

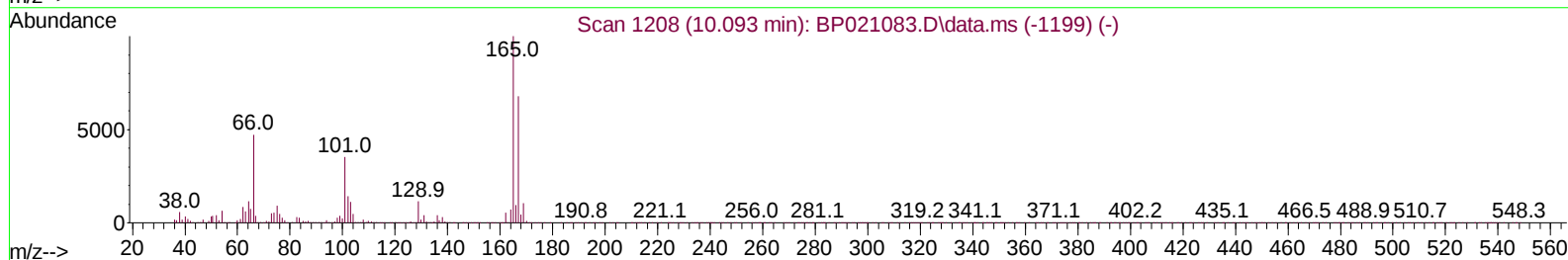
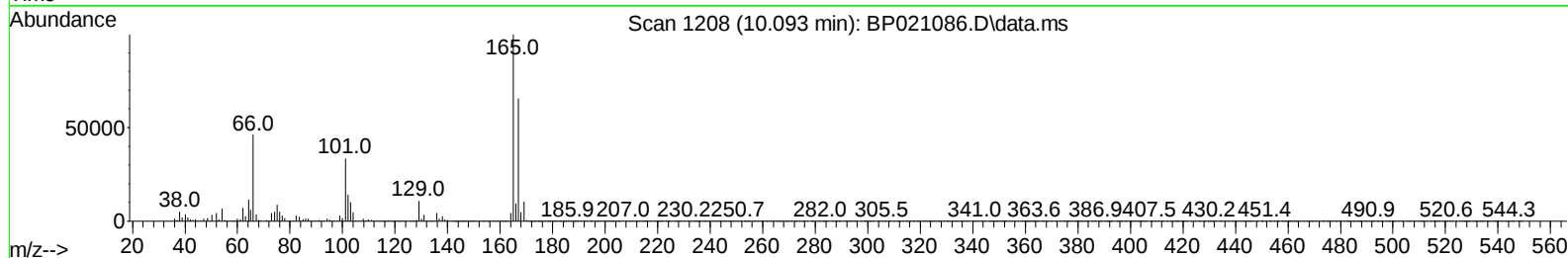
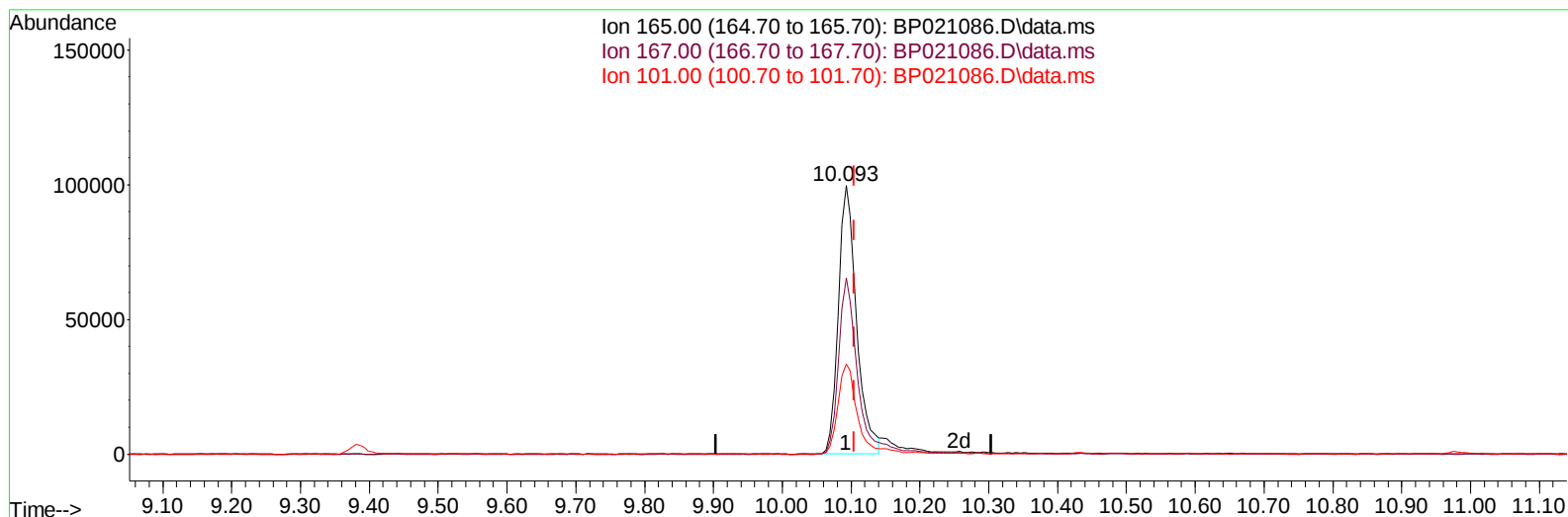
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

10.093min (-0.012) 13.70 ng/u1

response 182804

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	62.80	65.72
101.00	35.50	33.56
0.00	0.00	0.00

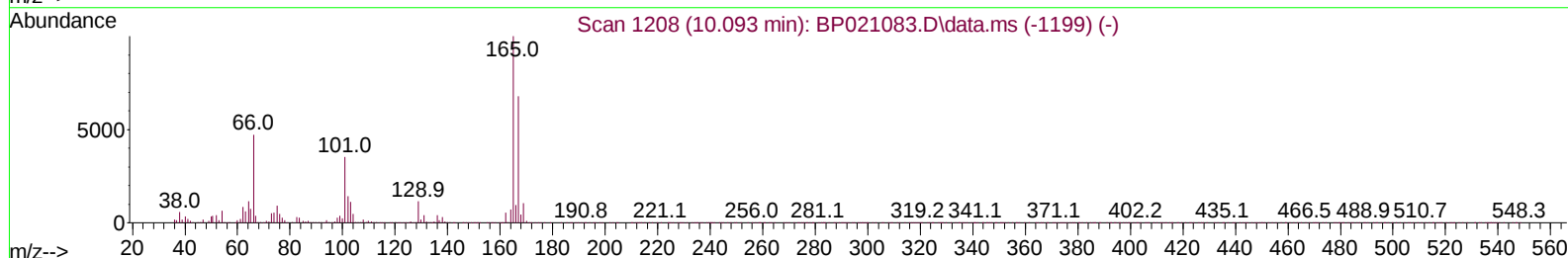
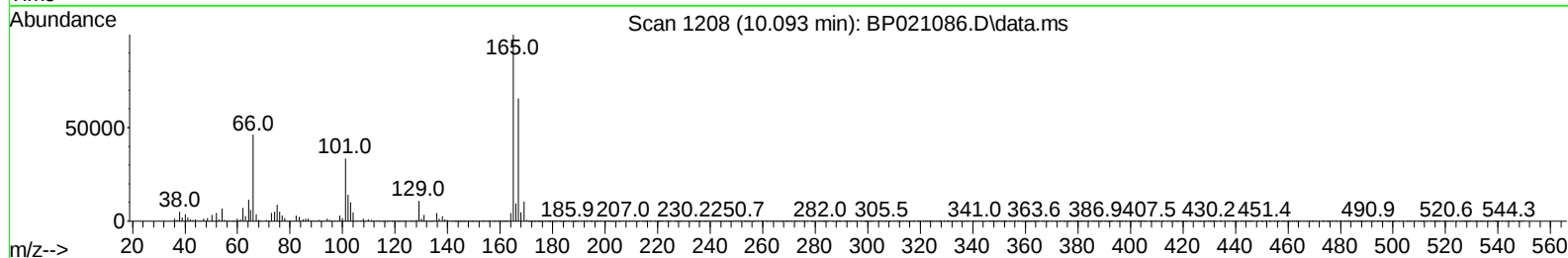
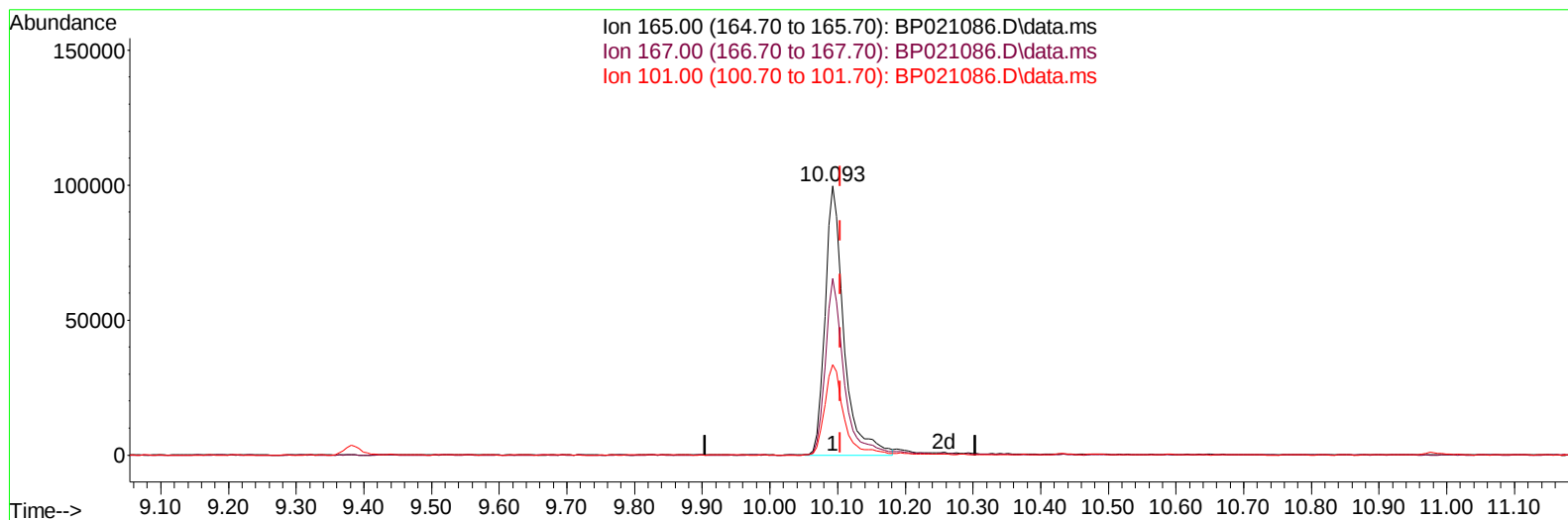
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021086.D
 Acq On : 22 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

