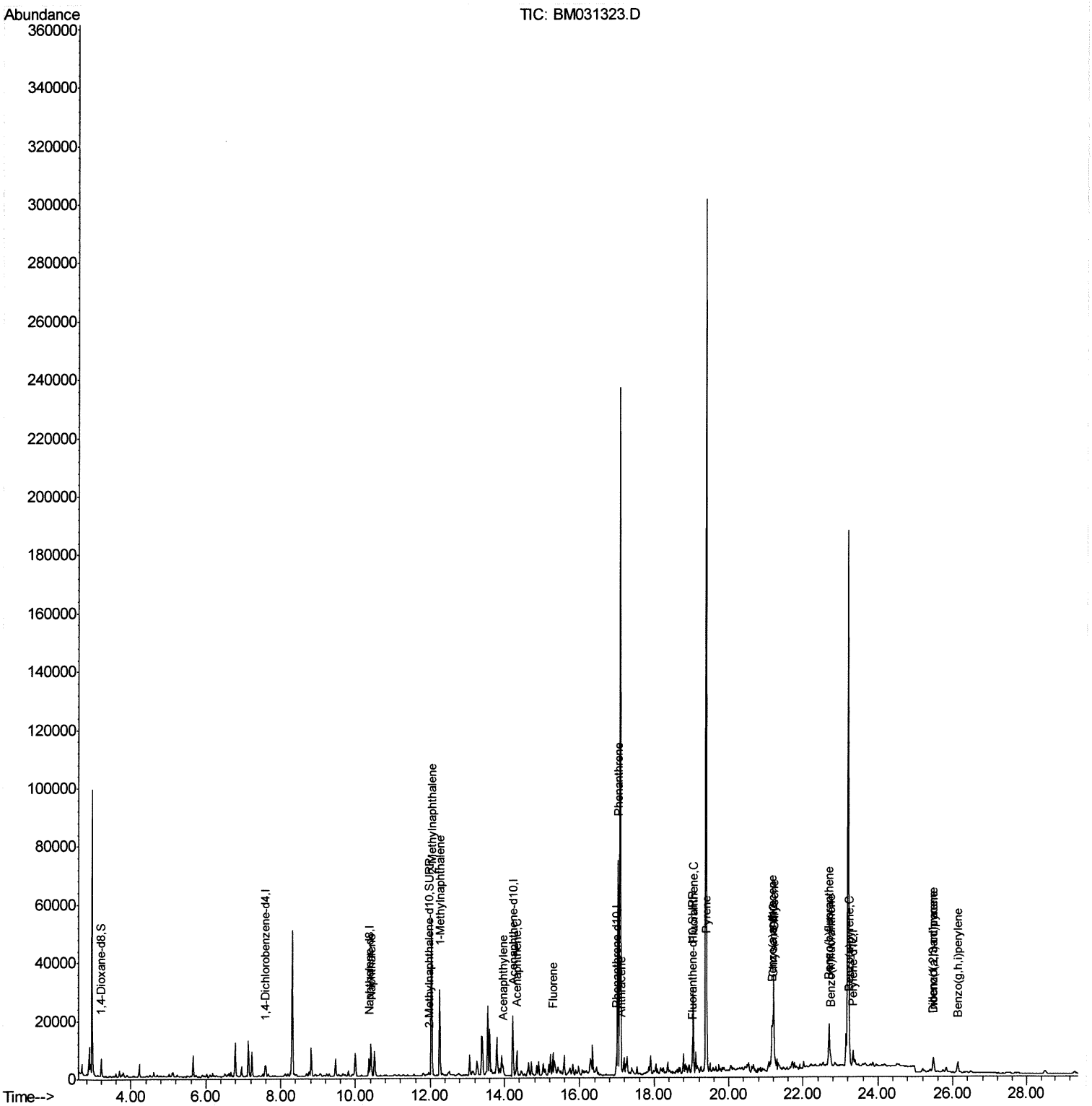
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:52:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:57 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 01:13:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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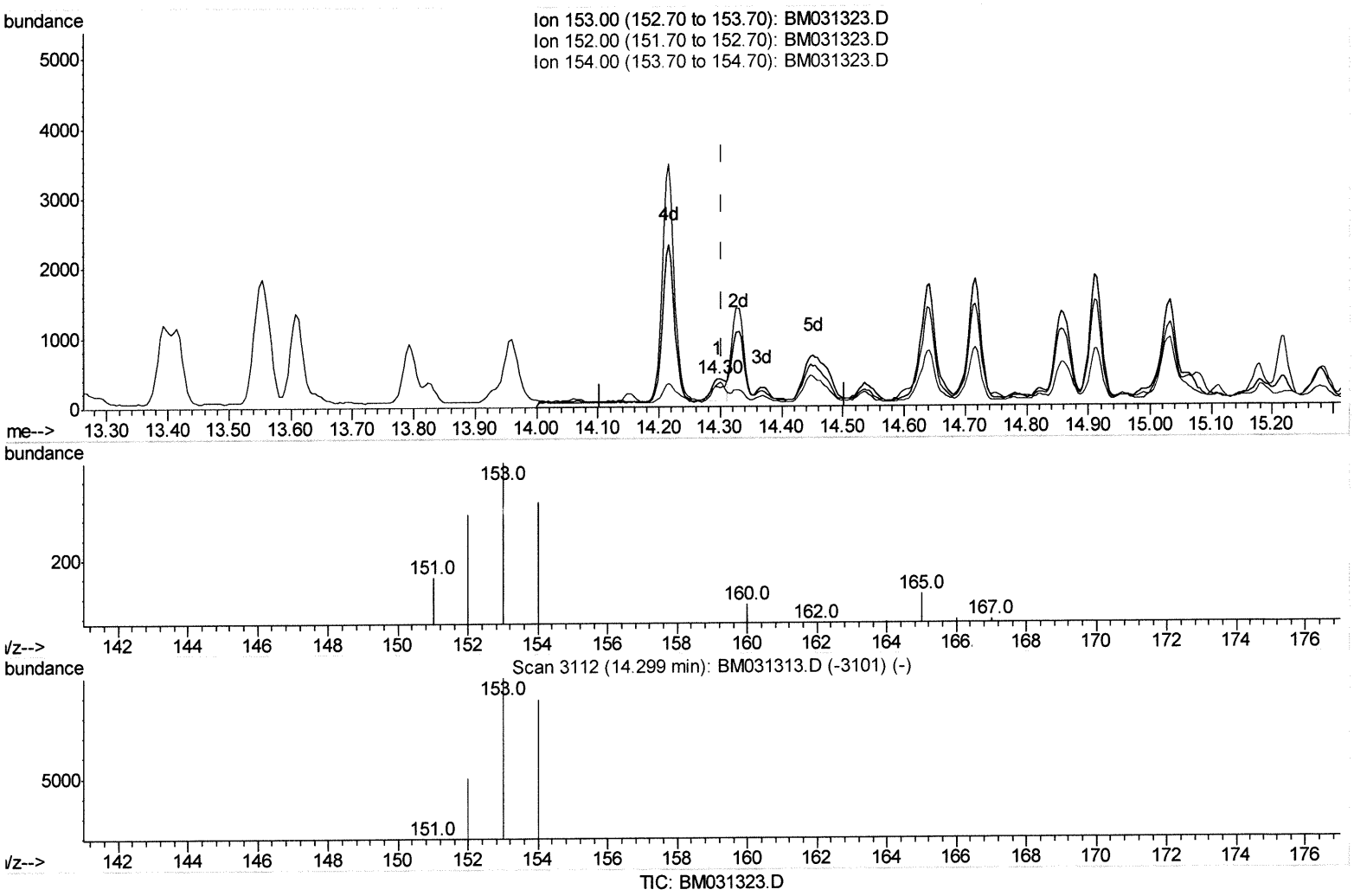

