

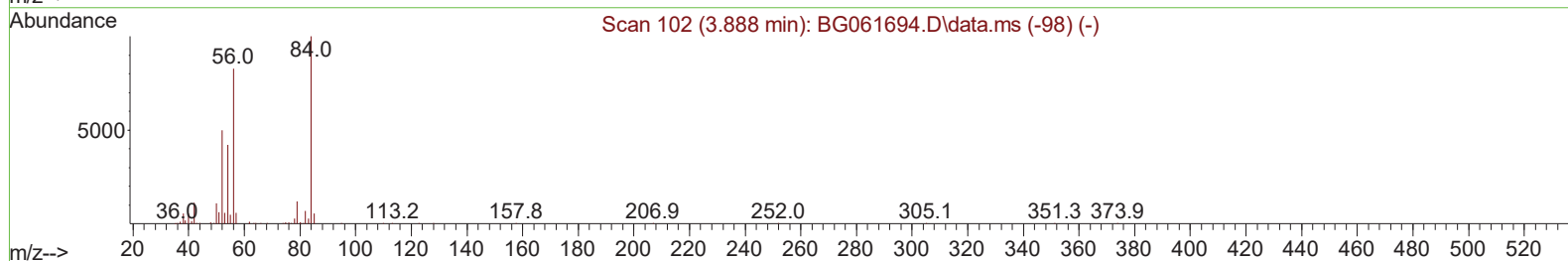
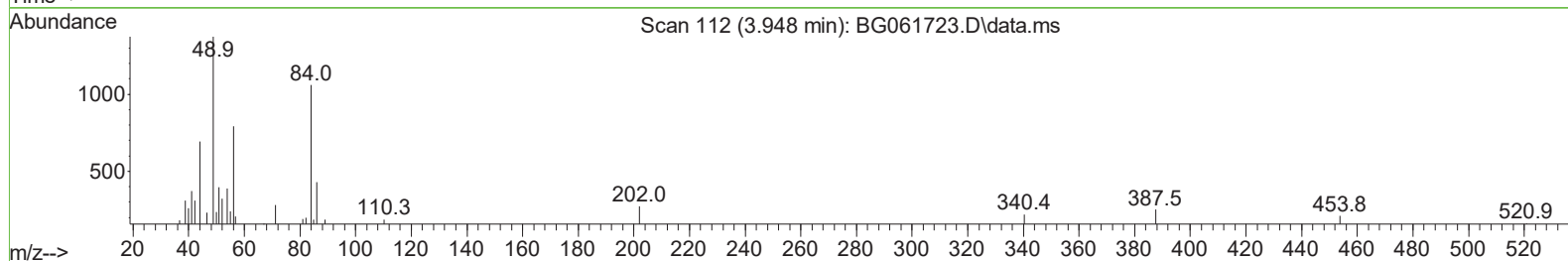
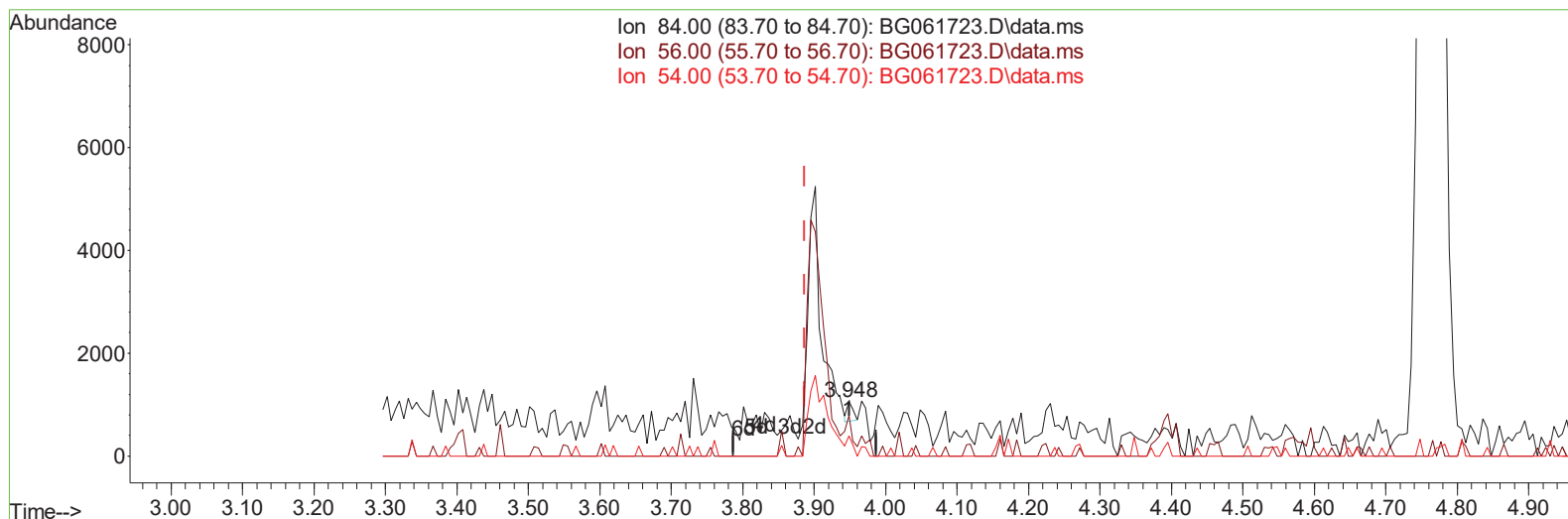
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061723.D
 Acq On : 26 Jun 2024 5:29
 Operator : MA/JU
 Sample : P2873-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:03:18 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 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(4) Pyridine-d5 (S)

3.948min (+ 0.061) 0.03 ng/u1

response 220

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	82.60	74.69
54.00	43.00	36.73
0.00	0.00	0.00

