

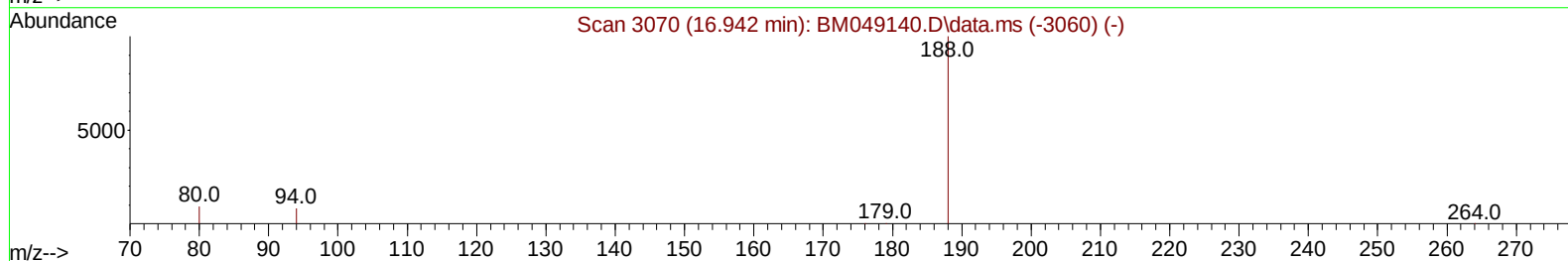
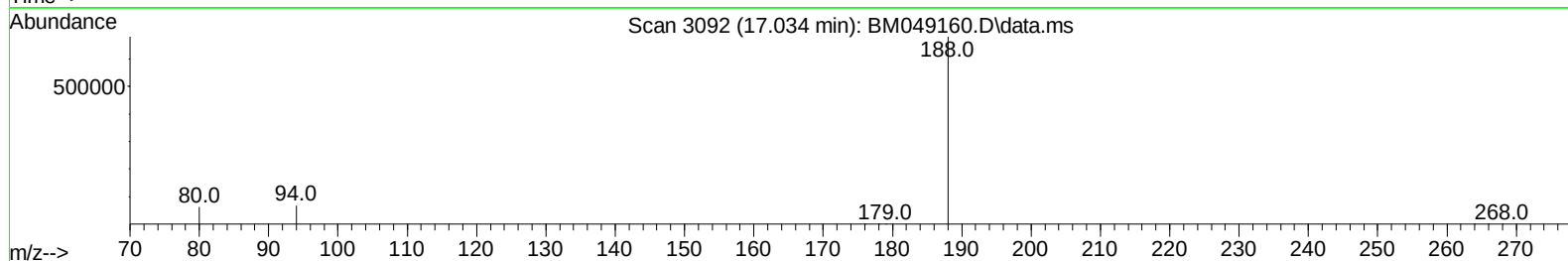
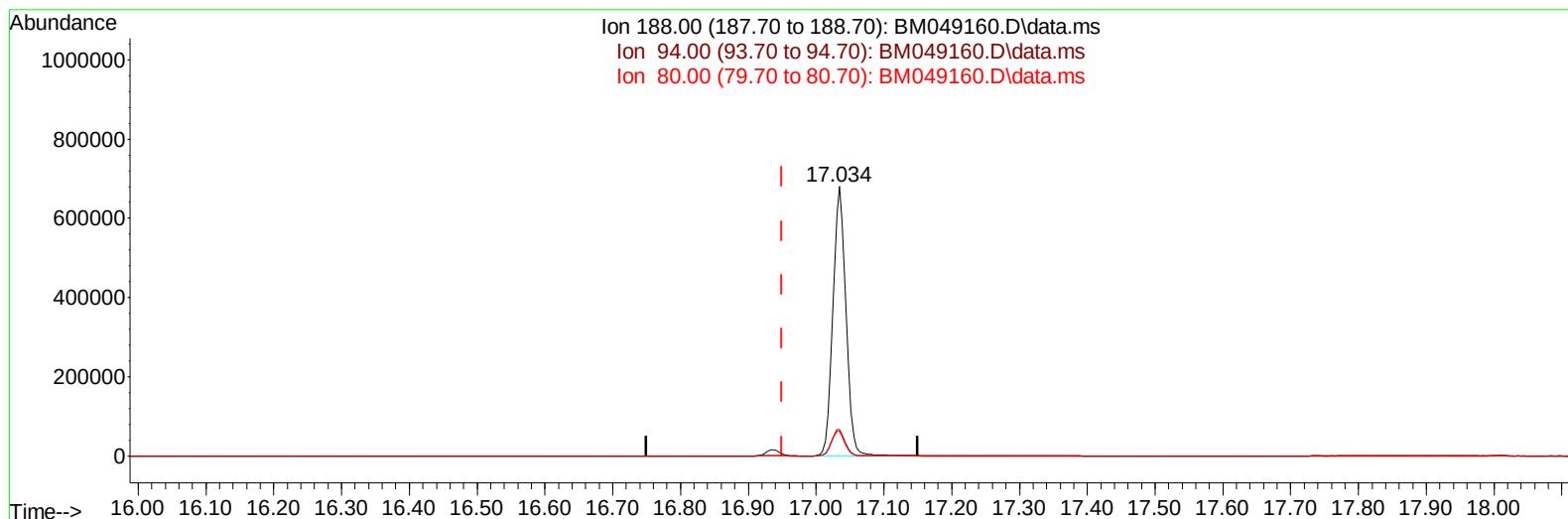
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(13) Phenanthrene-d10 (I)

17.034min (+ 0.085) 0.40 ng/u1

response 905497

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.90
80.00	10.70	9.05
0.00	0.00	0.00

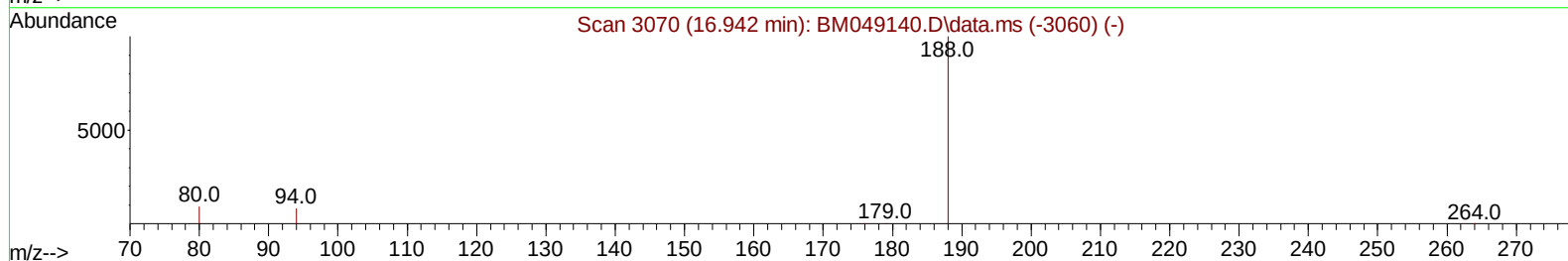
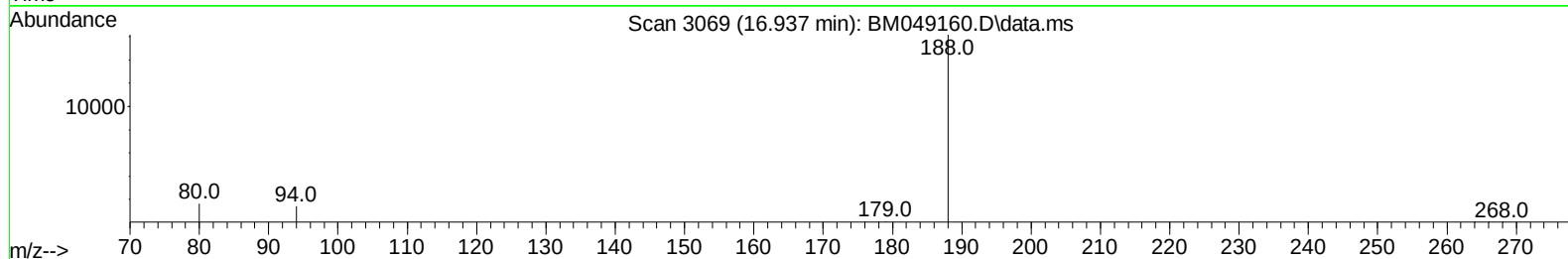
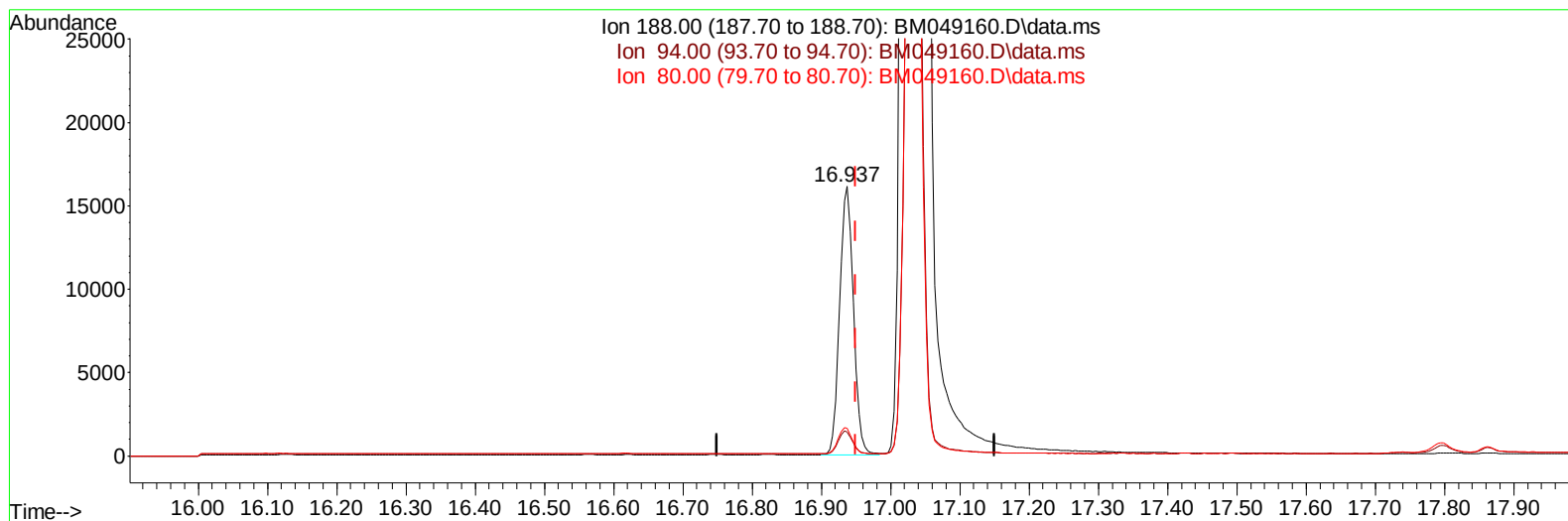
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(13) Phenanthrene-d10 (I)

