

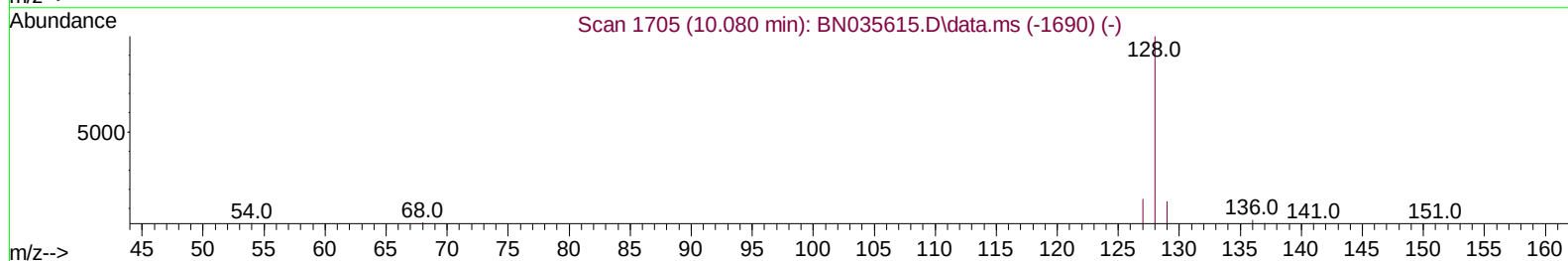
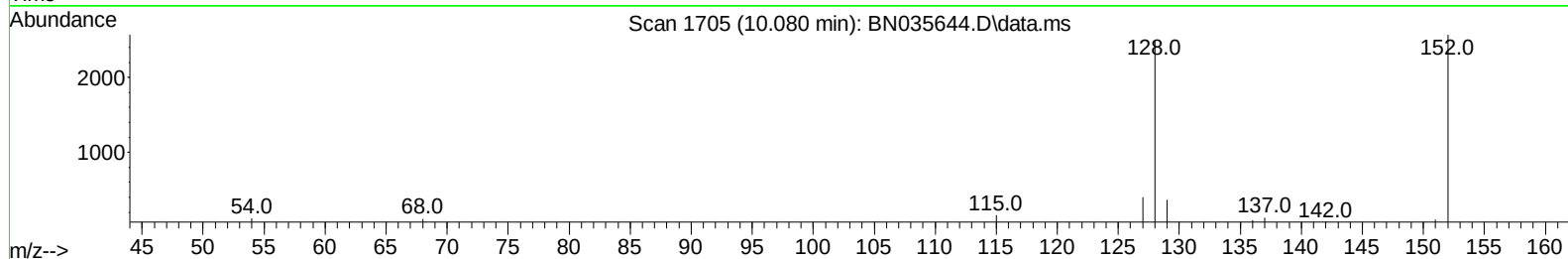
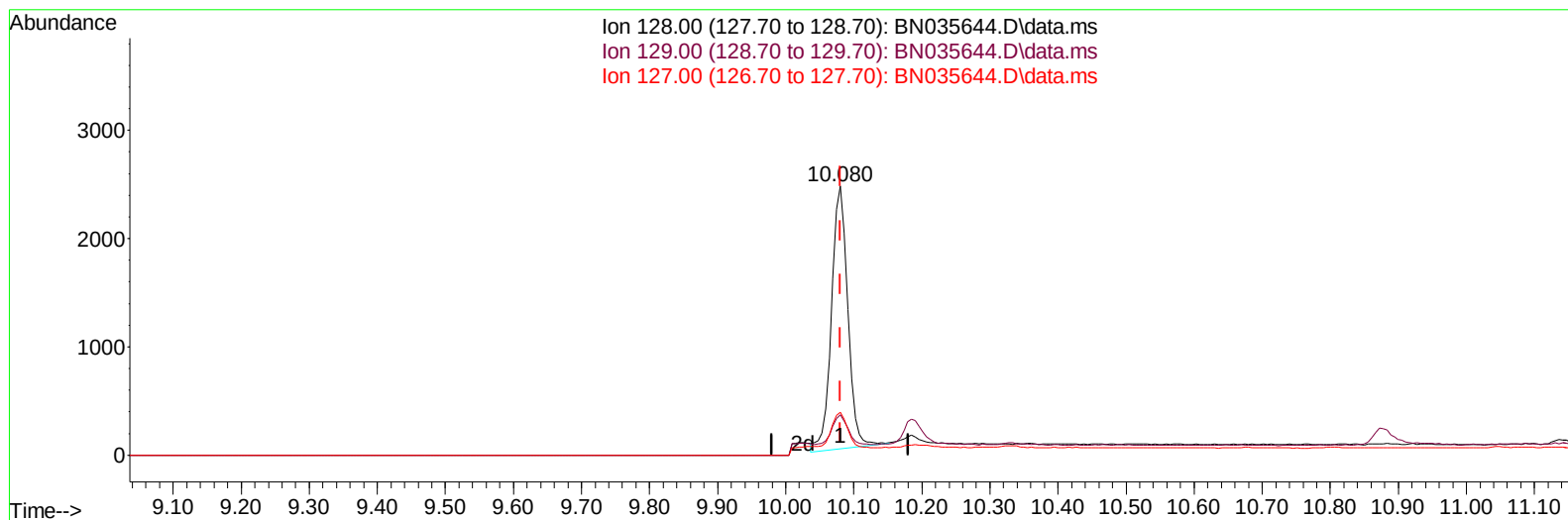
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 08:33:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035644.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.18 ng/u1

response 4046

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.90
127.00	15.00	16.06
0.00	0.00	0.00

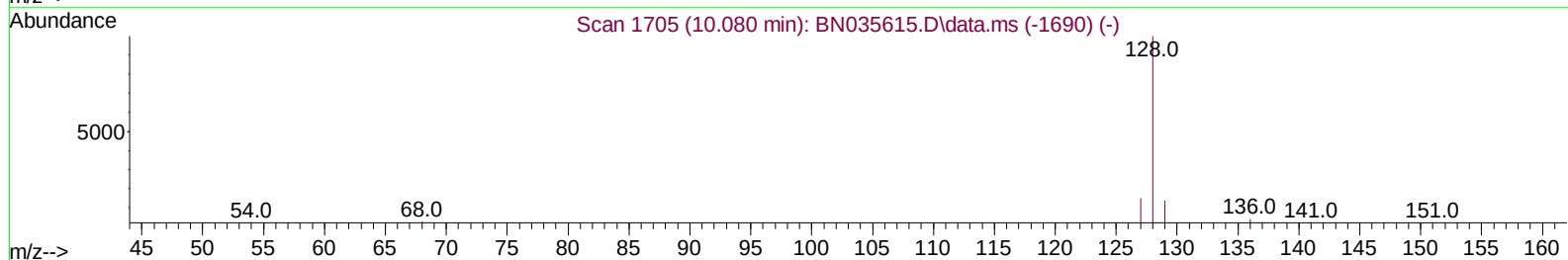
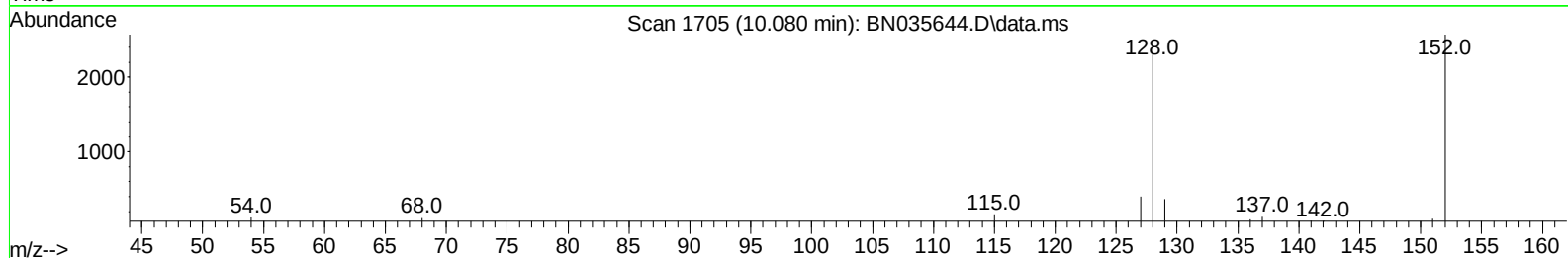
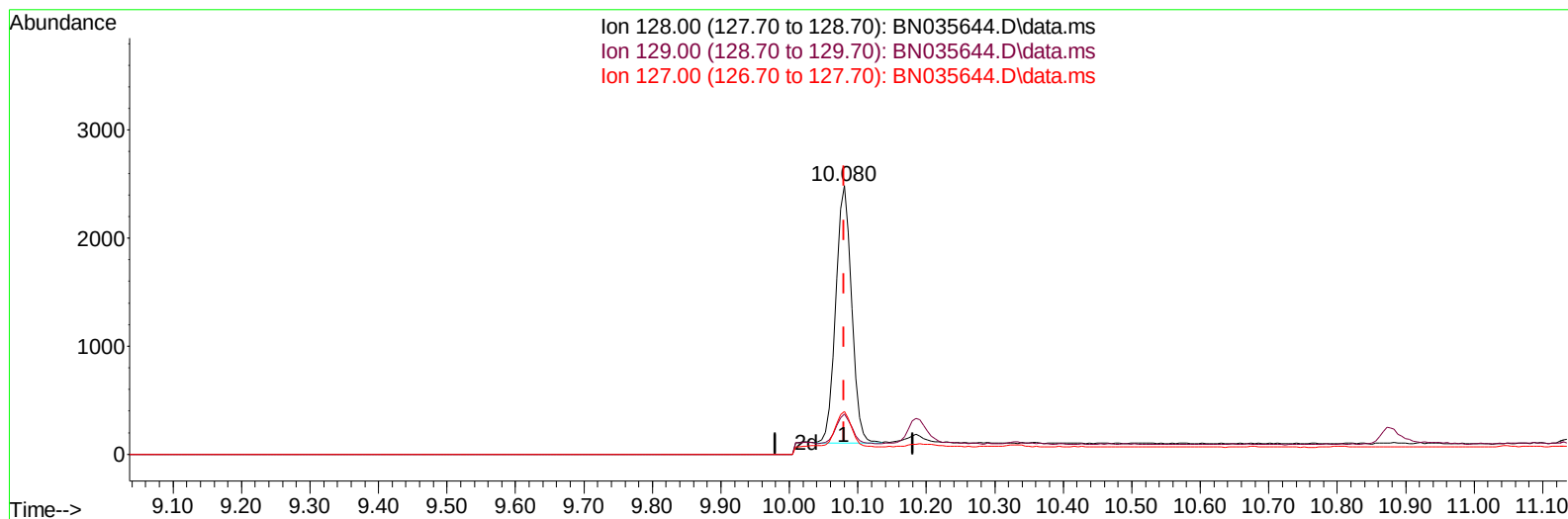
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.17 ng/ul m

