

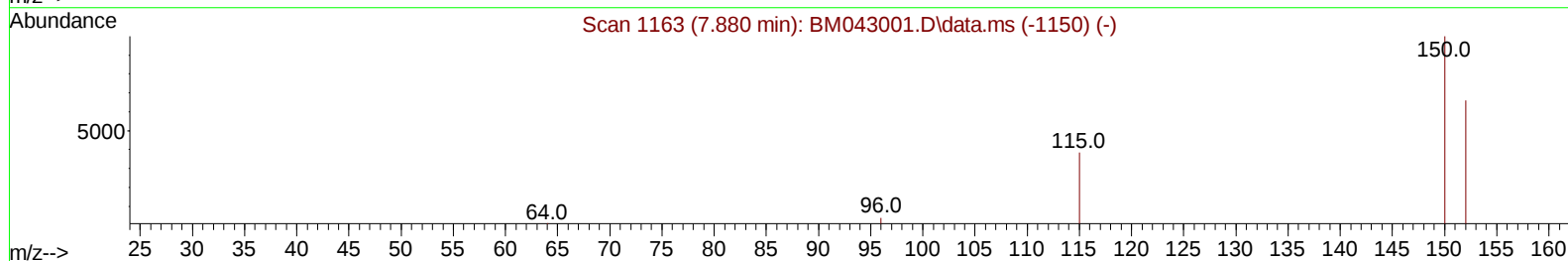
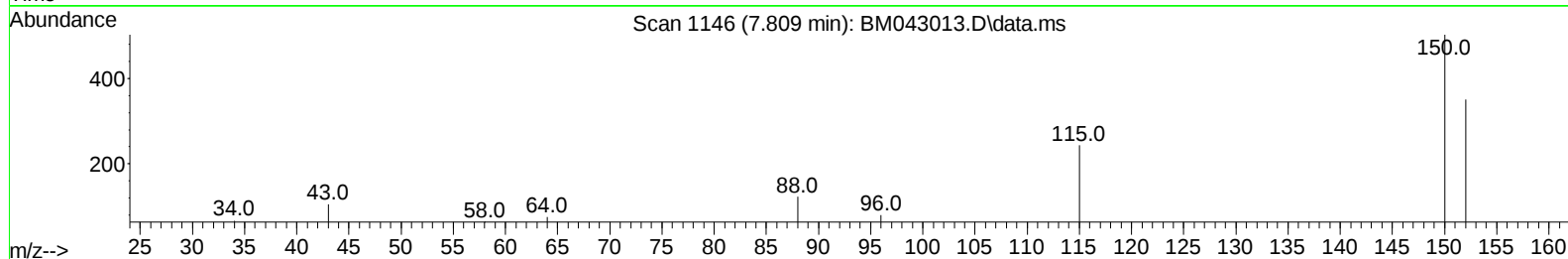
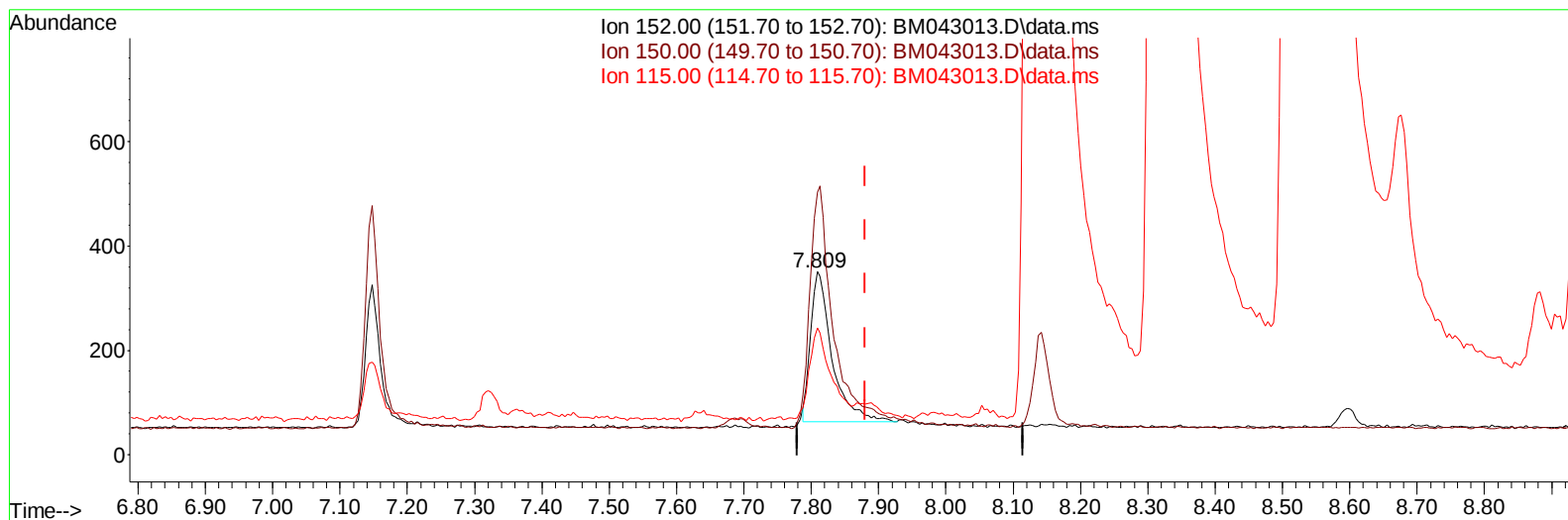
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 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 : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

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

7.809min (-0.071) 0.40 ng/u1

response 639

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	143.30
115.00	89.60	69.23#
0.00	0.00	0.00

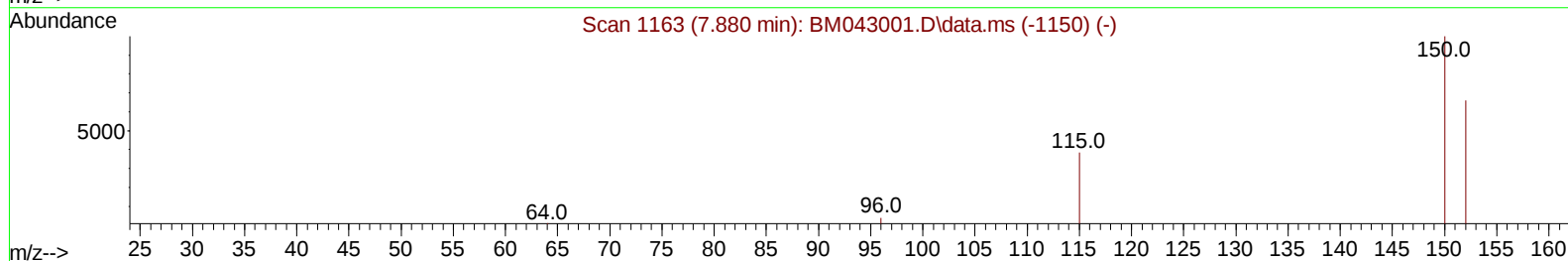
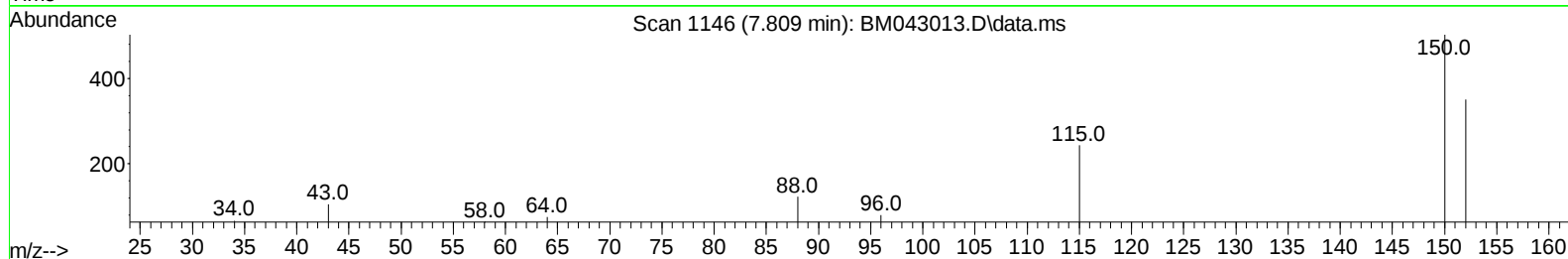
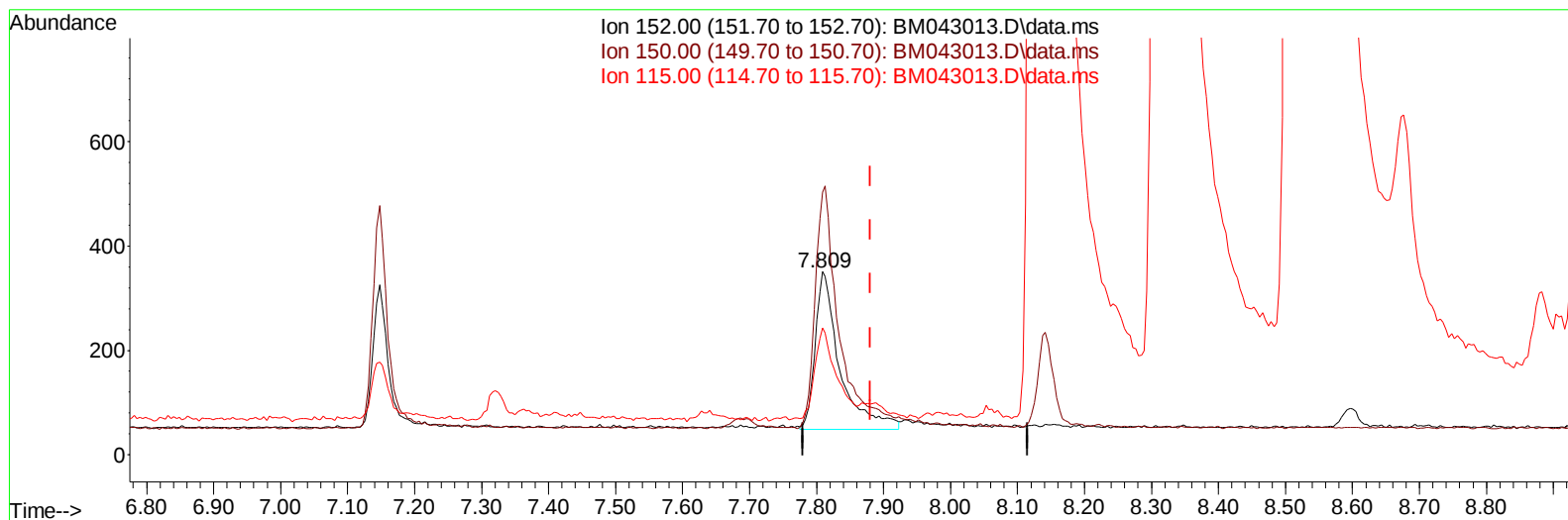
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM043013.D\data.ms