16.937min (-0.013) 0.40 ng/ul m

response 22200

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	8.95
80.00	10.70	10.19
0.00	0.00	0.00

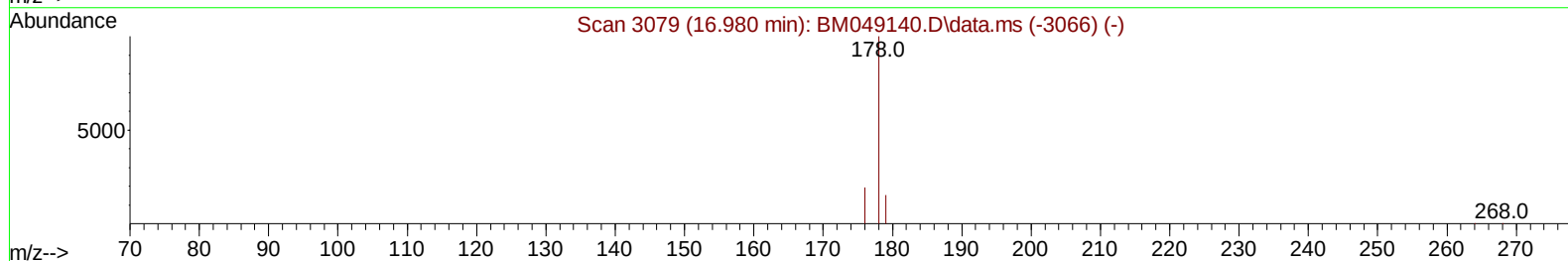
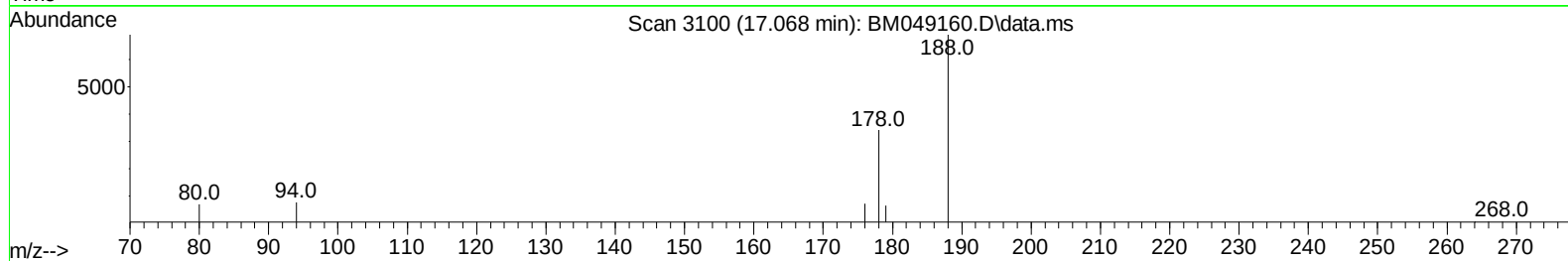
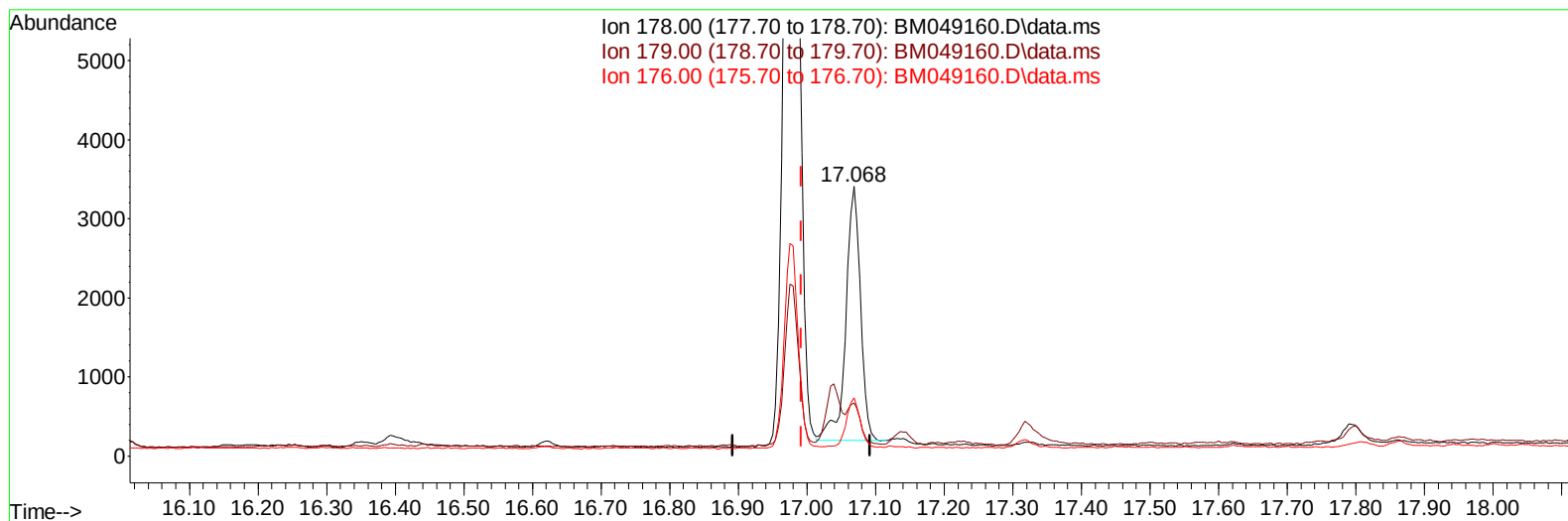
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(15) Phenanthrene

17.068min (+ 0.076) 0.08 ng/u1

response 4762

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.67#
176.00	20.20	21.49
0.00	0.00	0.00

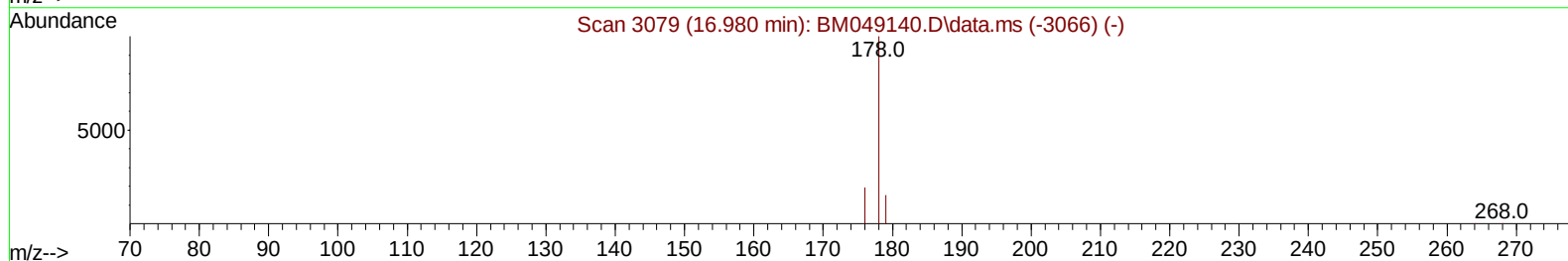
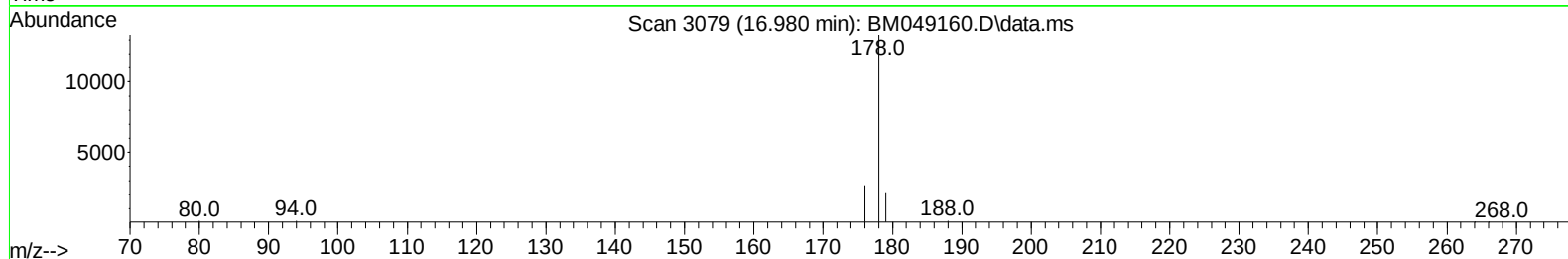
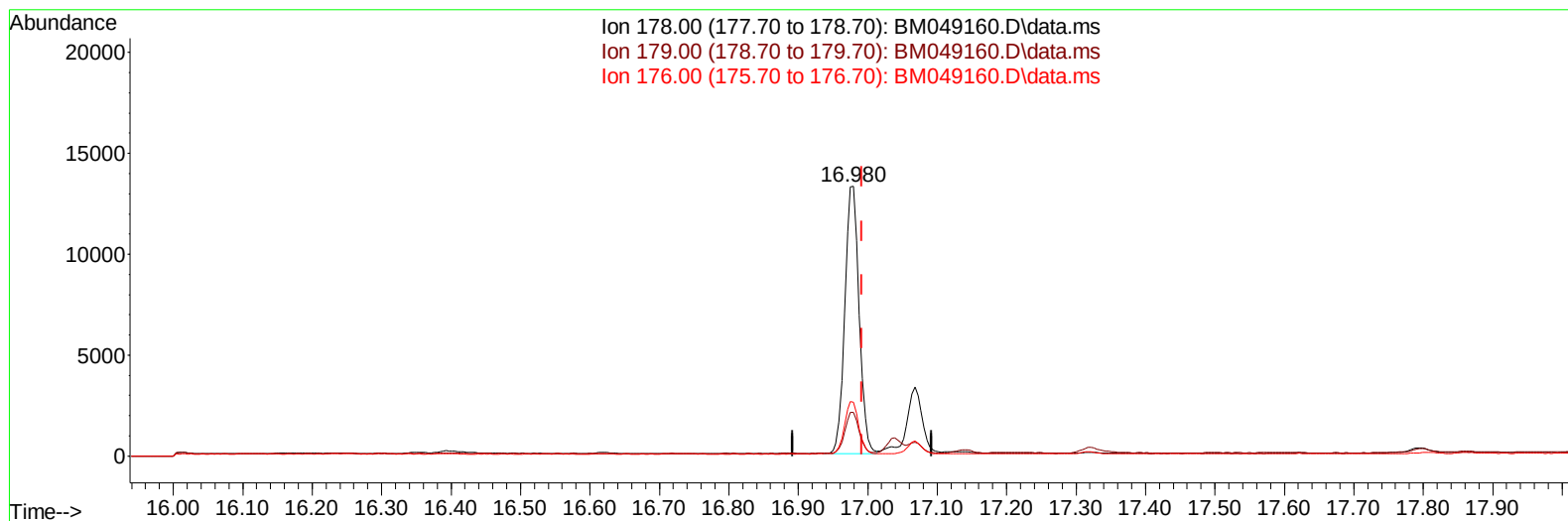
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(15) Phenanthrene

