

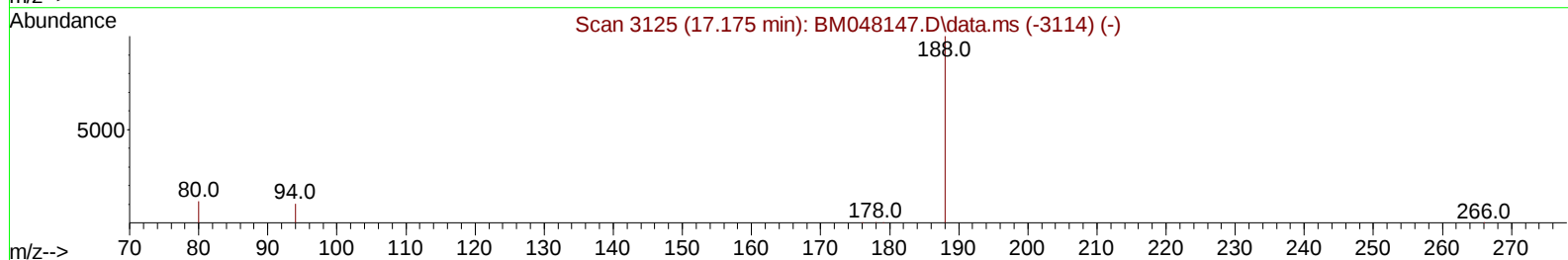
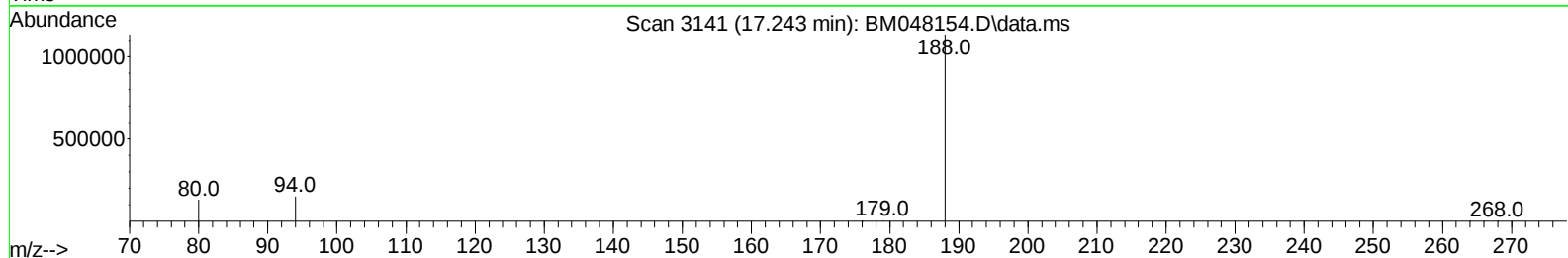
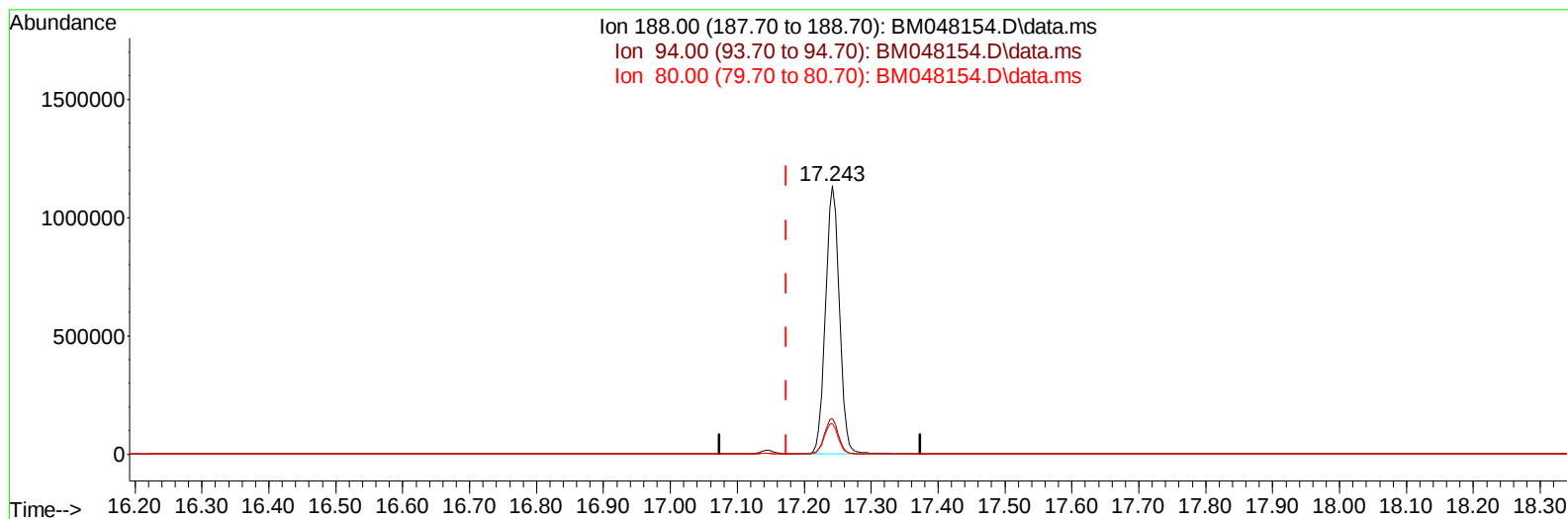
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(13) Phenanthrene-d10 (I)

17.243min (+ 0.069) 0.40 ng/u1

response 1656509

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	13.37
80.00	12.40	11.47
0.00	0.00	0.00

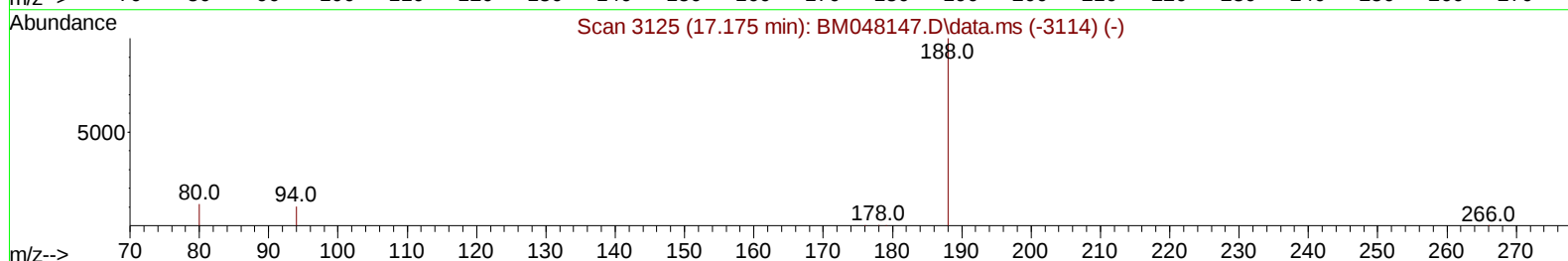
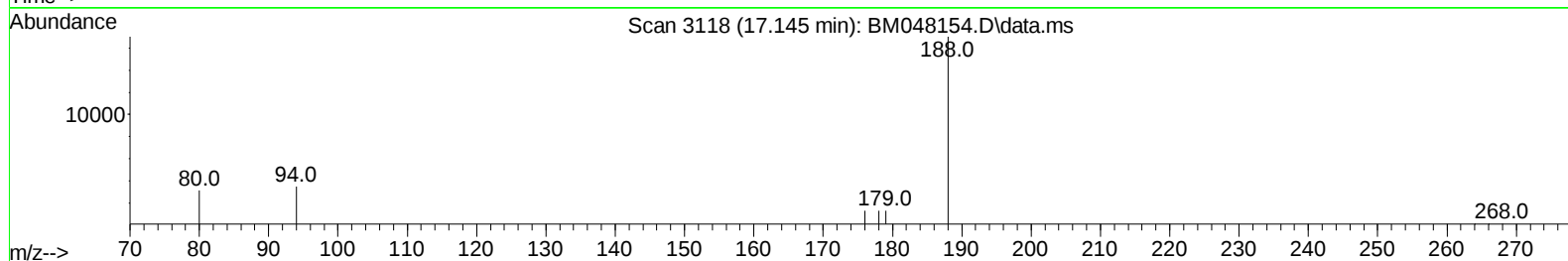
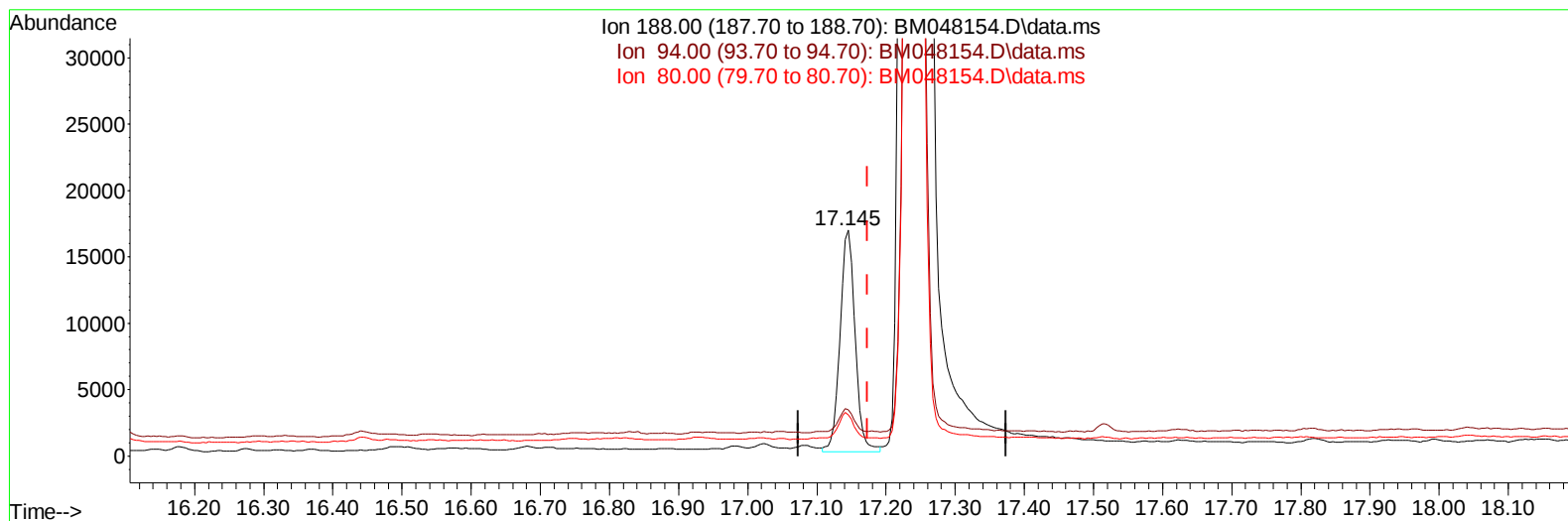
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(13) Phenanthrene-d10 (I)

