

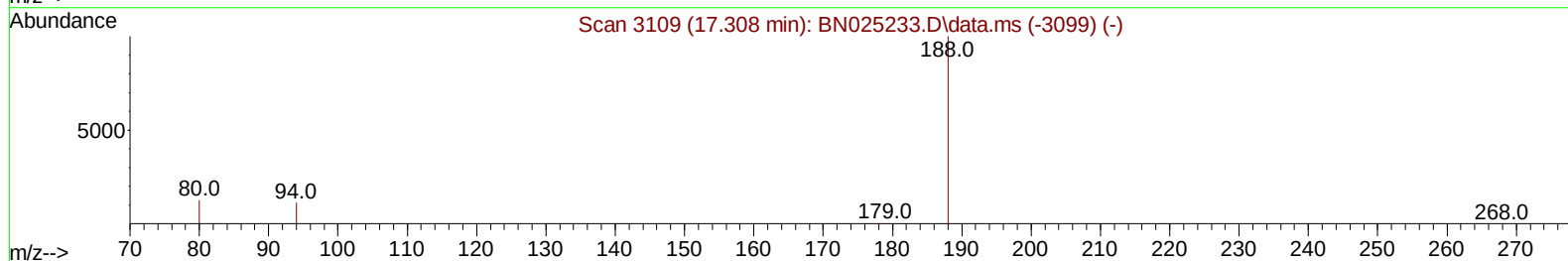
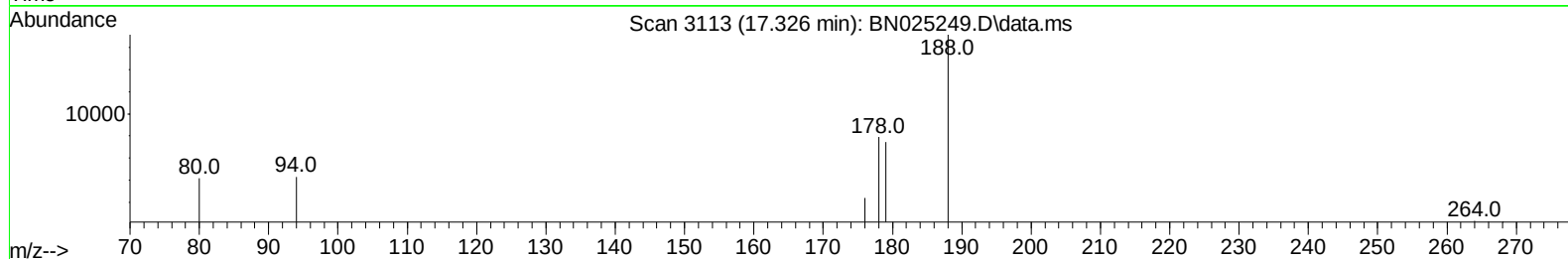
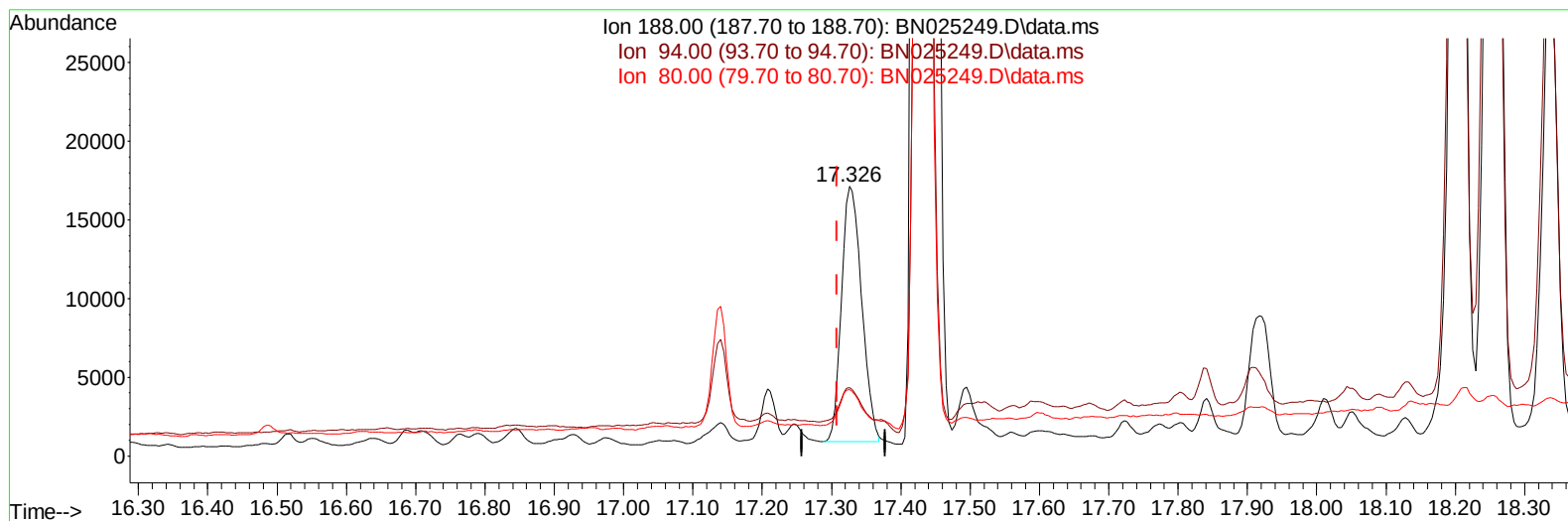
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025249.D
Acq On : 03 May 2023 20:55
Operator : CG/JU
Sample : 02447-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EW939

Manual IntegrationsAPPROVED

Quant Time: May 04 04:31:13 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 15:28:32 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



TIC: BN025249.D\data.ms

(13) Phenanthrene-d10 (I)

17.326min (+ 0.018) 0.40 ng/u1

response 32816

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	25.34#
80.00	13.80	24.58#
0.00	0.00	0.00

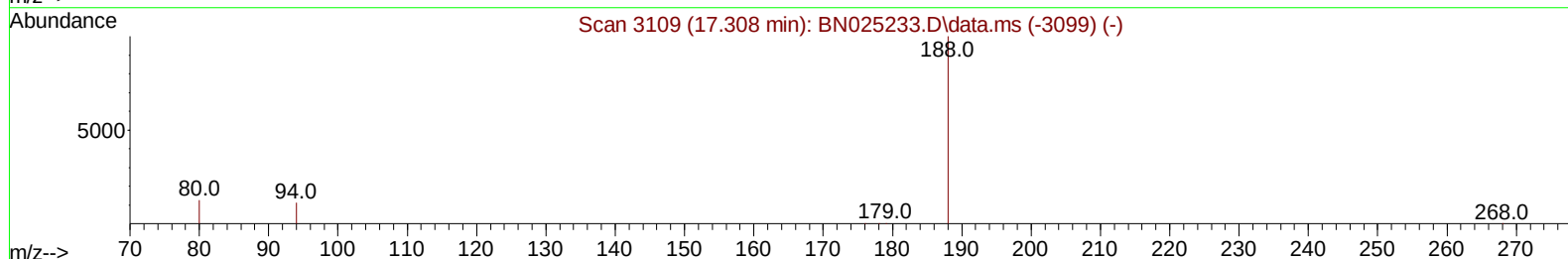
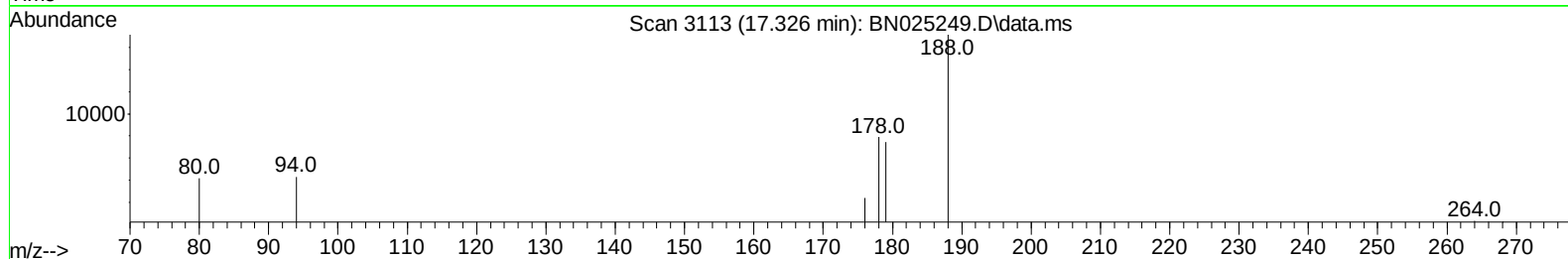
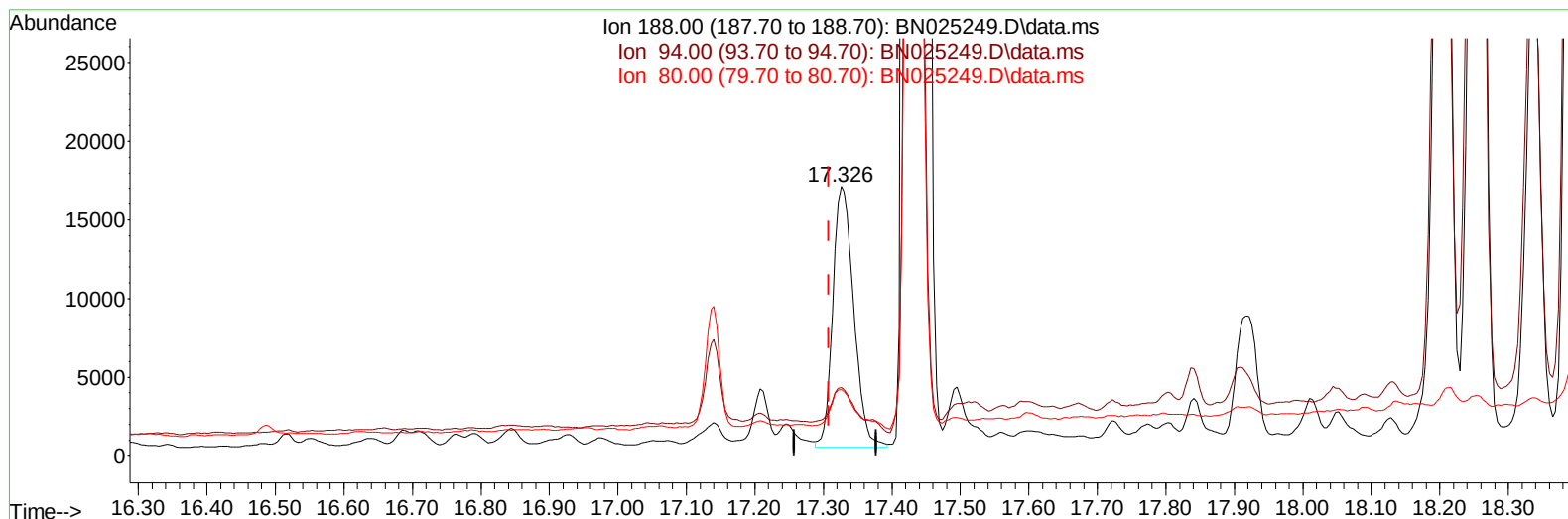
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
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Instrument :
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 ClientSampleId :
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TIC: BN025249.D\data.ms

