

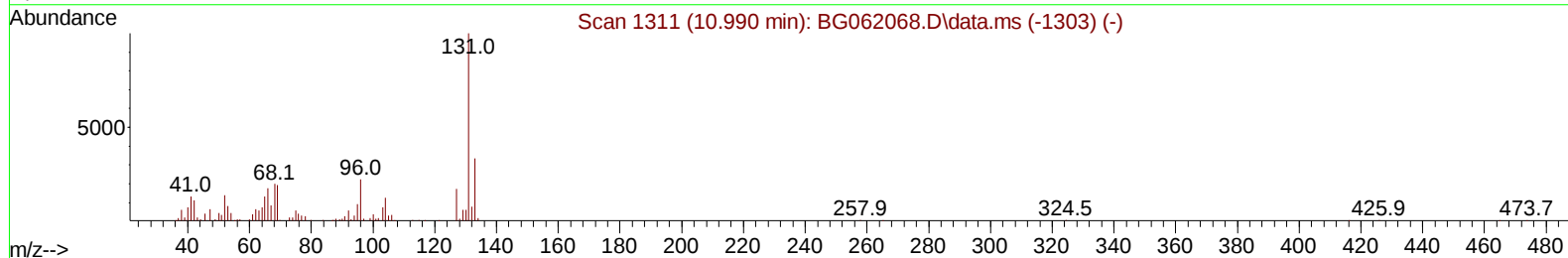
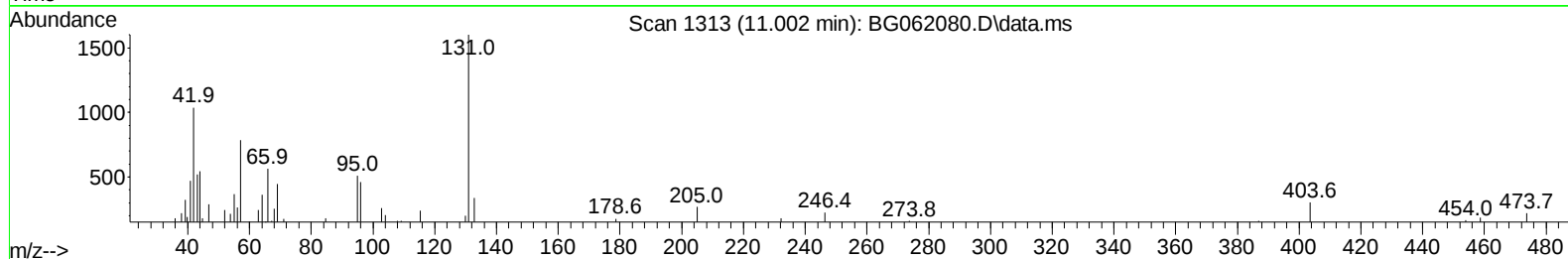
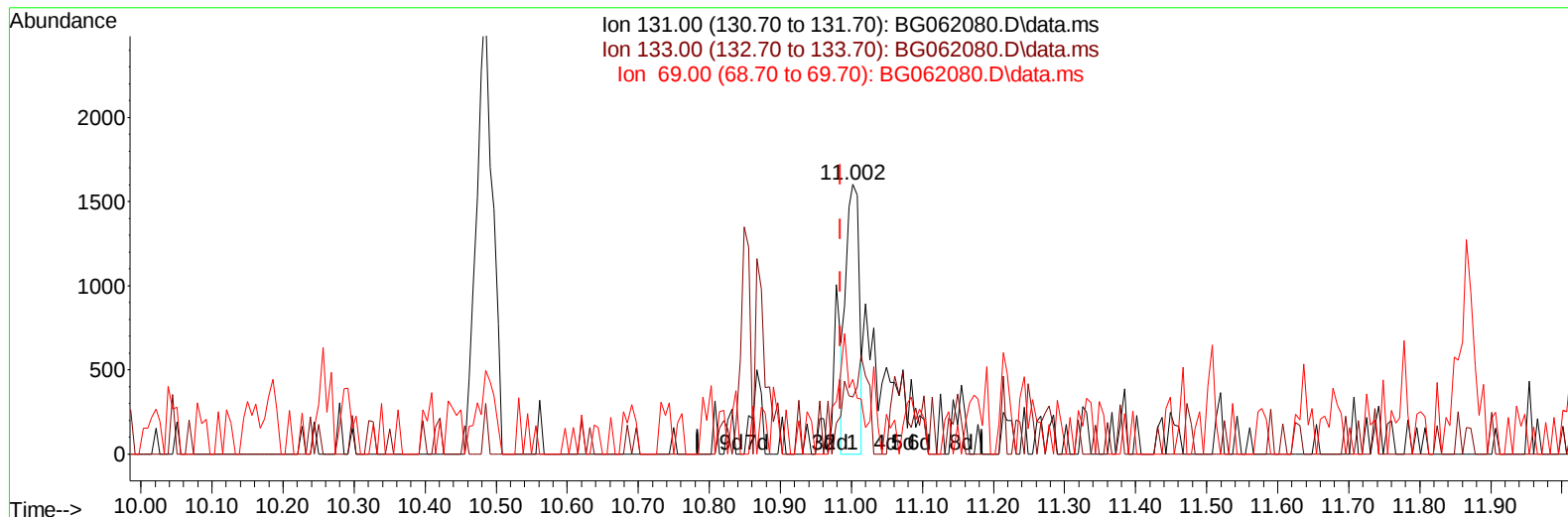
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:06:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.002min (+ 0.018) 0.35 ng/u1

response 2128

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	21.11#
69.00	21.00	27.80#
0.00	0.00	0.00