17.145min (-0.028) 0.40 ng/ul m

response 25066

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	20.52#
80.00	12.40	18.22#
0.00	0.00	0.00

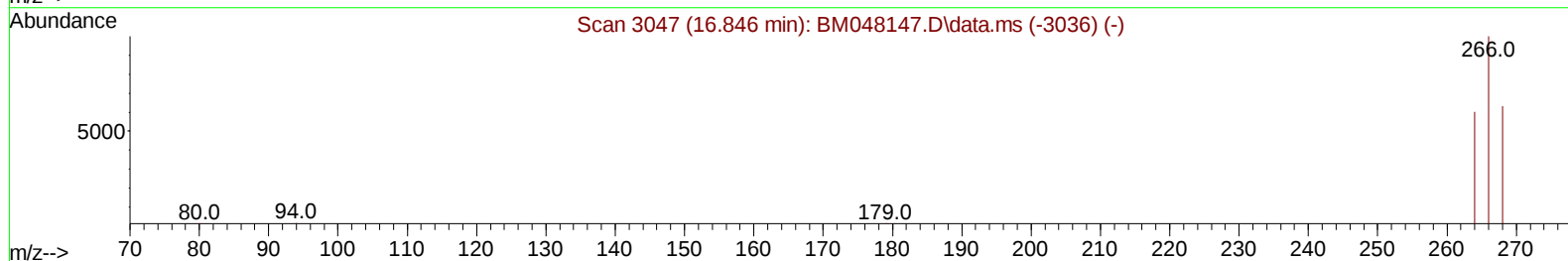
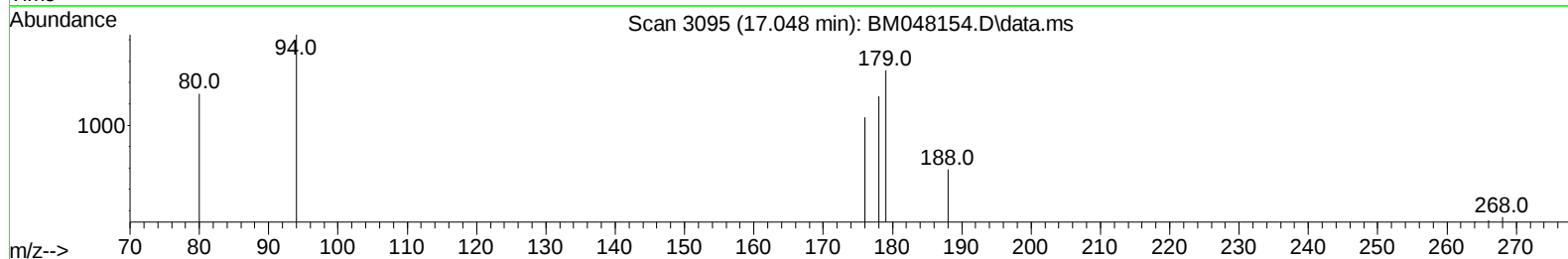
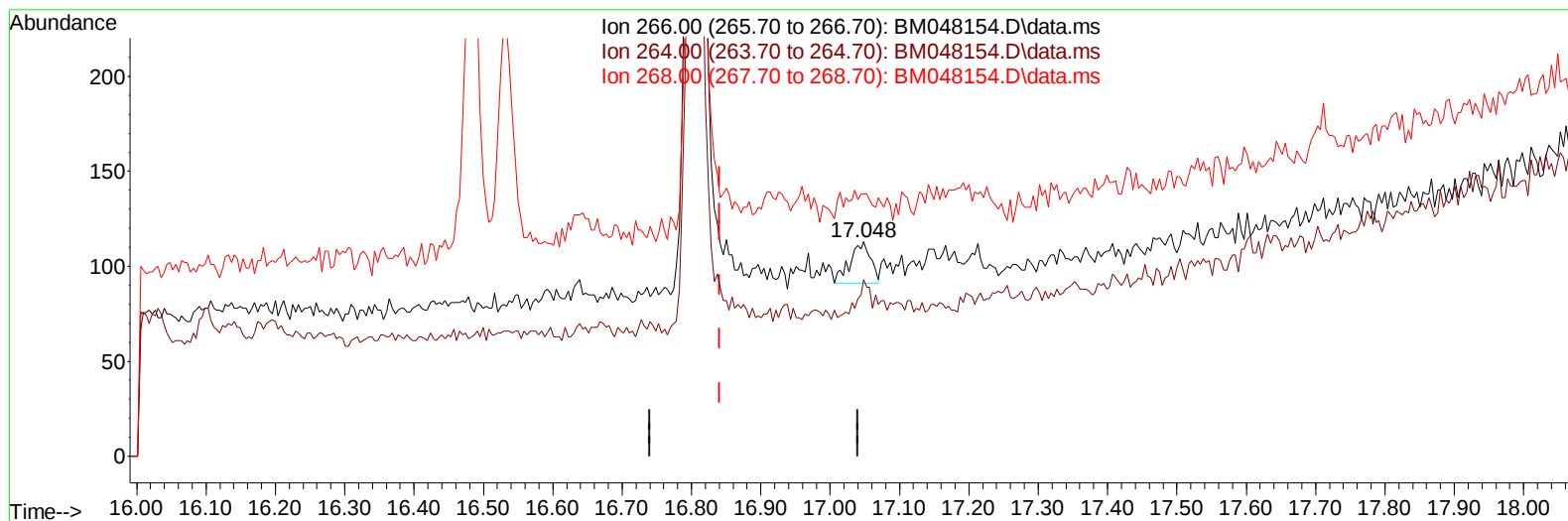
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(14) Pentachloropheno1

17.048min (+ 0.208) 0.01 ng/u1

response 45

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	62.70	68.89
268.00	64.70	0.00#
0.00	0.00	0.00

