

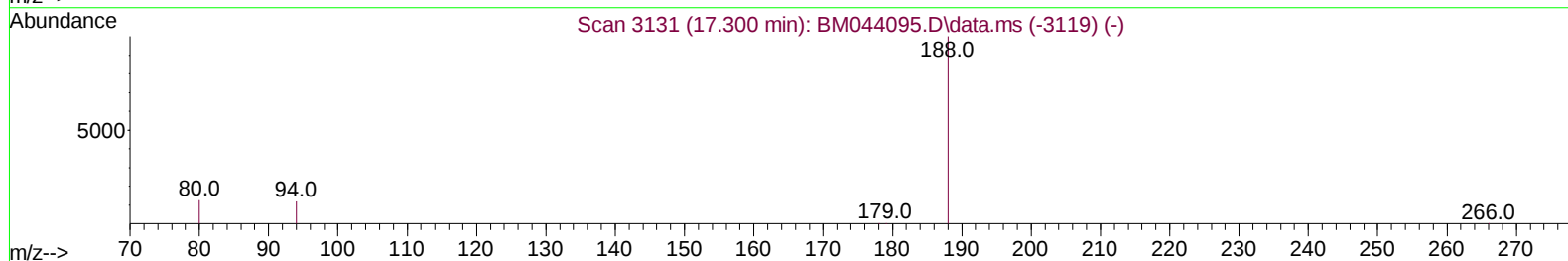
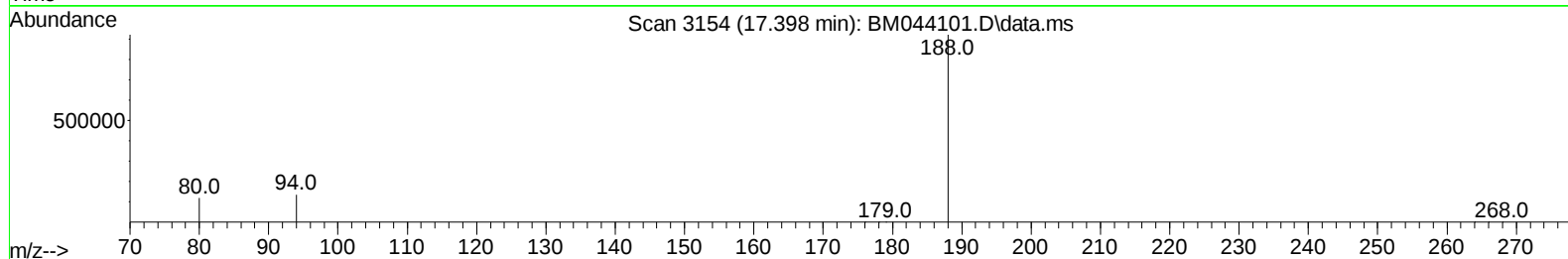
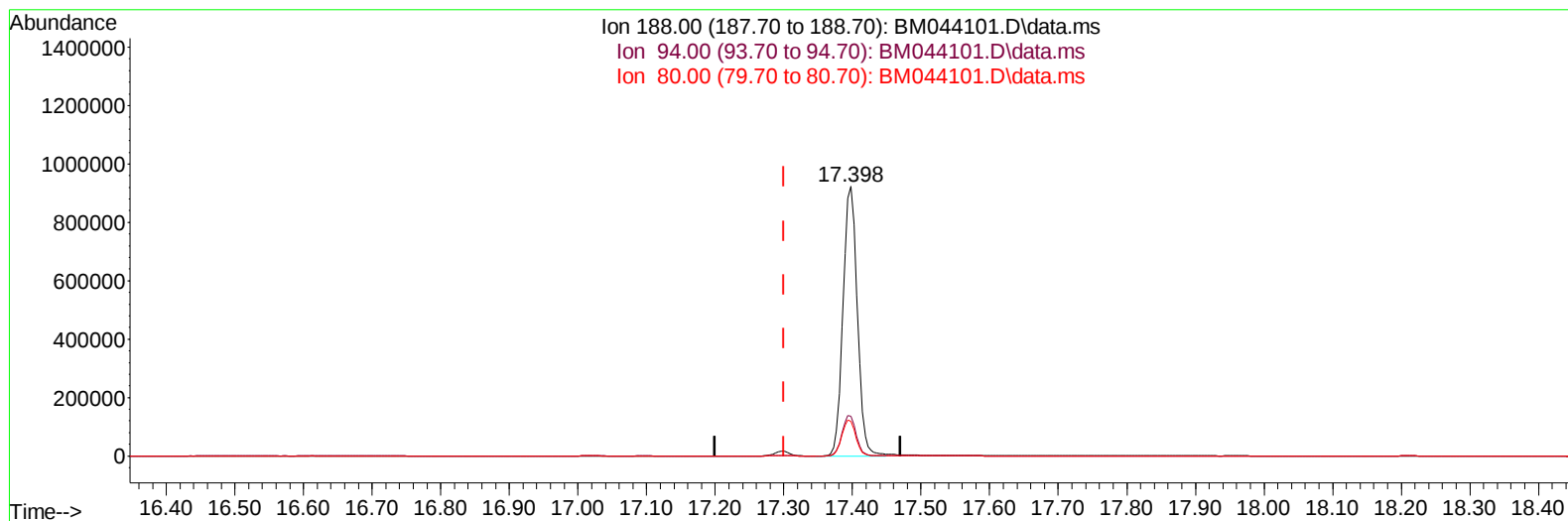
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(13) Phenanthrene-d10 (I)

17.398min (+ 0.097) 0.40 ng/u1

response 1330241

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	14.65
80.00	13.40	12.79
0.00	0.00	0.00

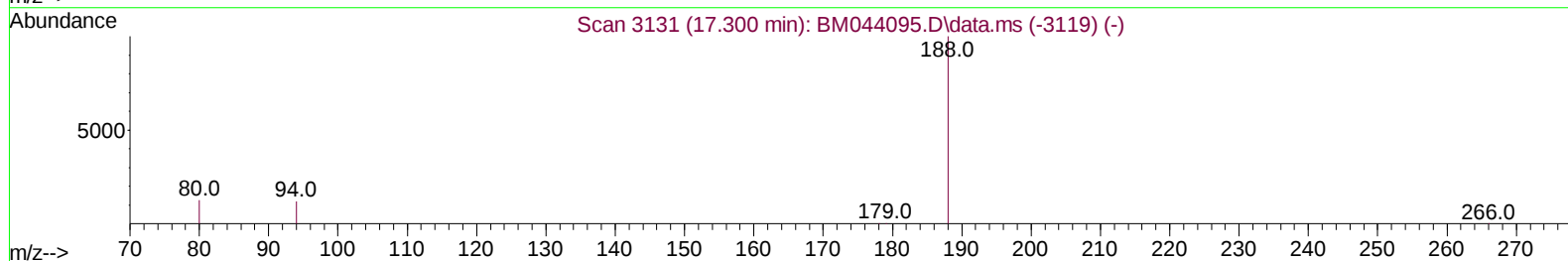
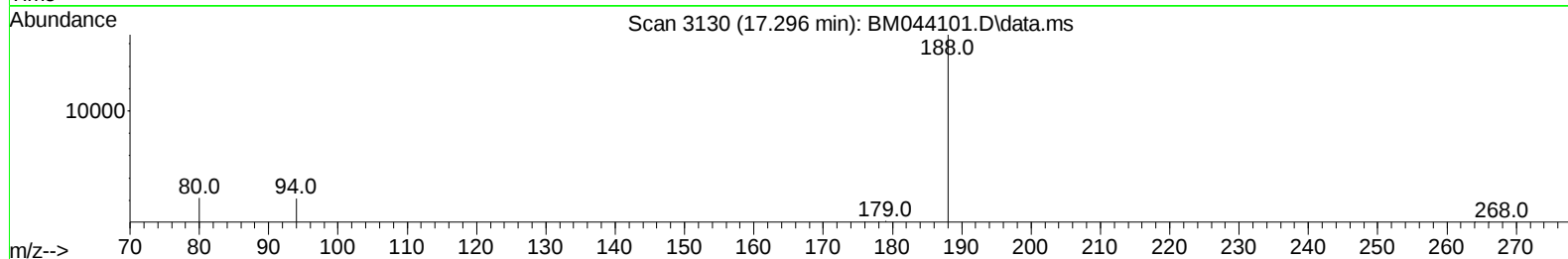
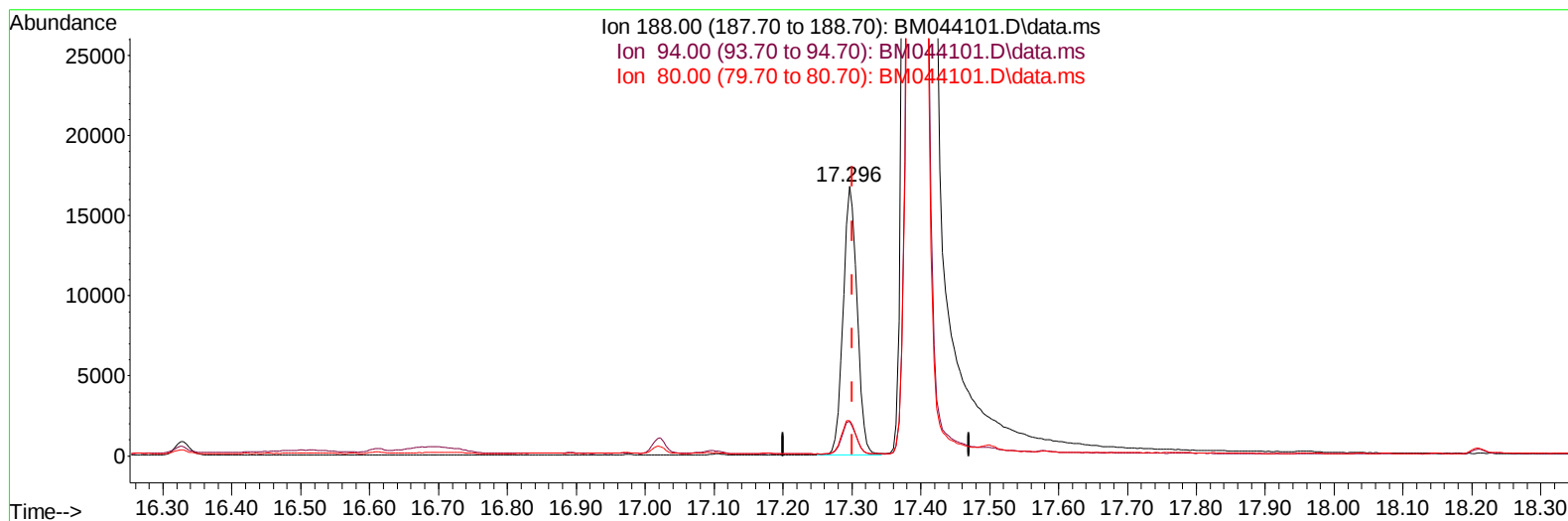
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(13) Phenanthrene-d10 (I)

17.296min (-0.004) 0.40 ng/ul m

response 23664

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.89
80.00	13.40	13.08
0.00	0.00	0.00

