

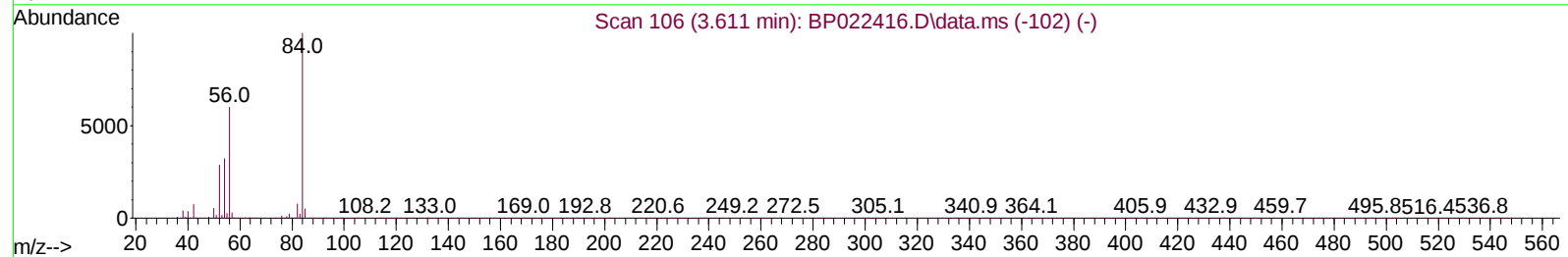
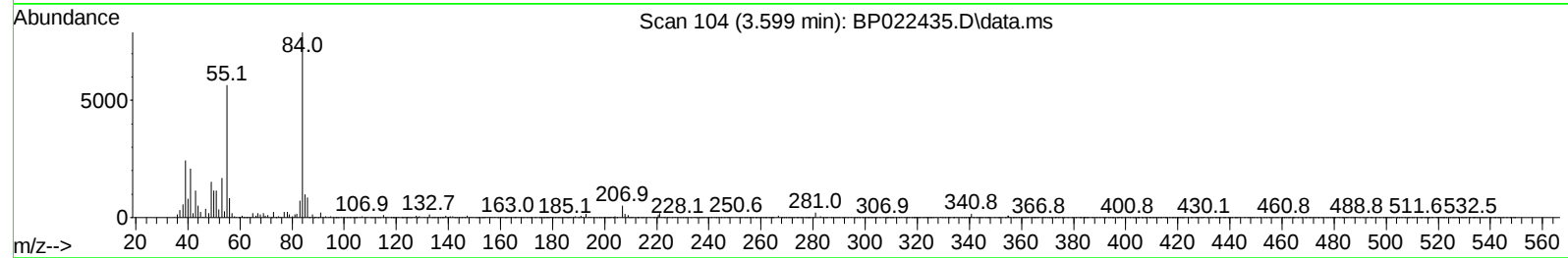
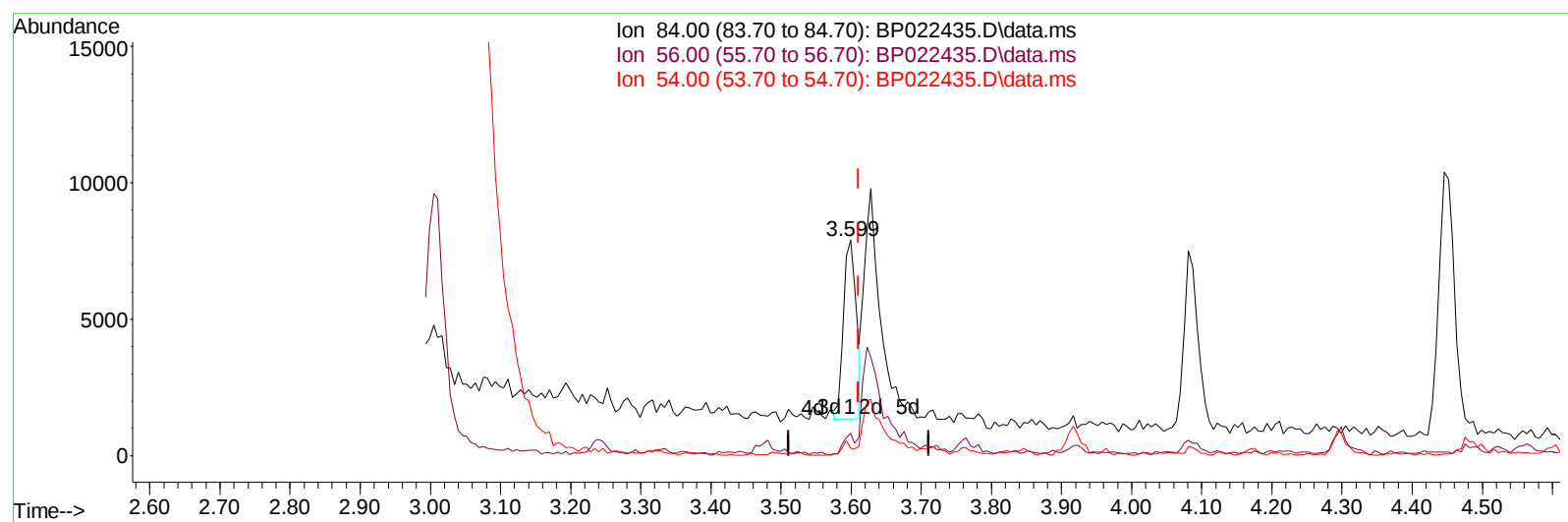
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:37:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(4) Pyridine-d5 (S)

3.599min (-0.012) 0.85 ng/u1

response 8234

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	61.10	10.42#
54.00	30.90	3.43#
0.00	0.00	0.00

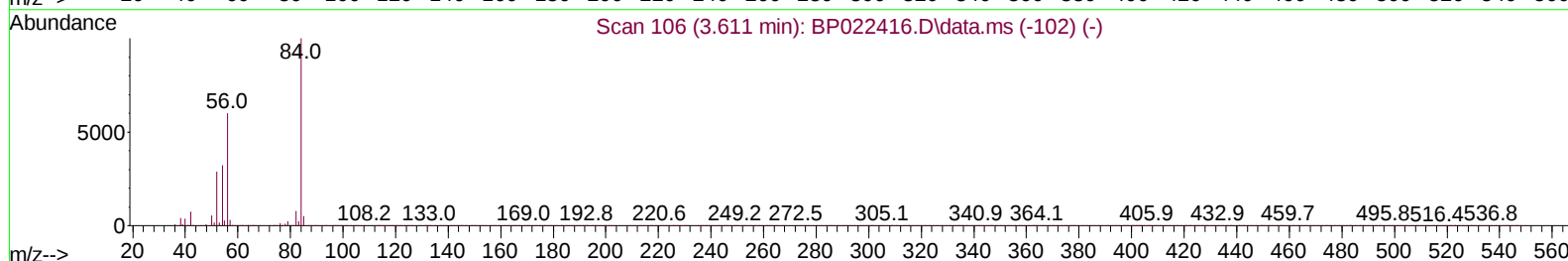
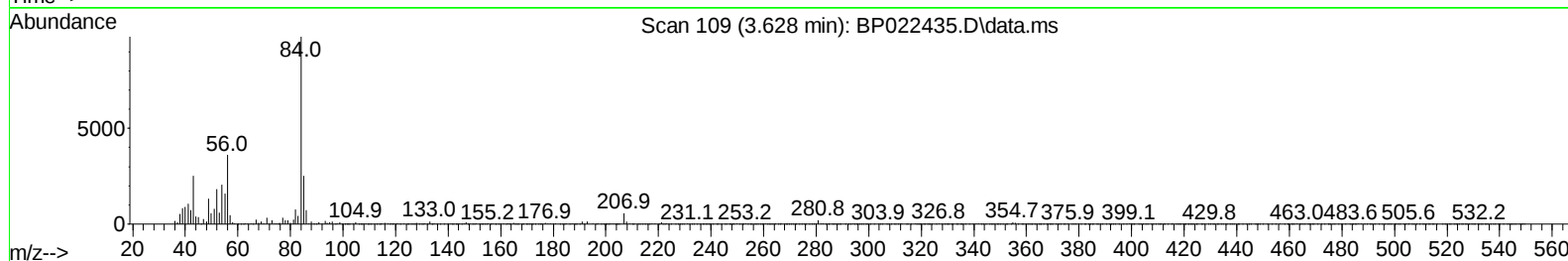
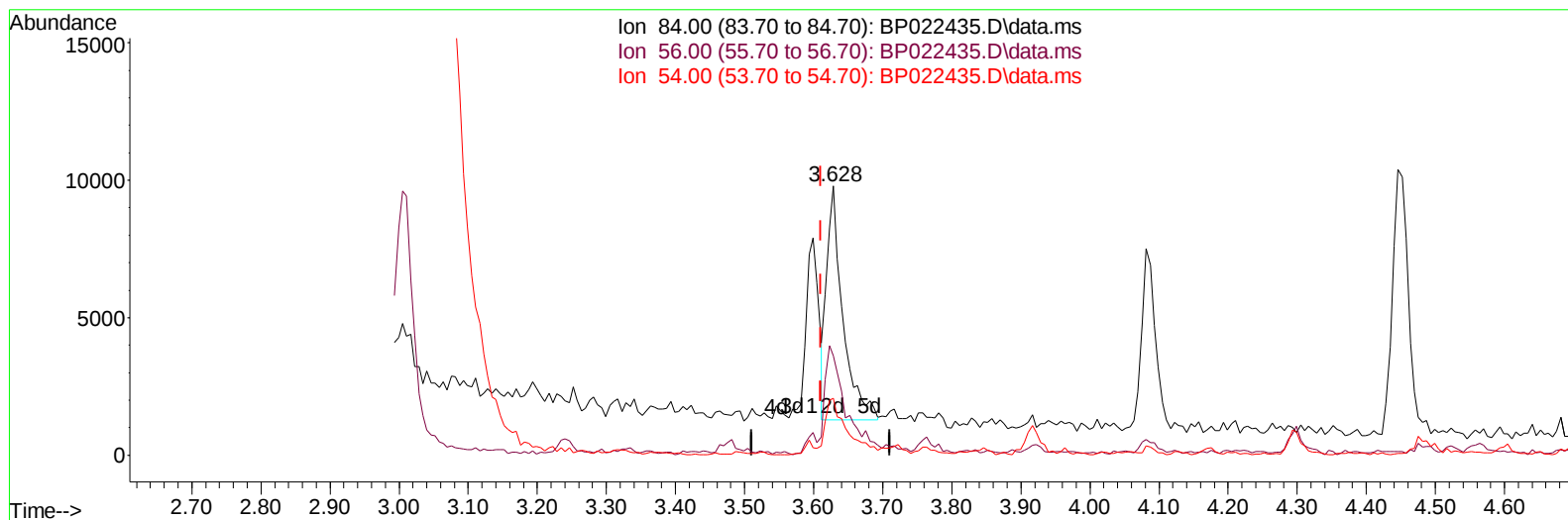
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(4) Pyridine-d5 (S)

3.628min (+ 0.018) 1.45 ng/u1 m

response 13925

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	61.10	36.80#
54.00	30.90	21.16#
0.00	0.00	0.00

