

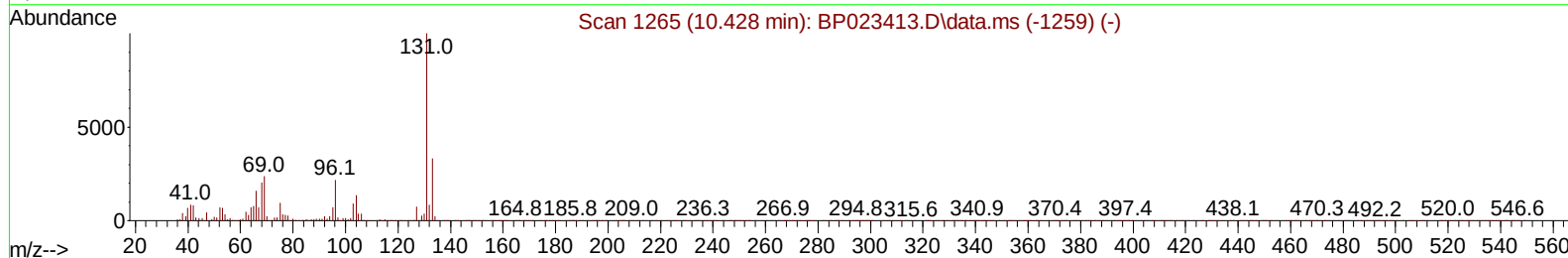
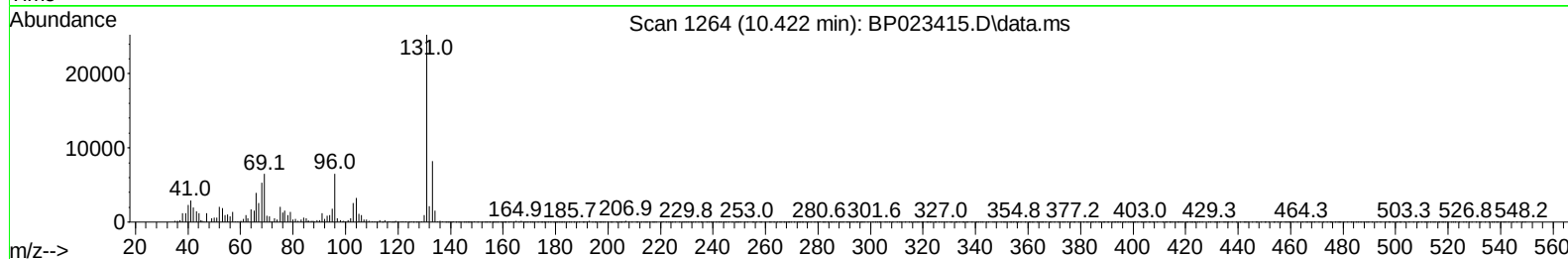
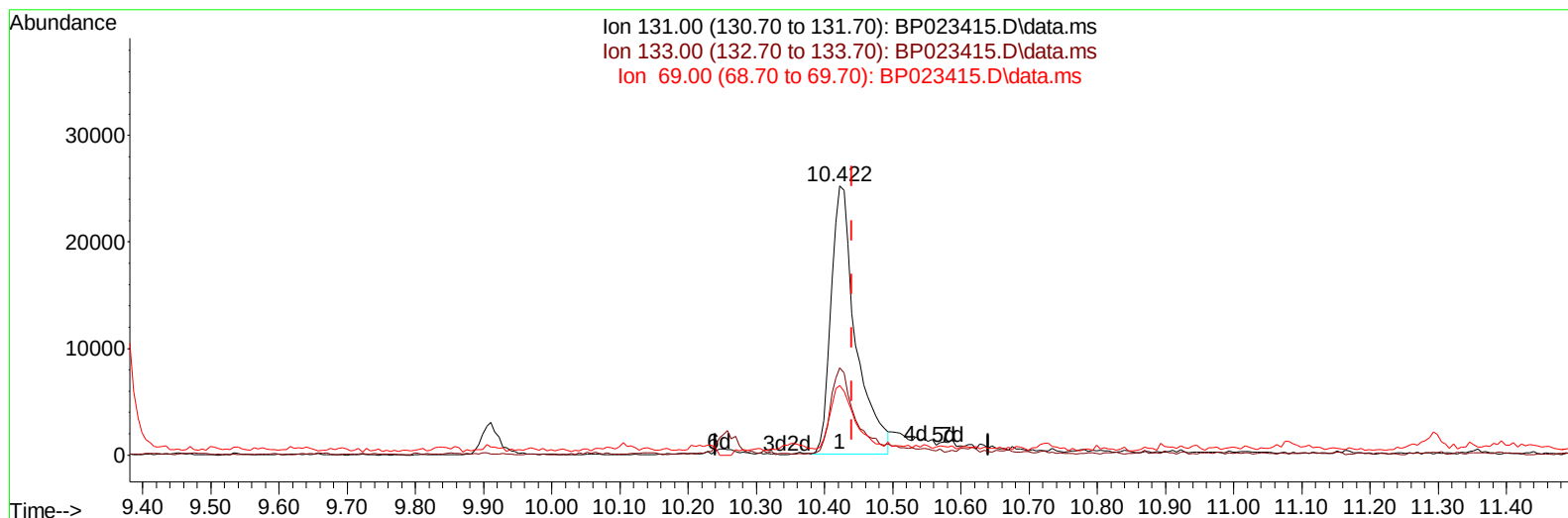
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.422min (-0.018) 6.74 ng/u1

response 63413

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	31.60	32.54
69.00	24.30	25.72
0.00	0.00	0.00

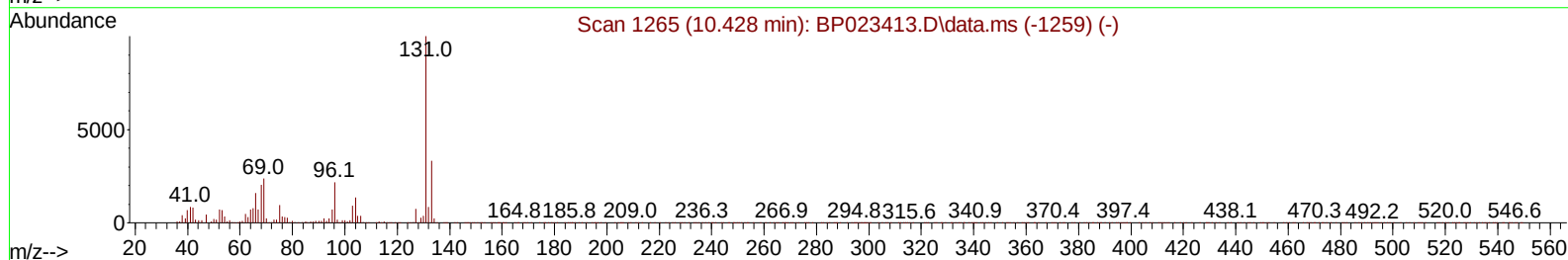
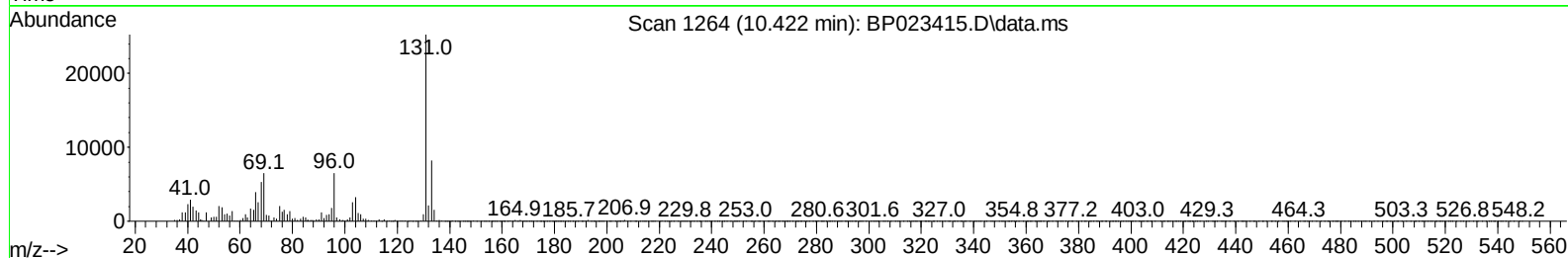
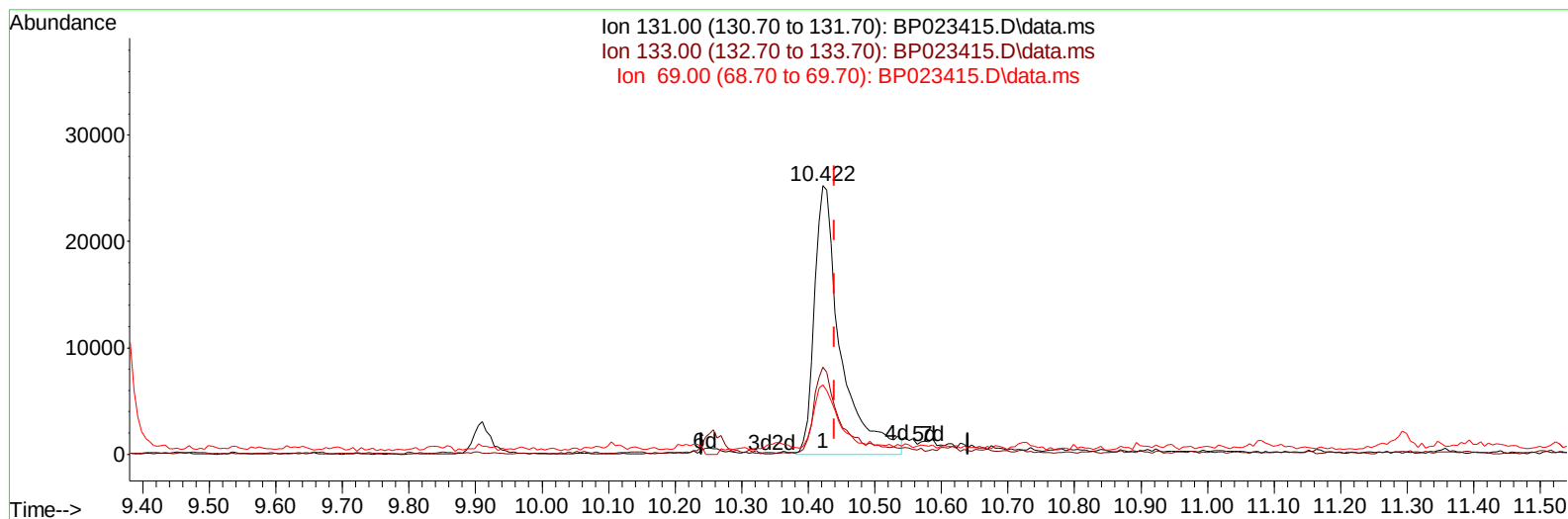
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.422min (-0.018) 7.35 ng/ul m

