

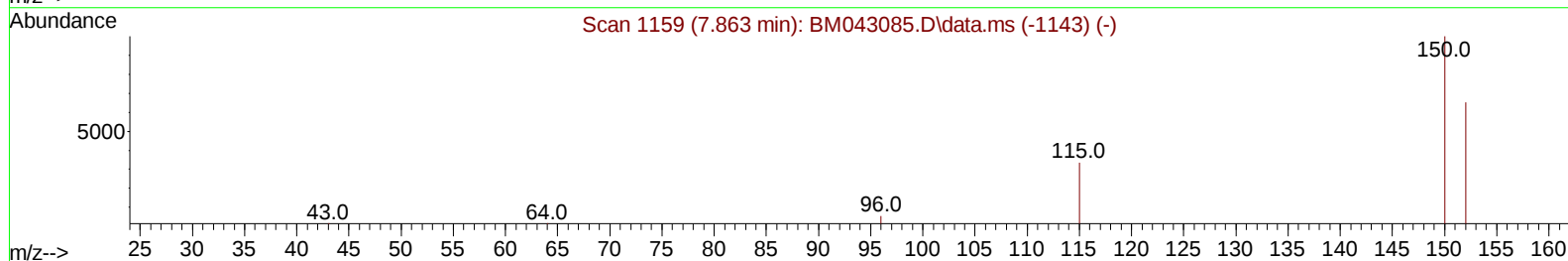
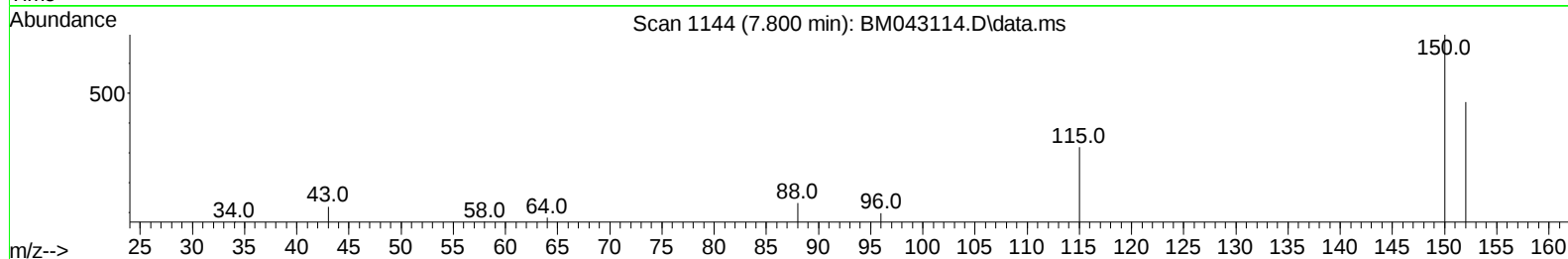
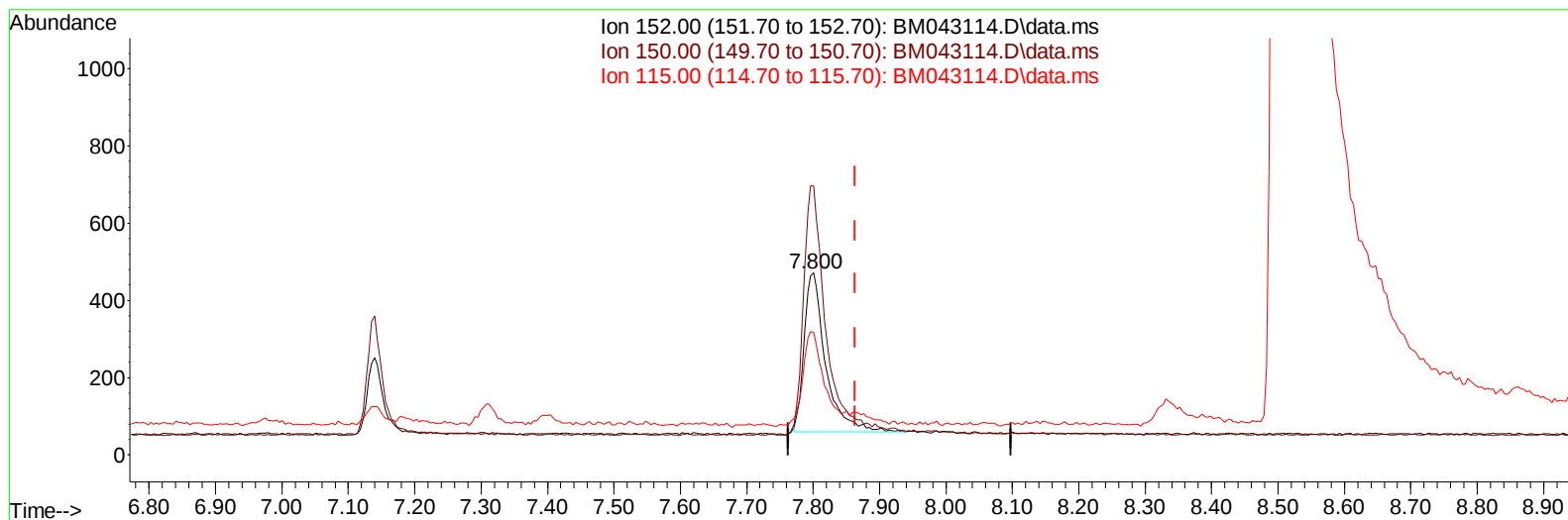
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.800min (-0.063) 0.40 ng/u1

response 920

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	147.77
115.00	89.60	67.52#
0.00	0.00	0.00

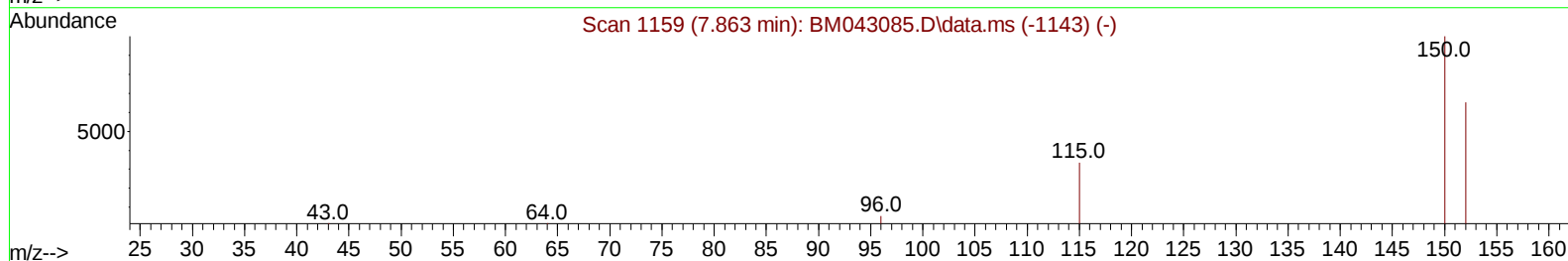
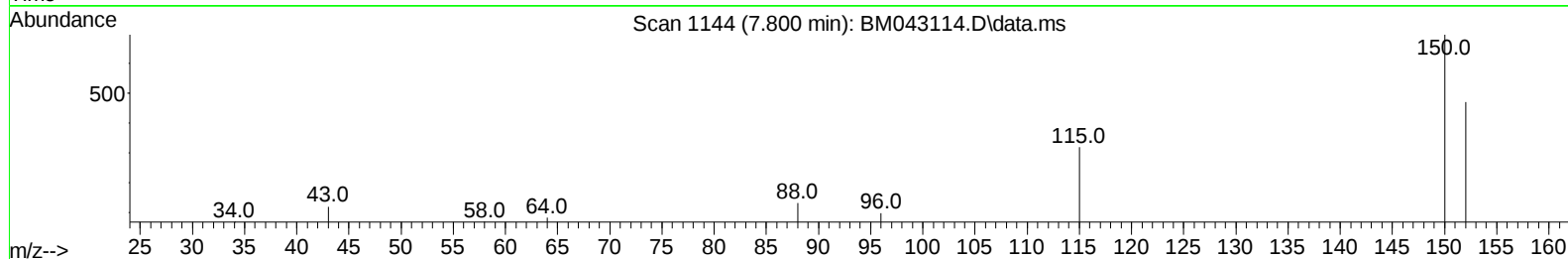
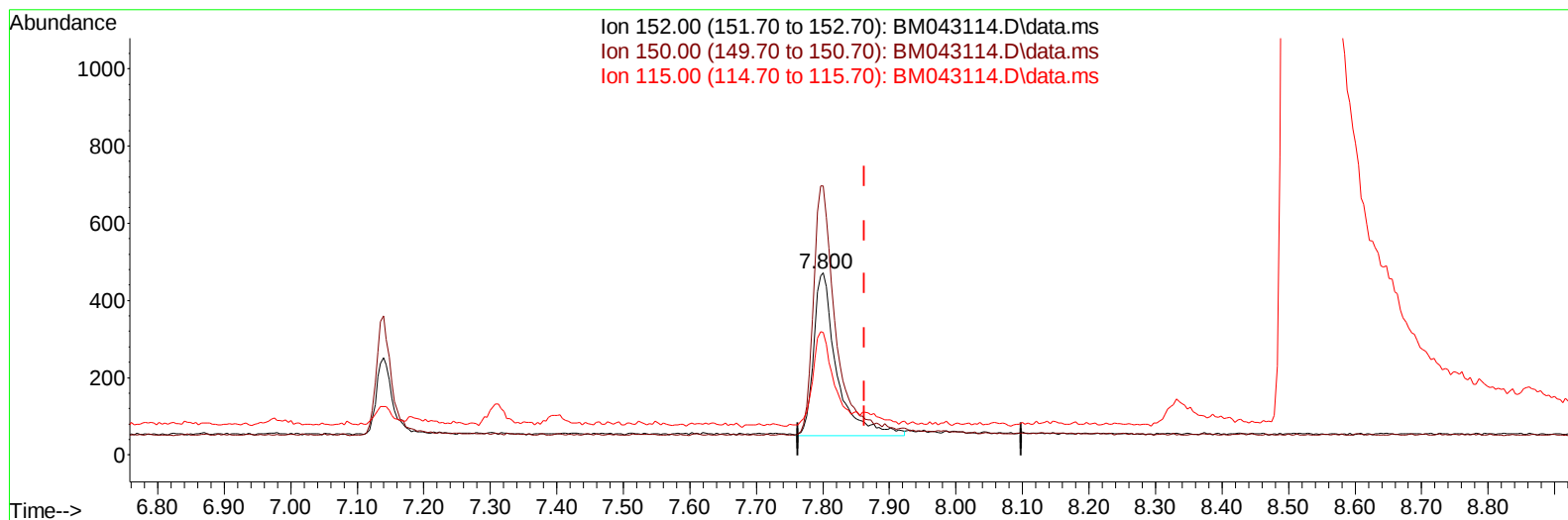
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.800min (-0.063) 0.40 ng/ul m

response 1017

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	147.77
115.00	89.60	67.52#
0.00	0.00	0.00

