

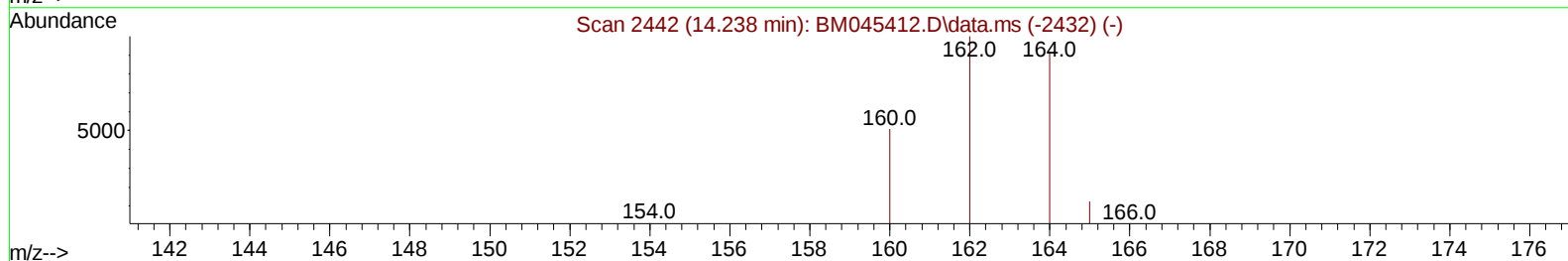
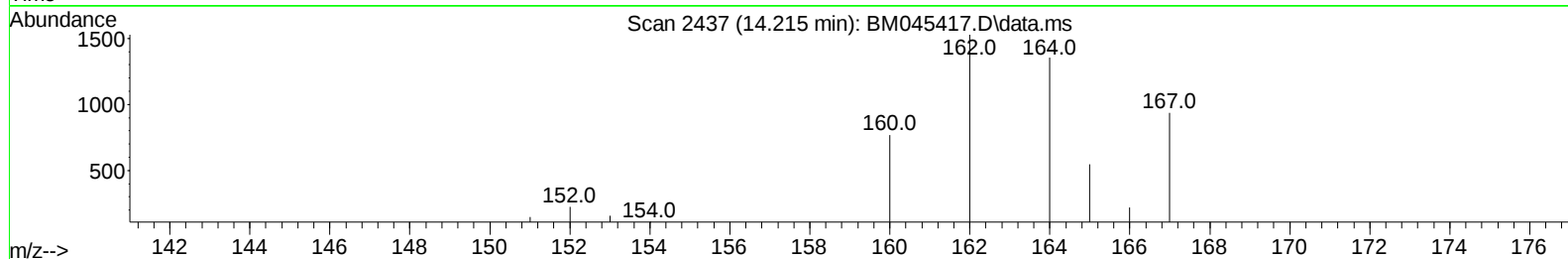
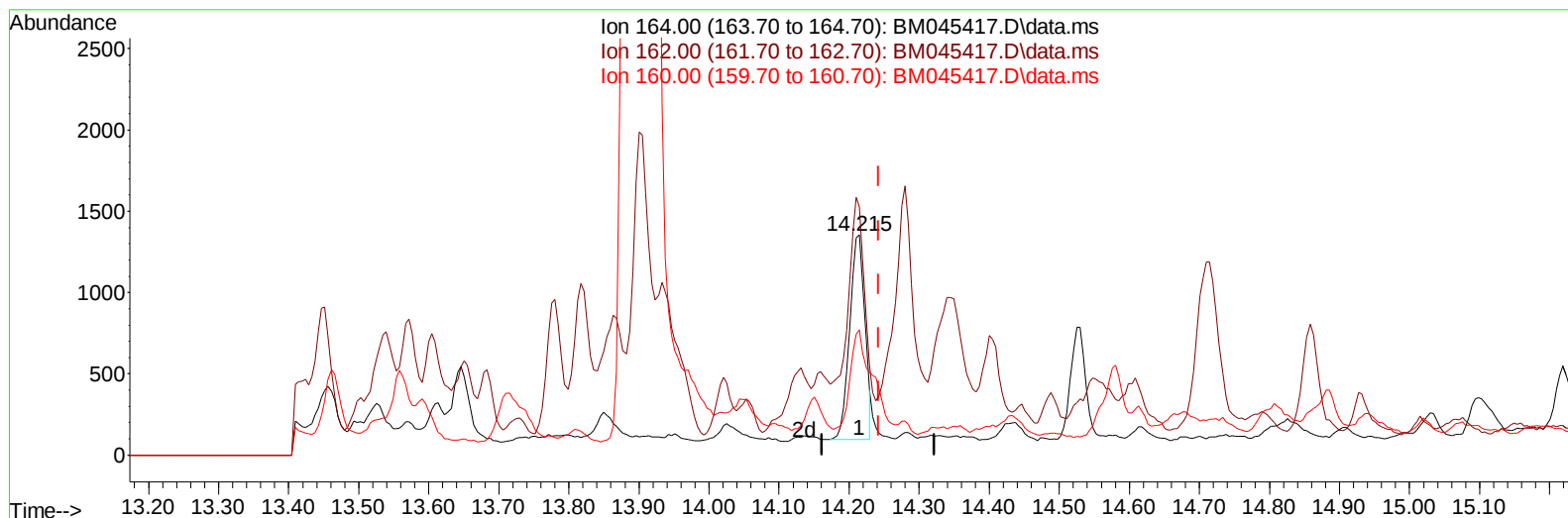
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(9) Acenaphthene-d10 (I)

14.215min (-0.027) 0.40 ng/u1

response 1890

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.00	112.77
160.00	50.00	56.75
0.00	0.00	0.00

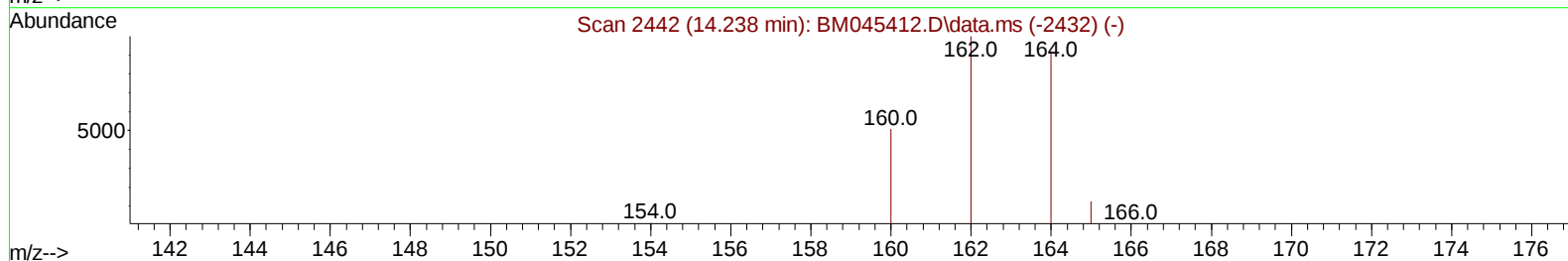
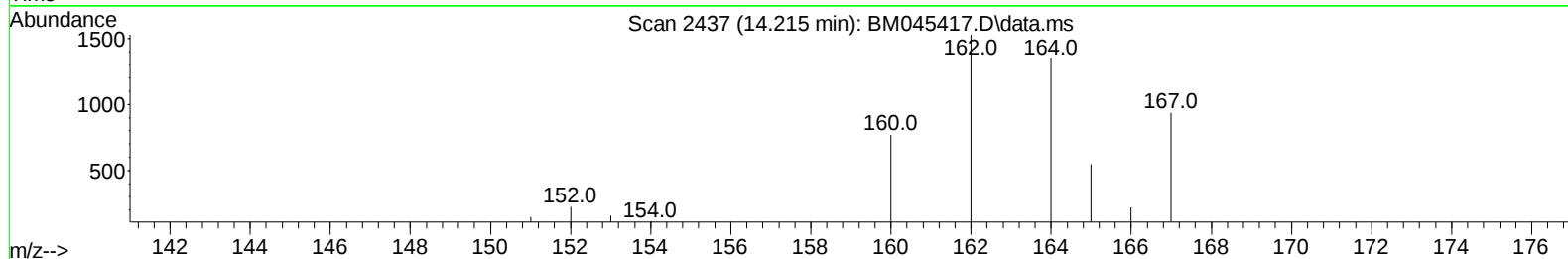
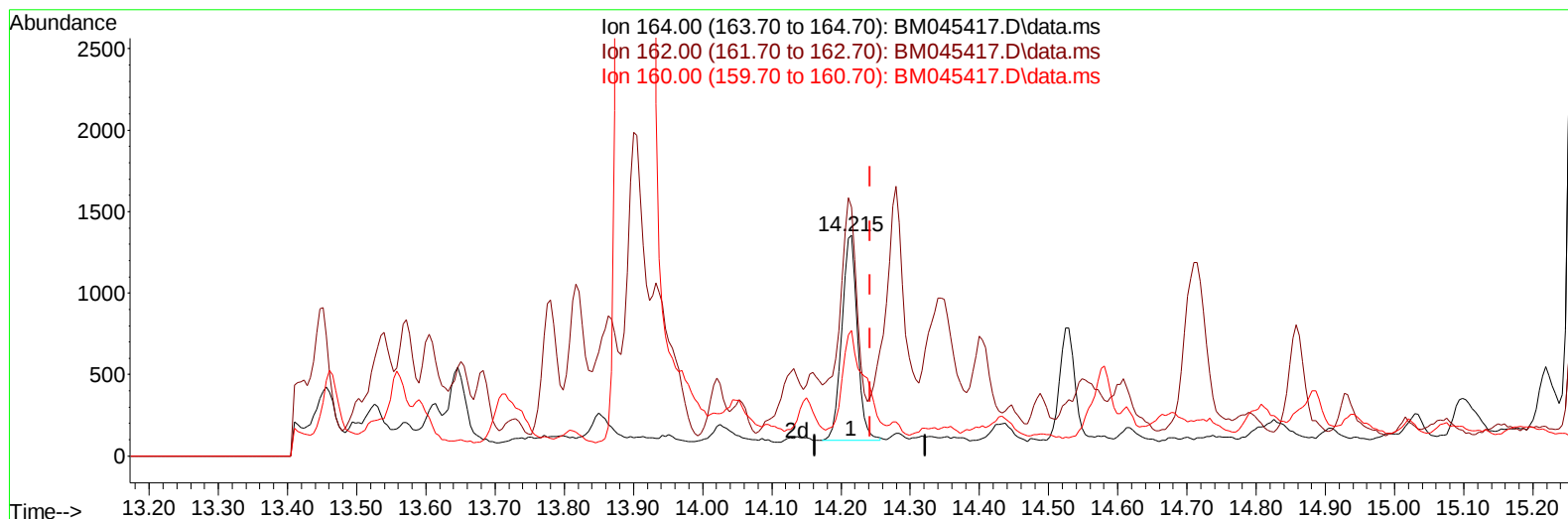
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
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QLast Update : Thu Apr 18 22:19:59 2024
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Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(9) Acenaphthene-d10 (I)

