

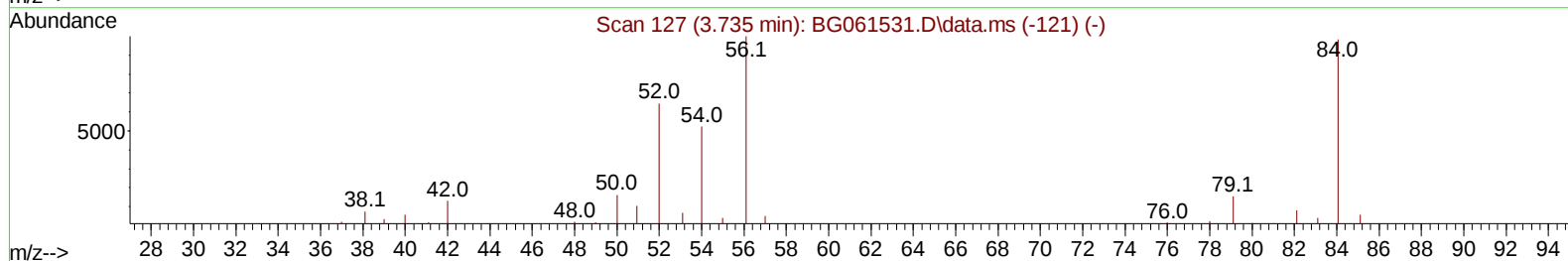
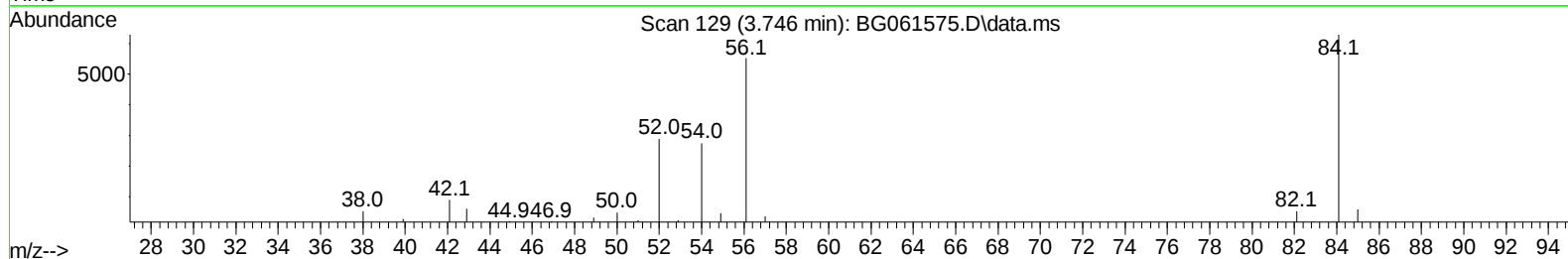
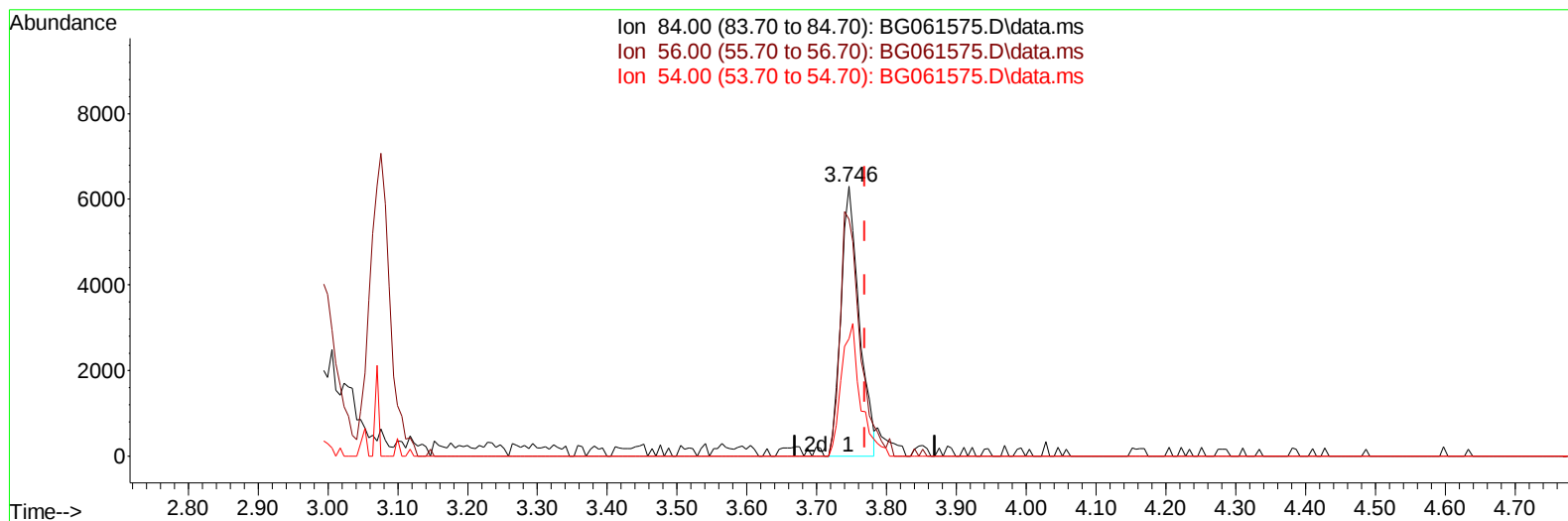
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(4) Pyridine-d5 (S)

3.746min (-0.023) 6.10 ng/u1

response 11384

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	106.50	87.81
54.00	57.50	43.55#
0.00	0.00	0.00