(13) Phenanthrene-d10 (I)

17.326min (+ 0.018) 0.40 ng/ul m

response 35109

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	25.34#
80.00	13.80	24.58#
0.00	0.00	0.00

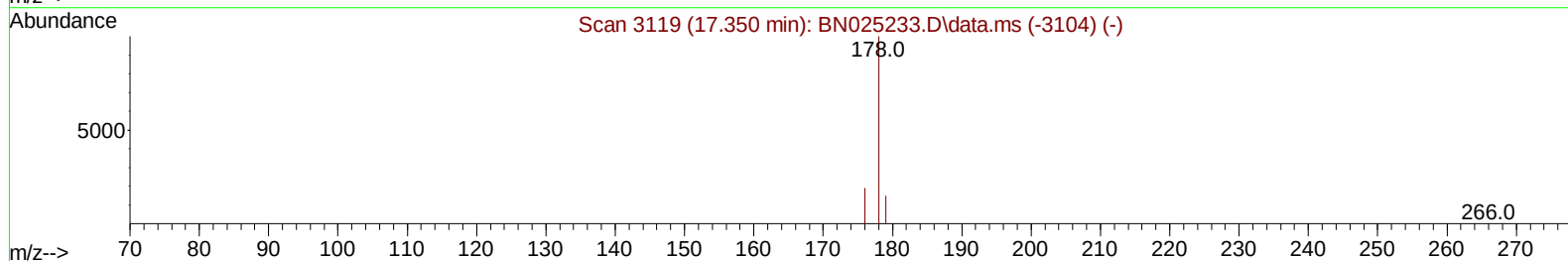
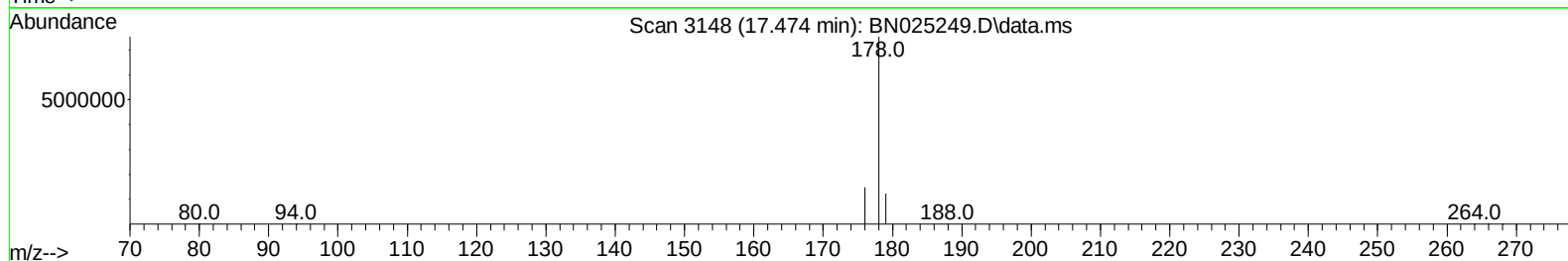
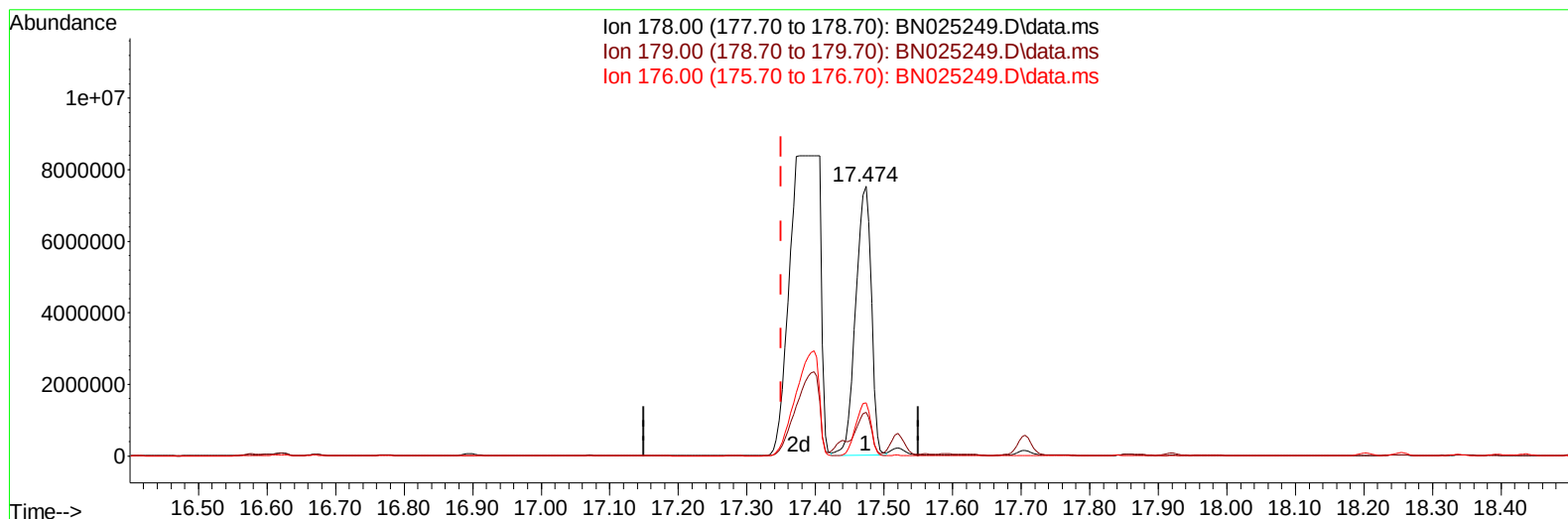
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
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TIC: BN025249.D\data.ms

(15) Phenanthrene

17.474min (+ 0.123) 120.46 ng/ul

response 11937072

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.28
176.00	19.50	19.76
0.00	0.00	0.00