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

7.809min (-0.071) 0.40 ng/ul m

response 770

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	143.30
115.00	89.60	69.23#
0.00	0.00	0.00

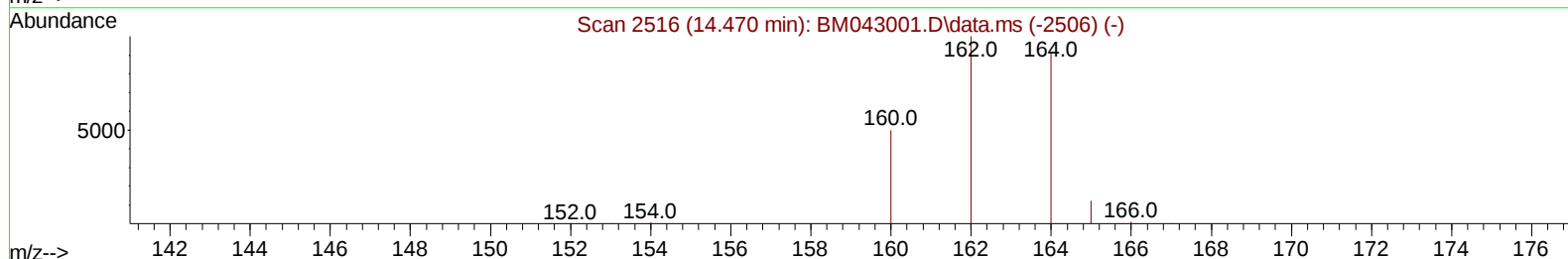
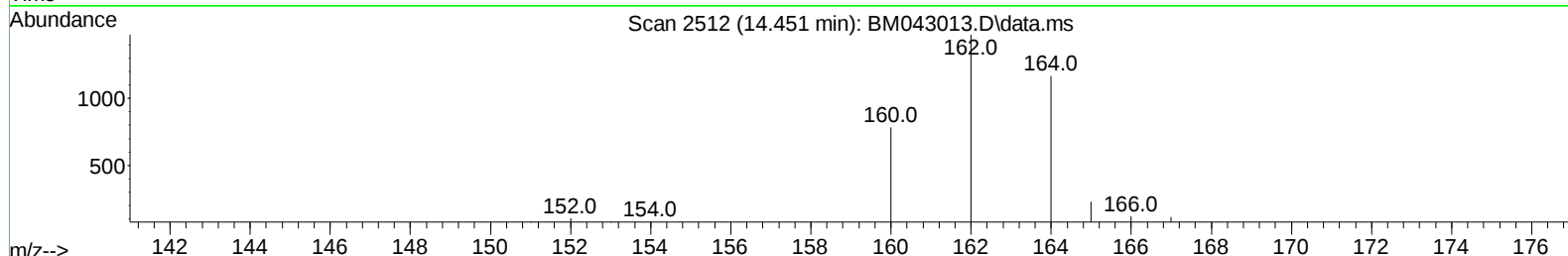
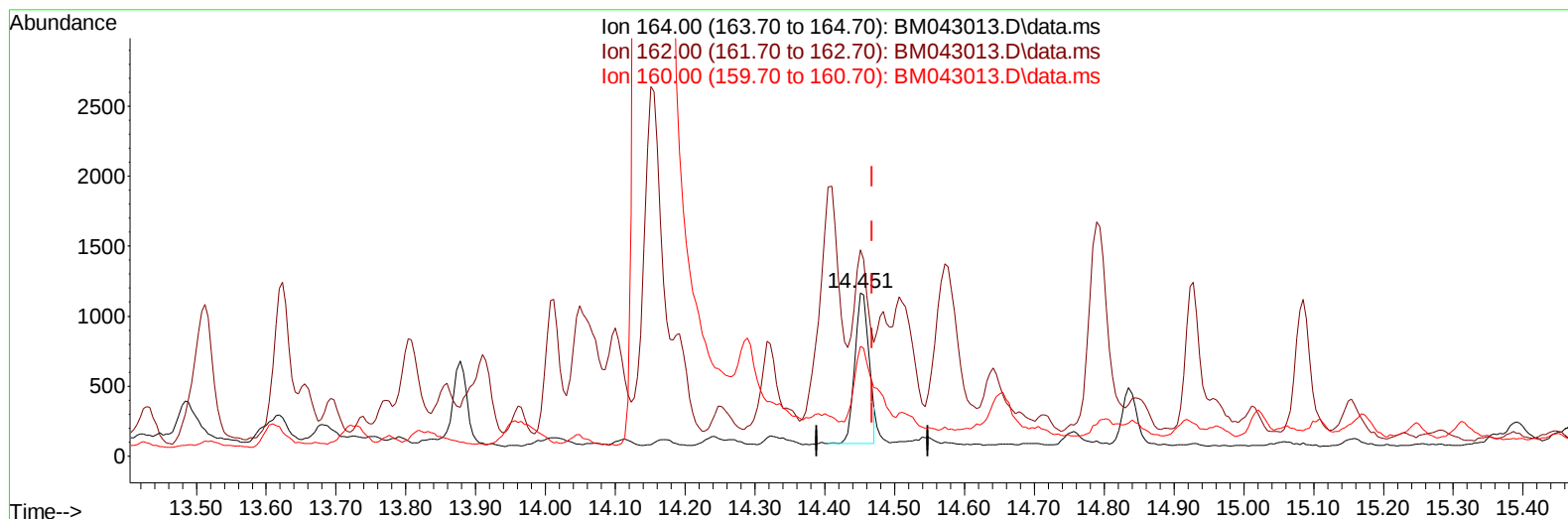
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043013.D
 Acq On : 25 Nov 2023 13:51
 Operator : MA/JU
 Sample : 05336-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKB9

Manual IntegrationsAPPROVED

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TIC: BM043013.D\data.ms

(9) Acenaphthene-d10 (I)

14.451min (-0.017) 0.40 ng/u1

response 1508

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	126.39
160.00	57.20	67.27
0.00	0.00	0.00