14.215min (-0.027) 0.40 ng/u1 m

response 1984

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.00	112.77
160.00	50.00	56.75
0.00	0.00	0.00

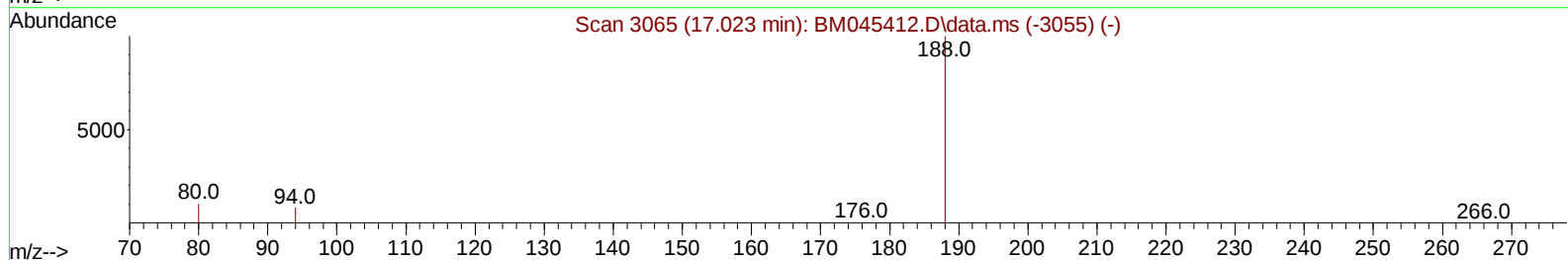
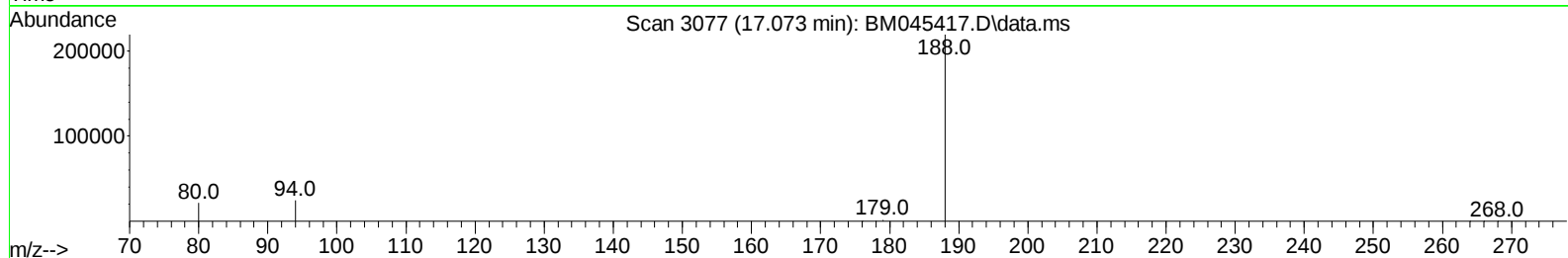
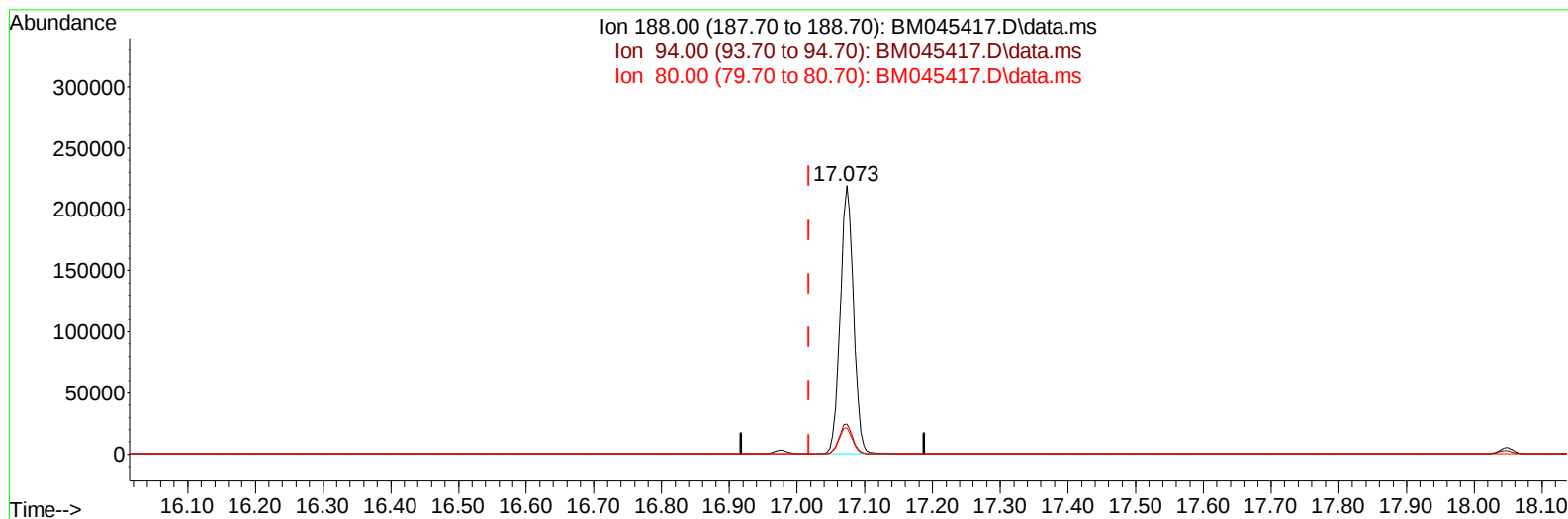
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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QLast Update : Thu Apr 18 22:19:59 2024
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Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(13) Phenanthrene-d10 (I)

17.073min (+ 0.056) 0.40 ng/u1

response 299496

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.22
80.00	11.80	9.84
0.00	0.00	0.00

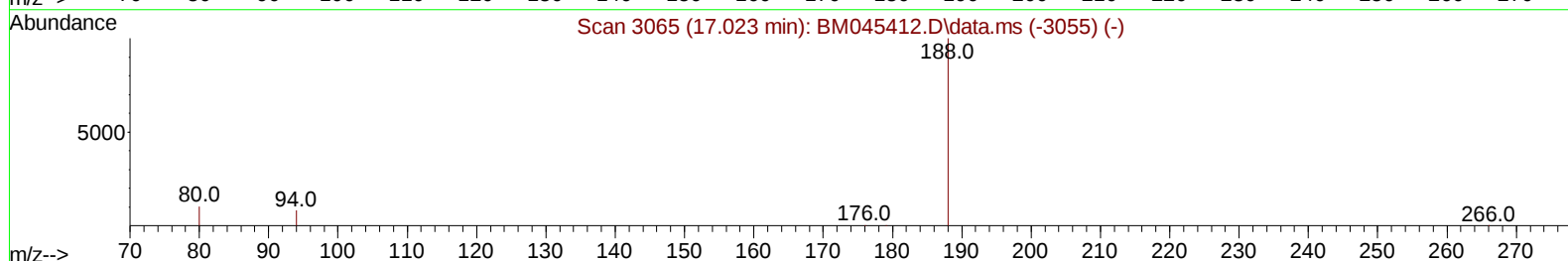
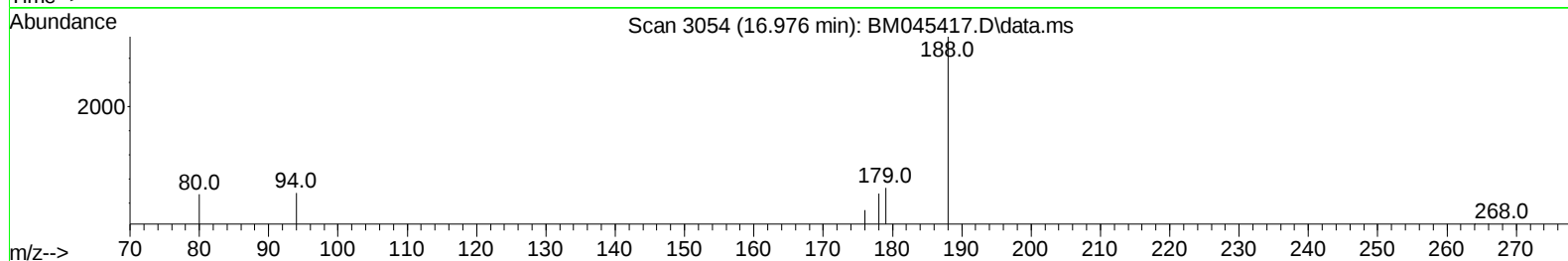
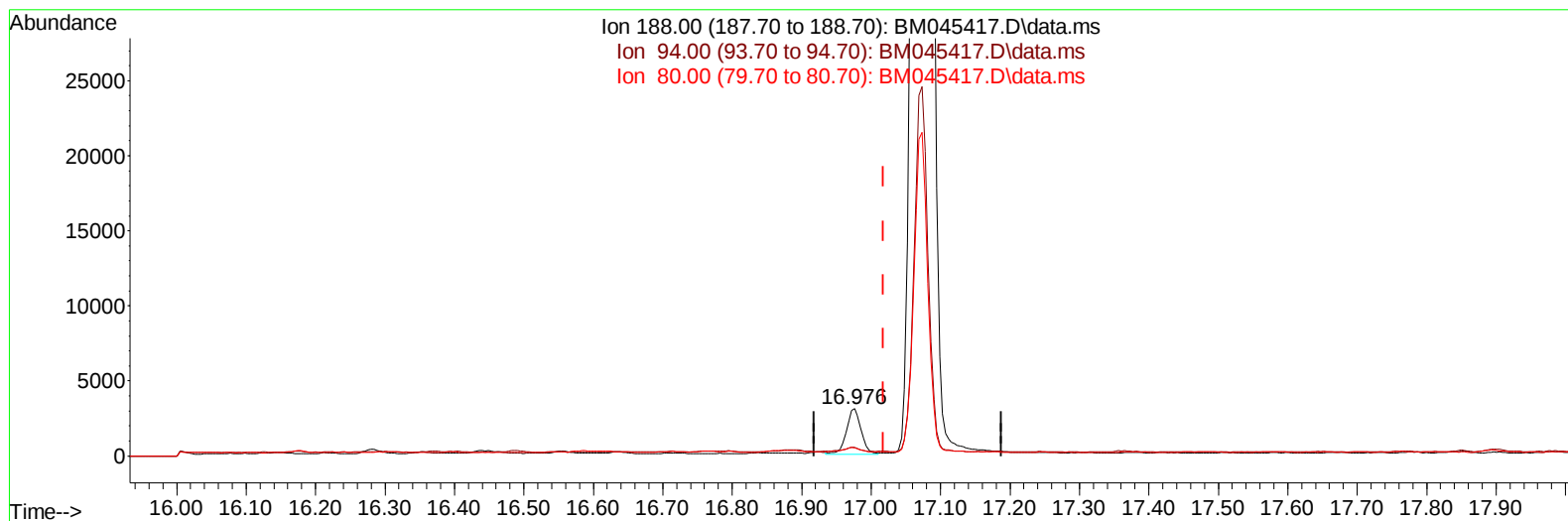
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(13) Phenanthrene-d10 (I)

