

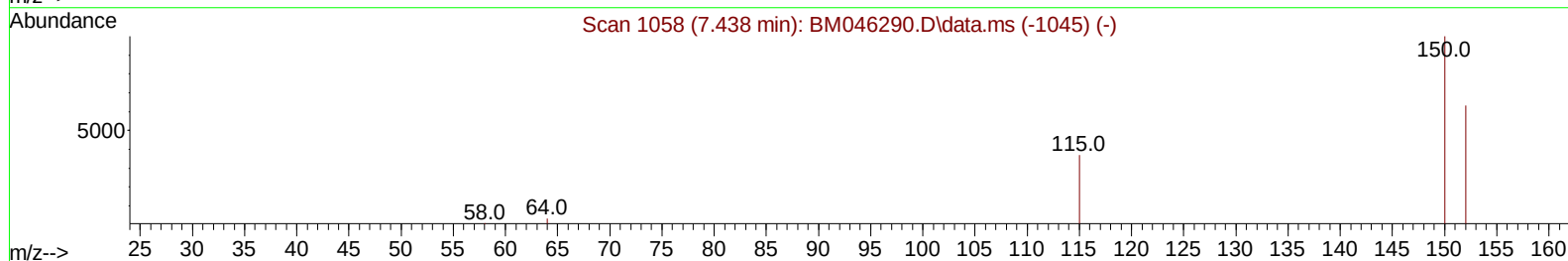
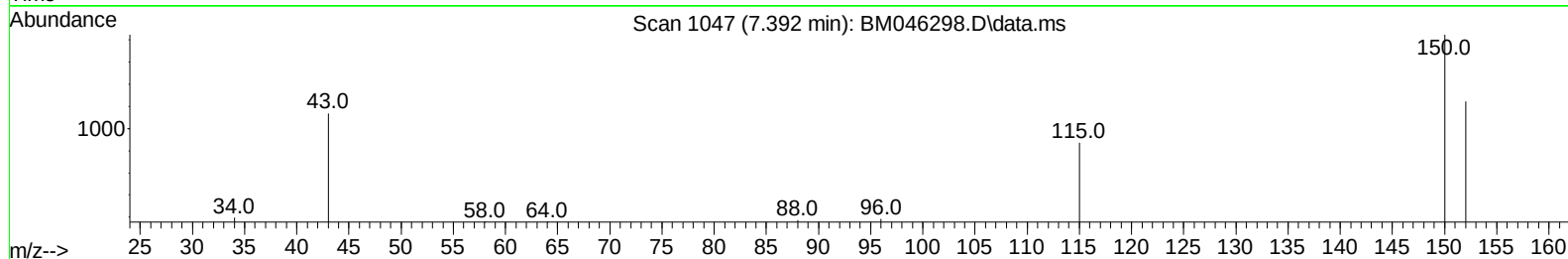
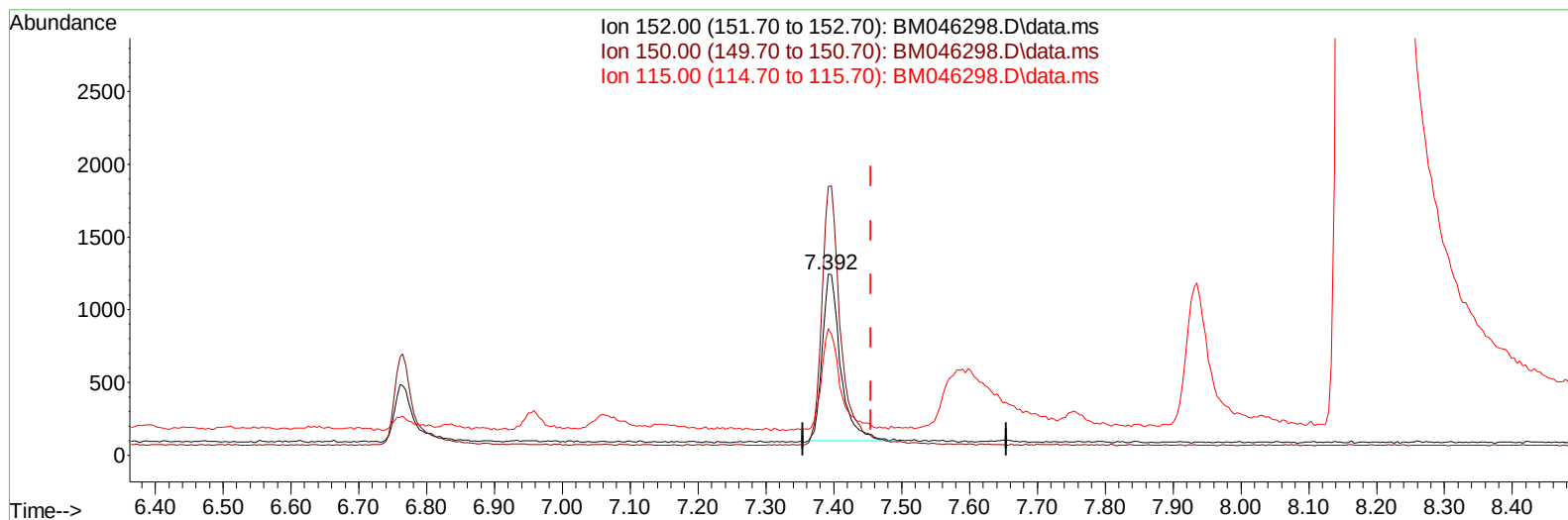
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

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

7.392min (-0.063) 0.40 ng/ul

response 2131

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	145.80	148.35
115.00	80.40	70.04
0.00	0.00	0.00

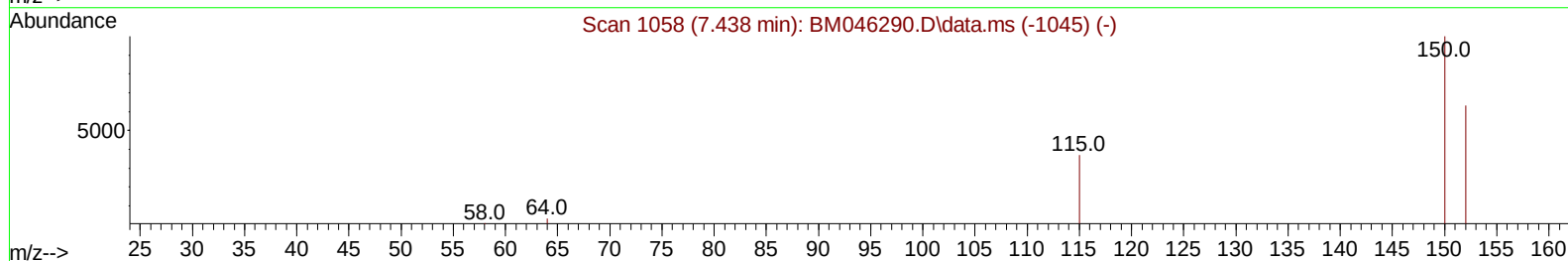
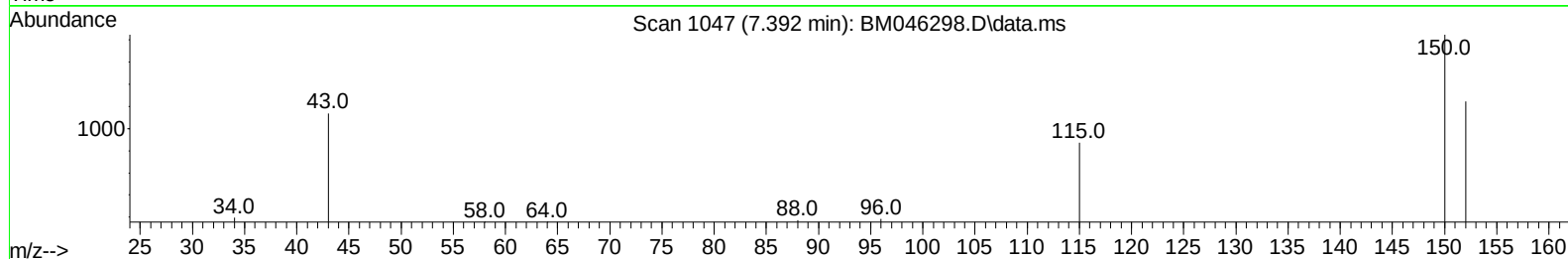
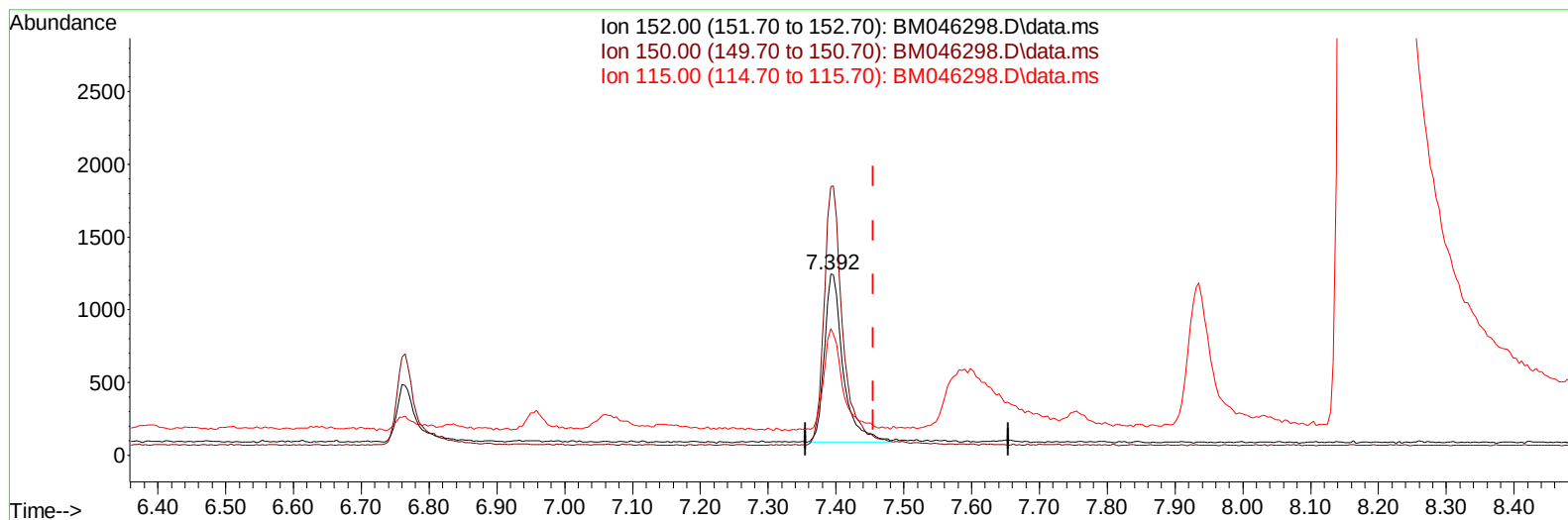
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

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TIC: BM046298.D\data.ms

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

7.392min (-0.063) 0.40 ng/ul m

response 2218

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	145.80	148.35
115.00	80.40	70.04
0.00	0.00	0.00

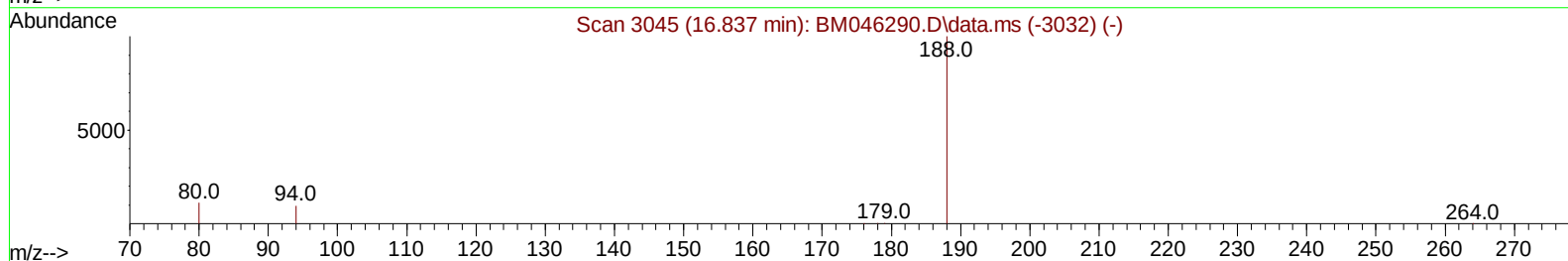
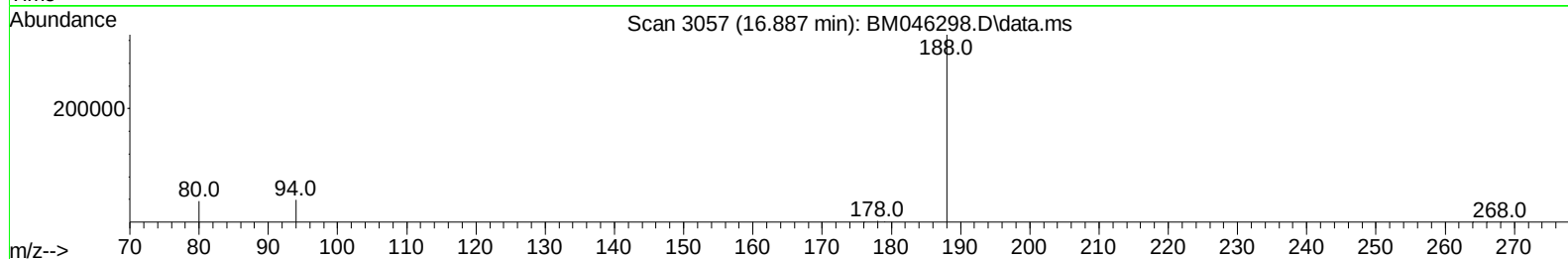
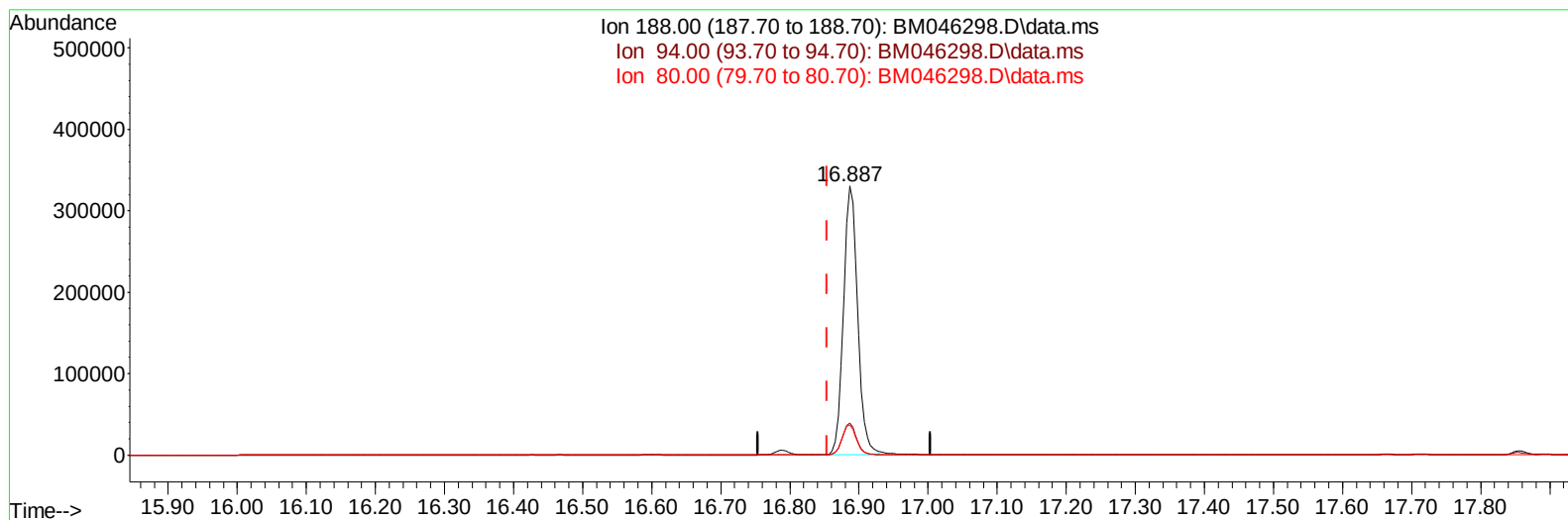
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

