

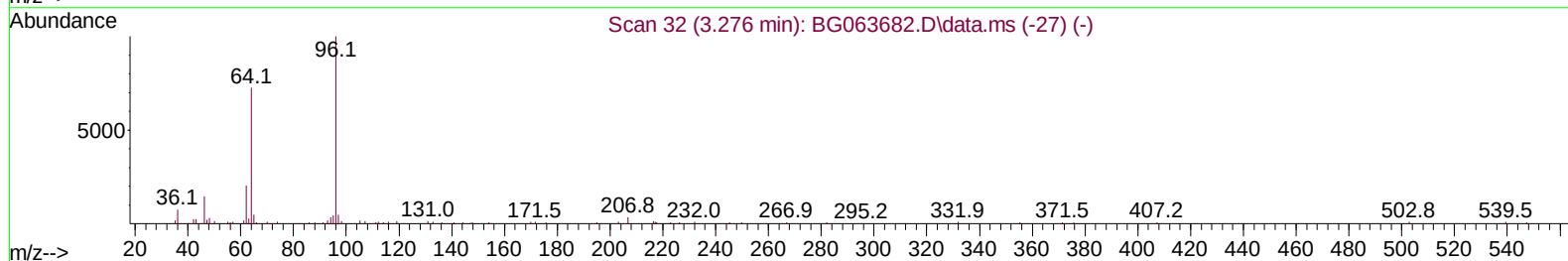
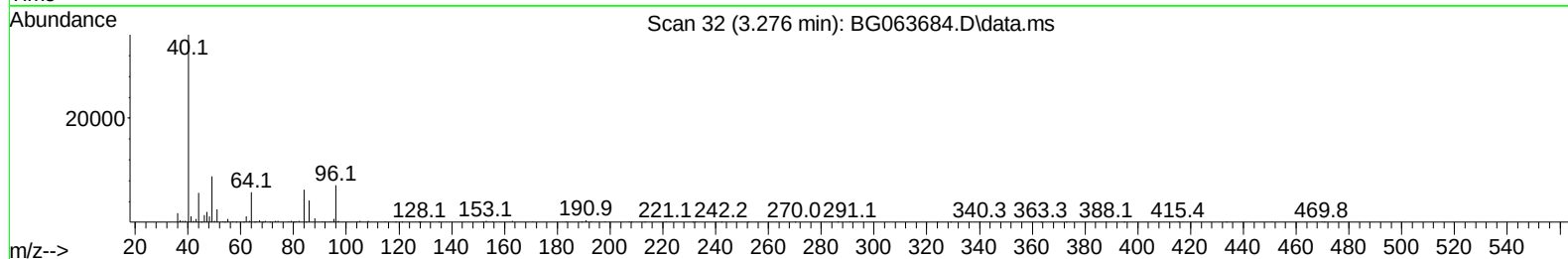
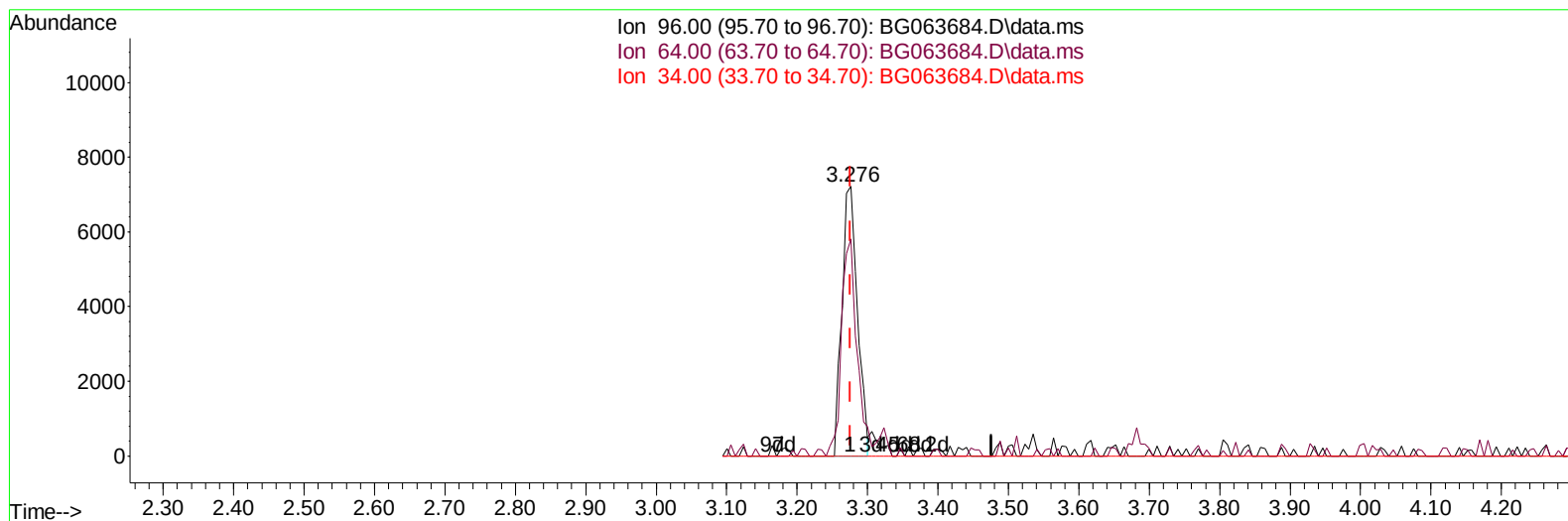
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.276min (+ 0.000) 2.58 ng/uL

response 10910

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	80.57
34.00	0.00	0.00
0.00	0.00	0.00

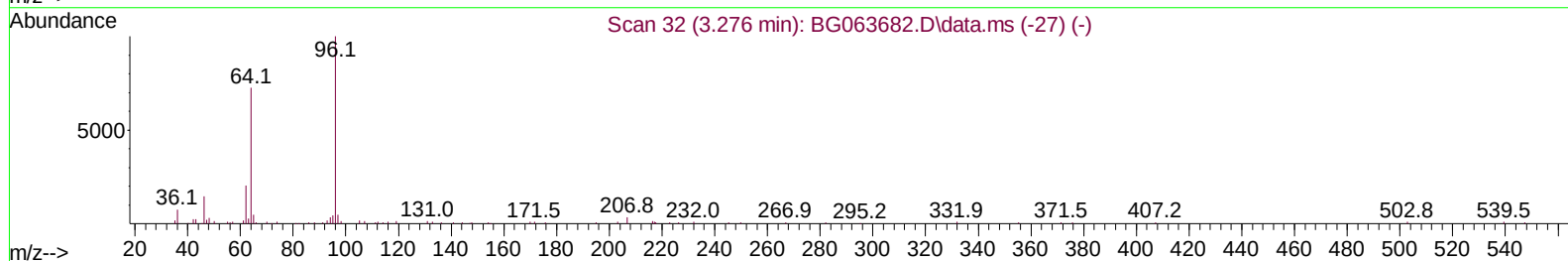
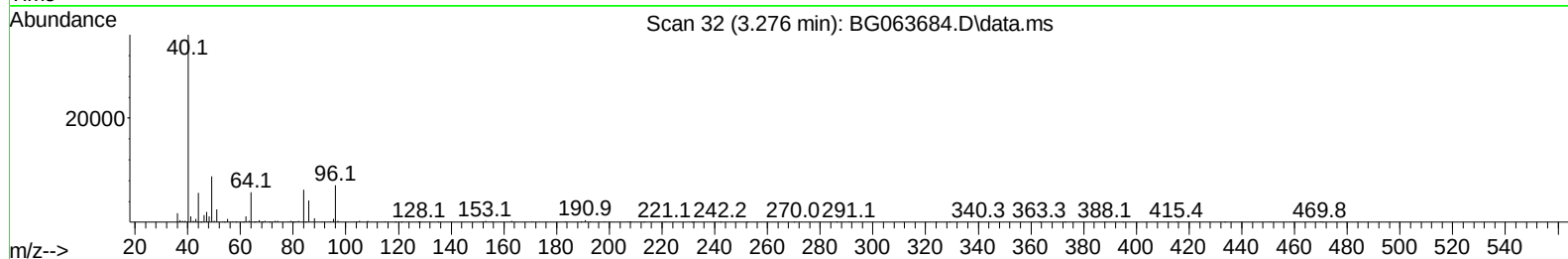
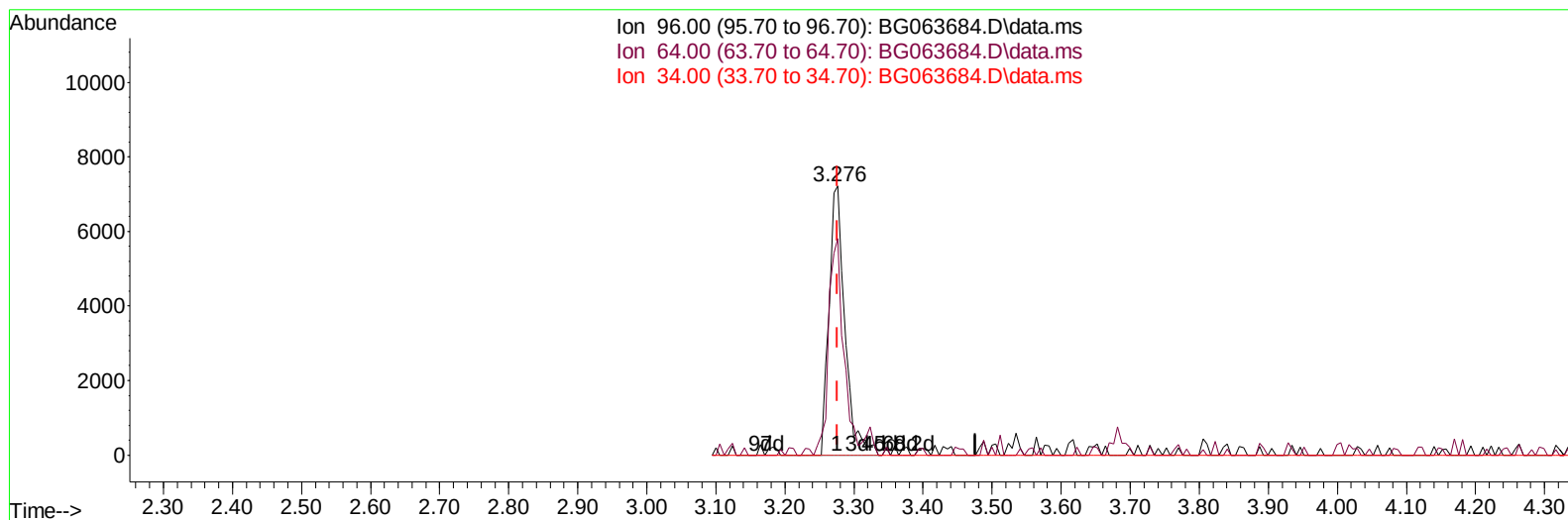
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 2024
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Quant Title : SVOA CALIBRATION
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Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.276min (+ 0.000) 2.74 ng/uL m