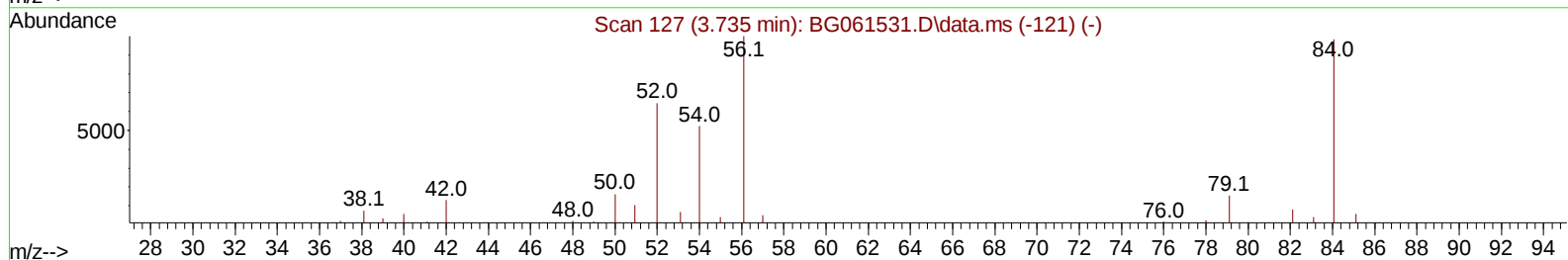
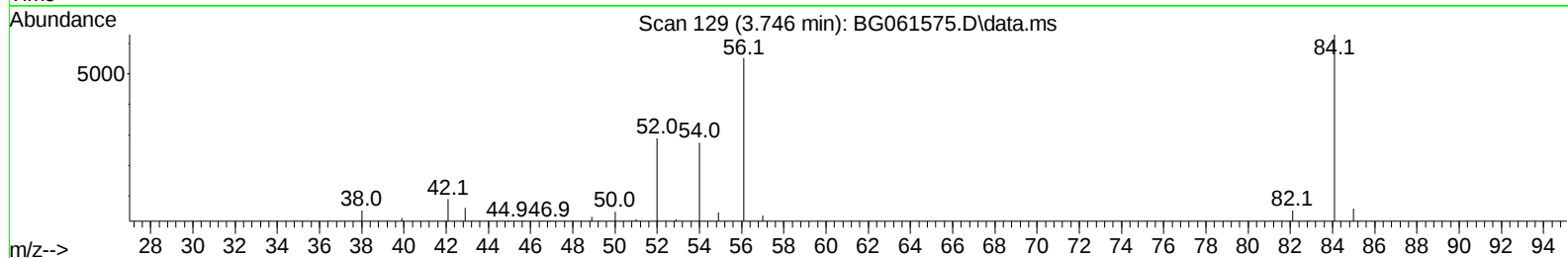
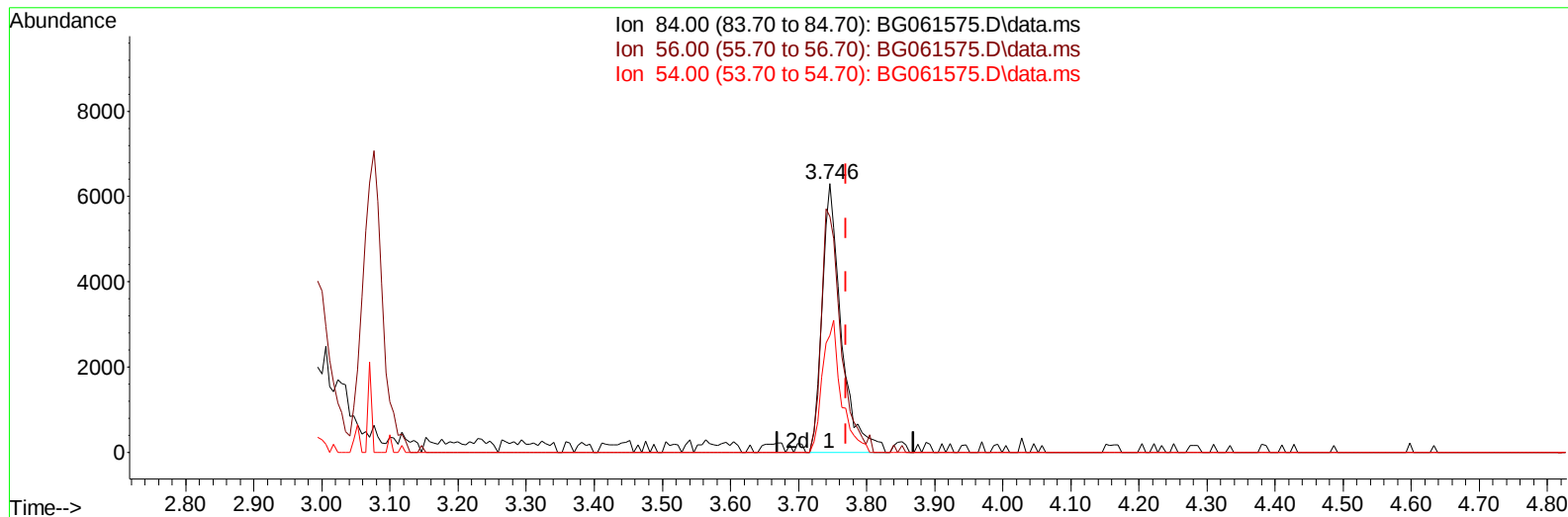
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(4) Pyridine-d5 (S)

3.746min (-0.023) 6.59 ng/ul m

response 12296

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	106.50	87.81
54.00	57.50	43.55#
0.00	0.00	0.00

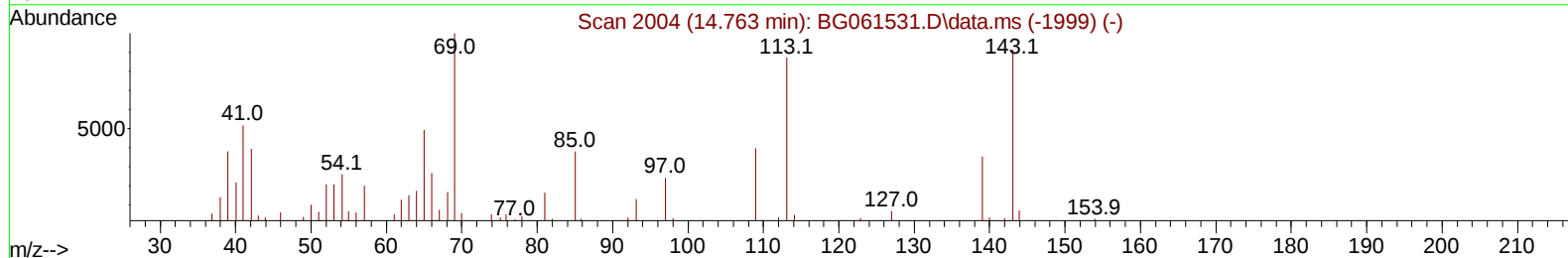
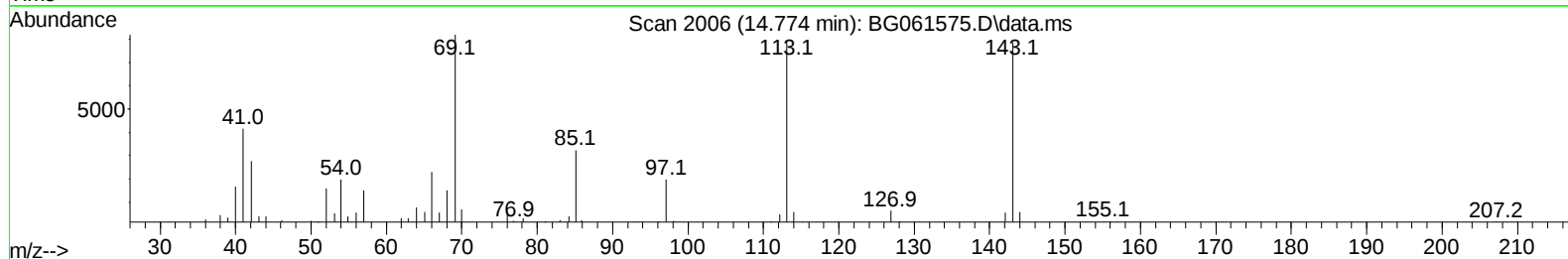
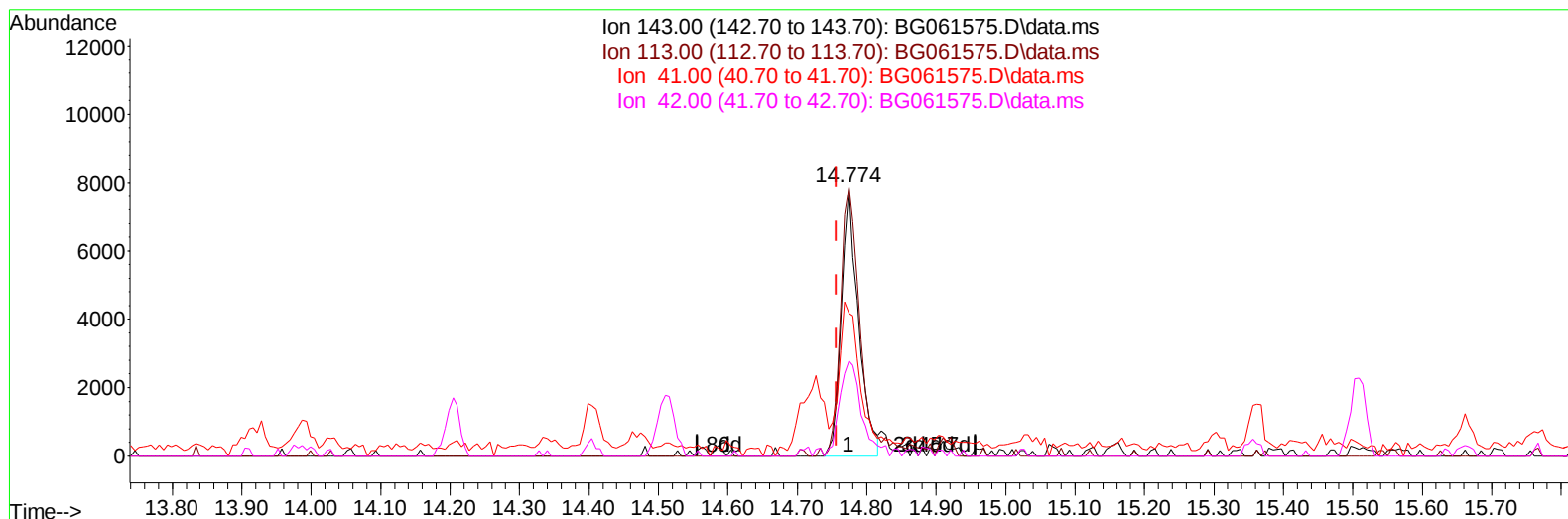
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.774min (+ 0.018) 17.07 ng/u1

