

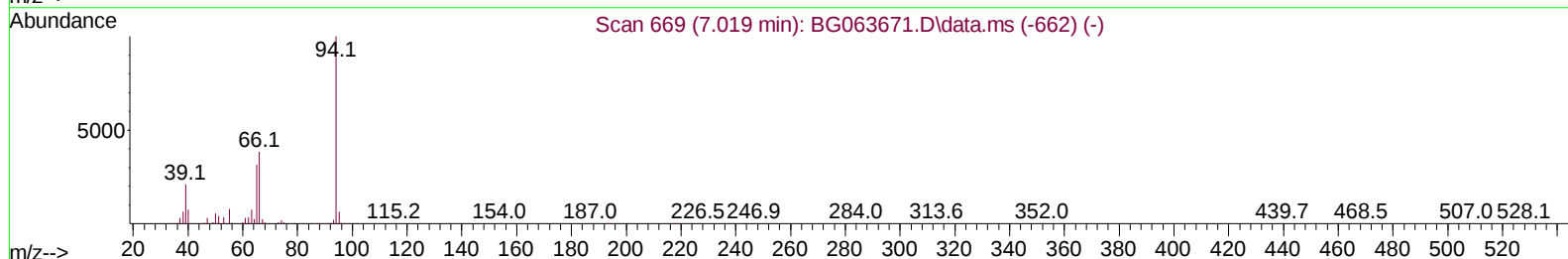
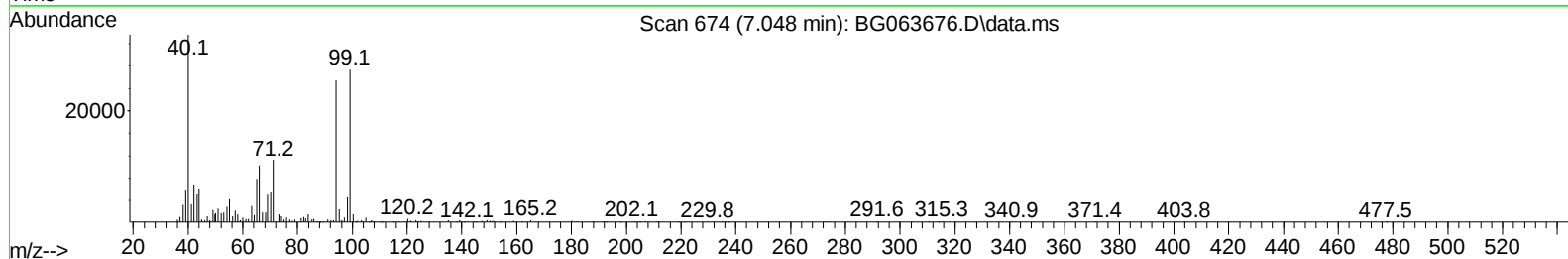
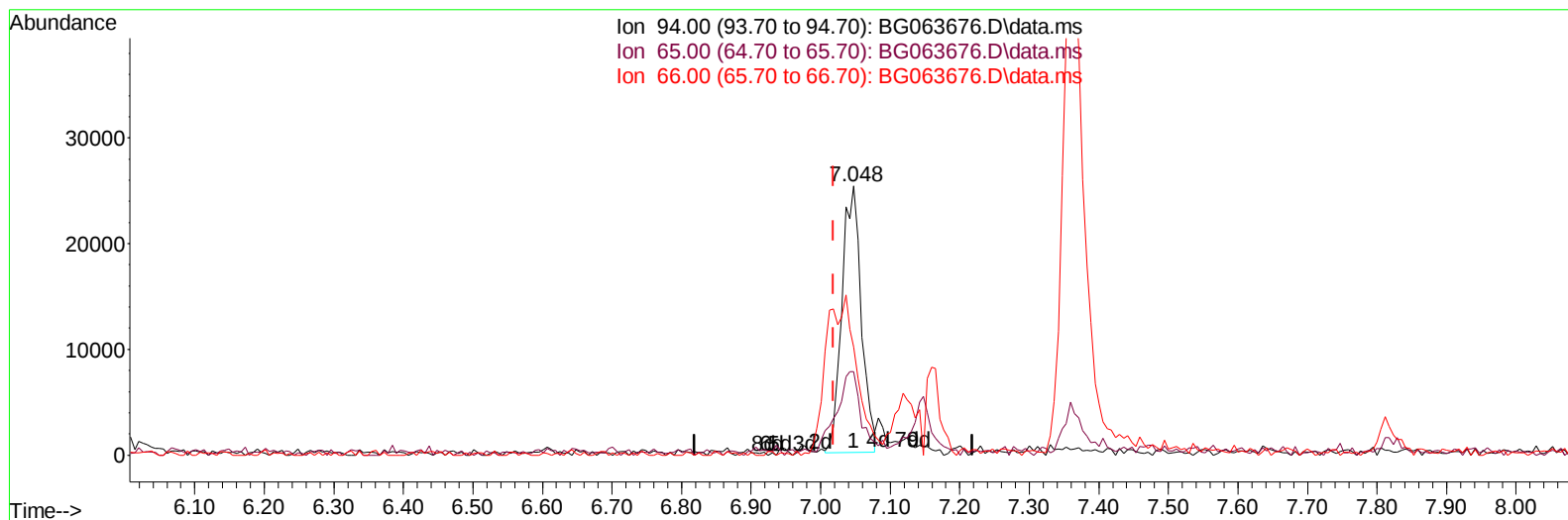
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(8) Phenol

7.048min (+ 0.029) 2.26 ng/u1

response 48956

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	32.00	30.92
66.00	42.70	40.18
0.00	0.00	0.00

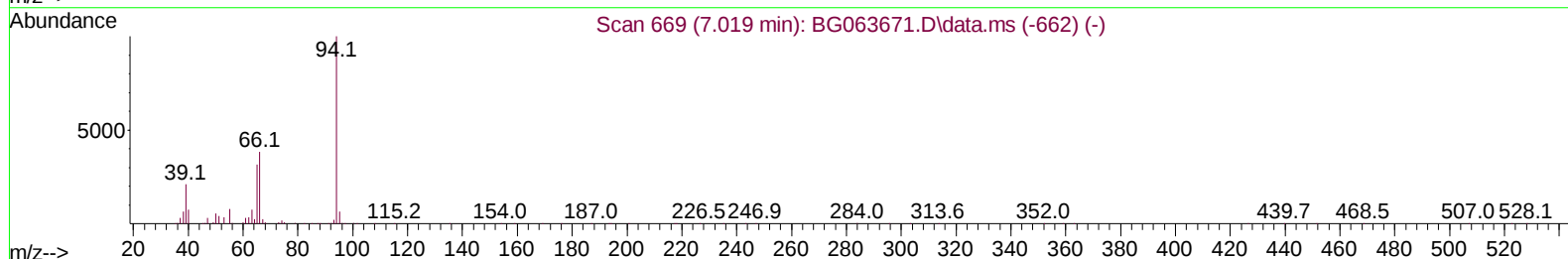
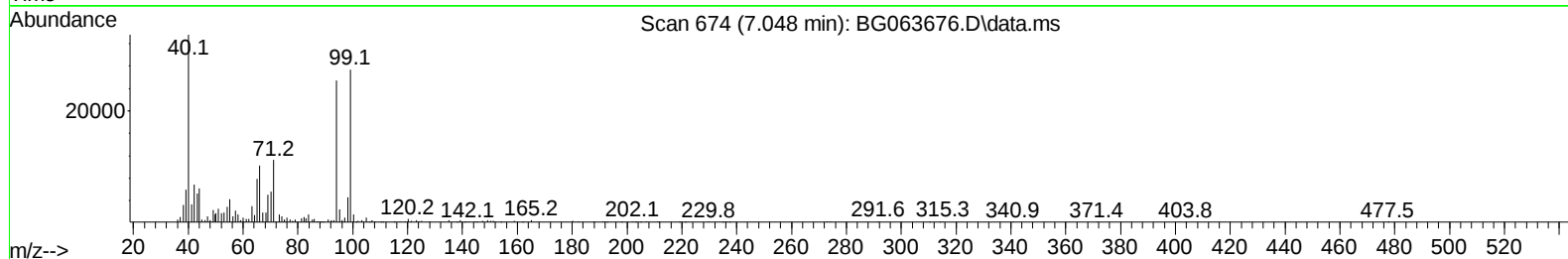
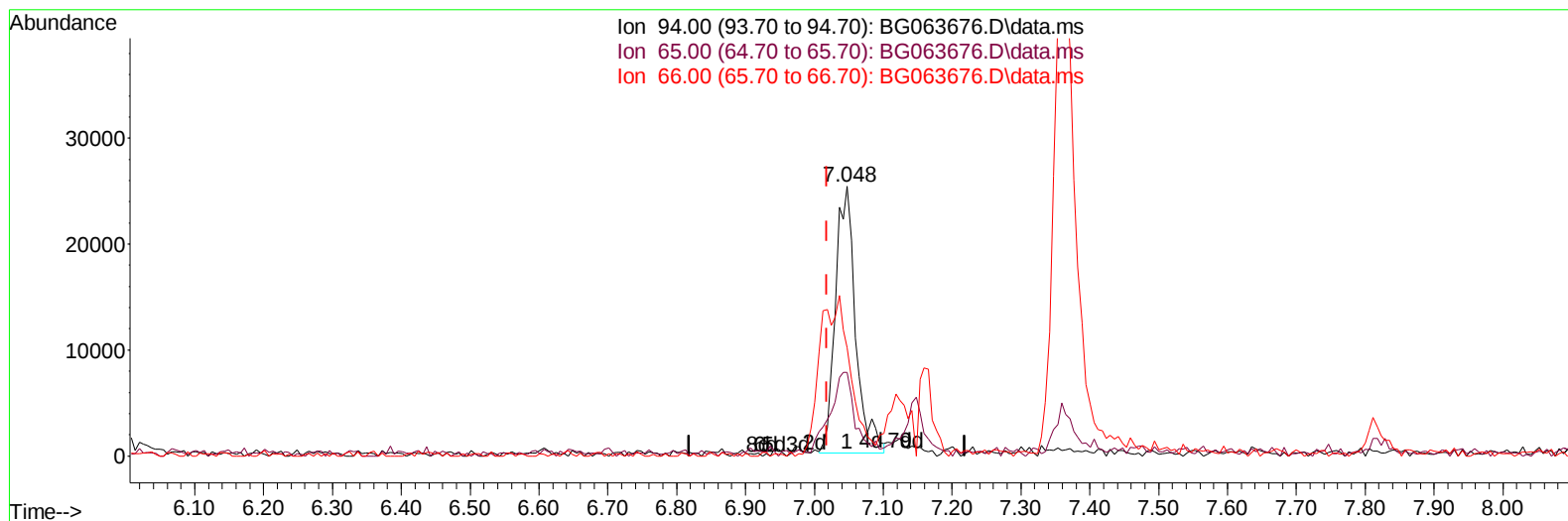
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(8) Phenol