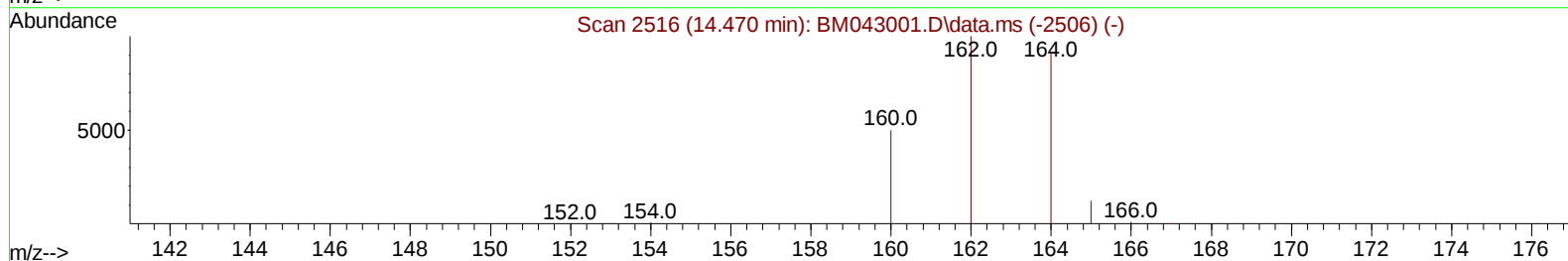
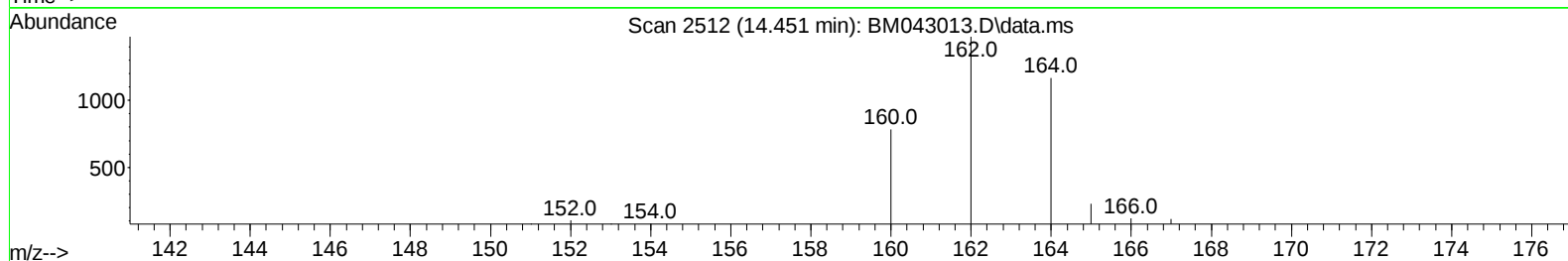
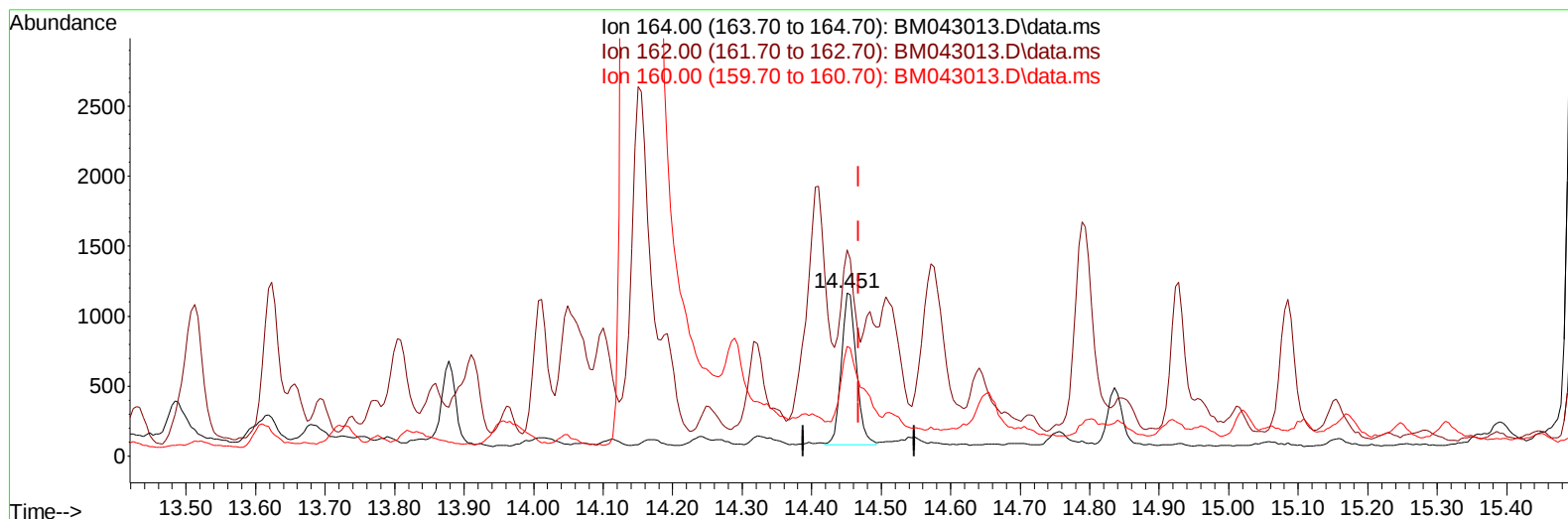
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 2023
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Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

(9) Acenaphthene-d10 (I)

14.451min (-0.017) 0.40 ng/ul m

response 1611

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	126.39
160.00	57.20	67.27
0.00	0.00	0.00

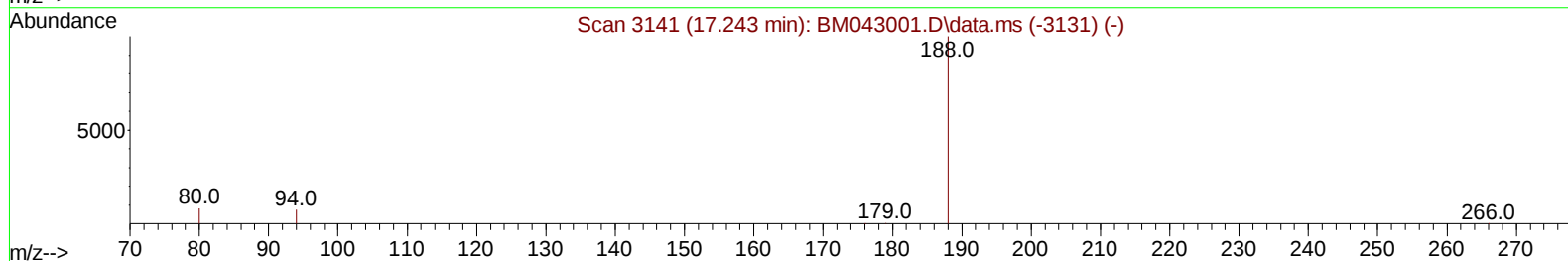
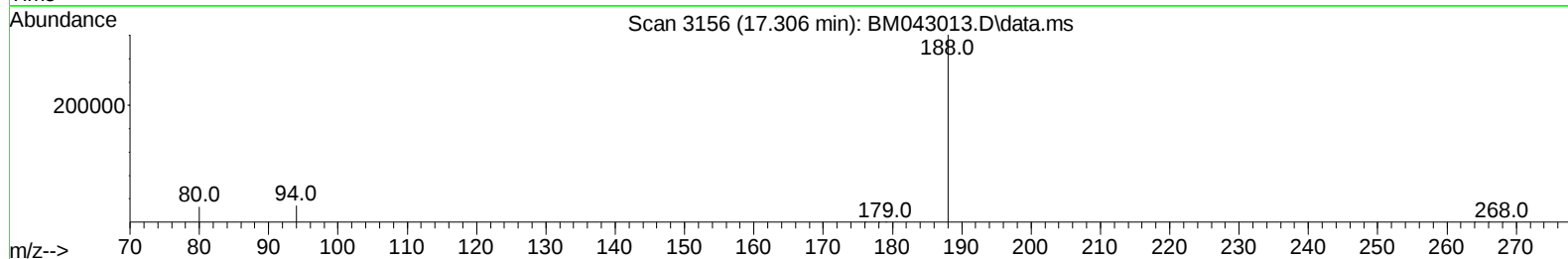
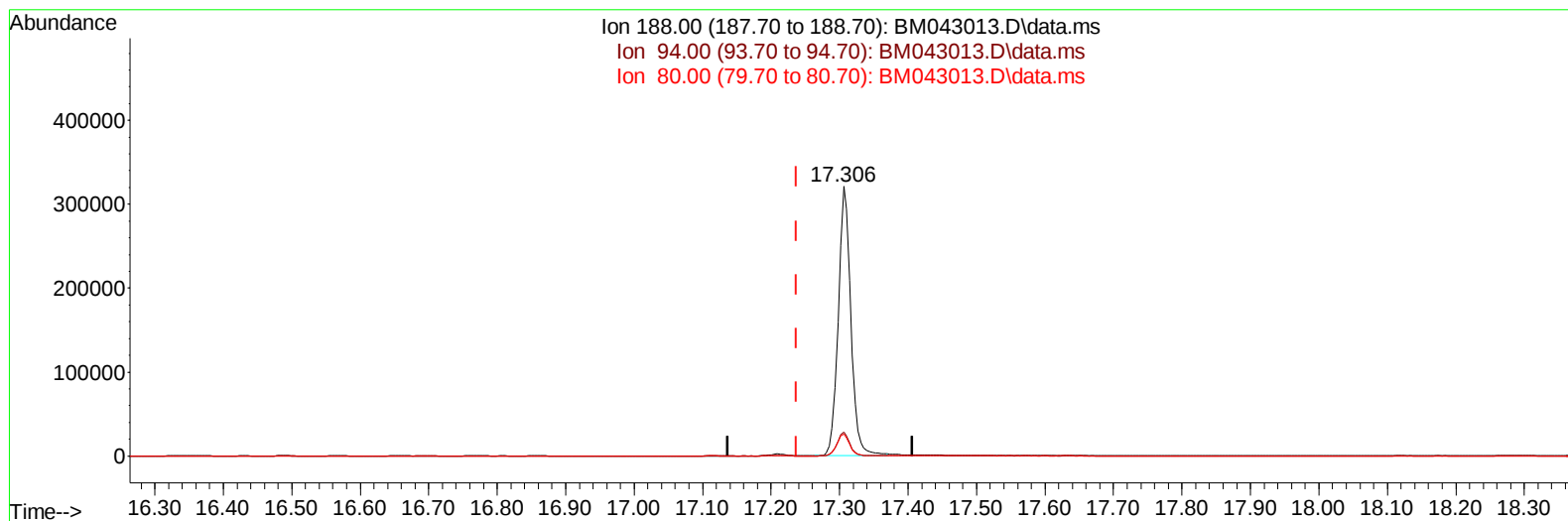
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043013.D
 Acq On : 25 Nov 2023 13:51
 Operator : MA/JU
 Sample : 05336-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 2023
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TIC: BM043013.D\data.ms