response 3801

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.90
127.00	15.00	16.06
0.00	0.00	0.00

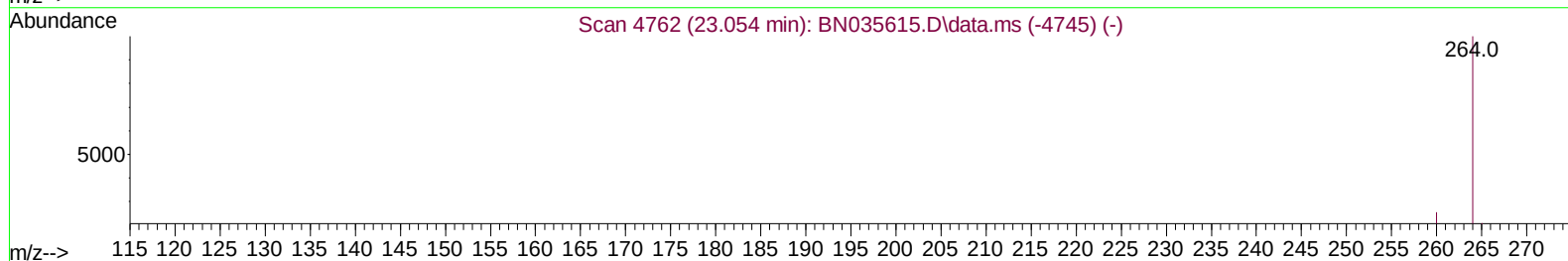
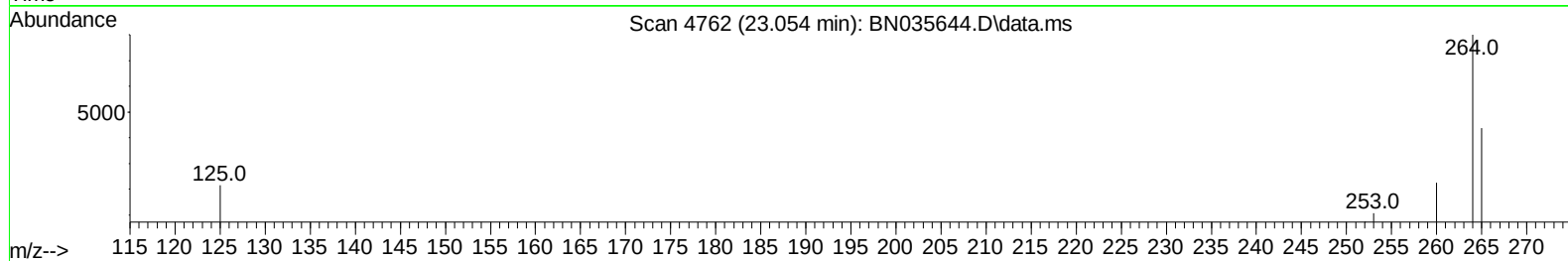
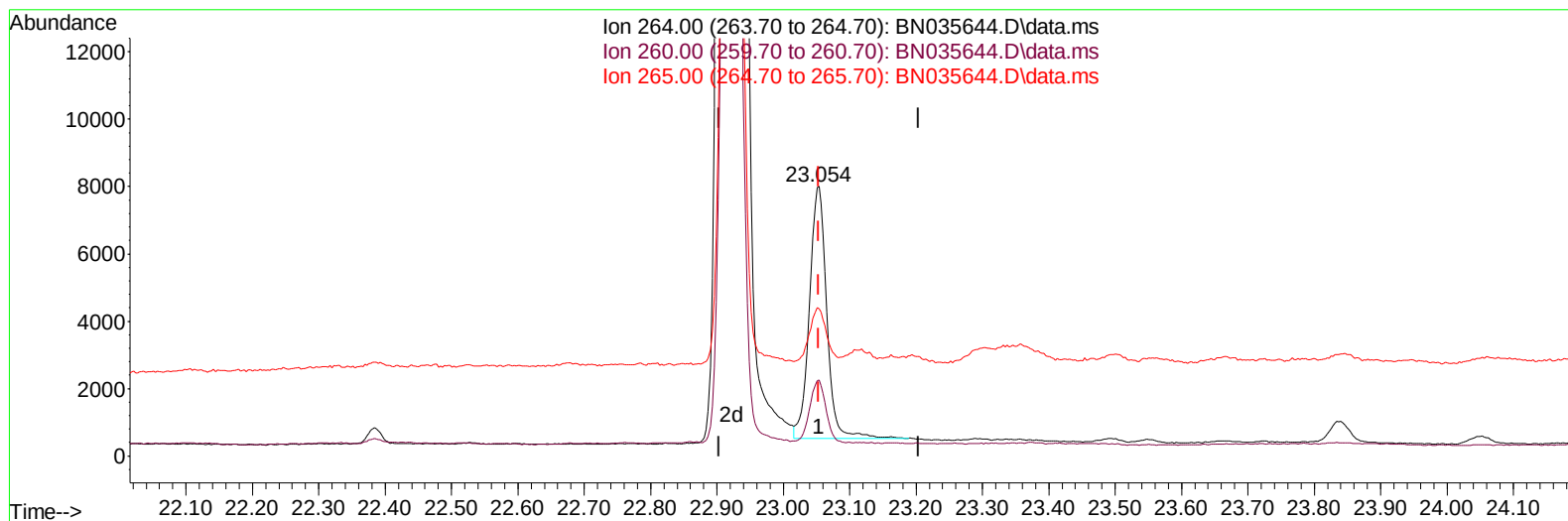
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Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
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ALS Vial : 34 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

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TIC: BN035644.D\data.ms

(23) Perylene-d12 (I)

23.054min (+ 0.000) 0.40 ng/u1

response 13483

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.21
265.00	62.10	54.66
0.00	0.00	0.00

