

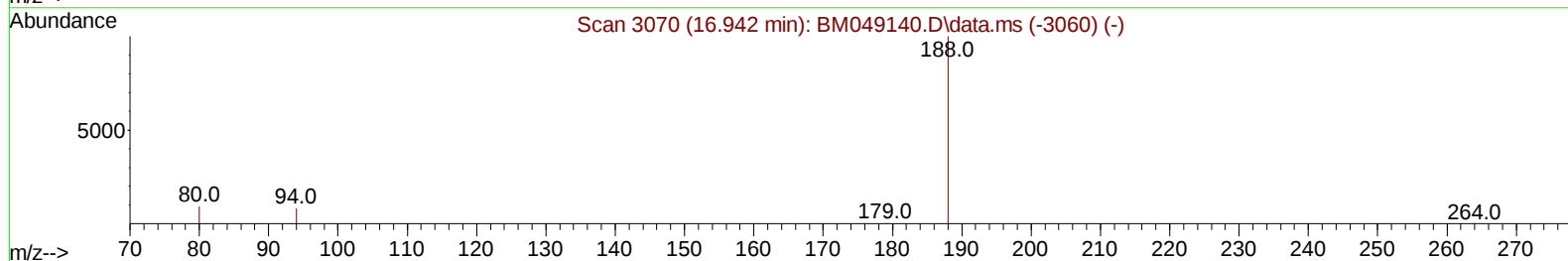
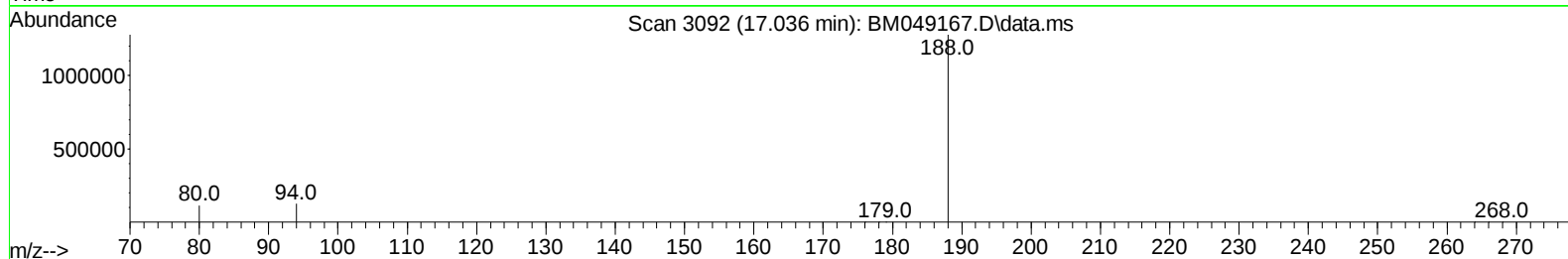
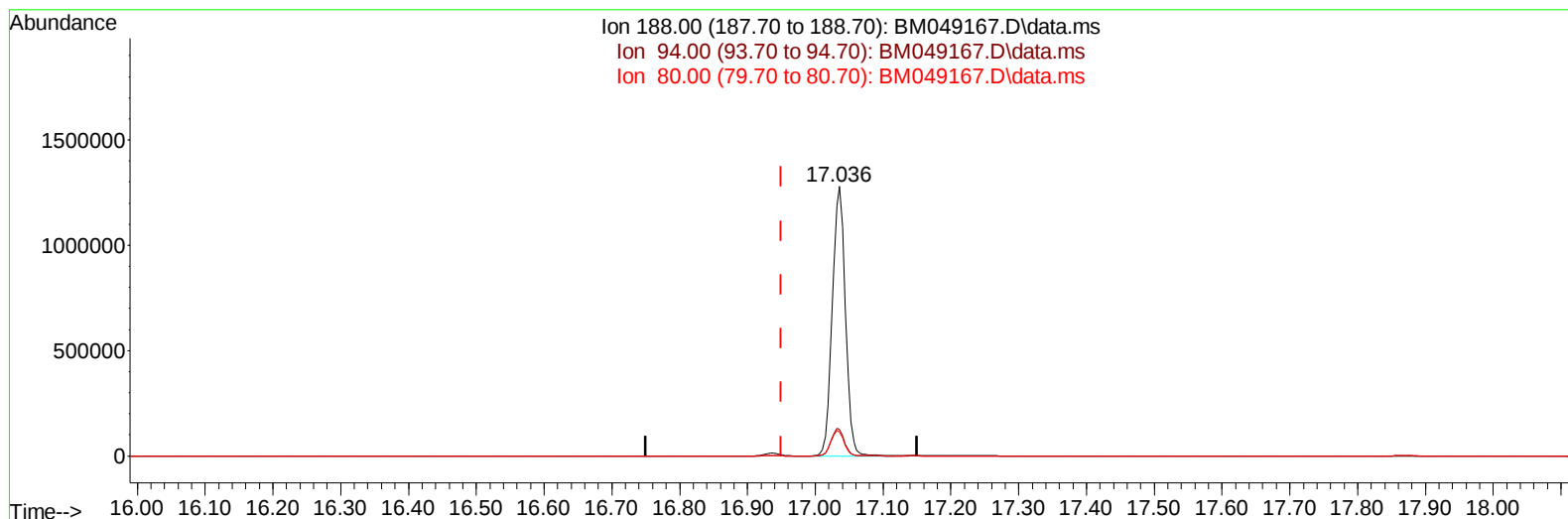
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(13) Phenanthrene-d10 (I)

17.036min (+ 0.086) 0.40 ng/u1

response 1705532

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.79
80.00	10.70	8.91
0.00	0.00	0.00

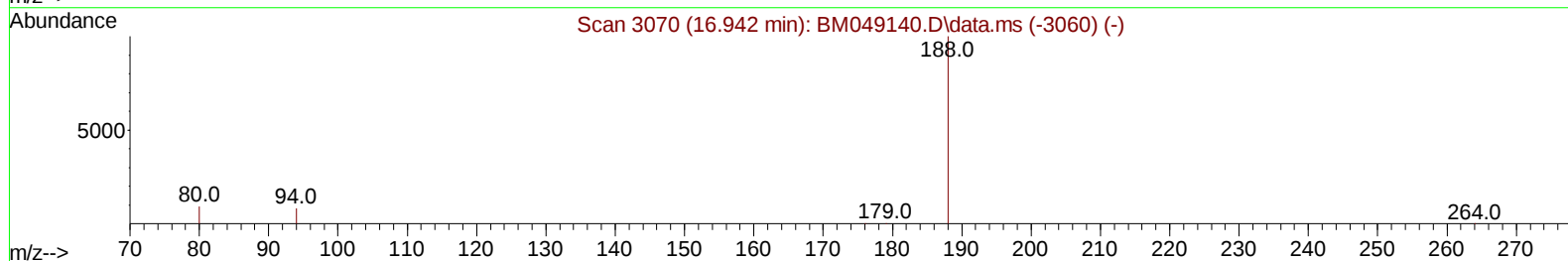
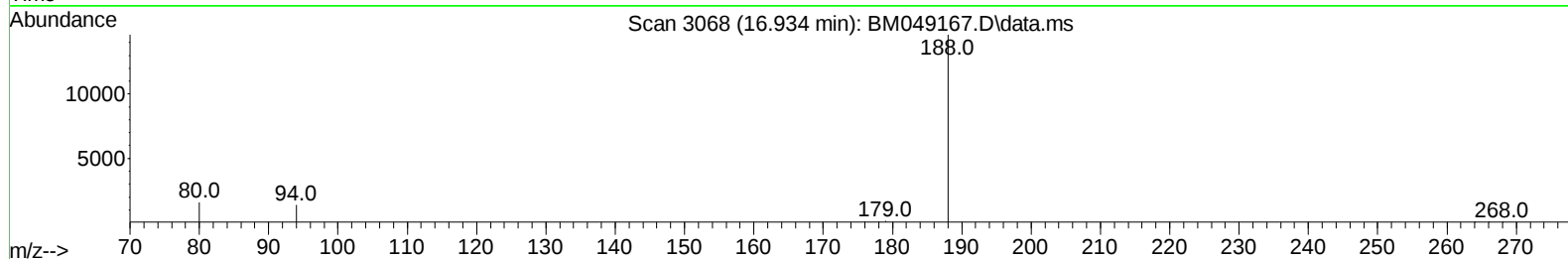
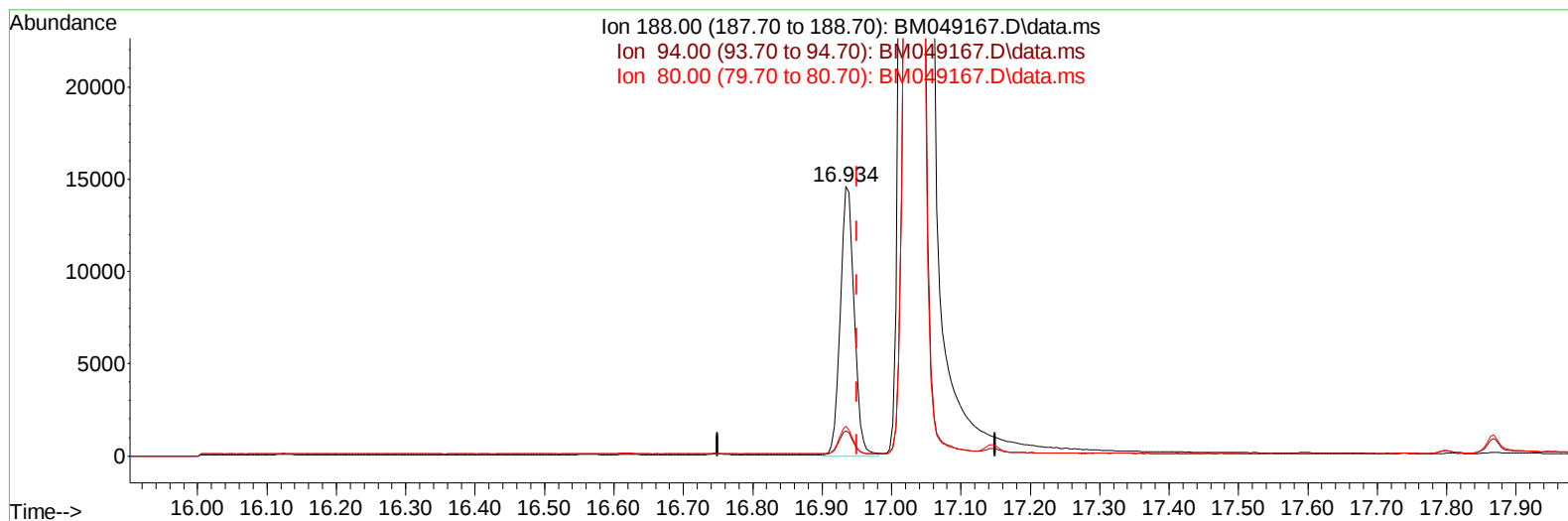
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.016) 0.40 ng/ul m

response 20400

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.44
80.00	10.70	10.94
0.00	0.00	0.00