(13) Phenanthrene-d10 (I)

17.306min (+ 0.069) 0.40 ng/u1

response 413118

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.92#
80.00	12.70	8.28#
0.00	0.00	0.00

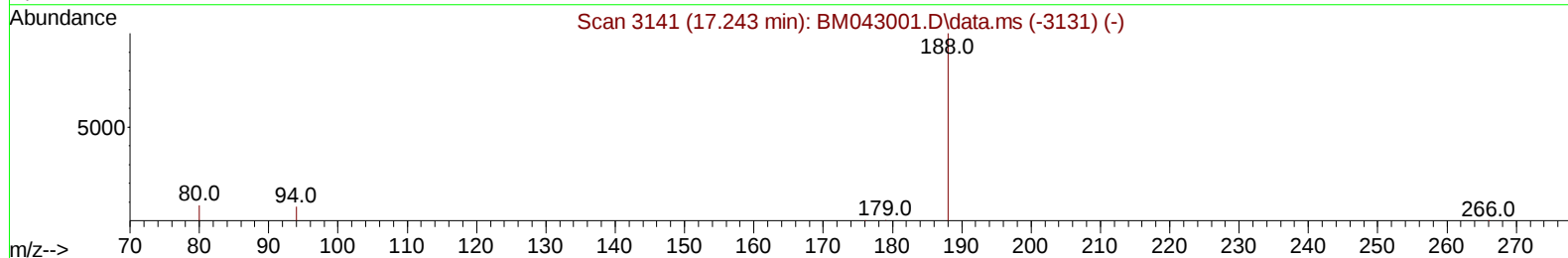
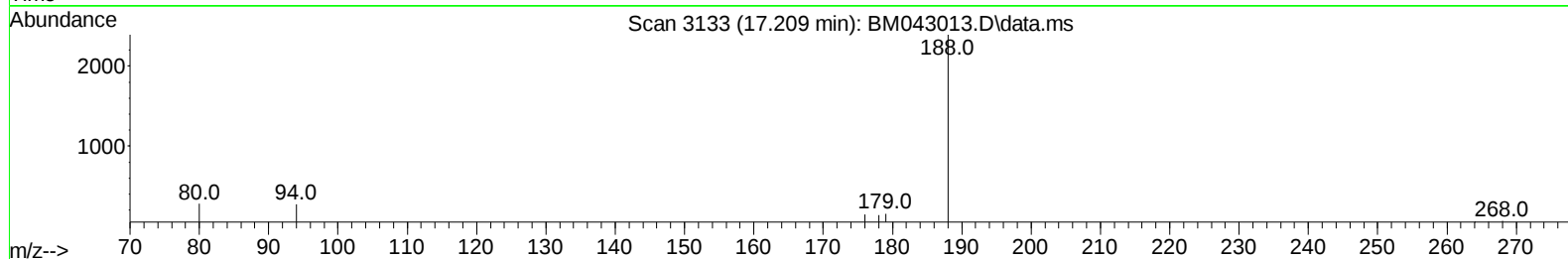
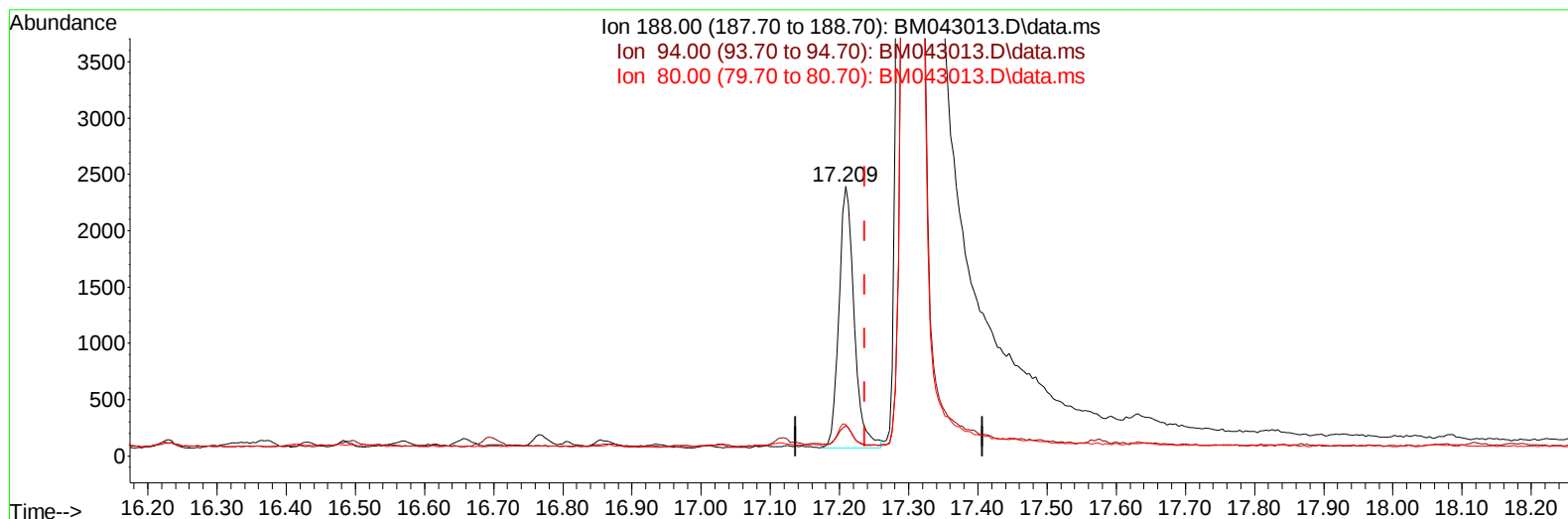
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043013.D
 Acq On : 25 Nov 2023 13:51
 Operator : MA/JU
 Sample : 05336-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 2023
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Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

(13) Phenanthrene-d10 (I)

17.209min (-0.028) 0.40 ng/ul m

response 3542

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	11.25
80.00	12.70	11.62
0.00	0.00	0.00