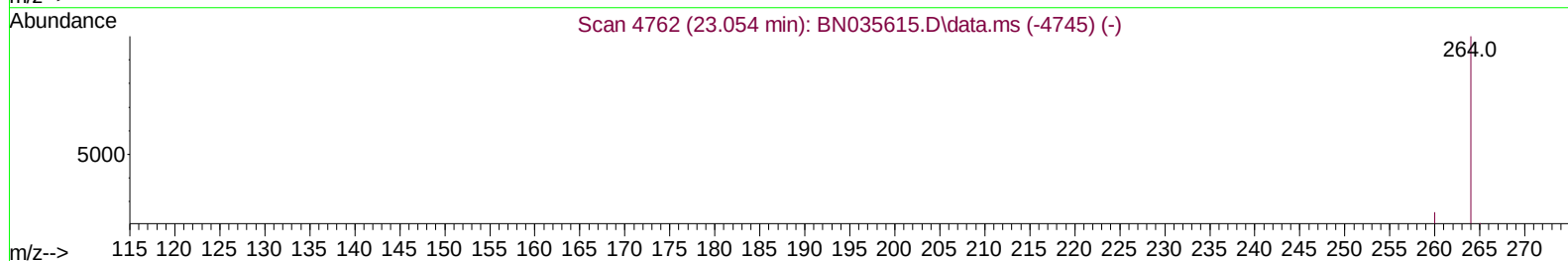
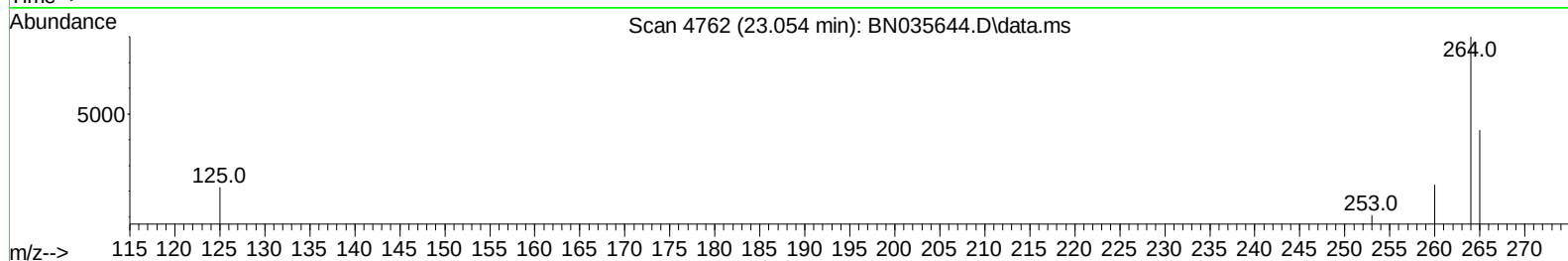
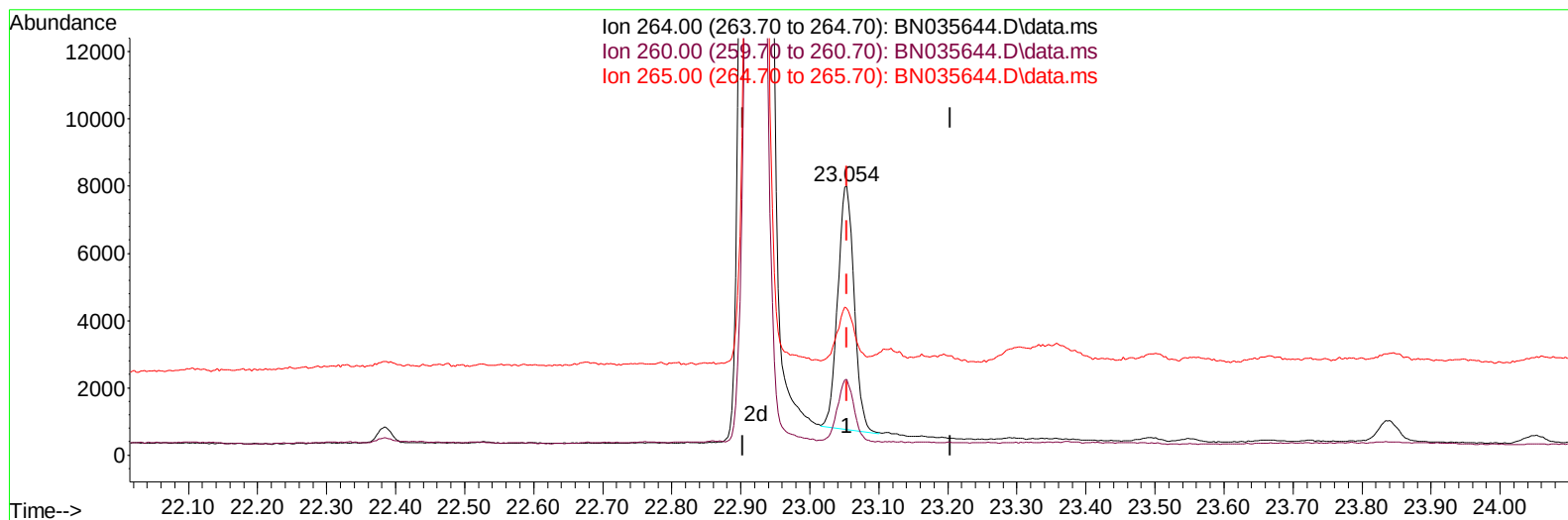
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 08:33:24 2024
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QLast Update : Mon Dec 16 16:26:08 2024
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TIC: BN035644.D\data.ms

(23) Perylene-d12 (I)

23.054min (+ 0.000) 0.40 ng/ul m

response 11953

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.21
265.00	62.10	54.66
0.00	0.00	0.00

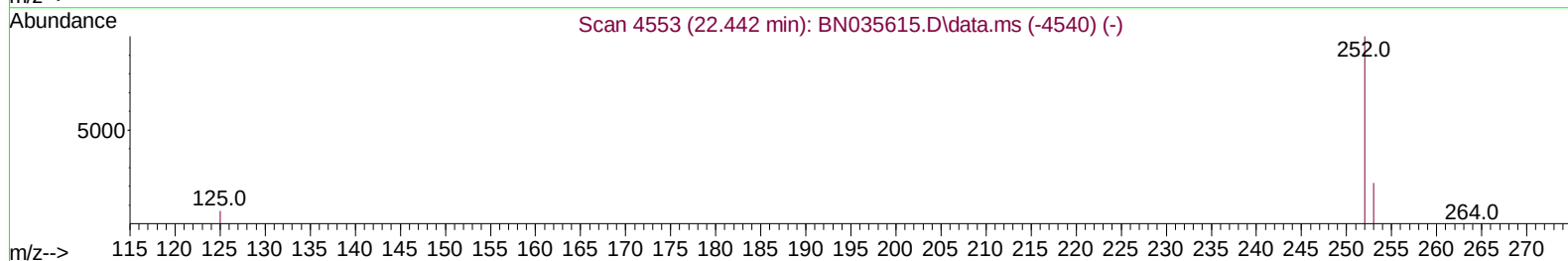
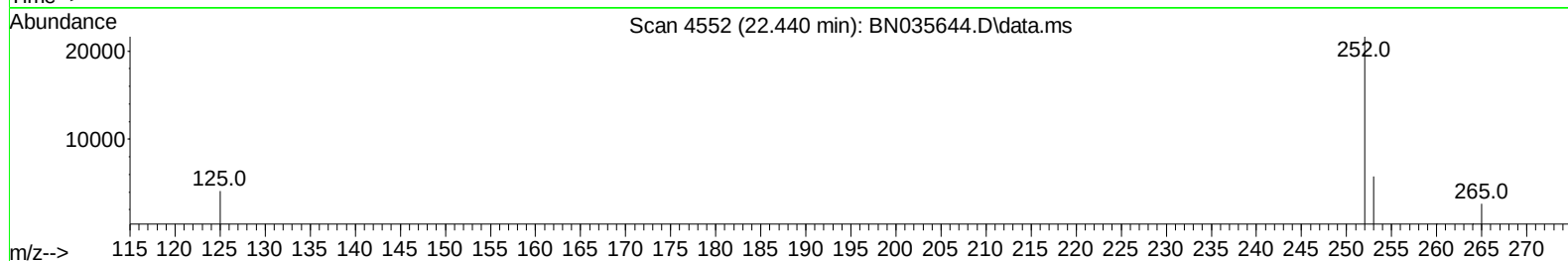
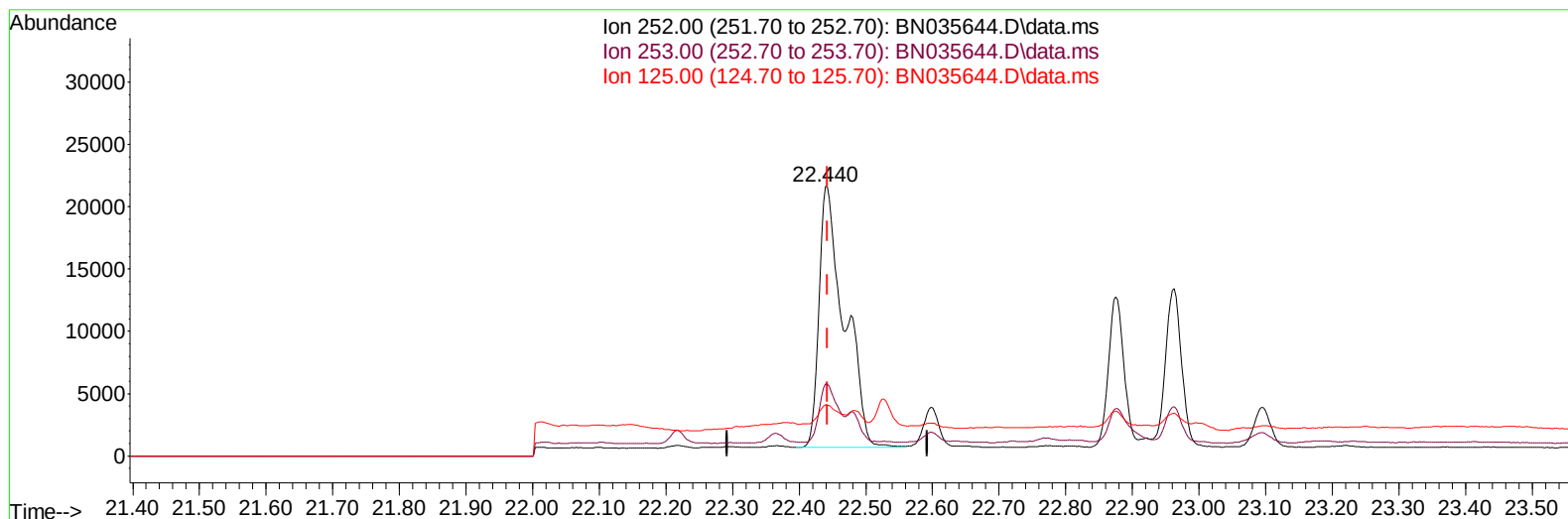
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 08:33:24 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.58 ng/u1