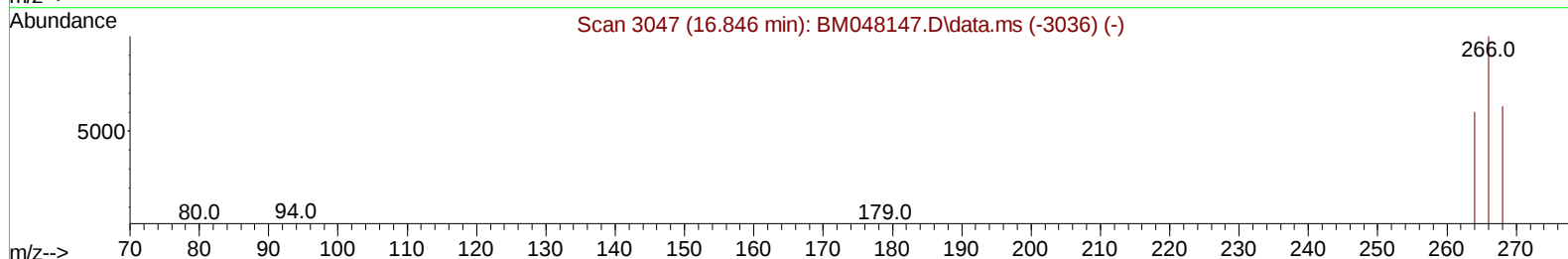
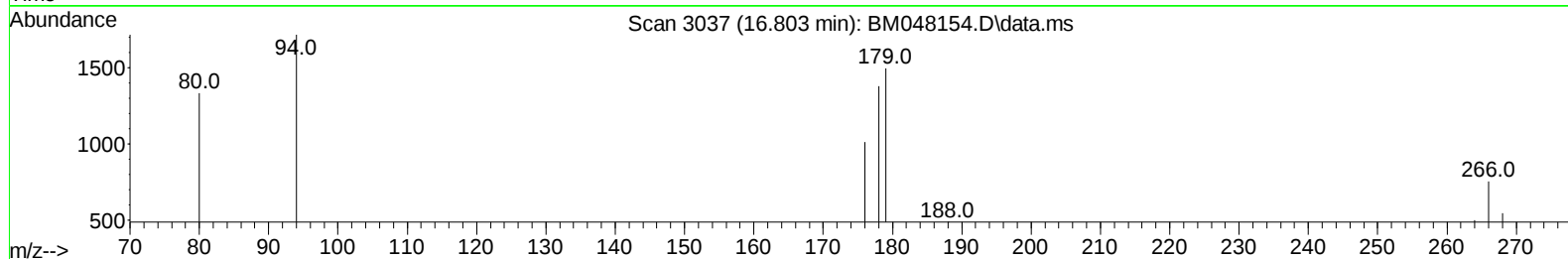
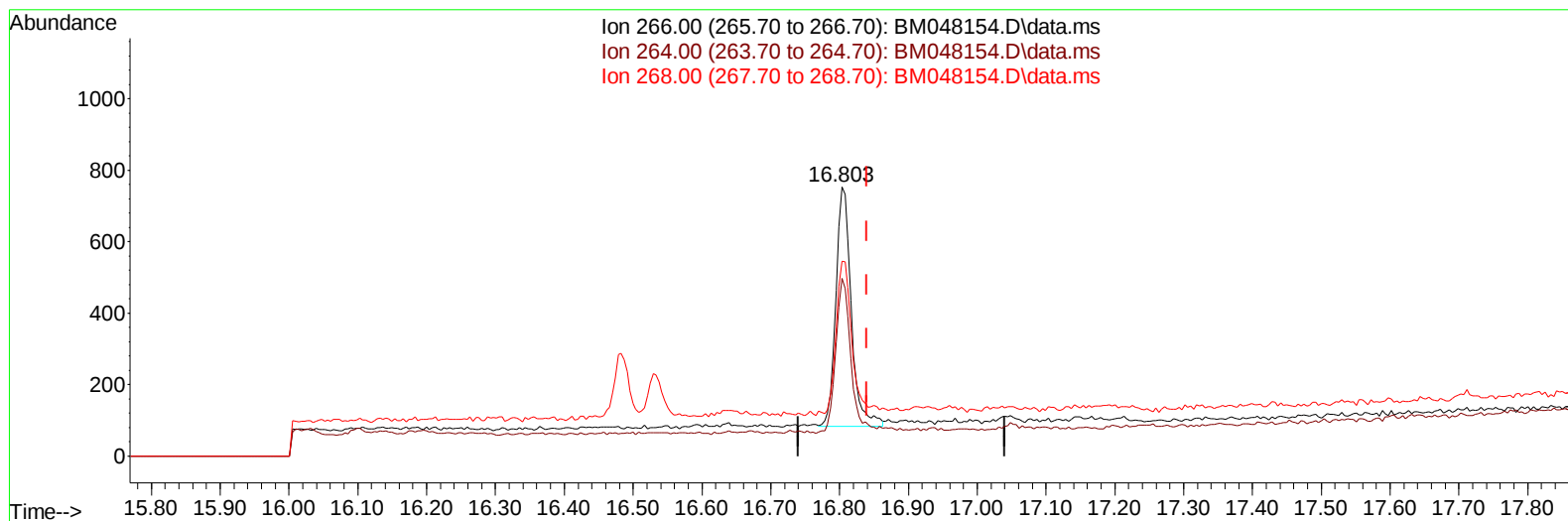
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(14) Pentachlorophenol

16.803min (-0.037) 0.12 ng/ul m

response 1041

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	62.70	2.98#
268.00	64.70	0.00#
0.00	0.00	0.00

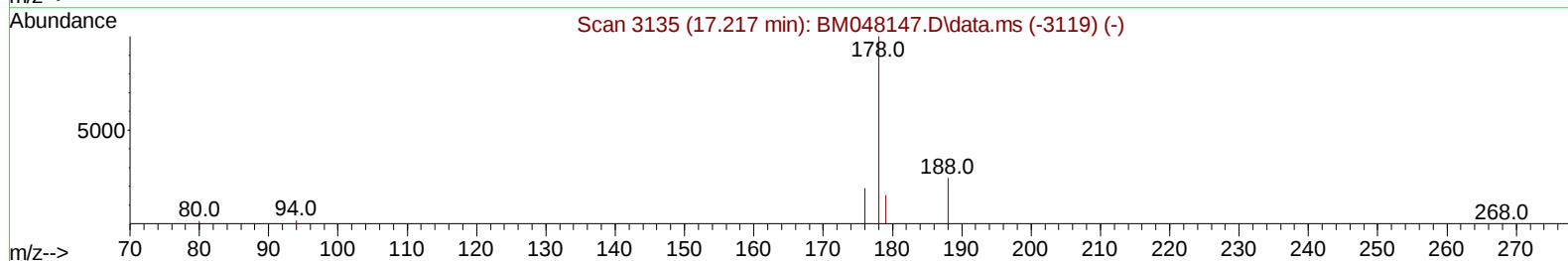
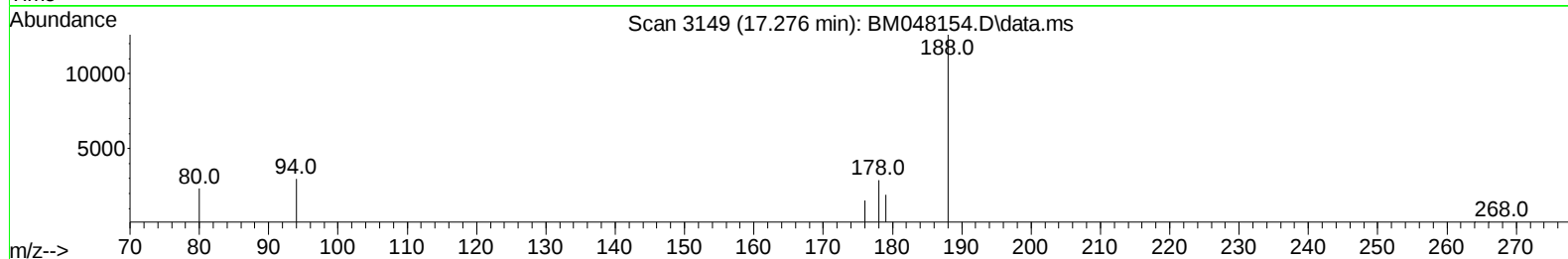
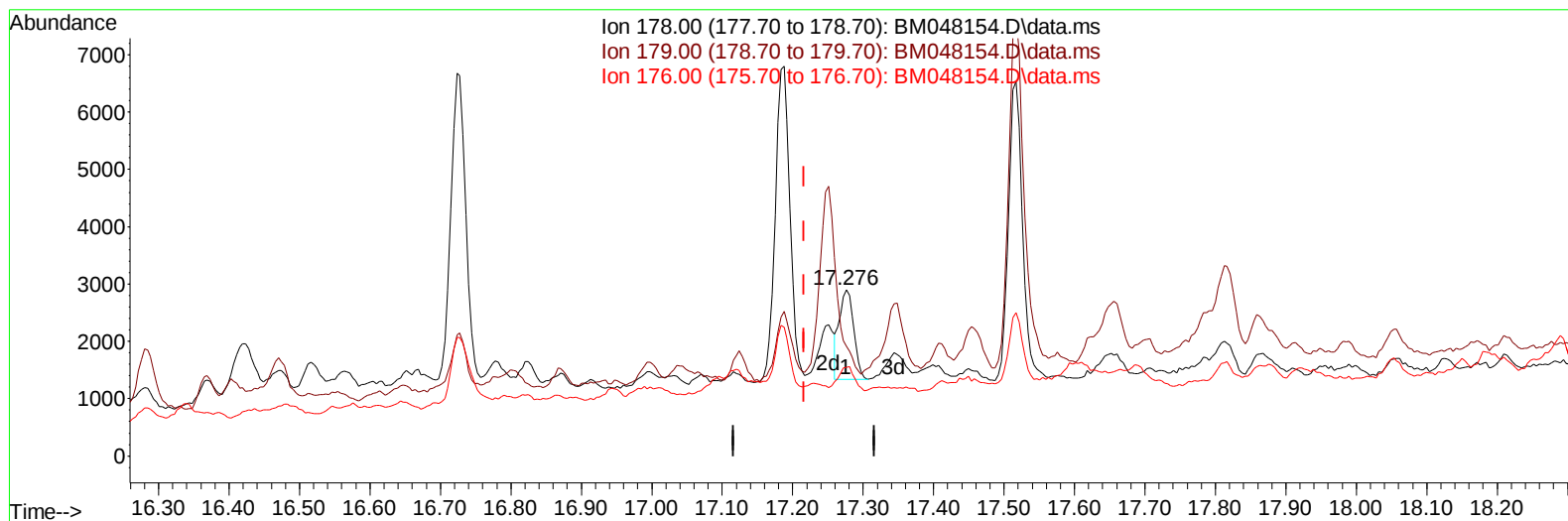
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(15) Phenanthrene

