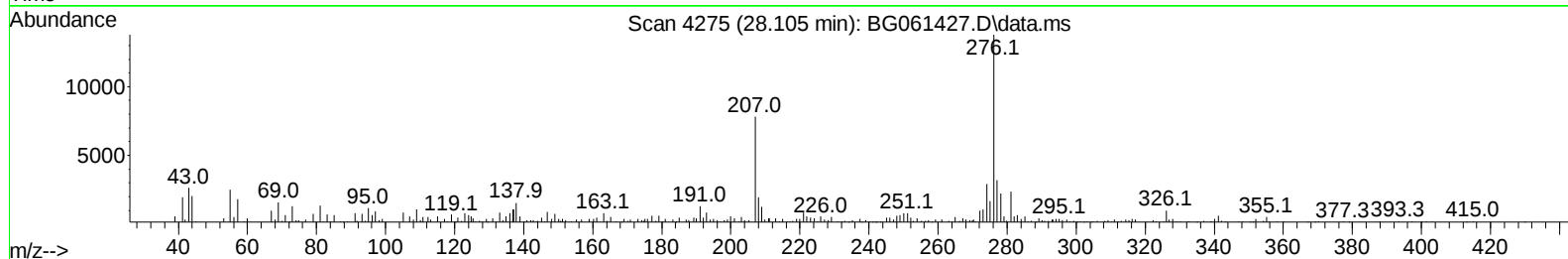
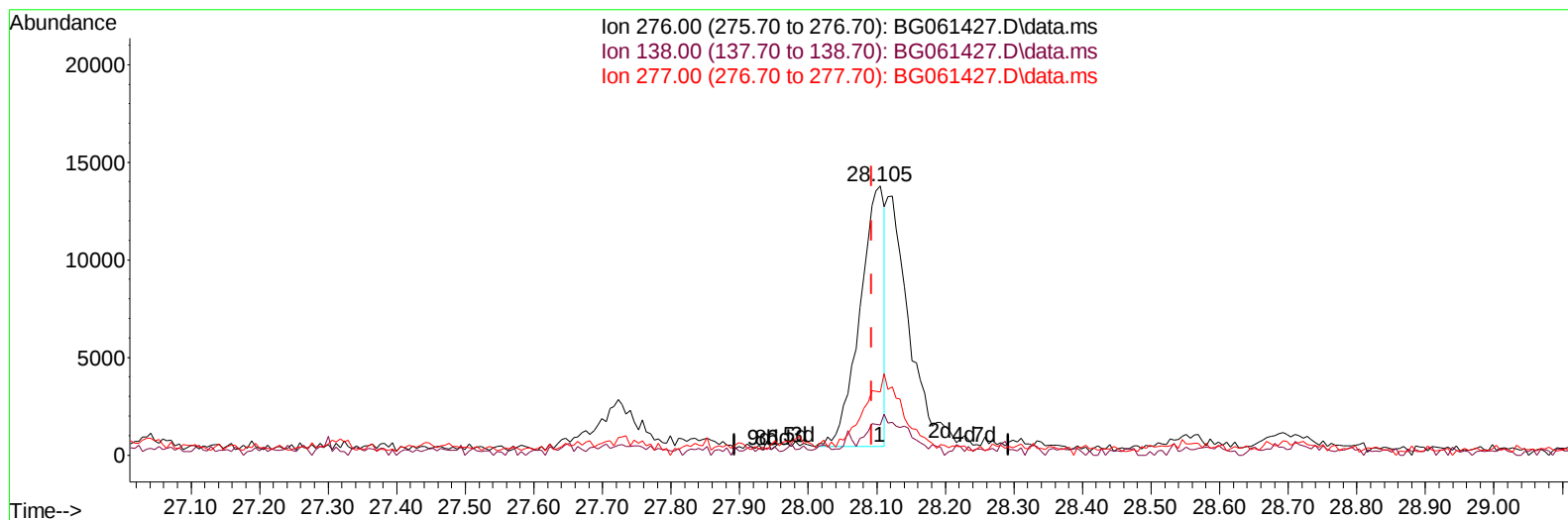
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

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

28.105min (+ 0.012) 1.57 ng/u1

response 33275

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	11.27
277.00	24.60	23.38
0.00	0.00	0.00