16.976min (-0.042) 0.40 ng/ul m

response 4441

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	18.02#
80.00	11.80	17.51#
0.00	0.00	0.00

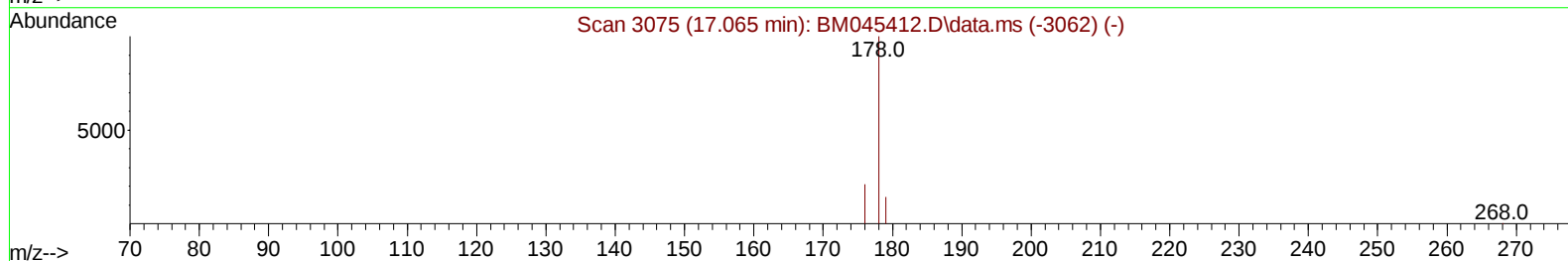
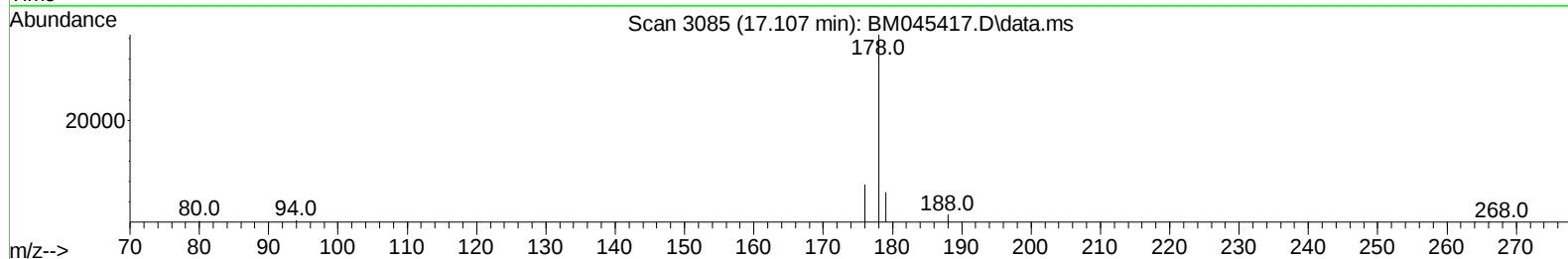
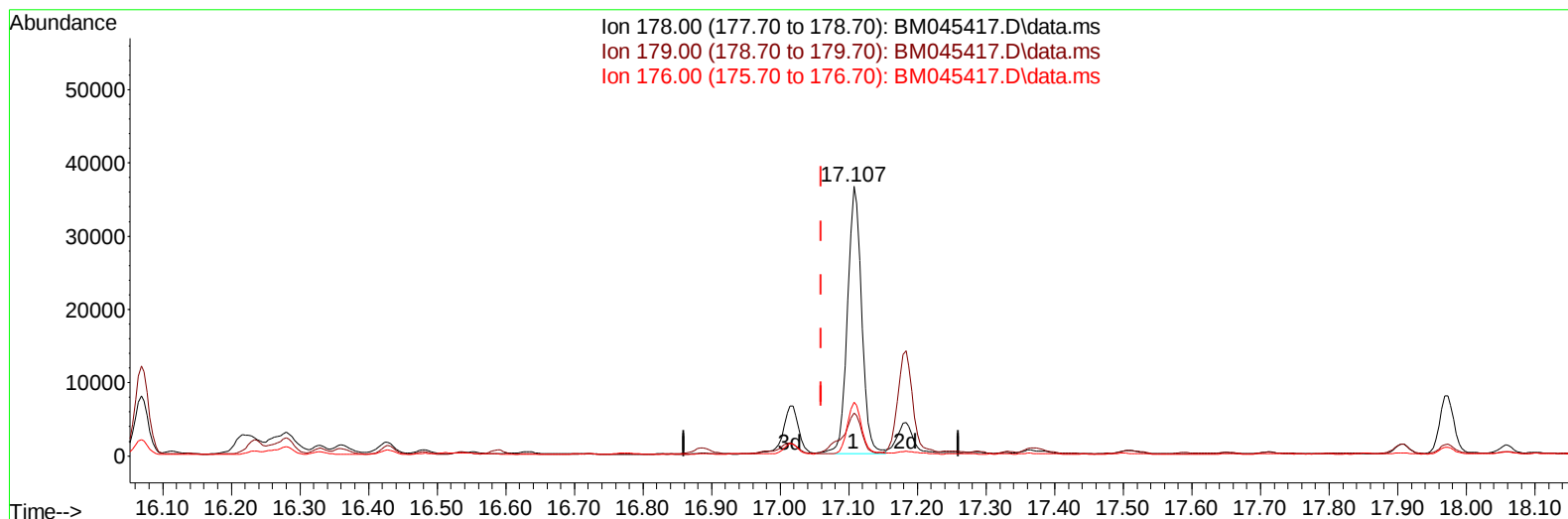
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045417.D
 Acq On : 20 Apr 2024 07:03
 Operator : MA/JU
 Sample : P2079-01
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 22:19:59 2024
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Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(15) Phenanthrene

17.107min (+ 0.047) 4.19 ng/u1

response 52357

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	16.01
176.00	21.20	19.98
0.00	0.00	0.00

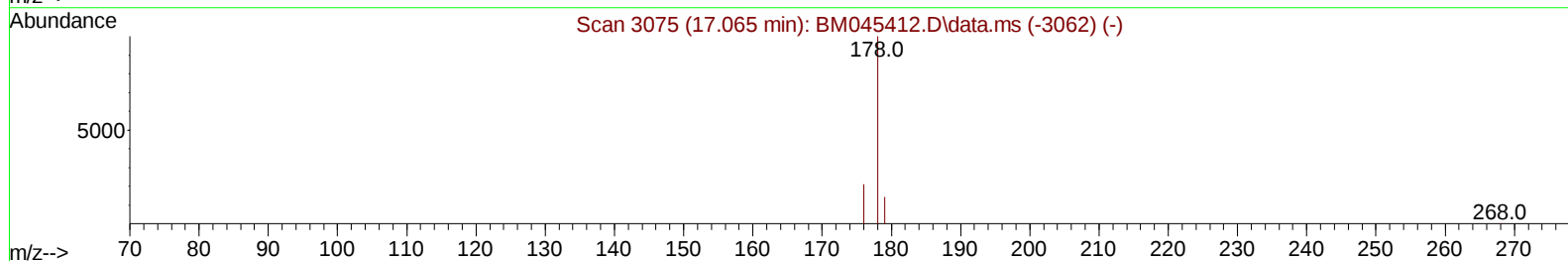
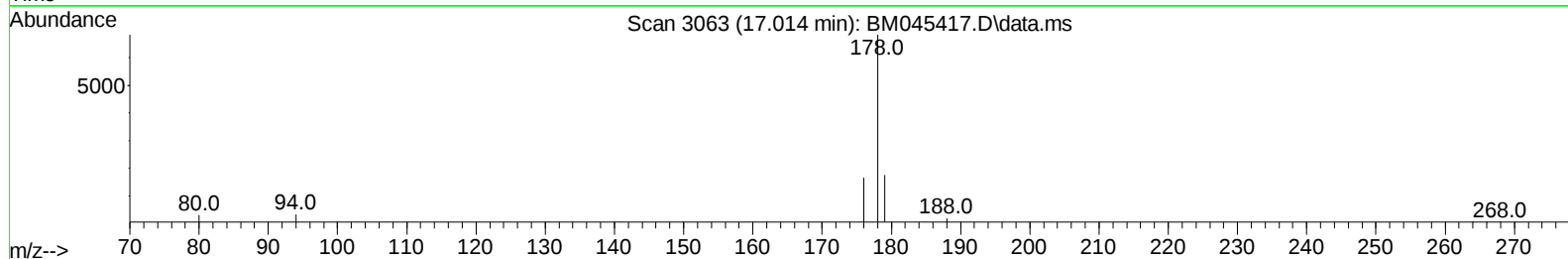
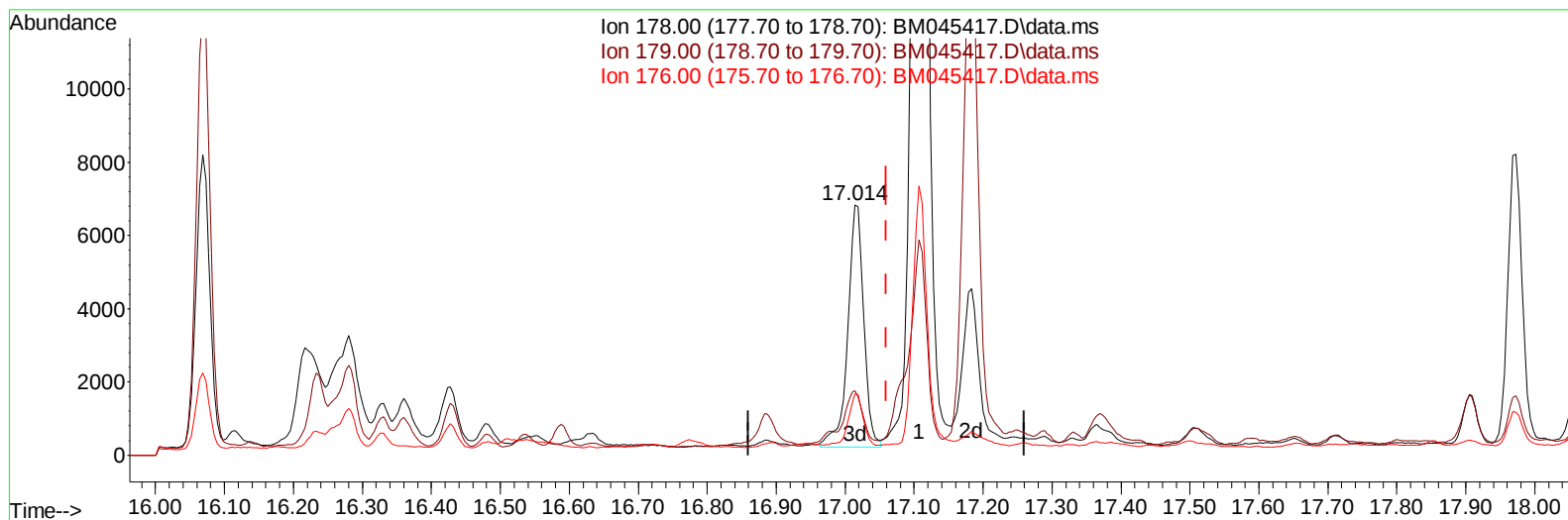
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
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Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(15) Phenanthrene