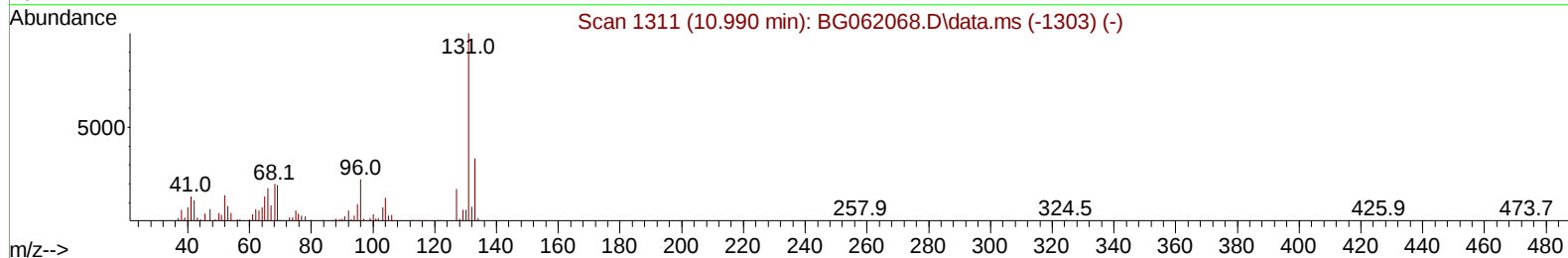
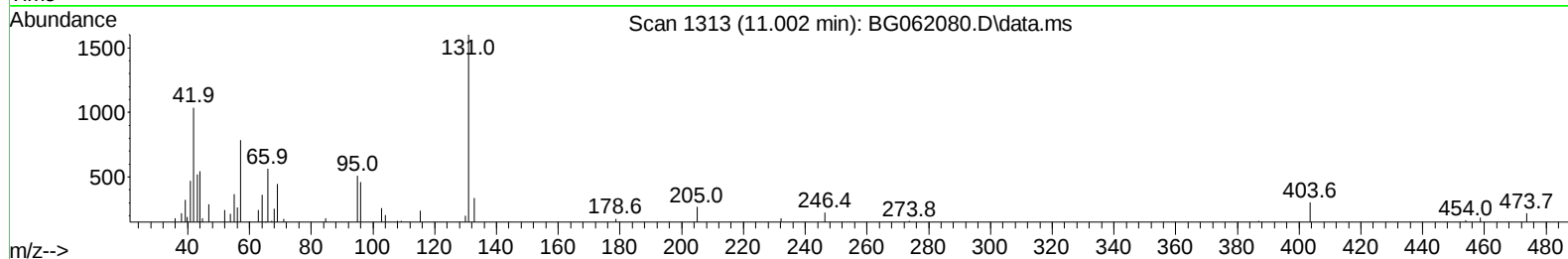
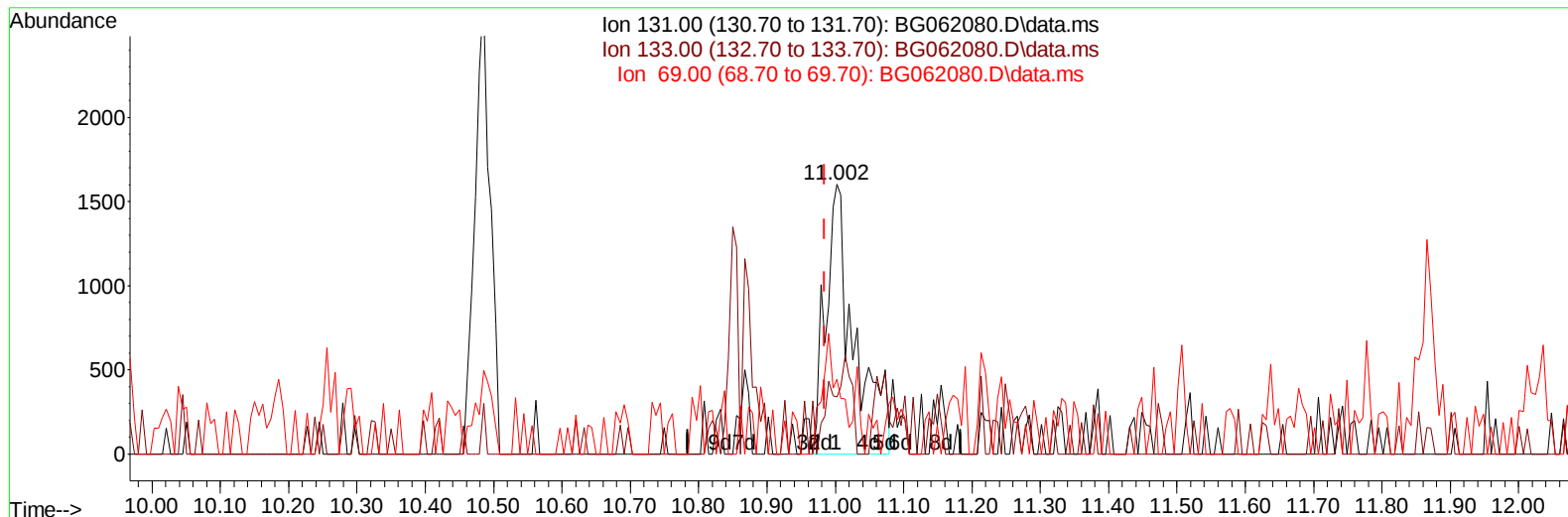
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:06:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.002min (+ 0.018) 0.77 ng/ul m

response 4627

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	21.11#
69.00	21.00	27.80#
0.00	0.00	0.00

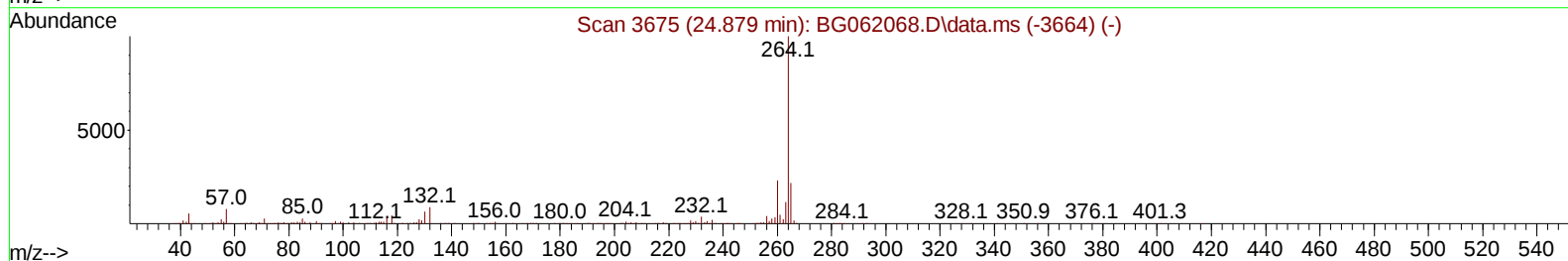
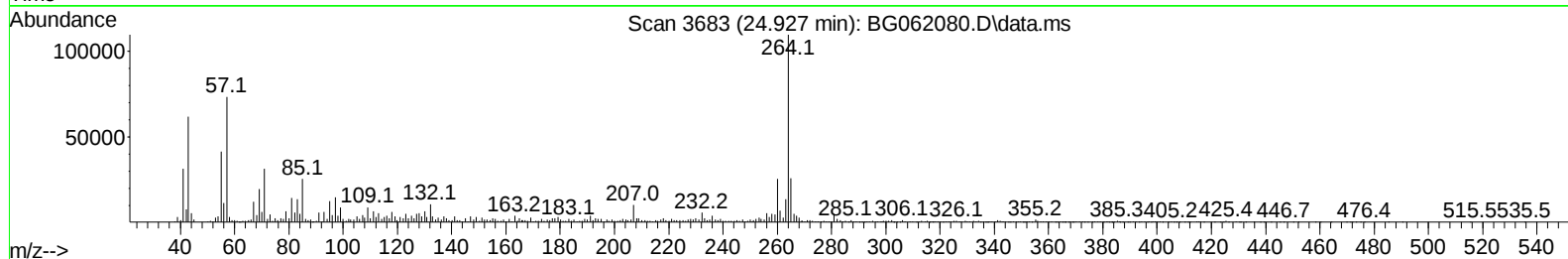
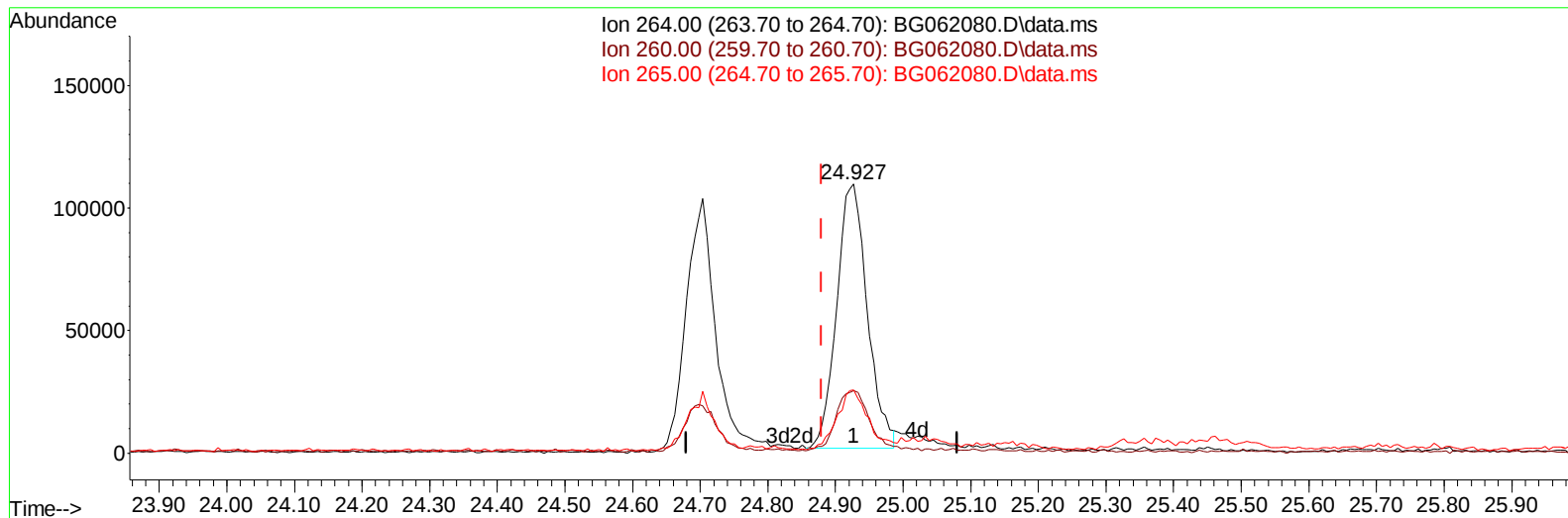
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:06:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(88) Perylene-d12 (I)

