

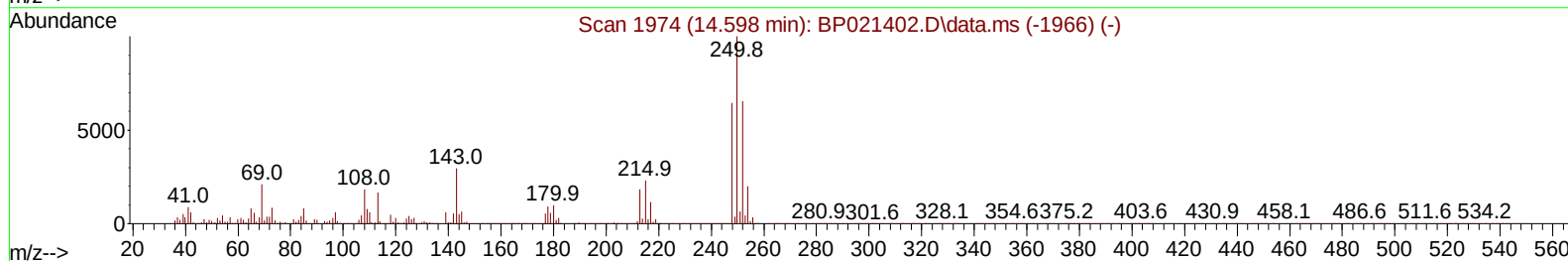
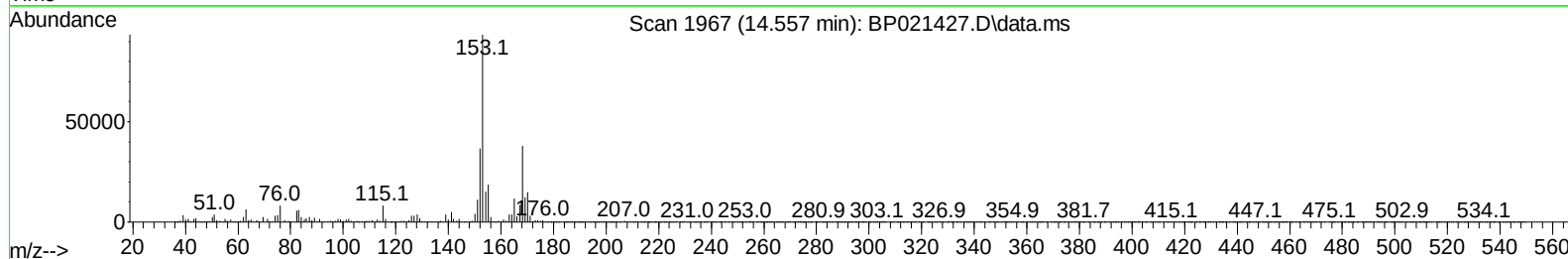
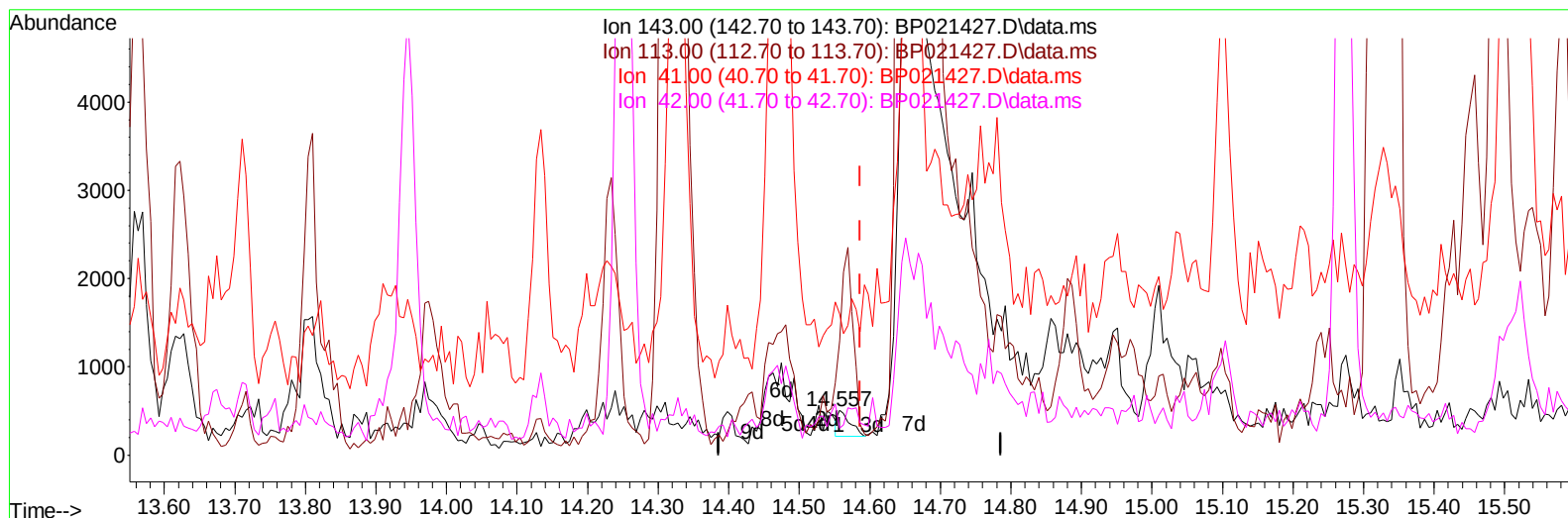
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:11:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.557min (-0.029) 0.08 ng/uL

response 357

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	256.24#
41.00	37.90	316.63#
42.00	27.10	61.19#

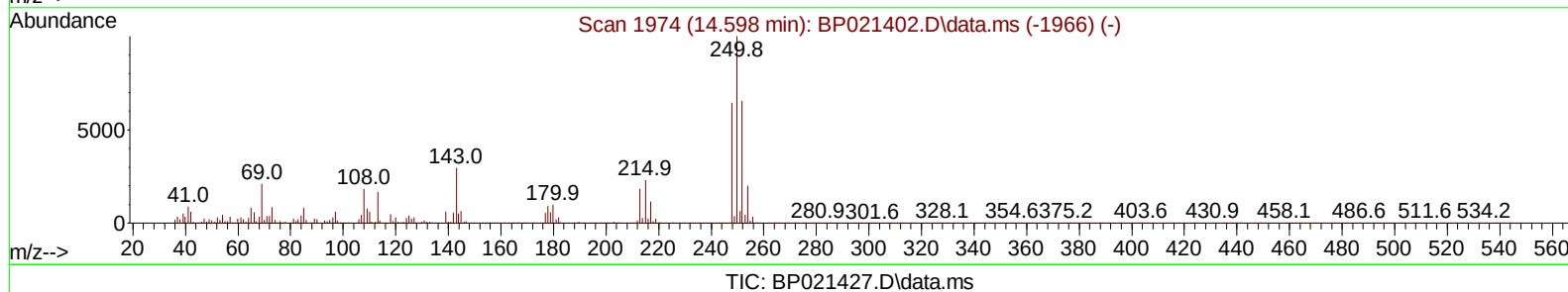
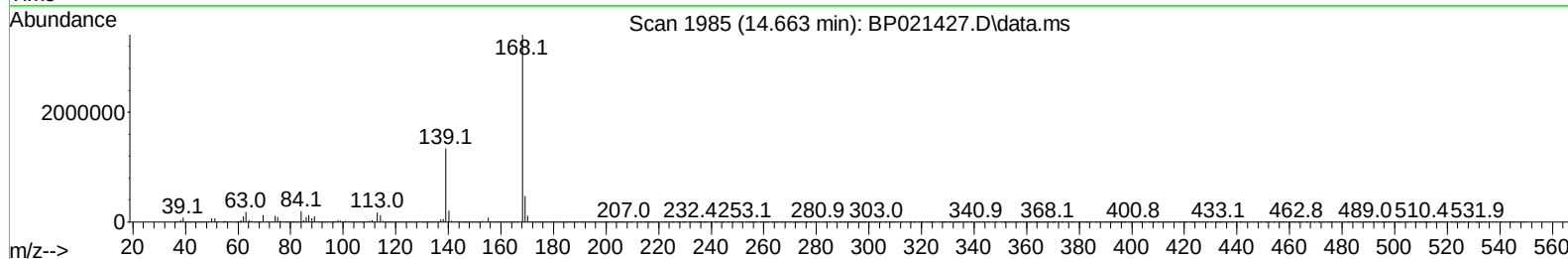
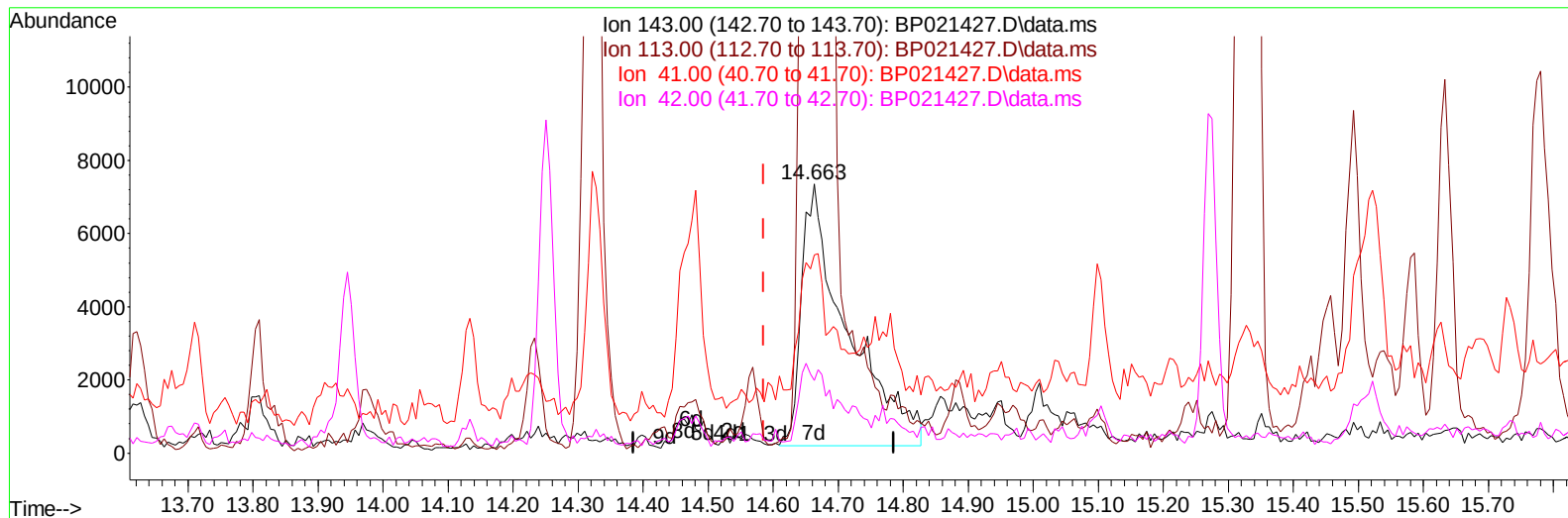
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



(54) 4-Nitrophenol-d4 (S)

14.663min (+ 0.077) 7.78 ng/ul m

response 34574

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	2390.75#
41.00	37.90	73.60#
42.00	27.10	27.07

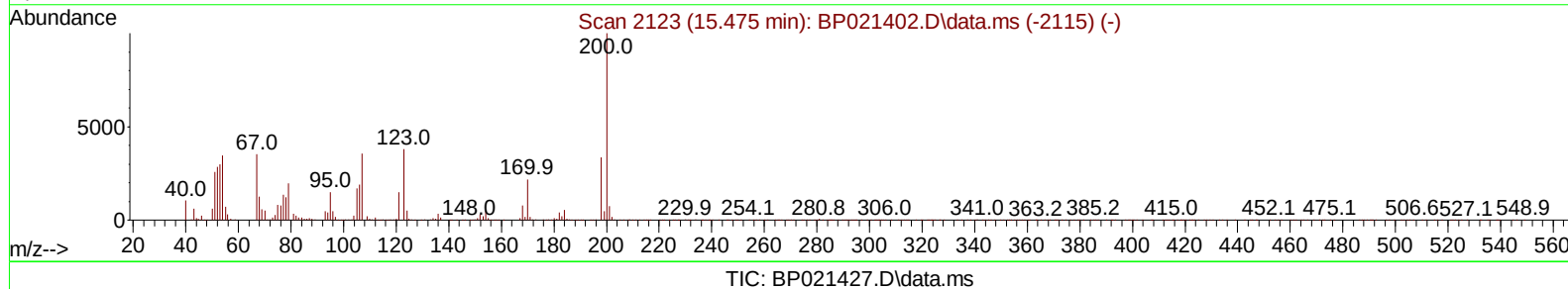
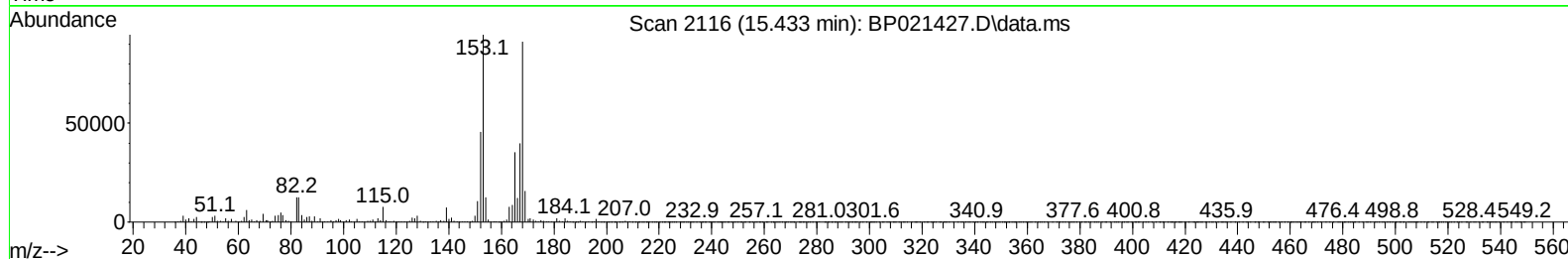
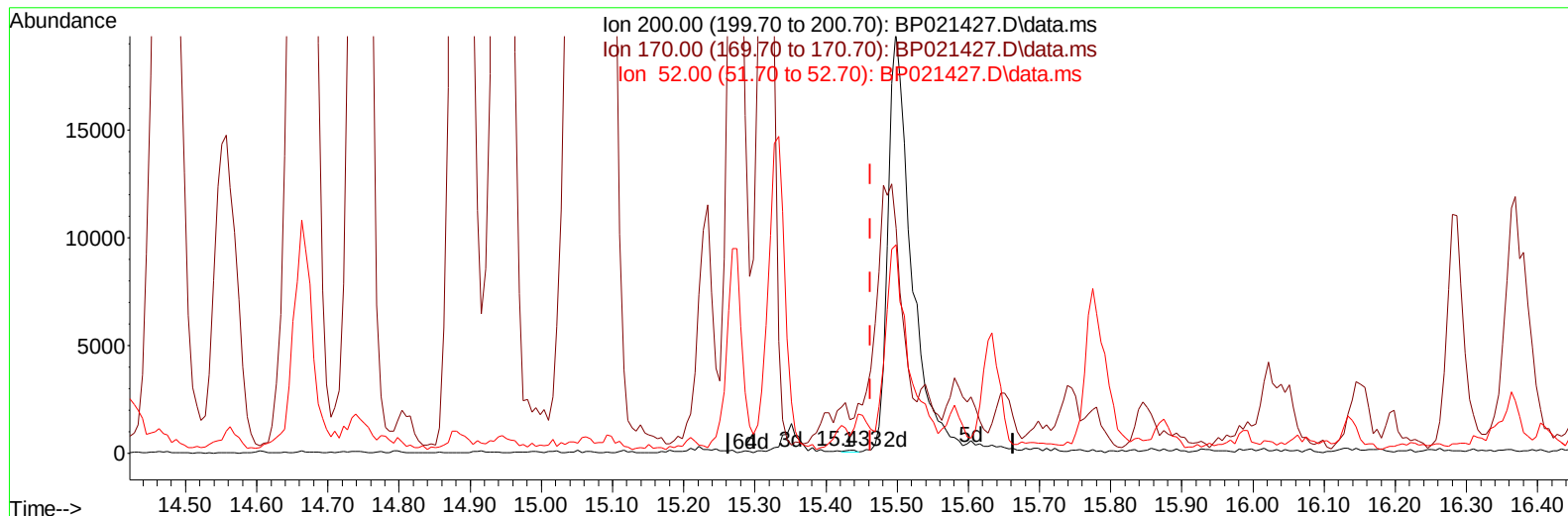
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:11:42 2024
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Quant Title : SVOA CALIBRATION
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Supervised By :mohammad ahmed 08/09/2024