response 11574

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	80.57
34.00	0.00	0.00
0.00	0.00	0.00

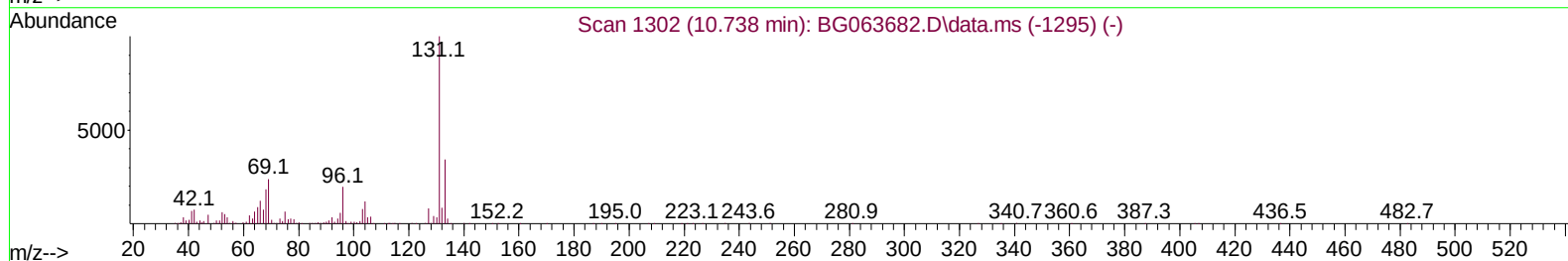
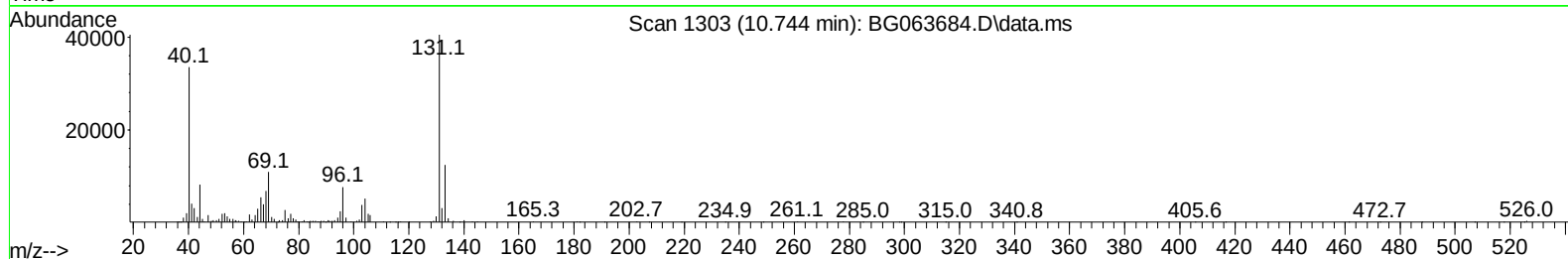
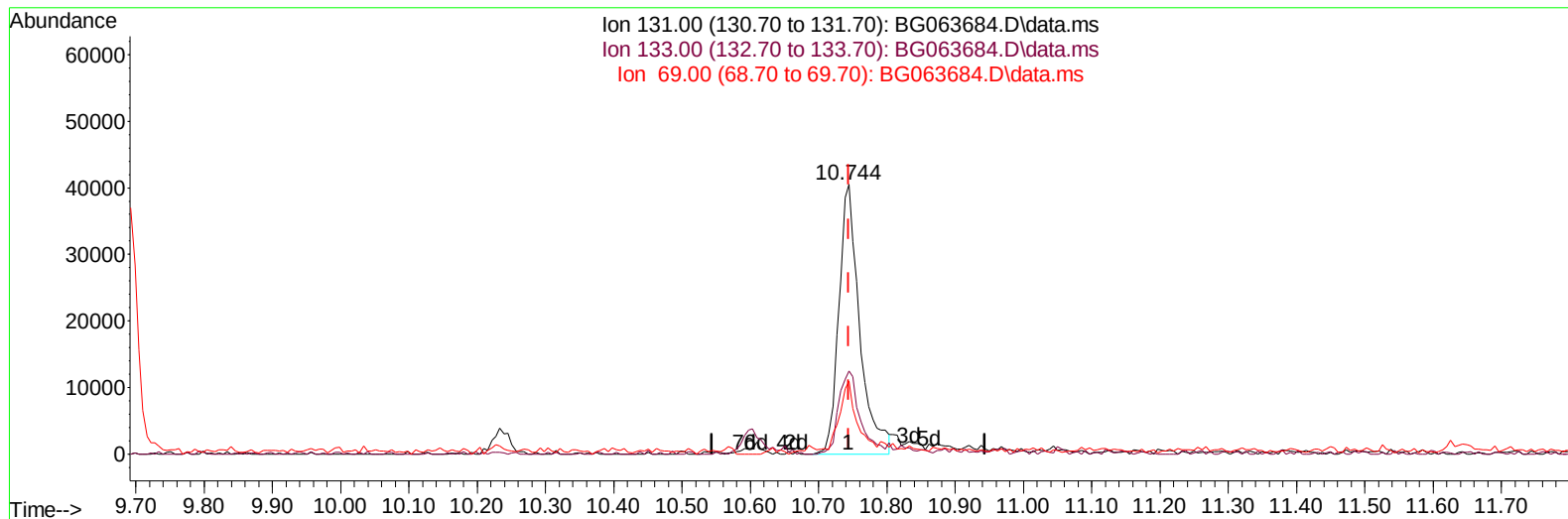
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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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TIC: BG063684.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.744min (+ 0.000) 6.12 ng/ul

response 86173

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.30	30.69
69.00	23.80	27.02
0.00	0.00	0.00