(11) Acenaphthene (C)

14.296min (-0.007) 0.03ng/ul

response 518

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	73.12#
154.00	87.70	79.65
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 01:13:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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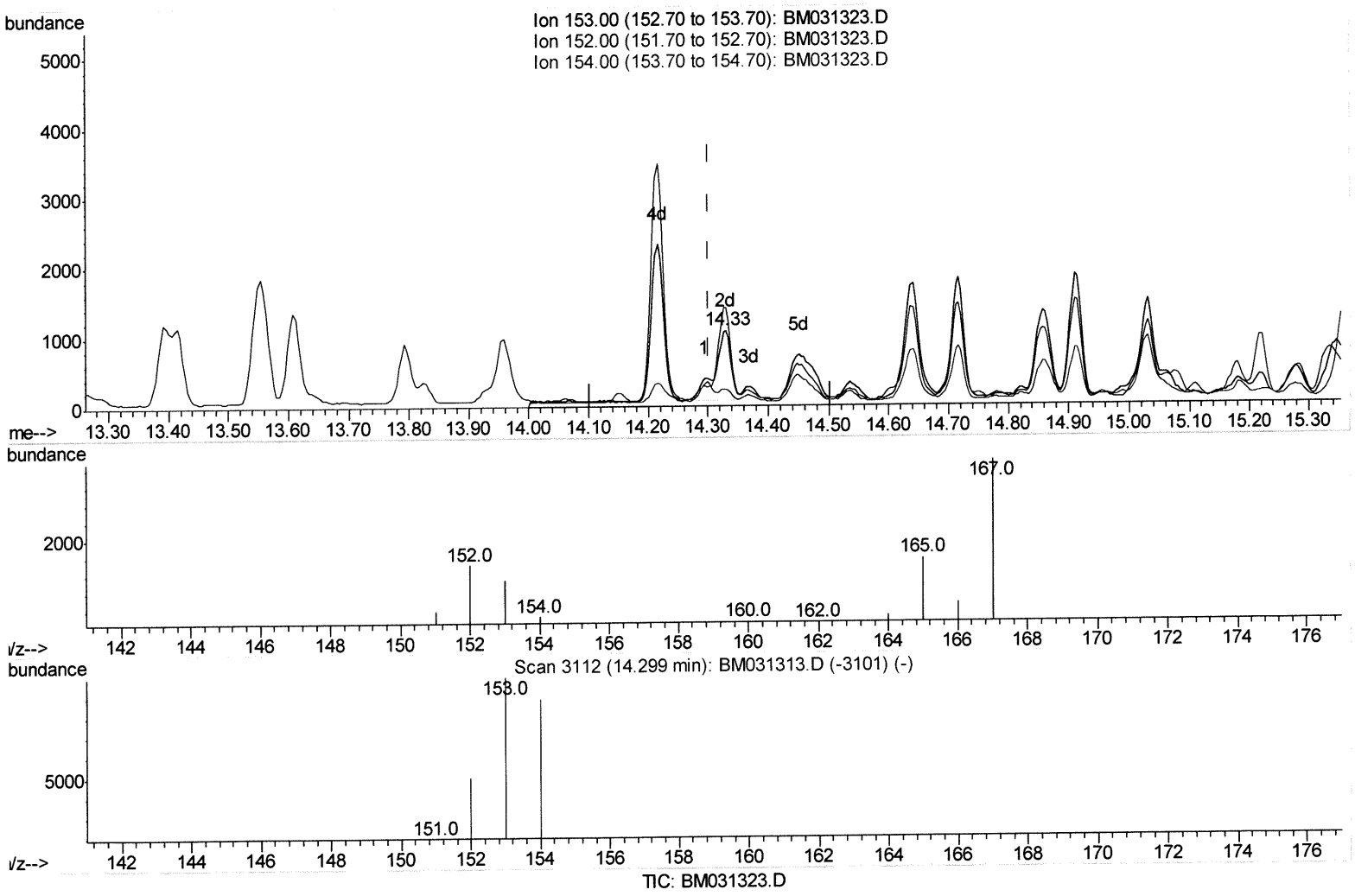