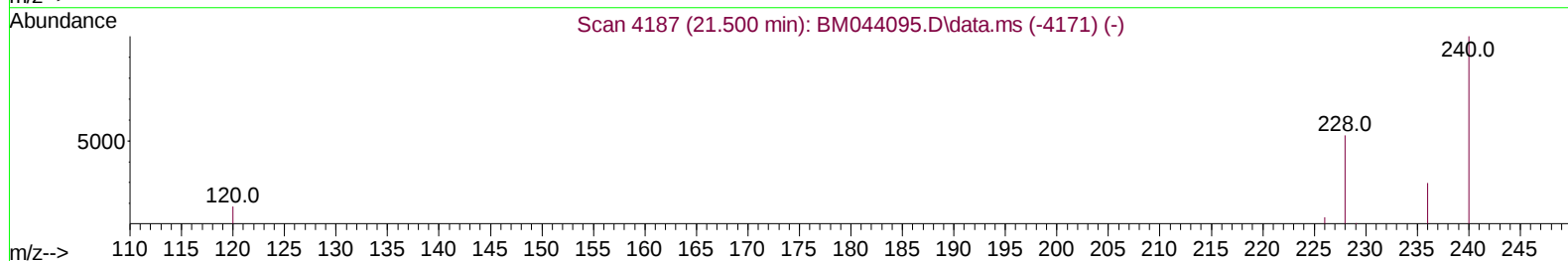
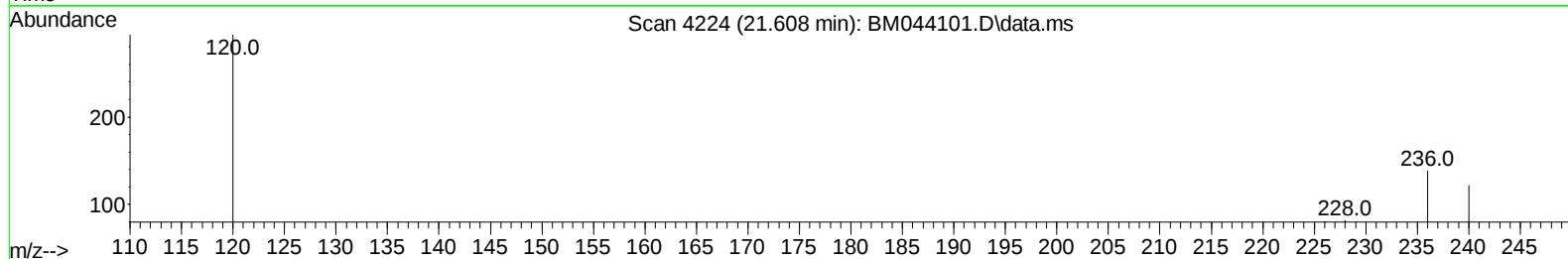
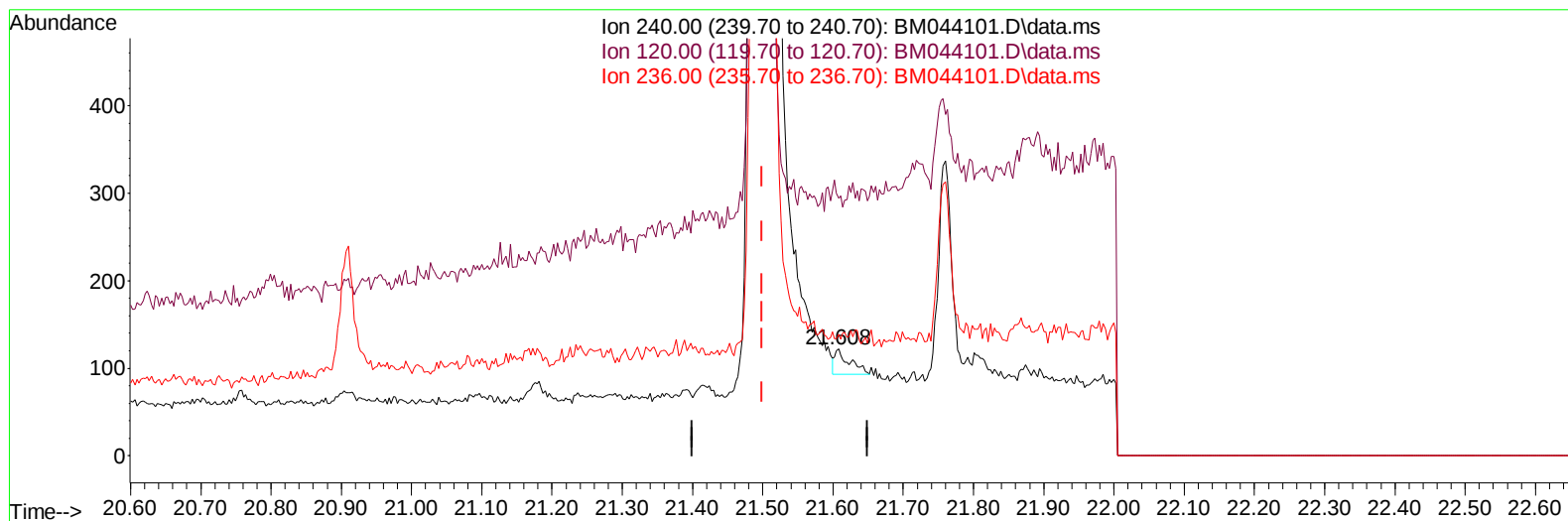
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
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Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(17) Chrysene-d12

21.608min (+ 0.108) 0.40 ng/u1

response 42

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	240.98#
236.00	30.60	113.93#
0.00	0.00	0.00

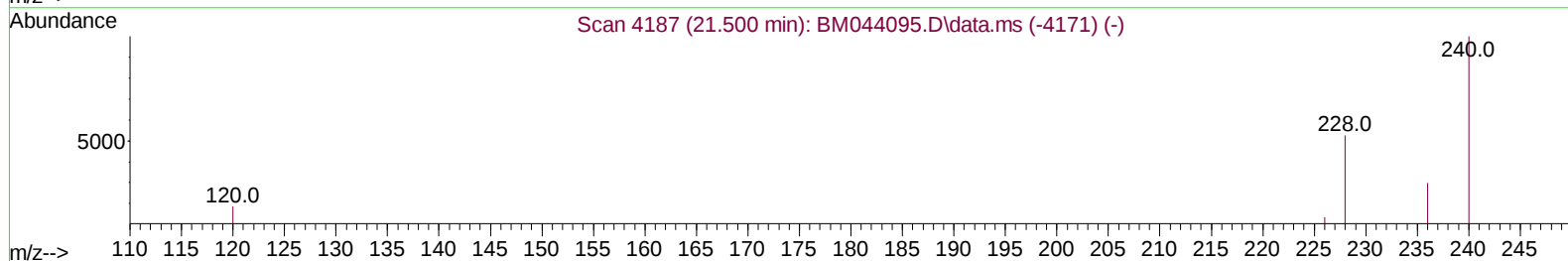
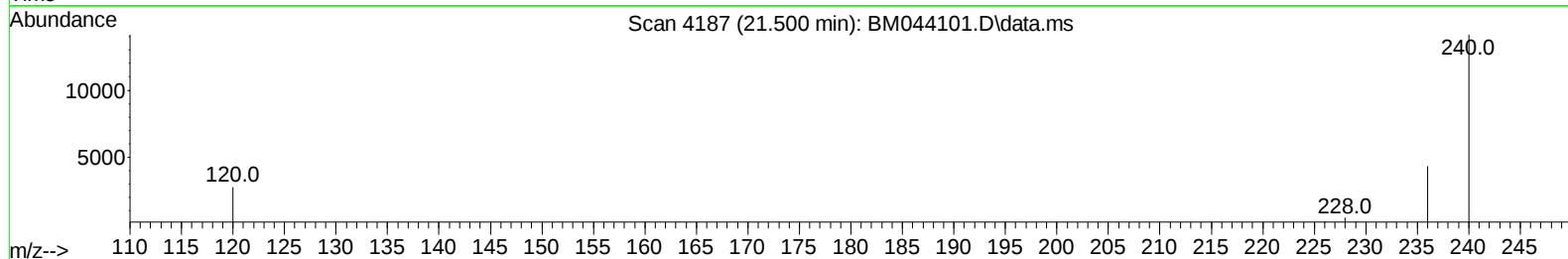
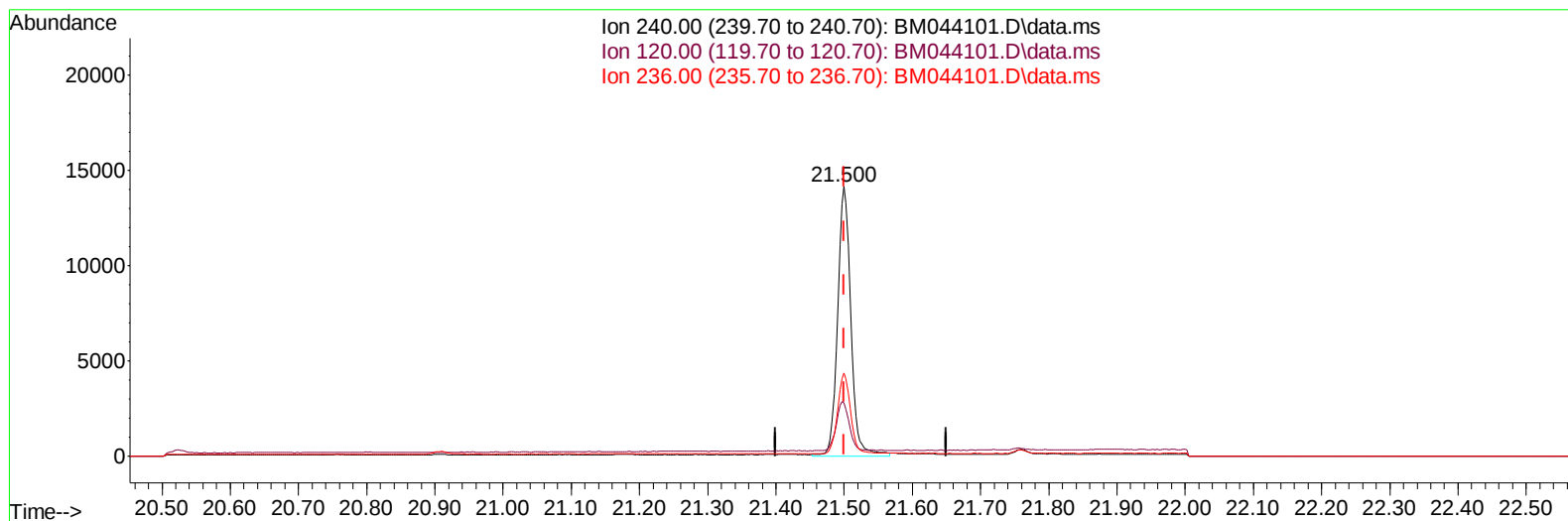
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(17) Chrysene-d12

21.500min (+ 0.000) 0.40 ng/ul m

response 19038

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	19.73
236.00	30.60	30.69
0.00	0.00	0.00