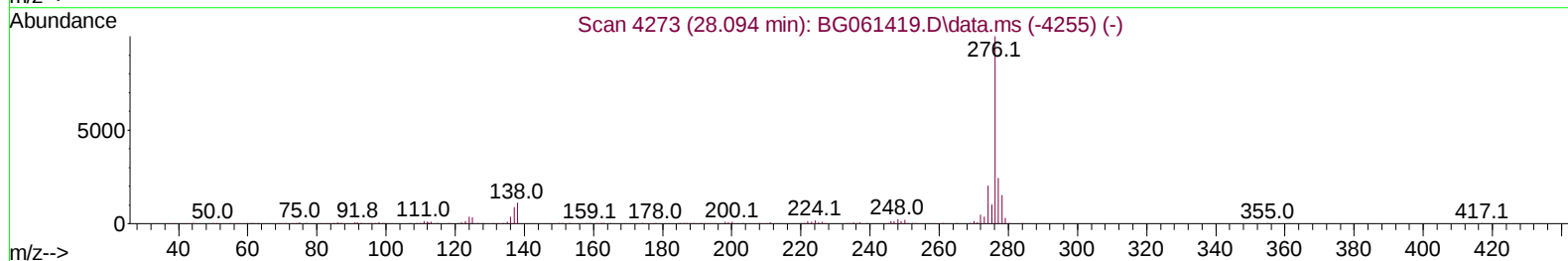
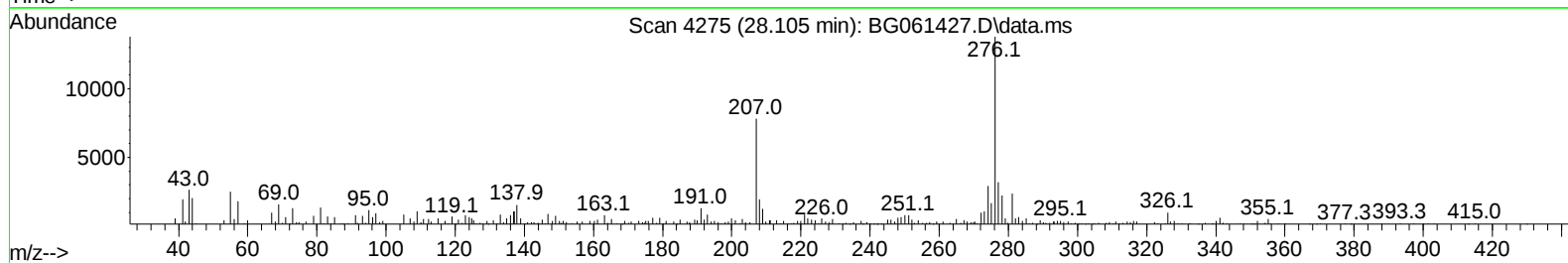
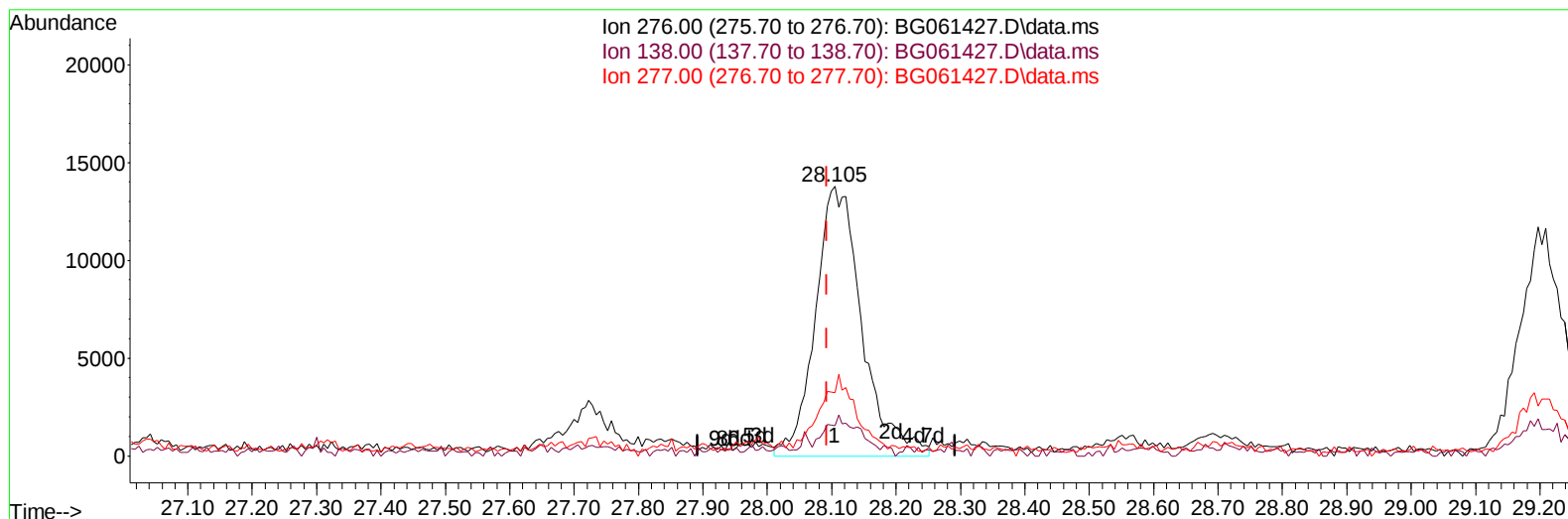
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

