

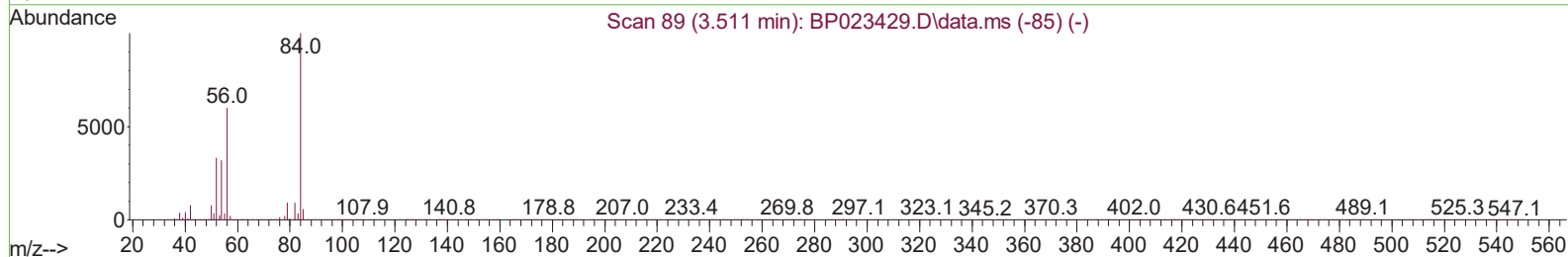
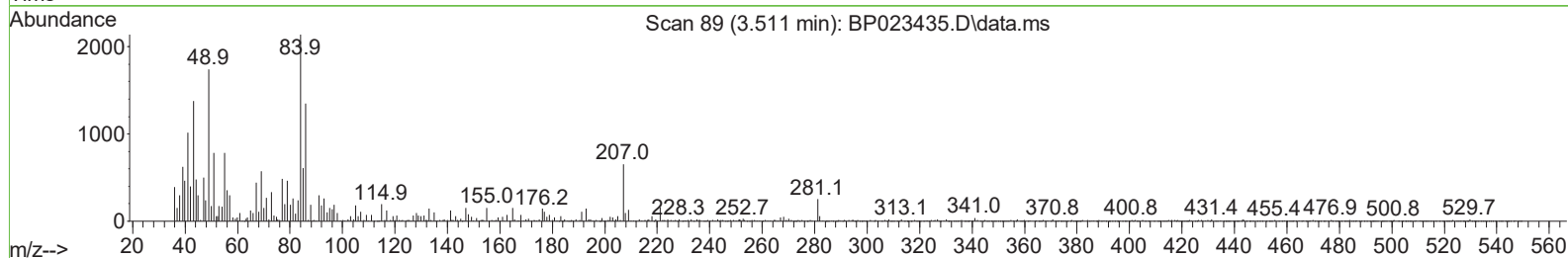
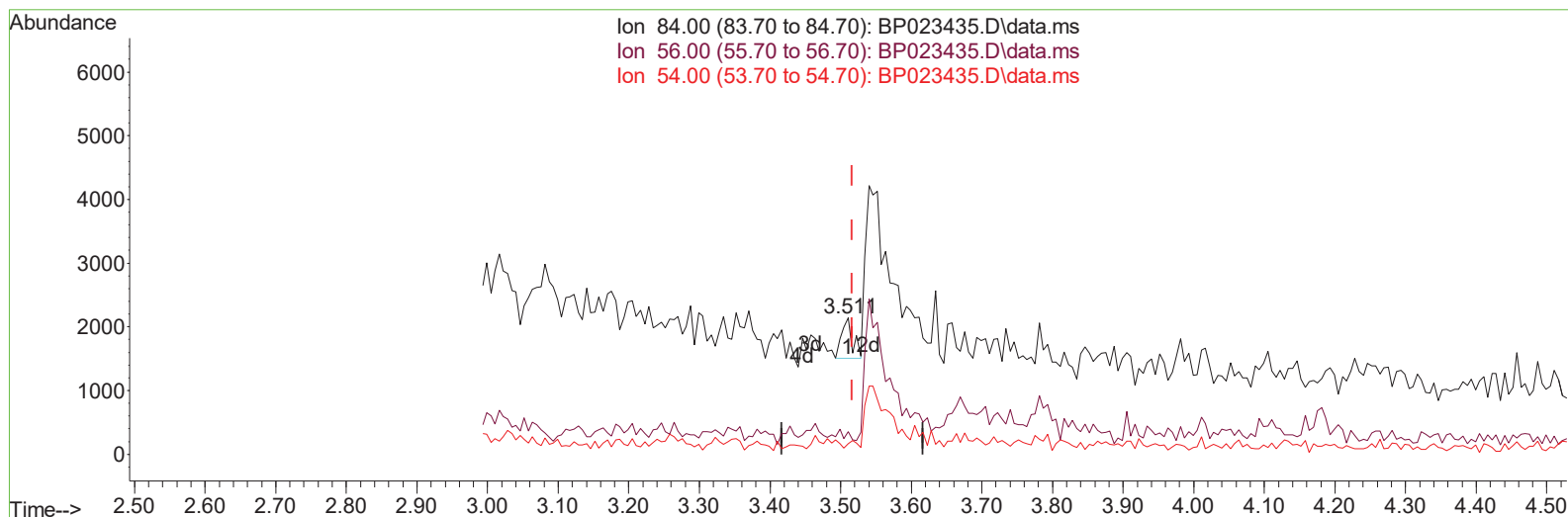
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:22:59 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(4) Pyridine-d5 (S)

3.511min (-0.006) 0.07 ng/u1

response 678

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	62.80	16.64#
54.00	34.40	7.76#
0.00	0.00	0.00

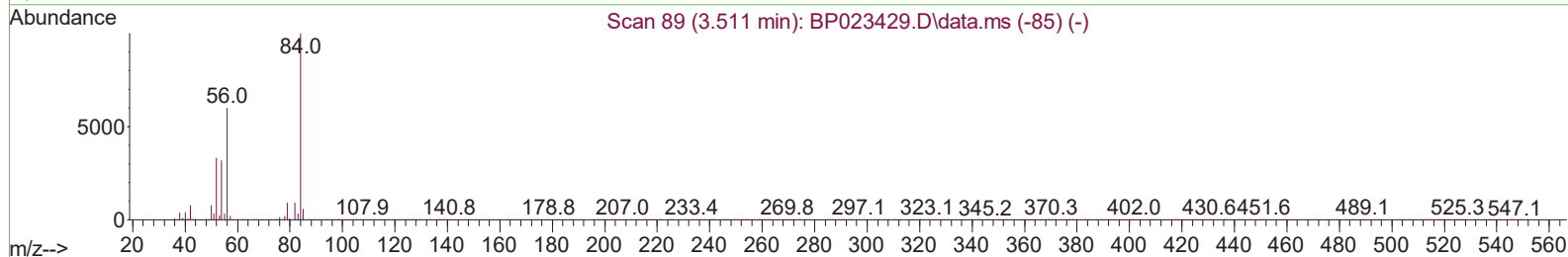
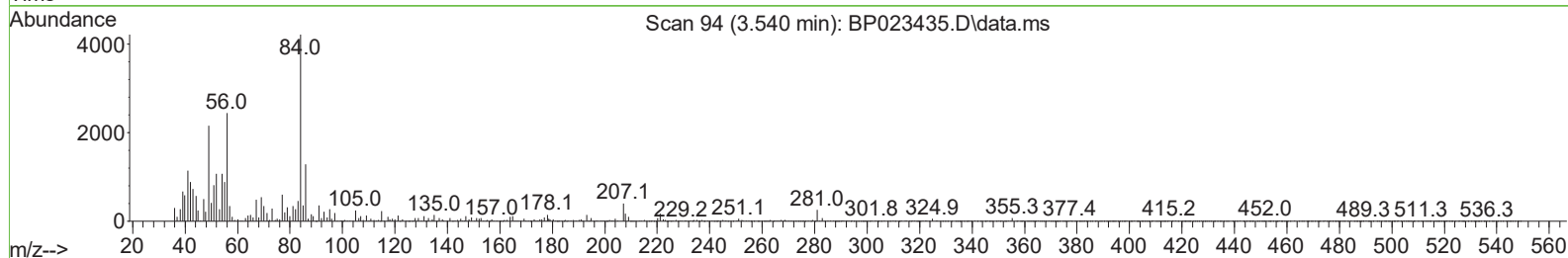
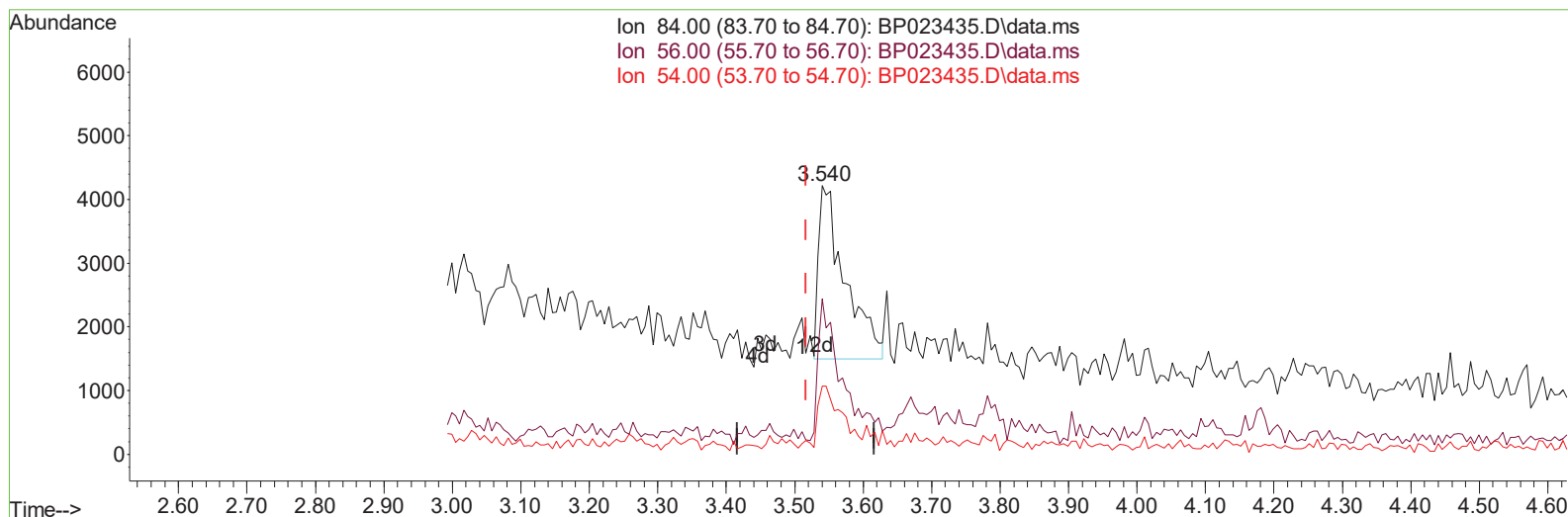
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:22:59 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(4) Pyridine-d5 (S)