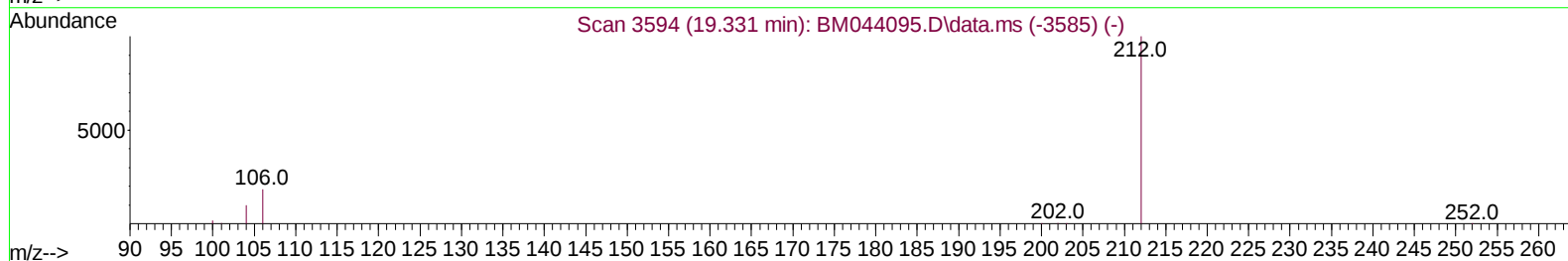
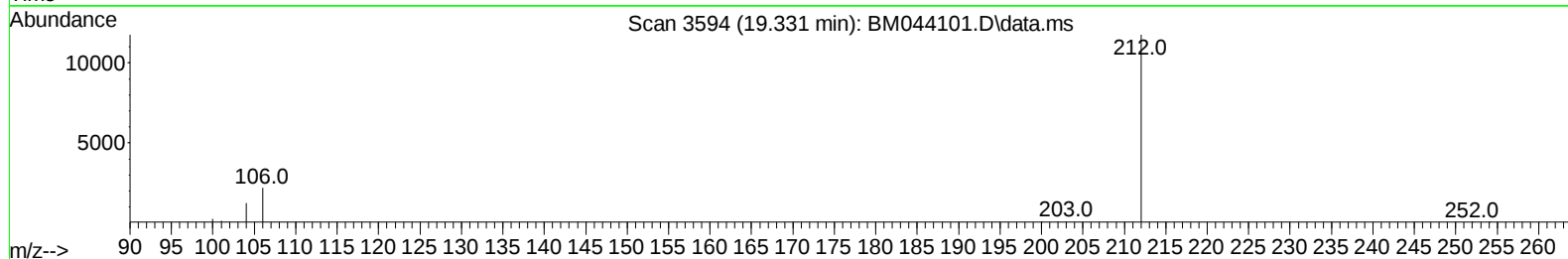
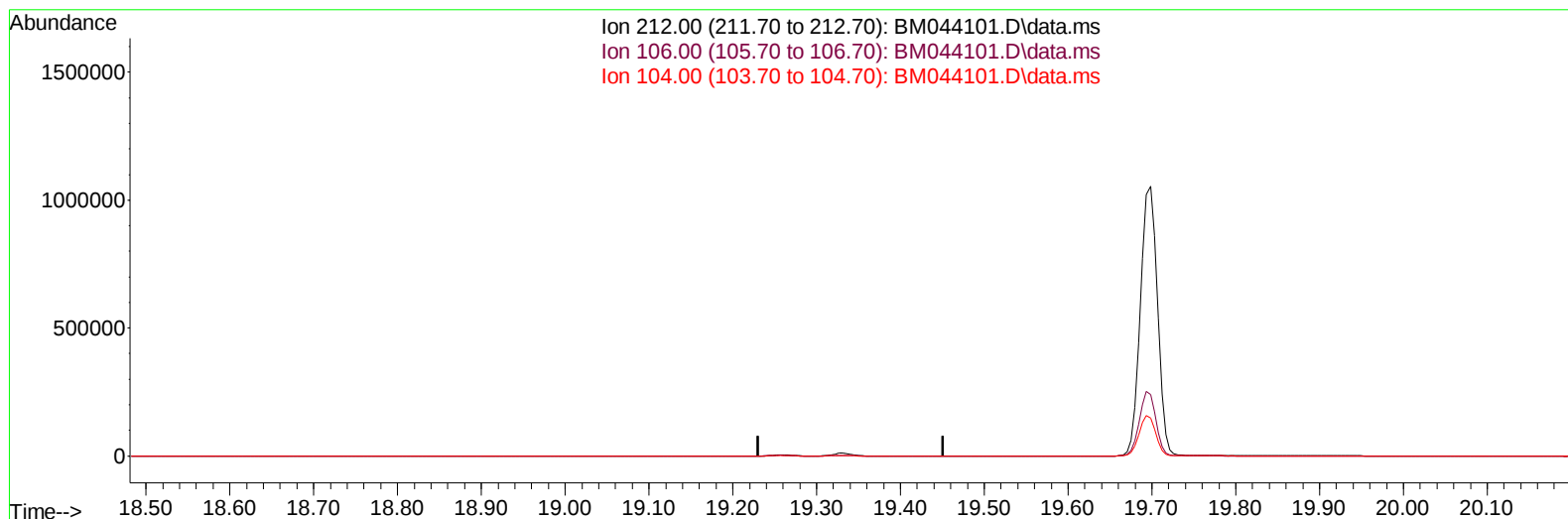
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
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TIC: BM044101.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.331min (-19.331) 0.00 ng/u1

response 0

Ion	Exp%	Act%
212.00	100.00	0.00
106.00	18.40	0.00#
104.00	10.10	0.00#
0.00	0.00	0.00

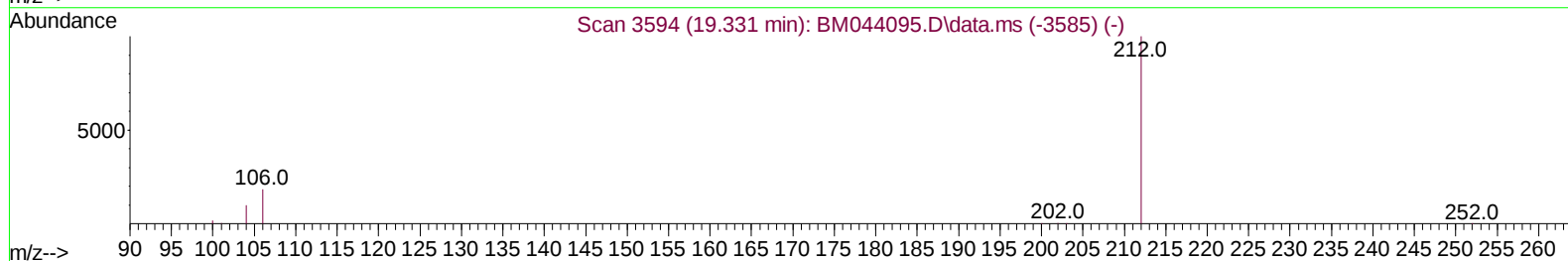
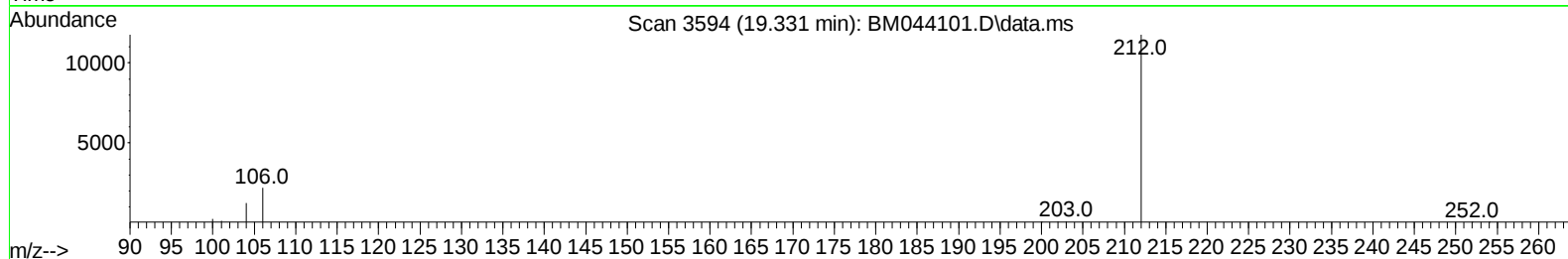
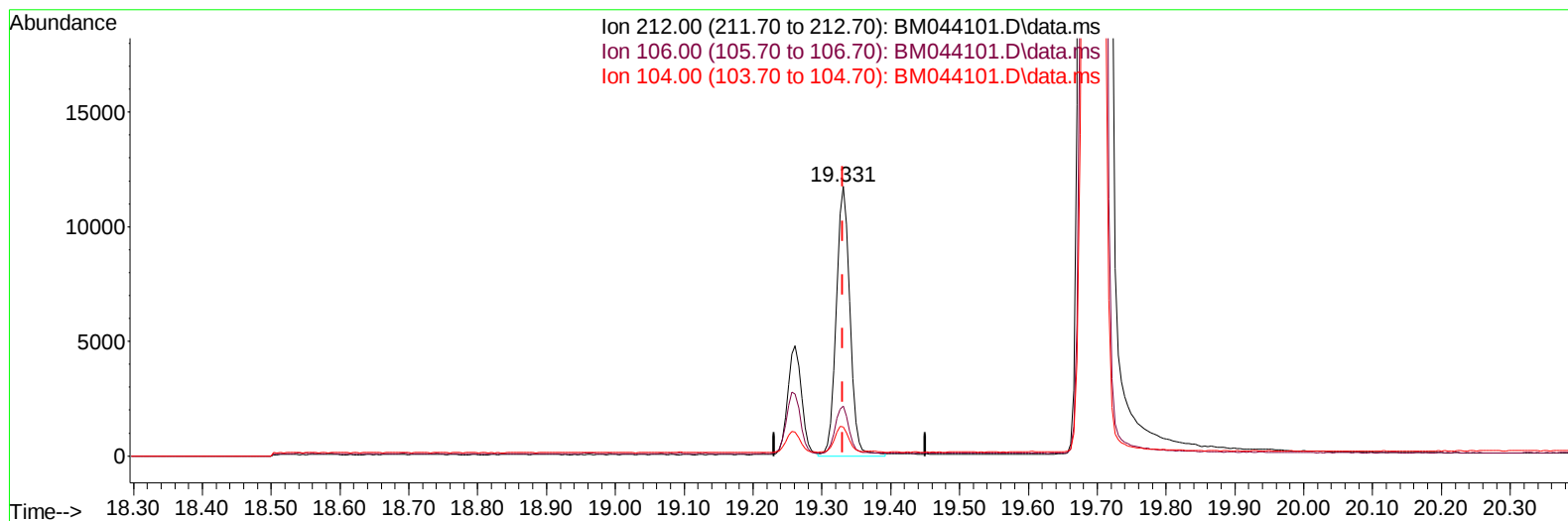
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.331min (+ 0.000) 0.29 ng/ul m

response 16429

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	18.40	0.00#
104.00	10.10	0.00#
0.00	0.00	0.00