17.014min (-0.046) 0.86 ng/u1 m

response 10706

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	25.67#
176.00	21.20	24.38
0.00	0.00	0.00

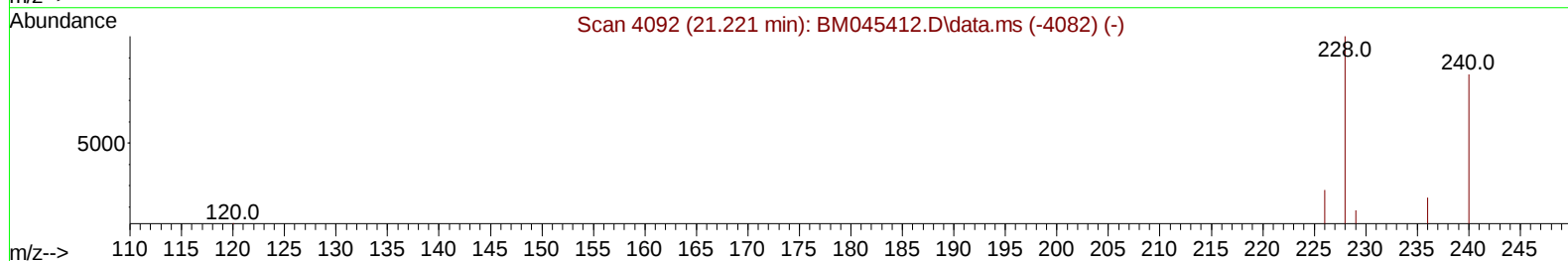
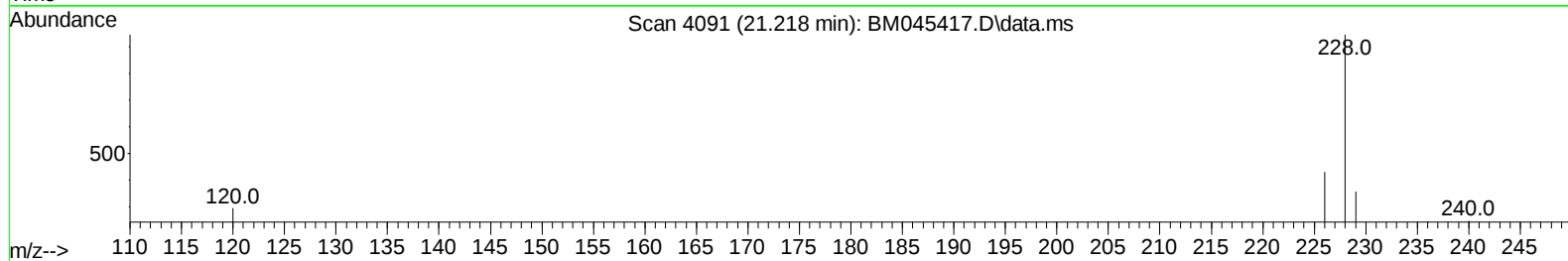
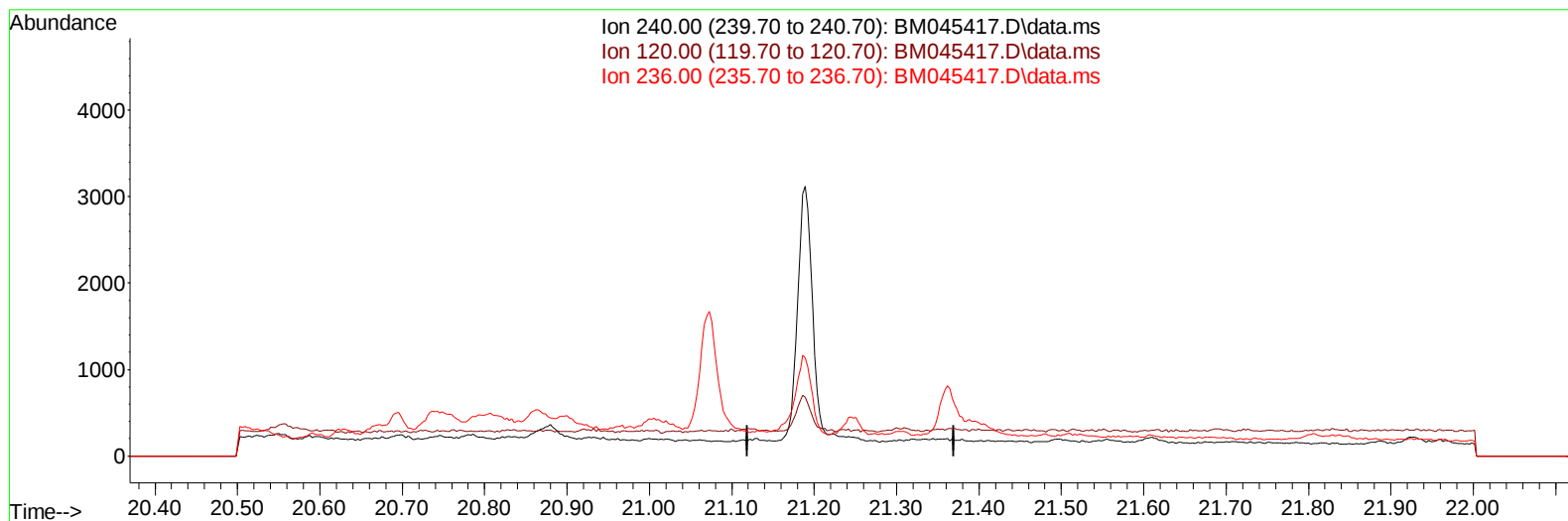
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

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TIC: BM045417.D\data.ms

(17) Chrysene-d12

21.220min (-21.220) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	31.10	0.00#
0.00	0.00	0.00

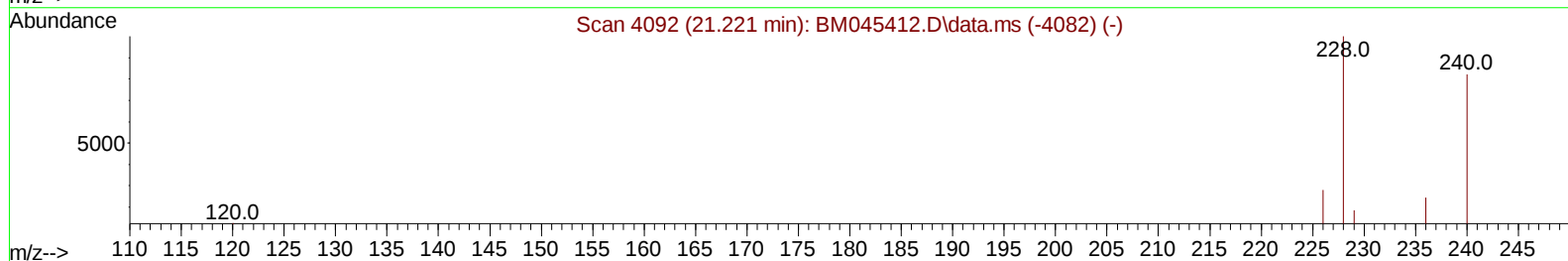
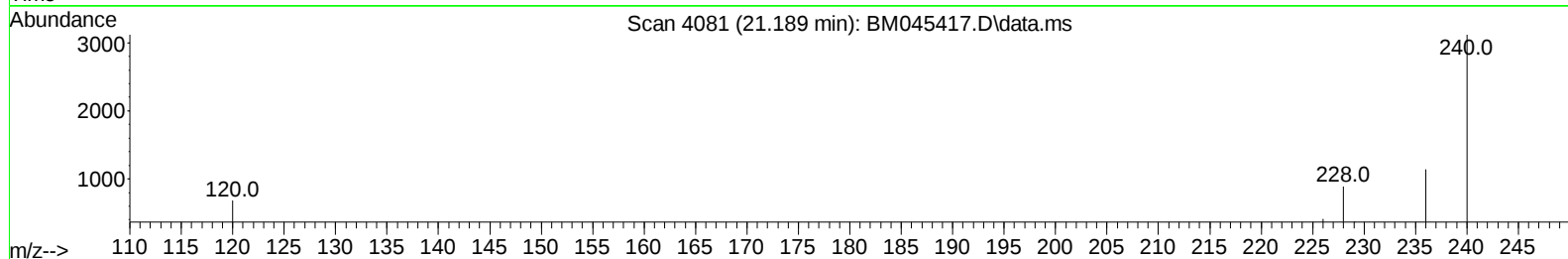
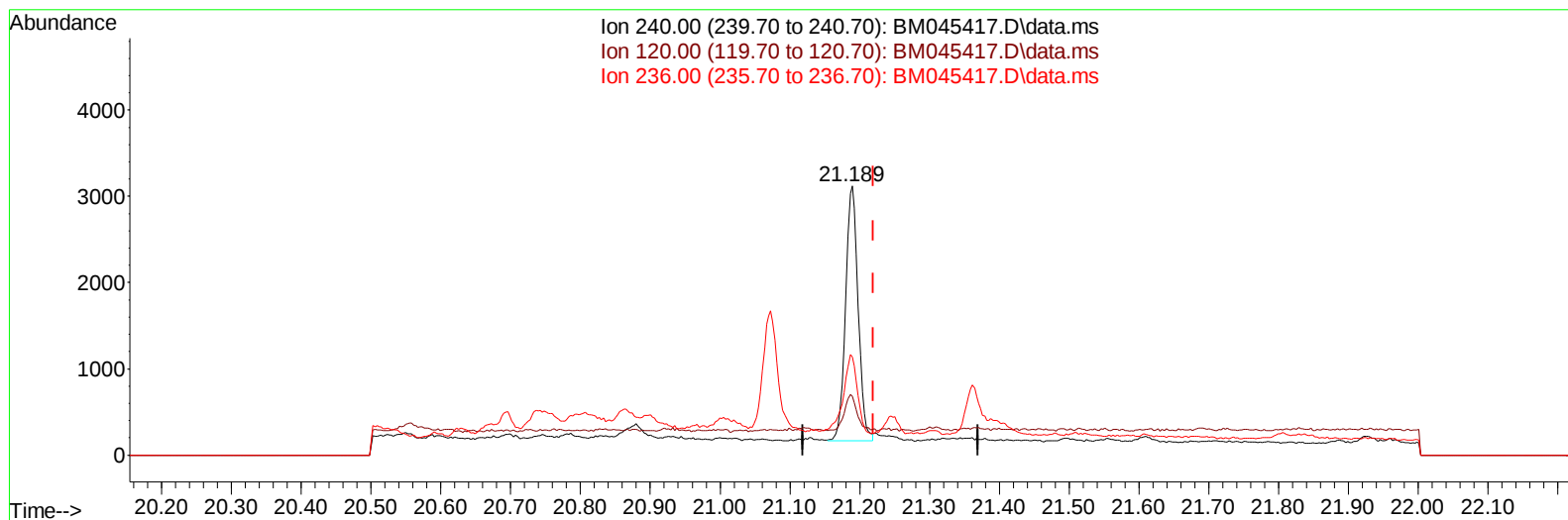
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(17) Chrysene-d12