3.540min (+ 0.023) 0.70 ng/ul m

response 7275

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	62.80	57.83
54.00	34.40	25.49#
0.00	0.00	0.00

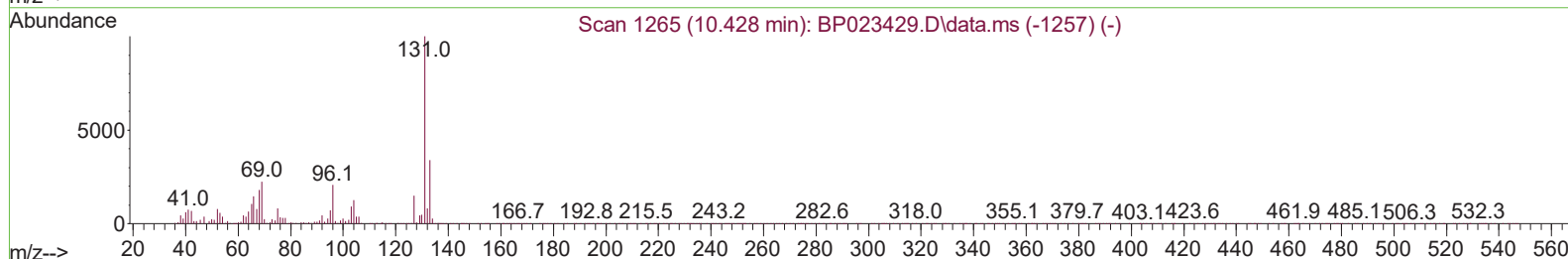
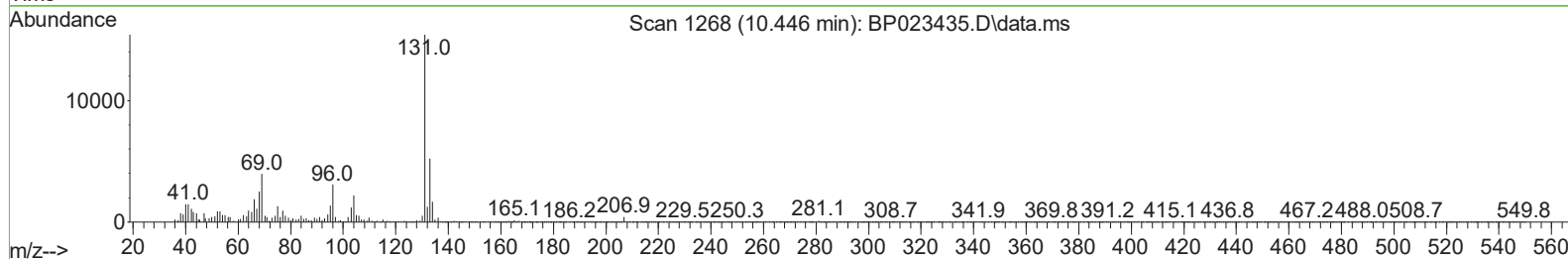
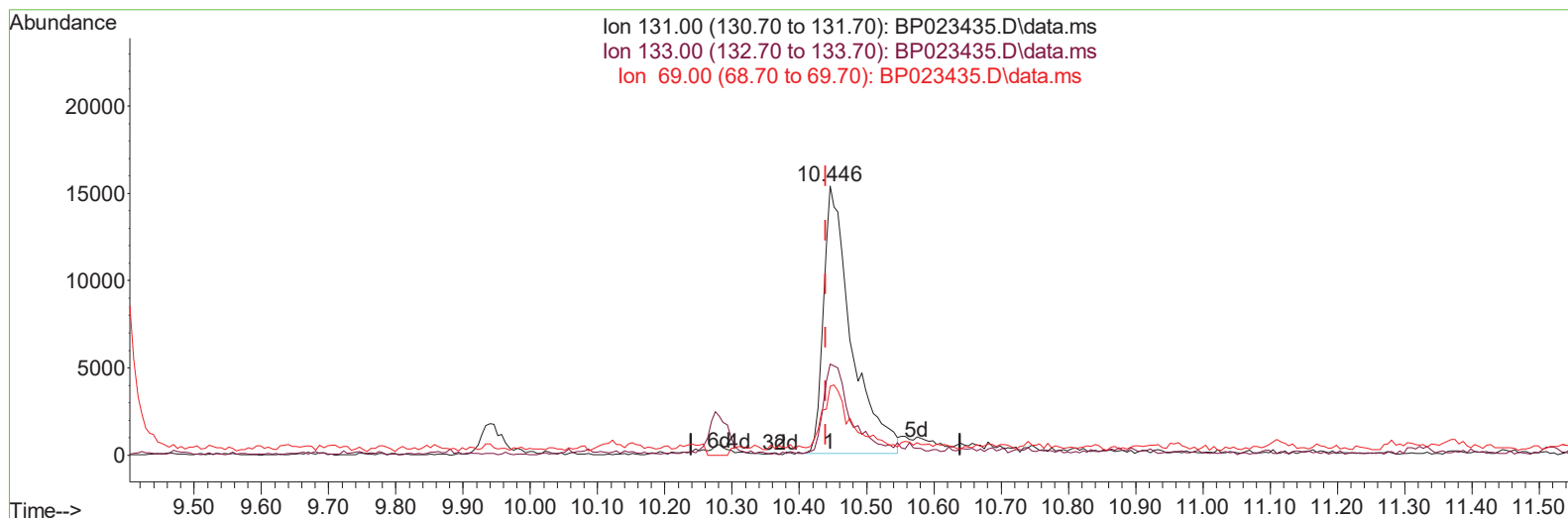
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024

Quant Time: Dec 16 23:22:59 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: BP023435.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.446min (+ 0.006) 3.88 ng/u1

response 43836

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	31.60	33.92
69.00	24.30	25.68
0.00	0.00	0.00