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TIC: BM046298.D\data.ms

(13) Phenanthrene-d10 (I)

16.887min (+ 0.033) 0.40 ng/u1

response 470161

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.81
80.00	15.20	11.31#
0.00	0.00	0.00

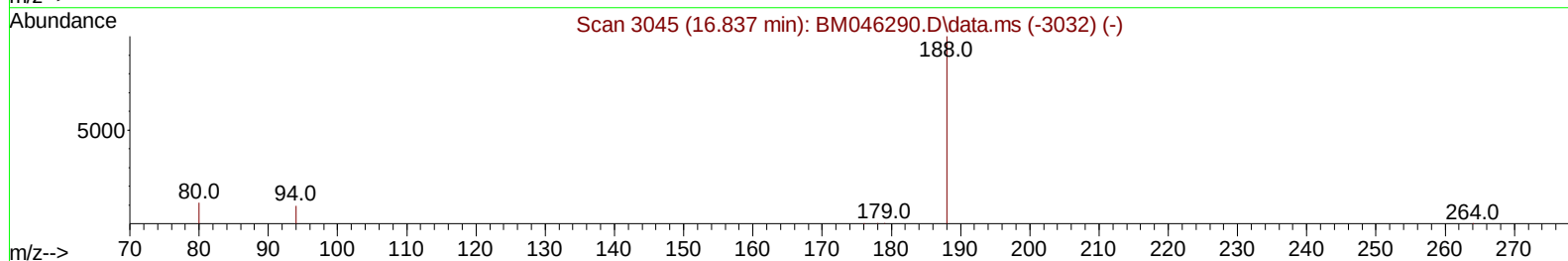
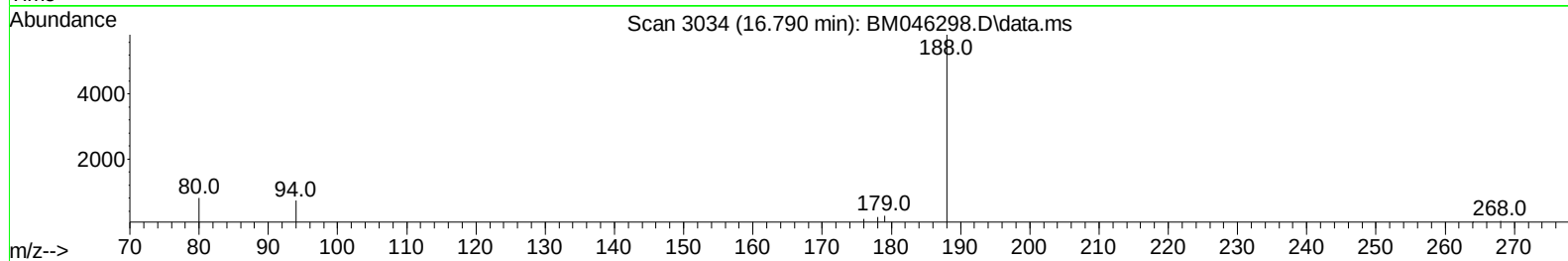
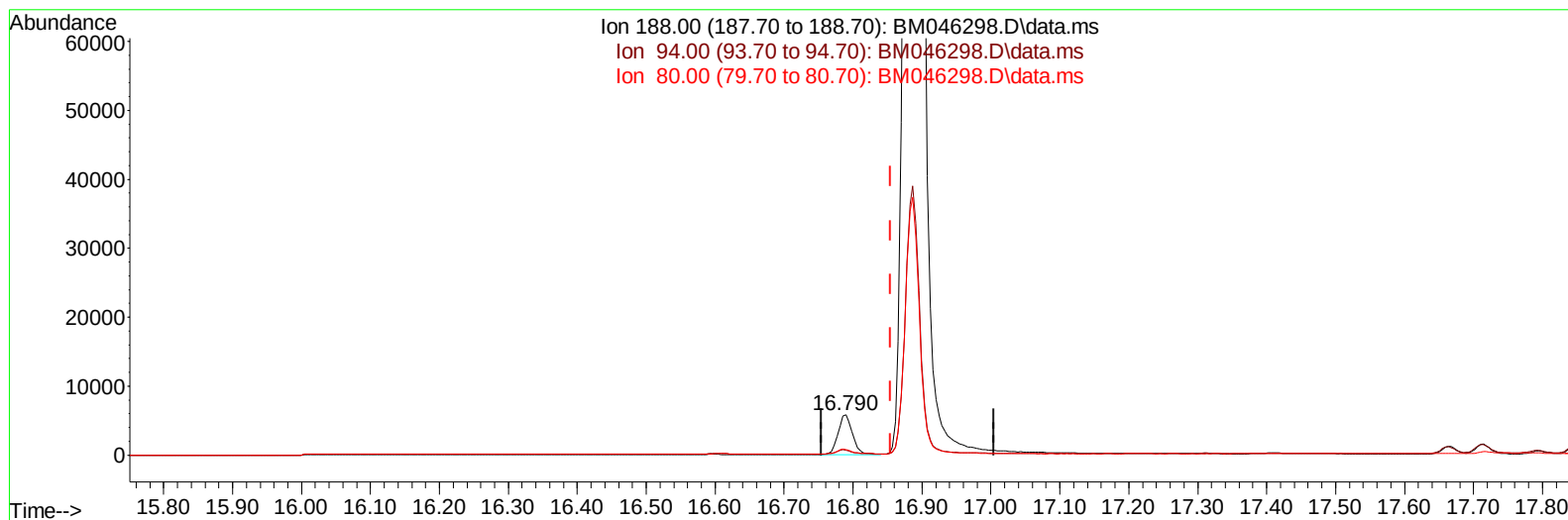
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

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TIC: BM046298.D\data.ms

(13) Phenanthrene-d10 (I)

16.790min (-0.065) 0.40 ng/ul m

response 8371

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.37
80.00	15.20	13.75
0.00	0.00	0.00

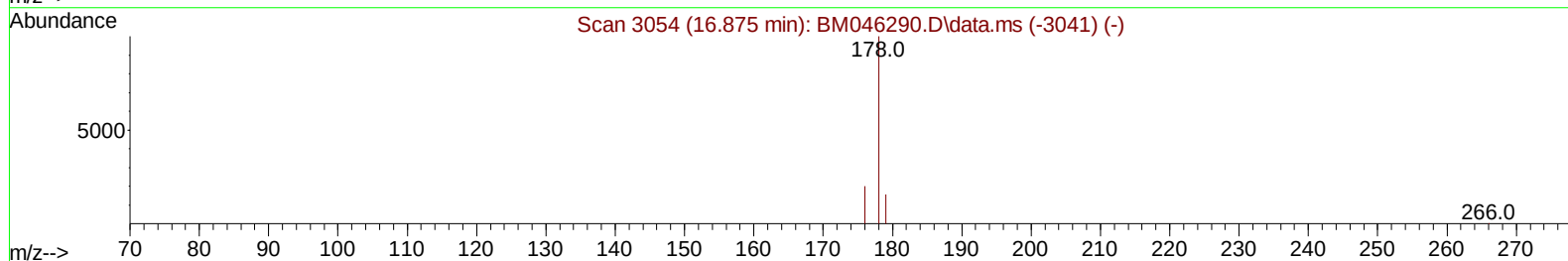
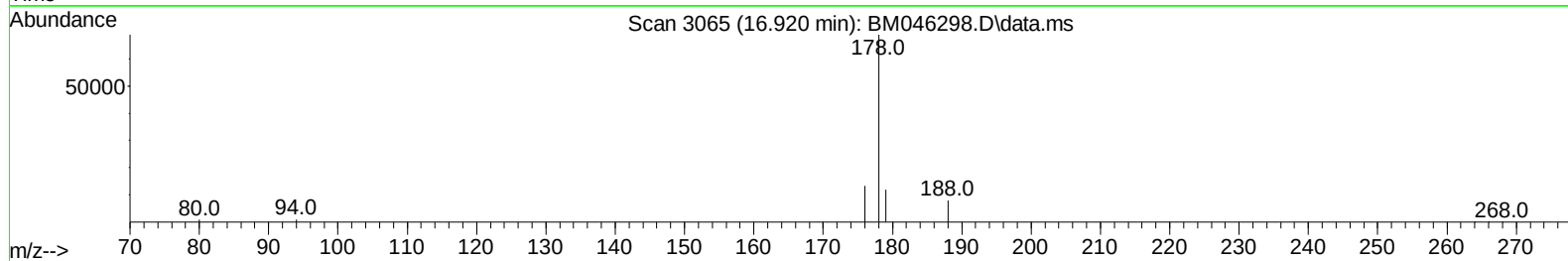
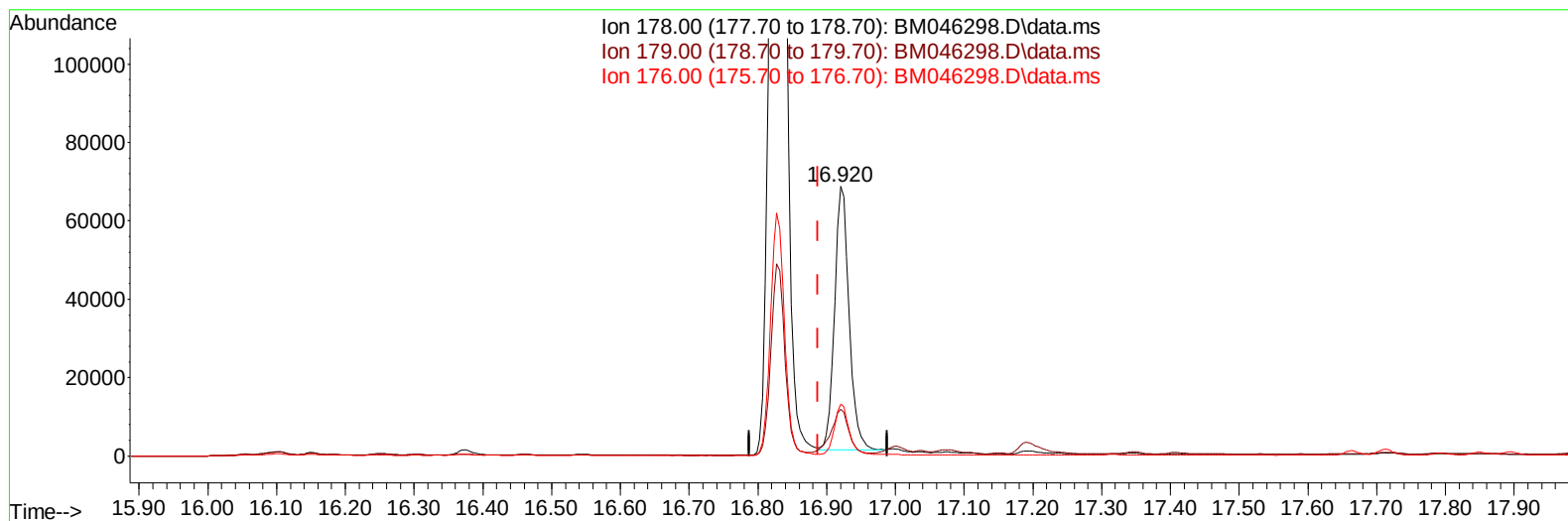
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

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TIC: BM046298.D\data.ms

(15) Phenanthrene

16.920min (+ 0.032) 4.17 ng/u1

response 98010

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.34
176.00	21.40	19.26
0.00	0.00	0.00