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

28.105min (+ 0.012) 3.28 ng/u1 m

response 69665

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	11.27
277.00	24.60	23.38
0.00	0.00	0.00

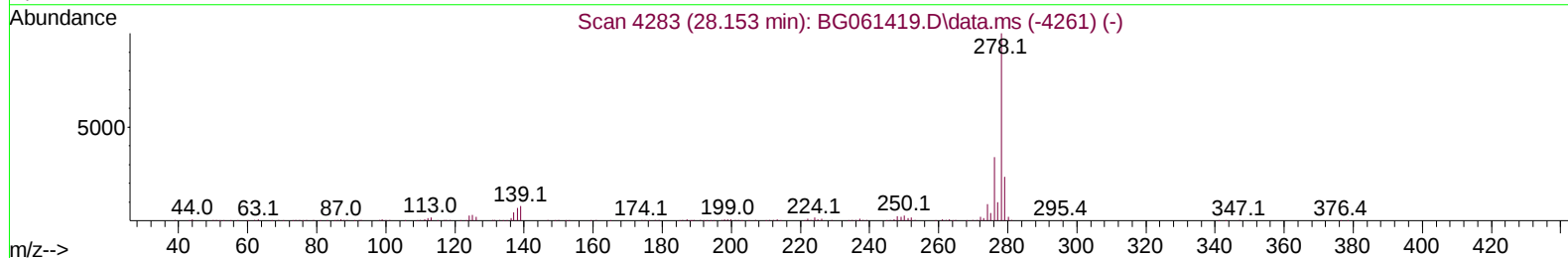
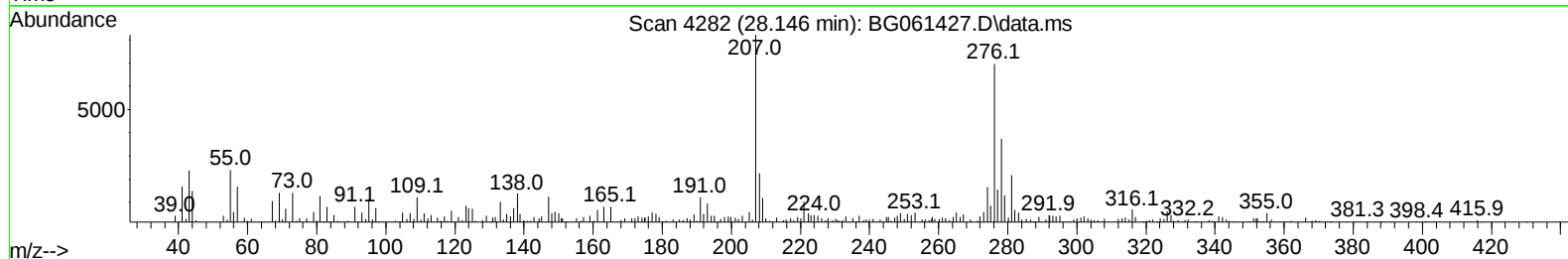
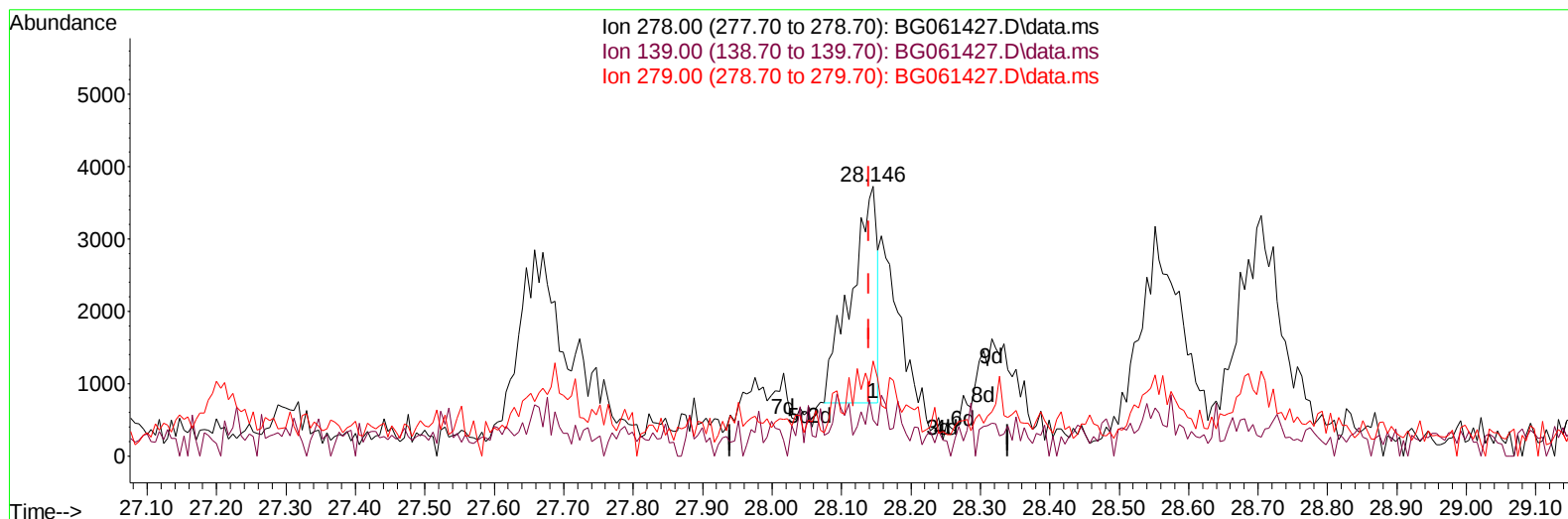
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(95) Dibenzo(a,h)anthracene

