

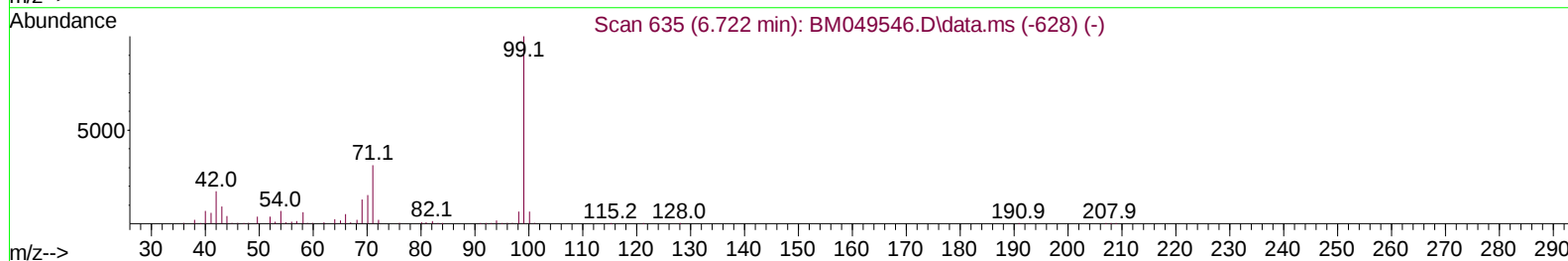
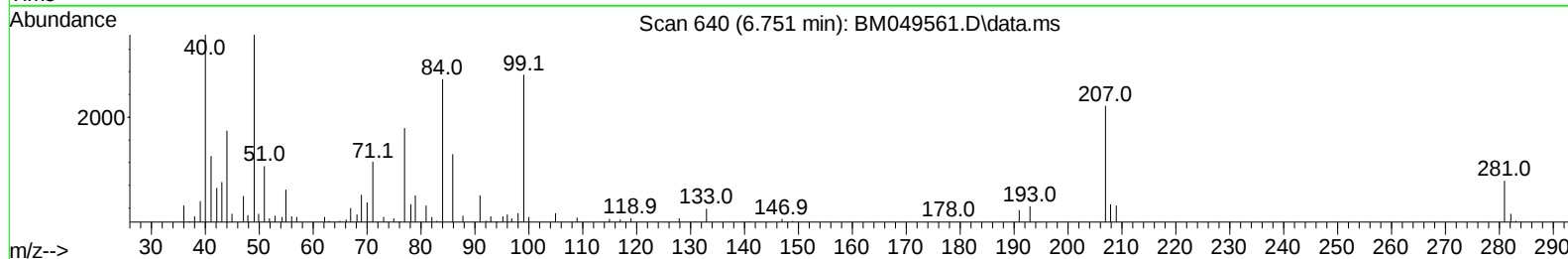
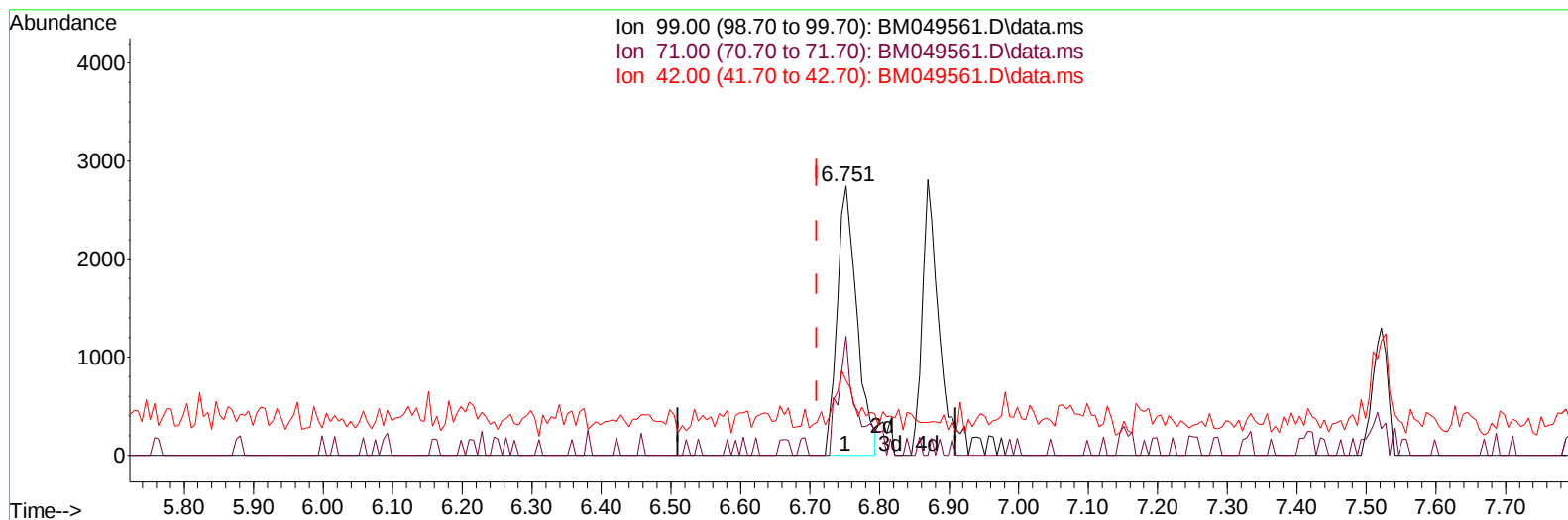
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(7) Phenol-d5 (S)

6.751min (+ 0.041) 0.35 ng/u1

response 5424

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	33.10	44.19#
42.00	19.20	27.61#
0.00	0.00	0.00

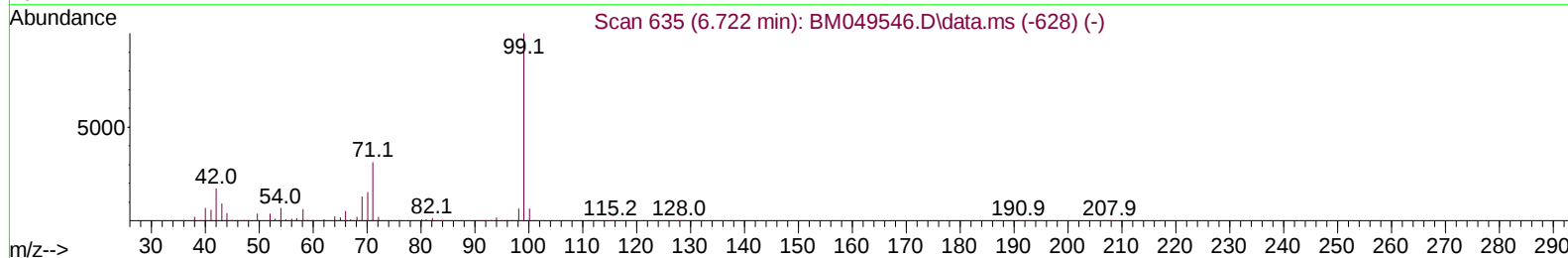
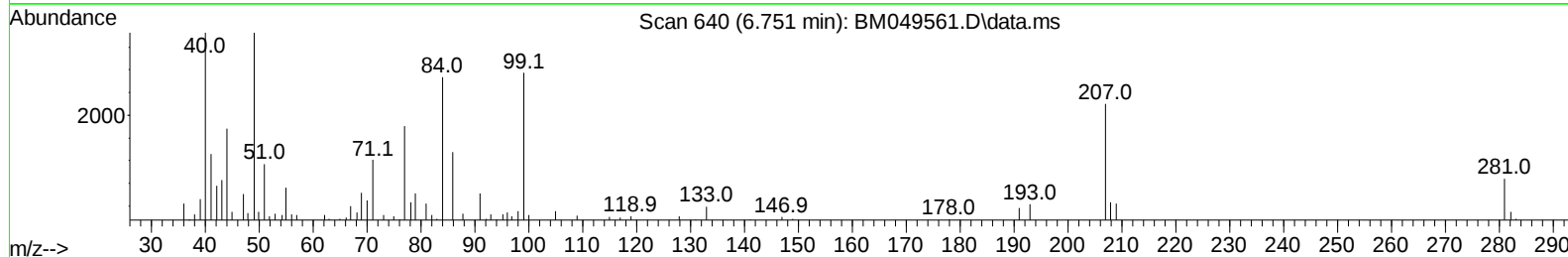
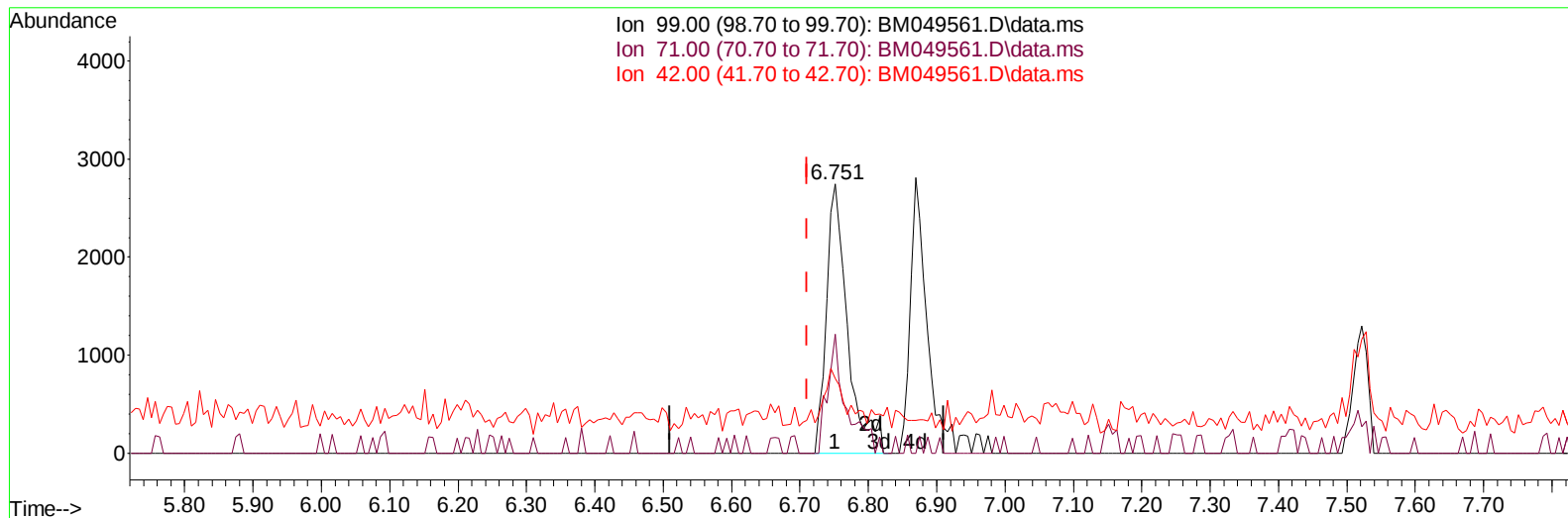
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(7) Phenol-d5 (S)

