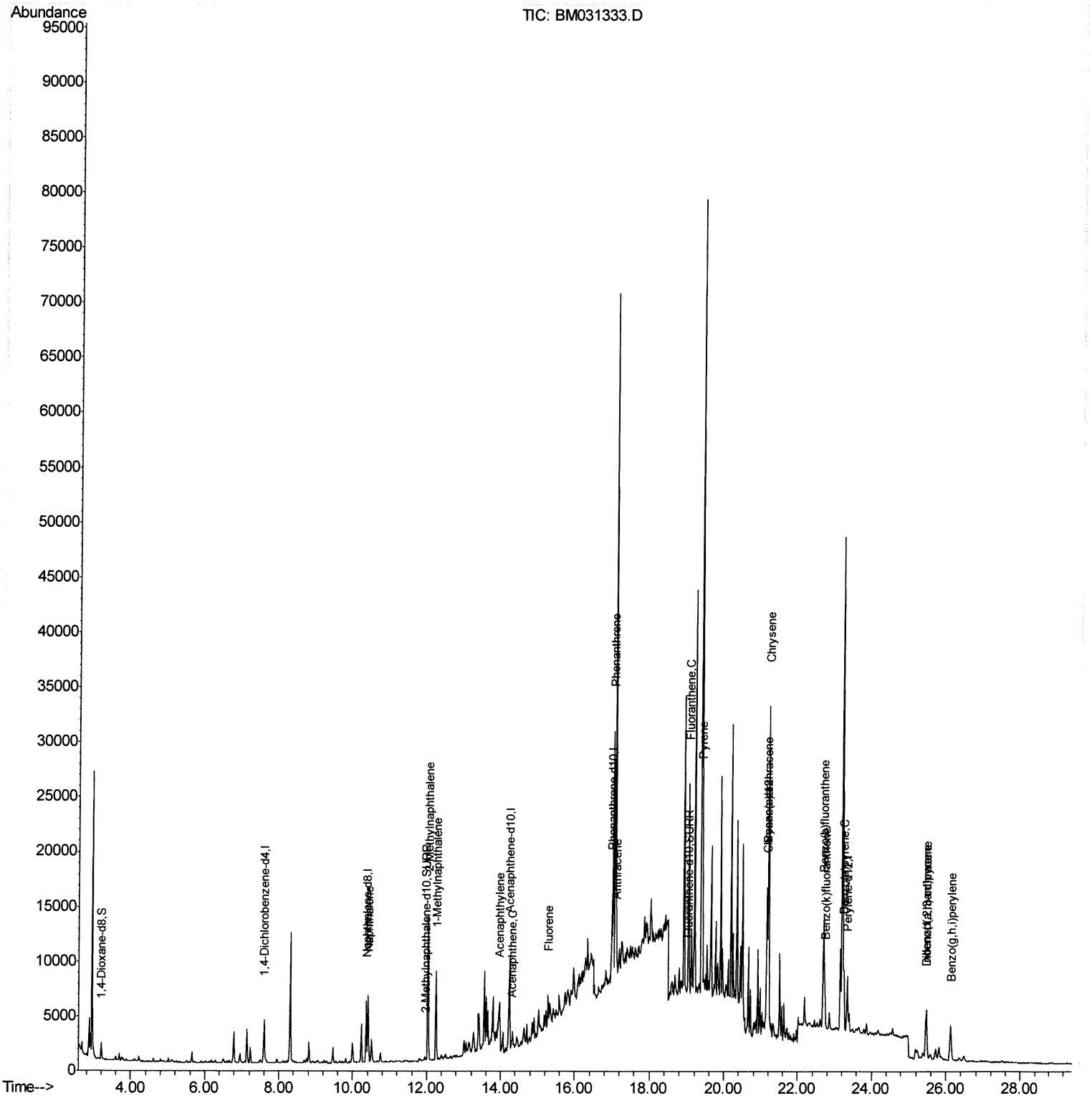
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:39:41 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 :
C0048DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:36:49 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