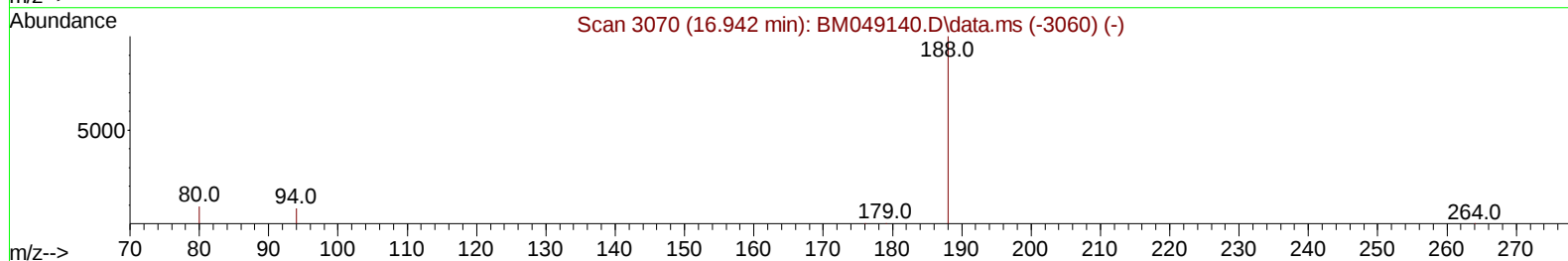
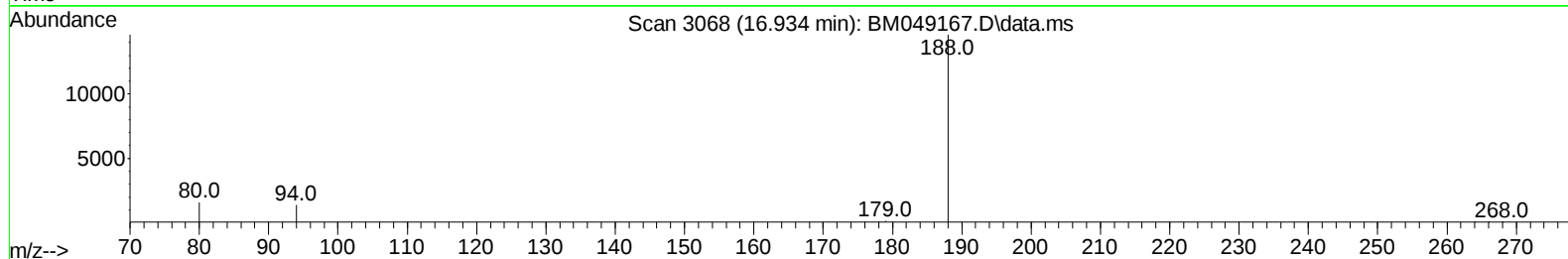
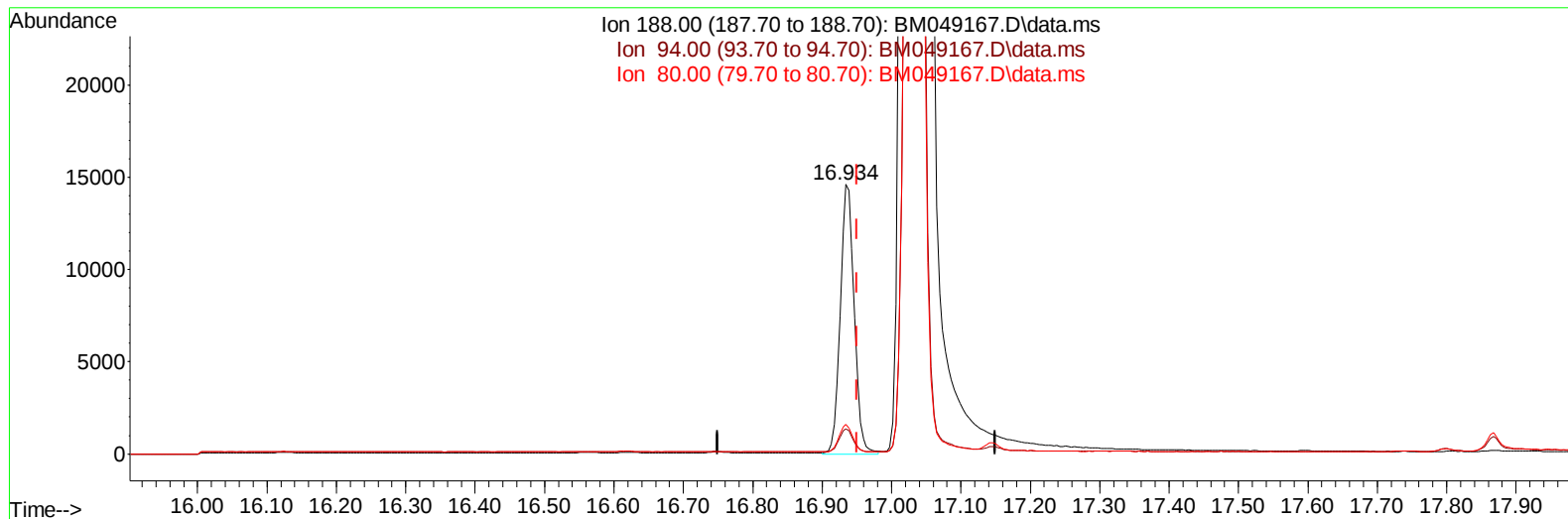
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.016) 0.40 ng/ul m

response 20400

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.44
80.00	10.70	10.94
0.00	0.00	0.00

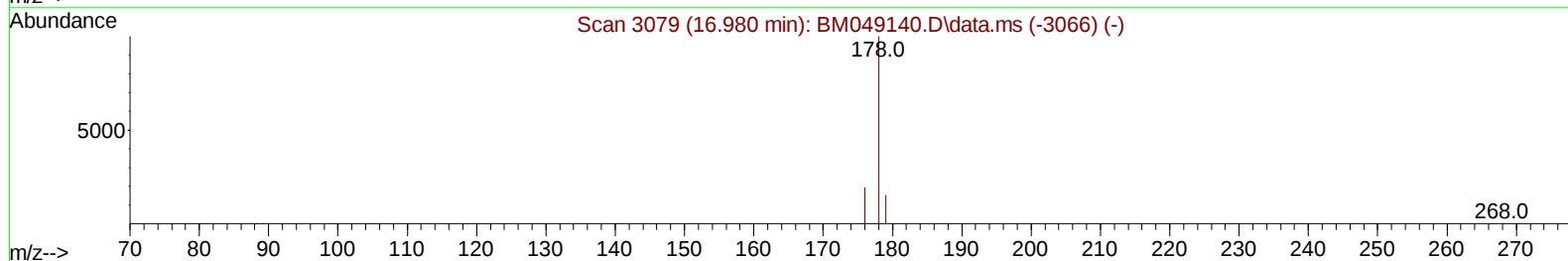
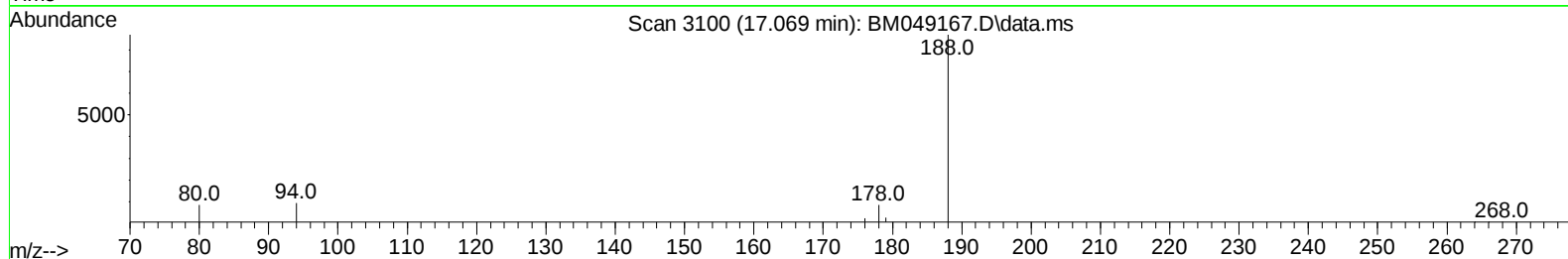
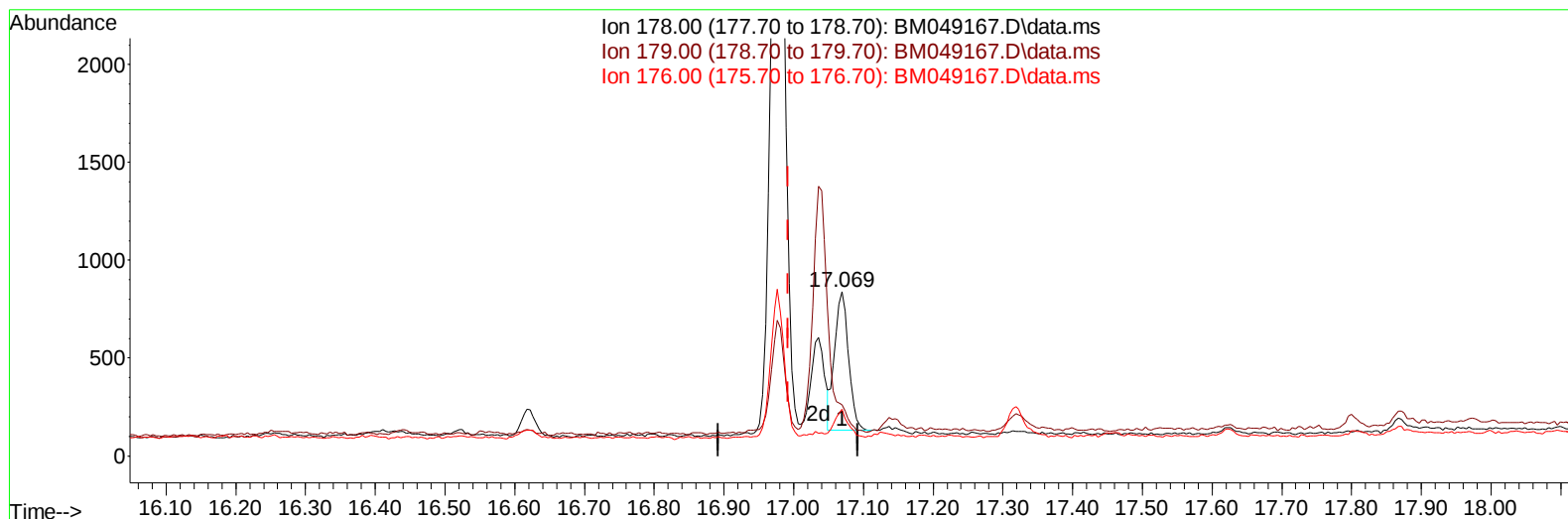
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(15) Phenanthrene

