

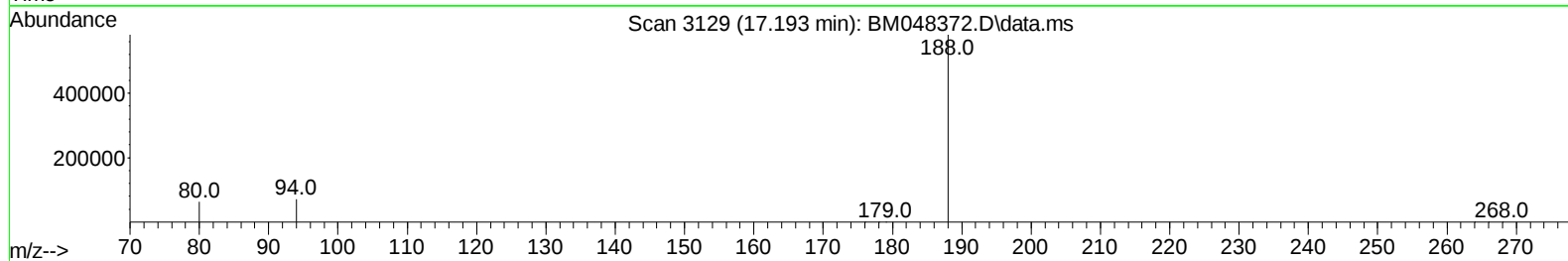
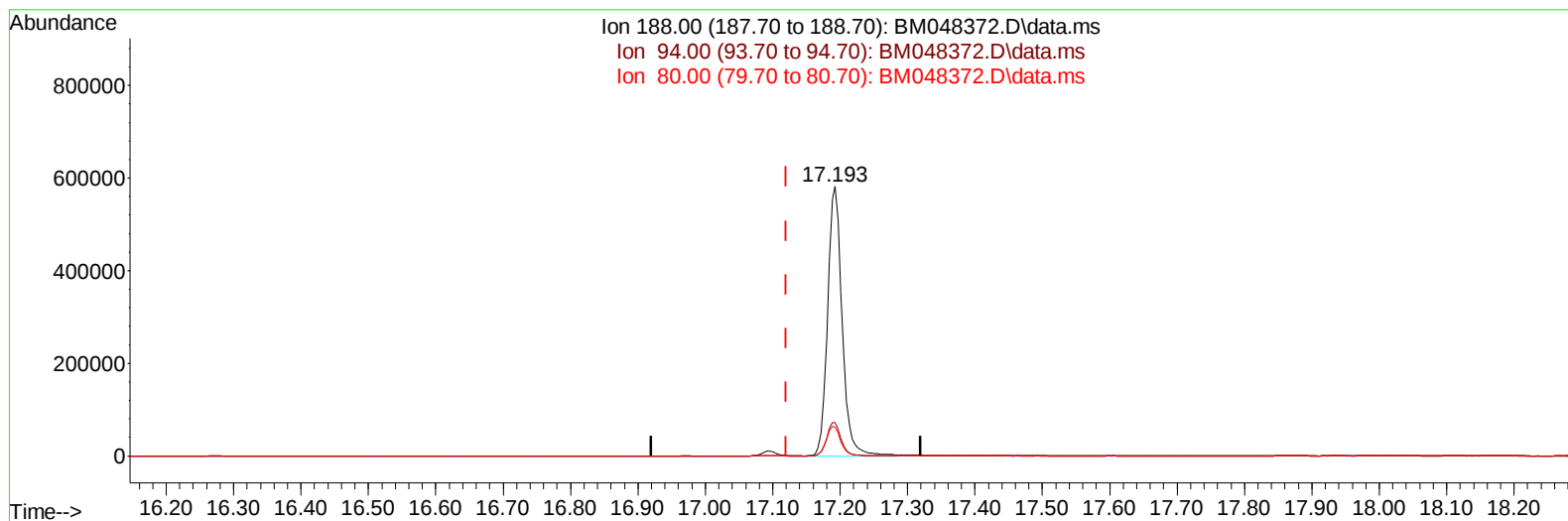
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(13) Phenanthrene-d10 (I)

17.193min (+ 0.073) 0.40 ng/u1

response 863240

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	12.39
80.00	12.10	10.76
0.00	0.00	0.00

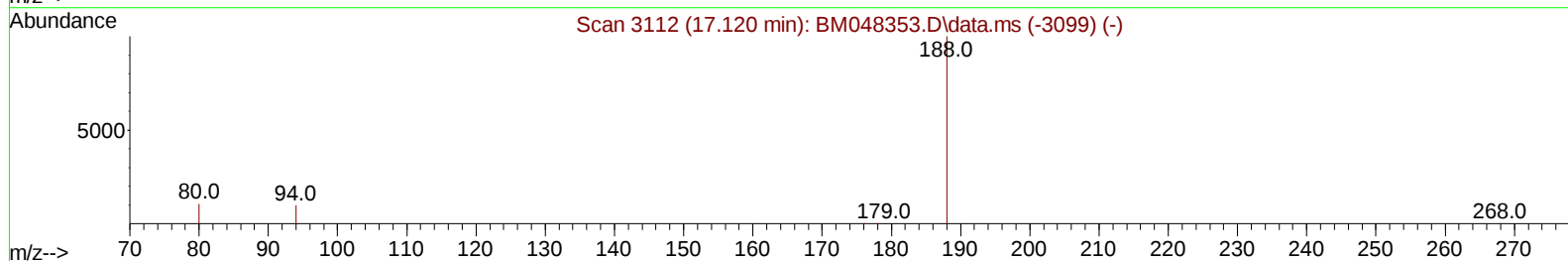
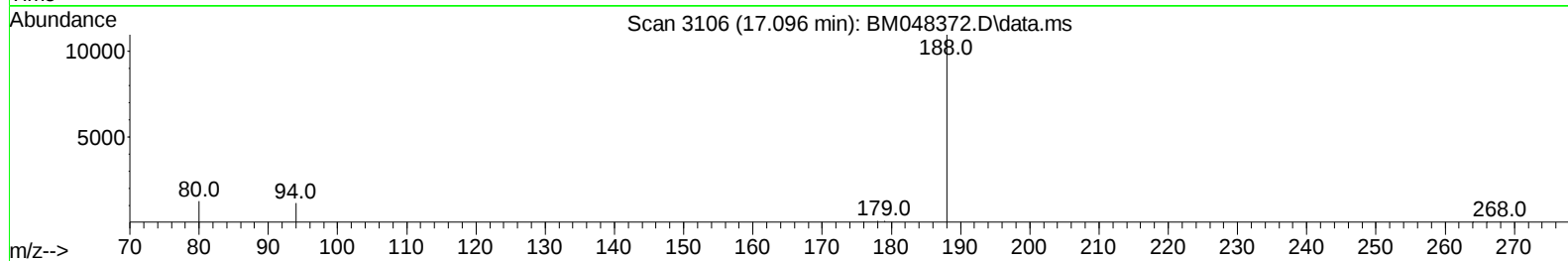
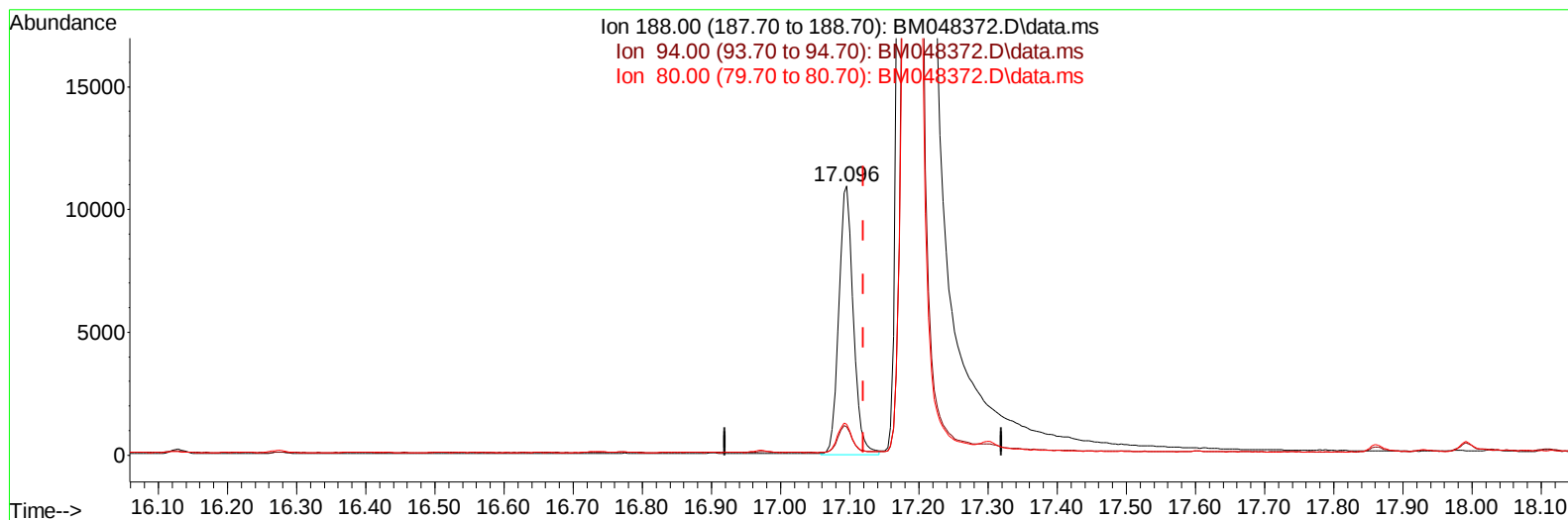
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(13) Phenanthrene-d10 (I)

17.096min (-0.025) 0.40 ng/ul m

response 15871

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	10.48
80.00	12.10	11.50
0.00	0.00	0.00