6.751min (+ 0.041) 0.38 ng/ul m

response 5853

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	33.10	44.19#
42.00	19.20	27.61#
0.00	0.00	0.00

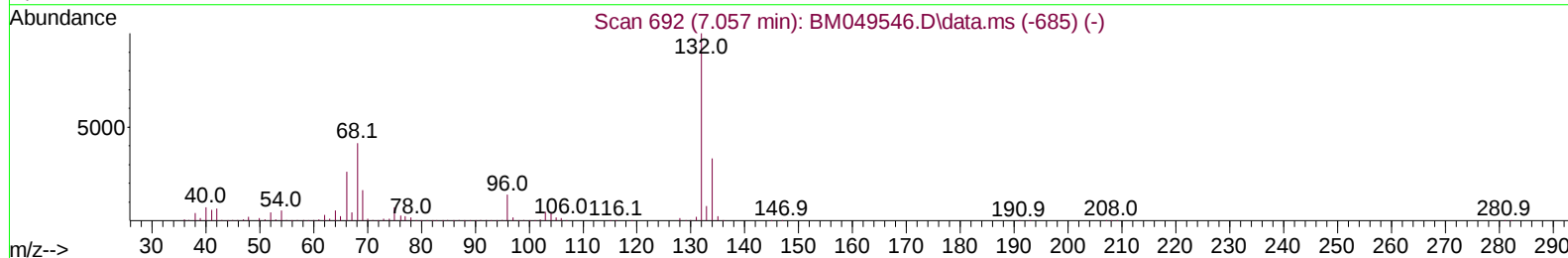
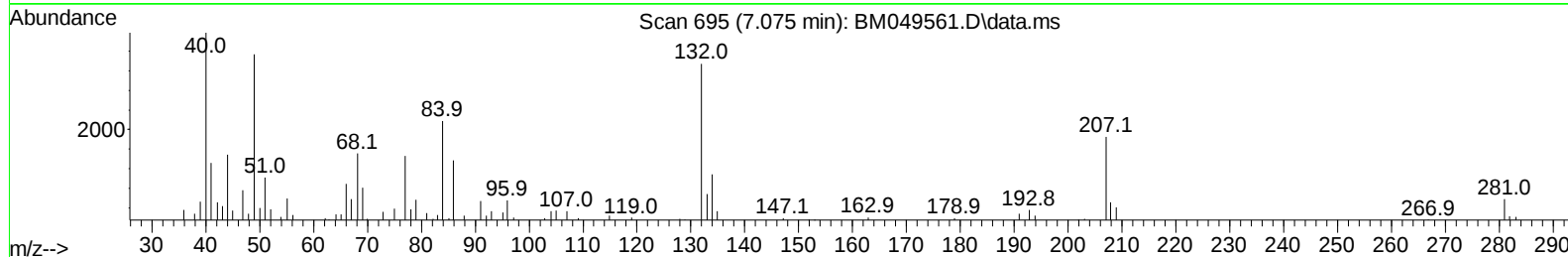
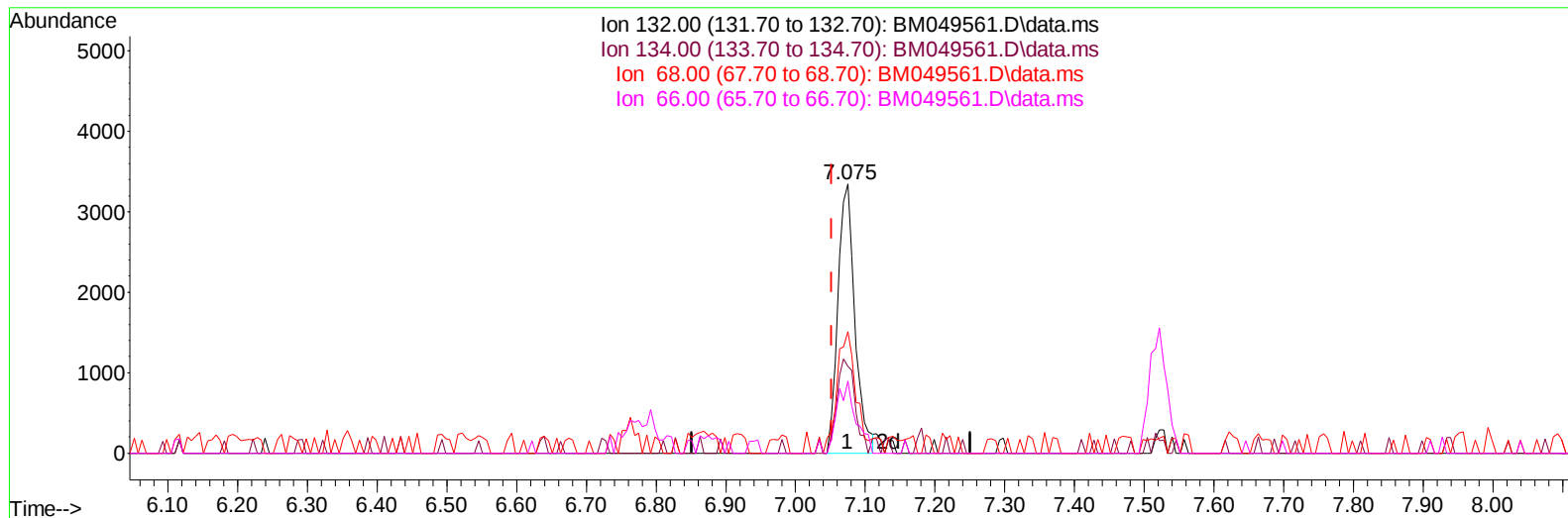
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.075min (+ 0.023) 0.47 ng/u1

response 5637

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	31.20	32.28
68.00	45.30	45.11
66.00	28.20	26.74

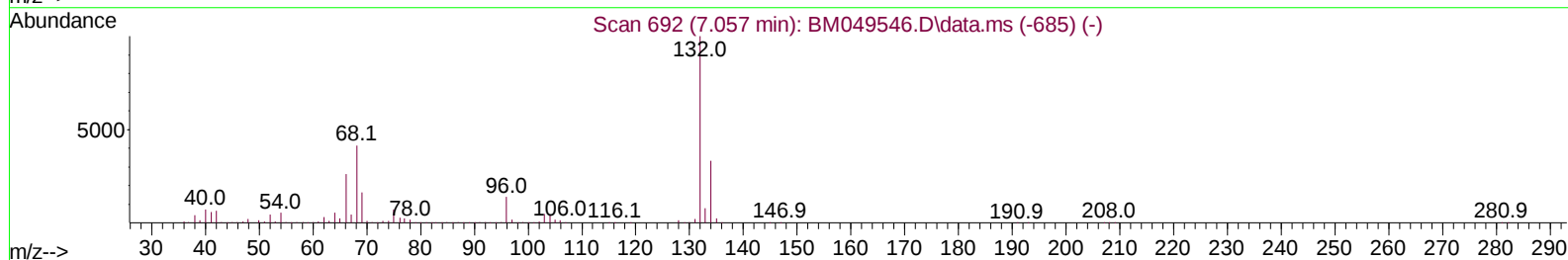
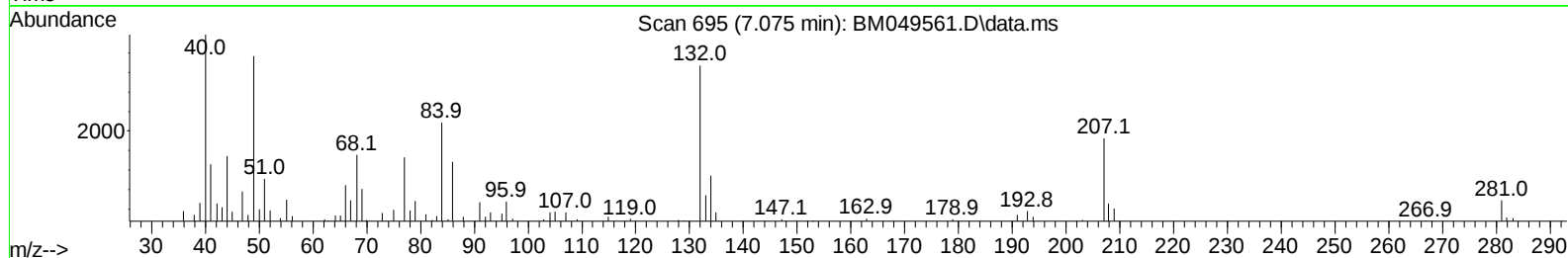
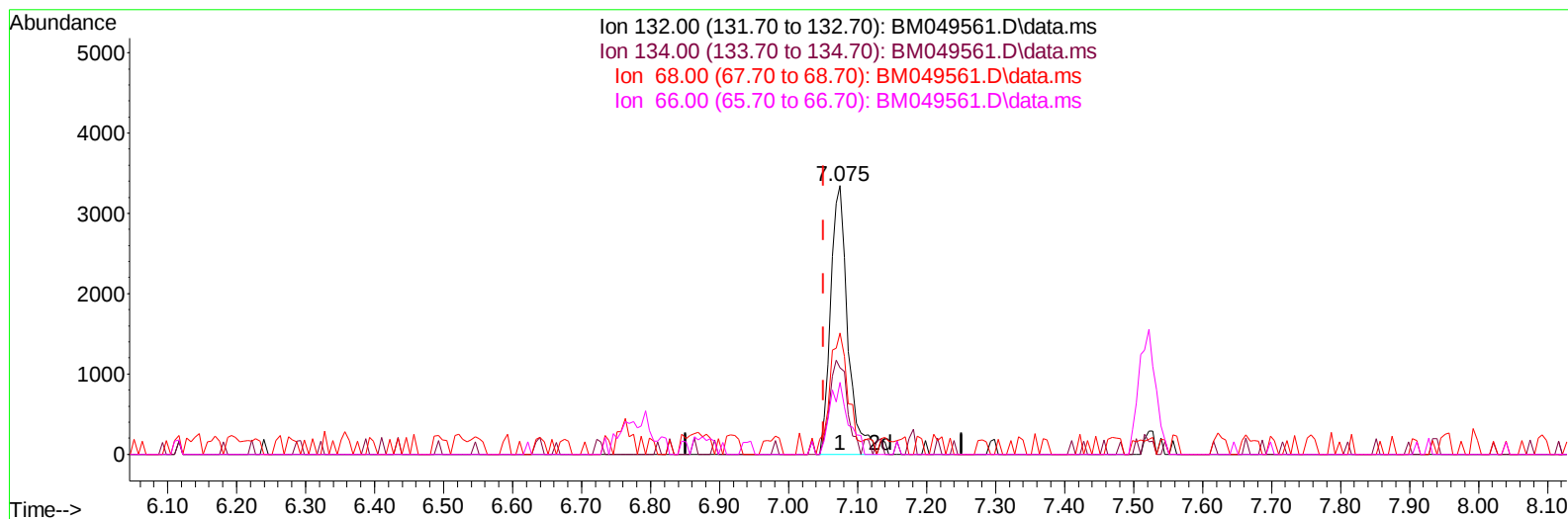
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.075min (+ 0.023) 0.48 ng/ul m