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

15.433min (-0.029) 0.01 ng/ul

response 67

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.00	1170.99#
52.00	38.50	593.13#
0.00	0.00	0.00

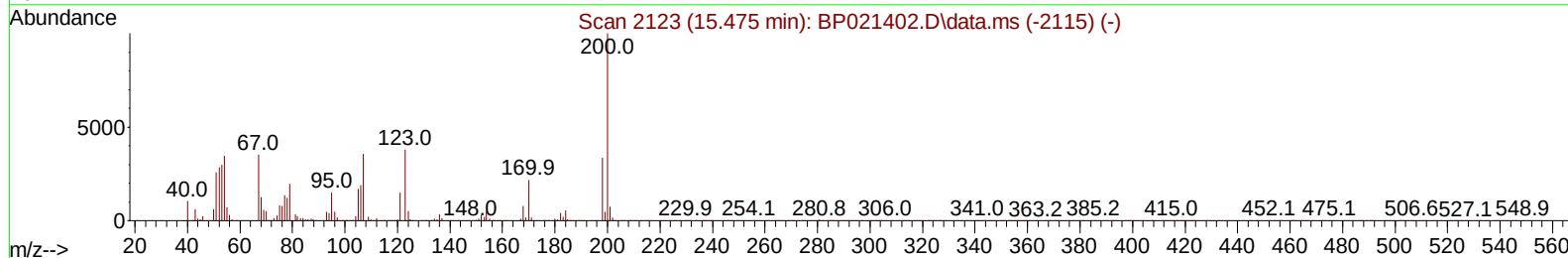
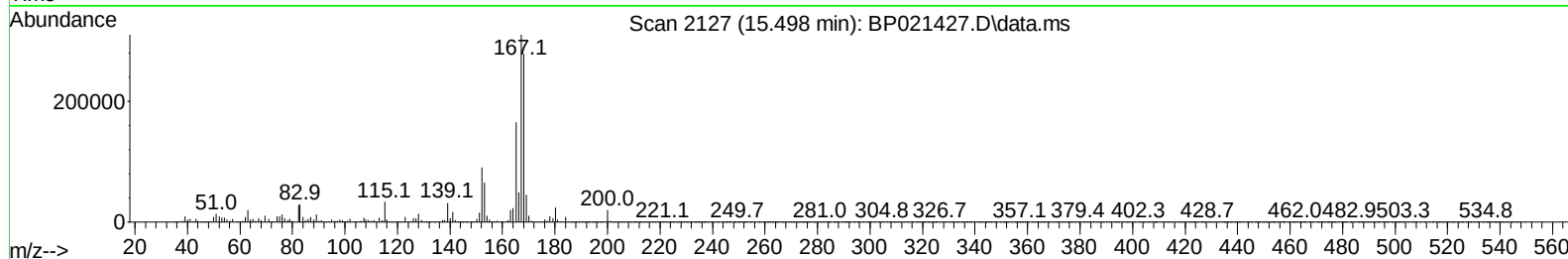
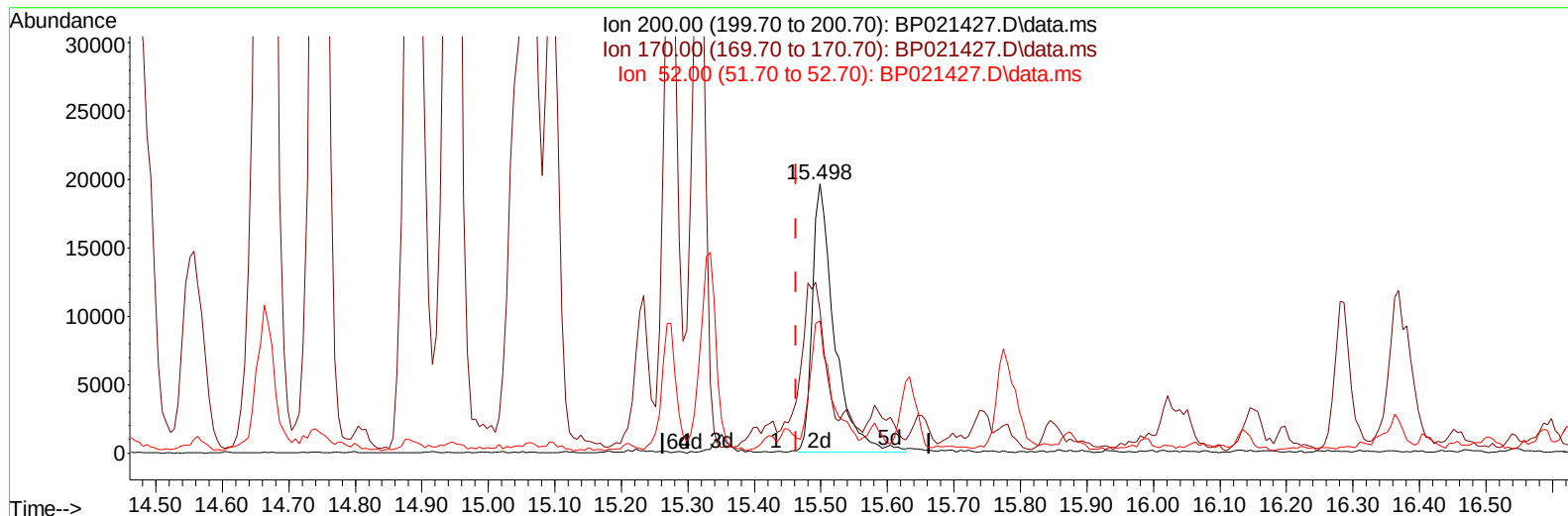
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:11:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
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TIC: BP021427.D\data.ms

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

15.498min (+ 0.035) 7.90 ng/ul m

response 45106

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.00	53.03#
52.00	38.50	49.14#
0.00	0.00	0.00

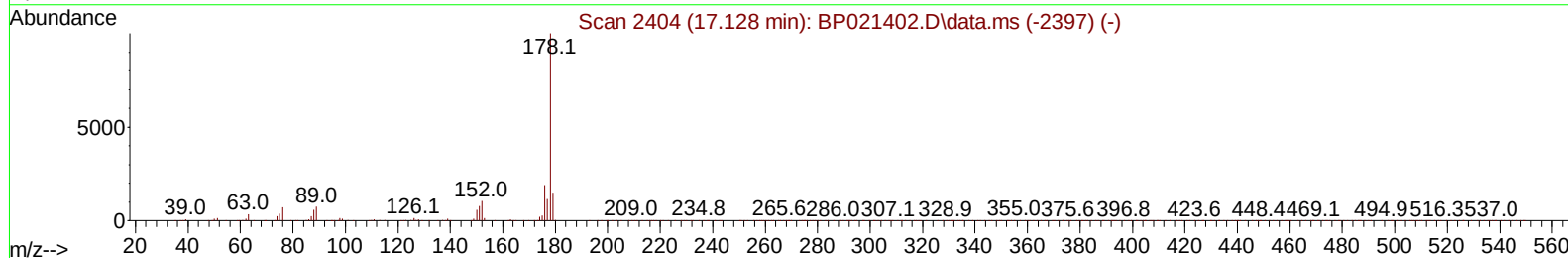
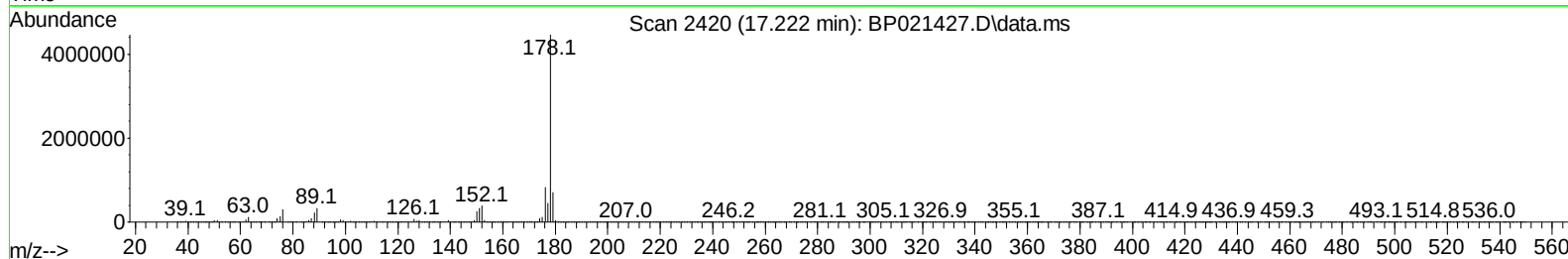
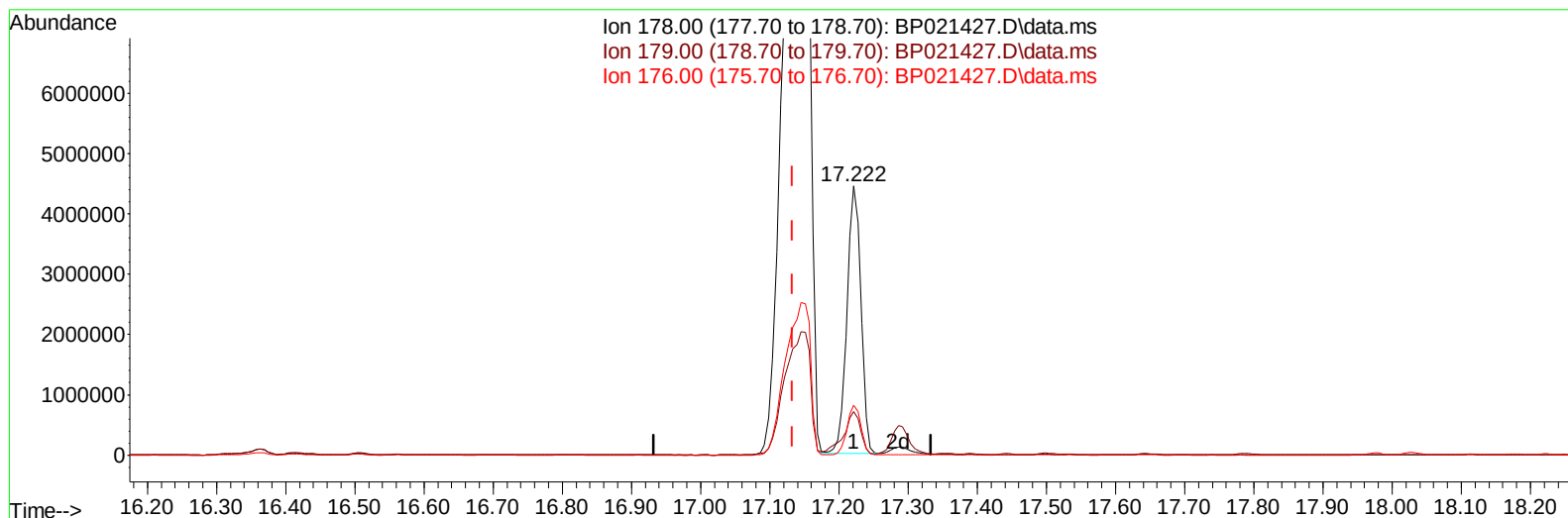
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:11:42 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(72) Phenanthrene

17.222min (+ 0.088) 127.51 ng/uL

response 6239577

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	16.11
176.00	18.70	18.56
0.00	0.00	0.00