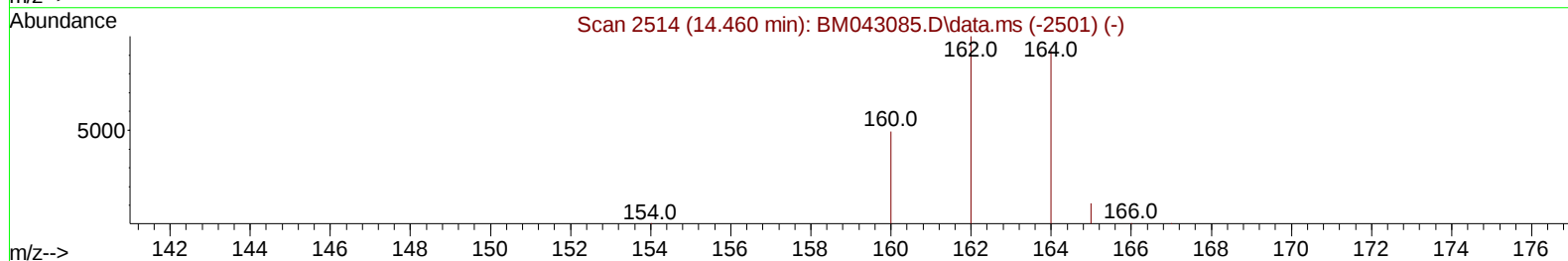
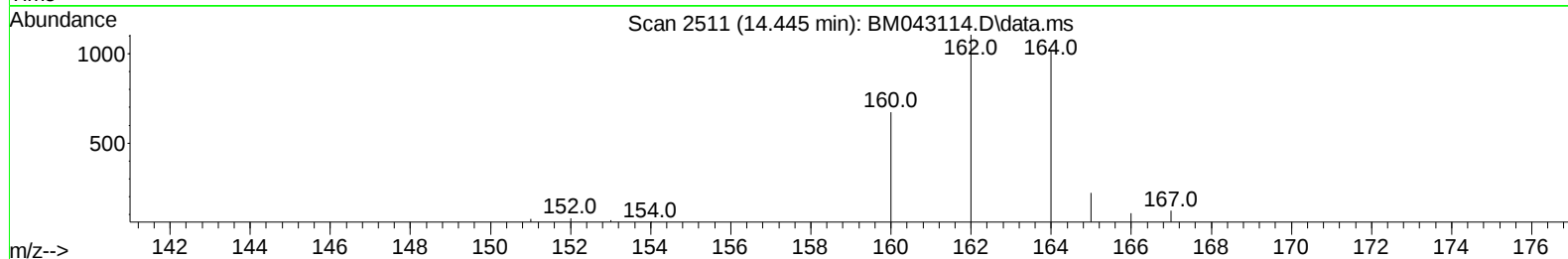
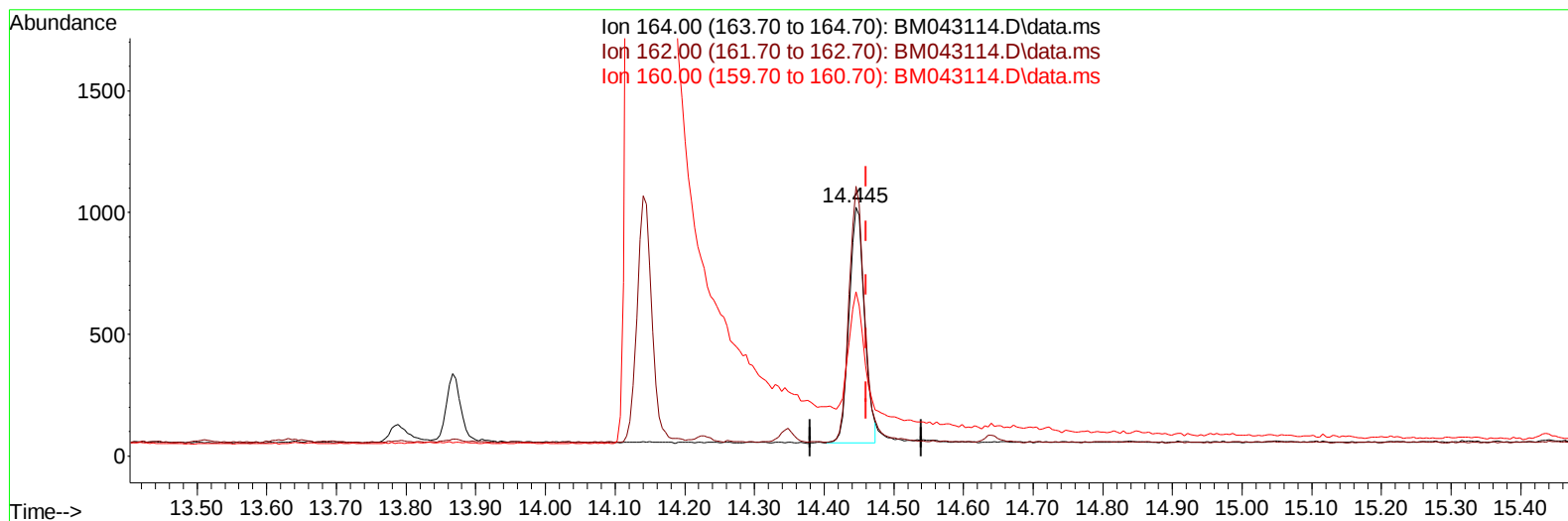
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(9) Acenaphthene-d10 (I)

14.445min (-0.015) 0.40 ng/u1

response 1473

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.32
160.00	57.20	66.05
0.00	0.00	0.00

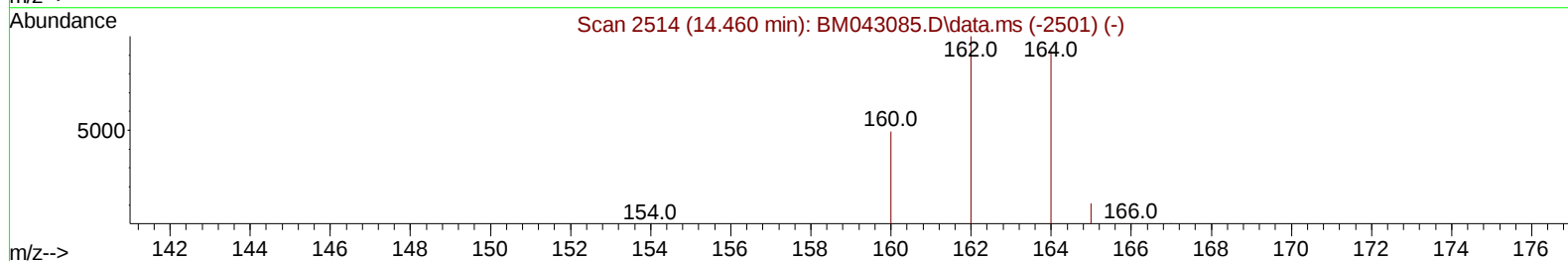
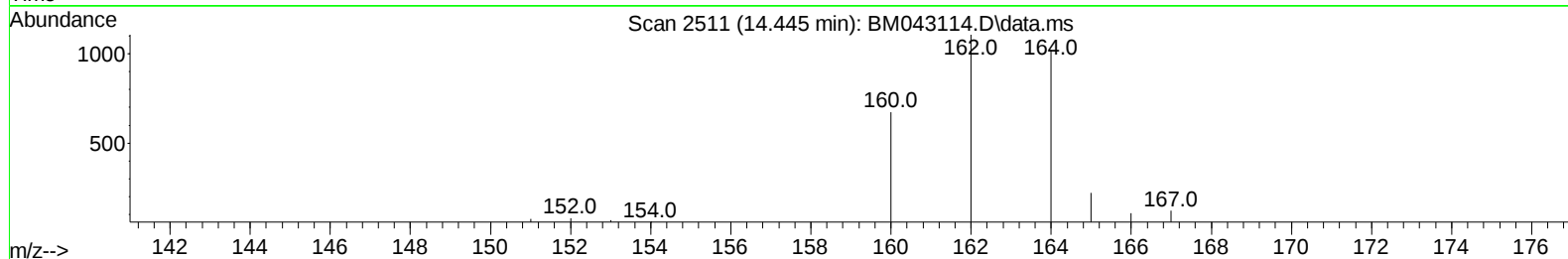
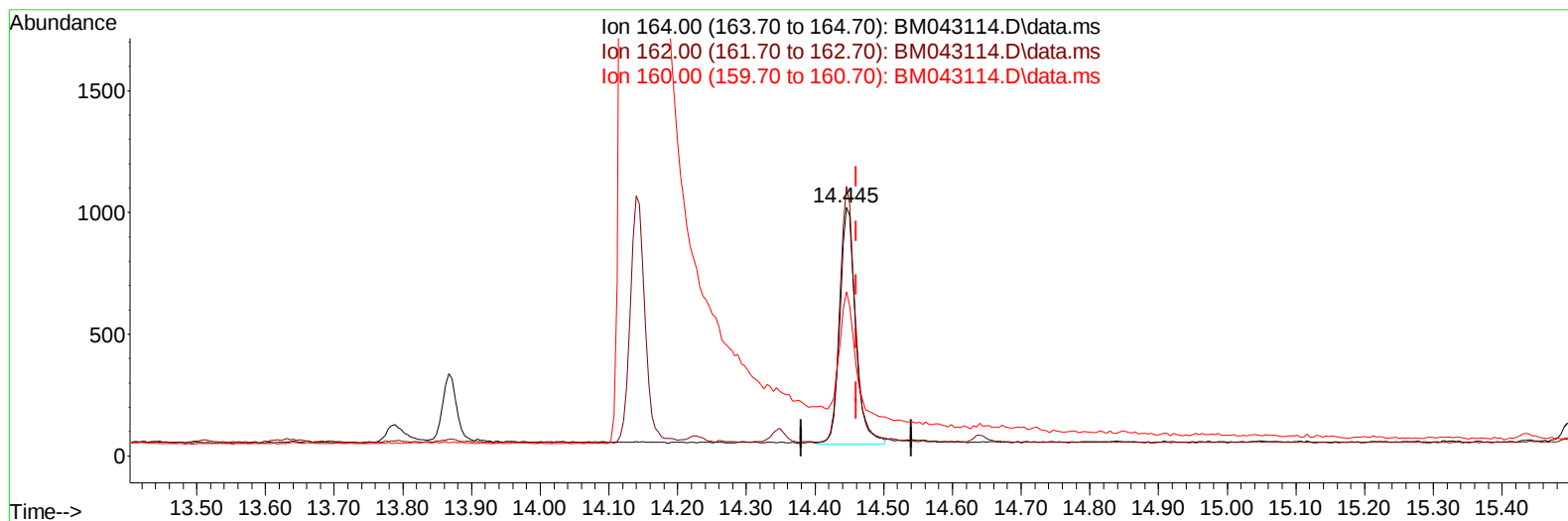
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(9) Acenaphthene-d10 (I)

14.445min (-0.015) 0.40 ng/ul m

response 1546

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.32
160.00	57.20	66.05
0.00	0.00	0.00

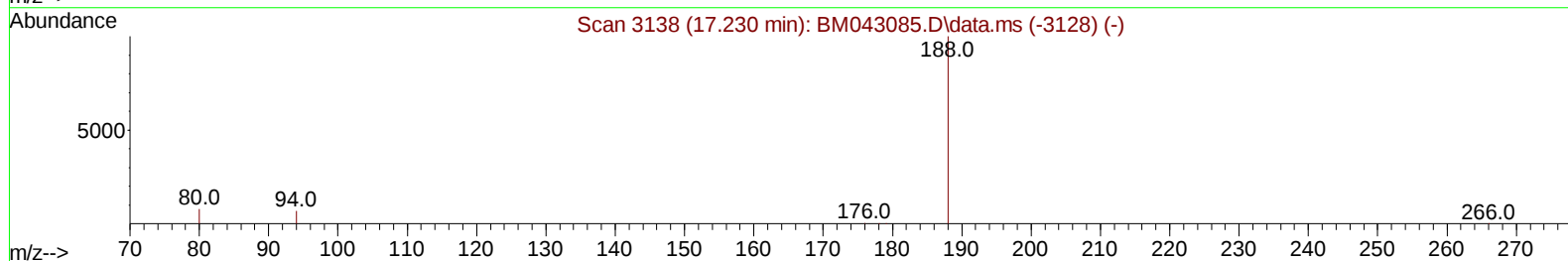
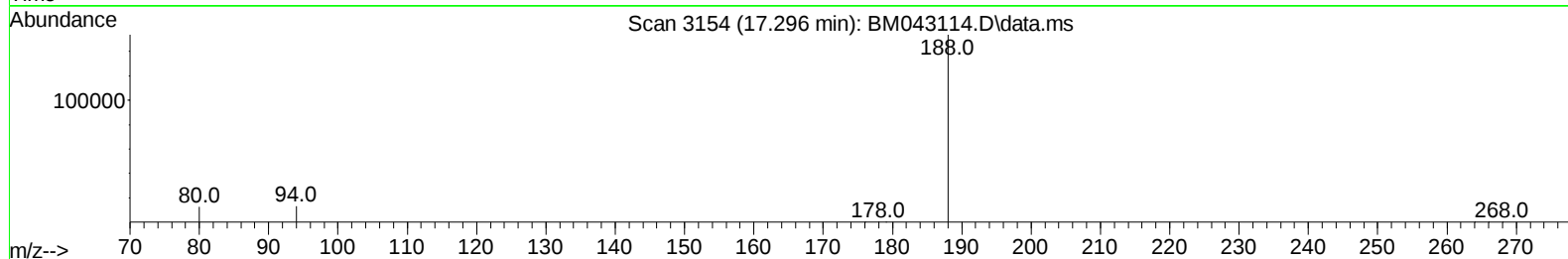
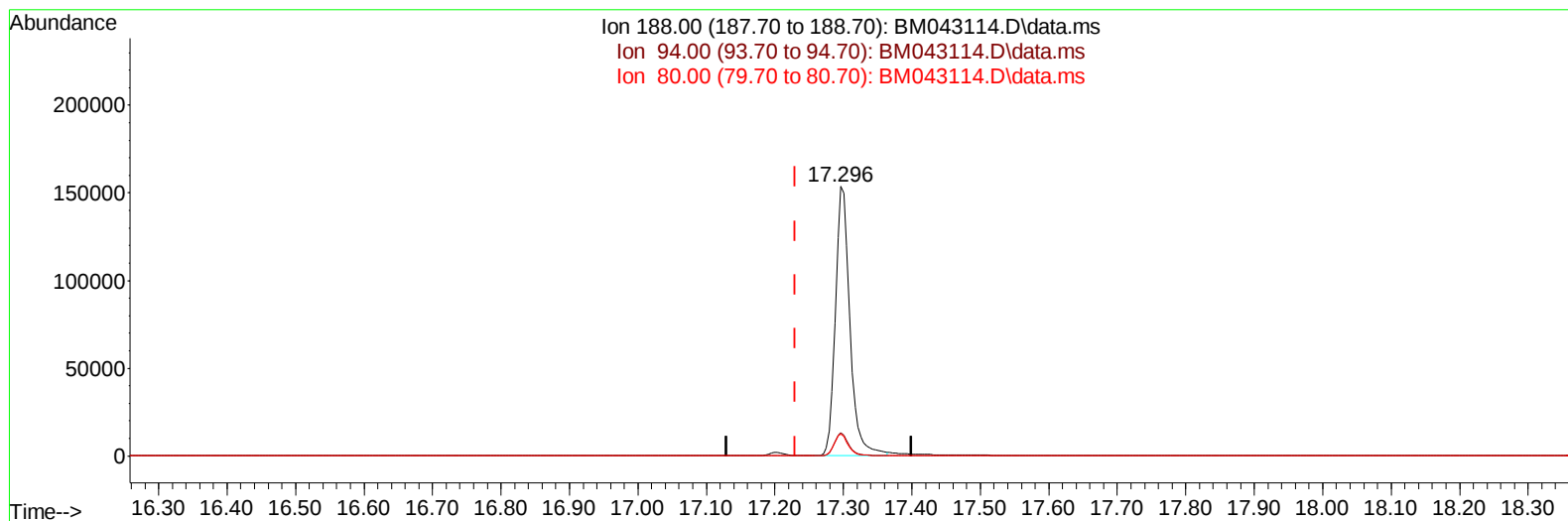
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
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Reviewed By :Yogesh Patel 12/04/2023
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TIC: BM043114.D\data.ms