16.980min (-0.013) 0.33 ng/ul m

response 18960

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.11
176.00	20.20	19.85
0.00	0.00	0.00

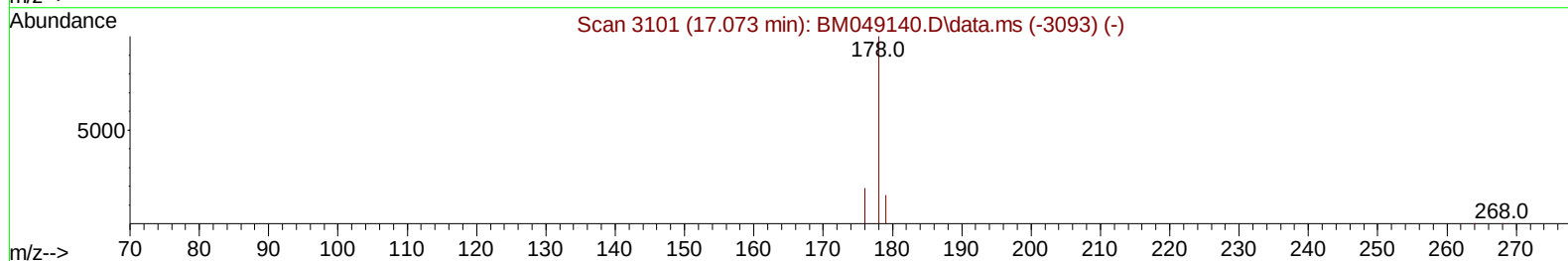
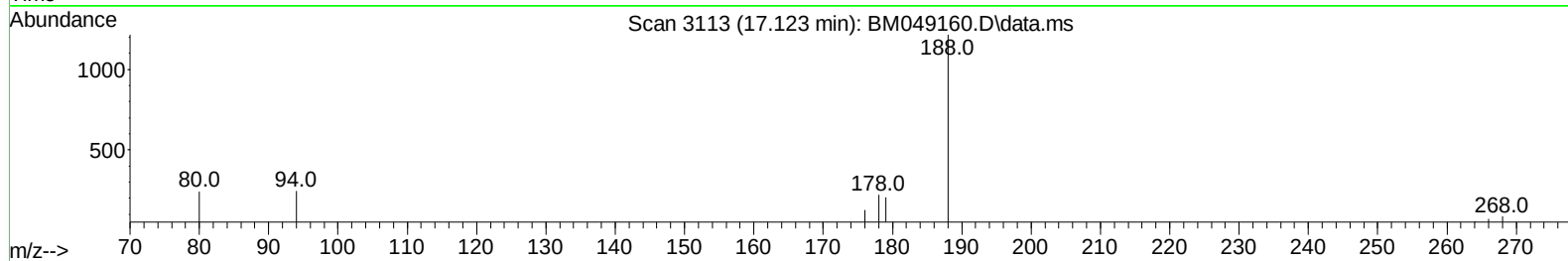
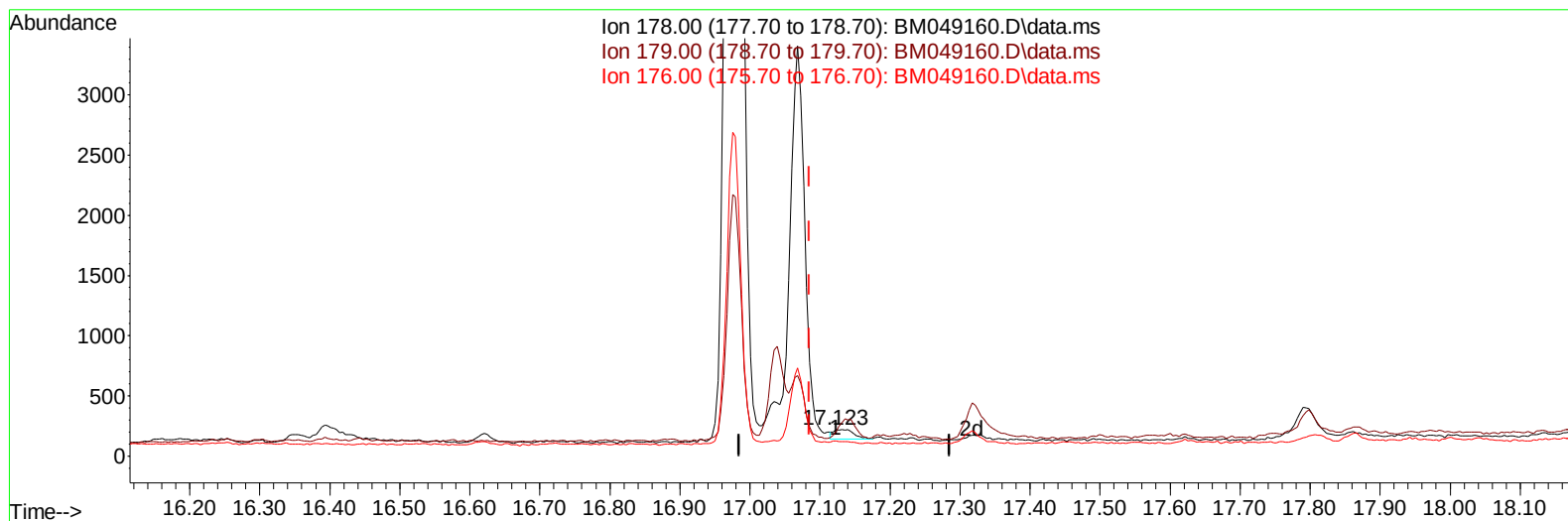
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(16) Anthracene

17.123min (+ 0.038) 0.00 ng/u1

response 166

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	93.18#
176.00	19.10	56.82#
0.00	0.00	0.00