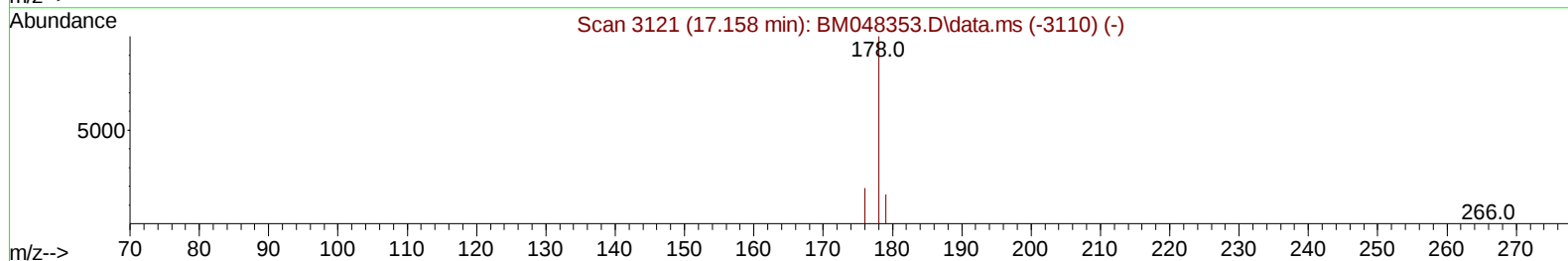
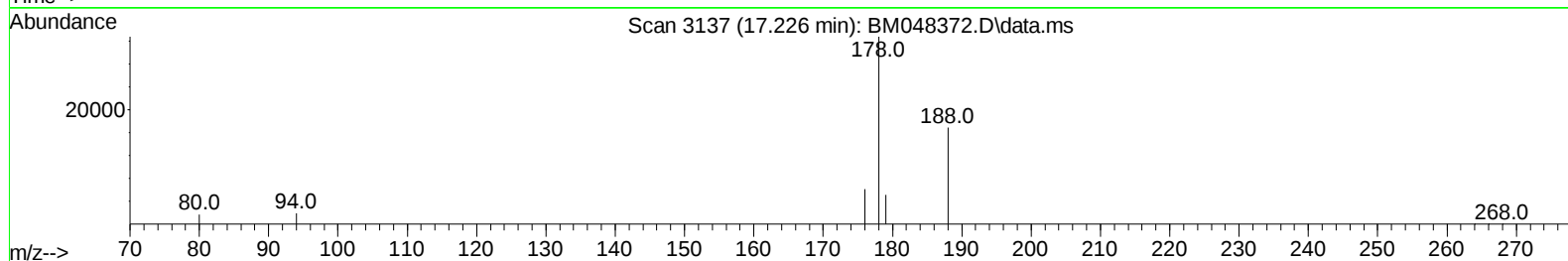
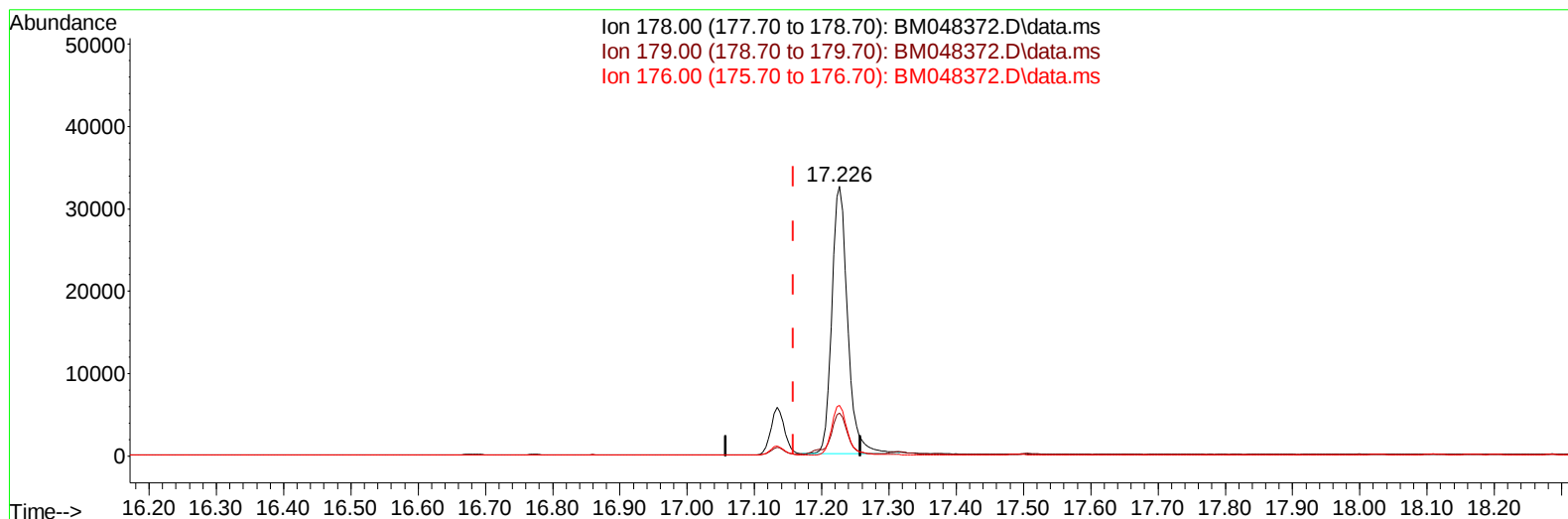
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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TIC: BM048372.D\data.ms

(15) Phenanthrene

17.226min (+ 0.068) 1.35 ng/u1

response 53261

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	15.89
176.00	20.00	18.70
0.00	0.00	0.00

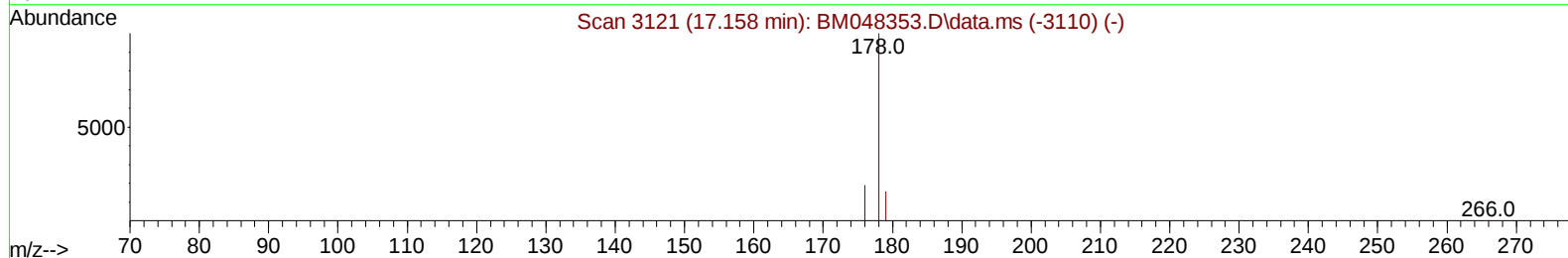
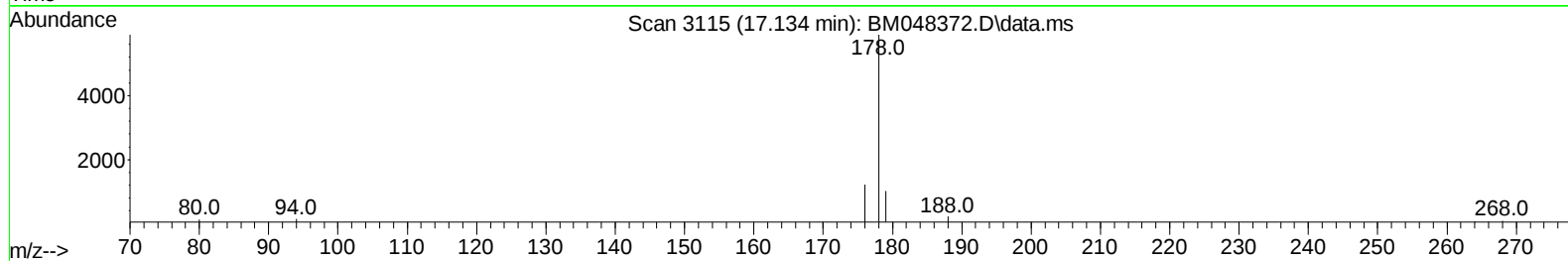
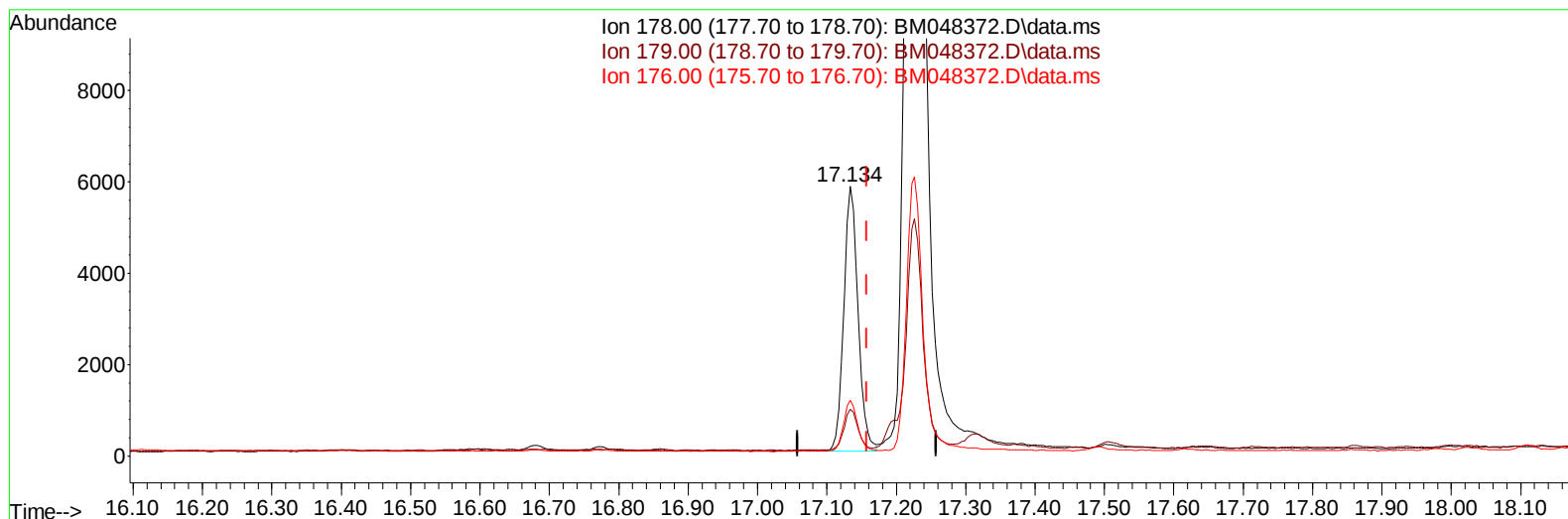
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
 Data File : BM048372.D
 Acq On : 01 Nov 2024 00:27
 Operator : RC/JU
 Sample : P4530-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H39