response 13431

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	100.15
41.00	77.10	52.93#
42.00	49.50	35.27#

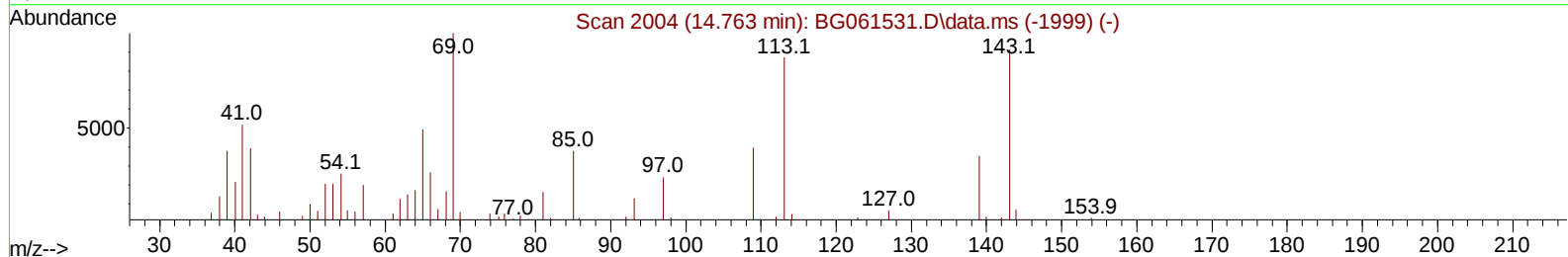
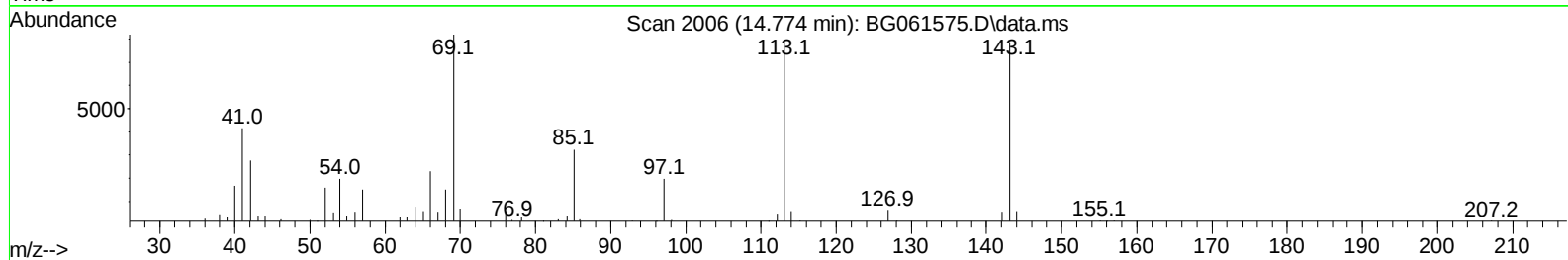
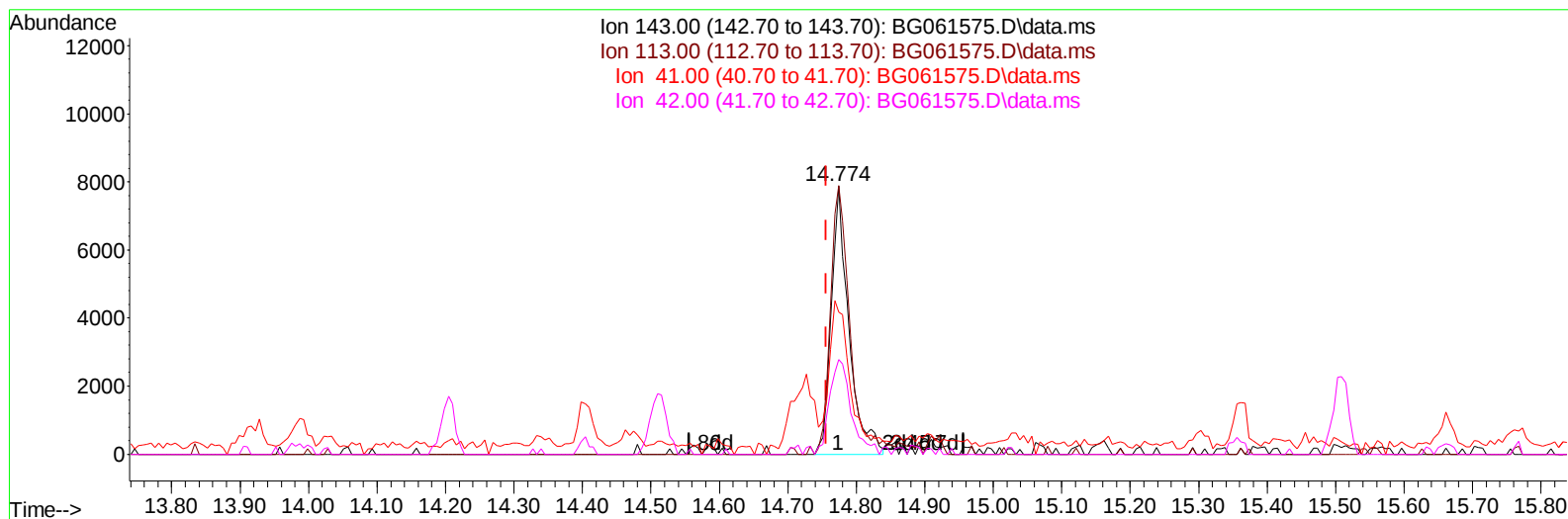
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.774min (+ 0.018) 17.87 ng/ul m

response 14055

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	100.15
41.00	77.10	52.93#
42.00	49.50	35.27#