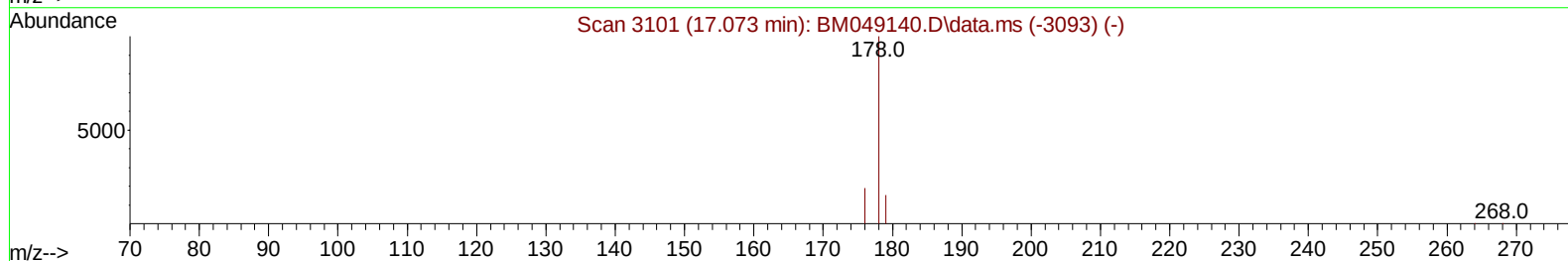
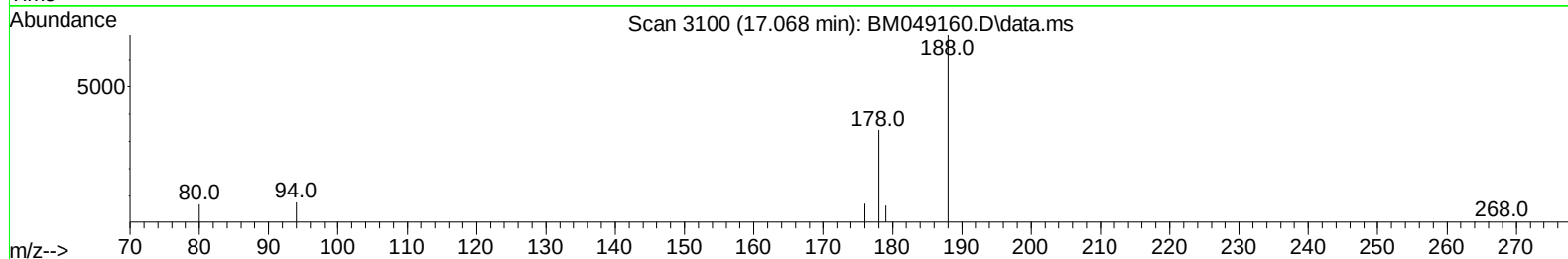
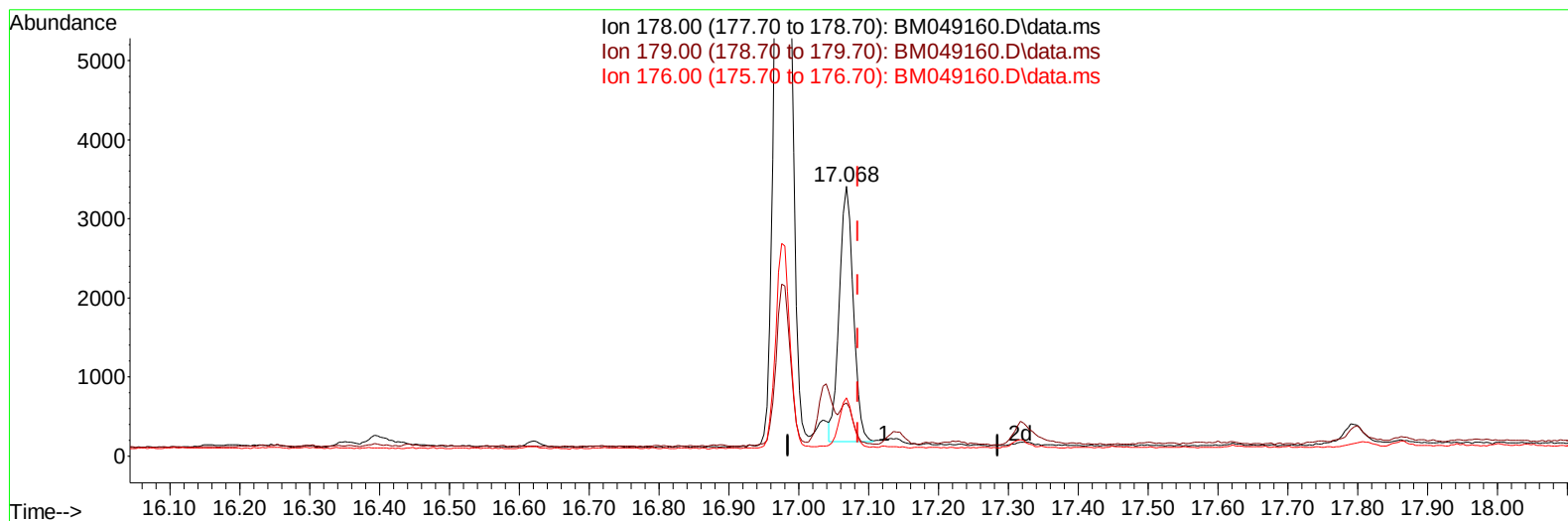
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(16) Anthracene

17.068min (-0.017) 0.08 ng/ul m

response 4502

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	19.67#
176.00	19.10	21.49
0.00	0.00	0.00

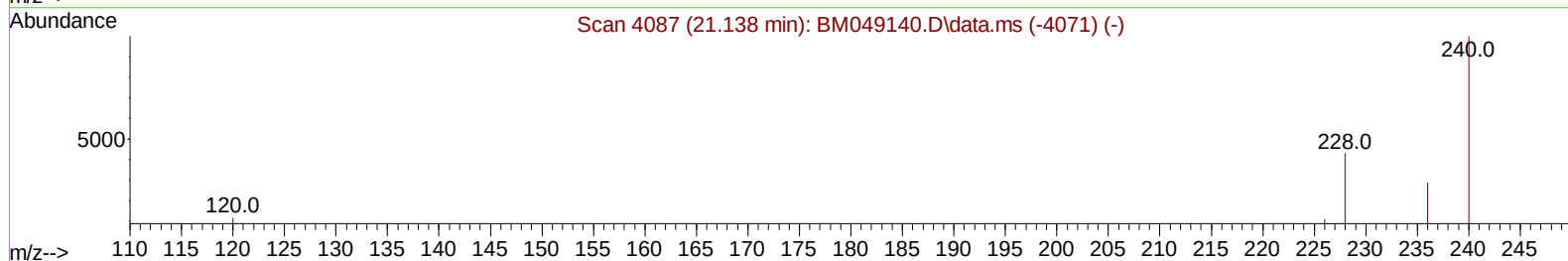
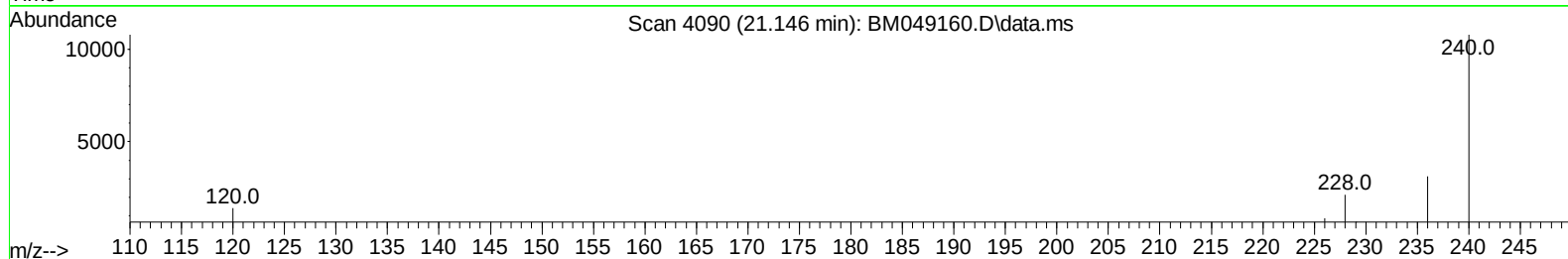
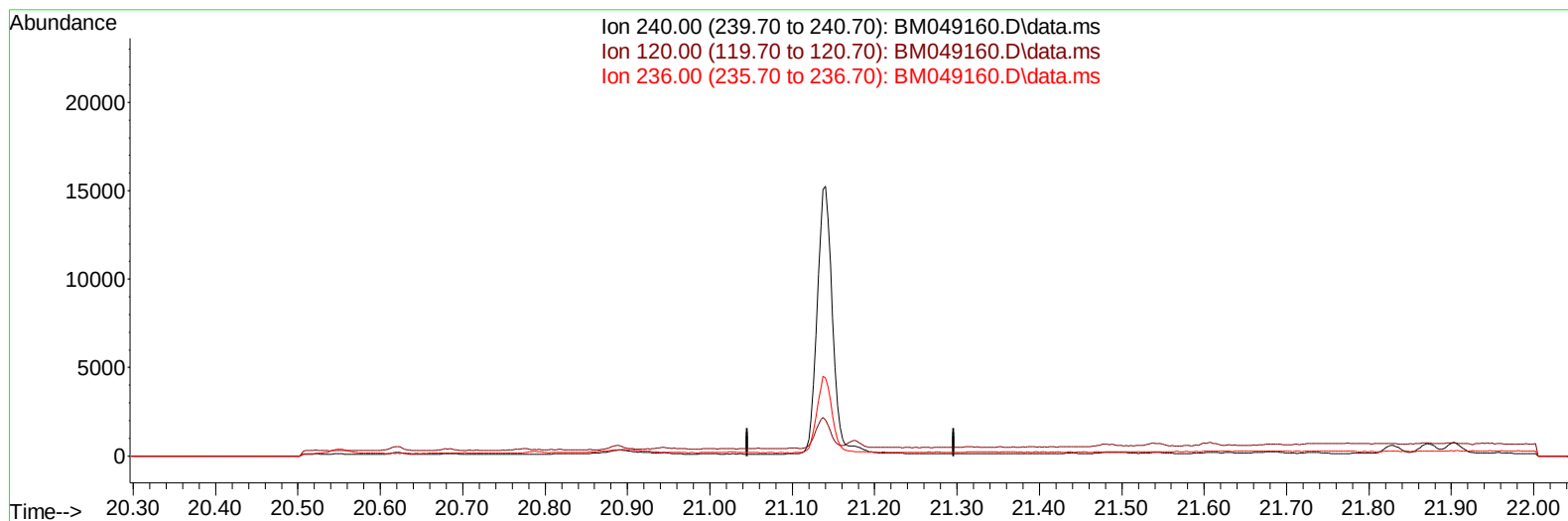
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.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