(11) Acenaphthene (C)

14.330min (+0.027) 0.10ng/ul m

response 1909

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	130.95#
154.00	87.70	21.78#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:49:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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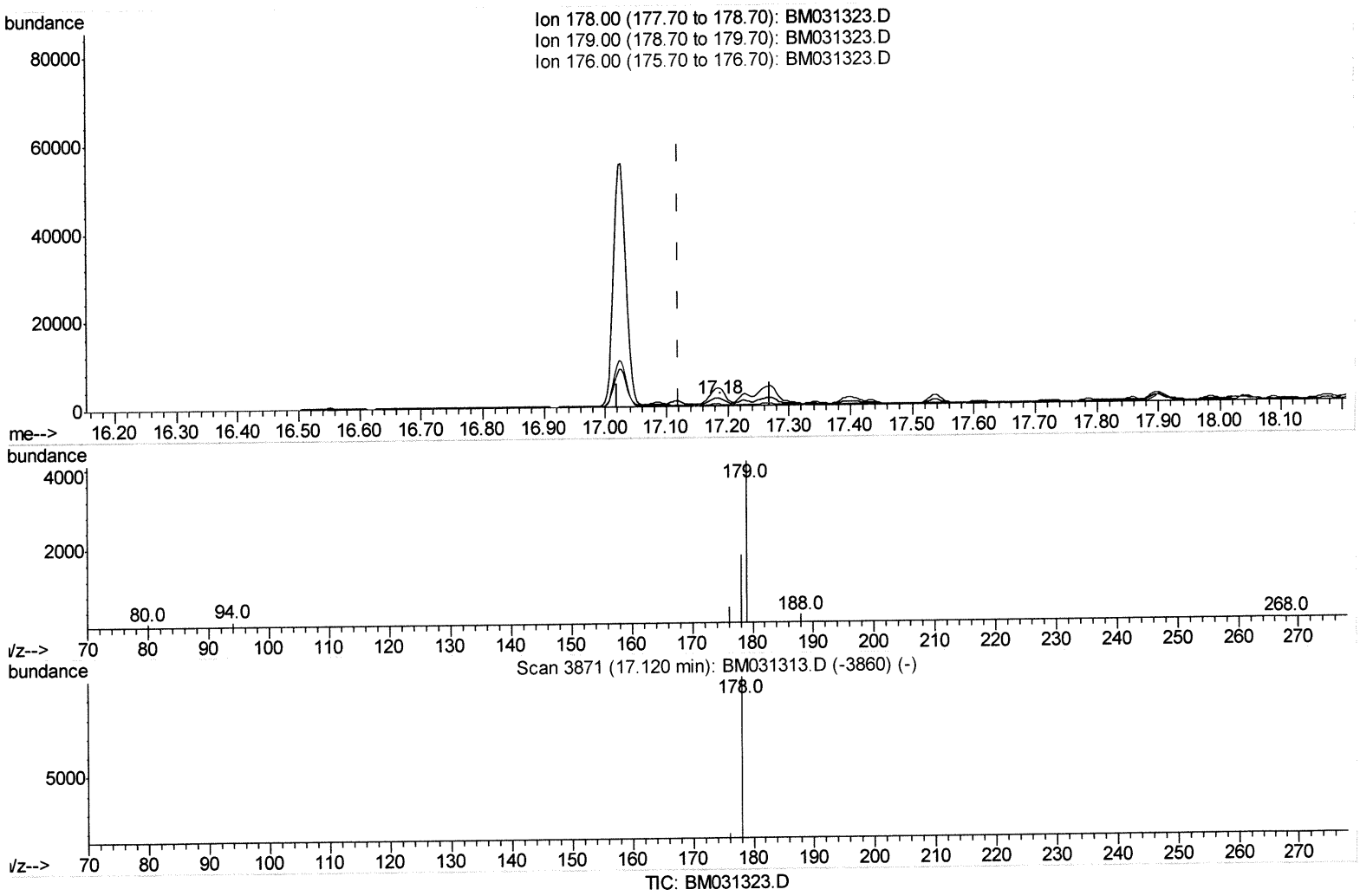