(13) Phenanthrene-d10 (I)

17.296min (+ 0.066) 0.40 ng/u1

response 227078

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.64#
80.00	12.70	8.12#
0.00	0.00	0.00

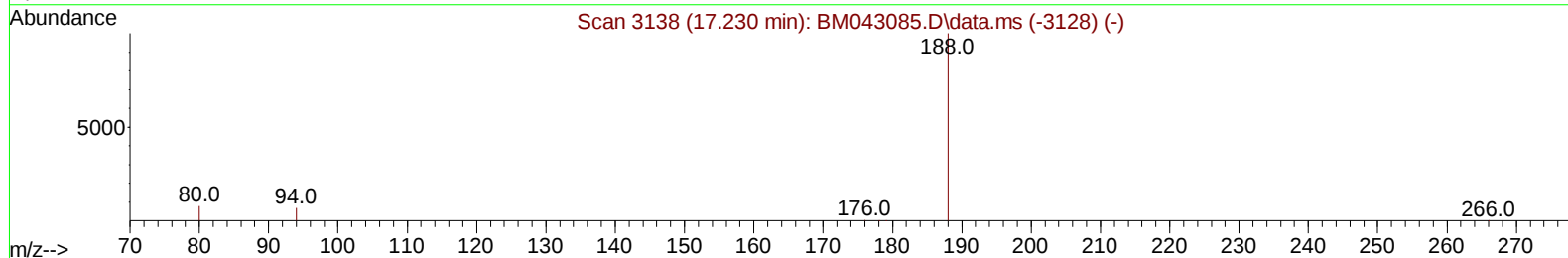
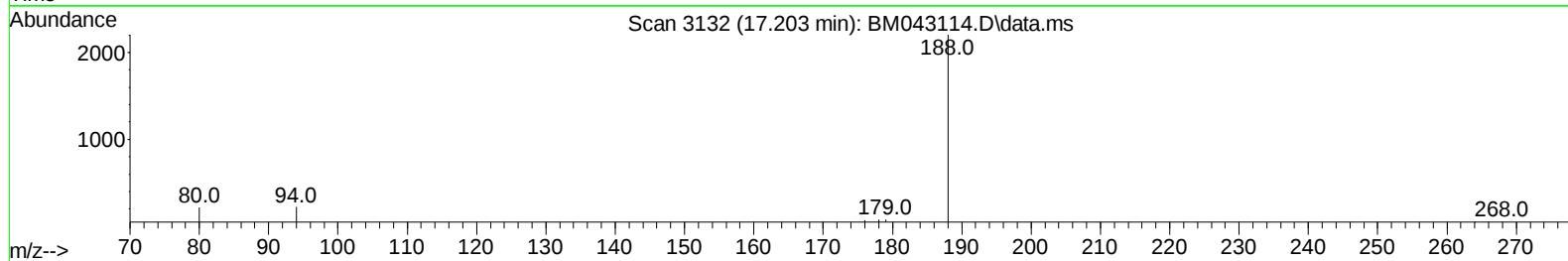
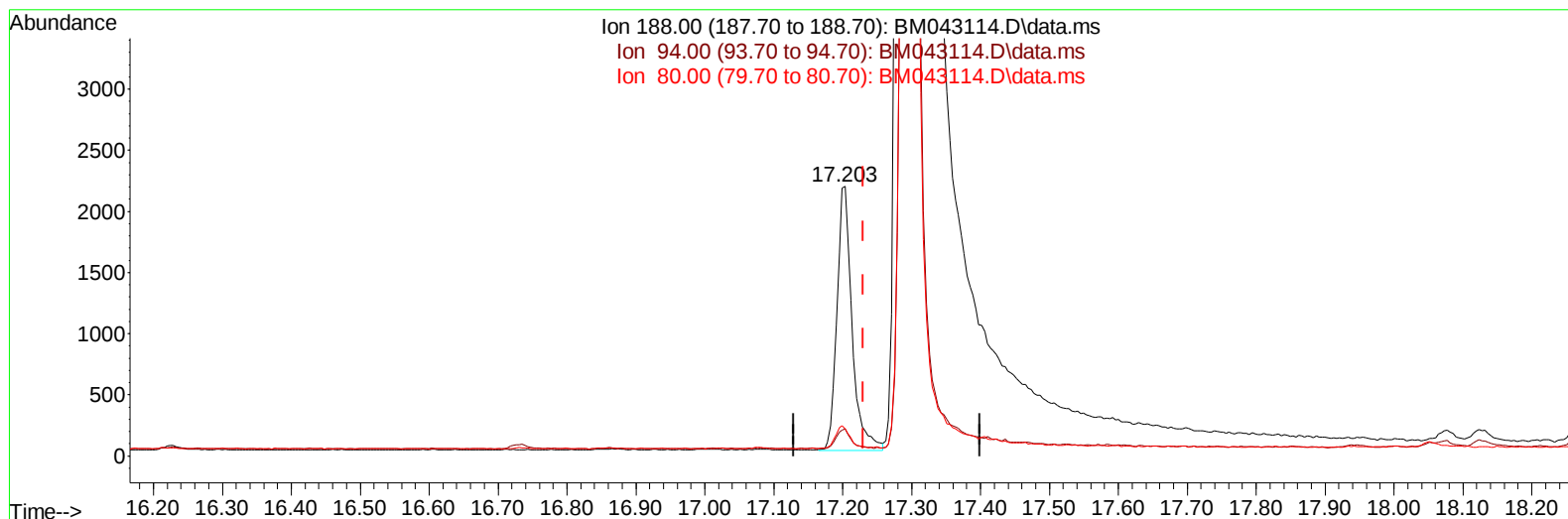
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(13) Phenanthrene-d10 (I)

17.203min (-0.026) 0.40 ng/ul m

response 3325

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	10.12
80.00	12.70	9.98#
0.00	0.00	0.00

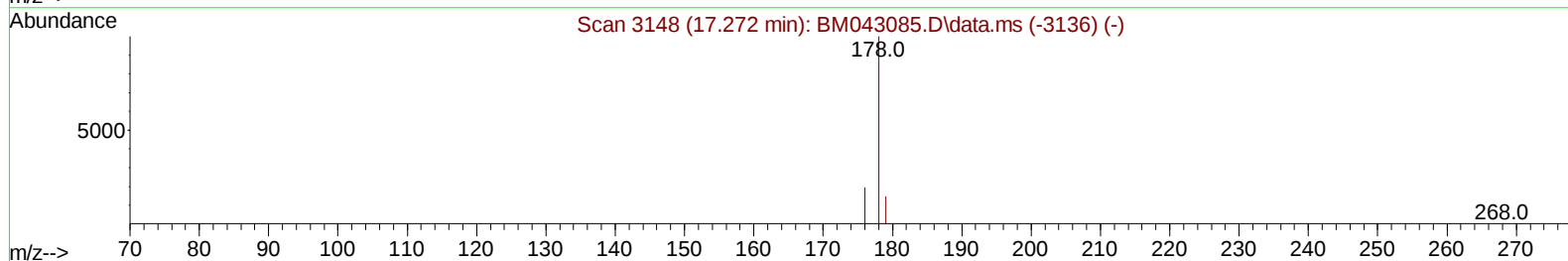
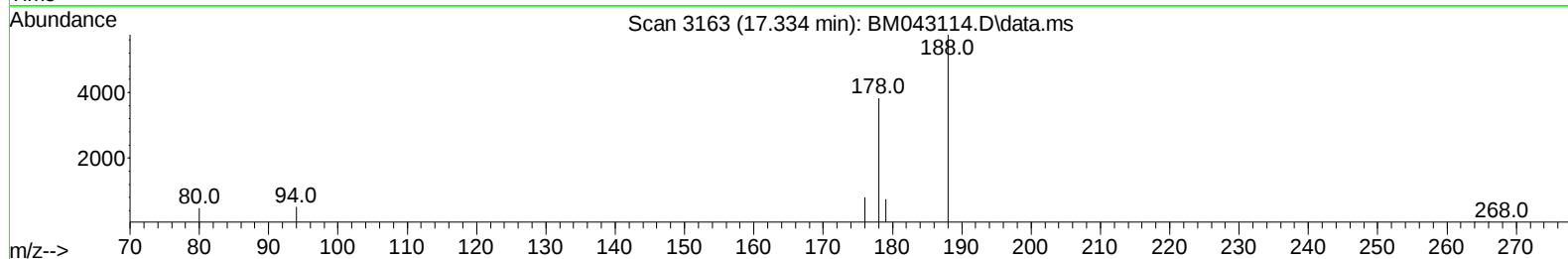
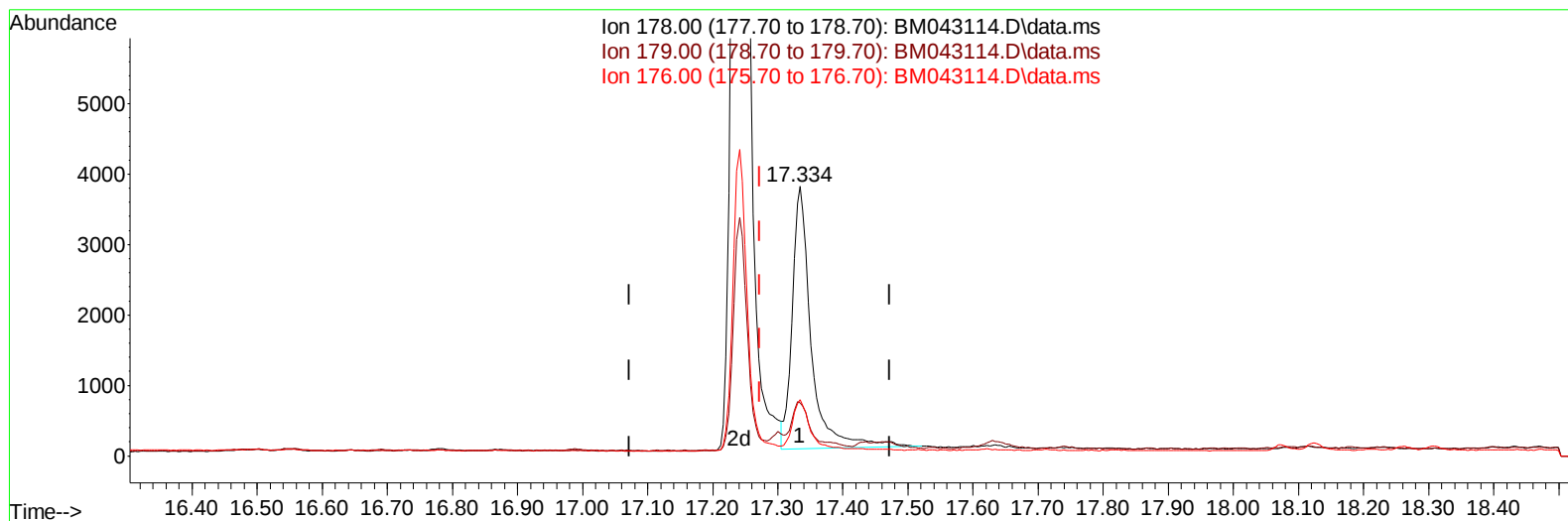
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(15) Phenanthrene