response 5778

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	31.20	32.28
68.00	45.30	45.11
66.00	28.20	26.74

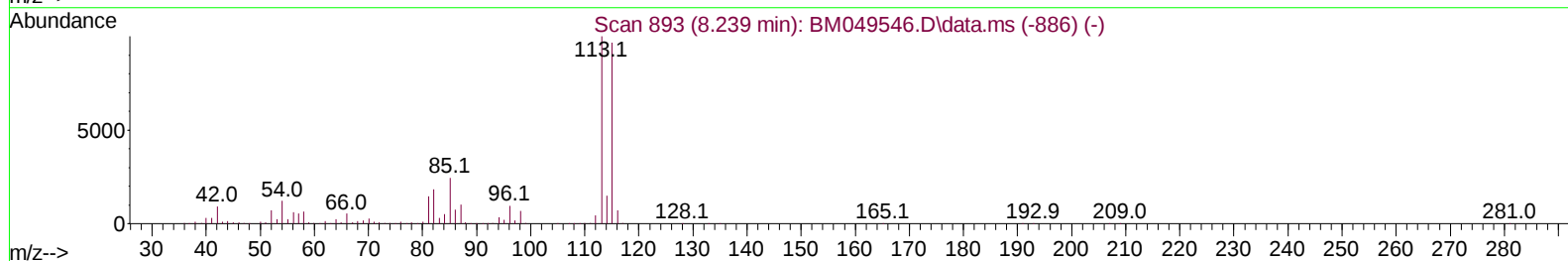
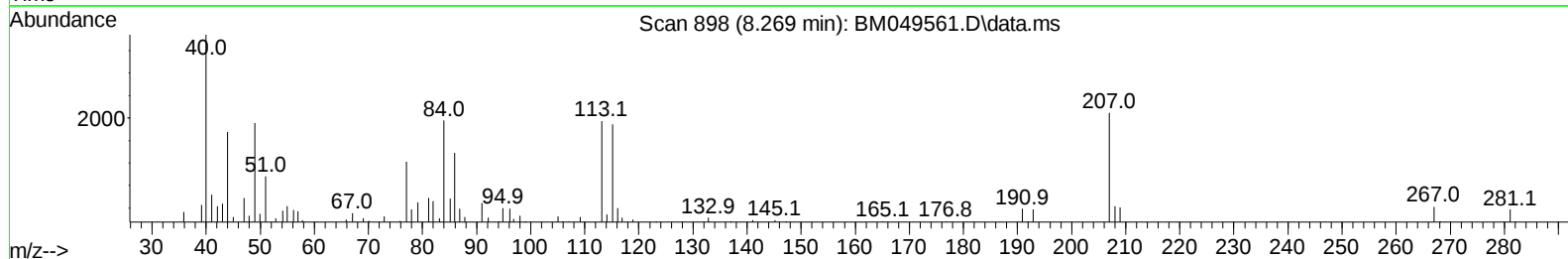
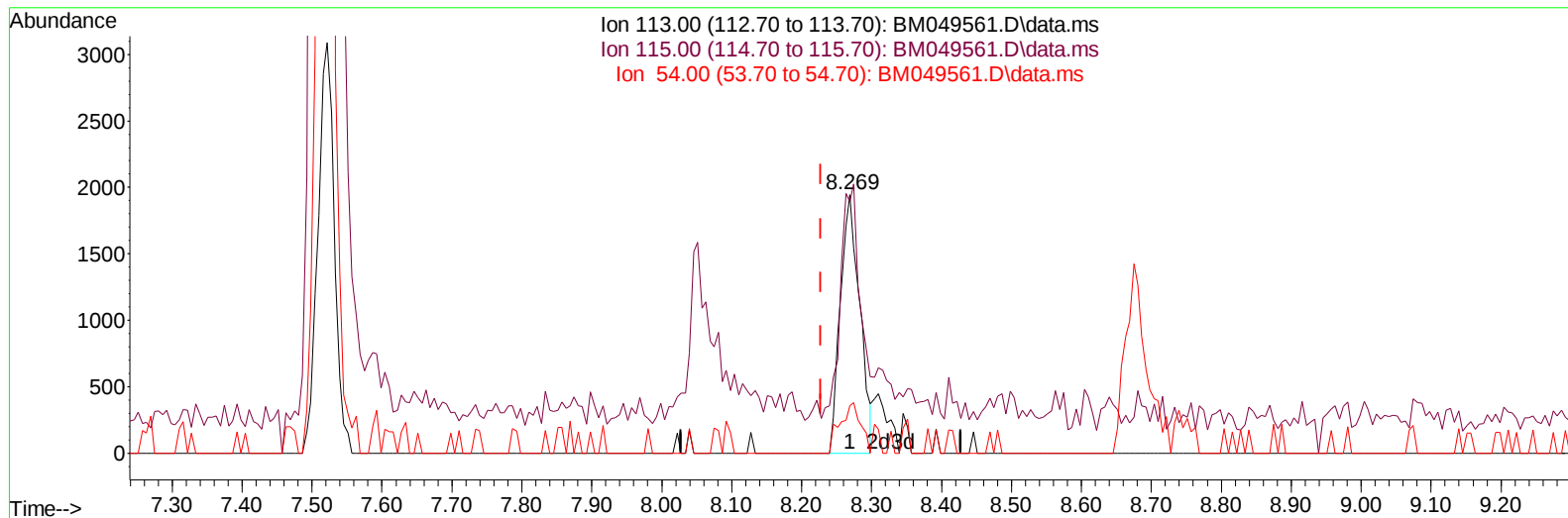
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.269min (+ 0.041) 0.33 ng/u1

response 3776

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	95.60	97.22
54.00	13.90	18.30#
0.00	0.00	0.00