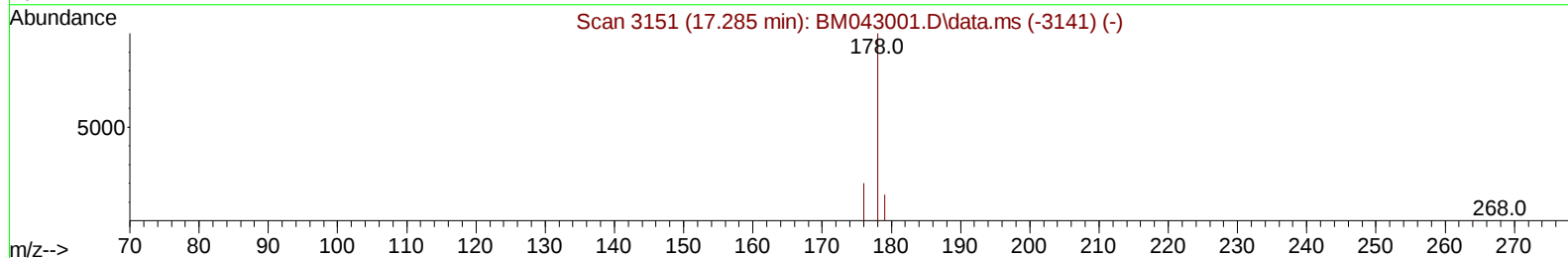
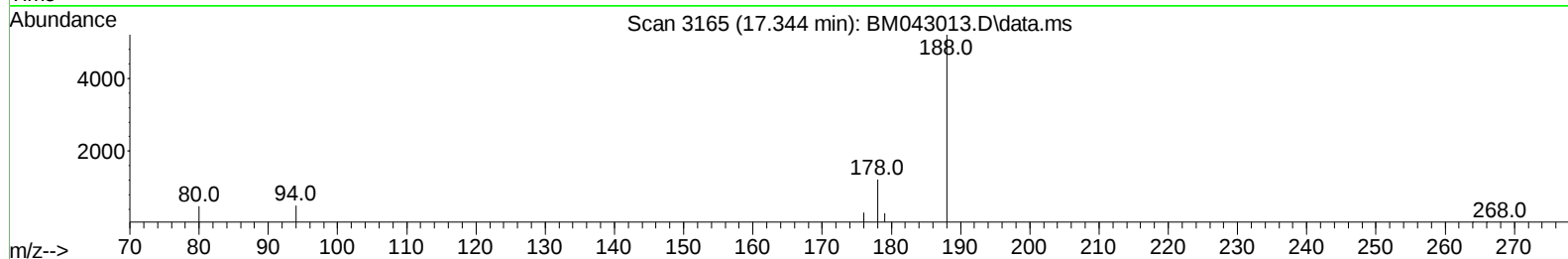
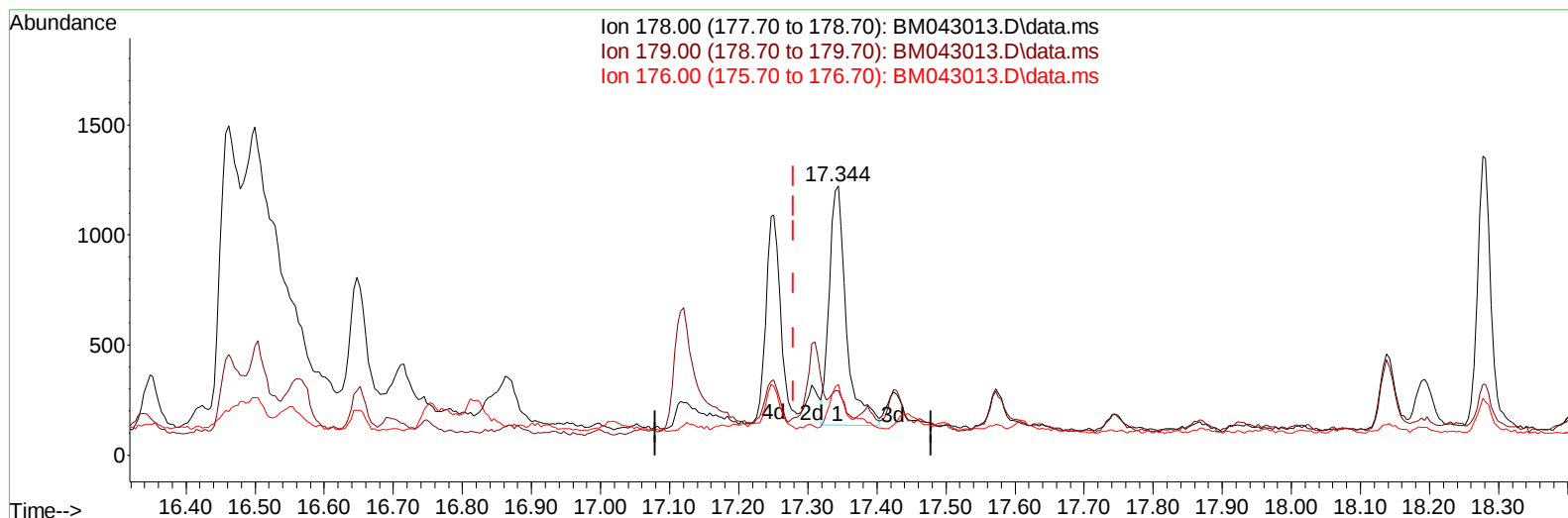
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKB9

Manual IntegrationsAPPROVED

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TIC: BM043013.D\data.ms

(15) Phenanthrene

17.344min (+ 0.065) 0.18 ng/u1

response 1867

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	24.08#
176.00	23.60	26.21
0.00	0.00	0.00

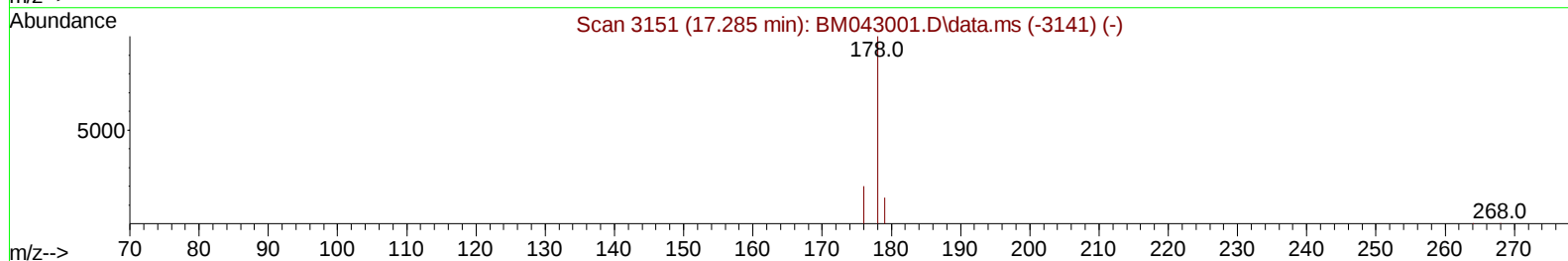
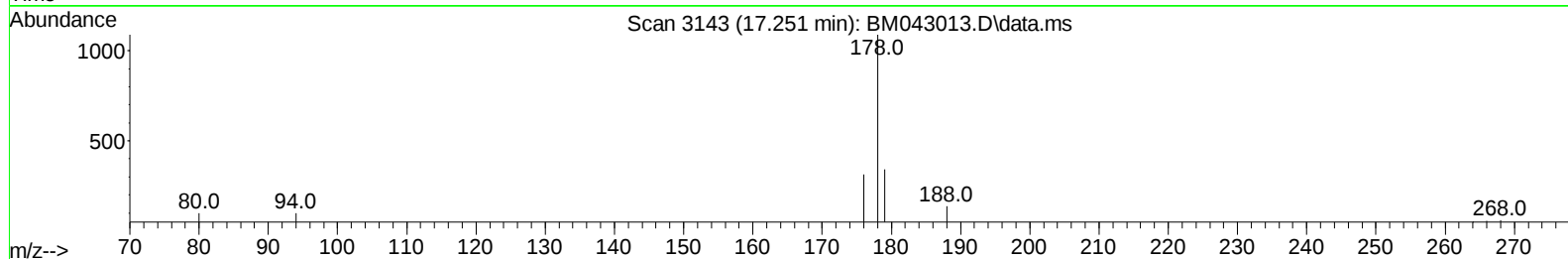
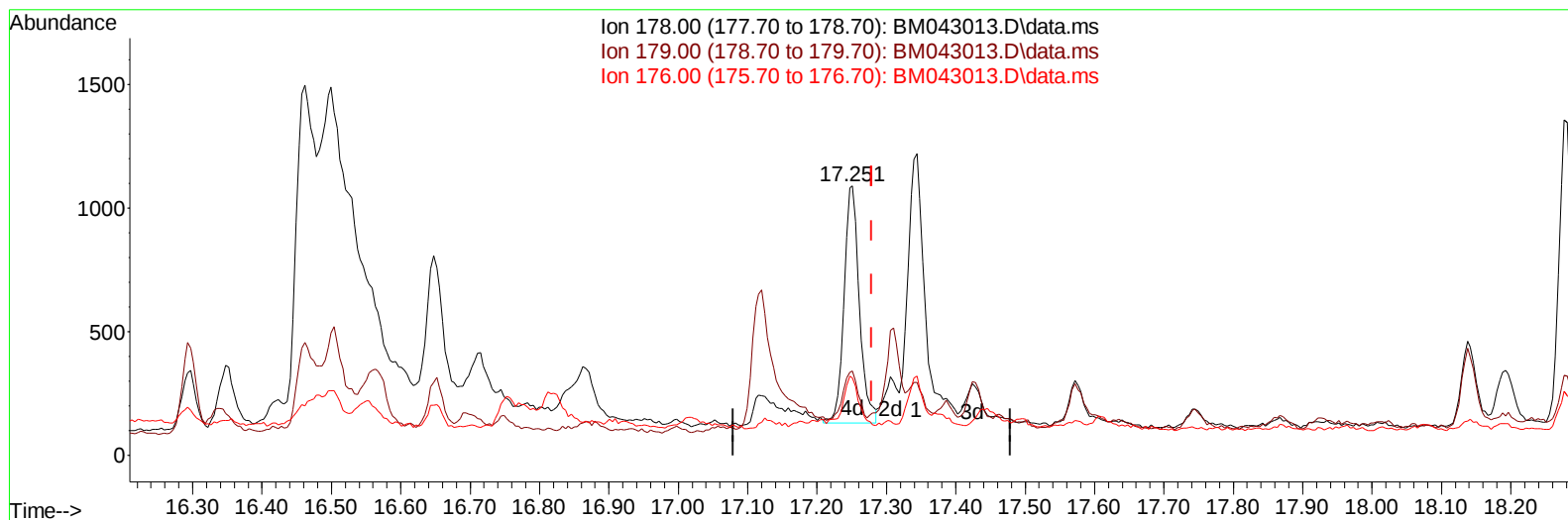
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 Data File : BM043013.D
 Acq On : 25 Nov 2023 13:51
 Operator : MA/JU
 Sample : 05336-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 2023
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 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