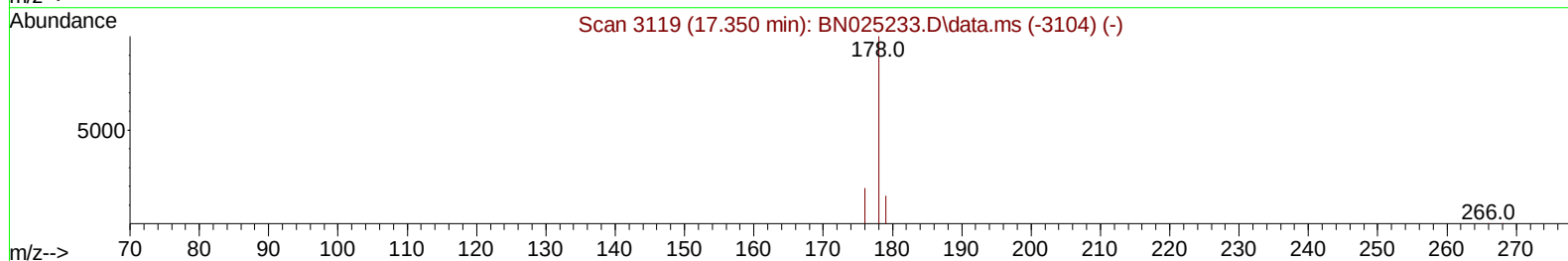
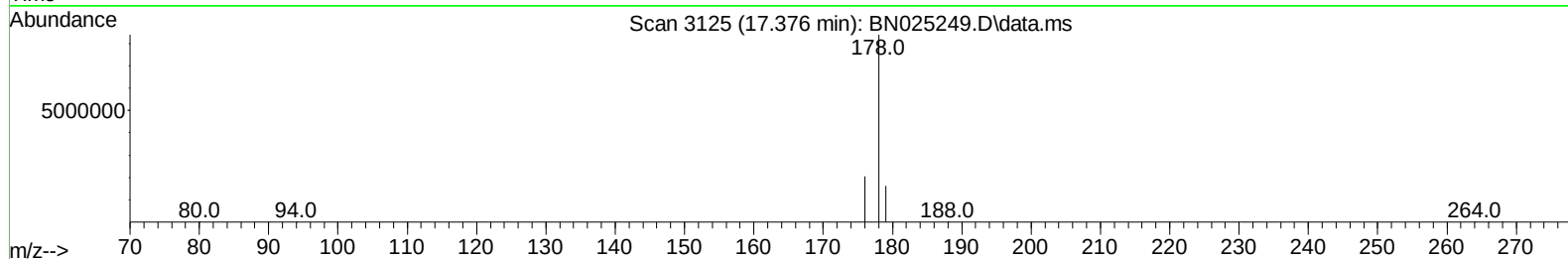
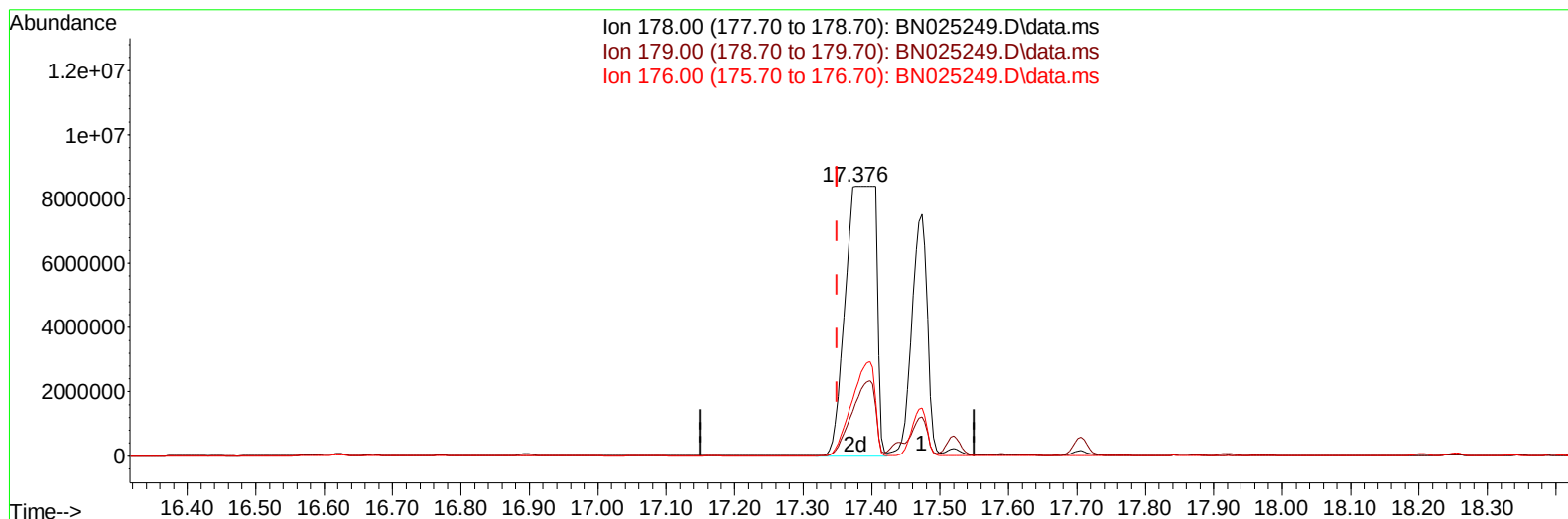
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
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 Operator : CG/JU
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Instrument :
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TIC: BN025249.D\data.ms

(15) Phenanthrene

17.376min (+ 0.026) 263.11 ng/ul m

response 26073681

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	19.36#
176.00	19.50	24.44#
0.00	0.00	0.00

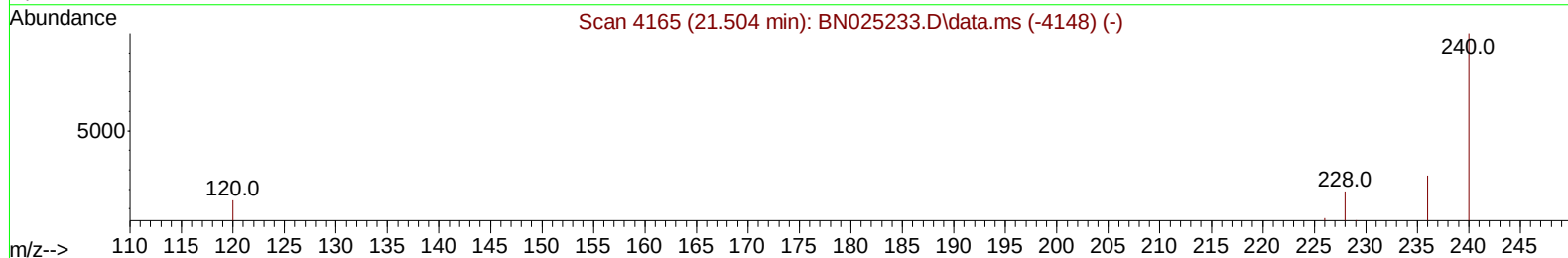
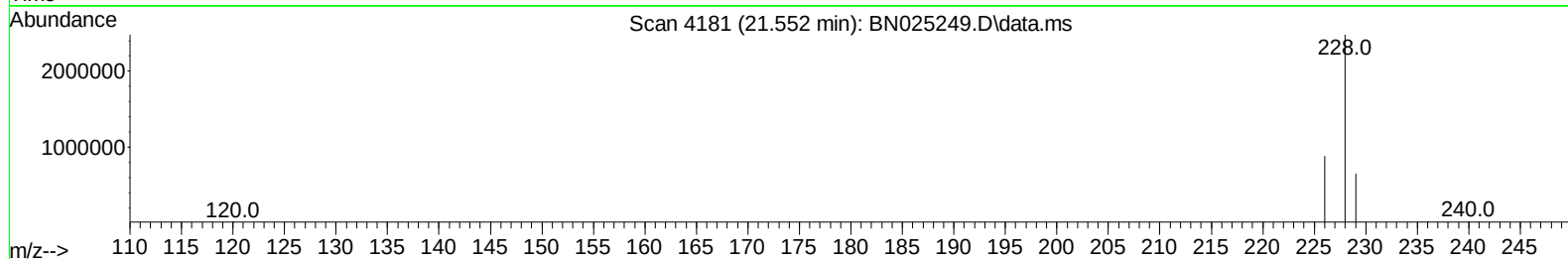
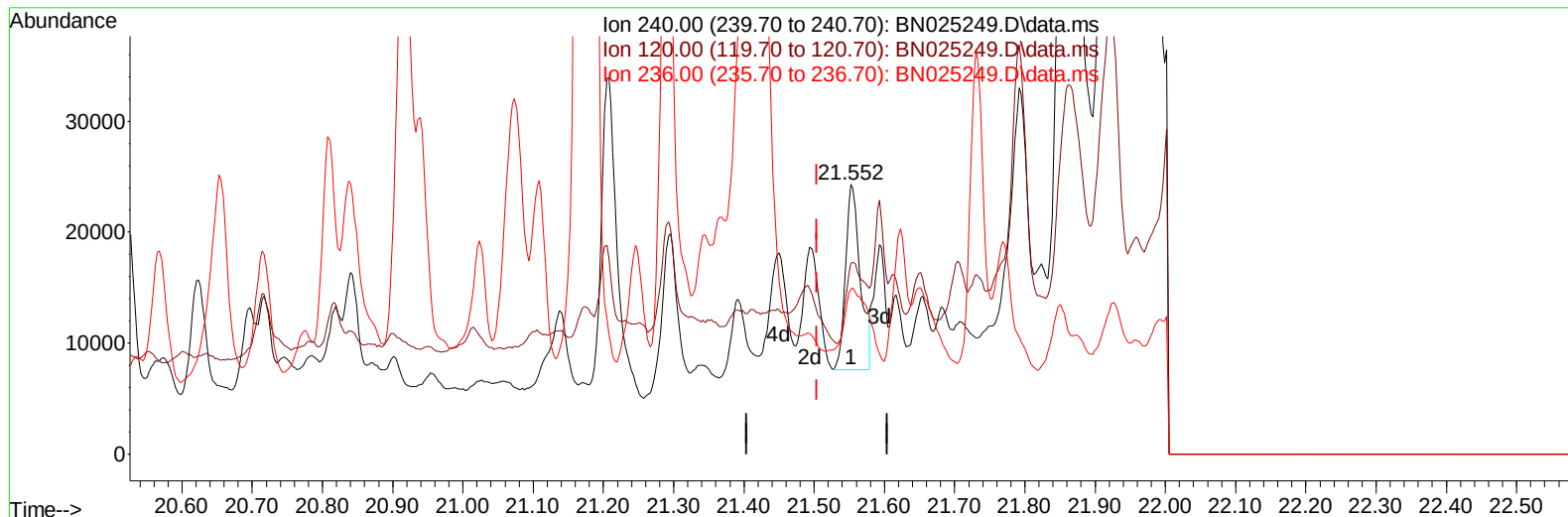
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW939