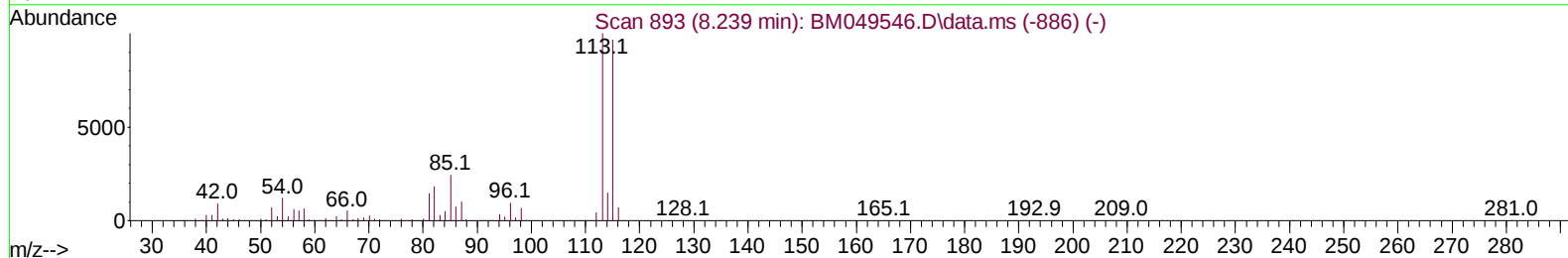
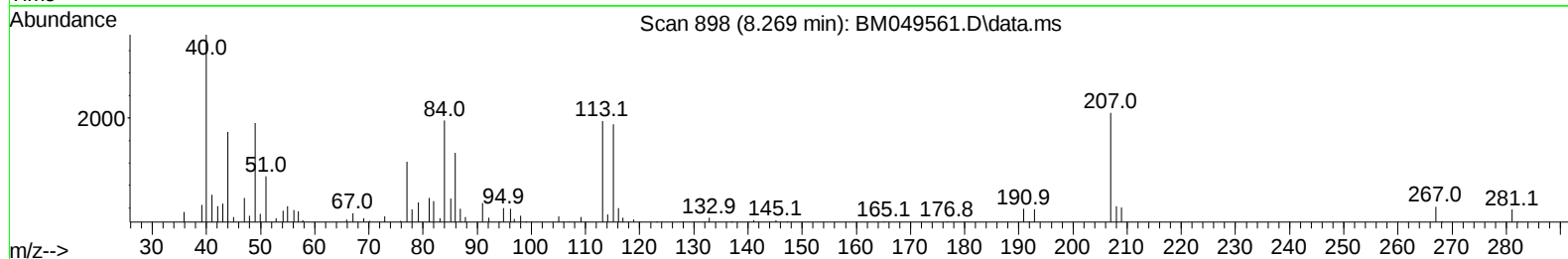
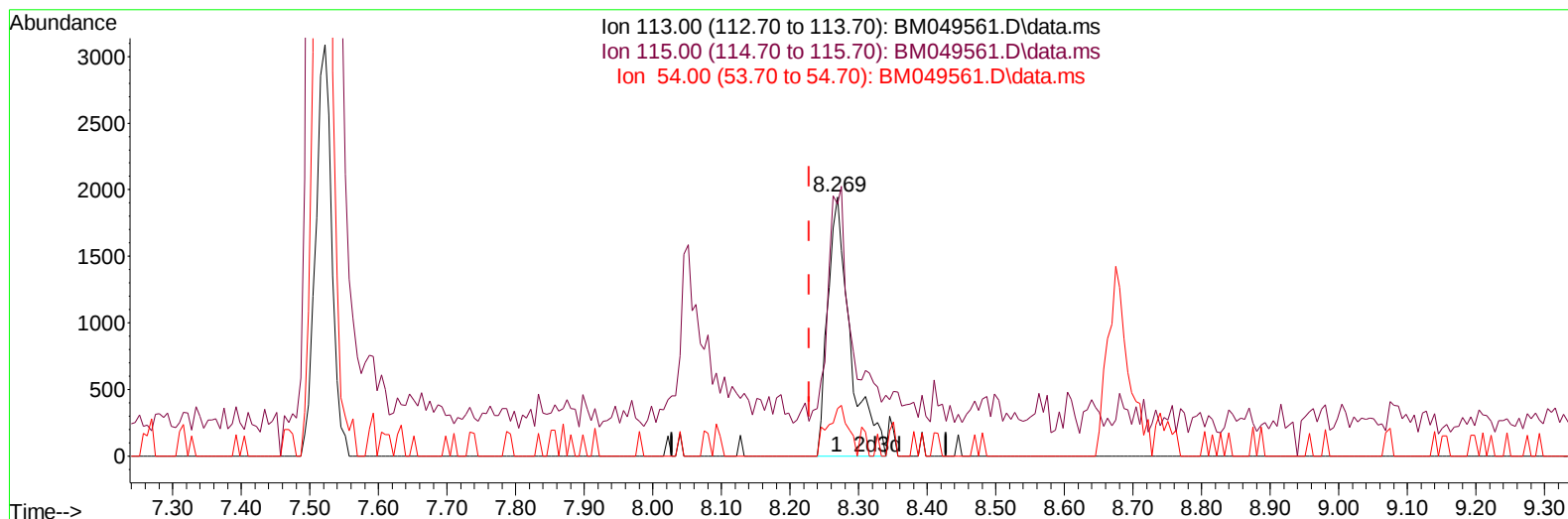
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.269min (+ 0.041) 0.39 ng/ul m

response 4433

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	95.60	97.22
54.00	13.90	18.30#
0.00	0.00	0.00

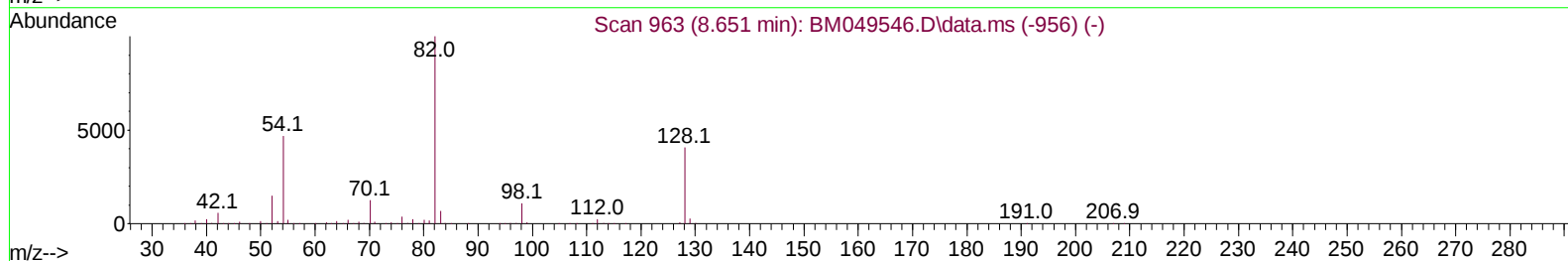
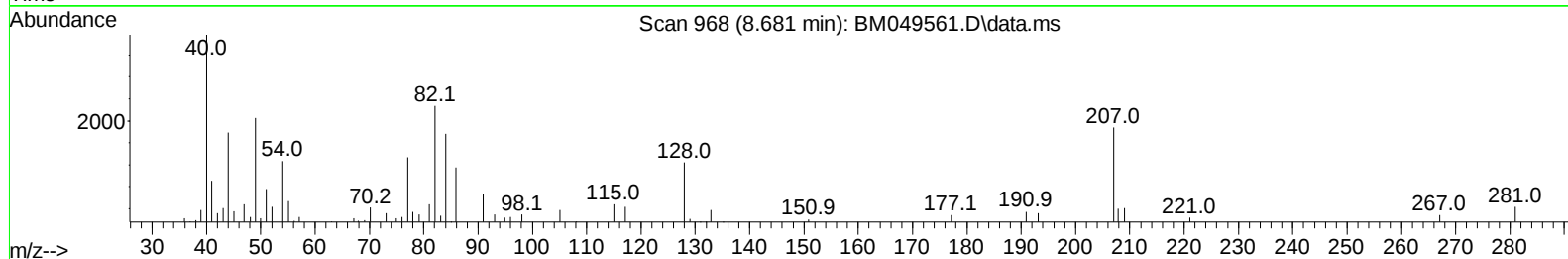
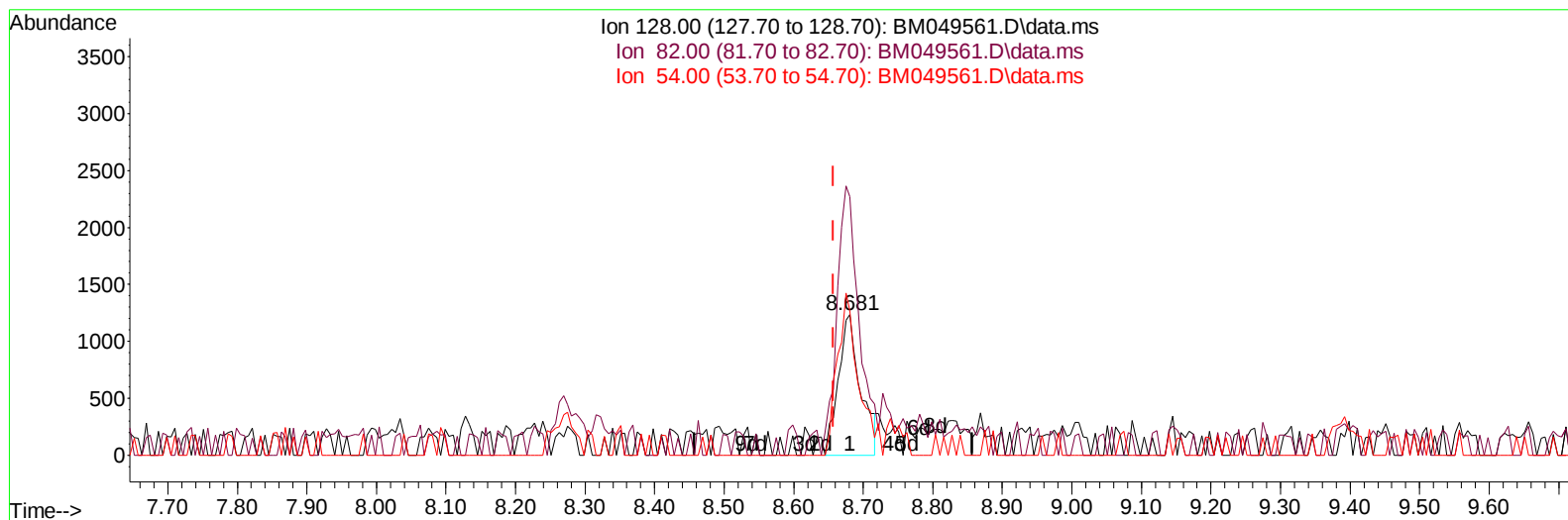
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(21) Nitrobenzene-d5 (S)

8.681min (+ 0.023) 0.48 ng/u1

response 2743

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	251.90	183.35#
54.00	123.40	102.51
0.00	0.00	0.00