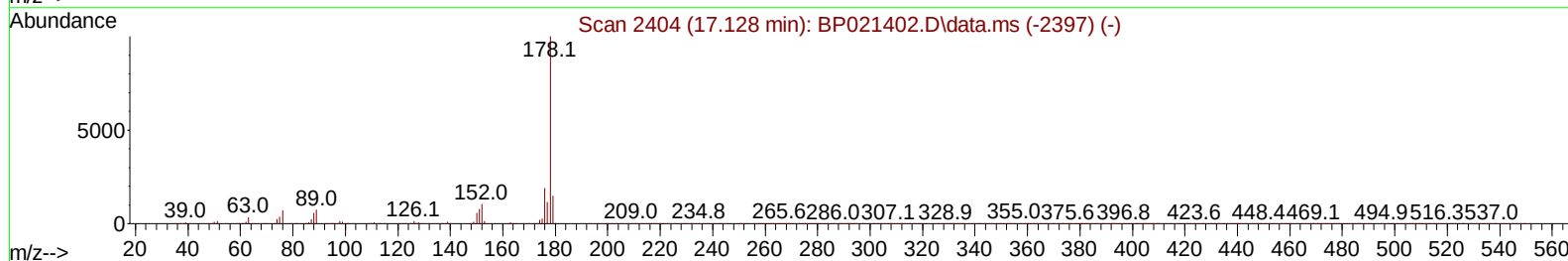
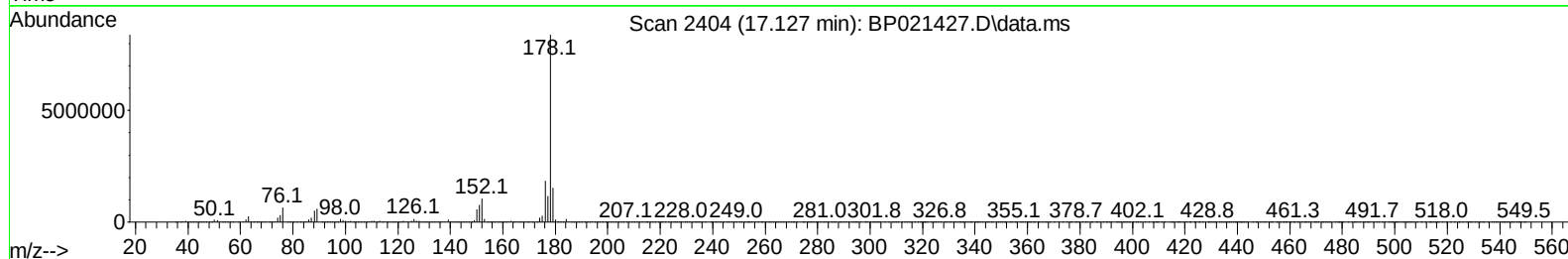
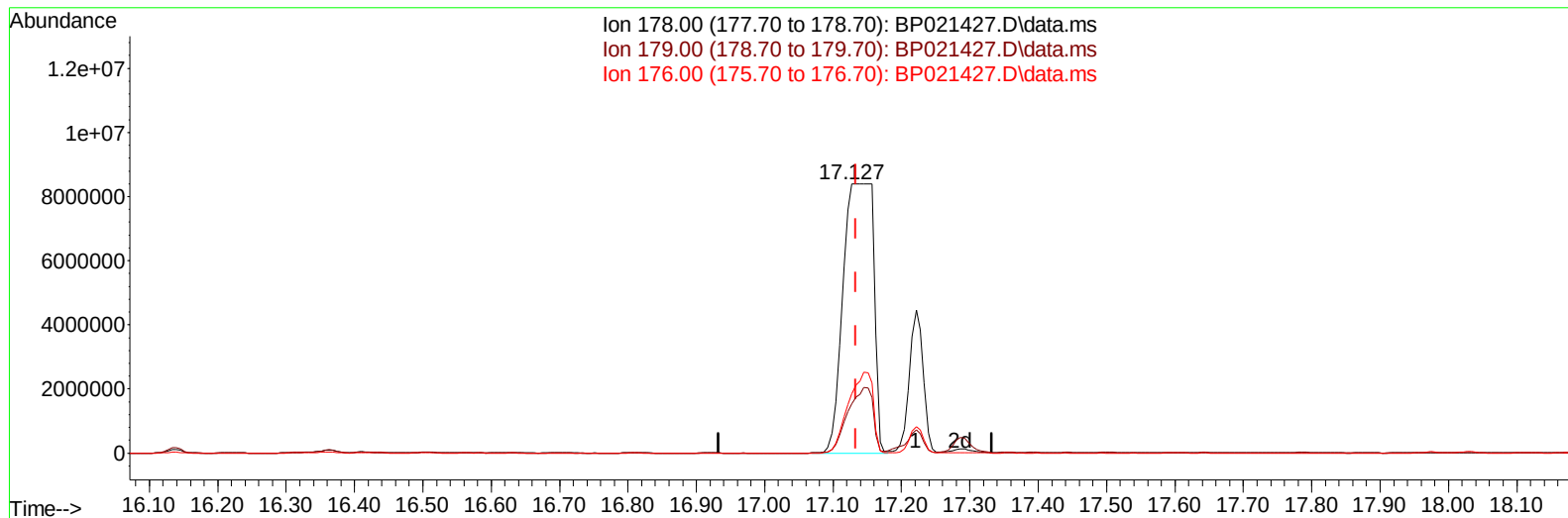
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021427.D
 Acq On : 07 Aug 2024 20:17
 Operator : CG/JU
 Sample : P3437-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:11:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
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Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(72) Phenanthrene

17.127min (-0.006) 531.34 ng/ul m

response 26000432

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	18.39#
176.00	18.70	22.10
0.00	0.00	0.00

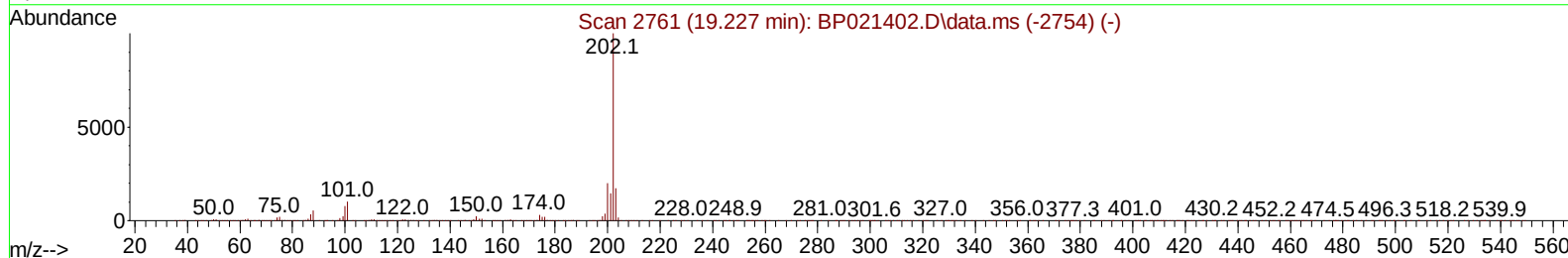
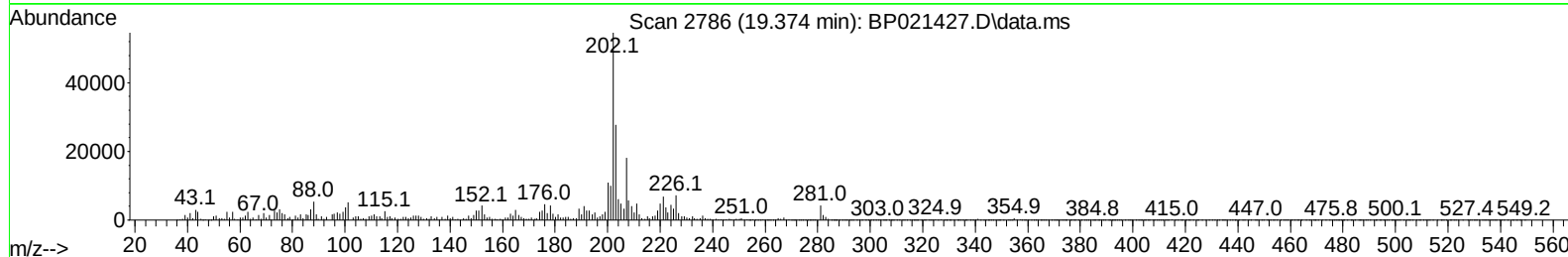
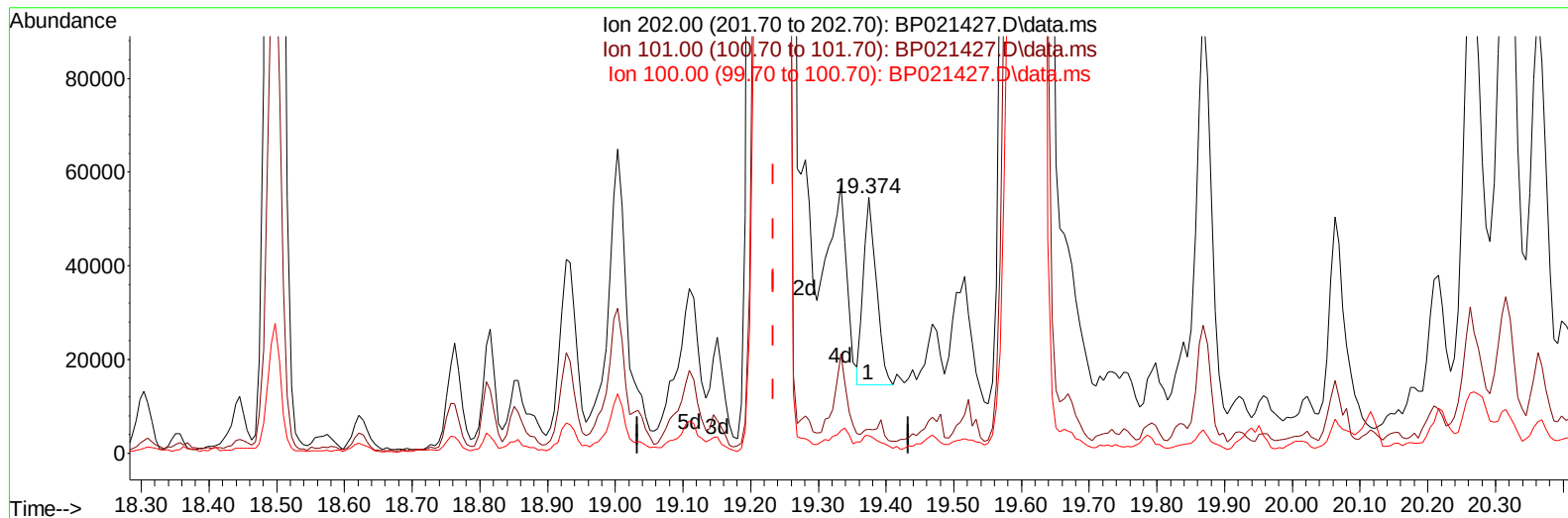
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
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QLast Update : Mon Jul 29 12:46:18 2024
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Reviewed By :Yogesh Patel 08/08/2024
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TIC: BP021427.D\data.ms

(80) Fluoranthene

19.374min (+ 0.141) 0.86 ng/u1

response 53324

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	10.00	9.45
100.00	7.60	6.74
0.00	0.00	0.00

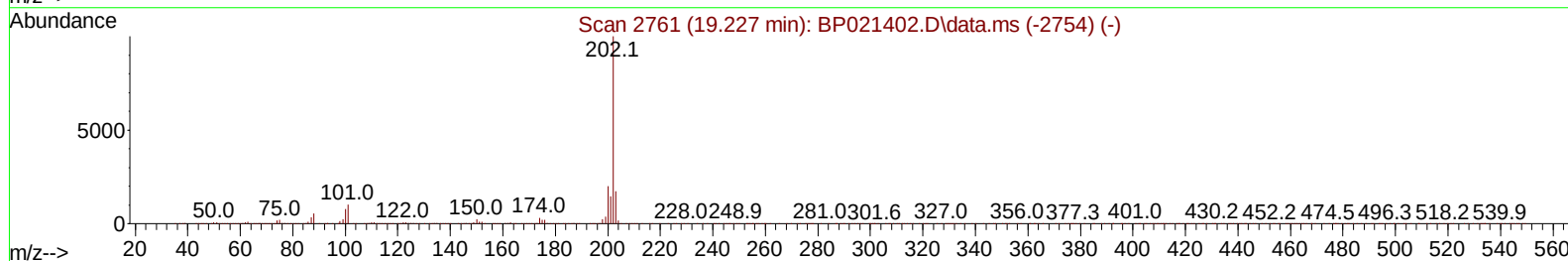
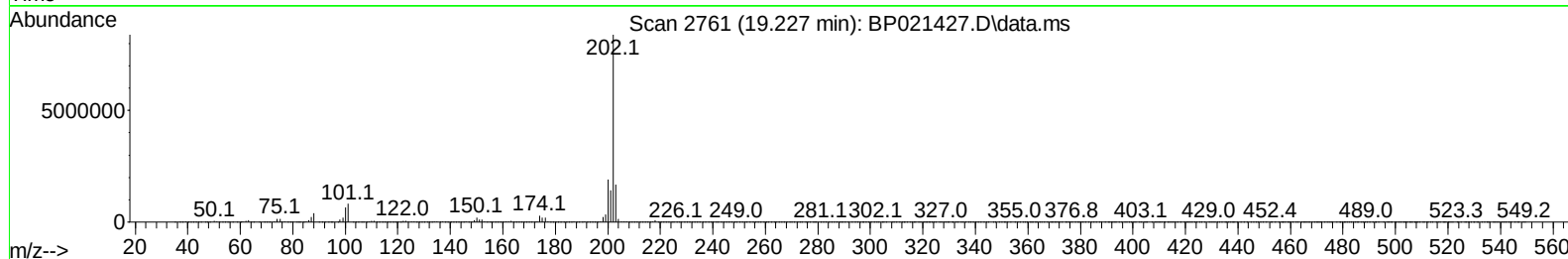
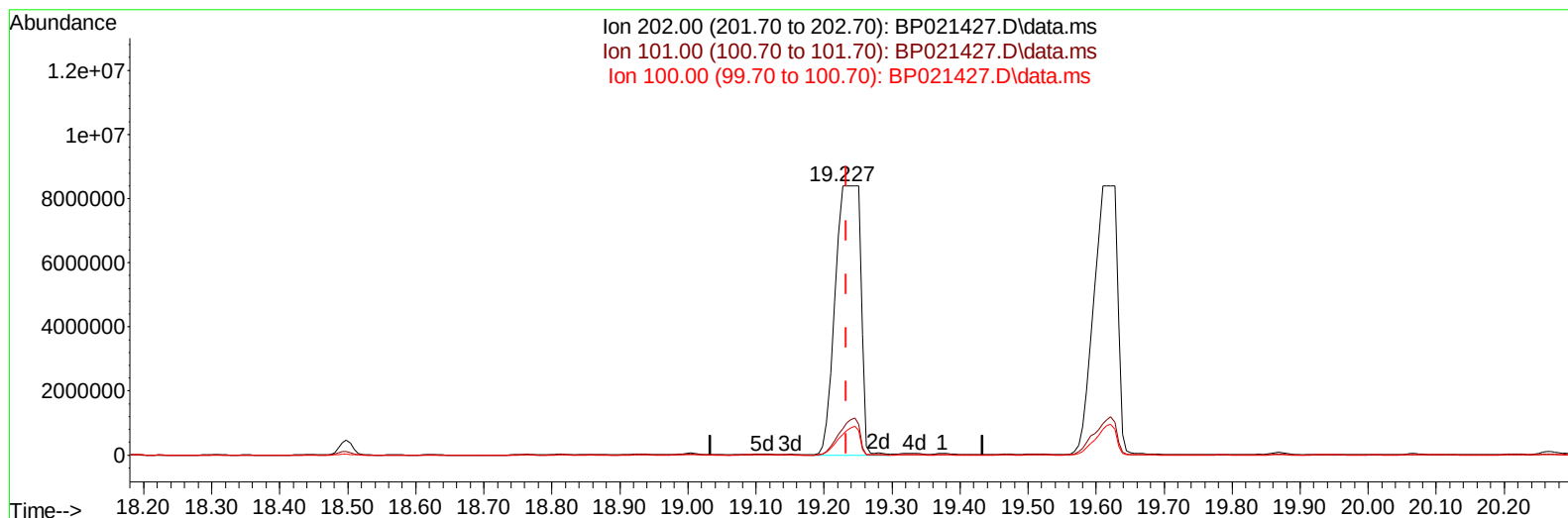
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(80) Fluoranthene