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Instrument :
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Manual Integrations APPROVED
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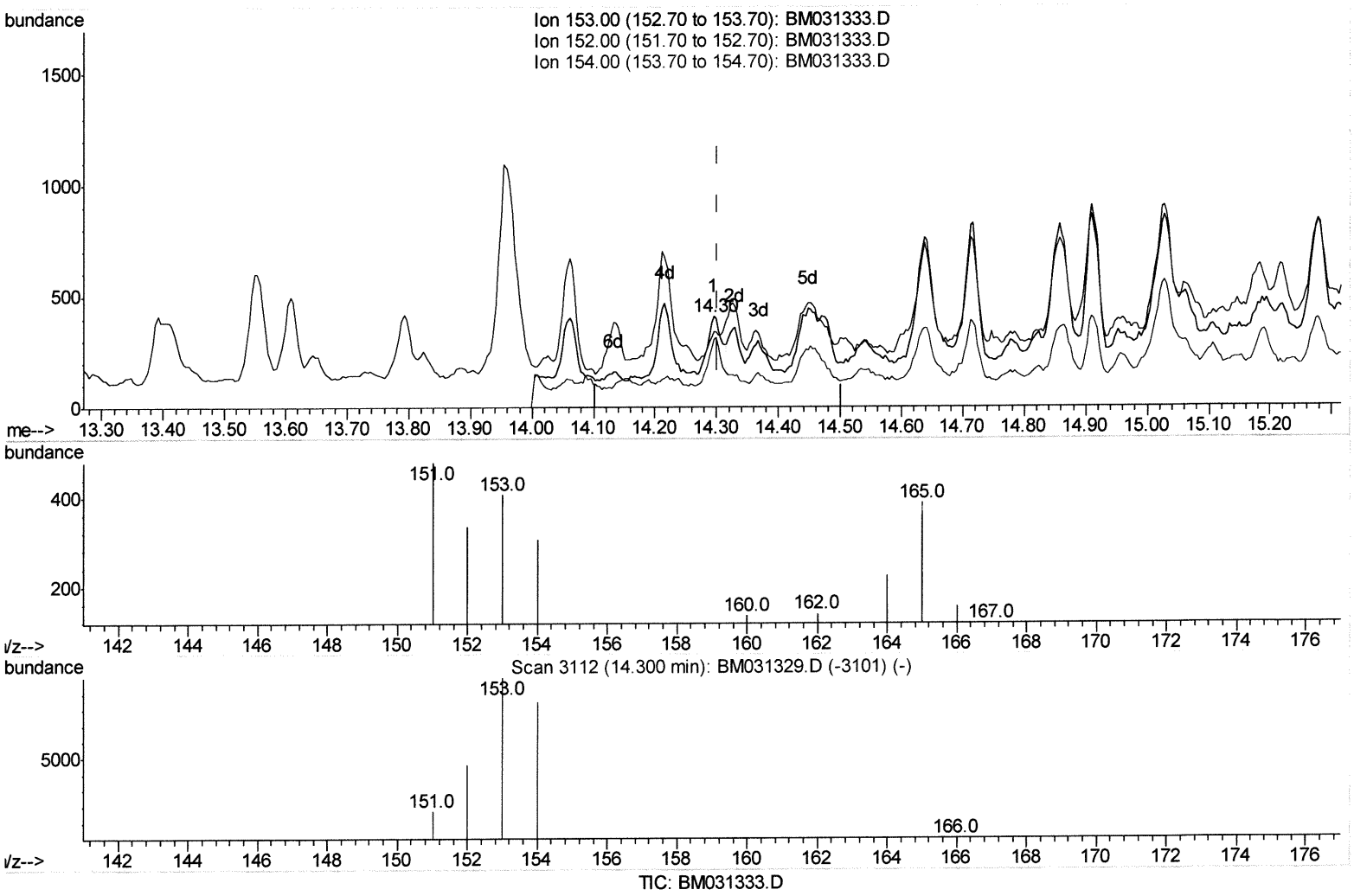