7.048min (+ 0.029) 2.38 ng/ul m

response 51526

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	32.00	30.92
66.00	42.70	40.18
0.00	0.00	0.00

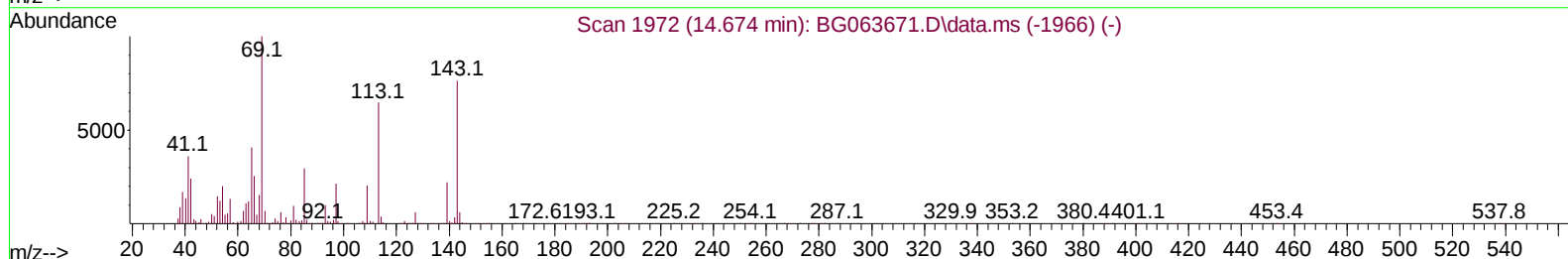
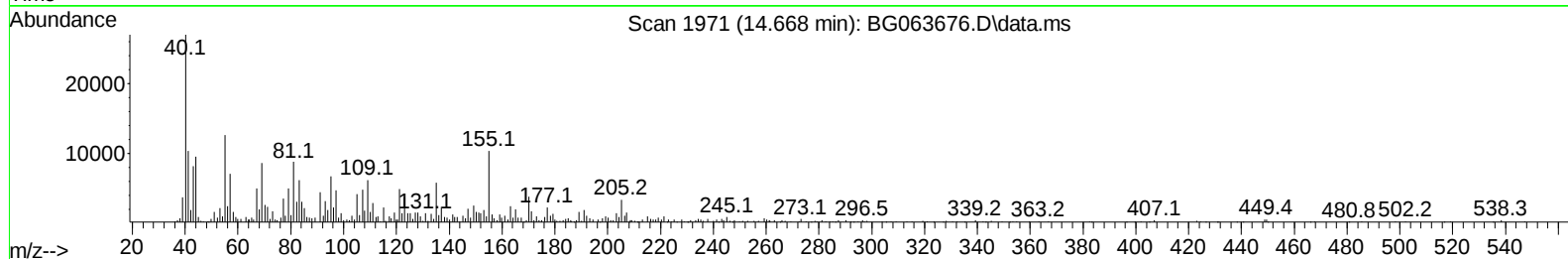
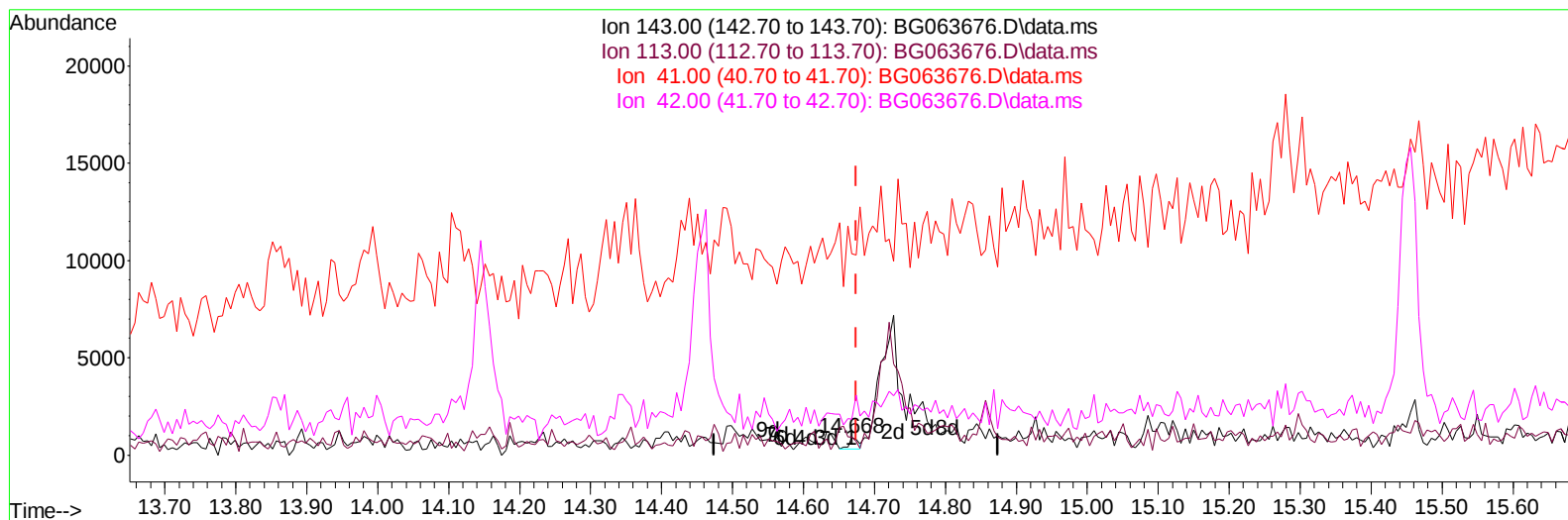
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
 Data File : BG063676.D
 Acq On : 13 Dec 2024 13:30
 Operator : RC/JU
 Sample : P5232-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.668min (-0.006) 0.10 ng/u1

response 559

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	103.40
41.00	48.20	1135.09#
42.00	26.60	203.29#

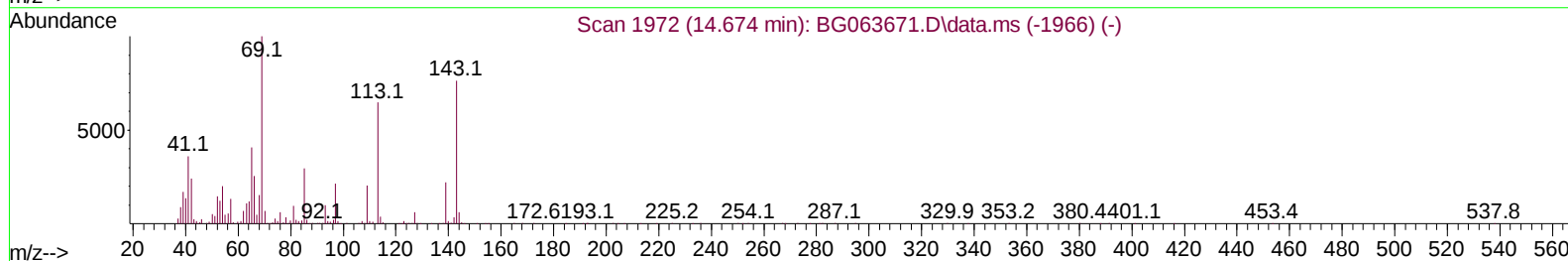
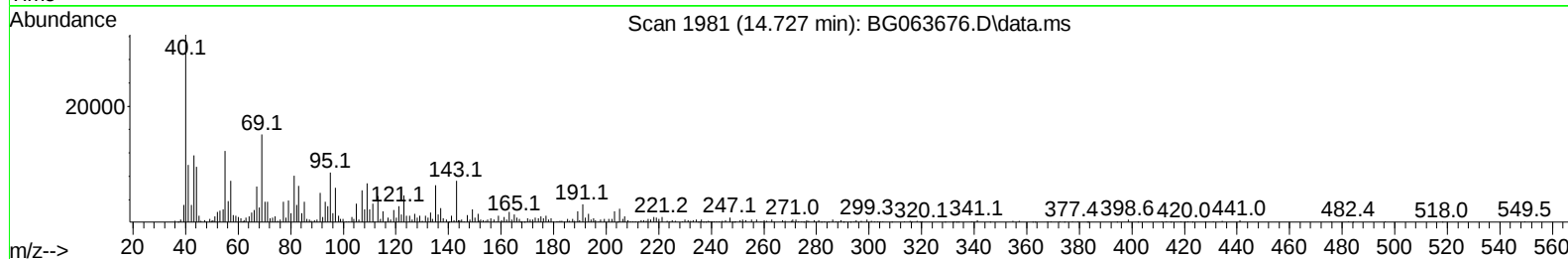
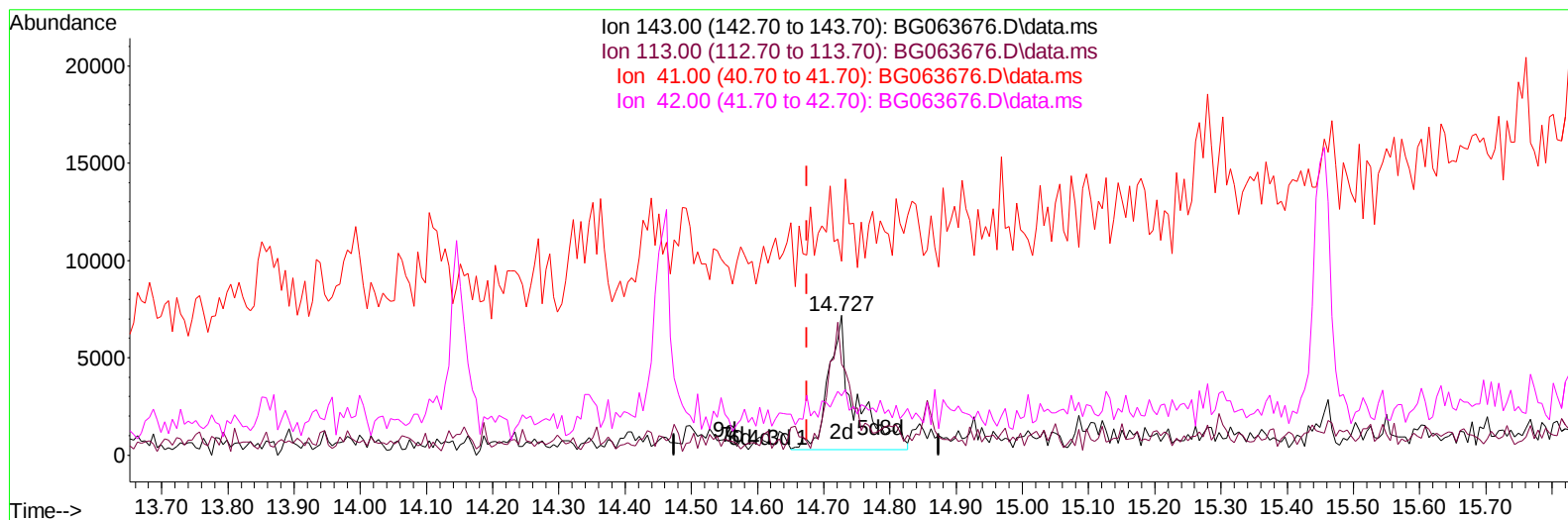
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
 Data File : BG063676.D
 Acq On : 13 Dec 2024 13:30
 Operator : RC/JU
 Sample : P5232-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.727min (+ 0.053) 3.48 ng/ul m