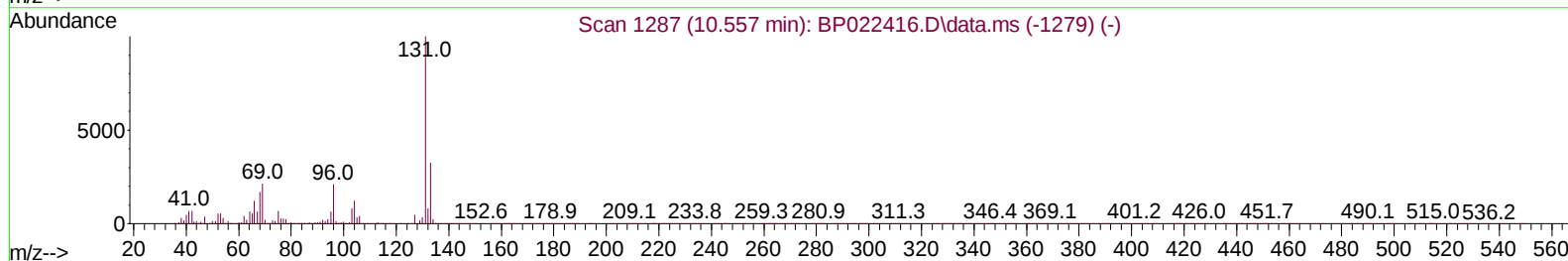
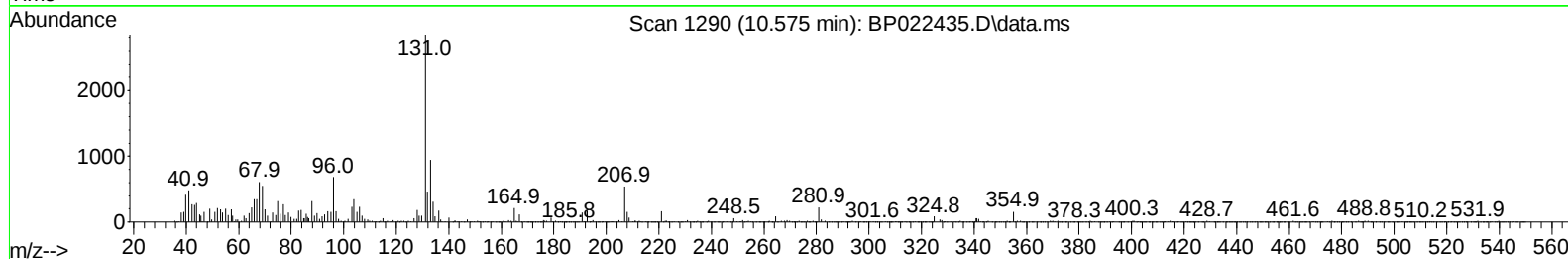
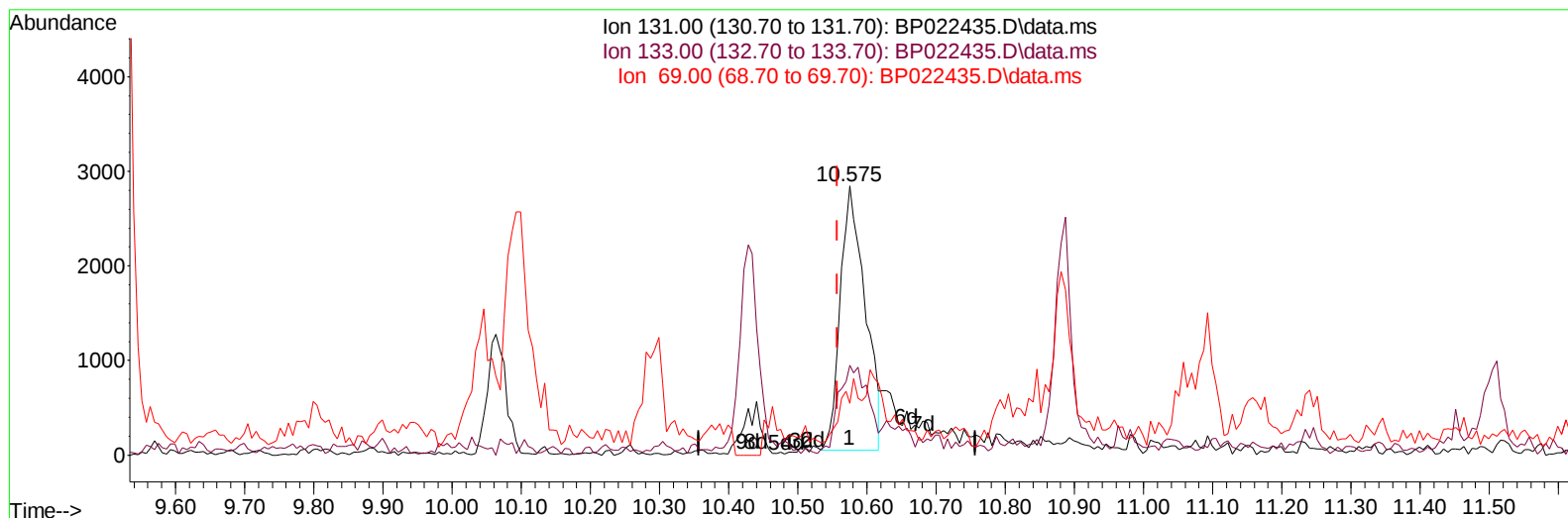
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:37:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.575min (+ 0.018) 0.59 ng/u1

response 6946

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.80	33.31
69.00	22.00	19.17
0.00	0.00	0.00

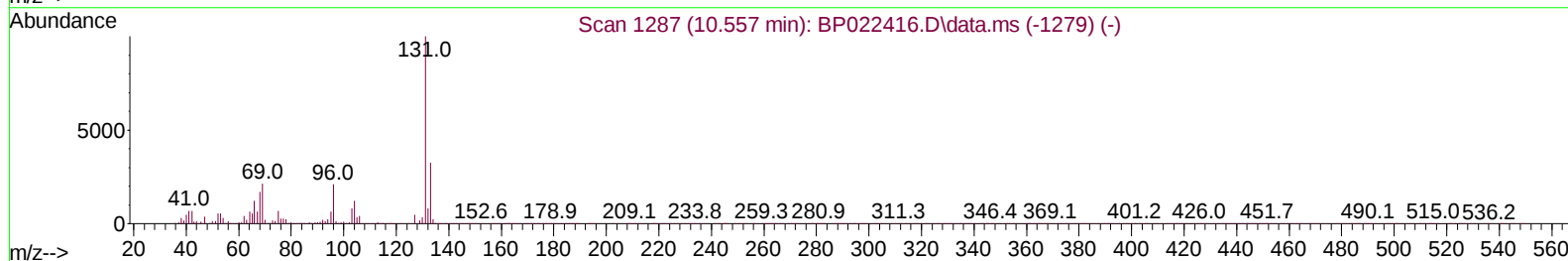
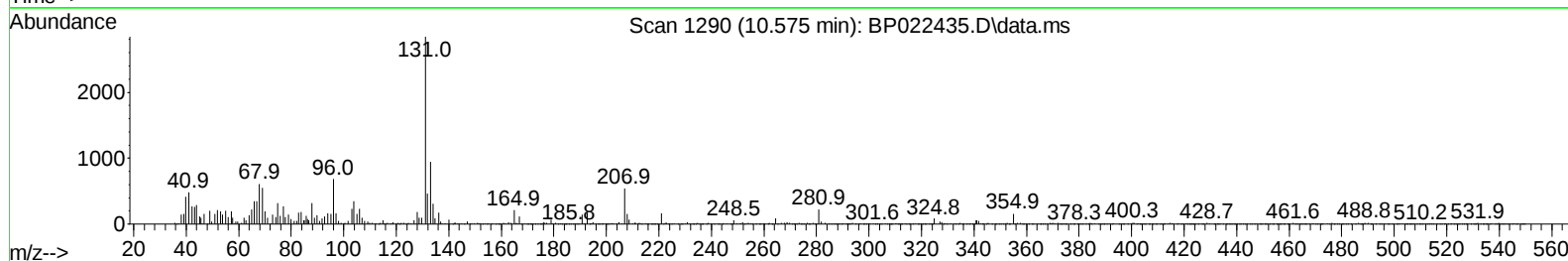
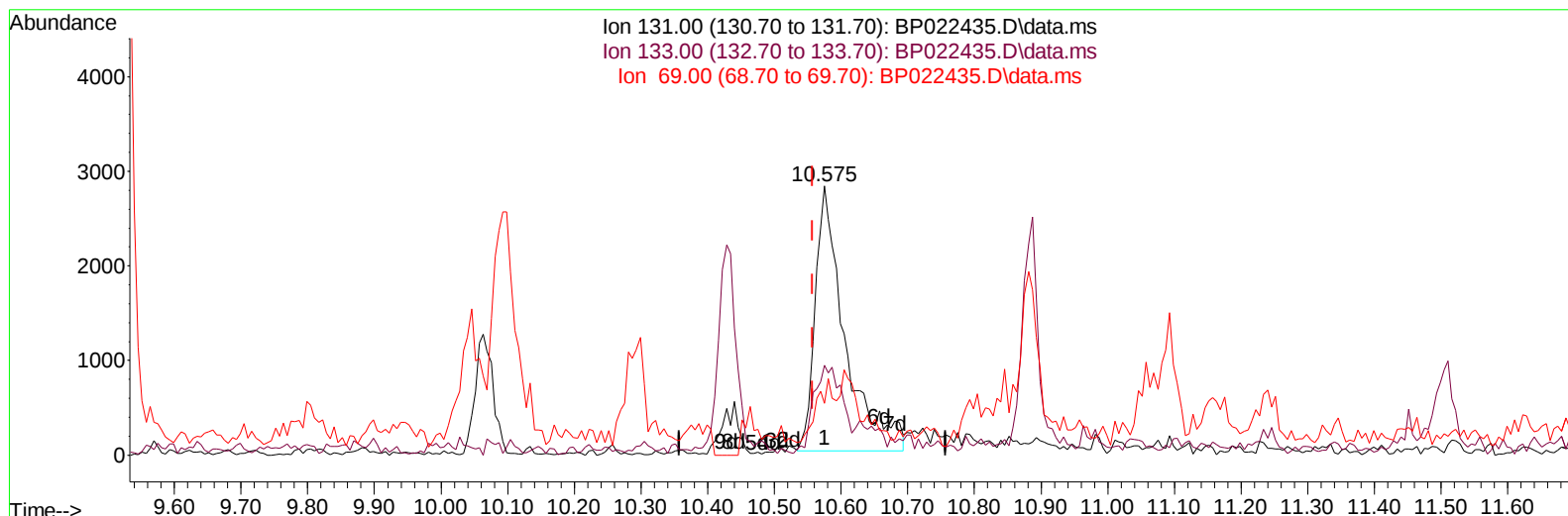
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

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QLast Update : Thu Oct 17 05:42:26 2024
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Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.575min (+ 0.018) 0.74 ng/ul m

response 8716

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.80	33.31
69.00	22.00	19.17
0.00	0.00	0.00