Manual IntegrationsAPPROVED

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 31 14:58:12 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(15) Phenanthrene

17.134min (-0.025) 0.21 ng/ul m

response 8286

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	17.30
176.00	20.00	20.56
0.00	0.00	0.00

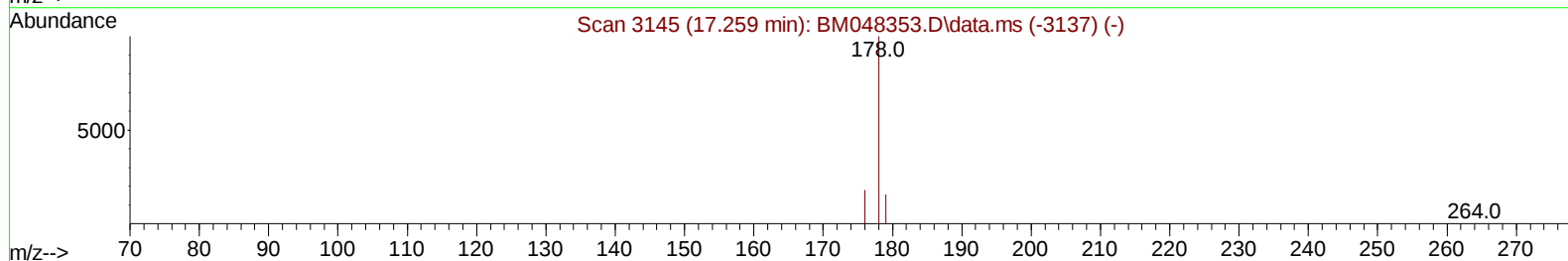
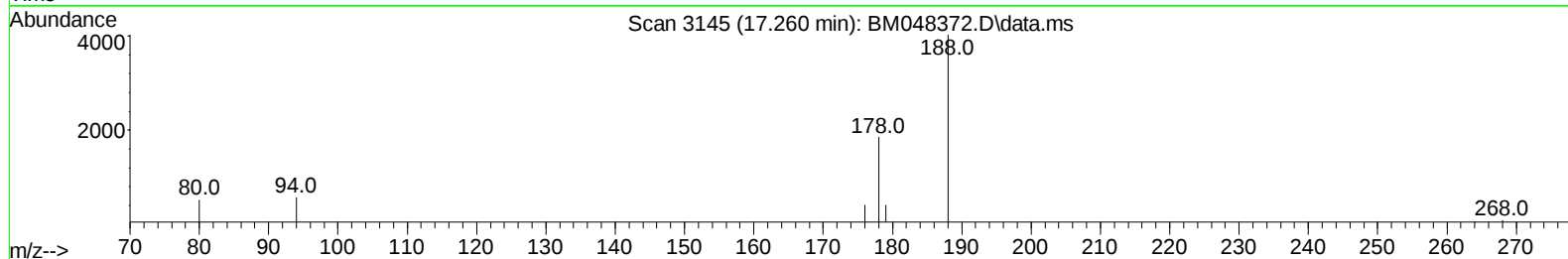
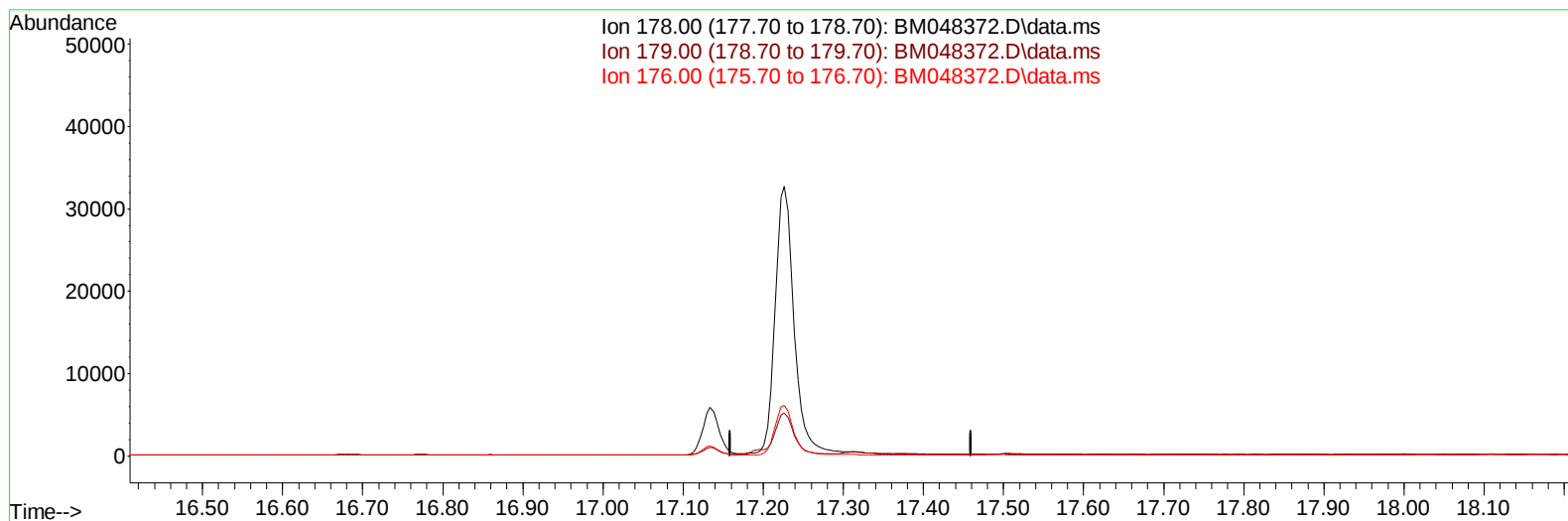
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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TIC: BM048372.D\data.ms

(16) Anthracene

17.259min (-17.259) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	17.70	0.00#
176.00	19.70	0.00#
0.00	0.00	0.00

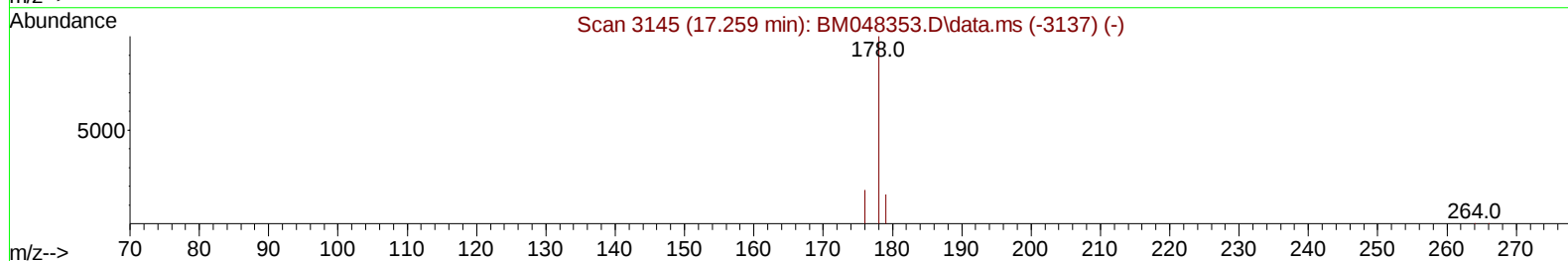
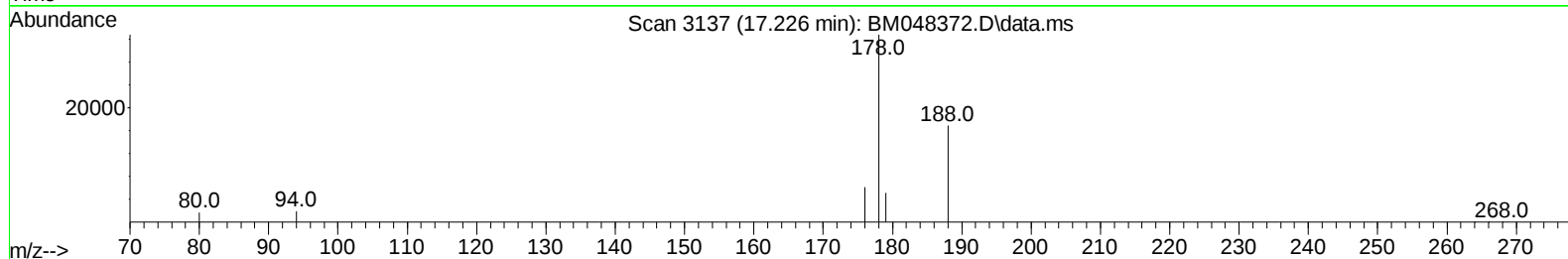
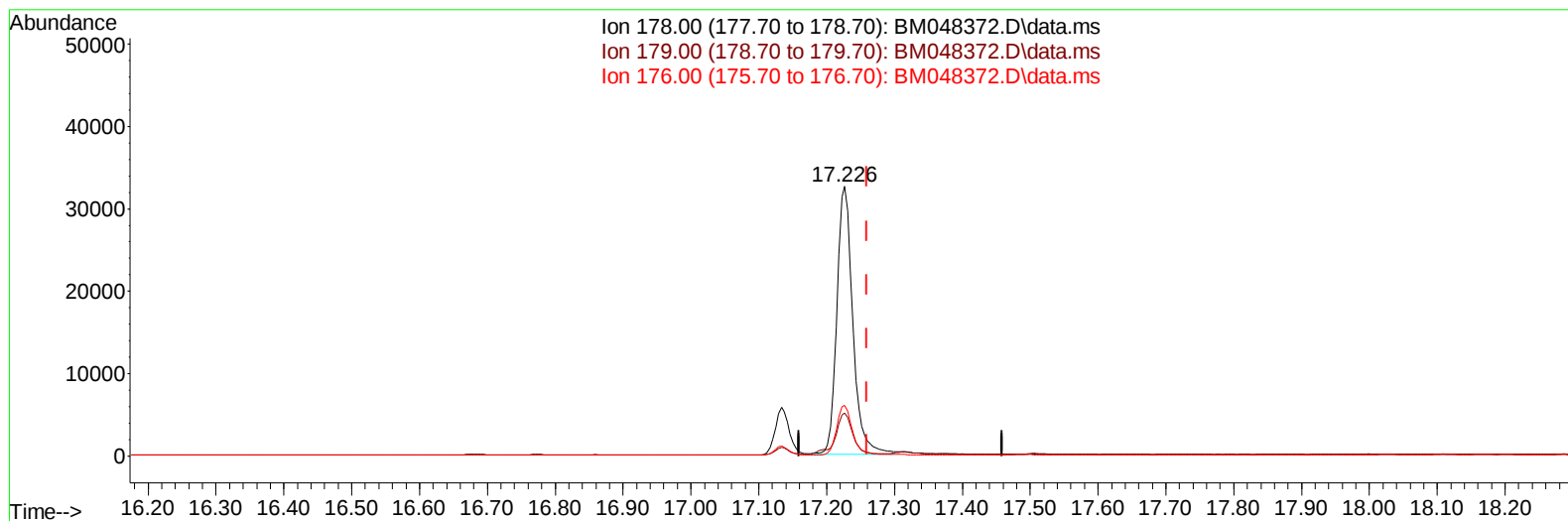
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(16) Anthracene