28.146min (+ 0.006) 0.45 ng/u1

response 7802

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	13.37#
279.00	24.90	35.21#
0.00	0.00	0.00

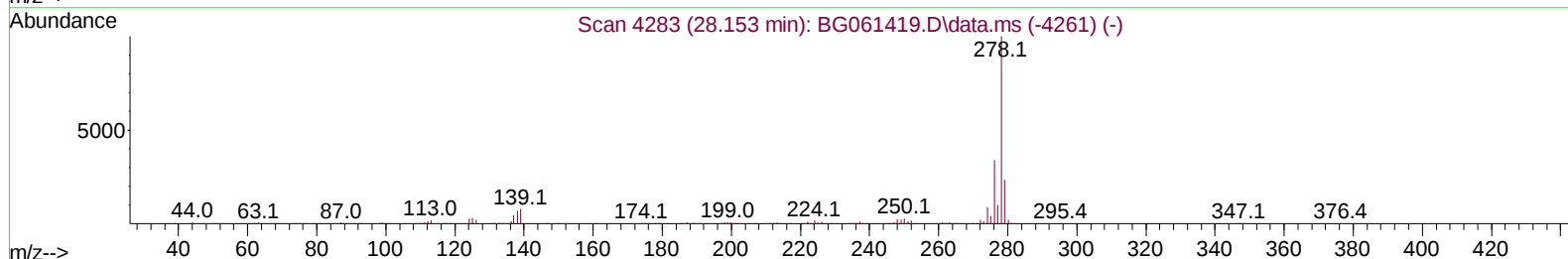
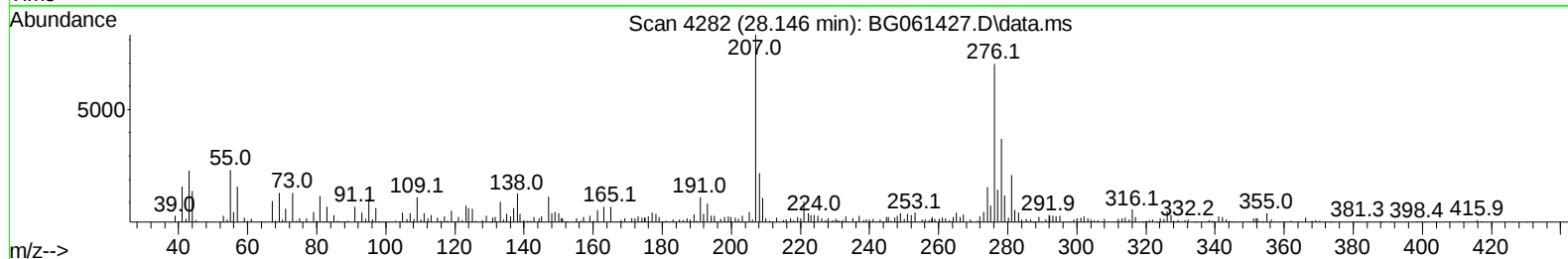
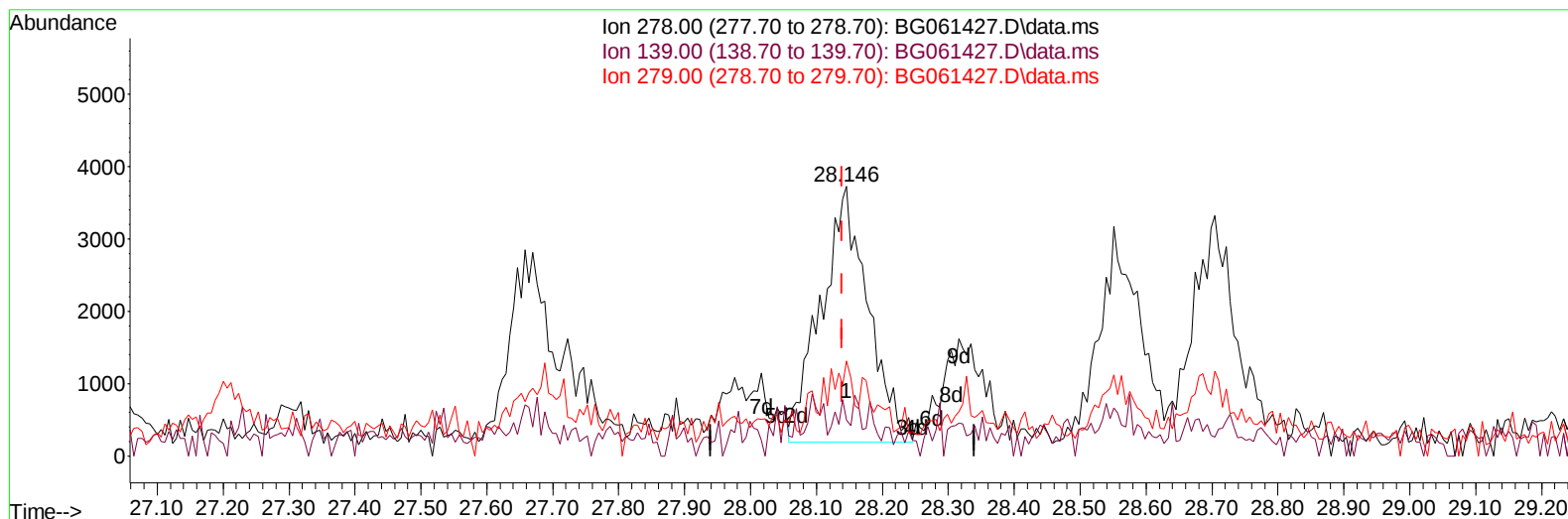
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

(95) Dibenzo(a,h)anthracene

28.146min (+ 0.006) 1.00 ng/ul m

response 17417

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	13.37#
279.00	24.90	35.21#
0.00	0.00	0.00