response 19693

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	64.95#
41.00	48.20	138.72#
42.00	26.60	42.53#

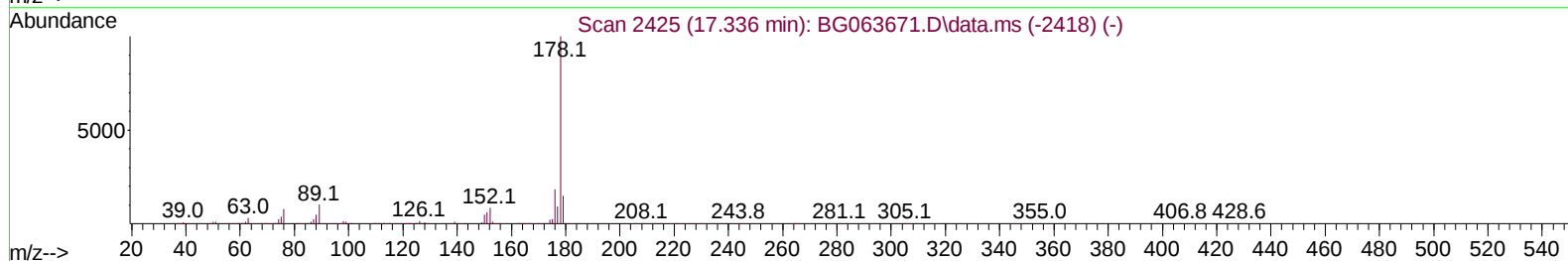
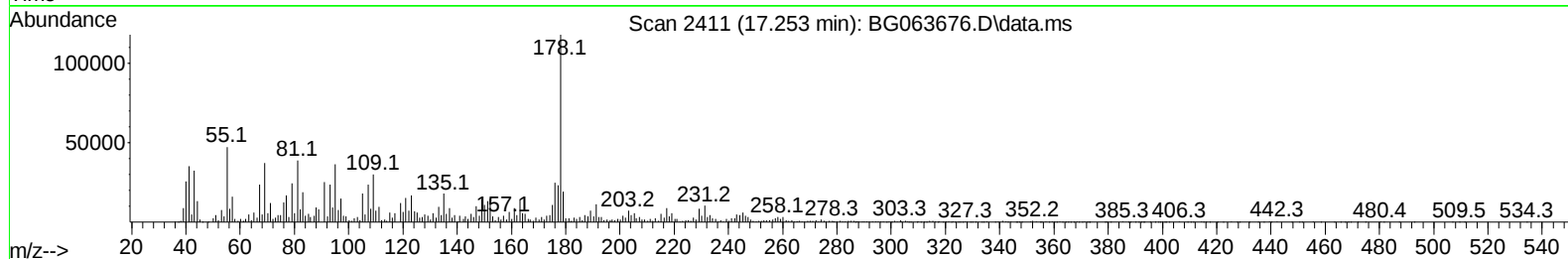
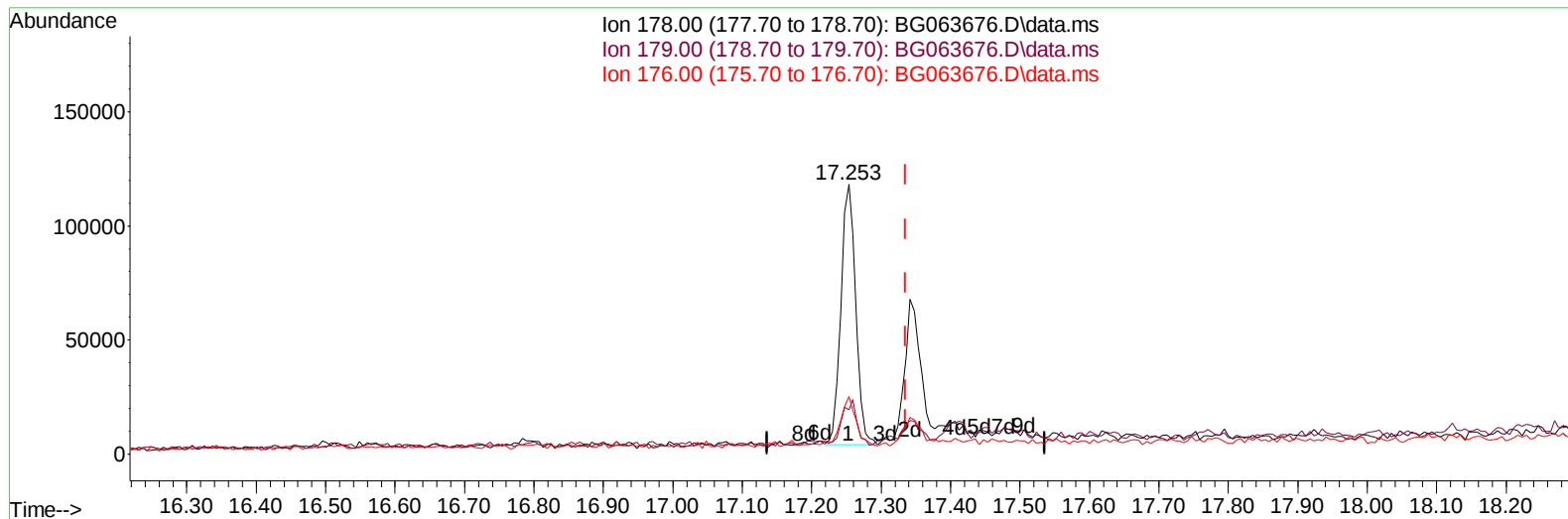
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(74) Anthracene

17.253min (-0.082) 3.08 ng/u1

response 168554

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	16.52
176.00	18.00	21.29
0.00	0.00	0.00