10.093min (-0.012) 14.44 ng/ul m

response 192768

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	62.80	65.72
101.00	35.50	33.56
0.00	0.00	0.00

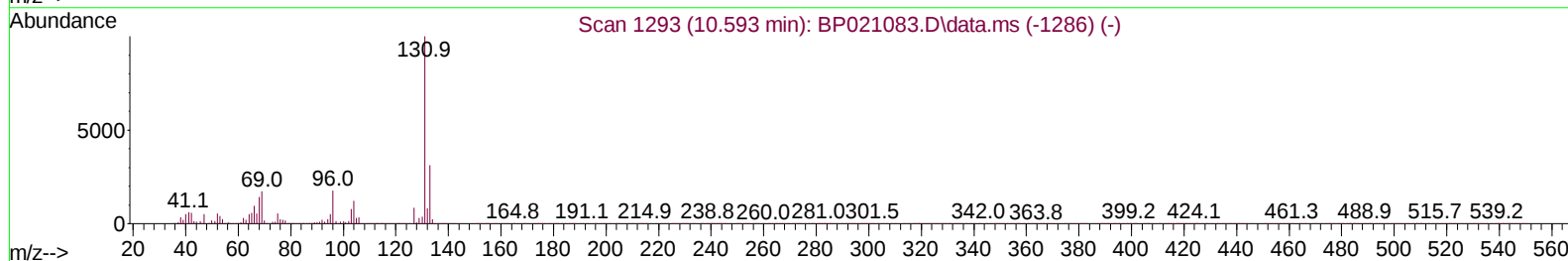
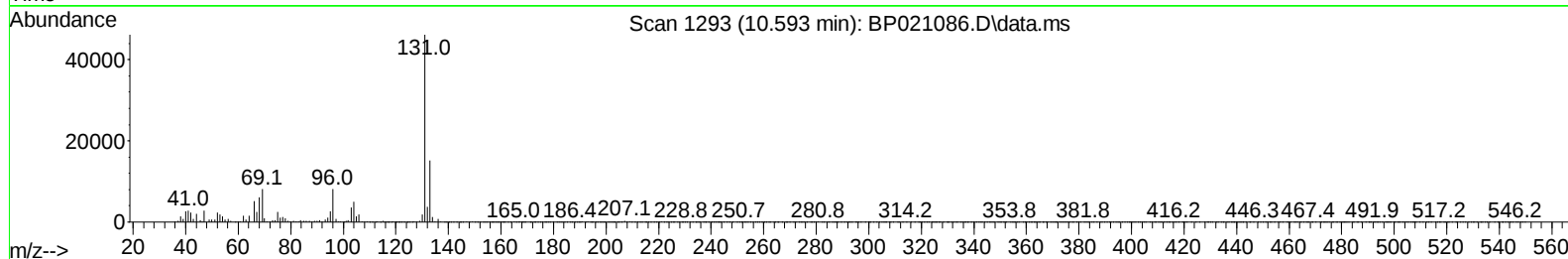
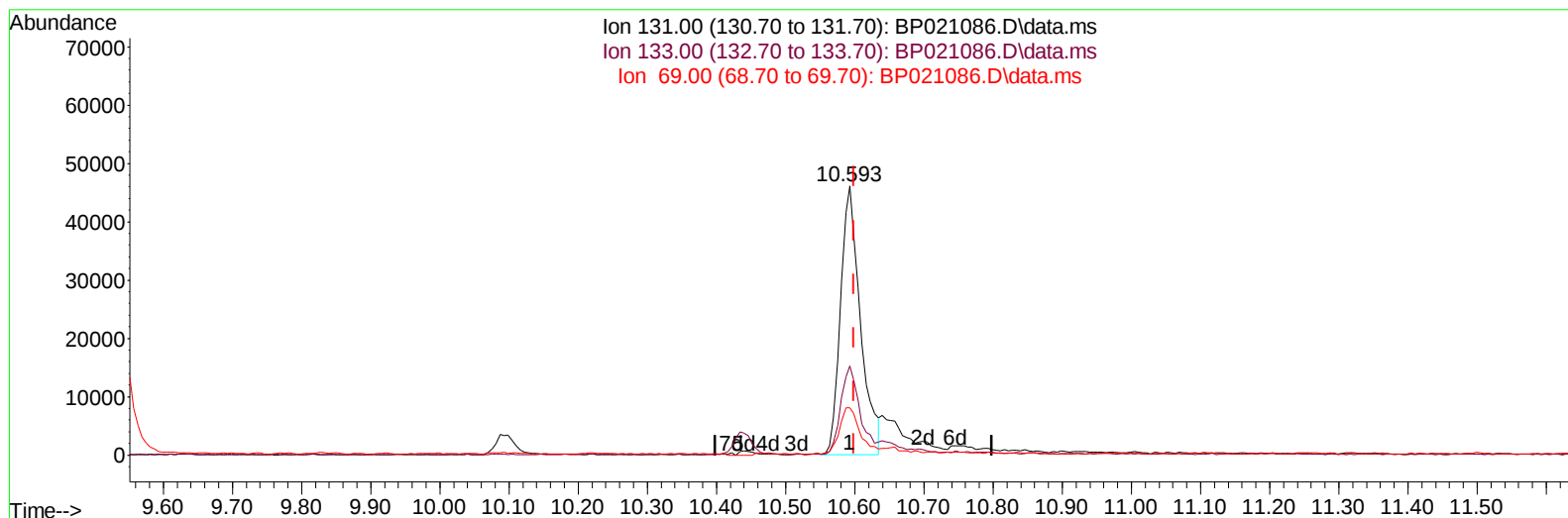
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021086.D
 Acq On : 22 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.593min (-0.006) 5.21 ng/u1

response 92149

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	33.03
69.00	17.40	17.57
0.00	0.00	0.00

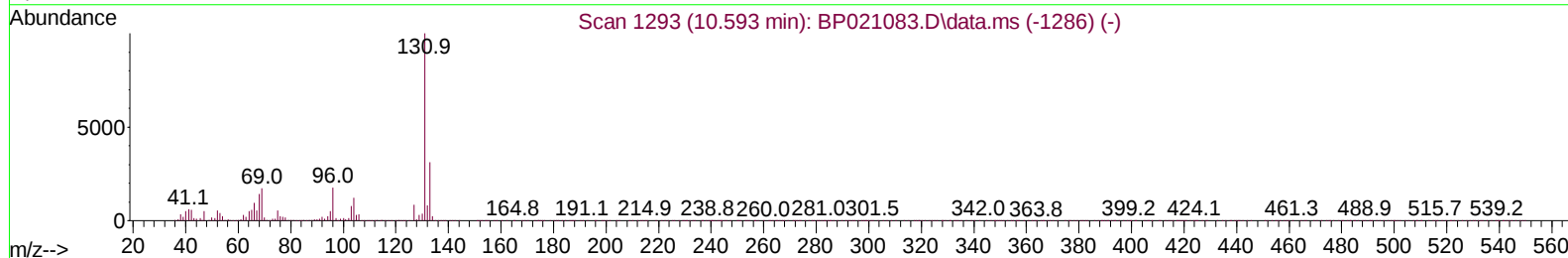
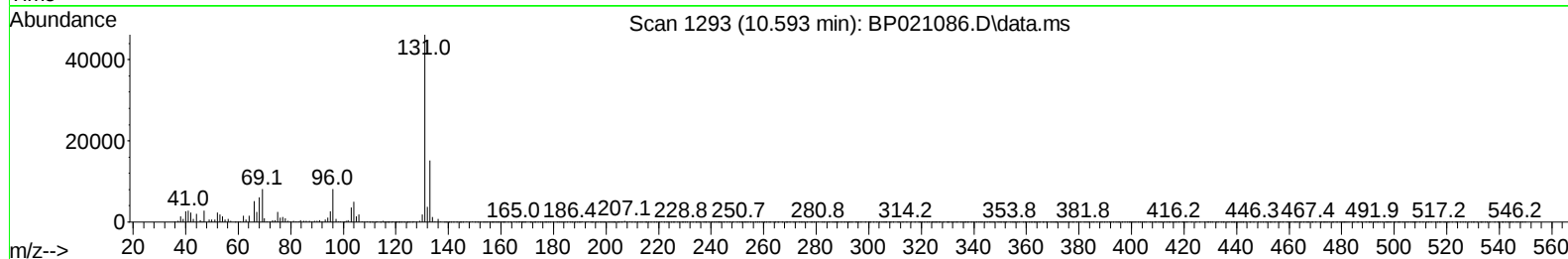
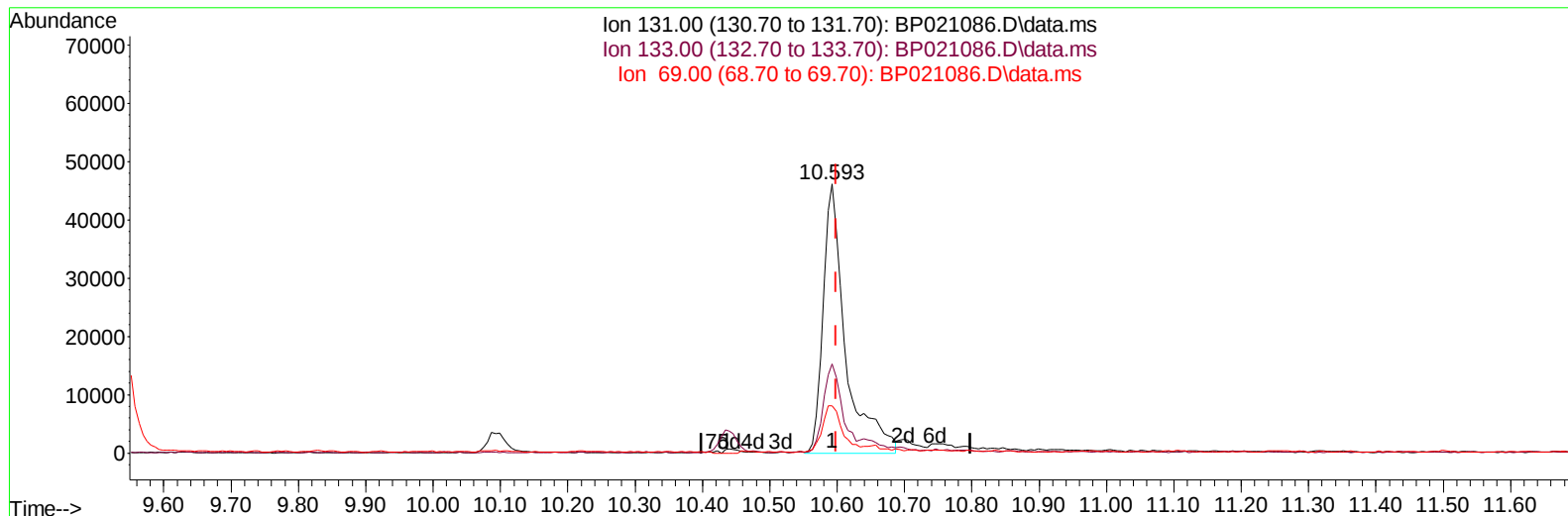
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.593min (-0.006) 6.05 ng/ul m