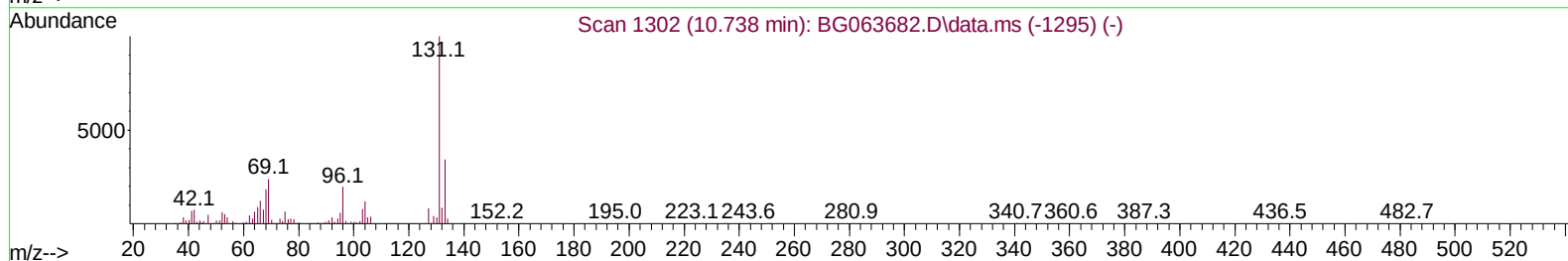
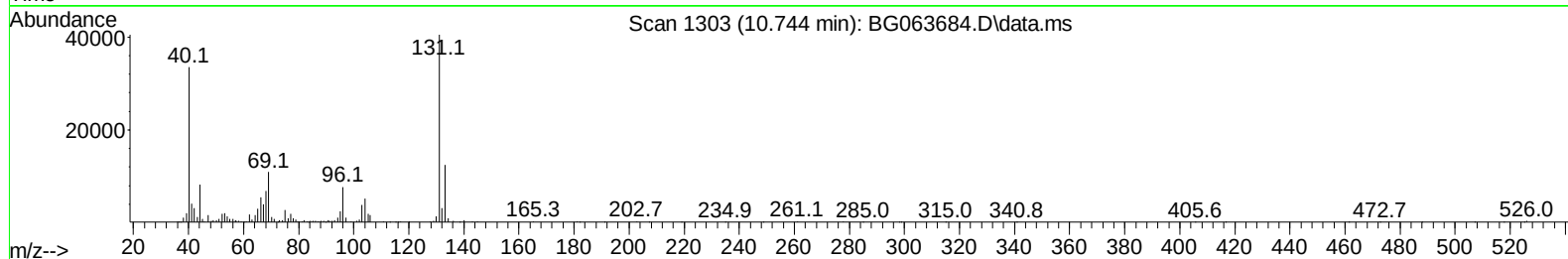
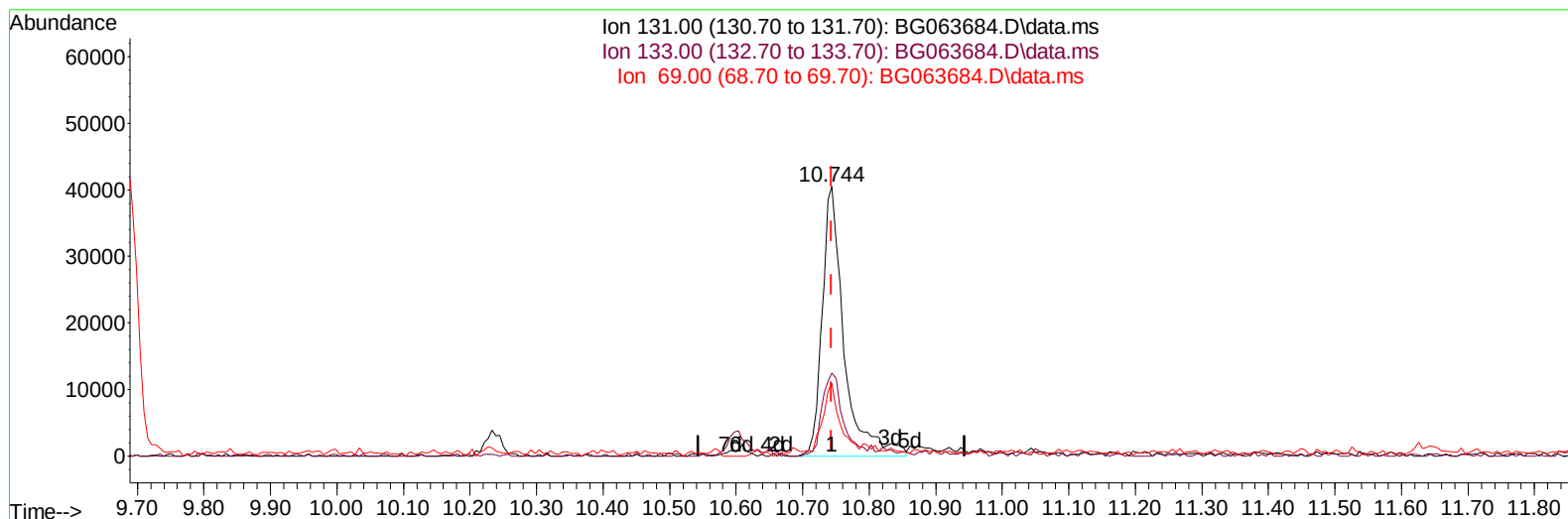
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.744min (+ 0.000) 6.51 ng/ul m

response 91728

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.30	30.69
69.00	23.80	27.02
0.00	0.00	0.00

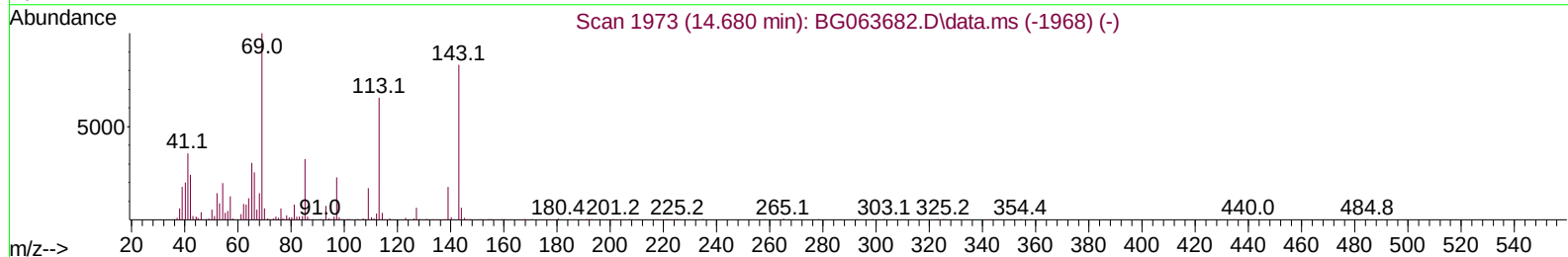
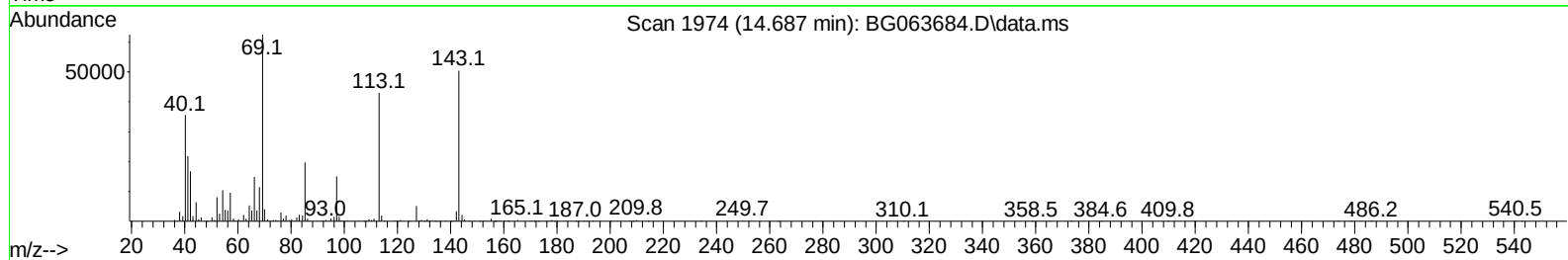
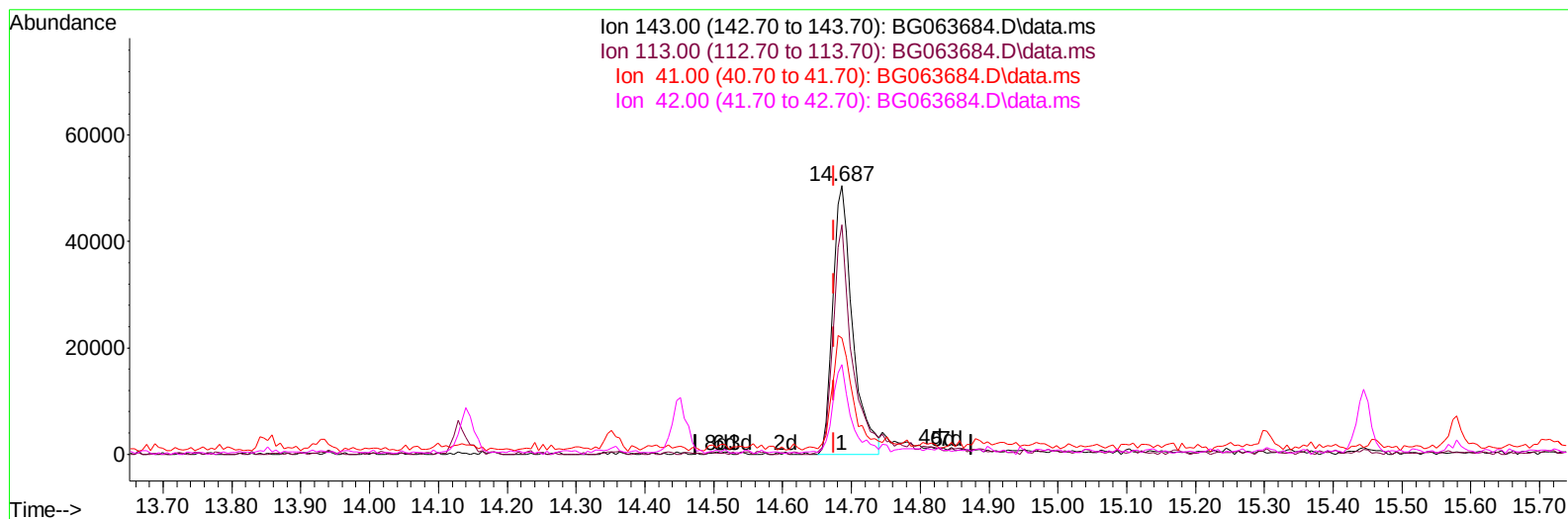
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063684.D
 Acq On : 16 Dec 2024 11:50
 Operator : RC/JU
 Sample : P5232-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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 12/18/2024
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TIC: BG063684.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.687min (+ 0.012) 18.90 ng/ul