19.227min (-0.006) 350.14 ng/ul m

response 21812639

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	10.00	9.76
100.00	7.60	7.79
0.00	0.00	0.00

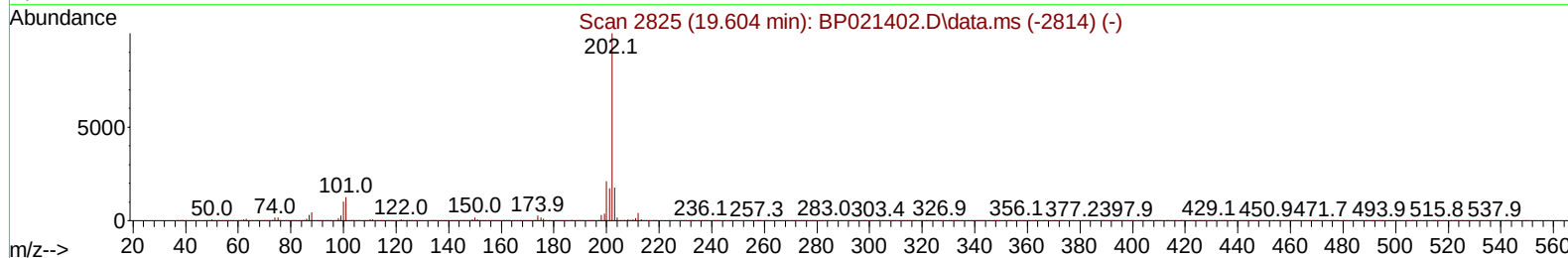
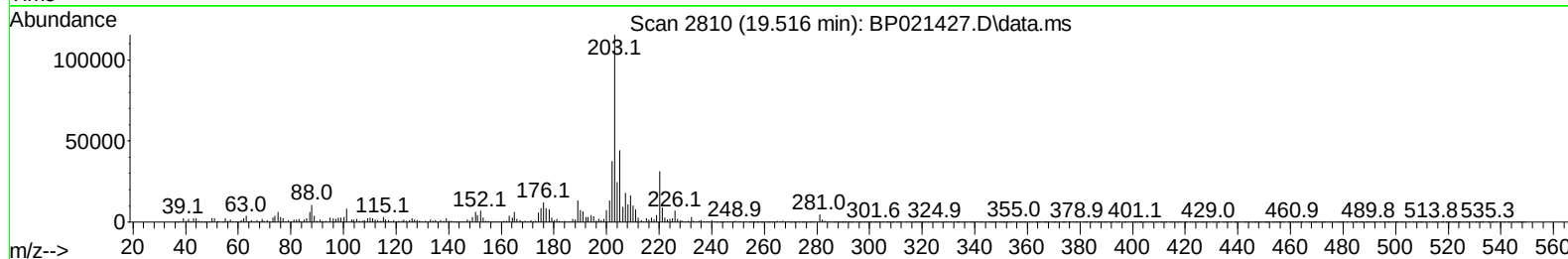
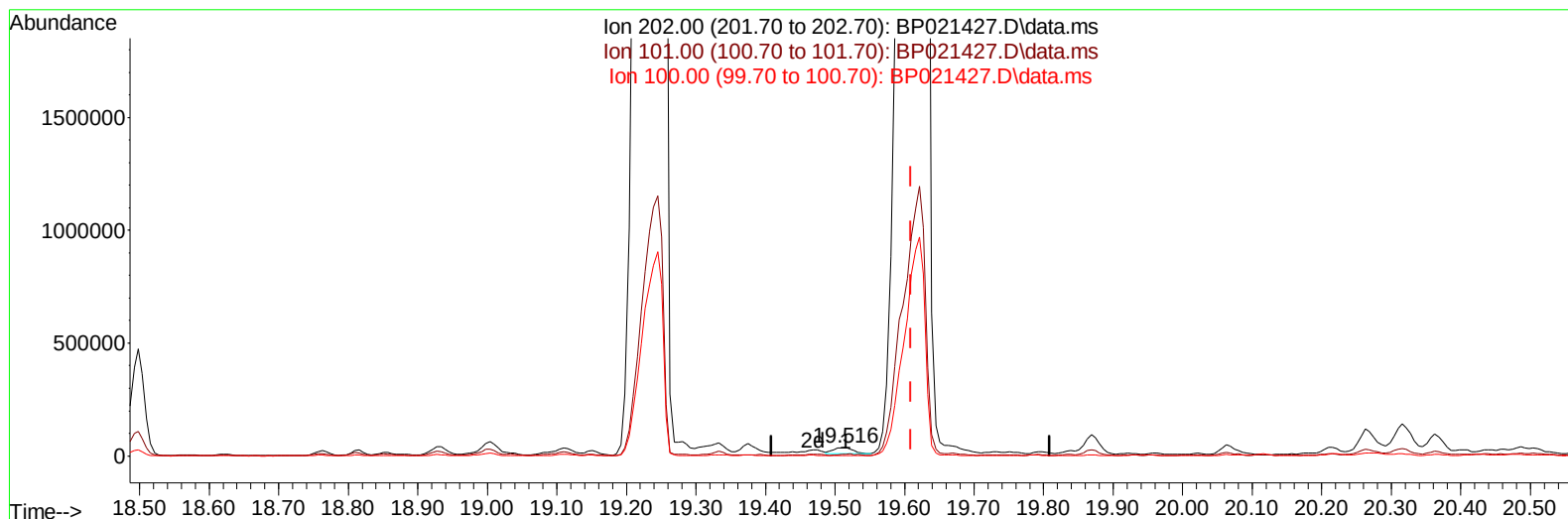
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
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Quant Title : SVOA CALIBRATION
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TIC: BP021427.D\data.ms

(82) Pyrene

19.516min (-0.094) 0.80 ng/u1

response 50948

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.80	21.78#
100.00	9.70	8.11
0.00	0.00	0.00

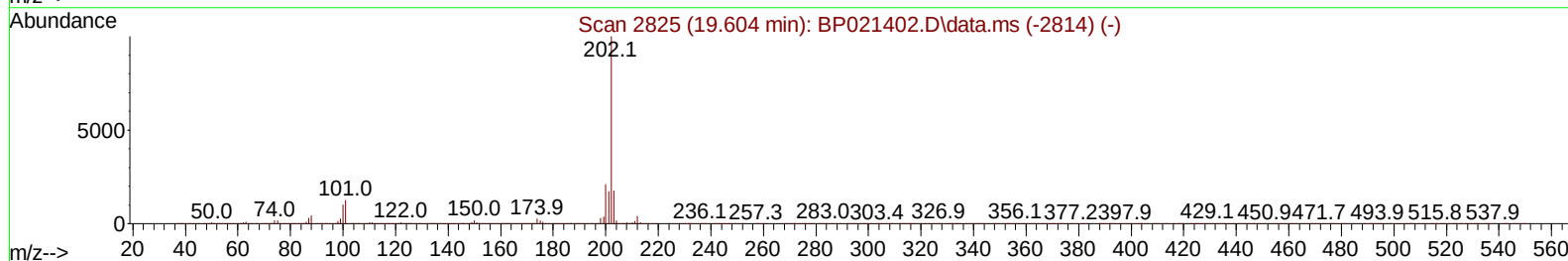
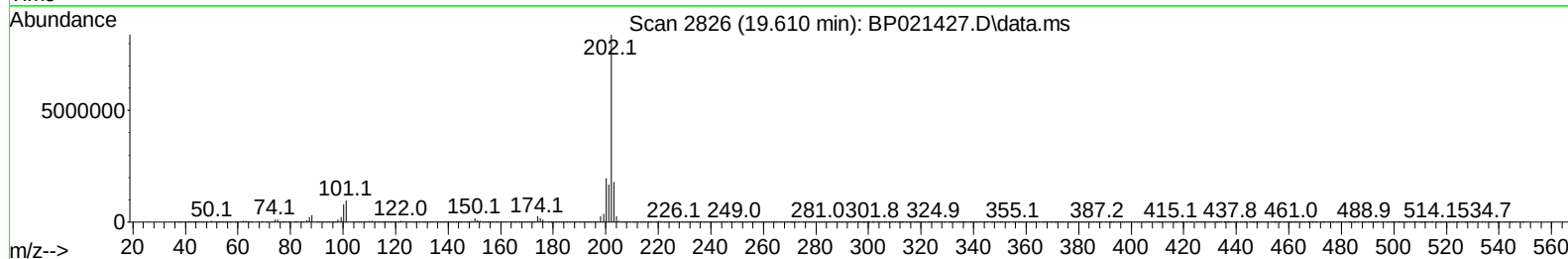
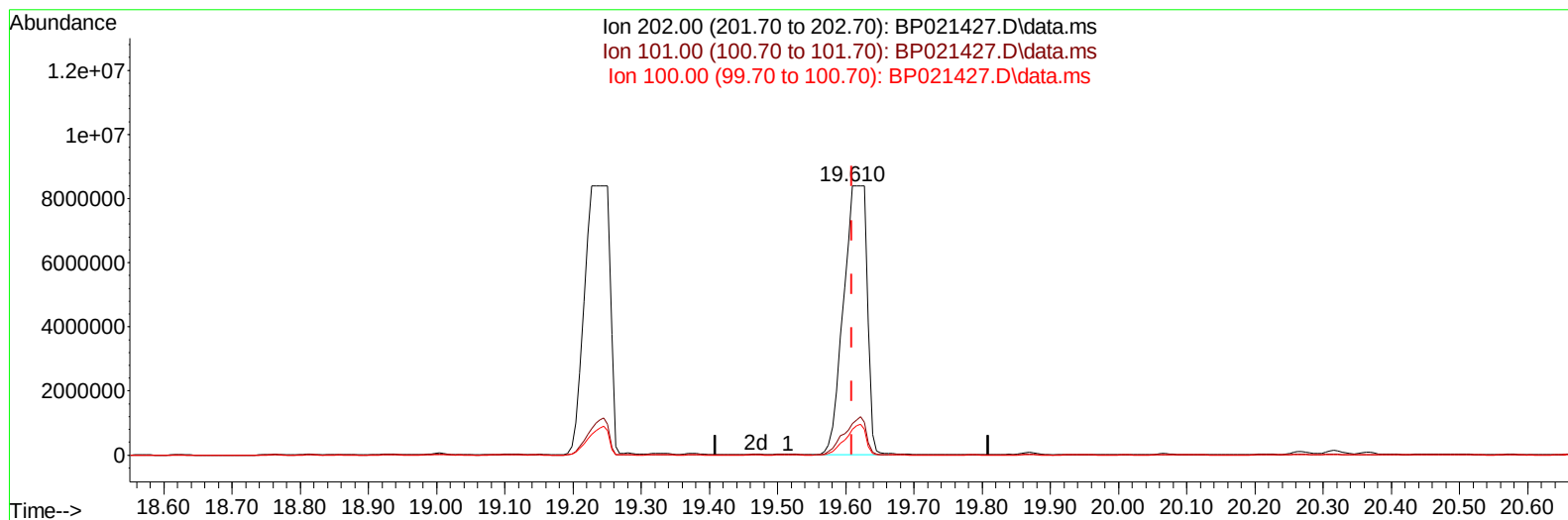
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
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TIC: BP021427.D\data.ms

(82) Pyrene

19.610min (+ 0.000) 319.46 ng/ul m

response 20251359

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.80	11.58
100.00	9.70	9.57
0.00	0.00	0.00