17.334min (+ 0.062) 0.80 ng/u1

response 7548

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	19.61
176.00	23.60	20.81
0.00	0.00	0.00

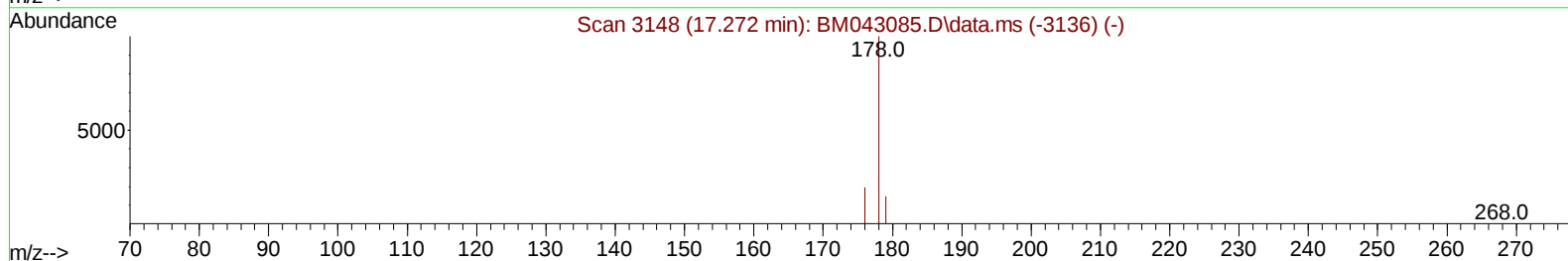
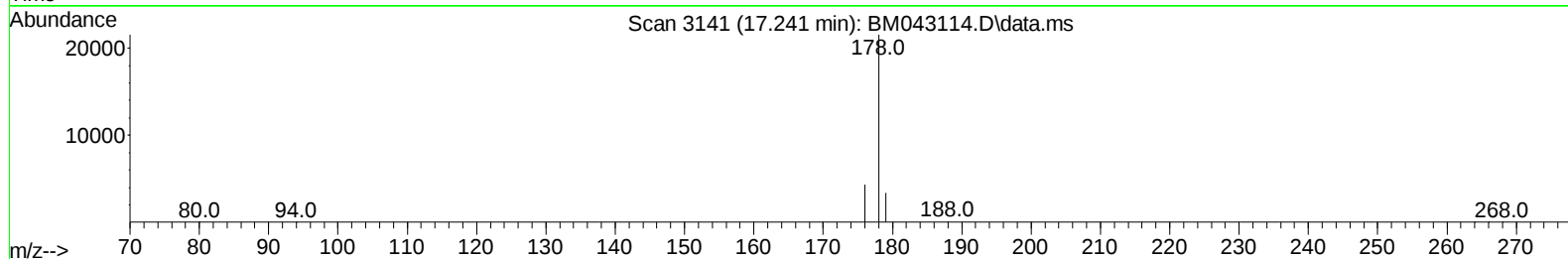
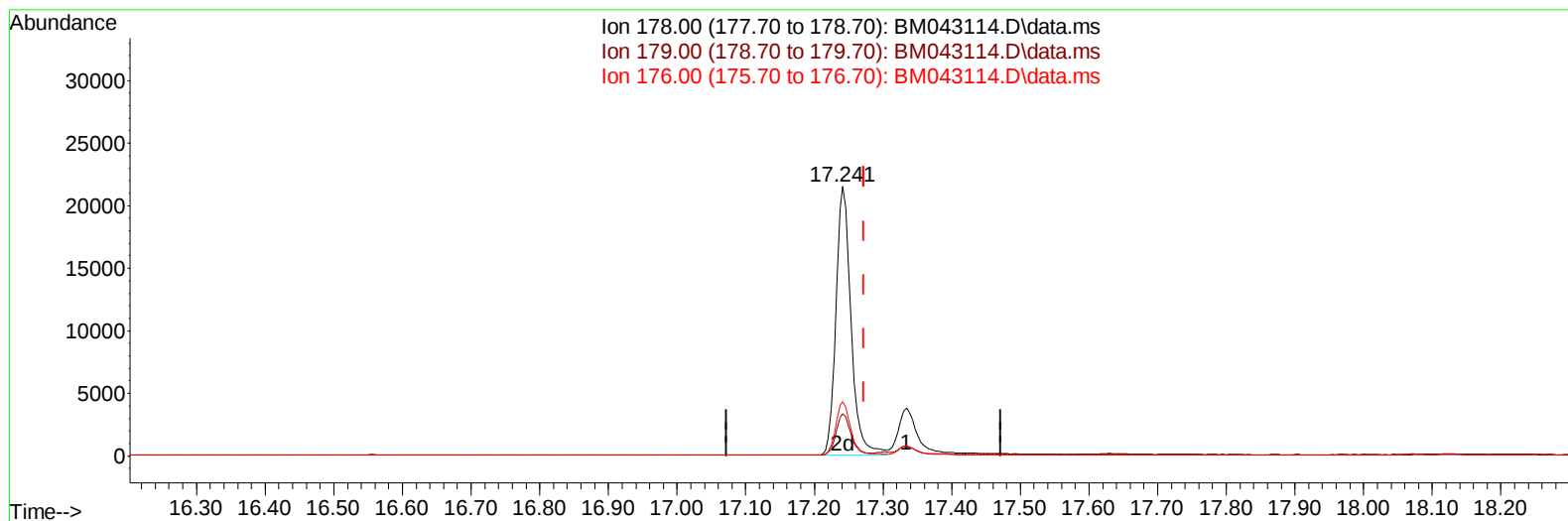
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(15) Phenanthrene

17.241min (-0.031) 3.49 ng/ul m

response 33104

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	15.73
176.00	23.60	20.18
0.00	0.00	0.00

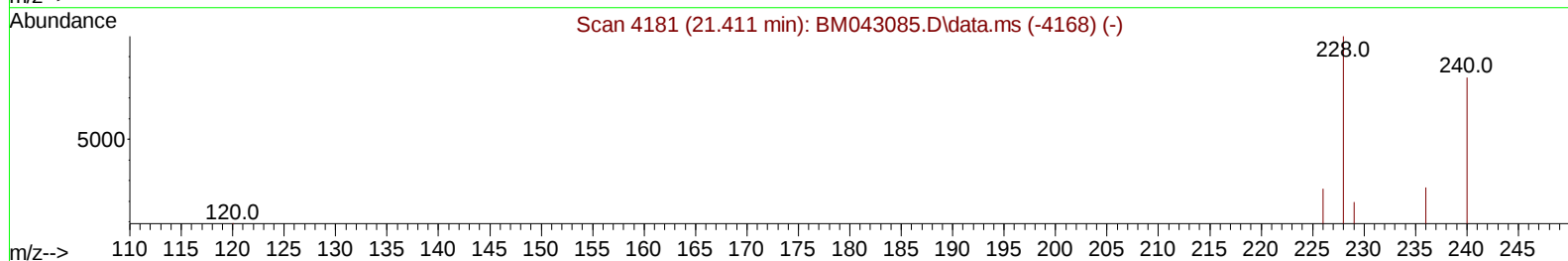
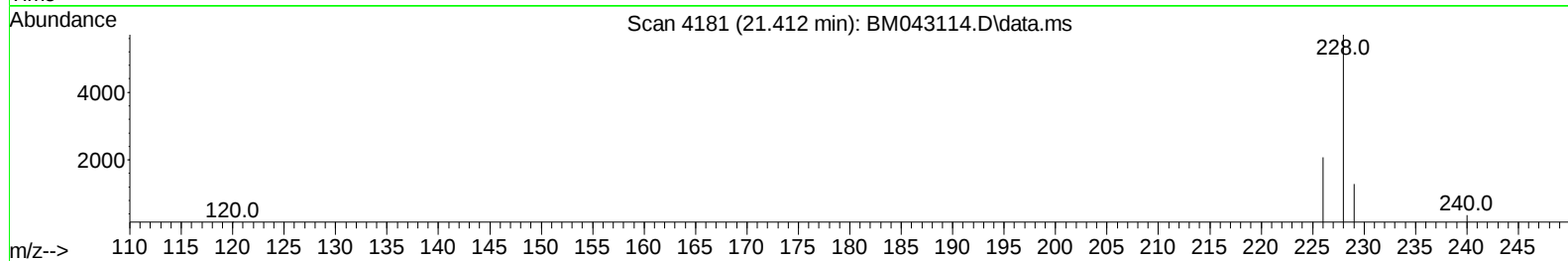
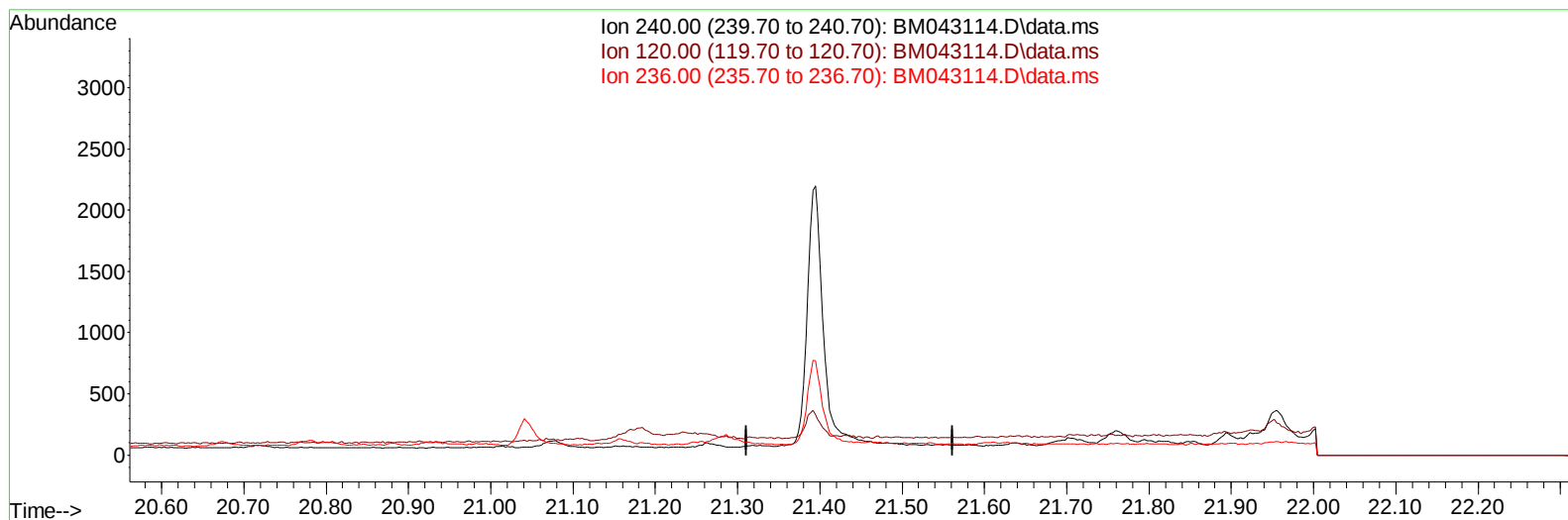
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
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TIC: BM043114.D\data.ms

(17) Chrysene-d12

21.411min (-21.411) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	38.50	0.00#
0.00	0.00	0.00