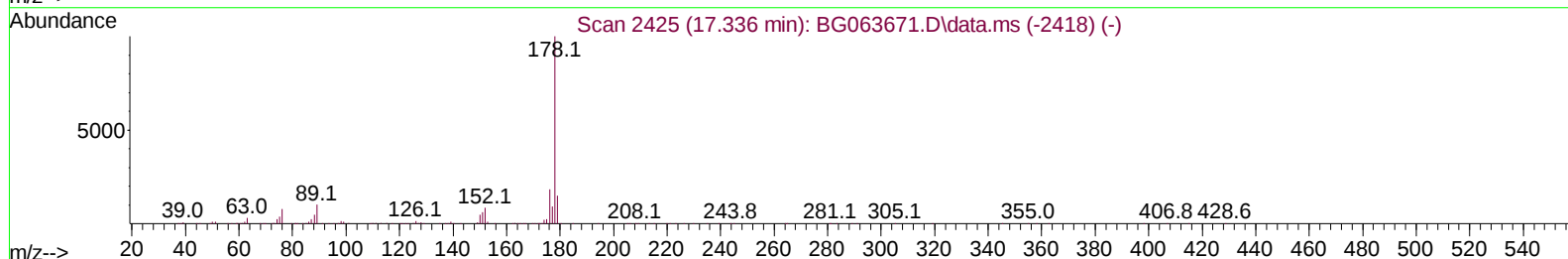
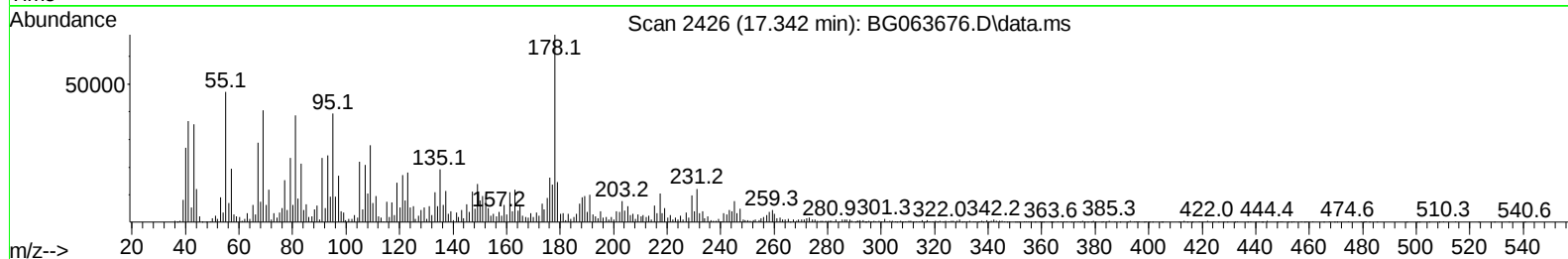
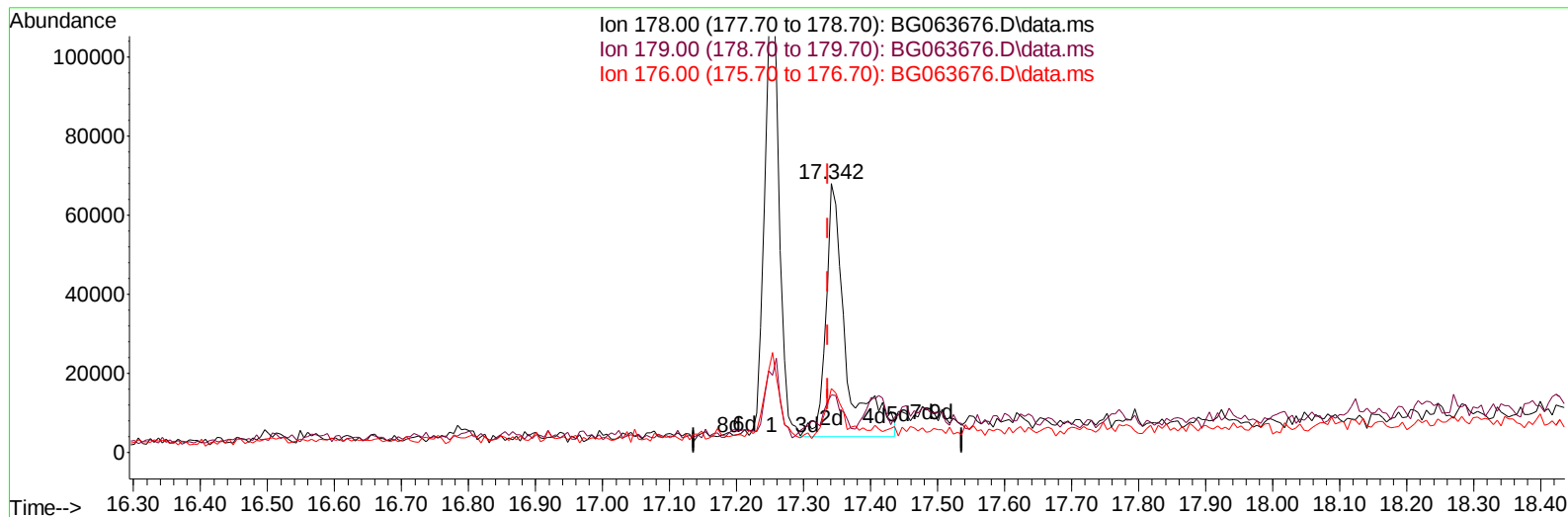
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(74) Anthracene

17.342min (+ 0.006) 2.44 ng/u1 m

response 133650

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	21.43#
176.00	18.00	23.76#
0.00	0.00	0.00

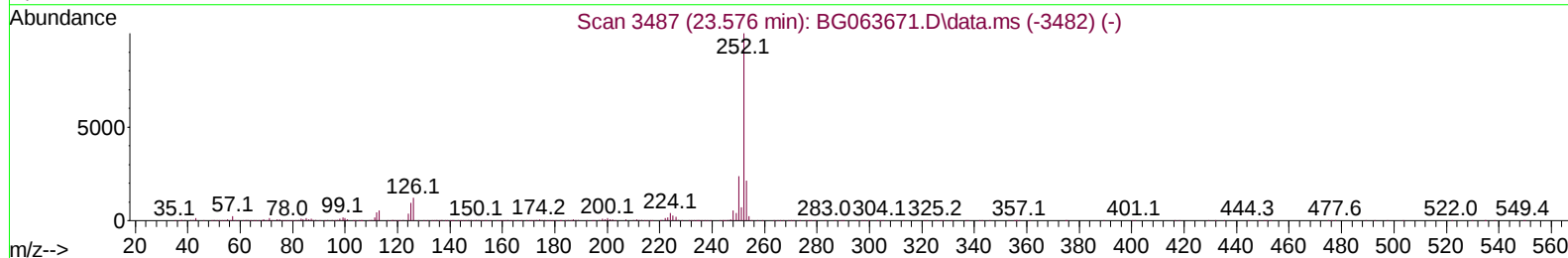
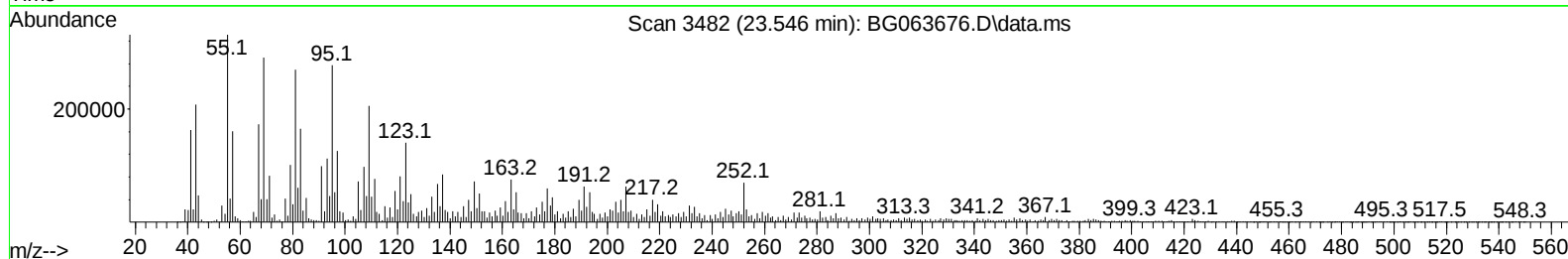
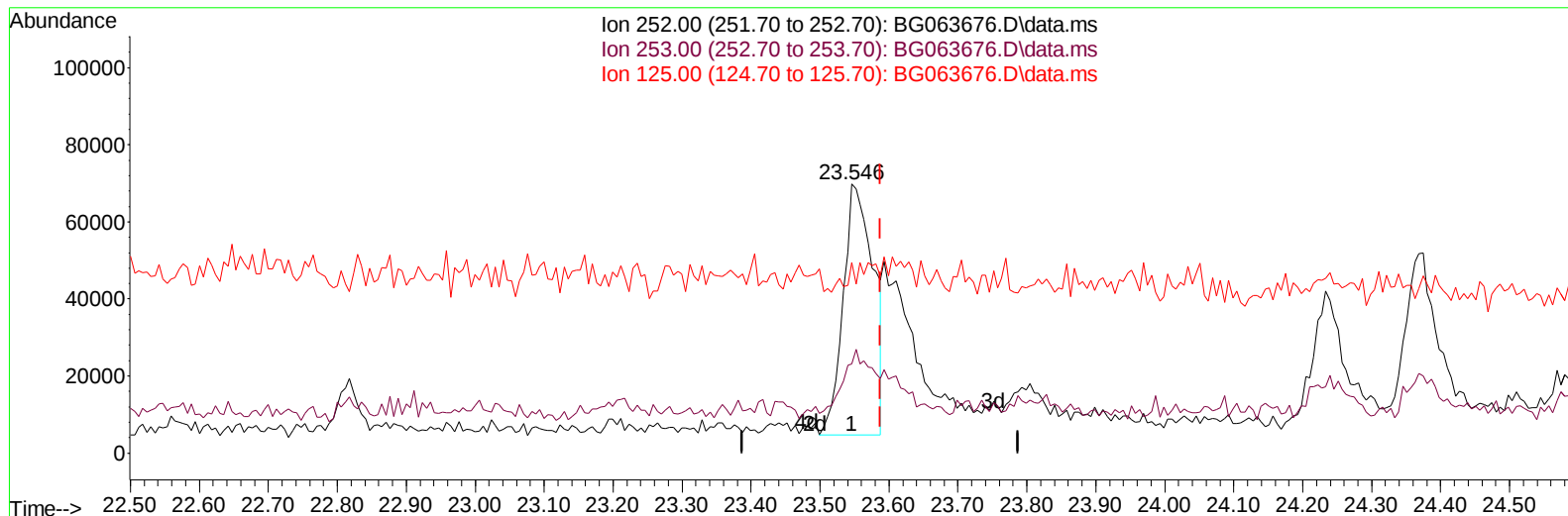
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(91) Benzo(k)fluoranthene

23.546min (-0.041) 5.67 ng/u1

response 197232

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	33.03#
125.00	8.10	70.81#
0.00	0.00	0.00