response 100824

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	85.39
41.00	48.20	43.33
42.00	26.60	33.44#

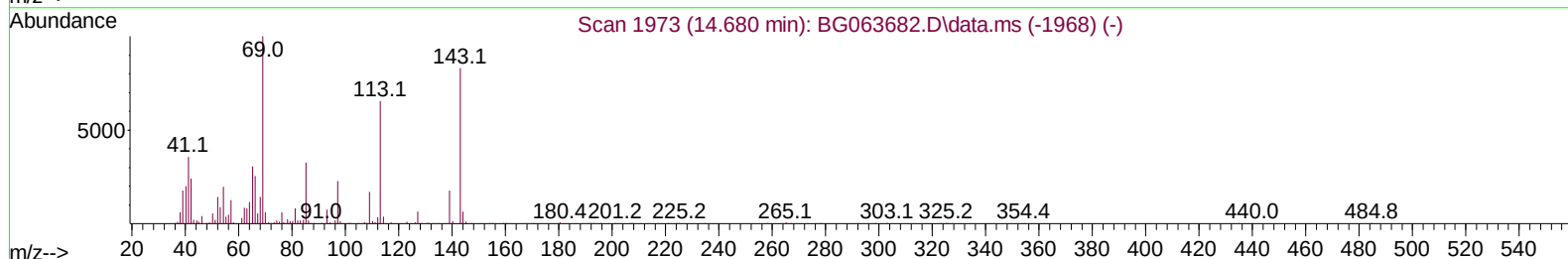
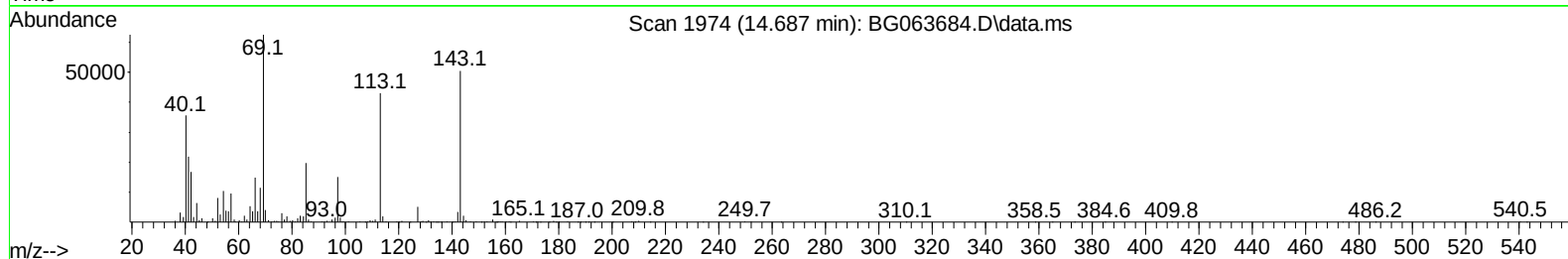
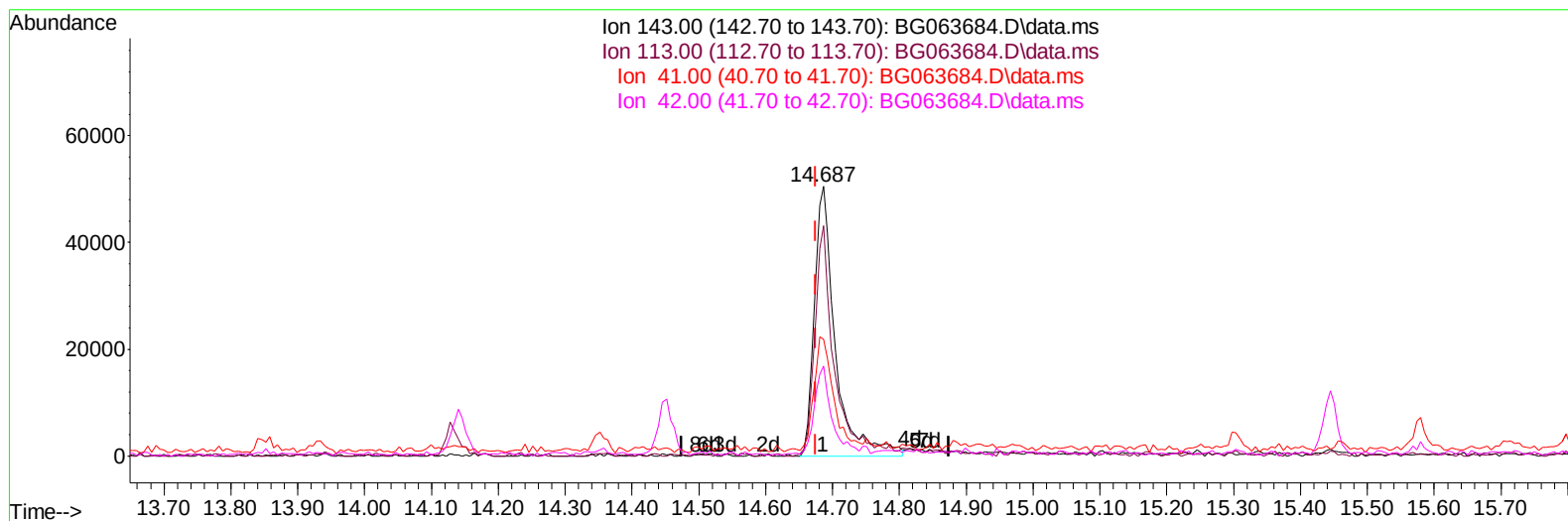
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.687min (+ 0.012) 20.53 ng/ul m

response 109563

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	85.39
41.00	48.20	43.33
42.00	26.60	33.44#