(11) Acenaphthene (C)

14.296min (-0.007) 0.03ng/ul

response 411

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	82.56#
154.00	87.70	75.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
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Quant Time: Aug 02 03:36:49 2021
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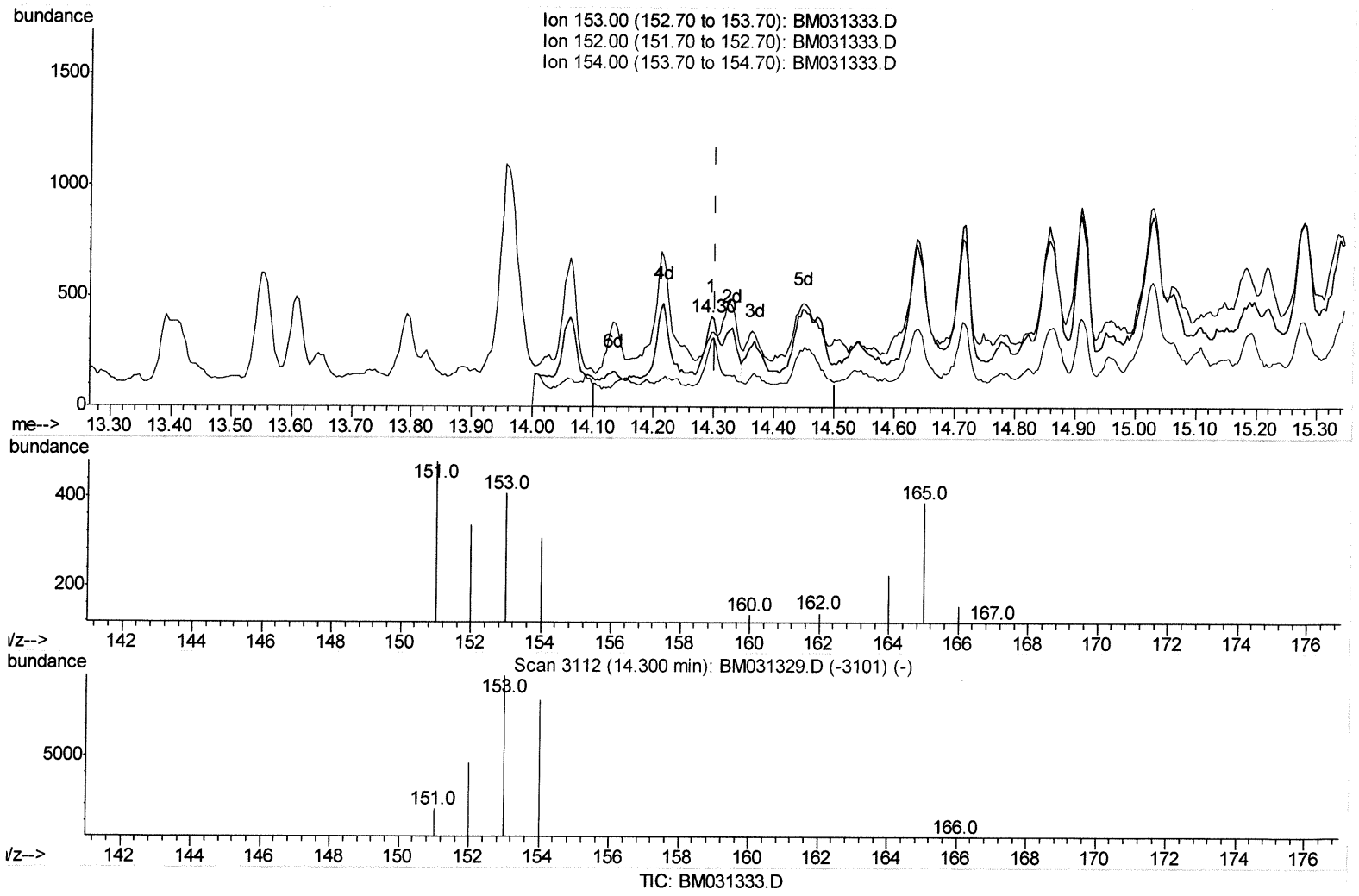
Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM



TIC: BM031333.D

(11) Acenaphthene (C)