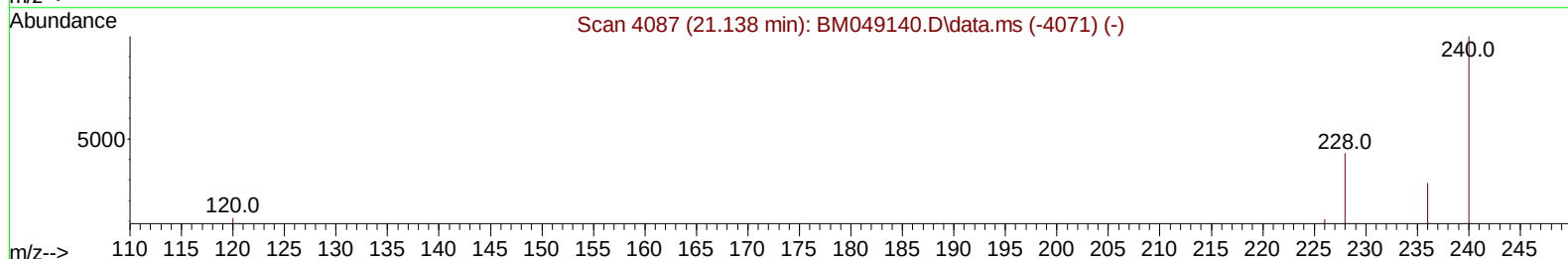
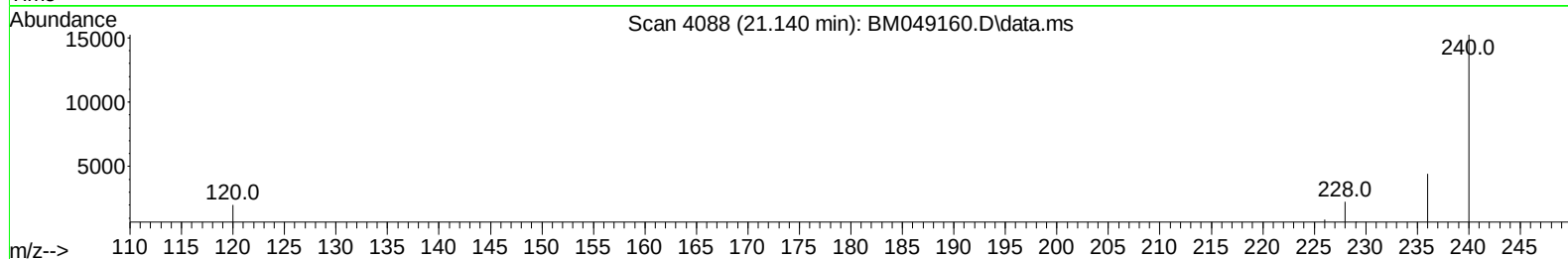
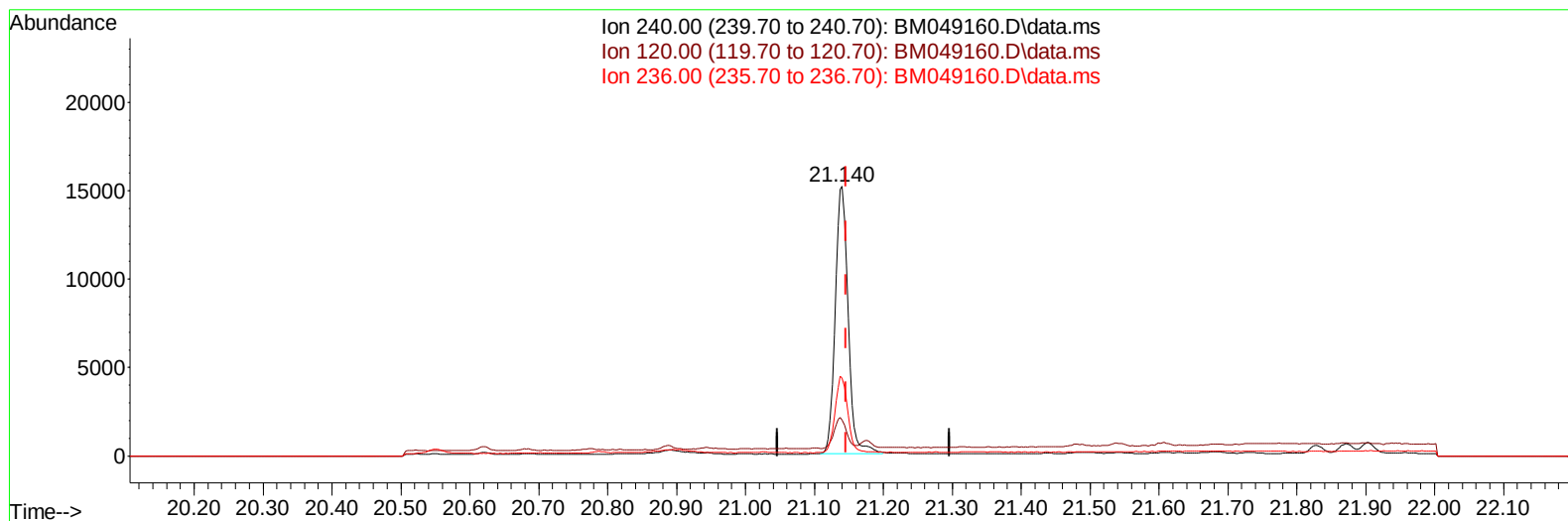
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(17) Chrysene-d12

21.140min (-0.006) 0.40 ng/ul m

response 19704

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.26
236.00	29.80	28.94
0.00	0.00	0.00

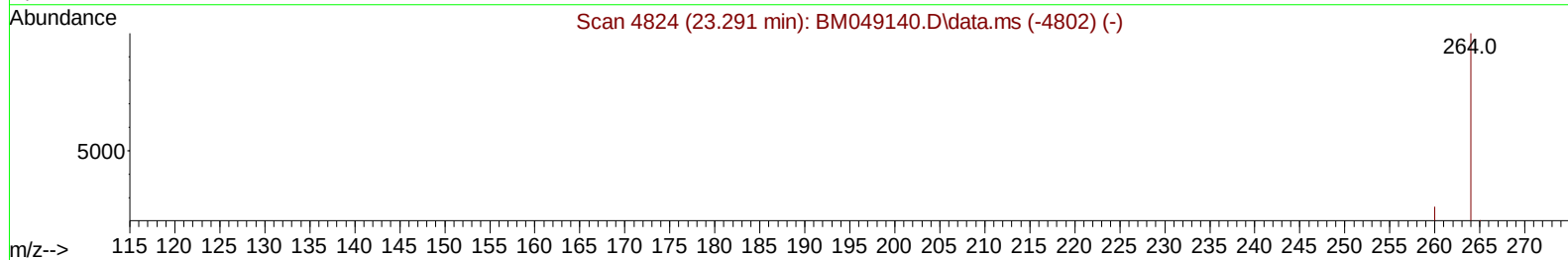
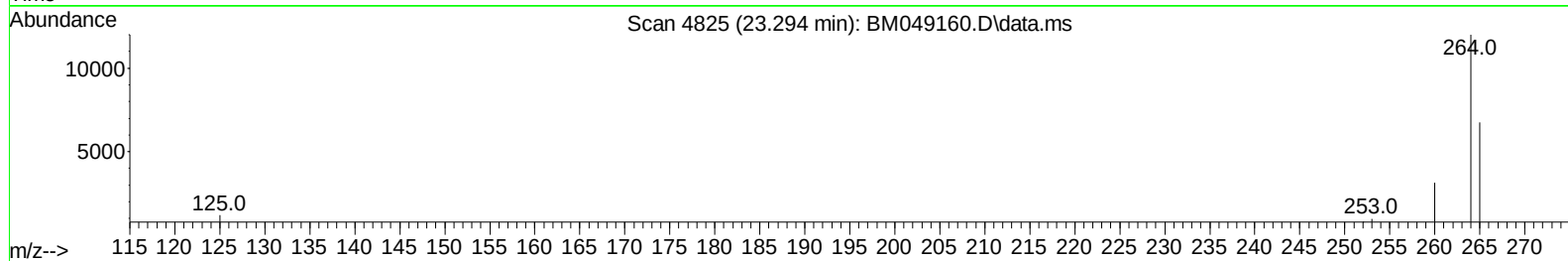
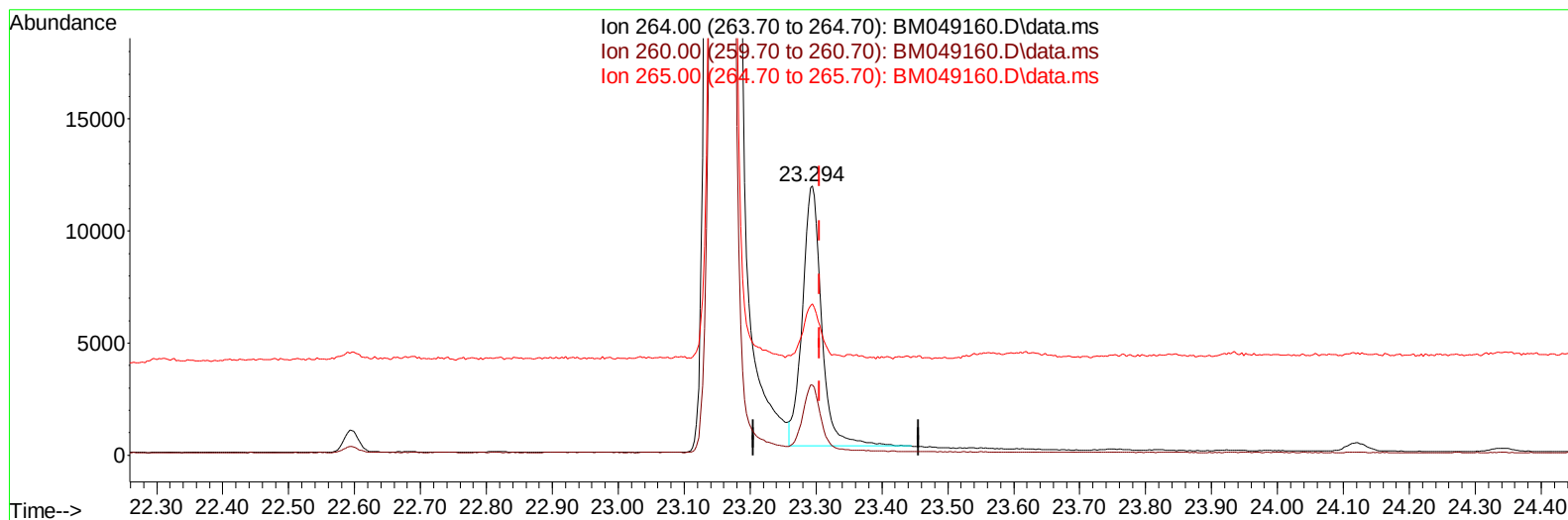
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/u1

response 23615

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.11
265.00	78.30	56.24#
0.00	0.00	0.00