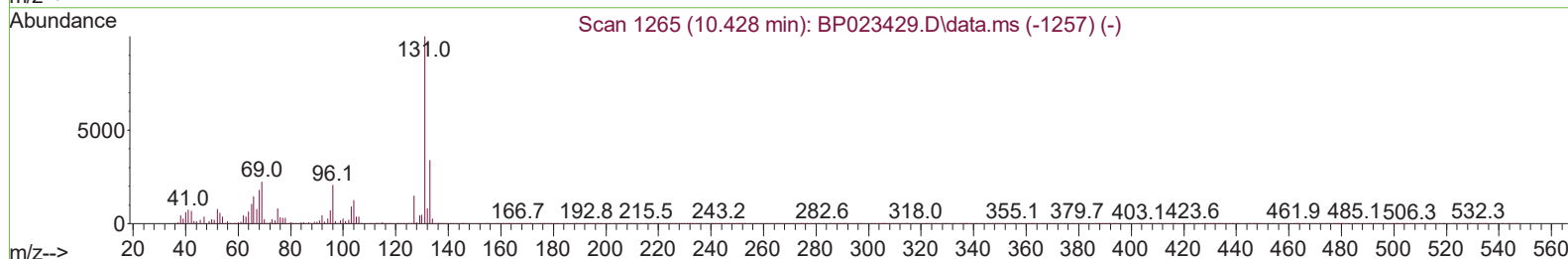
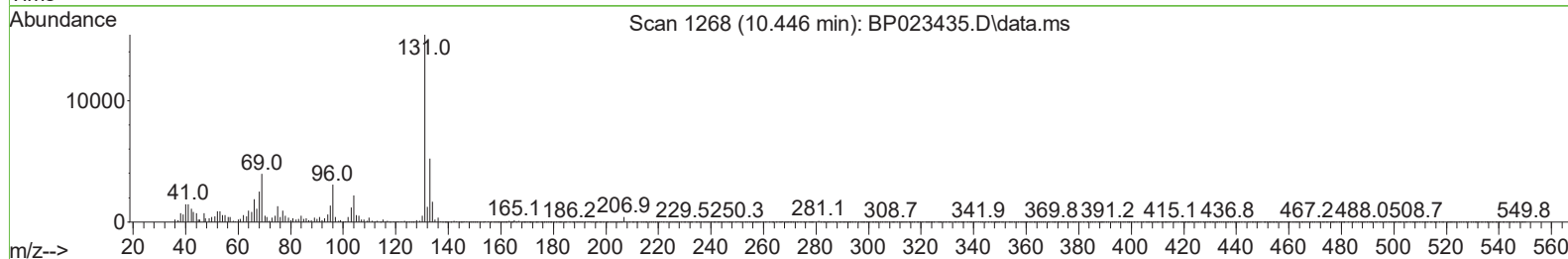
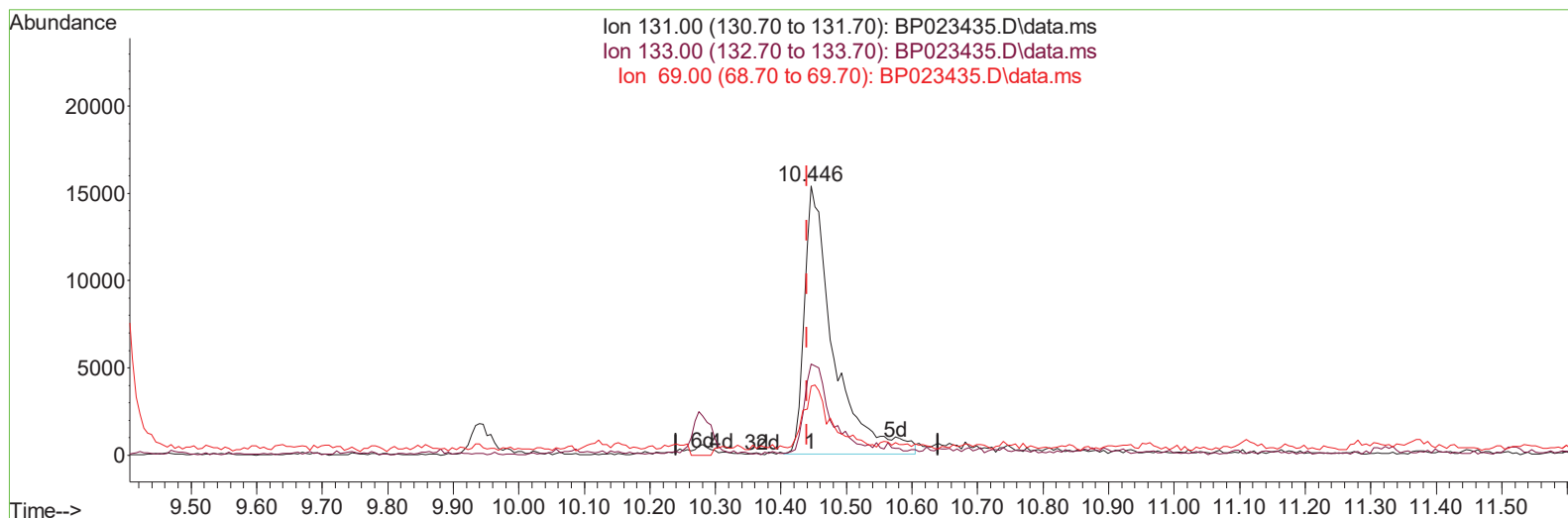
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024

Quant Time: Dec 16 23:22:59 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: BP023435.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.446min (+ 0.006) 4.17 ng/ul m

response 47162

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	31.60	33.92
69.00	24.30	25.68
0.00	0.00	0.00

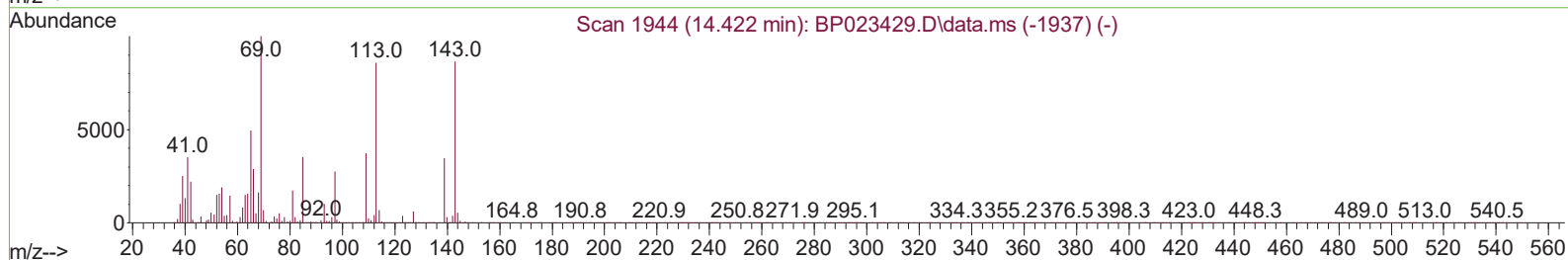
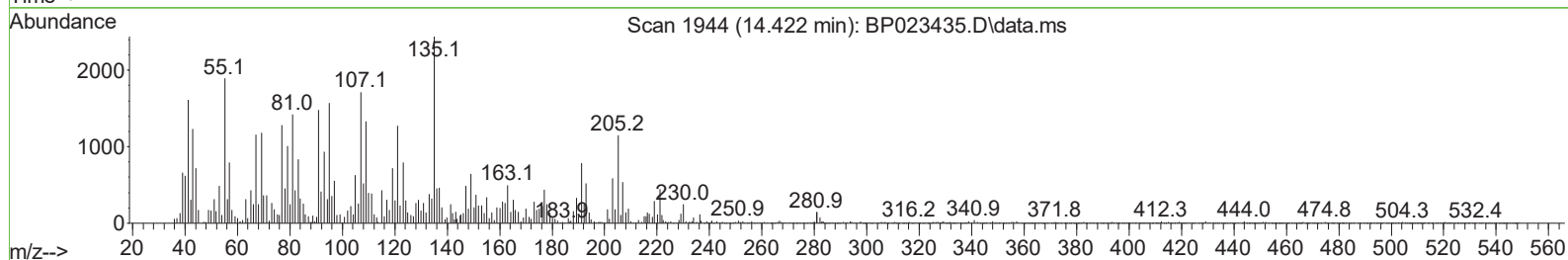
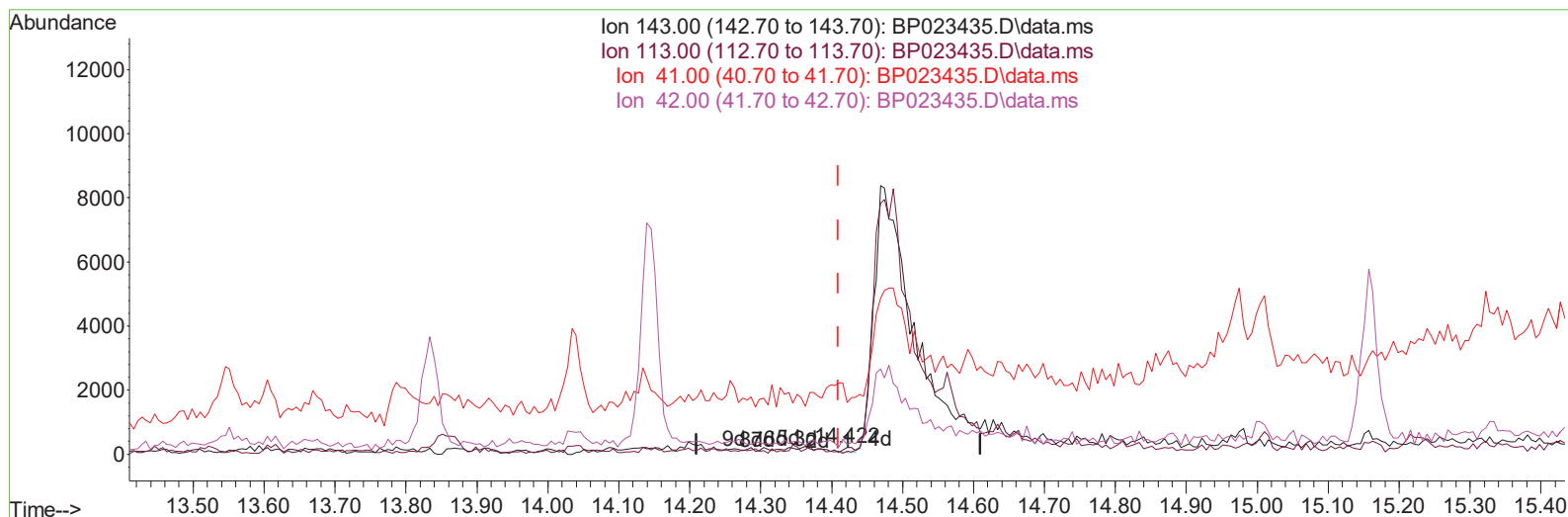
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:22:59 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.422min (+ 0.012) 0.04 ng/u1