response 69150

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	31.60	32.54
69.00	24.30	25.72
0.00	0.00	0.00

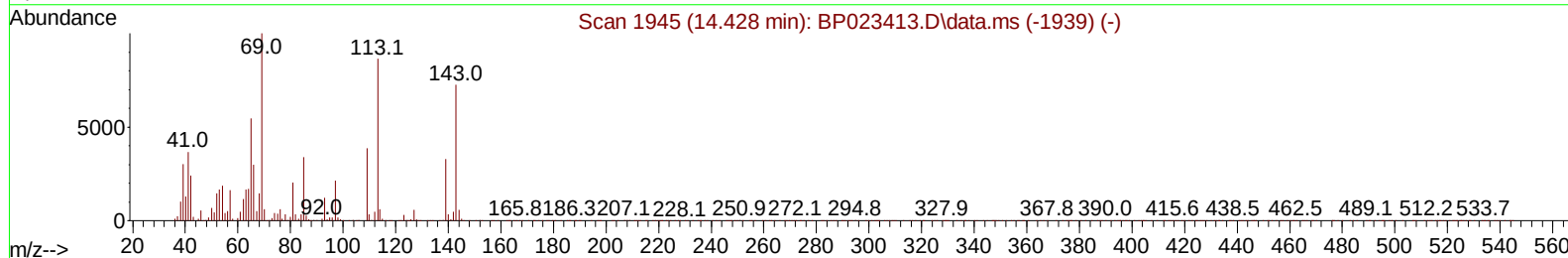
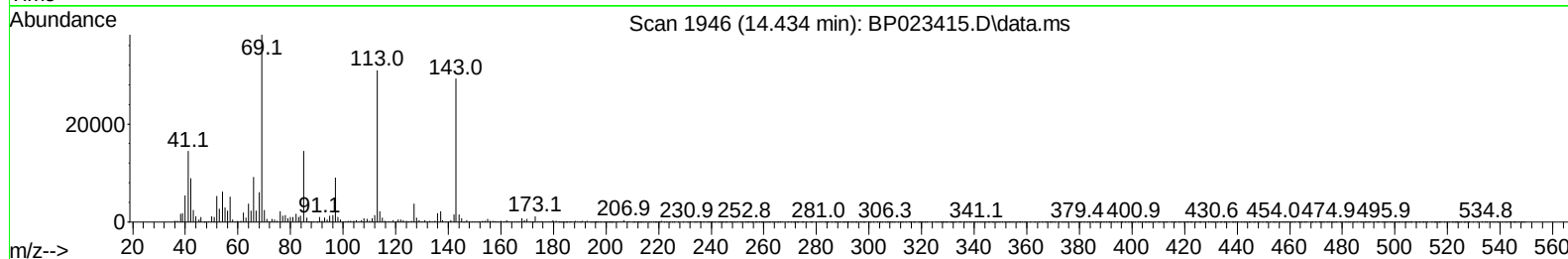
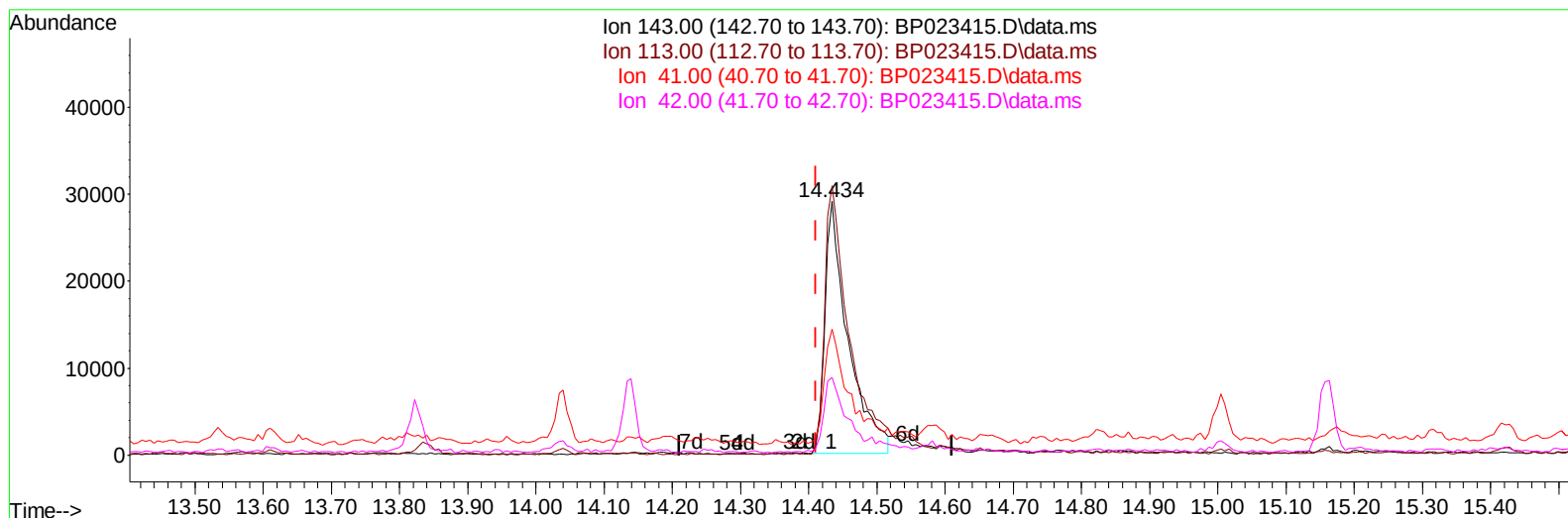
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.434min (+ 0.023) 19.92 ng/ul

response 68325

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.10	106.00
41.00	45.60	49.54
42.00	31.70	30.74