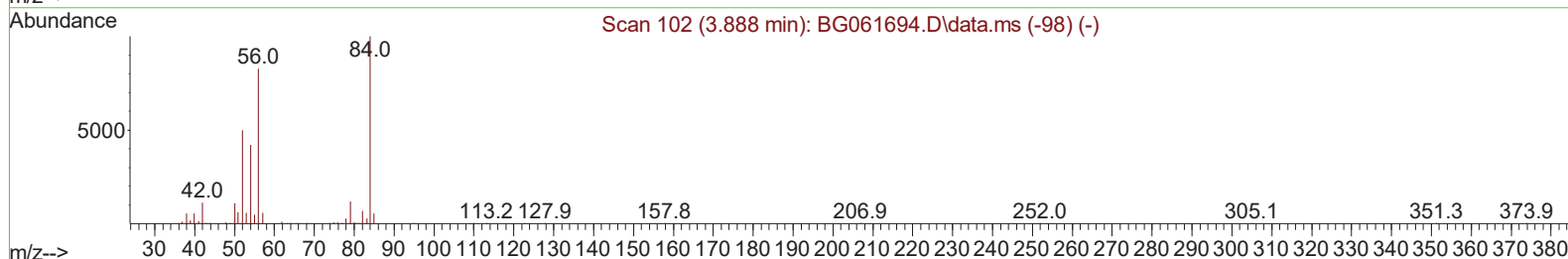
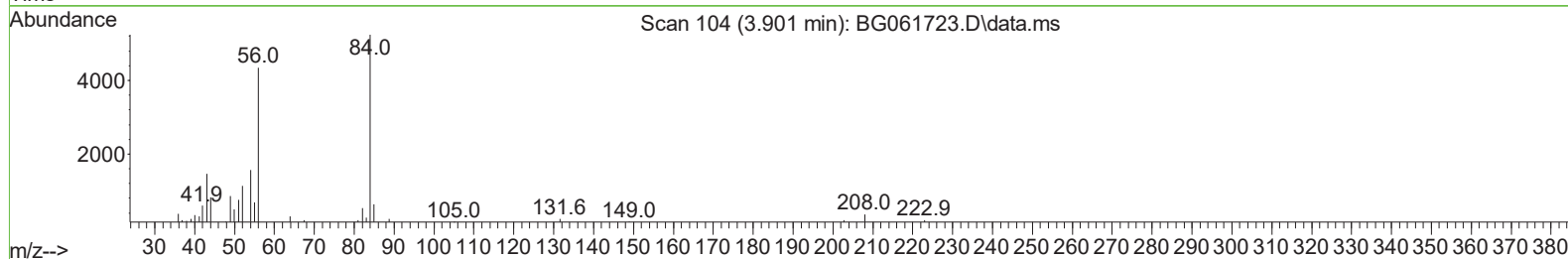
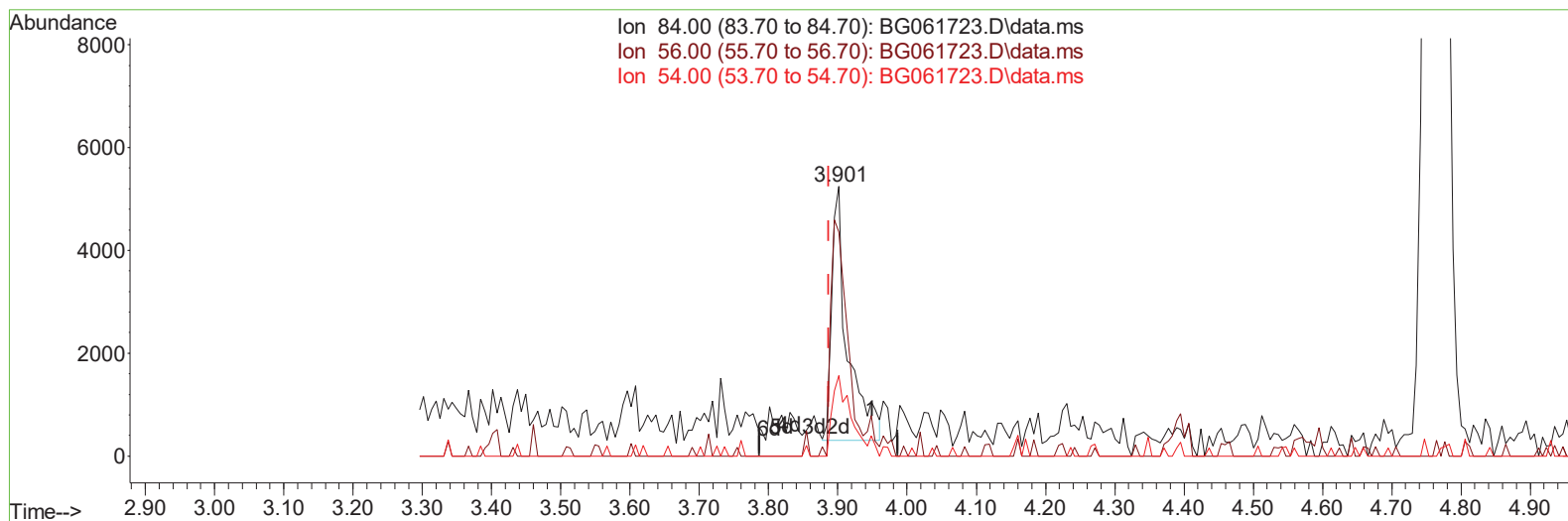
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:03:18 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(4) Pyridine-d5 (S)

3.901min (+ 0.014) 1.14 ng/ul m

response 7807

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	82.60	83.04
54.00	43.00	29.89#
0.00	0.00	0.00

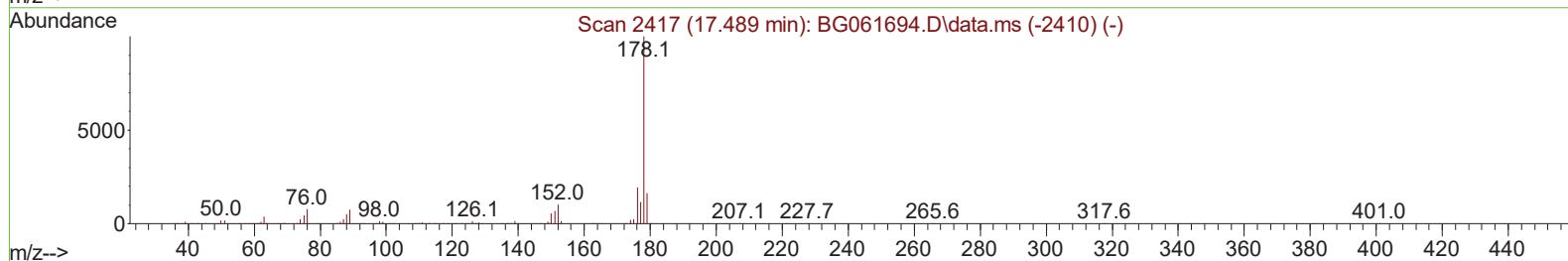
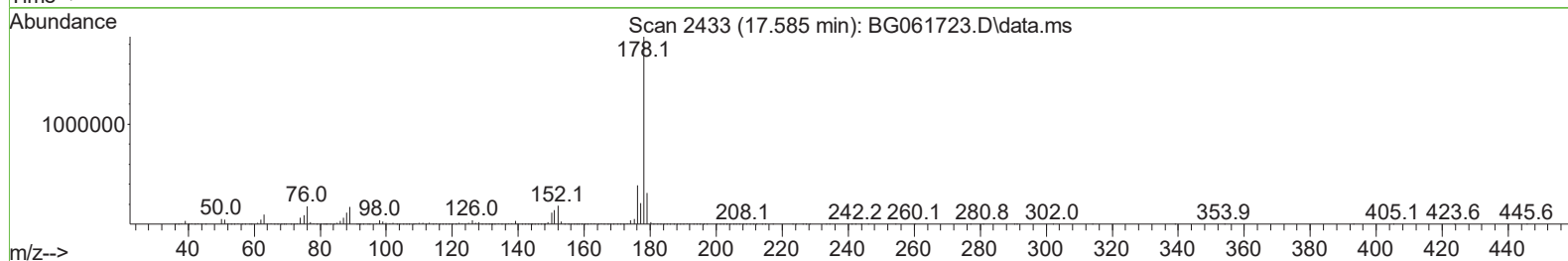
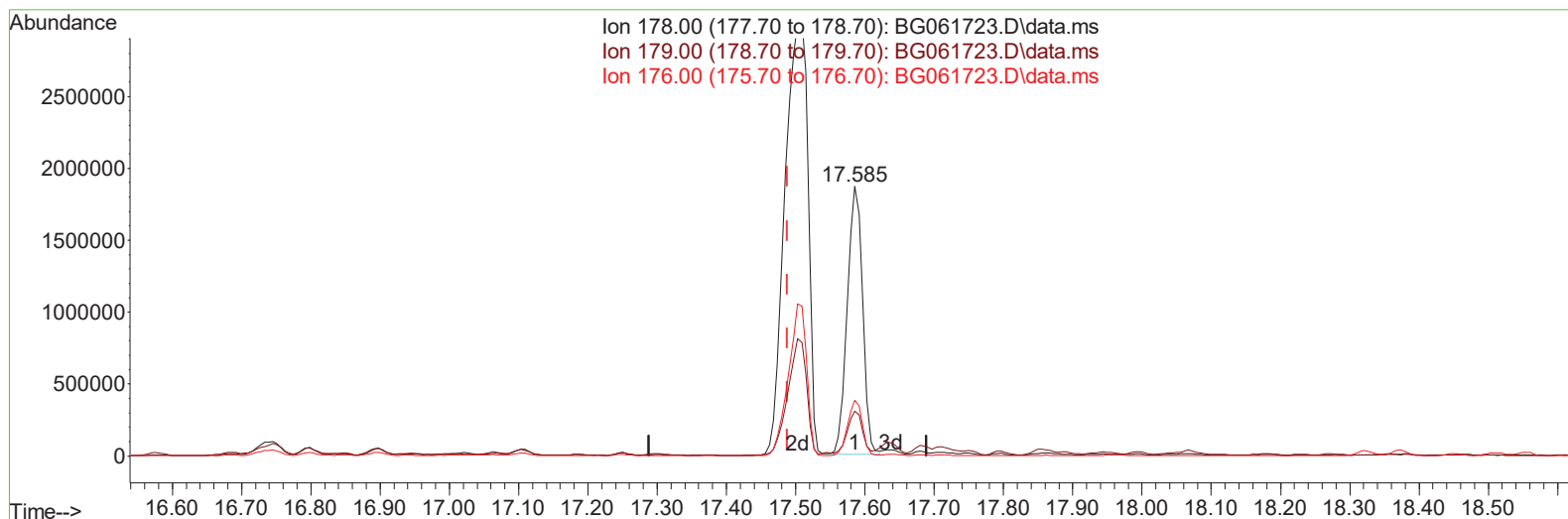
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061723.D
 Acq On : 26 Jun 2024 5:29
 Operator : MA/JU
 Sample : P2873-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:05:12 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 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(72) Phenanthrene