14.296min (-0.007) 0.04ng/ul m

JU 8/3/21

response 722

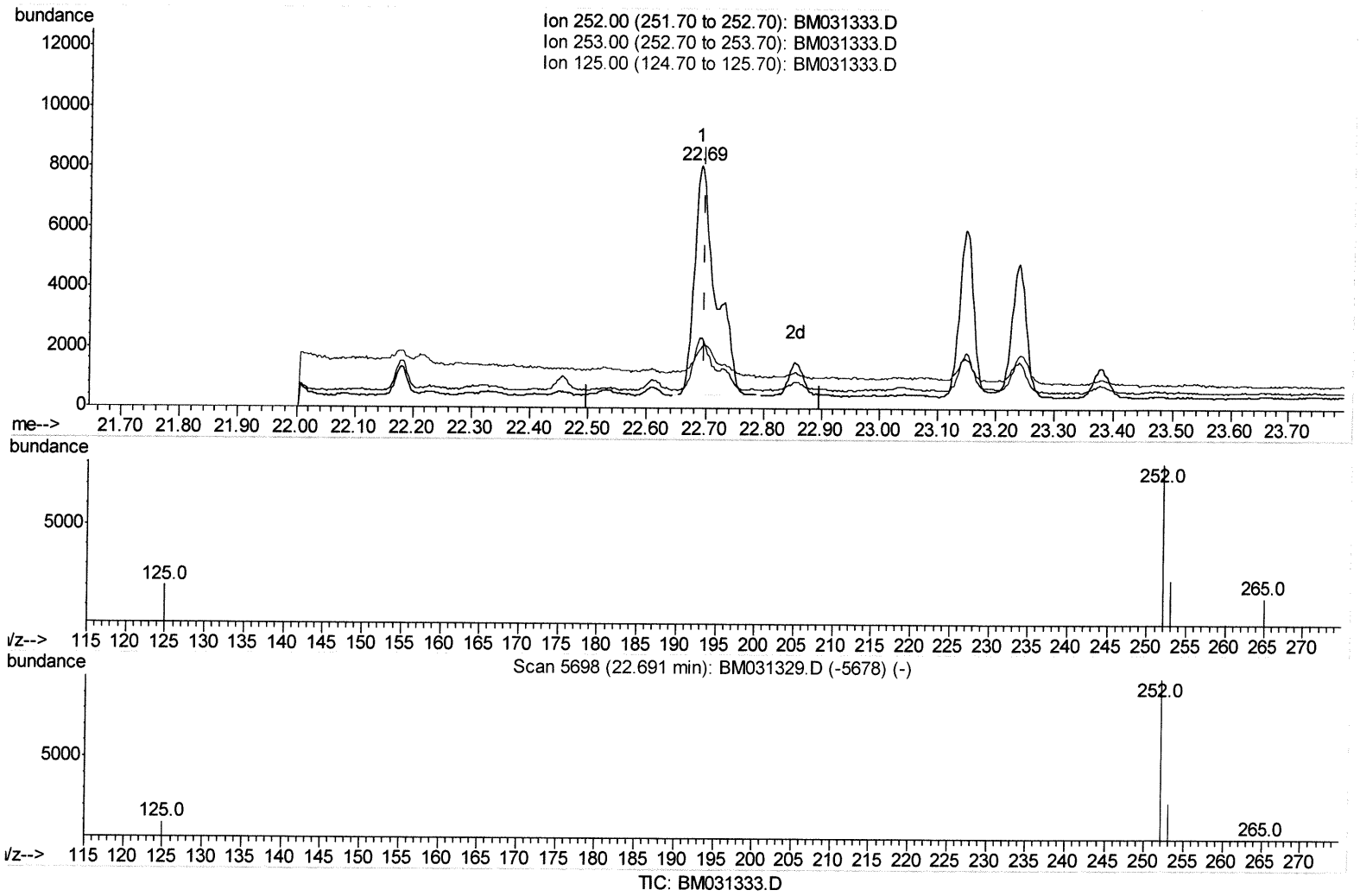
Ion	Exp%	Act%
153.00	100	100
152.00	50.90	82.56#
154.00	87.70	75.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:37:49 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 :
C0048DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM