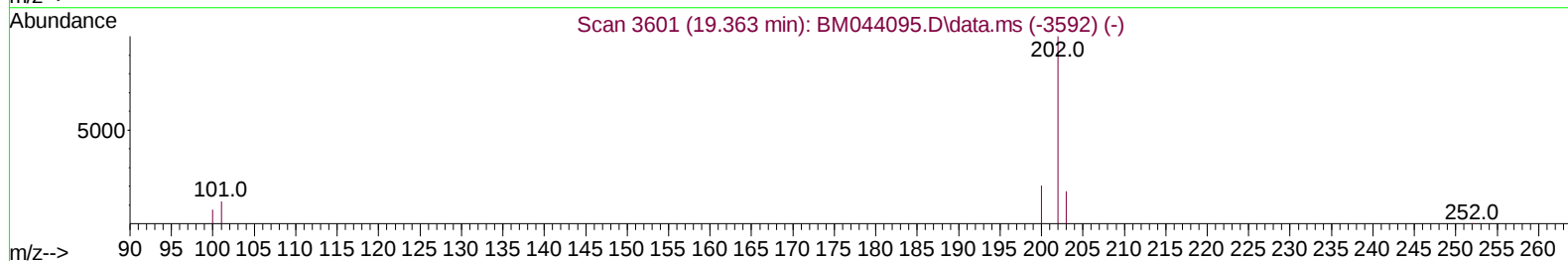
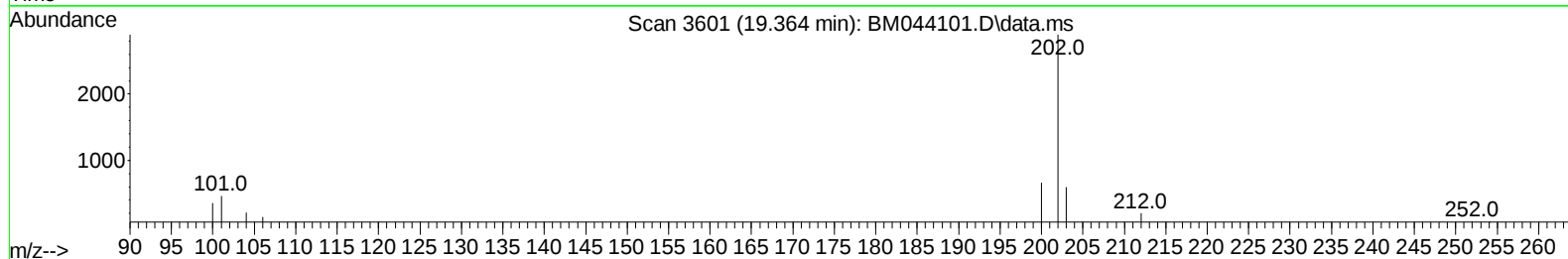
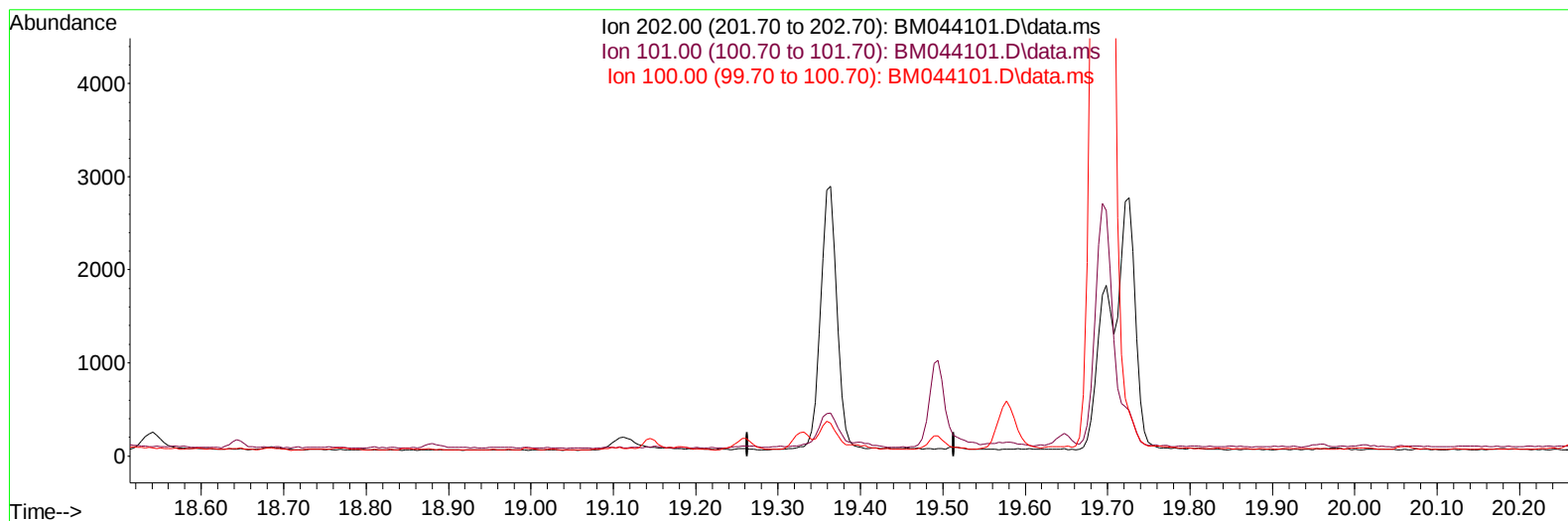
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
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Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(19) Fluoranthene (C)

19.363min (-19.363) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	12.20	0.00#
100.00	8.70	0.00#
0.00	0.00	0.00

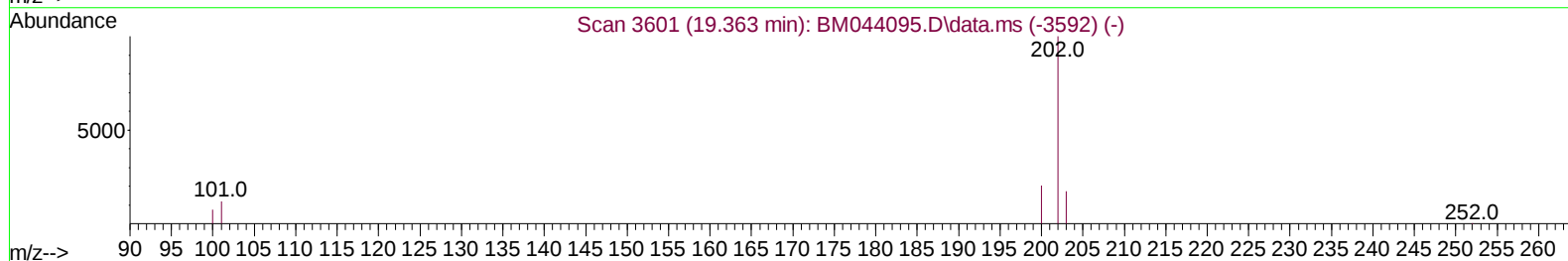
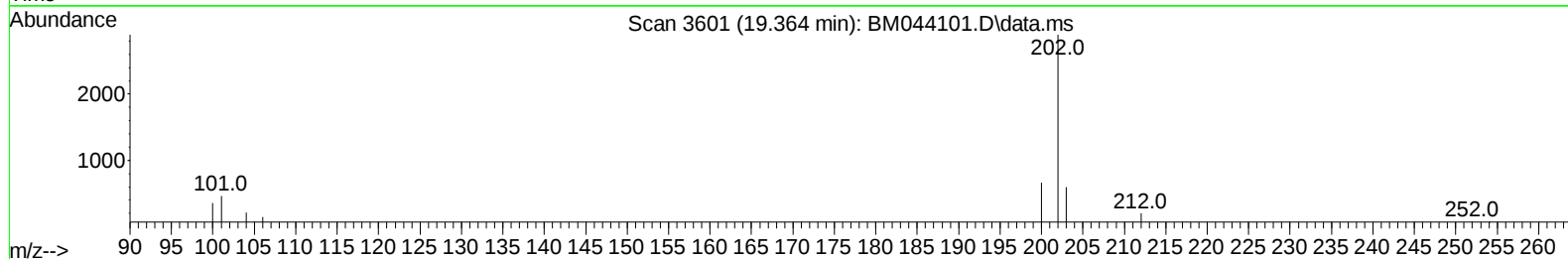
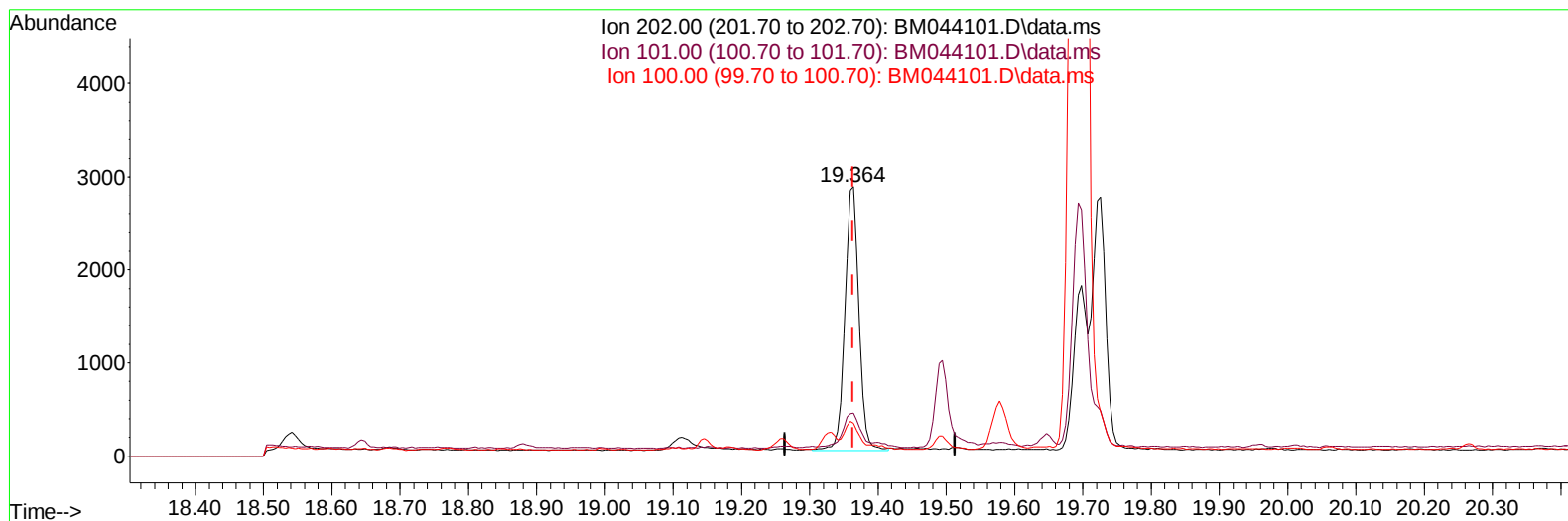
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(19) Fluoranthene (C)

19.364min (+ 0.000) 0.05 ng/ul m

response 4029

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.20	16.00#
100.00	8.70	12.16#
0.00	0.00	0.00