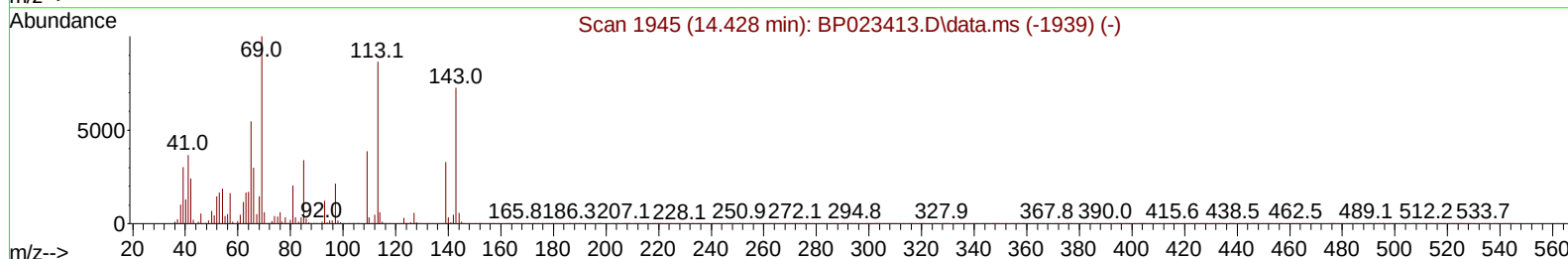
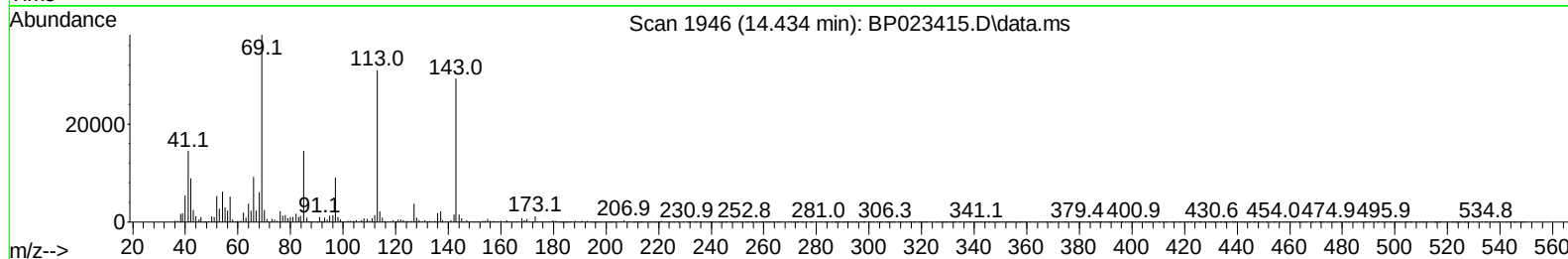
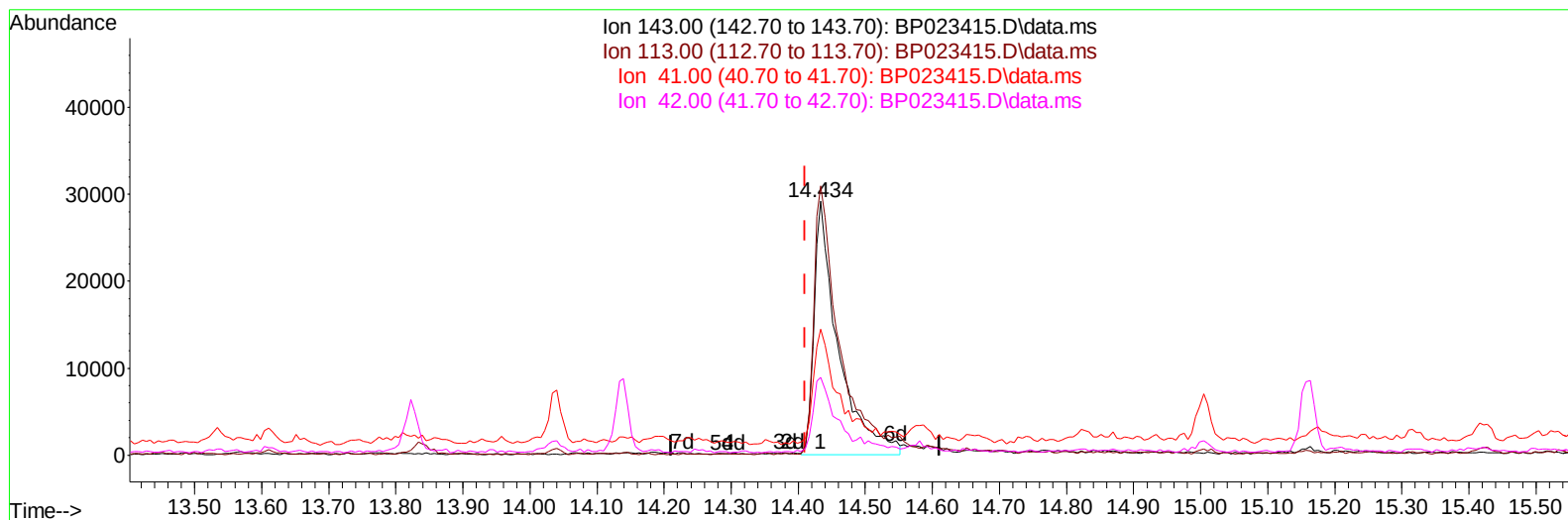
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.434min (+ 0.023) 21.32 ng/ul m

response 73115

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.10	106.00
41.00	45.60	49.54
42.00	31.70	30.74

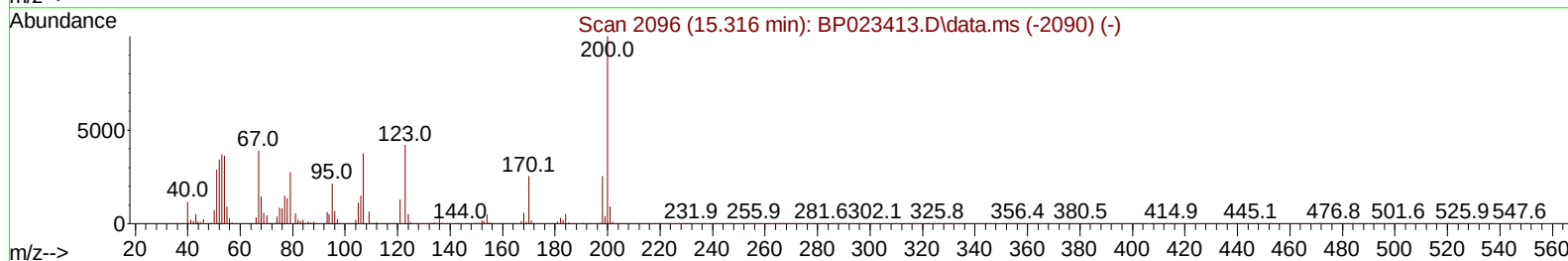
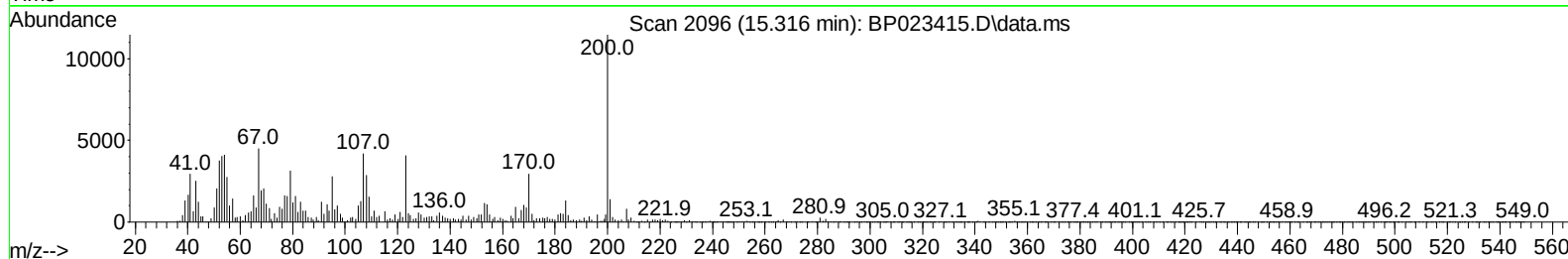
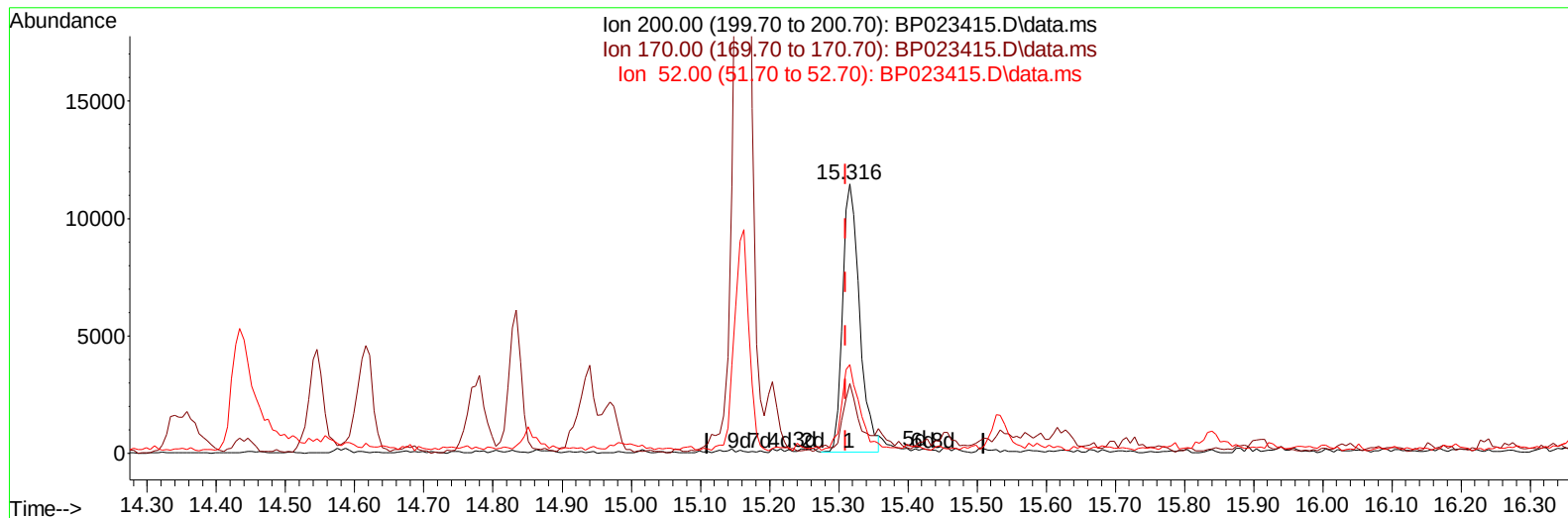
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
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QLast Update : Wed Dec 11 00:30:30 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BP023415.D\data.ms