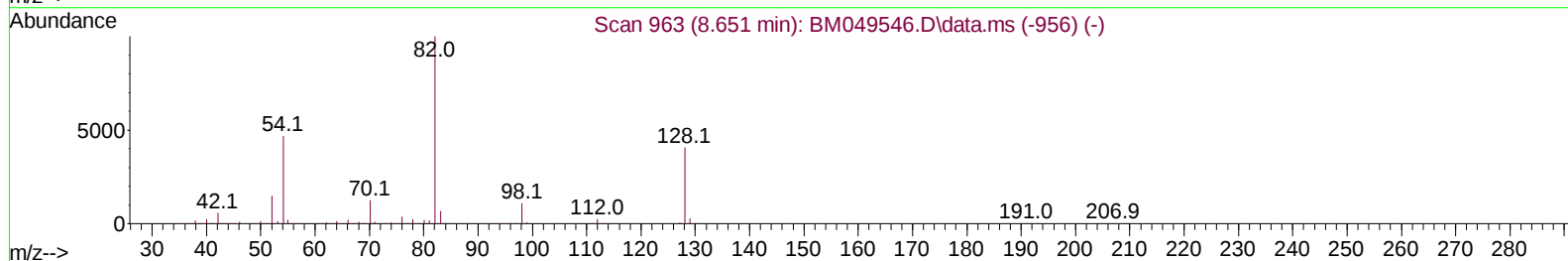
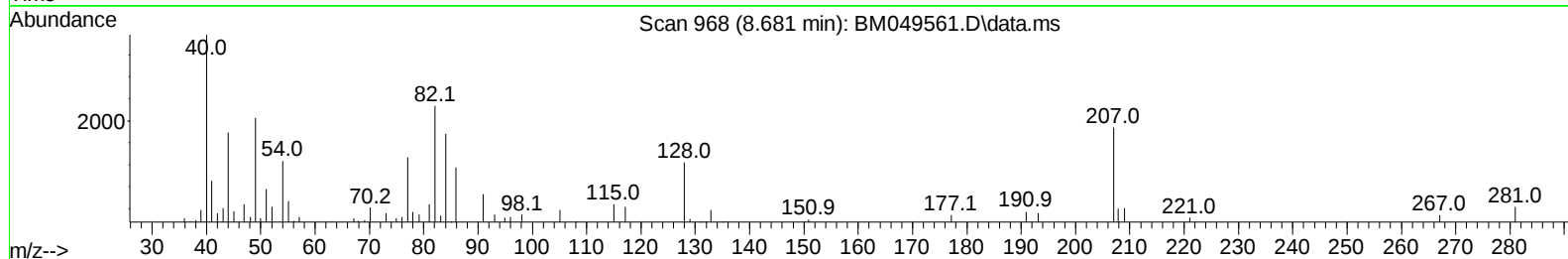
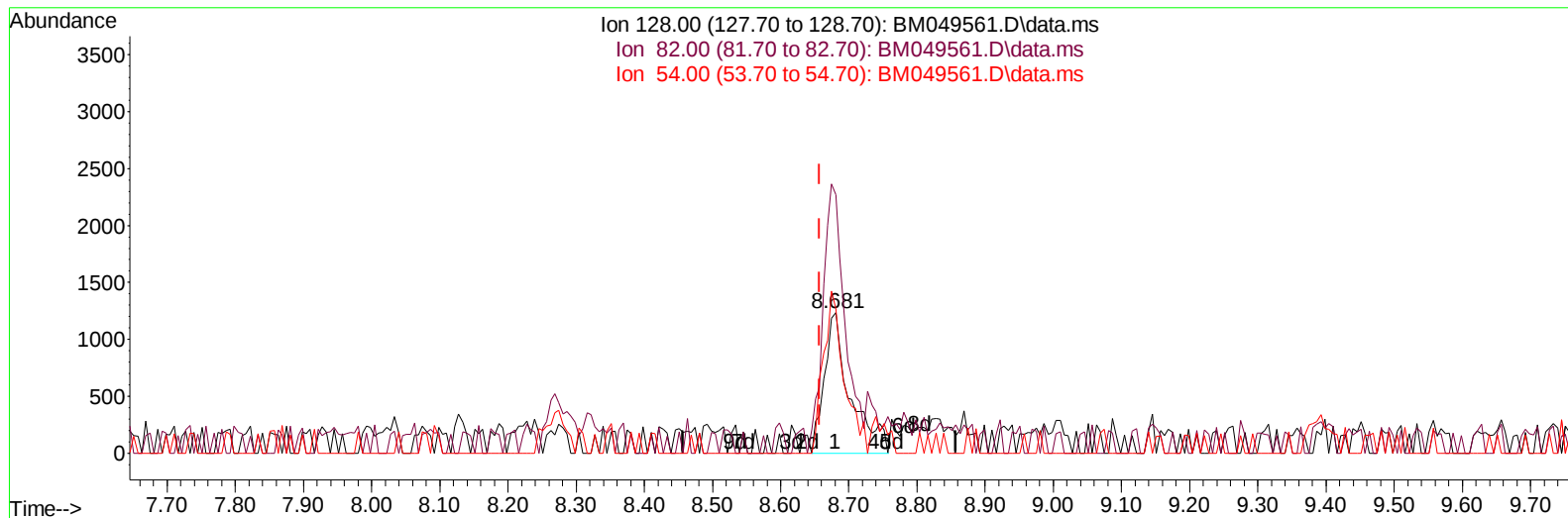
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(21) Nitrobenzene-d5 (S)

8.681min (+ 0.023) 0.57 ng/ul m

response 3253

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	251.90	183.35#
54.00	123.40	102.51
0.00	0.00	0.00

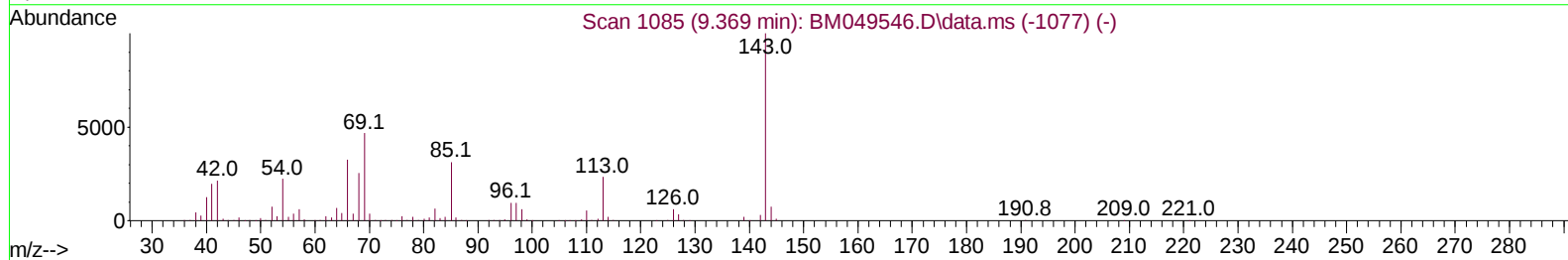
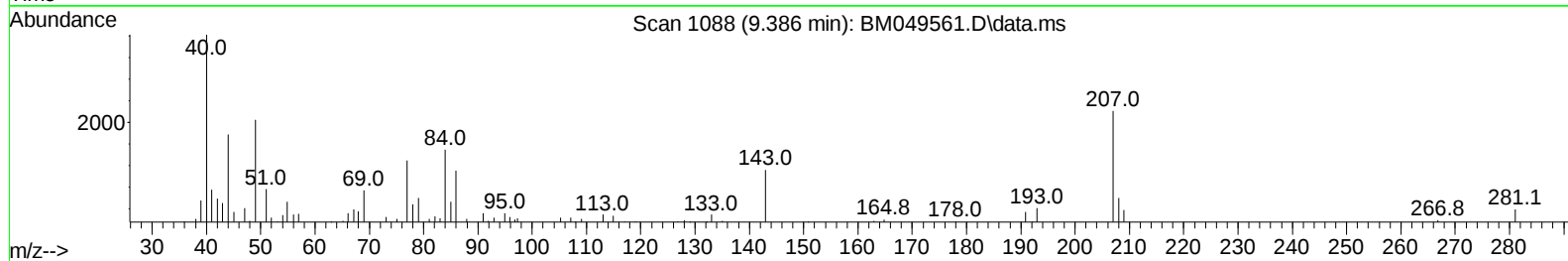
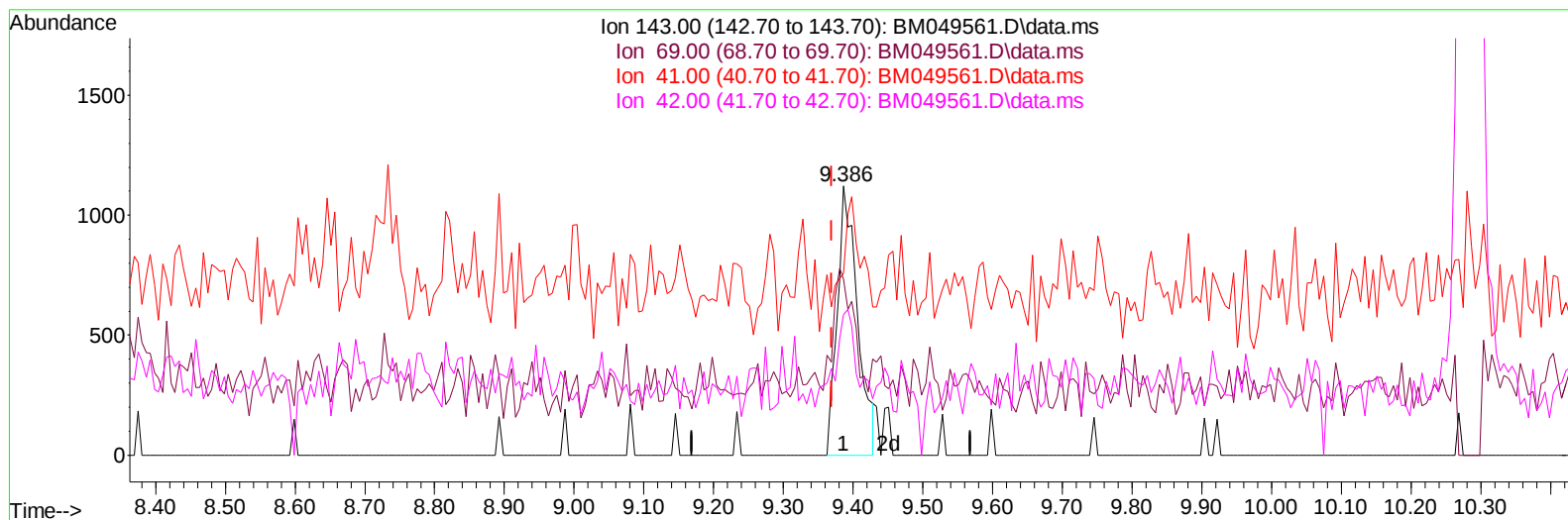
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.386min (+ 0.018) 0.36 ng/u1

response 2240

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	54.90	65.48
41.00	24.60	67.53#
42.00	27.00	52.27#