(15) Phenanthrene

17.251min (-0.028) 0.15 ng/ul m

response 1469

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	31.31#
176.00	23.60	28.65#
0.00	0.00	0.00

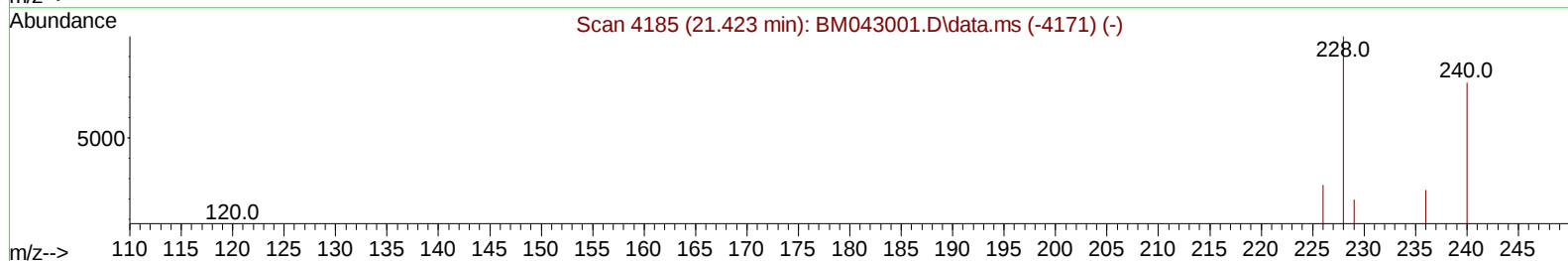
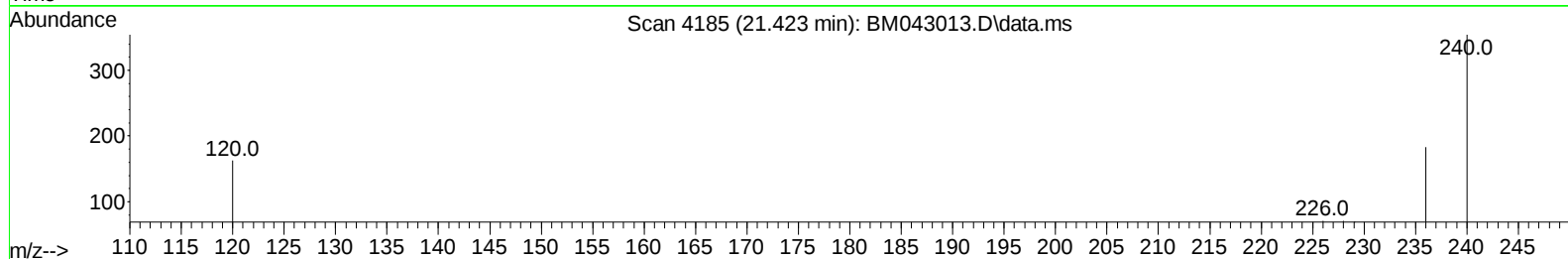
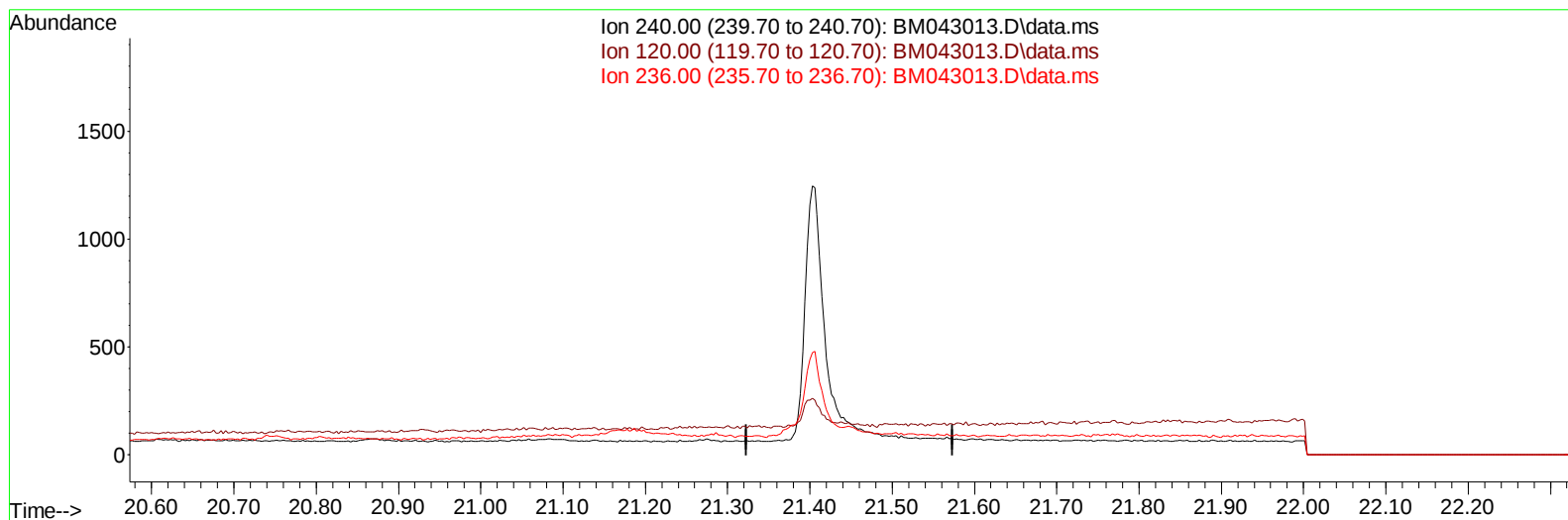
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKB9