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

15.316min (+ 0.006) 4.03 ng/u1

response 19611

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	23.30	25.80
52.00	37.90	32.88
0.00	0.00	0.00

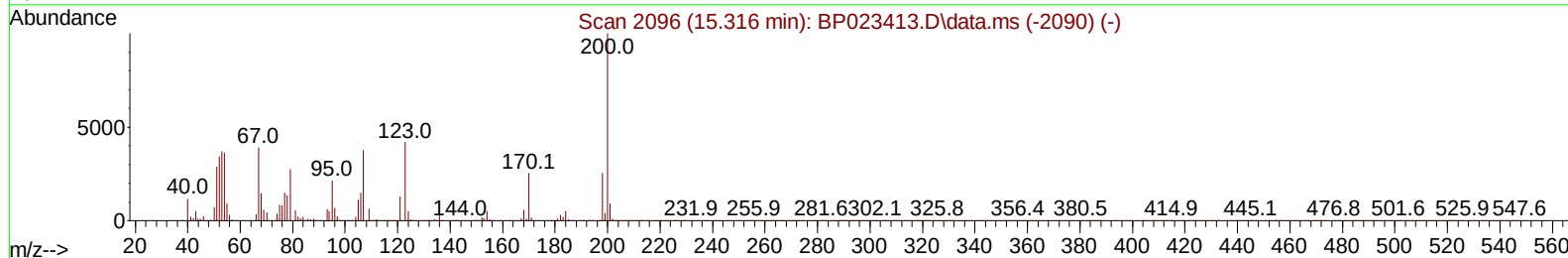
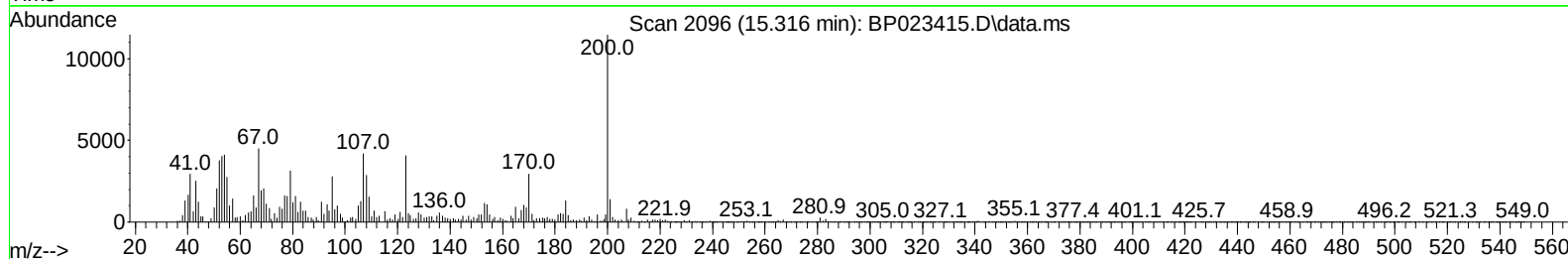
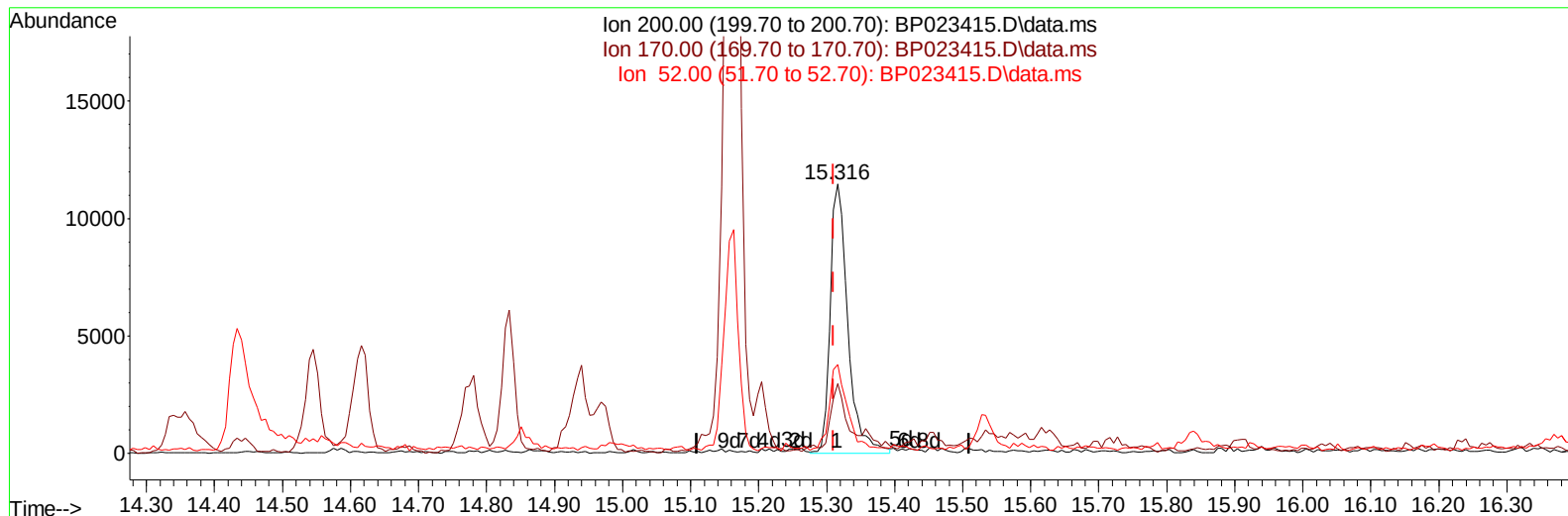
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:07:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

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

15.316min (+ 0.006) 4.22 ng/ul m

response 20512

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	23.30	25.80
52.00	37.90	32.88
0.00	0.00	0.00