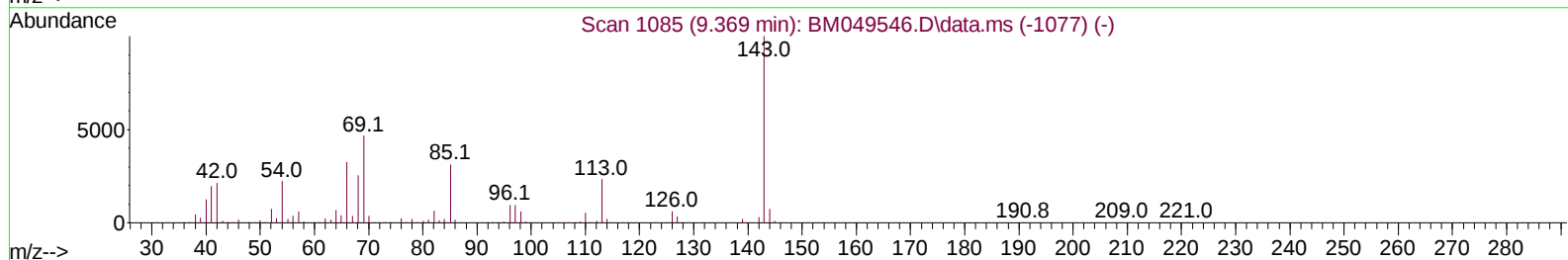
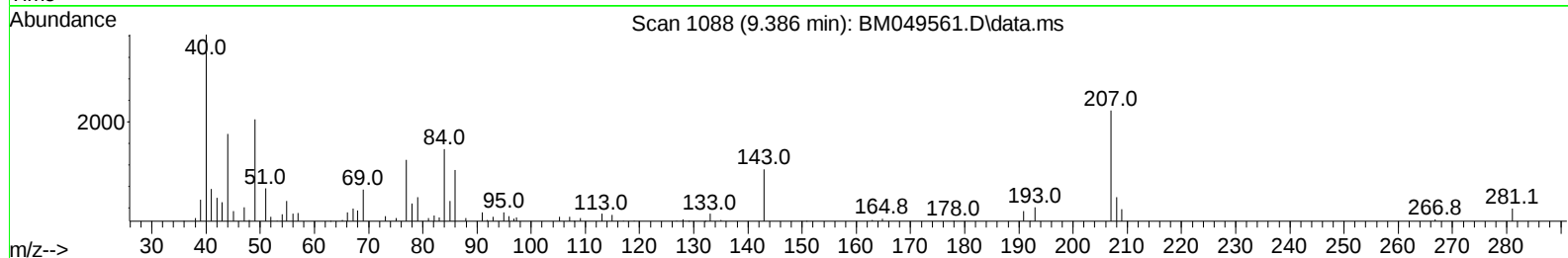
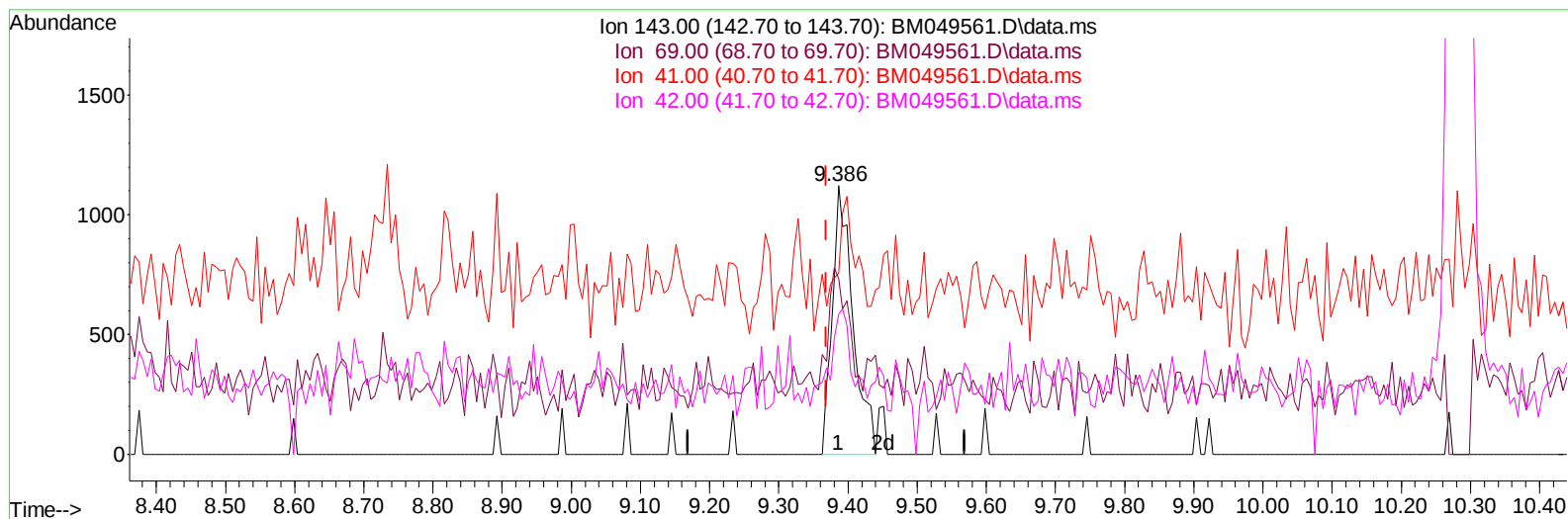
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.386min (+ 0.018) 0.37 ng/ul m

response 2312

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	54.90	65.48
41.00	24.60	67.53#
42.00	27.00	52.27#

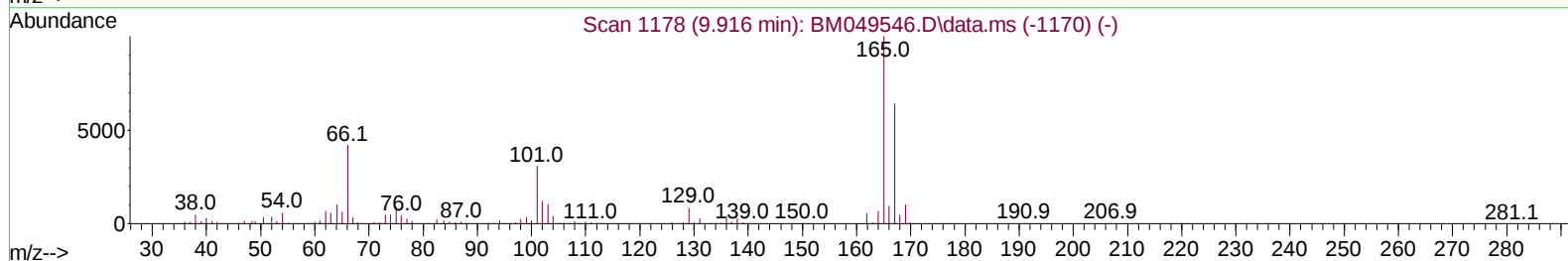
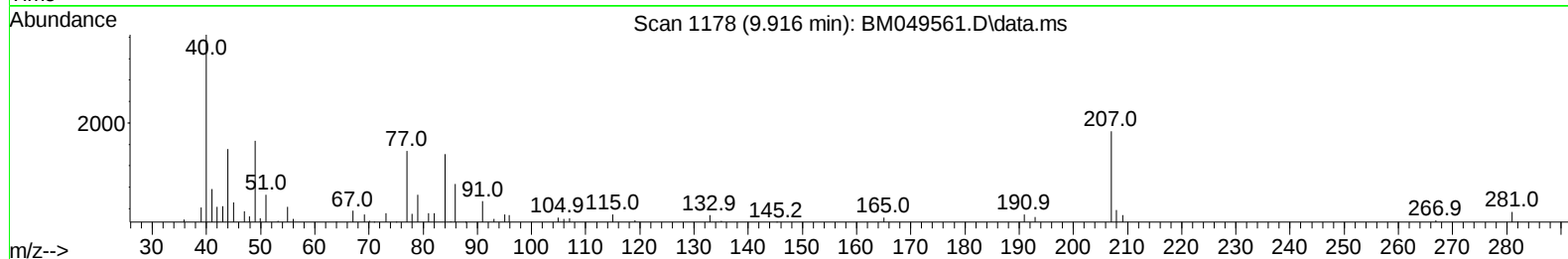
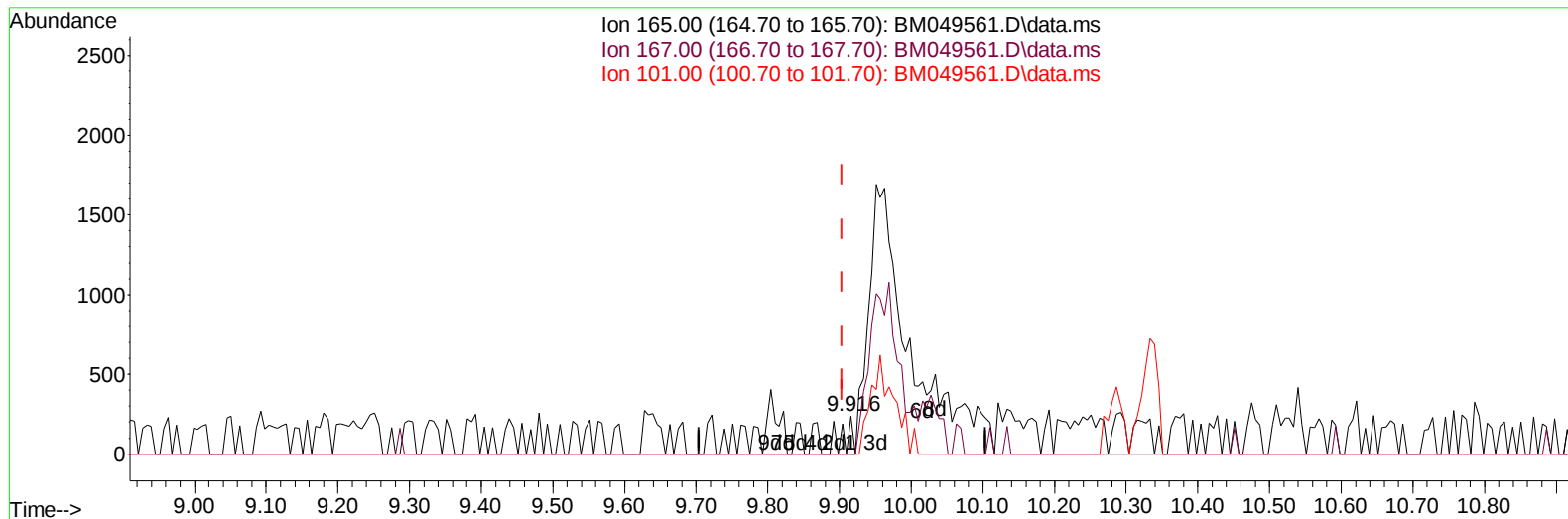
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