Manual IntegrationsAPPROVED

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TIC: BN025249.D\data.ms

(17) Chrysene-d12

21.552min (+ 0.048) 0.40 ng/u1

response 24452

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.50	70.93#
236.00	28.20	61.29#
0.00	0.00	0.00

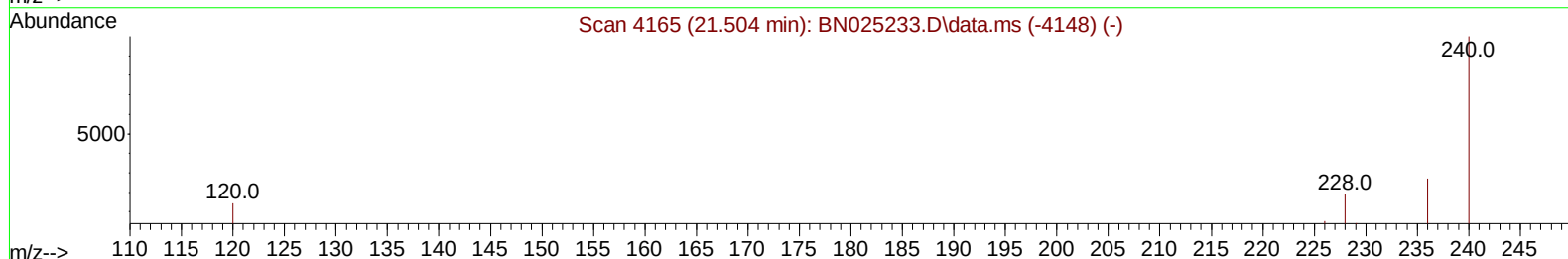
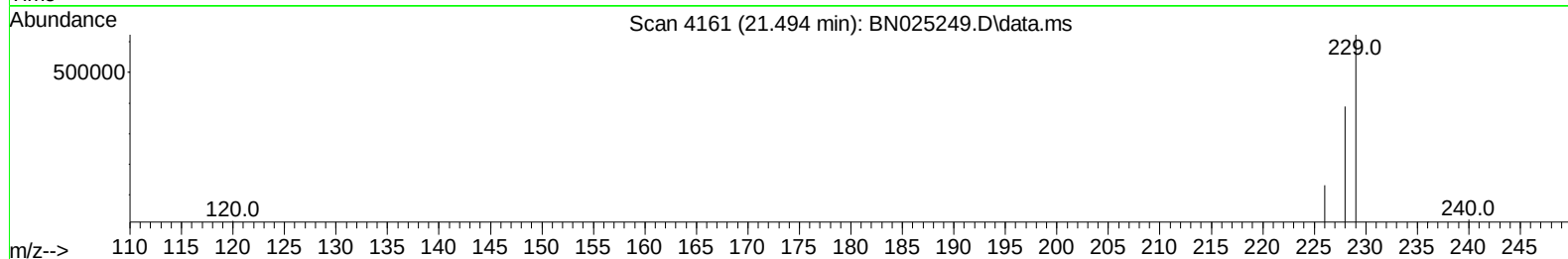
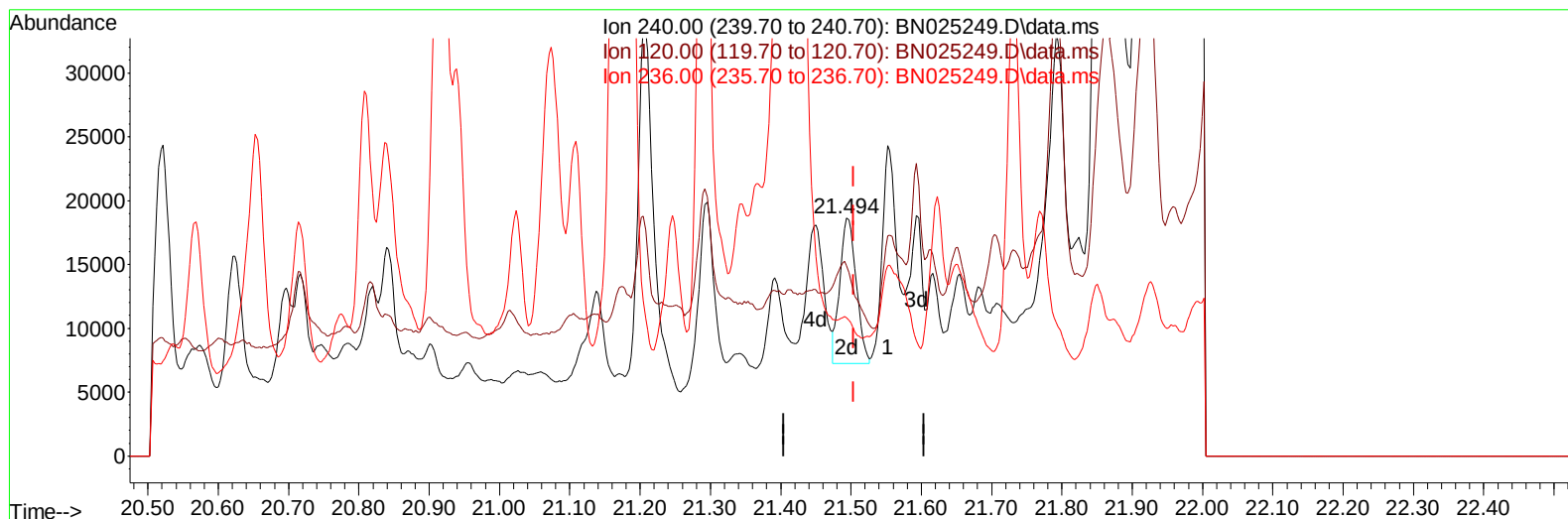
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025249.D
Acq On : 03 May 2023 20:55
Operator : CG/JU
Sample : 02447-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EW939

Manual IntegrationsAPPROVED

Quant Time: May 04 04:31:13 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
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QLast Update : Wed May 03 15:28:32 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



TIC: BN025249.D\data.ms

(17) Chrysene-d12

21.494min (-0.010) 0.40 ng/ul m

response 18412

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.50	79.93#
236.00	28.20	58.09#
0.00	0.00	0.00