17.585min (+ 0.096) 93.60 ng/ul

response 2857289

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.00	16.72
176.00	20.20	20.74
0.00	0.00	0.00

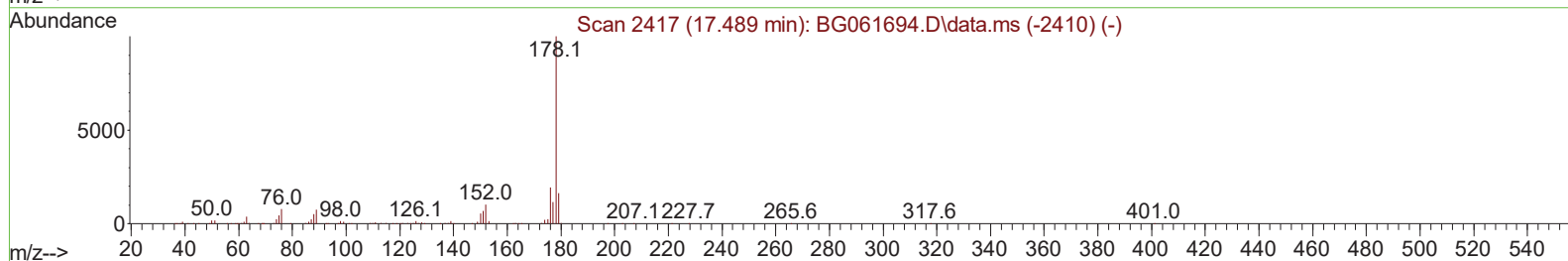
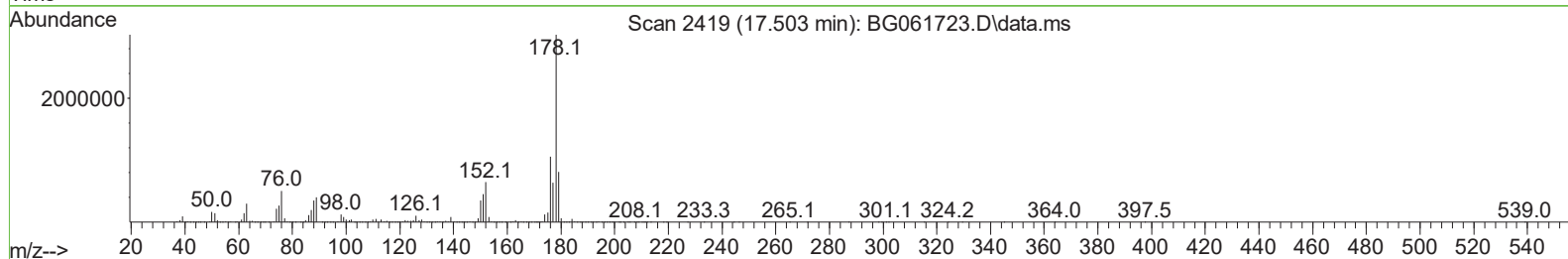
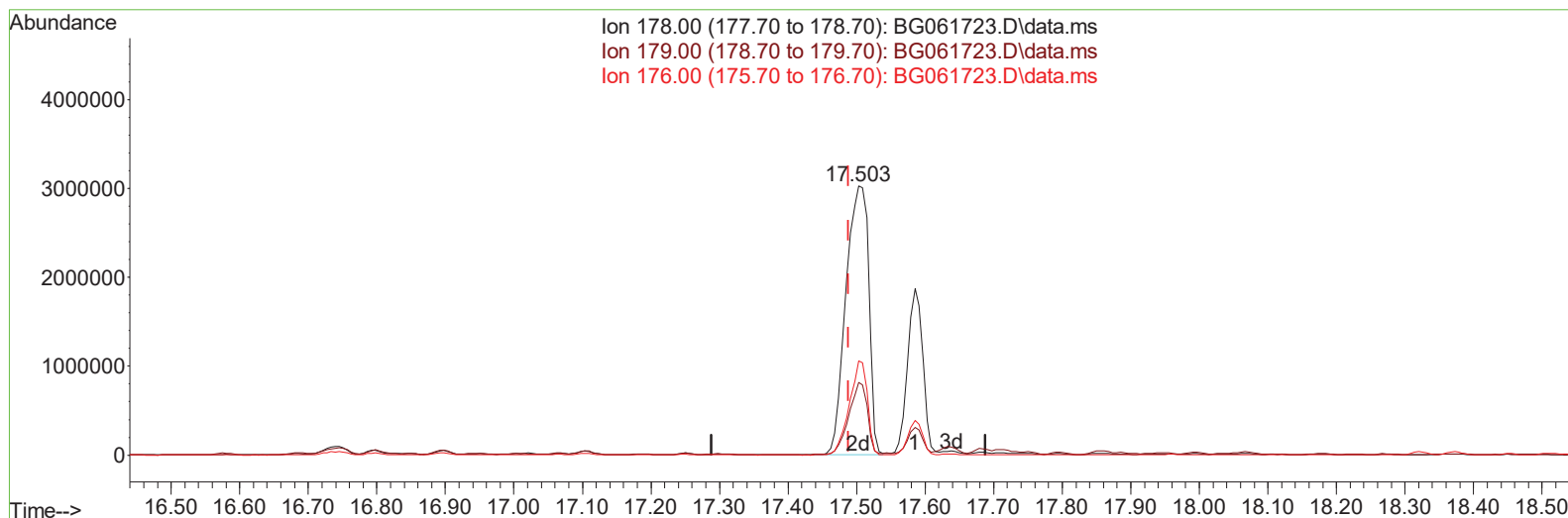
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:05:12 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(72) Phenanthrene

17.503min (+ 0.014) 229.45 ng/ul m

response 7003920

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.00	26.95#
176.00	20.20	34.98#
0.00	0.00	0.00