response 157

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.10	35.09#
41.00	45.60	607.92#
42.00	31.70	115.47#

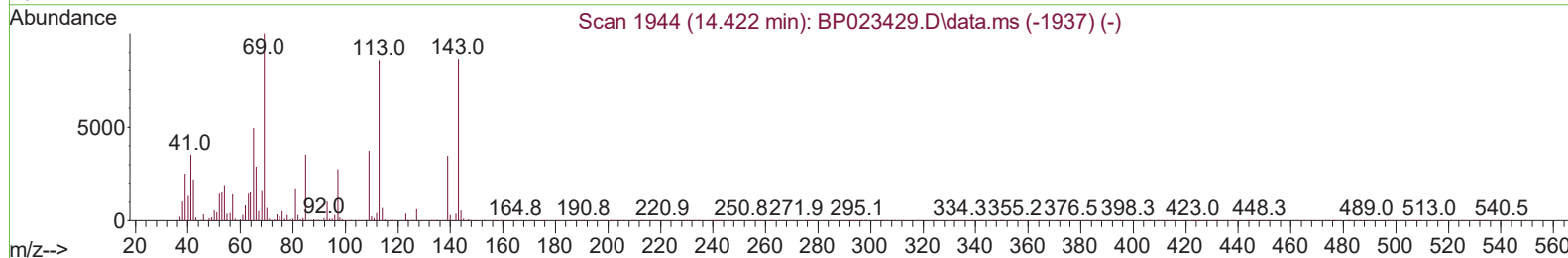
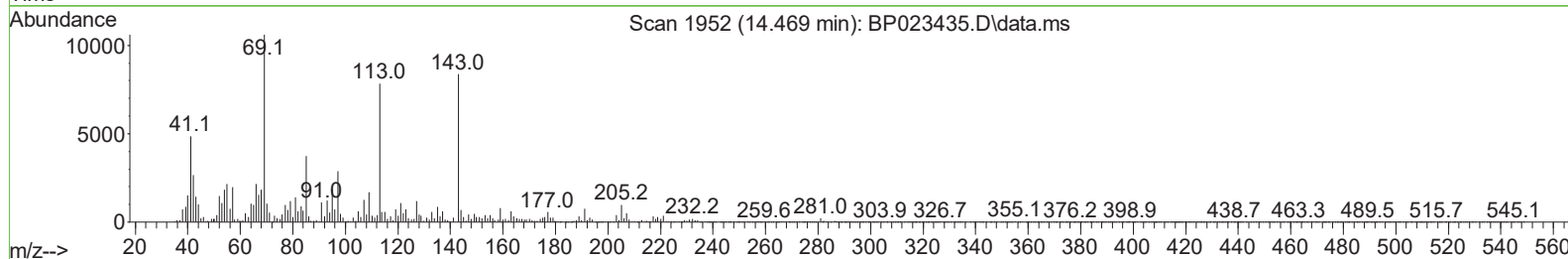
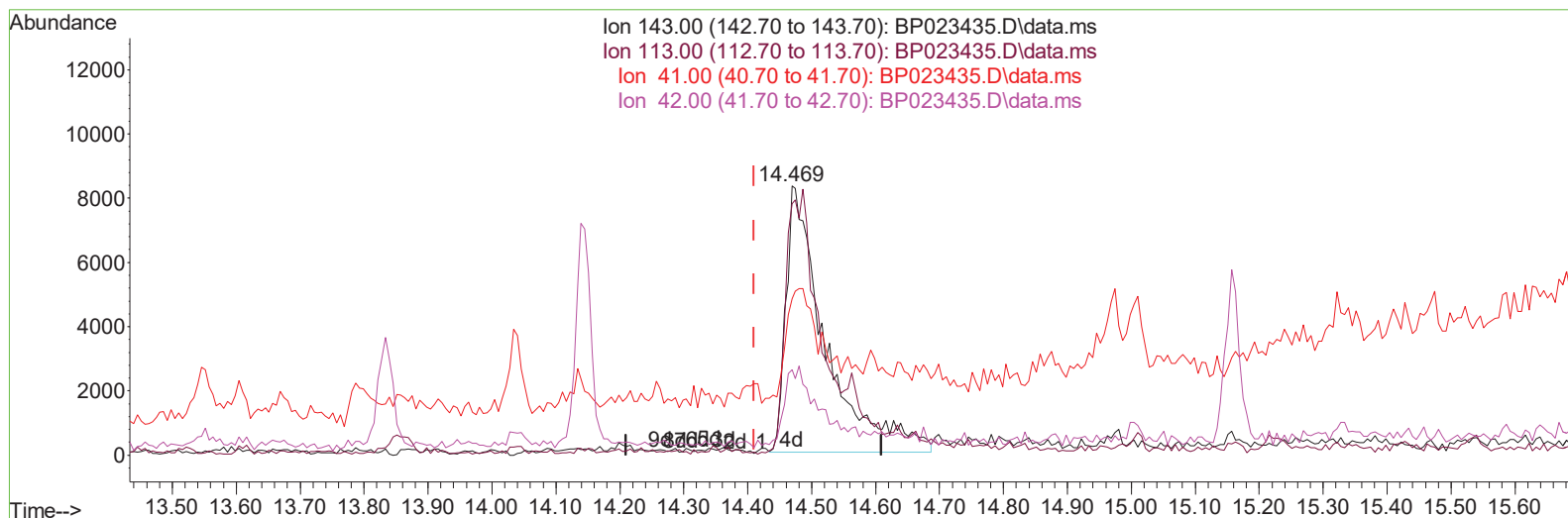
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:22:59 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.469min (+ 0.059) 9.39 ng/ul m

response 35654

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.10	93.57
41.00	45.60	58.08#
42.00	31.70	31.71