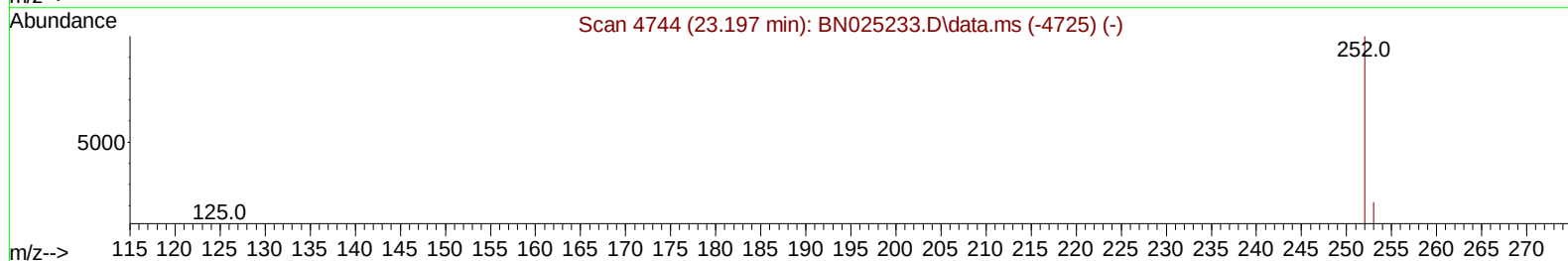
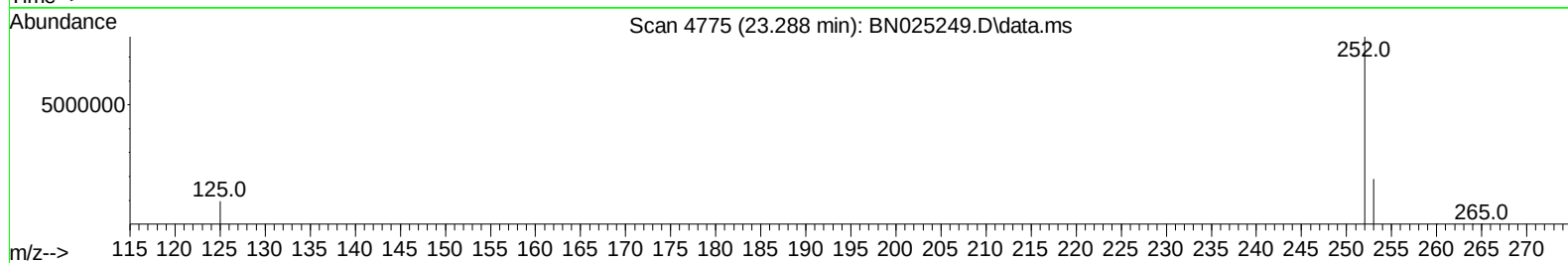
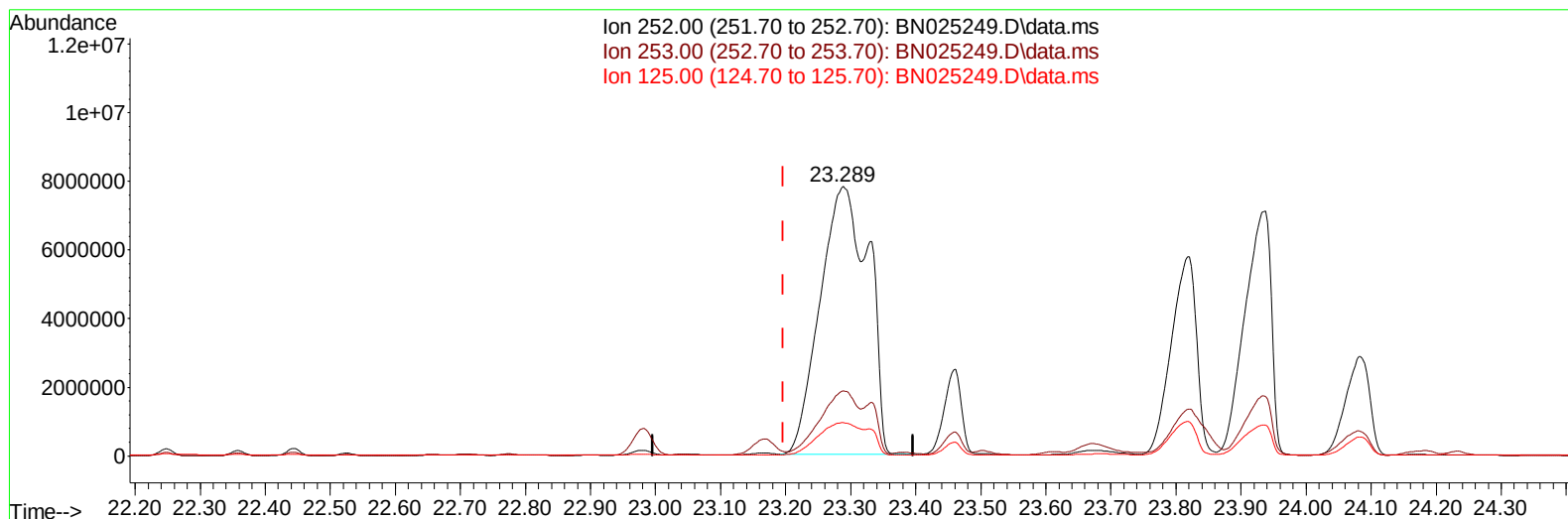
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW939

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TIC: BN025249.D\data.ms

(24) Benzo(b)fluoranthene

23.288min (+ 0.092) 150.97 ng/ul

response 40267566

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.20
125.00	15.20	12.36
0.00	0.00	0.00

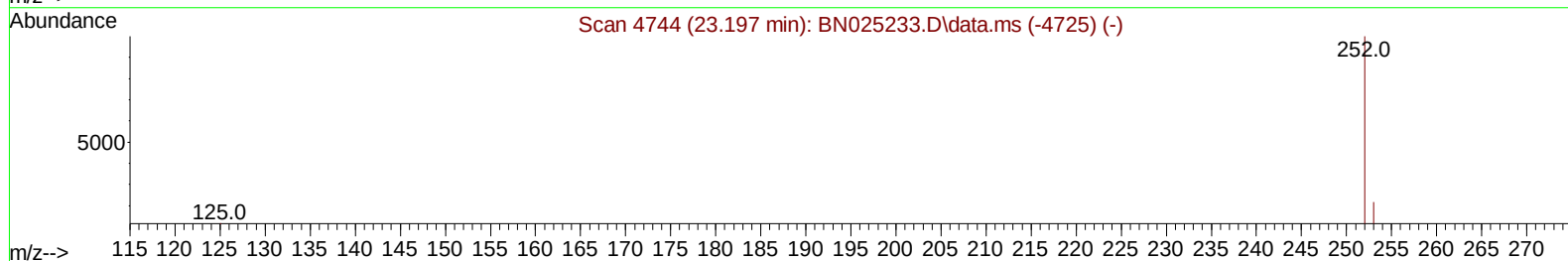
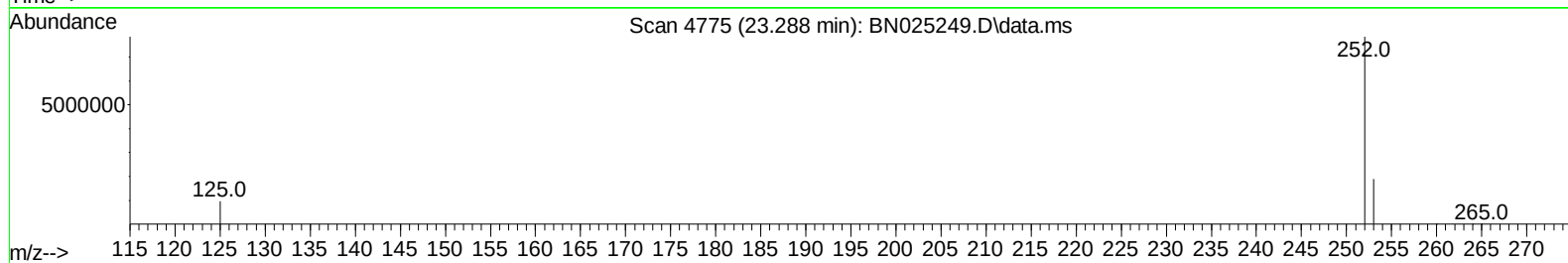
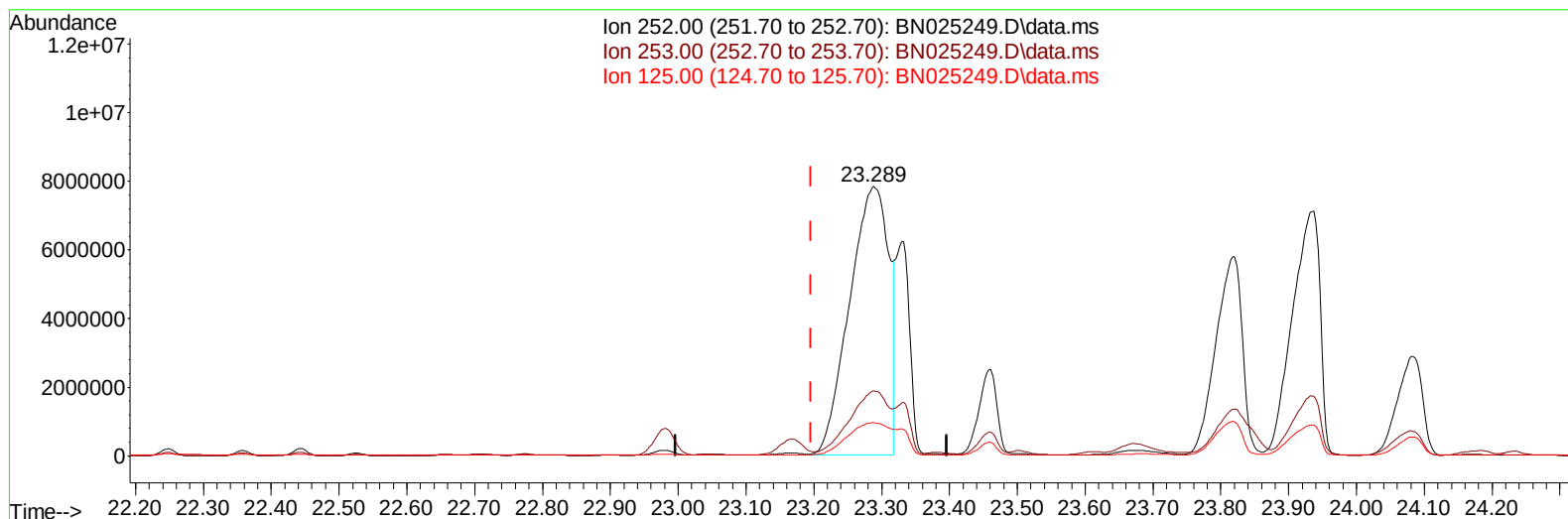
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025249.D
Acq On : 03 May 2023 20:55
Operator : CG/JU
Sample : 02447-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EW939