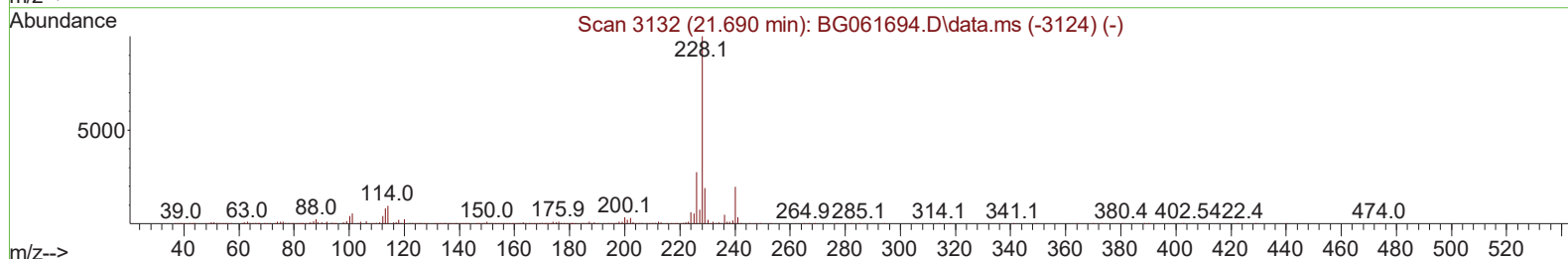
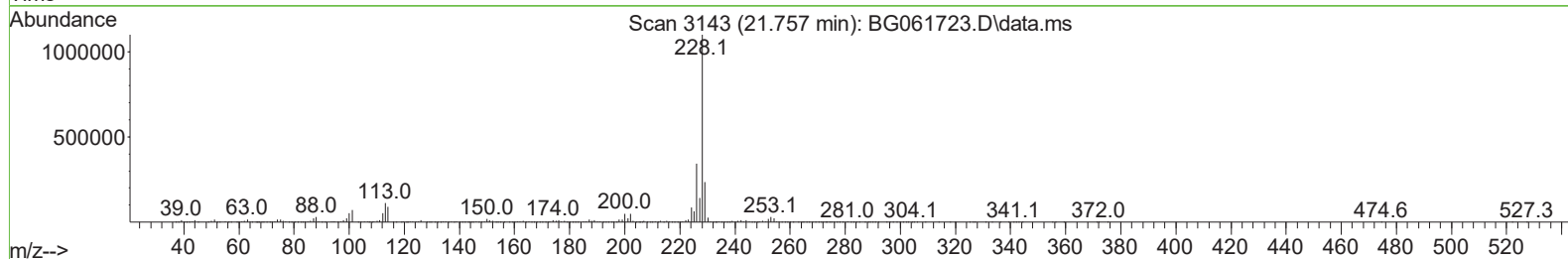
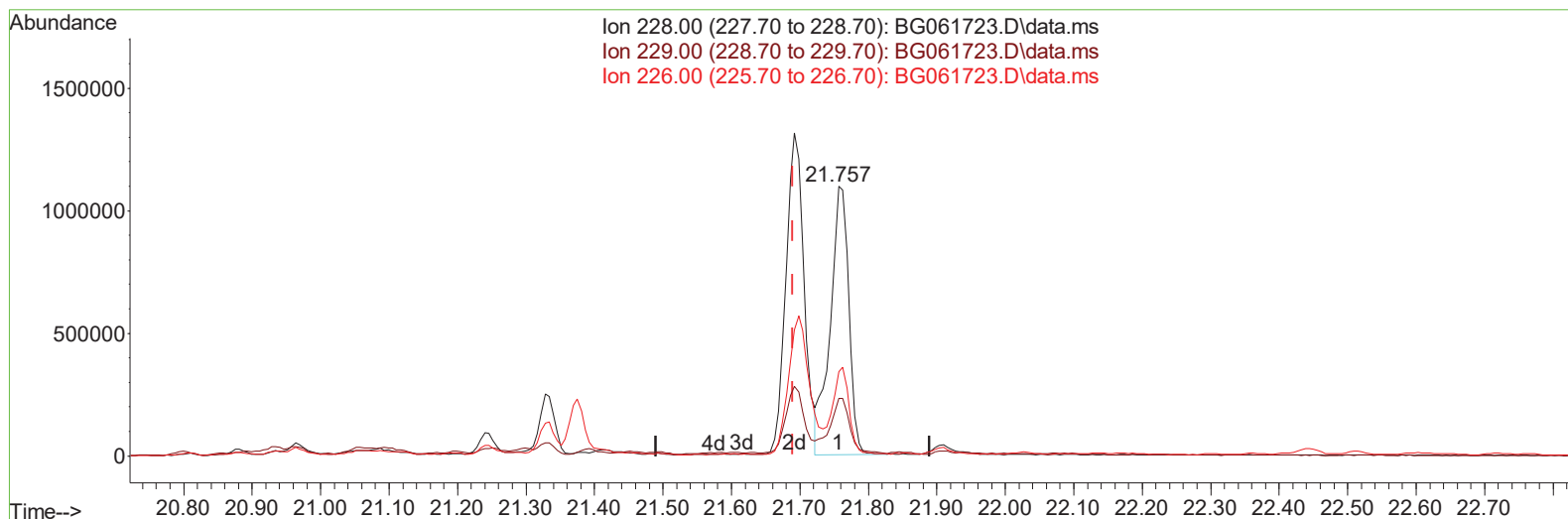
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:05:37 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(85) Benzo(a)anthracene

21.757min (+ 0.067) 61.73 ng/ul

response 2065163

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	21.34
226.00	26.80	31.34
0.00	0.00	0.00

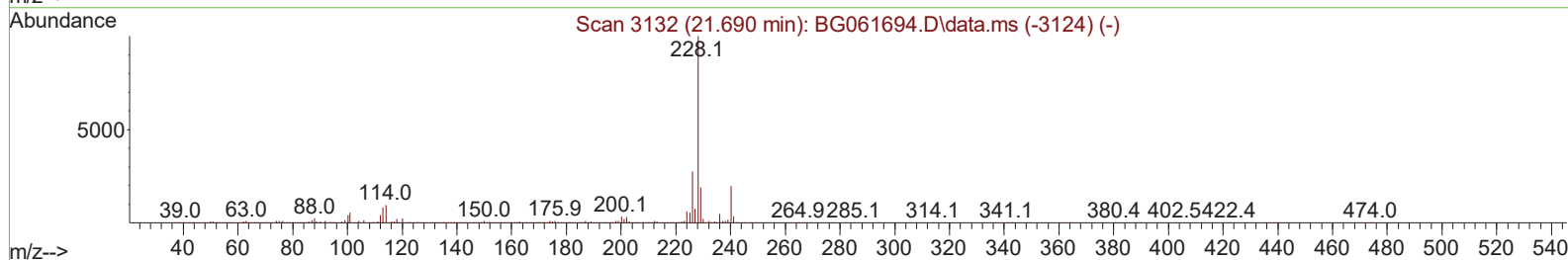
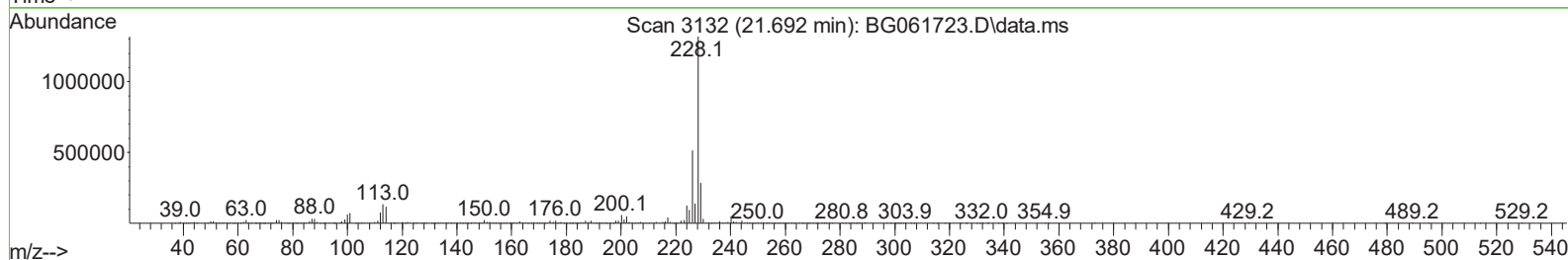
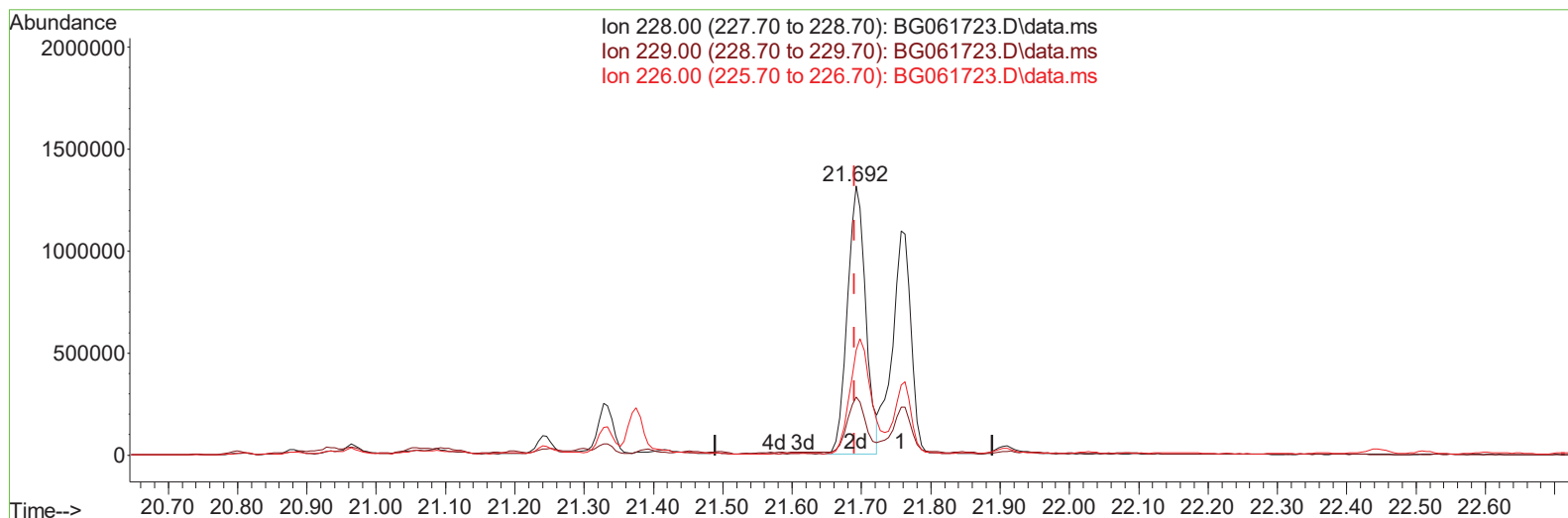
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:05:37 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(85) Benzo(a)anthracene