response 106985

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	33.03
69.00	17.40	17.57
0.00	0.00	0.00

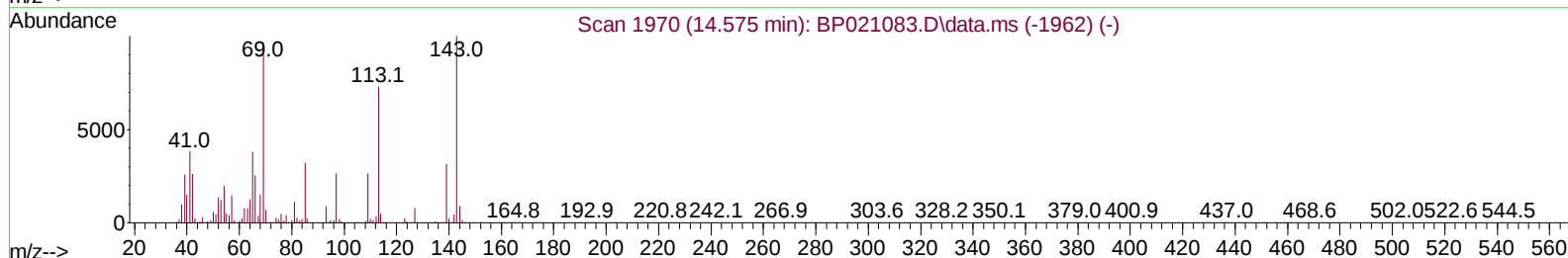
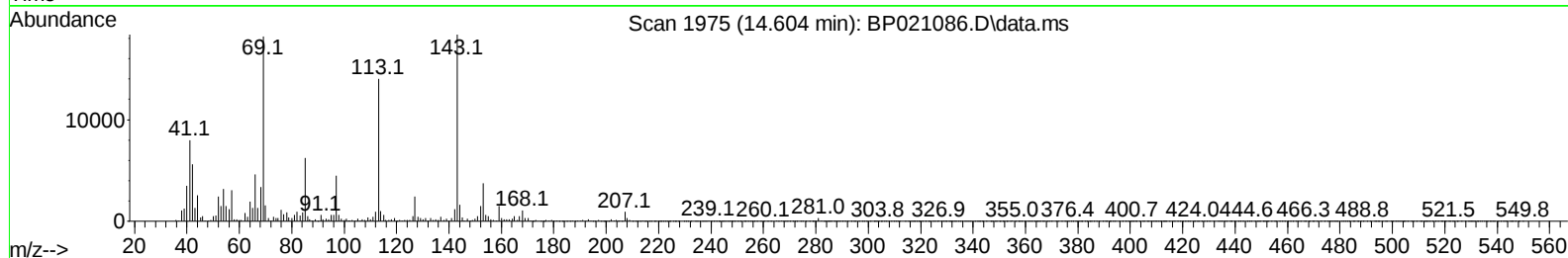
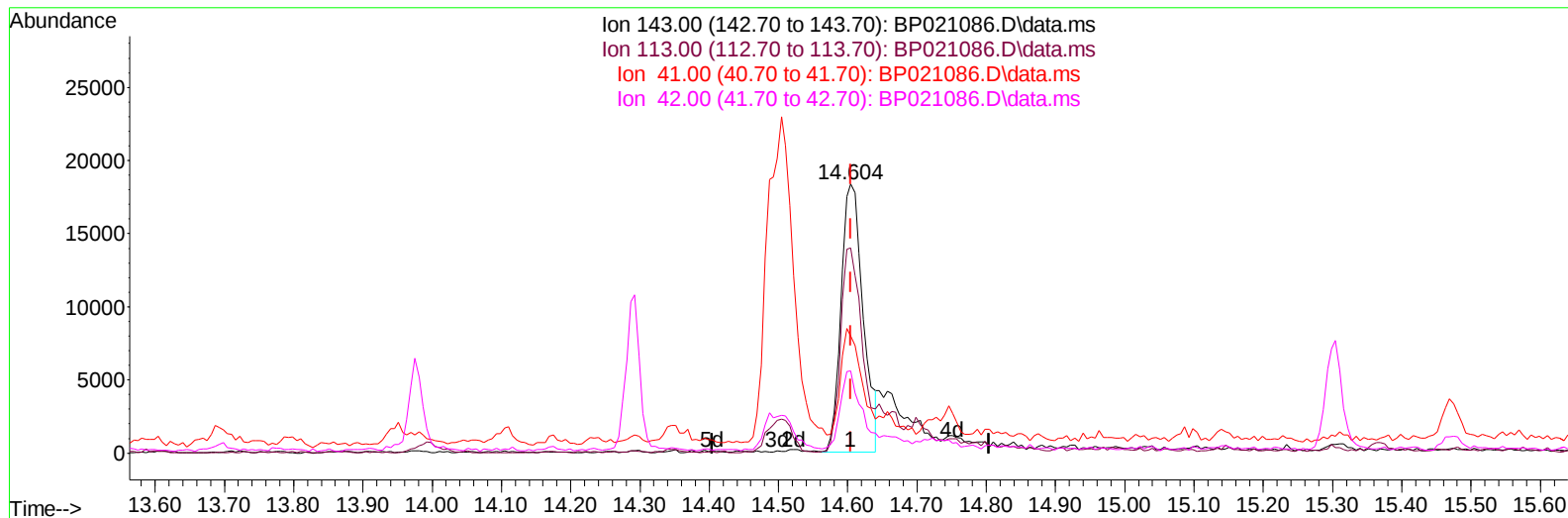
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.604min (+ 0.000) 7.19 ng/u1

response 40218

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	76.21
41.00	37.90	43.52
42.00	27.10	30.44