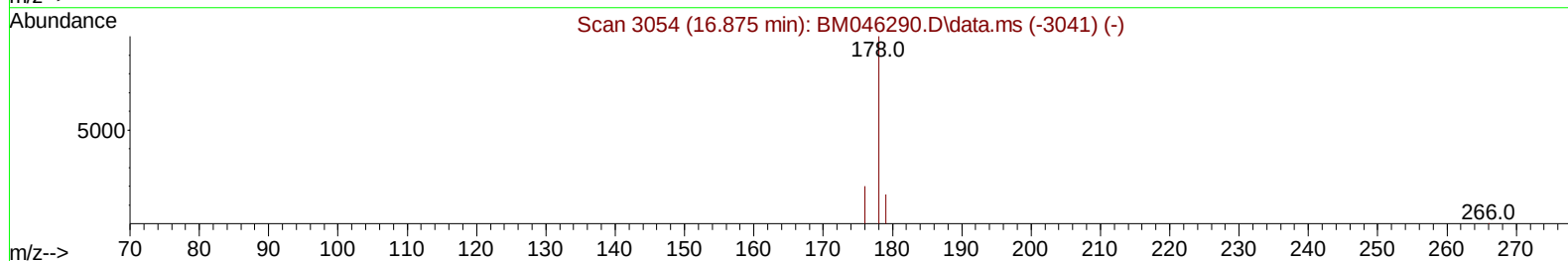
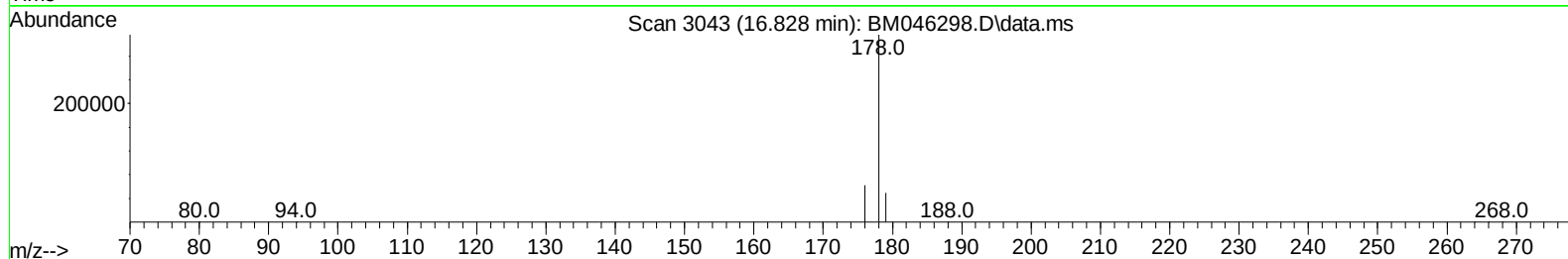
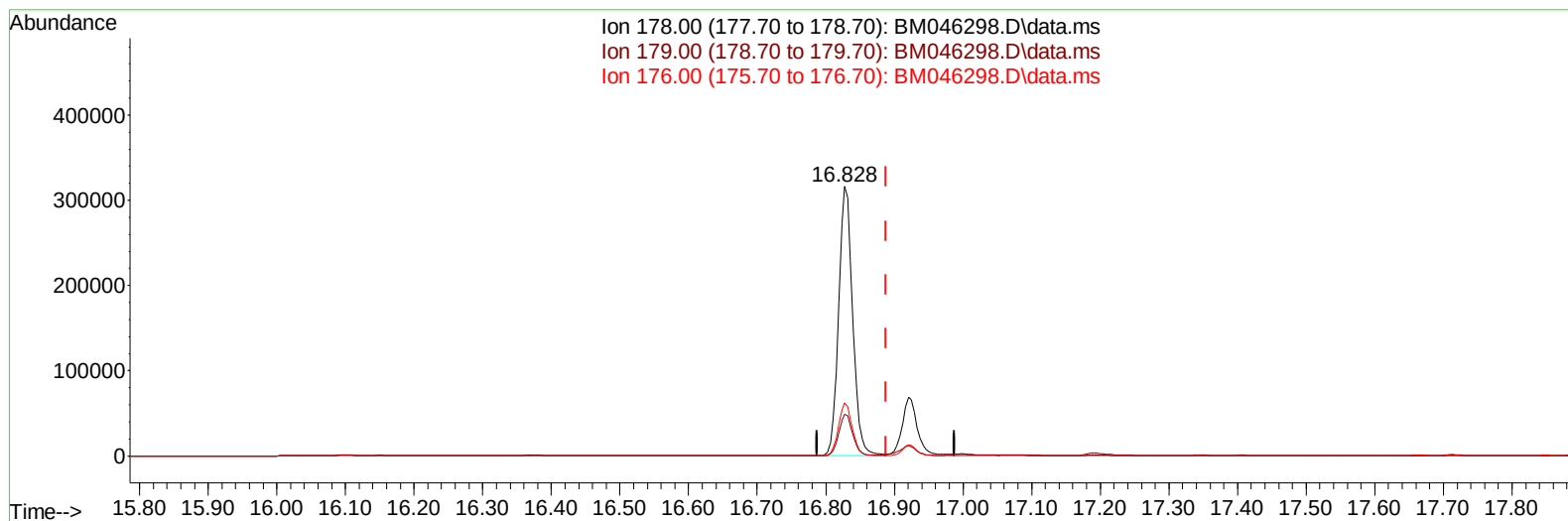
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046298.D
 Acq On : 25 Jun 2024 19:07
 Operator : MA/JU
 Sample : P2844-21
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
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Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

(15) Phenanthrene

16.828min (-0.060) 19.14 ng/ul m

response 450098

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.52
176.00	21.40	19.60
0.00	0.00	0.00

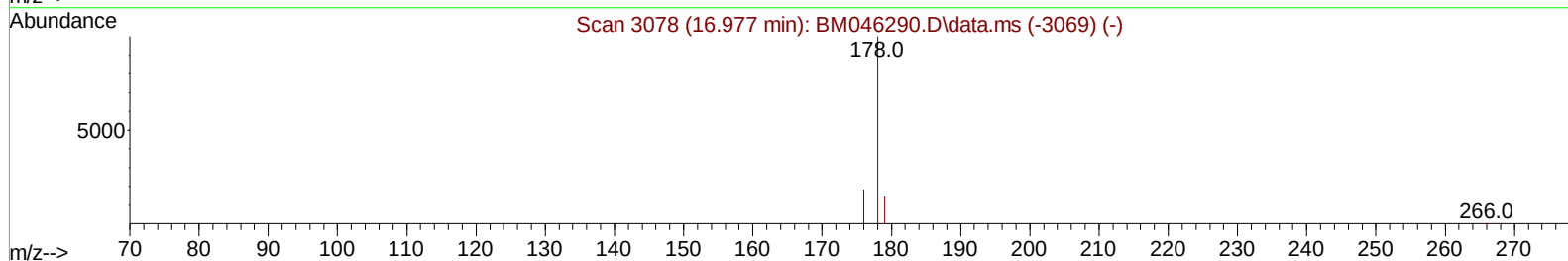
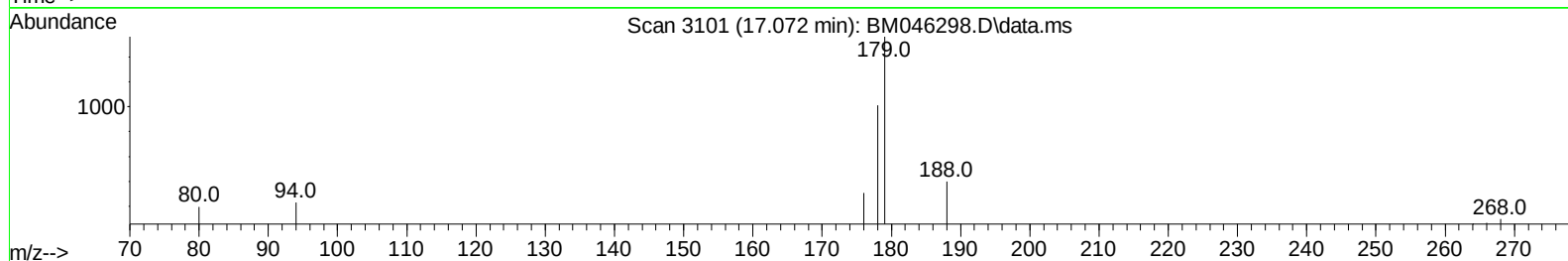
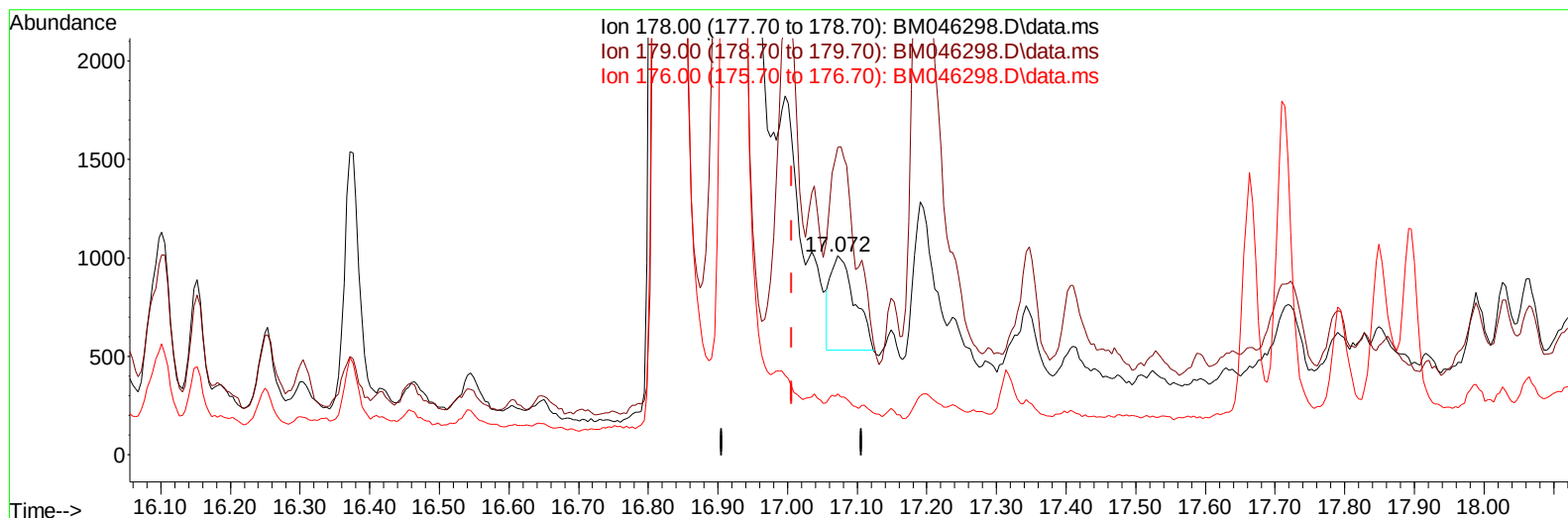
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

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TIC: BM046298.D\data.ms

(16) Anthracene

17.072min (+ 0.066) 0.07 ng/u1

response 1155

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	154.50#
176.00	21.20	30.66#
0.00	0.00	0.00

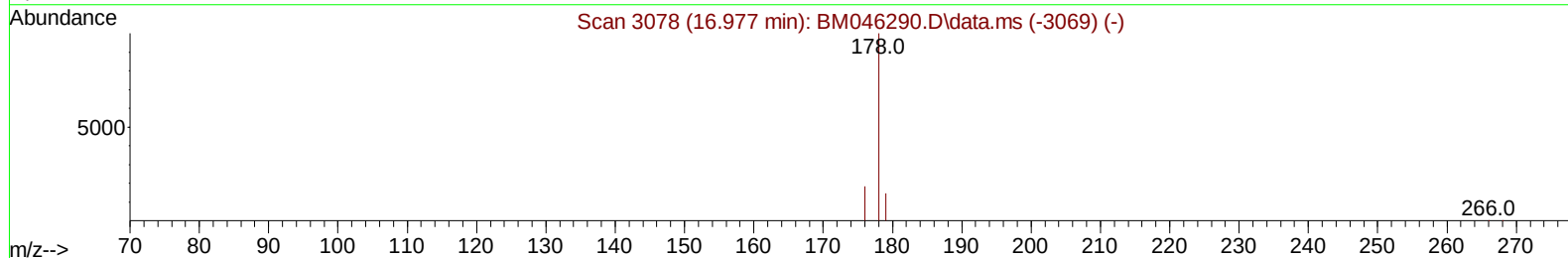
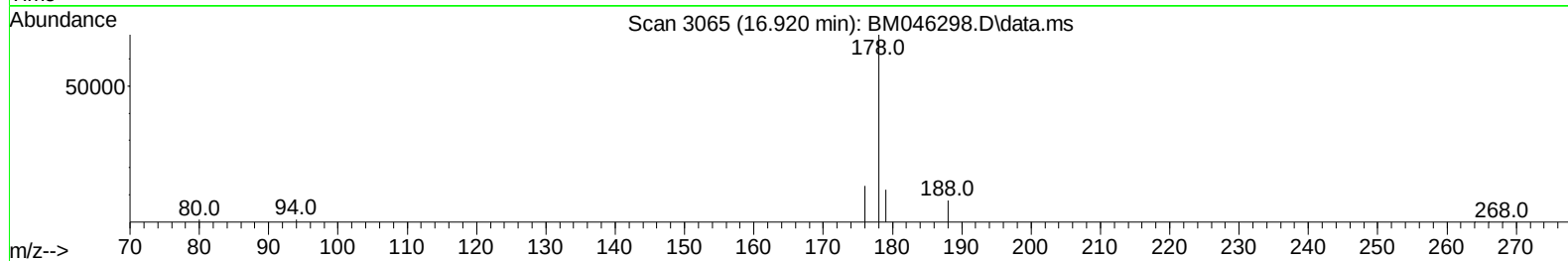
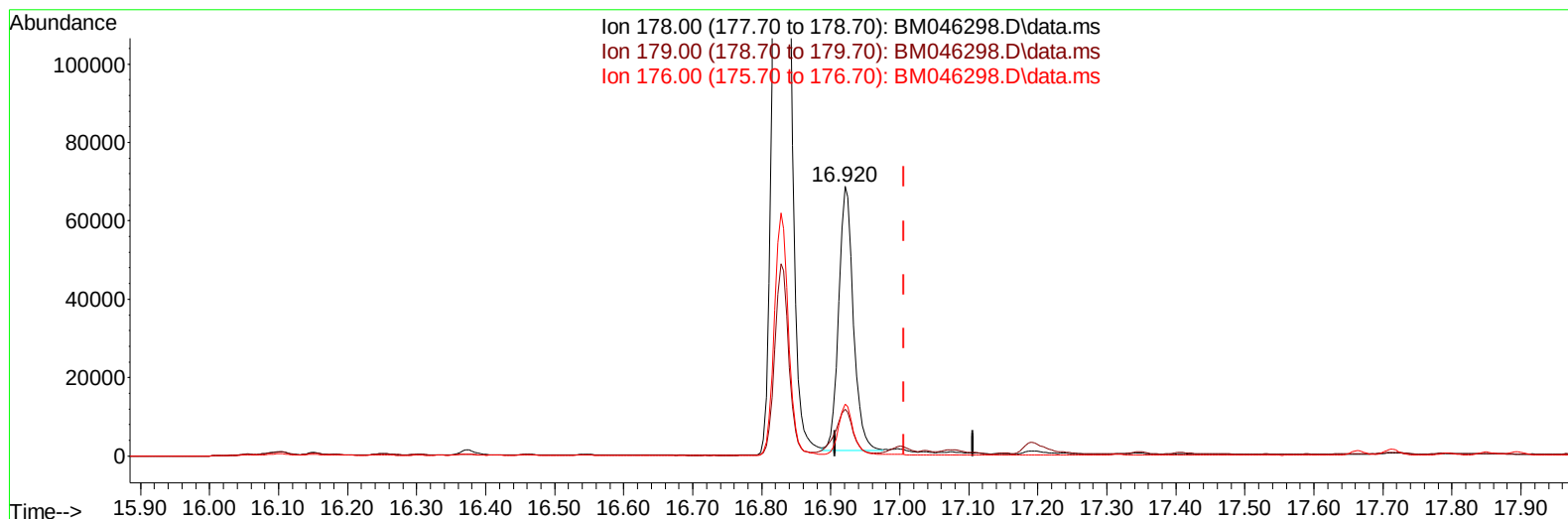
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