17.069min (+ 0.077) 0.02 ng/u1

response 985

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	31.15#
176.00	20.20	28.28#
0.00	0.00	0.00

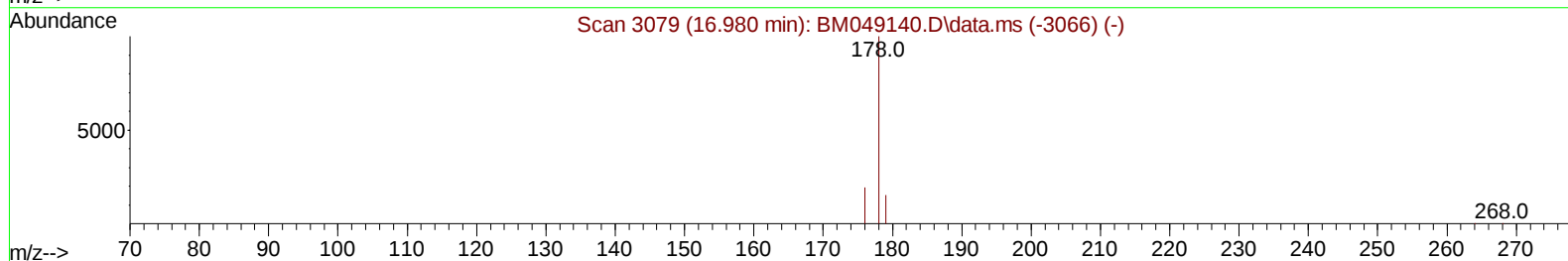
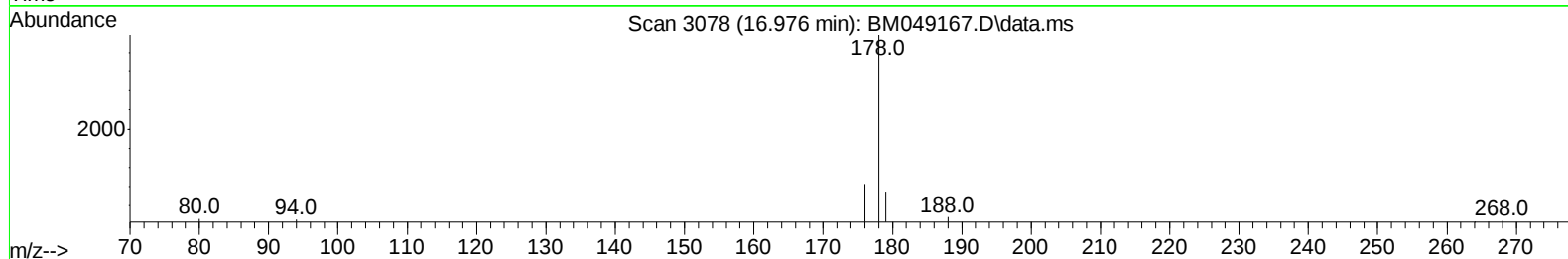
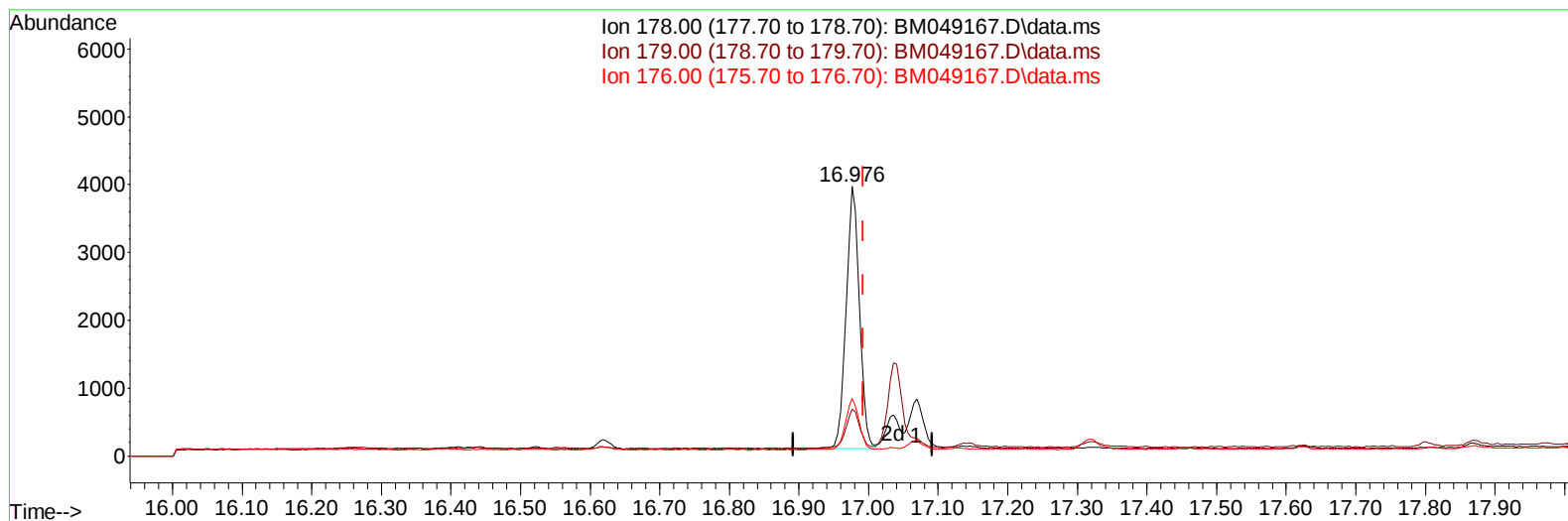
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(15) Phenanthrene

16.976min (-0.016) 0.10 ng/ul m

response 5150

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.44
176.00	20.20	21.42
0.00	0.00	0.00

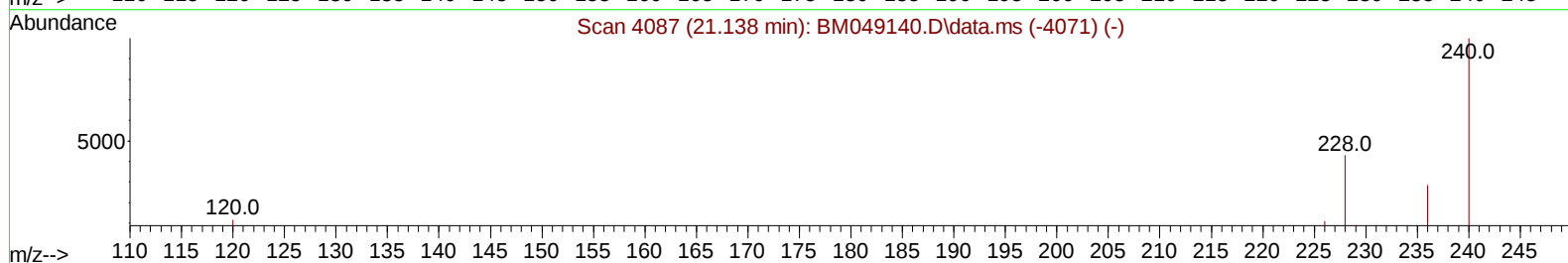
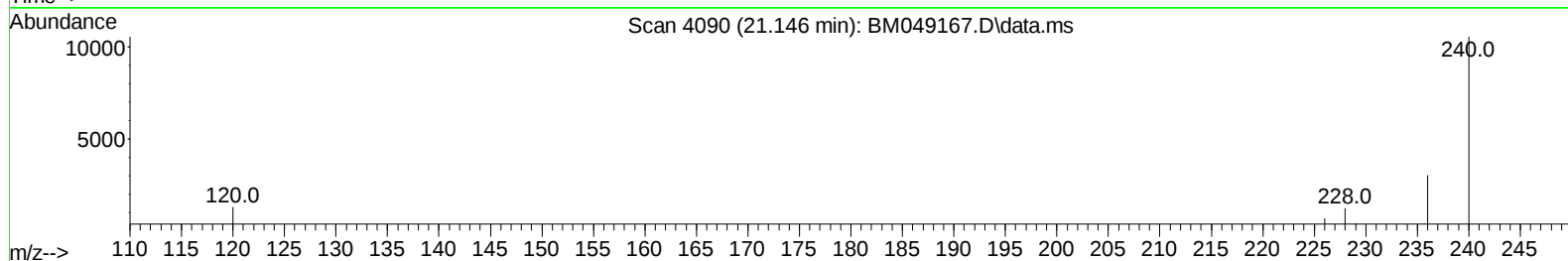
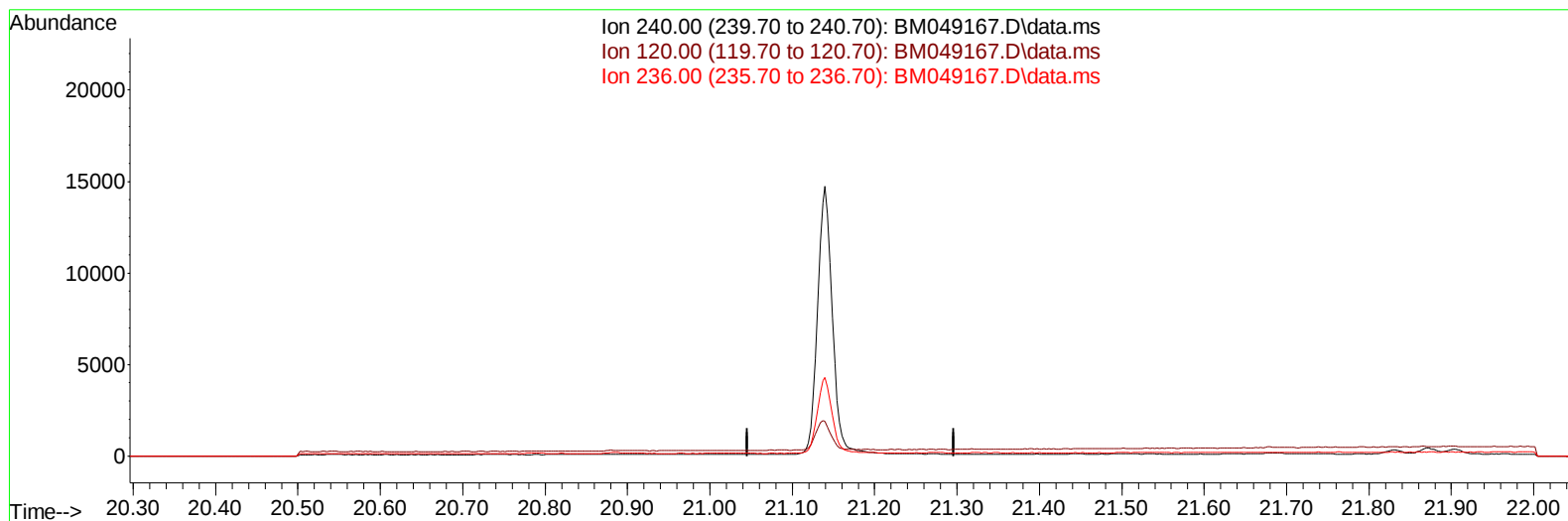
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	14.50	0.00#
236.00	29.80	0.00#
0.00	0.00	0.00