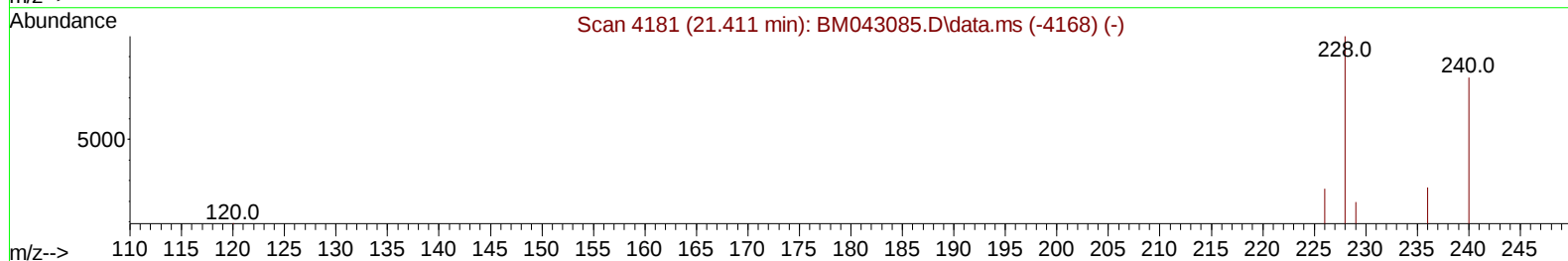
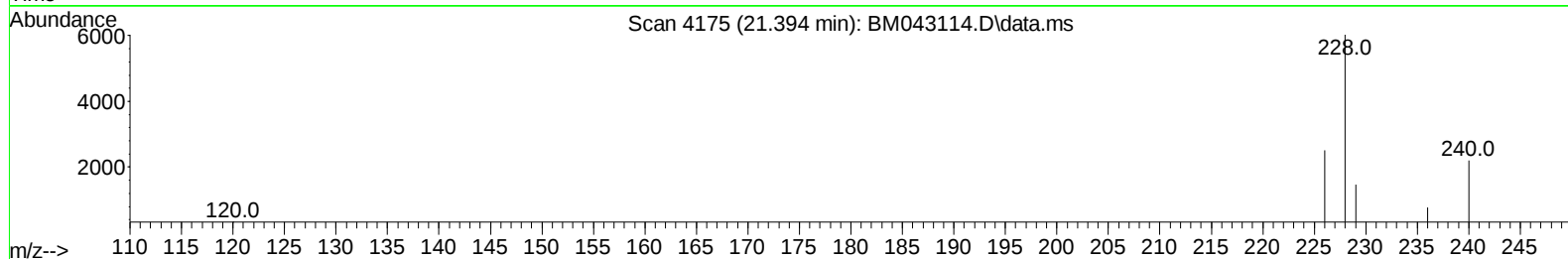
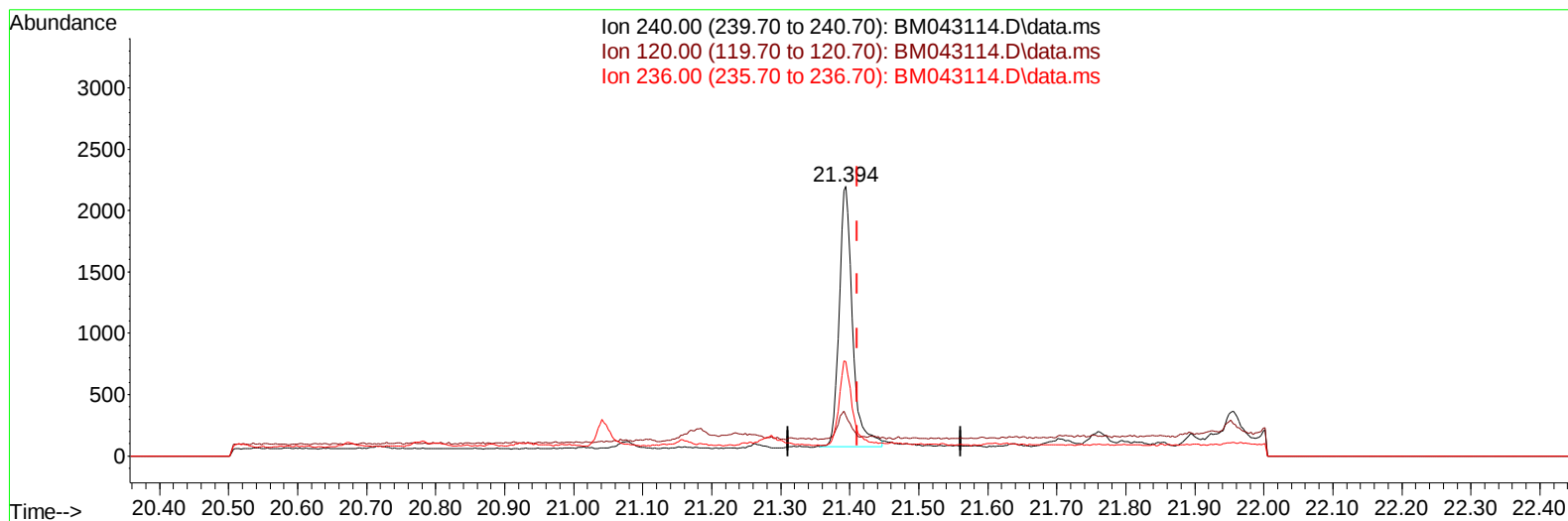
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(17) Chrysene-d12

21.394min (-0.017) 0.40 ng/ul m

response 2858

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	14.89#
236.00	38.50	35.02
0.00	0.00	0.00

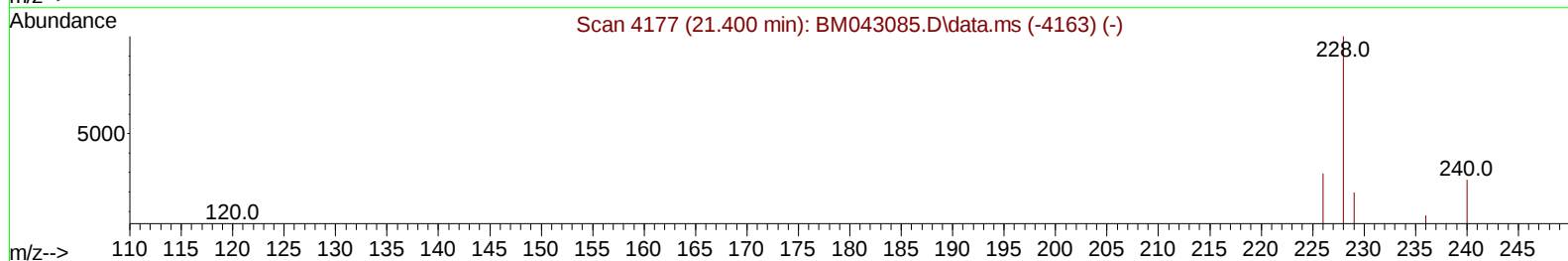
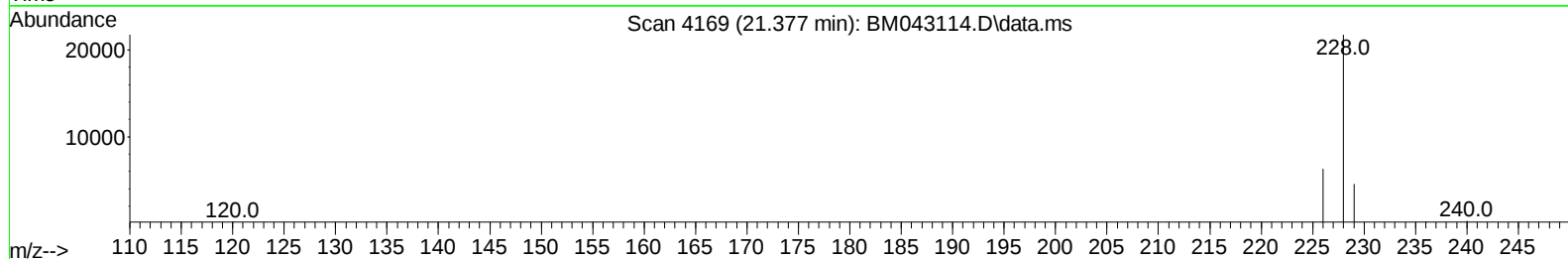
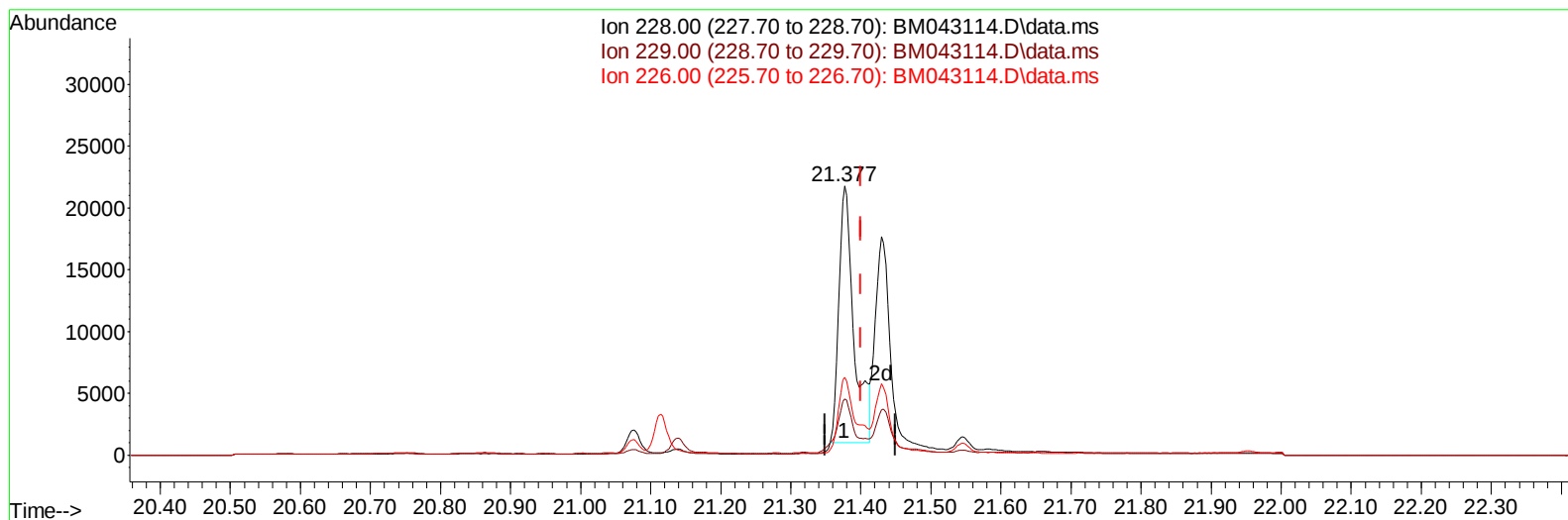
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(21) Benzo(a)anthracene

21.377min (-0.023) 3.26 ng/u1

response 30941

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	20.91
226.00	31.10	28.91
0.00	0.00	0.00