(16) Anthracene

16.920min (-0.086) 5.68 ng/ul m

response 99413

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.34
176.00	21.20	19.26
0.00	0.00	0.00

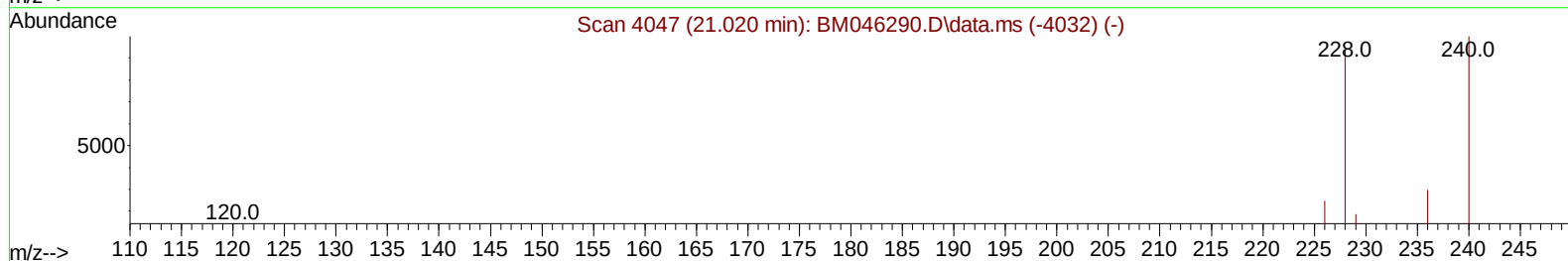
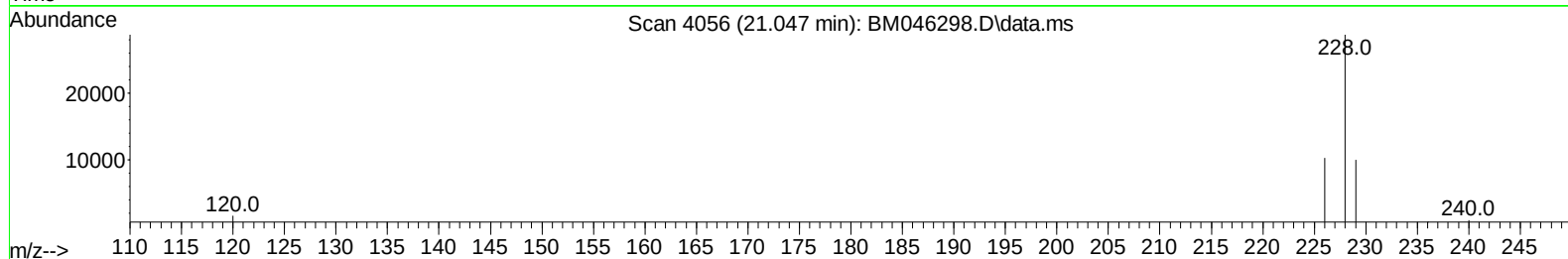
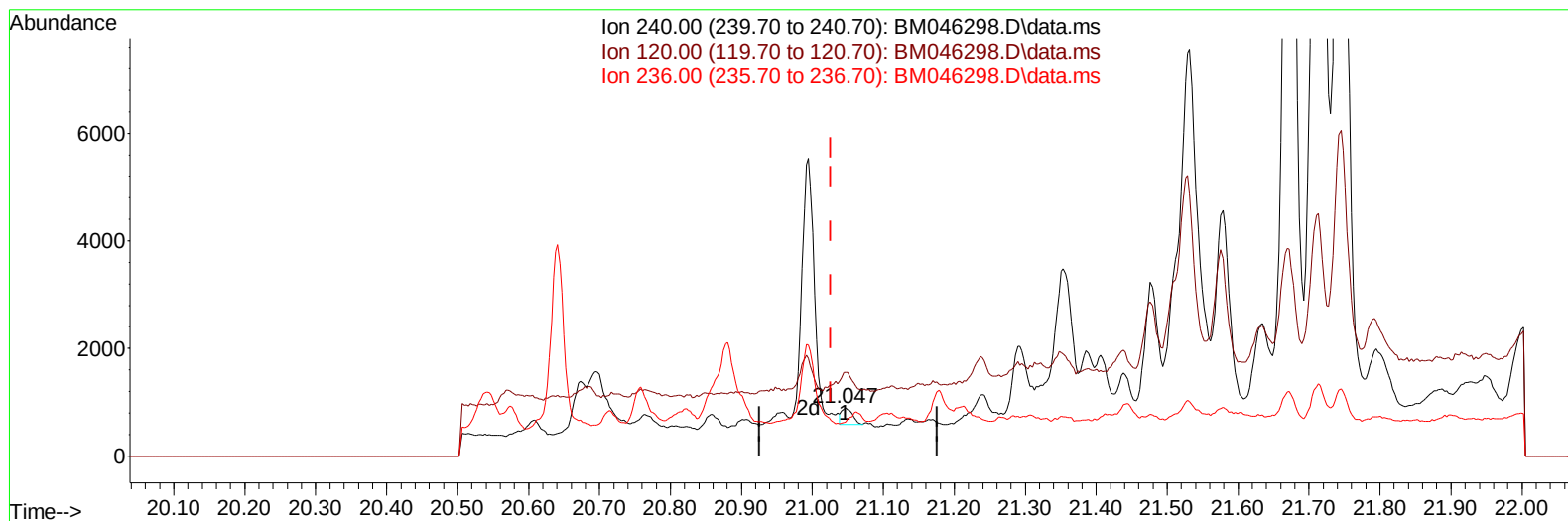
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/27/2024

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TIC: BM046298.D\data.ms

(17) Chrysene-d12

21.047min (+ 0.021) 0.40 ng/u1

response 319

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	174.00#
236.00	33.60	71.21#
0.00	0.00	0.00

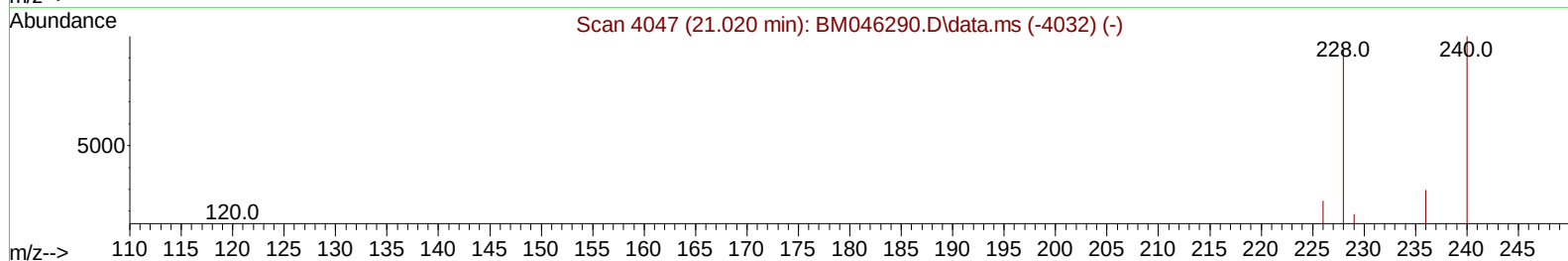
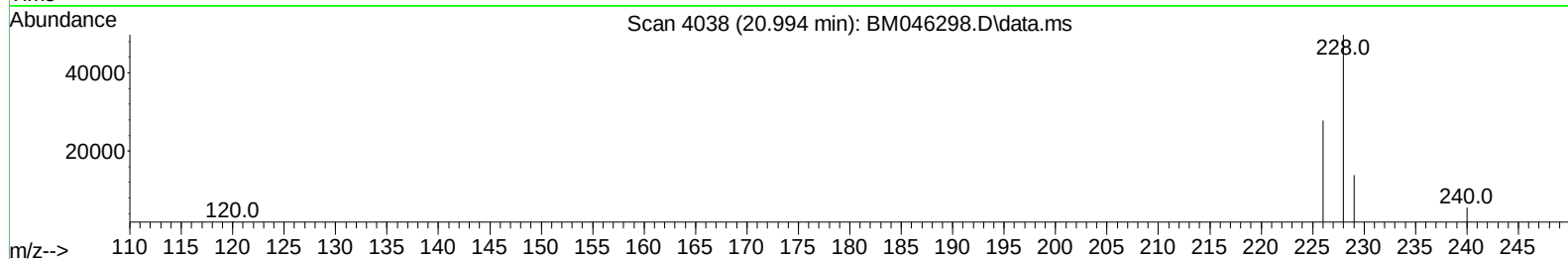
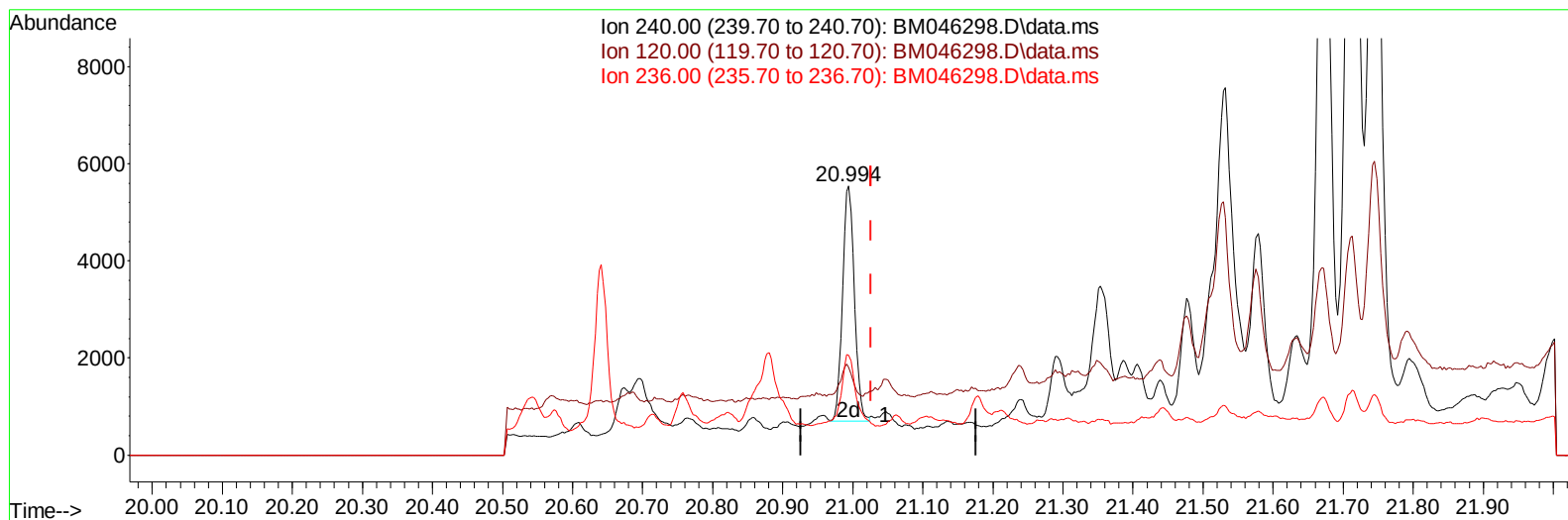
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Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

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TIC: BM046298.D\data.ms

(17) Chrysene-d12

20.994min (-0.032) 0.40 ng/ul m

response 5676

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	32.77#
236.00	33.60	37.24
0.00	0.00	0.00