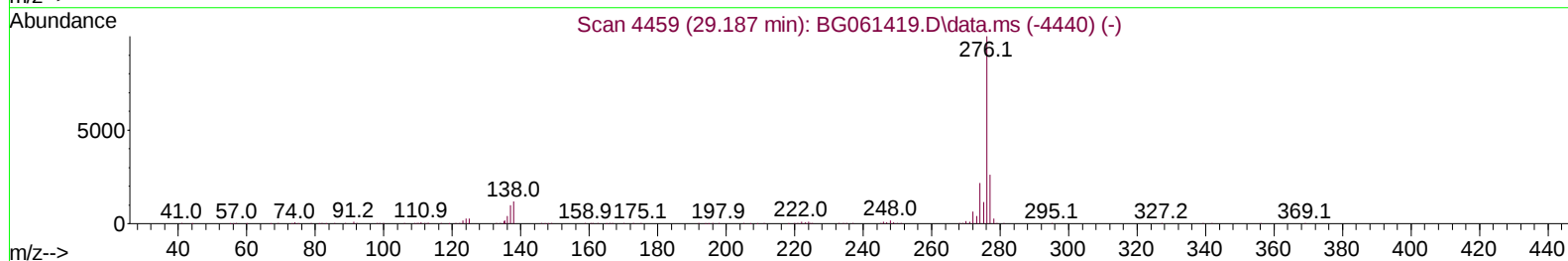
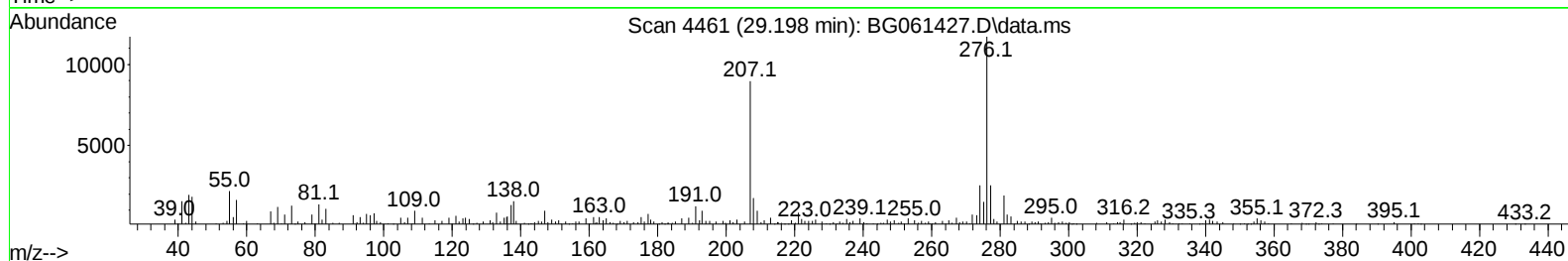
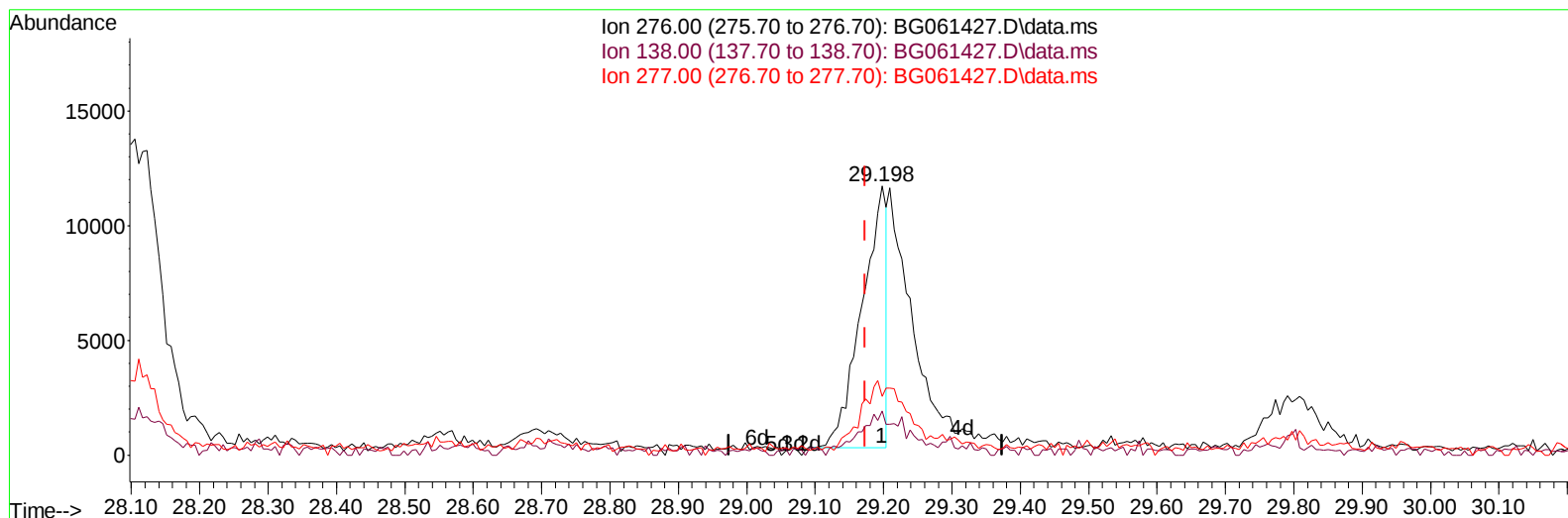
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061427.D
 Acq On : 3 Jun 2024 17:29
 Operator : MA/JU
 Sample : P2577-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