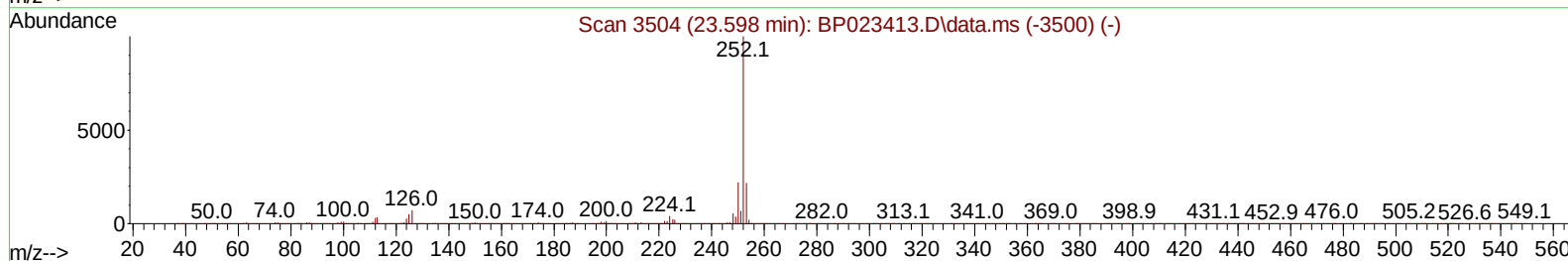
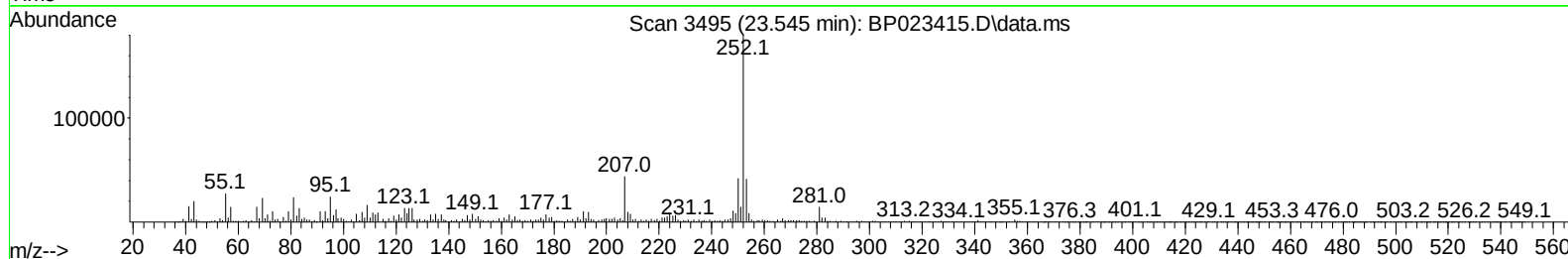
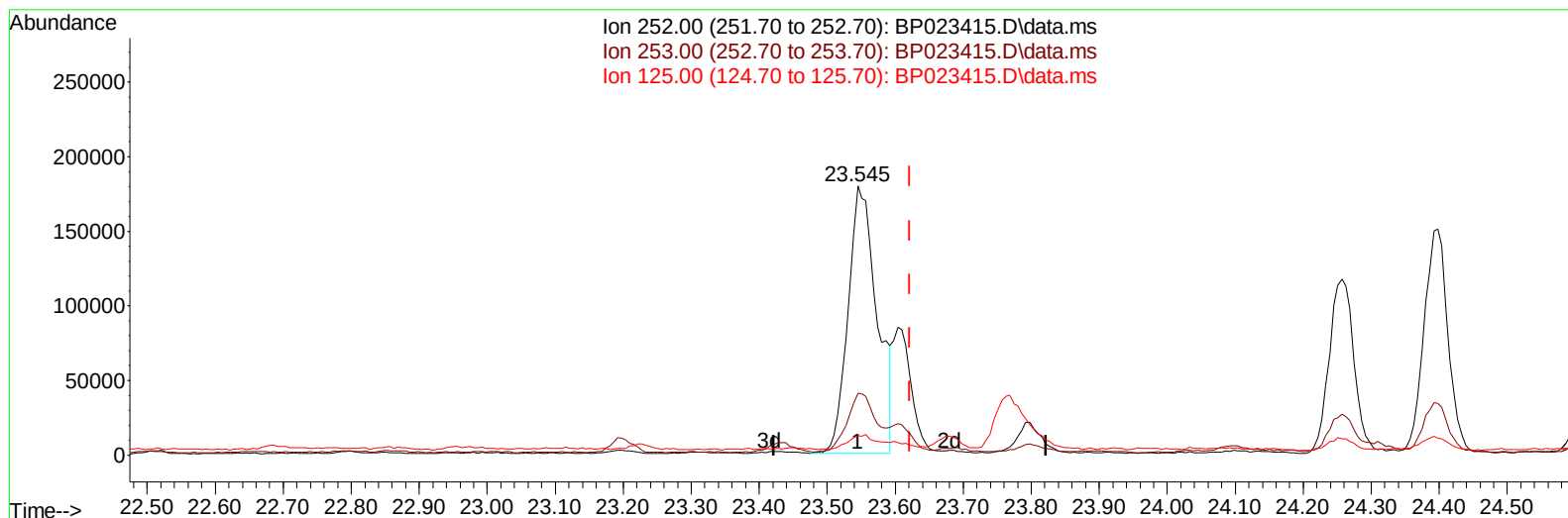
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(91) Benzo(k)fluoranthene

23.545min (-0.077) 9.03 ng/u1

response 531247

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	23.09
125.00	5.40	7.31#
0.00	0.00	0.00

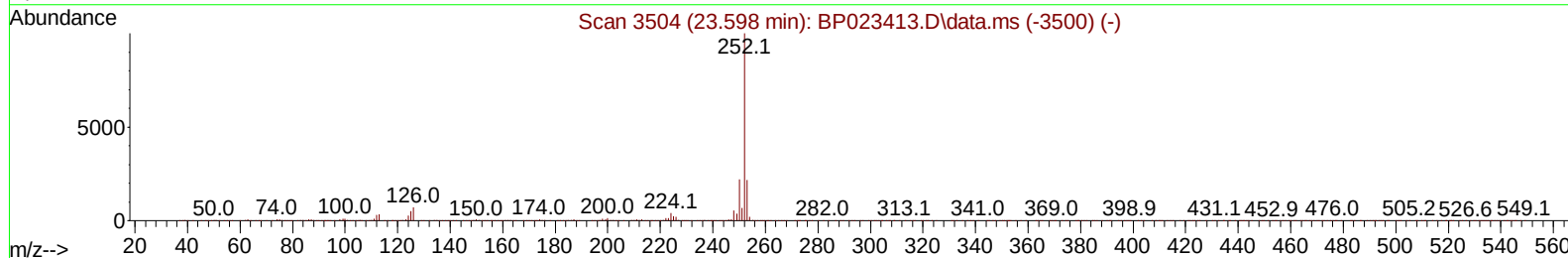
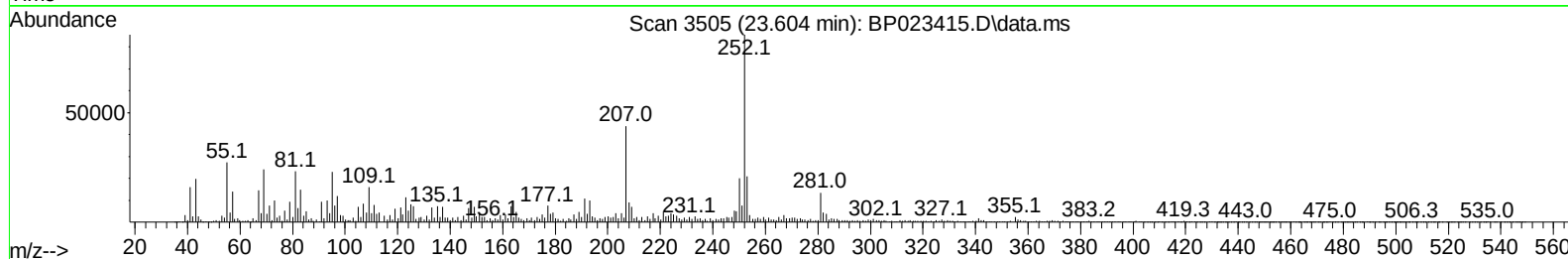
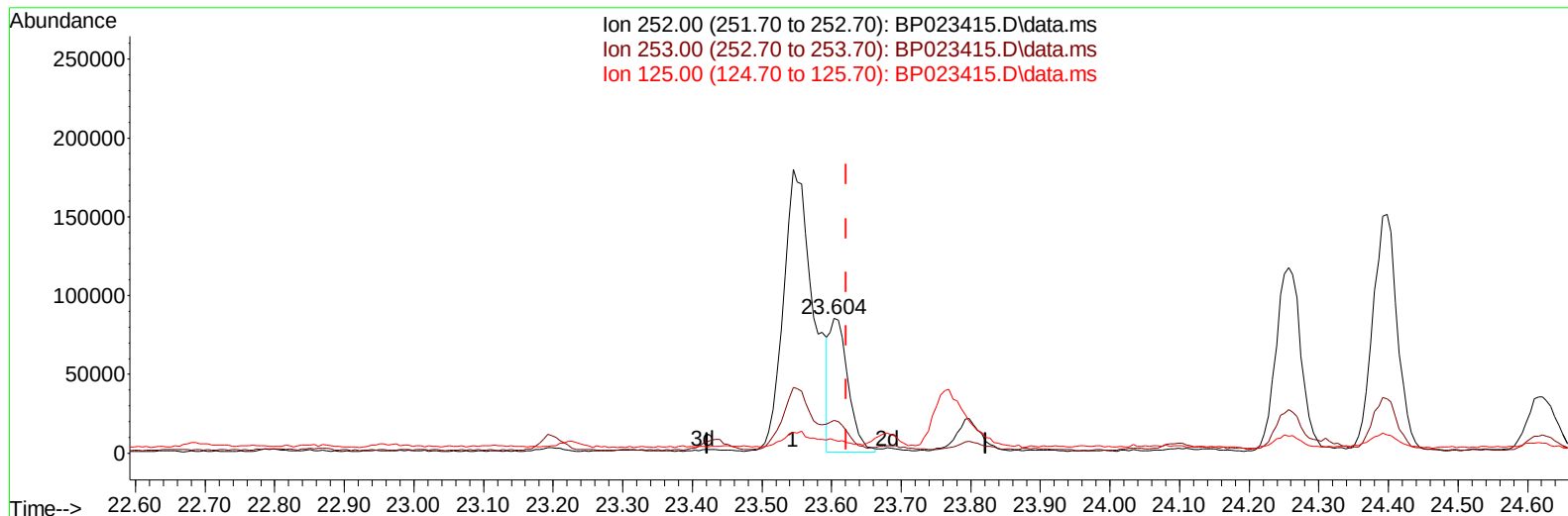
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