response 55725

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.82
125.00	18.80	19.05
0.00	0.00	0.00

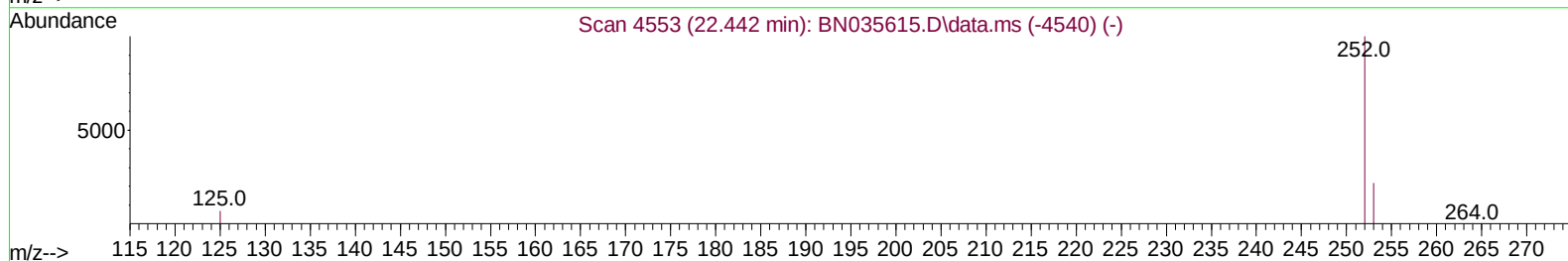
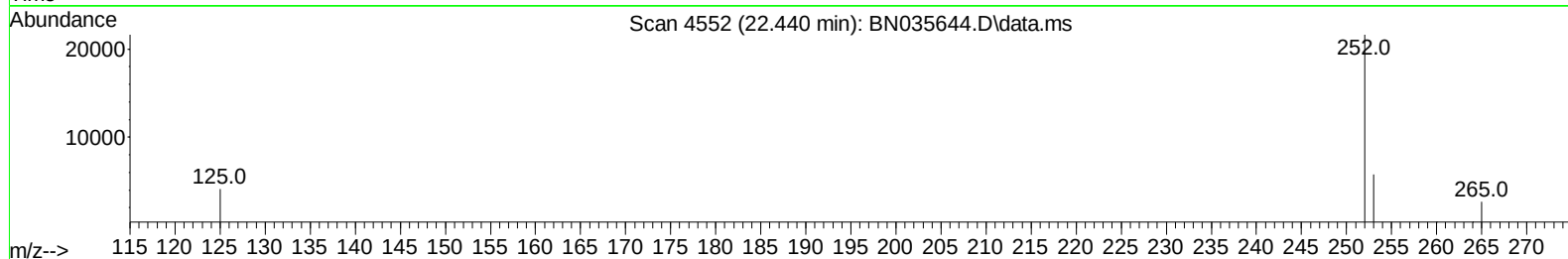
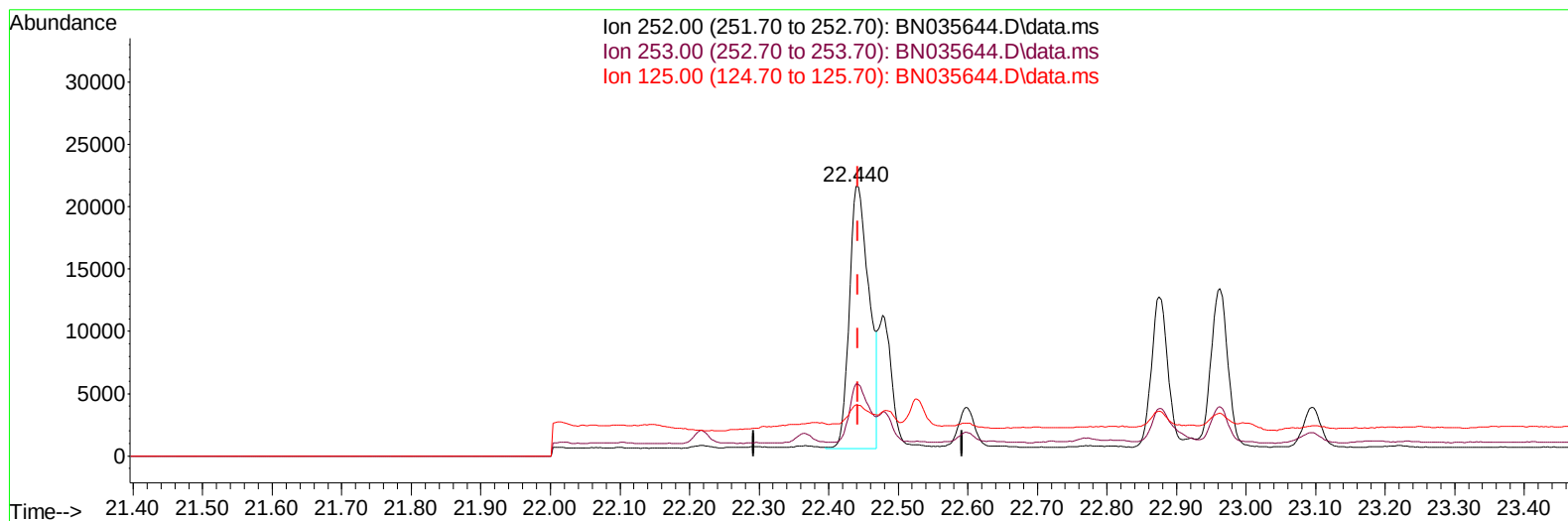
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 08:33:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.19 ng/u l m

response 41922

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.82
125.00	18.80	19.05
0.00	0.00	0.00