21.189min (-0.030) 0.40 ng/ul m

response 3679

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	21.84#
236.00	31.10	36.53
0.00	0.00	0.00

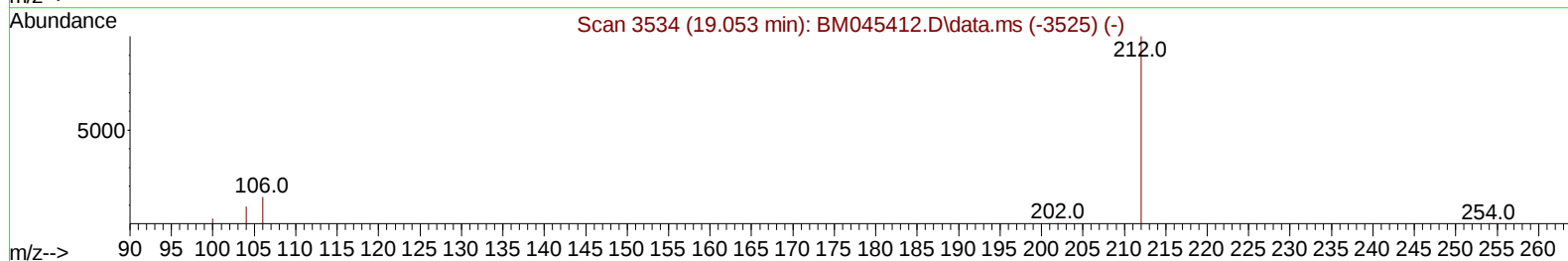
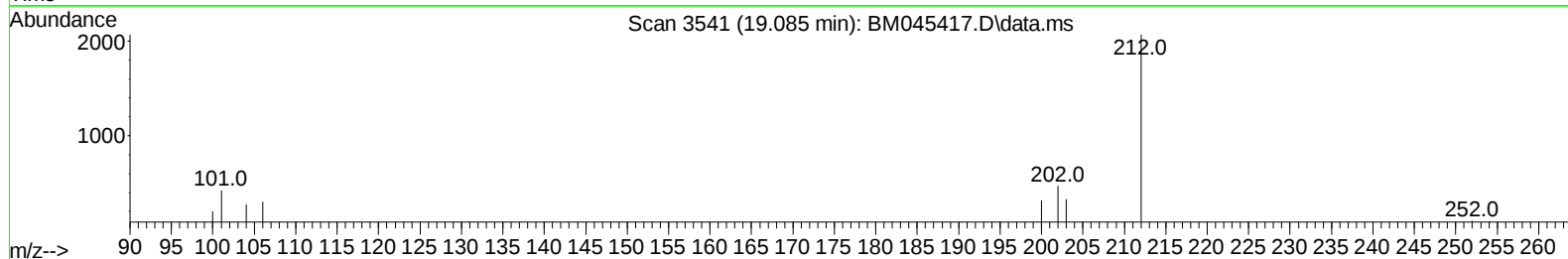
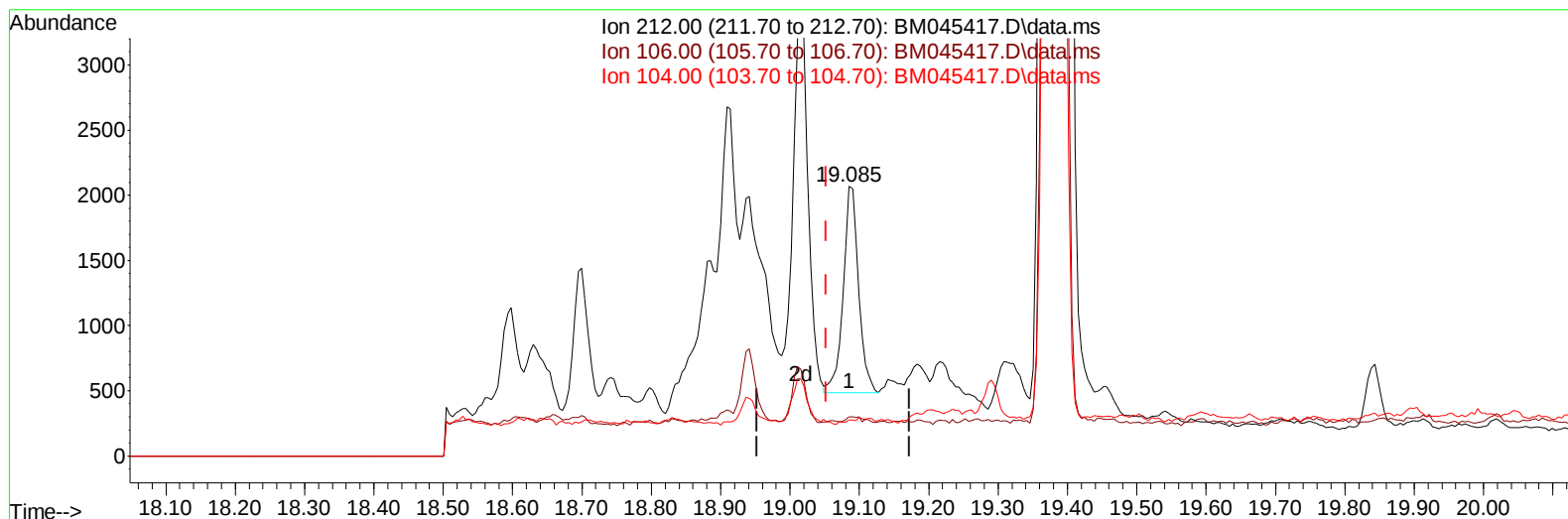
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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TIC: BM045417.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.085min (+ 0.033) 0.26 ng/u1

response 2394

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	13.90	3.22#
104.00	8.60	5.18#
0.00	0.00	0.00

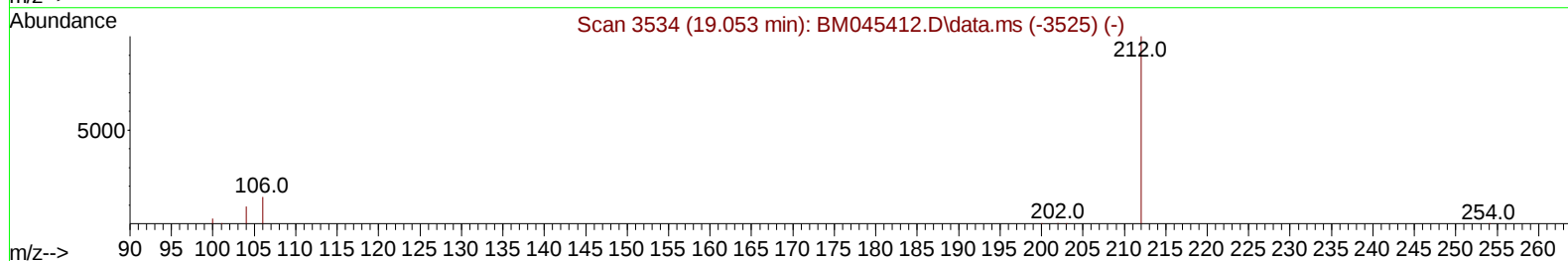
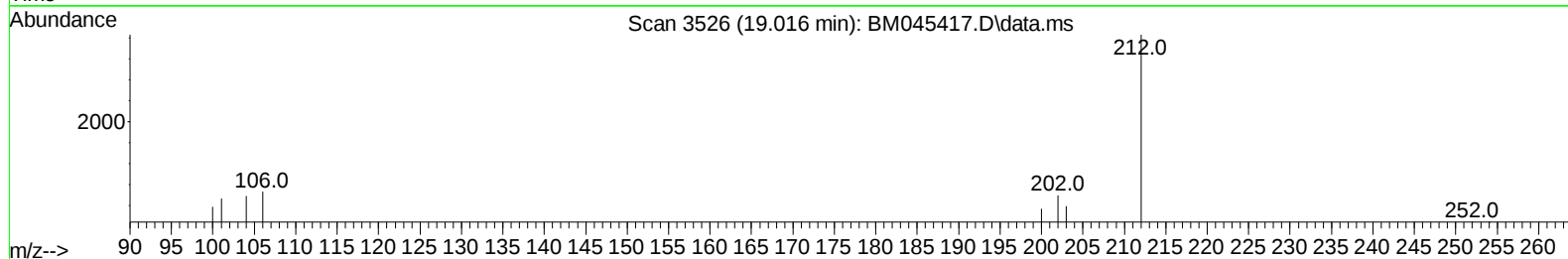
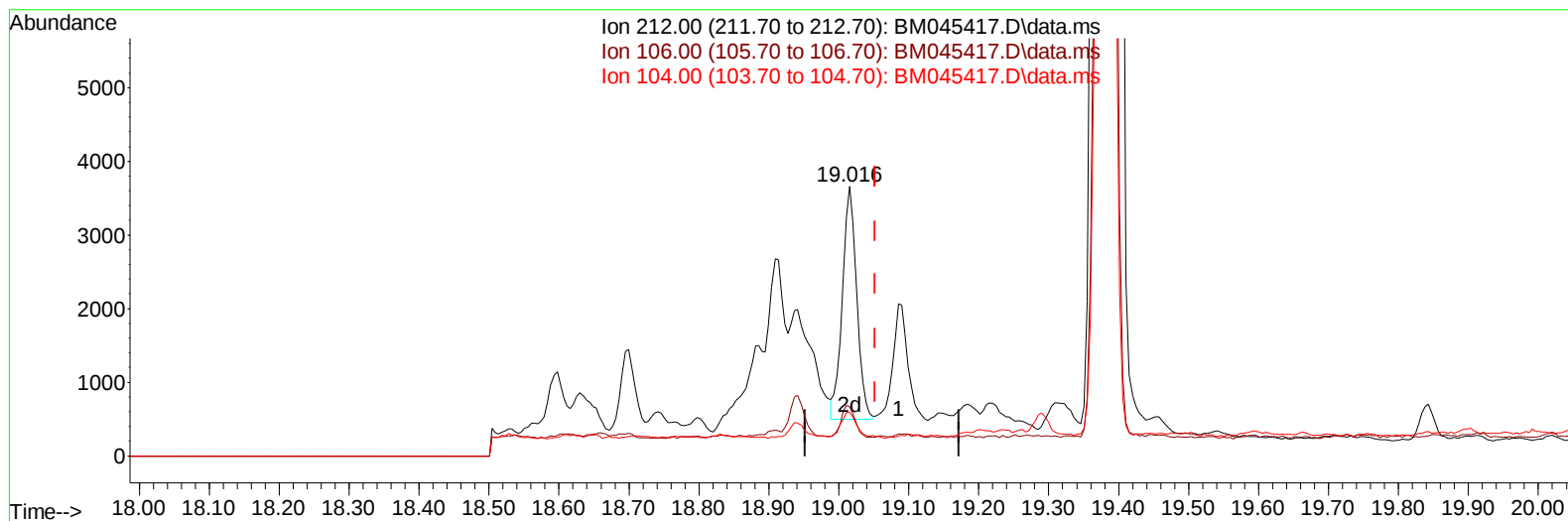
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
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Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.016min (-0.037) 0.48 ng/u1 m