Manual IntegrationsAPPROVED

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TIC: BM043013.D\data.ms

(17) Chrysene-d12

21.424min (-21.424) 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

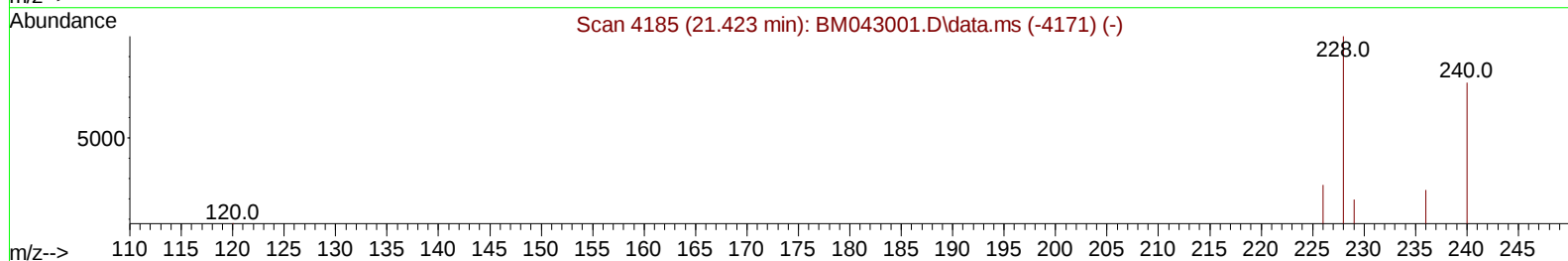
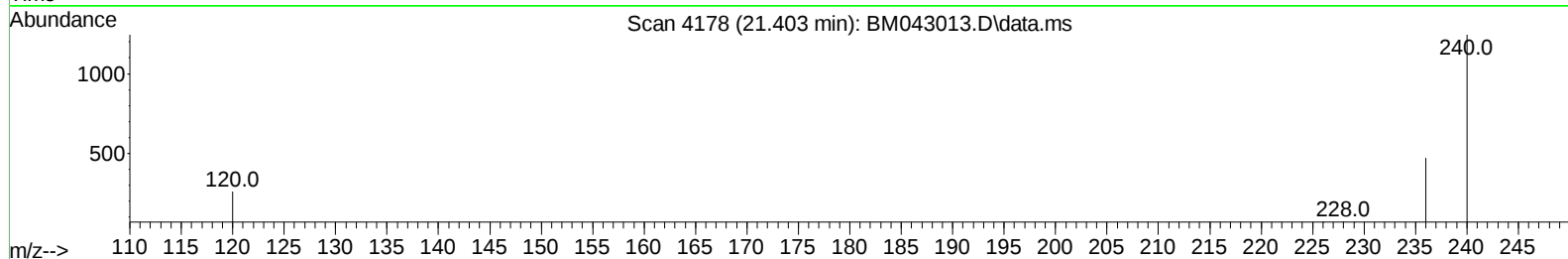
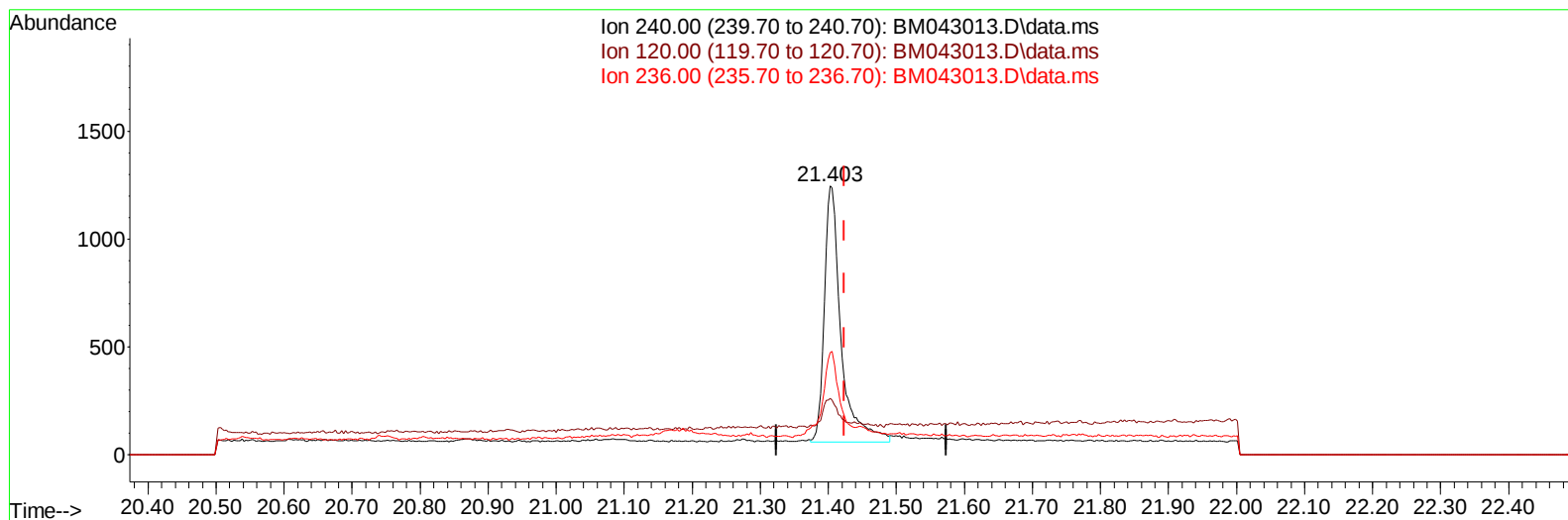
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
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Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DCKB9

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TIC: BM043013.D\data.ms

(17) Chrysene-d12

21.403min (-0.021) 0.40 ng/ul m

response 2022

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	21.04
236.00	38.50	38.07
0.00	0.00	0.00

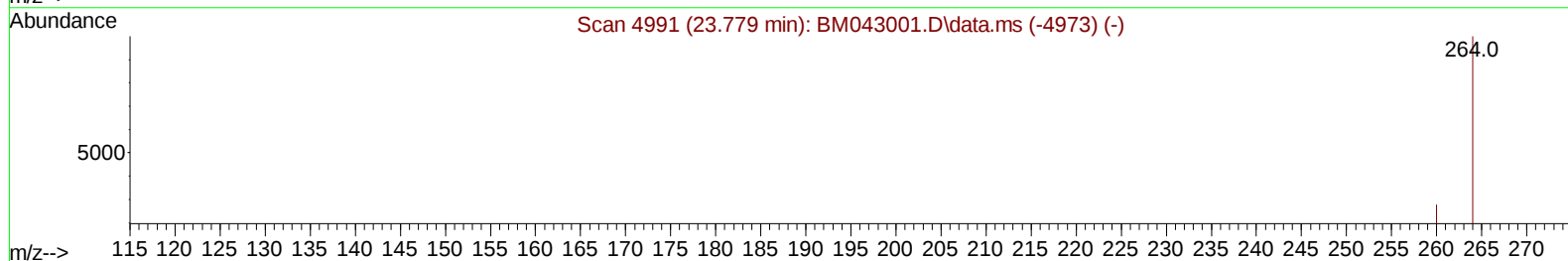
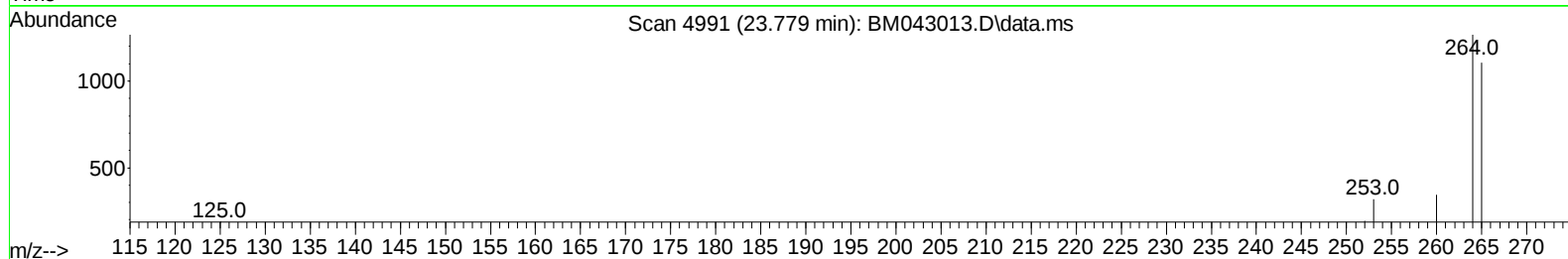
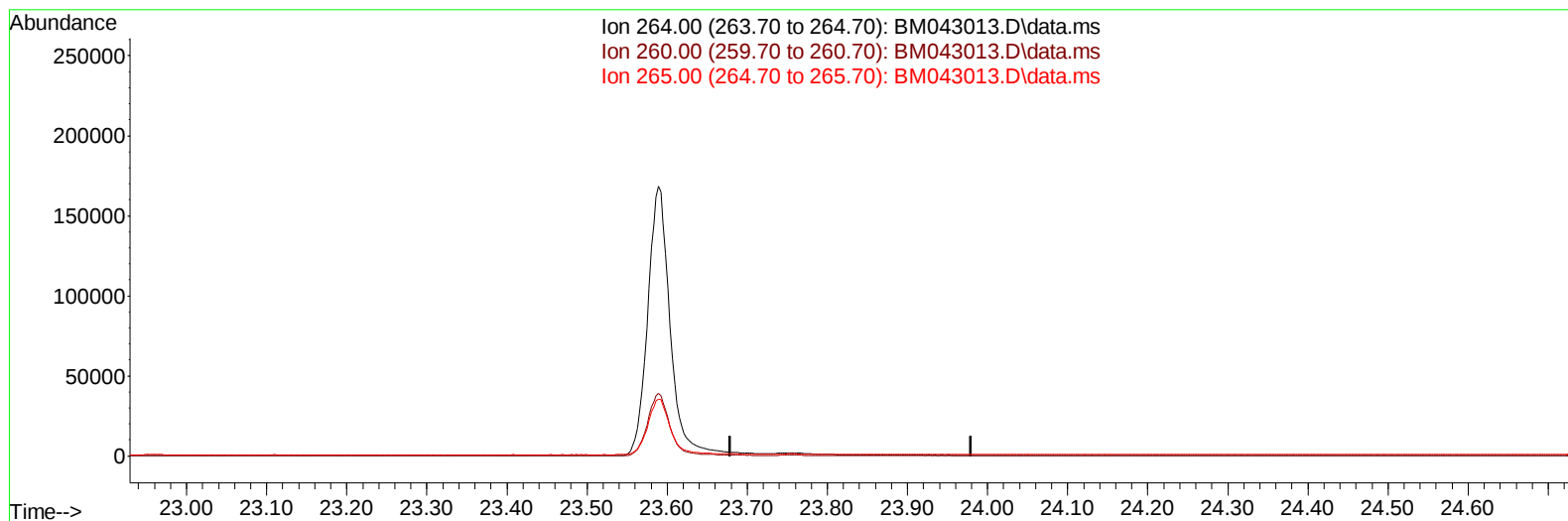
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 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