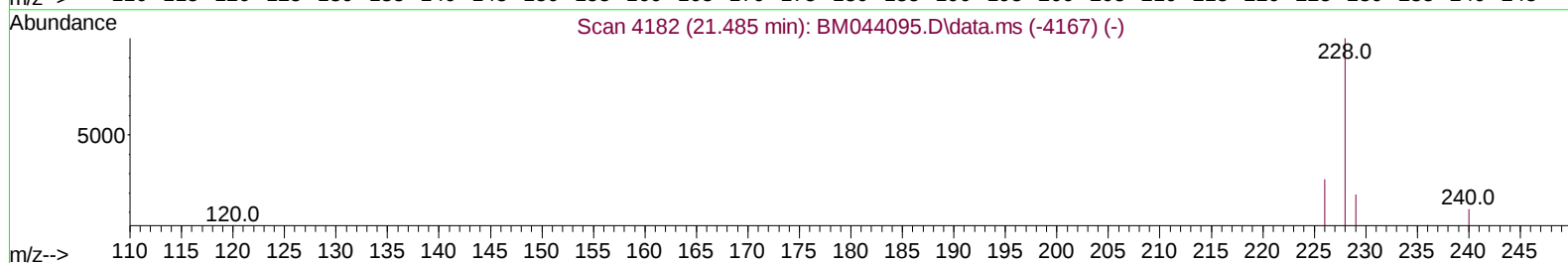
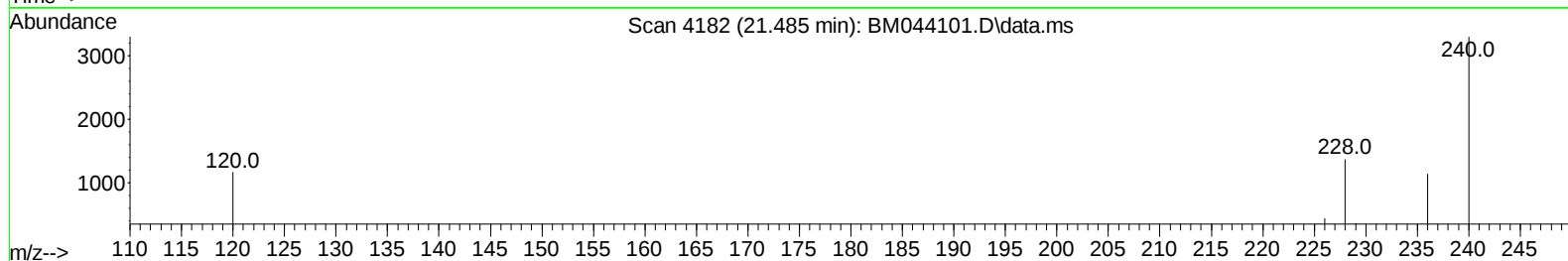
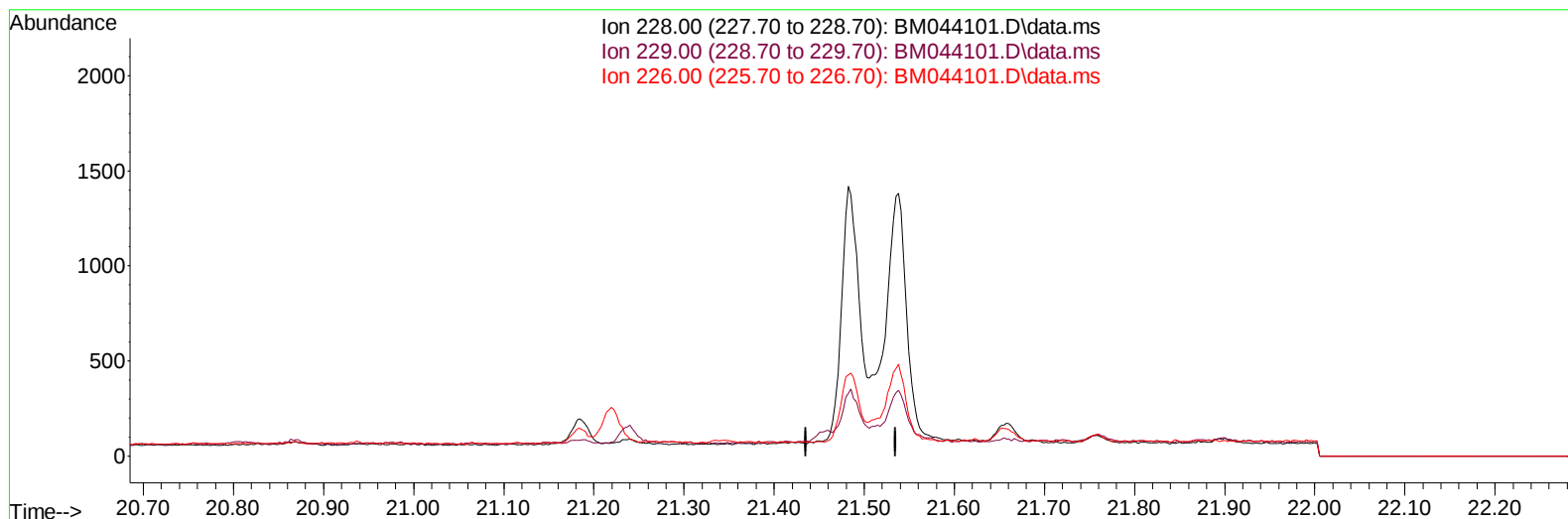
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
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TIC: BM044101.D\data.ms

(21) Benzo(a)anthracene

21.485min (-21.485) 0.00 ng/u1

response 0

Ion	Exp%	Act%
228.00	100.00	0.00
229.00	19.30	0.00#
226.00	27.60	0.00#
0.00	0.00	0.00

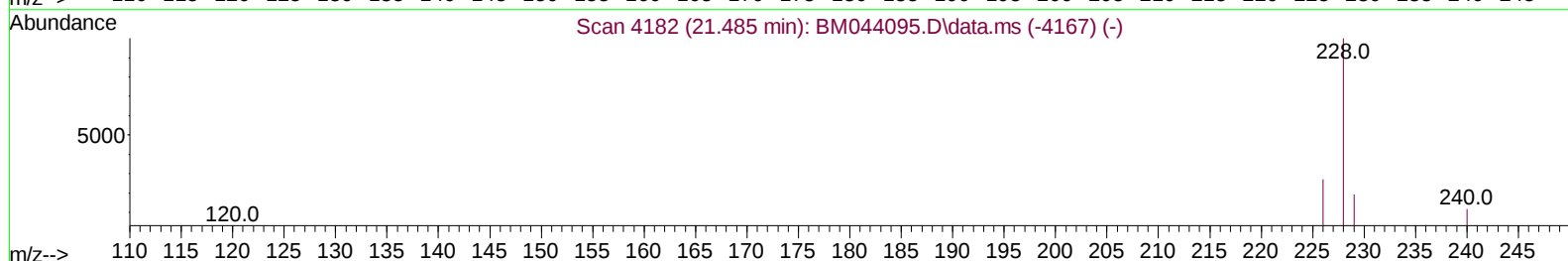
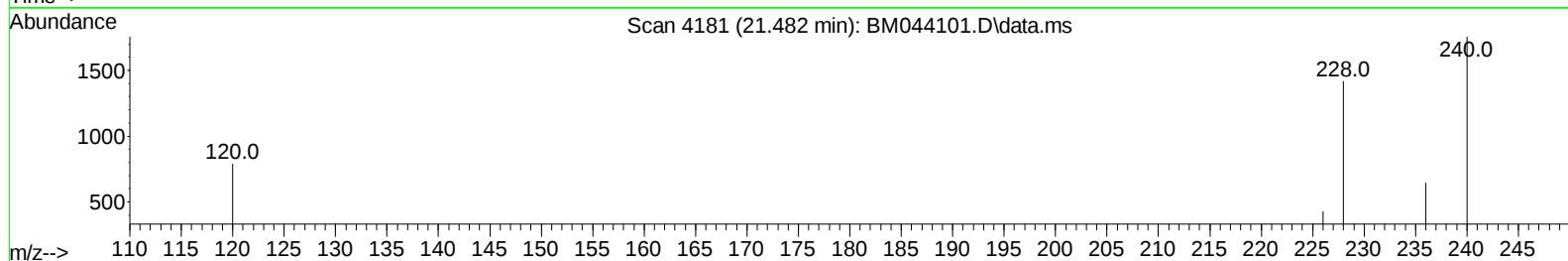
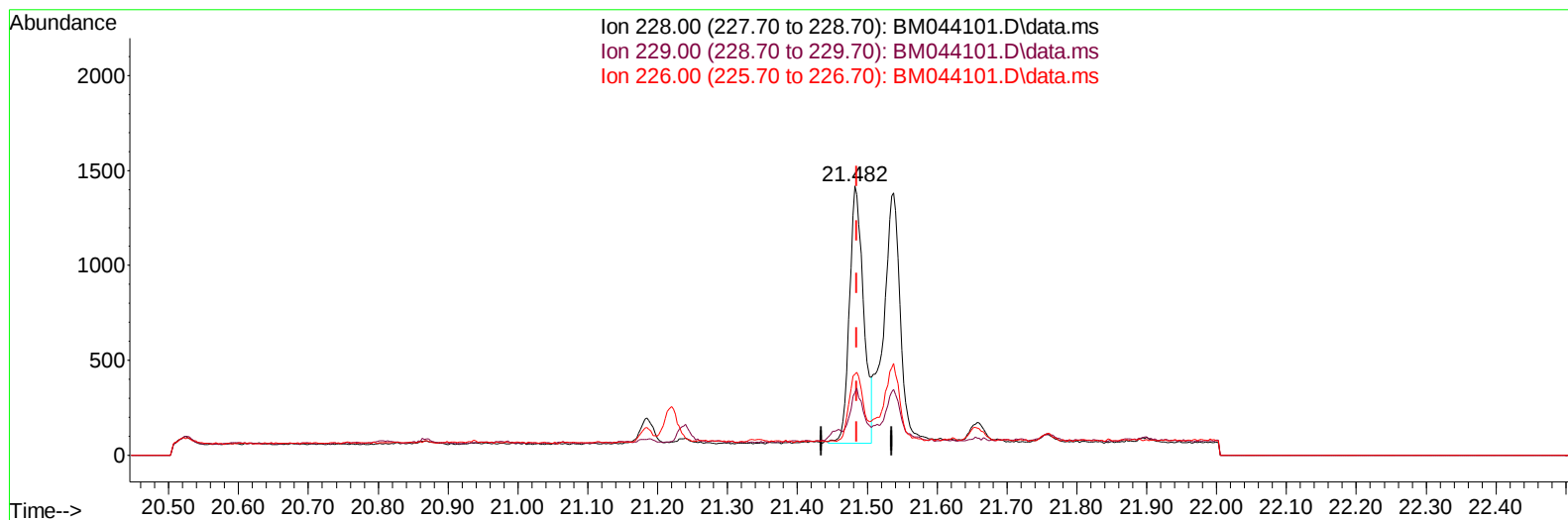
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
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Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(21) Benzo(a)anthracene

21.482min (-0.003) 0.02 ng/u1 m

response 1911

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.30	23.34#
226.00	27.60	30.11
0.00	0.00	0.00