21.692min (+ 0.002) 72.63 ng/ul m

response 2429685

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	21.60
226.00	26.80	39.12#
0.00	0.00	0.00

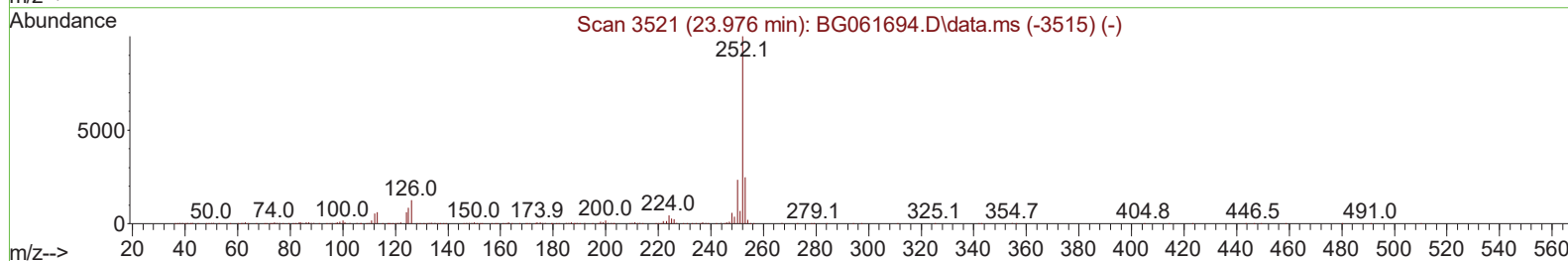
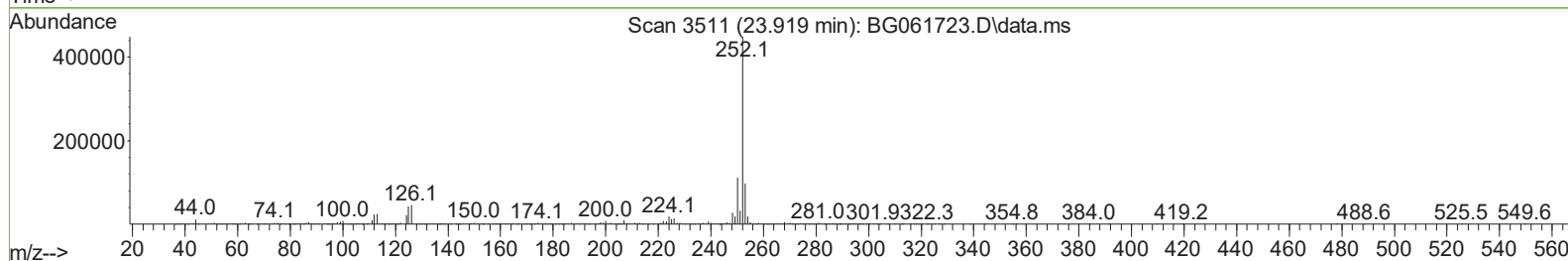
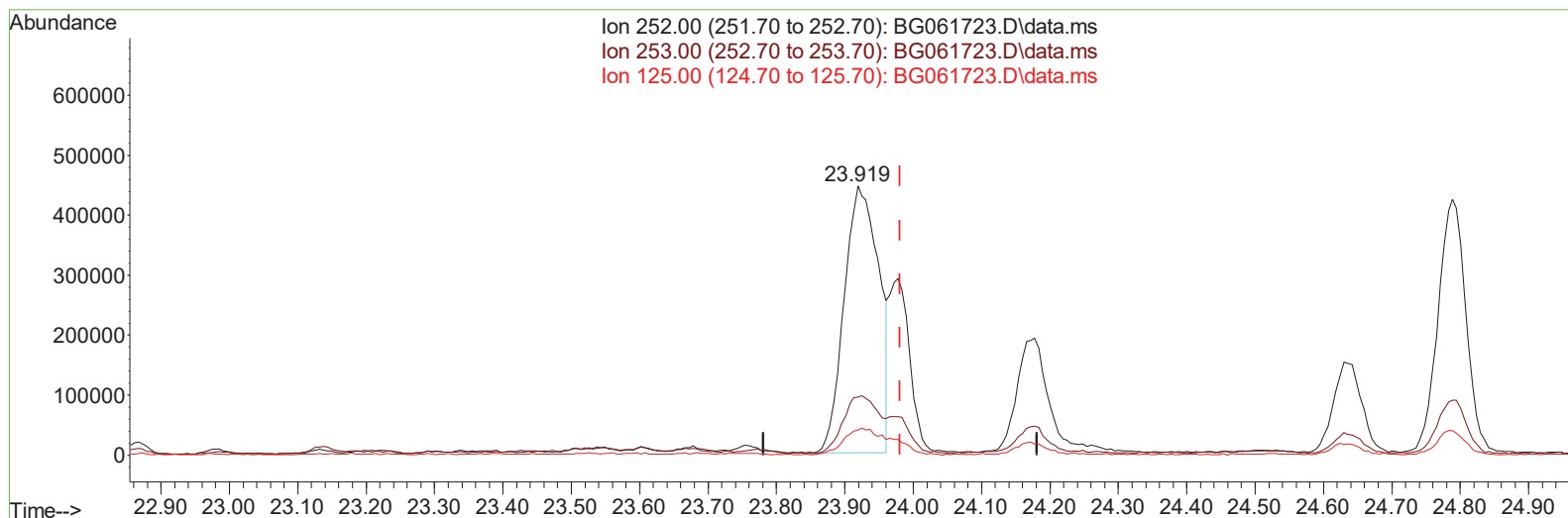
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:06:14 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(91) Benzo(k)fluoranthene

23.919min (-0.062) 41.99 ng/u1

response 1565905

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.20	21.62
125.00	7.70	9.36#
0.00	0.00	0.00