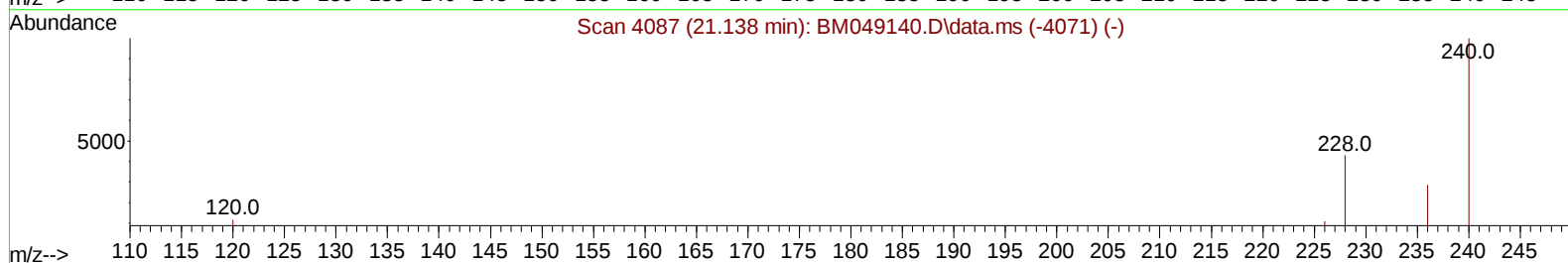
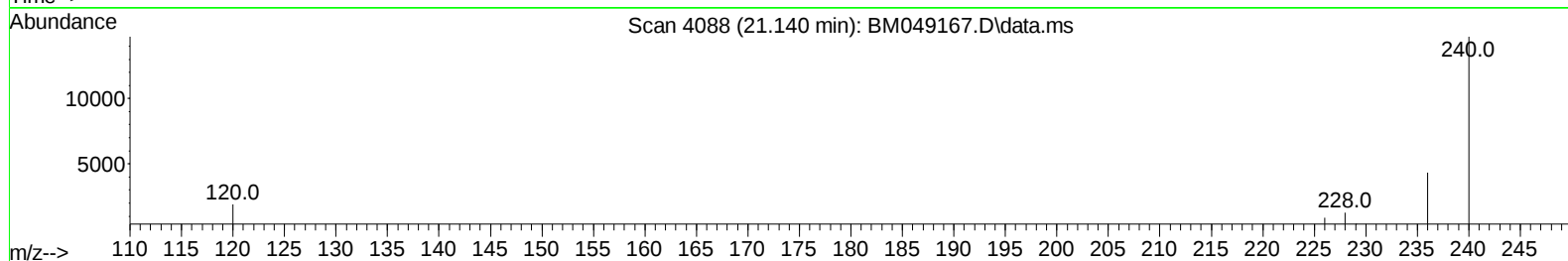
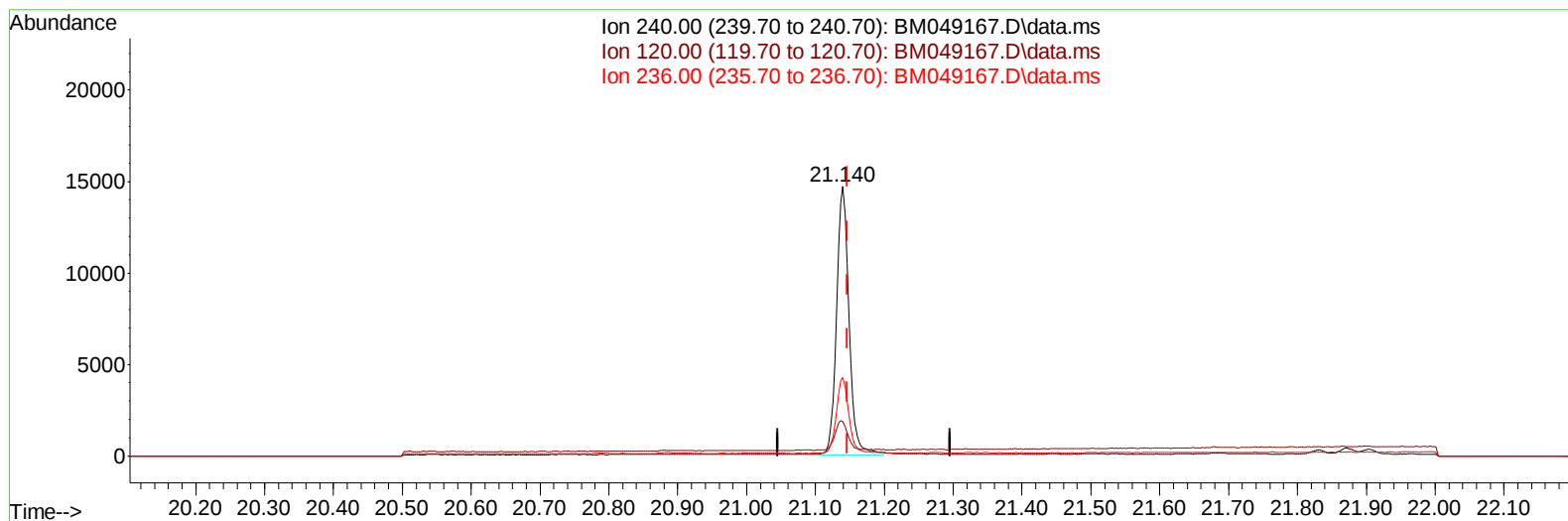
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(17) Chrysene-d12

21.140min (-0.006) 0.40 ng/ul m

response 18408

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	12.76
236.00	29.80	29.24
0.00	0.00	0.00

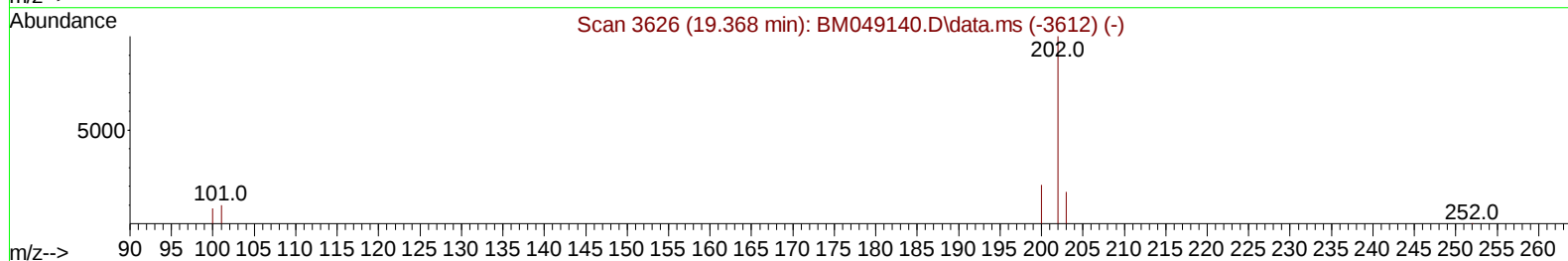
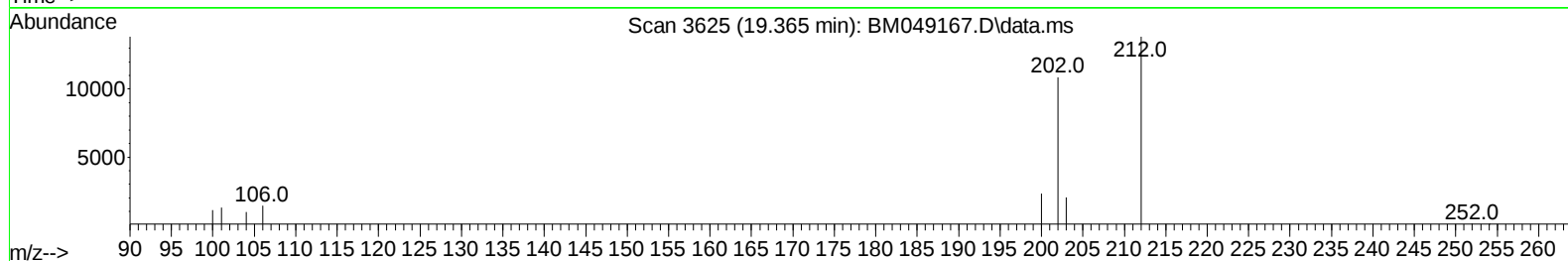
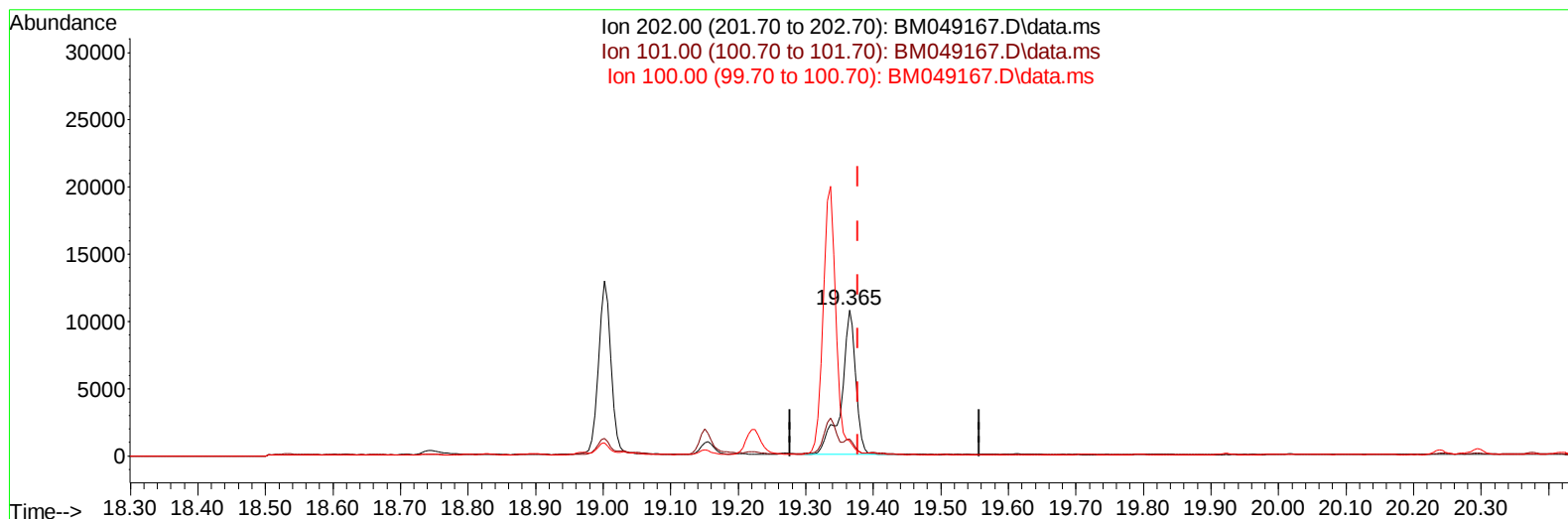
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.23 ng/u1