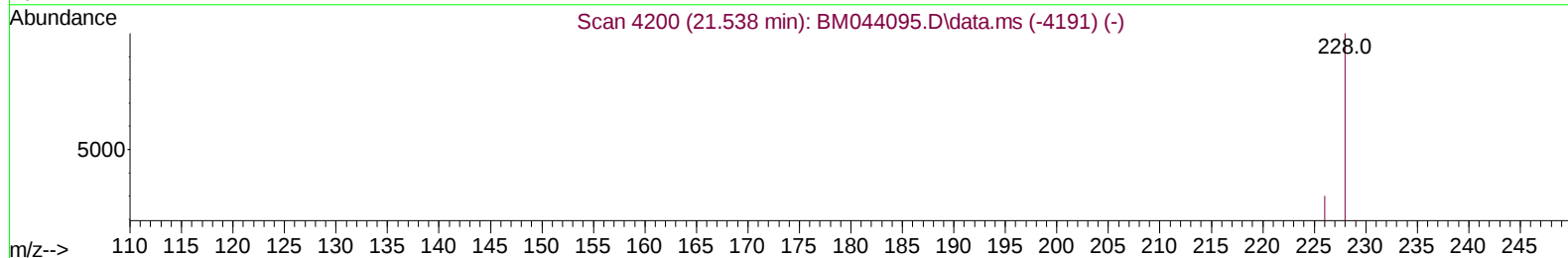
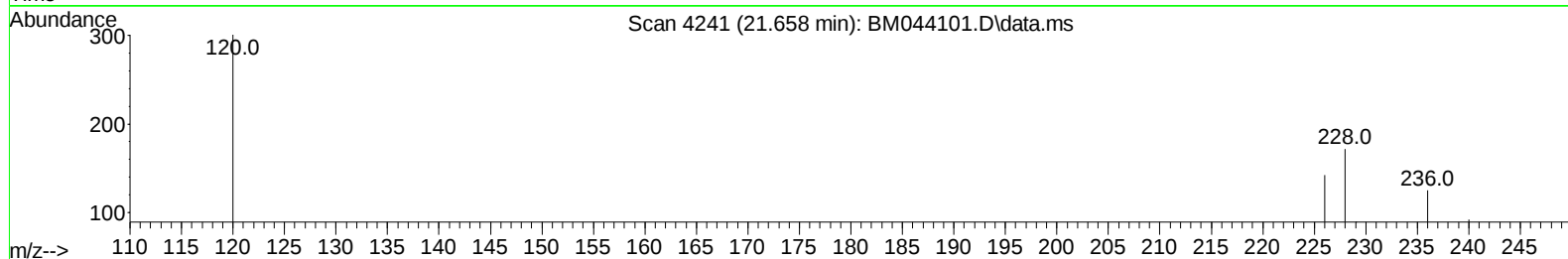
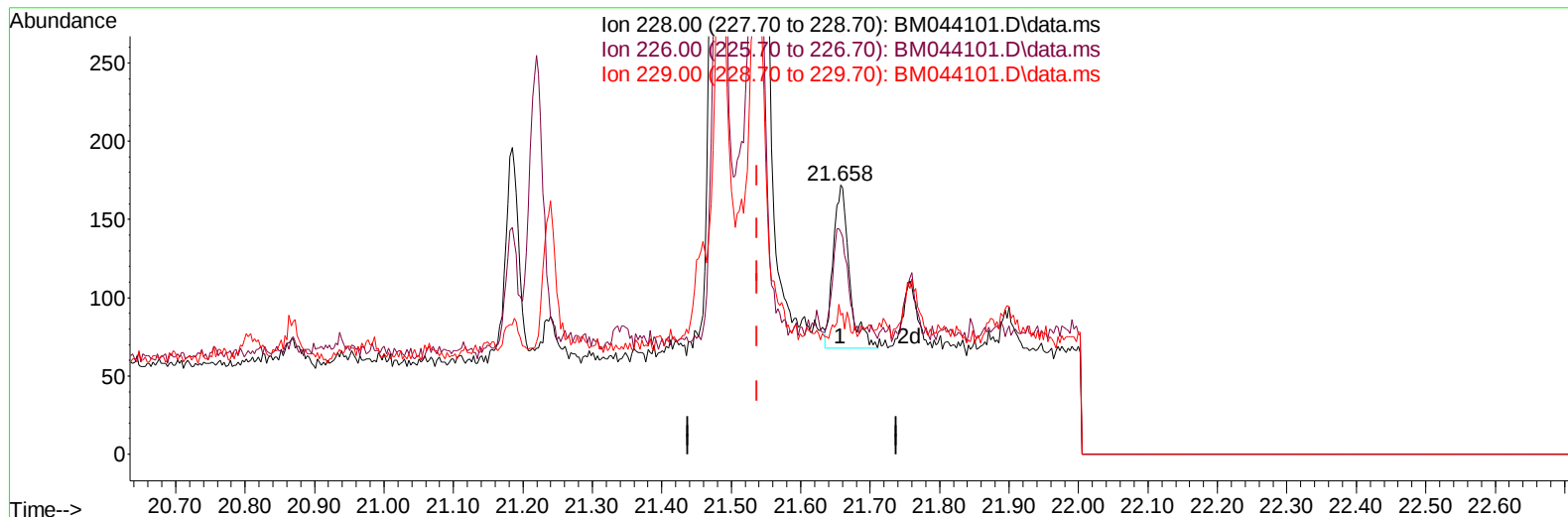
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
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Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(22) Chrysene

21.658min (+ 0.120) 0.00 ng/u1

response 167

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.20	82.56#
229.00	19.70	51.74#
0.00	0.00	0.00

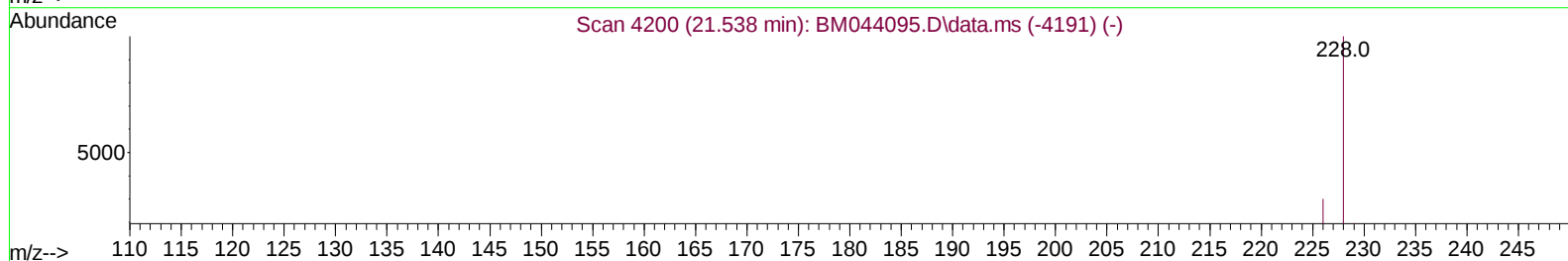
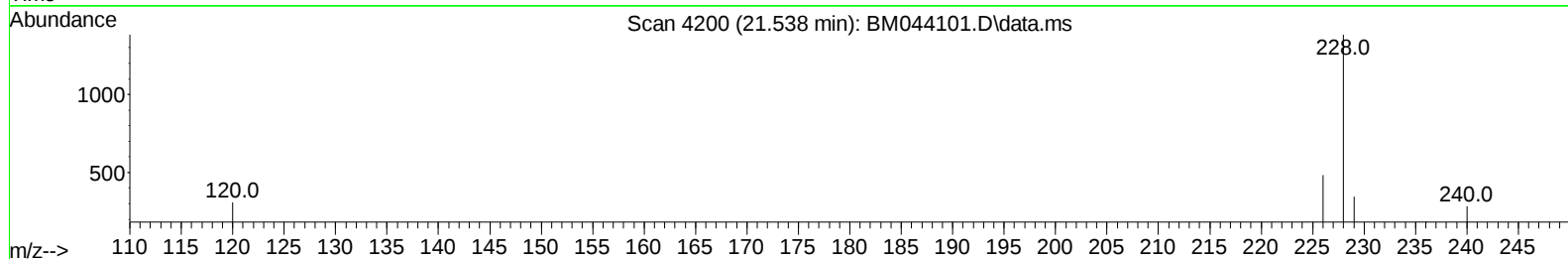
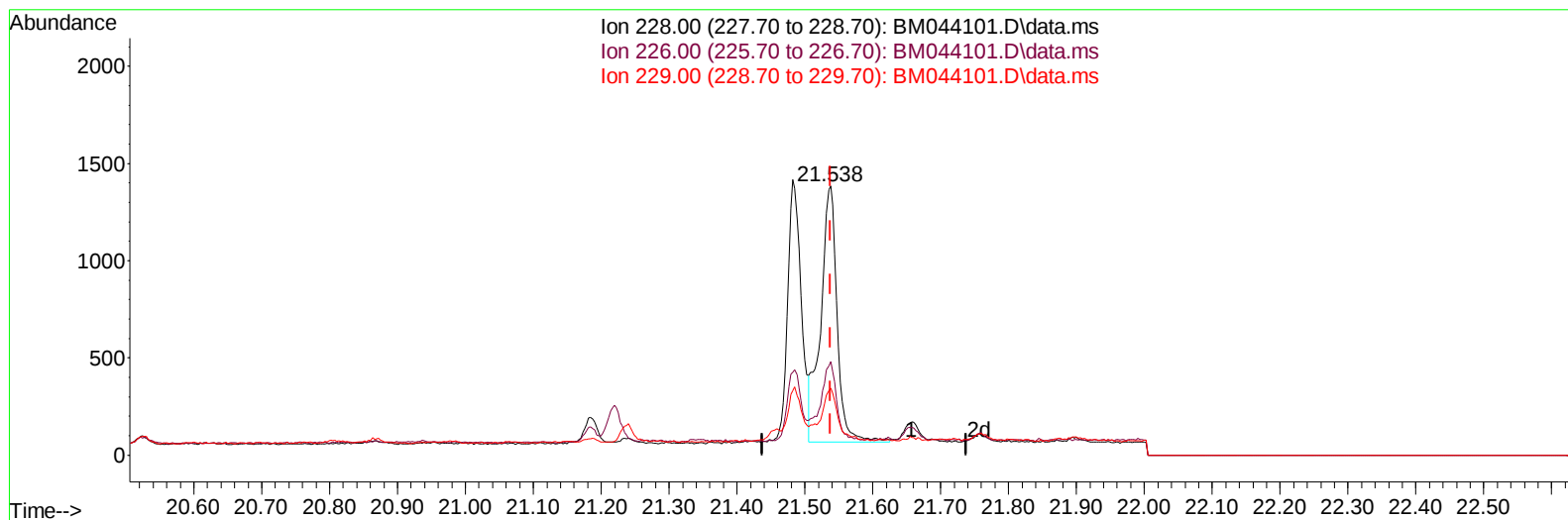
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
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Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(22) Chrysene

21.538min (+ 0.000) 0.02 ng/u1 m

response 2215

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.20	34.92
229.00	19.70	24.95#
0.00	0.00	0.00