24.927min (+ 0.047) 20.00 ng/u1

response 338052

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	22.20	23.24
265.00	20.40	23.52
0.00	0.00	0.00

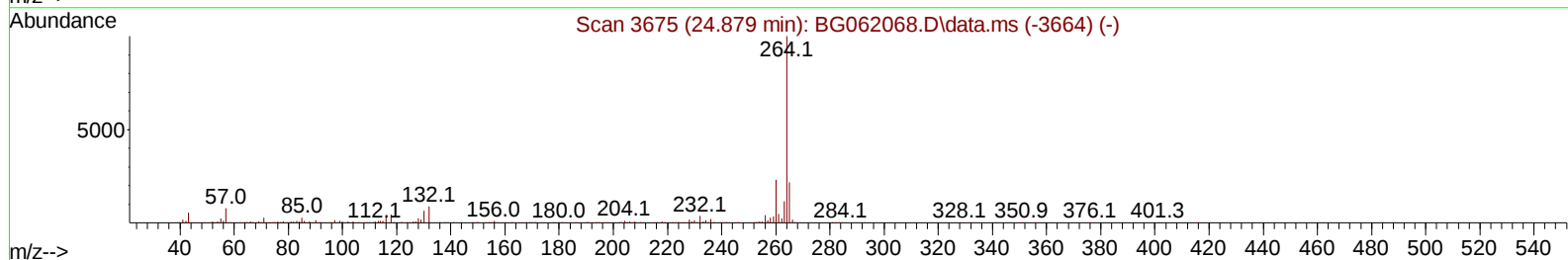
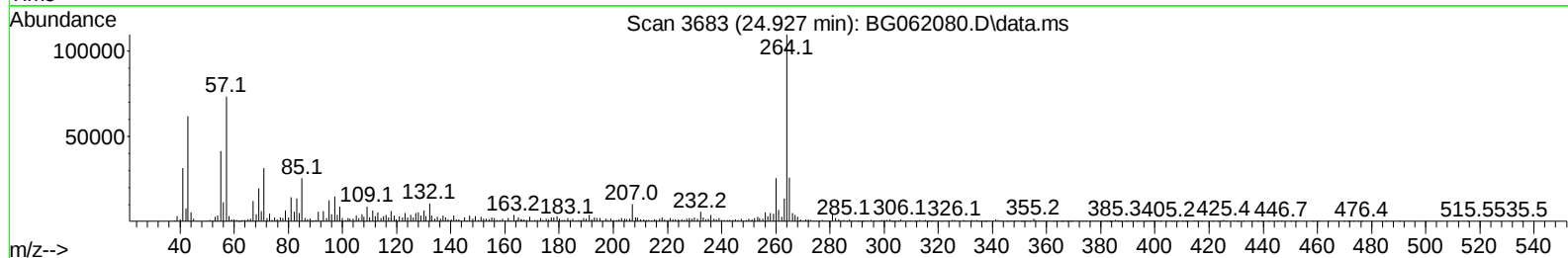
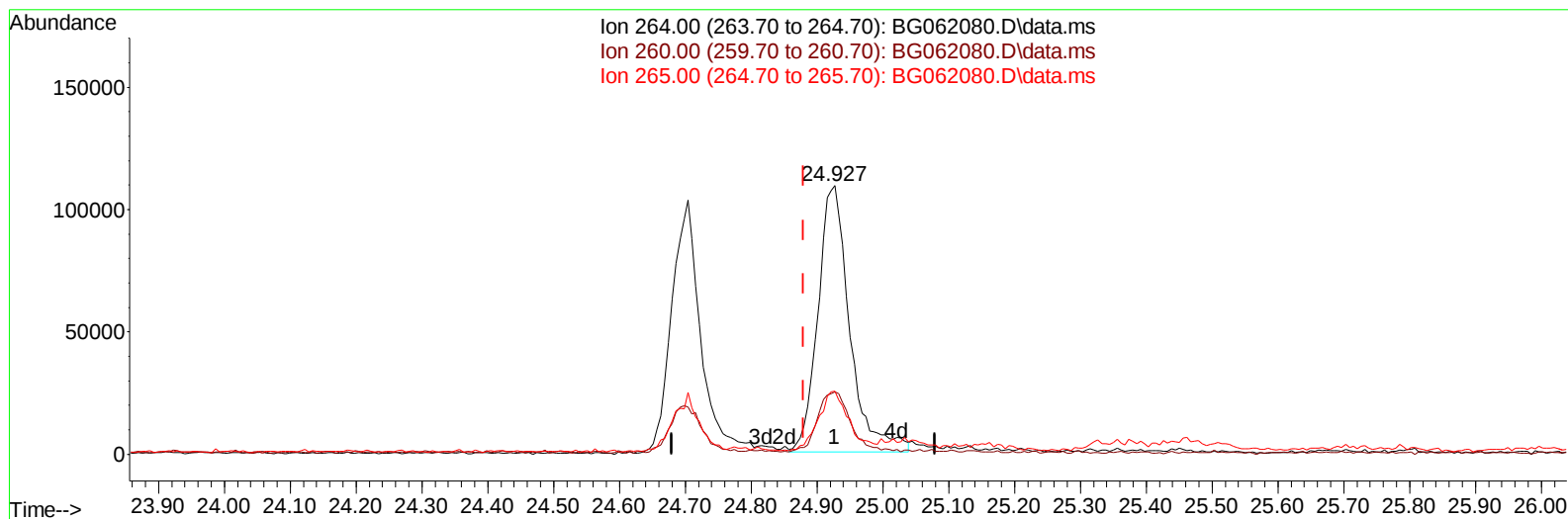
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062080.D
 Acq On : 15 Jul 2024 22:48
 Operator : MA/JU
 Sample : P3100-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:06:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(88) Perylene-d12 (I)

24.927min (+ 0.047) 20.00 ng/ul m

response 365523

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	22.20	23.24
265.00	20.40	23.52
0.00	0.00	0.00