17.276min (+ 0.060) 0.04 ng/u1

response 2223

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	65.74#
176.00	20.00	53.34#
0.00	0.00	0.00

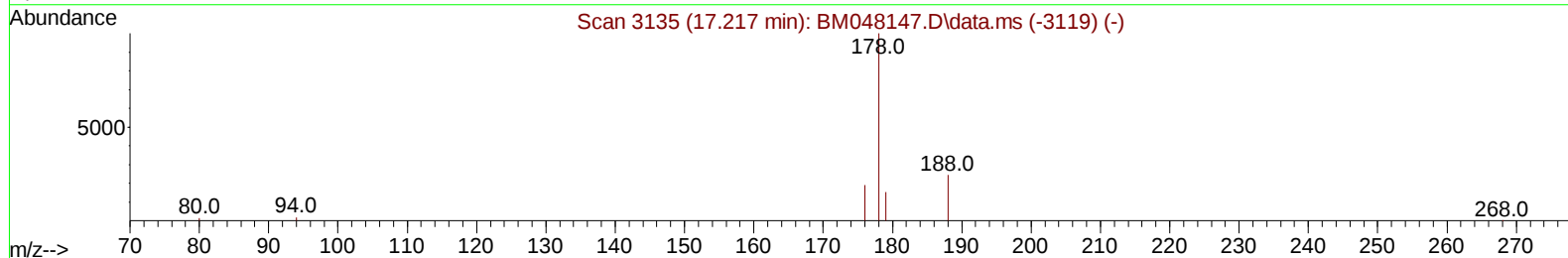
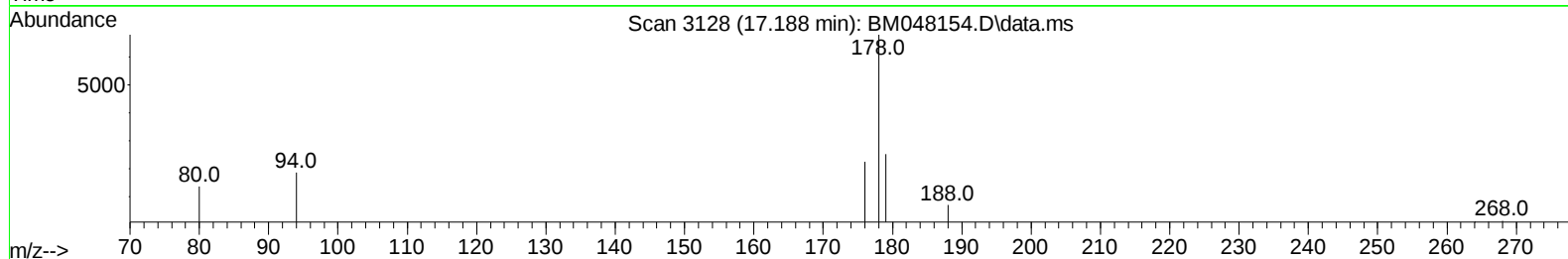
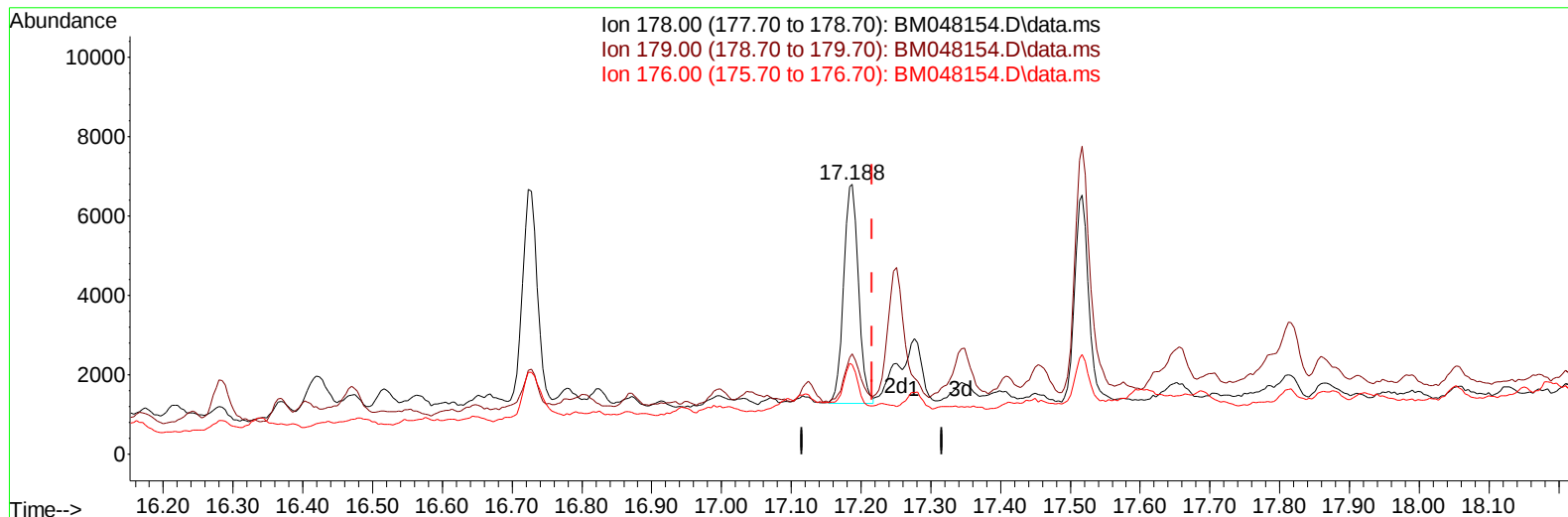
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(15) Phenanthrene

17.188min (-0.028) 0.13 ng/u1 m

response 8123

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	37.13#
176.00	20.00	33.05#
0.00	0.00	0.00

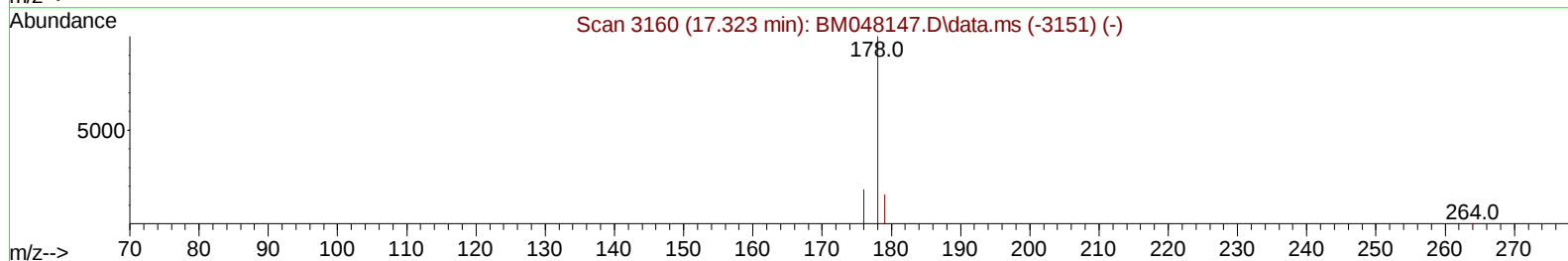
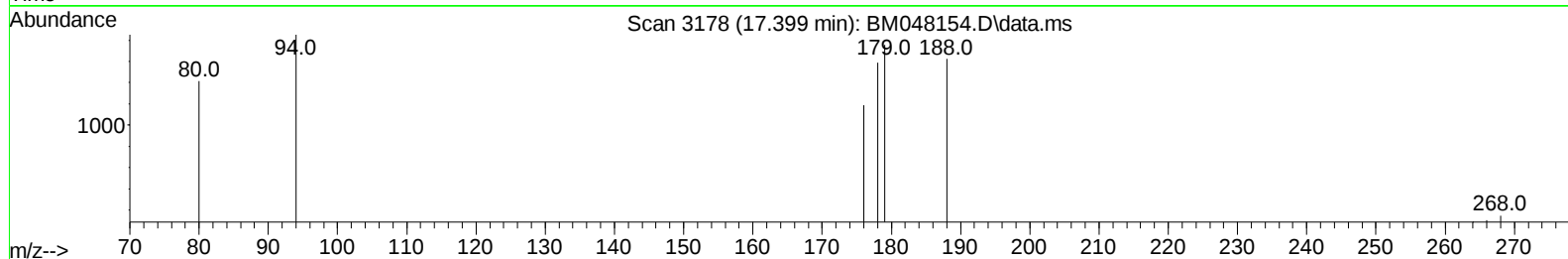
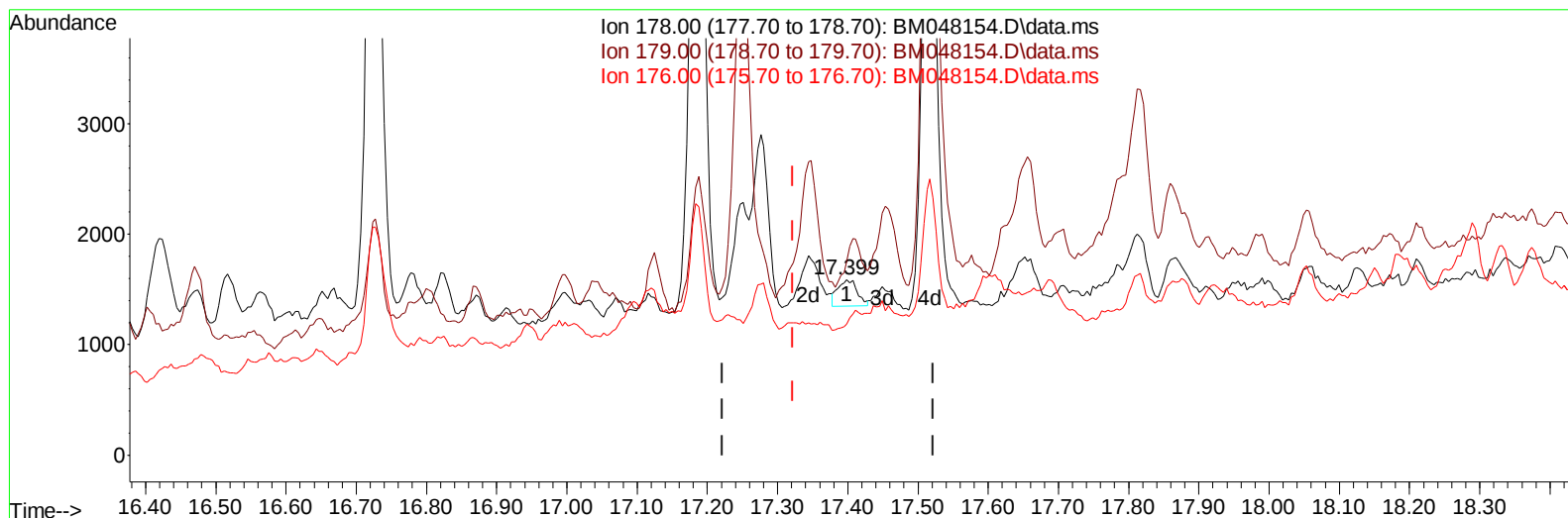
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(16) Anthracene