(16) Anthracene

17.183min (+0.063) 0.08ng/ul

response 2117

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	235.28#
176.00	19.50	24.56#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:49:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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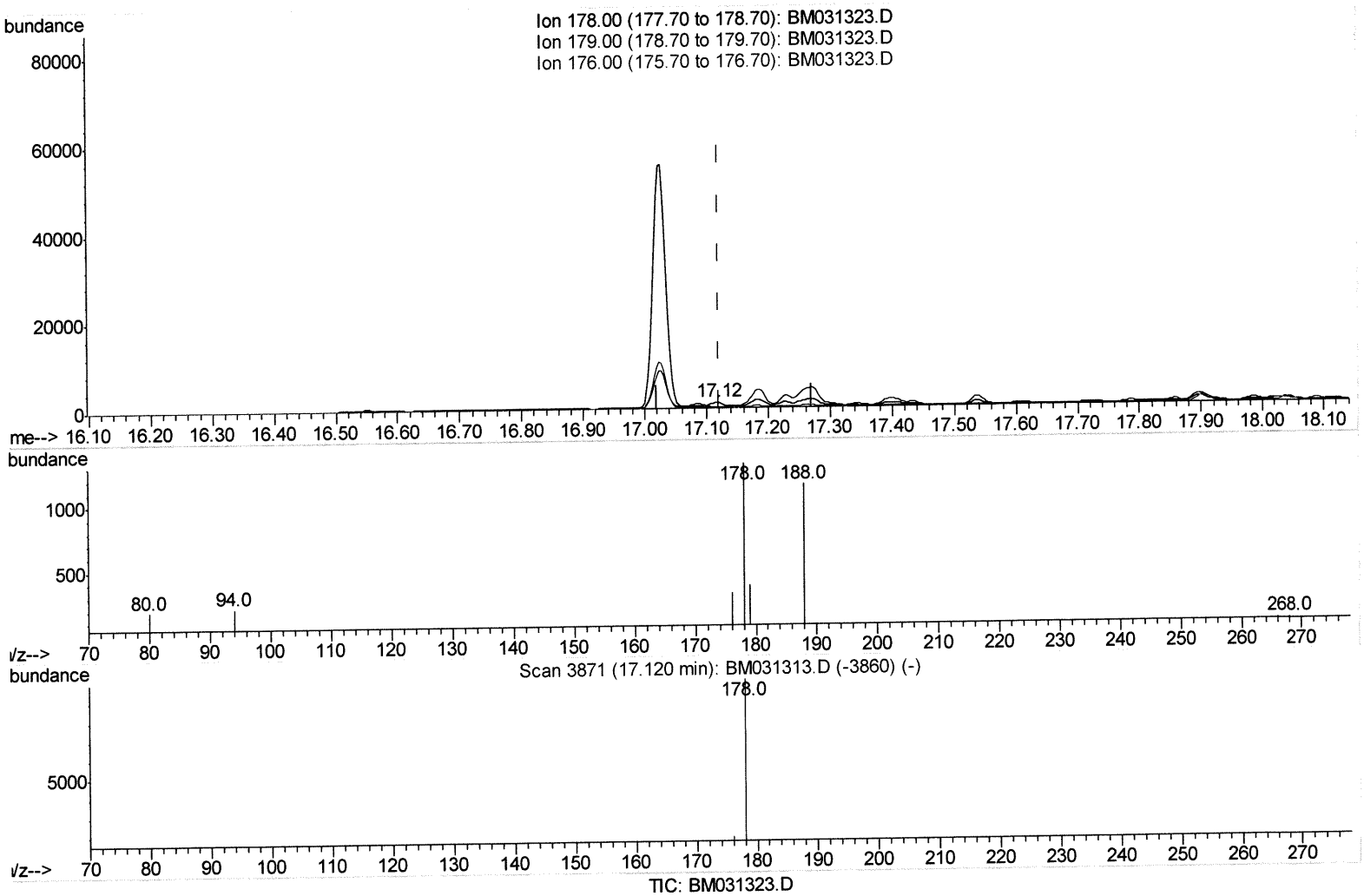