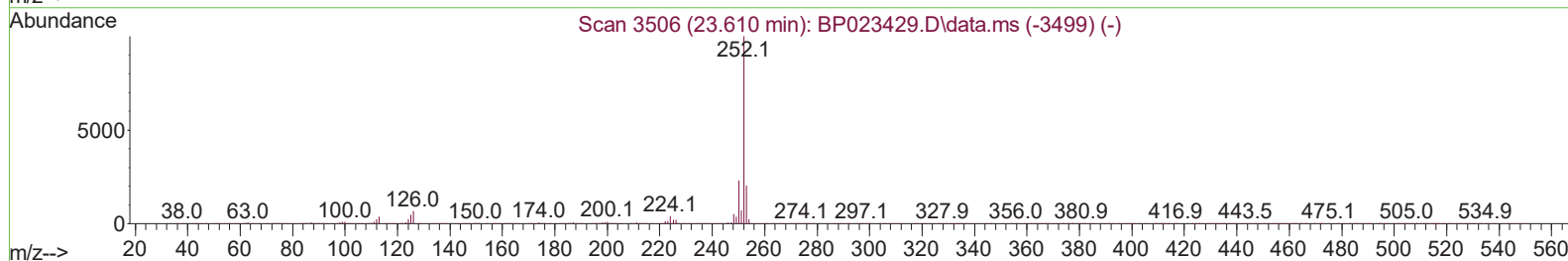
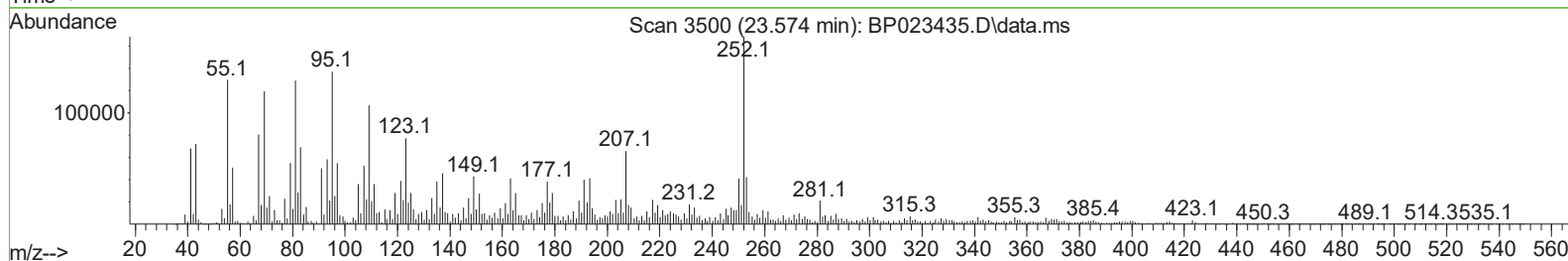
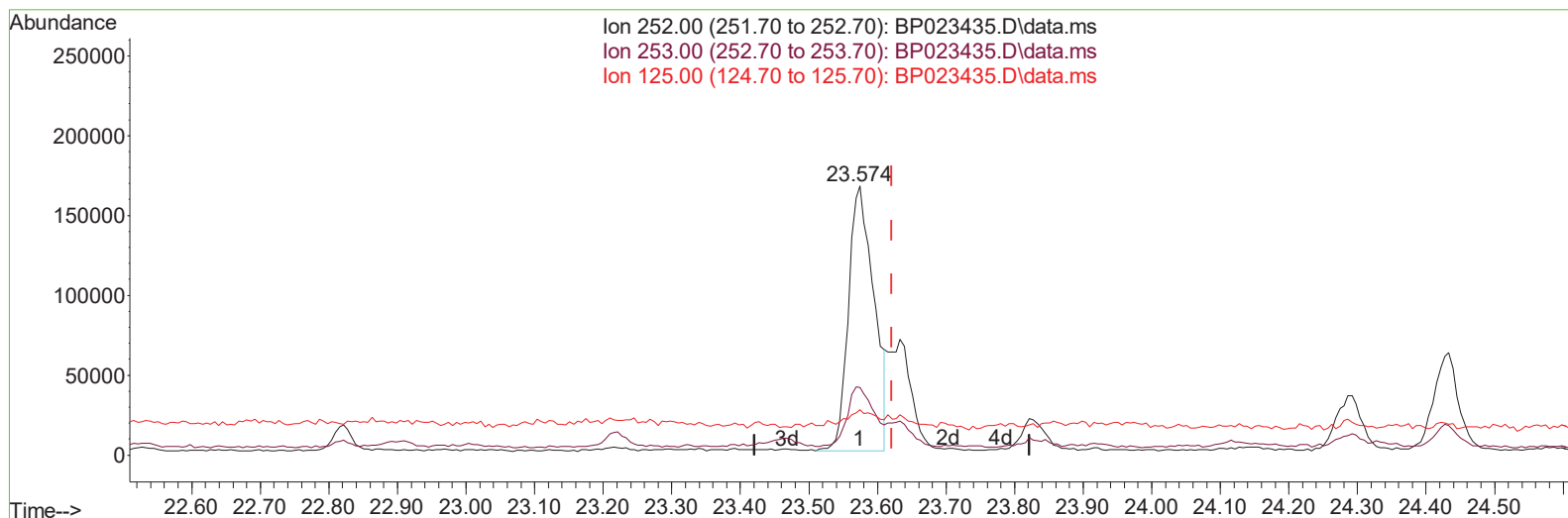
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(91) Benzo(k)fluoranthene

23.574min (-0.047) 7.20 ng/uL

response 427160

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	25.24
125.00	5.40	16.79#
0.00	0.00	0.00

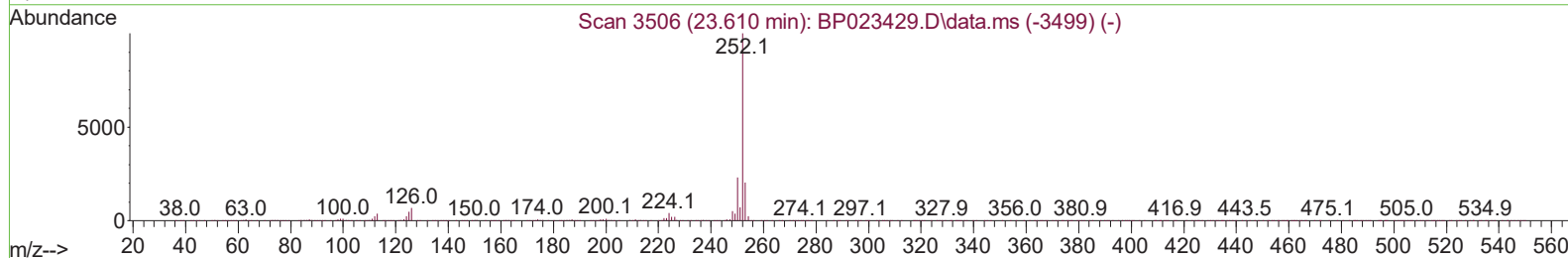
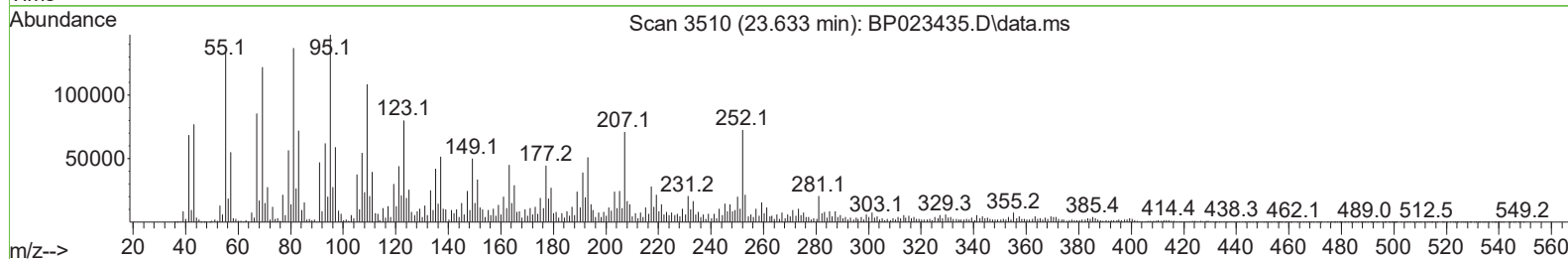
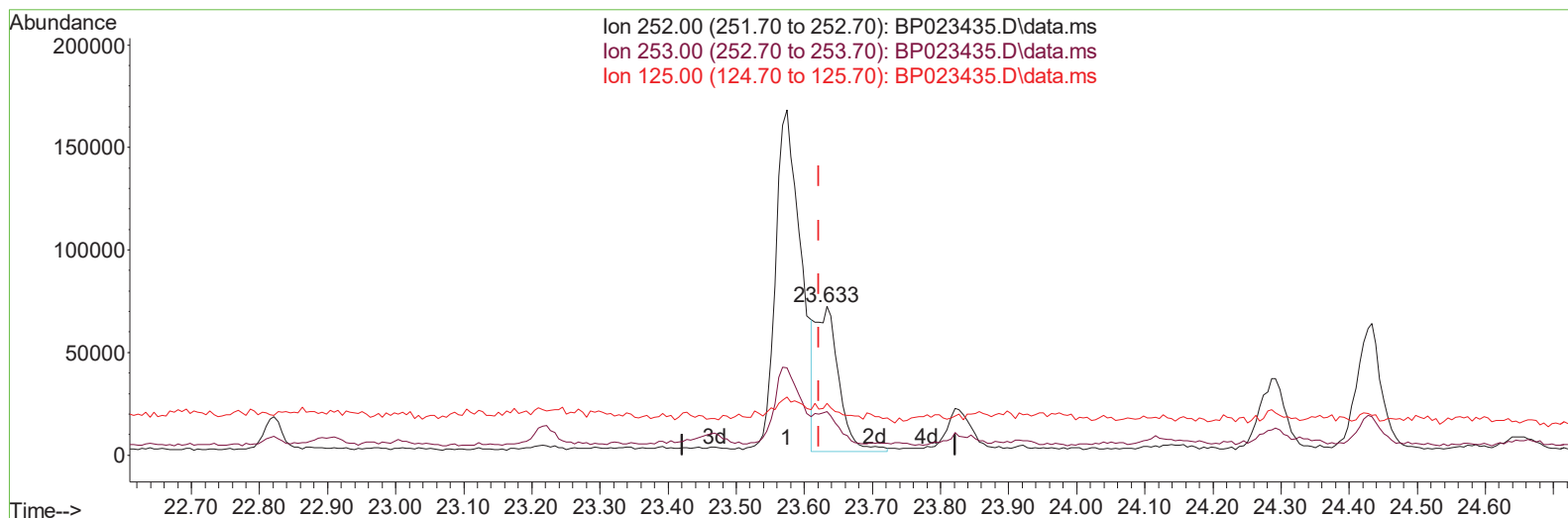
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(91) Benzo(k)fluoranthene