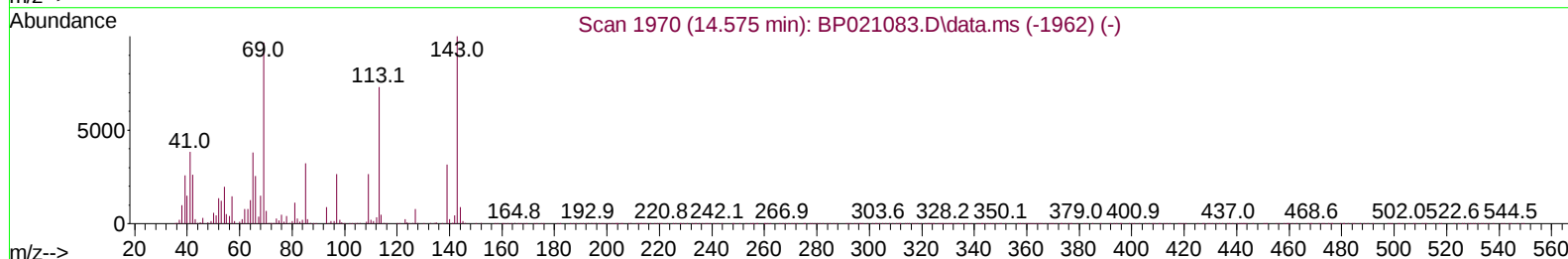
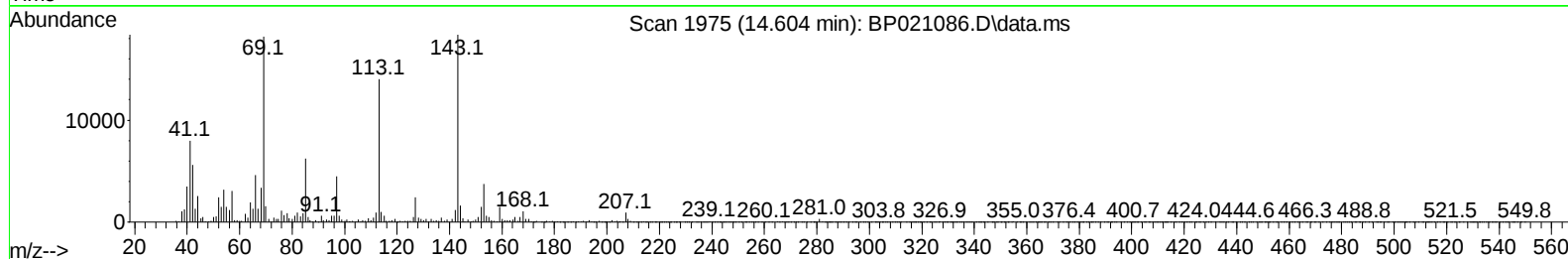
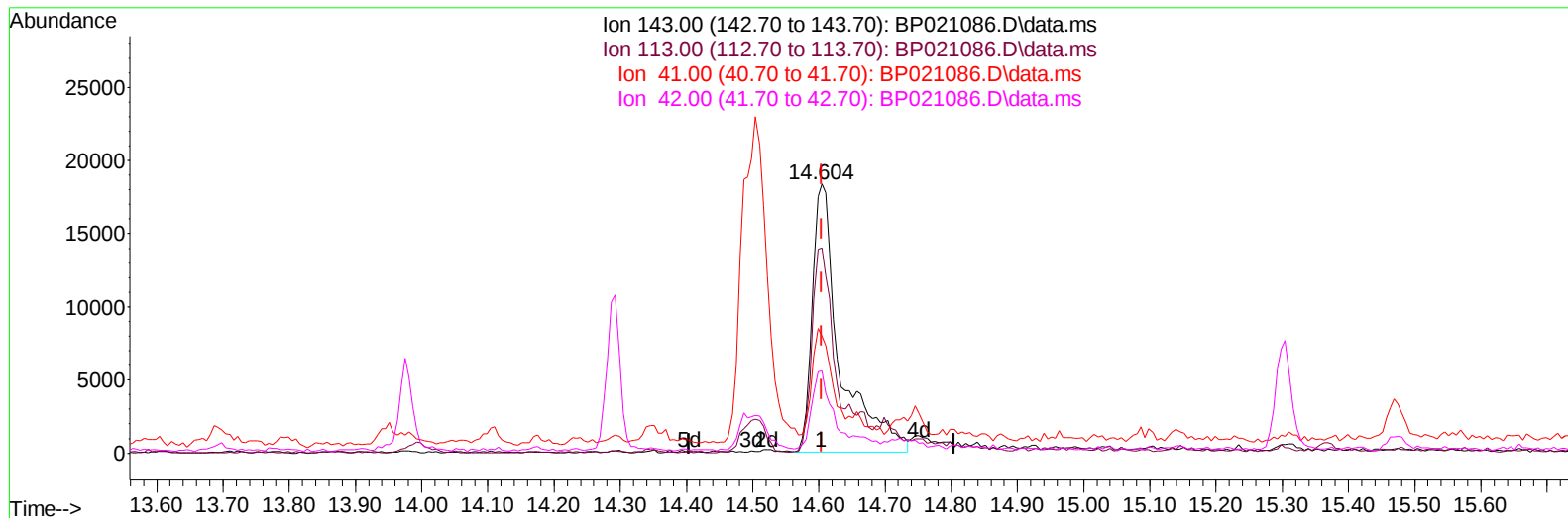
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.604min (+ 0.000) 9.64 ng/ul m

response 53922

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	76.21
41.00	37.90	43.52
42.00	27.10	30.44

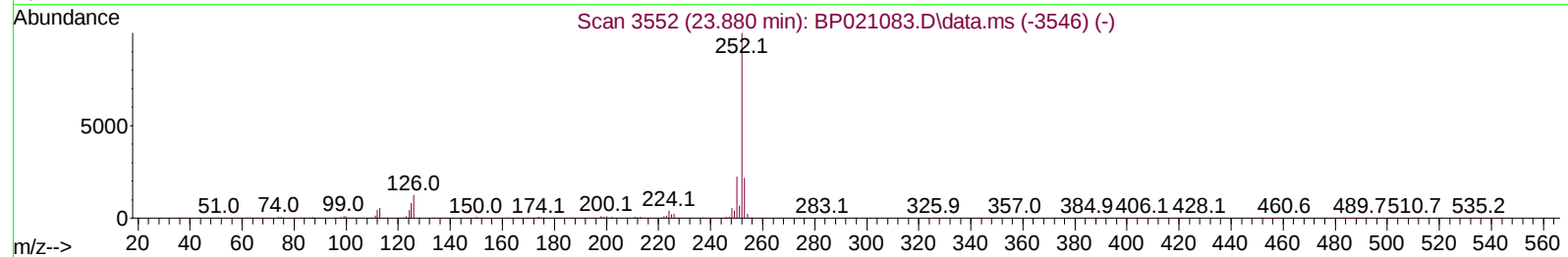
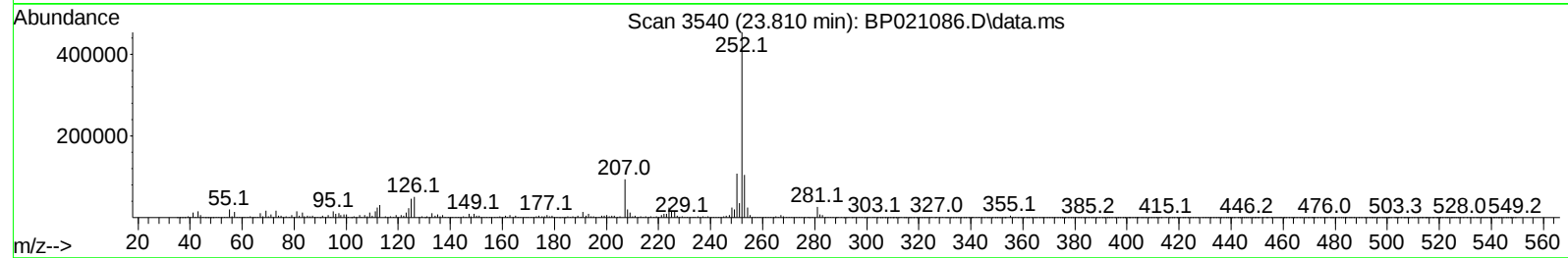
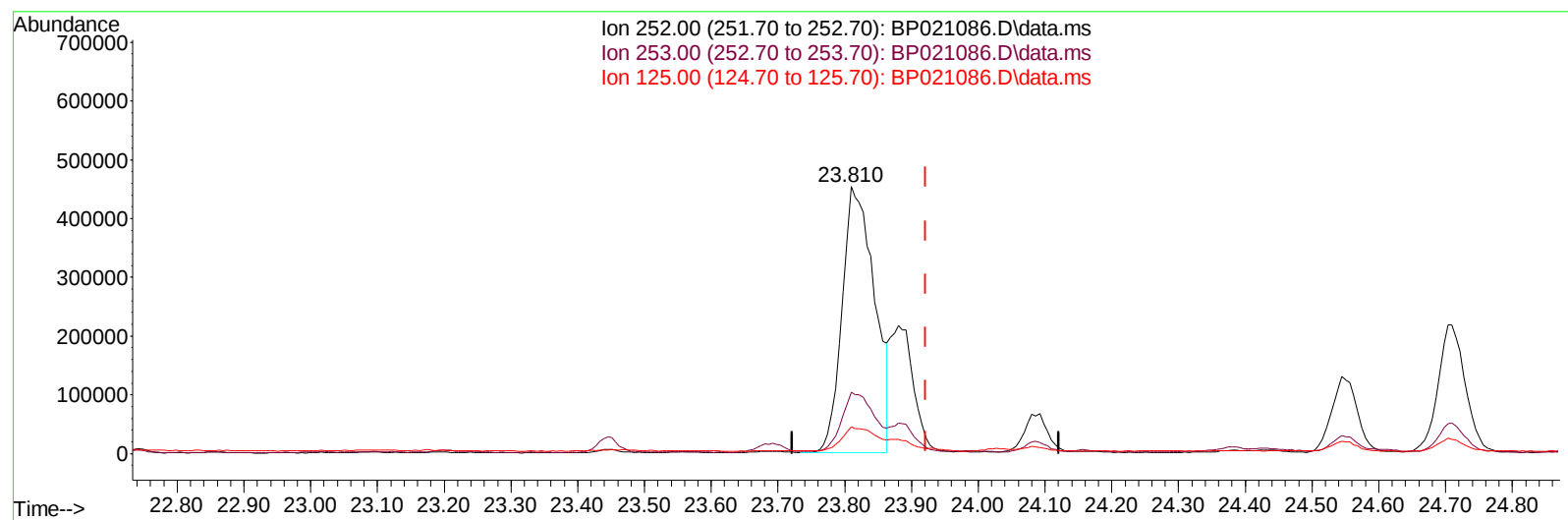
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration



TIC: BP021086.D\data.ms

(91) Benzo(k)fluoranthene

23.810min (-0.112) 18.20 ng/u1

response 1525655

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	23.01
125.00	9.20	10.07
0.00	0.00	0.00