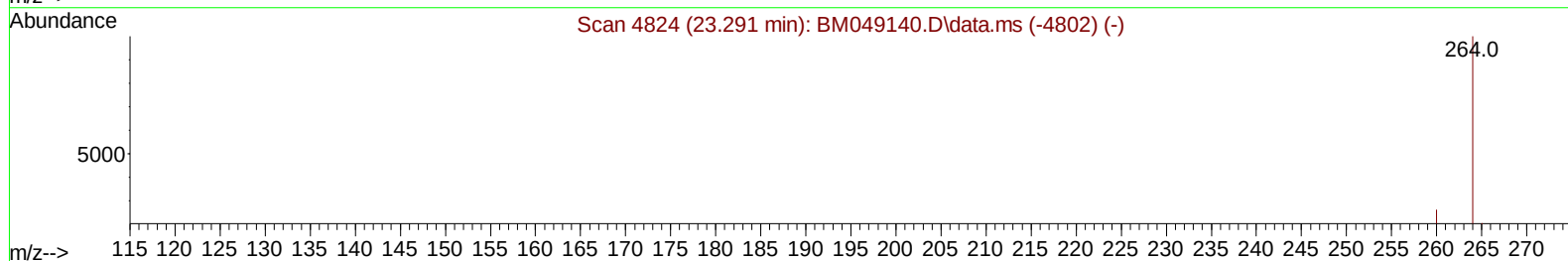
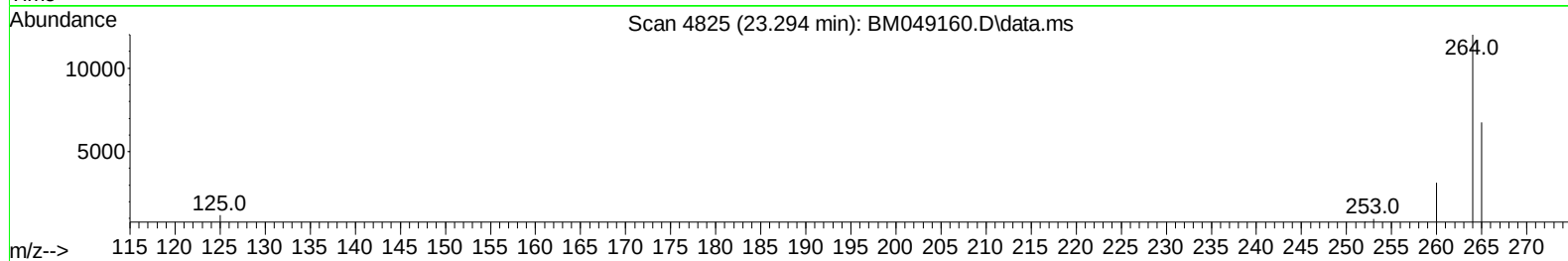
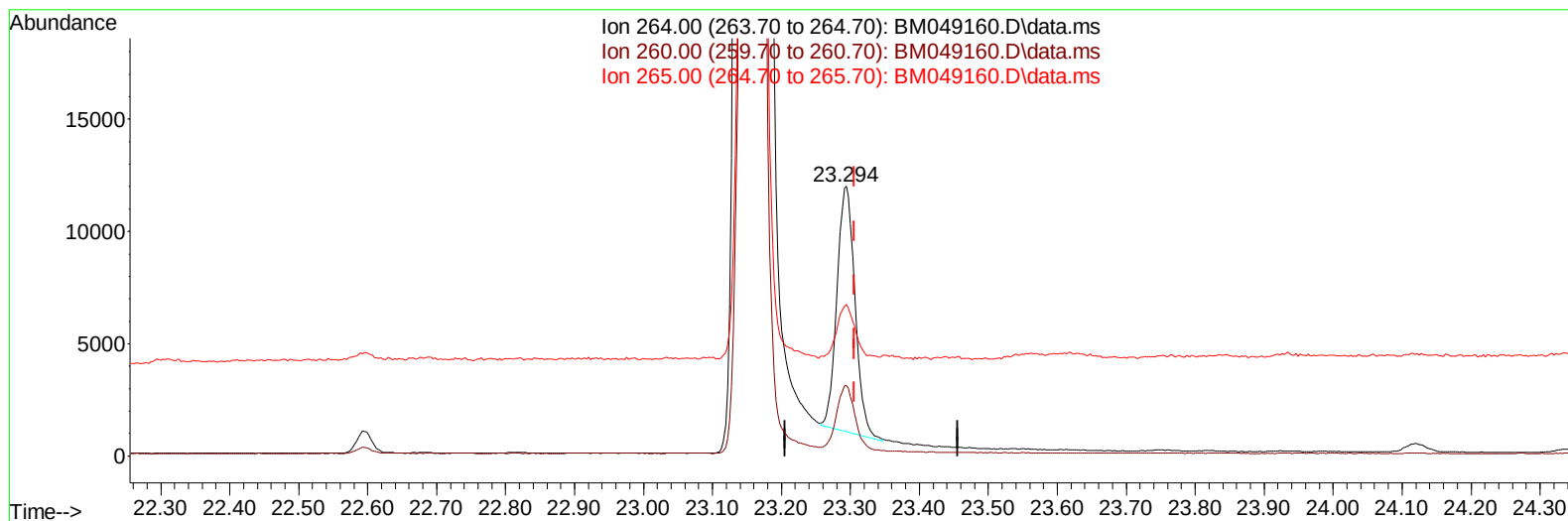
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(23) Perylene-d12 (I)

23.294min (-0.012) 0.40 ng/ul m

response 19797

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.11
265.00	78.30	56.24#
0.00	0.00	0.00

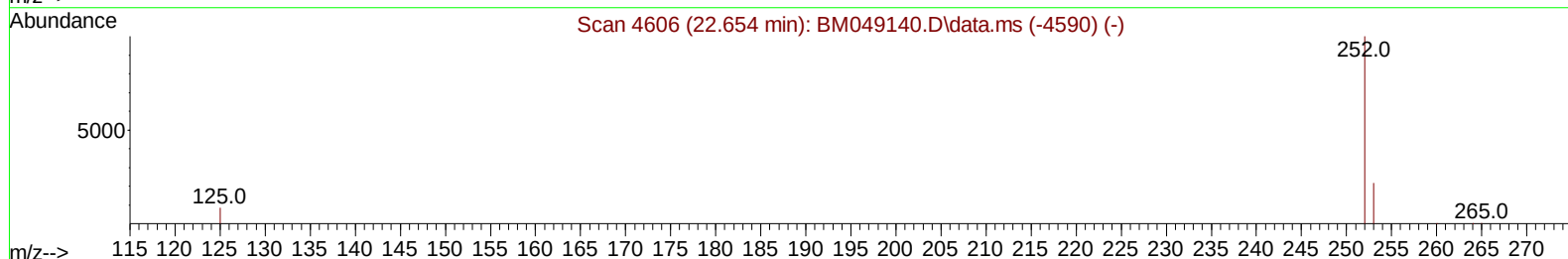
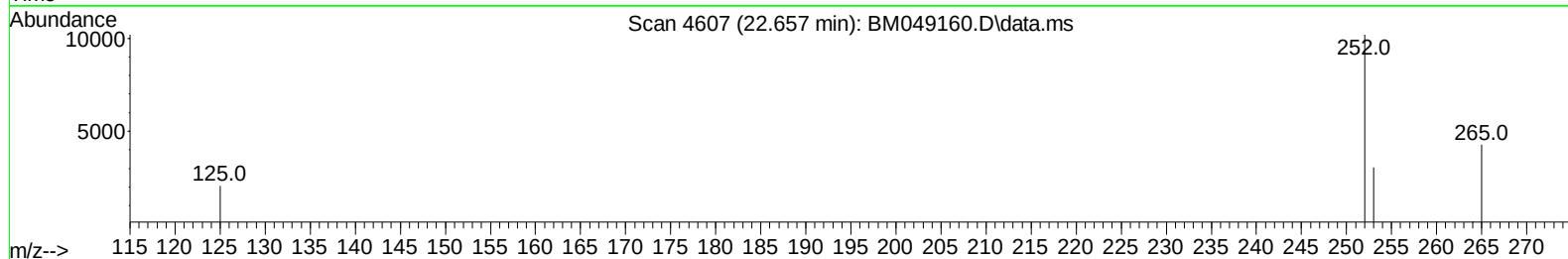
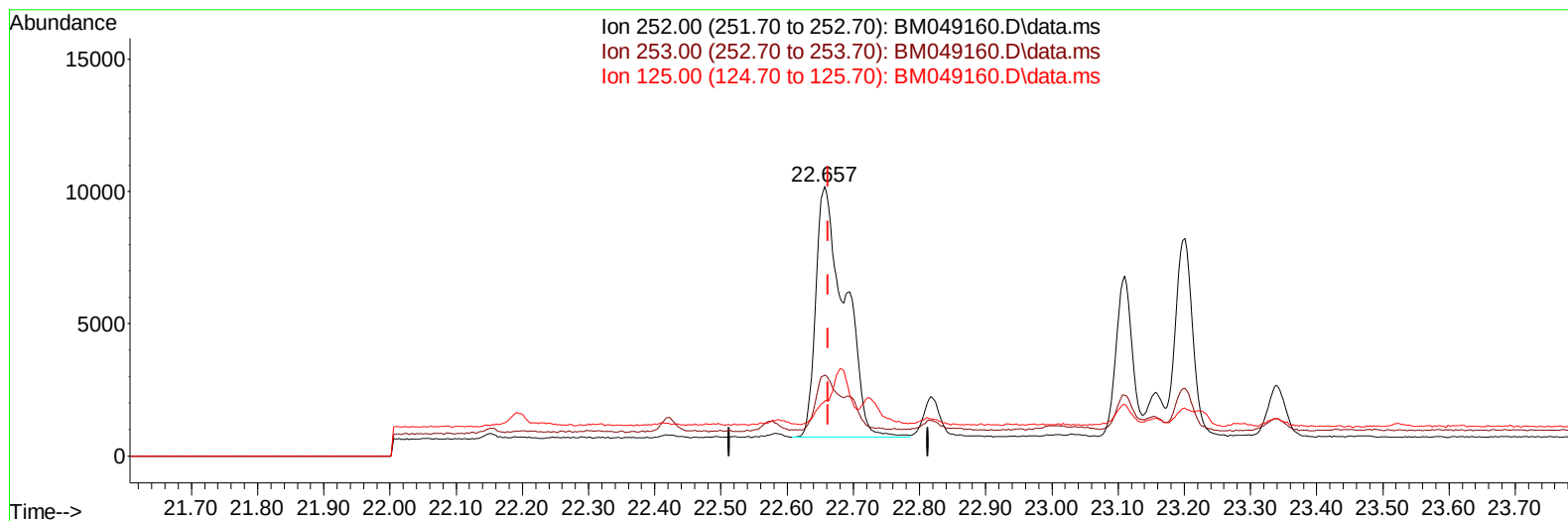
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Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.46 ng/uI

response 28861

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	30.08
125.00	15.40	20.39
0.00	0.00	0.00