23.633min (+ 0.012) 2.85 ng/ul m

response 168984

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.90	29.48#
125.00	5.40	34.84#
0.00	0.00	0.00

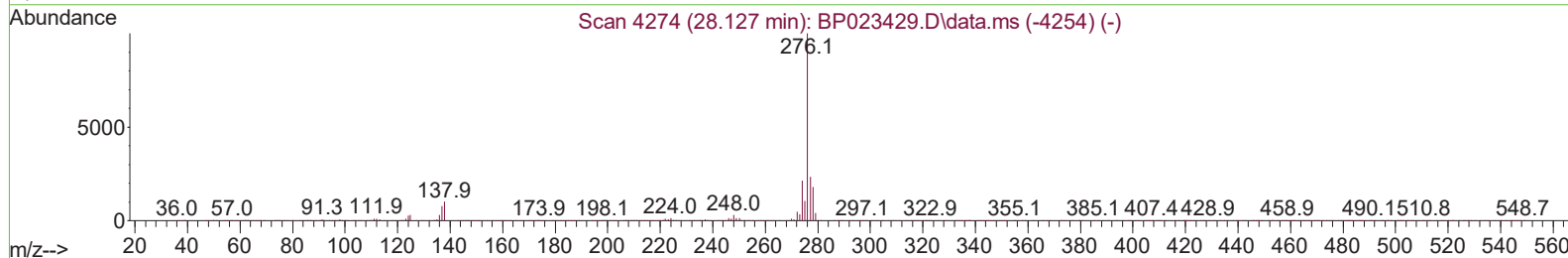
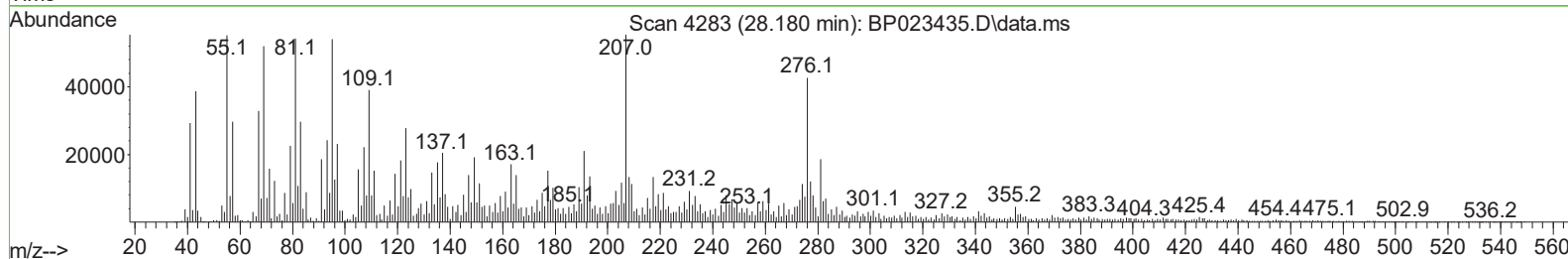
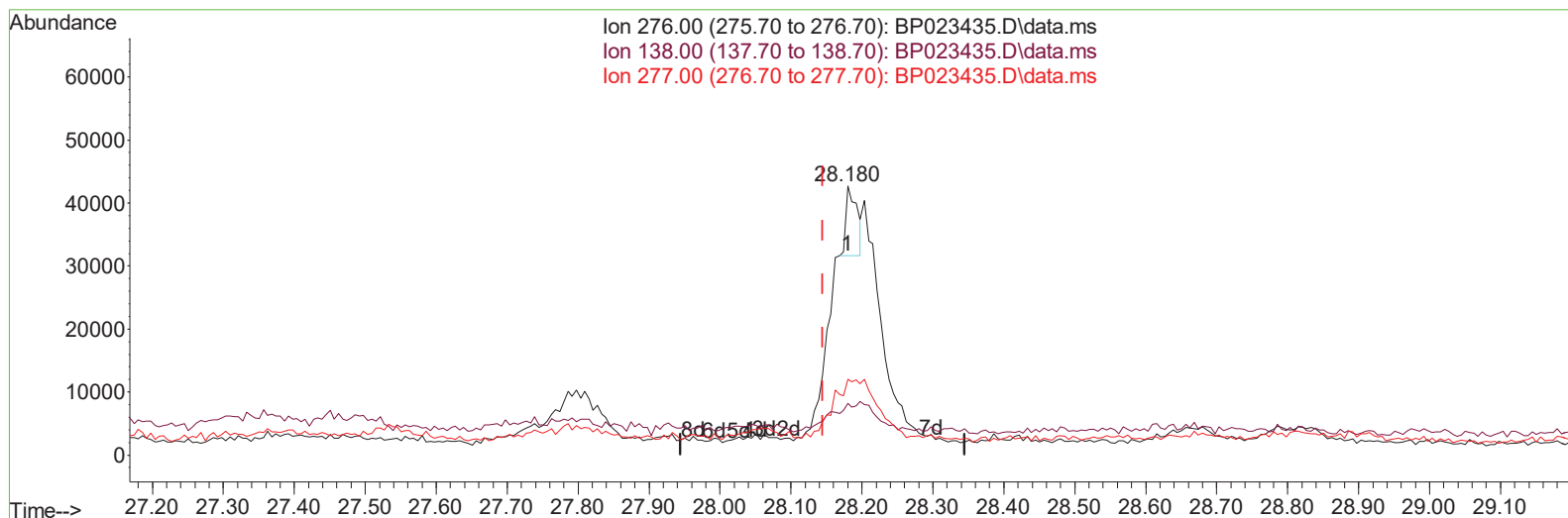
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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
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TIC: BP023435.D\data.ms

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

28.180min (+ 0.035) 0.17 ng/u1

response 12070

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	19.33#
277.00	24.80	28.10
0.00	0.00	0.00