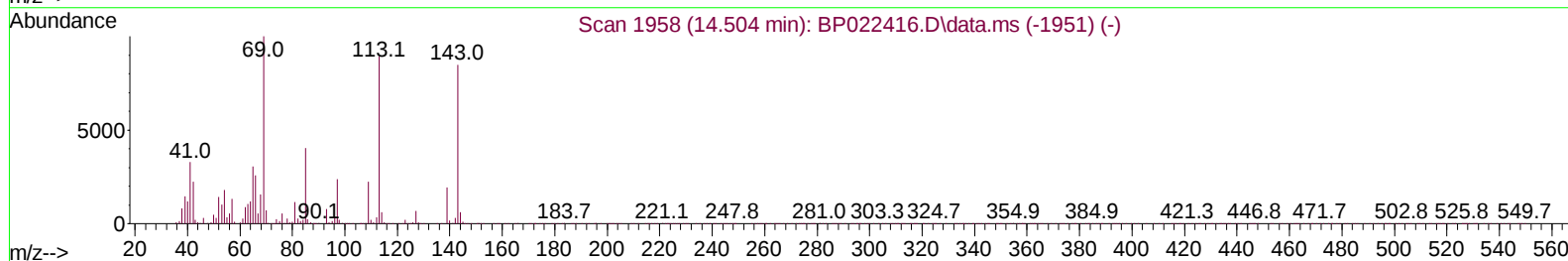
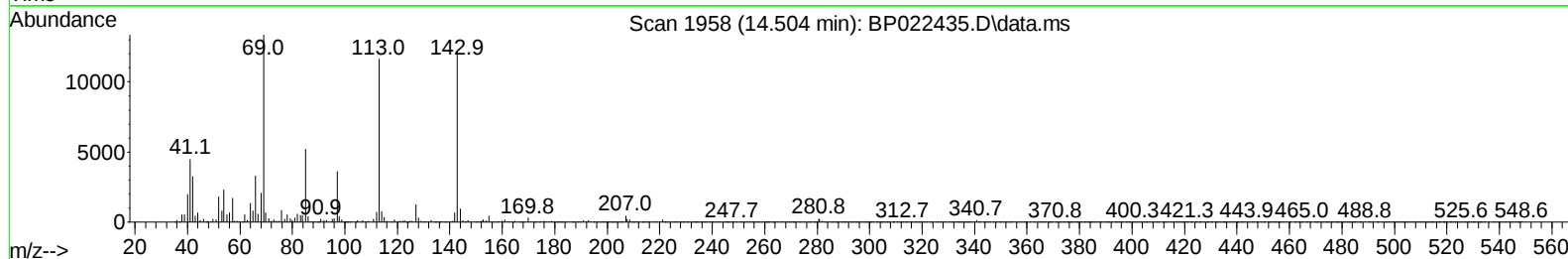
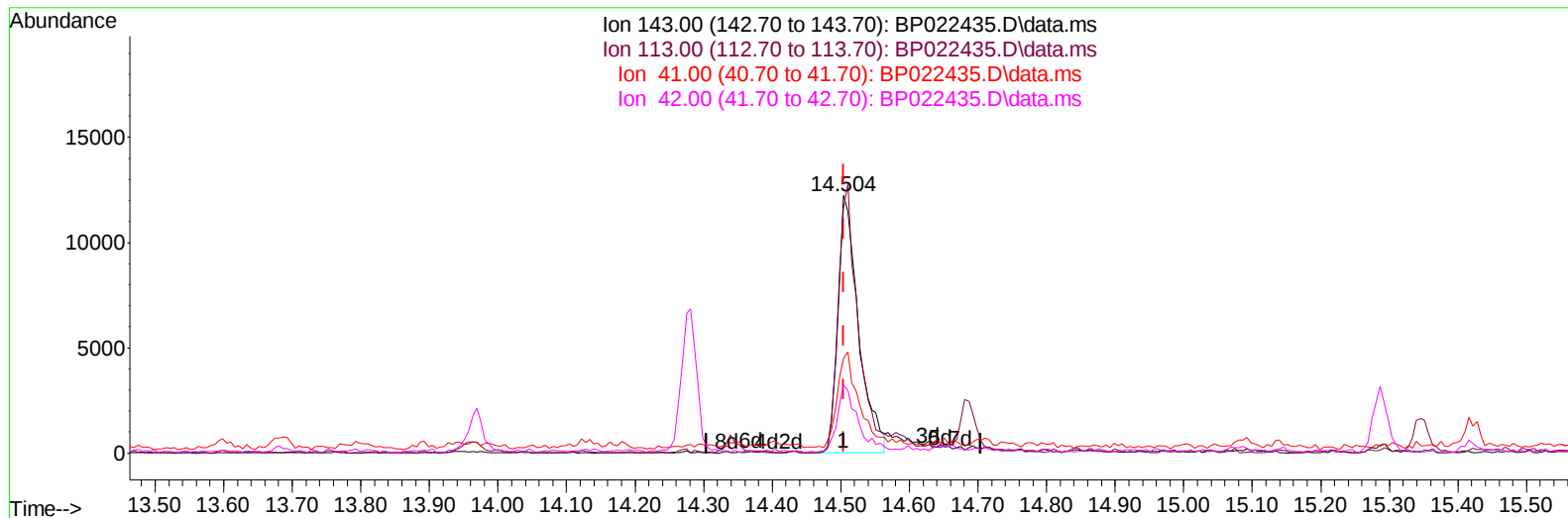
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

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TIC: BP022435.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.504min (+ 0.000) 4.33 ng/u1

response 25454

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	97.60	95.31
41.00	35.90	36.89
42.00	23.70	26.60

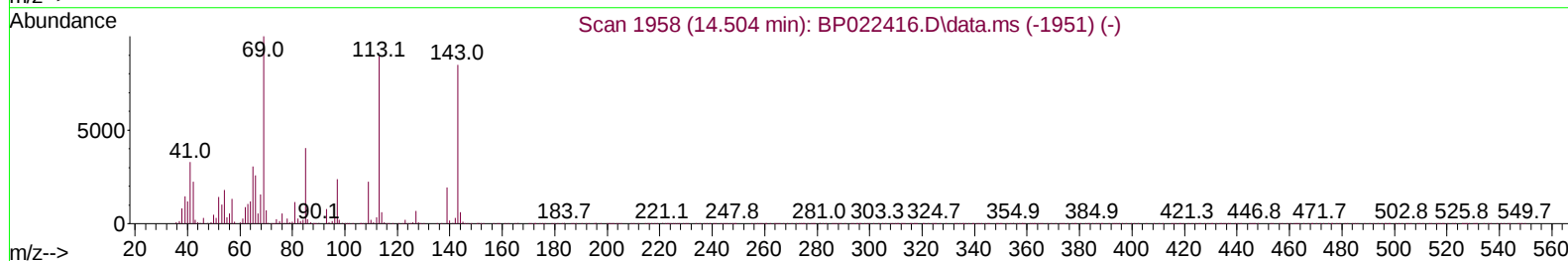
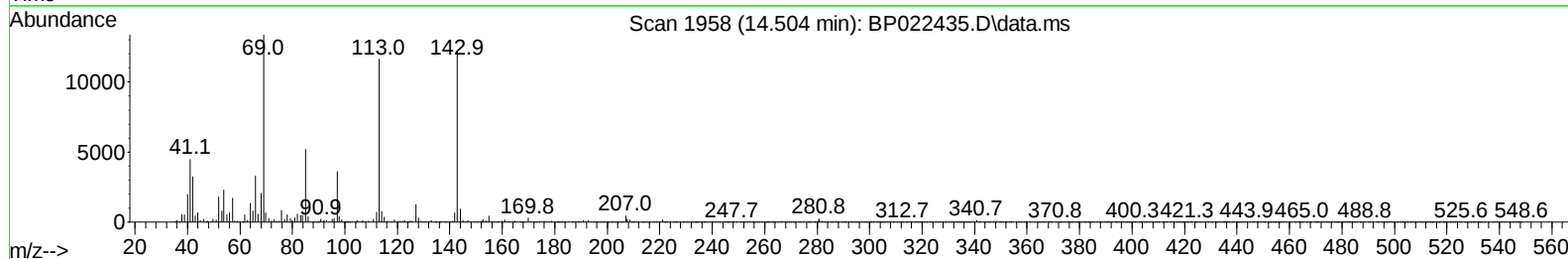
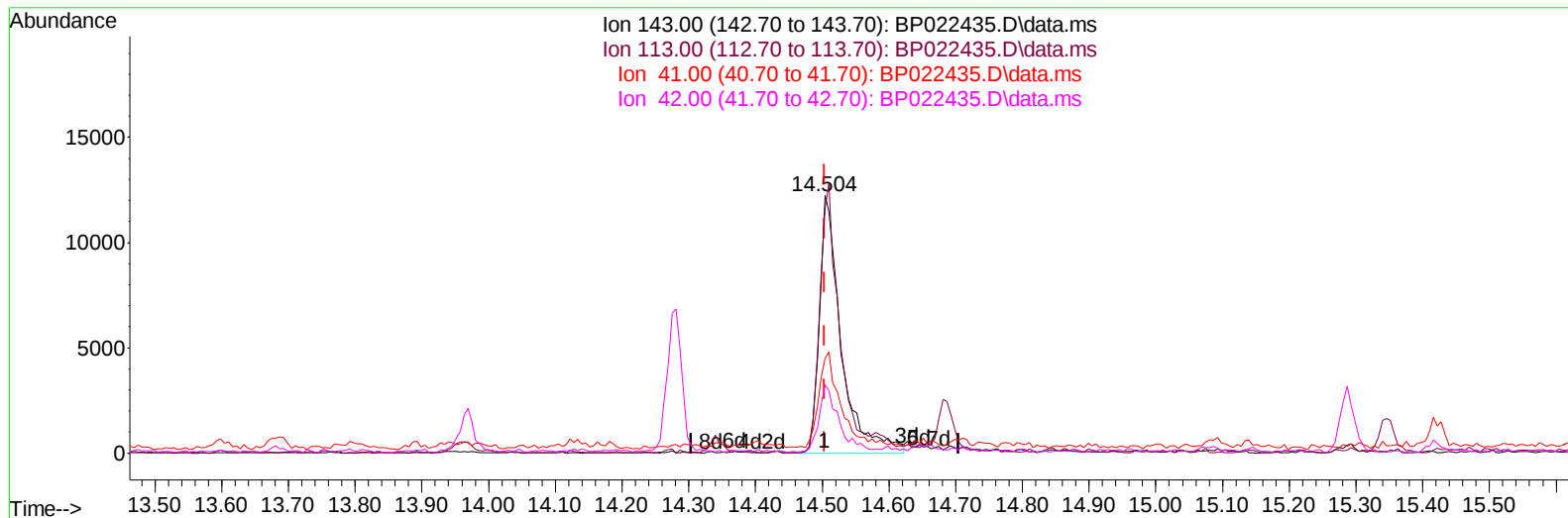
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Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:37:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.504min (+ 0.000) 4.74 ng/ul m

response 27832

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	97.60	95.31
41.00	35.90	36.89
42.00	23.70	26.60