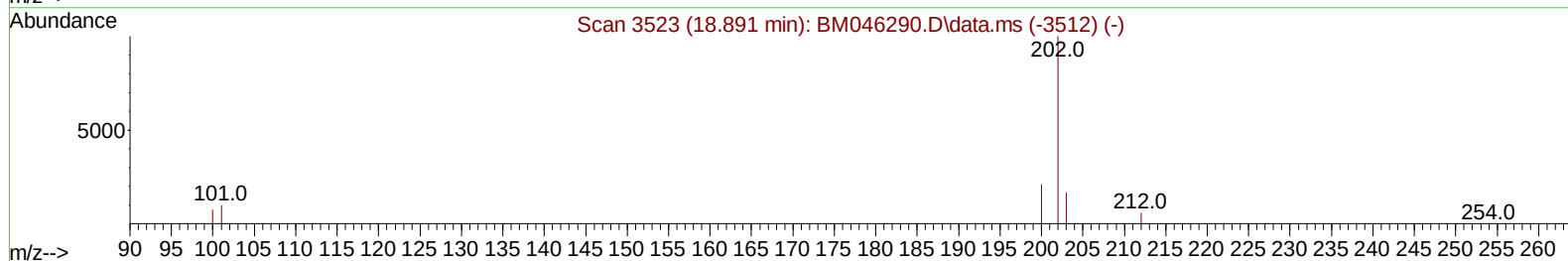
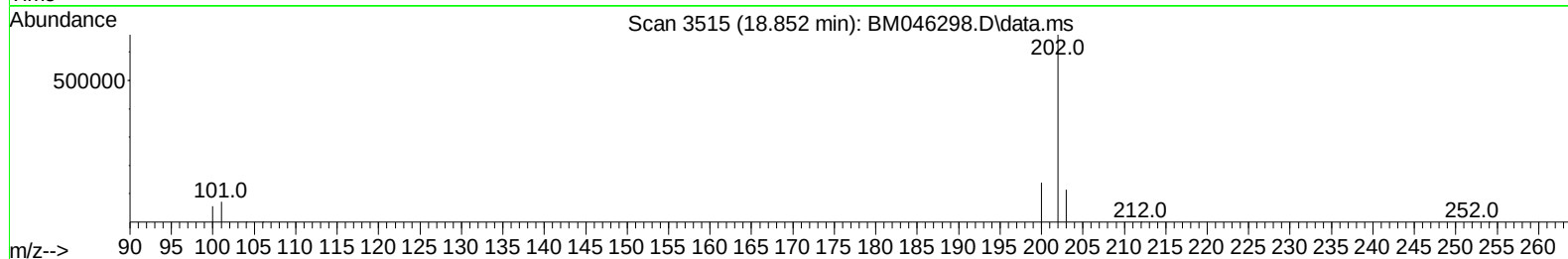
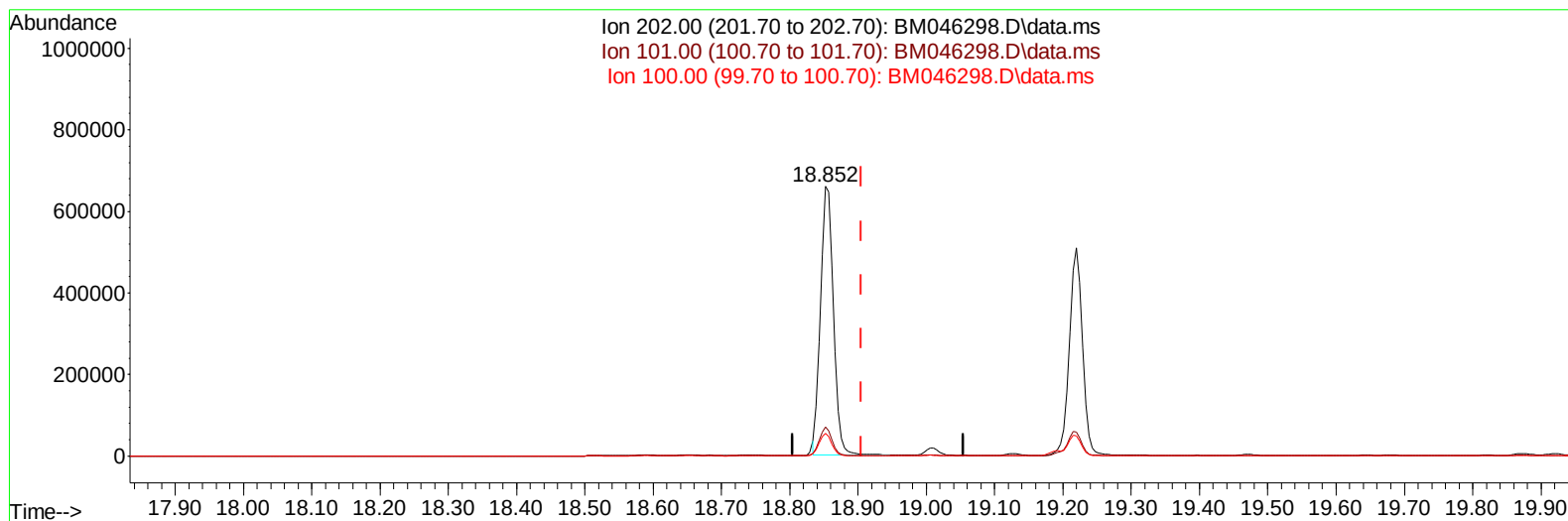
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Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
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Instrument :
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TIC: BM046298.D\data.ms

(19) Fluoranthene (C)

18.852min (-0.052) 35.31 ng/u1

response 867668

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.00	10.72
100.00	9.50	8.48
0.00	0.00	0.00

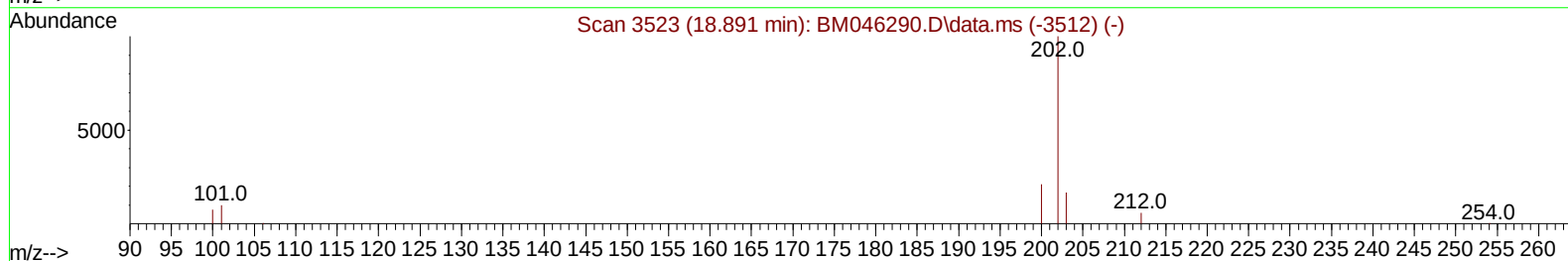
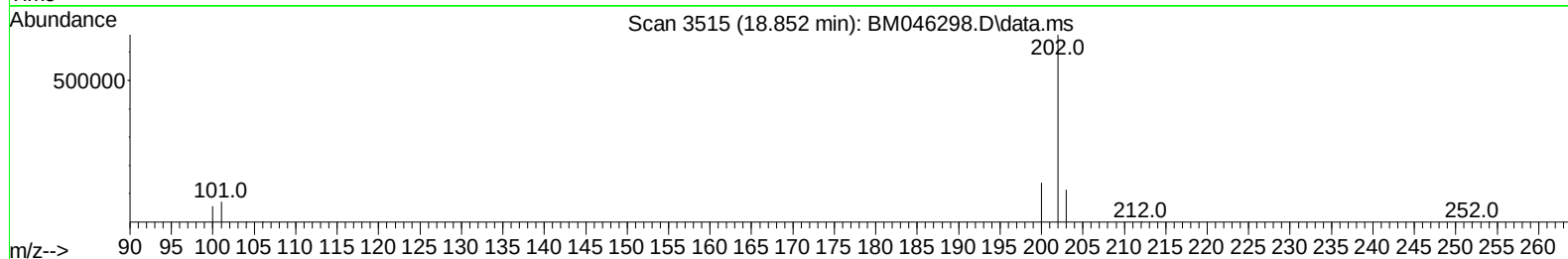
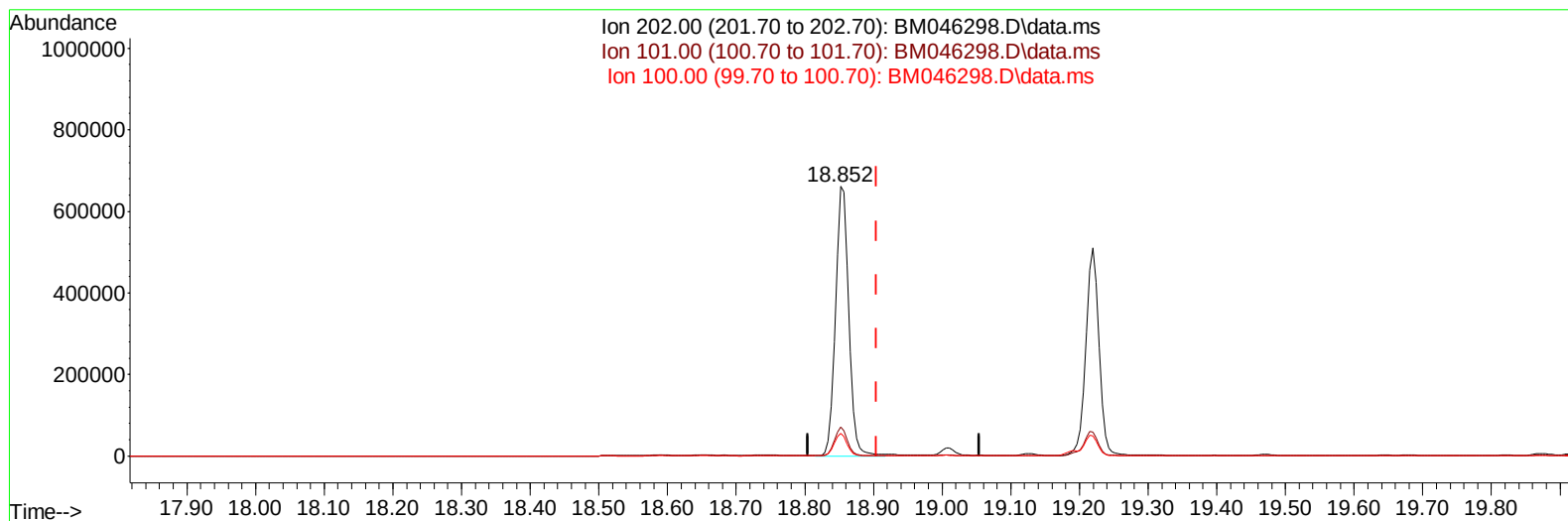
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046298.D\data.ms

(19) Fluoranthene (C)

18.852min (-0.052) 36.19 ng/ul m

response 889498

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.00	10.72
100.00	9.50	8.48
0.00	0.00	0.00

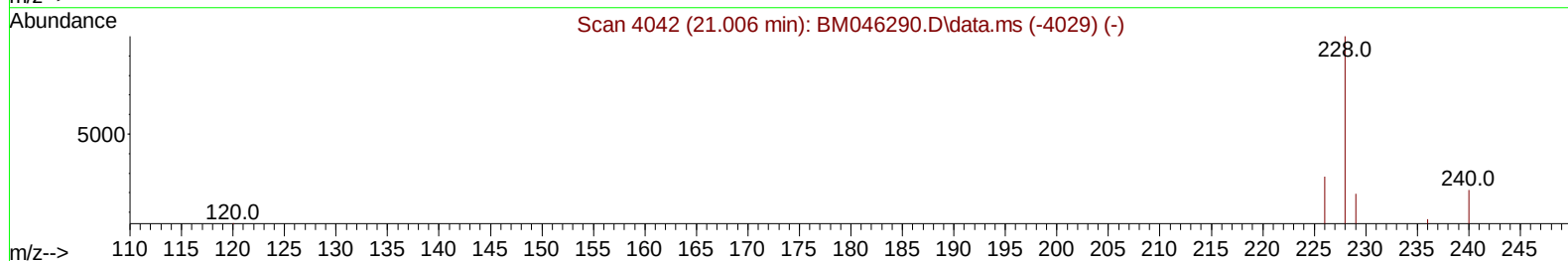
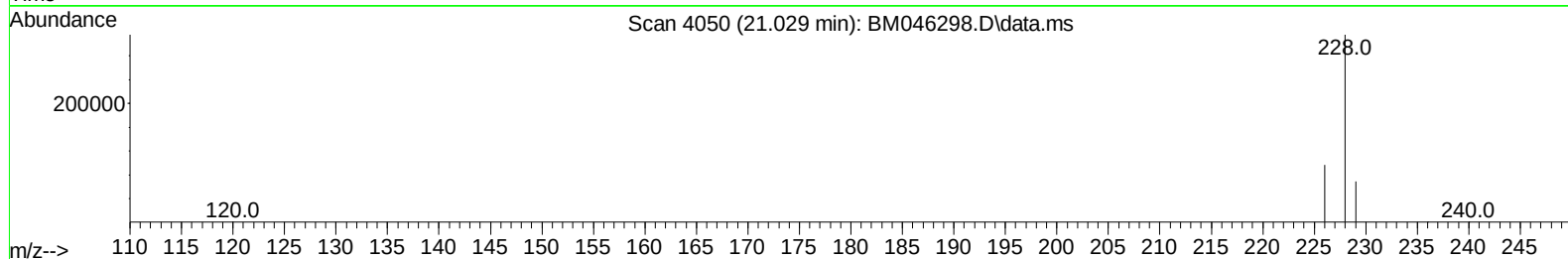
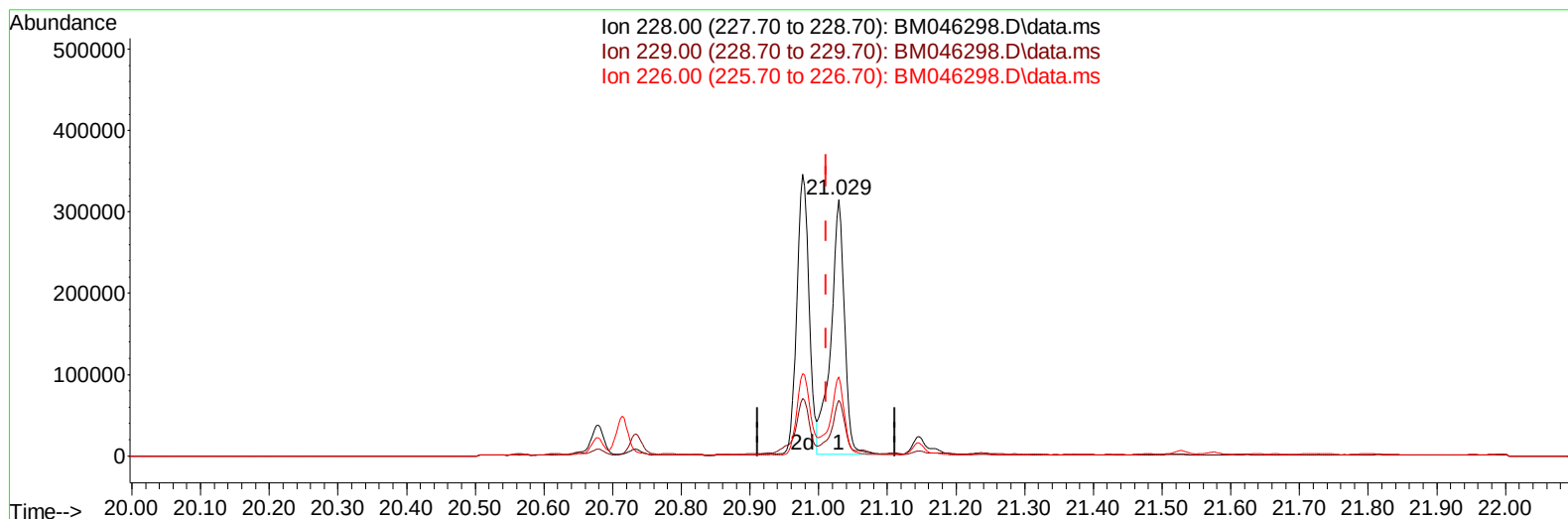
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
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Misc :
ALS Vial : 58 Sample Multiplier: 1