response 16270

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.71
100.00	8.60	10.26
0.00	0.00	0.00

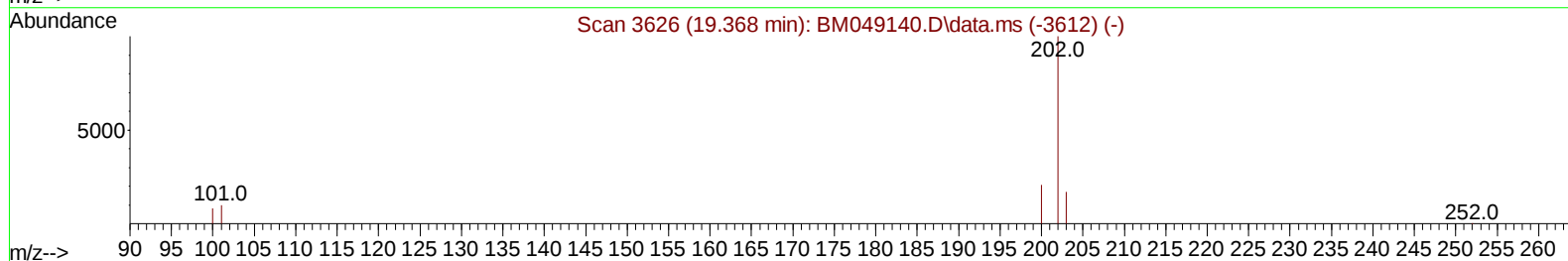
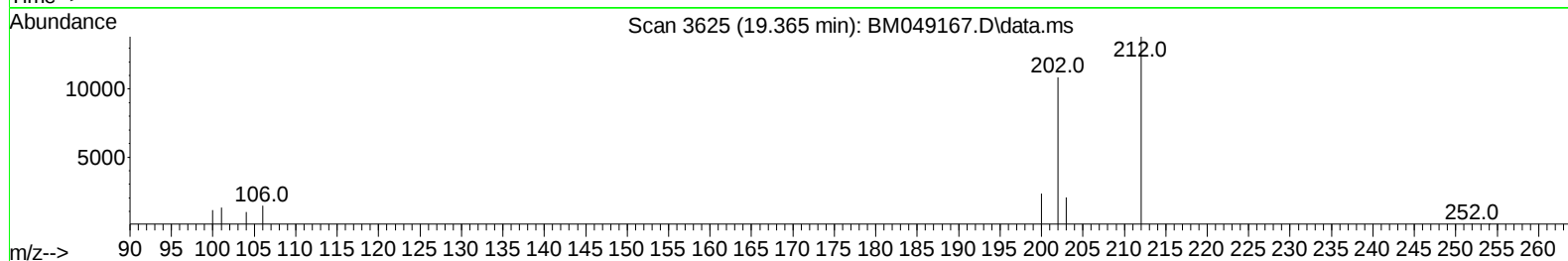
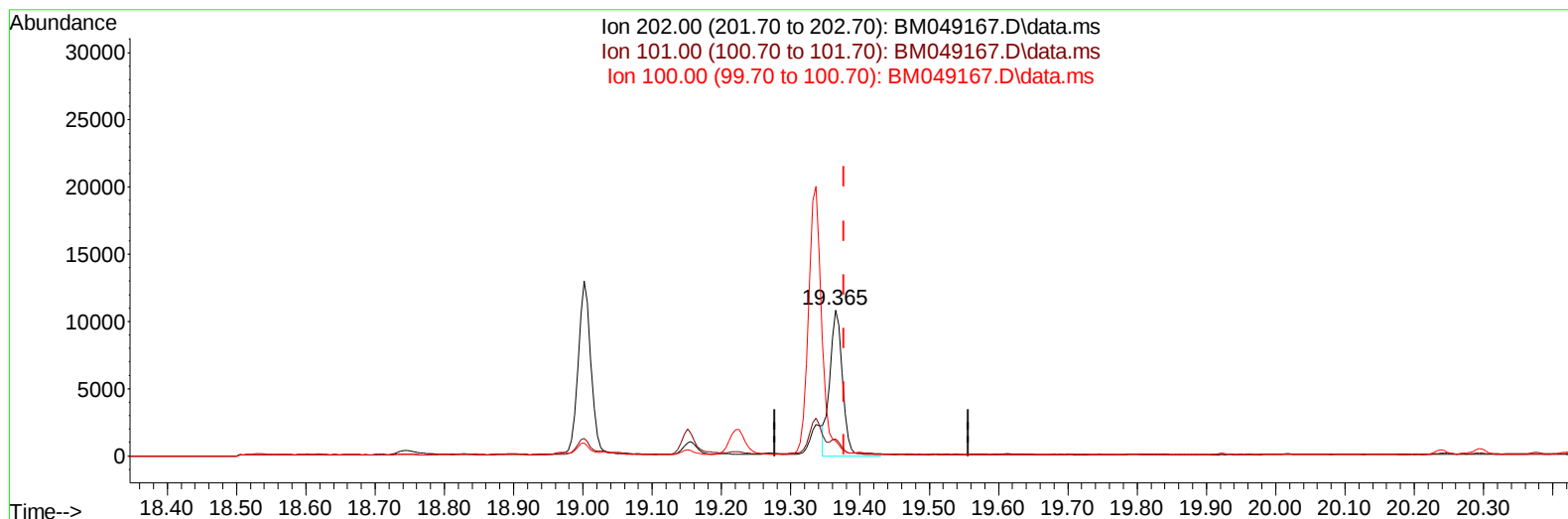
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.20 ng/ul m

response 13951

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.71
100.00	8.60	10.26
0.00	0.00	0.00

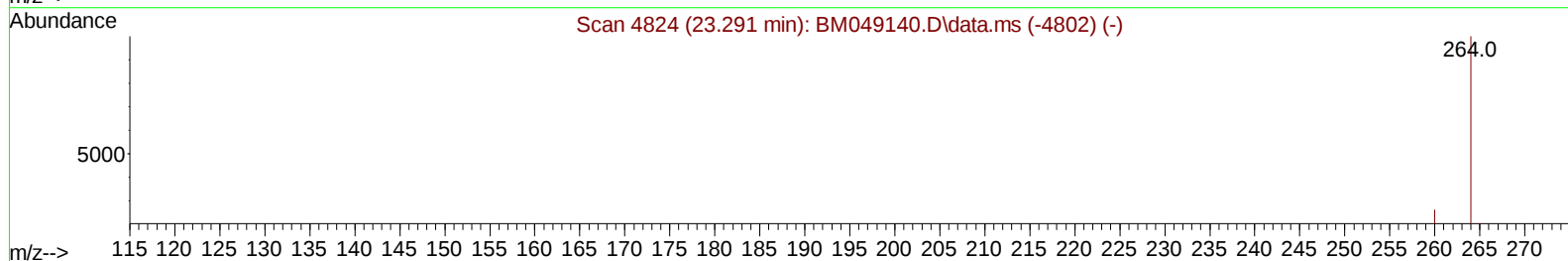
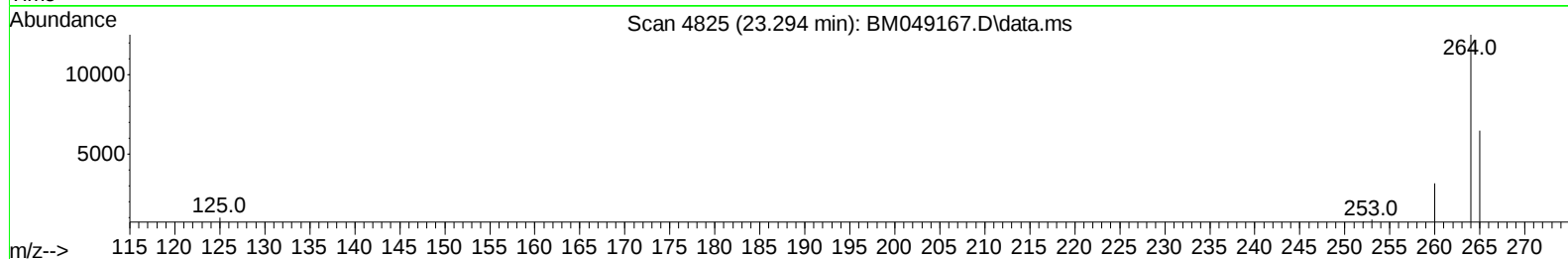
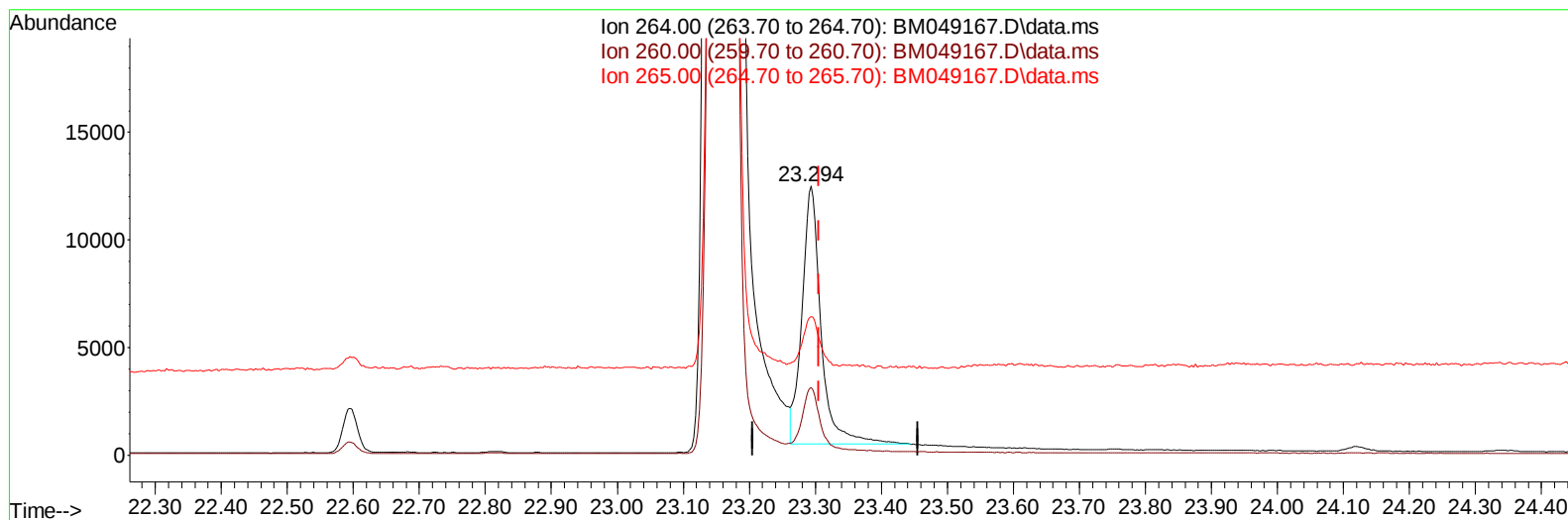
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/u1