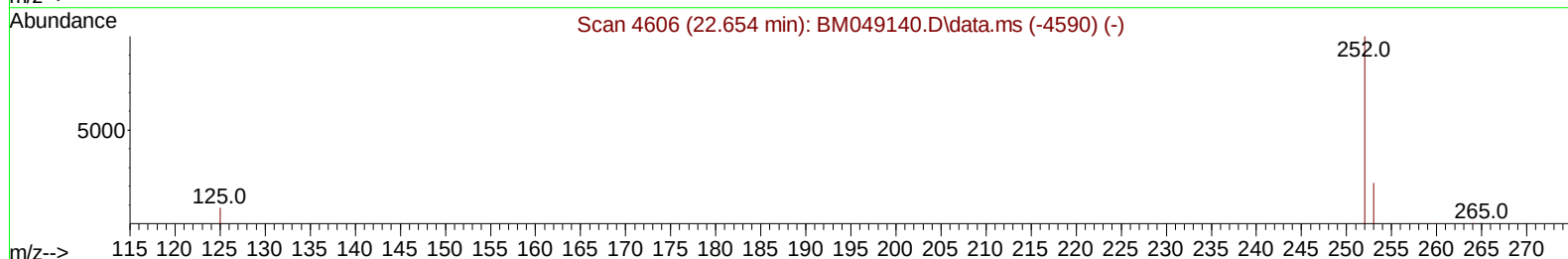
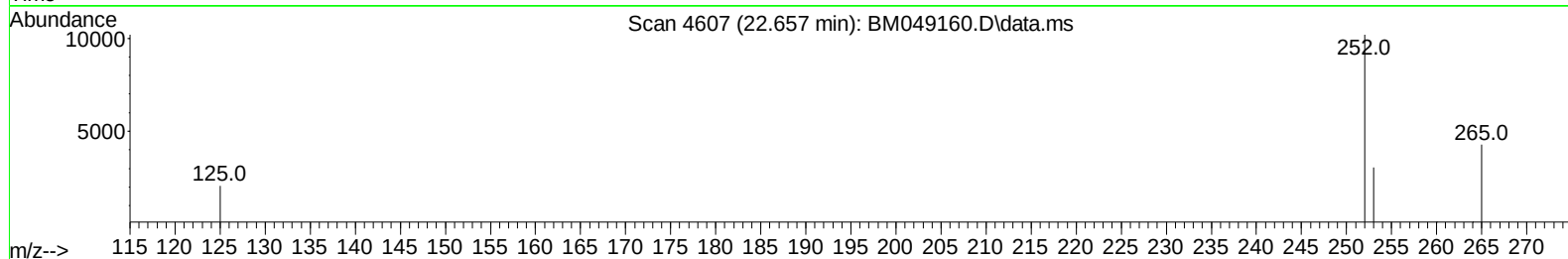
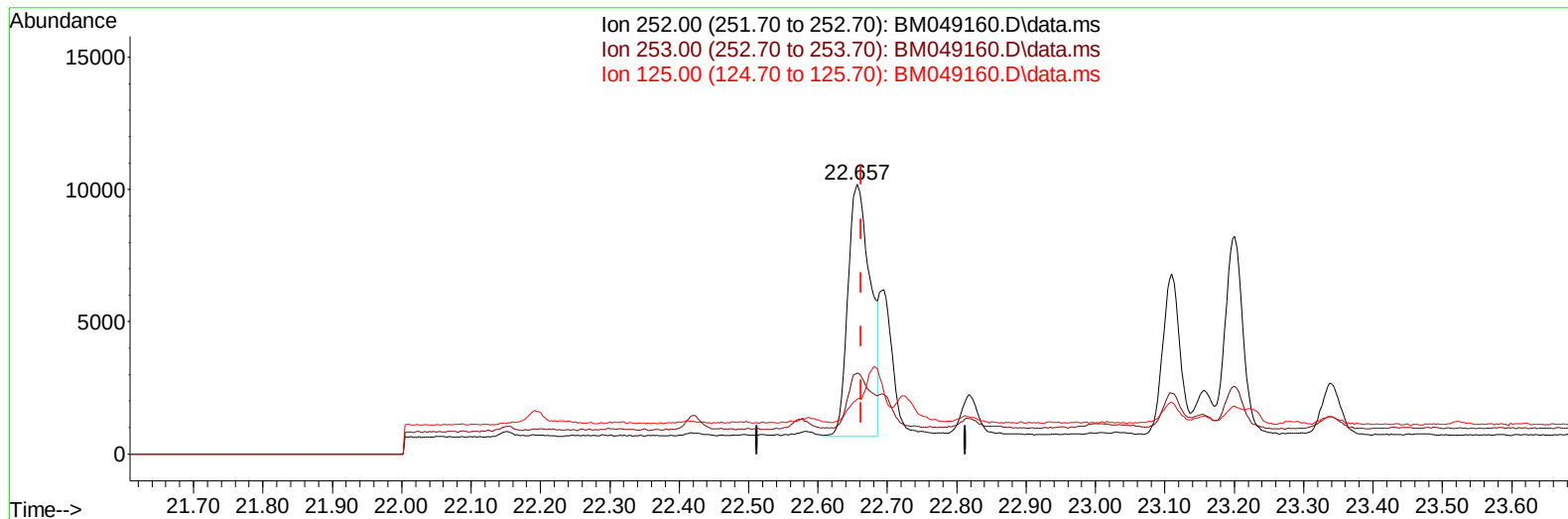
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(24) Benzo(b)fluoranthene

22.657min (-0.006) 0.34 ng/ul m

response 21635

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	30.08
125.00	15.40	20.39
0.00	0.00	0.00

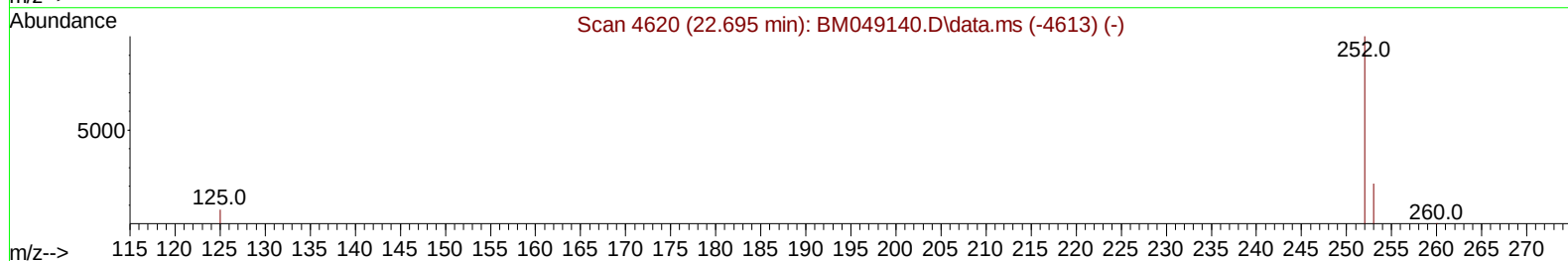
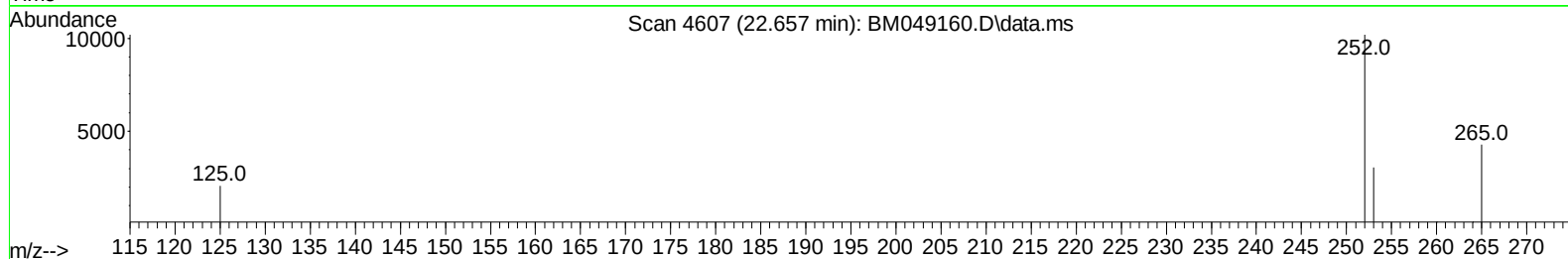
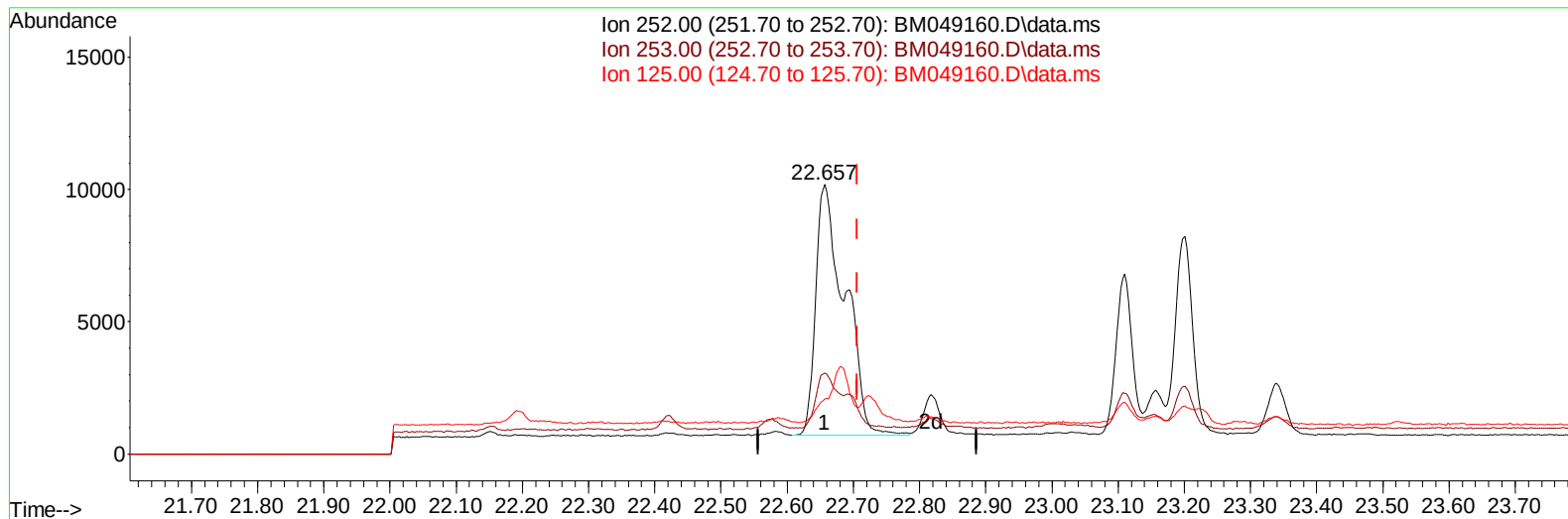
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(25) Benzo(k)fluoranthene