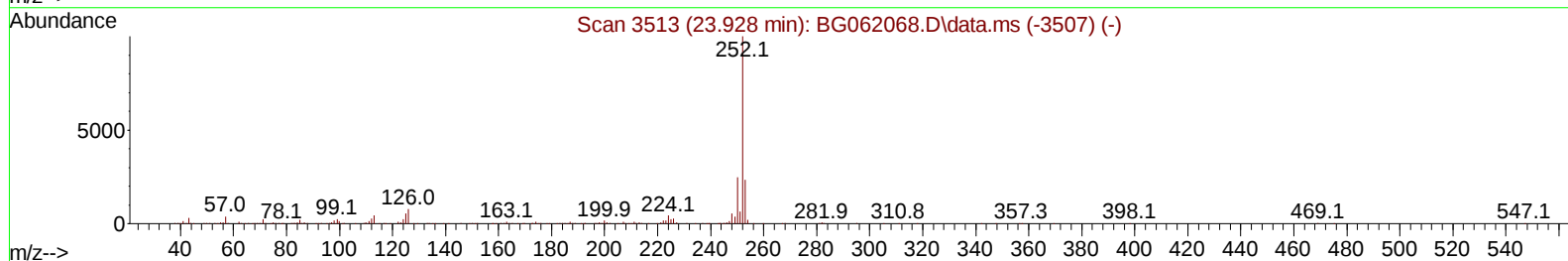
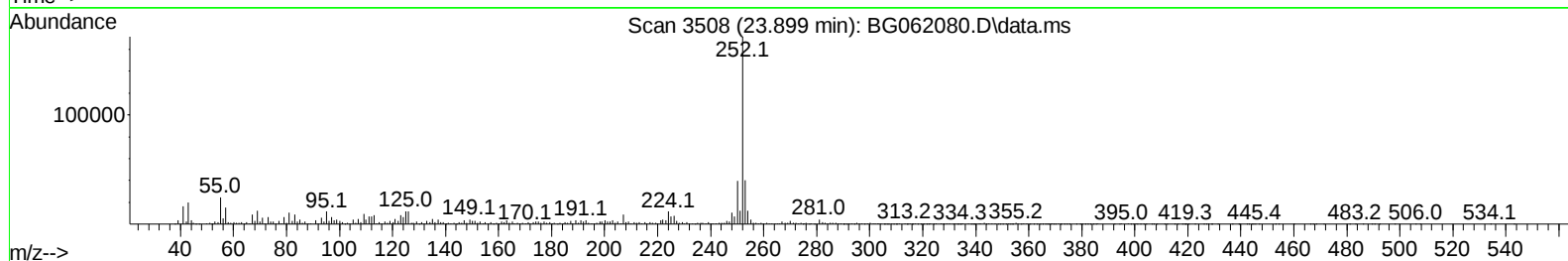
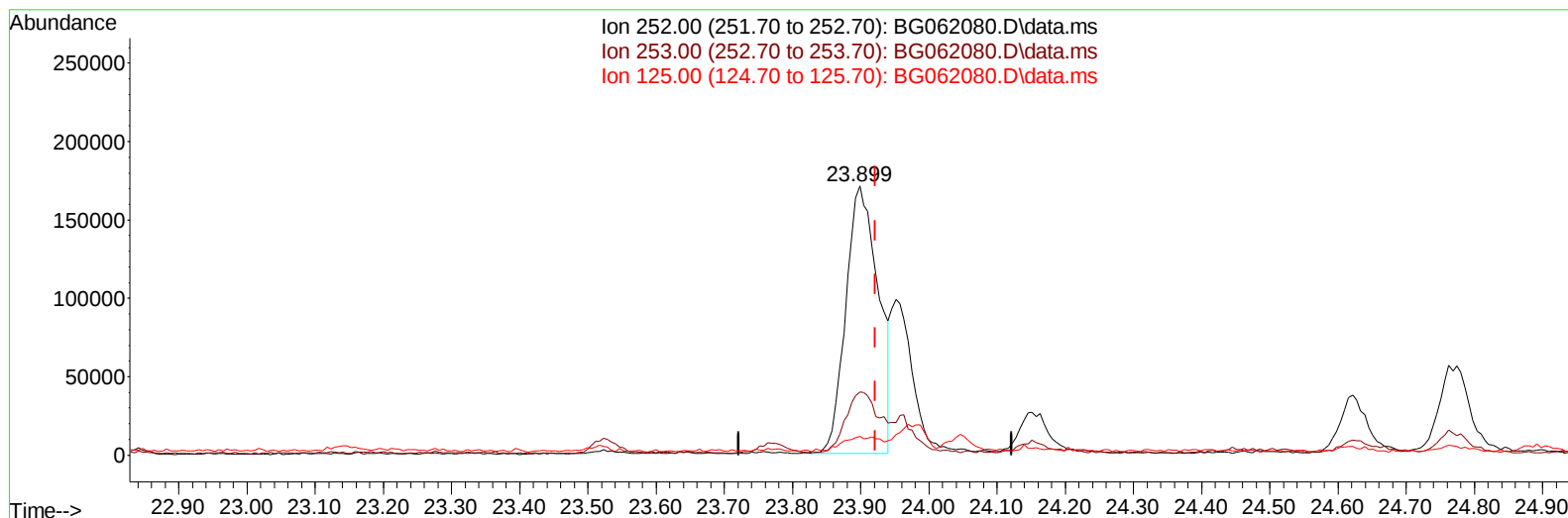
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:08:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(91) Benzo(k)fluoranthene

23.899min (-0.023) 24.61 ng/u1

response 565266

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	23.58
125.00	7.90	6.92
0.00	0.00	0.00

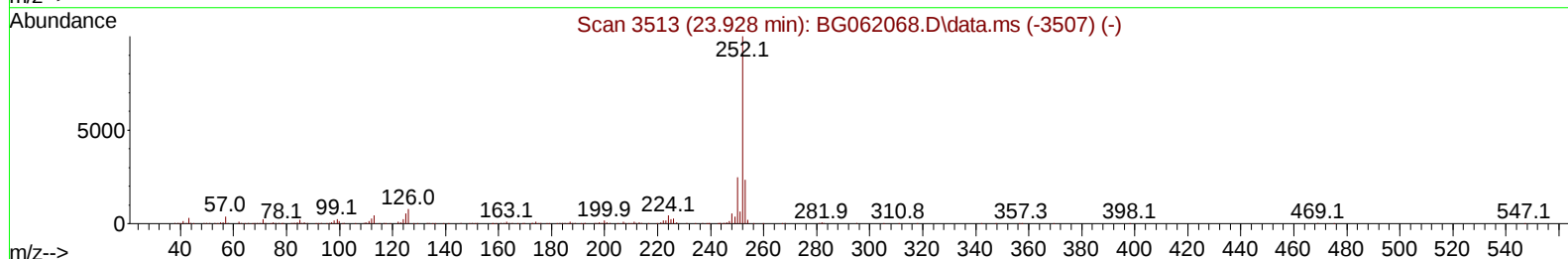
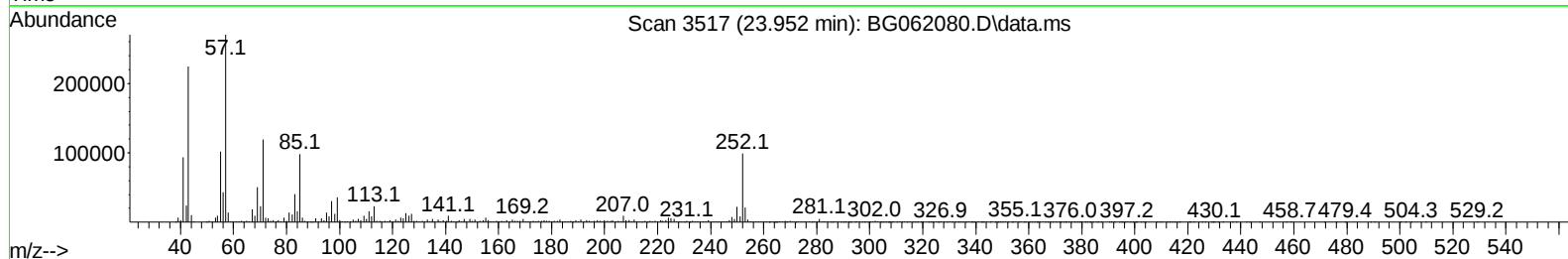
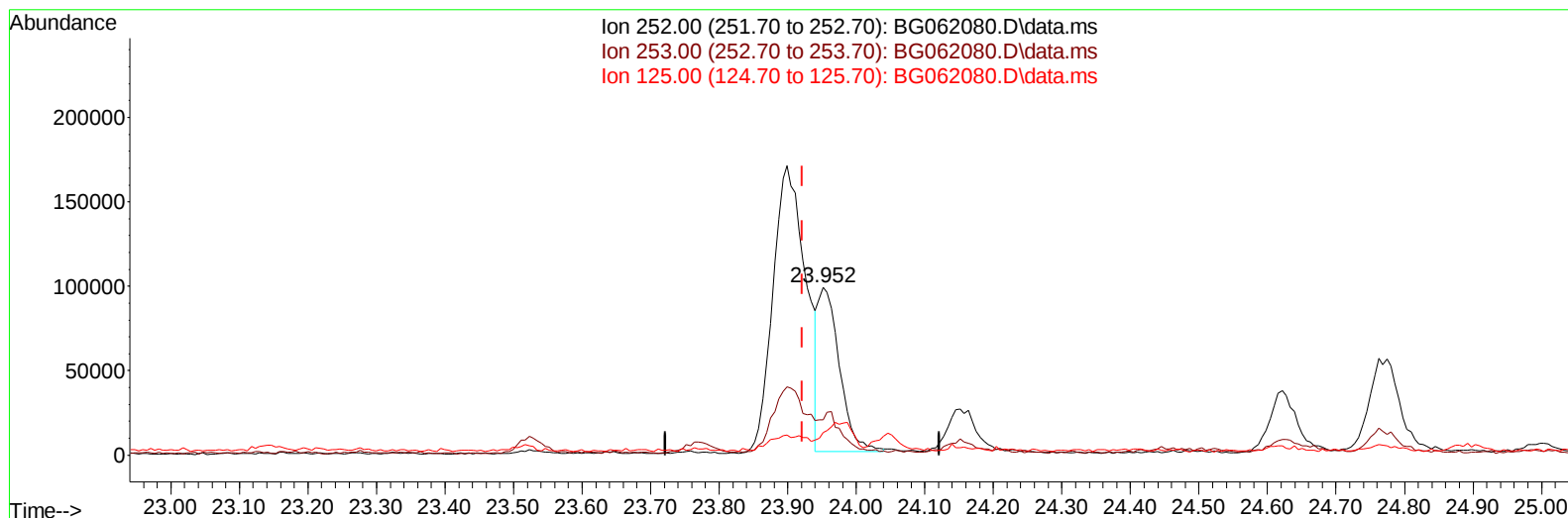
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:08:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(91) Benzo(k)fluoranthene