17.399min (+ 0.077) 0.01 ng/u1

response 459

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	110.44#
176.00	20.00	74.78#
0.00	0.00	0.00

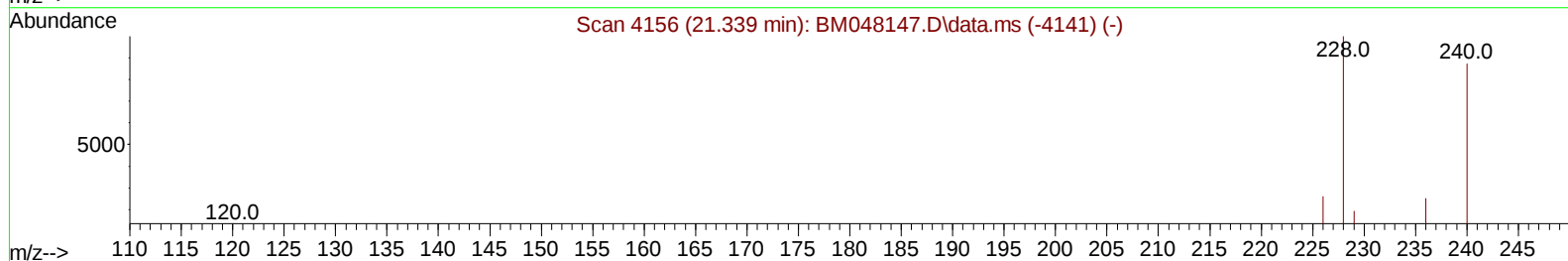
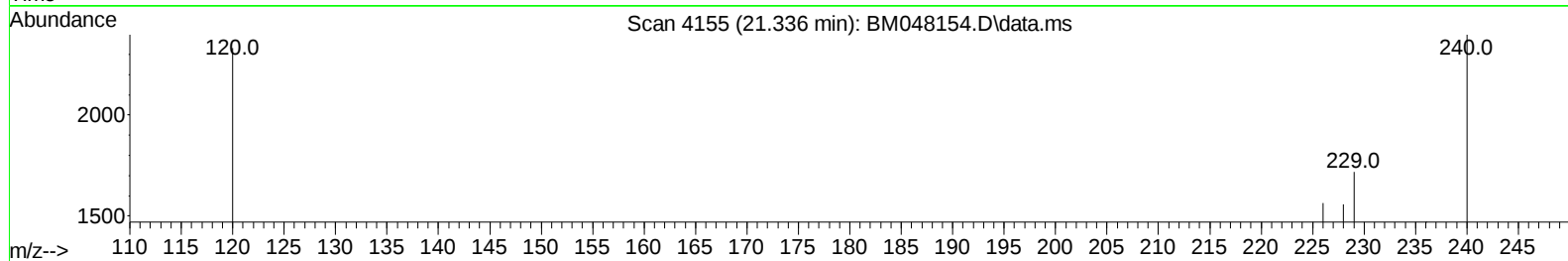
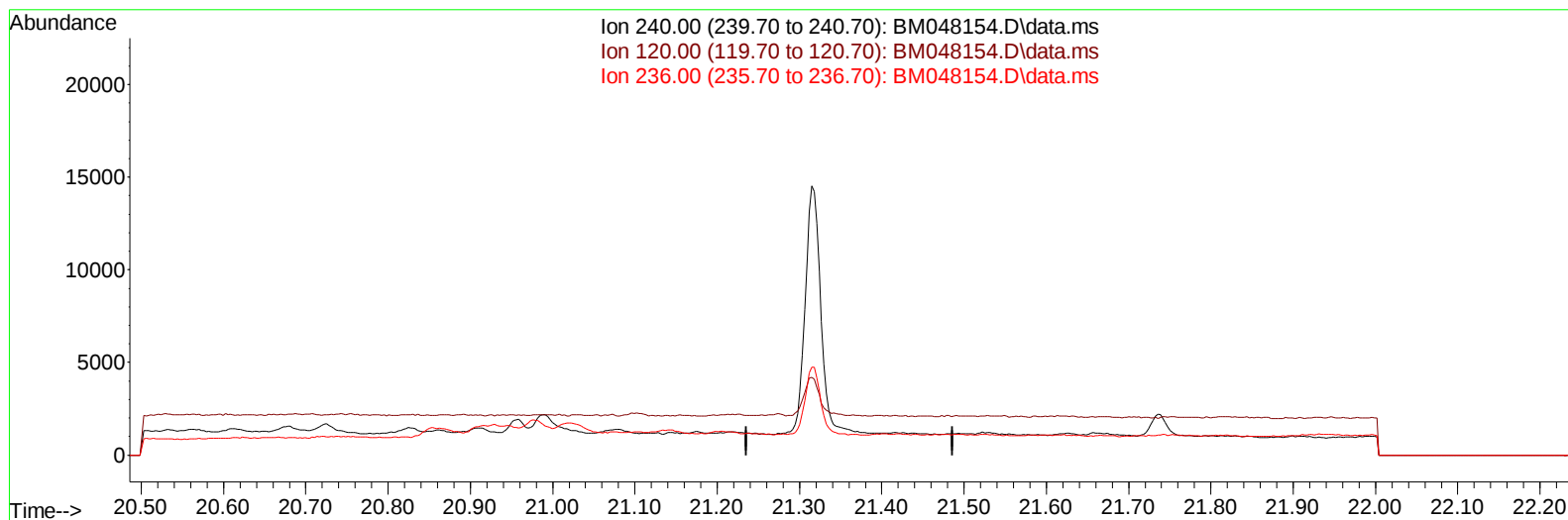
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(17) Chrysene-d12

21.336min (-21.336) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	30.60	0.00#
0.00	0.00	0.00