17.226min (-0.033) 1.44 ng/u1 m

response 53285

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.89
176.00	19.70	18.70
0.00	0.00	0.00

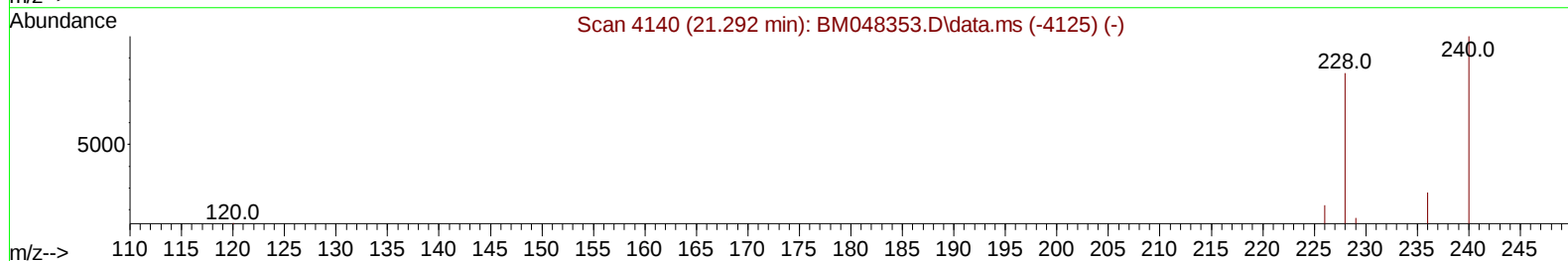
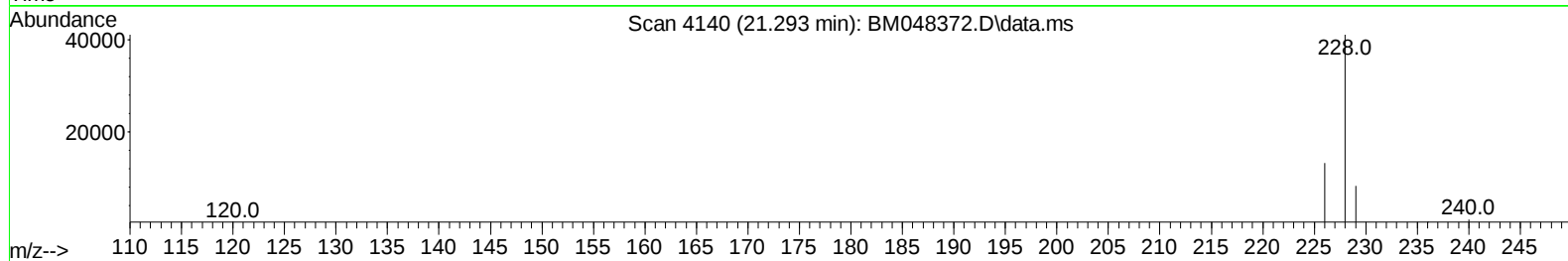
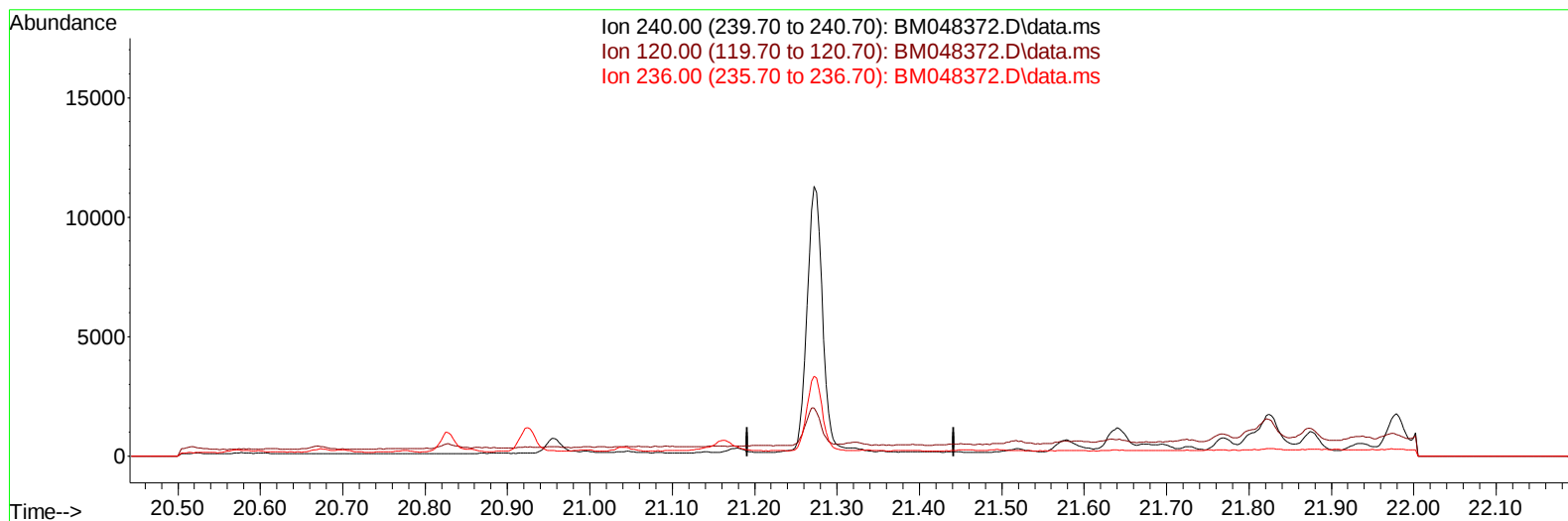
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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TIC: BM048372.D\data.ms

(17) Chrysene-d12

21.292min (-21.292) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.00	0.00#
236.00	29.90	0.00#
0.00	0.00	0.00