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TIC: BM046298.D\data.ms

(21) Benzo(a)anthracene

21.029min (+ 0.018) 19.68 ng/ul

response 431433

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.79
226.00	29.30	30.83
0.00	0.00	0.00

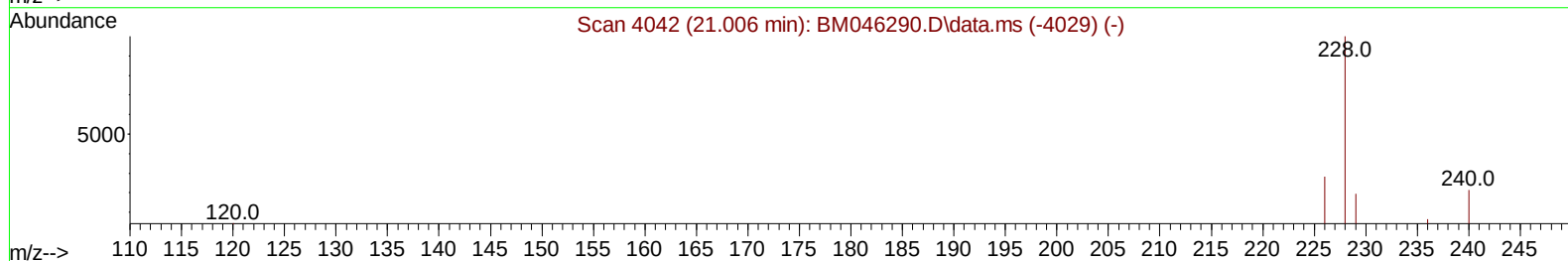
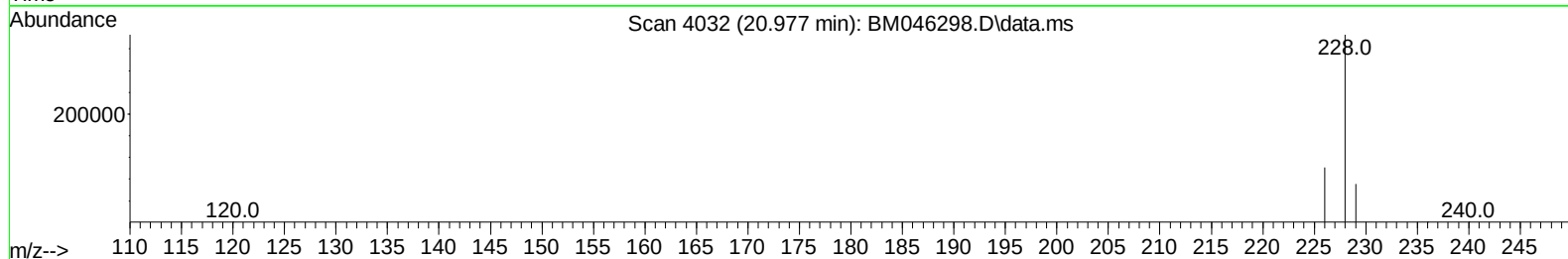
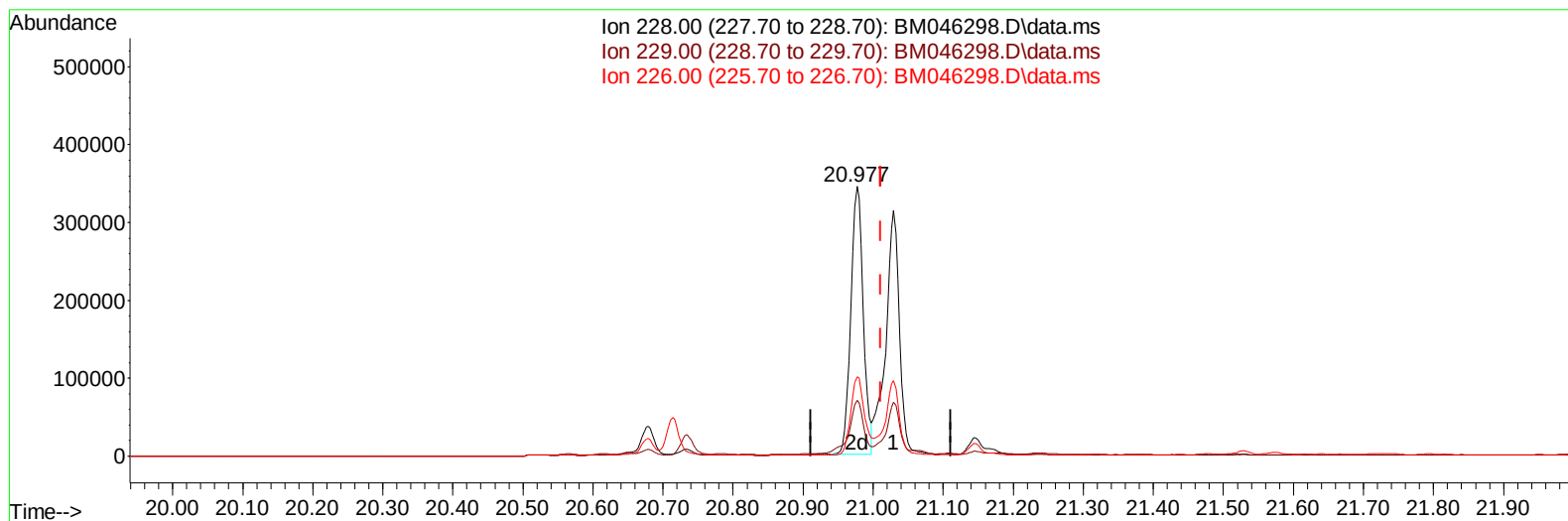
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

(21) Benzo(a)anthracene

20.977min (-0.035) 19.39 ng/ul m

response 425027

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.54
226.00	29.30	29.30
0.00	0.00	0.00

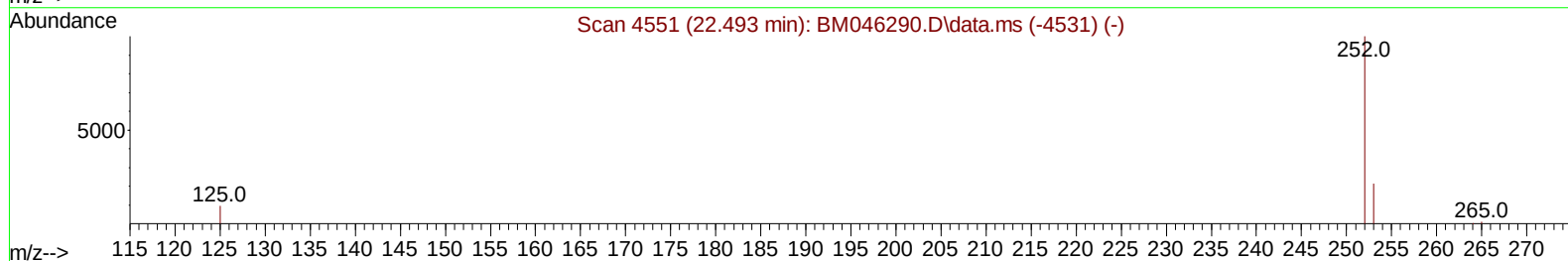
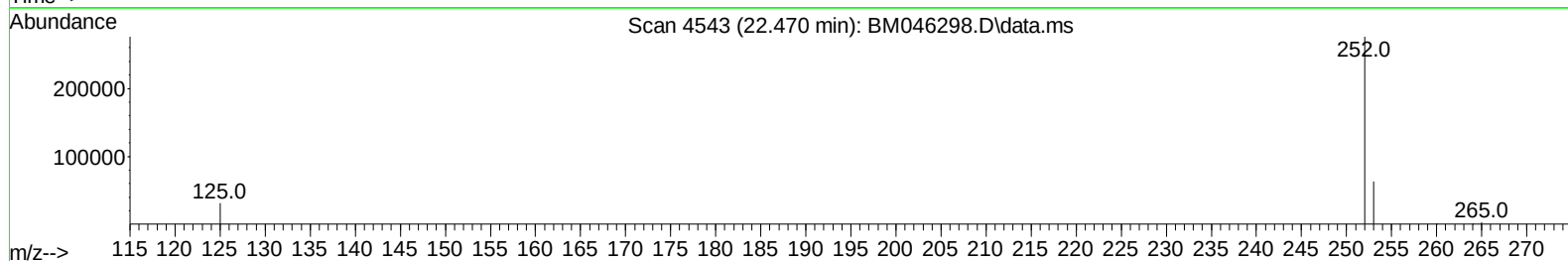
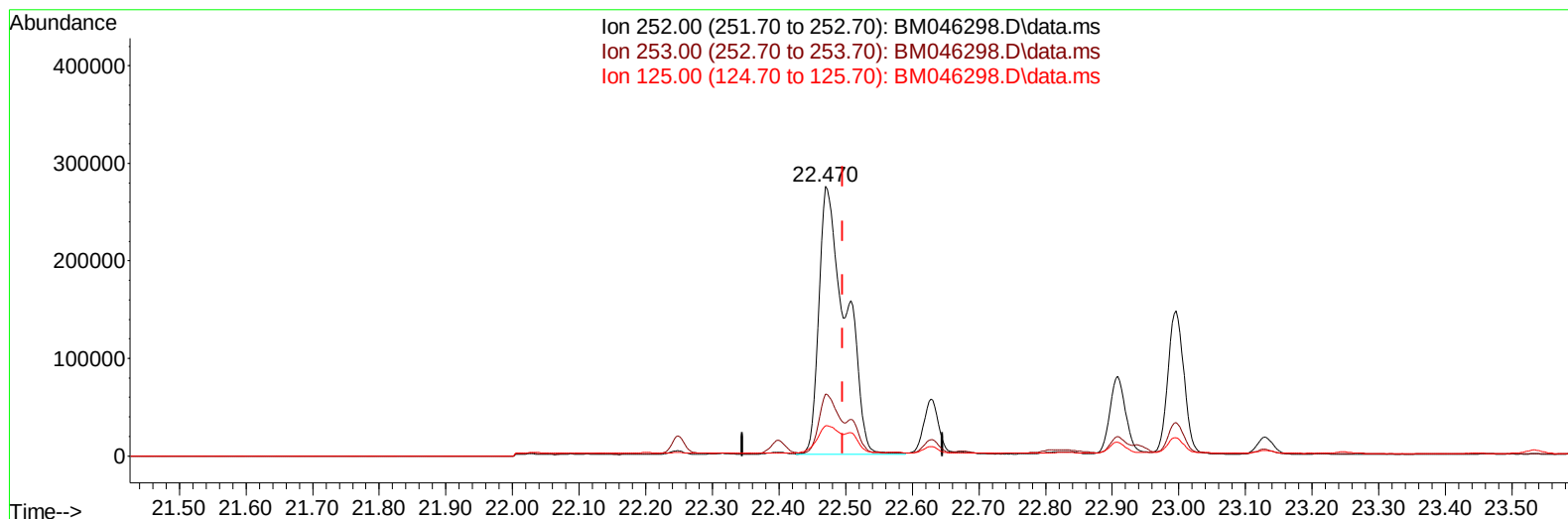
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046298.D\data.ms

(24) Benzo(b)fluoranthene

22.470min (-0.026) 26.29 ng/u1

response 763214

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.96
125.00	20.10	11.27
0.00	0.00	0.00