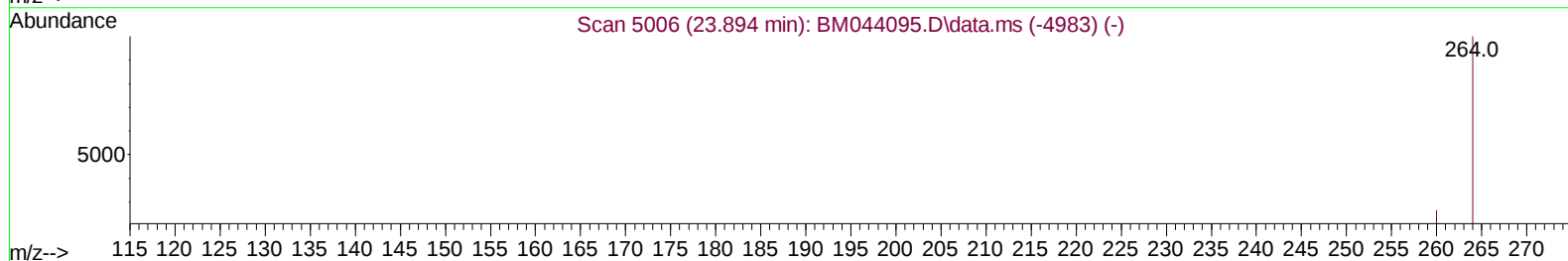
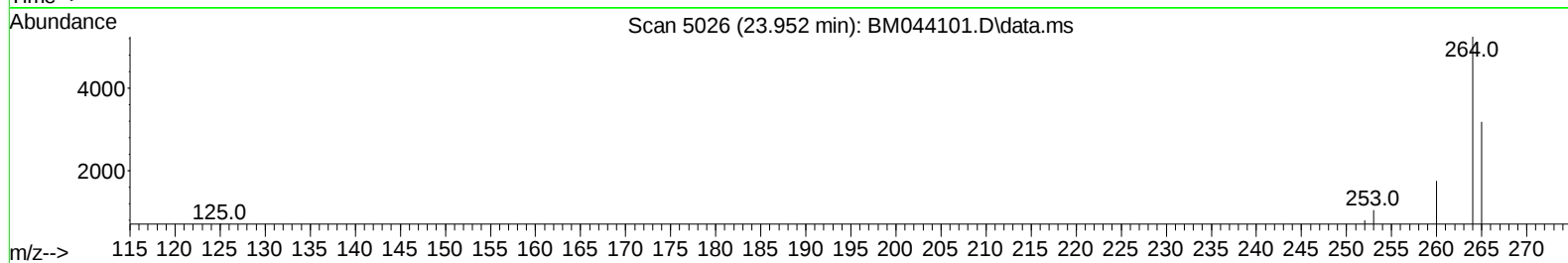
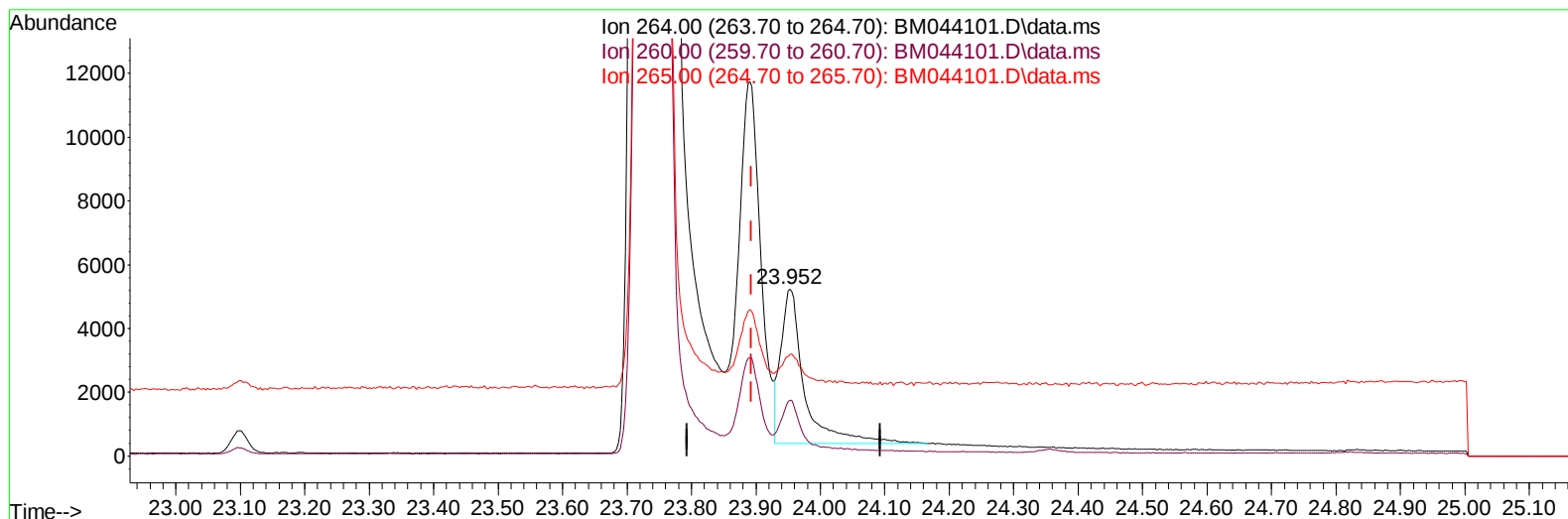
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
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Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(23) Perylene-d12 (I)

23.952min (+ 0.059) 0.40 ng/u1

response 12573

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.00	33.33#
265.00	45.40	60.60#
0.00	0.00	0.00

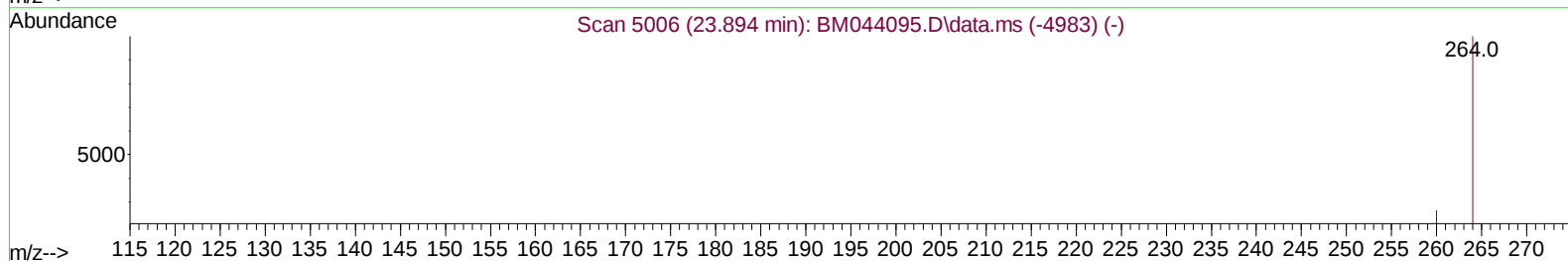
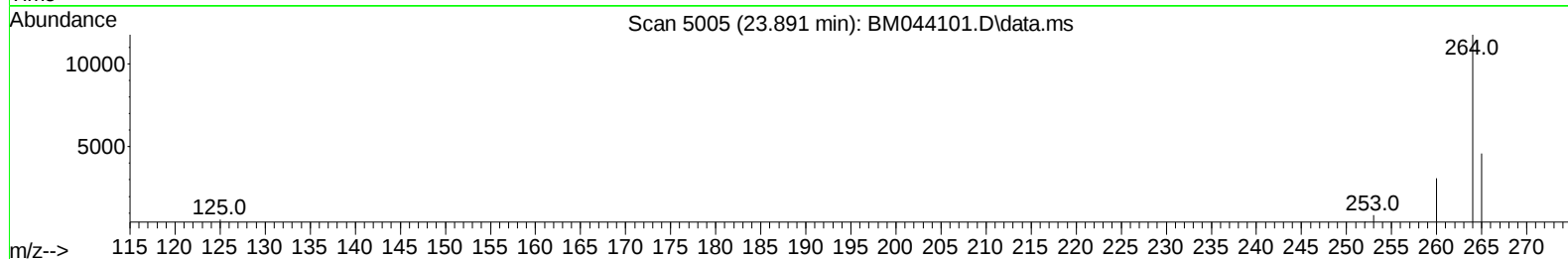
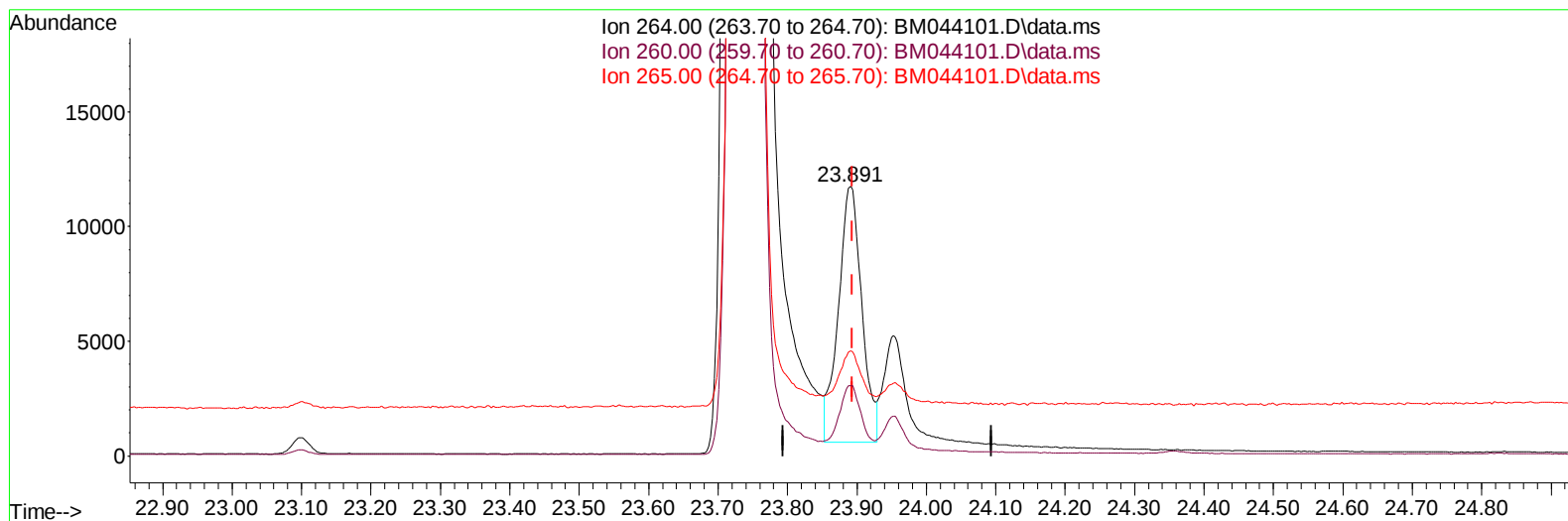
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

Quant Time: Feb 15 15:44:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044101.D\data.ms

(23) Perylene-d12 (I)

23.891min (-0.003) 0.40 ng/ul m

response 26203

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.00	26.18
265.00	45.40	39.15
0.00	0.00	0.00