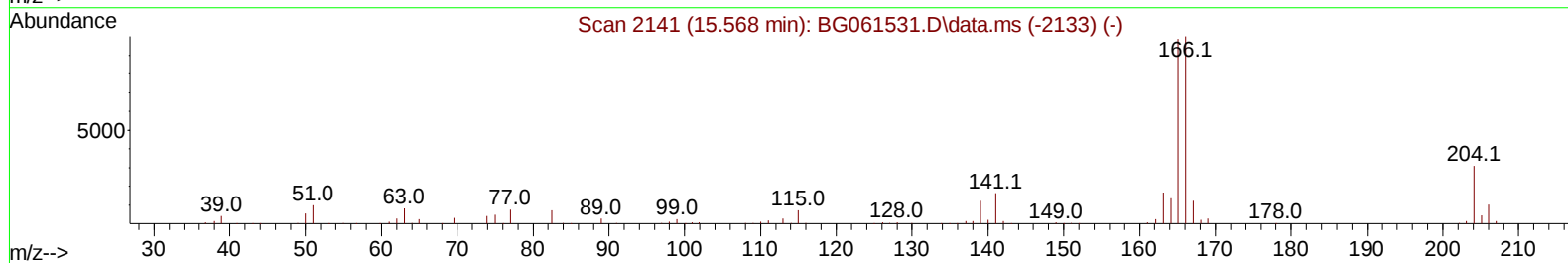
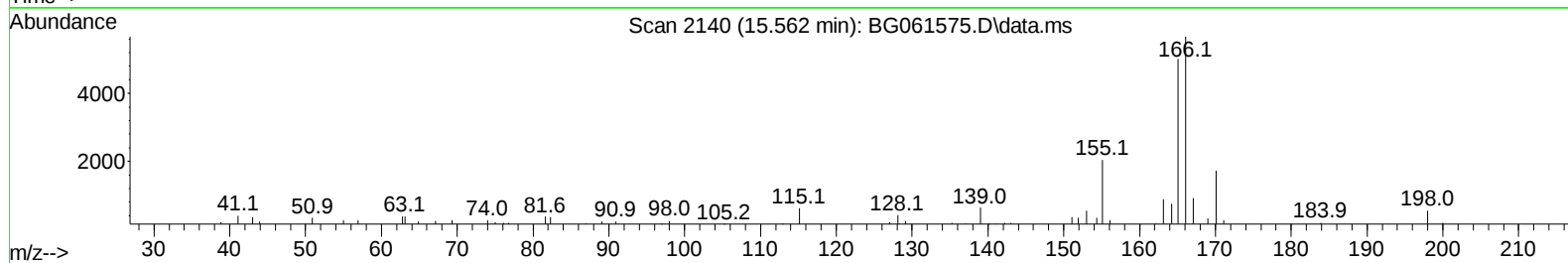
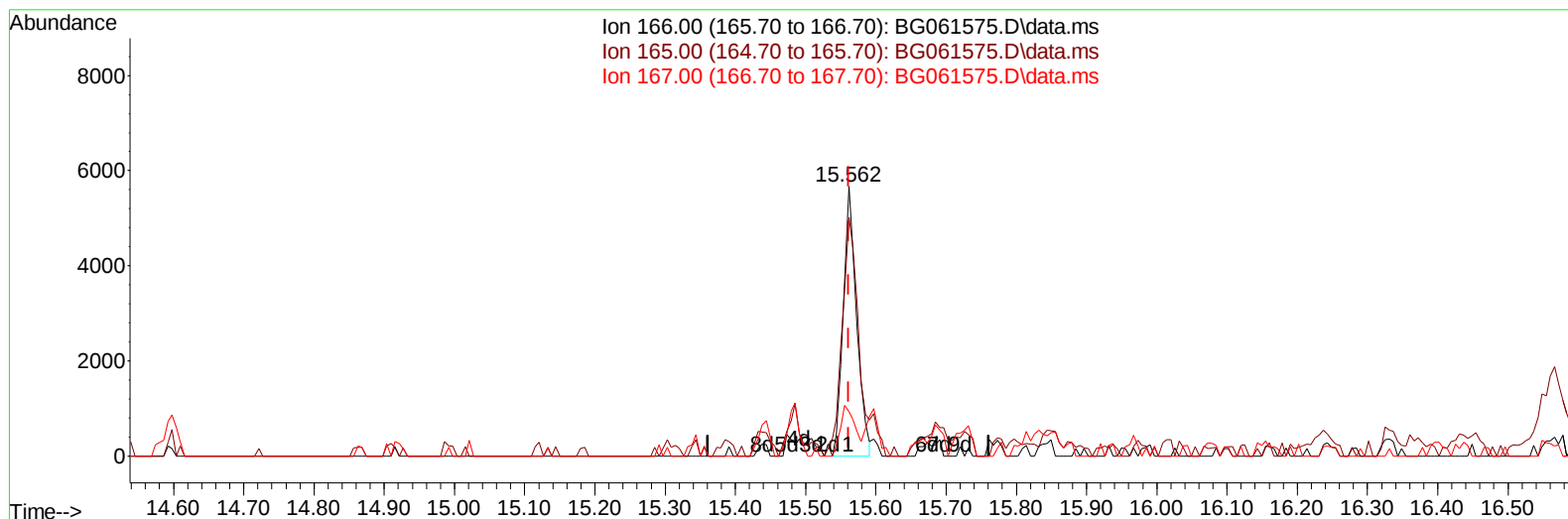
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(61) Fluorene

15.562min (+ 0.000) 1.26 ng/u1

response 7489

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	102.30	88.55
167.00	13.30	16.32#
0.00	0.00	0.00