Manual IntegrationsAPPROVED

Quant Time: May 04 04:31:13 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
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QLast Update : Wed May 03 15:28:32 2023
Response via : Initial Calibration

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Supervised By :Jagrut Upadhyay 05/04/2023



TIC: BN025249.D\data.ms

(24) Benzo(b)fluoranthene

23.288min (+ 0.092) 118.37 ng/ul m

response 31572361

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.20
125.00	15.20	12.36
0.00	0.00	0.00

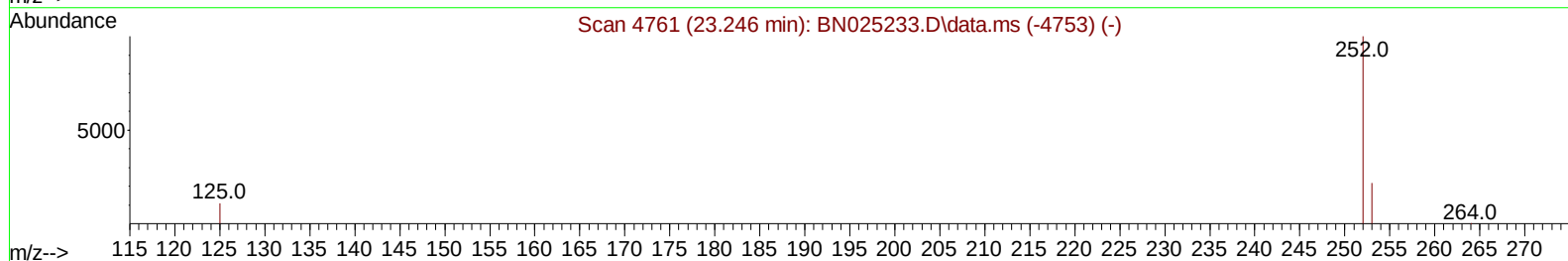
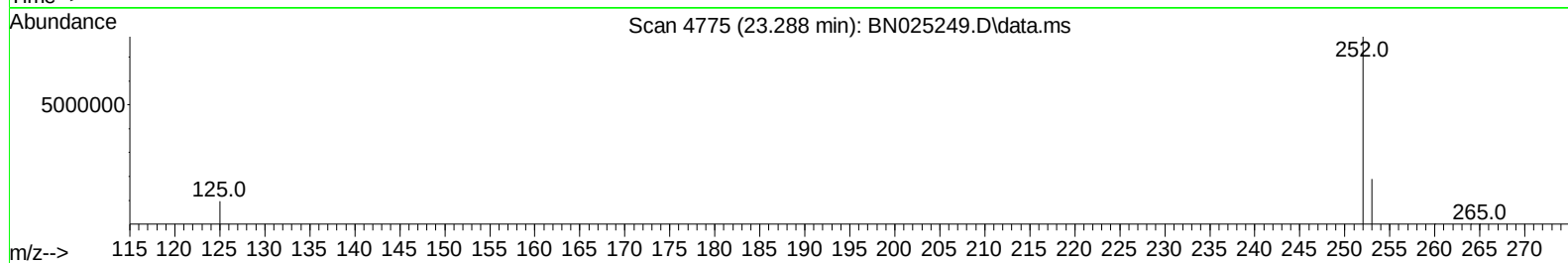
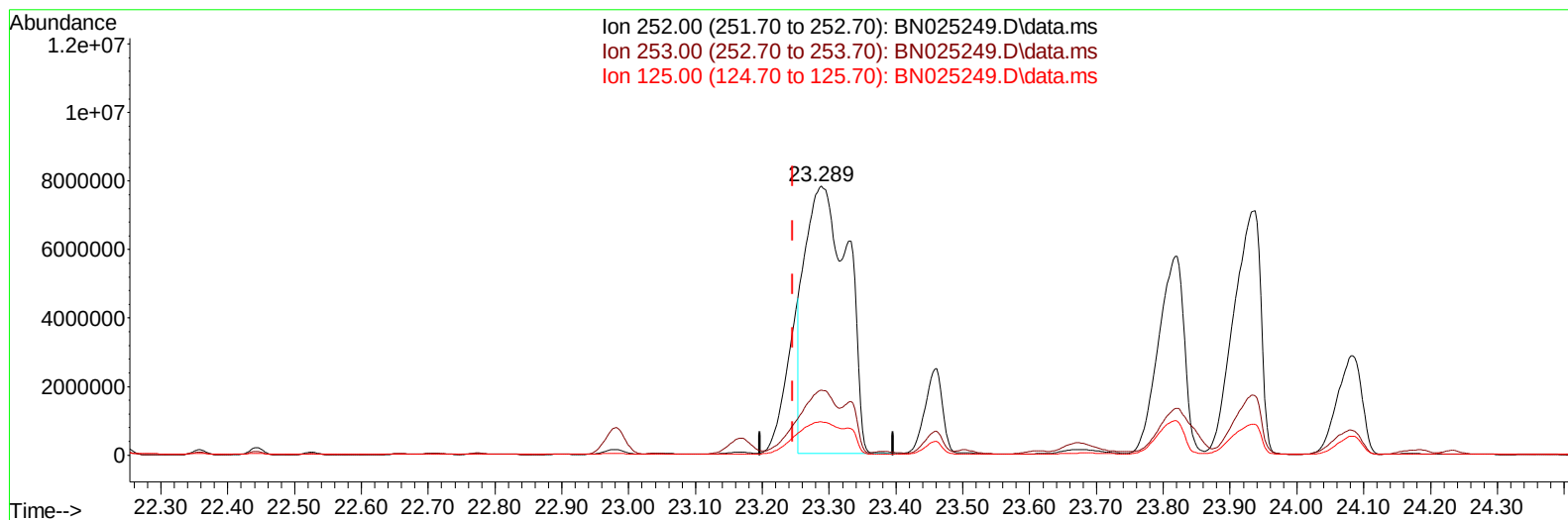
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW939

Manual IntegrationsAPPROVED

Quant Time: May 04 04:31:13 2023
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TIC: BN025249.D\data.ms

(25) Benzo(k)fluoranthene

23.288min (+ 0.042) 134.04 ng/ul

response 34388584

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.30	24.20
125.00	14.80	12.36
0.00	0.00	0.00