9.916min (+ 0.012) 0.01 ng/u1

response 84

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	64.20	0.00#
101.00	31.40	0.00#
0.00	0.00	0.00

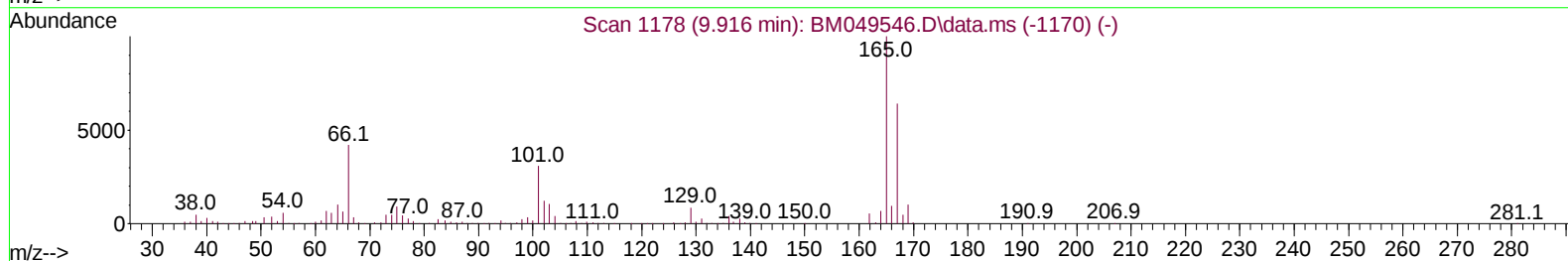
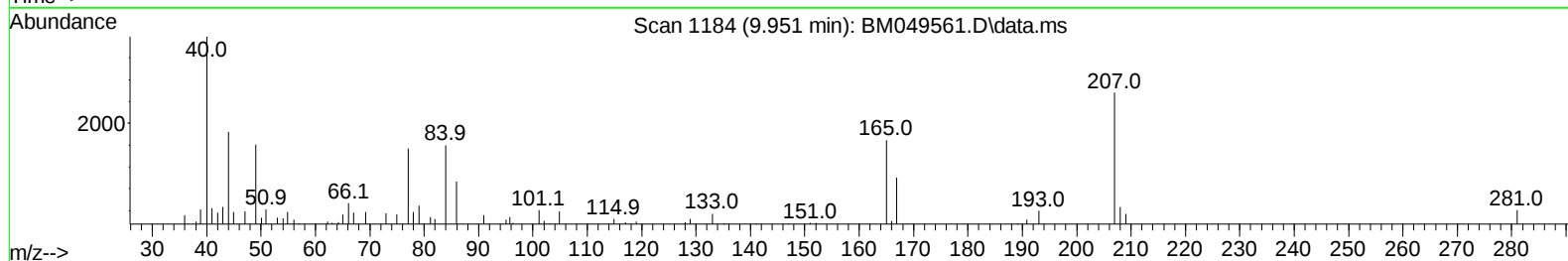
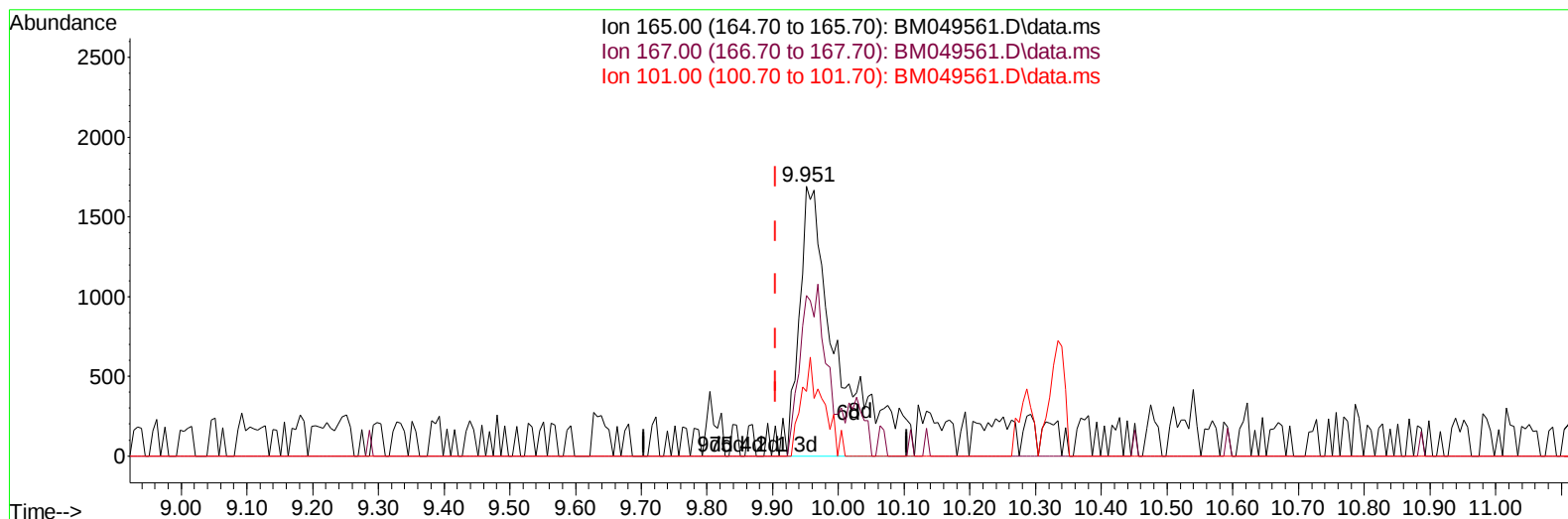
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

9.951min (+ 0.047) 0.54 ng/ul m

response 6899

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	64.20	59.43
101.00	31.40	24.07#
0.00	0.00	0.00

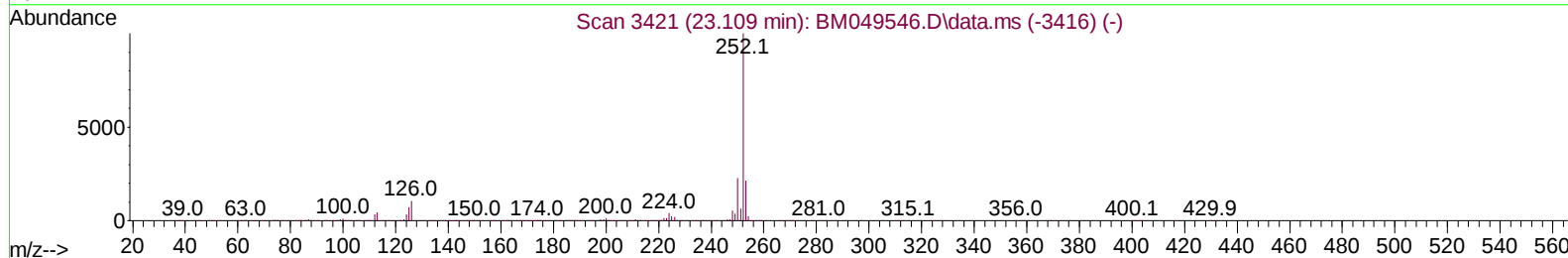
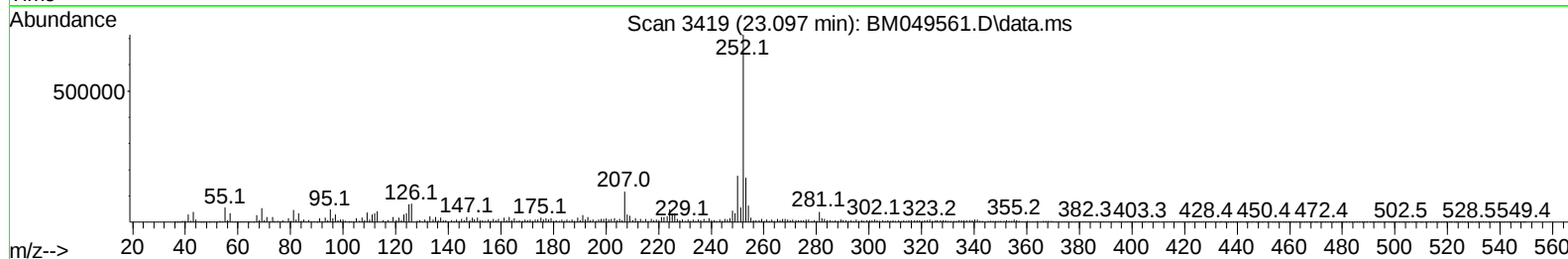
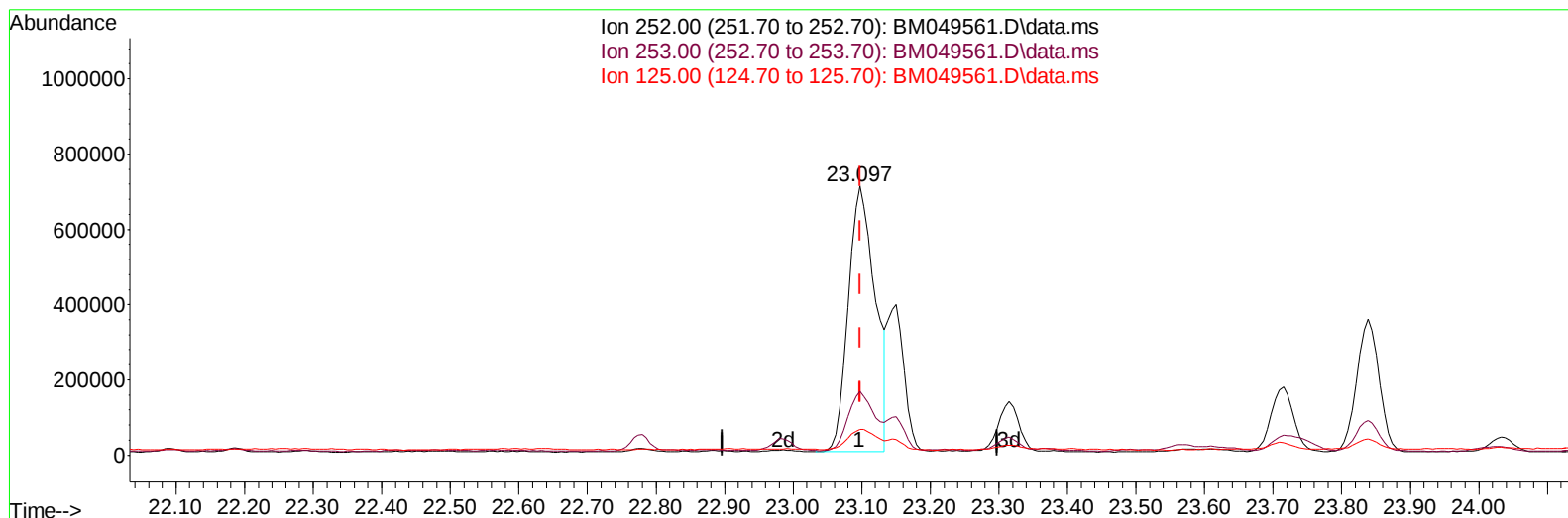
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(91) Benzo(k)fluoranthene