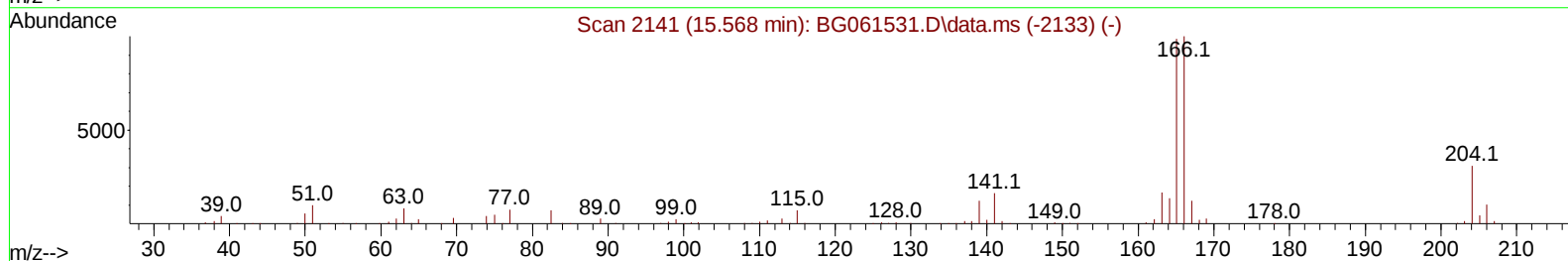
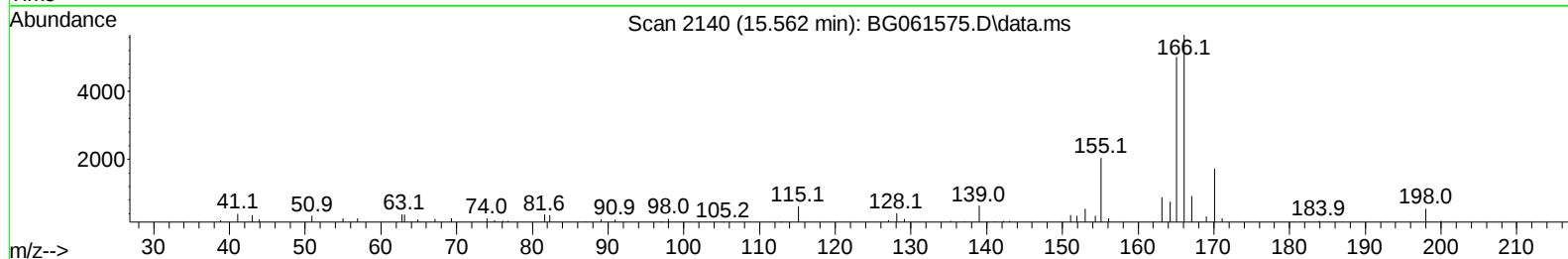
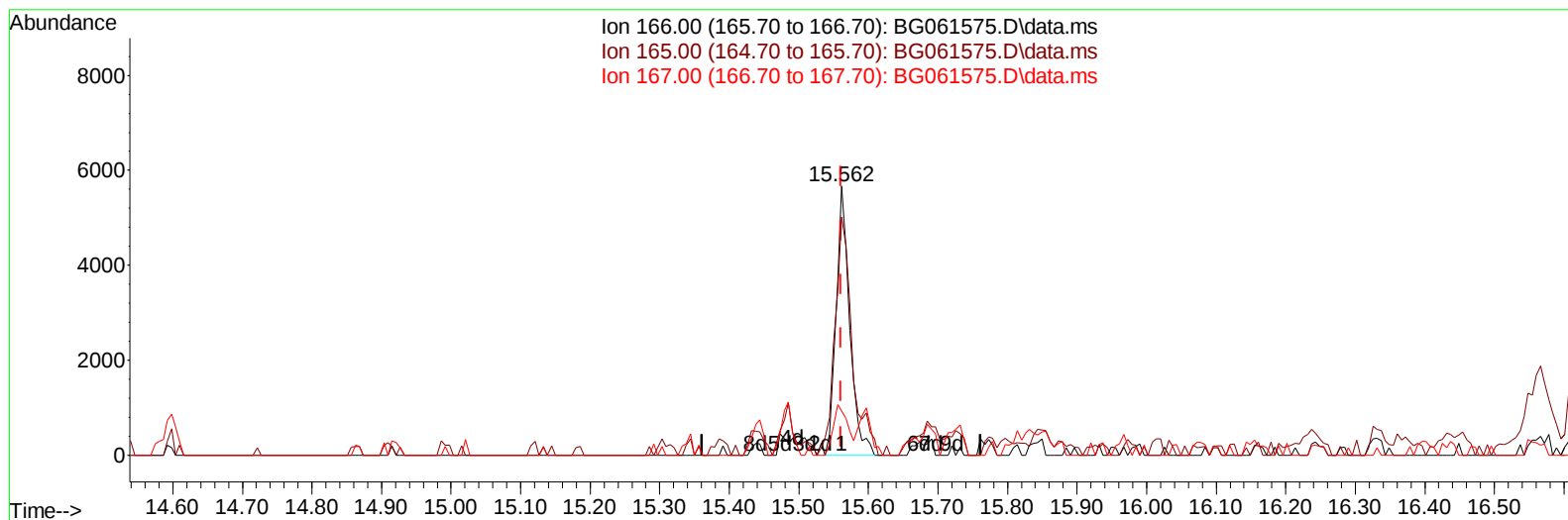
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:44 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: BG061575.D\data.ms

(61) Fluorene

15.562min (+ 0.000) 1.29 ng/ul m

response 7700

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	102.30	88.55
167.00	13.30	16.32#
0.00	0.00	0.00

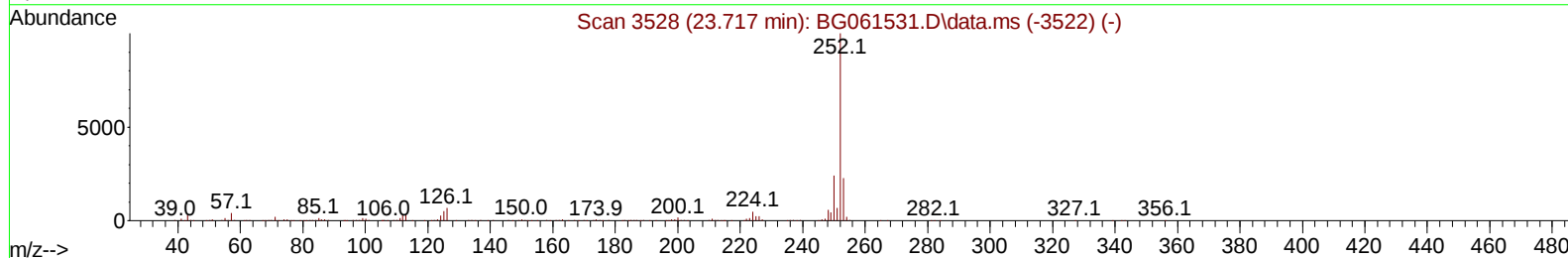
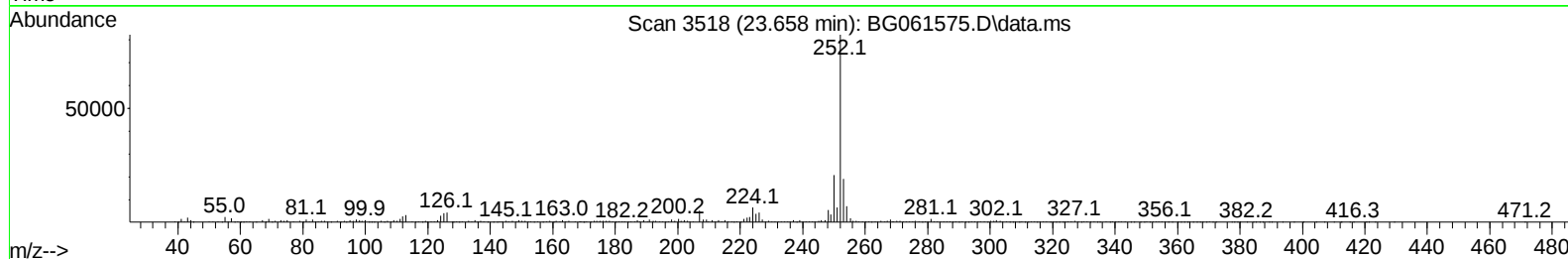
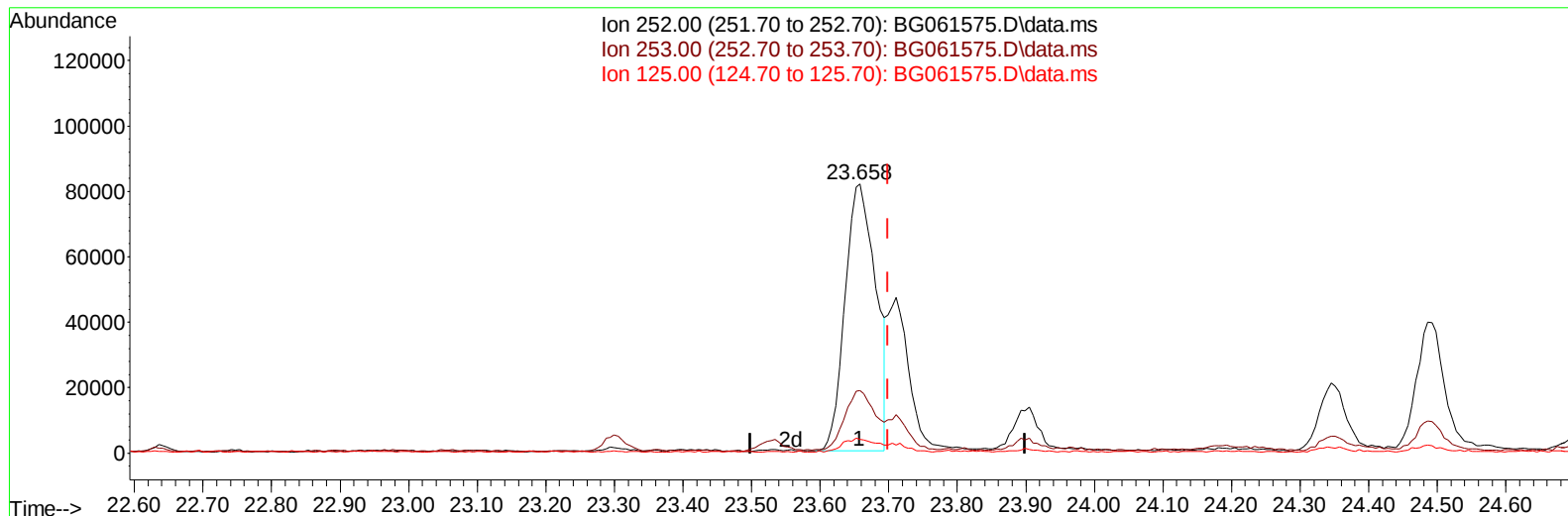
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:41:03 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: BG061575.D\data.ms