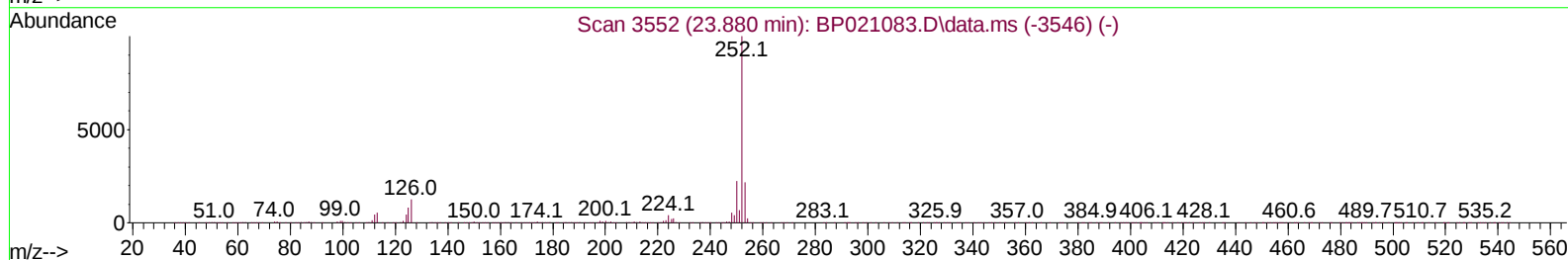
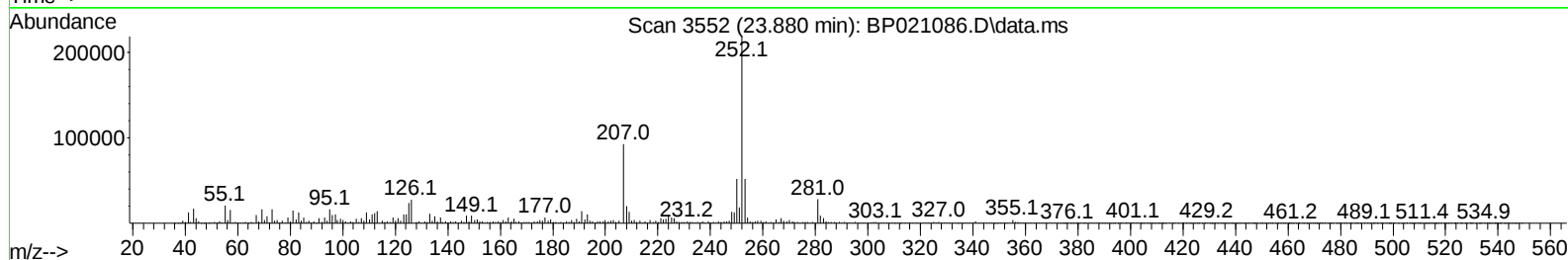
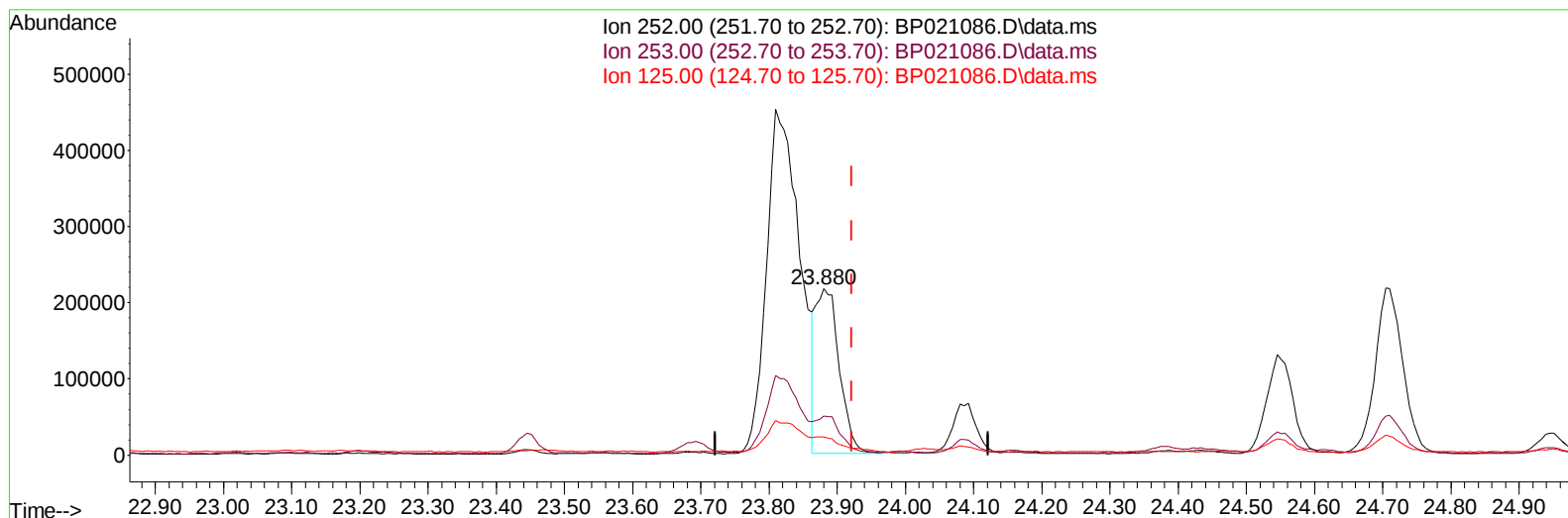
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021086.D
 Acq On : 22 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(91) Benzo(k)fluoranthene

23.880min (-0.041) 6.18 ng/ul m

response 518188

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	23.66
125.00	9.20	10.97
0.00	0.00	0.00

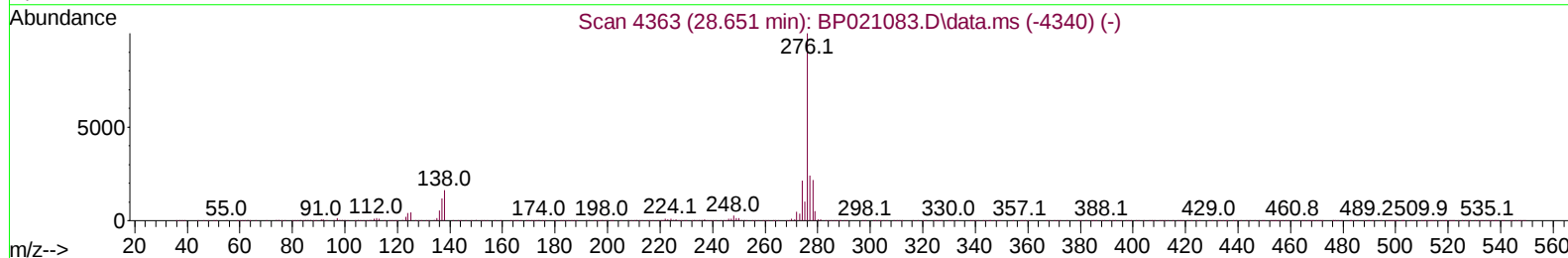
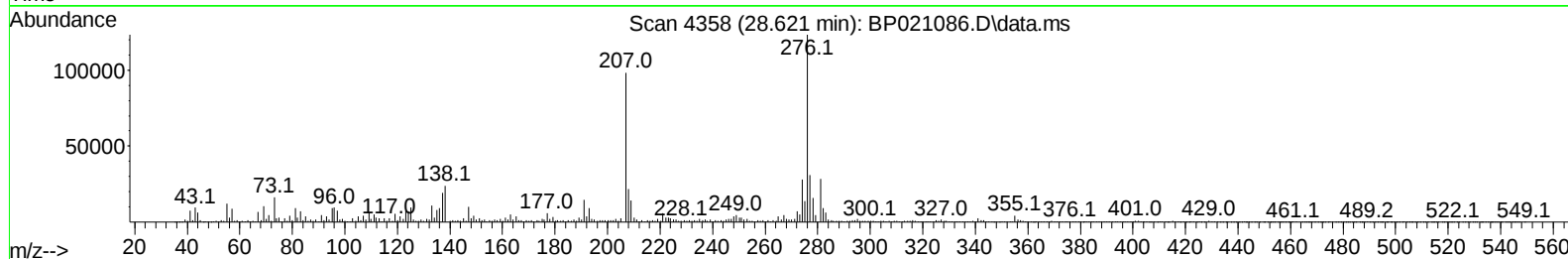
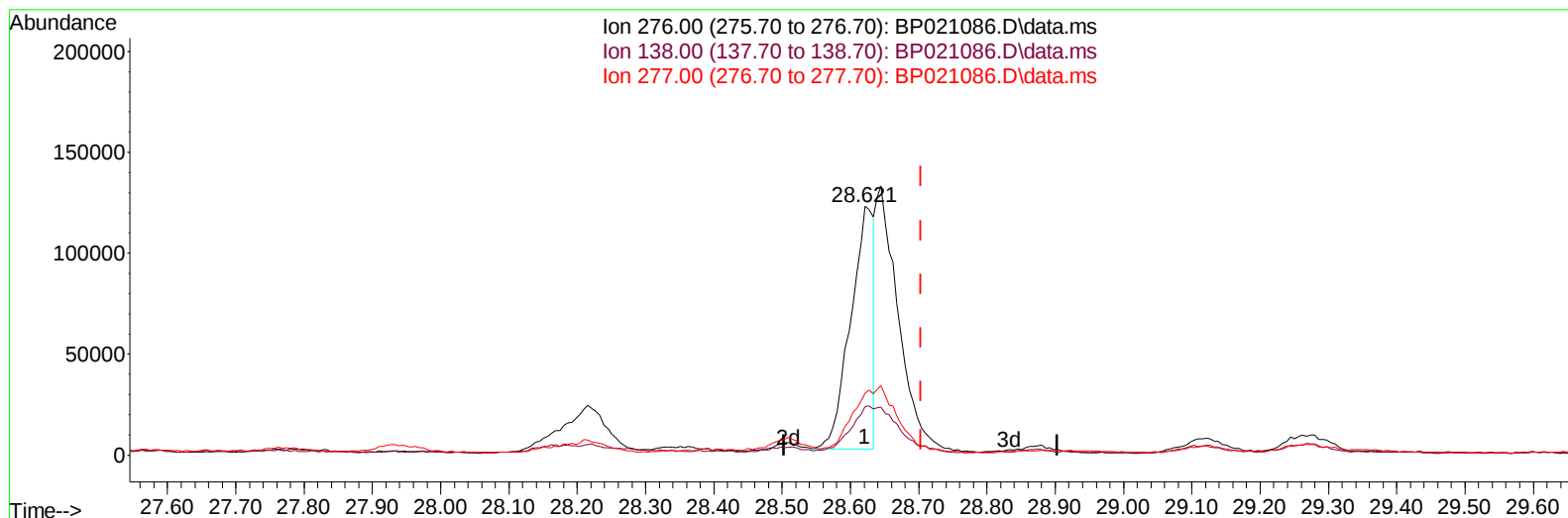
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

28.621min (-0.082) 2.75 ng/u1

response 280788

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	19.48
277.00	24.00	24.95
0.00	0.00	0.00