22.657min (-0.050) 0.42 ng/u1

response 28861

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	30.08
125.00	15.70	20.39#
0.00	0.00	0.00

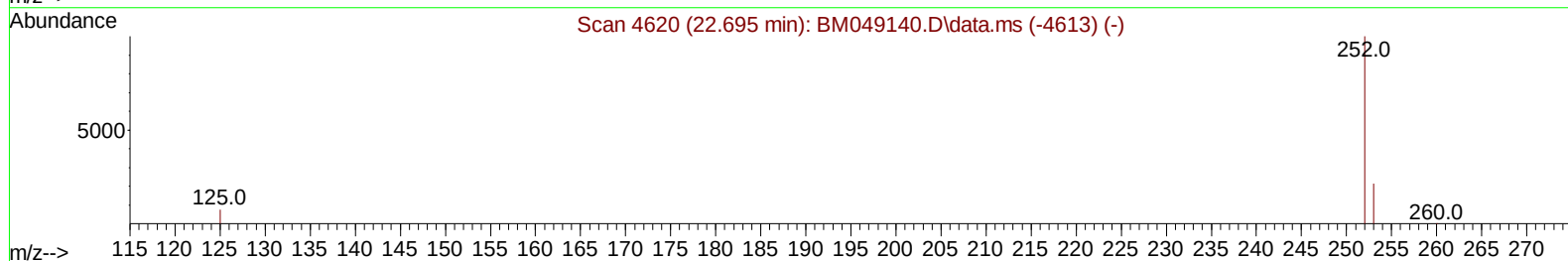
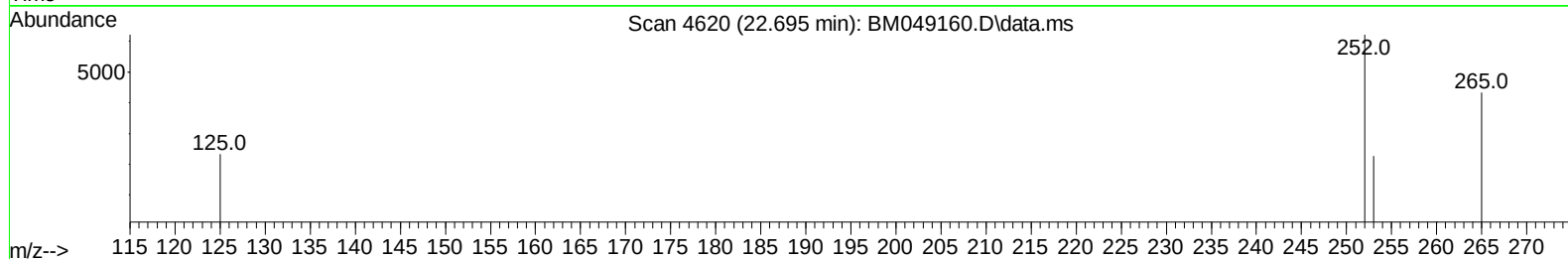
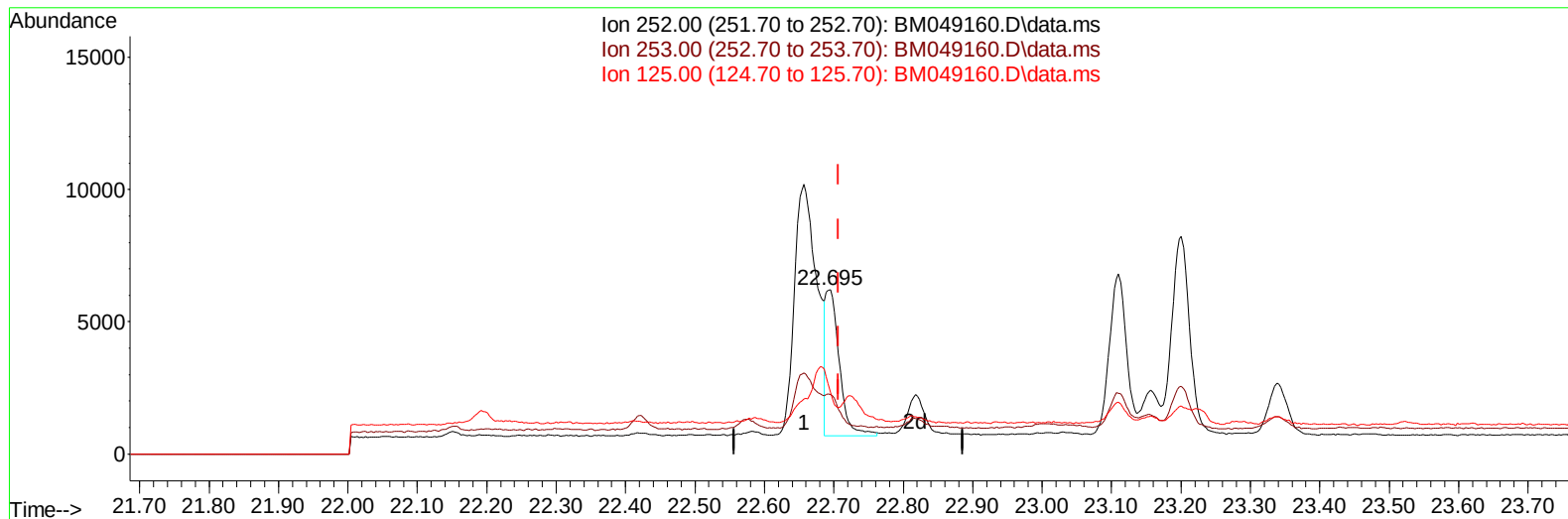
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049160.D
Acq On : 23 Dec 2024 23:55
Operator : RC/JU
Sample : P5333-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2905

Manual IntegrationsAPPROVED

Quant Time: Dec 24 00:22:54 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: BM049160.D\data.ms

(25) Benzo(k)fluoranthene

22.695min (-0.012) 0.11 ng/ul m

response 7494

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	36.35#
125.00	15.70	37.46#
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	7.552	152	6133	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	18393	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	10147	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.937	188	22200m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.140	240	19704m	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264	19797m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	23135	3.271	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152	5160	0.209	ng/ul	-0.01
18) Fluoranthene-d10	18.973	212	9980	0.179	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.363	128	1880	0.041	ng/ul#	85
7) 2-Methylnaphthalene	11.991	142	1078	0.037	ng/ul	99
8) 1-Methylnaphthalene	12.206	142	786	0.026	ng/ul	99
11) Acenaphthene	14.251	153	947	0.031	ng/ul	94
12) Fluorene	15.241	166	1045	0.030	ng/ul#	96
15) Phenanthrene	16.980	178	18960m	0.327	ng/ul	
16) Anthracene	17.068	178	4502m	0.085	ng/ul	
19) Fluoranthene	19.001	202	33482	0.470	ng/ul	99
20) Pyrene	19.363	202	29055	0.382	ng/ul	99
21) Benzo(a)anthracene	21.123	228	13324	0.194	ng/ul	98
22) Chrysene	21.175	228	14465	0.197	ng/ul	95
24) Benzo(b)fluoranthene	22.657	252	21635m	0.342	ng/ul	
25) Benzo(k)fluoranthene	22.695	252	7494m	0.108	ng/ul	
26) Benzo(a)pyrene	23.201	252	13480	0.222	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.424	276	11447	0.133	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.434	278	2327	0.035	ng/ul#	45
29) Benzo(g,h,i)perylene	26.081	276	11741	0.170	ng/ul	95

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

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