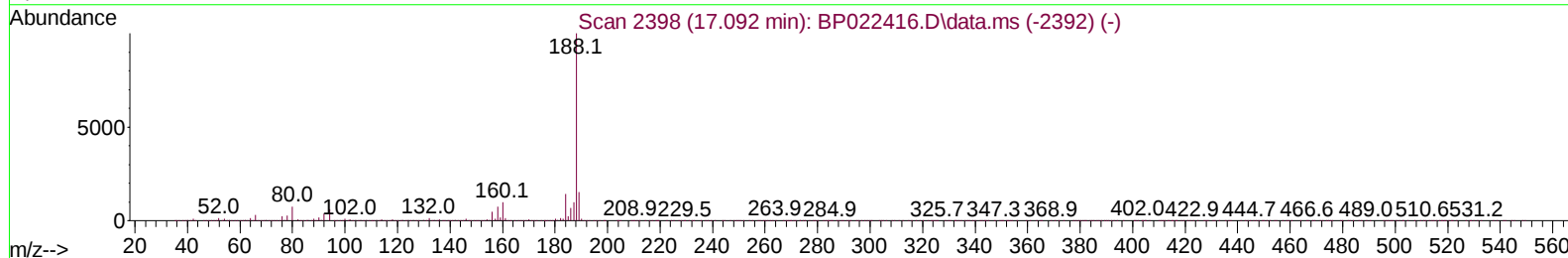
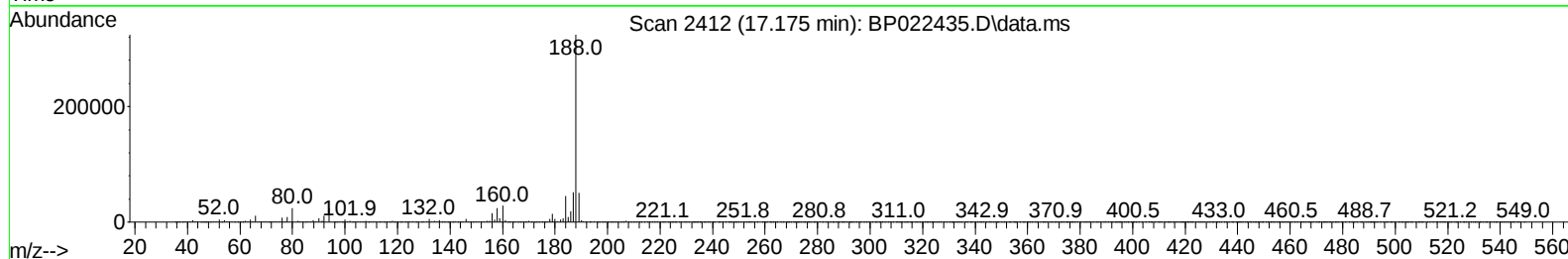
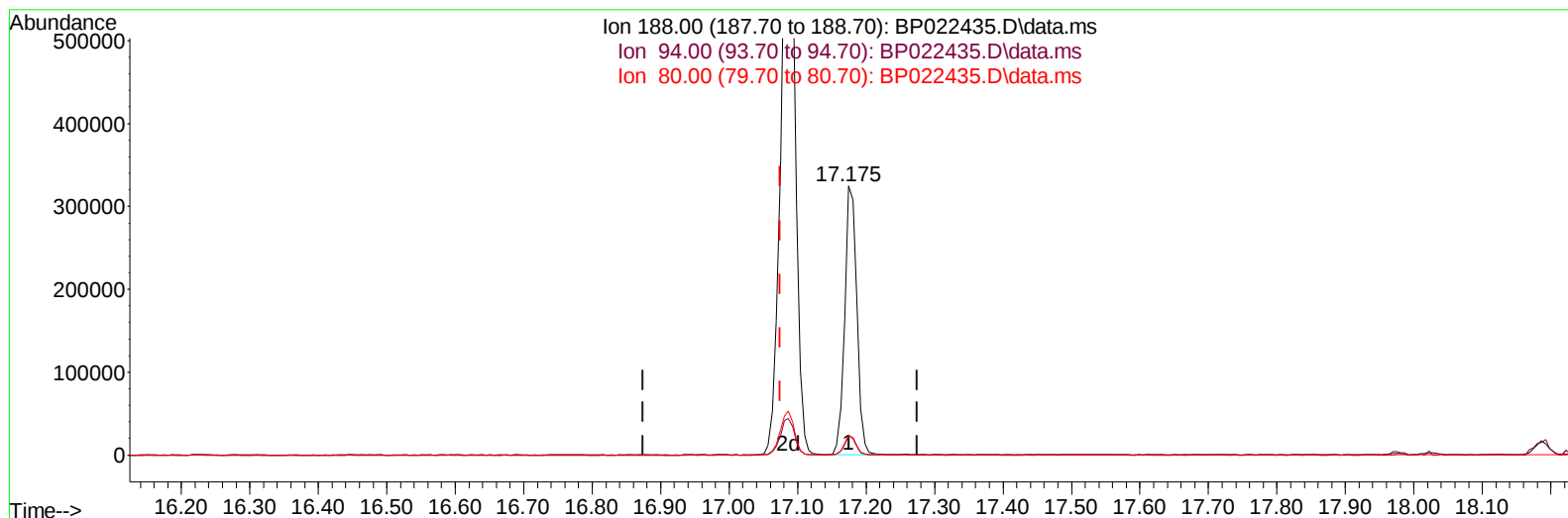
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:37:07 2024
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Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(64) Phenanthrene-d10 (I)

17.175min (+ 0.100) 20.00 ng/u1

response 397463

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	7.30
80.00	8.20	7.53
0.00	0.00	0.00

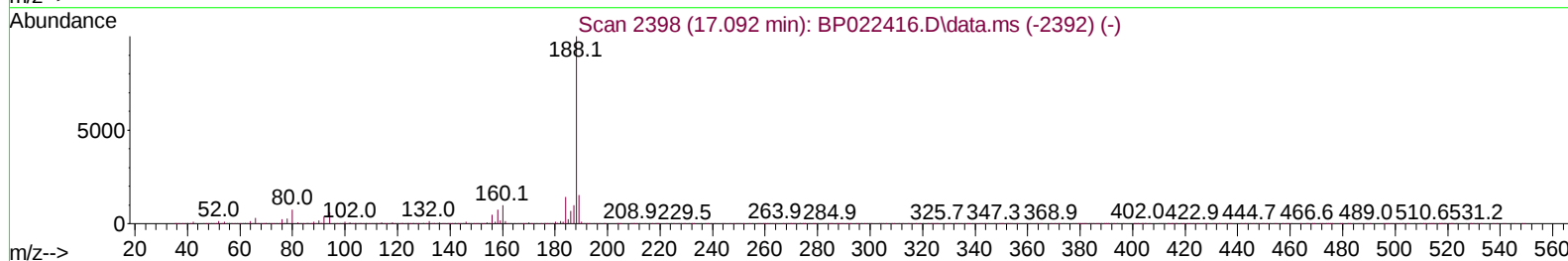
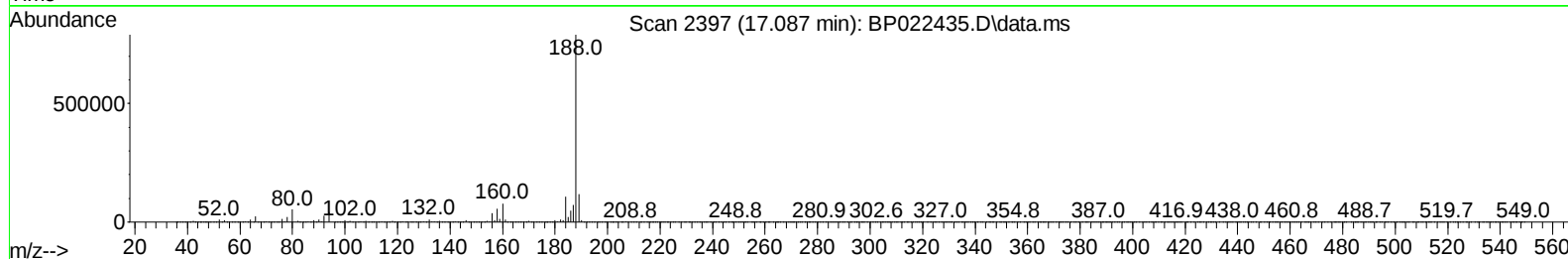
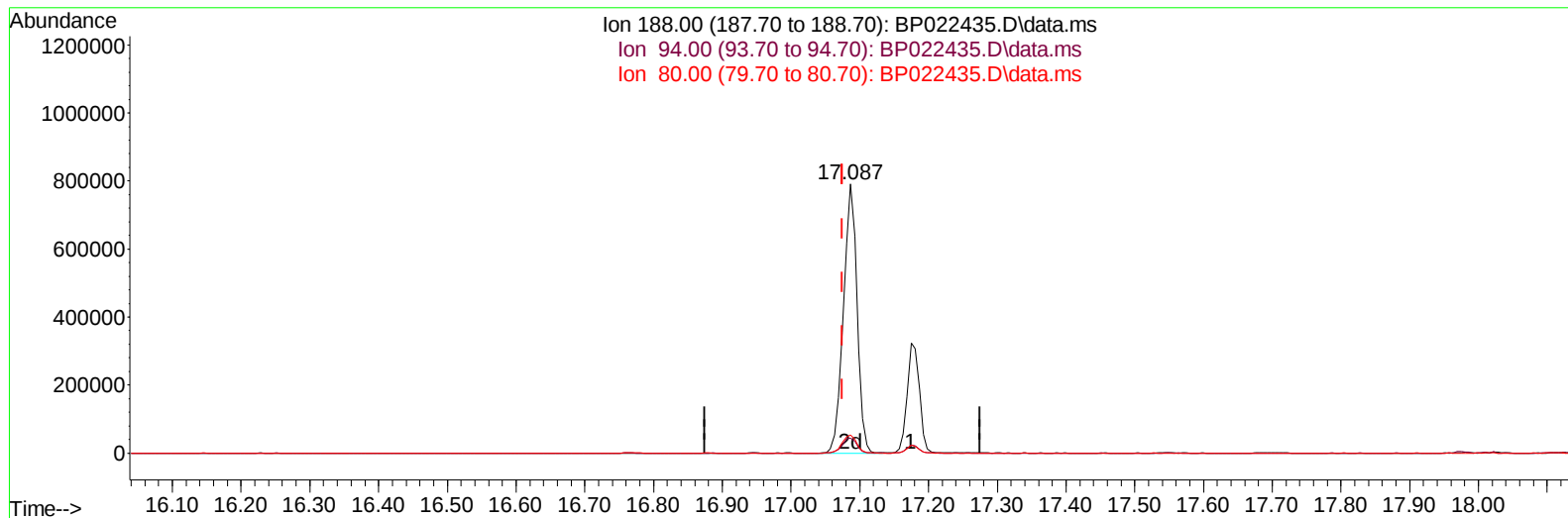
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:37:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(64) Phenanthrene-d10 (I)

17.087min (+ 0.012) 20.00 ng/ul m

response 1082507

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	5.53#
80.00	8.20	6.75
0.00	0.00	0.00