23.952min (+ 0.030) 9.16 ng/ul m

response 210343

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.08
125.00	7.90	13.43#
0.00	0.00	0.00

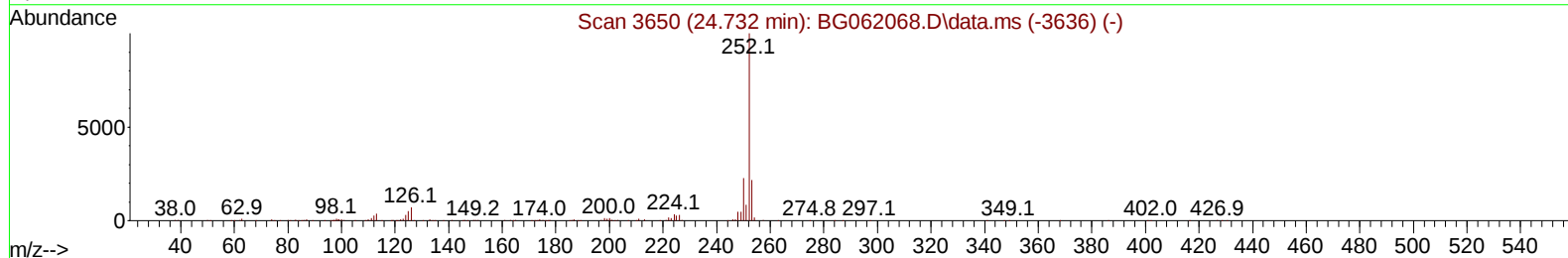
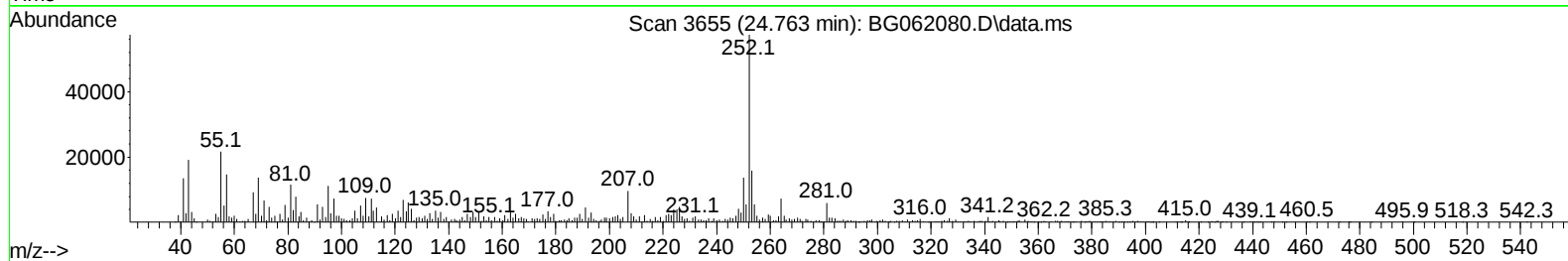
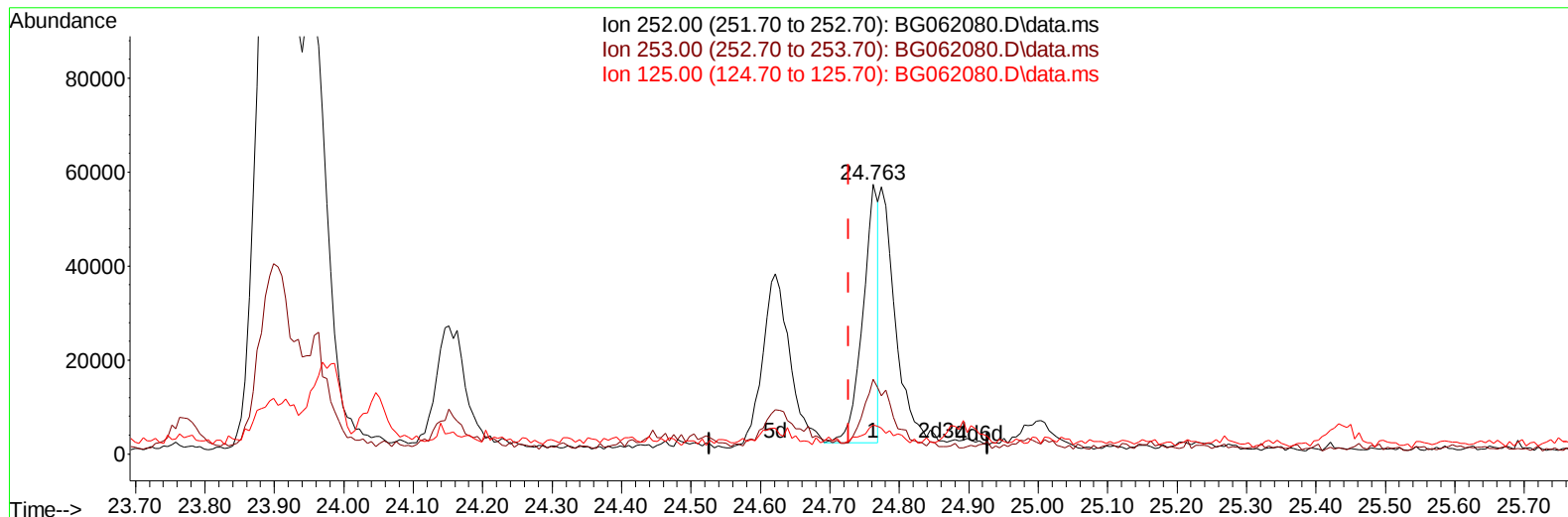
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062080.D
 Acq On : 15 Jul 2024 22:48
 Operator : MA/JU
 Sample : P3100-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:08:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(93) Benzo(a)pyrene (C)

24.763min (+ 0.036) 3.91 ng/u1

response 85221

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	27.61#
125.00	9.30	10.82
0.00	0.00	0.00