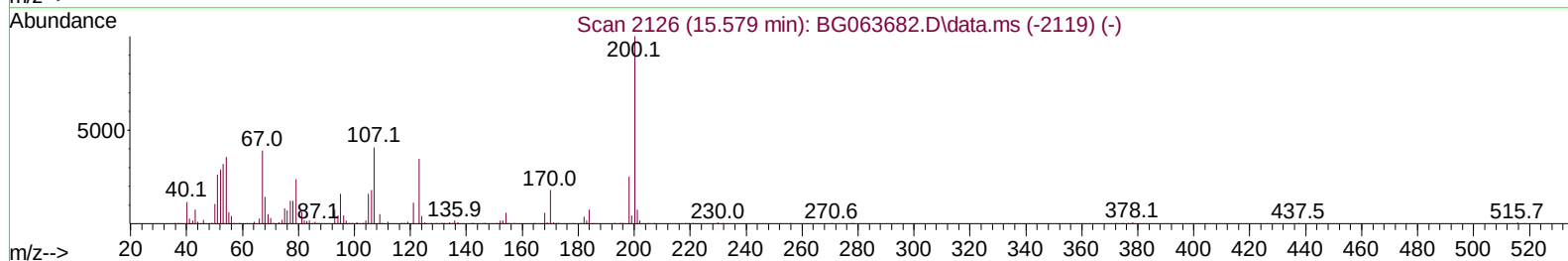
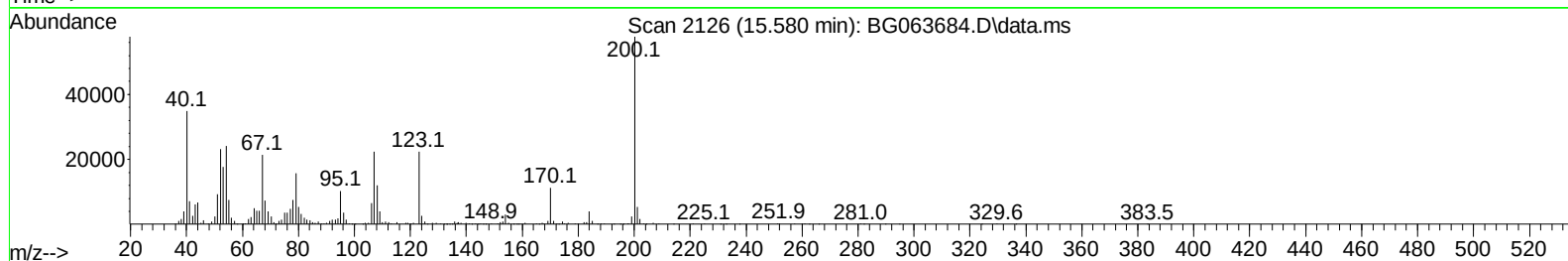
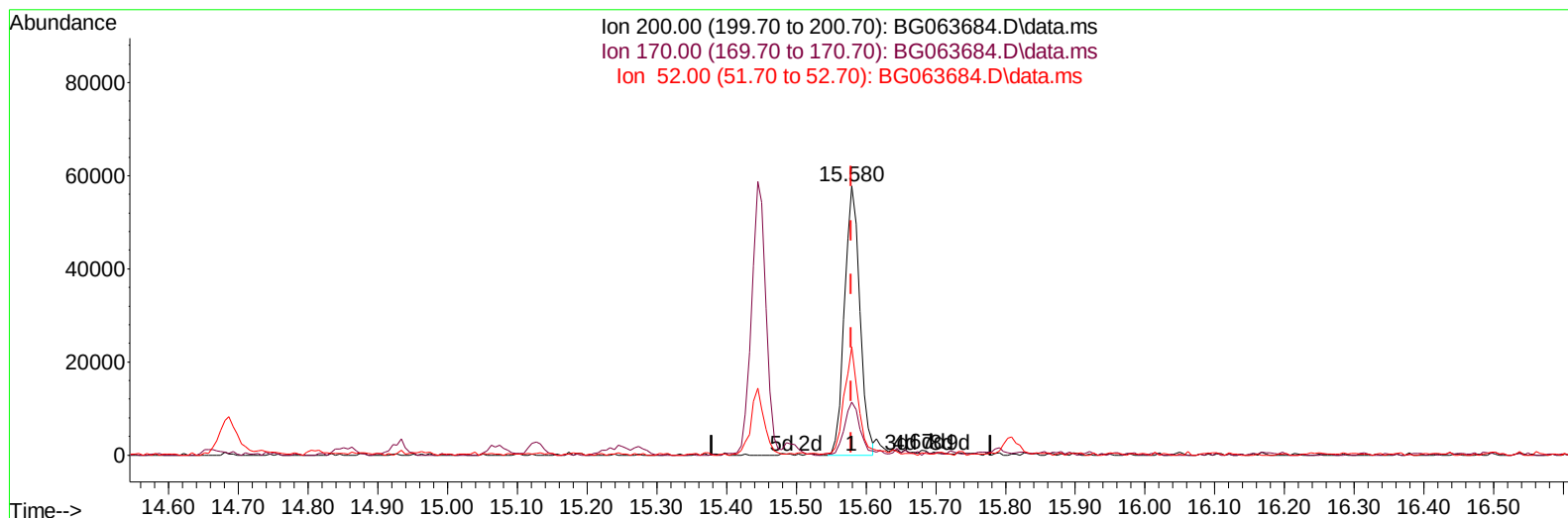
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Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.580min (+ 0.000) 14.16 ng/ul

response 87899

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	19.71
52.00	43.10	40.29
0.00	0.00	0.00

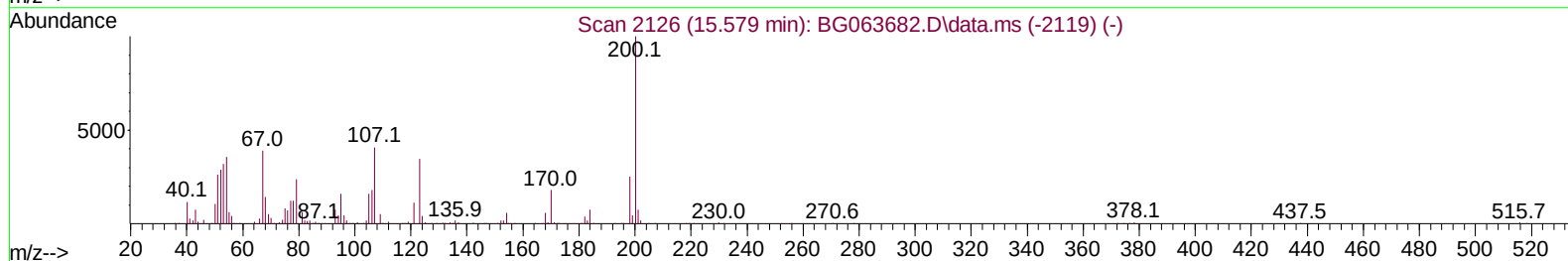
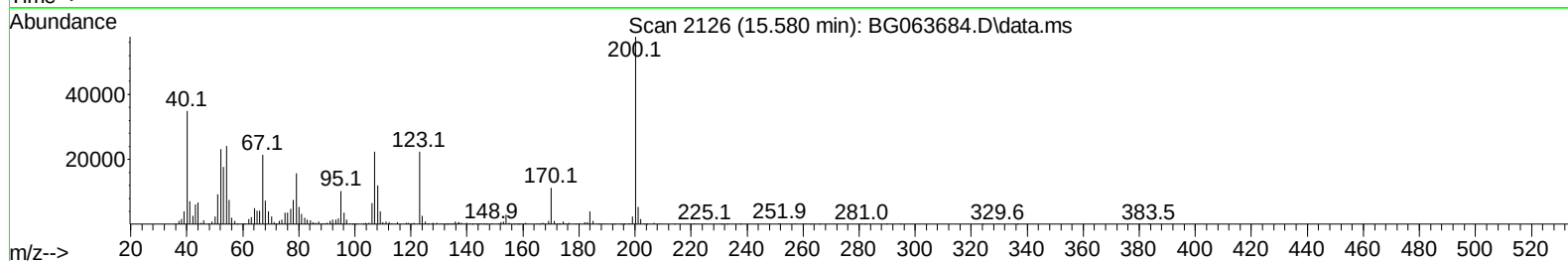
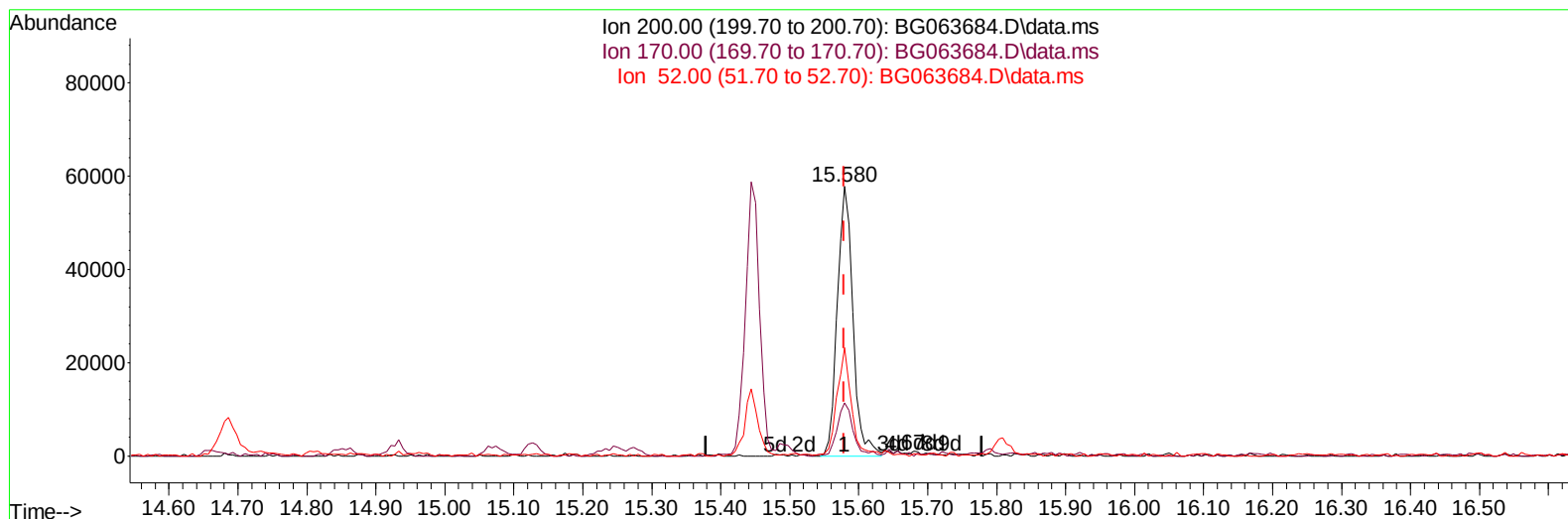
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063684.D
 Acq On : 16 Dec 2024 11:50
 Operator : RC/JU
 Sample : P5232-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:04:38 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 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.580min (+ 0.000) 14.60 ng/ul m

response 90602

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	19.71
52.00	43.10	40.29
0.00	0.00	0.00