response 24092

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.08
265.00	78.30	51.56#
0.00	0.00	0.00

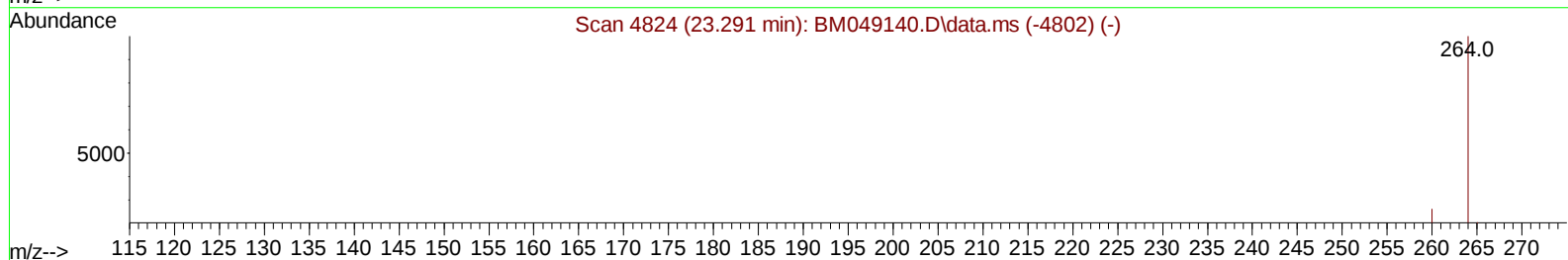
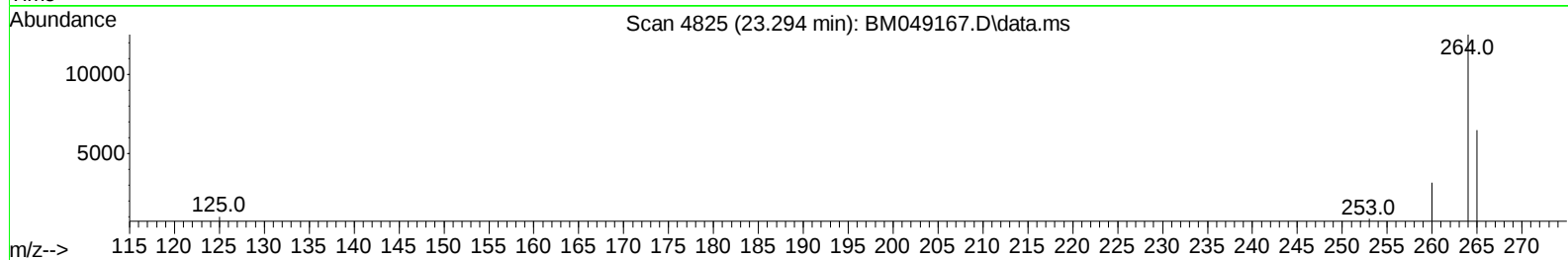
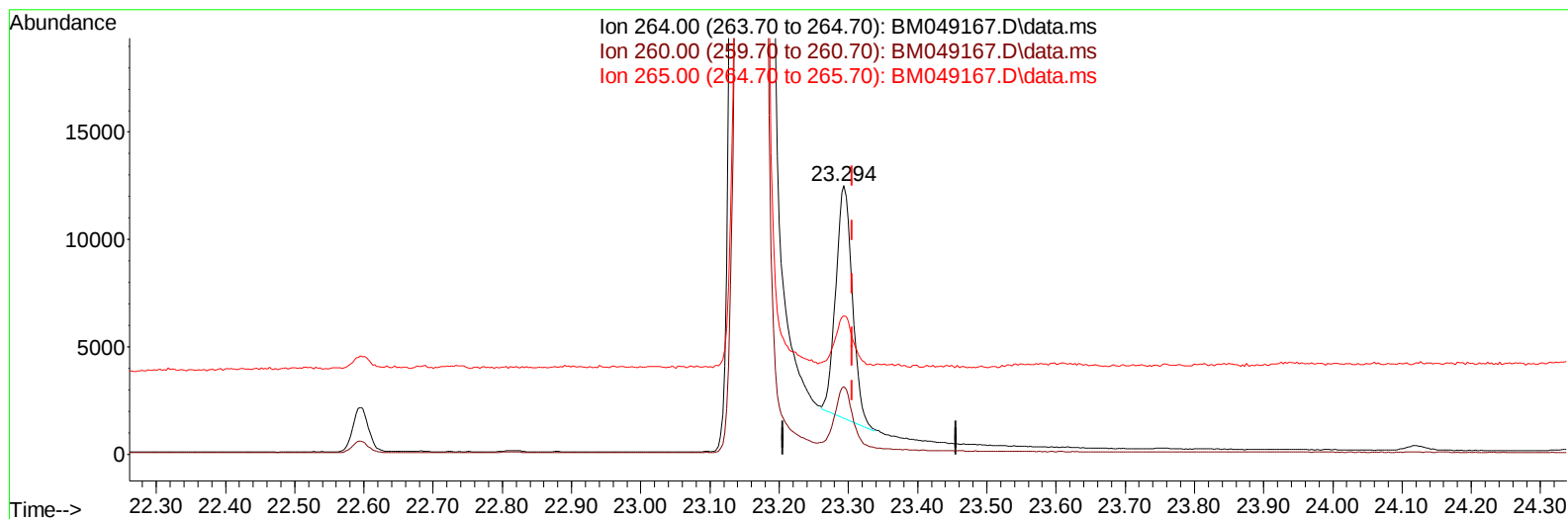
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/ul m

response 18041

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.08
265.00	78.30	51.56#
0.00	0.00	0.00