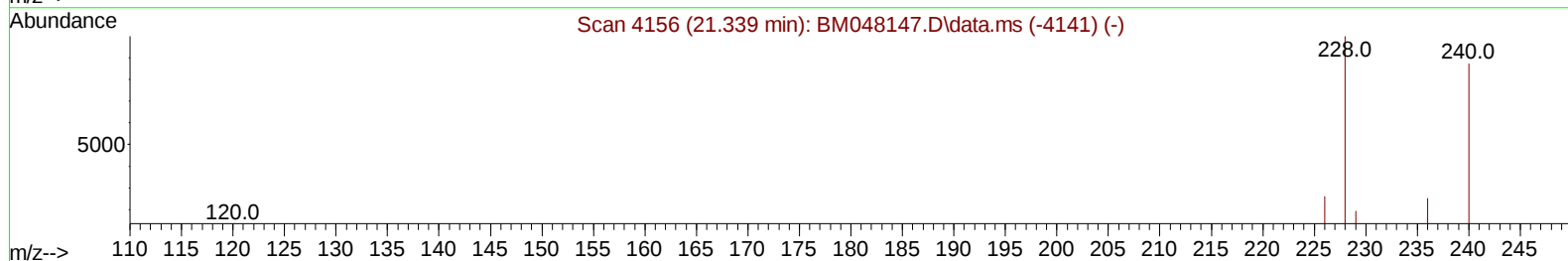
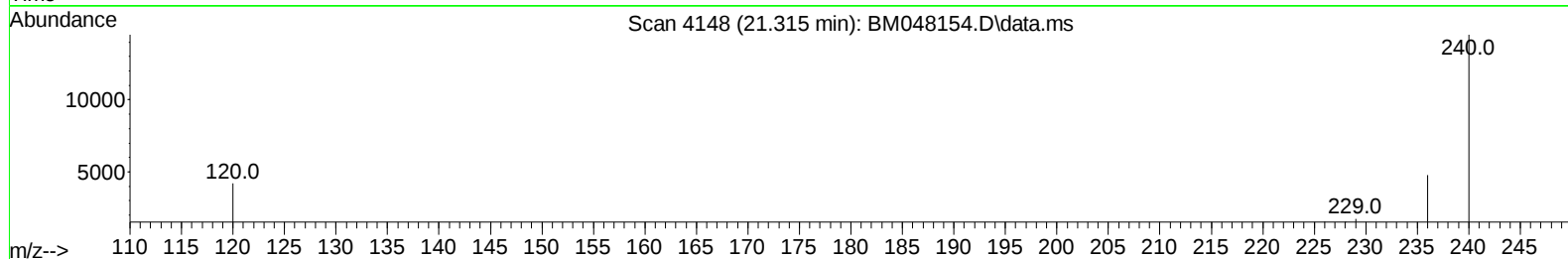
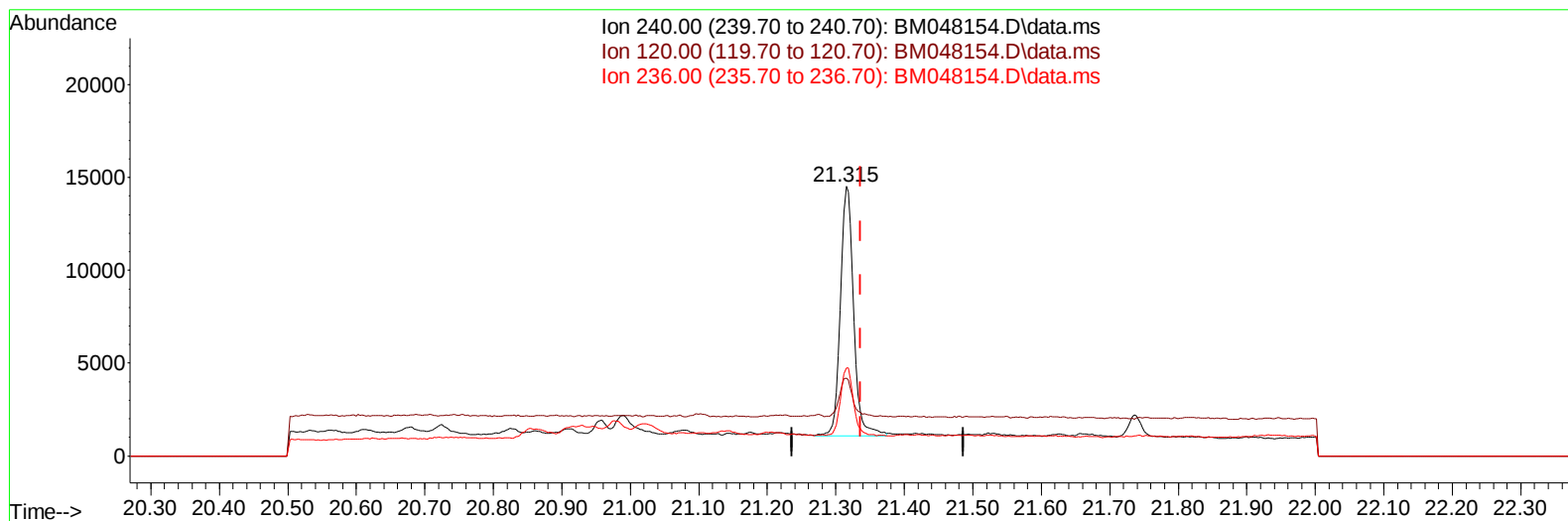
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(17) Chrysene-d12

21.315min (-0.021) 0.40 ng/ul m

response 18082

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	28.79#
236.00	30.60	32.76
0.00	0.00	0.00

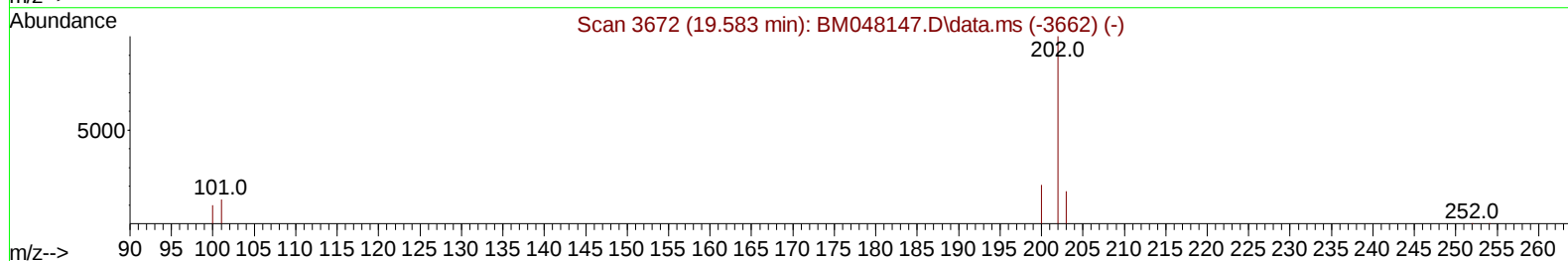
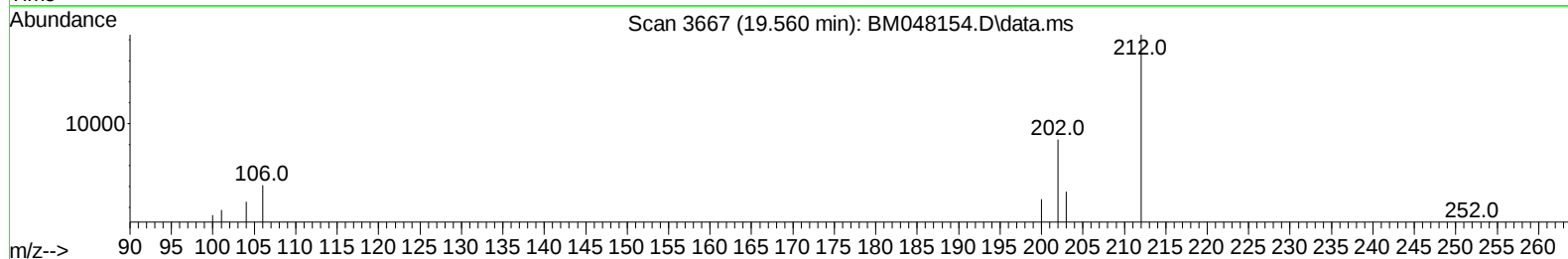
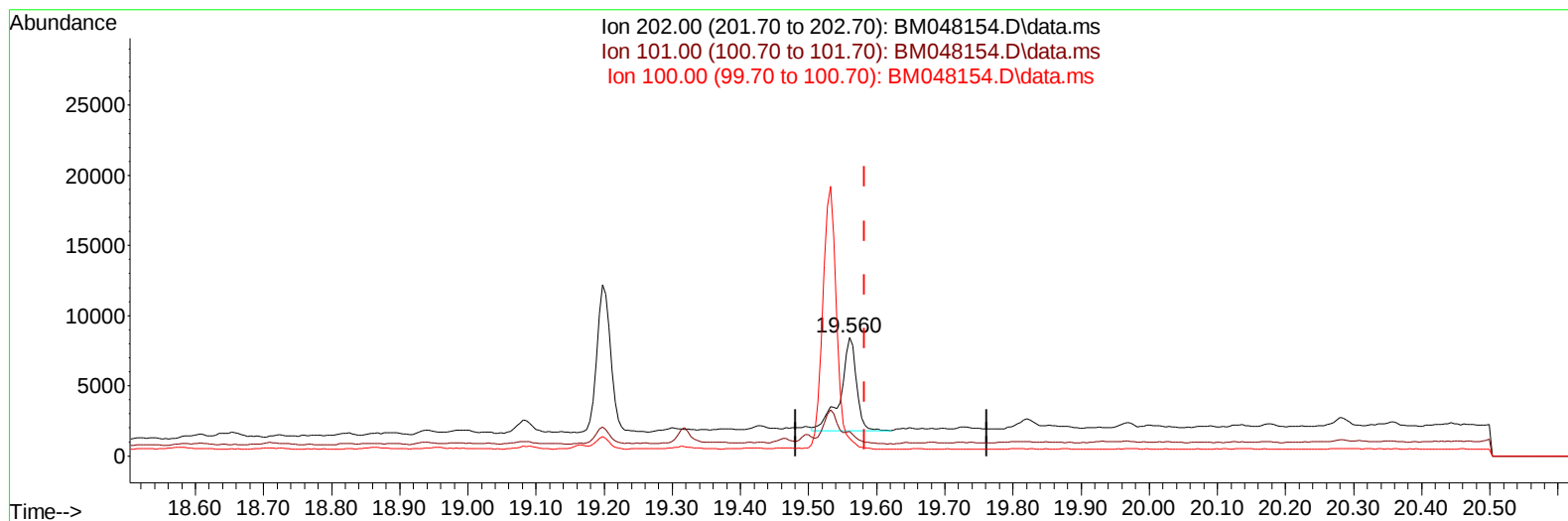
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(20) Pyrene