response 4470

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	13.90	1.72#
104.00	8.60	2.77#
0.00	0.00	0.00

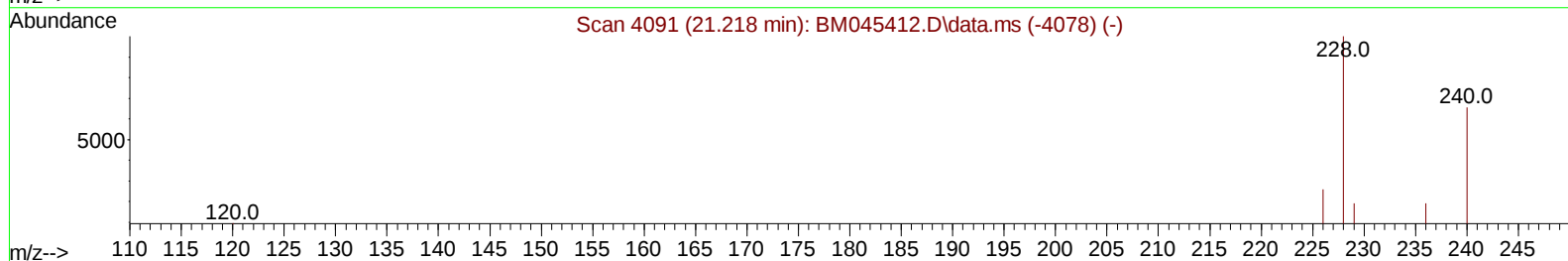
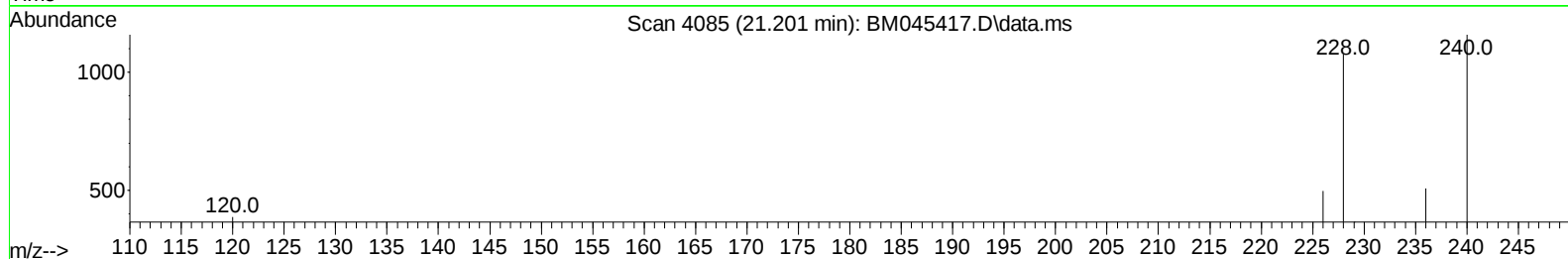
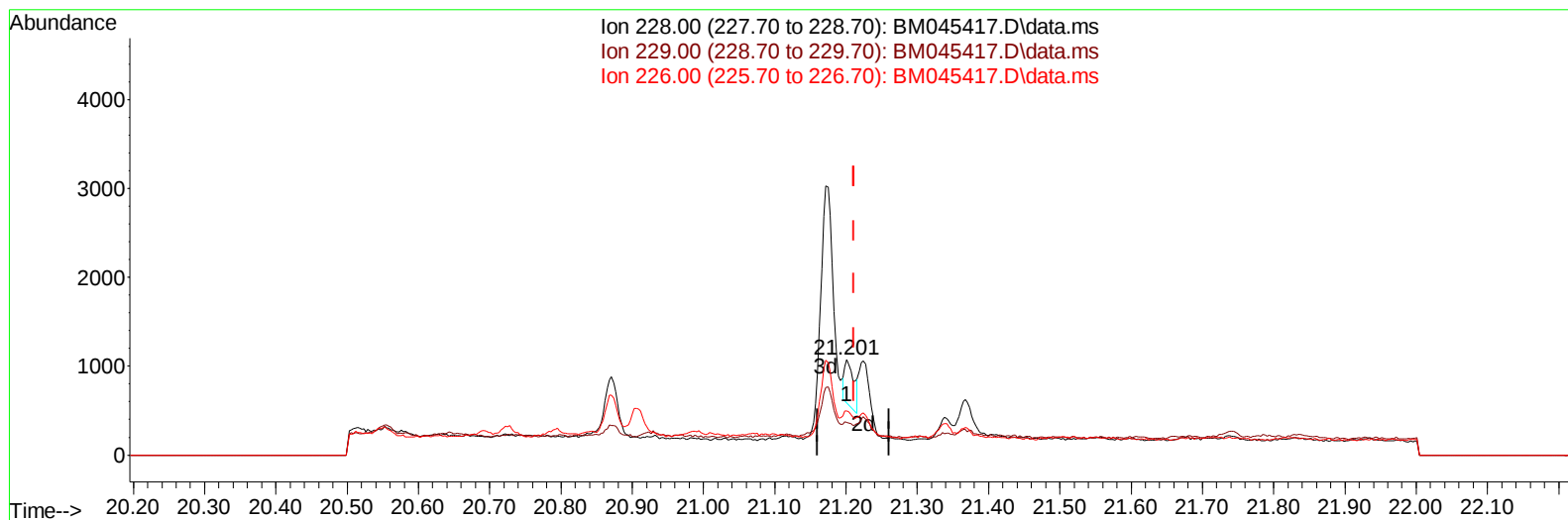
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

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TIC: BM045417.D\data.ms

(21) Benzo(a)anthracene

21.201min (-0.010) 0.04 ng/u1

response 472

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	34.08#
226.00	27.90	46.37#
0.00	0.00	0.00

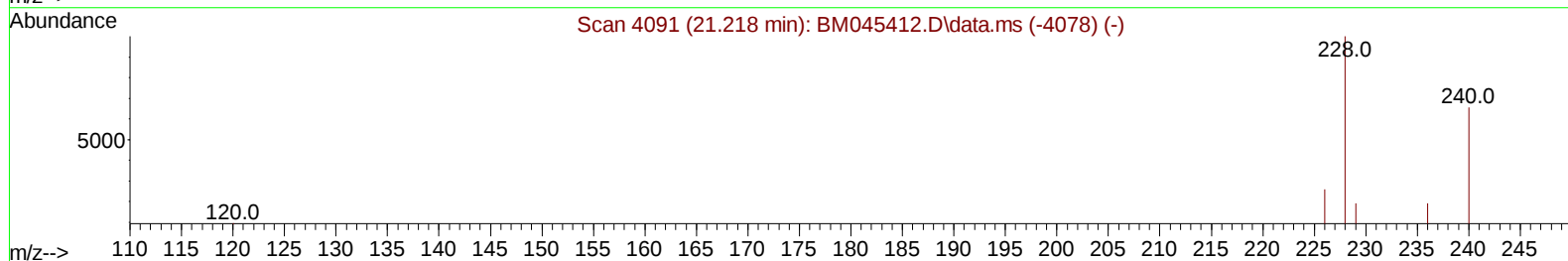
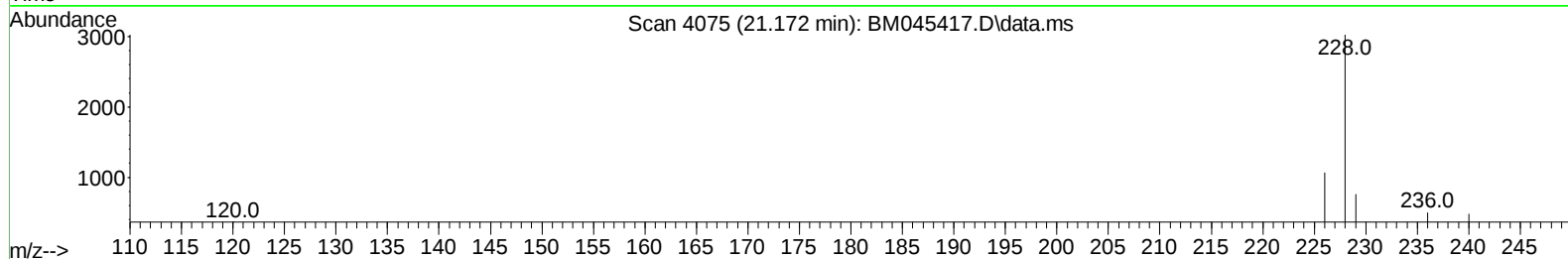
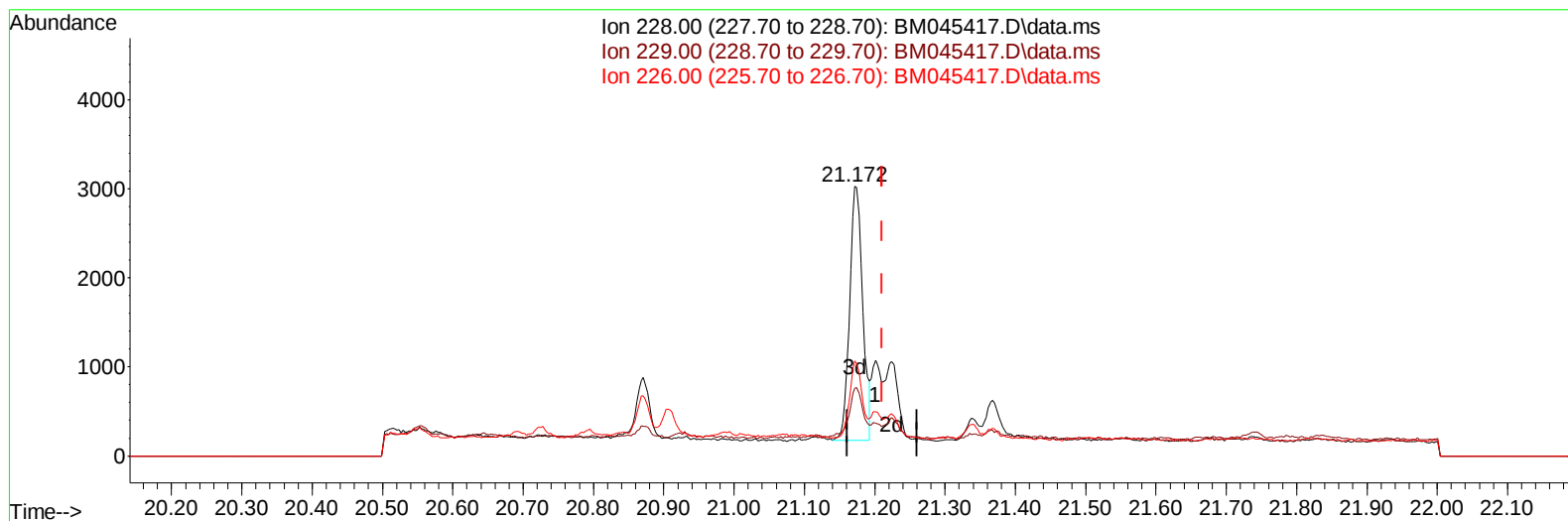
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(21) Benzo(a)anthracene