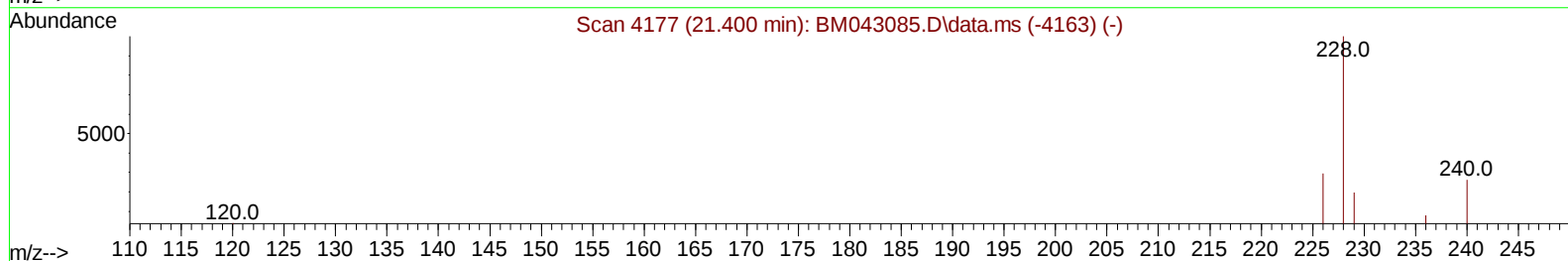
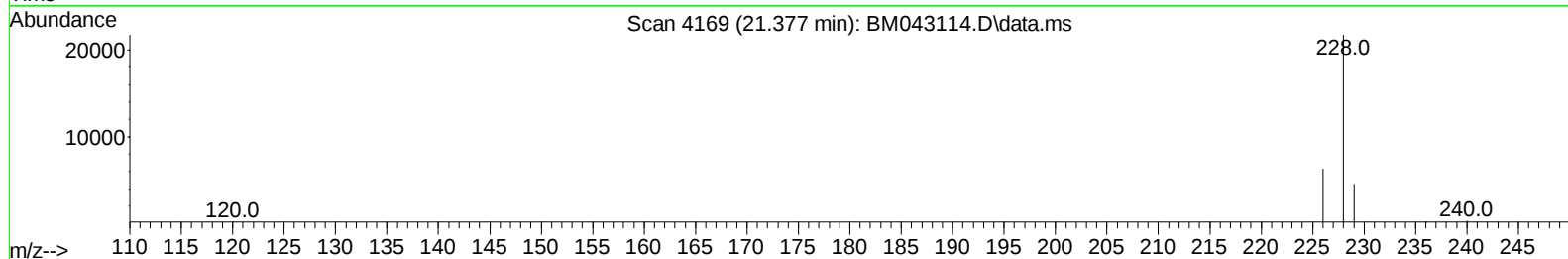
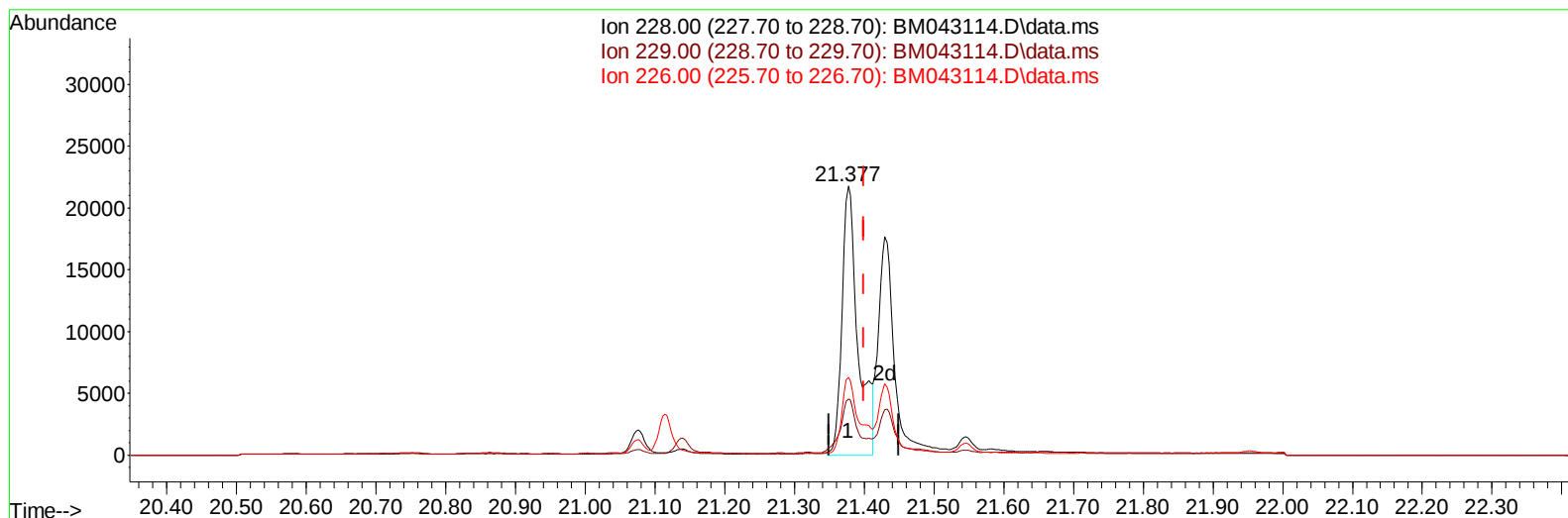
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043114.D
Acq On : 01 Dec 2023 09:22
Operator : MA/JU
Sample : 05459-19
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration

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Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(21) Benzo(a)anthracene

21.377min (-0.023) 3.74 ng/u1 m

response 34672

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	20.91
226.00	31.10	28.91
0.00	0.00	0.00

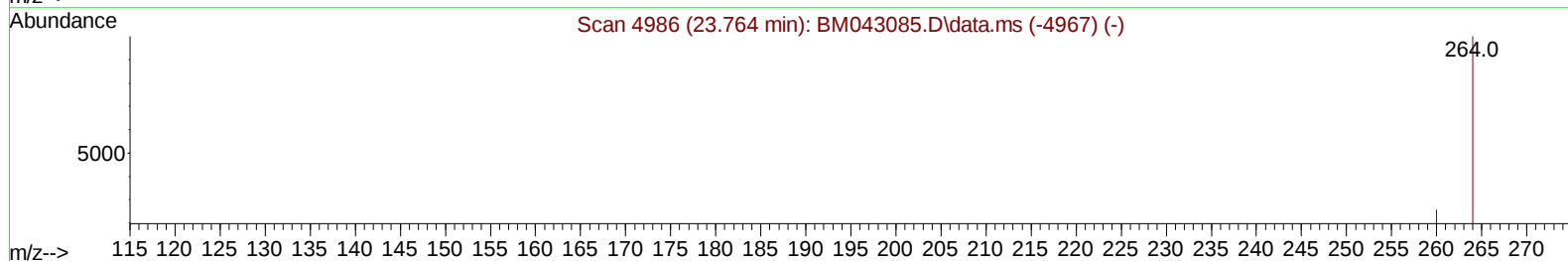
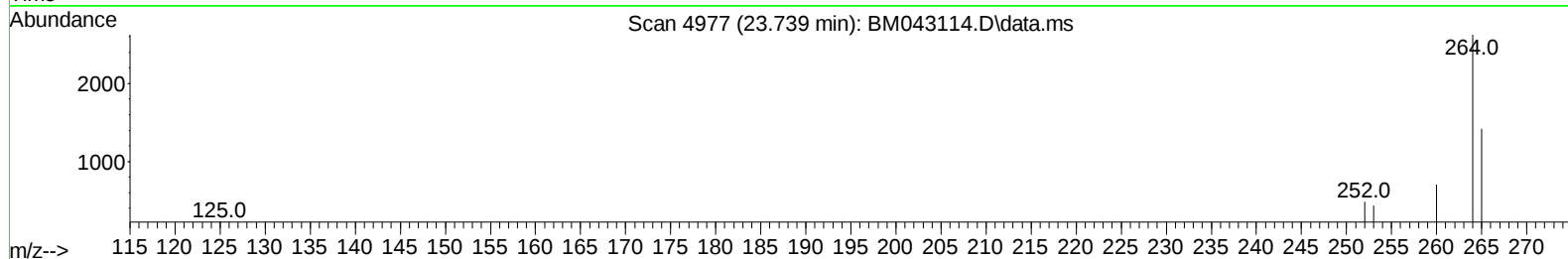
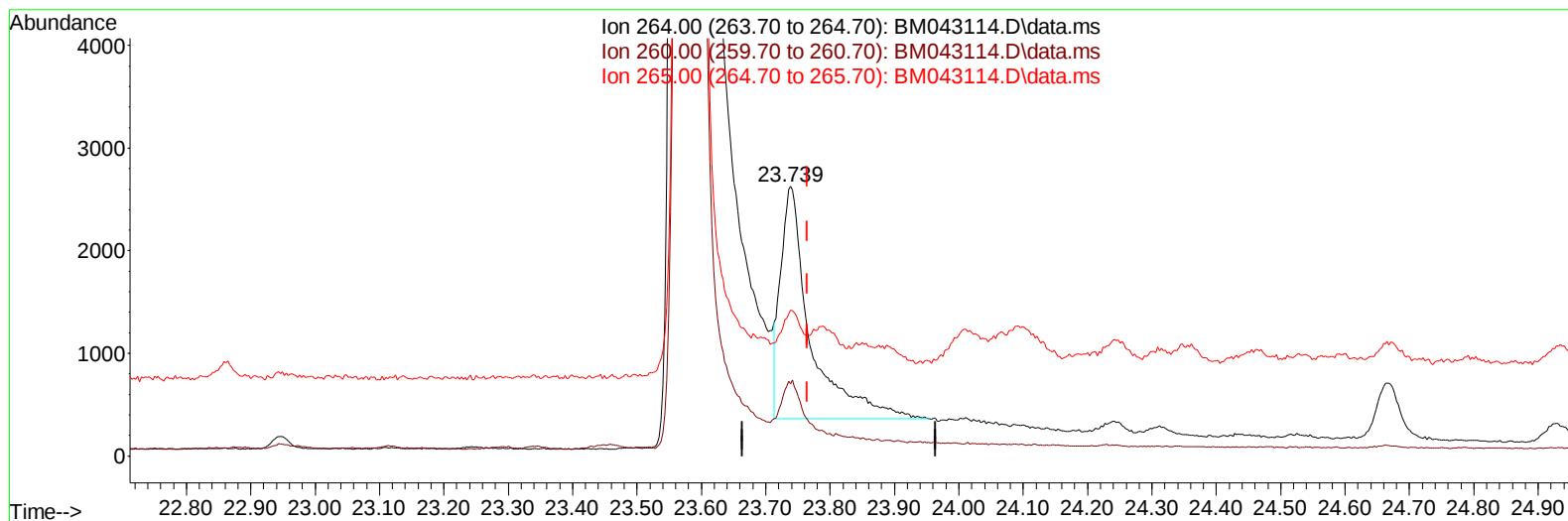
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(23) Perylene-d12 (I)

23.739min (-0.026) 0.40 ng/u1

response 7385

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	26.66#
265.00	120.30	54.15#
0.00	0.00	0.00

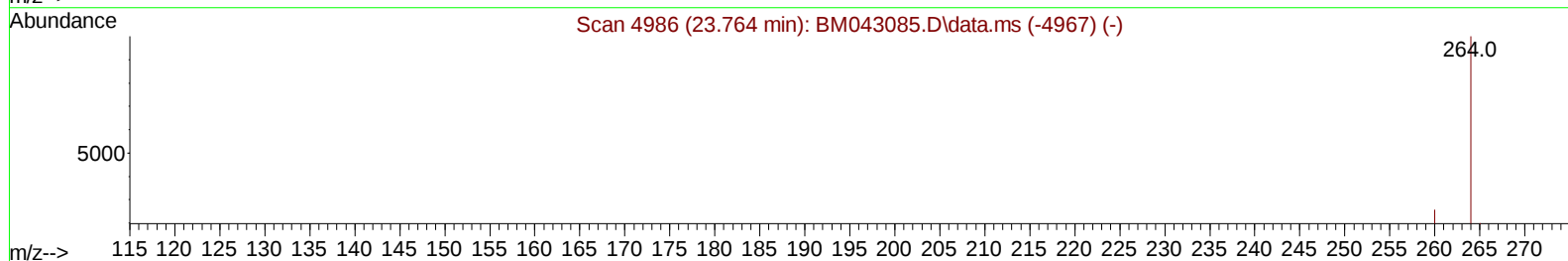
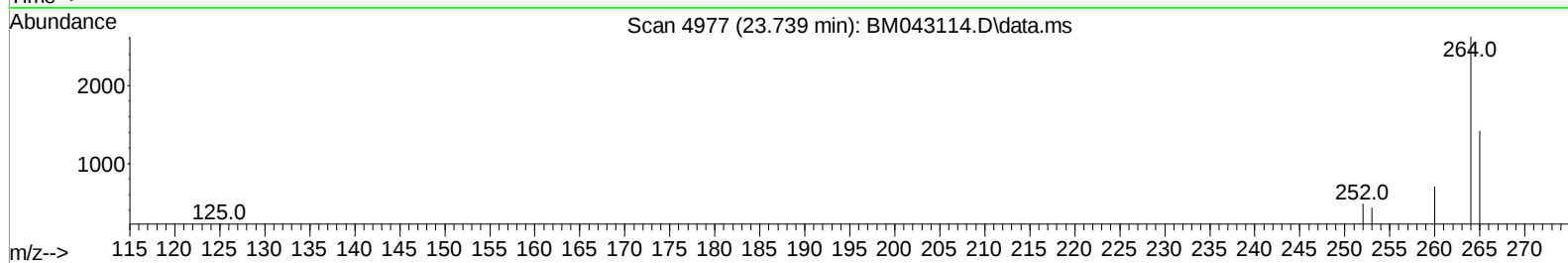
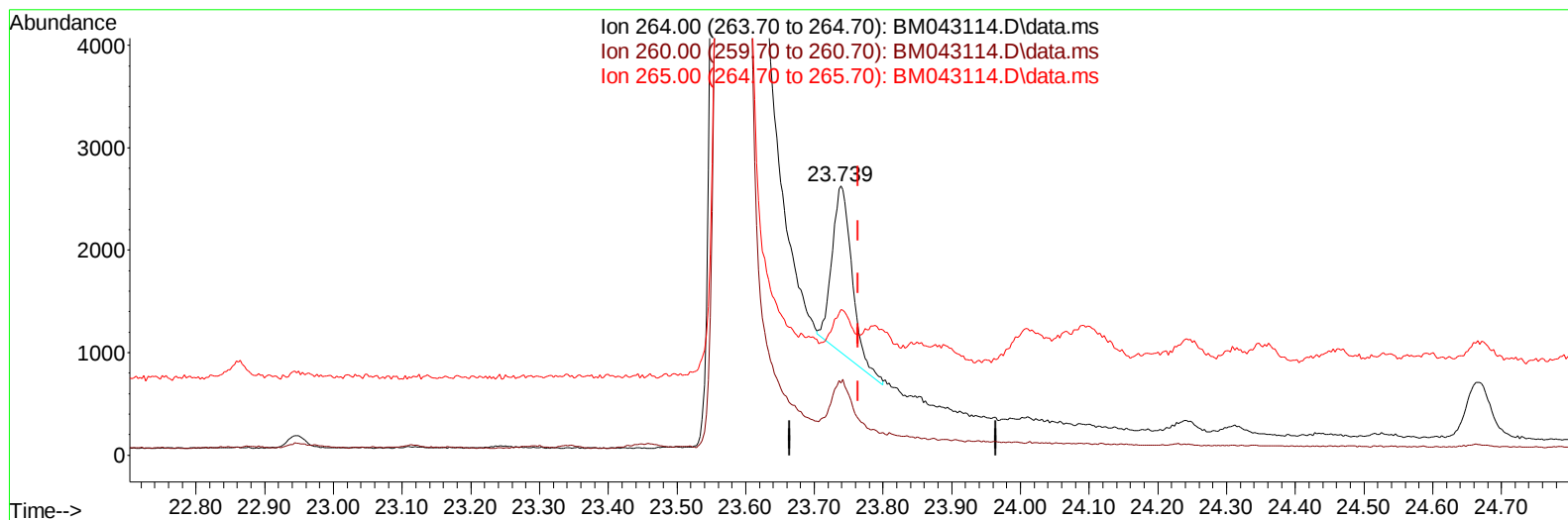
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(23) Perylene-d12 (I)