(91) Benzo(k)fluoranthene

23.658min (-0.041) 18.37 ng/u1

response 253107

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	23.16
125.00	5.40	5.05
0.00	0.00	0.00

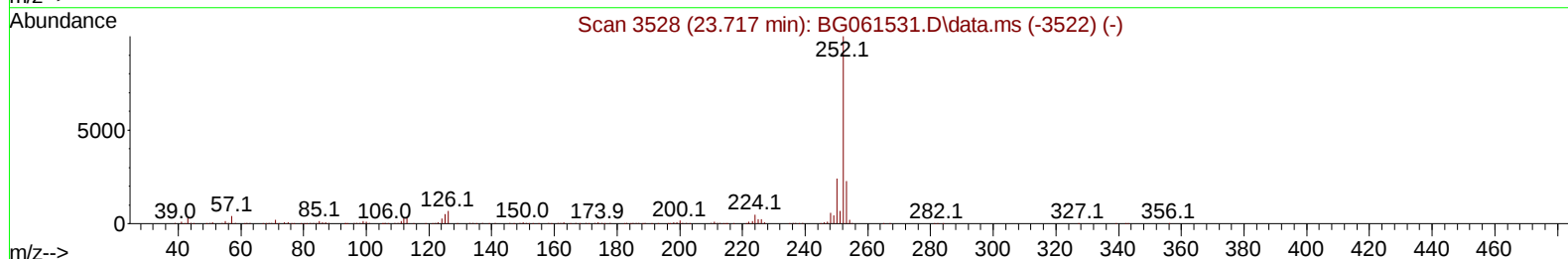
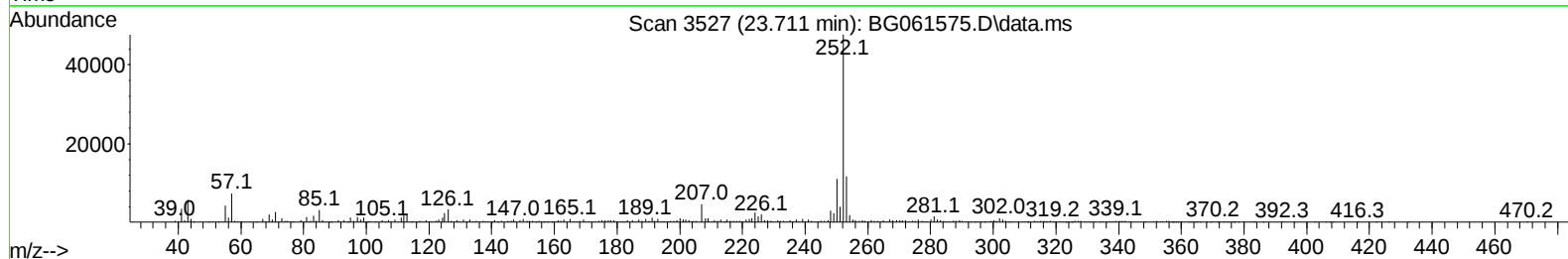
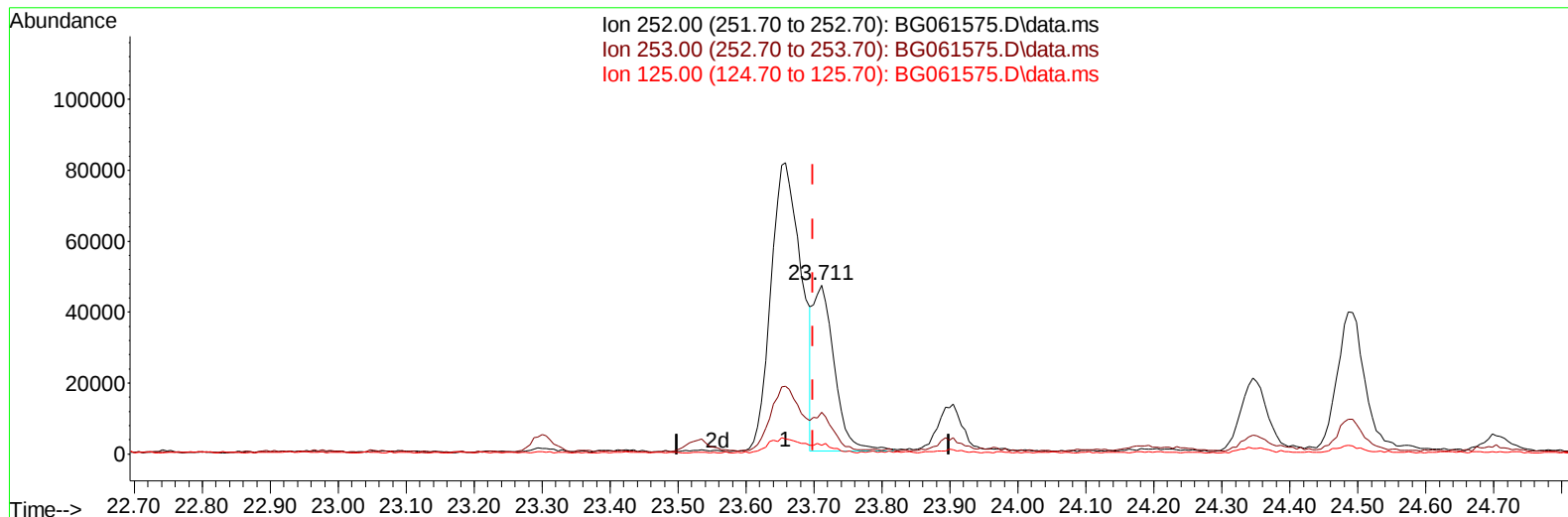
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:41:03 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: BG061575.D\data.ms