(16) Anthracene

17.117min (-0.003) 0.05ng/ul m JU 8/3/21

response 1276

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	27.30#
176.00	19.50	23.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:50:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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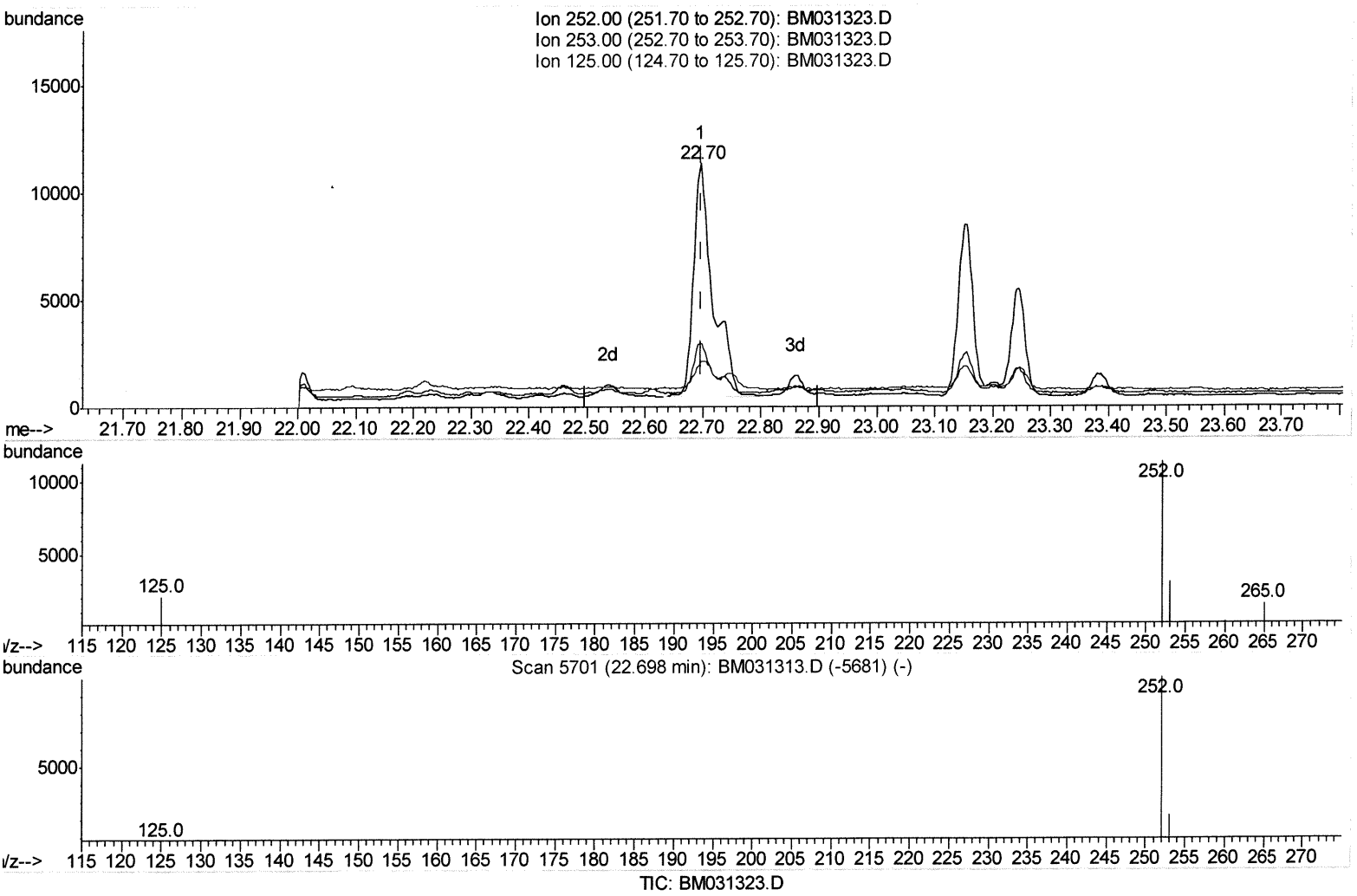