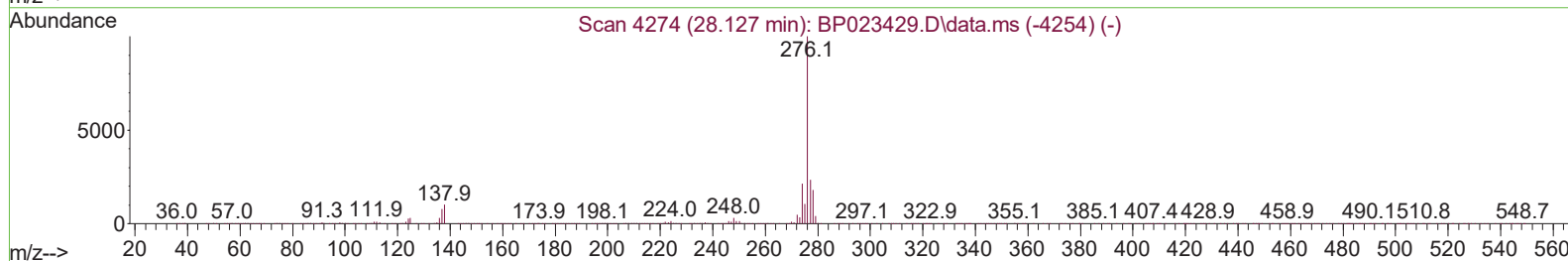
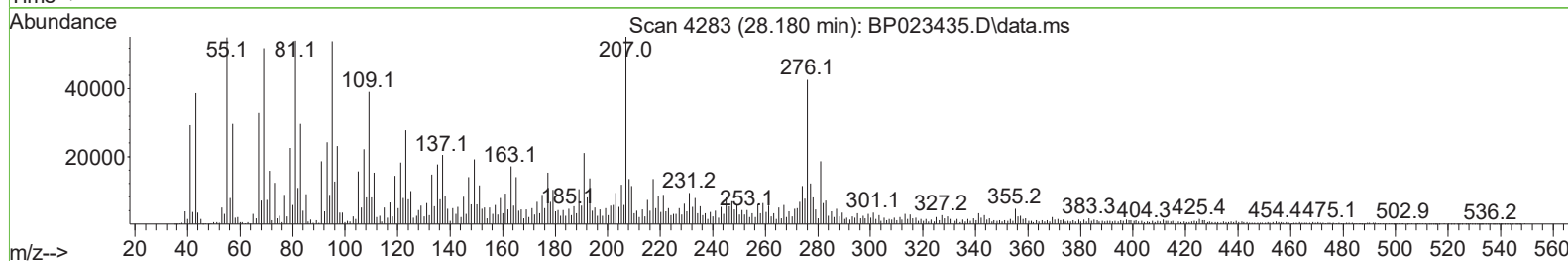
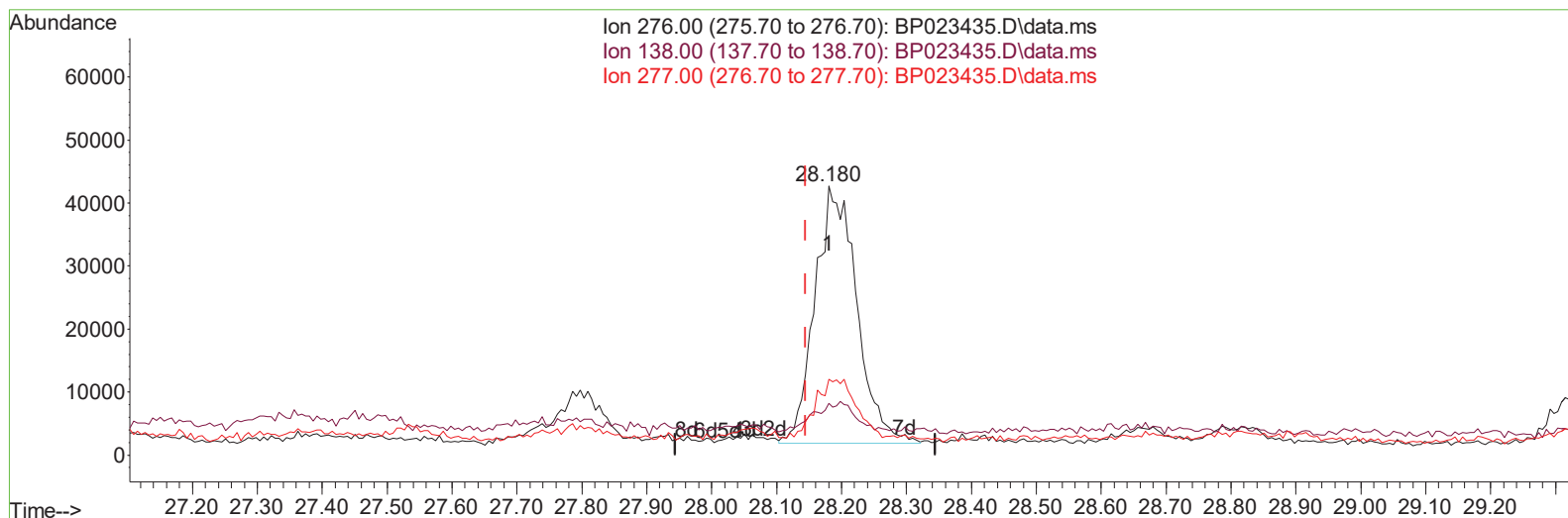
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

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

28.180min (+ 0.035) 2.61 ng/u1 m

response 181523

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	19.33#
277.00	24.80	28.10
0.00	0.00	0.00

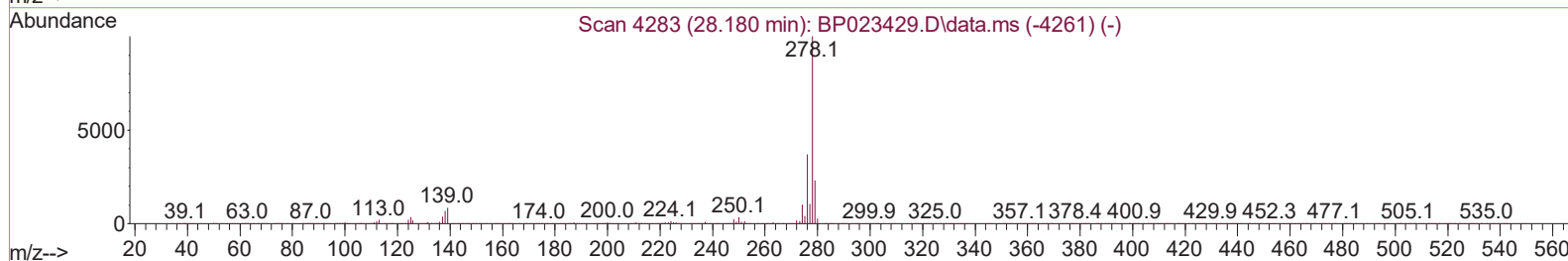
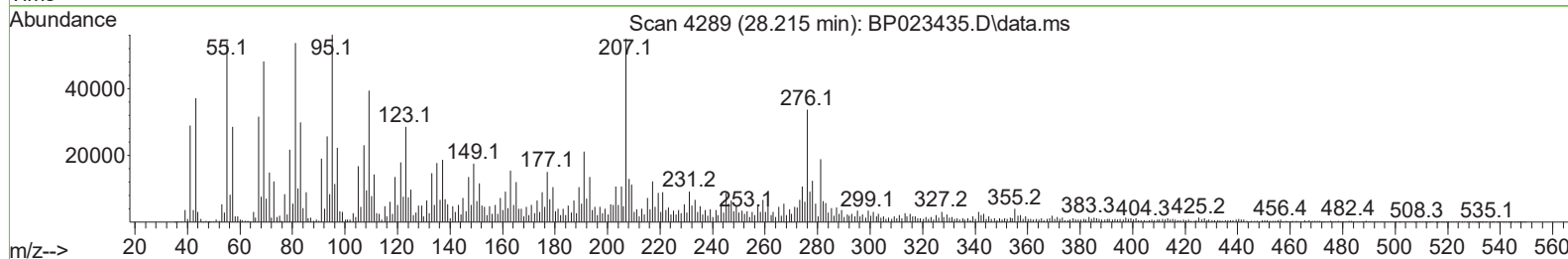
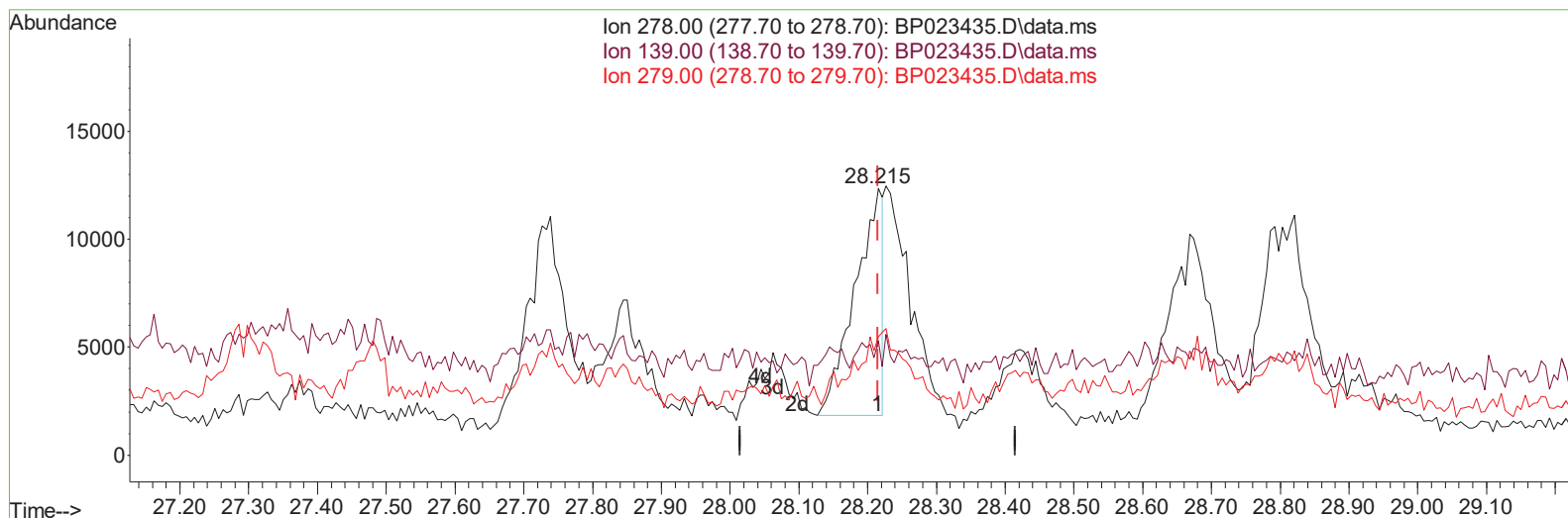
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(95) Dibenzo(a,h)anthracene

28.215min (-0.000) 0.53 ng/u1

response 29606

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.50	42.86#
279.00	24.00	44.47#
0.00	0.00	0.00