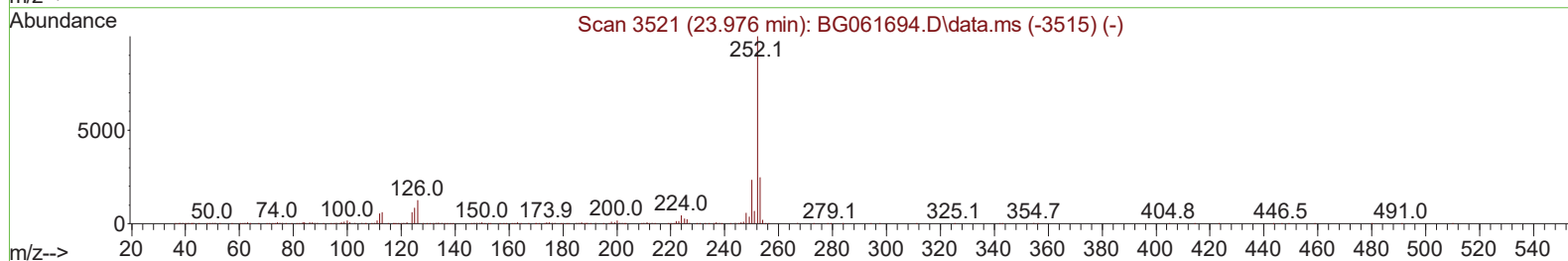
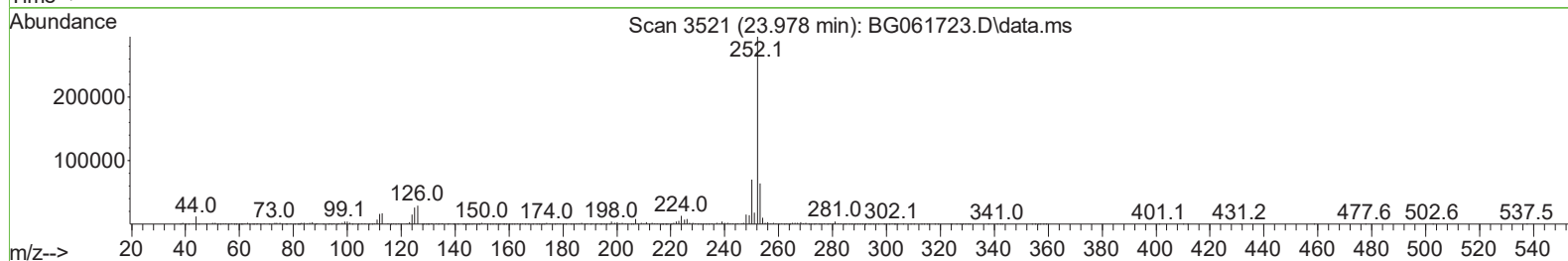
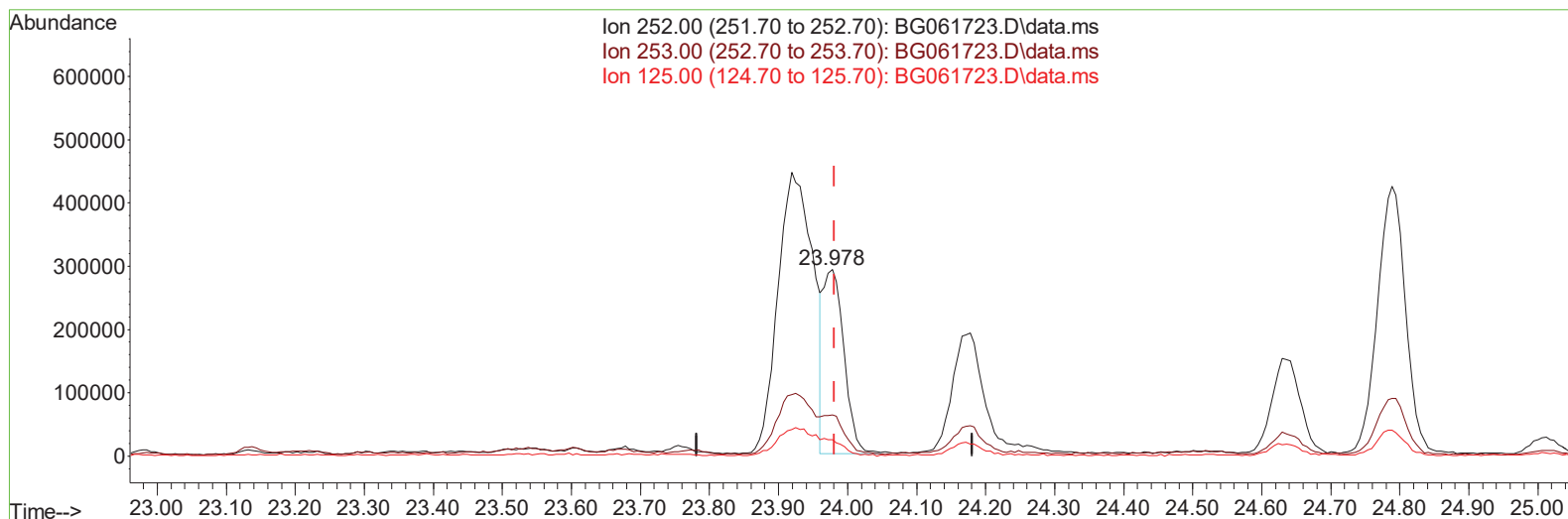
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:06:14 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(91) Benzo(k)fluoranthene

23.978min (-0.003) 16.03 ng/u1 m

response 597953

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.20	21.87
125.00	7.70	8.88
0.00	0.00	0.00

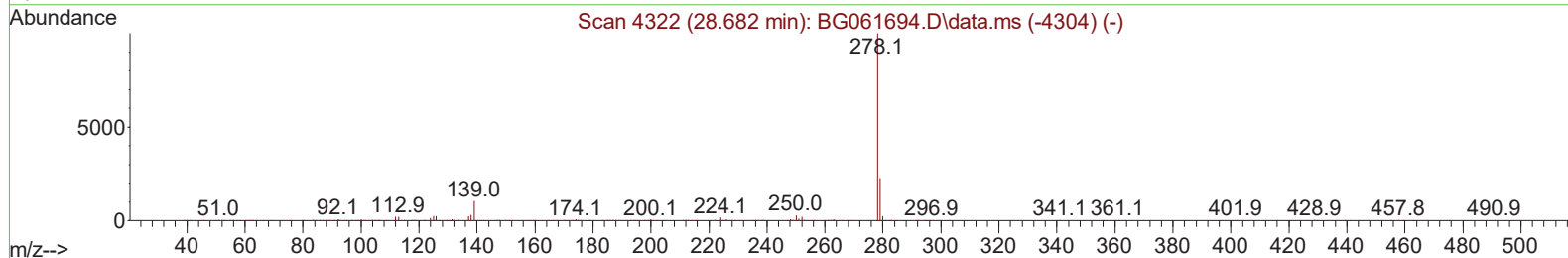
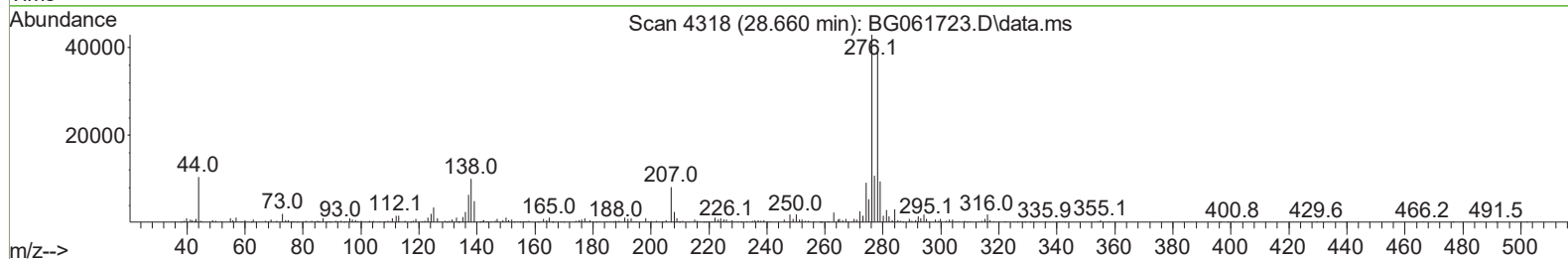
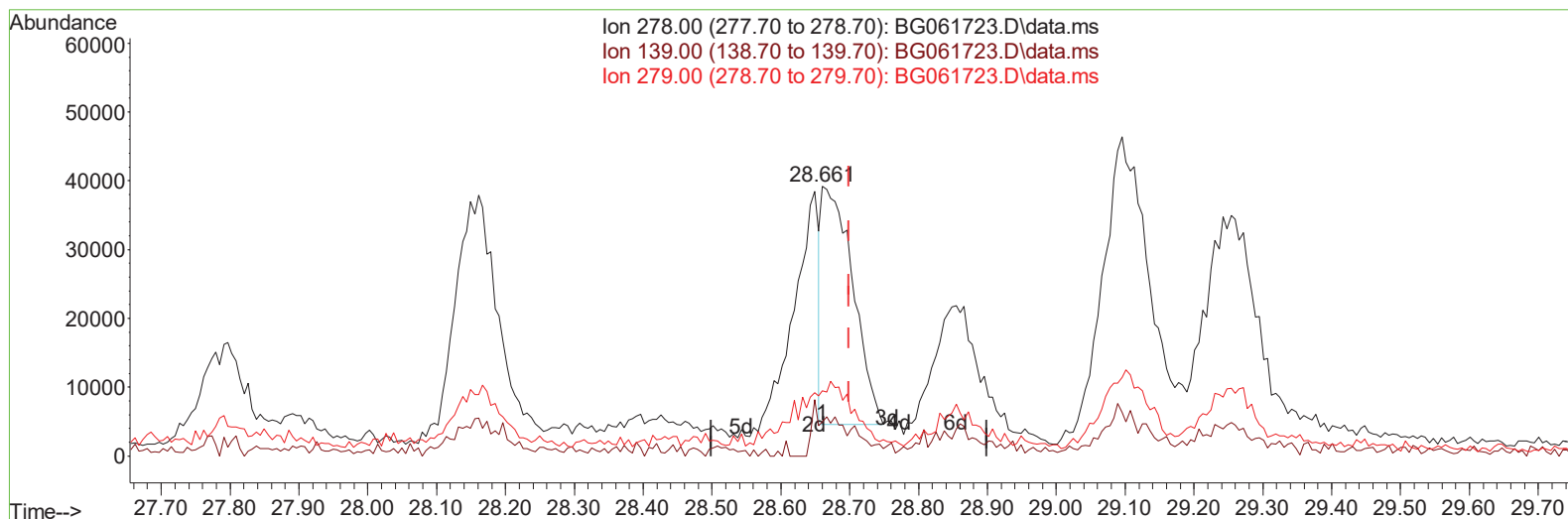
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:06:14 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(95) Dibenzo(a,h)anthracene