(91) Benzo(k)fluoranthene

23.711min (+ 0.012) 7.38 ng/u1 m

response 101677

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.00	24.59#
125.00	5.40	5.20
0.00	0.00	0.00

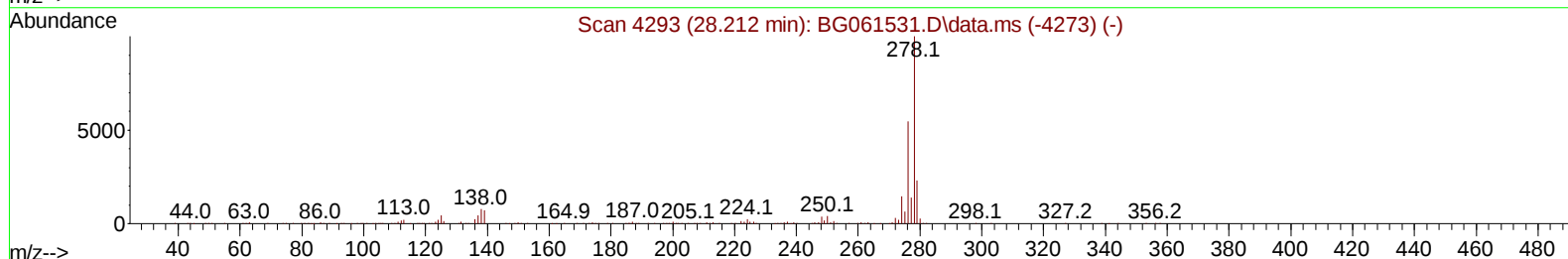
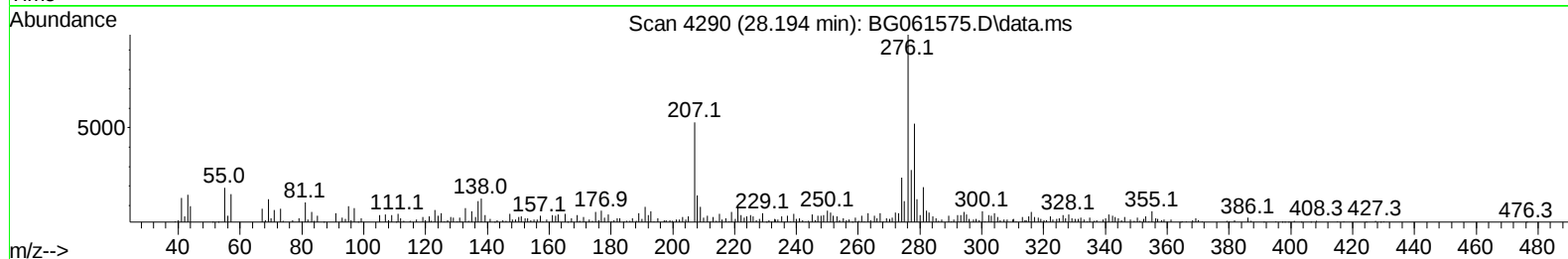
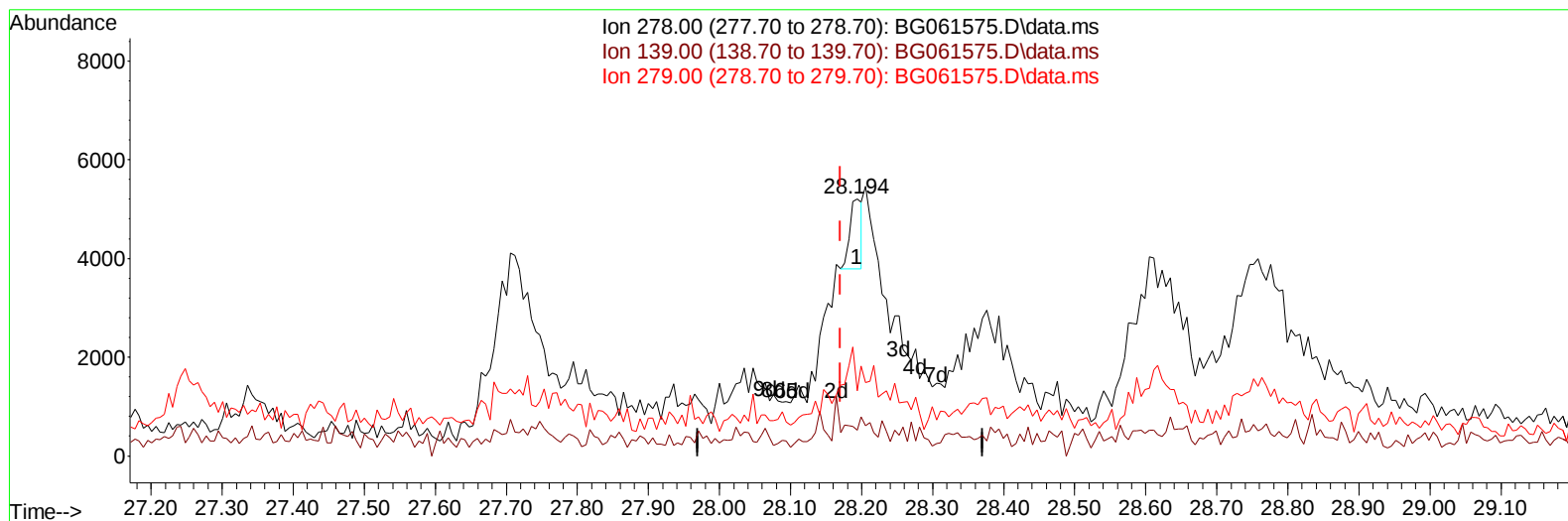
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:42:24 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: BG061575.D\data.ms

(95) Dibenzo(a,h)anthracene

28.194min (+ 0.024) 0.13 ng/u1

response 1704

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	10.04#
279.00	24.90	25.31
0.00	0.00	0.00