21.172min (-0.039) 0.29 ng/u1 m

response 3723

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	25.12#
226.00	27.90	35.23#
0.00	0.00	0.00

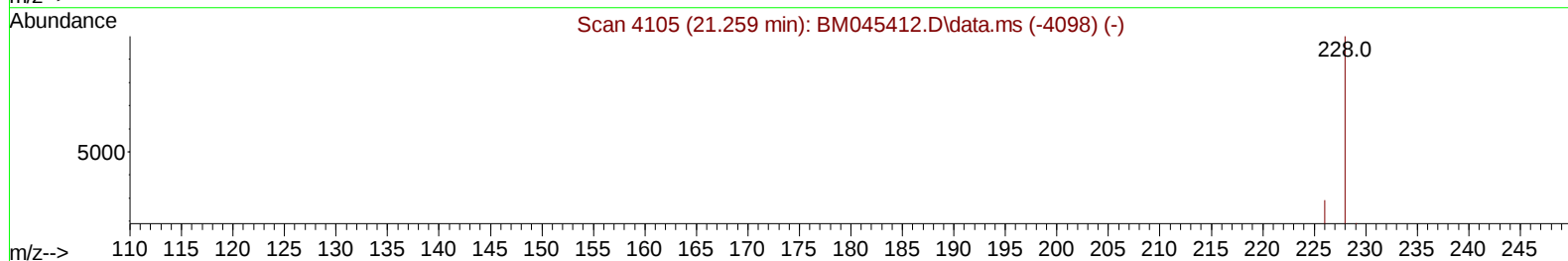
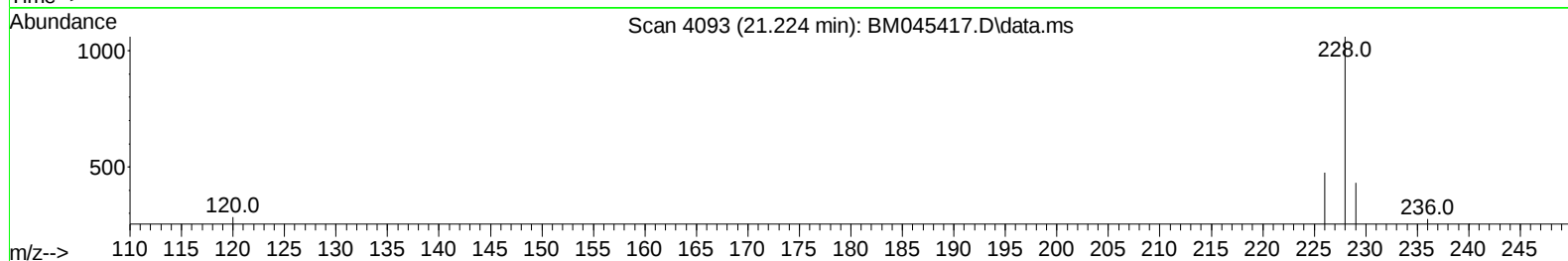
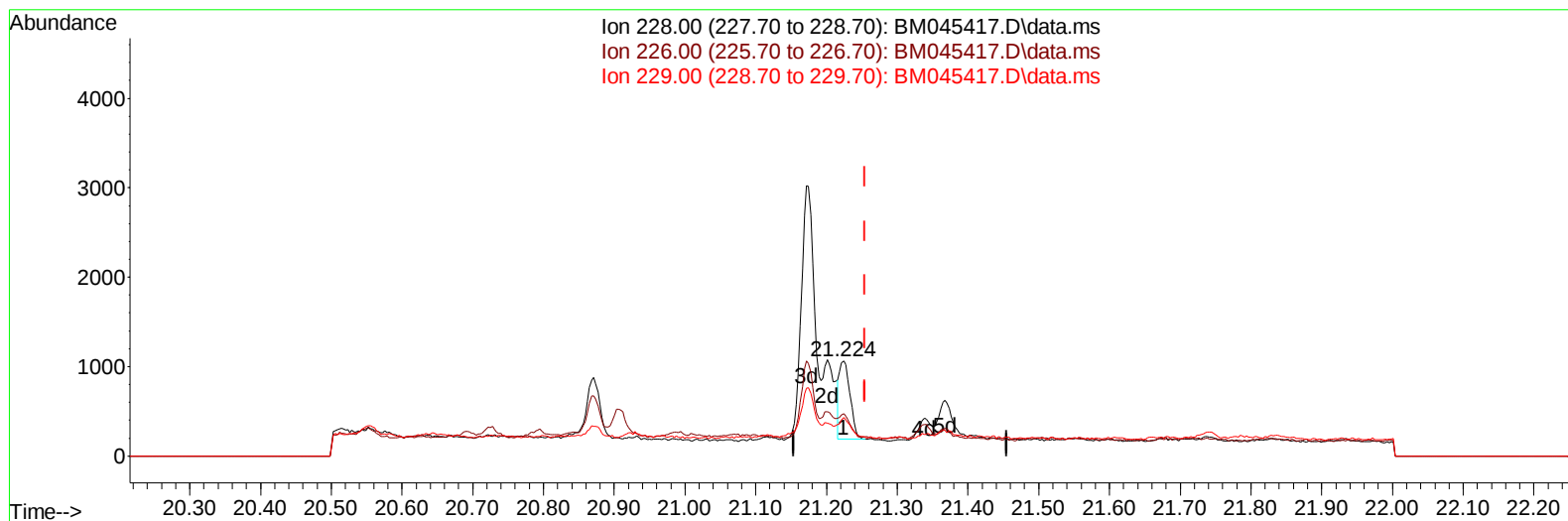
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(22) Chrysene

21.224min (-0.030) 0.06 ng/u1

response 916

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.10	44.86#
229.00	19.90	40.72#
0.00	0.00	0.00