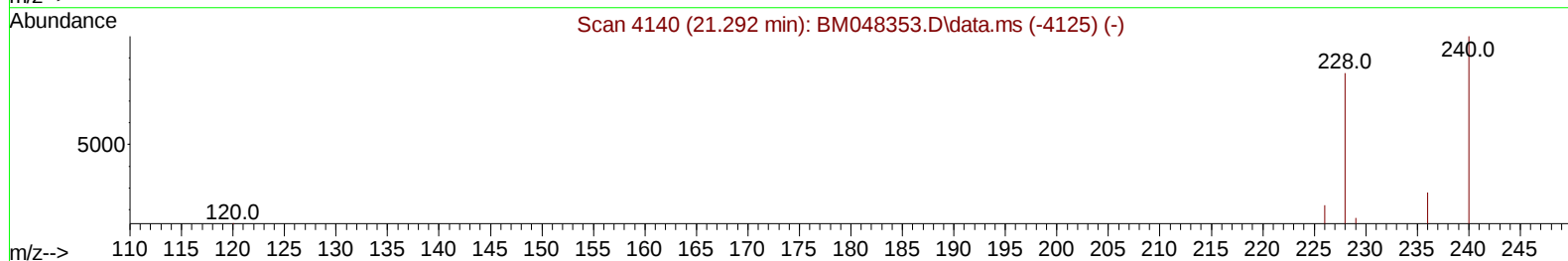
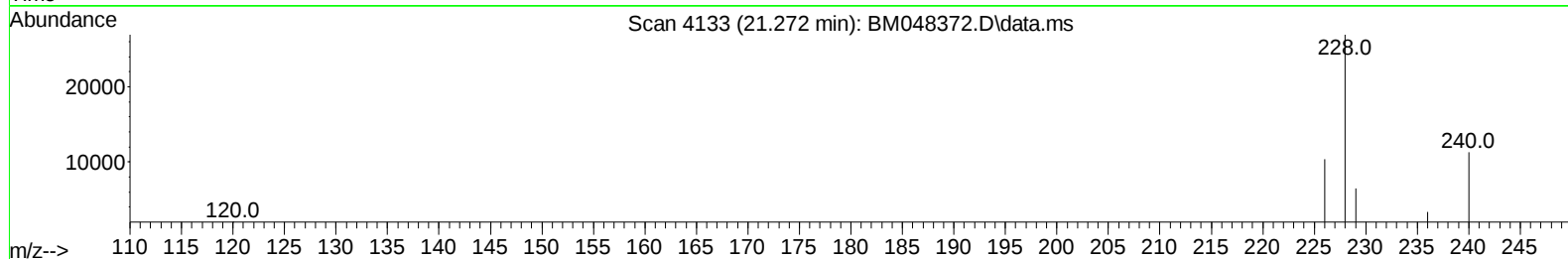
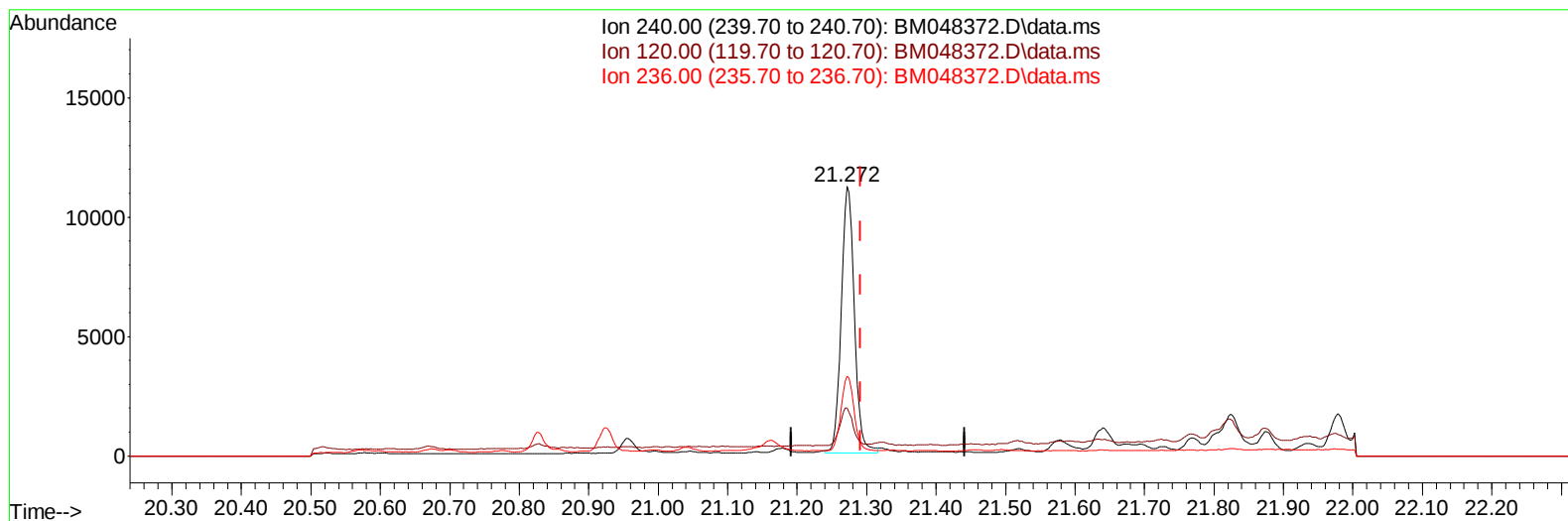
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(17) Chrysene-d12

21.272min (-0.020) 0.40 ng/ul m

response 14709

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	17.76
236.00	29.90	29.71
0.00	0.00	0.00

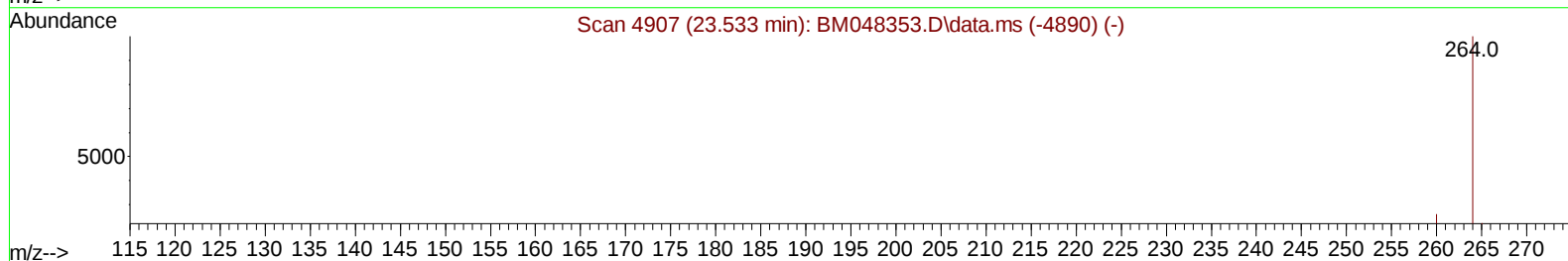
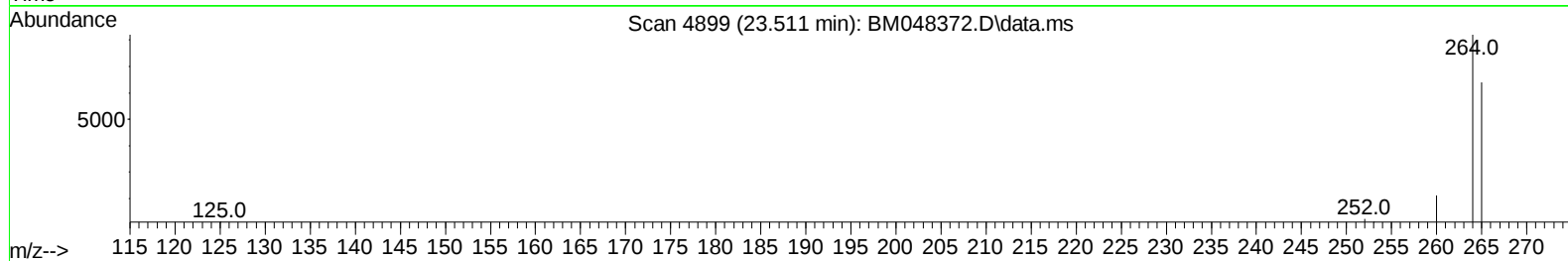
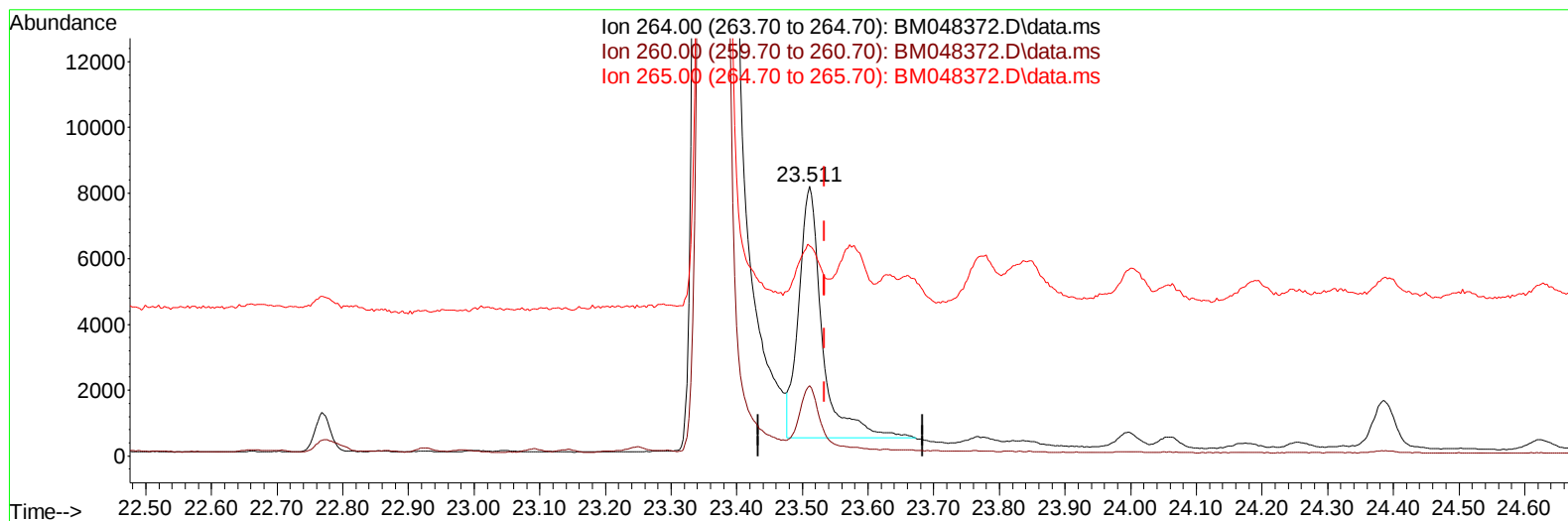
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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TIC: BM048372.D\data.ms

(23) Perylene-d12 (I)

23.511min (-0.023) 0.40 ng/u1

response 19142

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.96
265.00	120.80	77.88#
0.00	0.00	0.00