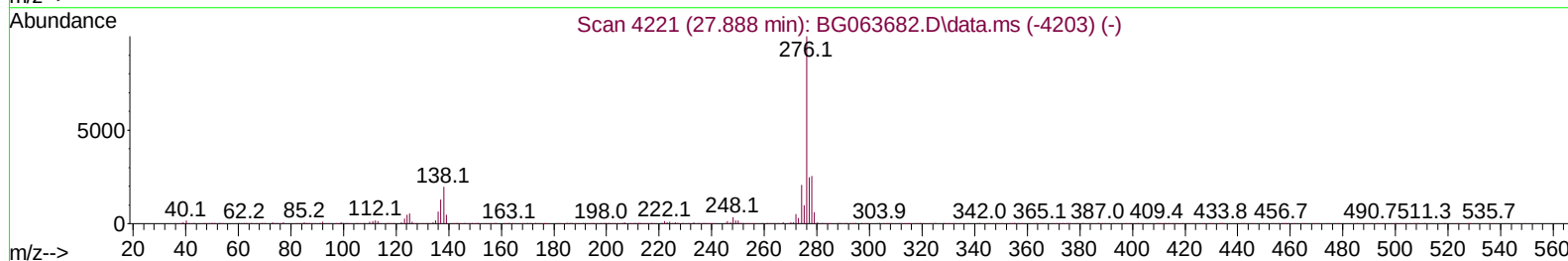
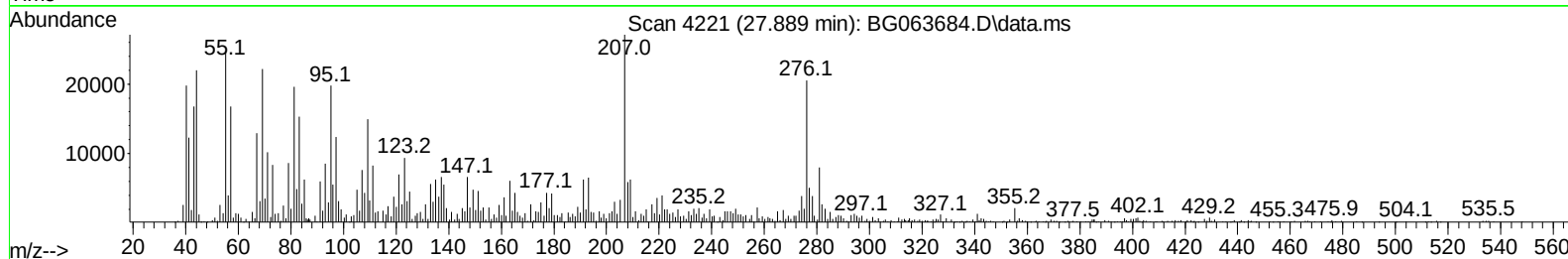
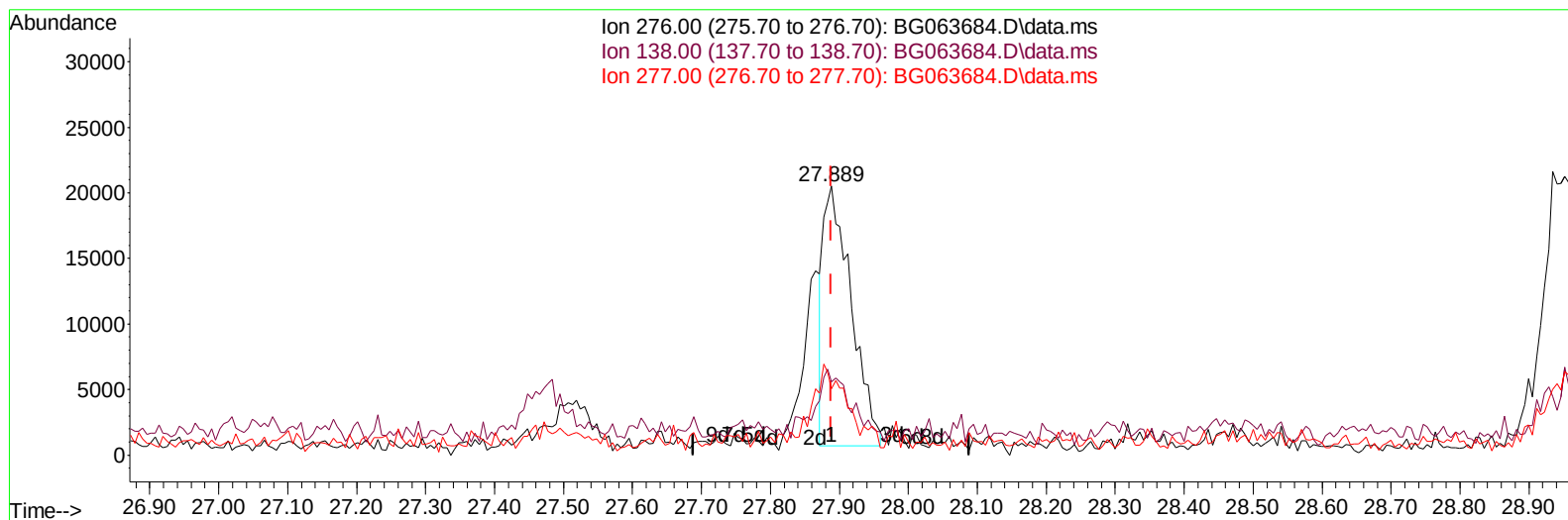
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:08:03 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

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

27.889min (+ 0.000) 0.71 ng/u1

response 55710

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	27.18#
277.00	23.00	24.77
0.00	0.00	0.00