(91) Benzo(k)fluoranthene

23.604min (-0.018) 2.68 ng/ul m

response 157908

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	24.46
125.00	5.40	9.51#
0.00	0.00	0.00

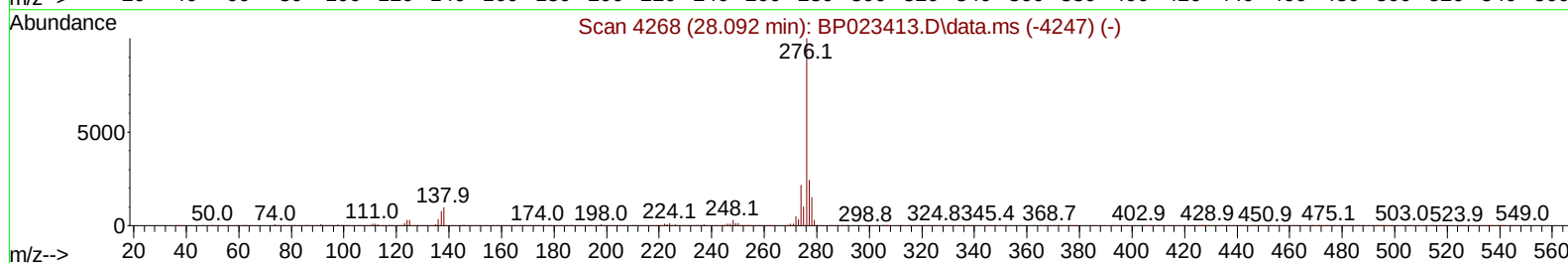
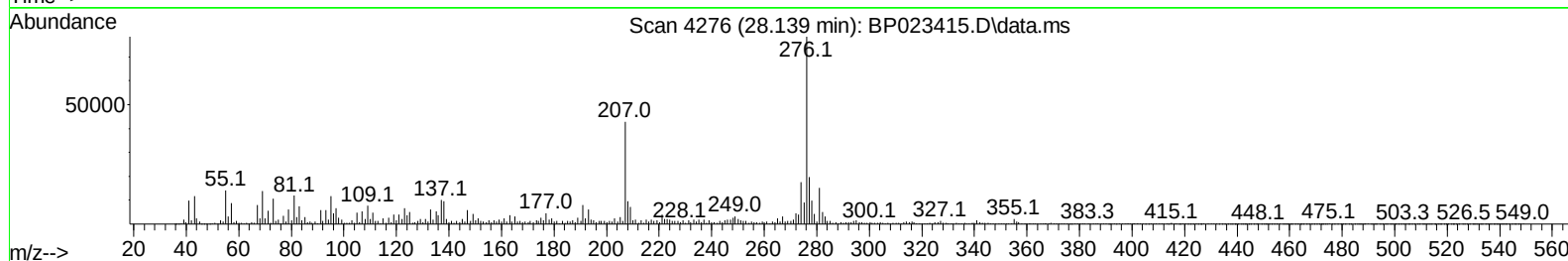
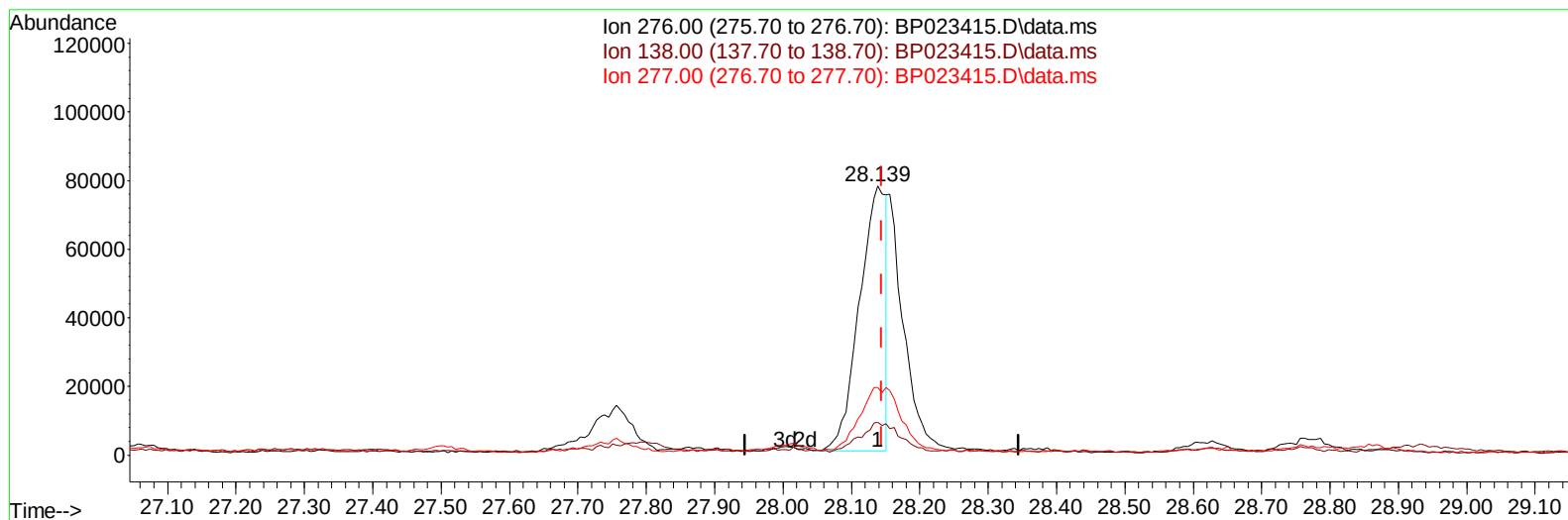
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
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TIC: BP023415.D\data.ms

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

28.139min (-0.006) 3.05 ng/u1

response 209874

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	12.19#
277.00	24.80	25.22
0.00	0.00	0.00