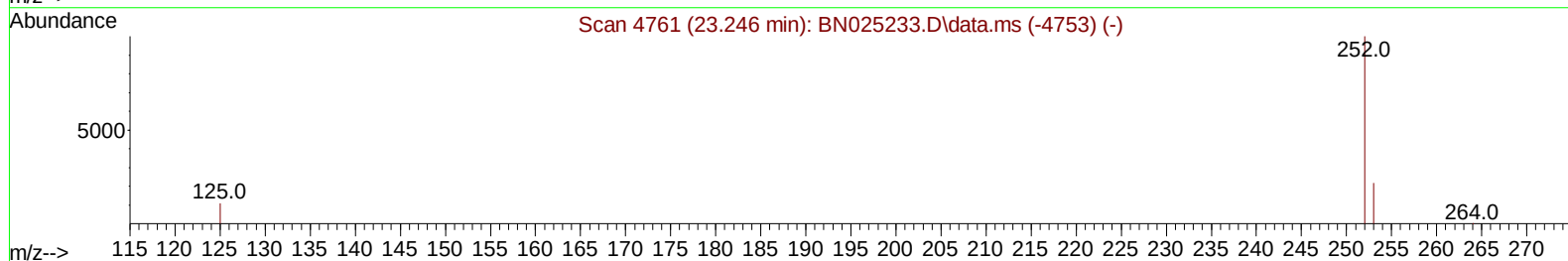
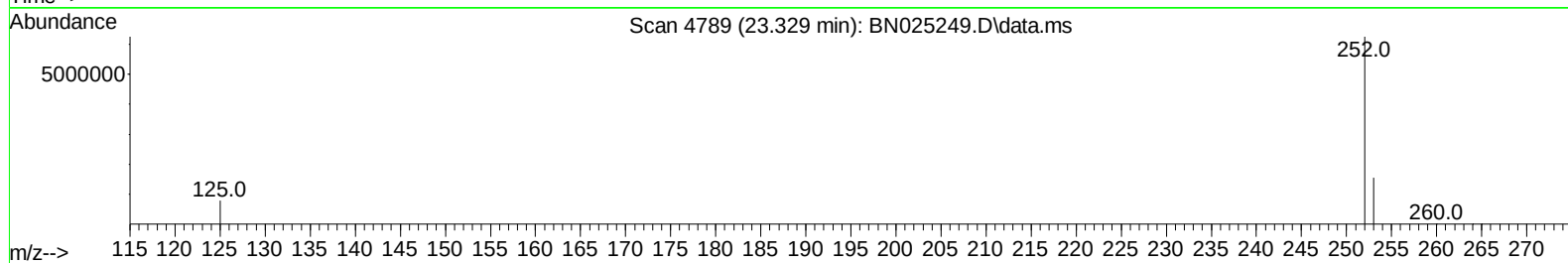
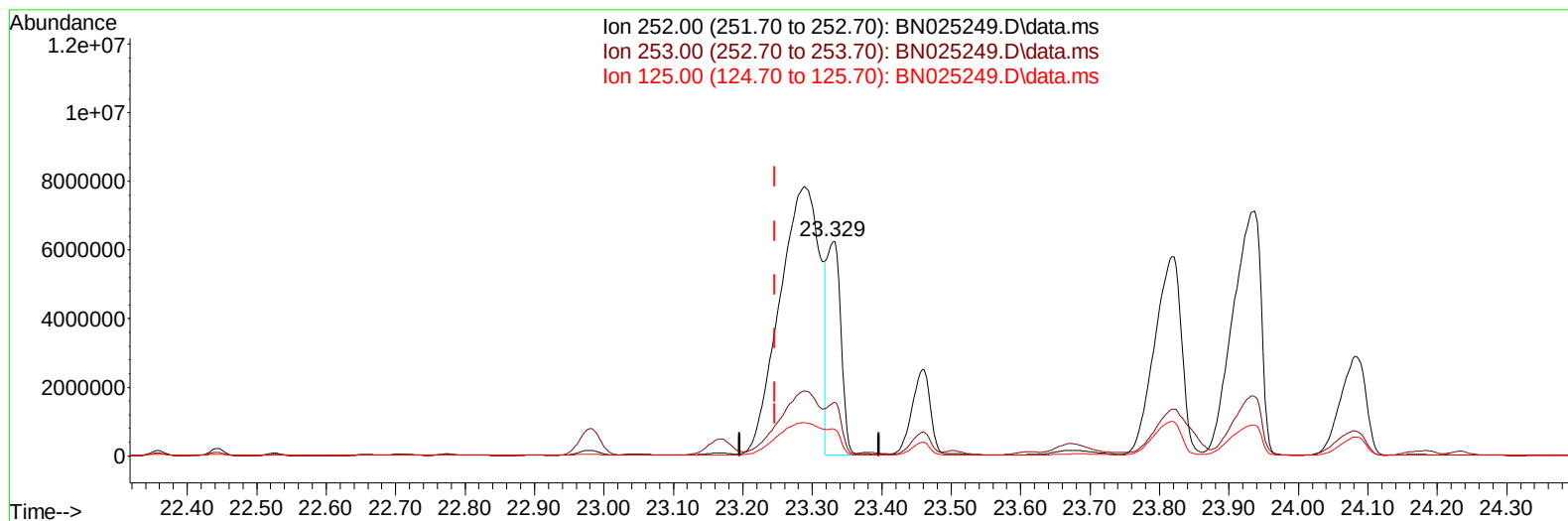
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025249.D
Acq On : 03 May 2023 20:55
Operator : CG/JU
Sample : 02447-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN025249.D\data.ms

(25) Benzo(k)fluoranthene

23.329min (+ 0.083) 34.30 ng/ul m

response 8799032

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.30	24.80
125.00	14.80	12.60
0.00	0.00	0.00

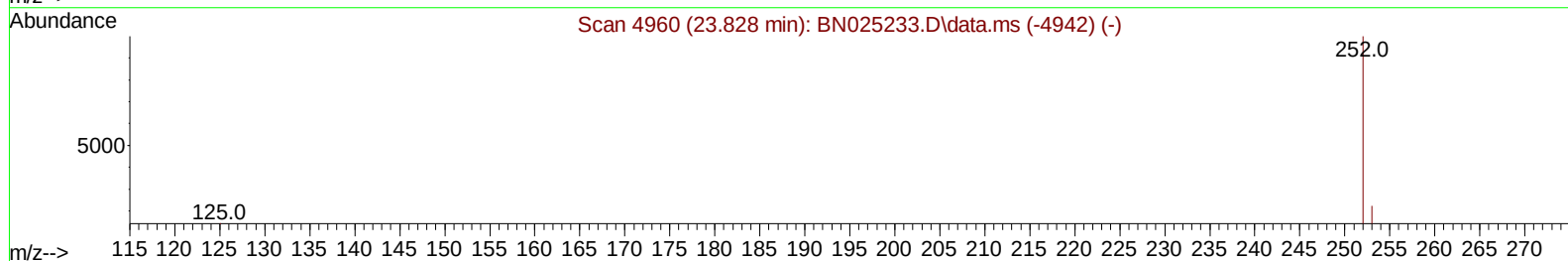
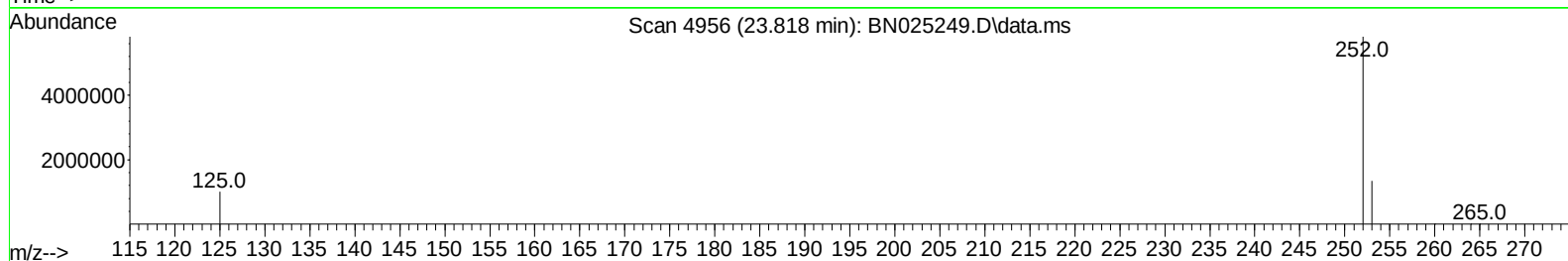
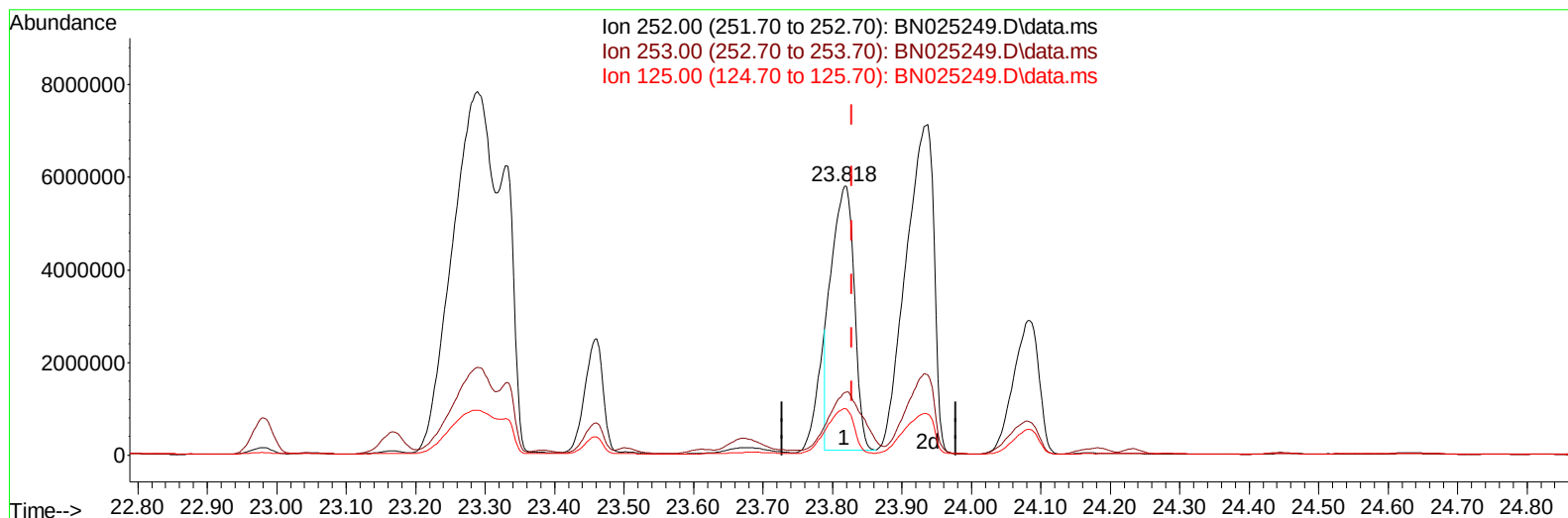
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TIC: BN025249.D\data.ms