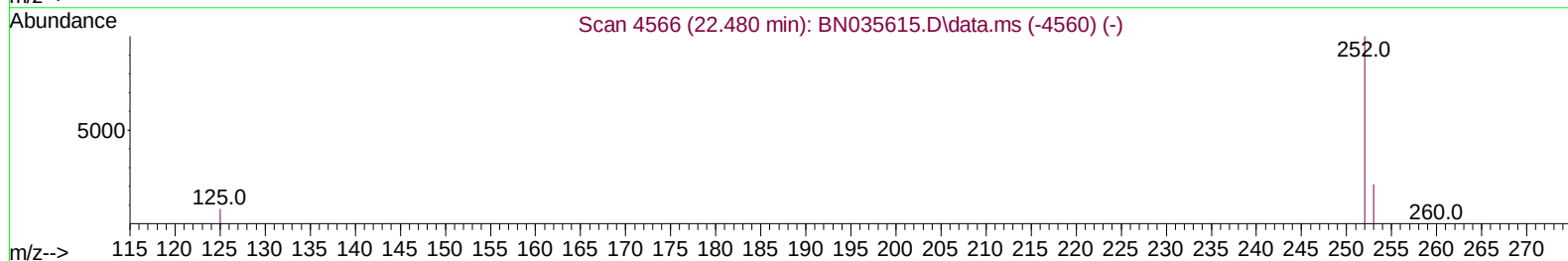
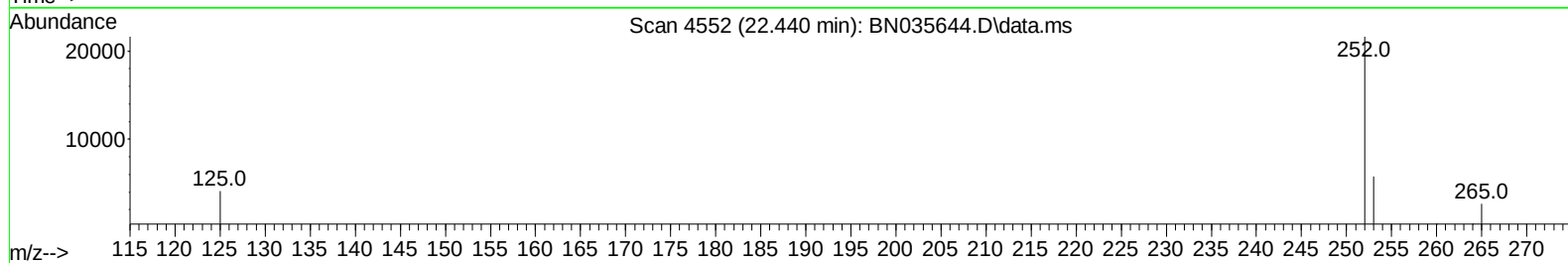
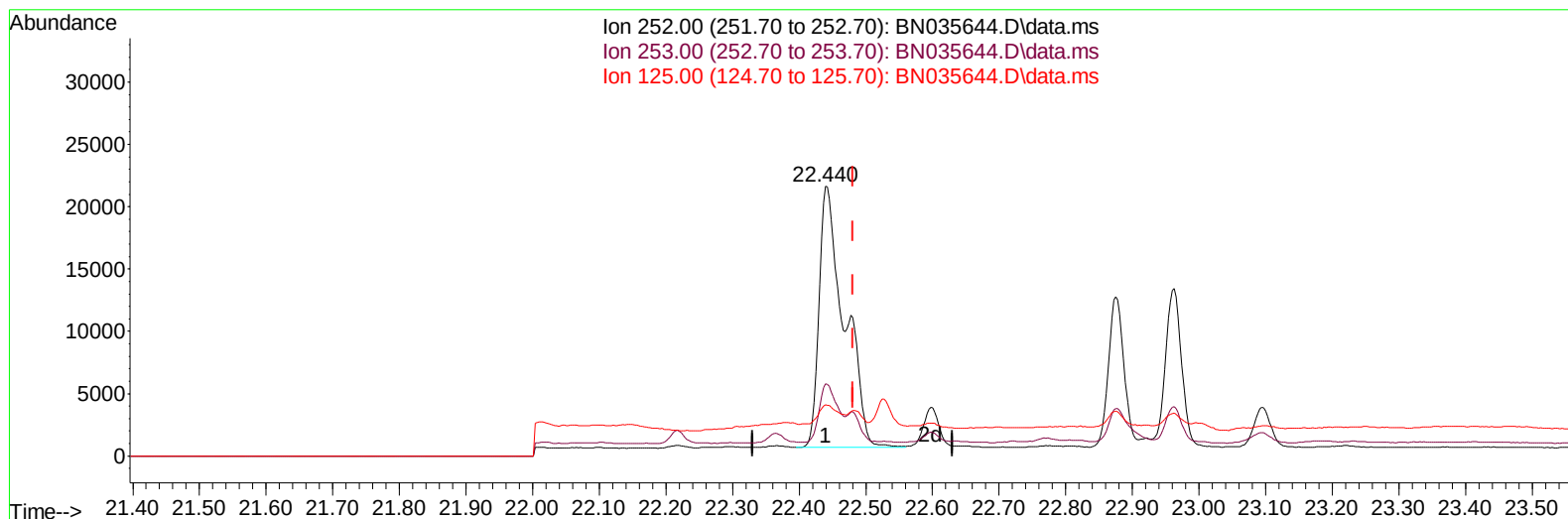
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 08:33:24 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 1.43 ng/u1

response 55725

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	26.82
125.00	19.10	19.05
0.00	0.00	0.00

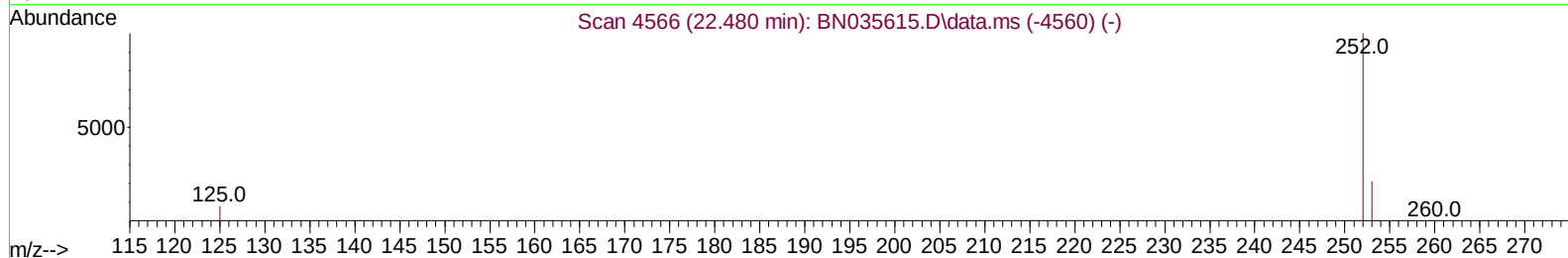
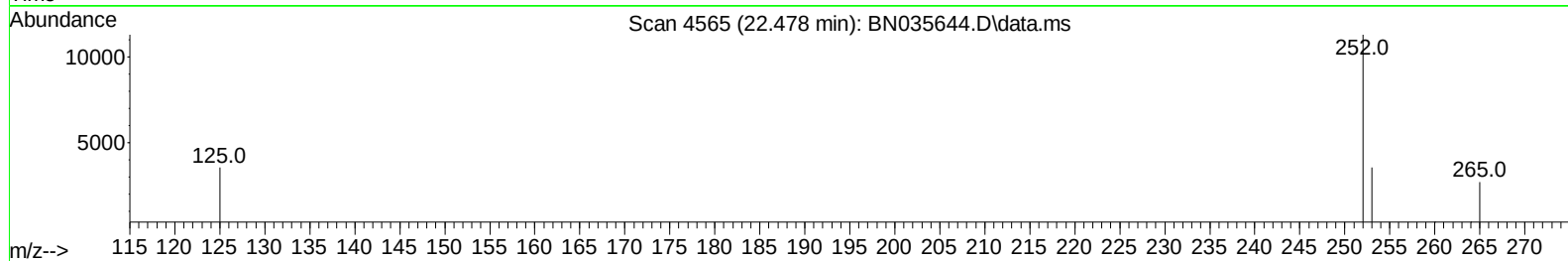
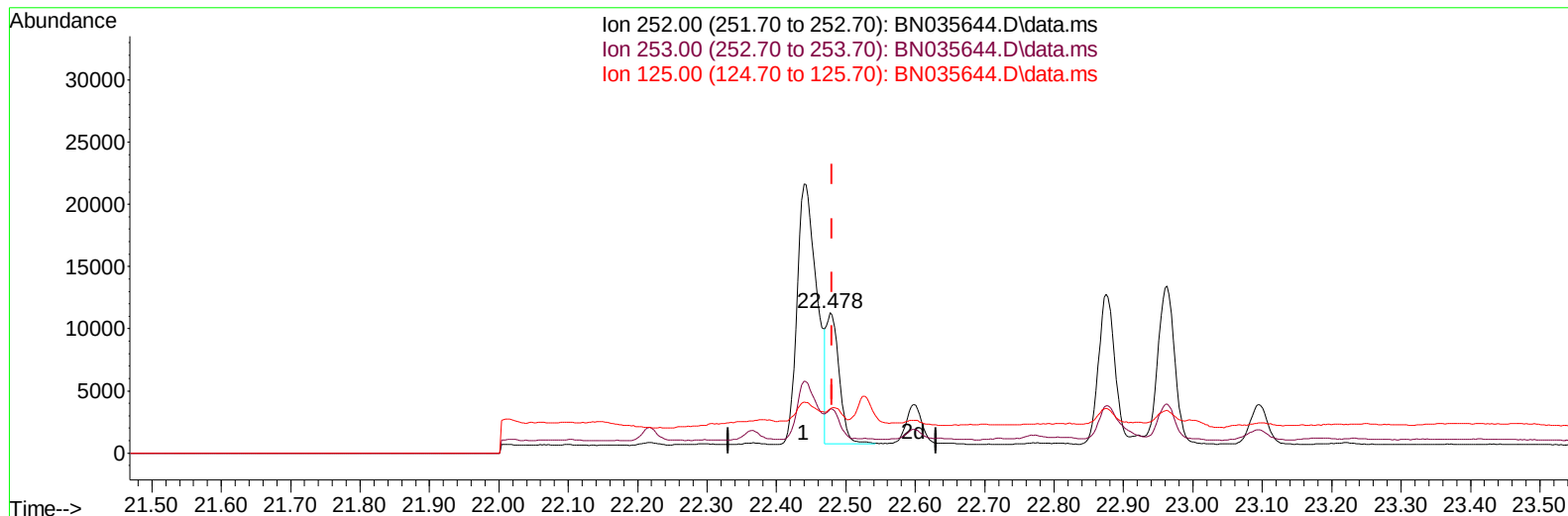
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Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