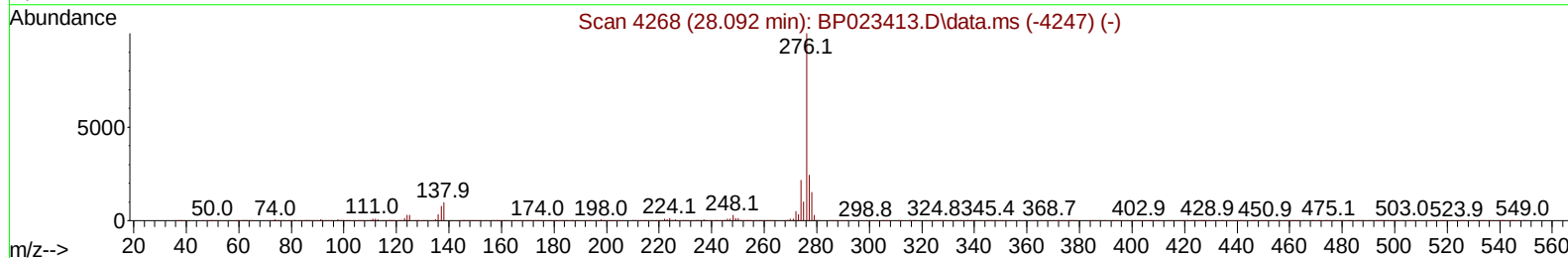
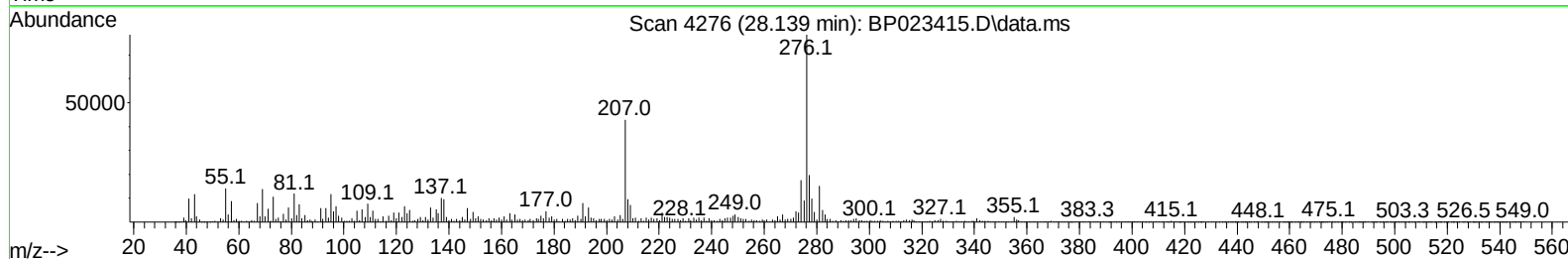
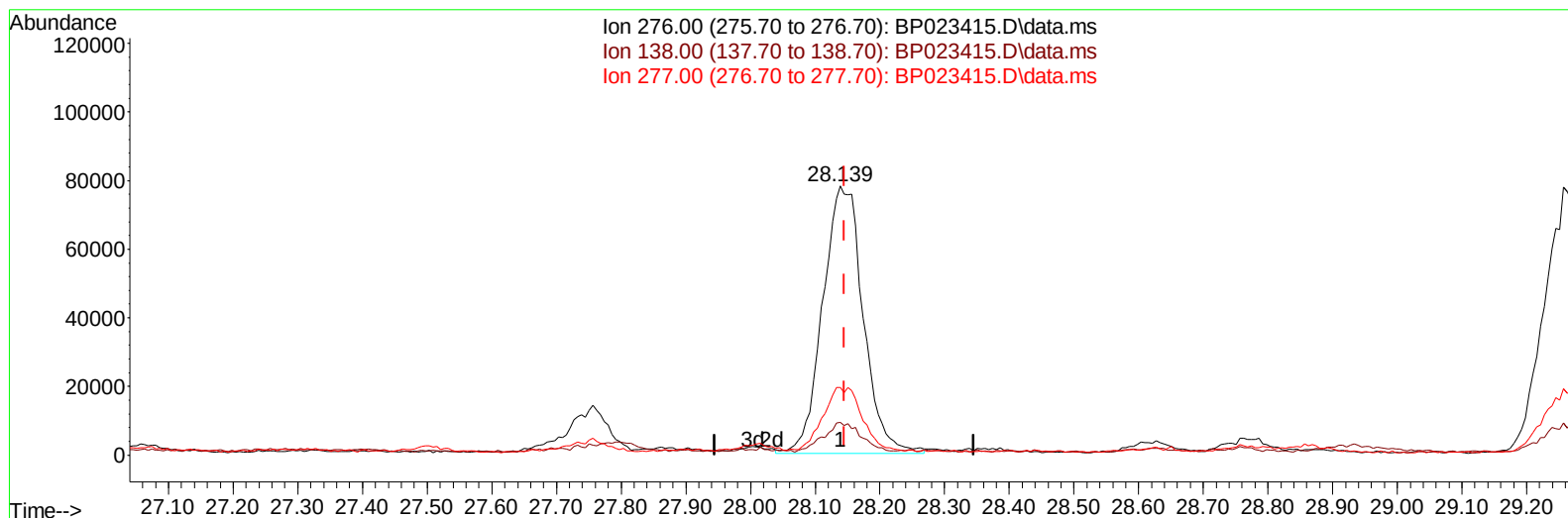
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

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

28.139min (-0.006) 4.90 ng/ul m

response 337664

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	12.19#
277.00	24.80	25.22
0.00	0.00	0.00

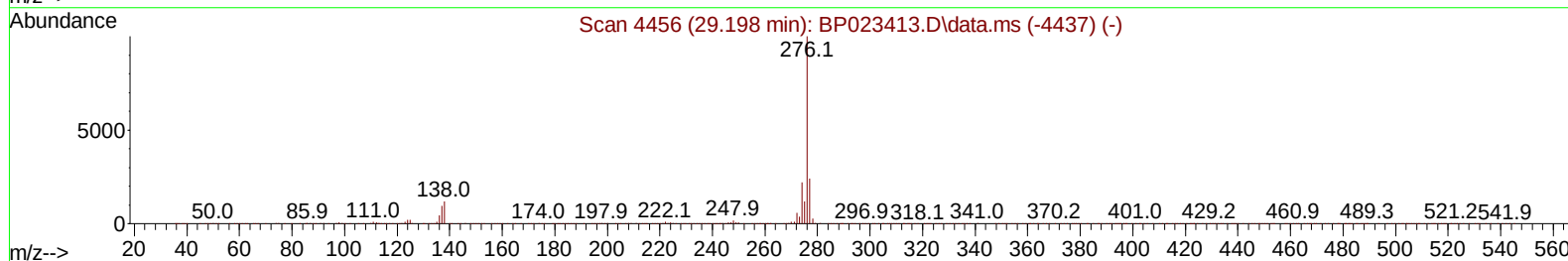
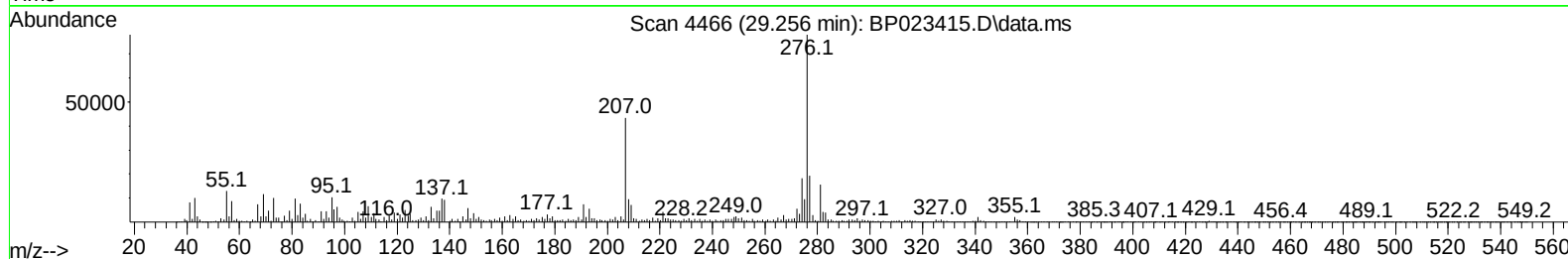
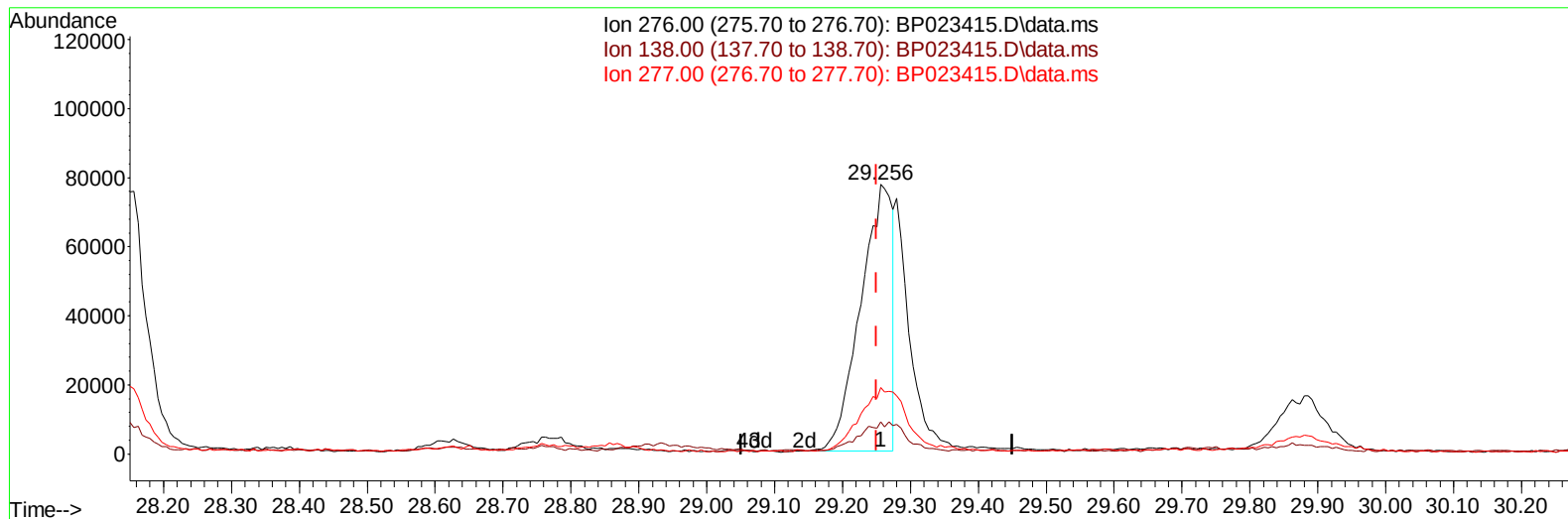
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

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

Quant Time: Dec 13 12:05:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration



TIC: BP023415.D\data.ms

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

29.256min (+ 0.006) 4.76 ng/u1

response 251108

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	11.87
277.00	23.60	24.68
0.00	0.00	0.00