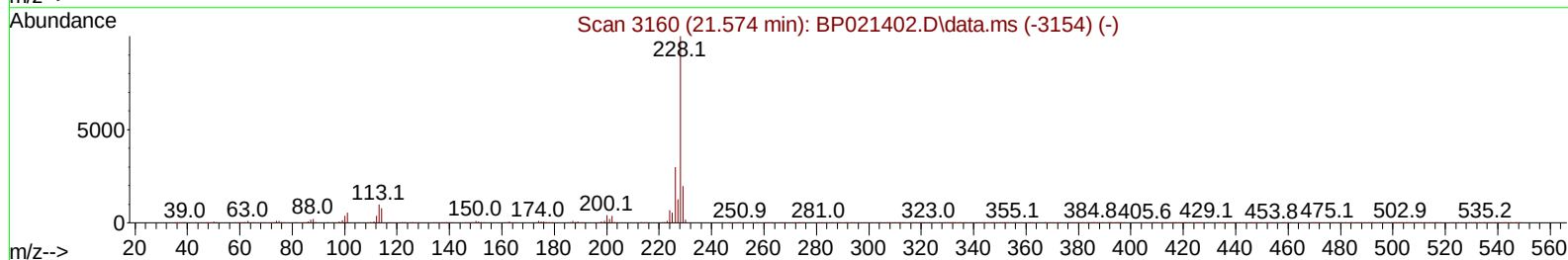
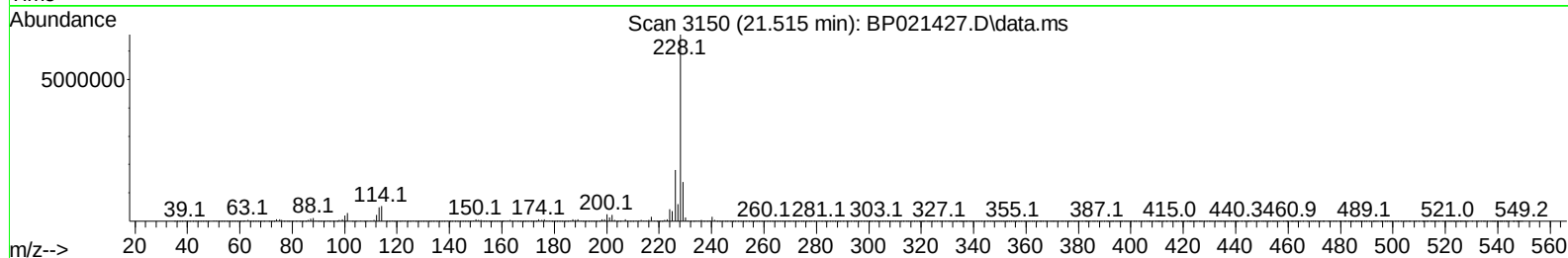
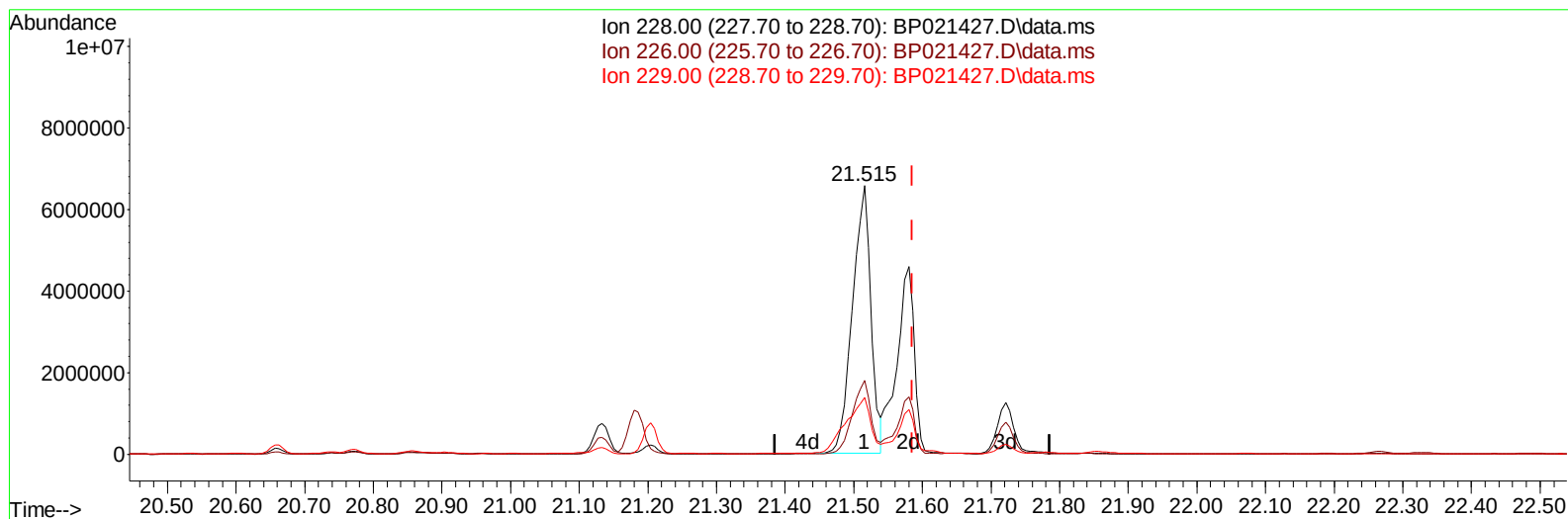
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
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TIC: BP021427.D\data.ms

(87) Chrysene

21.515min (-0.070) 226.00 ng/ul

response 12274472

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	27.55
229.00	19.40	21.06
0.00	0.00	0.00

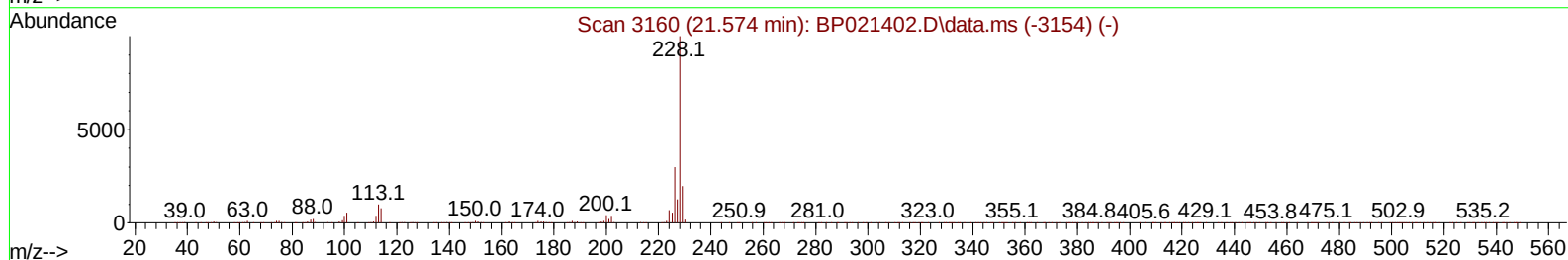
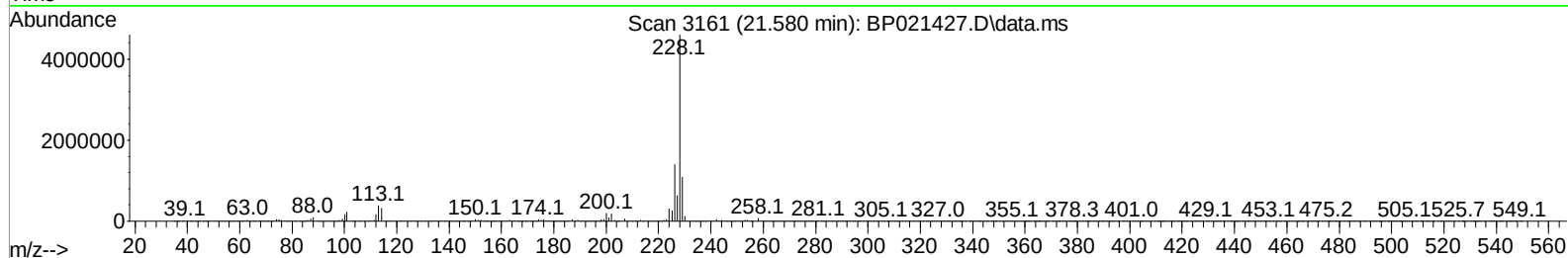
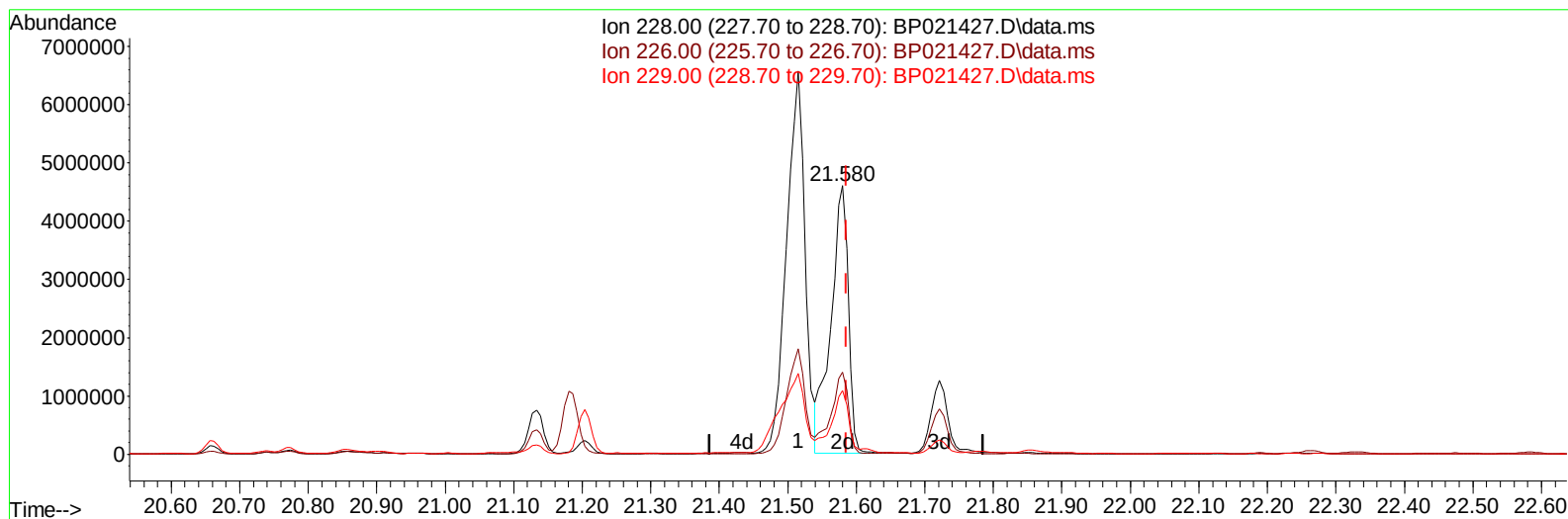
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021427.D
 Acq On : 07 Aug 2024 20:17
 Operator : CG/JU
 Sample : P3437-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
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 QLast Update : Mon Jul 29 12:46:18 2024
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Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(87) Chrysene

21.580min (-0.006) 150.95 ng/ul m

response 8198423

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	30.58
229.00	19.40	23.64#
0.00	0.00	0.00

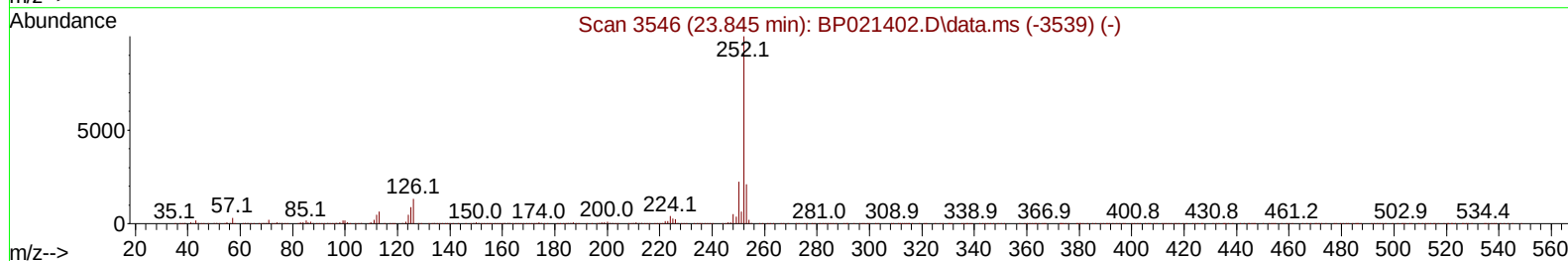
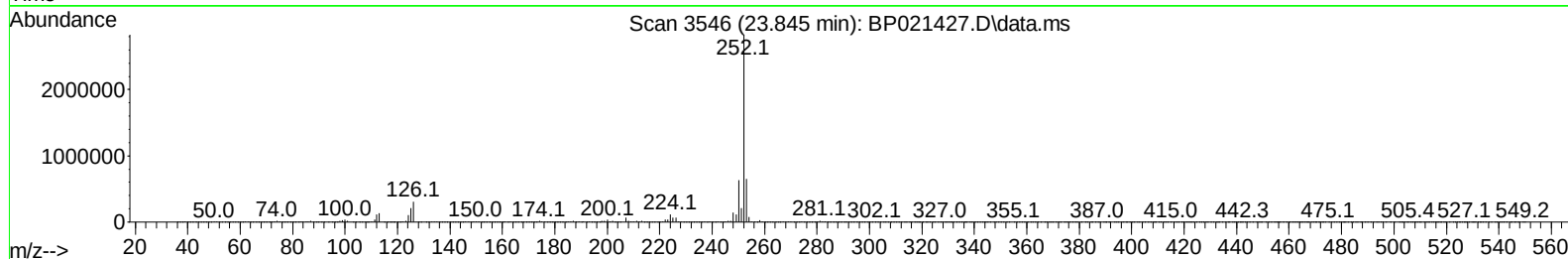
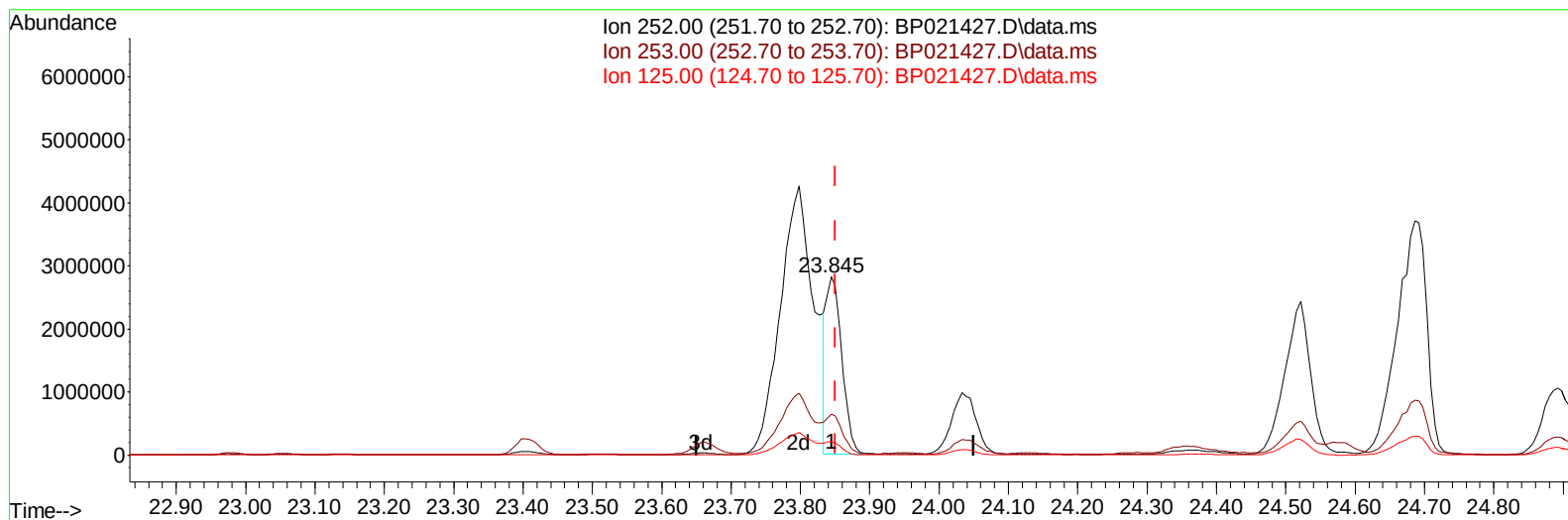
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(91) Benzo(k)fluoranthene