Quant Time: Dec 17 08:33:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.003) 0.36 ng/ul m

response 13849

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	31.63
125.00	19.10	31.42#
0.00	0.00	0.00

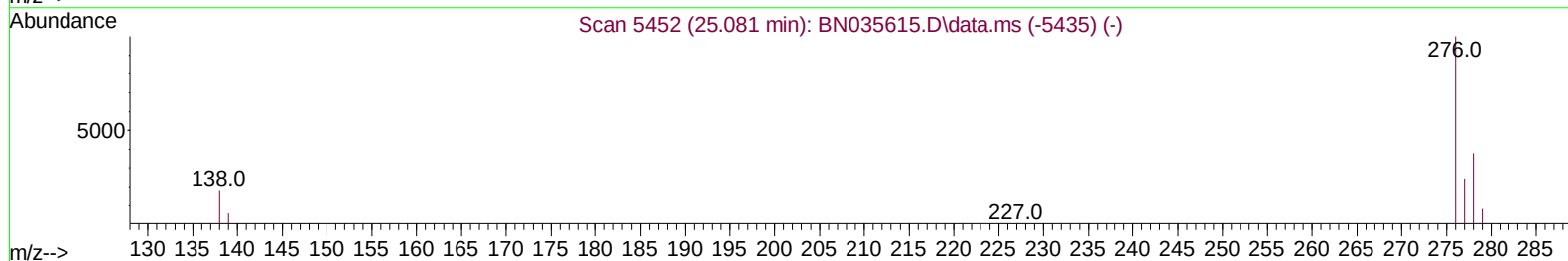
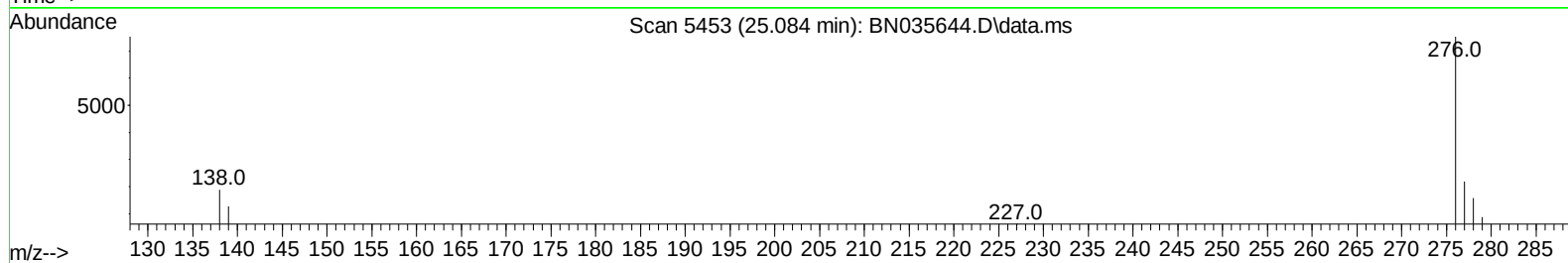
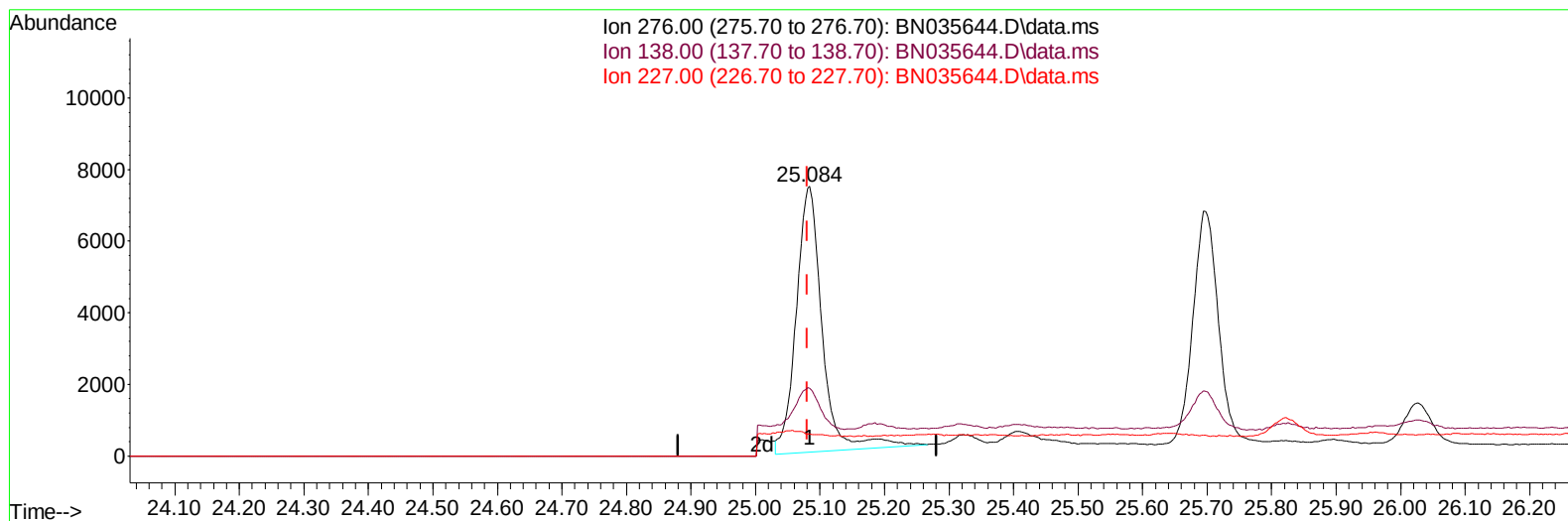
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035644.D
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Operator : RC/JU
Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

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TIC: BN035644.D\data.ms

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

25.084min (+ 0.003) 0.50 ng/u1

response 20825

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	15.42
227.00	27.00	0.00#
0.00	0.00	0.00