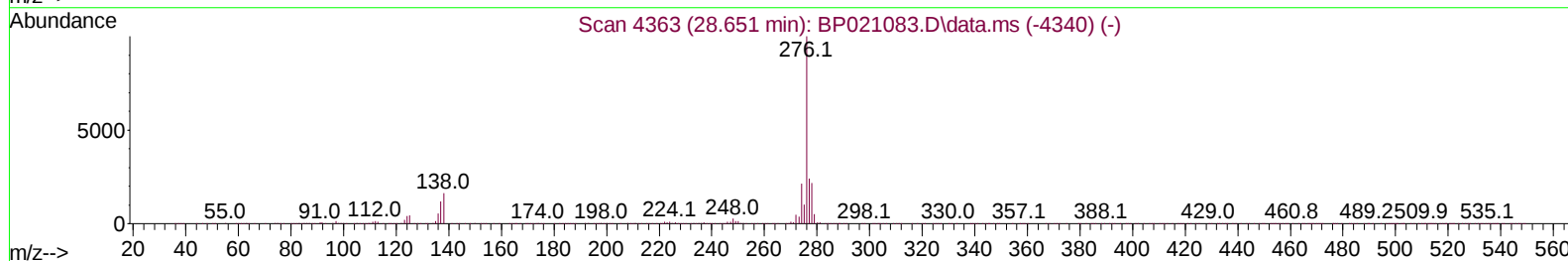
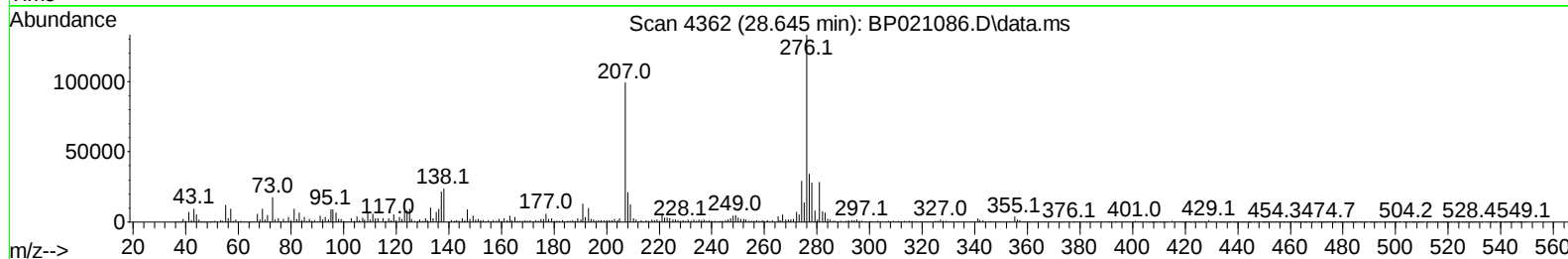
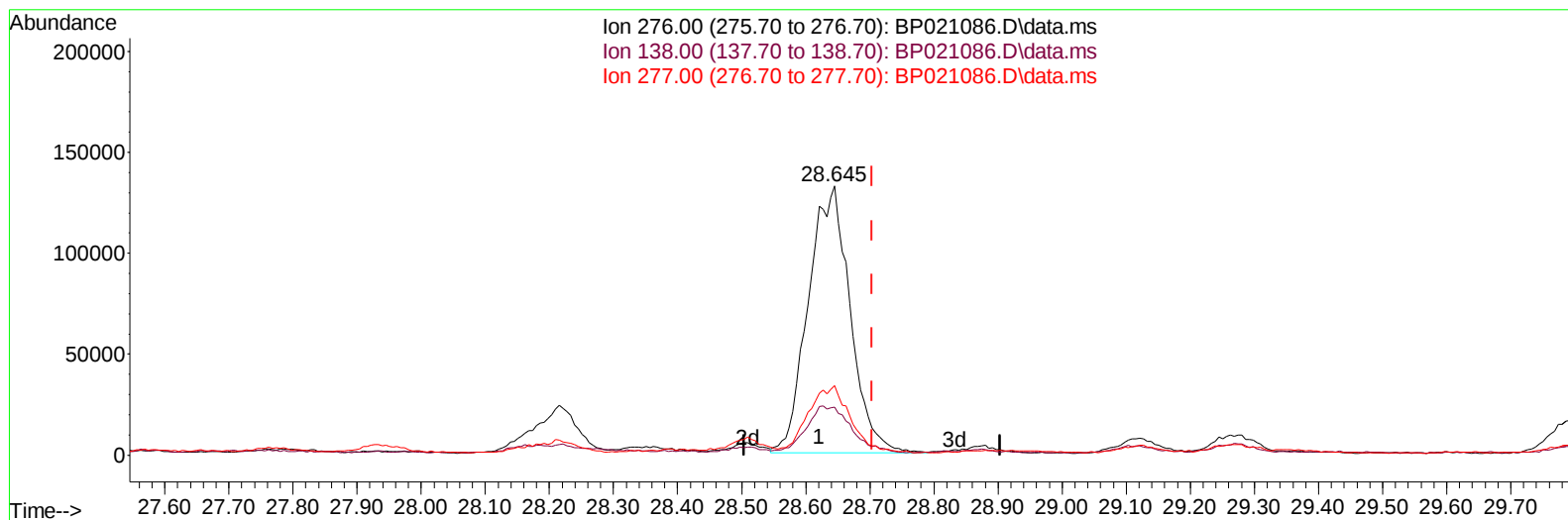
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

28.645min (-0.059) 5.86 ng/u1 m

response 598875

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	17.87
277.00	24.00	25.78
0.00	0.00	0.00

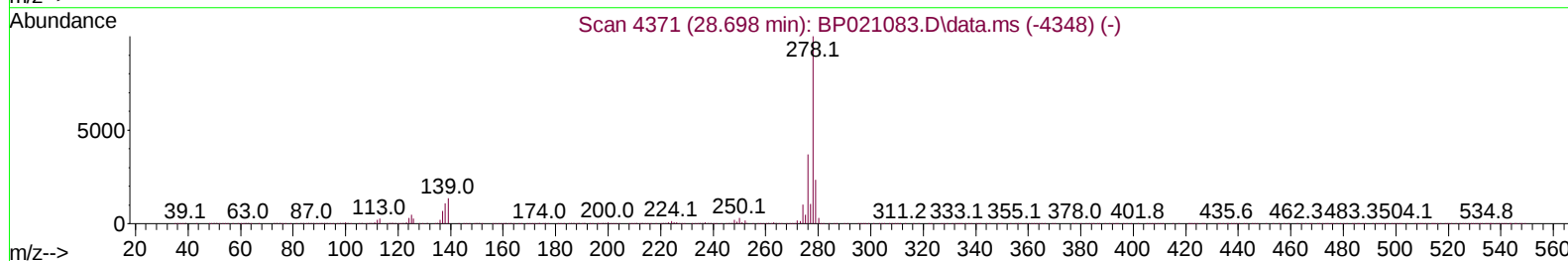
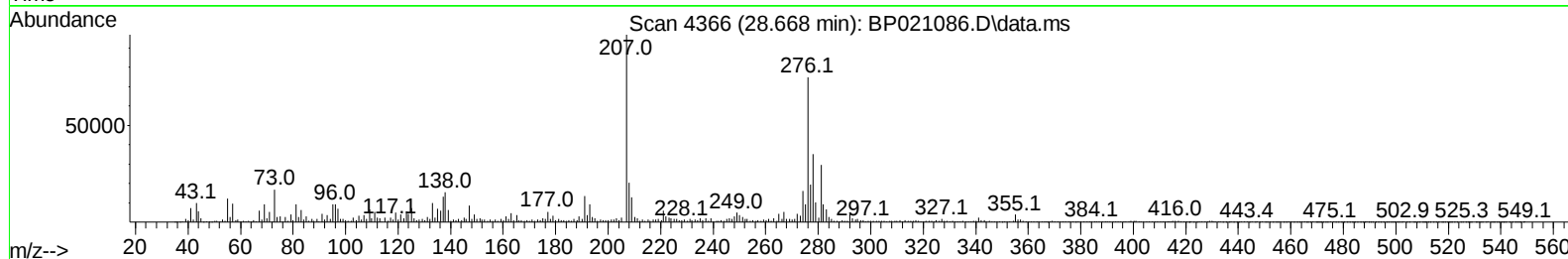
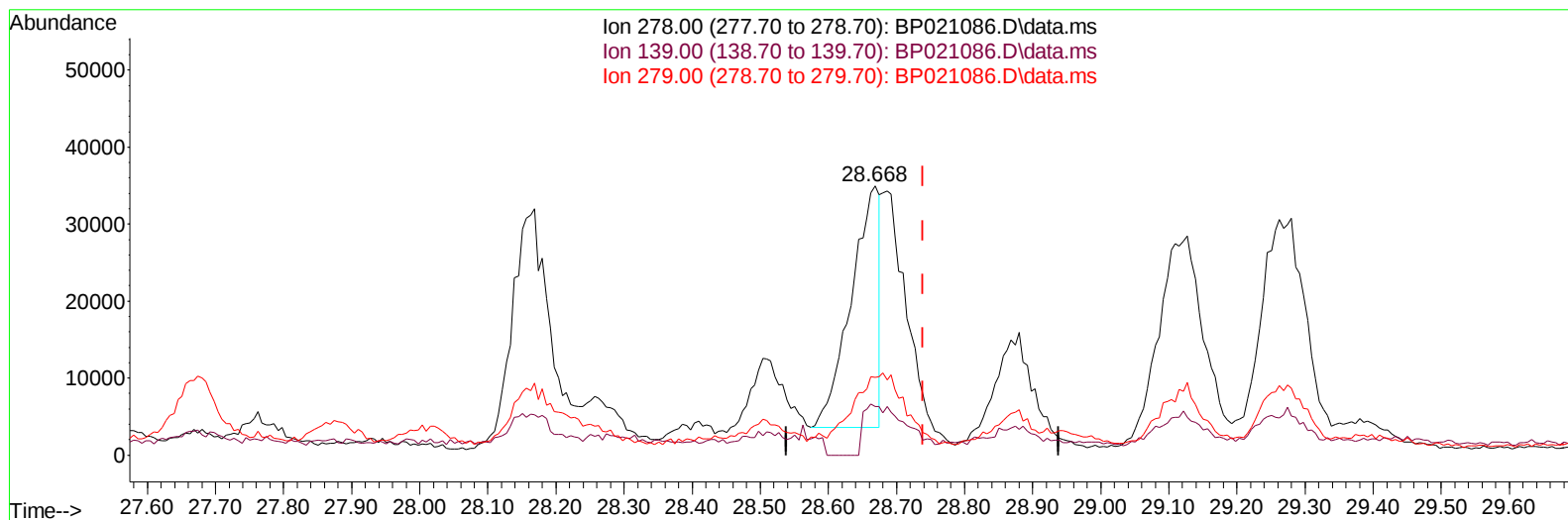
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:52:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(95) Dibenzo(a,h)anthracene