(24) Benzo(b)fluoranthene

22.696min (-0.002) 0.91ng/ul

response 25655

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	26.12
125.00	11.40	18.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:50:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
mohammad
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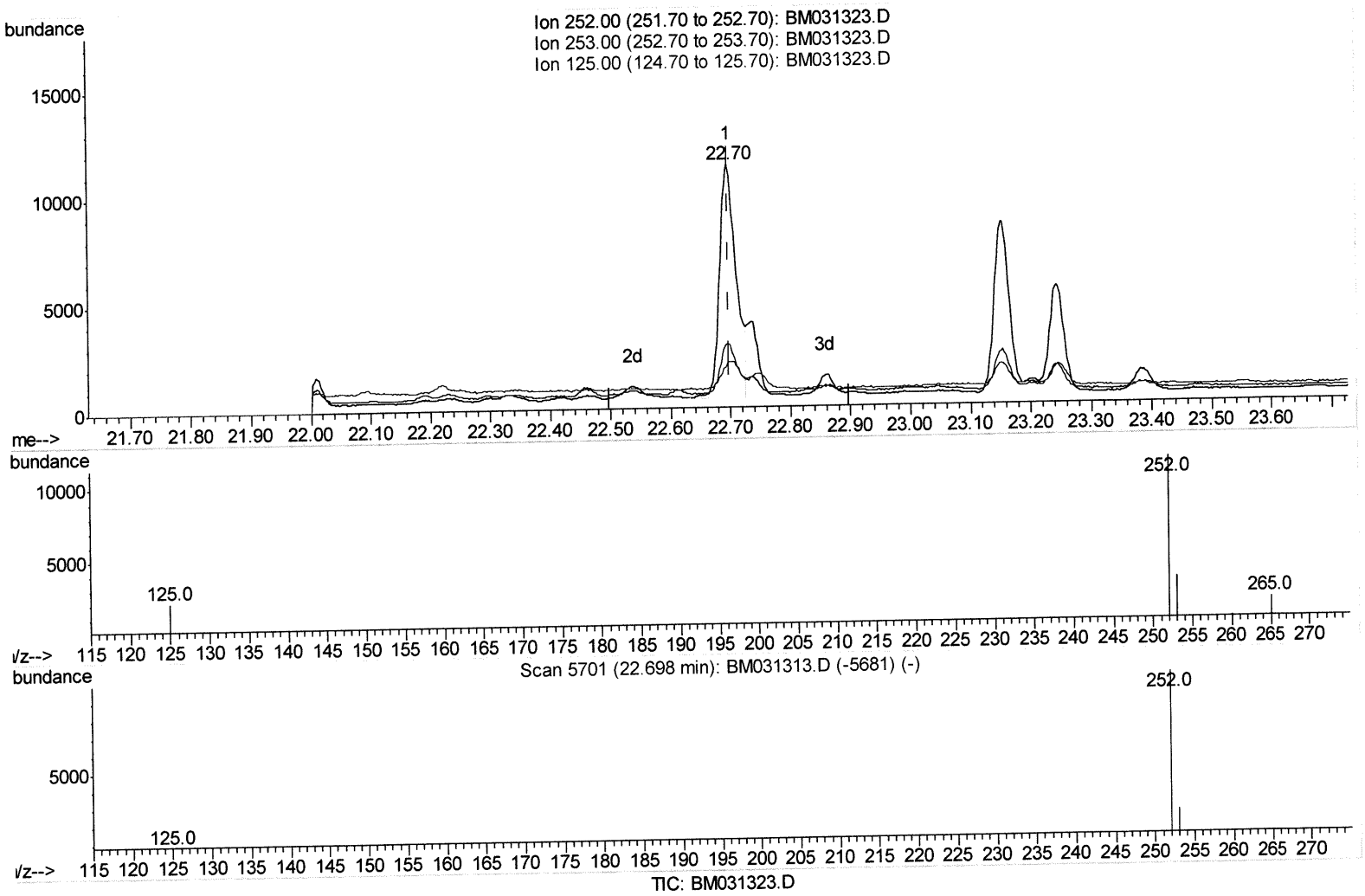


(24) Benzo(b)fluoranthene

22.696min (-0.002) 0.75ng/ul m JU 8/3/21

response 21250

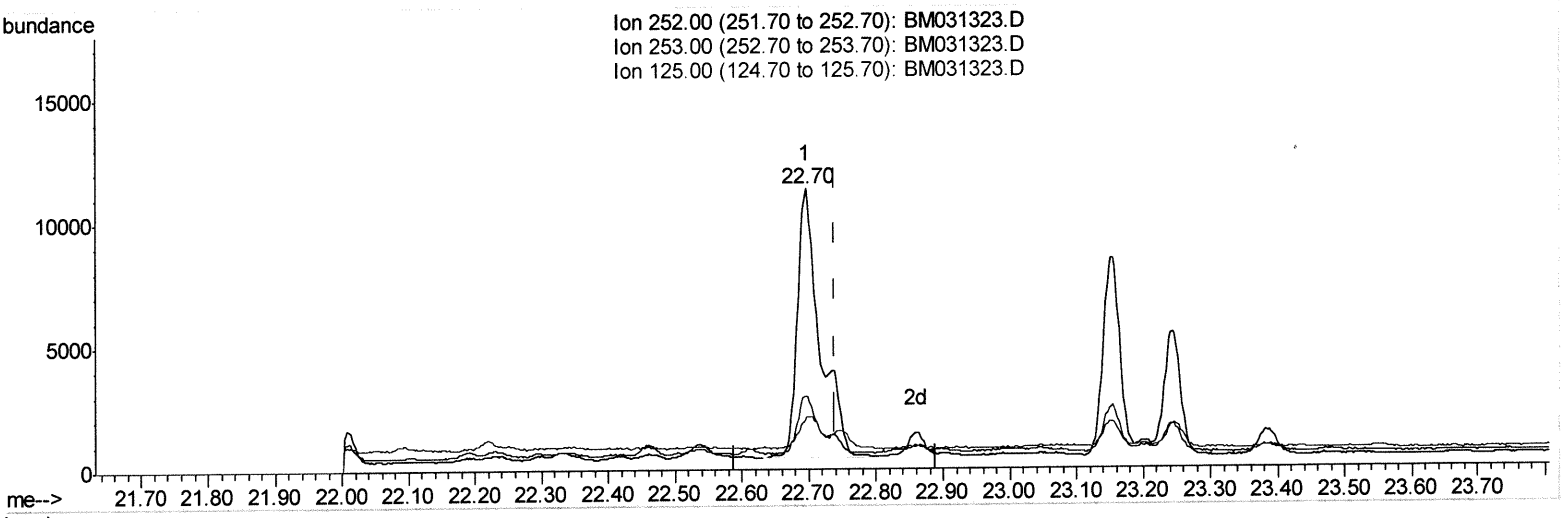
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	26.12
125.00	11.40	18.49
0.00	0.00	0.00