23.845min (-0.006) 66.50 ng/u1

response 4343715

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	22.92
125.00	9.20	7.55
0.00	0.00	0.00

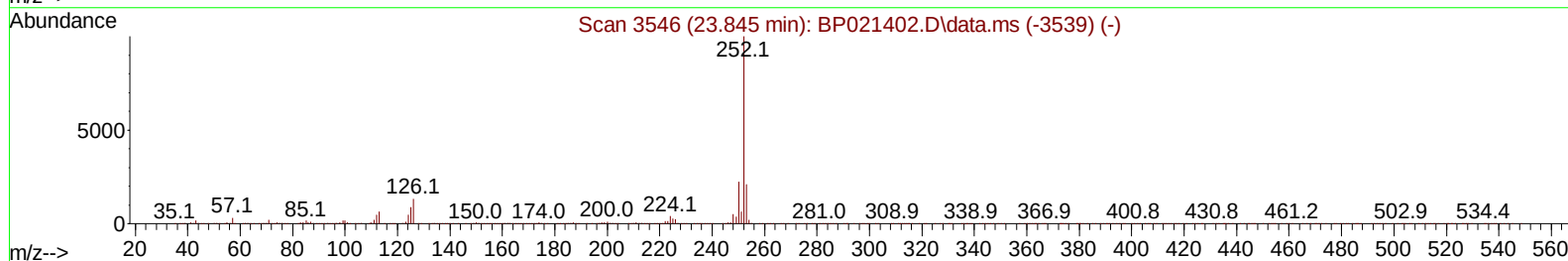
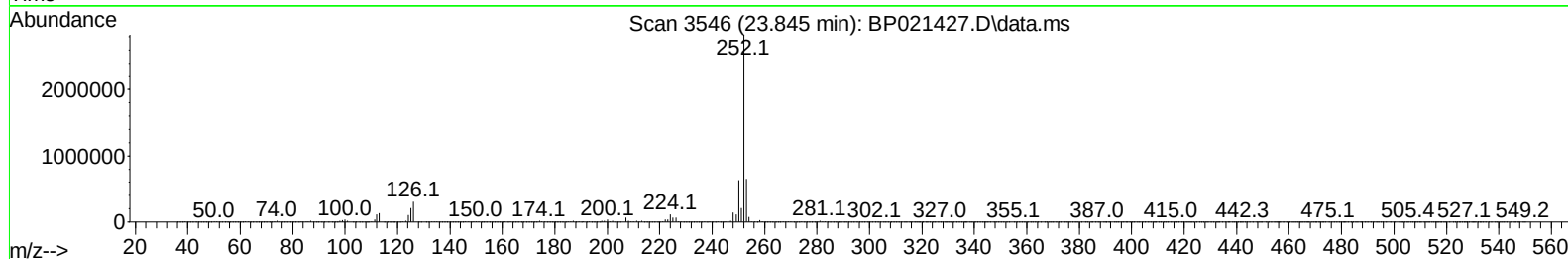
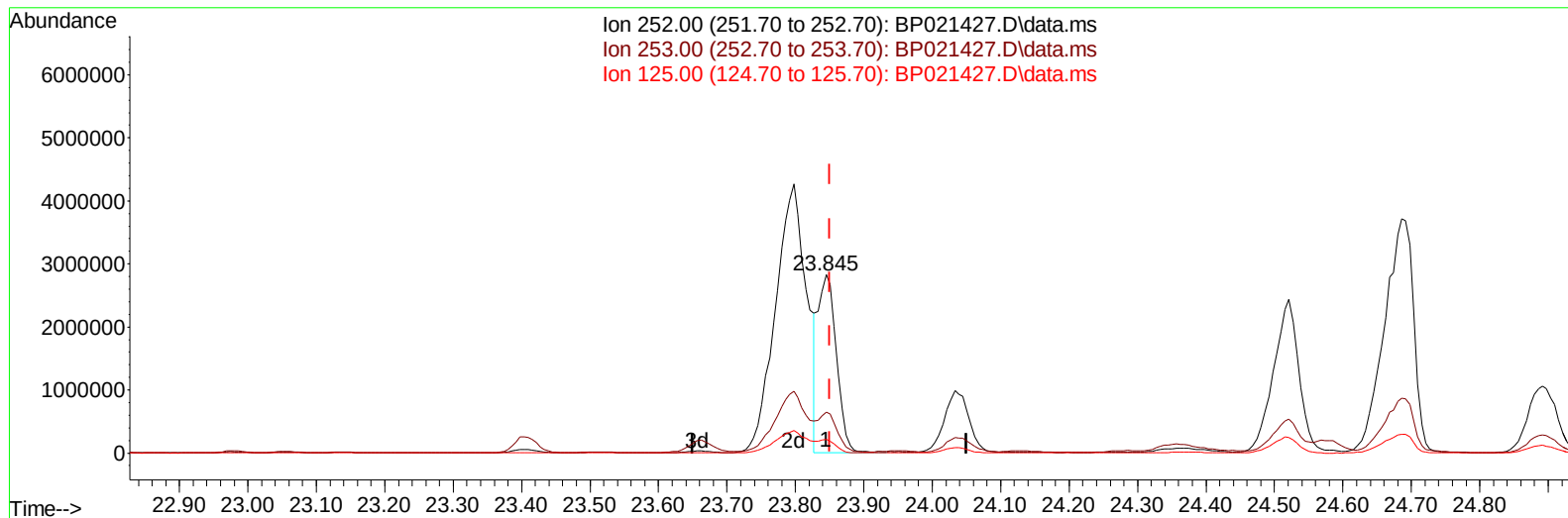
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(91) Benzo(k)fluoranthene

23.845min (-0.006) 80.22 ng/ul m

response 5240399

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	22.92
125.00	9.20	7.55
0.00	0.00	0.00

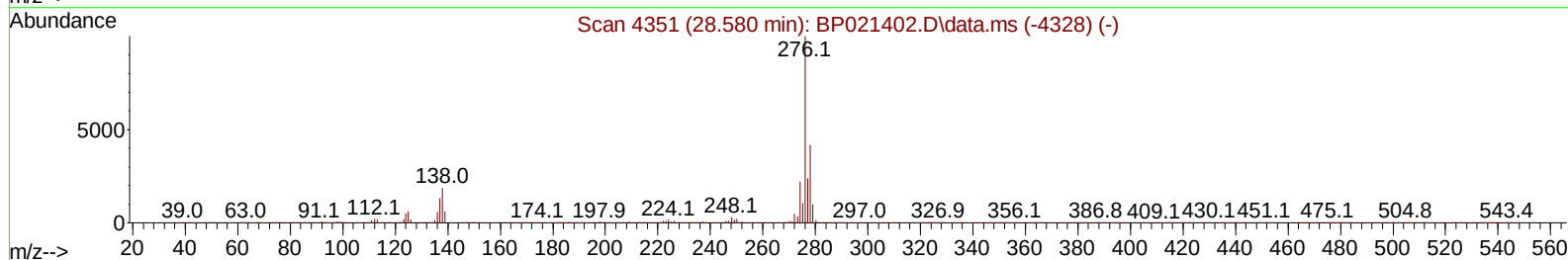
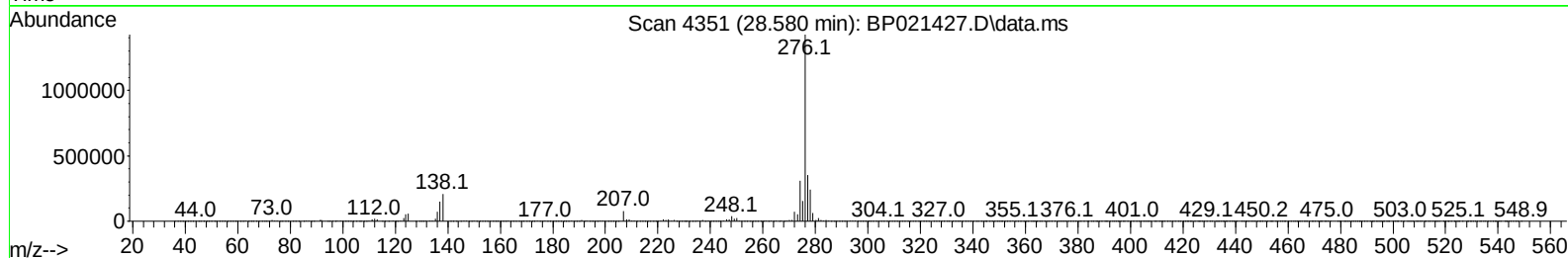
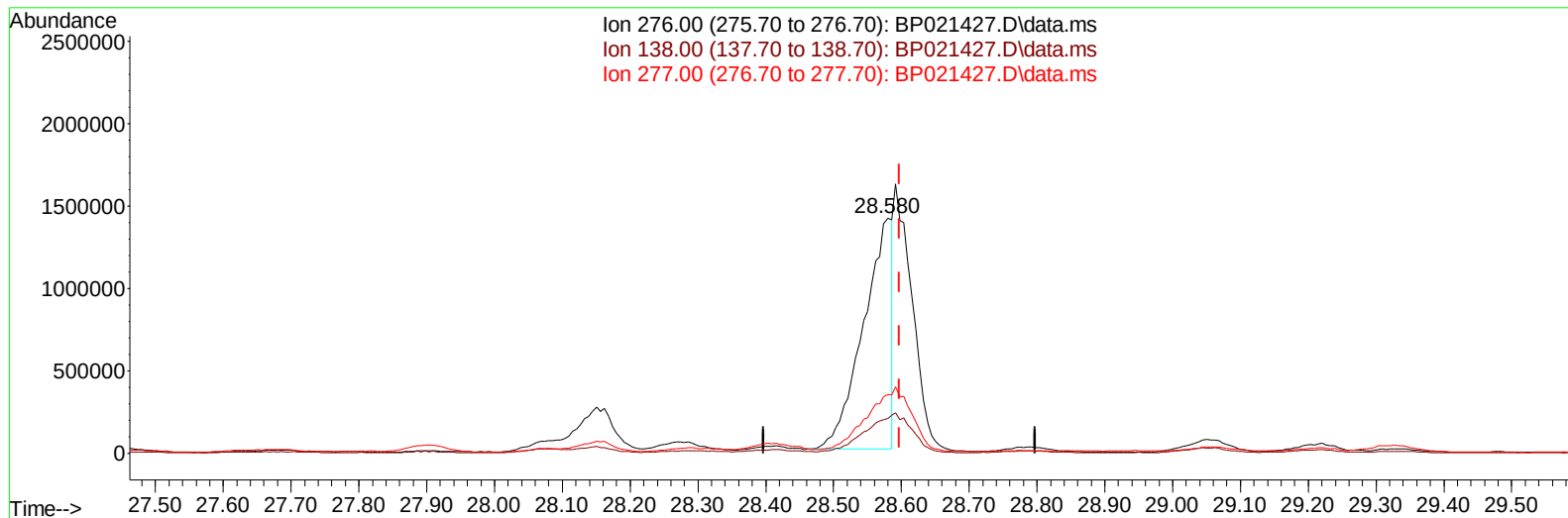
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

Quant Time: Aug 07 23:15:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
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TIC: BP021427.D\data.ms

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

28.580min (-0.017) 52.35 ng/u1

response 4172224

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	14.63
277.00	24.00	24.87
0.00	0.00	0.00