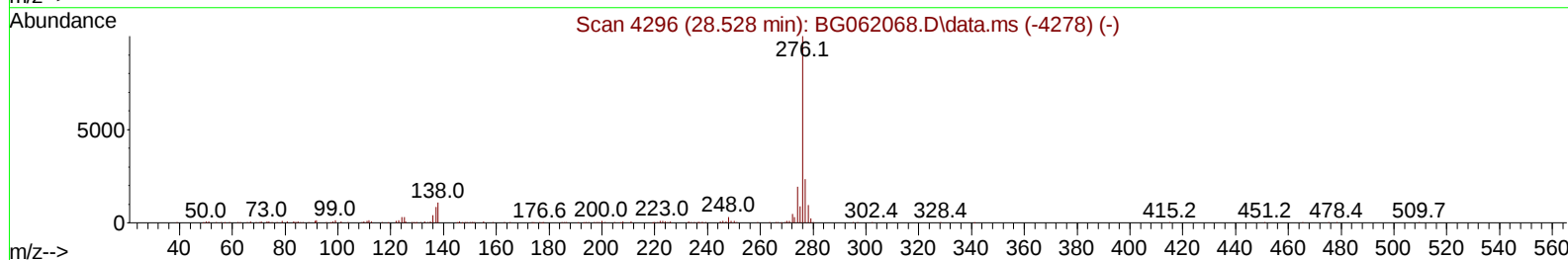
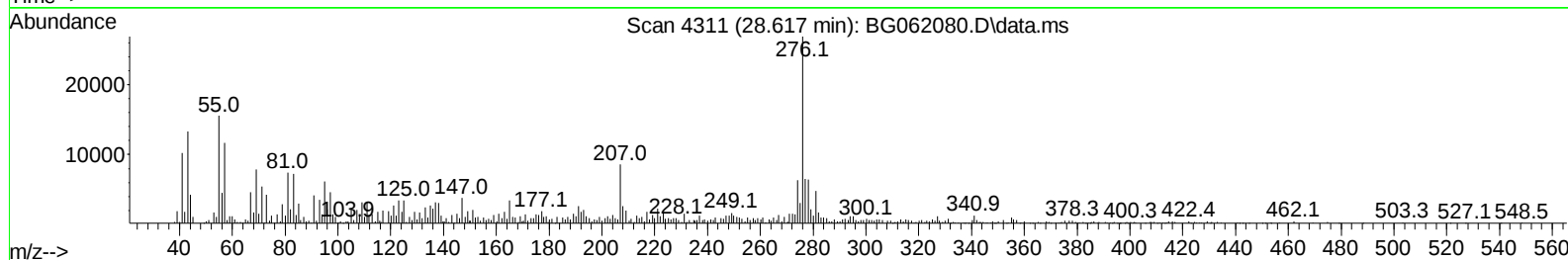
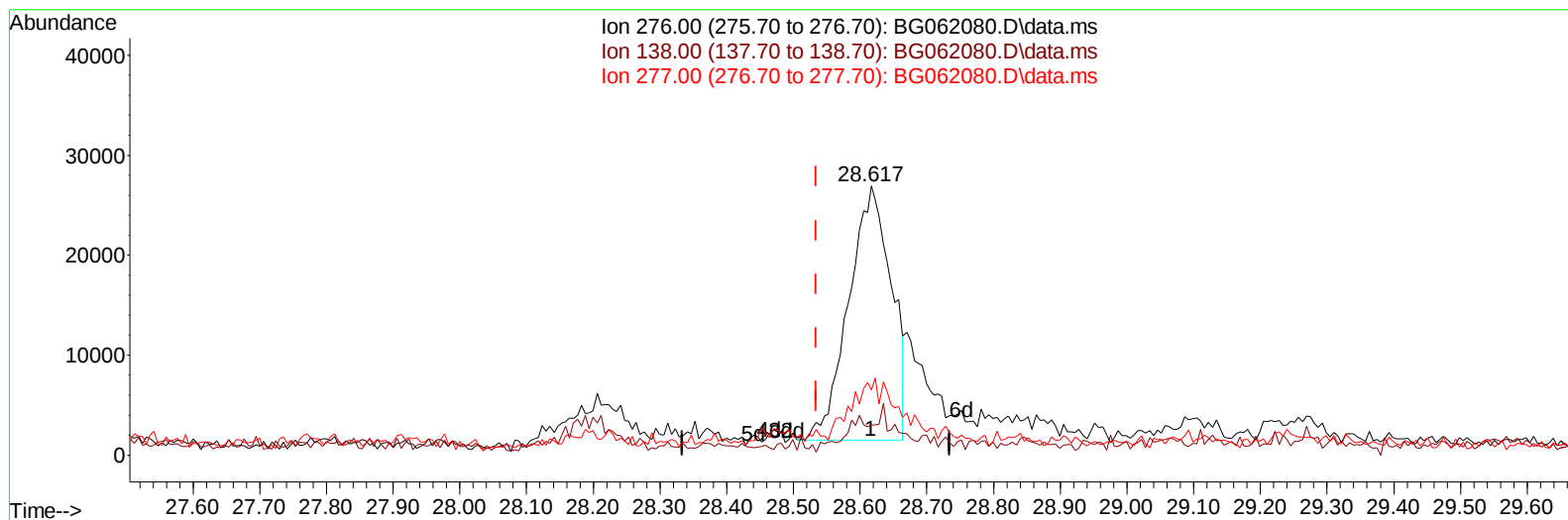
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:08:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

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

28.617min (+ 0.083) 4.05 ng/u1

response 112727

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	11.22#
277.00	24.10	24.07
0.00	0.00	0.00

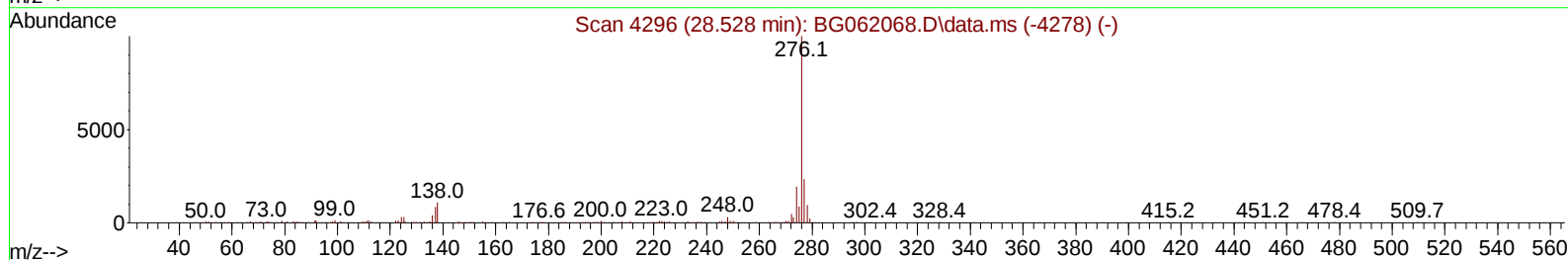
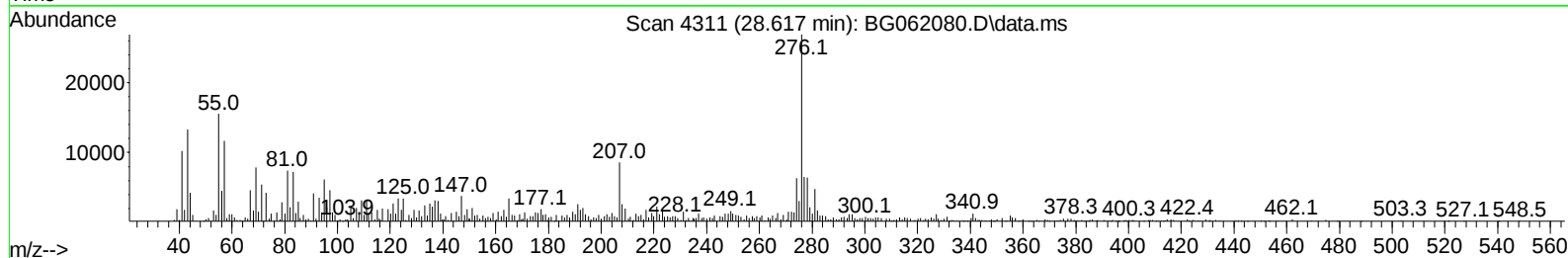
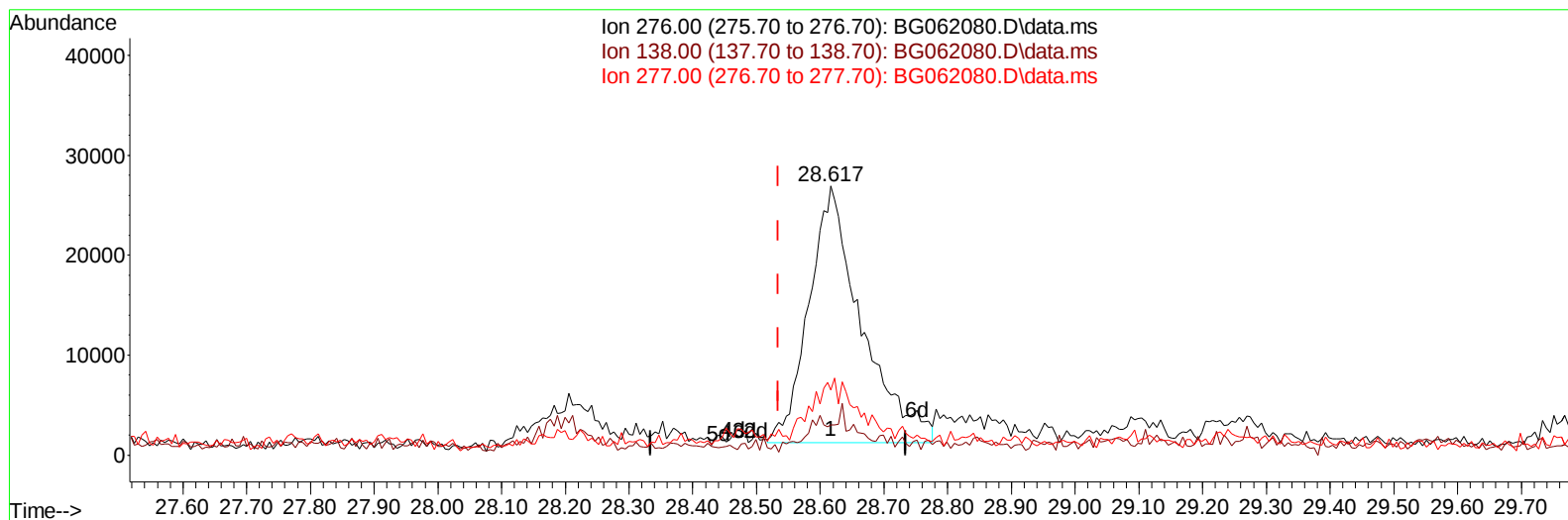
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:08:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