19.560min (-0.022) 0.15 ng/u1

response 11169

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	20.46#
100.00	10.10	14.73#
0.00	0.00	0.00

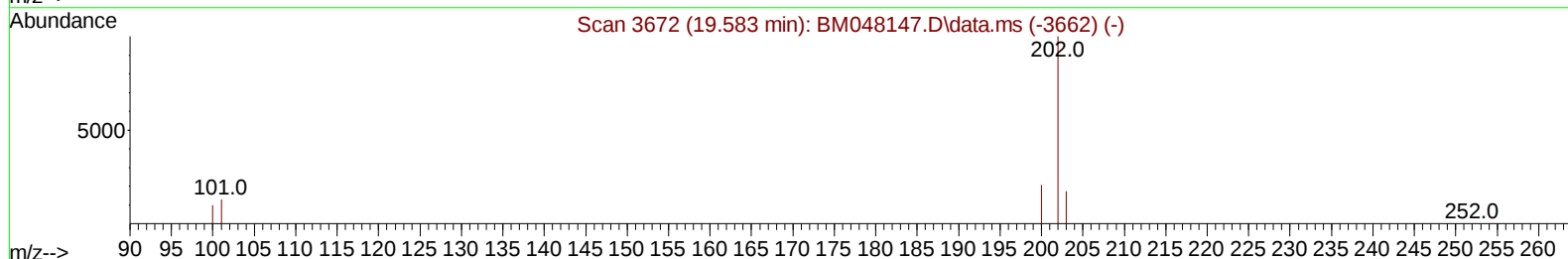
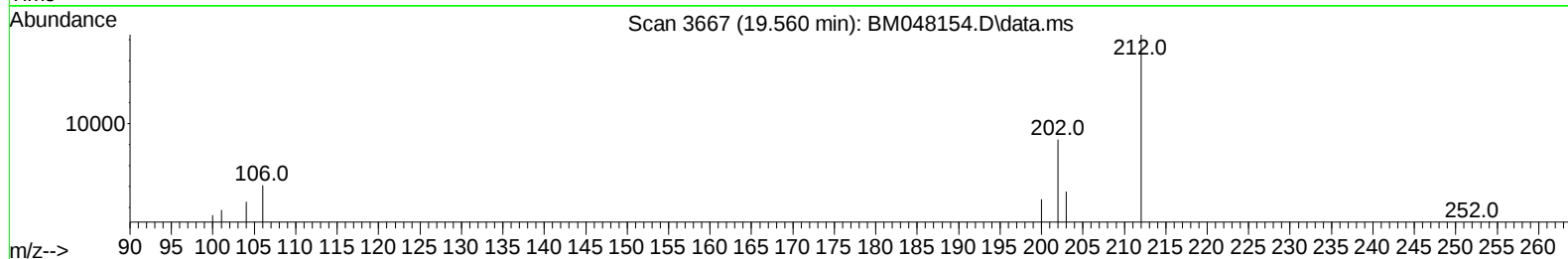
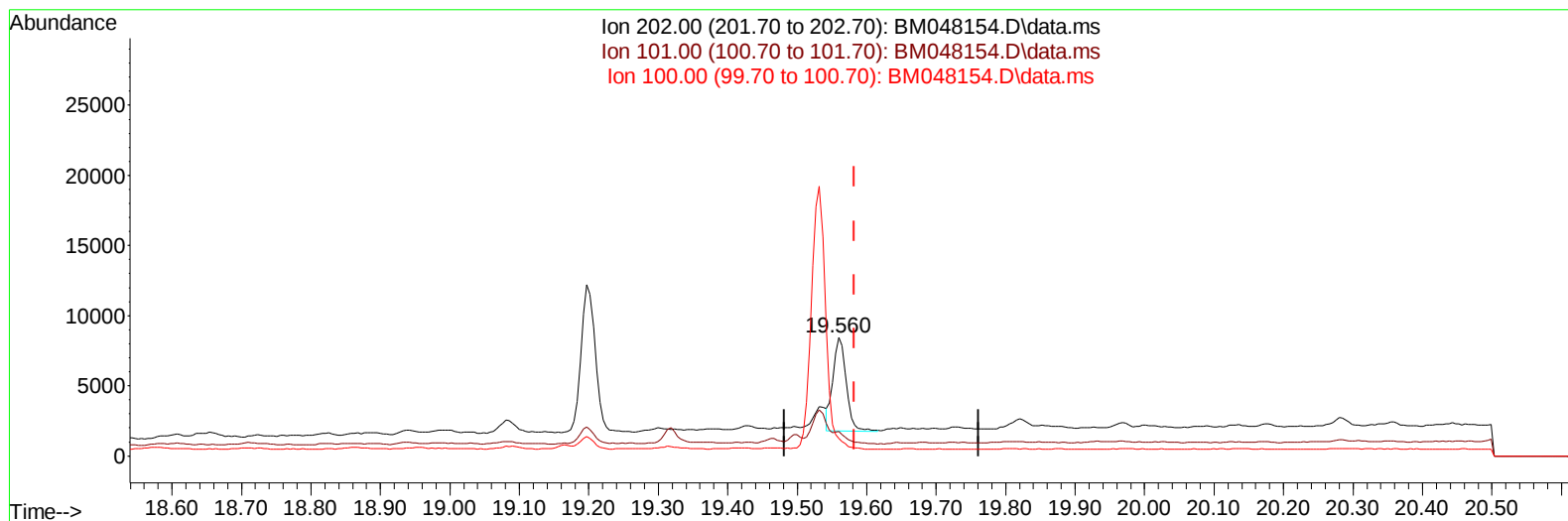
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(20) Pyrene

19.560min (-0.022) 0.12 ng/ul m

response 8996

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	20.46#
100.00	10.10	14.73#
0.00	0.00	0.00

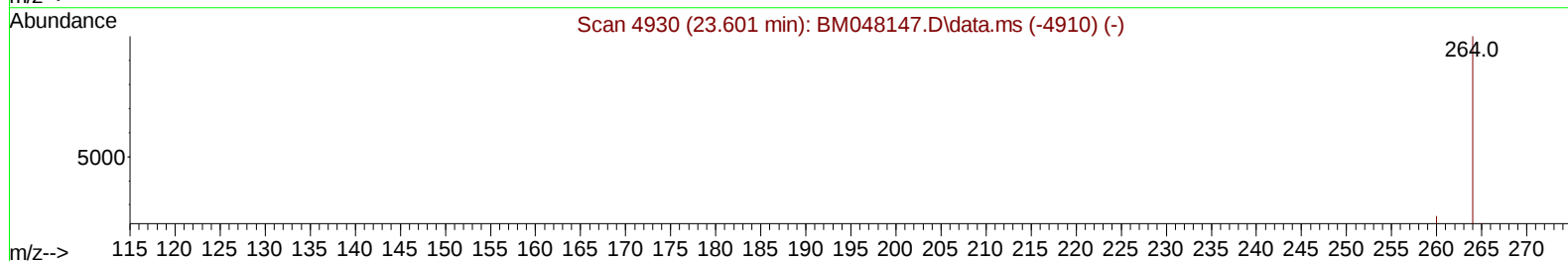
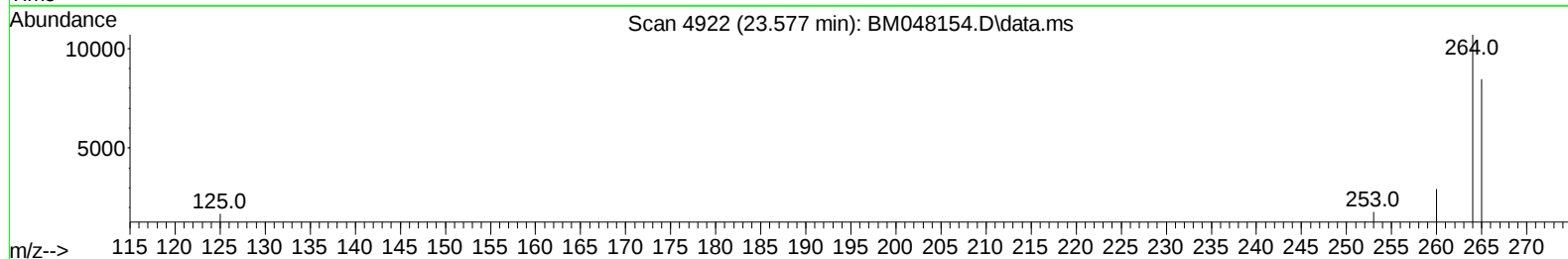
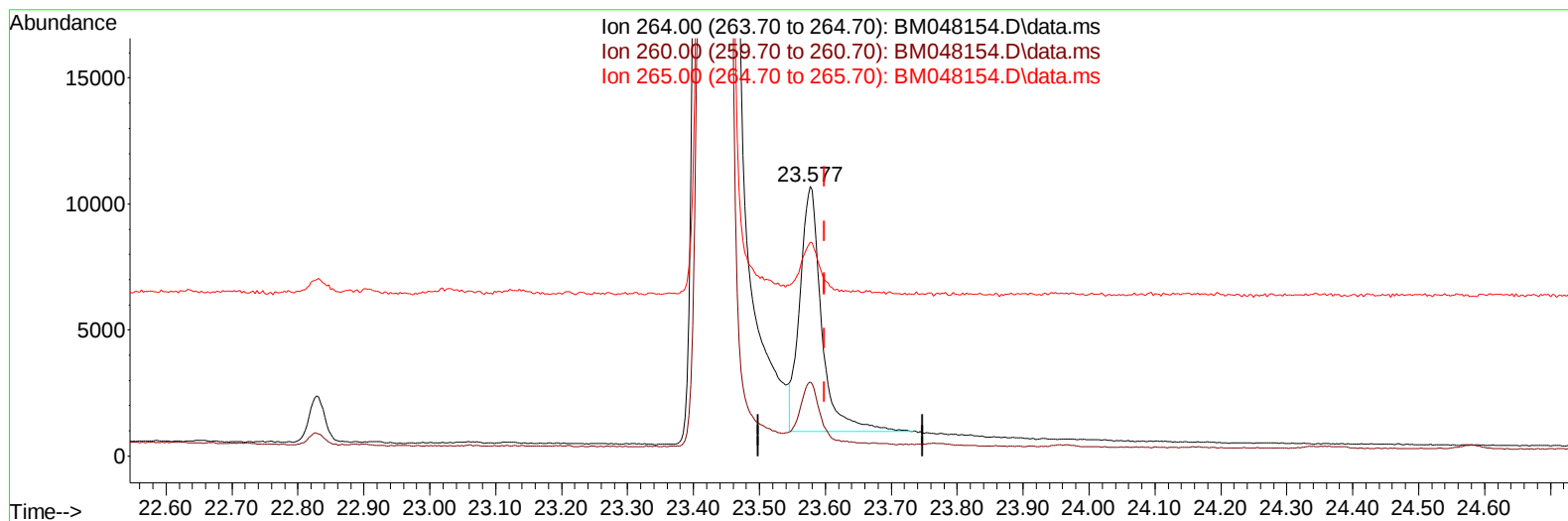
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(23) Perylene-d12 (I)