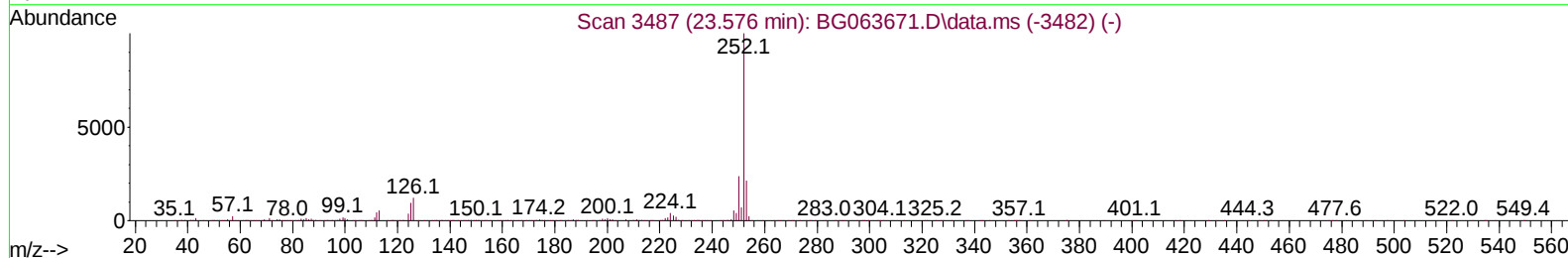
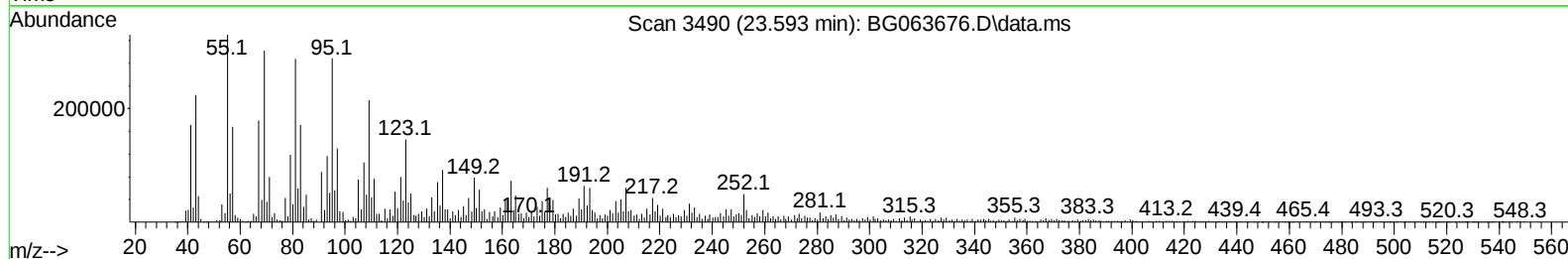
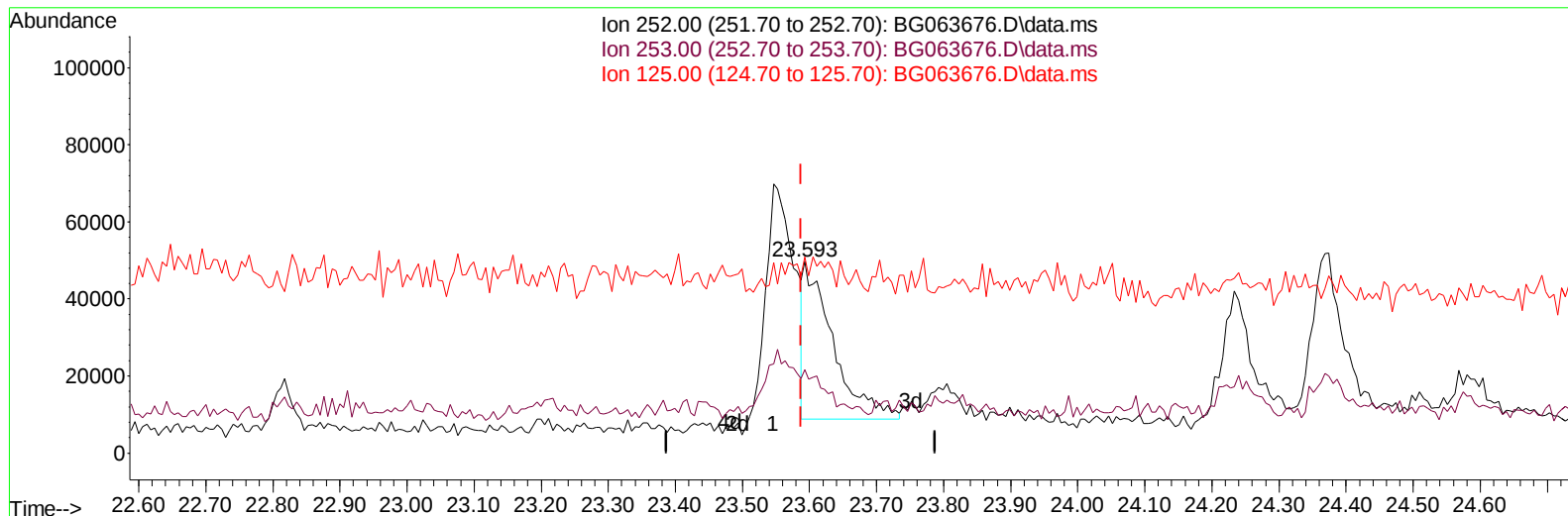
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(91) Benzo(k)fluoranthene

23.593min (+ 0.006) 3.55 ng/u1 m

response 123409

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	43.40#
125.00	8.10	102.33#
0.00	0.00	0.00

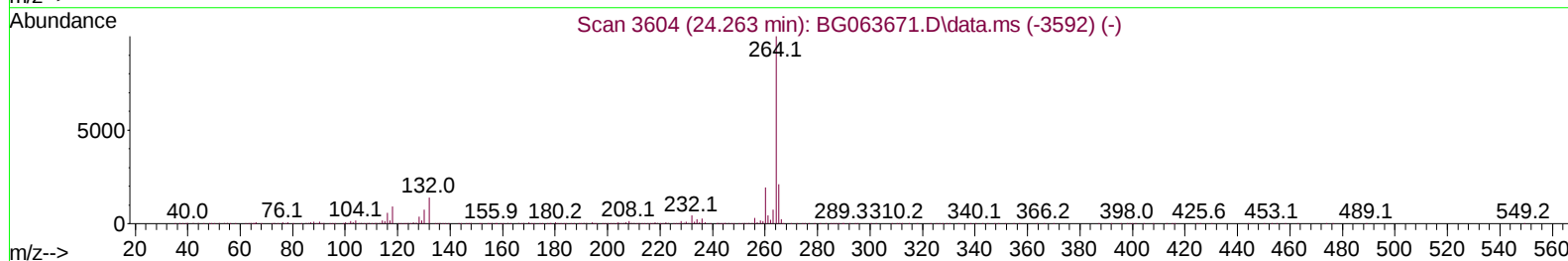
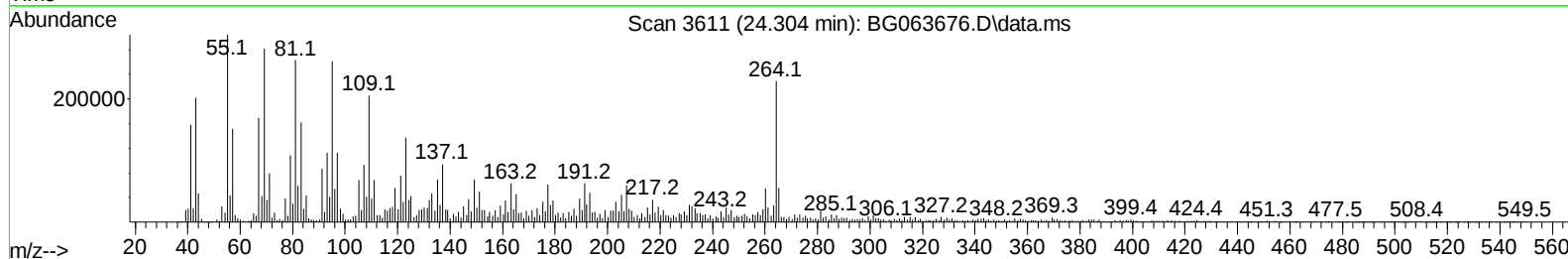
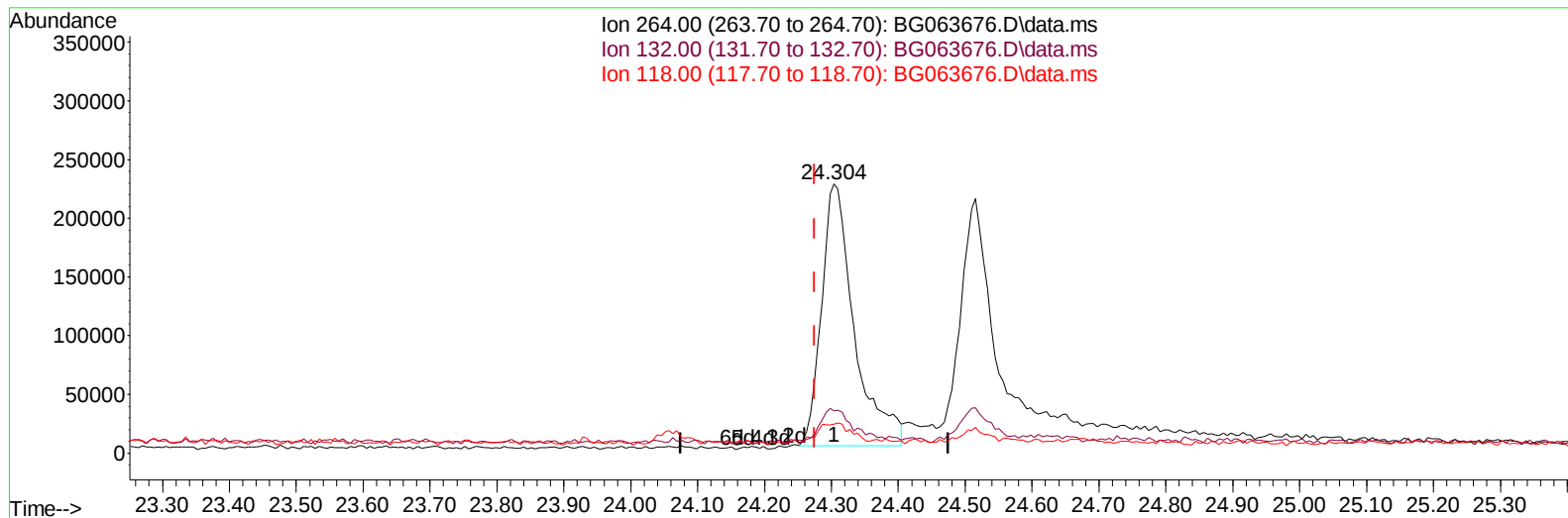
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.304min (+ 0.029) 26.37 ng/u1

response 760503

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	15.80#
118.00	6.90	10.68#
0.00	0.00	0.00