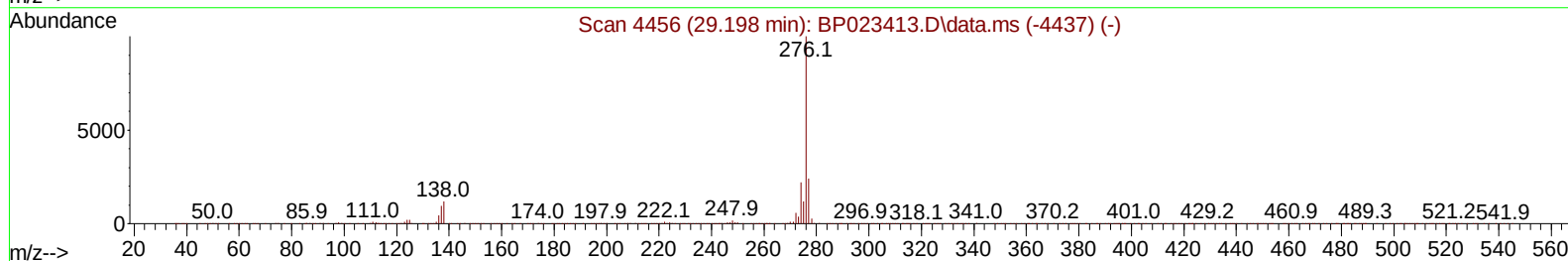
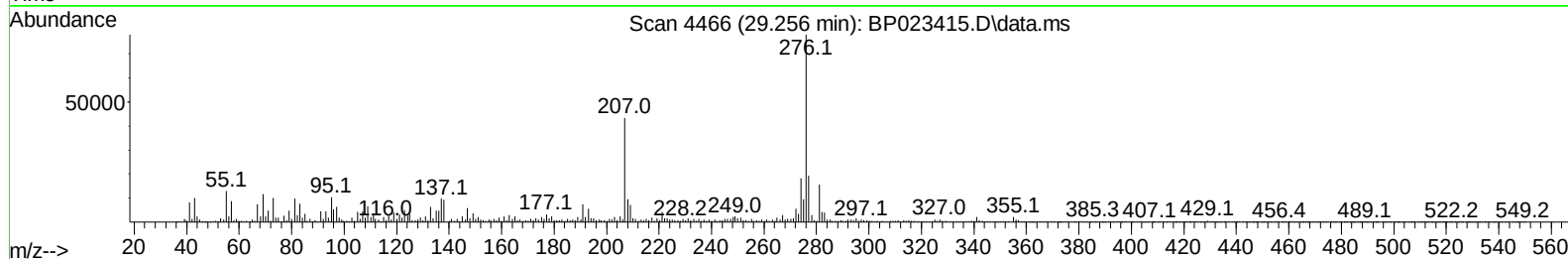
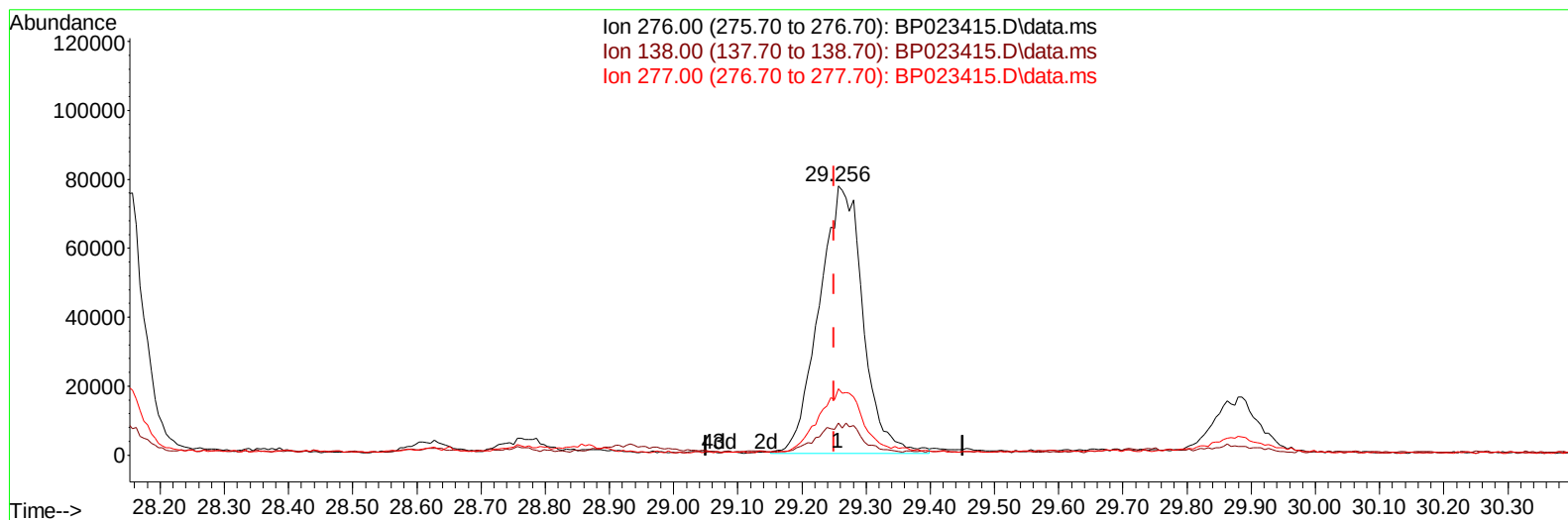
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 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 12:05:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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



TIC: BP023415.D\data.ms

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

29.256min (+ 0.006) 6.97 ng/ul m

response 367955

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	11.87
277.00	23.60	24.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
 Data File : BP023415.D
 Acq On : 13 Dec 2024 11:28
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:01:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.505	152	124279	20.000	ng/ul	-0.04
20) Naphthalene-d8	10.257	136	462499	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.140	164	360511	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.951	188	804994	20.000	ng/ul	0.00
79) Chrysene-d12	21.369	240	837602	20.000	ng/ul	-0.02
88) Perylene-d12	24.539	264	941282	20.000	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.081	96	11232	3.327	ng/uL	-0.02
4) Pyridine-d5	3.493	84	165822	19.103	ng/ul	-0.02
7) Phenol-d5	6.716	99	197738	20.278	ng/ul	-0.03
9) Bis-(2-Chloroethyl)eth...	6.858	67	126114	20.499	ng/ul	-0.04
11) 2-Chlorophenol-d4	7.058	132	145128	20.165	ng/ul	-0.03
15) 4-Methylphenol-d8	8.222	113	139801	17.763	ng/ul	-0.04
21) Nitrobenzene-d5	8.652	128	68773	19.913	ng/ul	-0.04
24) 2-Nitrophenol-d4	9.363	143	83450	20.965	ng/ul	-0.03
28) 2,4-Dichlorophenol-d3	9.905	165	170183	20.258	ng/ul	-0.03
31) 4-Chloroaniline-d4	10.422	131	69150m	7.348	ng/ul	-0.02
46) Dimethylphthalate-d6	13.540	166	533887	19.077	ng/ul	-0.02
49) Acenaphthylene-d8	13.822	160	566677	19.197	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.434	143	73115m	21.319	ng/ul	0.02
60) Fluorene-d10	15.163	176	472292	19.186	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.316	200	20512m	4.216	ng/ul	0.00
73) Anthracene-d10	17.045	188	774455	21.080	ng/ul	0.00
81) Pyrene-d10	19.433	212	900989	20.589	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.333	264	888581	17.634	ng/ul	-0.01
Target Compounds						
					Qvalue	
8) Phenol	6.746	94	19884	1.959	ng/ul	94
30) Naphthalene	10.305	128	65537	2.707	ng/ul	97
36) 2-Methylnaphthalene	11.928	142	31097	1.732	ng/ul	97
72) Phenanthrene	16.992	178	156702	3.765	ng/ul	100
80) Fluoranthene	19.092	202	255750	5.100	ng/ul#	96
82) Pyrene	19.469	202	268595	5.048	ng/ul	99
85) Benzo(a)anthracene	21.357	228	226589	4.034	ng/ul	96
87) Chrysene	21.416	228	286987	5.332	ng/ul	95
90) Benzo(b)fluoranthene	23.545	252	531247	8.983	ng/ul#	96
91) Benzo(k)fluoranthene	23.604	252	157908m	2.684	ng/ul	
93) Benzo(a)pyrene	24.398	252	366957	6.843	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.139	276	337664m	4.900	ng/ul	
95) Dibenzo(a,h)anthracene	28.168	278	74824	1.357	ng/ul#	95
96) Benzo(g,h,i)perylene	29.256	276	367955m	6.974	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121324\
Data File : BP023415.D
Acq On : 13 Dec 2024 11:28
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 23:01:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

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