28.660min (-0.039) 2.99 ng/u1

response 108288

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	12.55
279.00	23.30	24.23
0.00	0.00	0.00

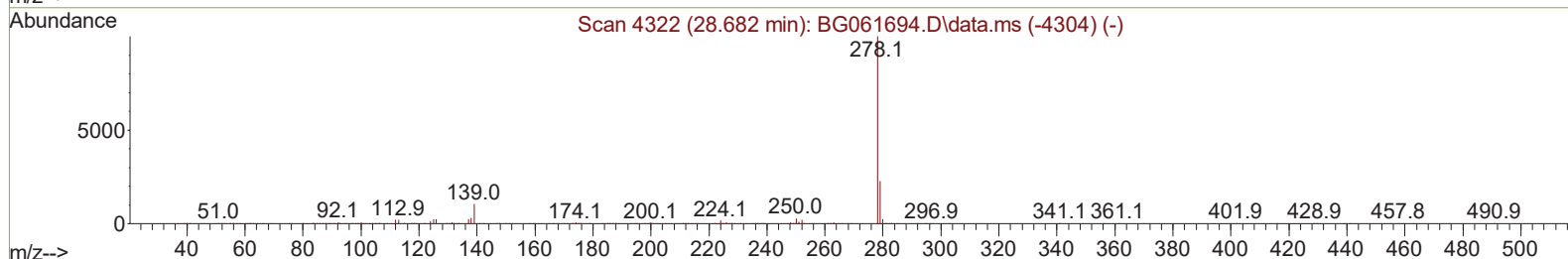
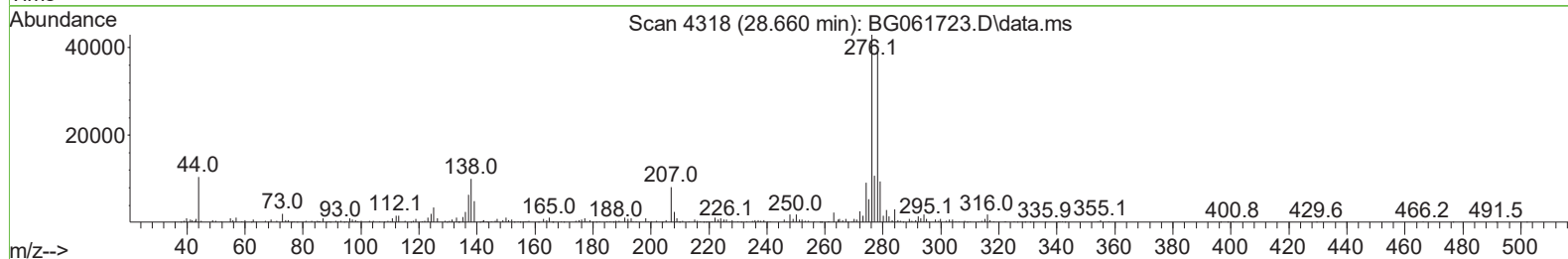
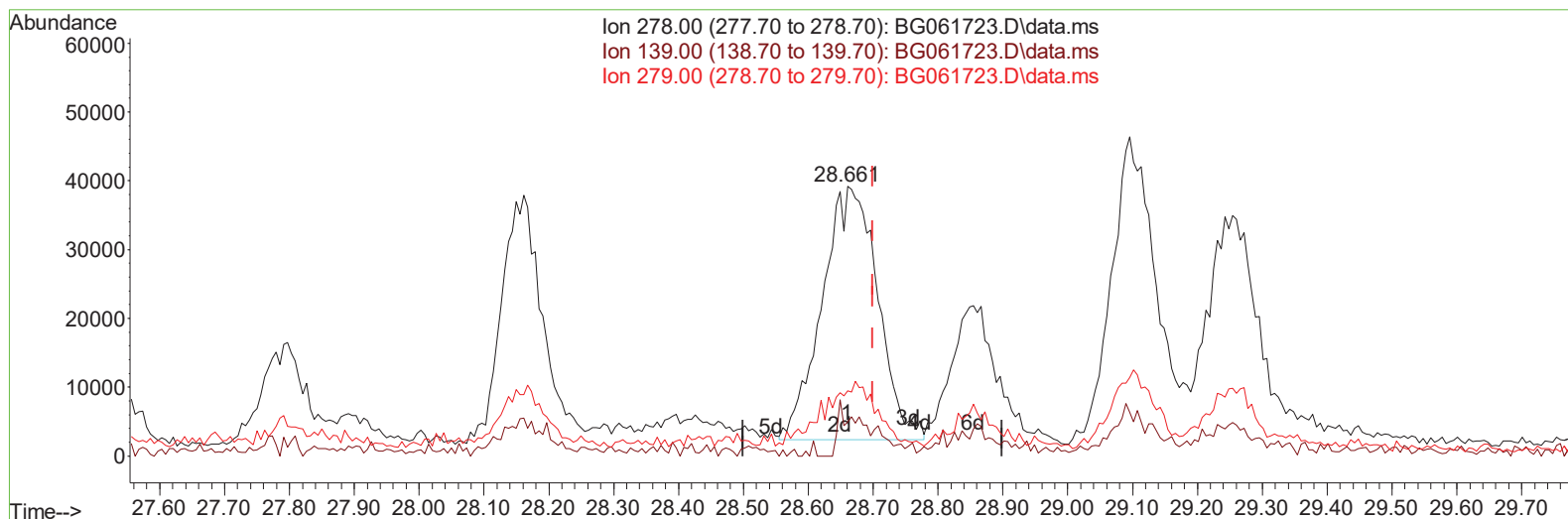
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:06:14 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

(95) Dibenzo(a,h)anthracene

28.660min (-0.039) 6.08 ng/ul m

response 219944

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	12.55
279.00	23.30	24.23
0.00	0.00	0.00