23.097min (-0.000) 26.06 ng/u1

response 1923031

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	23.68
125.00	8.10	9.49
0.00	0.00	0.00

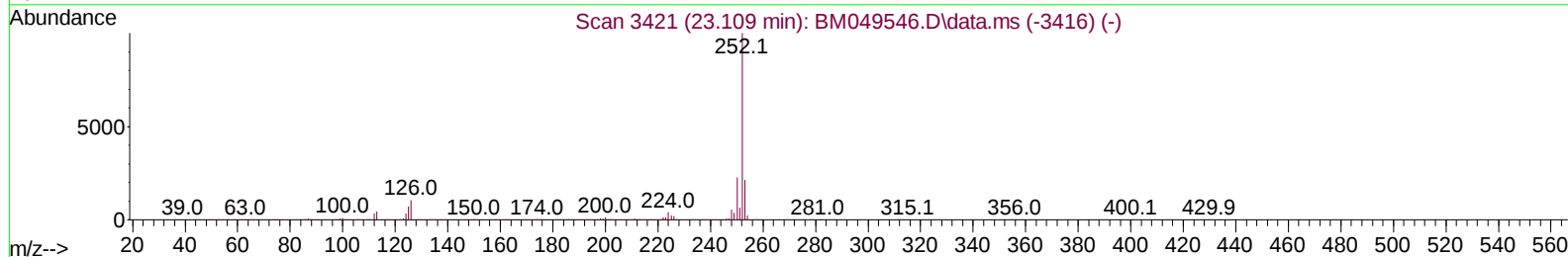
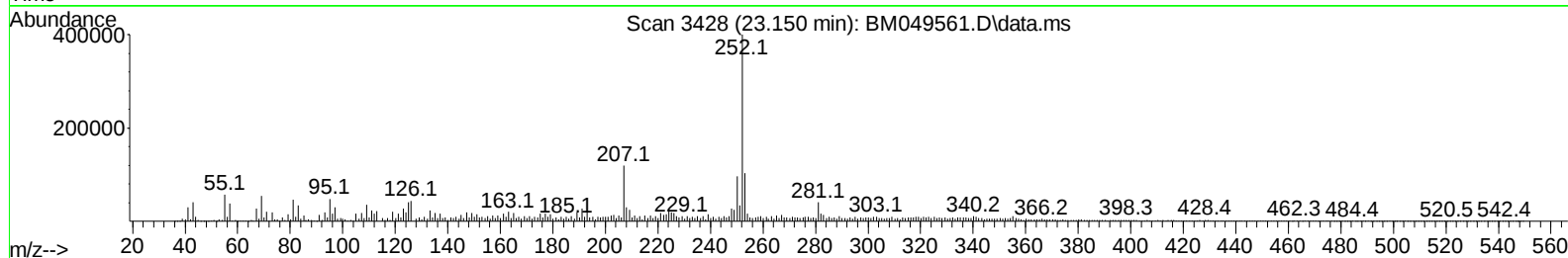
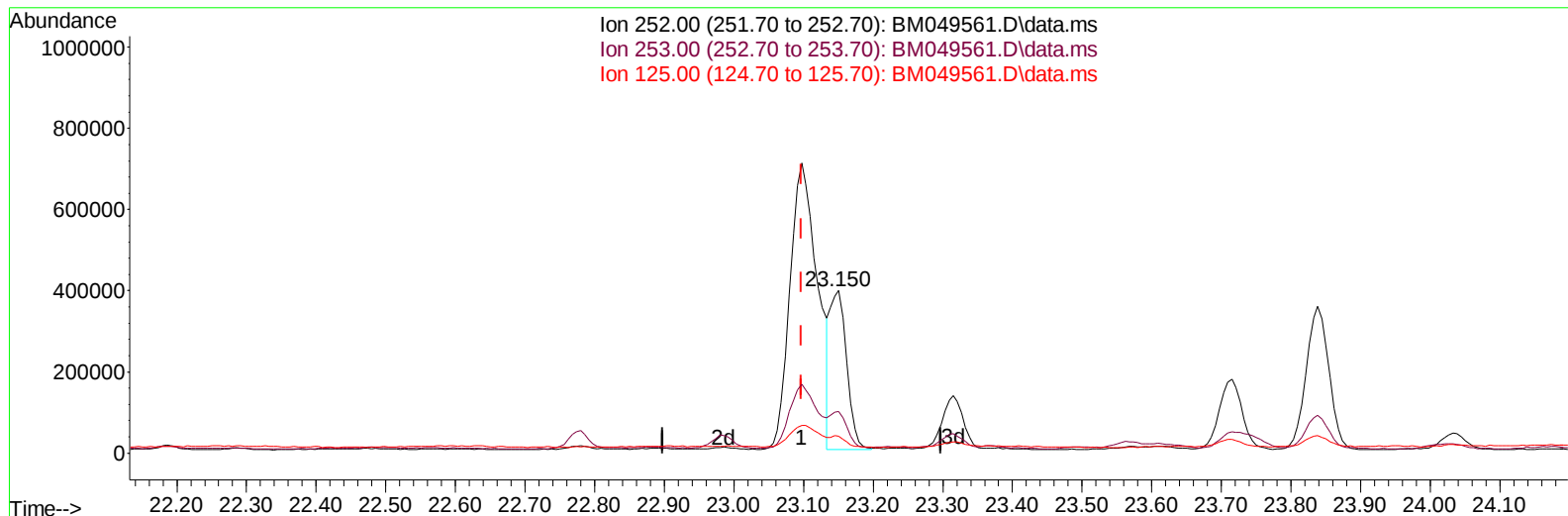
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:49:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



TIC: BM049561.D\data.ms

(91) Benzo(k)fluoranthene

23.150min (+ 0.053) 8.92 ng/u1 m

response 658099

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	25.70
125.00	8.10	10.28#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049561.D
 Acq On : 31 Jan 2025 17:15
 Operator : RC/JU
 Sample : Q1190-02DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:53:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.522	152	192194	20.000	ng/ul	0.01
20) Naphthalene-d8	10.286	136	750623	20.000	ng/ul	0.02
38) Acenaphthene-d10	14.169	164	511024	20.000	ng/ul	0.02
64) Phenanthrene-d10	16.927	188	1040975	20.000	ng/ul	0.02
79) Chrysene-d12	21.168	240	1027247	20.000	ng/ul	0.04
88) Perylene-d12	23.968	264	1126458	20.000	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	280	0.054	ng/uL	0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	6.751	99	5853m	0.375	ng/ul	0.04
9) Bis-(2-Chloroethyl)eth...	6.869	67	3569	0.335	ng/ul	0.00
11) 2-Chlorophenol-d4	7.075	132	5778m	0.479	ng/ul	0.02
15) 4-Methylphenol-d8	8.269	113	4433m	0.388	ng/ul	0.04
21) Nitrobenzene-d5	8.681	128	3253m	0.566	ng/ul	0.02
24) 2-Nitrophenol-d4	9.386	143	2312m	0.369	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	9.951	165	6899m	0.540	ng/ul	0.05
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	13.592	166	19529	0.521	ng/ul	0.02
49) Acenaphthylene-d8	13.857	160	19780	0.449	ng/ul	0.02
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.168	176	14677	0.445	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.021	188	27742	0.534	ng/ul	0.02
81) Pyrene-d10	19.333	212	23712	0.395	ng/ul	0.02
92) Benzo(a)pyrene-d12	23.780	264	14236	0.237	ng/ul	0.05
Target Compounds						
					Qvalue	
50) Acenaphthylene	13.886	152	49670	1.098	ng/ul#	96
52) Acenaphthene	14.233	153	87797	2.719	ng/ul	99
56) Dibenzofuran	14.574	168	68123	1.480	ng/ul	98
61) Fluorene	15.227	166	106569	2.864	ng/ul	99
72) Phenanthrene	16.968	178	1681668	28.699	ng/ul	100
74) Anthracene	17.057	178	510121	8.643	ng/ul	99
77) Carbazole	17.339	167	142844	2.708	ng/ul	97
80) Fluoranthene	18.998	202	3724861	54.307	ng/ul	100
82) Pyrene	19.362	202	2687920	36.422	ng/ul	100
85) Benzo(a)anthracene	21.150	228	1752882	24.292	ng/ul	97
87) Chrysene	21.209	228	1463446	21.838	ng/ul	97
90) Benzo(b)fluoranthene	23.097	252	1923031	26.337	ng/ul#	96
91) Benzo(k)fluoranthene	23.150	252	658099m	8.920	ng/ul	
93) Benzo(a)pyrene	23.839	252	795557	11.615	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	27.091	276	653730	7.700	ng/ul	95
95) Dibenzo(a,h)anthracene	27.121	278	240520	3.496	ng/ul#	76
96) Benzo(g,h,i)perylene	28.056	276	71511	1.108	ng/ul#	56

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
Data File : BM049561.D
Acq On : 31 Jan 2025 17:15
Operator : RC/JU
Sample : Q1190-02DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A44S3DL

Manual IntegrationsAPPROVED

Quant Time: Feb 03 08:53:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