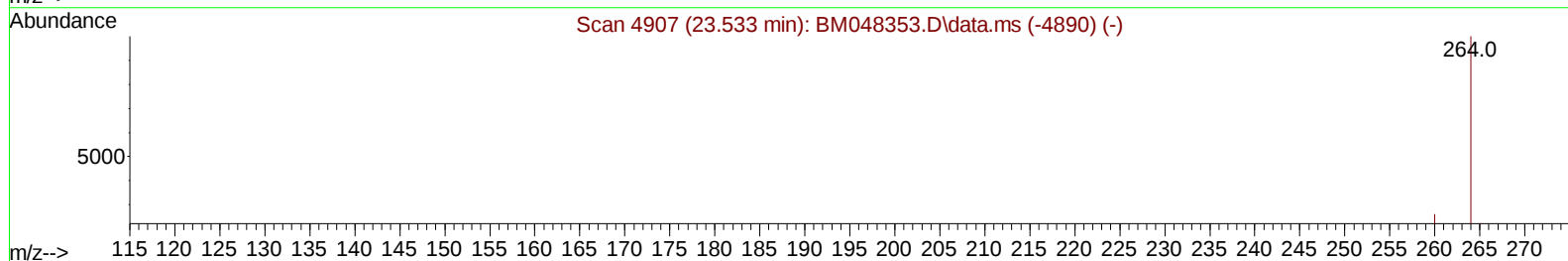
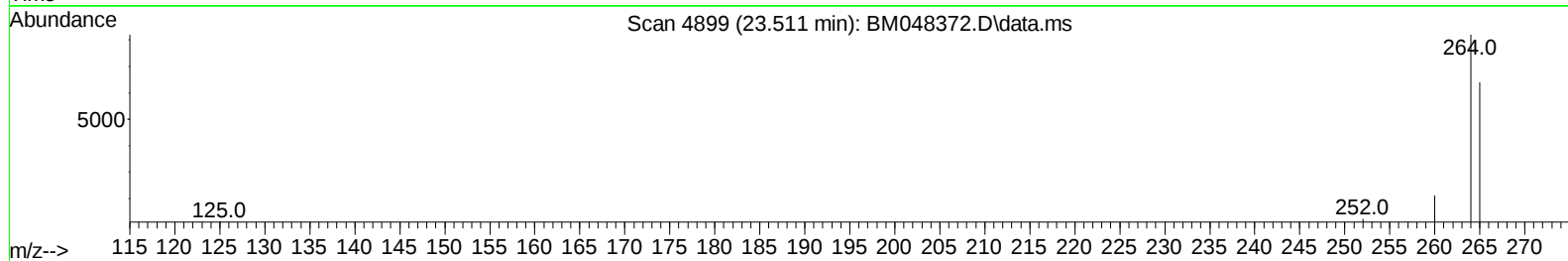
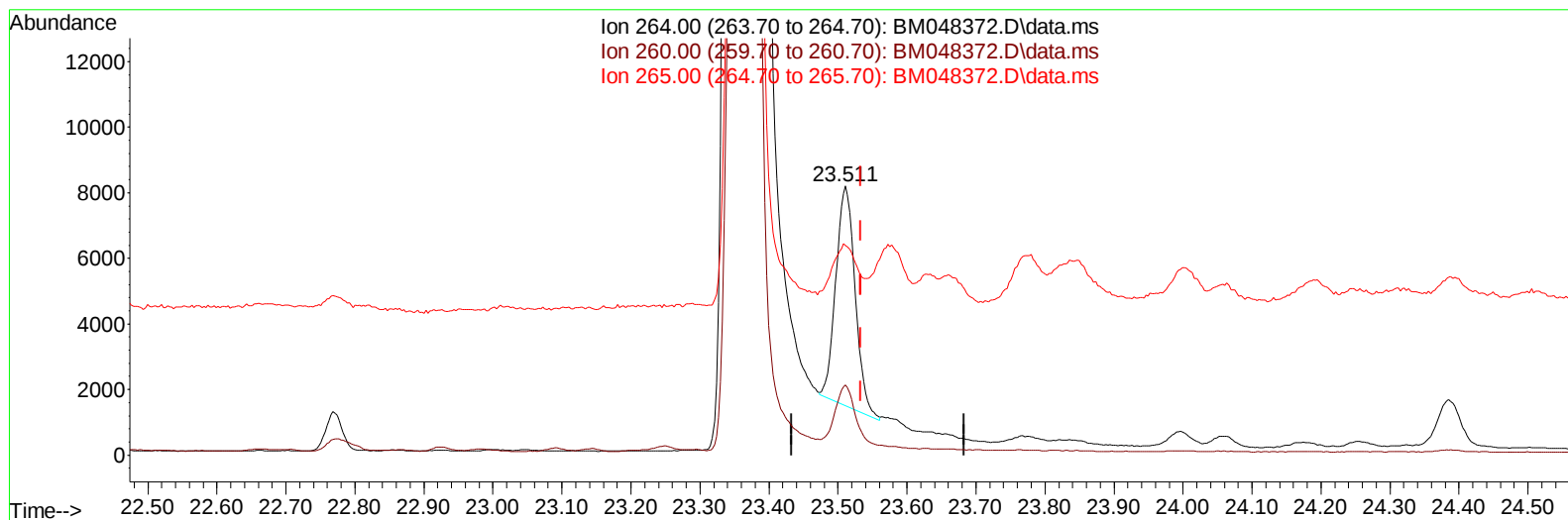
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(23) Perylene-d12 (I)

23.511min (-0.023) 0.40 ng/ul m

response 12942

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.96
265.00	120.80	77.88#
0.00	0.00	0.00

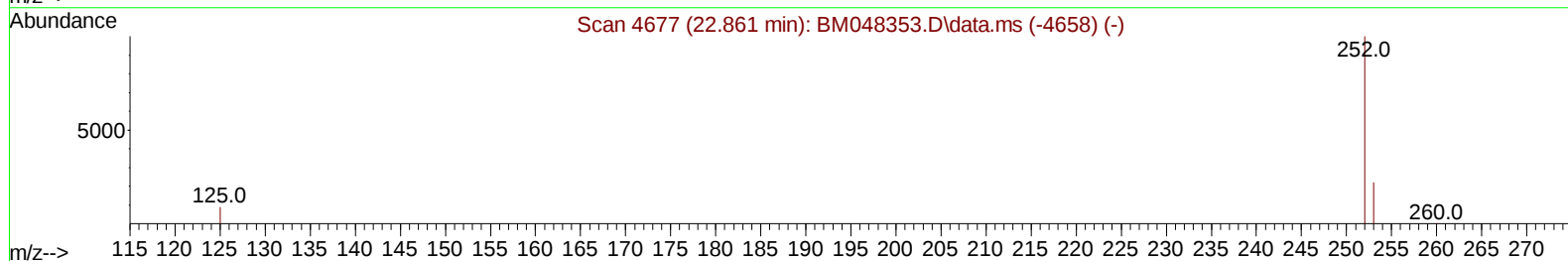
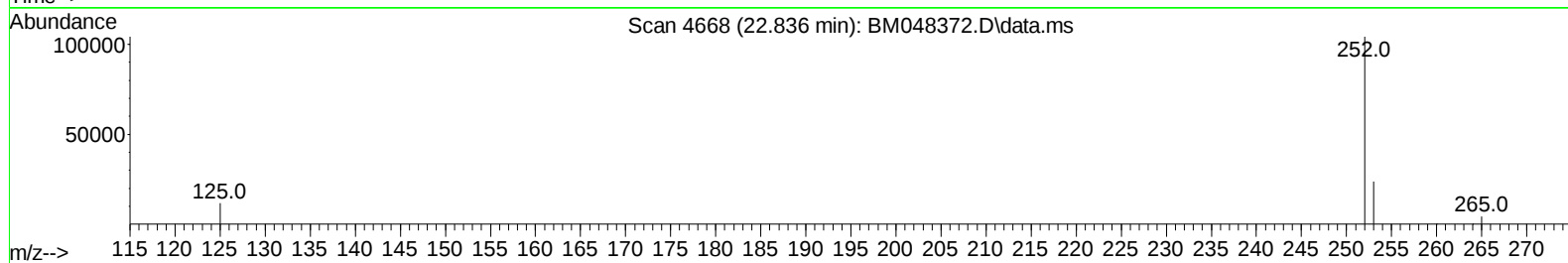
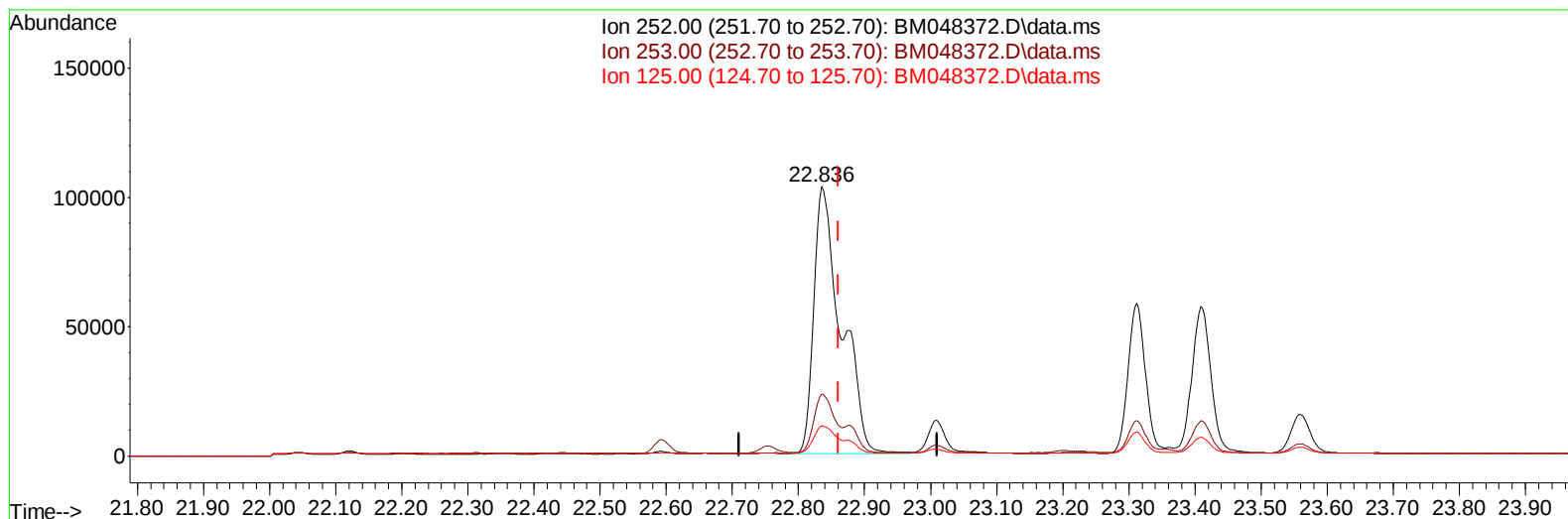
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
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TIC: BM048372.D\data.ms