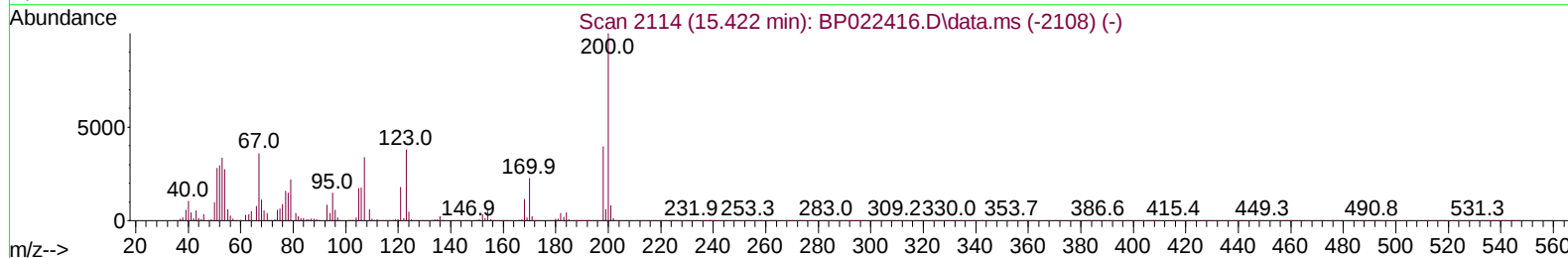
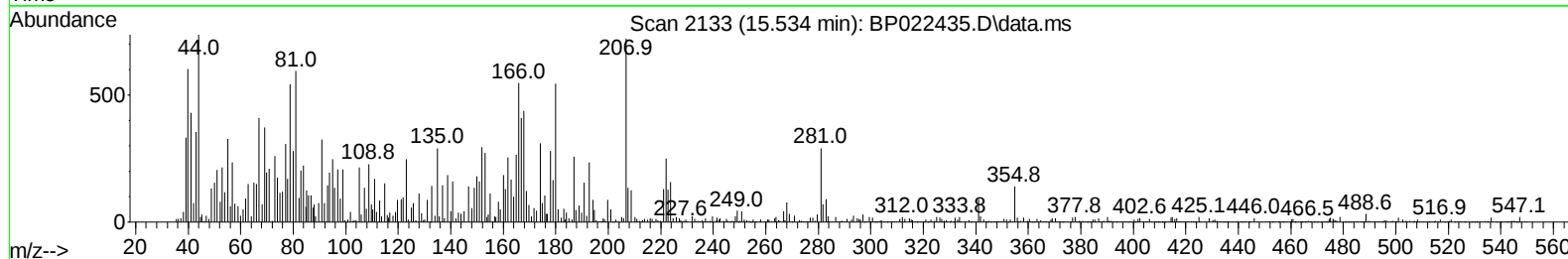
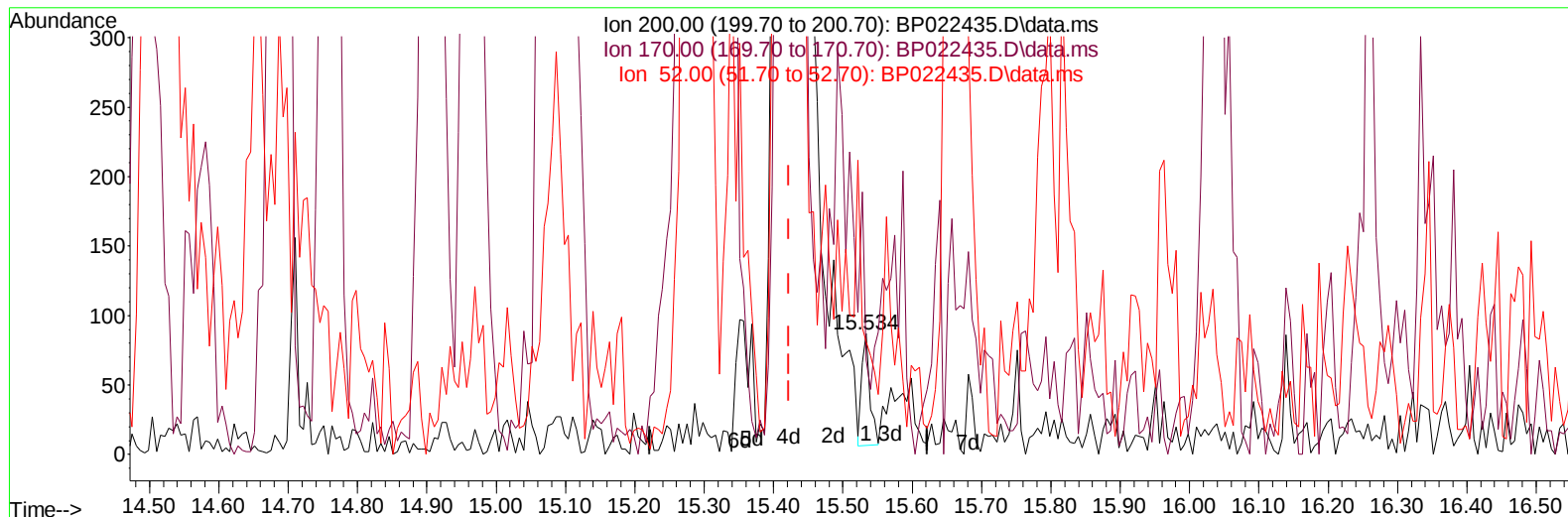
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Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
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TIC: BP022435.D\data.ms

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

15.534min (+ 0.112) 0.01 ng/u1

response 66

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	103.45#
52.00	36.60	93.10#
0.00	0.00	0.00

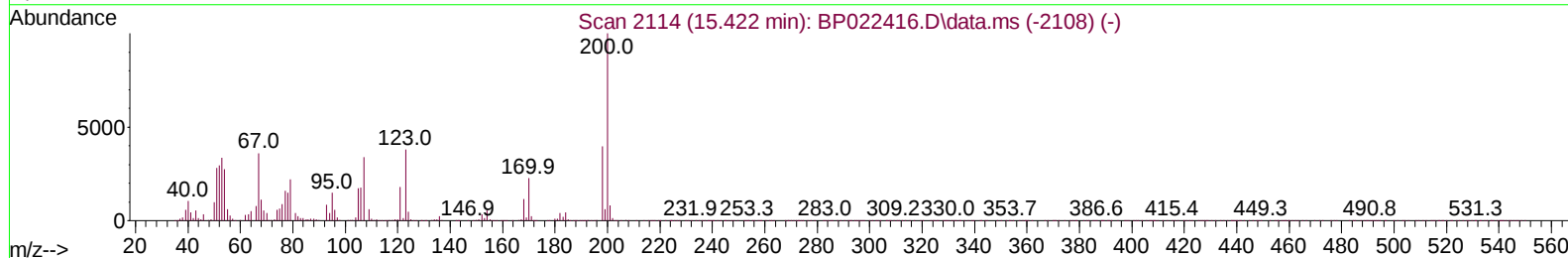
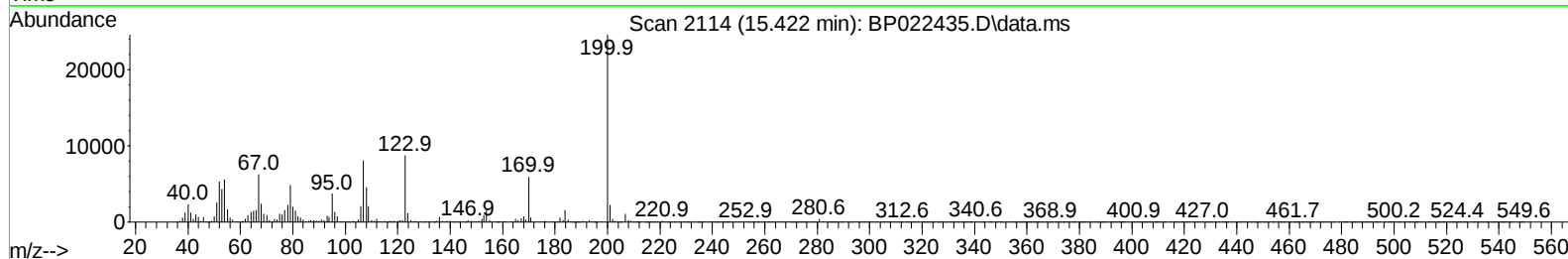
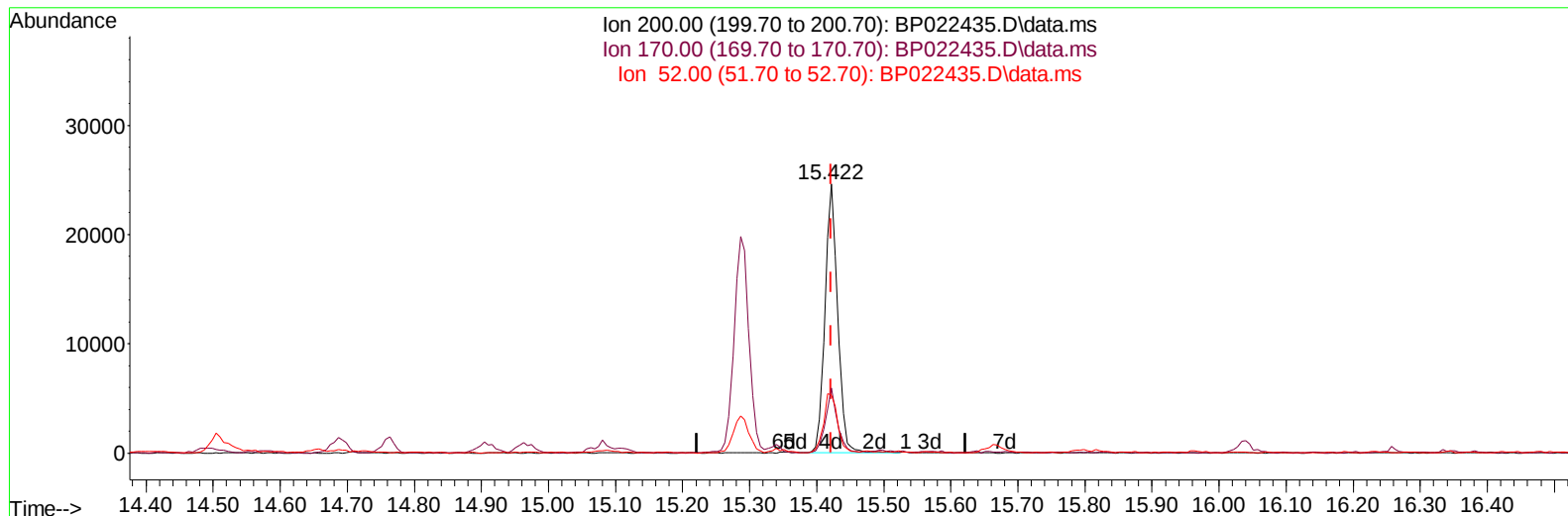
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
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TIC: BP022435.D\data.ms

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

15.422min (+ 0.000) 4.60 ng/ul m

response 32751

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	24.08
52.00	36.60	21.62#
0.00	0.00	0.00