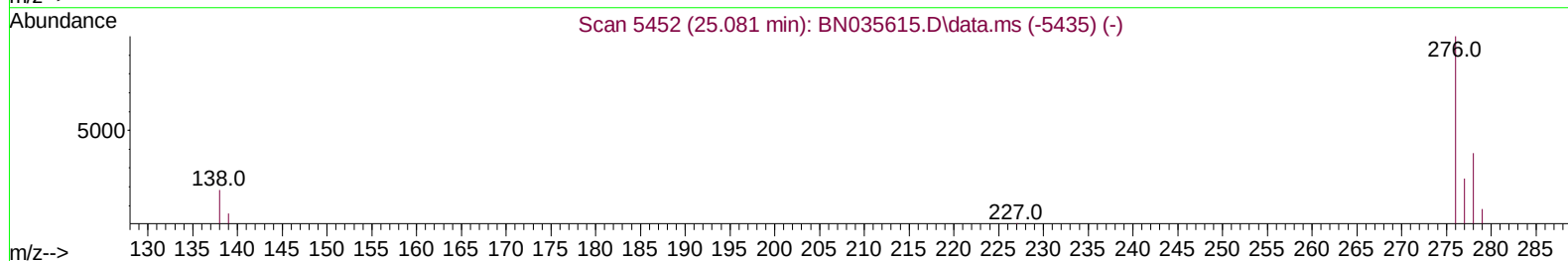
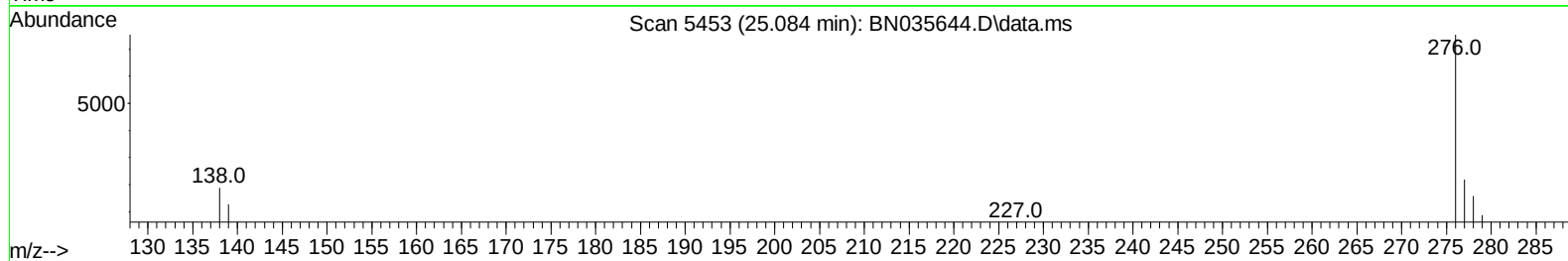
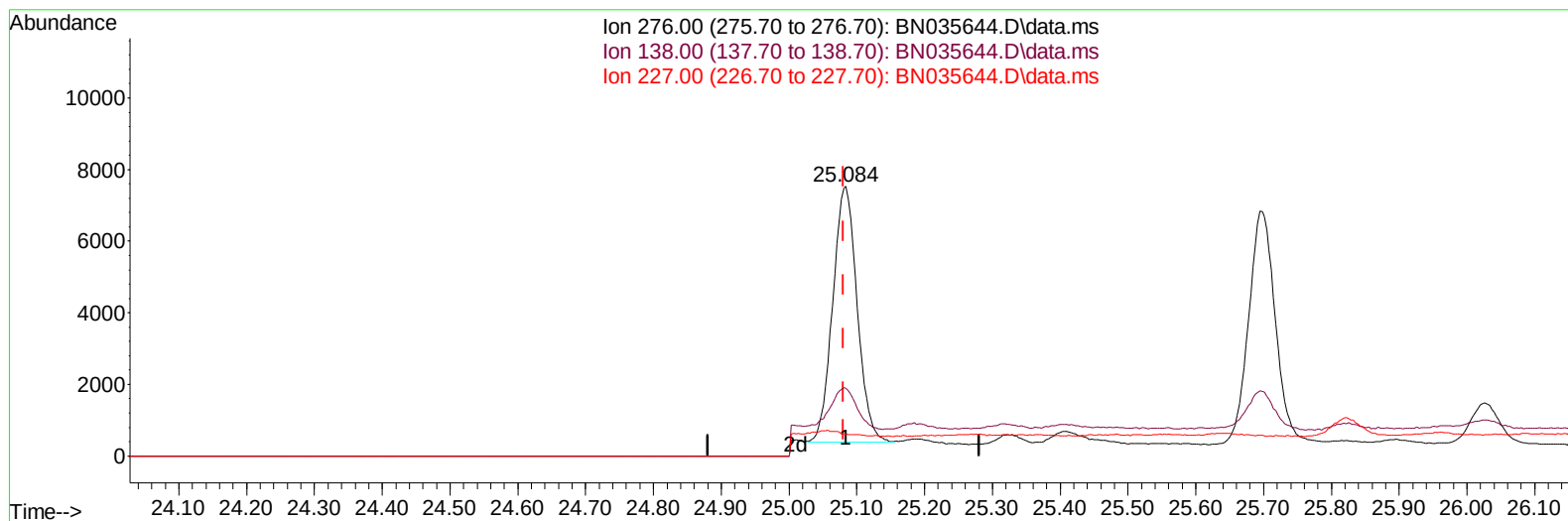
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Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6

Manual IntegrationsAPPROVED

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TIC: BN035644.D\data.ms

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

25.084min (+ 0.003) 0.43 ng/ul m

response 17795

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	18.05
227.00	27.00	0.00#
0.00	0.00	0.00

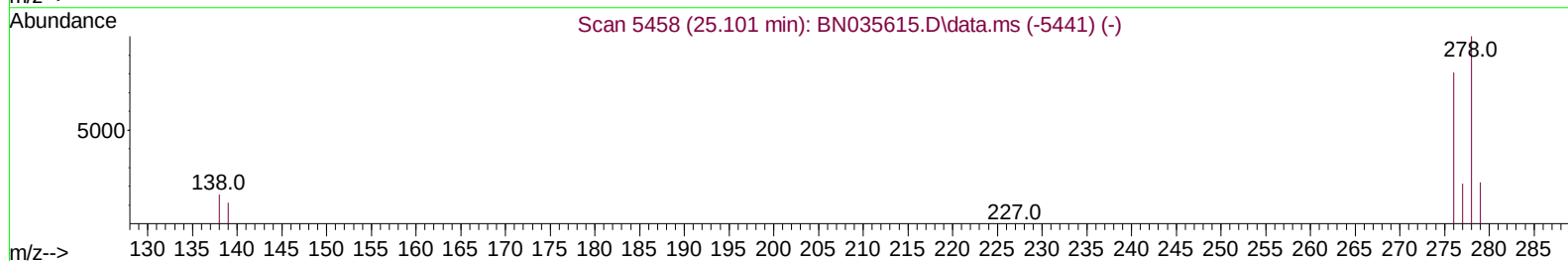
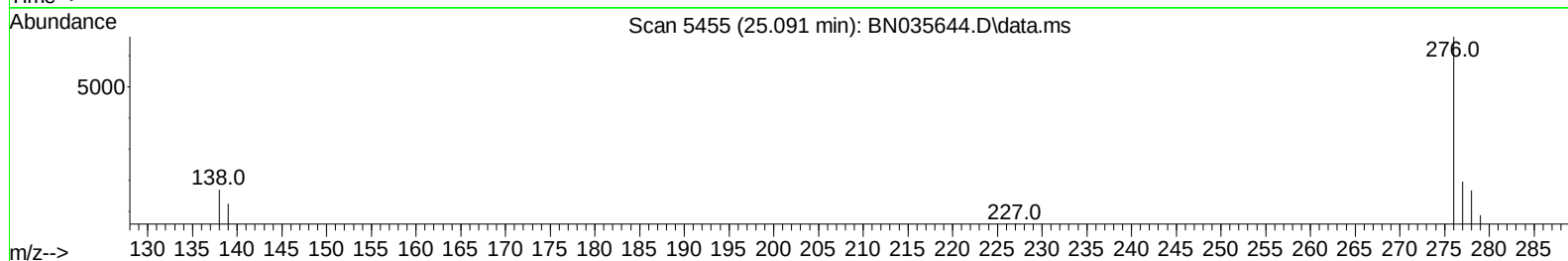
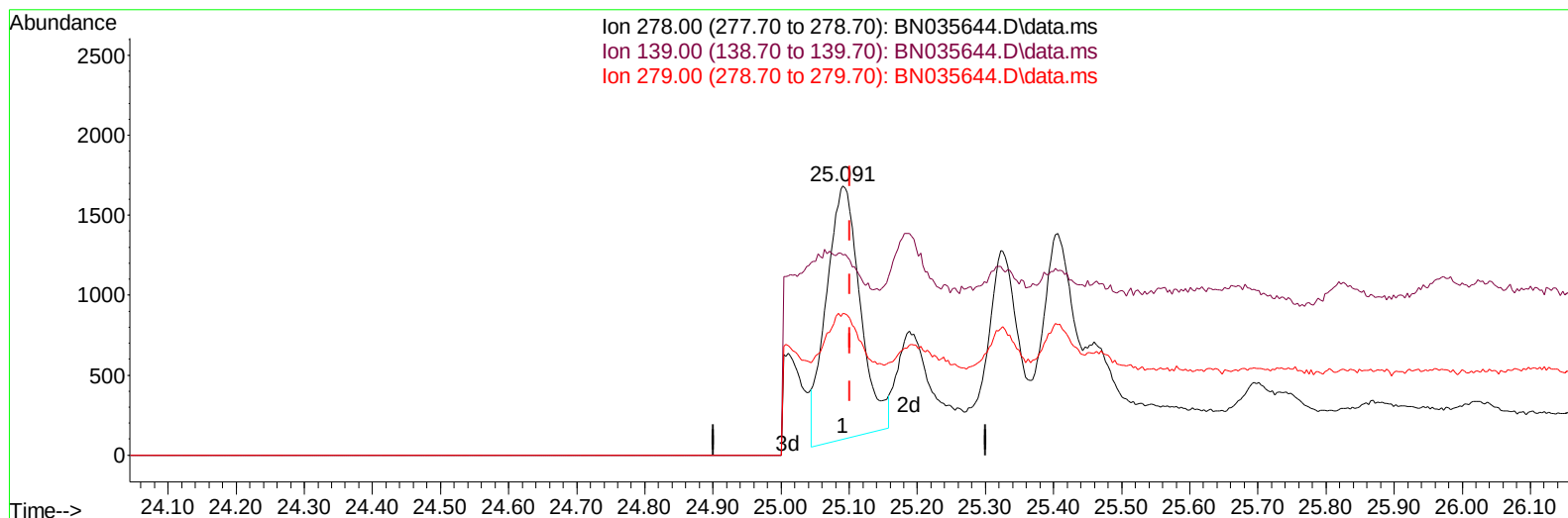
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TIC: BN035644.D\data.ms