(24) Benzo(b)fluoranthene

22.836min (-0.026) 6.72 ng/u1

response 297066

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	22.89
125.00	19.00	11.16
0.00	0.00	0.00

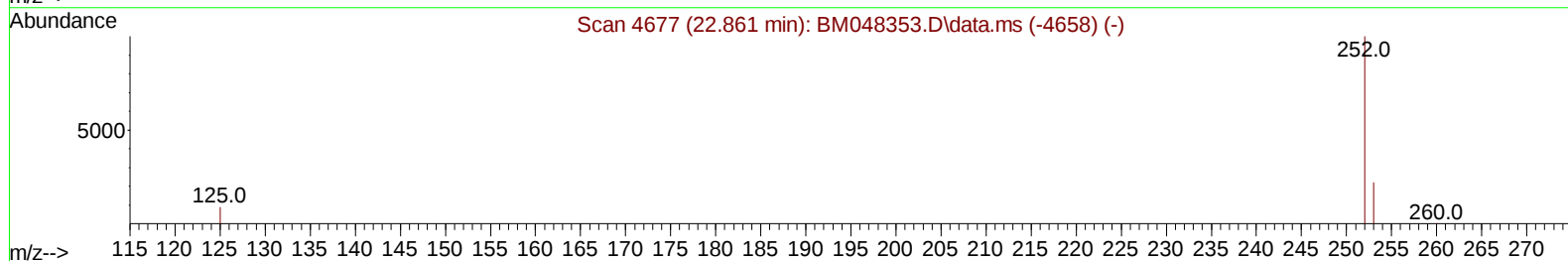
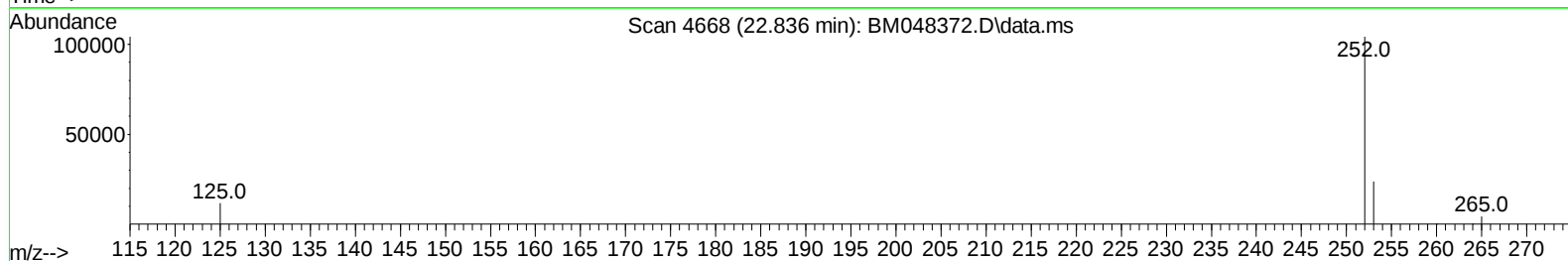
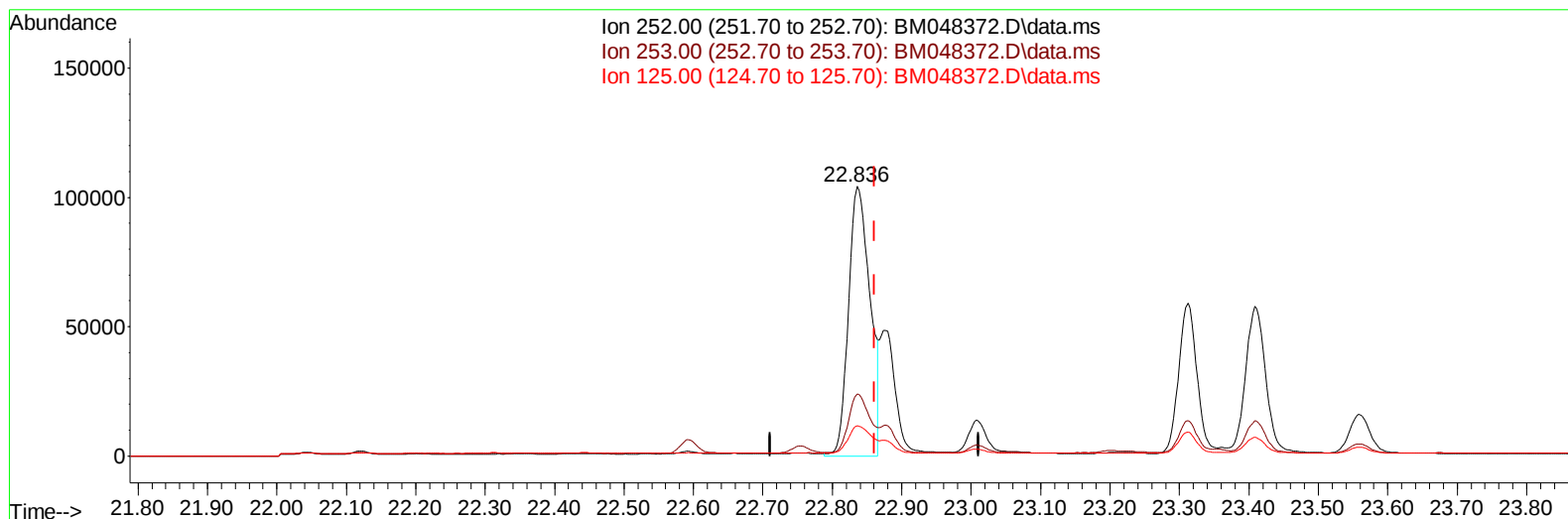
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

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Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(24) Benzo(b)fluoranthene

22.836min (-0.026) 5.05 ng/u1 m

response 223363

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	22.89
125.00	19.00	11.16
0.00	0.00	0.00

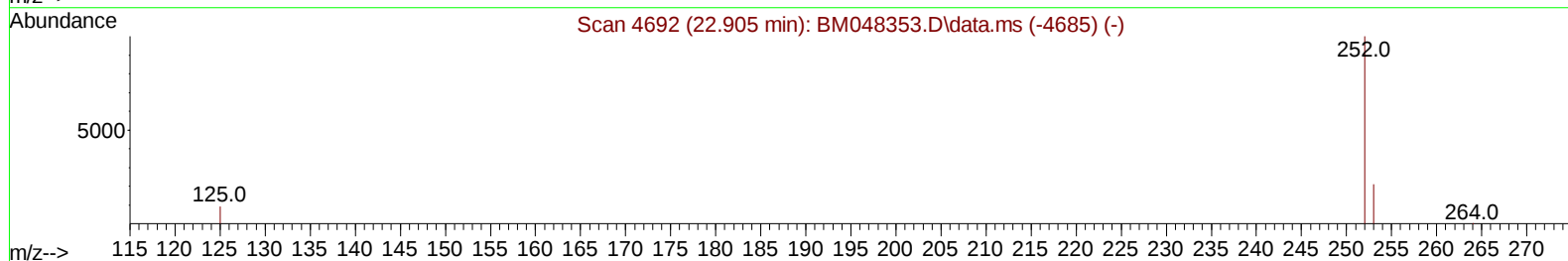
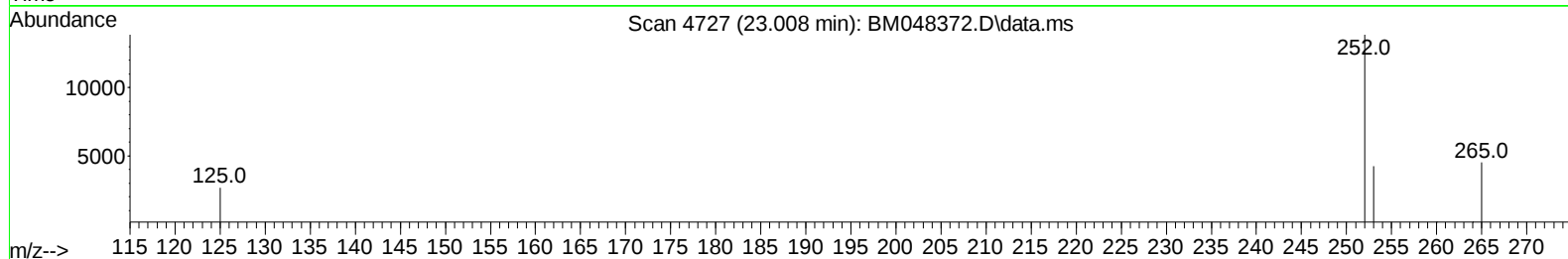
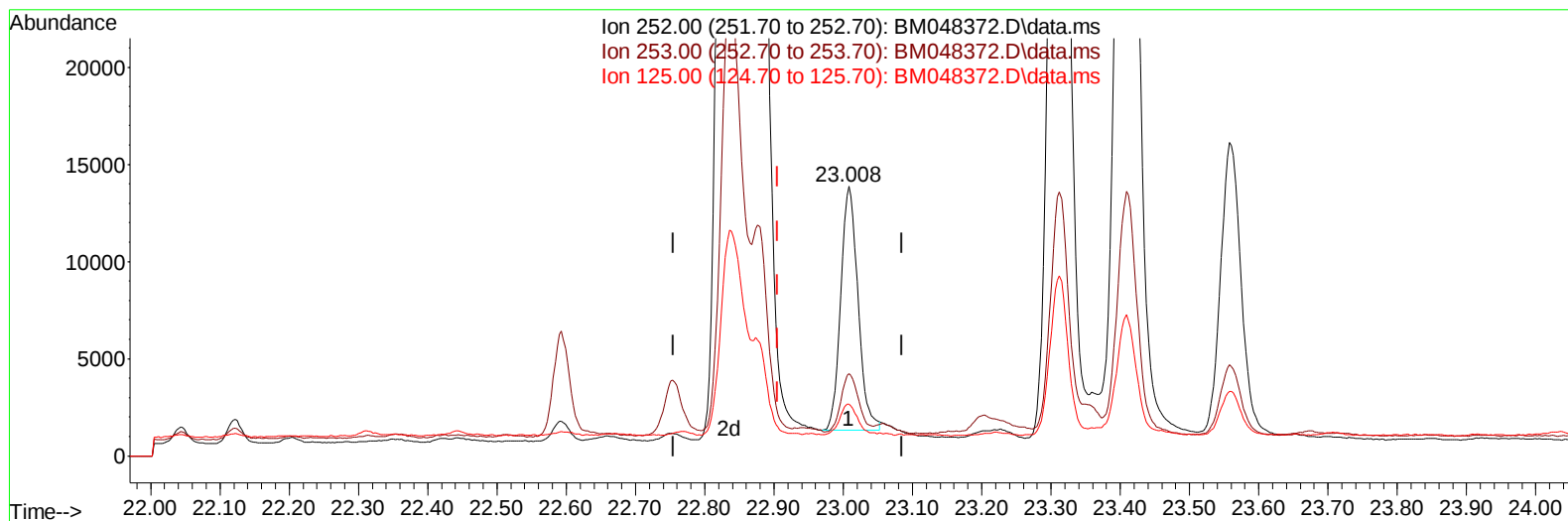
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048372.D\data.ms