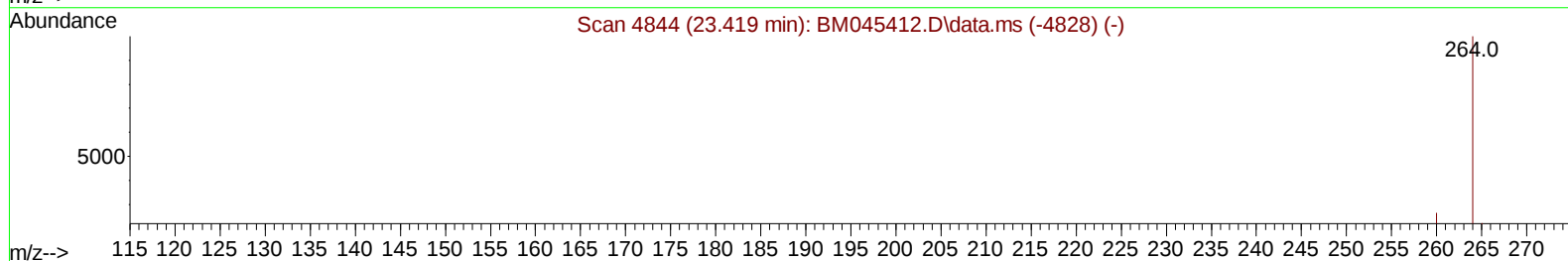
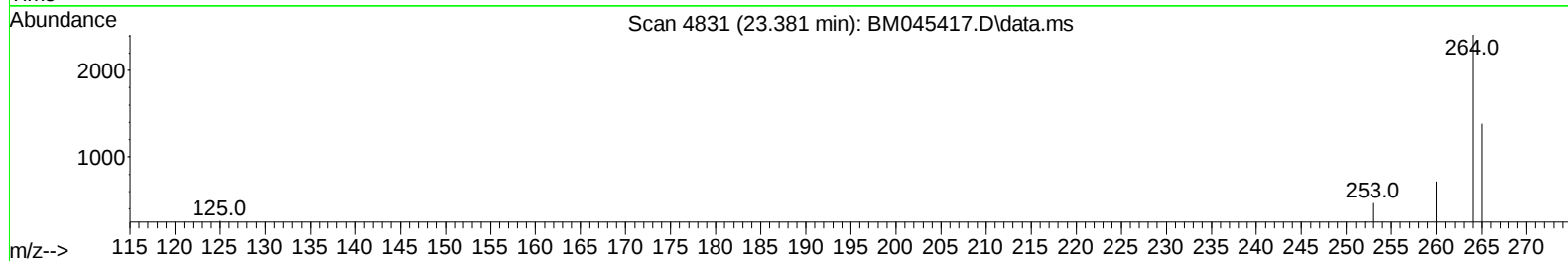
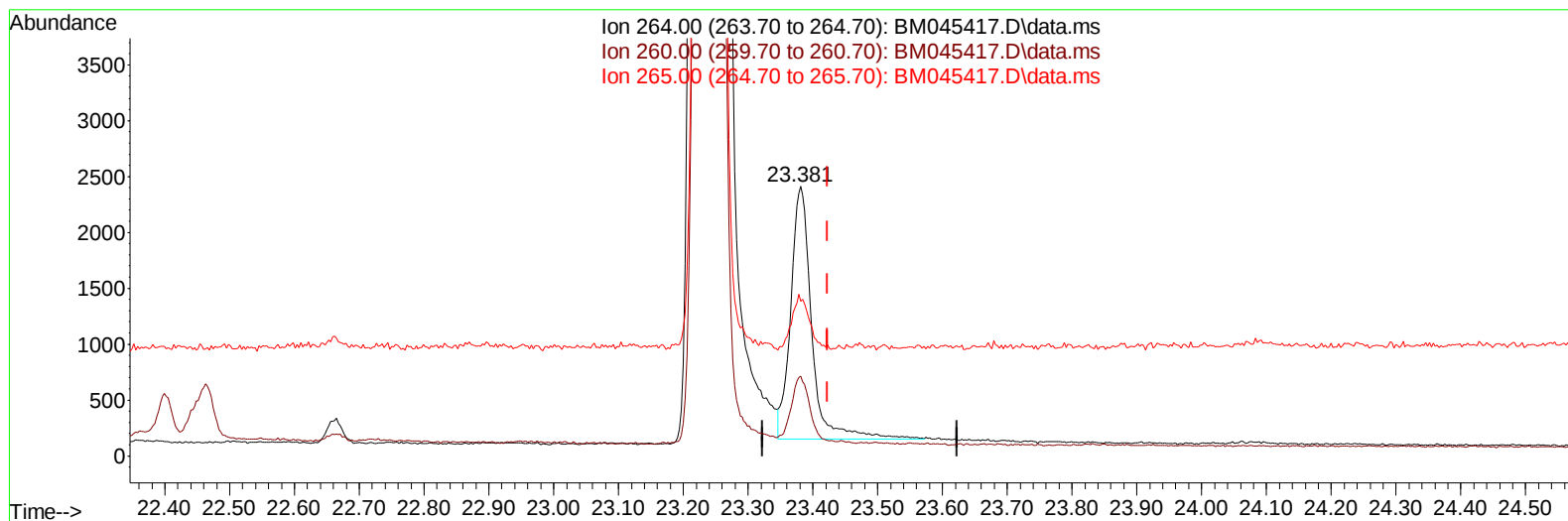
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
Data File : BM045417.D
Acq On : 20 Apr 2024 07:03
Operator : MA/JU
Sample : P2079-01
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 22:19:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(23) Perylene-d12 (I)

23.381min (-0.042) 0.40 ng/u1

response 5067

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.60	29.61
265.00	70.40	57.36
0.00	0.00	0.00

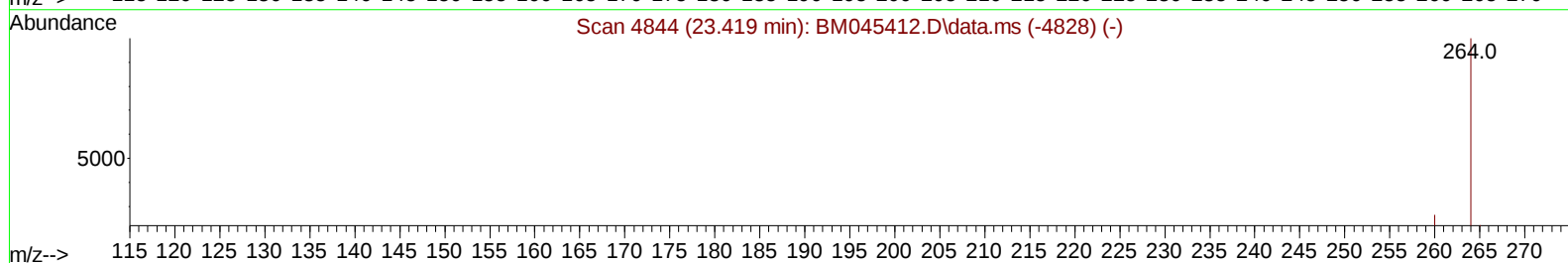
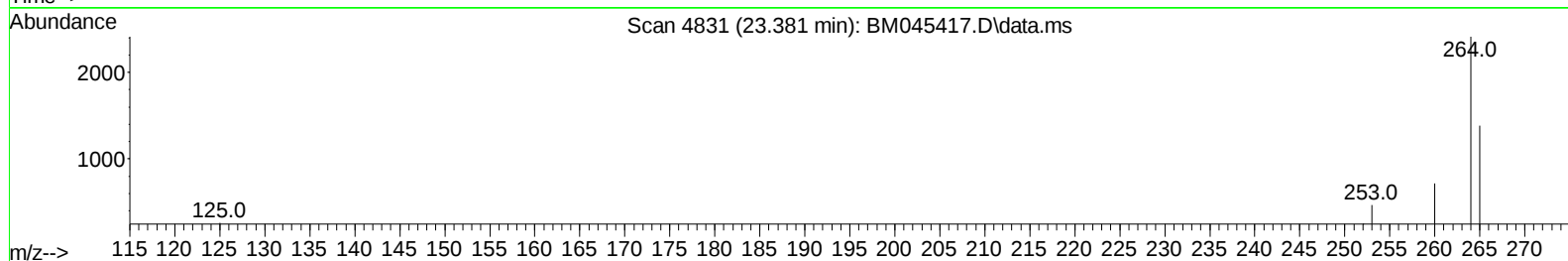
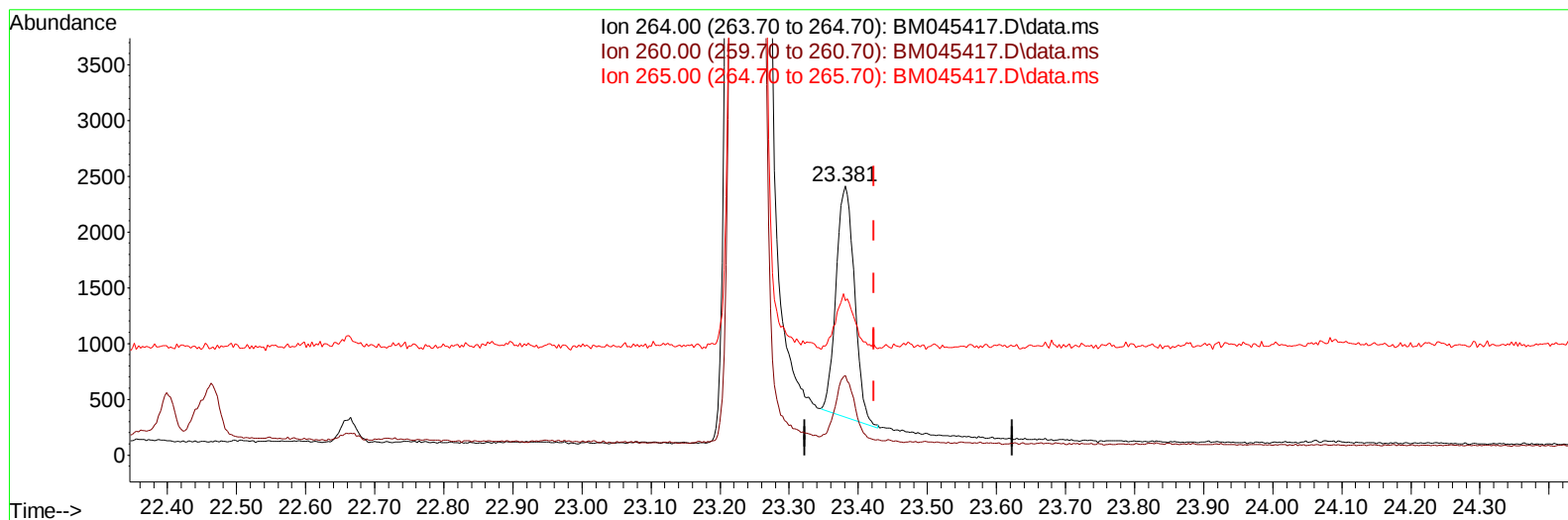
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045417.D
 Acq On : 20 Apr 2024 07:03
 Operator : MA/JU
 Sample : P2079-01
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK6

Manual IntegrationsAPPROVED

Quant Time: Apr 20 17:49:42 2024
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 QLast Update : Thu Apr 18 22:19:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024



TIC: BM045417.D\data.ms

(23) Perylene-d12 (I)

23.381min (-0.042) 0.40 ng/ul m

response 3835

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.60	29.61
265.00	70.40	57.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045417.D
 Acq On : 20 Apr 2024 07:03
 Operator : MA/JU
 Sample : P2079-01
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK6

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.572	152	942	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.330	136	2755	0.400	ng/ul	#-0.06
9) Acenaphthene-d10	14.215	164	1984m	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.976	188	4441m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.189	240	3679m	0.400	ng/ul	-0.03
23) Perylene-d12	23.381	264	3835m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	3434	2.775	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152	1385	0.371	ng/ul	-0.07
18) Fluoranthene-d10	19.016	212	4470m	0.481	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.380	128	104879	14.347	ng/ul#	94
7) 2-Methylnaphthalene	12.008	142	3023	0.693	ng/ul	100
8) 1-Methylnaphthalene	12.228	142	8270	1.735	ng/ul	99
10) Acenaphthylene	13.928	152	11330	1.145	ng/ul#	91
11) Acenaphthene	14.280	153	1053317	148.656	ng/ul	98
12) Fluorene	15.274	166	286874	36.115	ng/ul	100
14) Pentachlorophenol	16.630	266	69	0.066	ng/ul	96
15) Phenanthrene	17.014	178	10706m	0.856	ng/ul	
16) Anthracene	17.107	178	49438	4.015	ng/ul	98
19) Fluoranthene	19.044	202	170475	12.967	ng/ul	99
20) Pyrene	19.411	202	89812	6.469	ng/ul	99
21) Benzo(a)anthracene	21.172	228	3723m	0.291	ng/ul	
22) Chrysene	21.201	228	1979m	0.124	ng/ul	
24) Benzo(b)fluoranthene	22.726	252	491	0.035	ng/ul#	1
25) Benzo(k)fluoranthene	22.773	252	334	0.022	ng/ul#	1

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

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