28.668min (-0.070) 1.07 ng/u1

response 90961

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	18.11#
279.00	24.20	28.92
0.00	0.00	0.00

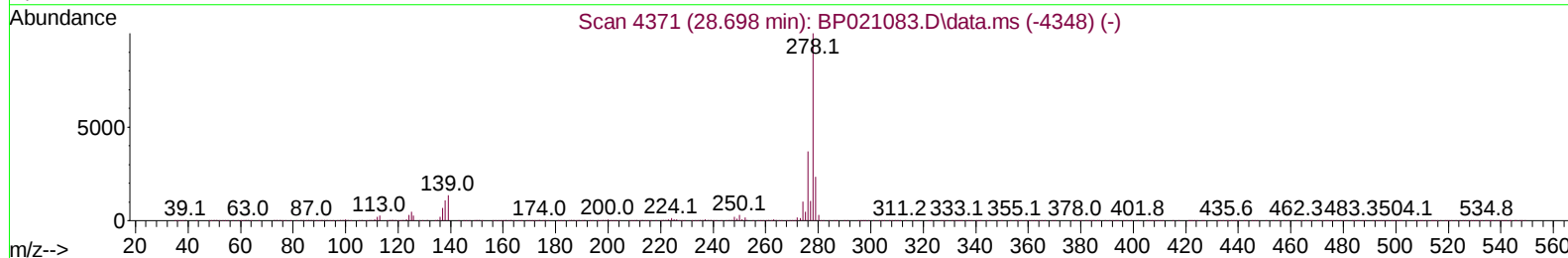
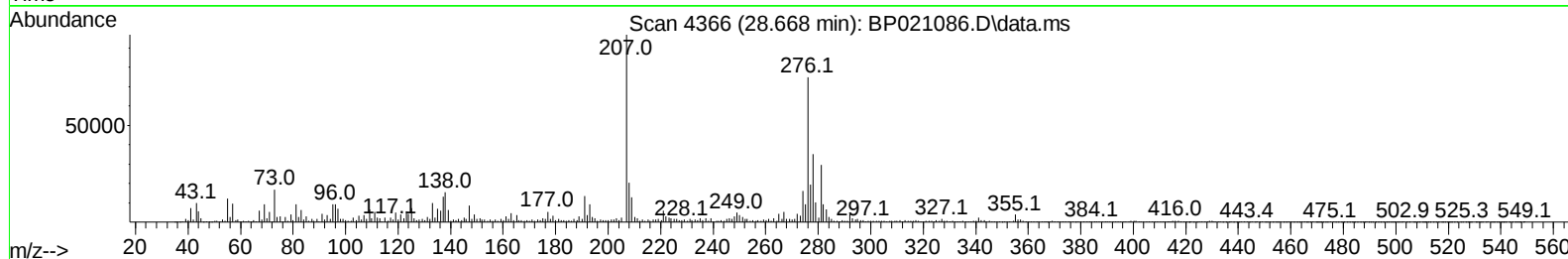
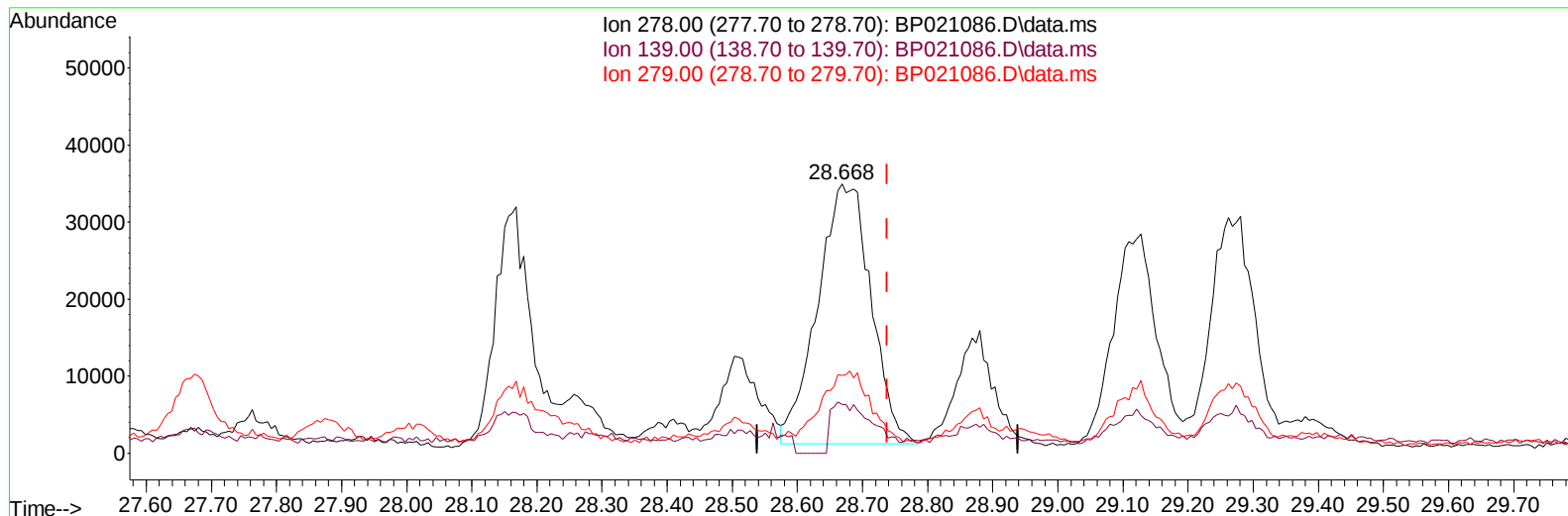
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 02:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

(95) Dibenzo(a,h)anthracene

28.668min (-0.070) 2.26 ng/ul m

response 191563

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	18.11#
279.00	24.20	28.92
0.00	0.00	0.00

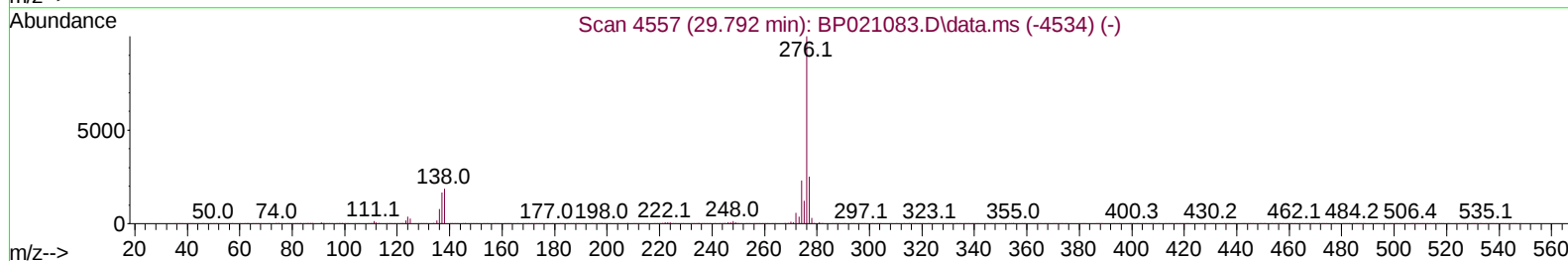
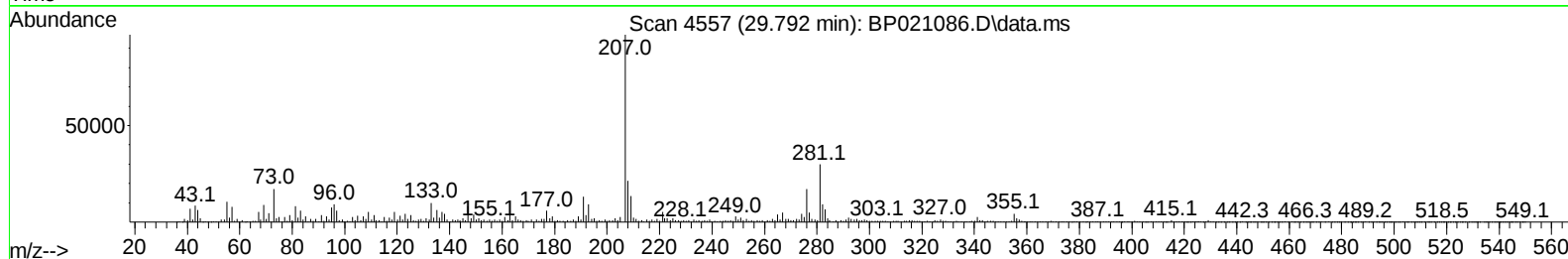
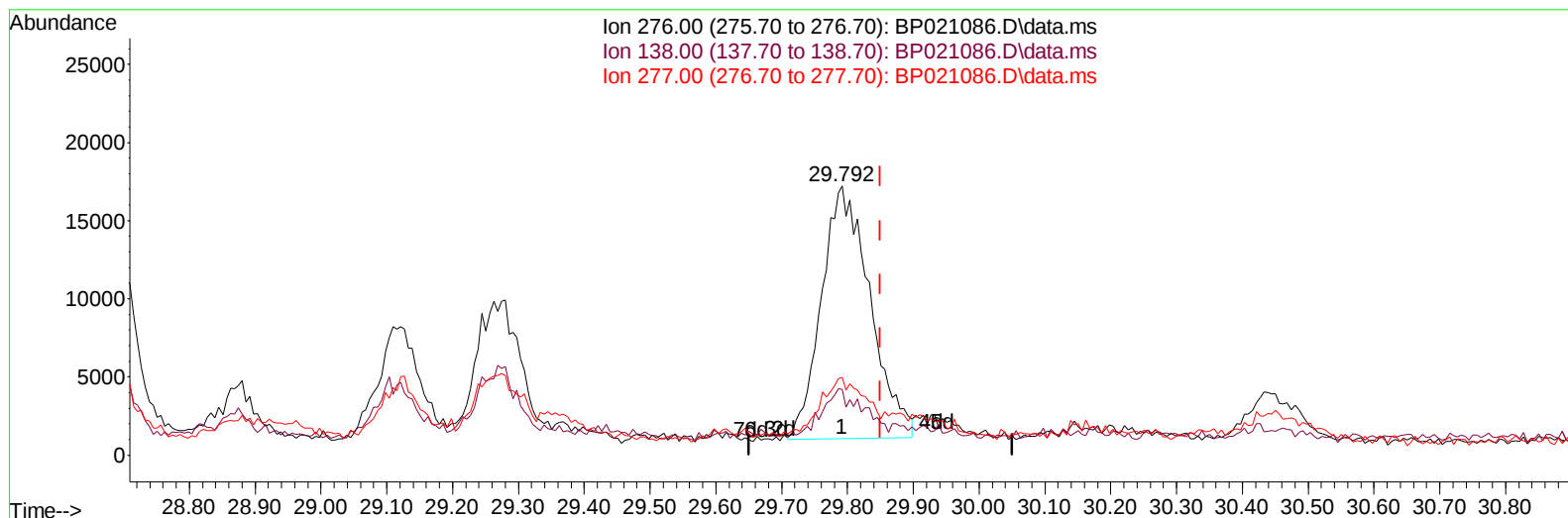
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 02:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