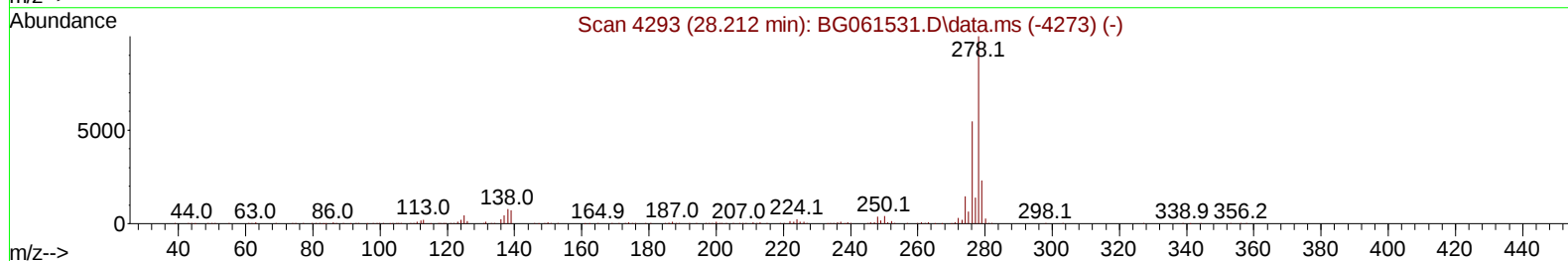
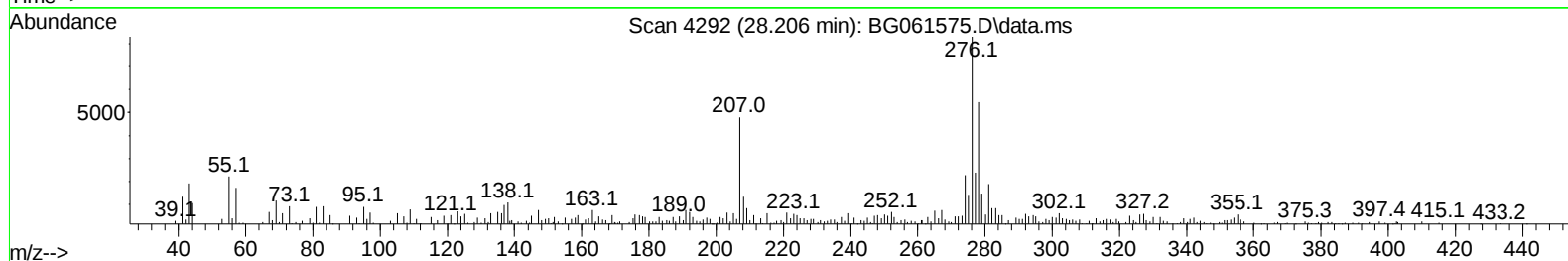
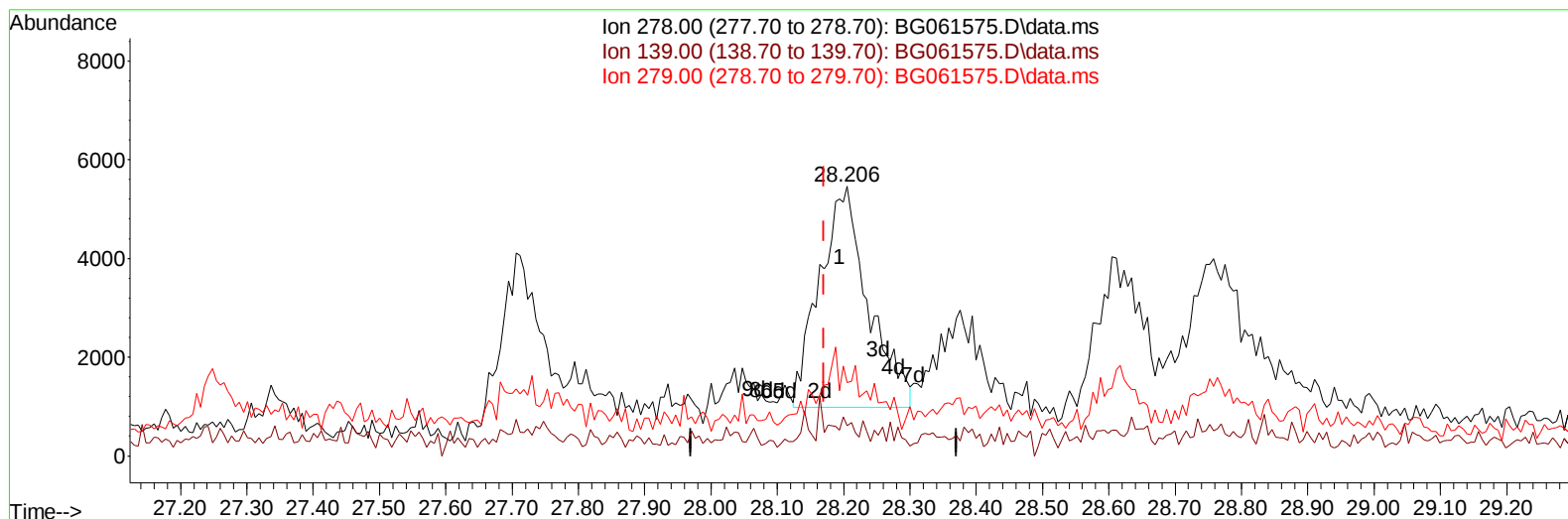
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:42:24 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: BG061575.D\data.ms

(95) Dibenzo(a,h)anthracene

28.206min (+ 0.035) 1.76 ng/u1 m

response 22631

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	6.01#
279.00	24.90	27.23
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061575.D
 Acq On : 8 Jun 2024 21:41
 Operator : MA/JU
 Sample : P2647-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:43:06 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
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	29358	20.000	ng/ul	0.00
20) Naphthalene-d8	10.667	136	110387	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.516	164	82043	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.265	188	190221	20.000	ng/ul	0.00
79) Chrysene-d12	21.525	240	204559	20.000	ng/ul	0.00
88) Perylene-d12	24.633	264	227988	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1511	2.880	ng/uL	-0.03
4) Pyridine-d5	3.746	84	12296m	6.588	ng/ul	-0.02
7) Phenol-d5	7.071	99	47626	19.754	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	27162	17.925	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.418	132	39627	22.209	ng/ul	0.00
15) 4-Methylphenol-d8	8.605	113	34211	16.642	ng/ul	0.00
21) Nitrobenzene-d5	9.034	128	20241	23.816	ng/ul	0.00
24) 2-Nitrophenol-d4	9.757	143	23882	24.010	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	48773	25.152	ng/ul	0.00
31) 4-Chloroaniline-d4	10.808	131	22084	8.705	ng/ul	0.00
46) Dimethylphthalate-d6	13.916	166	145438	22.857	ng/ul	0.00
49) Acenaphthylene-d8	14.204	160	156978	23.730	ng/ul	0.00
54) 4-Nitrophenol-d4	14.774	143	14055m	17.866	ng/ul	0.02
60) Fluorene-d10	15.509	176	127412	23.193	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	13251	11.518	ng/ul	0.01
73) Anthracene-d10	17.365	188	210893	25.147	ng/ul	0.00
81) Pyrene-d10	19.663	212	231217	22.014	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.422	264	199709	18.220	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.720	128	8812	1.512	ng/ul	98
36) 2-Methylnaphthalene	12.330	142	7249	1.716	ng/ul	89
37) 1-Methylnaphthalene	12.547	142	7080	1.633	ng/ul	96
52) Acenaphthene	14.574	153	6032	1.254	ng/ul	89
56) Dibenzofuran	14.909	168	8173	1.188	ng/ul	94
61) Fluorene	15.562	166	7700m	1.293	ng/ul	
72) Phenanthrene	17.307	178	190092	20.589	ng/ul	99
74) Anthracene	17.401	178	27808	2.913	ng/ul	96
77) Carbazole	17.671	167	13946	1.796	ng/ul	96
80) Fluoranthene	19.328	202	360635	28.622	ng/ul	99
82) Pyrene	19.692	202	293883	22.470	ng/ul	98
85) Benzo(a)anthracene	21.507	228	201062	14.245	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	23058	3.467	ng/ul#	98
87) Chrysene	21.572	228	216000	16.620	ng/ul	95
90) Benzo(b)fluoranthene	23.658	252	253107	18.646	ng/ul	98
91) Benzo(k)fluoranthene	23.711	252	101677m	7.378	ng/ul	
93) Benzo(a)pyrene	24.486	252	108349	8.406	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	28.164	276	68948m	4.423	ng/ul	
95) Dibenzo(a,h)anthracene	28.206	278	22631m	1.761	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061575.D
Acq On : 8 Jun 2024 21:41
Operator : MA/JU
Sample : P2647-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBS8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:43:06 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