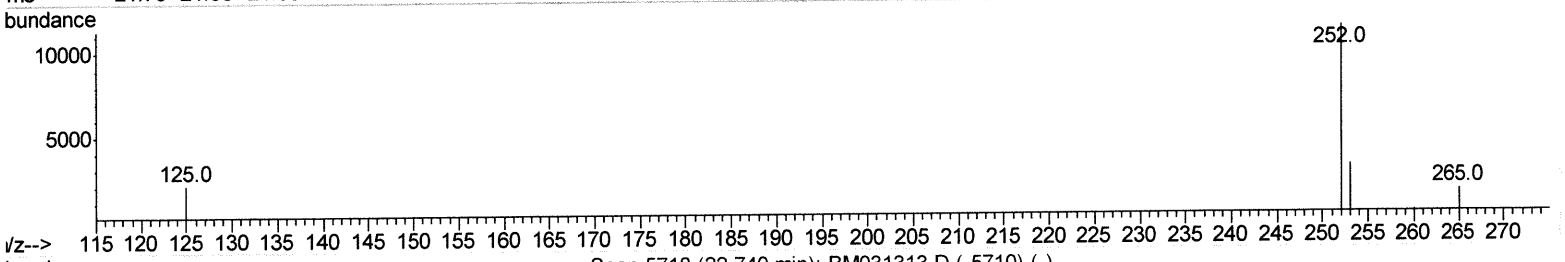
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

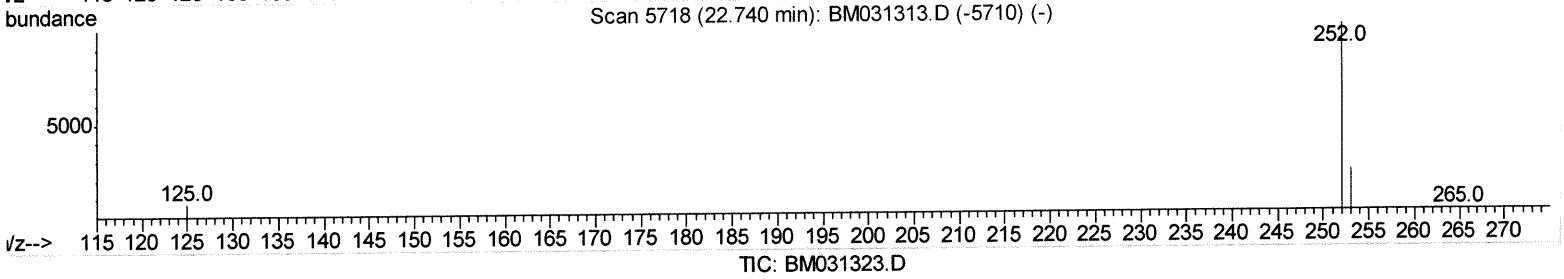
Quant Time: Aug 02 02:51:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:57 PM