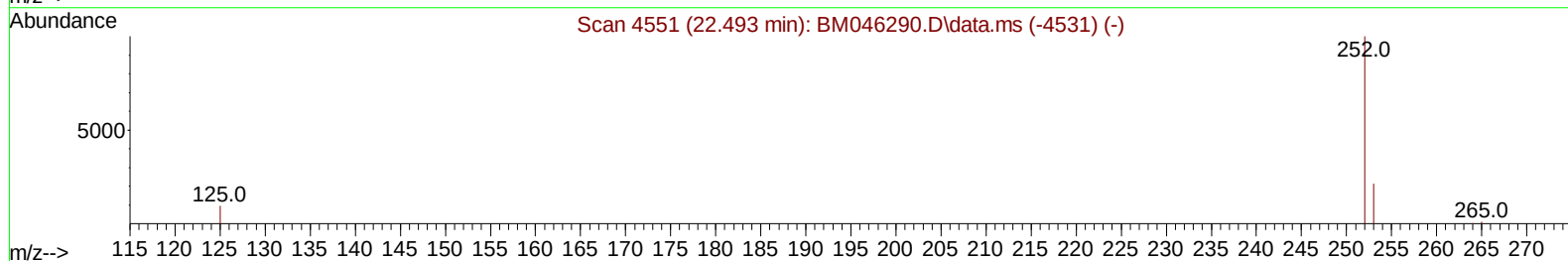
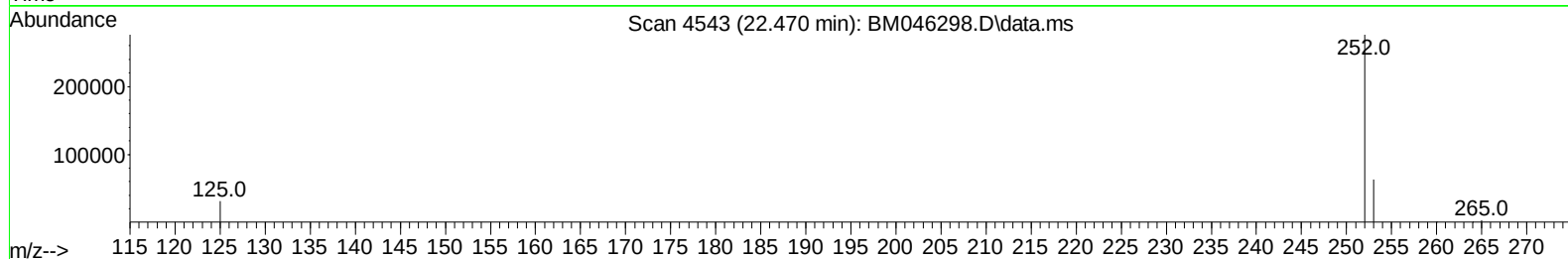
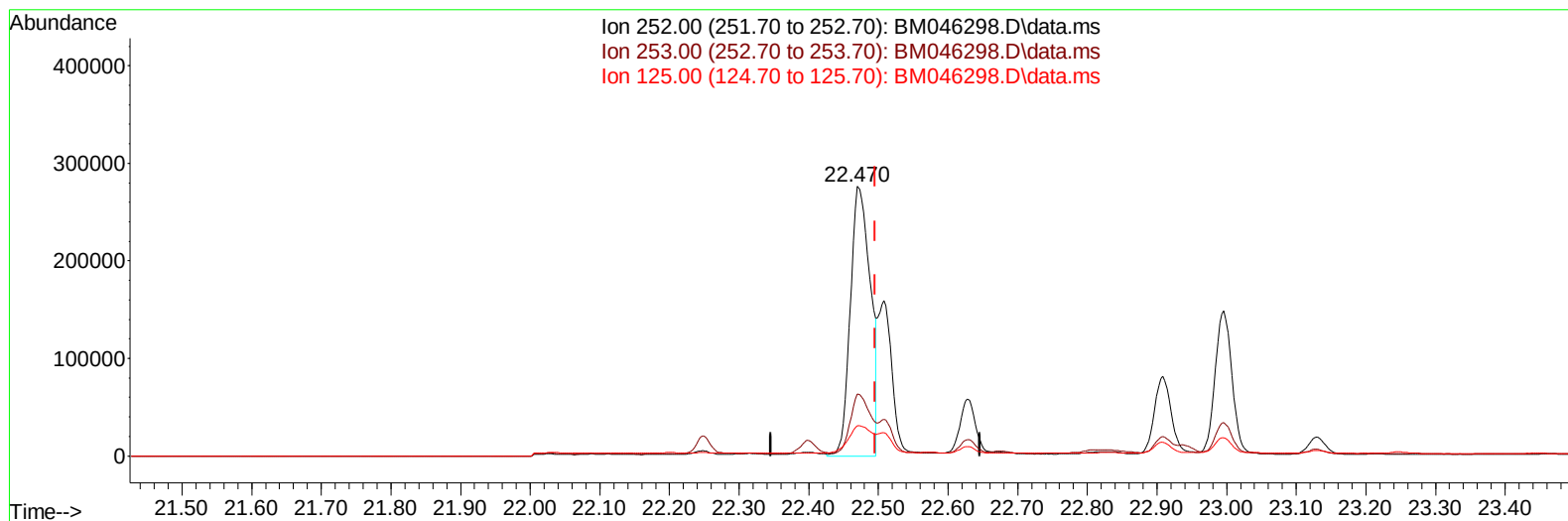
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046298.D
 Acq On : 25 Jun 2024 19:07
 Operator : MA/JU
 Sample : P2844-21
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
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 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

(24) Benzo(b)fluoranthene

22.470min (-0.026) 18.97 ng/ul m

response 550768

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.96
125.00	20.10	11.27
0.00	0.00	0.00

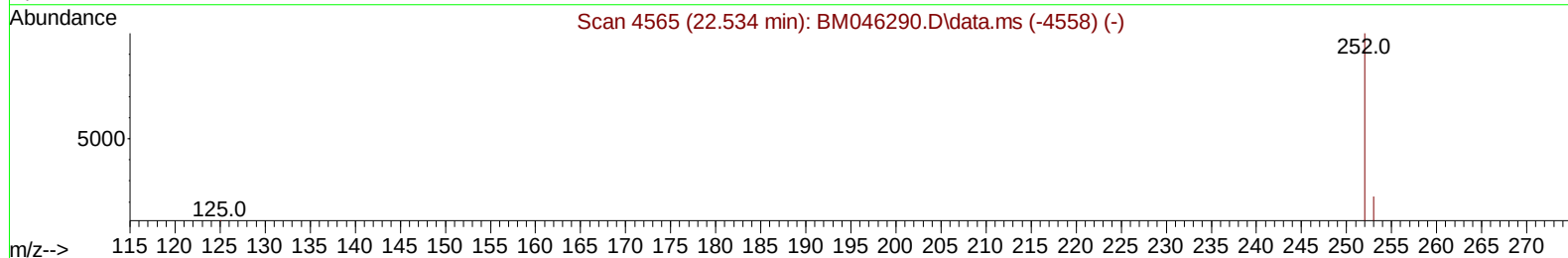
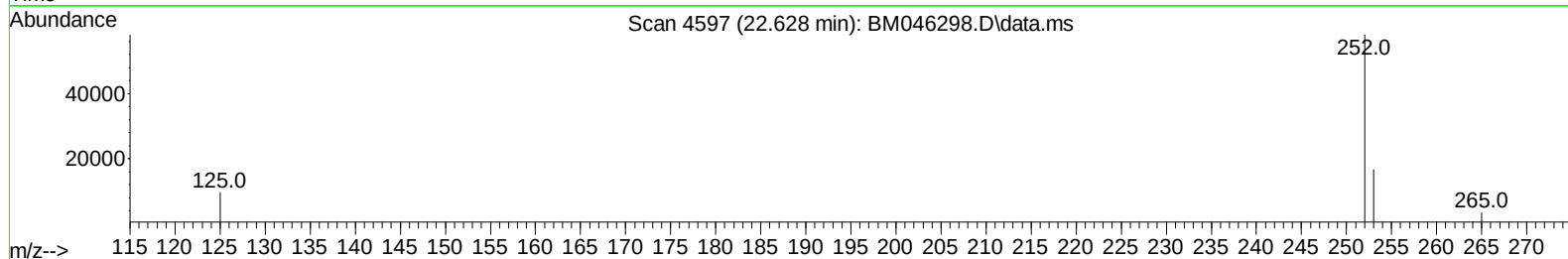
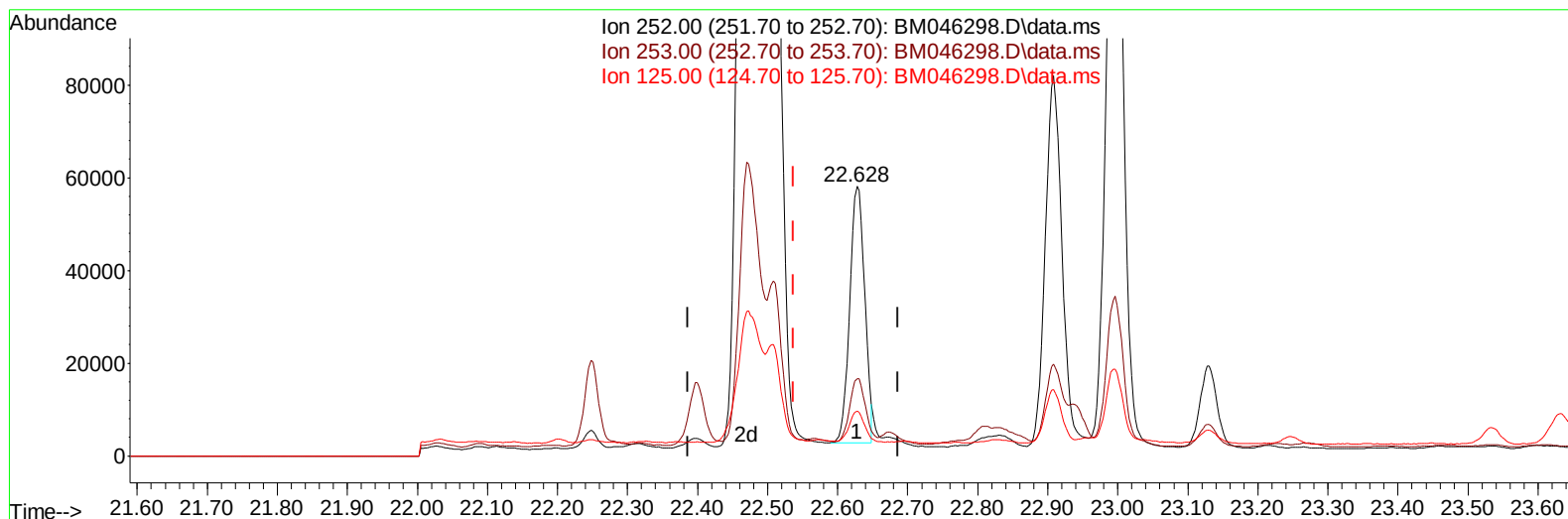
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
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TIC: BM046298.D\data.ms

(25) Benzo(k)fluoranthene

22.628min (+ 0.091) 2.39 ng/u1

response 82306

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.77
125.00	20.80	16.74
0.00	0.00	0.00

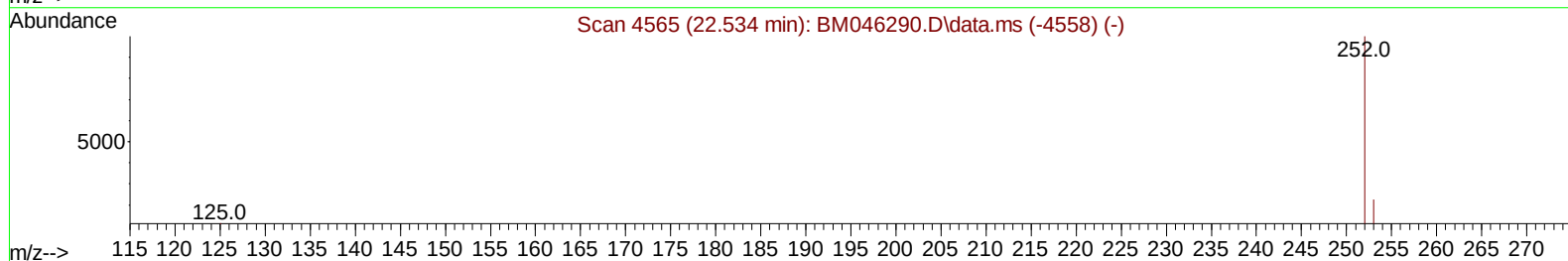
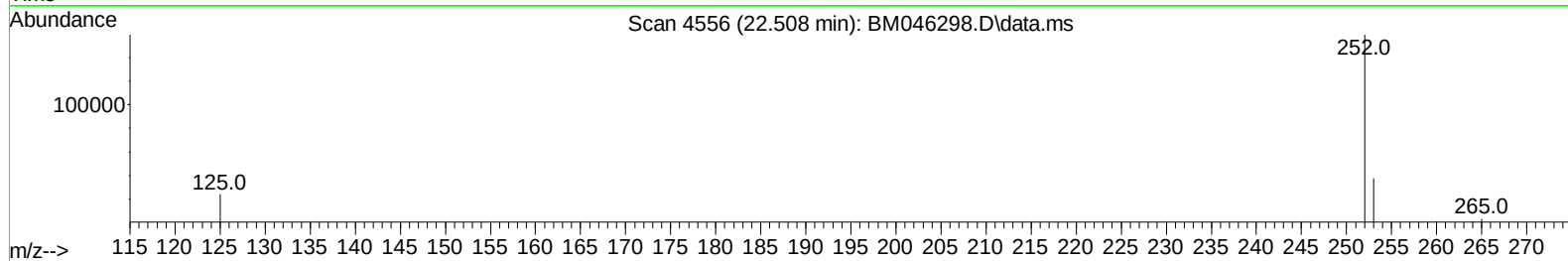
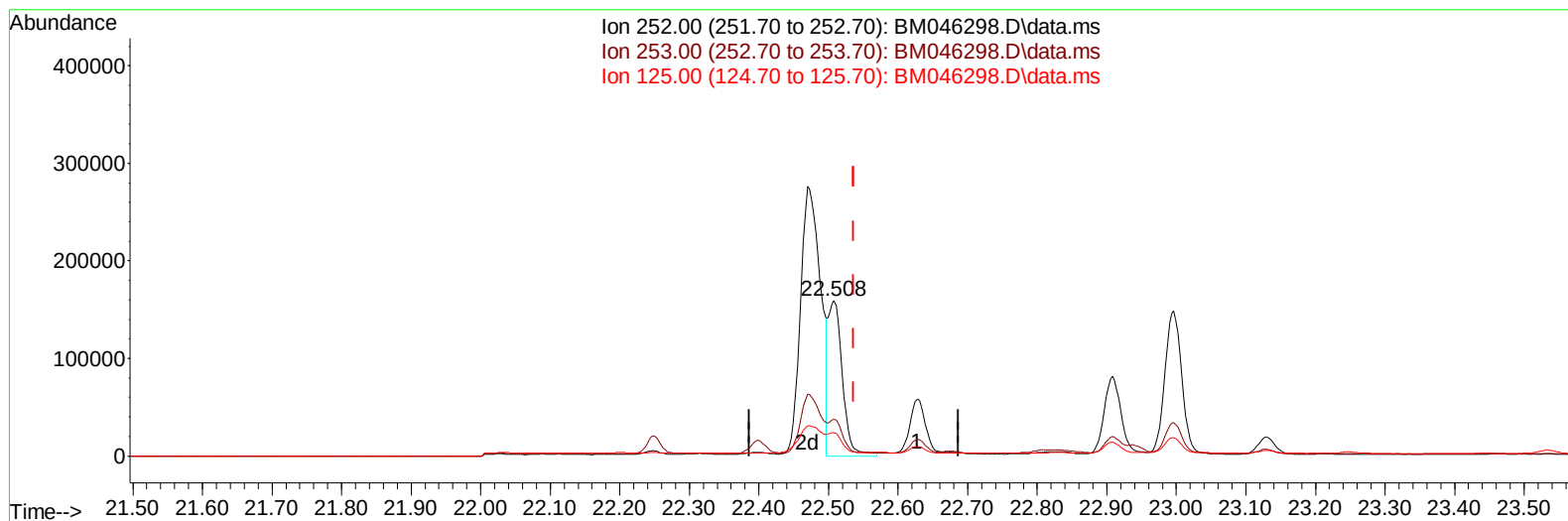
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 23:28:37 2024
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TIC: BM046298.D\data.ms