(26) Benzo(a)pyrene (C)

23.818min (-0.010) 59.18 ng/u1

response 13060131

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.80	23.35
125.00	18.30	17.27
0.00	0.00	0.00

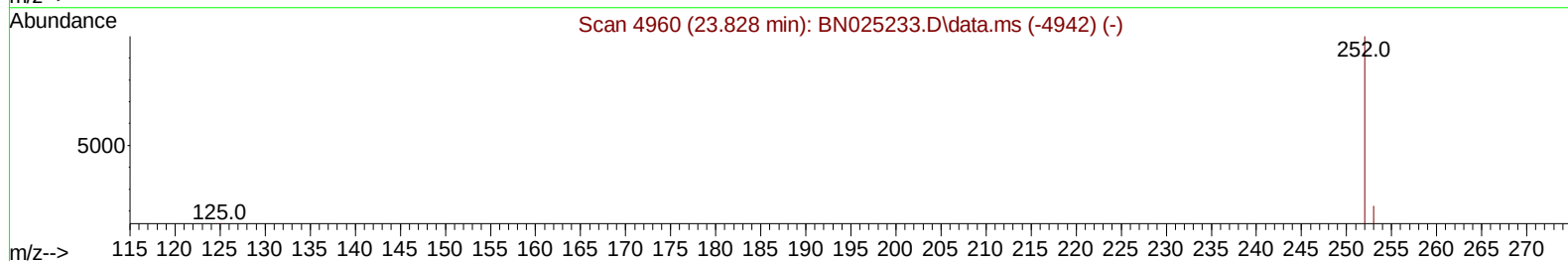
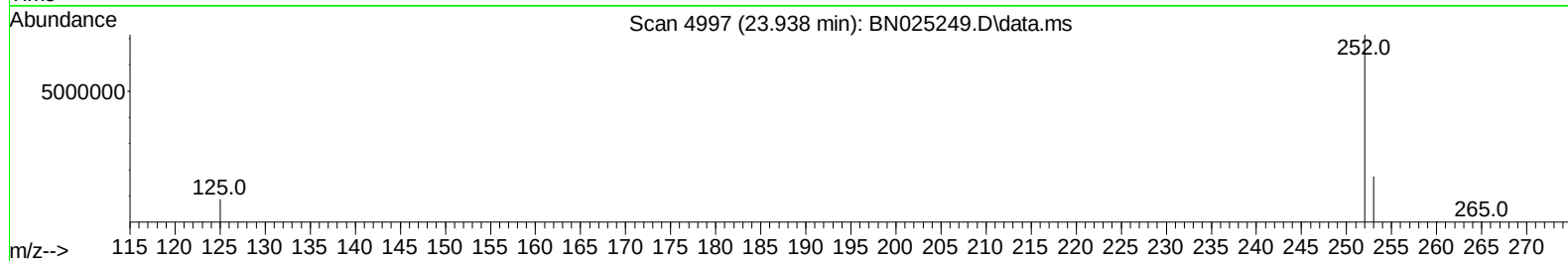
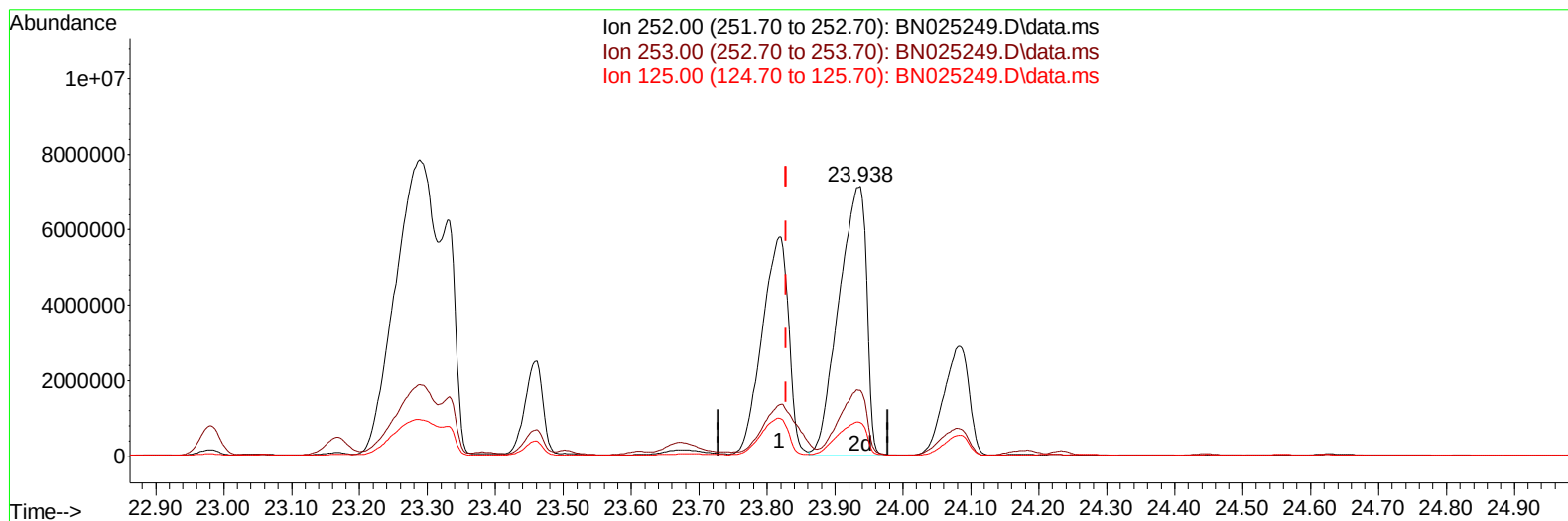
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025249.D
 Acq On : 03 May 2023 20:55
 Operator : CG/JU
 Sample : 02447-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW939

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TIC: BN025249.D\data.ms

(26) Benzo(a)pyrene (C)

23.938min (+ 0.110) 91.76 ng/ul m

response 20251444

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.80	24.37
125.00	18.30	12.48#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
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 Misc :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	7973	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	27087	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.566	164	19041	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.326	188	35109m	0.400	ng/ul	0.02
17) Chrysene-d12	21.494	240	18412m	0.400	ng/ul	-0.01
23) Perylene-d12	23.996	264	65744	0.400	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	17177	2.081	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.316	152	5919	0.170	ng/ul	0.00
18) Fluoranthene-d10	19.345	212	42557	0.876	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.781	128	1181435	17.022	ng/ul	99
7) 2-Methylnaphthalene	12.392	142	453137	10.660	ng/ul	99
8) 1-Methylnaphthalene	12.612	142	394172	8.699	ng/ul	100
10) Acenaphthylene	14.288	152	1921984	27.096	ng/ul	100
11) Acenaphthene	14.635	153	2336661	39.080	ng/ul	96
12) Fluorene	15.620	166	3196412	47.820	ng/ul	100
15) Phenanthrene	17.376	178	26073681m	263.105	ng/ul	
16) Anthracene	17.474	178	11766085	145.133	ng/ul	99
19) Fluoranthene	19.396	202	33101265	497.156	ng/ul#	89
20) Pyrene	19.763	202	29747749	434.854	ng/ul#	89
21) Benzo(a)anthracene	21.526	228	19471779	350.955	ng/ul#	85
22) Chrysene	21.587	228	19949685	329.616	ng/ul#	89
24) Benzo(b)fluoranthene	23.288	252	31572361m	118.368	ng/ul	
25) Benzo(k)fluoranthene	23.329	252	8799032m	34.296	ng/ul	
26) Benzo(a)pyrene	23.938	252	20251444m	91.765	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.651	276	16510820	64.933	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.625	278	4602802	23.174	ng/ul	97
29) Benzo(g,h,i)perylene	27.450	276	14918253	68.999	ng/ul	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025249.D
Acq On : 03 May 2023 20:55
Operator : CG/JU
Sample : 02447-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EW939

Manual IntegrationsAPPROVED

Quant Time: May 04 04:31:13 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 15:28:32 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