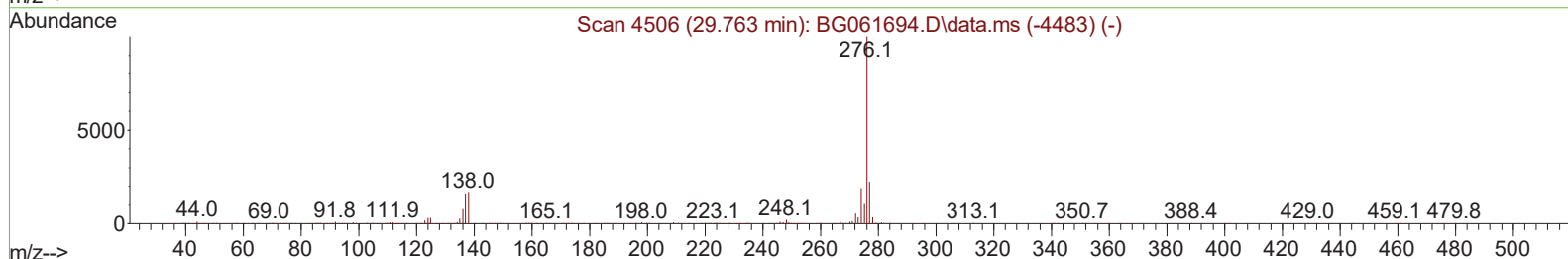
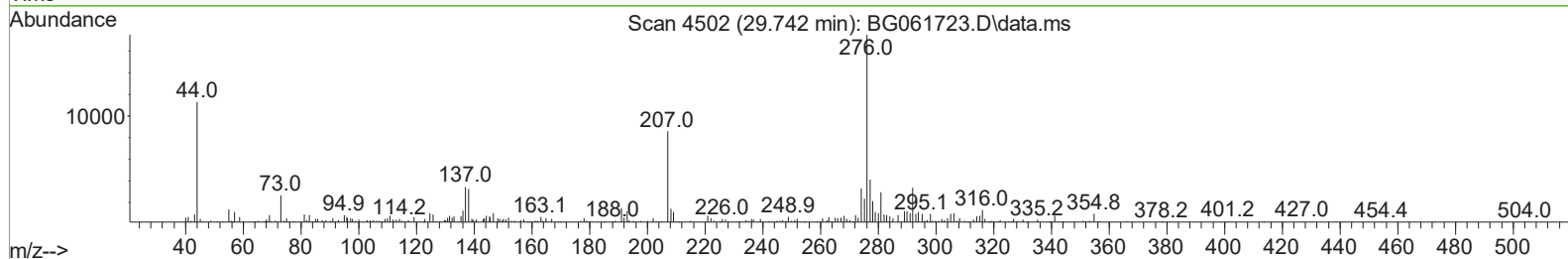
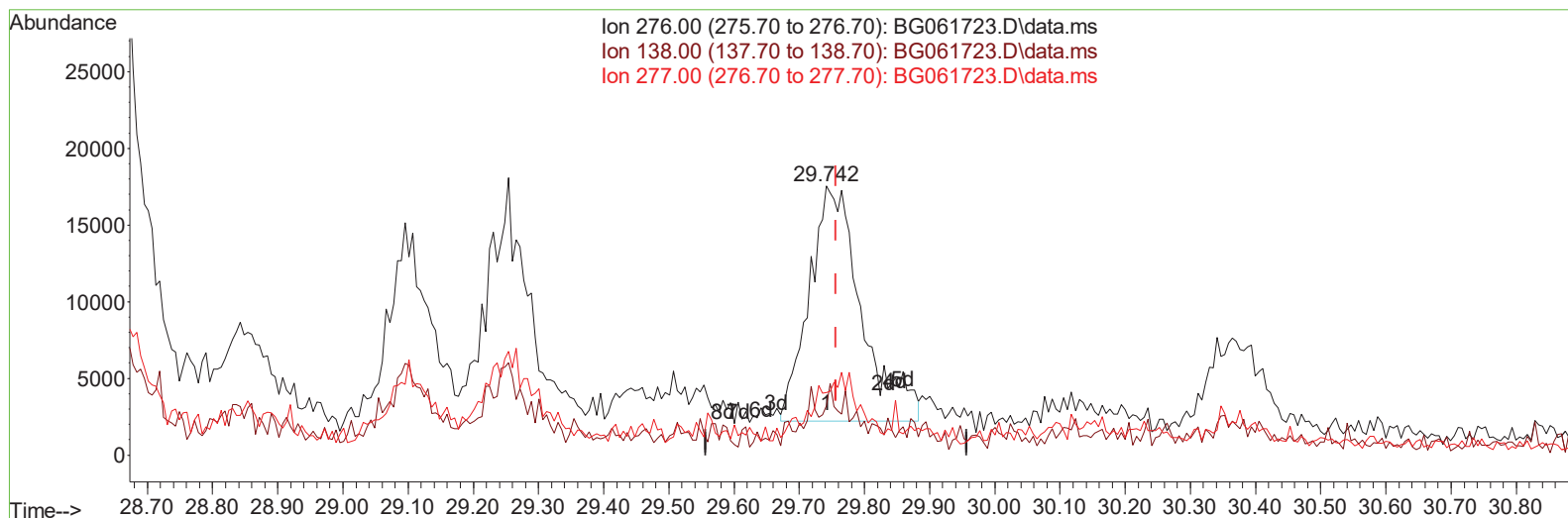
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:07:06 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BG061723.D\data.ms

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

29.742min (-0.015) 2.44 ng/ul m

response 85685

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	15.30	18.20
277.00	23.20	23.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061723.D
 Acq On : 26 Jun 2024 5:29
 Operator : MA/JU
 Sample : P2873-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:07:31 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 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	81696	20.000	ng/ul	0.00
20) Naphthalene-d8	10.893	136	390521	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.700	164	279116	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.450	188	580225	20.000	ng/ul	0.00
79) Chrysene-d12	21.716	240	476587	20.000	ng/ul	0.00
88) Perylene-d12	24.935	264	603286	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.466	96	5750	2.543	ng/uL	0.00
4) Pyridine-d5	3.901	84	7807m	1.142	ng/ul	0.01
7) Phenol-d5	7.215	99	138321	15.596	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.397	67	101343	18.330	ng/ul	0.00
11) 2-Chlorophenol-d4	7.597	132	105107	17.270	ng/ul	0.00
15) 4-Methylphenol-d8	8.760	113	73839	10.770	ng/ul	0.00
21) Nitrobenzene-d5	9.236	128	63308	23.875	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	70434	26.227	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	112049	17.620	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	95904	9.961	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	459796	21.407	ng/ul	0.00
49) Acenaphthylene-d8	14.401	160	488440	20.750	ng/ul	0.00
54) 4-Nitrophenol-d4	14.871	143	46384	12.574	ng/ul	0.00
60) Fluorene-d10	15.693	176	398142	21.174	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.811	200	39901	16.082	ng/ul	0.01
73) Anthracene-d10	17.550	188	660753	24.948	ng/ul	0.00
81) Pyrene-d10	19.830	212	637534	23.948	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.718	264	517448	17.958	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.975	128	11201376	512.626	ng/ul#	57
36) 2-Methylnaphthalene	12.556	142	4940001	320.399	ng/ul	98
37) 1-Methylnaphthalene	12.767	142	3291761	200.092	ng/ul#	91
43) 1,1'-Biphenyl	13.537	154	921808	45.592	ng/ul	99
50) Acenaphthylene	14.436	152	3902093	148.504	ng/ul#	89
52) Acenaphthene	14.765	153	338574	18.606	ng/ul	94
56) Dibenzofuran	15.100	168	295479	11.604	ng/ul	90
61) Fluorene	15.752	166	2219998	105.342	ng/ul	94
72) Phenanthrene	17.503	178	7003920m	229.446	ng/ul	
74) Anthracene	17.585	178	2844313	91.119	ng/ul	94
77) Carbazole	17.844	167	80859	3.051	ng/ul#	86
80) Fluoranthene	19.501	202	3811070	123.382	ng/ul	98
82) Pyrene	19.865	202	4456144	135.678	ng/ul	99
85) Benzo(a)anthracene	21.692	228	2429685m	72.628	ng/ul	
87) Chrysene	21.757	228	2058304	65.023	ng/ul	98
90) Benzo(b)fluoranthene	23.919	252	1565905	43.179	ng/ul	97
91) Benzo(k)fluoranthene	23.978	252	597953m	16.032	ng/ul	
93) Benzo(a)pyrene	24.789	252	1201606	34.417	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.608	276	555658	12.772	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.660	278	219944m	6.080	ng/ul	
96) Benzo(g,h,i)perylene	29.742	276	85685m	2.443	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

C0SJ9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual IntegrationsAPPROVED

Quant Time: Jun 26 06:07:31 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 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