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

29.198min (+ 0.024) 1.69 ng/u1

response 28485

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	16.29#
277.00	22.70	21.86
0.00	0.00	0.00

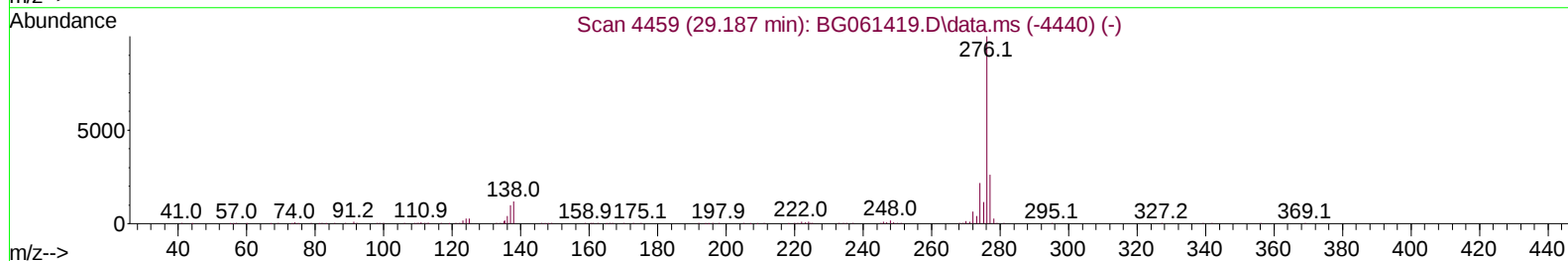
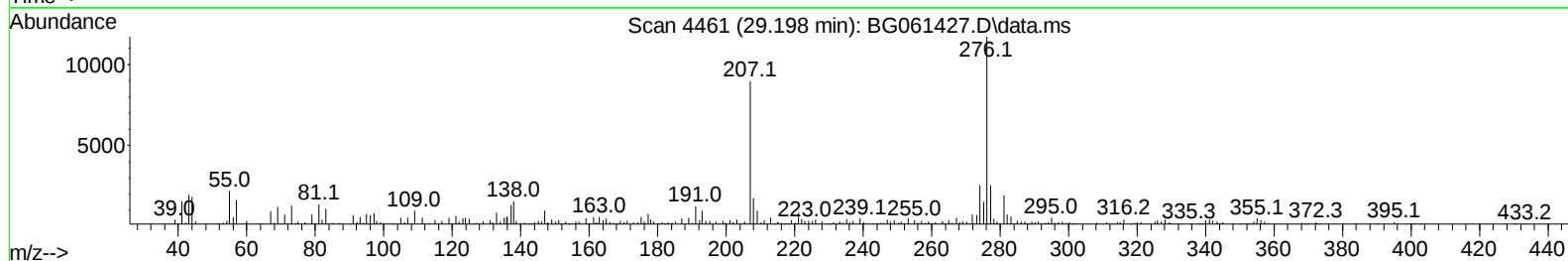
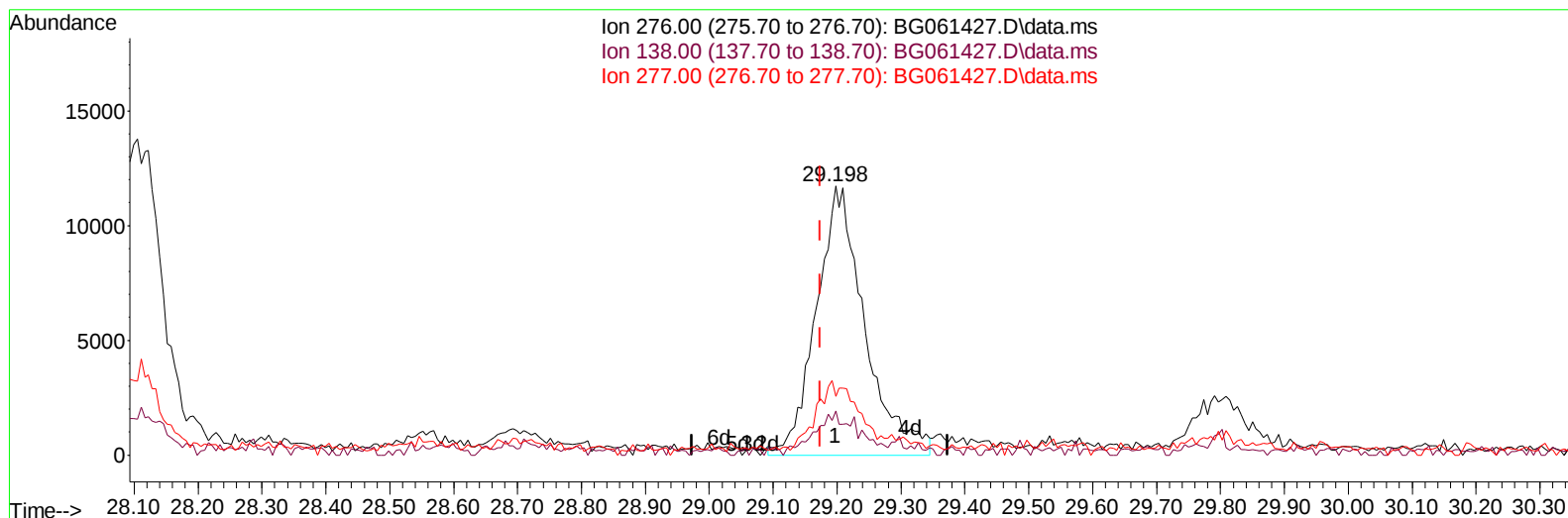
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061427.D
 Acq On : 3 Jun 2024 17:29
 Operator : MA/JU
 Sample : P2577-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 18:07:13 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: BG061427.D\data.ms