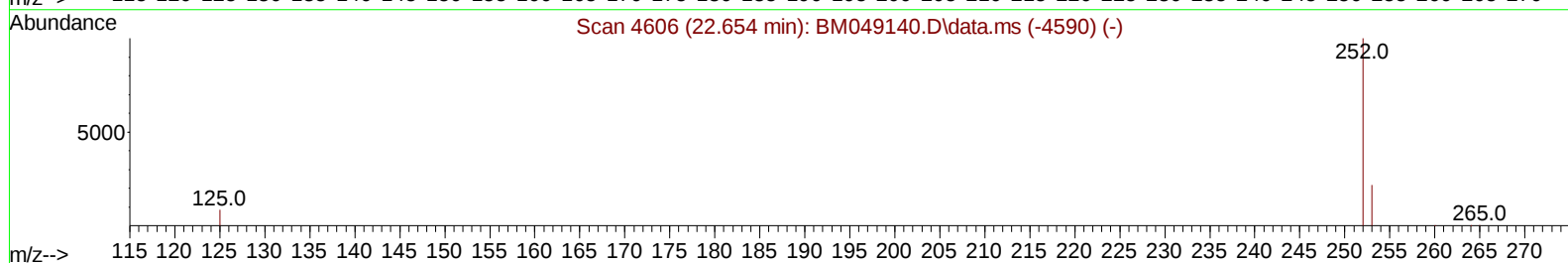
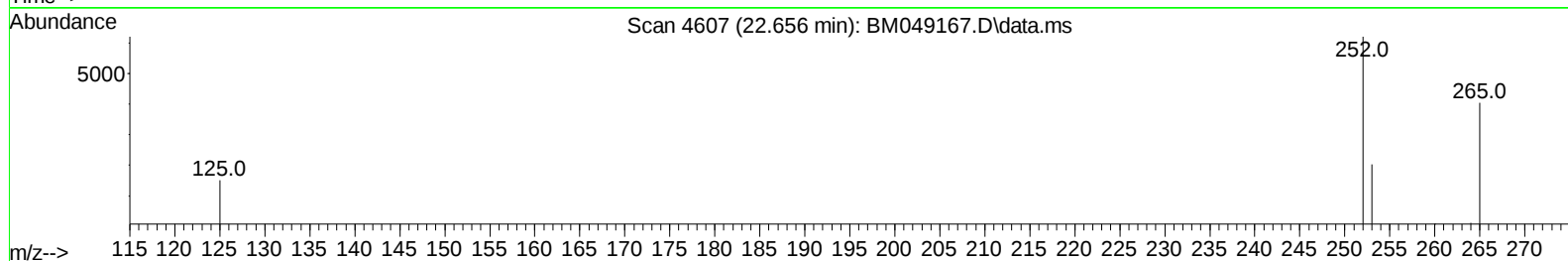
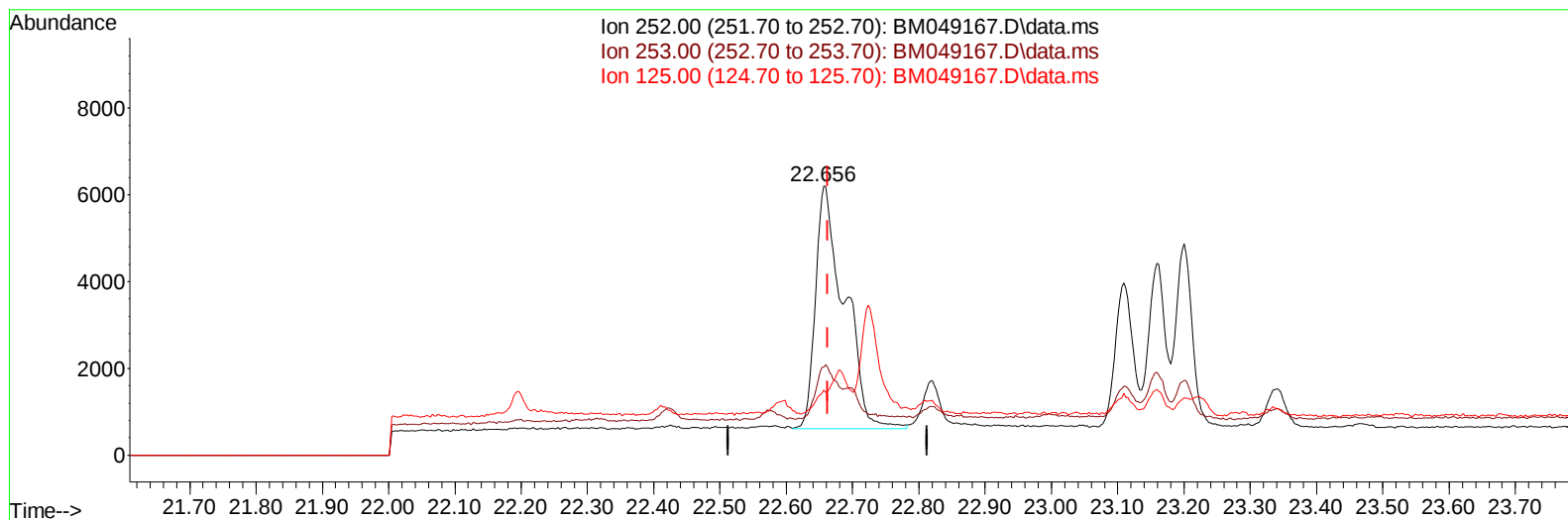
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.006) 0.29 ng/u1

response 16888

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.79
125.00	15.40	24.24
0.00	0.00	0.00

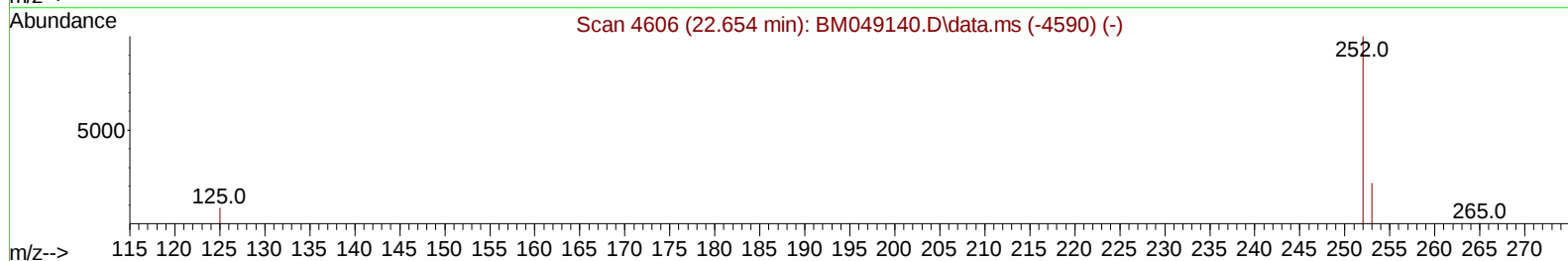
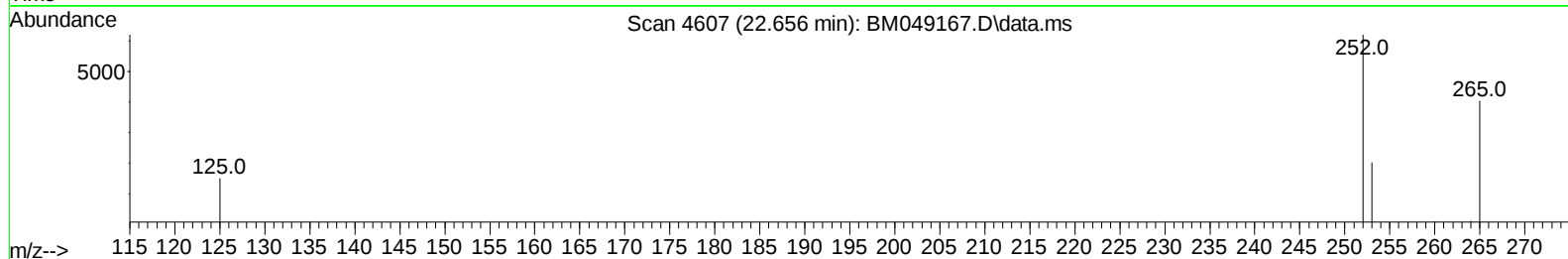
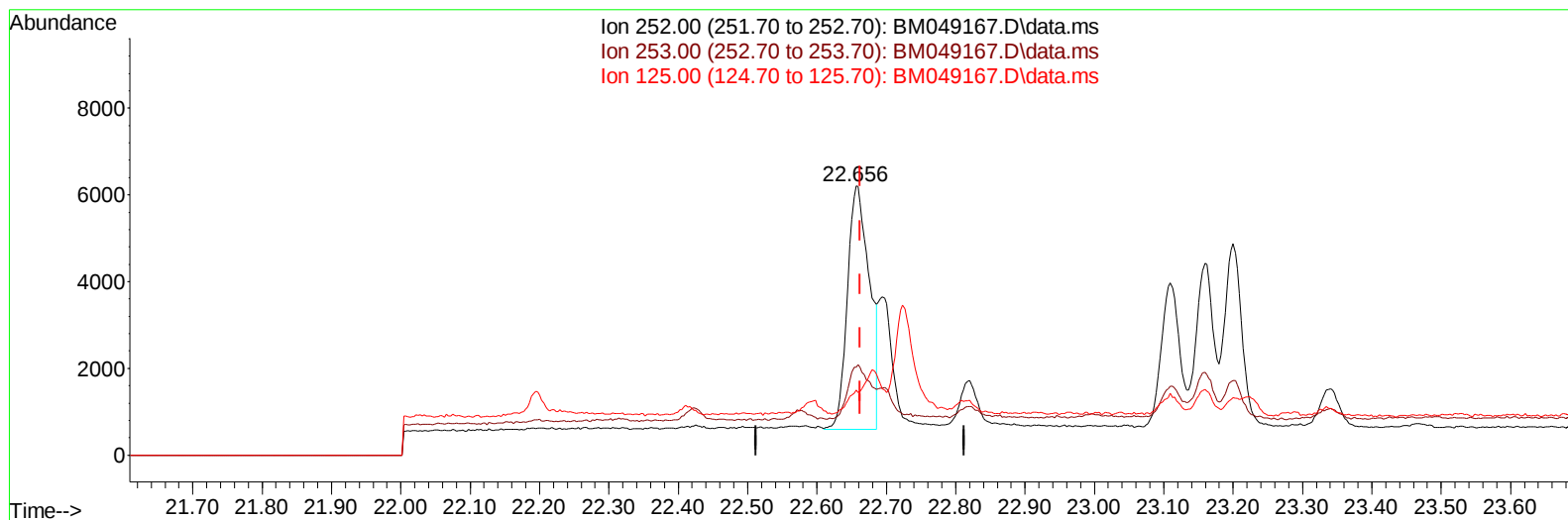
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.006) 0.21 ng/u1 m

response 12373

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.79
125.00	15.40	24.24
0.00	0.00	0.00