23.739min (-0.026) 0.40 ng/ul m

response 3260

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	26.66#
265.00	120.30	54.15#
0.00	0.00	0.00

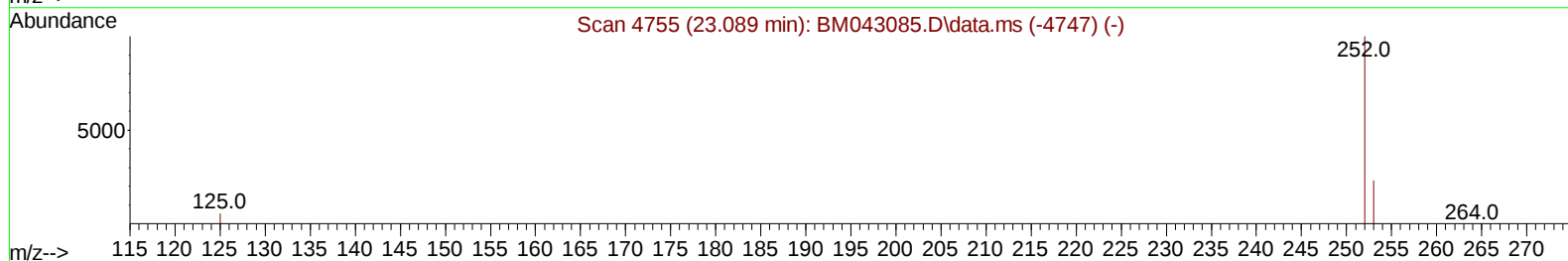
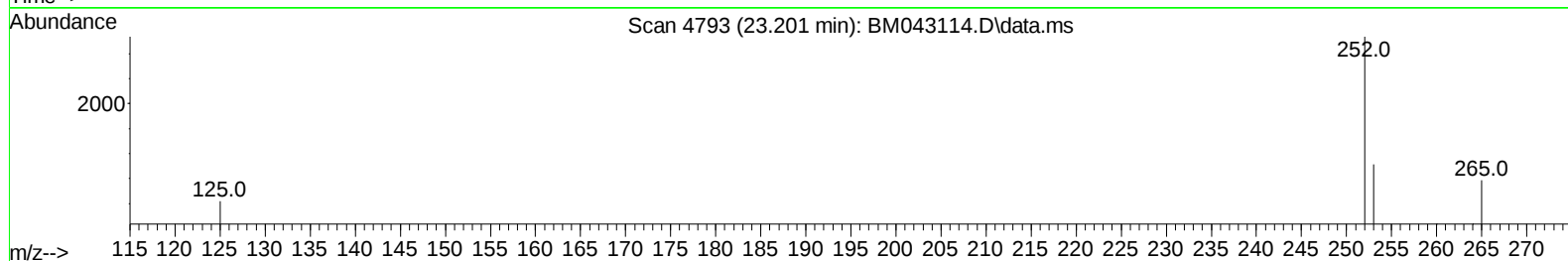
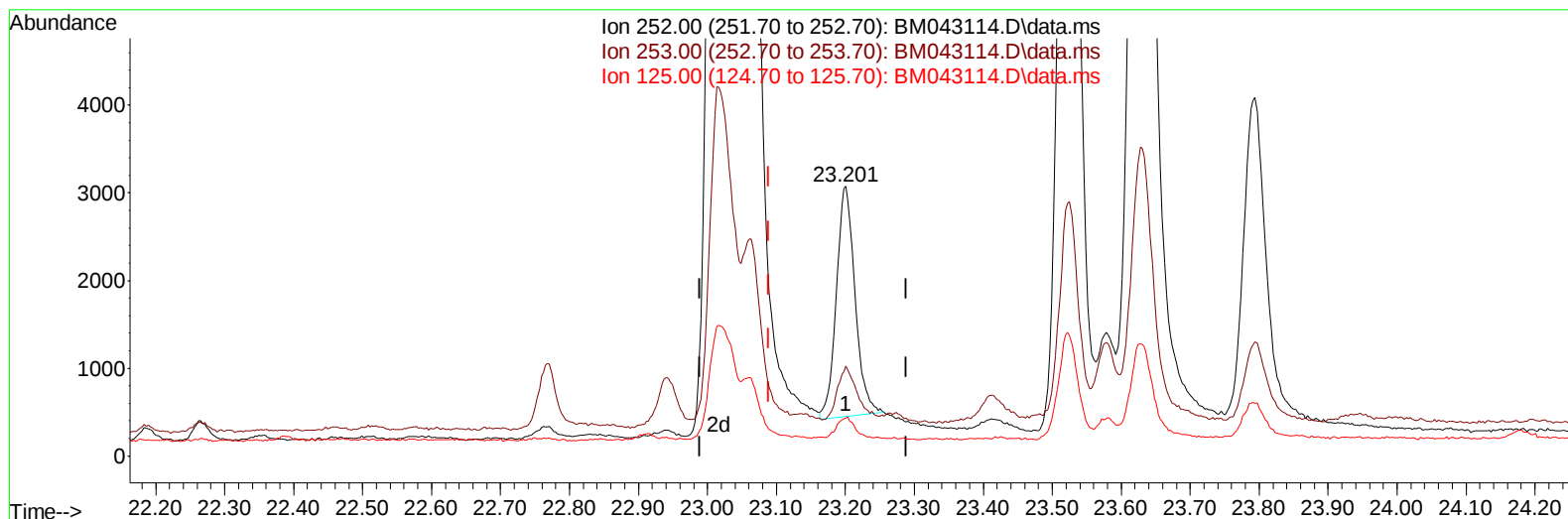
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
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Instrument :
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 ClientSampleId :
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TIC: BM043114.D\data.ms

(25) Benzo(k)fluoranthene

23.201min (+ 0.112) 0.33 ng/u1

response 4940

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	33.29
125.00	13.80	14.16
0.00	0.00	0.00

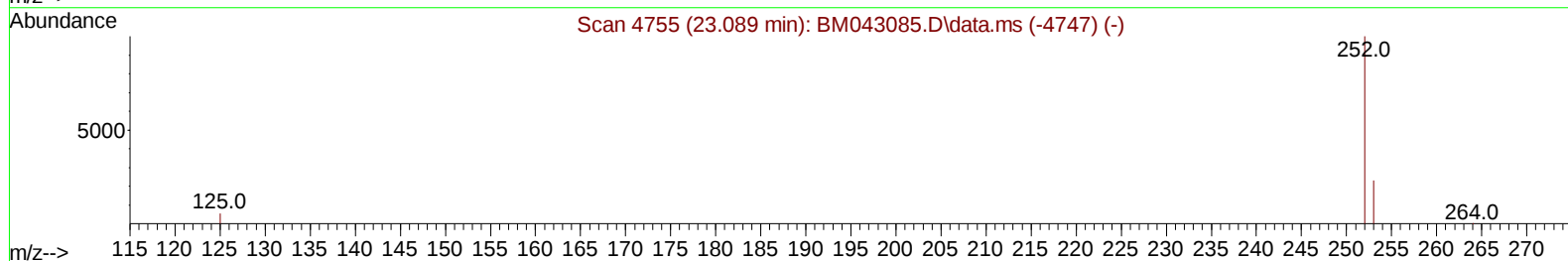
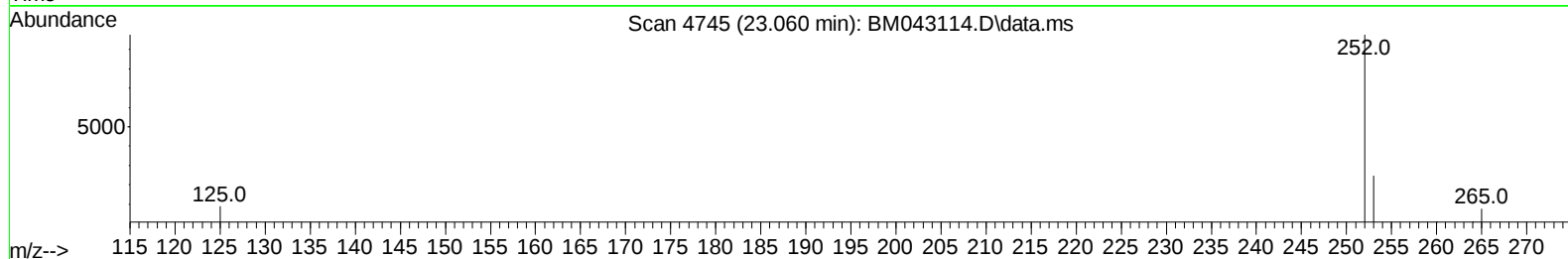
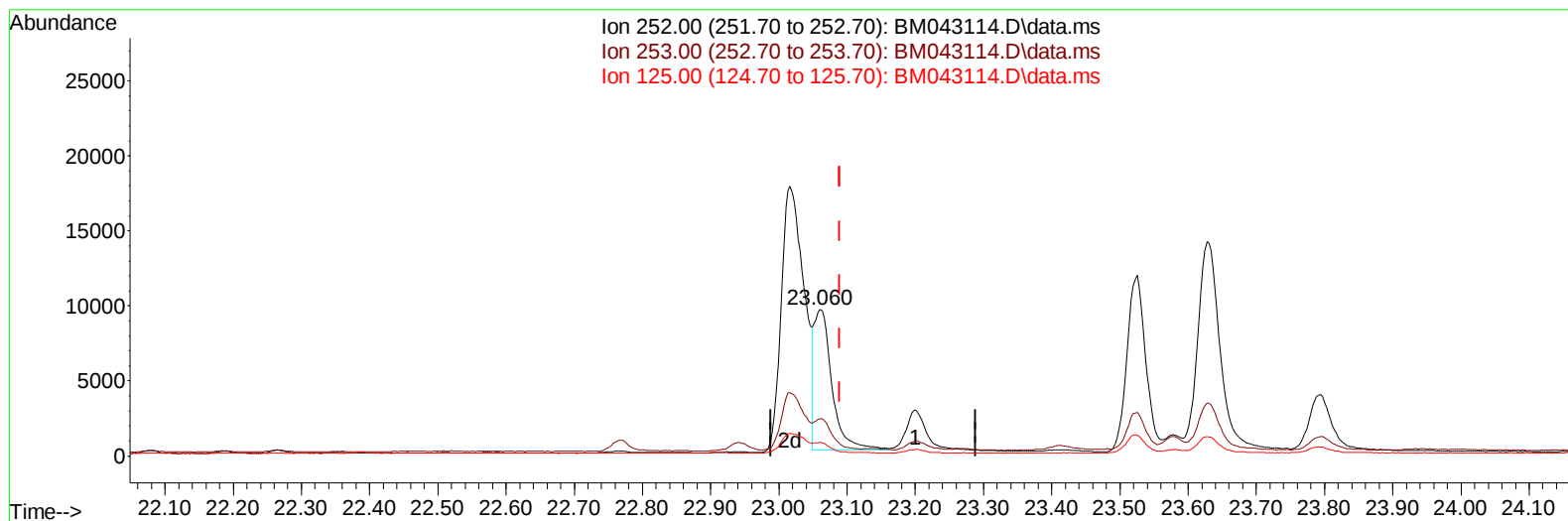
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

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TIC: BM043114.D\data.ms

(25) Benzo(k)fluoranthene

23.060min (-0.029) 1.12 ng/u1 m

response 16994

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	25.31#
125.00	13.80	9.19#
0.00	0.00	0.00