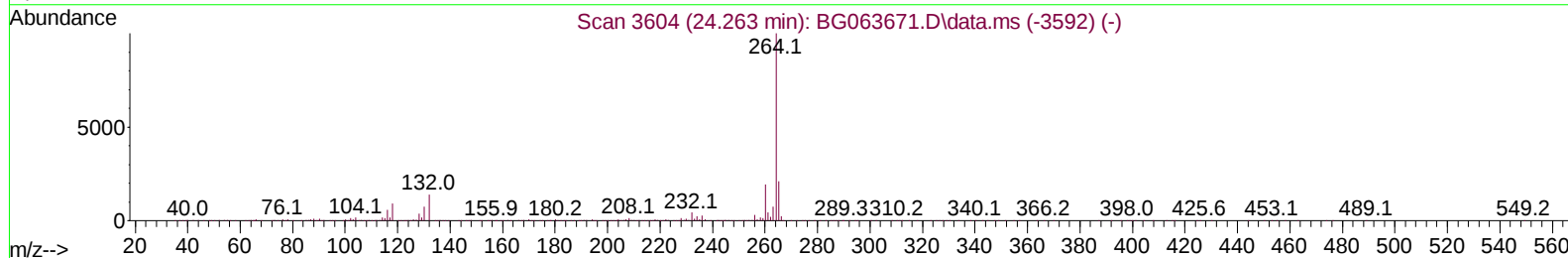
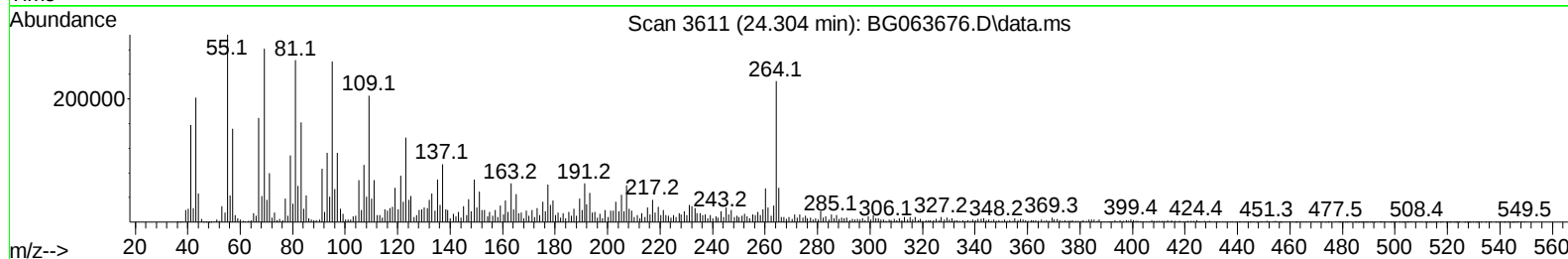
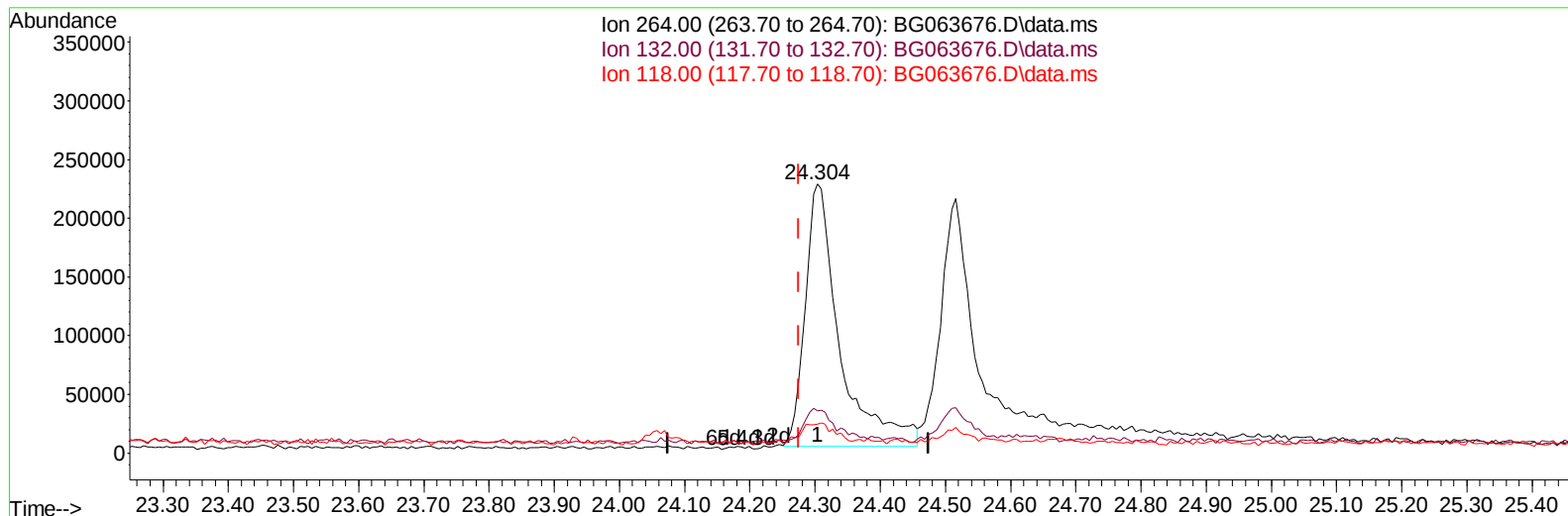
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.304min (+ 0.029) 28.52 ng/u1 m

response 822463

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	15.80#
118.00	6.90	10.68#
0.00	0.00	0.00

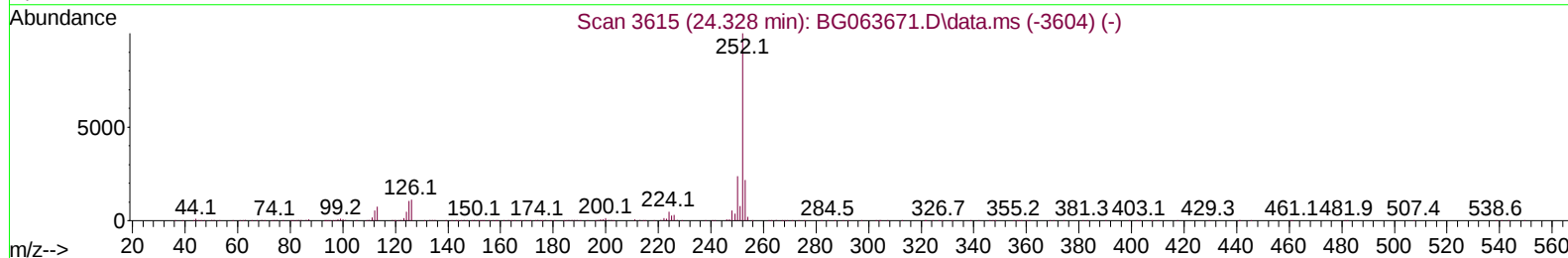
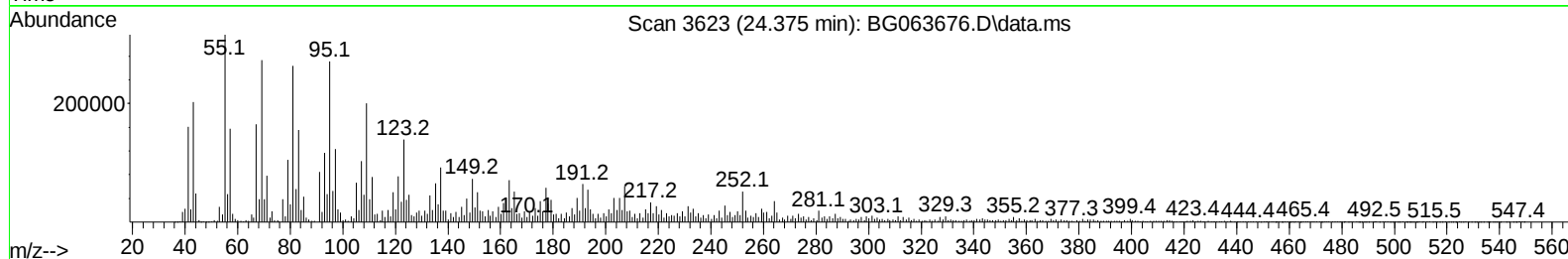
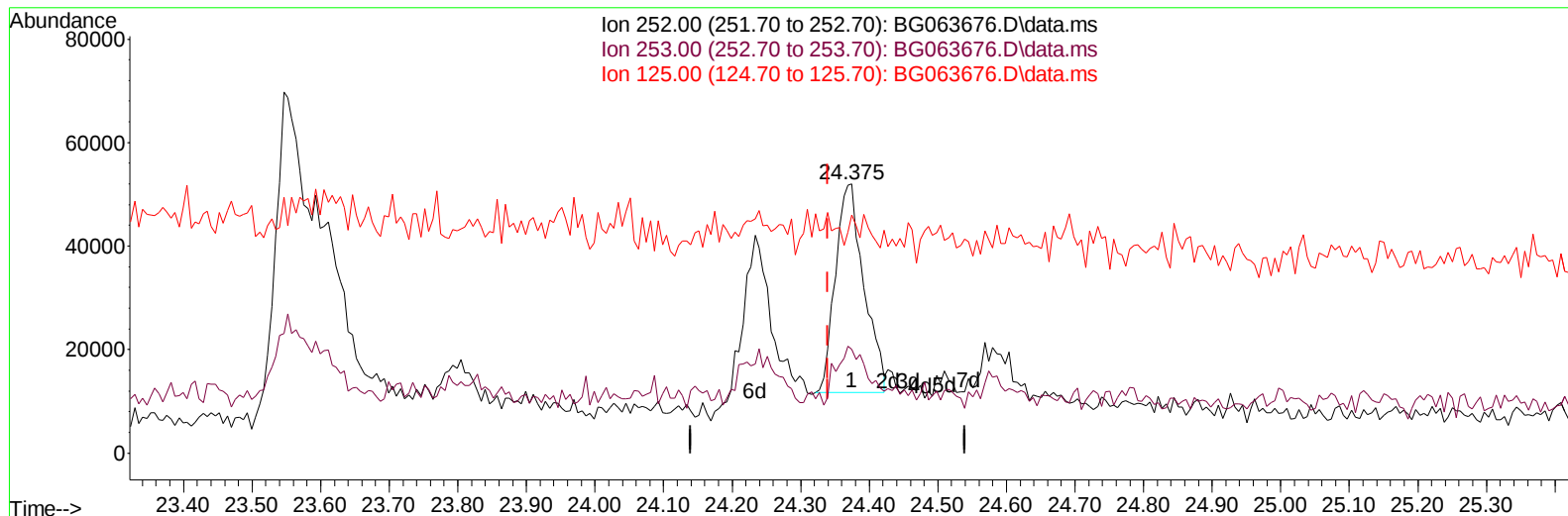
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(93) Benzo(a)pyrene (C)