(28) Dibenzo(a,h)anthracene

25.091min (-0.010) 0.17 ng/u1

response 5499

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	74.38#
279.00	30.00	52.68#
0.00	0.00	0.00

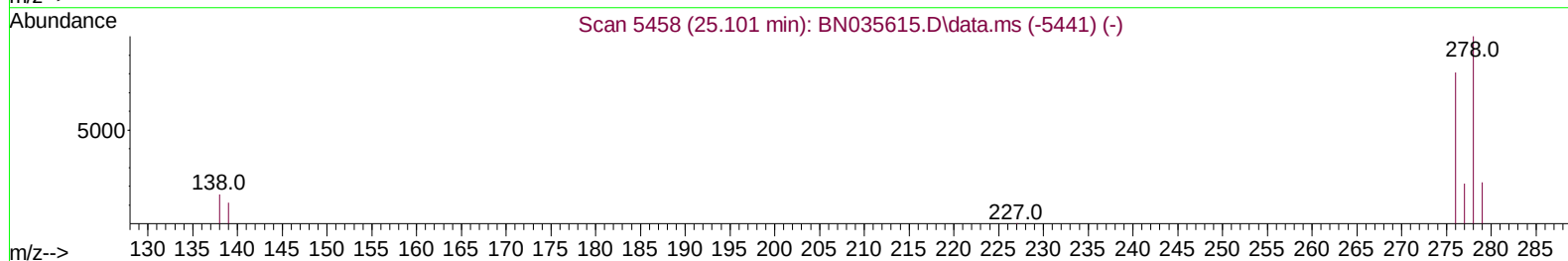
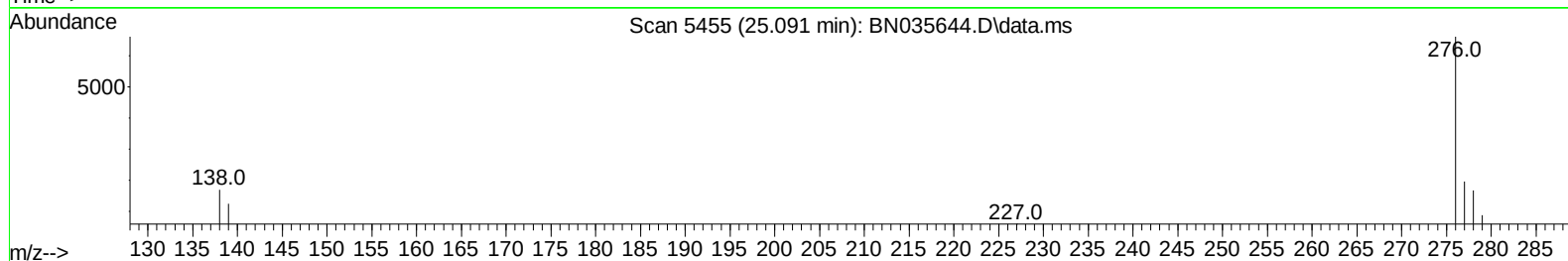
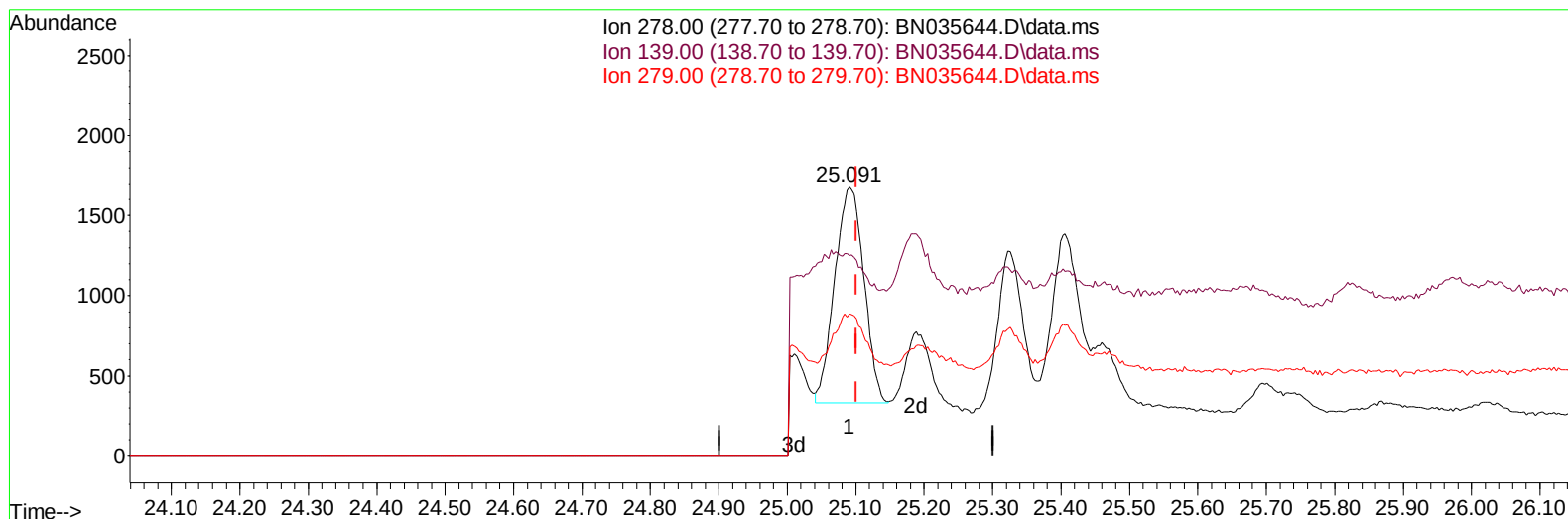
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Data File : BN035644.D
Acq On : 17 Dec 2024 08:00
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Sample : P5232-12
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035644.D\data.ms

(28) Dibenzo(a,h)anthracene

25.091min (-0.010) 0.13 ng/ul m

response 3999

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	74.38#
279.00	30.00	52.68#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	3033	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	8996	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.949	164	6215	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	13261	0.400	ng/ul	0.00
17) Chrysene-d12	20.964	240	10916	0.400	ng/ul	# 0.00
23) Perylene-d12	23.054	264	11953m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	6585	2.449	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	2108	0.165	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	4688	0.147	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.080	128	3801m	0.172	ng/ul	
7) 2-Methylnaphthalene	11.714	142	3267	0.220	ng/ul	99
8) 1-Methylnaphthalene	11.939	142	2464	0.160	ng/ul	99
10) Acenaphthylene	13.662	152	5185	0.215	ng/ul	97
11) Acenaphthene	14.009	153	485	0.027	ng/ul#	92
12) Fluorene	15.013	166	711	0.034	ng/ul#	84
15) Phenanthrene	16.759	178	26517	0.799	ng/ul	99
16) Anthracene	16.848	178	6186	0.199	ng/ul	95
19) Fluoranthene	18.800	202	85133	2.181	ng/ul	98
20) Pyrene	19.167	202	63496	1.476	ng/ul	99
21) Benzo(a)anthracene	20.947	228	20516	0.567	ng/ul	93
22) Chrysene	20.999	228	34819	0.927	ng/ul	97
24) Benzo(b)fluoranthene	22.440	252	41922m	1.190	ng/ul	
25) Benzo(k)fluoranthene	22.478	252	13849m	0.355	ng/ul	
26) Benzo(a)pyrene	22.963	252	21619	0.634	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.084	276	17795m	0.428	ng/ul	
28) Dibenzo(a,h)anthracene	25.091	278	3999m	0.126	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	18048	0.542	ng/ul	96

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