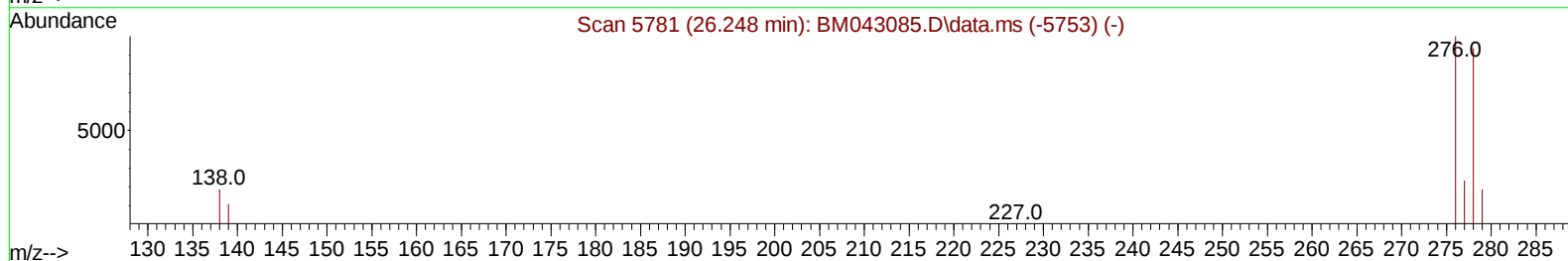
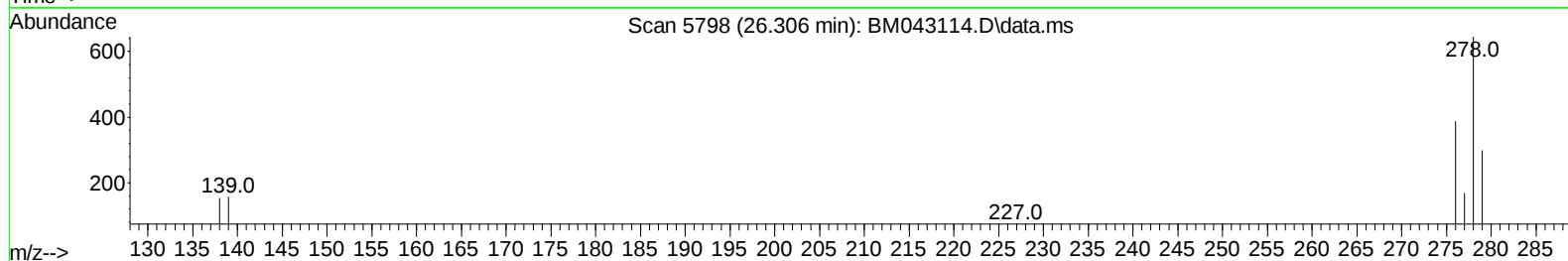
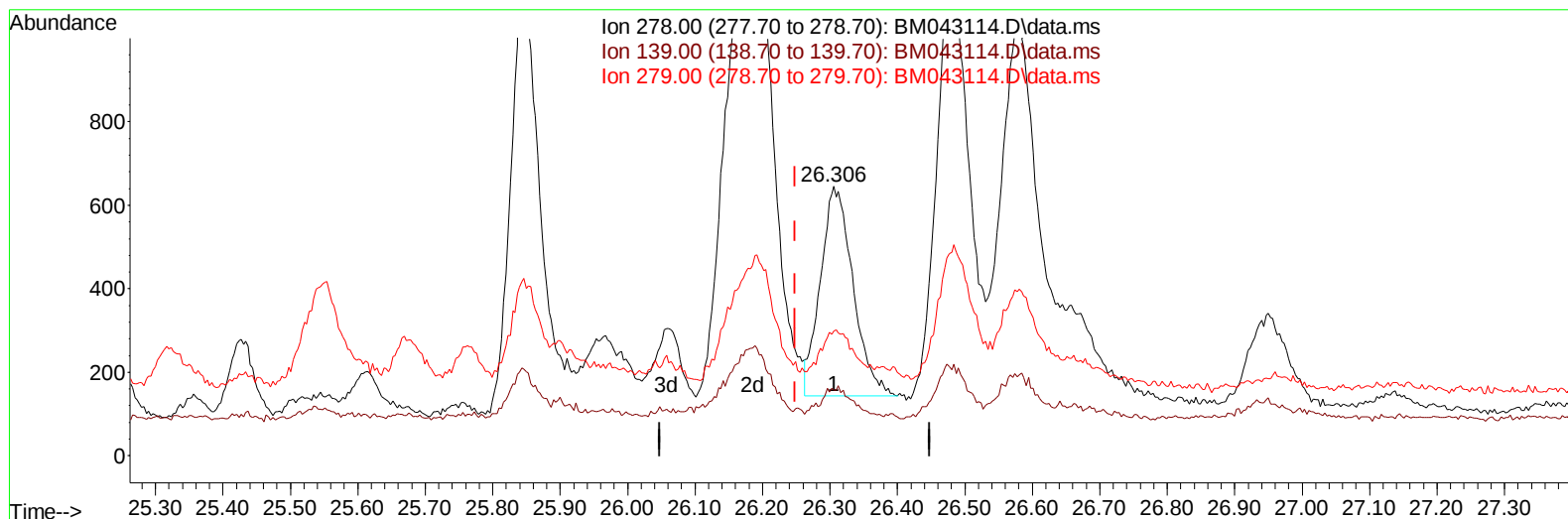
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 ALS Vial : 31 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BM043114.D\data.ms

(28) Dibenzo(a,h)anthracene

26.306min (+ 0.058) 0.13 ng/u1

response 1682

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	24.34
279.00	43.00	46.20
0.00	0.00	0.00

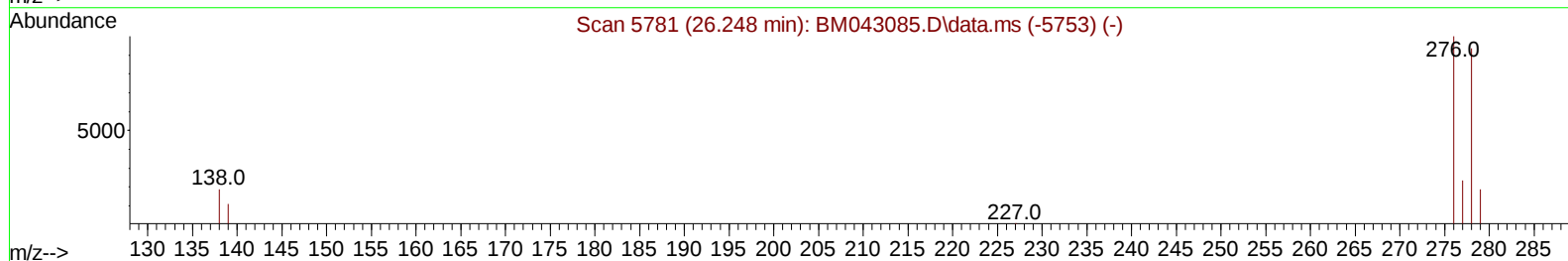
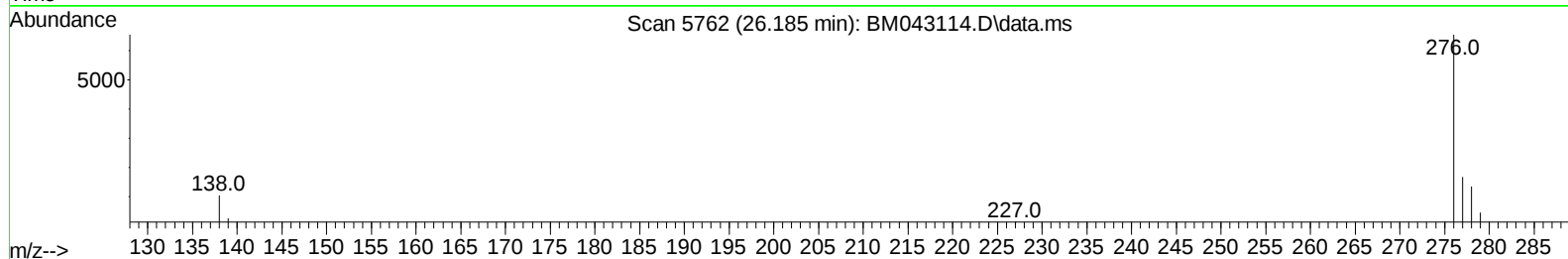
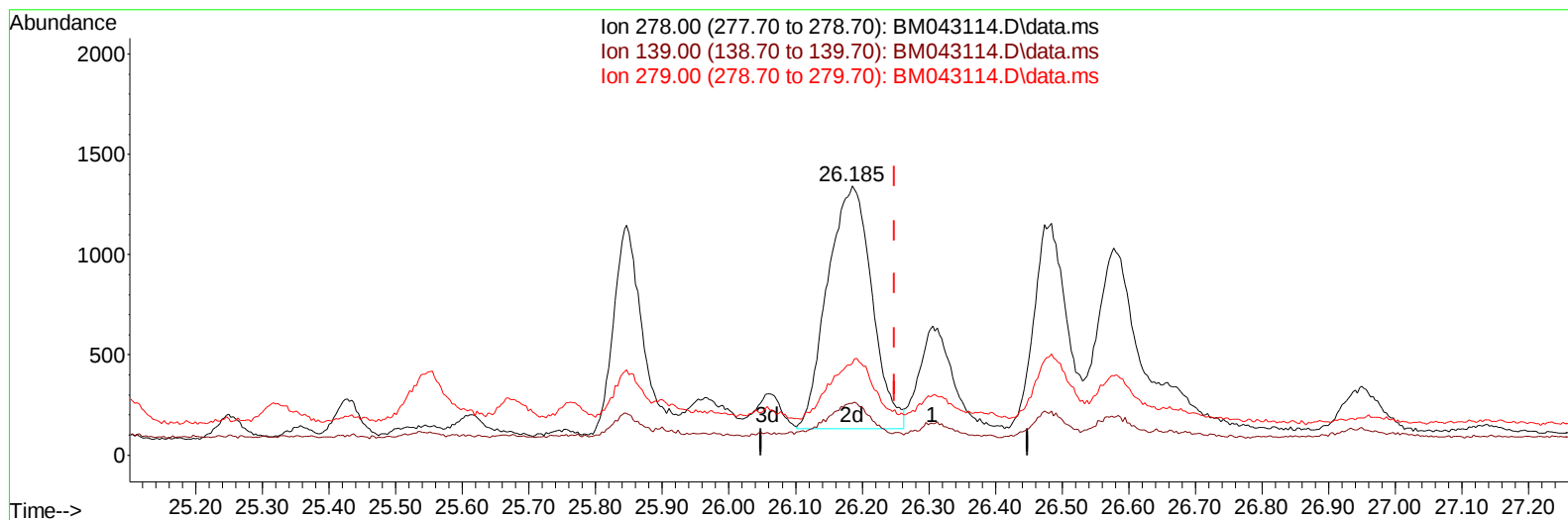
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043114.D\data.ms

(28) Dibenzo(a,h)anthracene

26.185min (-0.063) 0.45 ng/u1 m

response 5603

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	19.24
279.00	43.00	34.00#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1017m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.600	136	2675	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1546m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.203	188	3325m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.394	240	2858m	0.400	ng/ul	-0.02
23) Perylene-d12	23.739	264	3260m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	4766	3.054	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	1319	0.369	ng/ul	-0.03
18) Fluoranthene-d10	19.229	212	3844	0.369	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.649	128	4611	0.634	ng/ul#	86
7) 2-Methylnaphthalene	12.272	142	2848	0.664	ng/ul	96
8) 1-Methylnaphthalene	12.492	142	1963	0.411	ng/ul	96
10) Acenaphthylene	14.172	152	3776	0.479	ng/ul	95
11) Acenaphthene	14.510	153	671	0.112	ng/ul	98
12) Fluorene	15.500	166	945	0.154	ng/ul#	97
15) Phenanthrene	17.241	178	33104m	3.489	ng/ul	
16) Anthracene	17.334	178	7525	0.837	ng/ul	93
19) Fluoranthene	19.261	202	71462	4.410	ng/ul#	91
20) Pyrene	19.628	202	62588	3.632	ng/ul#	92
21) Benzo(a)anthracene	21.377	228	34672m	3.739	ng/ul	
22) Chrysene	21.430	228	25692	1.488	ng/ul	97
24) Benzo(b)fluoranthene	23.016	252	41554	3.777	ng/ul	81
25) Benzo(k)fluoranthene	23.060	252	16994m	1.122	ng/ul	
26) Benzo(a)pyrene	23.628	252	30748	2.561	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.175	276	24941	1.535	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.185	278	5603m	0.446	ng/ul	
29) Benzo(g,h,i)perylene	26.936	276	22591	1.429	ng/ul#	90

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

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