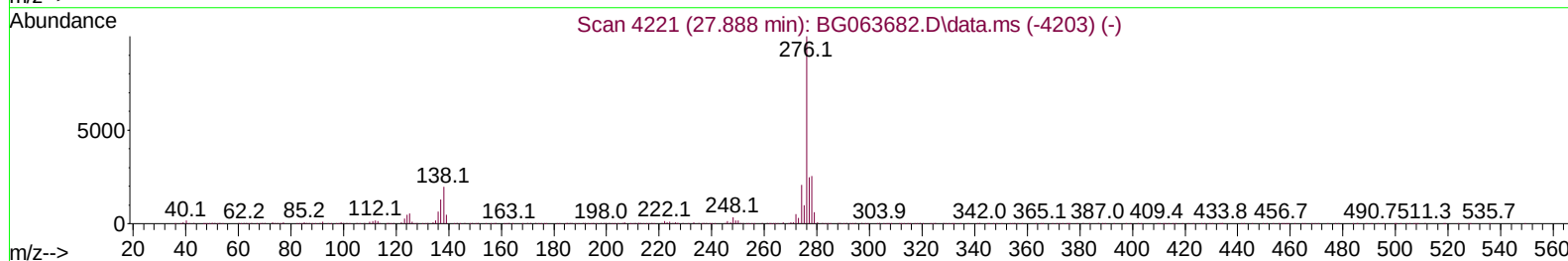
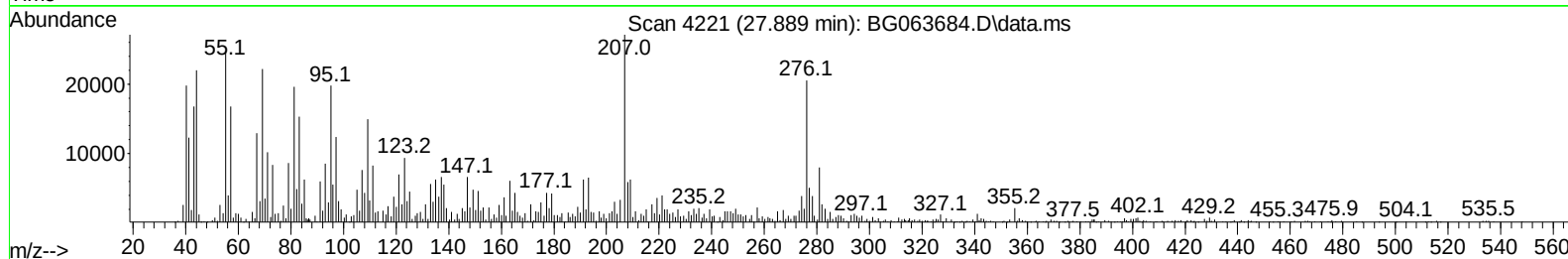
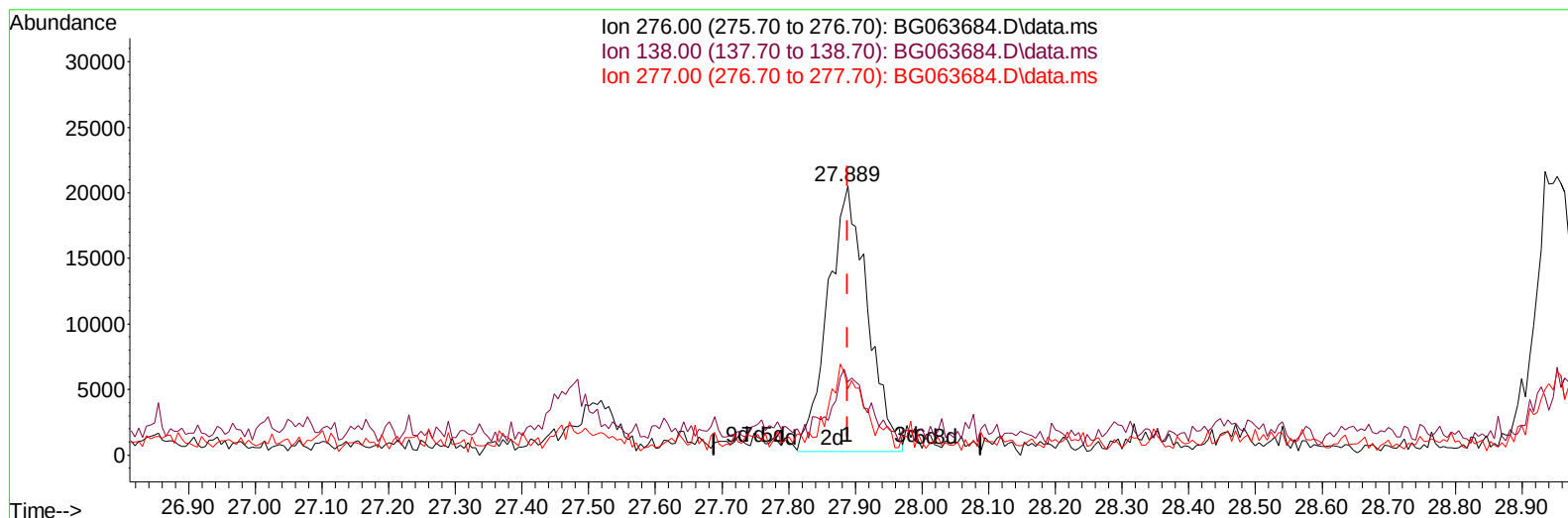
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:08:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
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QLast Update : Wed Dec 11 23:59:23 2024
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TIC: BG063684.D\data.ms

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

27.889min (+ 0.000) 1.07 ng/ul m

response 83524

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	27.18#
277.00	23.00	24.77
0.00	0.00	0.00

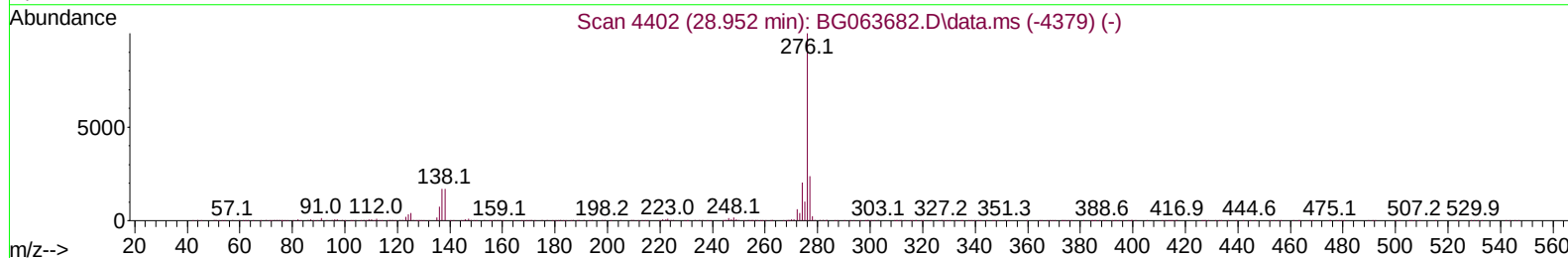
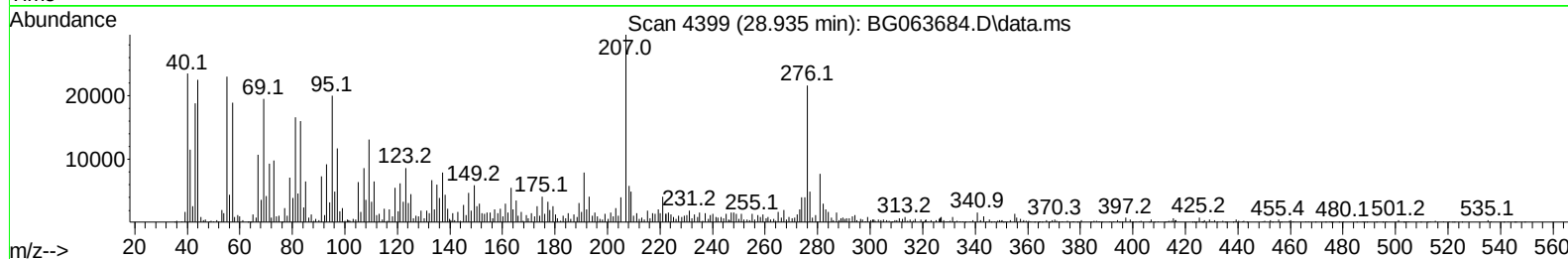
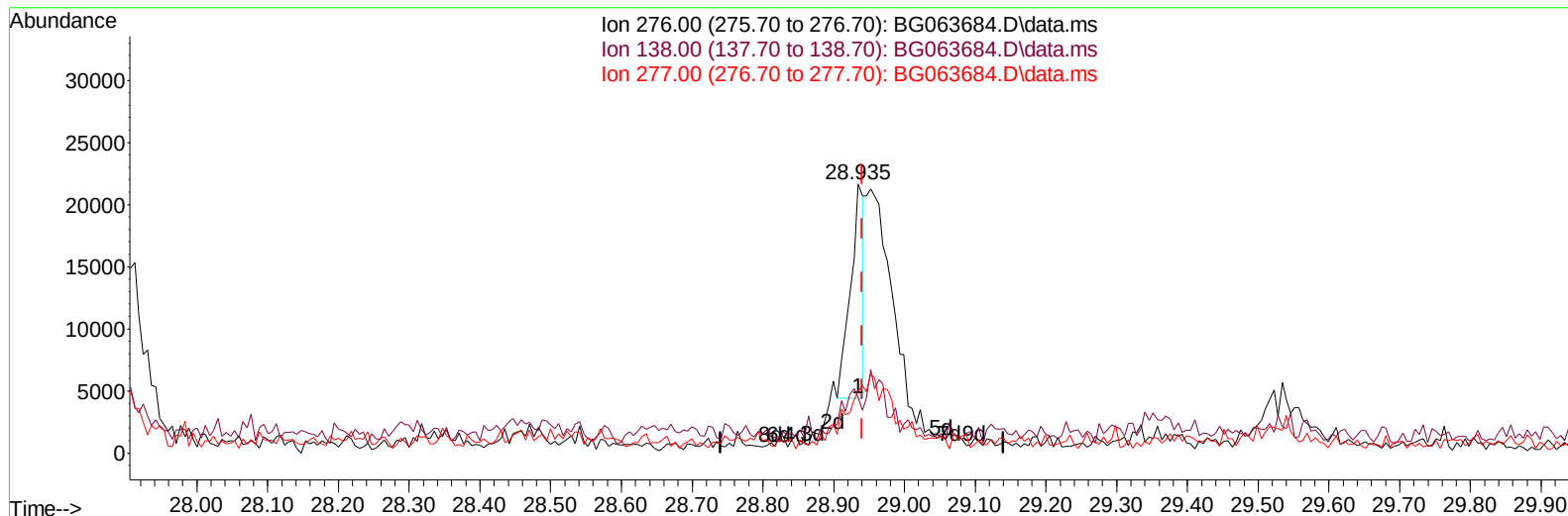
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:08:03 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