(25) Benzo(k)fluoranthene

22.508min (-0.029) 6.62 ng/ul m

response 228548

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.72#
125.00	20.80	15.13#
0.00	0.00	0.00

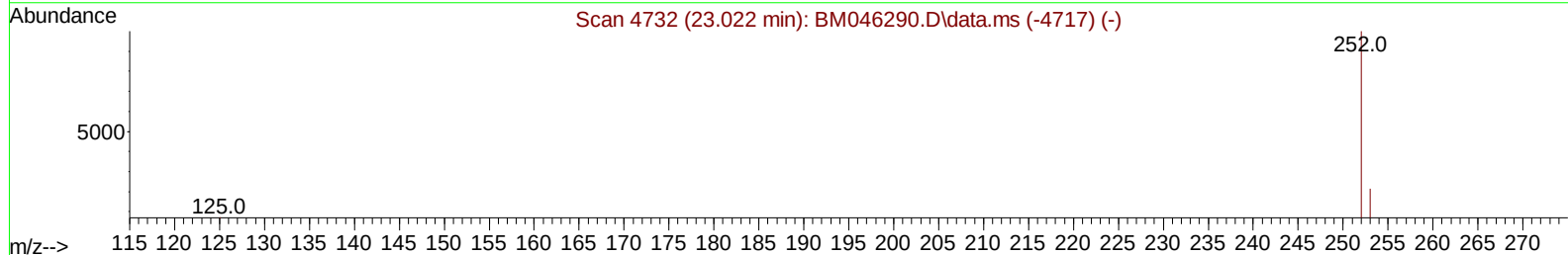
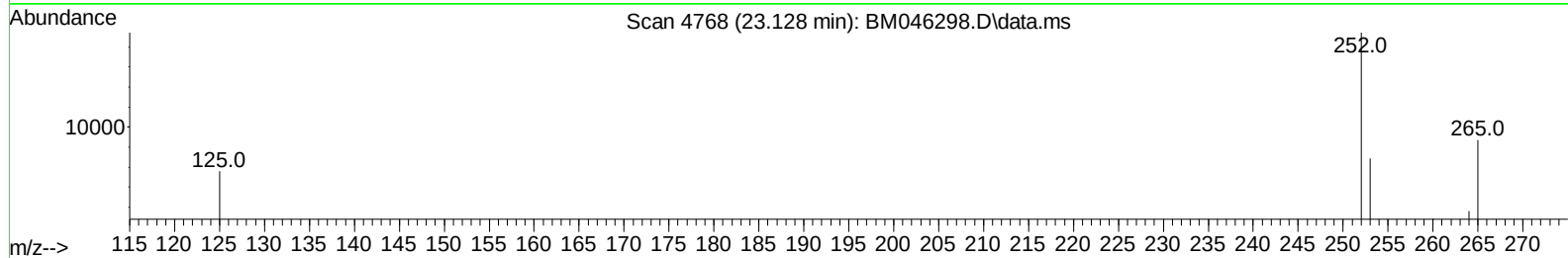
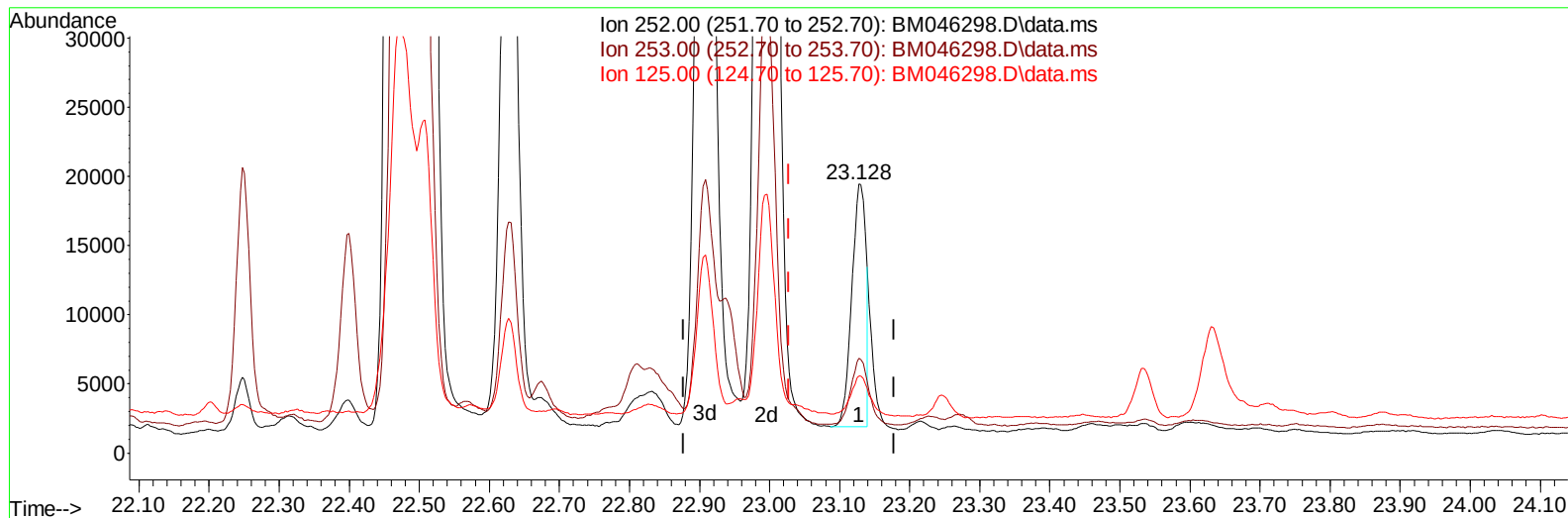
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Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:28:37 2024
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046298.D\data.ms

(26) Benzo(a)pyrene (C)

23.128min (+ 0.100) 0.92 ng/u1

response 24653

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	35.25
125.00	26.50	28.65
0.00	0.00	0.00

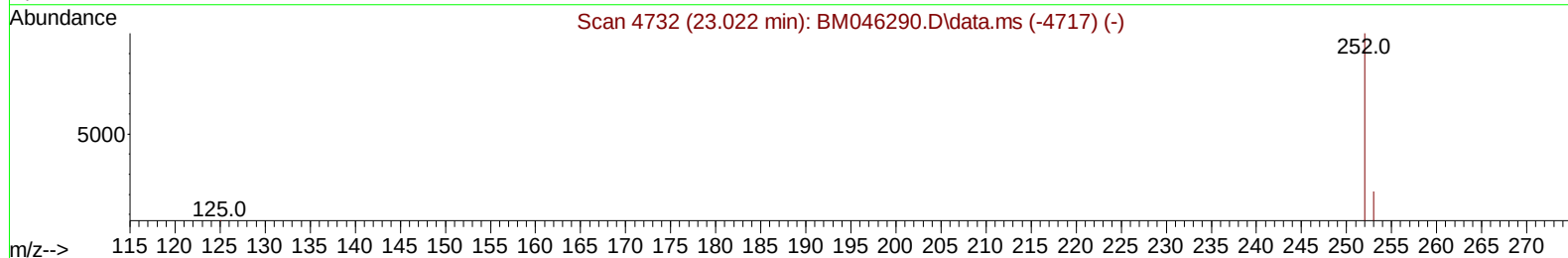
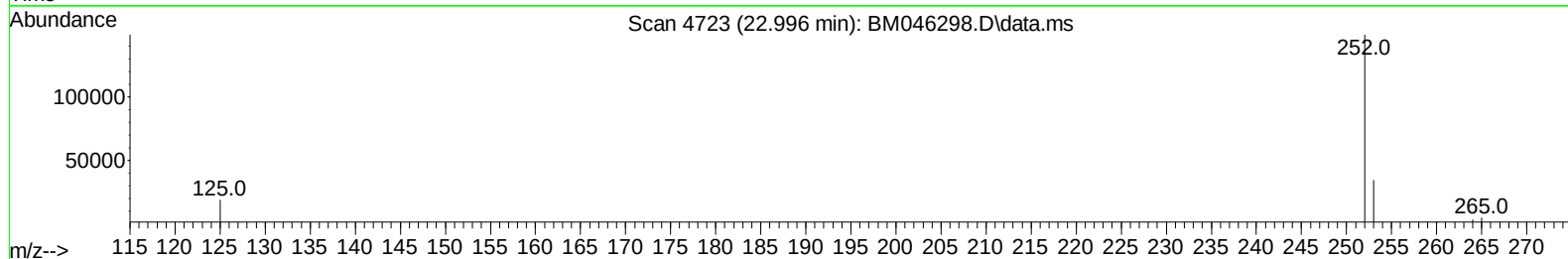
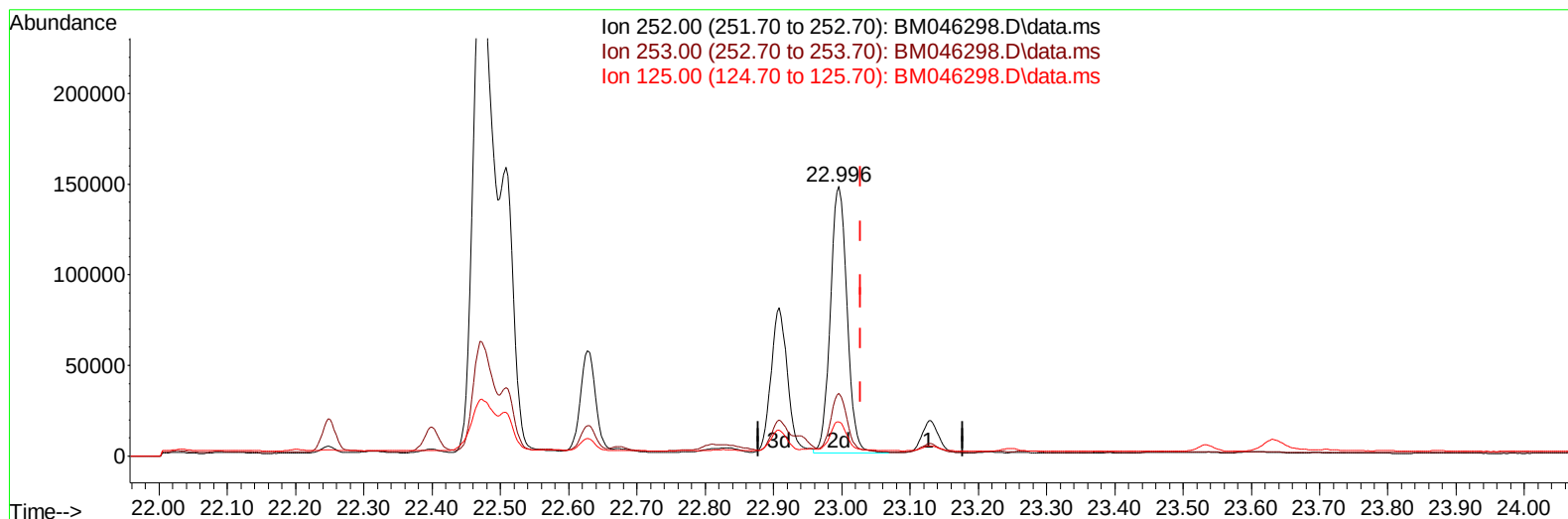
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046298.D
Acq On : 25 Jun 2024 19:07
Operator : MA/JU
Sample : P2844-21
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C46

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TIC: BM046298.D\data.ms

(26) Benzo(a)pyrene (C)

22.996min (-0.032) 9.27 ng/ul m

response 249387

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	23.19#
125.00	26.50	12.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046298.D
 Acq On : 25 Jun 2024 19:07
 Operator : MA/JU
 Sample : P2844-21
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C46

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.392	152	2218m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.160	136	6652	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.043	164	3791	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.790	188	8371m	0.400	ng/ul	-0.06
17) Chrysene-d12	20.994	240	5676m	0.400	ng/ul	-0.03
23) Perylene-d12	23.084	264	8057	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.016	96	11360	3.733	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.755	152	2913	0.326	ng/ul	-0.12
18) Fluoranthene-d10	18.824	212	6539	0.385	ng/ul	-0.05
Target Compounds						
					Qvalue	
5) Naphthalene	10.209	128	38910	2.098	ng/ul#	93
7) 2-Methylnaphthalene	11.832	142	10877	1.042	ng/ul	97
8) 1-Methylnaphthalene	12.052	142	7616	0.665	ng/ul	99
10) Acenaphthylene	13.761	152	44251	2.461	ng/ul	96
11) Acenaphthene	14.103	153	17099	1.317	ng/ul	99
12) Fluorene	15.098	166	22232	1.596	ng/ul	100
14) Pentachlorophenol	16.477	266	157	0.063	ng/ul	89
15) Phenanthrene	16.828	178	450098m	19.138	ng/ul	
16) Anthracene	16.920	178	99413m	5.676	ng/ul	
19) Fluoranthene	18.852	202	889498m	36.194	ng/ul	
20) Pyrene	19.219	202	673896	25.355	ng/ul#	94
21) Benzo(a)anthracene	20.977	228	425027m	19.386	ng/ul	
22) Chrysene	21.029	228	431433	15.420	ng/ul	98
24) Benzo(b)fluoranthene	22.470	252	550768m	18.974	ng/ul	
25) Benzo(k)fluoranthene	22.508	252	228548m	6.623	ng/ul	
26) Benzo(a)pyrene	22.996	252	249387m	9.272	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.125	276	223478	5.076	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.125	278	71280	2.175	ng/ul	95
29) Benzo(g,h,i)perylene	25.749	276	35008	0.927	ng/ul	96

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

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