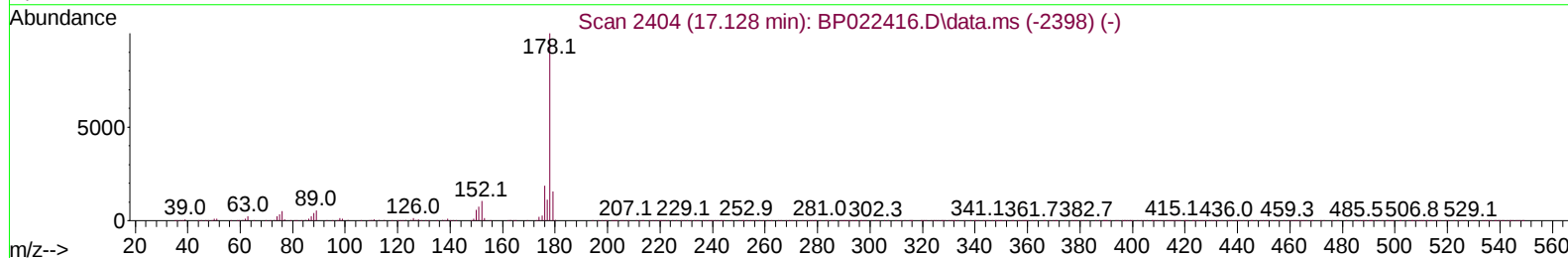
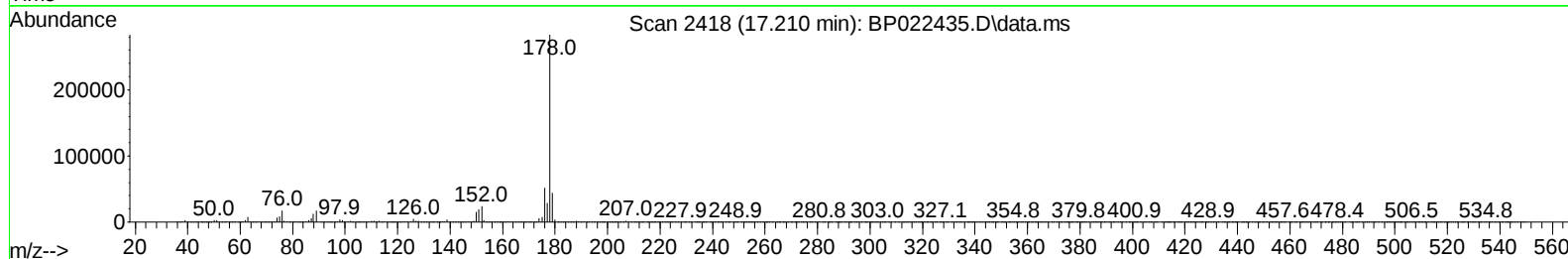
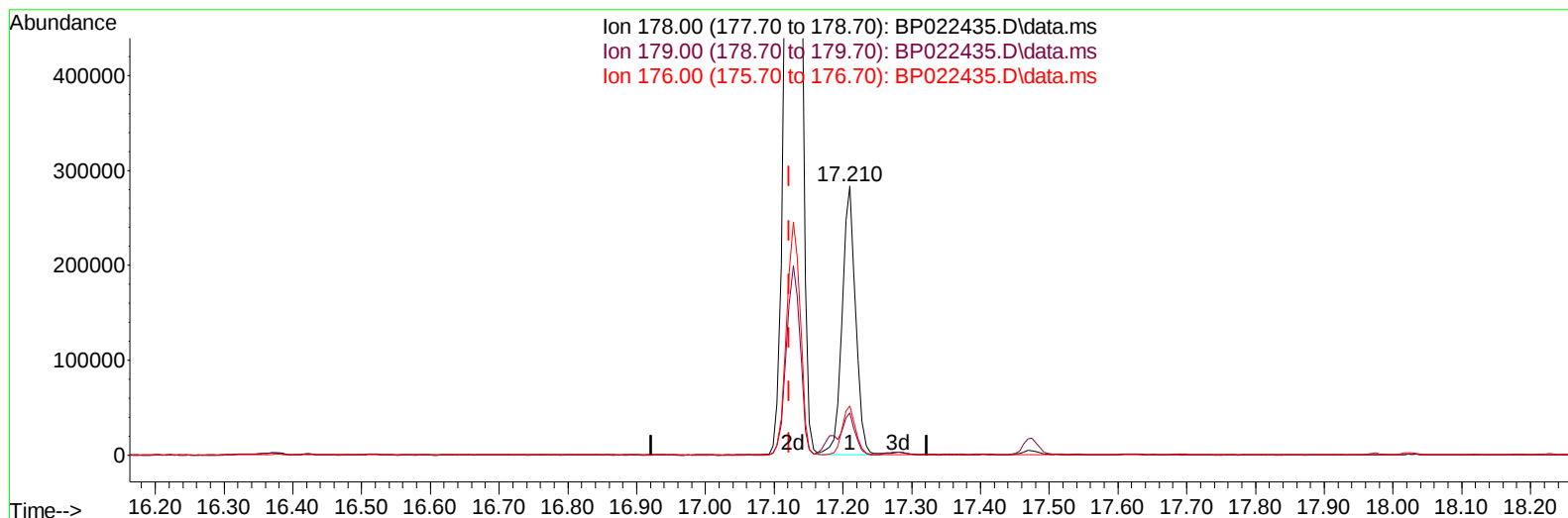
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Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

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TIC: BP022435.D\data.ms

(72) Phenanthrene

17.210min (+ 0.088) 6.65 ng/u1

response 385250

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.62
176.00	19.60	18.38
0.00	0.00	0.00

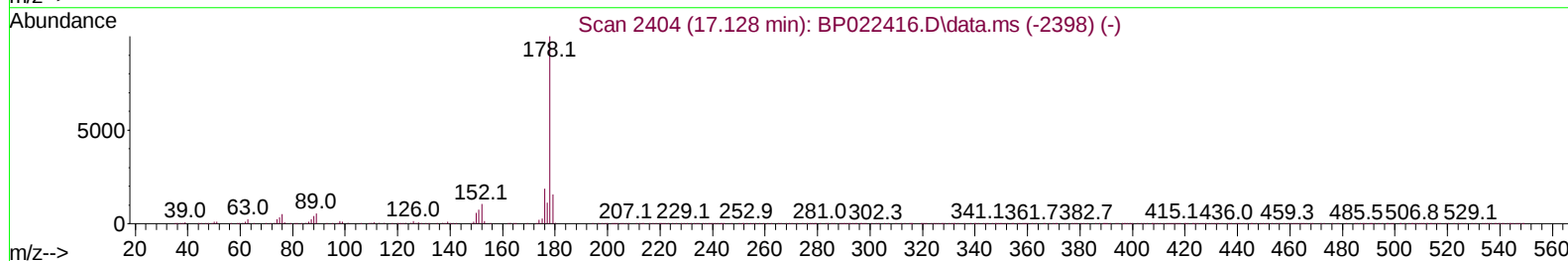
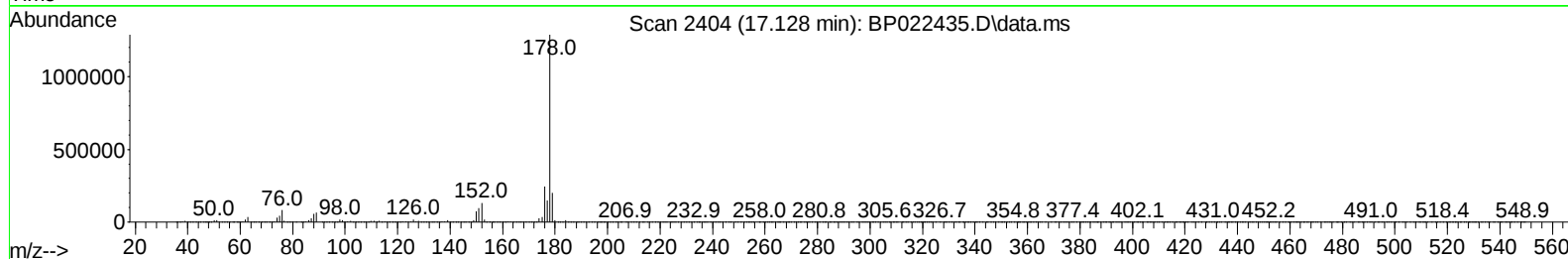
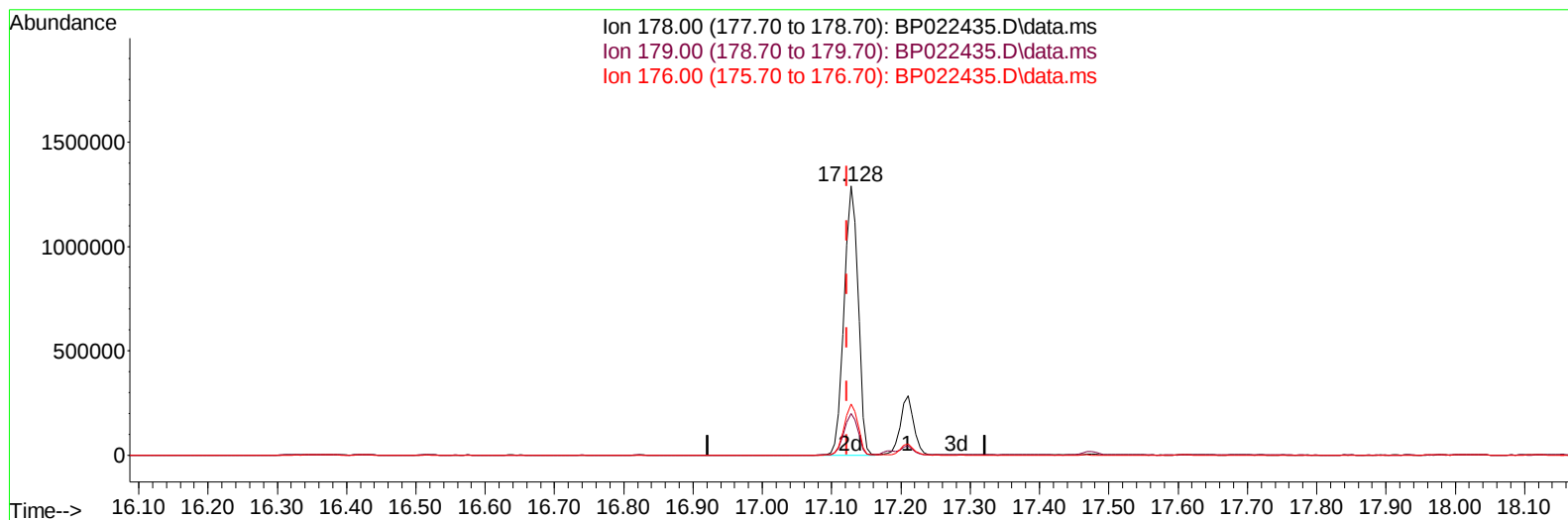
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:44:06 2024
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Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(72) Phenanthrene

17.128min (+ 0.006) 31.21 ng/ul m

response 1807780

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.46
176.00	19.60	19.08
0.00	0.00	0.00