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TIC: BG063684.D\data.ms

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

28.935min (-0.005) 0.35 ng/u1

response 21712

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	20.62
277.00	22.30	23.08
0.00	0.00	0.00

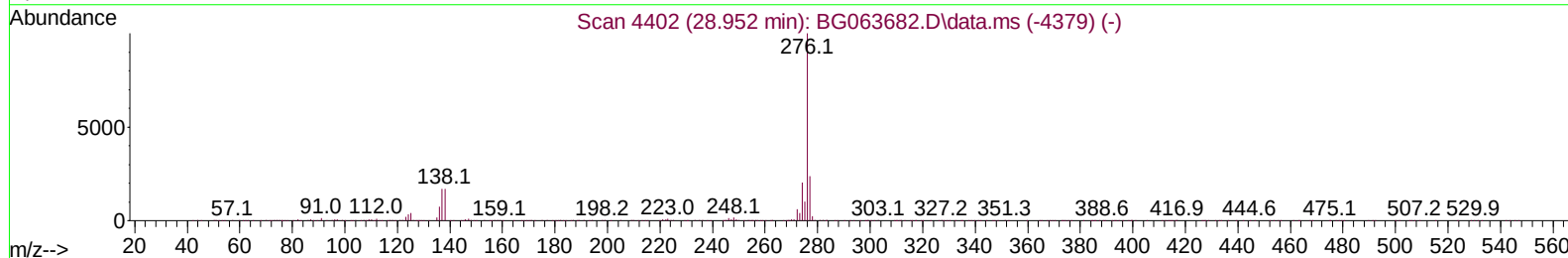
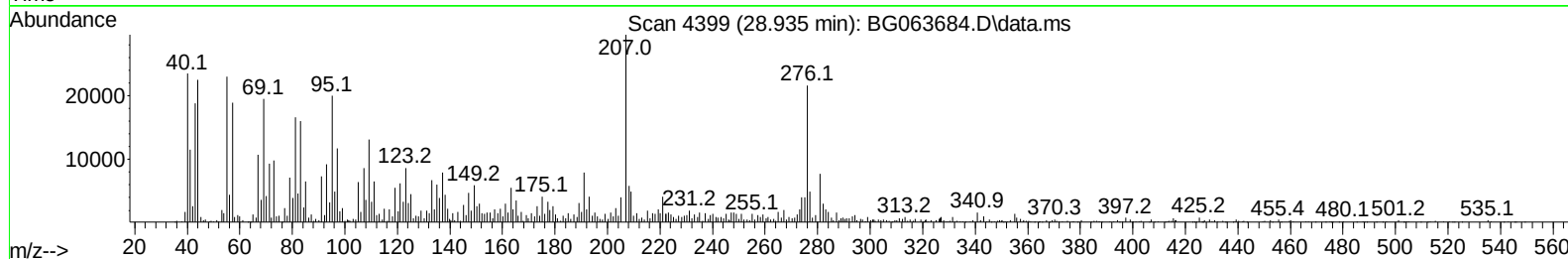
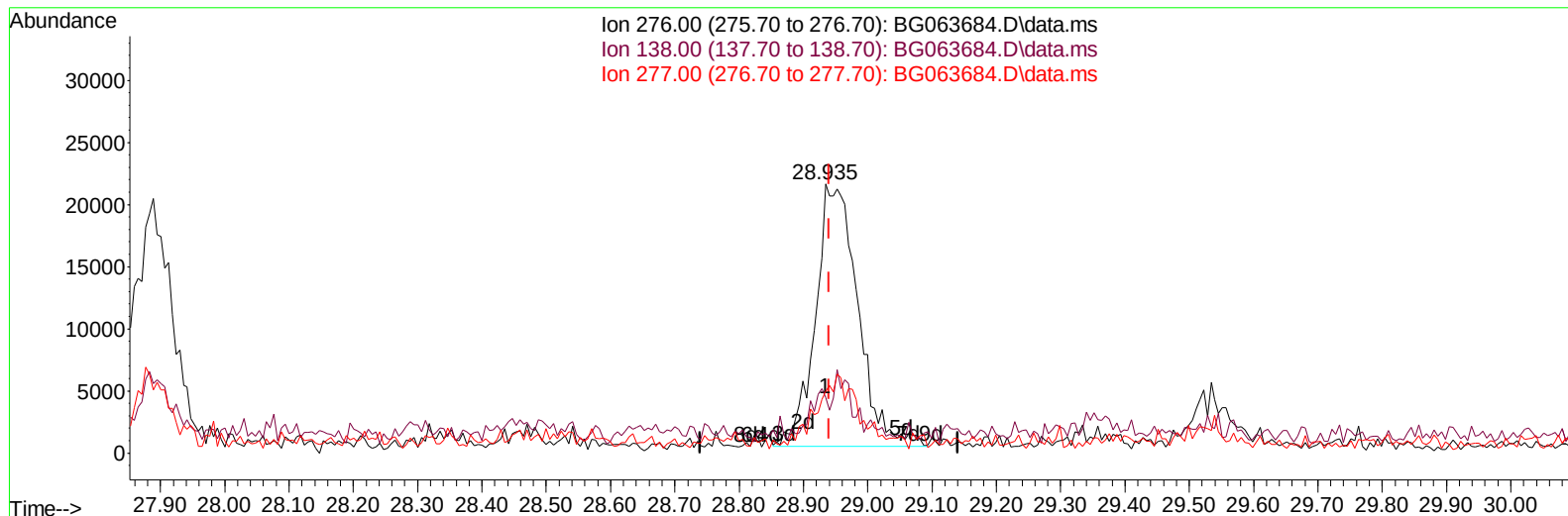
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:08:03 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063684.D\data.ms

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

28.935min (-0.005) 1.55 ng/u1 m

response 96442

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	20.62
277.00	22.30	23.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063684.D
 Acq On : 16 Dec 2024 11:50
 Operator : RC/JU
 Sample : P5232-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:10:39 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 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	165483	20.000	ng/ul	0.00
20) Naphthalene-d8	10.603	136	715874	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.451	164	553458	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.201	188	1195449	20.000	ng/ul	0.00
79) Chrysene-d12	21.449	240	1103650	20.000	ng/ul	-0.01
88) Perylene-d12	24.481	264	1201910	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	11574m	2.741	ng/uL	0.00
4) Pyridine-d5	3.682	84	189942	14.259	ng/ul	0.00
7) Phenol-d5	6.996	99	297839	19.542	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	194359	18.464	ng/ul	0.00
11) 2-Chlorophenol-d4	7.348	132	196939	19.959	ng/ul	0.00
15) 4-Methylphenol-d8	8.529	113	203982	17.239	ng/ul	0.00
21) Nitrobenzene-d5	8.964	128	105609	20.661	ng/ul	0.00
24) 2-Nitrophenol-d4	9.687	143	121418	21.191	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.239	165	238293	21.481	ng/ul	0.00
31) 4-Chloroaniline-d4	10.744	131	91728m	6.512	ng/ul	0.00
46) Dimethylphthalate-d6	13.858	166	811906	21.559	ng/ul	0.00
49) Acenaphthylene-d8	14.140	160	913894	21.288	ng/ul	0.00
54) 4-Nitrophenol-d4	14.687	143	109563m	20.533	ng/ul	0.01
60) Fluorene-d10	15.444	176	720434	21.636	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	90602m	14.597	ng/ul	0.00
73) Anthracene-d10	17.301	188	1117887	21.750	ng/ul	0.00
81) Pyrene-d10	19.598	212	1215831	21.170	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.269	264	1018845	18.051	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.025	94	23129	1.424	ng/ul	95
72) Phenanthrene	17.242	178	94523	1.641	ng/ul	96
80) Fluoranthene	19.264	202	113993	1.746	ng/ul	96
82) Pyrene	19.628	202	111107	1.600	ng/ul#	93
85) Benzo(a)anthracene	21.432	228	70795	1.024	ng/ul#	90
87) Chrysene	21.496	228	93272	1.415	ng/ul#	86
90) Benzo(b)fluoranthene	23.517	252	138791	2.032	ng/ul#	86
93) Benzo(a)pyrene	24.334	252	103176	1.609	ng/ul#	89
94) Indeno(1,2,3-cd)pyrene	27.889	276	83524m	1.067	ng/ul	
96) Benzo(g,h,i)perylene	28.935	276	96442m	1.552	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063684.D
Acq On : 16 Dec 2024 11:50
Operator : RC/JU
Sample : P5232-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28S2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 02:10:39 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 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