(25) Benzo(k)fluoranthene

22.696min (-0.043) 0.88ng/ul

response 25655

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.12
125.00	11.00	18.49#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 02:51:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
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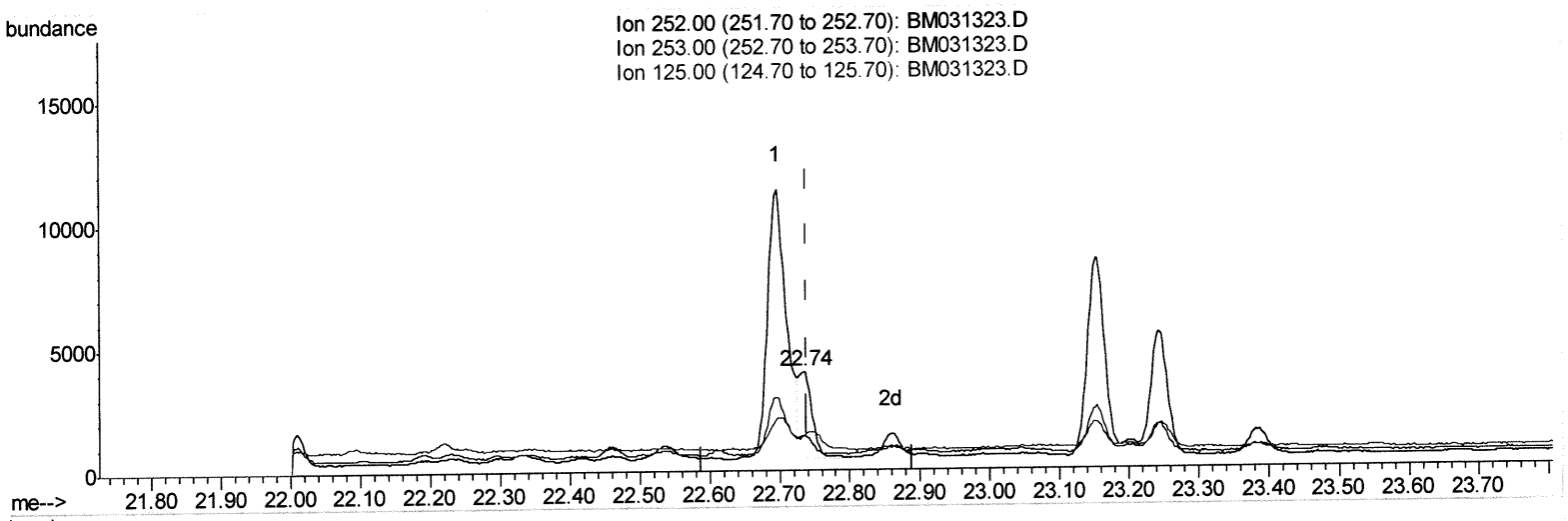
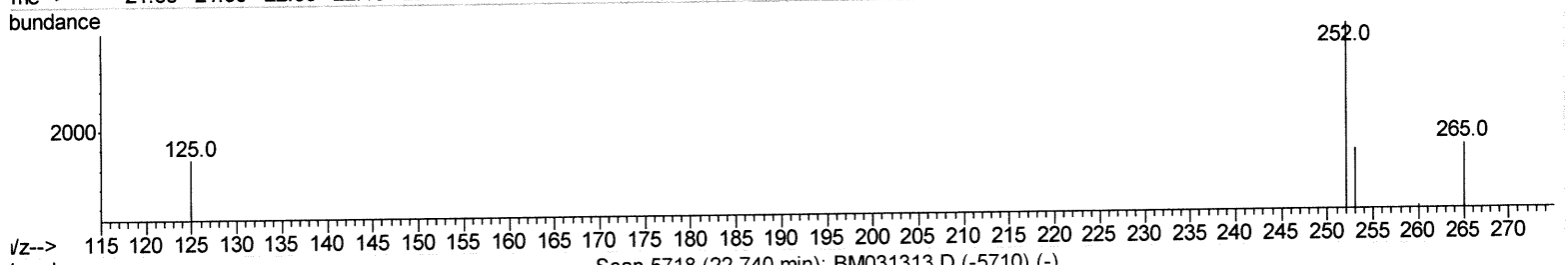
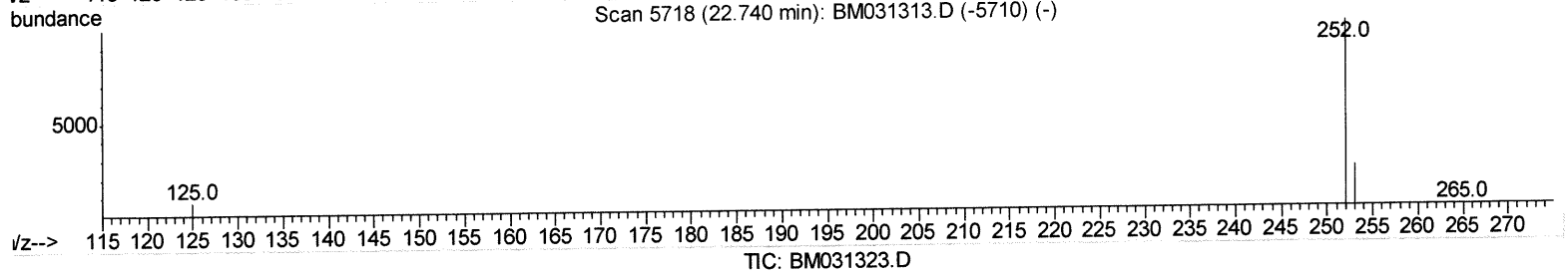
8/2/2021 3:41:57 PM





Scan 5718 (22.740 min): BM031313.D (-5710) (-)



TIC: BM031323.D

(25) Benzo(k)fluoranthene

22.735min (-0.005) 0.16ng/ul m JH 8/3/21

response 4720

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	35.23#
125.00	11.00	34.98#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031323.D
Acq On : 31 Jul 2021 21:51
Operator : CG/JU
Sample : M3091-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0056

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:57 PM

Quant Time: Aug 02 02:52:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1794	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	7185	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.23	164	5097	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.99	188	8994	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	6751	0.40	ng/ul	0.00
23) Perylene-d12	23.34	264	6279	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	3795	1.90	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	1613	0.13	ng/ul	0.00
18) Fluoranthene-d10	19.02	212	3548	0.16	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.41	128	14522	0.679	ng/ul	98
7) 2-Methylnaphthalene	12.03	142	37332	2.553	ng/ul	100
8) 1-Methylnaphthalene	12.26	142	20155	1.395	ng/ul	100
10) Acenaphthylene	13.96	152	1738	0.080	ng/ul#	79
11) Acenaphthene	14.33	153	1909m	0.104	ng/ul	JU 8/3/21
12) Fluorene	15.29	166	3514	0.167	ng/ul#	77
15) Phenanthrene	17.03	178	76588	2.682	ng/ul	97
16) Anthracene	17.12	178	1276m	0.048	ng/ul	JU 8/3/21
19) Fluoranthene	19.05	202	25886	0.898	ng/ul#	94
20) Pyrene	19.41	202	22382	0.765	ng/ul#	93
21) Benzo(a)anthracene	21.16	228	9156	0.336	ng/ul#	71
22) Chrysene	21.21	228	36376	1.290	ng/ul#	93
24) Benzo(b)fluoranthene	22.70	252	21250m	0.751	ng/ul	JU 8/3/21
25) Benzo(k)fluoranthene	22.74	252	4720m	0.161	ng/ul	
26) Benzo(a)pyrene	23.24	252	8511	0.344	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.48	276	6833	0.213	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.49	278	3006	0.116	ng/ul#	36
29) Benzo(g,h,i)perylene	26.13	276	7462	0.273	ng/ul#	88

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