24.375min (+ 0.035) 3.54 ng/u1

response 115845

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	38.52#
125.00	10.00	88.58#
0.00	0.00	0.00

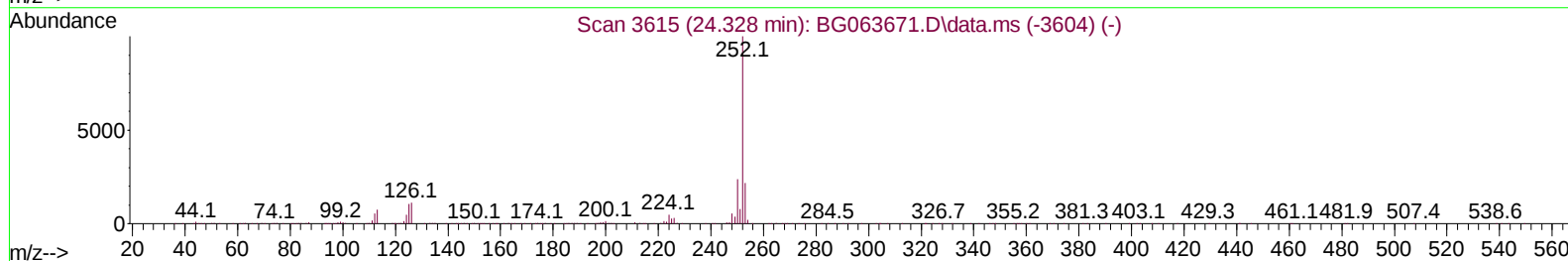
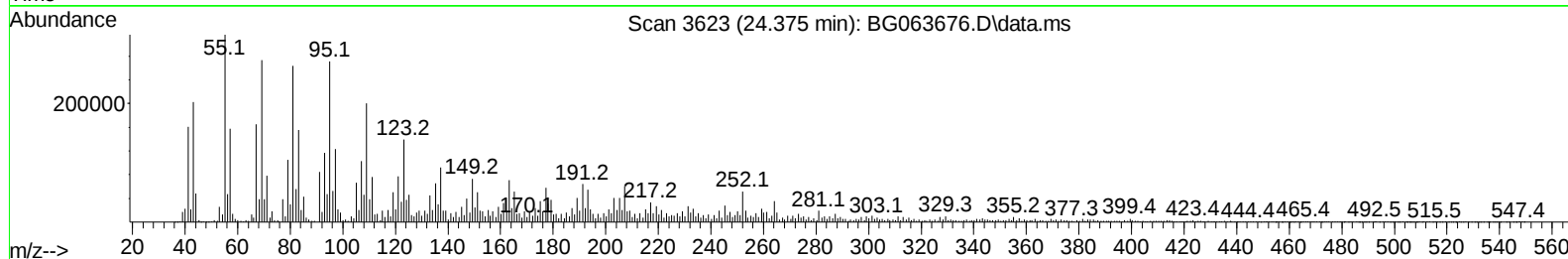
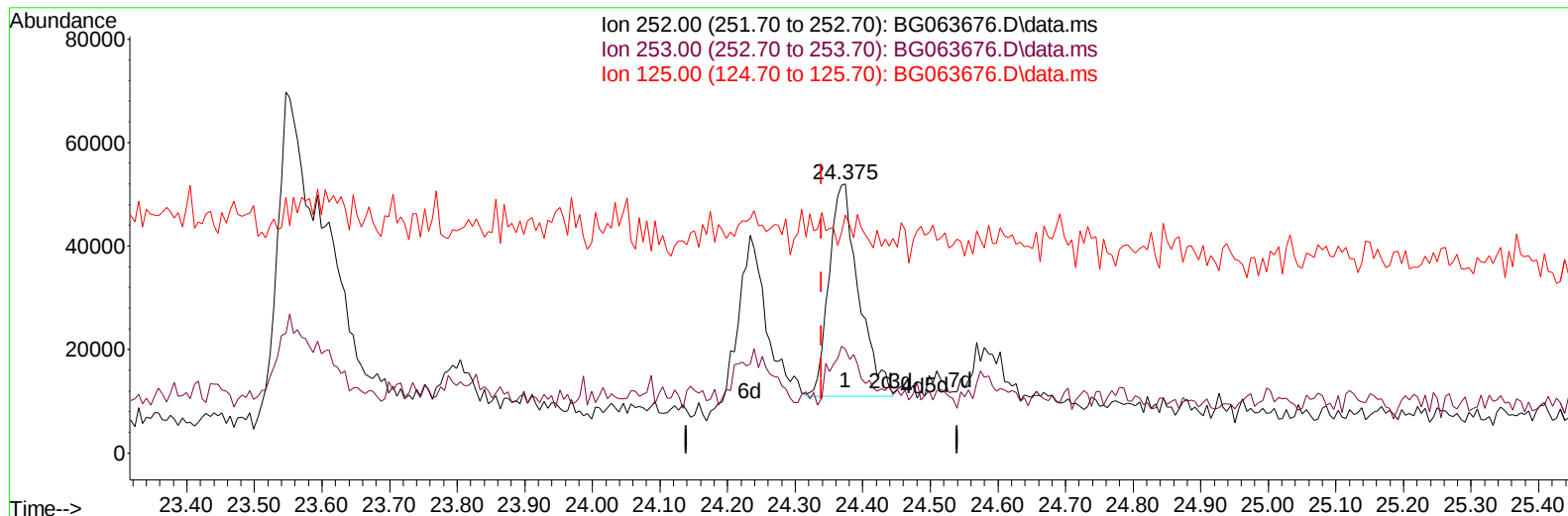
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

(93) Benzo(a)pyrene (C)

24.375min (+ 0.035) 3.82 ng/ul m

response 125173

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	38.52#
125.00	10.00	88.58#
0.00	0.00	0.00

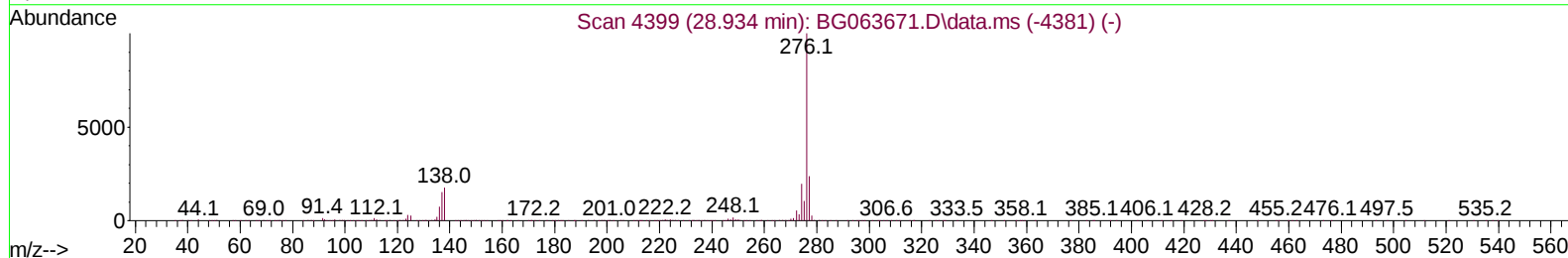
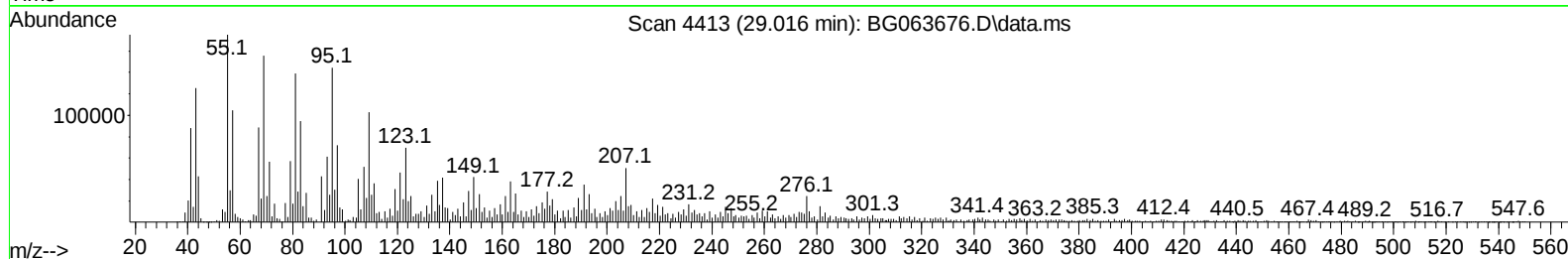
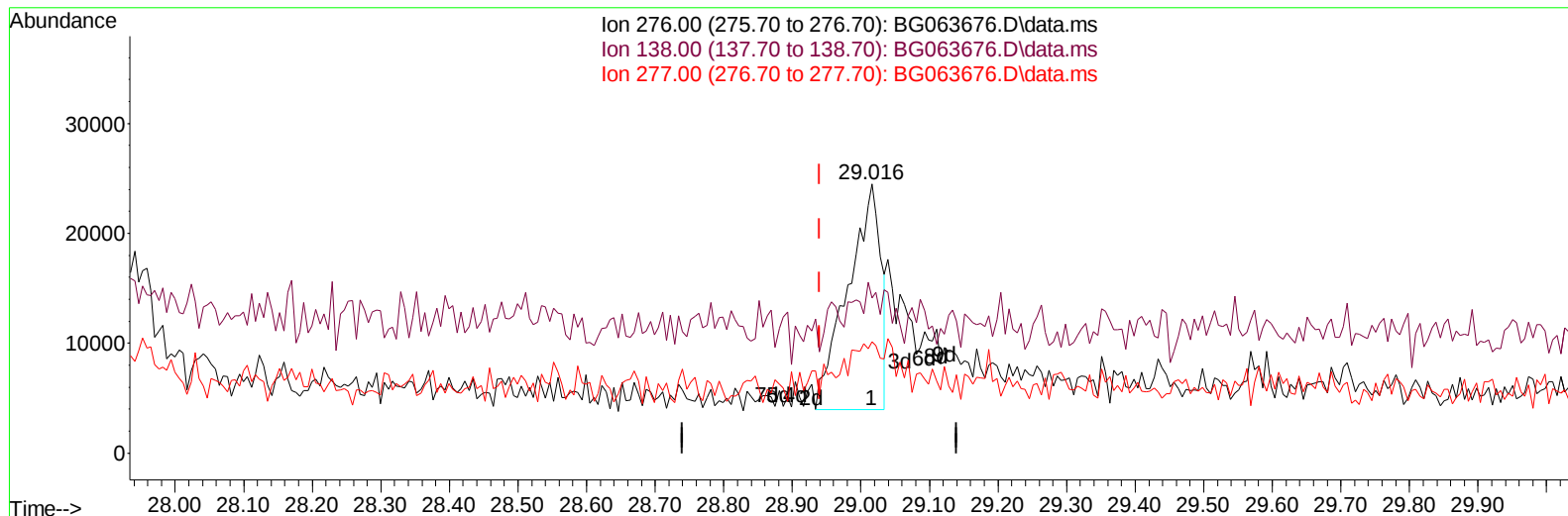
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:37:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