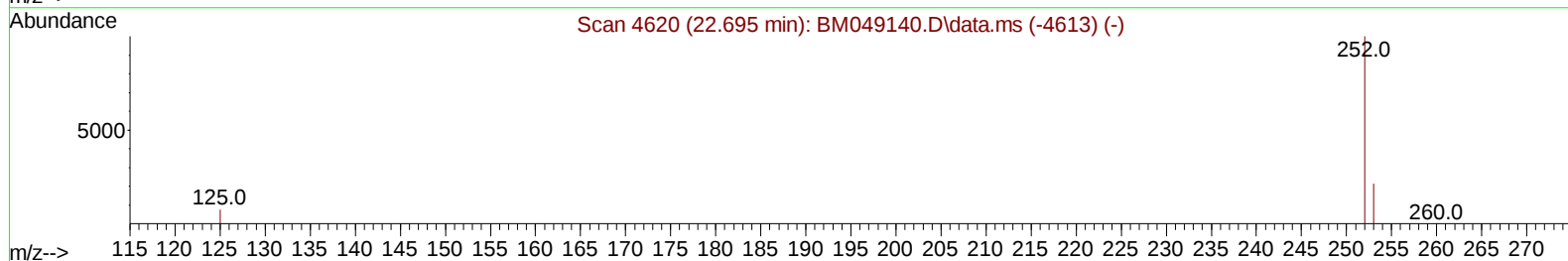
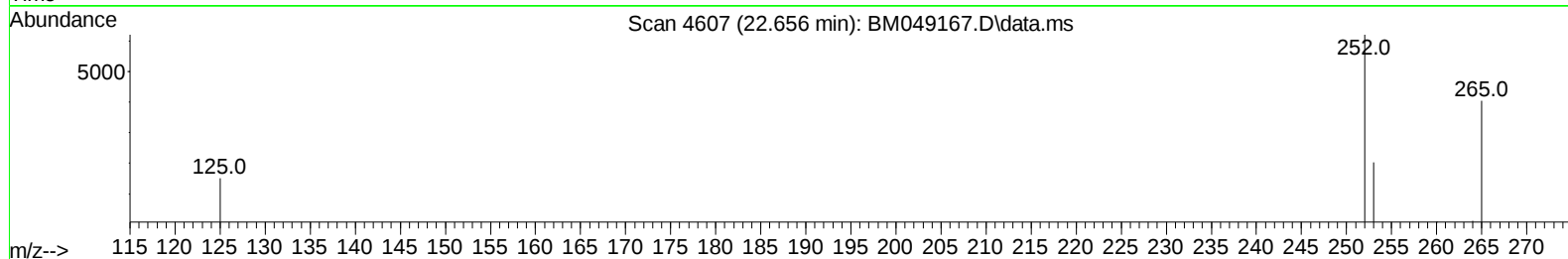
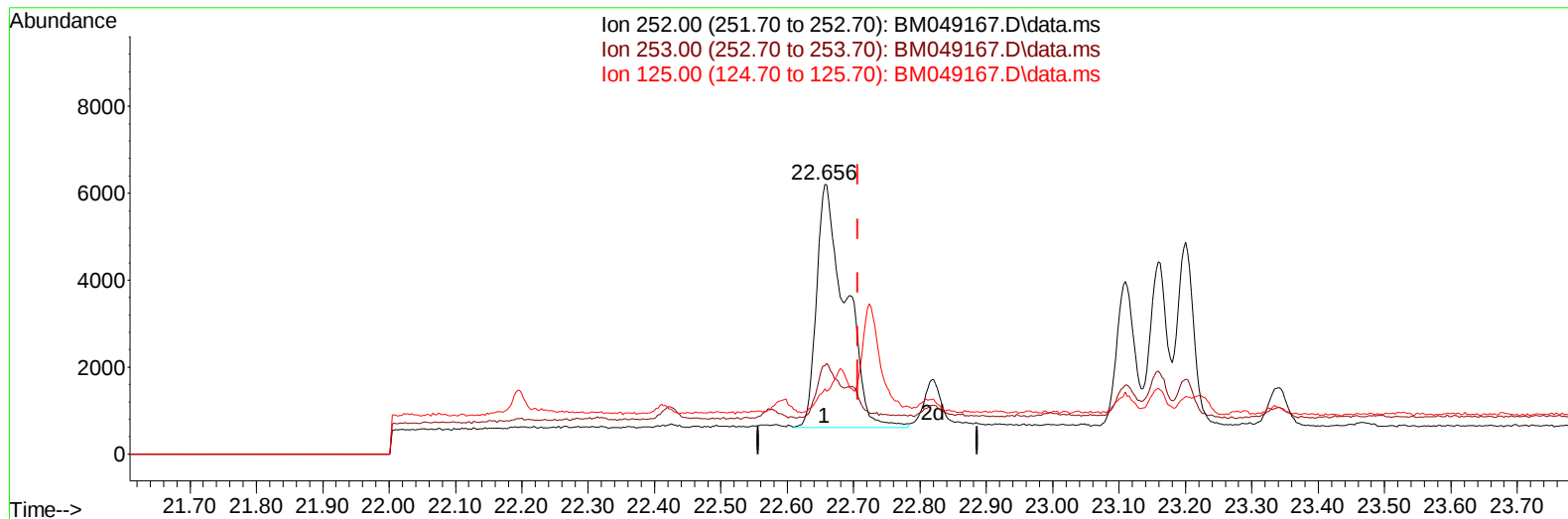
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049167.D
Acq On : 24 Dec 2024 04:03
Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AP8

Manual IntegrationsAPPROVED

Quant Time: Dec 24 04:30:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049167.D\data.ms

(25) Benzo(k)fluoranthene

22.656min (-0.050) 0.27 ng/u1

response 16888

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	32.79#
125.00	15.70	24.24#
0.00	0.00	0.00

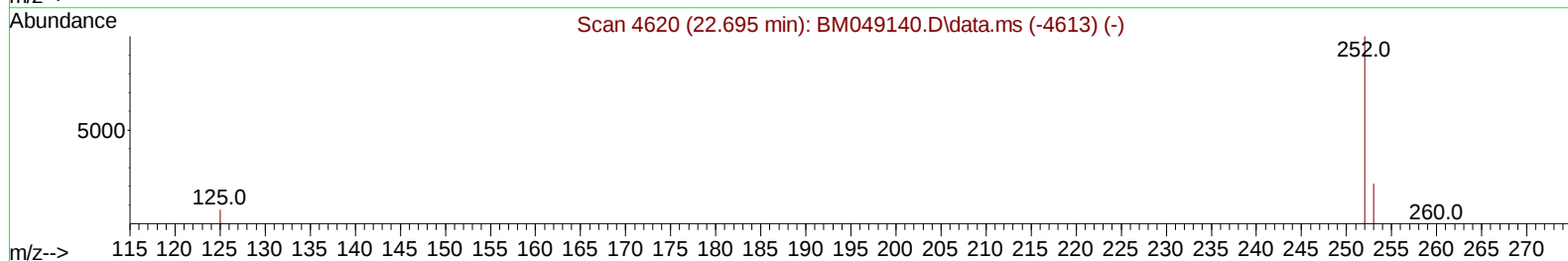
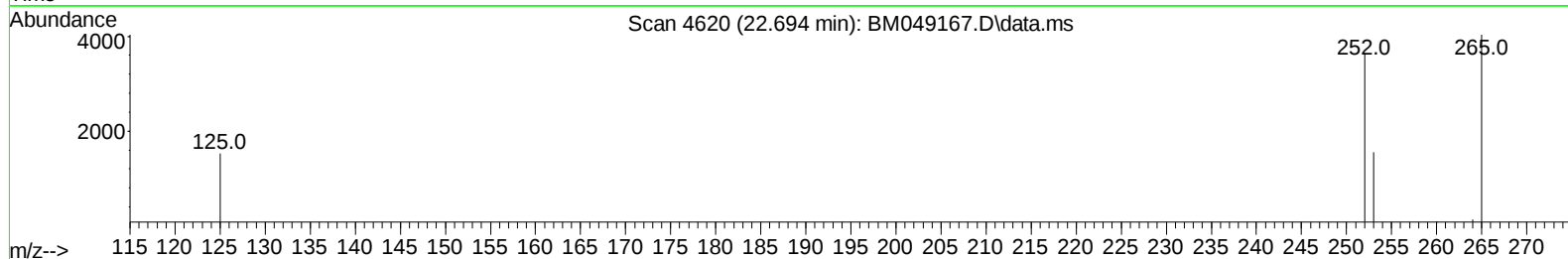
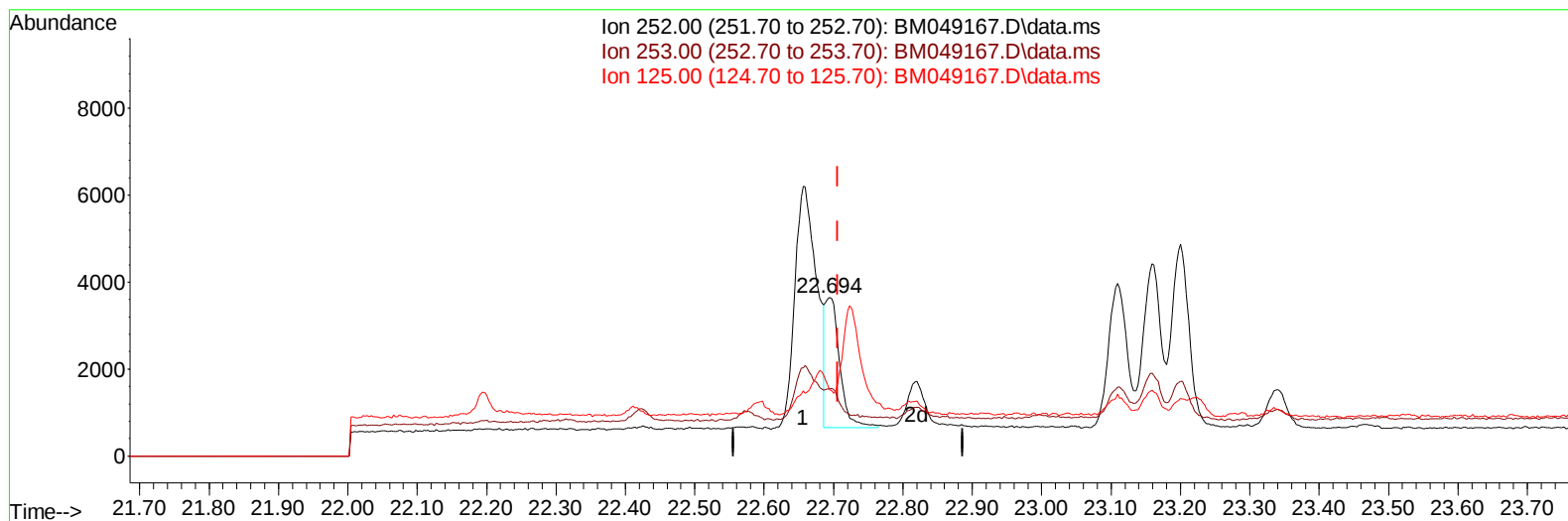
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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Operator : RC/JU
Sample : P5302-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM049167.D\data.ms

(25) Benzo(k)fluoranthene

22.694min (-0.012) 0.07 ng/u1 m

response 4311

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	42.42#
125.00	15.70	41.84#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049167.D
 Acq On : 24 Dec 2024 04:03
 Operator : RC/JU
 Sample : P5302-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AP8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 04:30:54 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152		5518	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136		16467	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.187	164		9155	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188		20400m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.140	240		18408m	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264		18041m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.143	96		34712	5.455	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152		8209	0.371	ng/ul	0.00
18) Fluoranthene-d10	18.974	212		18920	0.362	ng/ul	0.00
Target Compounds							
							Qvalue
10) Acenaphthylene	13.905	152		2573	0.068	ng/ul#	91
15) Phenanthrene	16.976	178		5150m	0.097	ng/ul	
19) Fluoranthene	19.002	202		16674	0.251	ng/ul	99
20) Pyrene	19.365	202		13951m	0.197	ng/ul	
21) Benzo(a)anthracene	21.122	228		6028	0.094	ng/ul	93
22) Chrysene	21.175	228		7817	0.114	ng/ul	95
24) Benzo(b)fluoranthene	22.656	252		12373m	0.215	ng/ul	
25) Benzo(k)fluoranthene	22.694	252		4311m	0.068	ng/ul	
26) Benzo(a)pyrene	23.200	252		7131	0.129	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.430	276		6306	0.081	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.437	278		1422	0.023	ng/ul#	21
29) Benzo(g,h,i)perylene	26.077	276		6550	0.104	ng/ul#	92

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

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