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

28.617min (+ 0.083) 5.29 ng/ul m

response 147342

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	11.22#
277.00	24.10	24.07
0.00	0.00	0.00

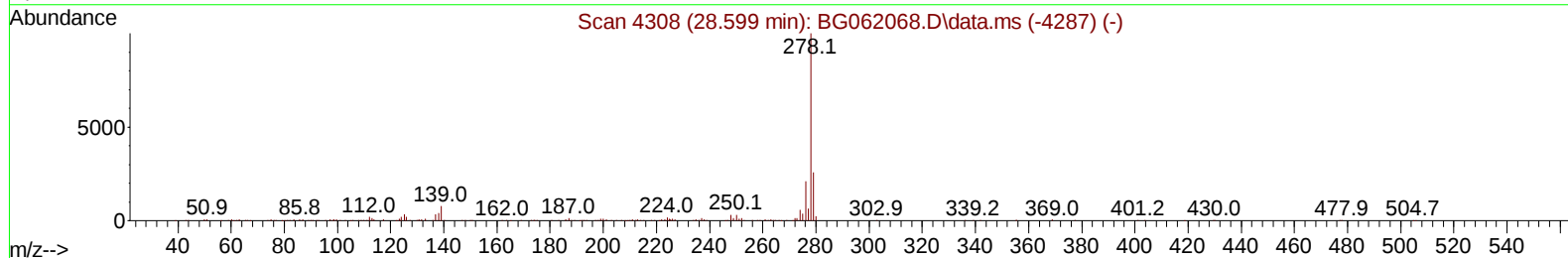
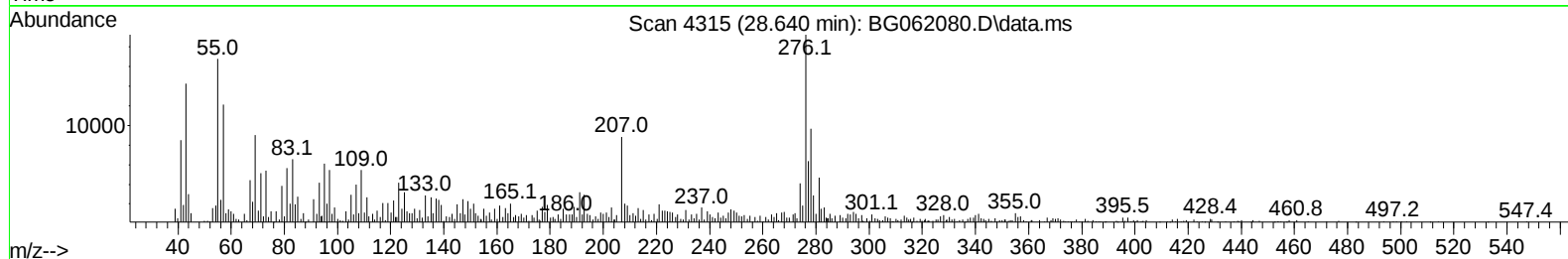
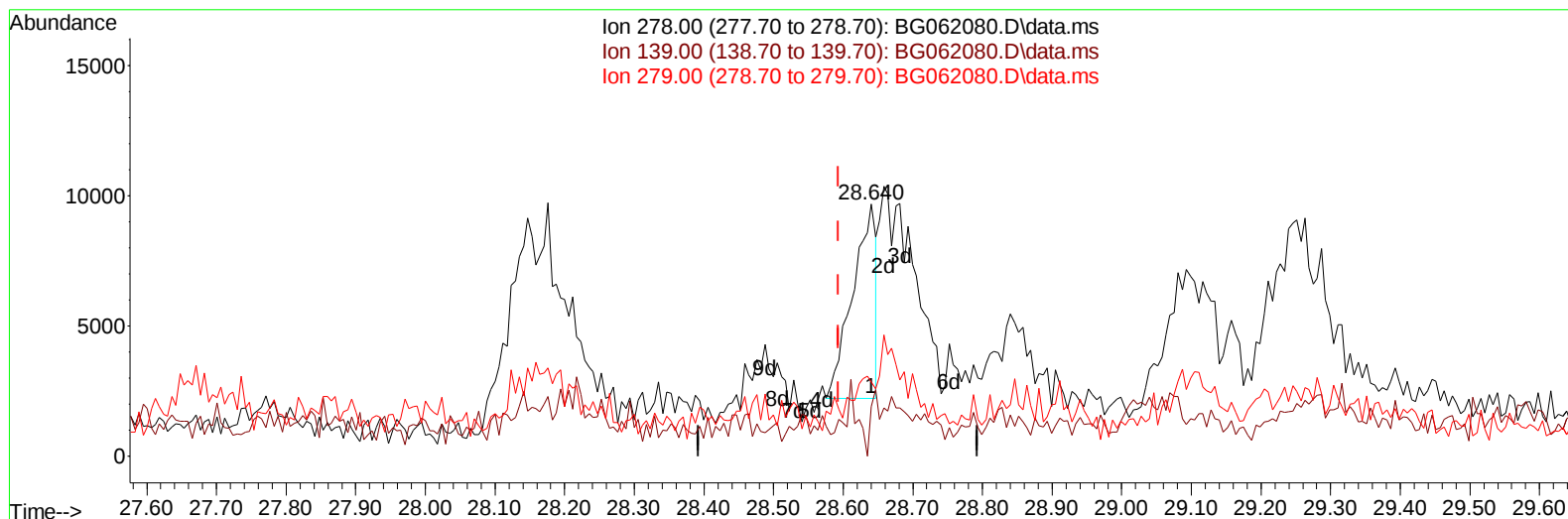
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(95) Dibenzo(a,h)anthracene

28.640min (+ 0.047) 0.75 ng/u1

response 17158

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	19.61#
279.00	23.50	29.34#
0.00	0.00	0.00