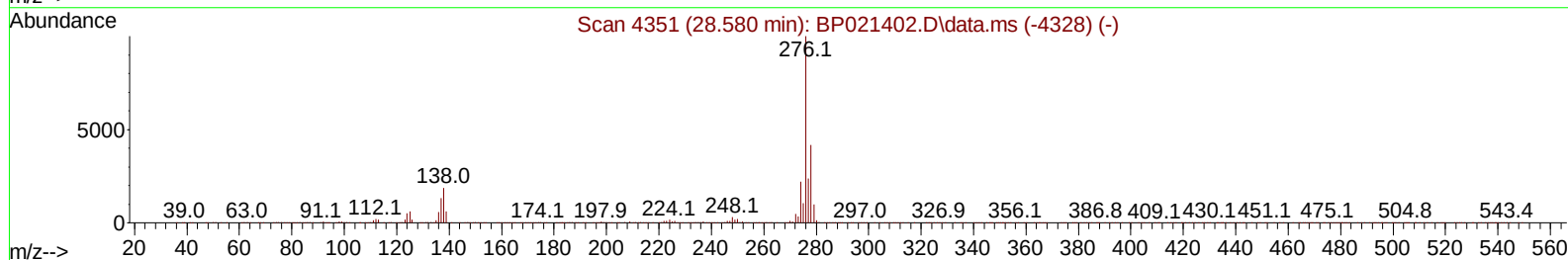
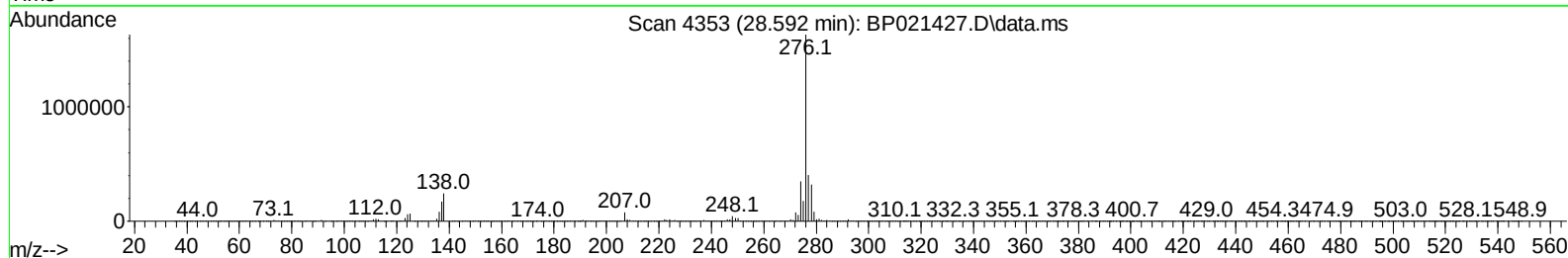
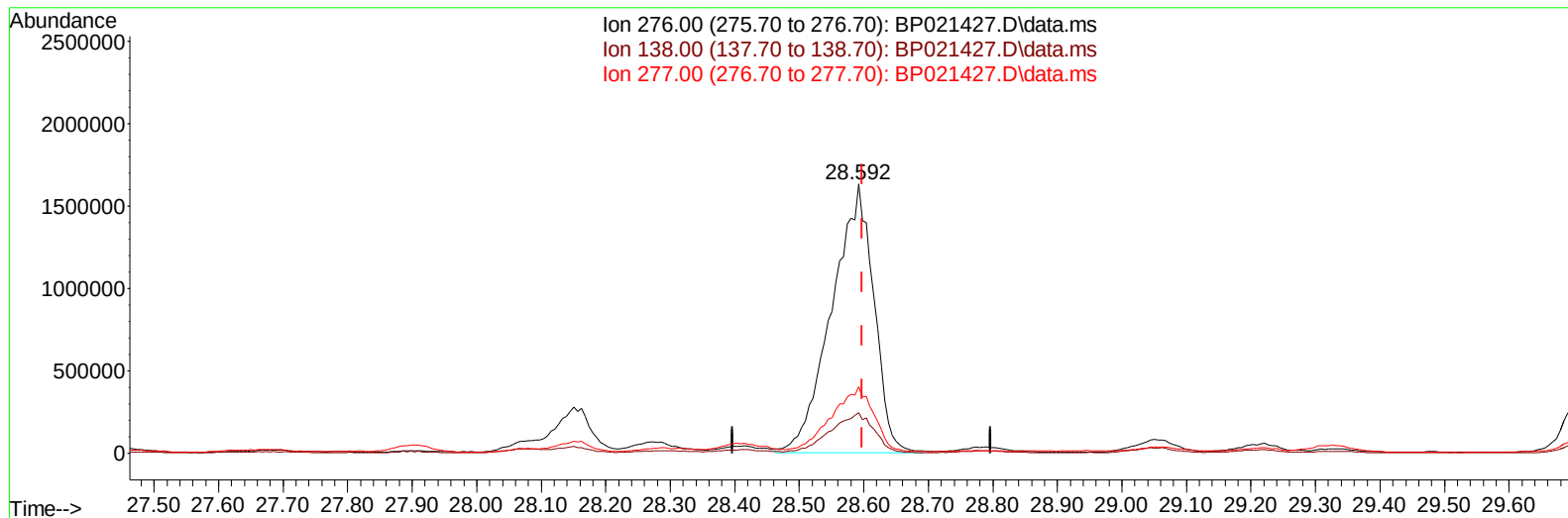
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

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TIC: BP021427.D\data.ms

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

28.592min (-0.006) 92.44 ng/ul m

response 7367460

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	14.88
277.00	24.00	24.75
0.00	0.00	0.00

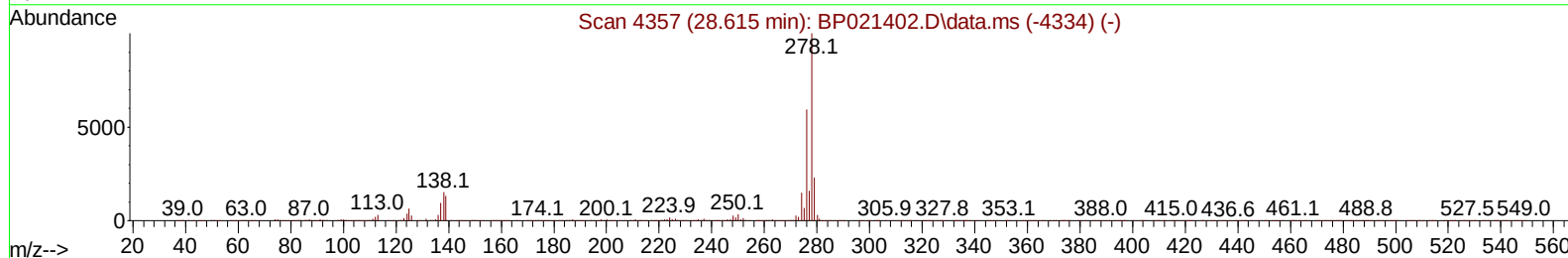
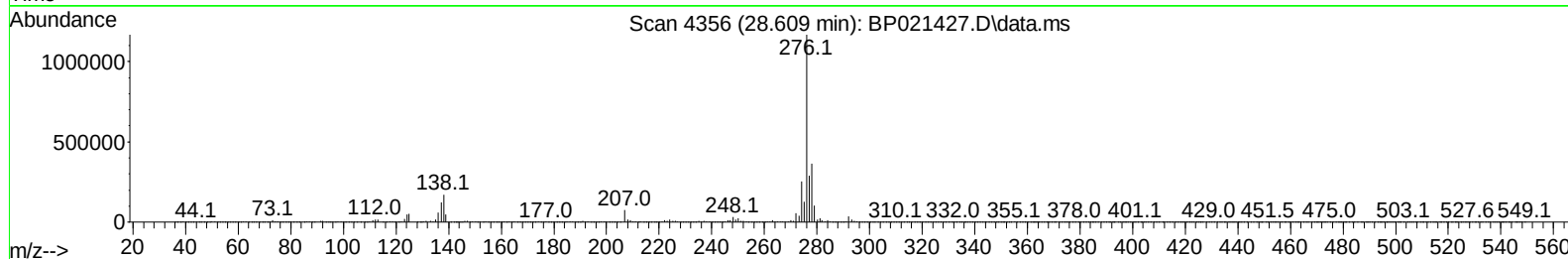
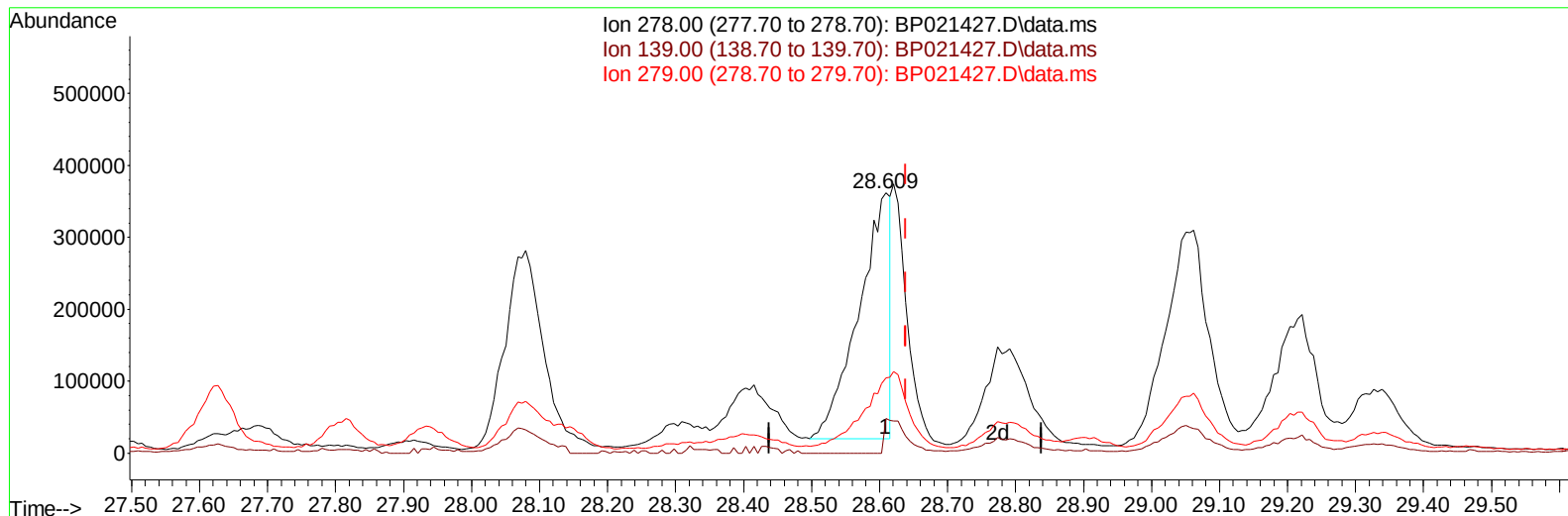
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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TIC: BP021427.D\data.ms

(95) Dibenzo(a,h)anthracene

28.609min (-0.029) 16.74 ng/u1

response 1104621

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	13.39
279.00	24.20	28.84
0.00	0.00	0.00

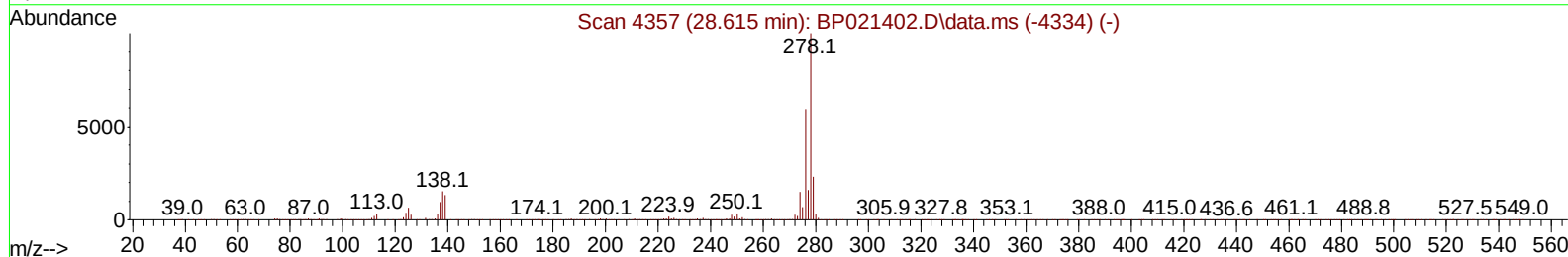
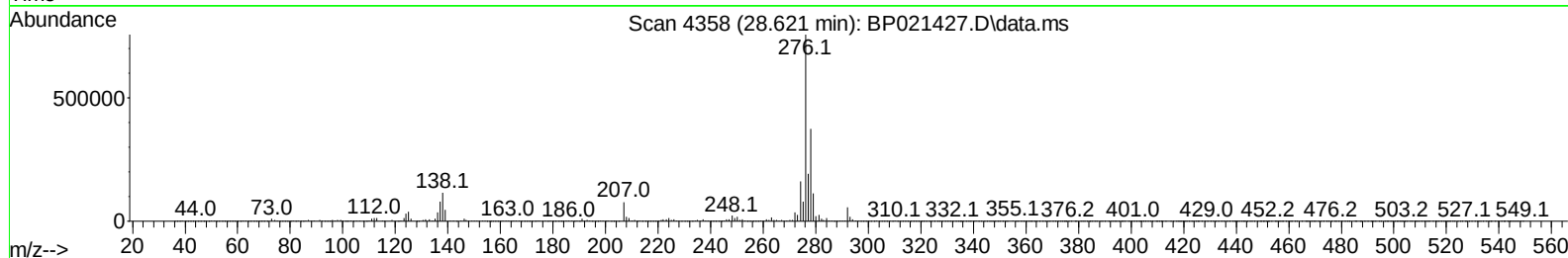
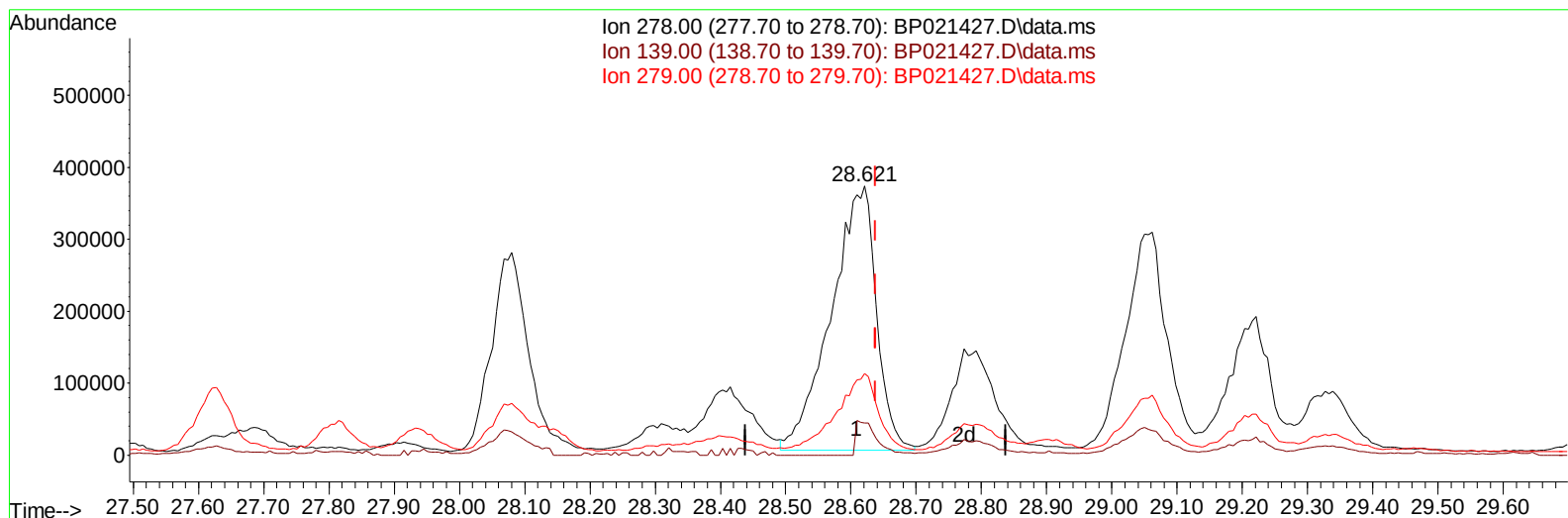
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021427.D
 Acq On : 07 Aug 2024 20:17
 Operator : CG/JU
 Sample : P3437-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5

Manual IntegrationsAPPROVED

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 QLast Update : Mon Jul 29 12:46:18 2024
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 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

(95) Dibenzo(a,h)anthracene

28.621min (-0.017) 26.93 ng/ul m

response 1777408

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	12.03
279.00	24.20	30.34#
0.00	0.00	0.00