29.792min (-0.059) 0.99 ng/u1

response 82690

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	24.40#
277.00	22.70	28.91#
0.00	0.00	0.00

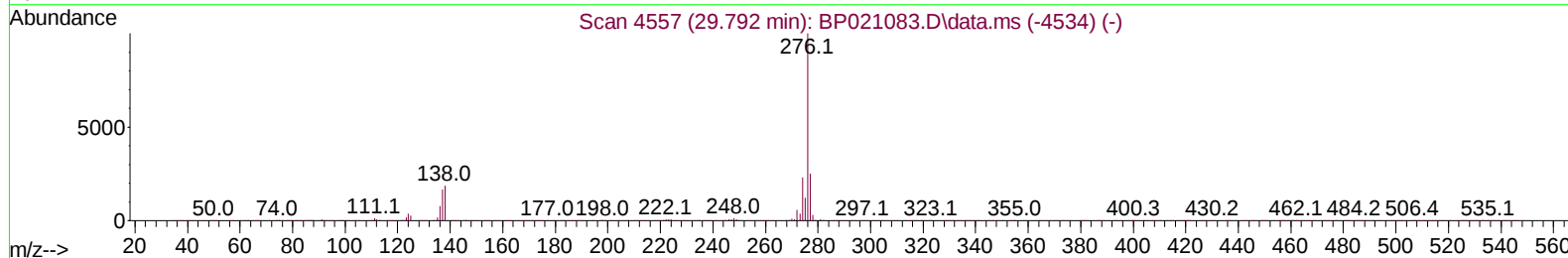
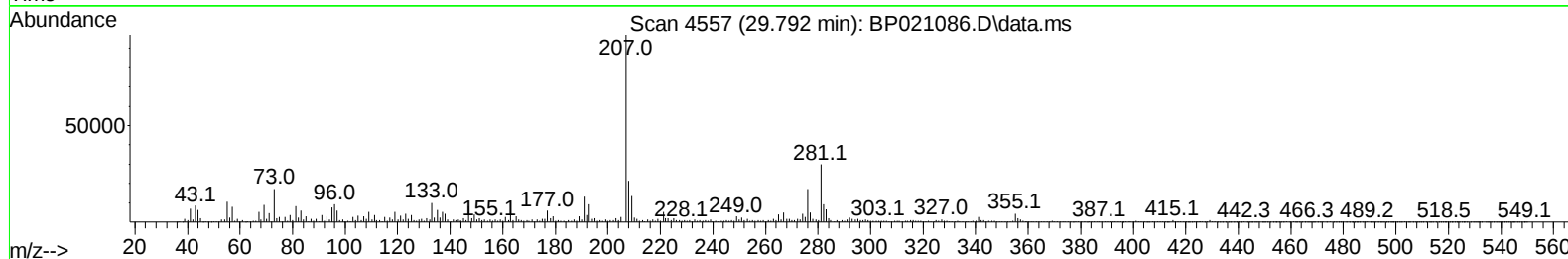
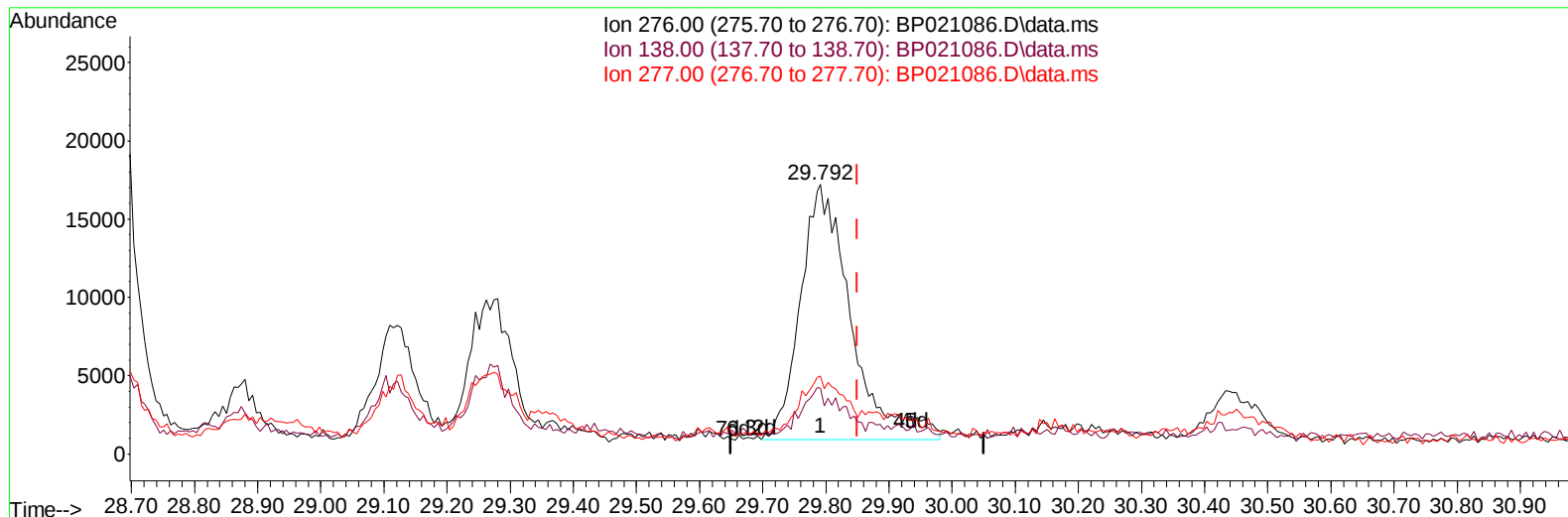
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 02:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021086.D\data.ms

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

29.792min (-0.059) 1.09 ng/u1 m

response 90706

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	24.40#
277.00	22.70	28.91#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021086.D
 Acq On : 22 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:00:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.681	152		205182	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.440	136		830172	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.293	164		540849	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.110	188		1191207	20.000	ng/ul	-0.02
79) Chrysene-d12	21.557	240		1156775	20.000	ng/ul	-0.02
88) Perylene-d12	24.874	264		1383936	20.000	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.223	96		11794	2.616	ng/uL	-0.01
4) Pyridine-d5	0.000	84		0d	0.000	ng/ul	
7) Phenol-d5	6.887	99		244673	14.627	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	7.028	67		147596	14.559	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.228	132		208160	15.103	ng/ul	-0.01
15) 4-Methylphenol-d8	8.399	113		190279	13.696	ng/ul	-0.02
21) Nitrobenzene-d5	8.834	128		99562	15.441	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.540	143		110064	14.913	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.093	165		192768m	14.445	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.593	131		106985m	6.051	ng/ul	0.00
46) Dimethylphthalate-d6	13.698	166		617373	15.702	ng/ul	-0.02
49) Acenaphthylene-d8	13.975	160		728618	16.504	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.604	143		53922m	9.639	ng/ul	0.00
60) Fluorene-d10	15.304	176		570200	17.678	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.475	200		53210	7.383	ng/ul	0.00
73) Anthracene-d10	17.210	188		876242	16.562	ng/ul	-0.02
81) Pyrene-d10	19.598	212		995931	13.926	ng/ul	-0.02
92) Benzo(a)pyrene-d12	24.627	264		867681	12.712	ng/ul	-0.06
Target Compounds							
						Qvalue	
52) Acenaphthene	14.351	153		42329	1.276	ng/ul	100
61) Fluorene	15.363	166		50639	1.366	ng/ul	97
72) Phenanthrene	17.157	178		1110059	17.964	ng/ul	99
74) Anthracene	17.245	178		214030	3.397	ng/ul	99
77) Carbazole	17.545	167		111905	2.173	ng/ul	99
80) Fluoranthene	19.251	202		2268638	26.267	ng/ul	98
82) Pyrene	19.633	202		1630679	18.554	ng/ul	100
85) Benzo(a)anthracene	21.539	228		970108	11.972	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.445	149		219066	4.157	ng/ul	99
87) Chrysene	21.604	228		1107632	14.710	ng/ul	97
90) Benzo(b)fluoranthene	23.810	252		1525655	18.166	ng/ul	96
91) Benzo(k)fluoranthene	23.880	252		518188m	6.183	ng/ul	
93) Benzo(a)pyrene	24.704	252		609151	7.675	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.645	276		598875m	5.856	ng/ul	
95) Dibenzo(a,h)anthracene	28.668	278		191563m	2.262	ng/ul	
96) Benzo(g,h,i)perylene	29.792	276		90706m	1.089	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:00:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