(23) Perylene-d12 (I)

23.779min (-23.779) 0.00 ng/ul

response 0

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

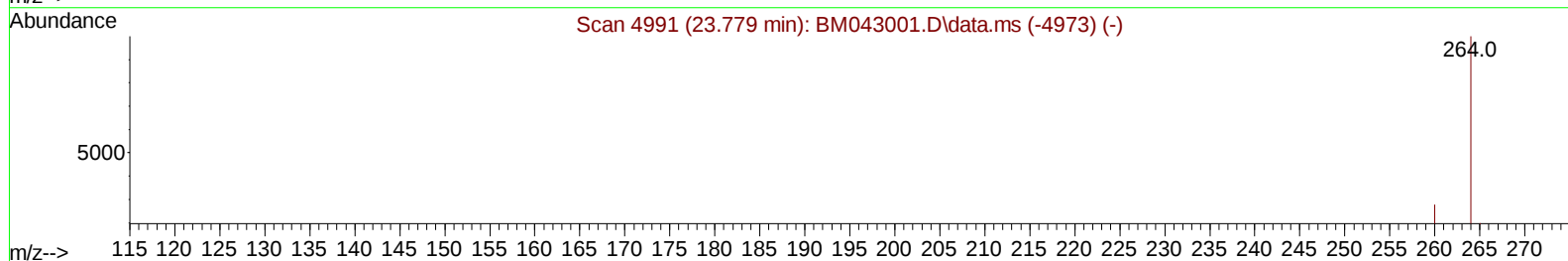
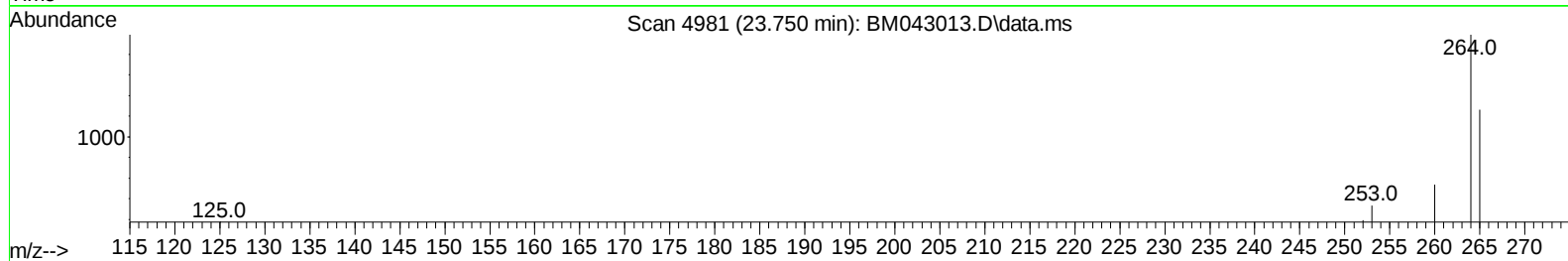
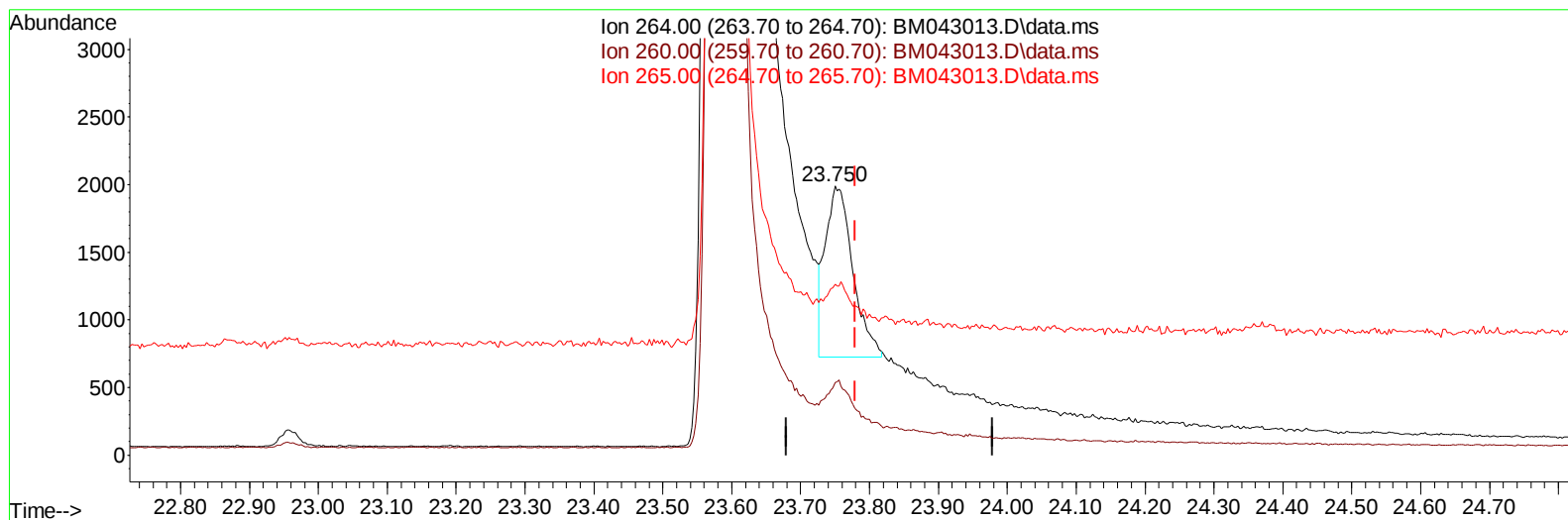
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043013.D\data.ms

(23) Perylene-d12 (I)

23.750min (-0.030) 0.40 ng/ul m

response 3493

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	26.95#
265.00	120.30	63.45#
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.809	152		770m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.607	136		2402	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.451	164		1611m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.209	188		3542m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240		2022m	0.400	ng/ul	-0.02
23) Perylene-d12	23.750	264		3493m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.160	96		4959	4.197	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152		1555	0.484	ng/ul	-0.05
18) Fluoranthene-d10	19.239	212		3716	0.504	ng/ul	-0.02
Target Compounds					Qvalue		
5) Naphthalene	10.656	128		39475	6.047	ng/ul#	82
7) 2-Methylnaphthalene	12.278	142		981	0.255	ng/ul	93
8) 1-Methylnaphthalene	12.493	142		7613	1.773	ng/ul	99
10) Acenaphthylene	14.178	152		6263	0.762	ng/ul	96
11) Acenaphthene	14.516	153		312095	50.101	ng/ul	96
12) Fluorene	15.506	166		91226	14.262	ng/ul#	99
15) Phenanthrene	17.251	178		1469m	0.145	ng/ul	
16) Anthracene	17.344	178		1710	0.179	ng/ul	97
19) Fluoranthene	19.272	202		3903	0.340	ng/ul	98
20) Pyrene	19.634	202		2139	0.175	ng/ul#	85

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043013.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKB9

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:43:26 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 : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