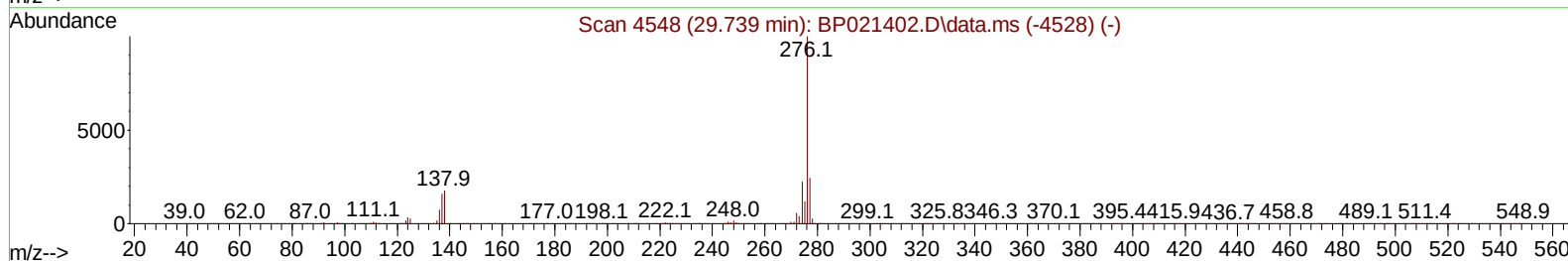
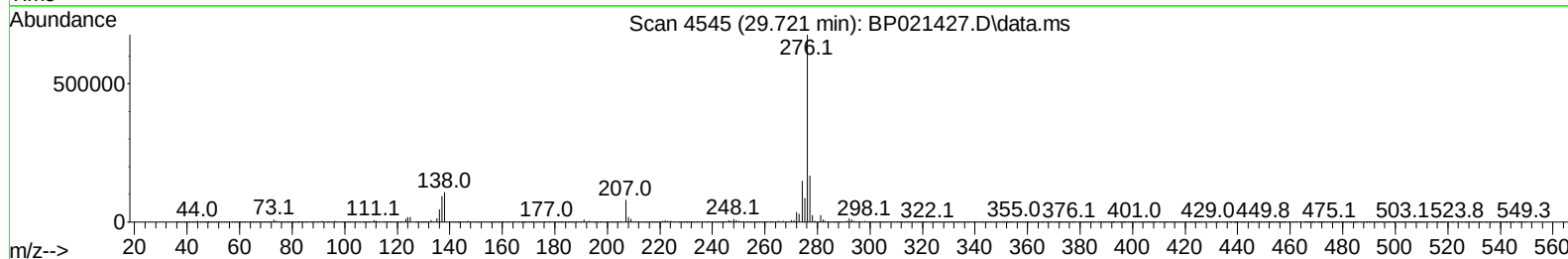
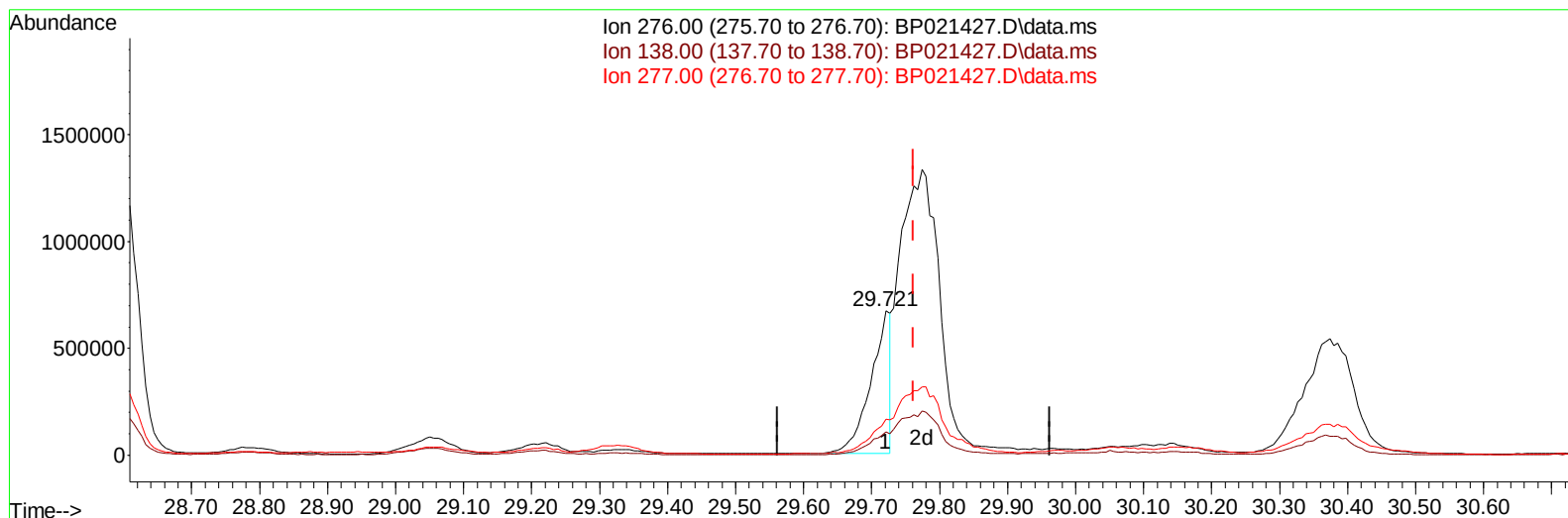
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021427.D\data.ms

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

29.721min (-0.041) 21.13 ng/u1

response 1371875

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	16.00
277.00	22.70	24.80
0.00	0.00	0.00

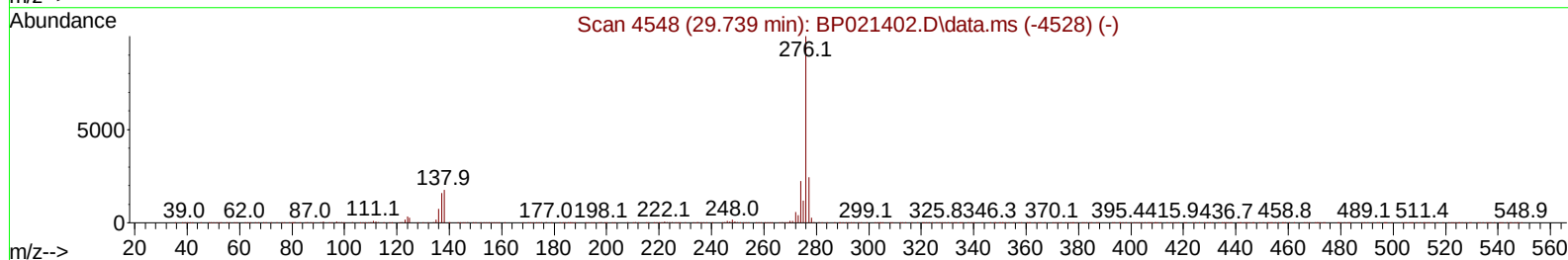
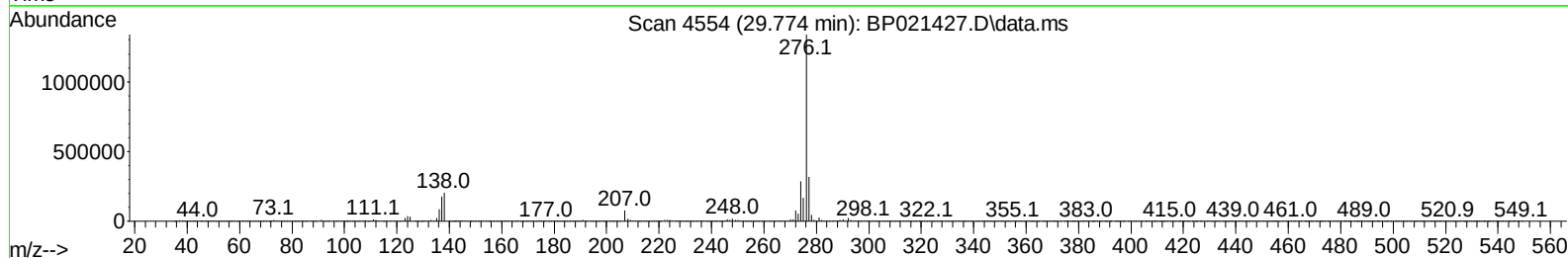
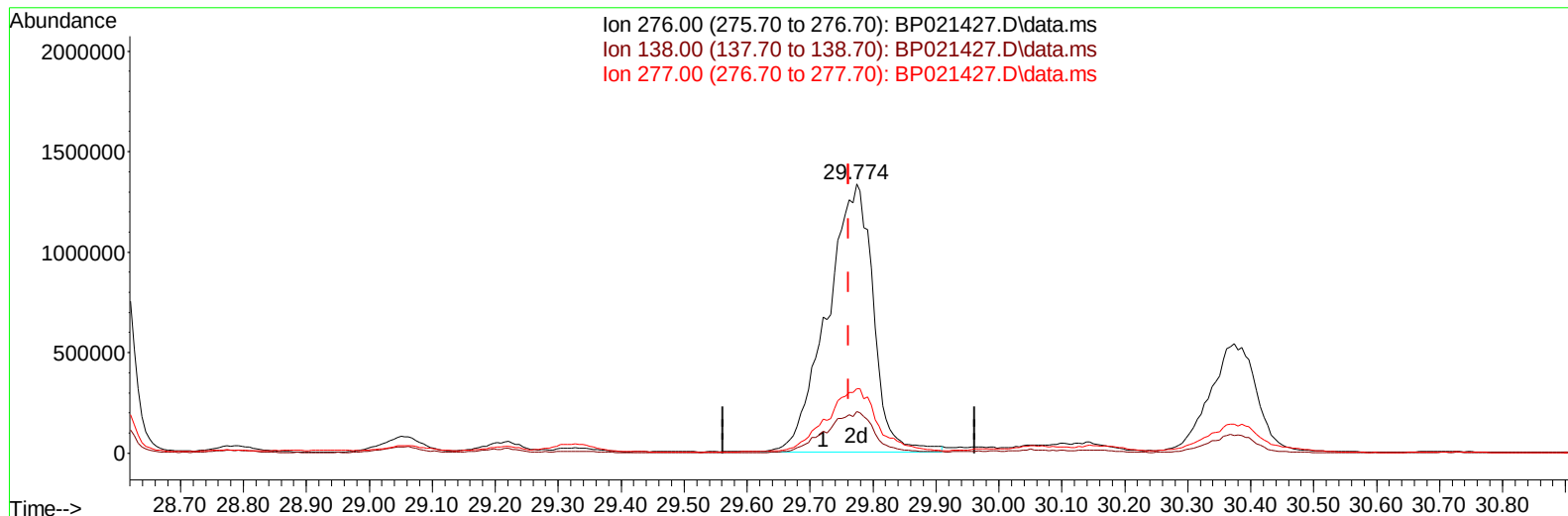
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021427.D
Acq On : 07 Aug 2024 20:17
Operator : CG/JU
Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E05Y5

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TIC: BP021427.D\data.ms

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

29.774min (+ 0.012) 104.52 ng/ul m

response 6784733

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	15.43
277.00	22.70	23.88
0.00	0.00	0.00

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 Operator : CG/JU
 Sample : P3437-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	150692	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.375	136	633487	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.251	164	429872	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.080	188	943290	20.000	ng/ul	-0.01
79) Chrysene-d12	21.533	240	834378	20.000	ng/ul	# 0.00
88) Perylene-d12	24.815	264	1078586	20.000	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	14366	4.338	ng/uL	-0.02
4) Pyridine-d5	3.593	84	64206	6.697	ng/ul	0.00
7) Phenol-d5	6.875	99	69267	5.638	ng/ul	0.03
9) Bis-(2-Chloroethyl)eth...	6.975	67	120392	16.170	ng/ul	0.00
11) 2-Chlorophenol-d4	7.181	132	170717	16.866	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113	142858	14.001	ng/ul	0.00
21) Nitrobenzene-d5	8.787	128	70994	14.429	ng/ul	0.00
24) 2-Nitrophenol-d4	9.504	143	78488	13.937	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.075	165	137585	13.511	ng/ul	0.02
31) 4-Chloroaniline-d4	10.563	131	271708	20.141	ng/ul	0.00
46) Dimethylphthalate-d6	13.675	166	542343	17.355	ng/ul	0.00
49) Acenaphthylene-d8	13.945	160	583938	16.642	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.663	143	34574m	7.776	ng/ul	0.08
60) Fluorene-d10	15.275	176	473270	18.461	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.498	200	45106m	7.903	ng/ul	0.04
73) Anthracene-d10	17.186	188	721287	17.216	ng/ul	0.00
81) Pyrene-d10	19.574	212	848412	16.447	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.598	264	1013234	19.047	ng/ul	0.00
Target Compounds						
						Qvalue
30) Naphthalene	10.428	128	7167506	215.099	ng/ul	100
36) 2-Methylnaphthalene	12.045	142	3402545	148.756	ng/ul	99
37) 1-Methylnaphthalene	12.263	142	1652813	70.258	ng/ul	100
43) 1,1'-Biphenyl	13.075	154	1098421	34.964	ng/ul	98
50) Acenaphthylene	13.981	152	283697	7.141	ng/ul#	94
52) Acenaphthene	14.328	153	5778711	219.151	ng/ul	99
56) Dibenzofuran	14.669	168	6209495	171.965	ng/ul	100
61) Fluorene	15.333	166	6831000	231.826	ng/ul	99
72) Phenanthrene	17.127	178	26000432m	531.335	ng/ul	
74) Anthracene	17.222	178	6239577	125.075	ng/ul	99
77) Carbazole	17.510	167	1905085	46.715	ng/ul	99
80) Fluoranthene	19.227	202	21812639m	350.144	ng/ul	
82) Pyrene	19.610	202	20251359m	319.462	ng/ul	
85) Benzo(a)anthracene	21.515	228	12316971	210.732	ng/ul	98
87) Chrysene	21.580	228	8198423m	150.952	ng/ul	
90) Benzo(b)fluoranthene	23.798	252	13442726	205.377	ng/ul	97
91) Benzo(k)fluoranthene	23.845	252	5240399m	80.225	ng/ul	
93) Benzo(a)pyrene	24.686	252	11021362	178.187	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.592	276	7367460m	92.436	ng/ul	
95) Dibenzo(a,h)anthracene	28.621	278	1777408m	26.930	ng/ul	
96) Benzo(g,h,i)perylene	29.774	276	6784733m	104.523	ng/ul	

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Sample : P3437-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E05Y5

Manual IntegrationsAPPROVED

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

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

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