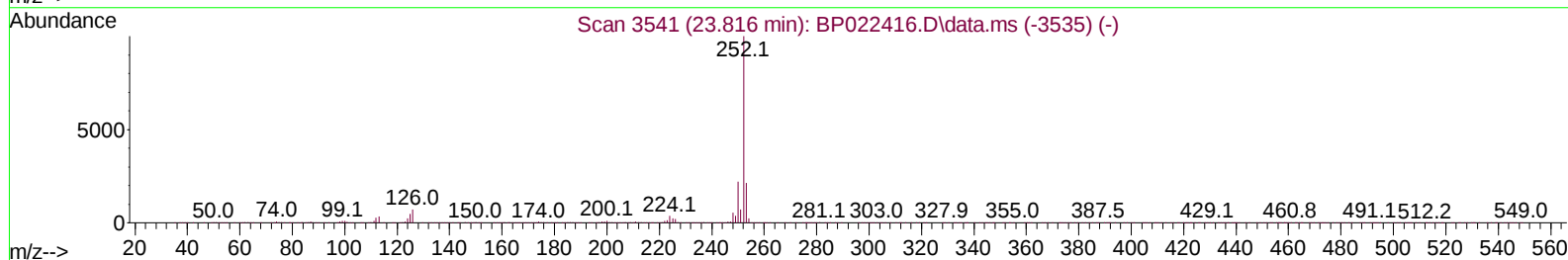
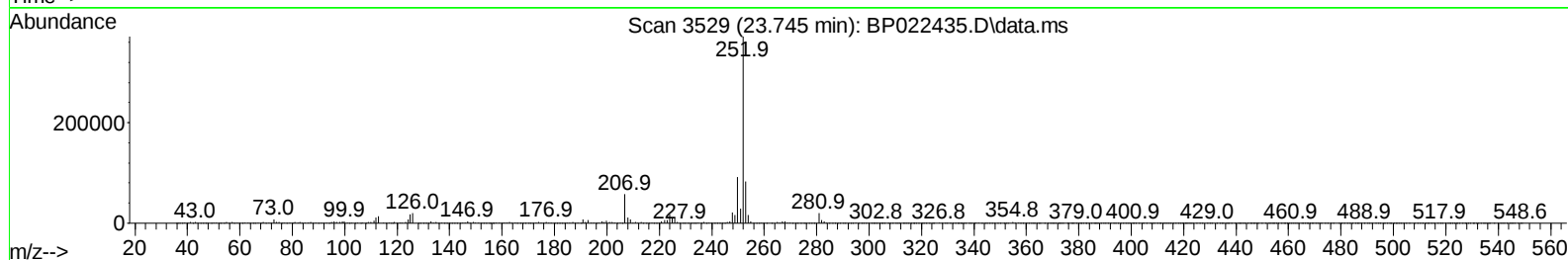
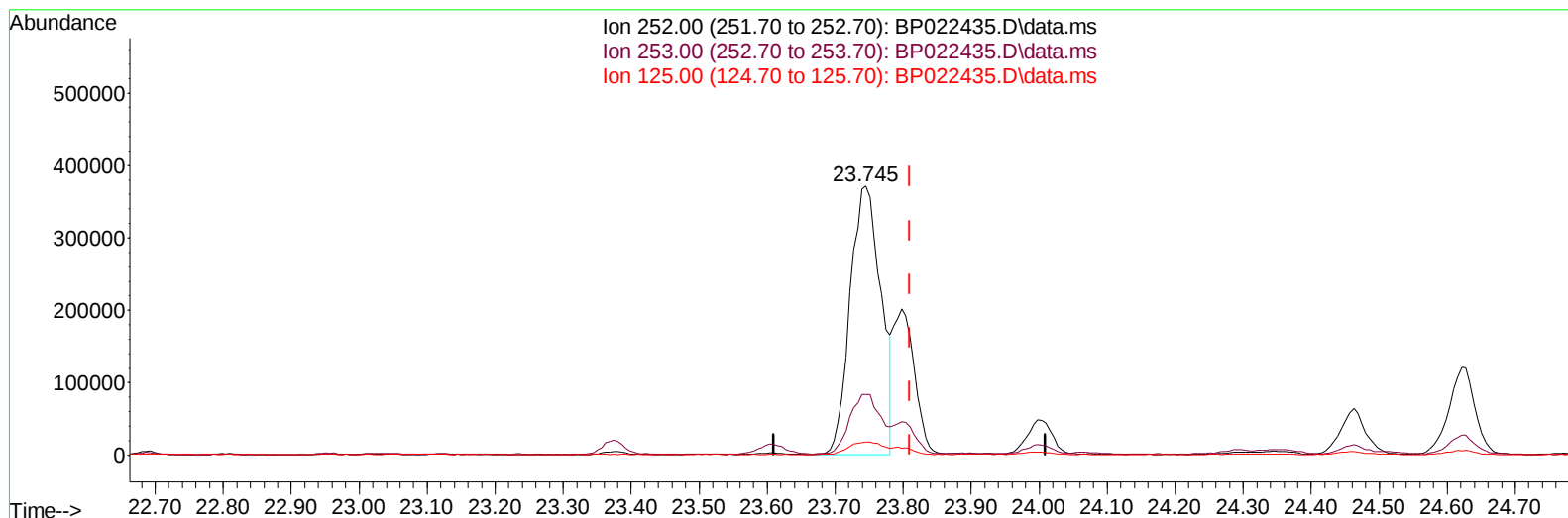
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Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
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Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

(91) Benzo(k)fluoranthene

23.745min (-0.065) 14.33 ng/u1

response 1168169

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.70	22.47
125.00	5.70	4.85
0.00	0.00	0.00

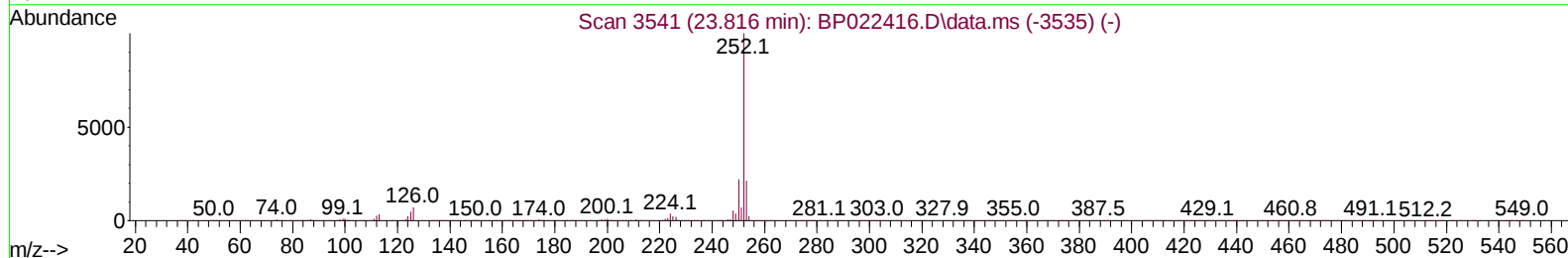
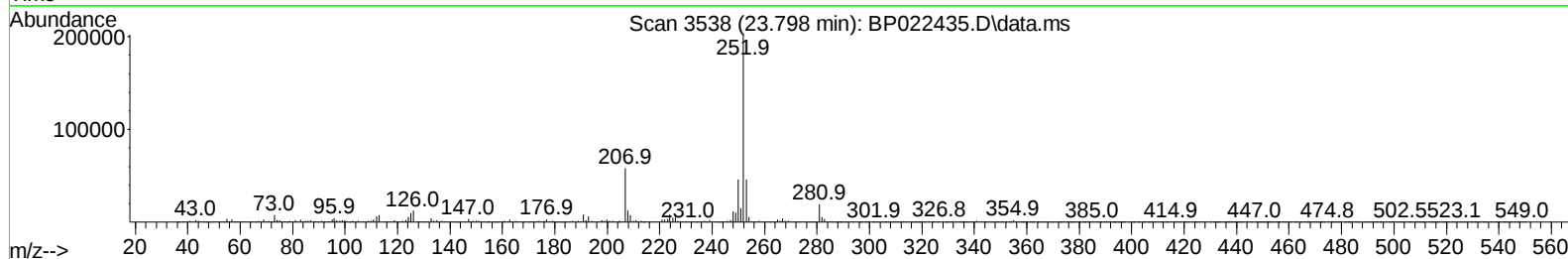
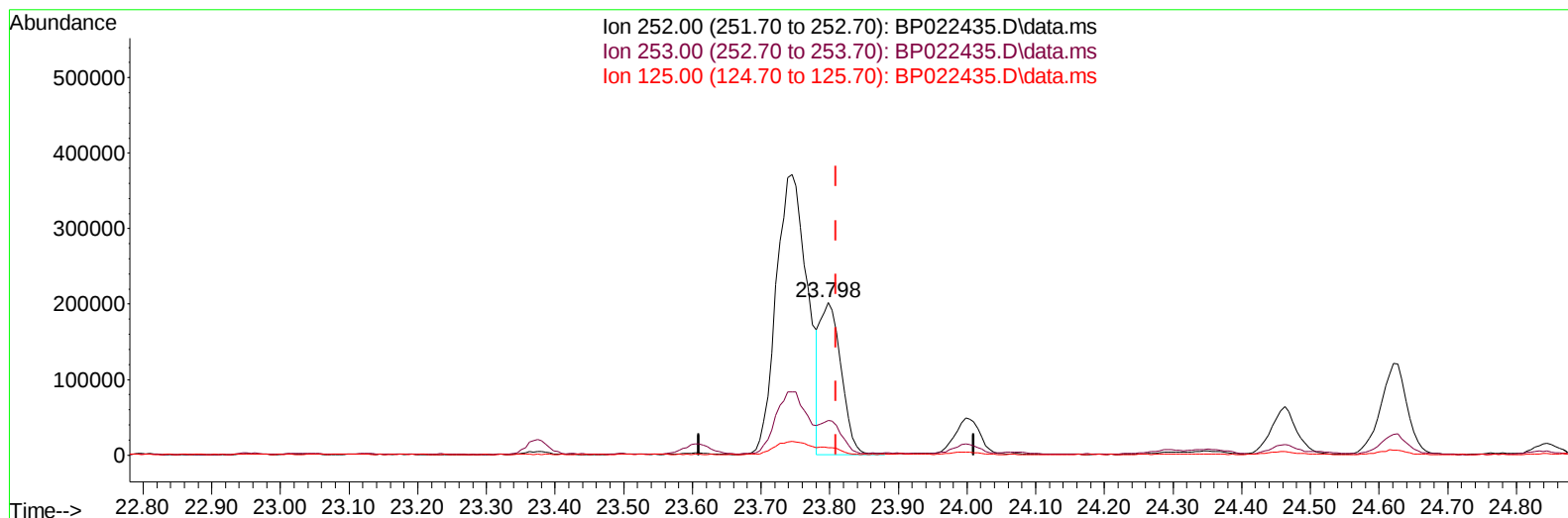
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024

Quant Time: Oct 17 06:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration



TIC: BP022435.D\data.ms

(91) Benzo(k)fluoranthene

23.798min (-0.012) 5.29 ng/u1 m

response 431648

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.70	22.64
125.00	5.70	4.66
0.00	0.00	0.00

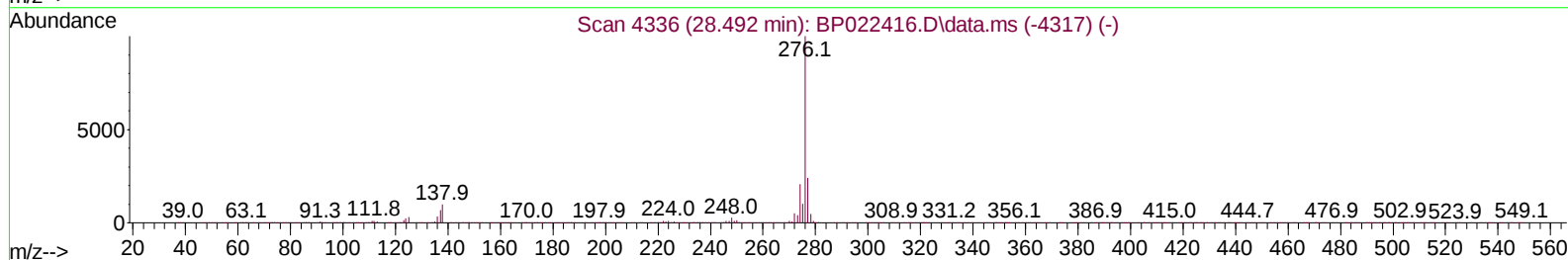
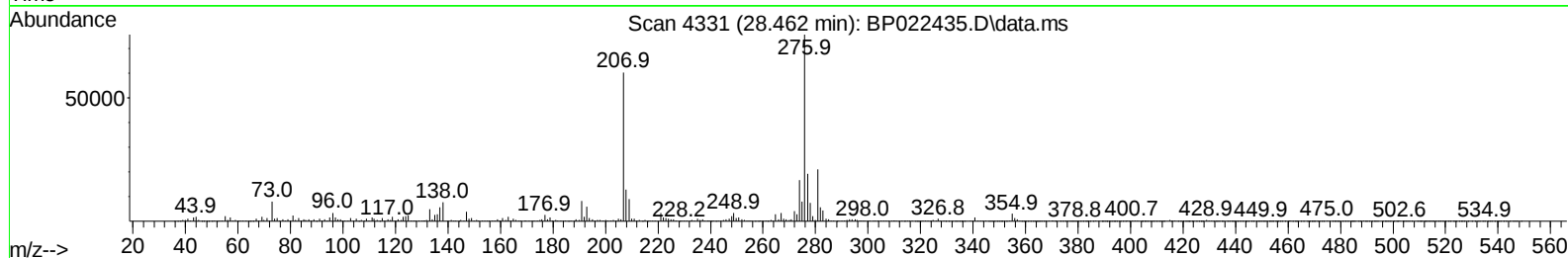
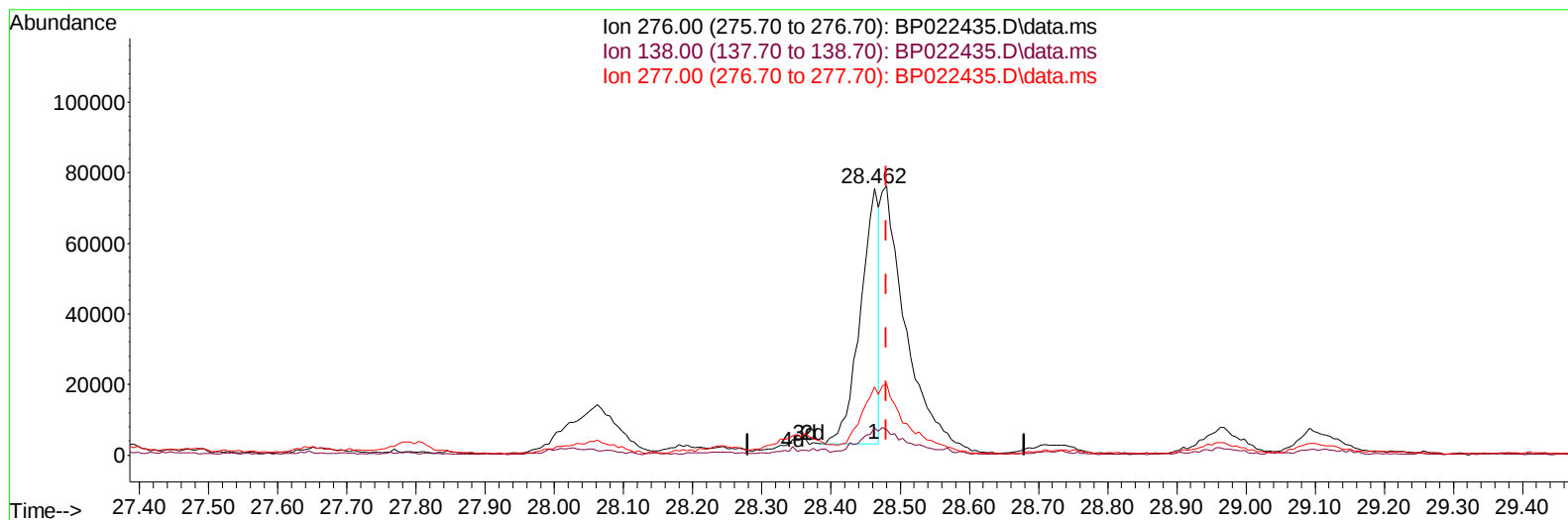
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