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

29.016min (+ 0.076) 2.17 ng/u1

response 68857

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	57.63#
277.00	22.30	41.28#
0.00	0.00	0.00

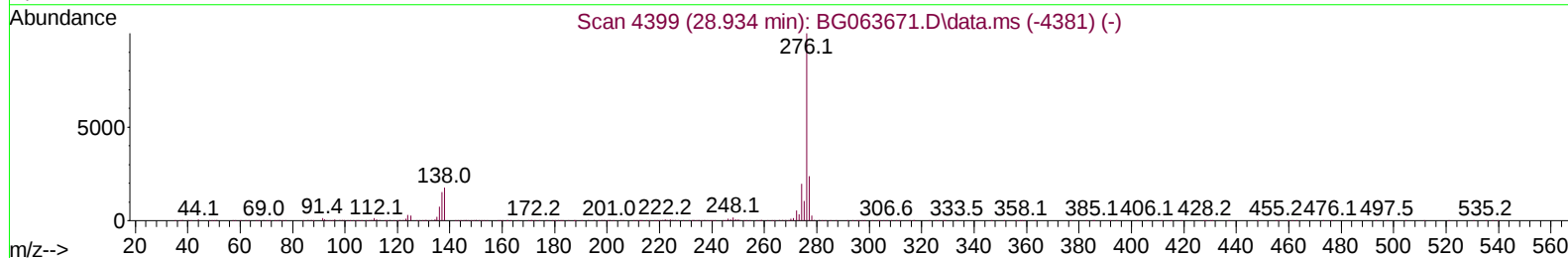
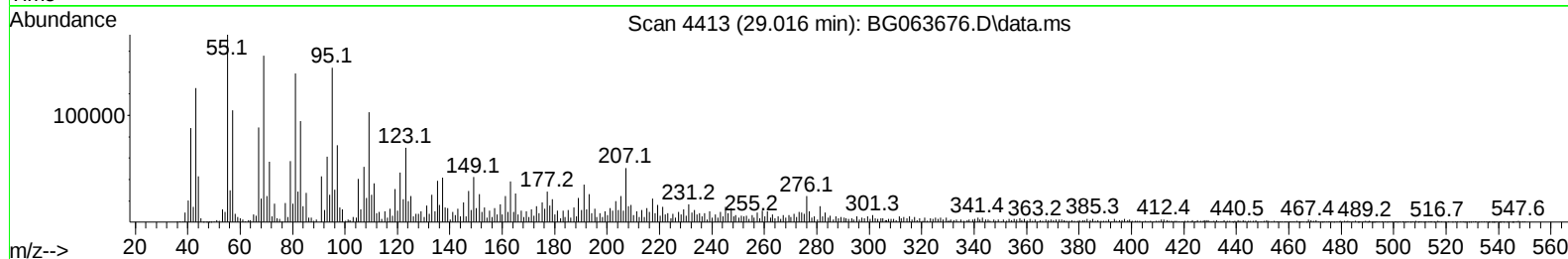
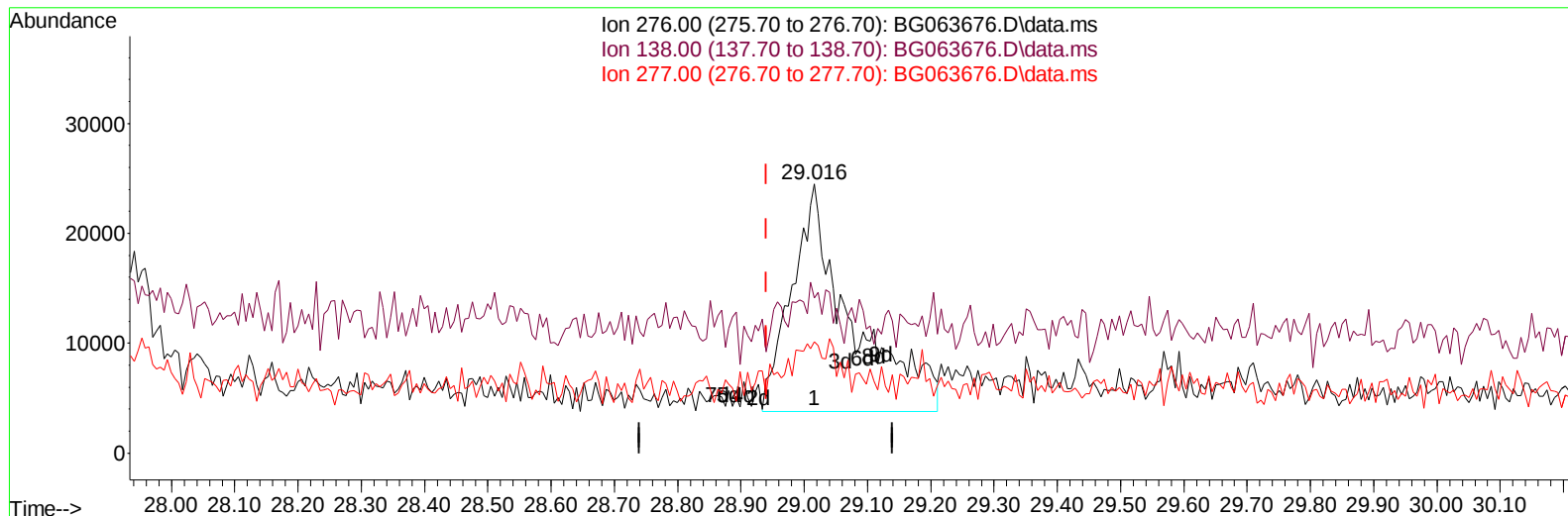
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
Data File : BG063676.D
Acq On : 13 Dec 2024 13:30
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 14 00:07:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BG063676.D\data.ms

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

29.016min (+ 0.076) 4.24 ng/ul m

response 134716

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	57.63#
277.00	22.30	41.28#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
 Data File : BG063676.D
 Acq On : 13 Dec 2024 13:30
 Operator : RC/JU
 Sample : P5232-19
 Misc :
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Manual IntegrationsAPPROVED

Quant Time: Dec 14 01:26:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.817	152		220787	20.000	ng/ul	0.00
20) Naphthalene-d8	10.608	136		870484	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.457	164		586378	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.212	188		1121748	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.466	240		968851	20.000	ng/ul	# 0.00
88) Perylene-d12	24.516	264		614023	20.000	ng/ul	0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.282	96		16810	2.984	ng/uL	0.00
4) Pyridine-d5	3.699	84		272467	15.330	ng/ul	0.01
7) Phenol-d5	7.018	99		453119	22.284	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.148	67		289176	20.590	ng/ul	0.00
11) 2-Chlorophenol-d4	7.365	132		304247	23.111	ng/ul	0.02
15) 4-Methylphenol-d8	8.546	113		311914	19.757	ng/ul	0.02
21) Nitrobenzene-d5	8.969	128		76947	12.380	ng/ul	0.00
24) 2-Nitrophenol-d4	9.686	143		8889	1.276	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.250	165		316785	23.485	ng/ul	0.02
31) 4-Chloroaniline-d4	10.749	131		169530	9.898	ng/ul	0.00
46) Dimethylphthalate-d6	13.863	166		1047869	26.262	ng/ul	0.00
49) Acenaphthylene-d8	14.151	160		1142840	25.126	ng/ul	0.00
54) 4-Nitrophenol-d4	14.727	143		19693m	3.483	ng/ul	0.05
60) Fluorene-d10	15.456	176		869422	24.645	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200		698	0.120	ng/ul	0.00
73) Anthracene-d10	17.306	188		1304403	27.047	ng/ul	0.00
81) Pyrene-d10	19.610	212		1395850	27.686	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.304	264		822463m	28.523	ng/ul	0.03
Target Compounds							
						Qvalue	
8) Phenol	7.048	94		51526m	2.378	ng/ul	
18) 4-Methylphenol	8.605	108		19244	1.123	ng/ul	98
30) Naphthalene	10.655	128		107474	2.469	ng/ul#	94
36) 2-Methylnaphthalene	12.271	142		40303	1.288	ng/ul	99
61) Fluorene	15.508	166		39492	1.015	ng/ul#	96
72) Phenanthrene	17.253	178		168554	3.118	ng/ul	97
74) Anthracene	17.342	178		133650m	2.443	ng/ul	
80) Fluoranthene	19.275	202		215649	3.763	ng/ul	99
82) Pyrene	19.639	202		247661	4.062	ng/ul#	92
85) Benzo(a)anthracene	21.449	228		144305	2.377	ng/ul#	74
87) Chrysene	21.507	228		202706	3.503	ng/ul#	72
90) Benzo(b)fluoranthene	23.546	252		197232	5.652	ng/ul#	35
91) Benzo(k)fluoranthene	23.593	252		123409m	3.545	ng/ul	
93) Benzo(a)pyrene	24.375	252		125173m	3.821	ng/ul	
96) Benzo(g,h,i)perylene	29.016	276		134716m	4.244	ng/ul	

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

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