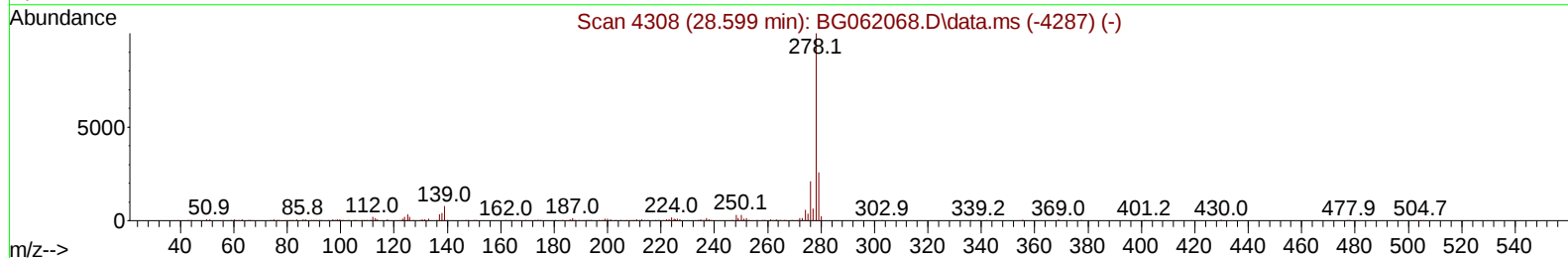
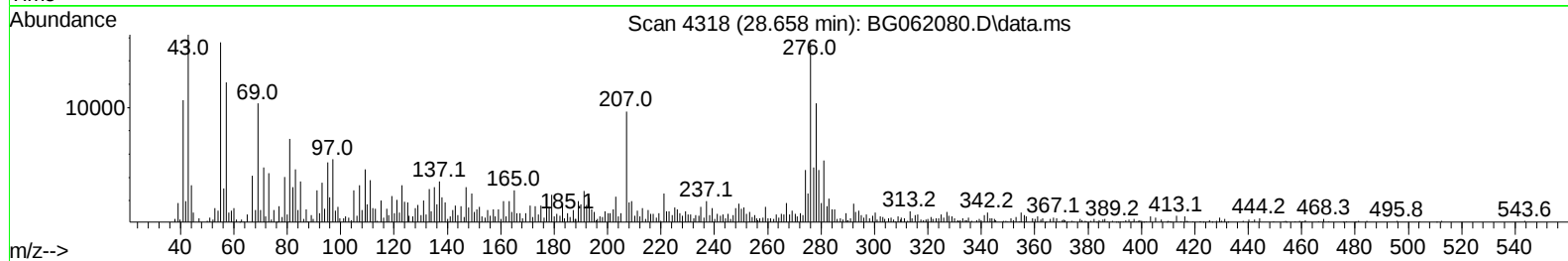
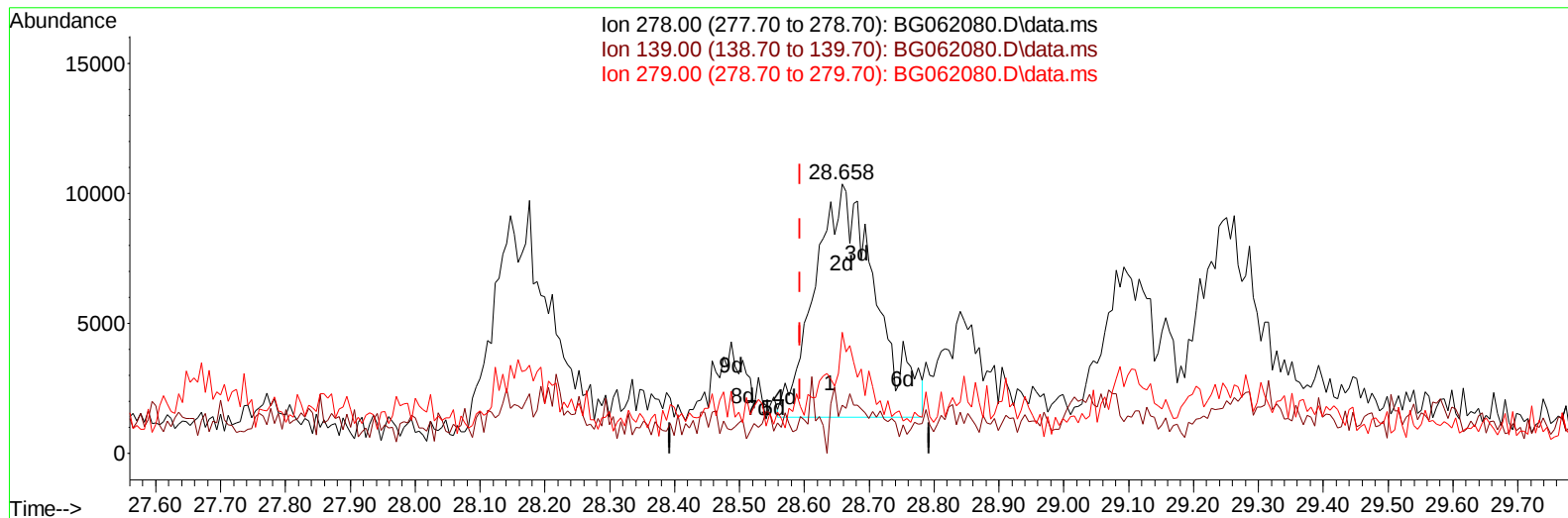
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062080.D\data.ms

(95) Dibenzo(a,h)anthracene

28.658min (+ 0.065) 2.57 ng/ul m

response 59093

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	17.93#
279.00	23.50	44.95#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062080.D
 Acq On : 15 Jul 2024 22:48
 Operator : MA/JU
 Sample : P3100-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D13

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 16 00:10:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.047	152	50673	20.000	ng/ul	0.00
20) Naphthalene-d8	10.861	136	247029	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.680	164	160556	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.424	188	352986	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.690	240	308225	20.000	ng/ul	# 0.01
88) Perylene-d12	24.927	264	365523m	20.000	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	4449	3.299	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.218	99	133404	24.056	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.365	67	73561	20.947	ng/ul	0.00
11) 2-Chlorophenol-d4	7.577	132	100609	26.449	ng/ul	0.00
15) 4-Methylphenol-d8	8.764	113	100510	23.020	ng/ul	0.02
21) Nitrobenzene-d5	9.216	128	49731	26.470	ng/ul	0.00
24) 2-Nitrophenol-d4	9.933	143	63844	29.757	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.485	165	118479	28.630	ng/ul	0.02
31) 4-Chloroaniline-d4	11.002	131	4627m	0.770	ng/ul	0.02
46) Dimethylphthalate-d6	14.081	166	361449	27.383	ng/ul	0.00
49) Acenaphthylene-d8	14.375	160	400406	29.010	ng/ul	0.00
54) 4-Nitrophenol-d4	14.898	143	44114	20.927	ng/ul	0.02
60) Fluorene-d10	15.667	176	310899	27.978	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	38616	20.830	ng/ul	0.01
73) Anthracene-d10	17.524	188	465242	28.230	ng/ul	0.00
81) Pyrene-d10	19.810	212	433210	23.895	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.704	264	313966	17.319	ng/ul	0.04
Target Compounds						
					Qvalue	
72) Phenanthrene	17.465	178	296536	15.932	ng/ul	96
74) Anthracene	17.559	178	50054	2.602	ng/ul	97
77) Carbazole	17.830	167	29530	1.824	ng/ul#	97
80) Fluoranthene	19.475	202	708101	33.004	ng/ul#	94
82) Pyrene	19.839	202	493322	22.259	ng/ul#	90
85) Benzo(a)anthracene	21.672	228	354710	15.894	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.555	149	45905	3.439	ng/ul	94
87) Chrysene	21.737	228	407566	19.509	ng/ul	96
90) Benzo(b)fluoranthene	23.899	252	565266	24.546	ng/ul	96
91) Benzo(k)fluoranthene	23.952	252	210343m	9.159	ng/ul	
93) Benzo(a)pyrene	24.763	252	174008m	7.979	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.617	276	147342m	5.287	ng/ul	
95) Dibenzo(a,h)anthracene	28.658	278	59093m	2.567	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062080.D
Acq On : 15 Jul 2024 22:48
Operator : MA/JU
Sample : P3100-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D13

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 16 00:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