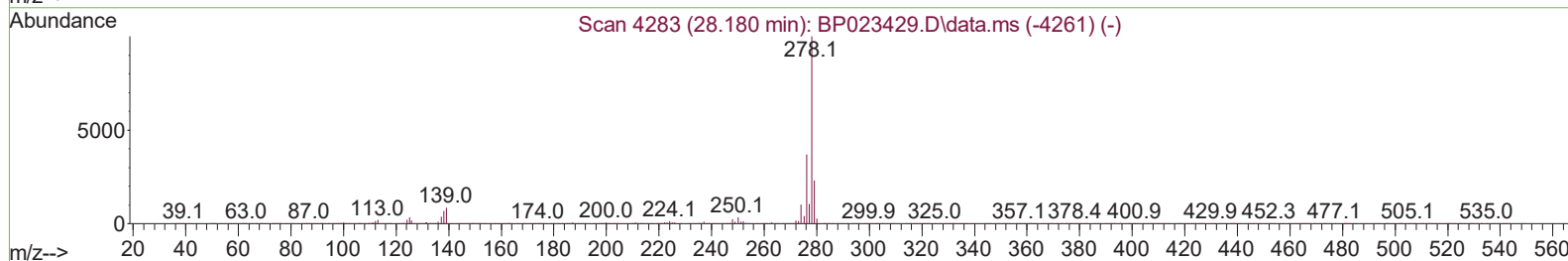
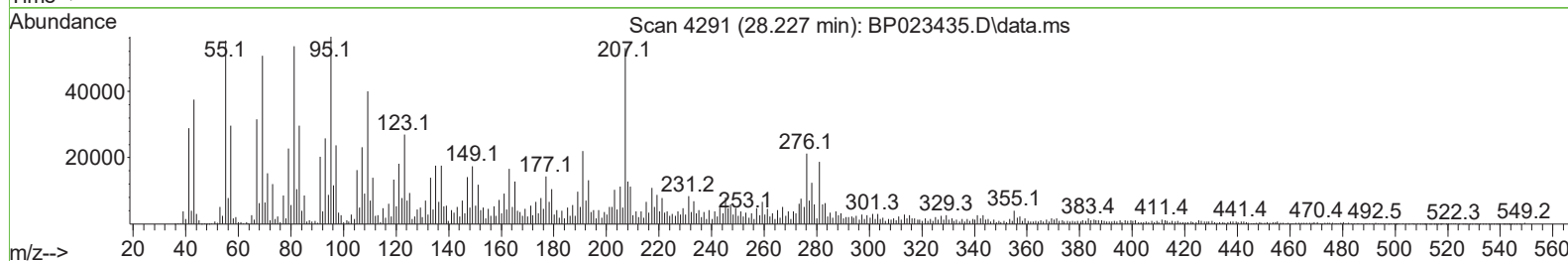
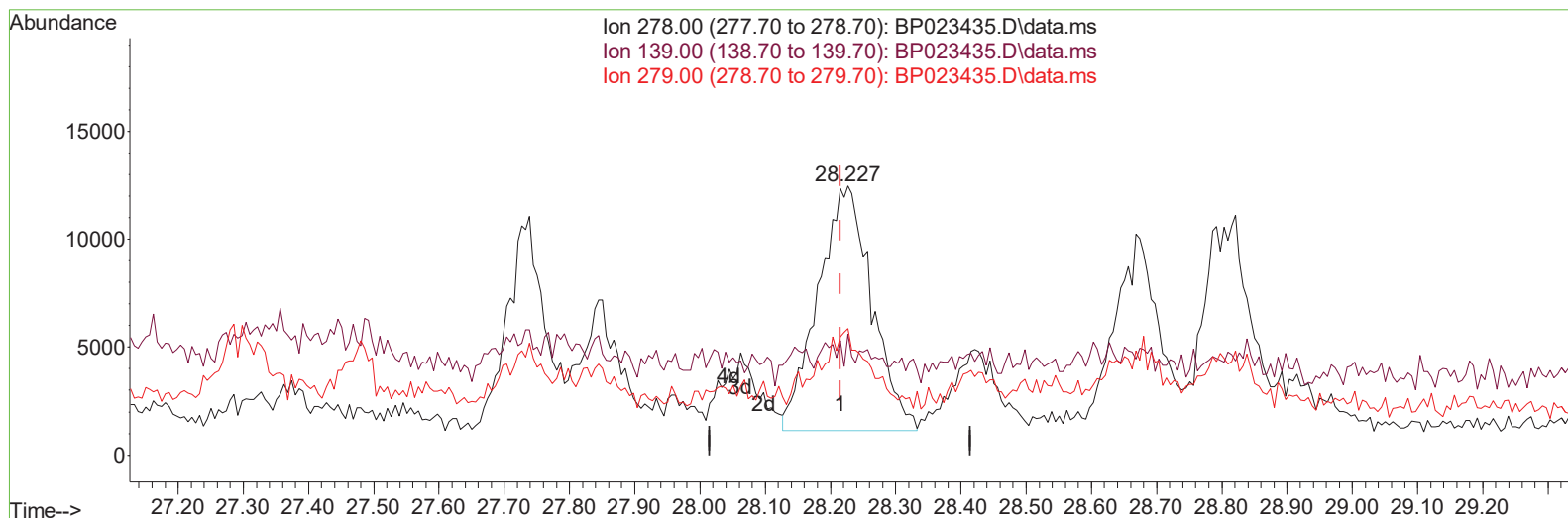
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 23:25:22 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



TIC: BP023435.D\data.ms

(95) Dibenzo(a,h)anthracene

28.227min (+ 0.012) 1.17 ng/ul m

response 65200

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.50	44.87#
279.00	24.00	46.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
 Data File : BP023435.D
 Acq On : 16 Dec 2024 15:07
 Operator : RC/JU
 Sample : P5232-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 17 00:25:37 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 12/18/2024
 Supervised By :mohammad ahmed 12/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	148564	20.000	ng/ul	0.00
20) Naphthalene-d8	10.275	136	555170	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.145	164	399319	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.951	188	824309	20.000	ng/ul	0.00
79) Chrysene-d12	21.386	240	840919	20.000	ng/ul	0.00
88) Perylene-d12	24.574	264	949531	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.099	96	8069	2.000	ng/uL	0.00
4) Pyridine-d5	3.540	84	7275m	0.701	ng/ul	0.02
7) Phenol-d5	6.752	99	148882	12.772	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.887	67	97578	13.268	ng/ul	0.00
11) 2-Chlorophenol-d4	7.087	132	113857	13.234	ng/ul	0.00
15) 4-Methylphenol-d8	8.258	113	102455	10.890	ng/ul	0.00
21) Nitrobenzene-d5	8.681	128	56818	13.705	ng/ul	0.00
24) 2-Nitrophenol-d4	9.387	143	68360	14.307	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.940	165	124160	12.312	ng/ul	0.00
31) 4-Chloroaniline-d4	10.446	131	47162m	4.175	ng/ul	0.00
46) Dimethylphthalate-d6	13.551	166	425453	13.725	ng/ul	0.00
49) Acenaphthylene-d8	13.834	160	423054	12.938	ng/ul	0.00
54) 4-Nitrophenol-d4	14.469	143	35654m	9.386	ng/ul	0.06
60) Fluorene-d10	15.157	176	350029	12.837	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.328	200	20169	4.049	ng/ul	0.02
73) Anthracene-d10	17.051	188	517120	13.746	ng/ul	0.00
81) Pyrene-d10	19.439	212	510108	11.611	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.363	264	342533	6.739	ng/ul	0.02
Target Compounds						
					Qvalue	
8) Phenol	6.781	94	24030	1.980	ng/ul	94
16) Acetophenone	8.357	105	27627	1.745	ng/ul	92
30) Naphthalene	10.328	128	76768	2.641	ng/ul	99
36) 2-Methylnaphthalene	11.940	142	30509	1.416	ng/ul	96
61) Fluorene	15.222	166	34037	1.131	ng/ul#	94
72) Phenanthrene	16.992	178	167287	3.925	ng/ul	96
74) Anthracene	17.092	178	125503	2.945	ng/ul	97
80) Fluoranthene	19.092	202	277852	5.519	ng/ul	98
82) Pyrene	19.469	202	237875	4.453	ng/ul	100
85) Benzo(a)anthracene	21.363	228	208914	3.705	ng/ul#	88
87) Chrysene	21.433	228	246793	4.567	ng/ul#	88
90) Benzo(b)fluoranthene	23.574	252	427160	7.160	ng/ul#	87
91) Benzo(k)fluoranthene	23.633	252	168984m	2.847	ng/ul	
93) Benzo(a)pyrene	24.433	252	154542	2.857	ng/ul#	73
94) Indeno(1,2,3-cd)pyrene	28.180	276	181523m	2.611	ng/ul	
95) Dibenzo(a,h)anthracene	28.227	278	65200m	1.172	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023435.D
Acq On : 16 Dec 2024 15:07
Operator : RC/JU
Sample : P5232-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E28T3

Manual IntegrationsAPPROVED

Quant Time: Dec 17 00:25:37 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 12/18/2024
Supervised By :mohammad ahmed 12/19/2024