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

28.462min (-0.018) 1.33 ng/u1

response 135794

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	10.01
277.00	23.20	25.52
0.00	0.00	0.00

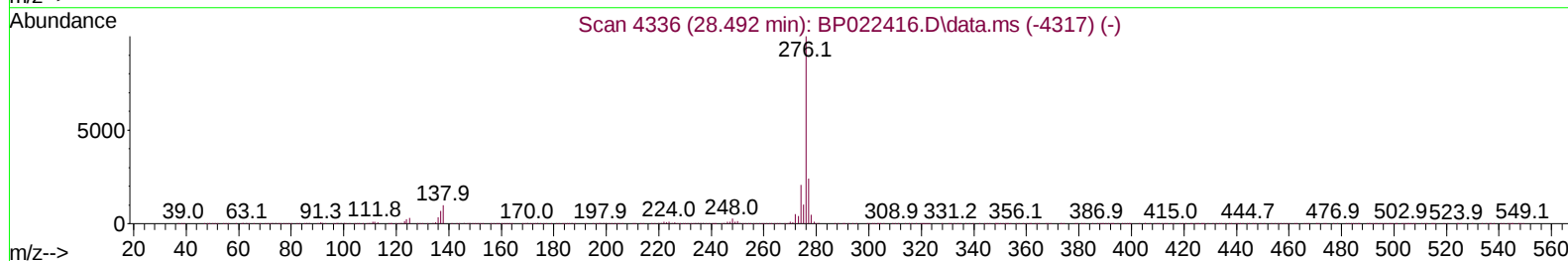
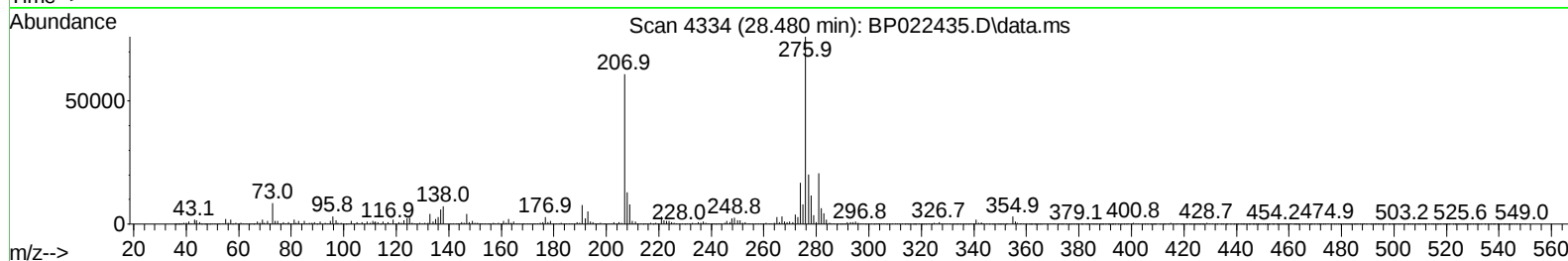
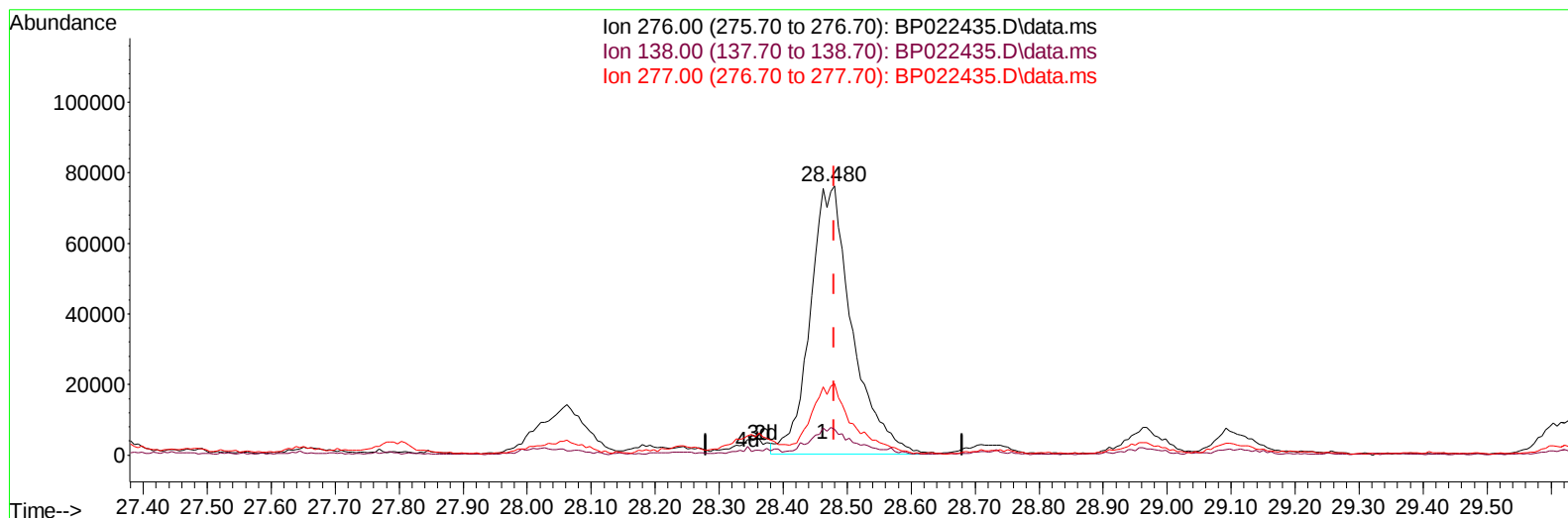
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
Data File : BP022435.D
Acq On : 17 Oct 2024 05:59
Operator : RC/JU
Sample : P4284-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:44:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 05:42:26 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/18/2024



TIC: BP022435.D\data.ms

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

28.480min (+ 0.000) 3.40 ng/ul m

response 347329

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	9.53
277.00	23.20	26.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101624\
 Data File : BP022435.D
 Acq On : 17 Oct 2024 05:59
 Operator : RC/JU
 Sample : P4284-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4ET1

Manual IntegrationsAPPROVED

Quant Time: Oct 17 06:47:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 05:42:26 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2024
 Supervised By :mohammad ahmed 10/18/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.669	152		136380	20.000	ng/ul	0.00
20) Naphthalene-d8	10.428	136		529652	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.281	164		440703	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.087	188		1082507m	20.000	ng/ul	0.01
79) Chrysene-d12	21.504	240		1097240	20.000	ng/ul	-0.01
88) Perylene-d12	24.774	264		1322773	20.000	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.199	96		3628	1.034	ng/uL	0.00
4) Pyridine-d5	3.628	84		13925m	1.445	ng/ul	0.02
7) Phenol-d5	6.858	99		73861	6.434	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67		47716	7.072	ng/ul	0.00
11) 2-Chlorophenol-d4	7.211	132		62827	7.713	ng/ul	0.00
15) 4-Methylphenol-d8	8.375	113		22170	2.420	ng/ul	0.00
21) Nitrobenzene-d5	8.810	128		31469	7.727	ng/ul	0.00
24) 2-Nitrophenol-d4	9.522	143		37784	8.014	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.063	165		74096	7.394	ng/ul	0.00
31) 4-Chloroaniline-d4	10.575	131		8716m	0.736	ng/ul	0.02
46) Dimethylphthalate-d6	13.687	166		280804	8.020	ng/ul	0.00
49) Acenaphthylene-d8	13.969	160		286374	7.700	ng/ul	0.00
54) 4-Nitrophenol-d4	14.504	143		27832m	4.738	ng/ul	0.00
60) Fluorene-d10	15.287	176		254708	8.387	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.422	200		32751m	4.600	ng/ul	0.00
73) Anthracene-d10	17.175	188		397005	7.796	ng/ul	-0.01
81) Pyrene-d10	19.563	212		385066	6.636	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.545	264		281674	3.987	ng/ul	0.00
Target Compounds							
						Qvalue	
16) Acetophenone	8.475	105		23834	1.576	ng/ul	93
30) Naphthalene	10.475	128		48108	1.705	ng/ul	98
52) Acenaphthene	14.340	153		103084	3.777	ng/ul	99
56) Dibenzofuran	14.687	168		71148	1.735	ng/ul	96
61) Fluorene	15.345	166		115632	3.462	ng/ul	98
72) Phenanthrene	17.128	178		1807780m	31.214	ng/ul	
74) Anthracene	17.210	178		380444	6.583	ng/ul	99
77) Carbazole	17.504	167		139453	2.727	ng/ul	99
80) Fluoranthene	19.222	202		2529146	37.915	ng/ul	97
82) Pyrene	19.592	202		1358089	18.996	ng/ul	98
85) Benzo(a)anthracene	21.486	228		961526	12.500	ng/ul	98
87) Chrysene	21.551	228		880307	12.343	ng/ul	97
90) Benzo(b)fluoranthene	23.745	252		1168169	14.030	ng/ul#	99
91) Benzo(k)fluoranthene	23.798	252		431648m	5.295	ng/ul	
93) Benzo(a)pyrene	24.621	252		320670	4.185	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.480	276		347329m	3.396	ng/ul	
95) Dibenzo(a,h)anthracene	28.533	278		145063	1.752	ng/ul#	92

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