(25) Benzo(k)fluoranthene

23.008min (+ 0.103) 0.42 ng/u1

response 21835

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	30.64
125.00	19.10	19.25
0.00	0.00	0.00

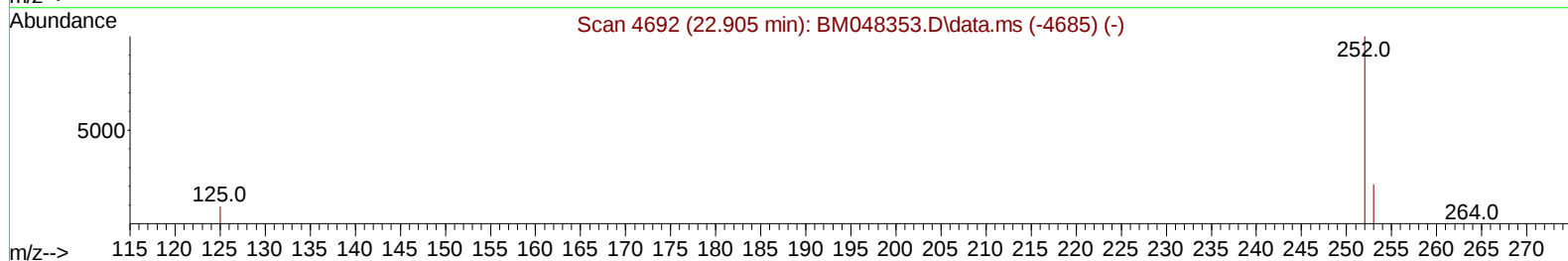
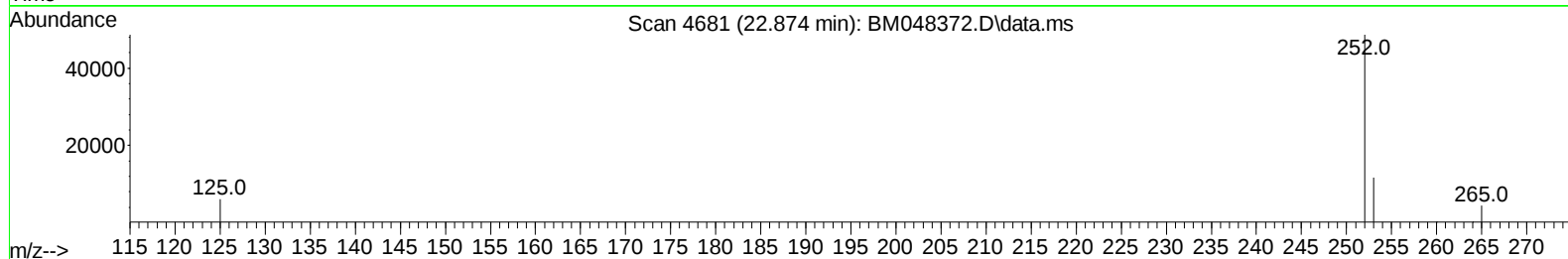
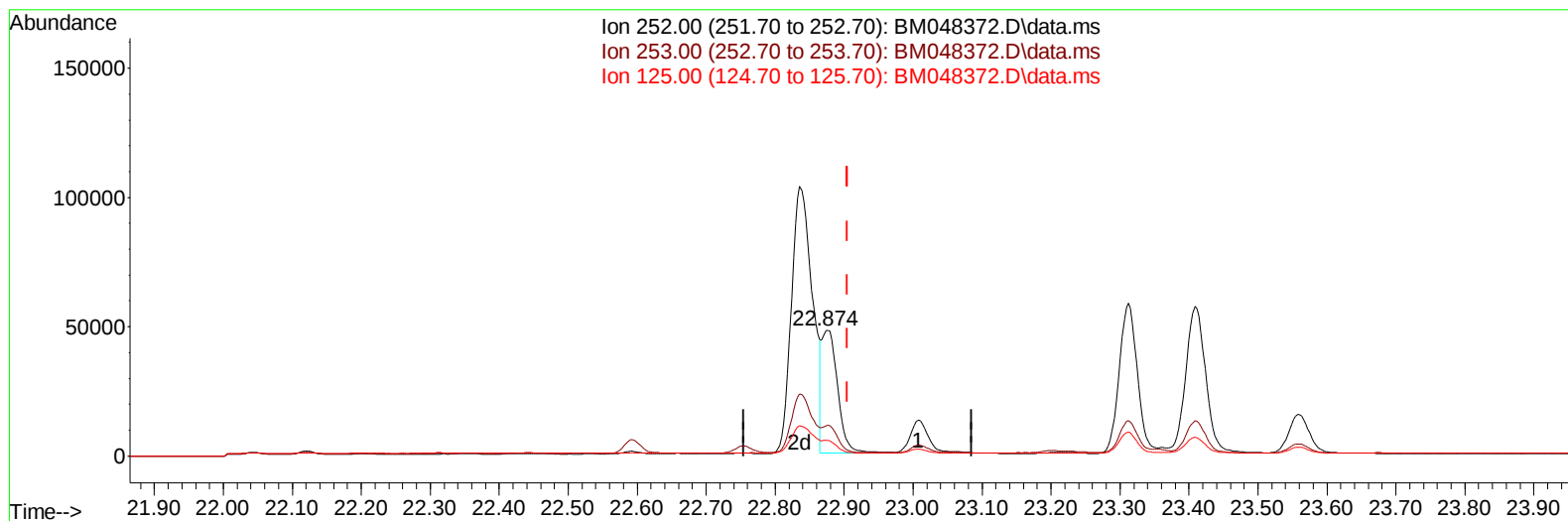
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048372.D
Acq On : 01 Nov 2024 00:27
Operator : RC/JU
Sample : P4530-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H39

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 03 07:04:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration



TIC: BM048372.D\data.ms

(25) Benzo(k)fluoranthene

22.874min (-0.031) 1.45 ng/u1 m

response 75777

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	23.99
125.00	19.10	12.55#
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	7.712	152	4344	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.496	136	13841	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.350	164	7525	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.096	188	15871m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.272	240	14709m	0.400	ng/ul	-0.02
23) Perylene-d12	23.511	264	12942m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	22529	4.223	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.119	152	5178	0.294	ng/ul	-0.02
18) Fluoranthene-d10	19.124	212	12230	0.328	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.541	128	1896	0.052	ng/ul#	88
10) Acenaphthylene	14.073	152	11223	0.386	ng/ul	99
12) Fluorene	15.400	166	731	0.028	ng/ul#	94
15) Phenanthrene	17.134	178	8286m	0.210	ng/ul	
16) Anthracene	17.226	178	53285m	1.443	ng/ul	
19) Fluoranthene	19.152	202	190846	3.763	ng/ul	98
20) Pyrene	19.514	202	237264	4.360	ng/ul	98
21) Benzo(a)anthracene	21.258	228	121960	2.768	ng/ul	99
22) Chrysene	21.307	228	158248	2.610	ng/ul	99
24) Benzo(b)fluoranthene	22.836	252	223363m	5.050	ng/ul	
25) Benzo(k)fluoranthene	22.874	252	75777m	1.447	ng/ul	
26) Benzo(a)pyrene	23.409	252	113524	2.733	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.773	276	81180	1.398	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.776	278	18934	0.418	ng/ul	95
29) Benzo(g,h,i)perylene	26.467	276	74308	1.518	ng/ul	97

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

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