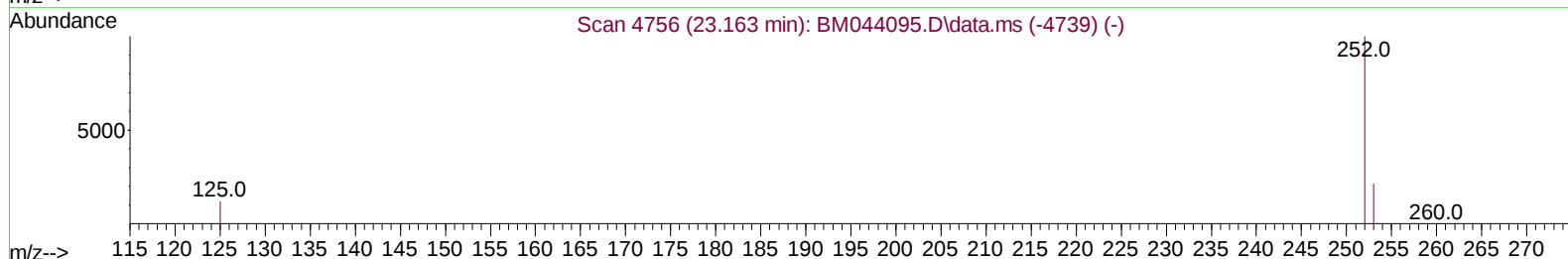
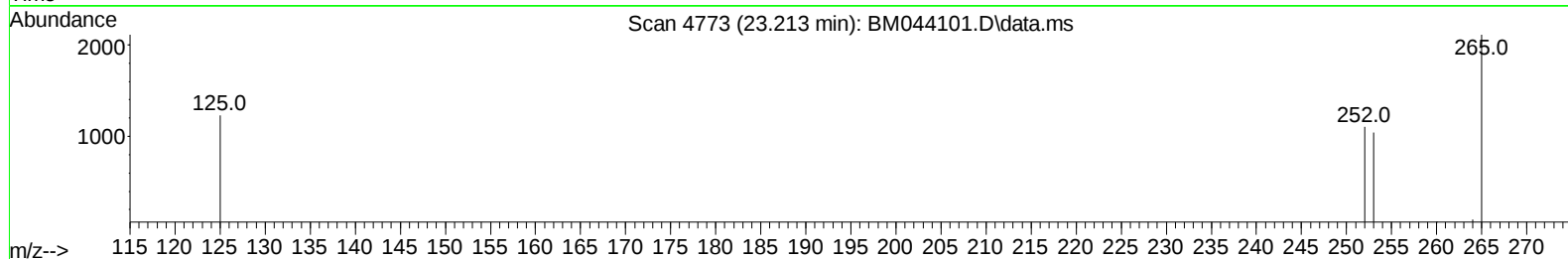
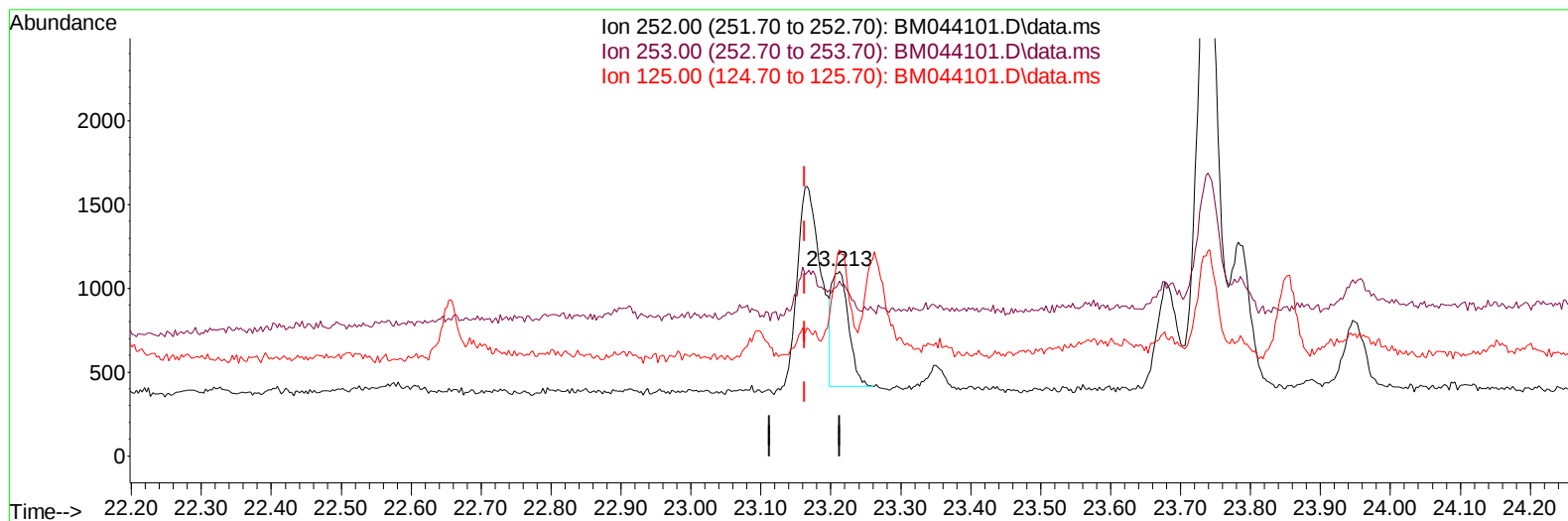
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM044101.D\data.ms

(24) Benzo(b)fluoranthene

23.213min (+ 0.050) 0.01 ng/u1

response 1148

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	94.65#
125.00	14.10	111.71#
0.00	0.00	0.00

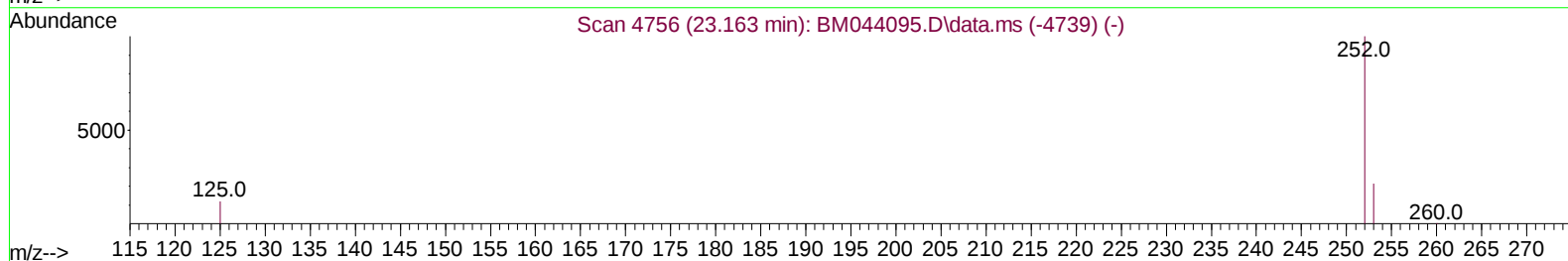
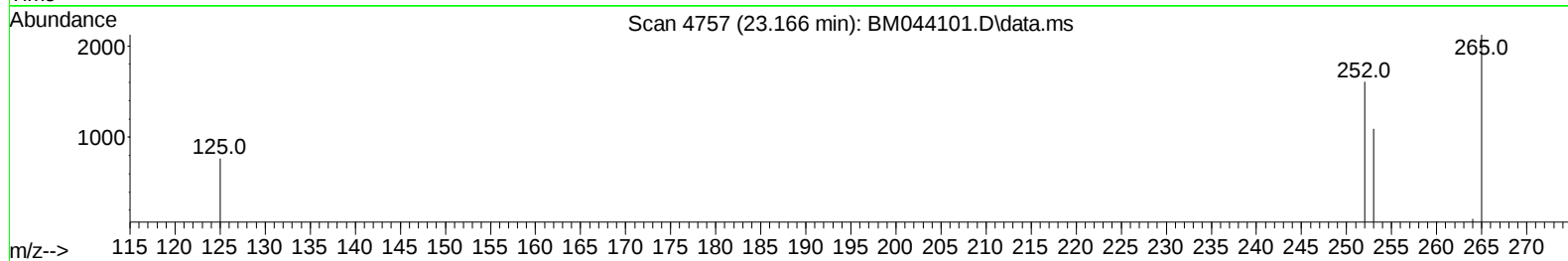
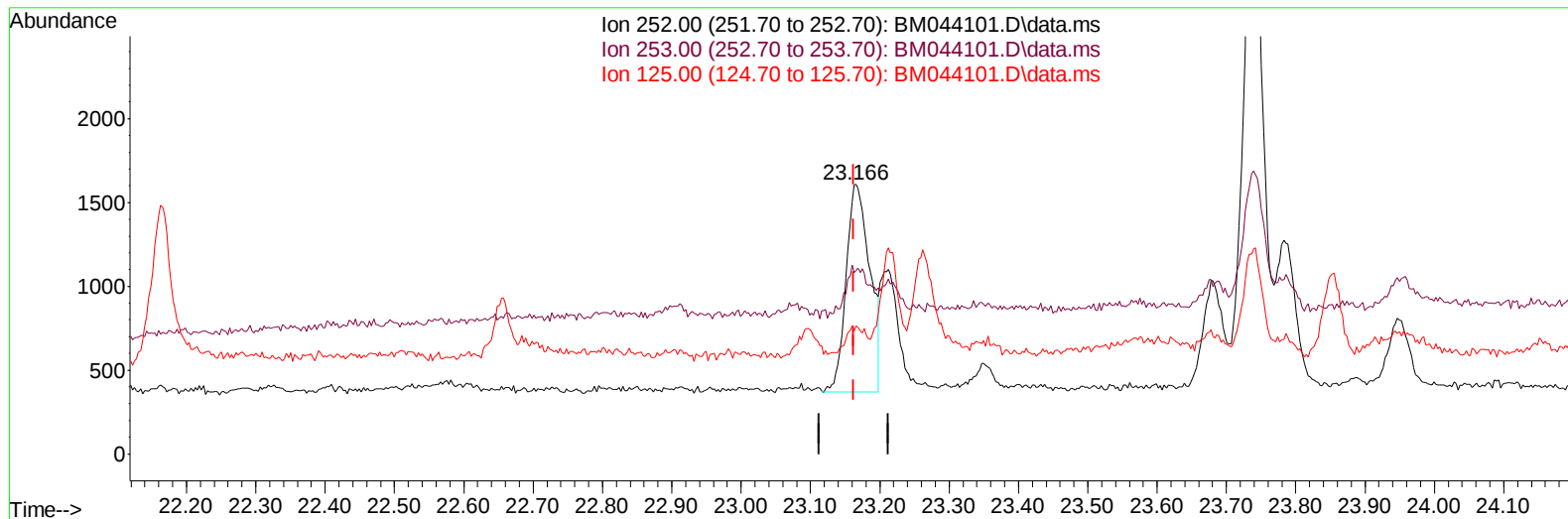
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044101.D
Acq On : 15 Feb 2024 14:54
Operator : MA/JU
Sample : P1329-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK8

Manual IntegrationsAPPROVED

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TIC: BM044101.D\data.ms

(24) Benzo(b)fluoranthene

23.166min (+ 0.003) 0.03 ng/u1 m

response 2960

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	67.97#
125.00	14.10	47.45#
0.00	0.00	0.00

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 Data File : BM044101.D
 Acq On : 15 Feb 2024 14:54
 Operator : MA/JU
 Sample : P1329-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FK8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 15 15:44:27 2024
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 QLast Update : Thu Feb 15 13:40:24 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.905	152		5781	0.400	ng/ul	0.00
4) Naphthalene-d8	10.705	136		19462	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164		10396	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.296	188		23664m	0.400	ng/ul	0.00
17) Chrysene-d12	21.500	240		19038m	0.400	ng/ul	0.00
23) Perylene-d12	23.891	264		26203m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.352	96		35543	4.342	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152		7306	0.268	ng/ul	0.00
18) Fluoranthene-d10	19.331	212		16429m	0.289	ng/ul	0.00
Target Compounds							Qvalue
14) Pentachlorophenol	16.942	266		368	0.043	ng/ul	96
19) Fluoranthene	19.364	202		4029m	0.046	ng/ul	
20) Pyrene	19.726	202		3646	0.040	ng/ul#	88
21) Benzo(a)anthracene	21.482	228		1911m	0.022	ng/ul	
22) Chrysene	21.538	228		2215m	0.024	ng/ul	
24) Benzo(b)fluoranthene	23.166	252		2960m	0.027	ng/ul	

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

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