23.577min (-0.021) 0.40 ng/u1

response 22538

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	27.44
265.00	128.10	79.25#
0.00	0.00	0.00

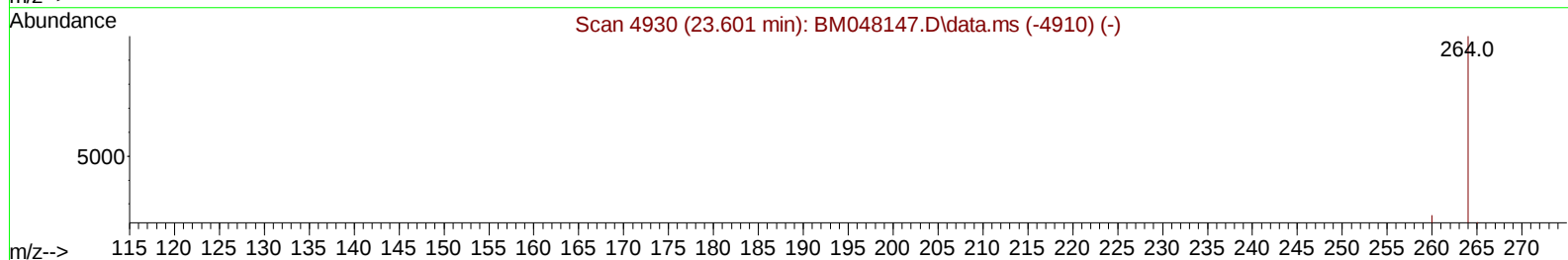
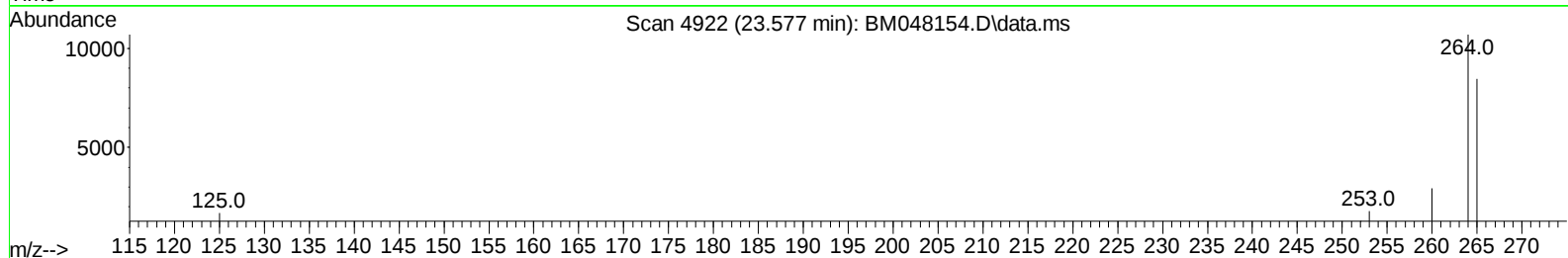
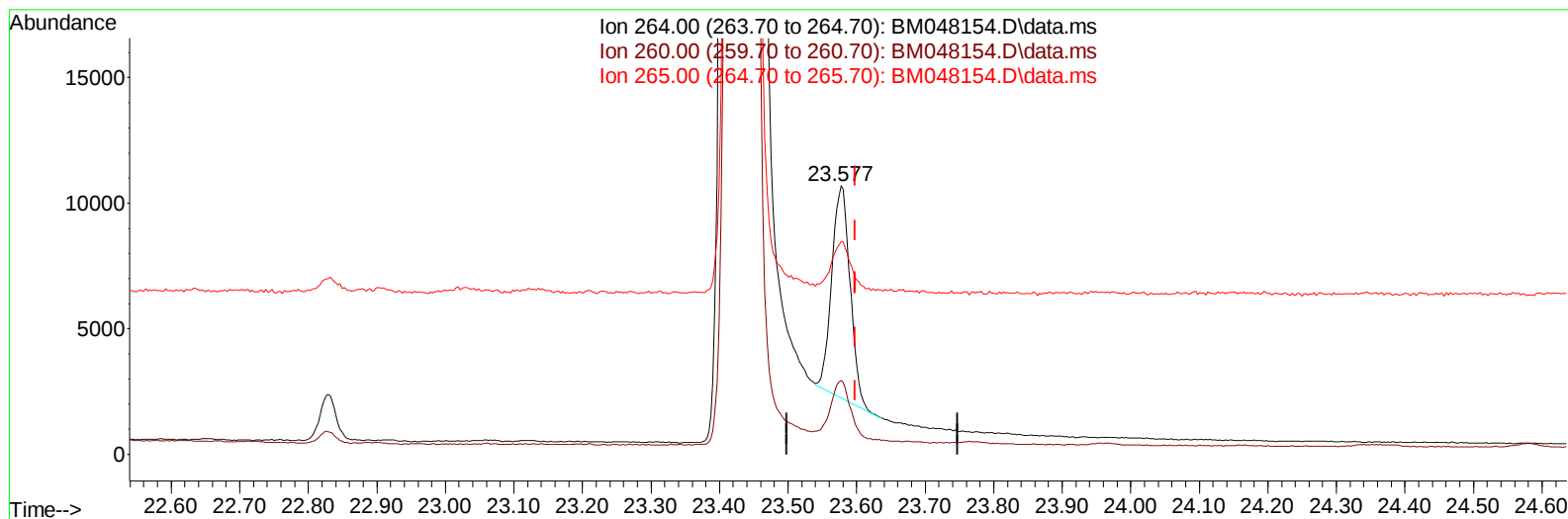
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048154.D\data.ms

(23) Perylene-d12 (I)

23.577min (-0.021) 0.40 ng/ul m

response 15638

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	27.44
265.00	128.10	79.25#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
 Data File : BM048154.D
 Acq On : 21 Oct 2024 14:35
 Operator : RC/JU
 Sample : P4380-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E27G6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 15:19:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 19 00:48:23 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.771	152		6878	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.557	136		20729	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.405	164		13091	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.145	188		25066m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.315	240		18082m	0.400	ng/ul	-0.02
23) Perylene-d12	23.577	264		15638m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.235	96		38031	4.068	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.157	152		11769	0.407	ng/ul	-0.04
18) Fluoranthene-d10	19.169	212		24239	0.461	ng/ul	-0.02
Target Compounds							Qvalue
5) Naphthalene	10.607	128		8112	0.144	ng/ul	96
7) 2-Methylnaphthalene	12.229	142		1134	0.035	ng/ul	85
8) 1-Methylnaphthalene	12.449	142		2833	0.076	ng/ul	99
10) Acenaphthylene	14.123	152		3966	0.066	ng/ul#	75
11) Acenaphthene	14.465	153		4445	0.103	ng/ul	96
12) Fluorene	15.450	166		3531	0.076	ng/ul#	90
14) Pentachlorophenol	16.803	266		1041m	0.124	ng/ul	
15) Phenanthrene	17.188	178		8123m	0.128	ng/ul	
19) Fluoranthene	19.197	202		15045	0.212	ng/ul#	89
20) Pyrene	19.560	202		8996m	0.118	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048154.D
Acq On : 21 Oct 2024 14:35
Operator : RC/JU
Sample : P4380-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G6

Manual IntegrationsAPPROVED

Quant Time: Oct 21 15:19:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