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

29.198min (+ 0.024) 3.66 ng/u1 m

response 61785

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	13.41#
277.00	22.70	21.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061427.D
 Acq On : 3 Jun 2024 17:29
 Operator : MA/JU
 Sample : P2577-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 23:48:47 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	7.875	152	34133	20.000	ng/ul	0.00
20) Naphthalene-d8	10.672	136	136695	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.515	164	106012	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.265	188	251728	20.000	ng/ul	0.00
79) Chrysene-d12	21.518	240	266495	20.000	ng/ul	0.00
88) Perylene-d12	24.609	264	310346	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	1894	3.105	ng/uL	0.00
4) Pyridine-d5	3.757	84	3018	1.391	ng/ul	0.02
7) Phenol-d5	7.065	99	56327	20.095	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	37434	21.247	ng/ul	0.00
11) 2-Chlorophenol-d4	7.417	132	47144	22.726	ng/ul	0.00
15) 4-Methylphenol-d8	8.598	113	48115	20.131	ng/ul	0.00
21) Nitrobenzene-d5	9.033	128	26054	24.755	ng/ul	0.00
24) 2-Nitrophenol-d4	9.756	143	28330	23.000	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	58541	24.379	ng/ul	0.00
31) 4-Chloroaniline-d4	10.807	131	38979	12.408	ng/ul	0.00
46) Dimethylphthalate-d6	13.915	166	194522	23.659	ng/ul	0.00
49) Acenaphthylene-d8	14.203	160	225043	26.327	ng/ul	0.00
54) 4-Nitrophenol-d4	14.756	143	10979m	10.801	ng/ul	0.02
60) Fluorene-d10	15.508	176	183040	25.785	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	26888	17.660	ng/ul	0.01
73) Anthracene-d10	17.364	188	281321	25.349	ng/ul	0.00
81) Pyrene-d10	19.656	212	363074	26.534	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.397	264	389230	26.088	ng/ul	0.01
Target Compounds						
					Qvalue	
72) Phenanthrene	17.306	178	82133	6.722	ng/ul	99
80) Fluoranthene	19.321	202	156040	9.506	ng/ul	99
82) Pyrene	19.685	202	136441	8.008	ng/ul	100
85) Benzo(a)anthracene	21.495	228	83232m	4.526	ng/ul	
87) Chrysene	21.559	228	86535	5.111	ng/ul	98
90) Benzo(b)fluoranthene	23.634	252	117128	6.339	ng/ul	100
91) Benzo(k)fluoranthene	23.686	252	42995m	2.292	ng/ul	
93) Benzo(a)pyrene	24.462	252	82127	4.681	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	28.105	276	69665m	3.283	ng/ul	
96) Benzo(g,h,i)perylene	29.198	276	61785m	3.660	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061427.D
Acq On : 3 Jun 2024 17:29
Operator : MA/JU
Sample : P2577-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP1

Manual IntegrationsAPPROVED

Quant Time: Jun 03 23:48:47 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