TIC: BM031333.D

(24) Benzo(b)fluoranthene

22.691min (-0.007) 0.73ng/ul

response 19796

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	28.74
125.00	11.40	24.46#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:37:49 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
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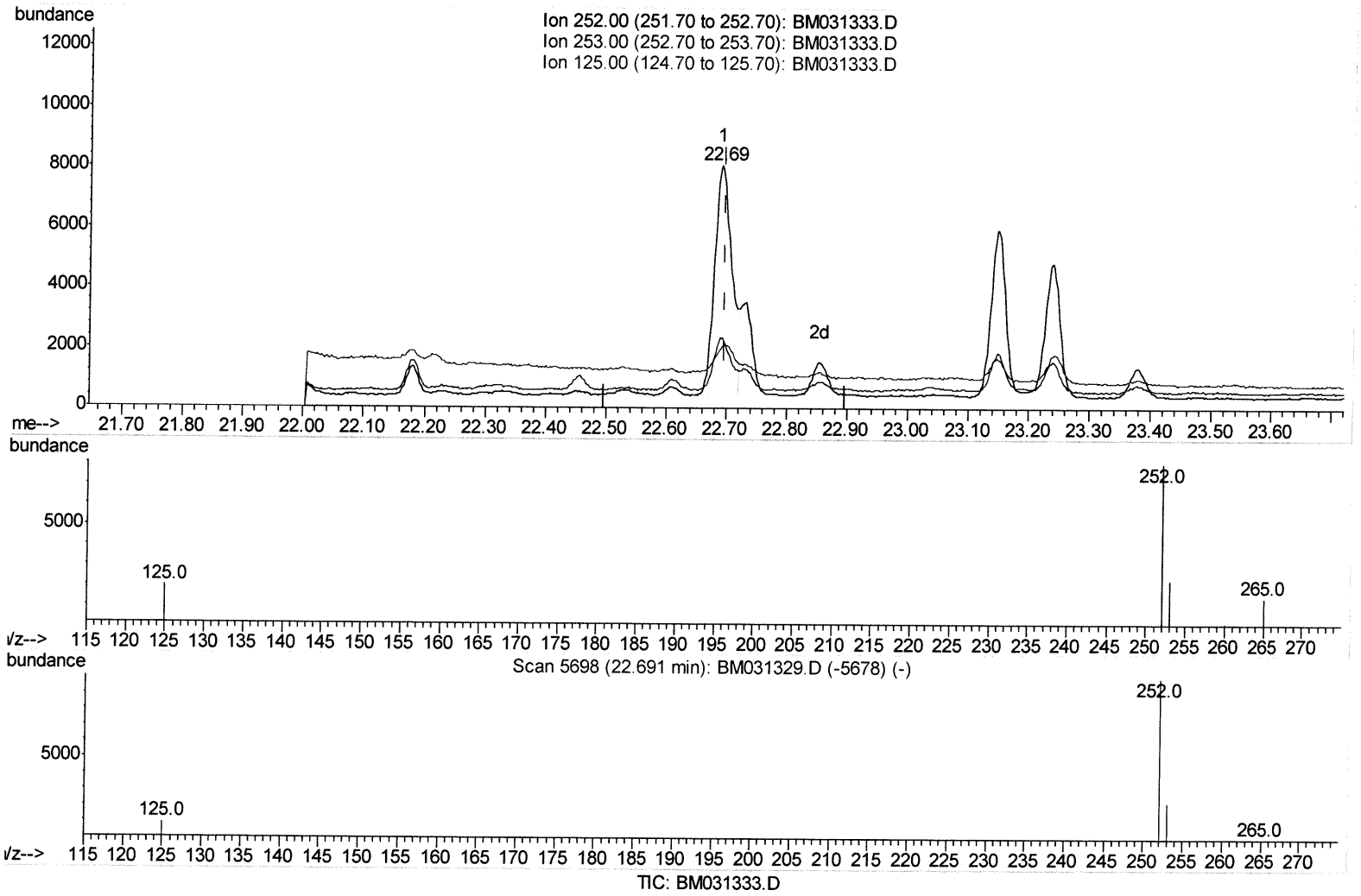
Instrument :
BNA_M
ClientSampleId :
C0048DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM



(24) Benzo(b)fluoranthene

22.691min (-0.007) 0.57ng/ul m JU 8/3/21

response 15508

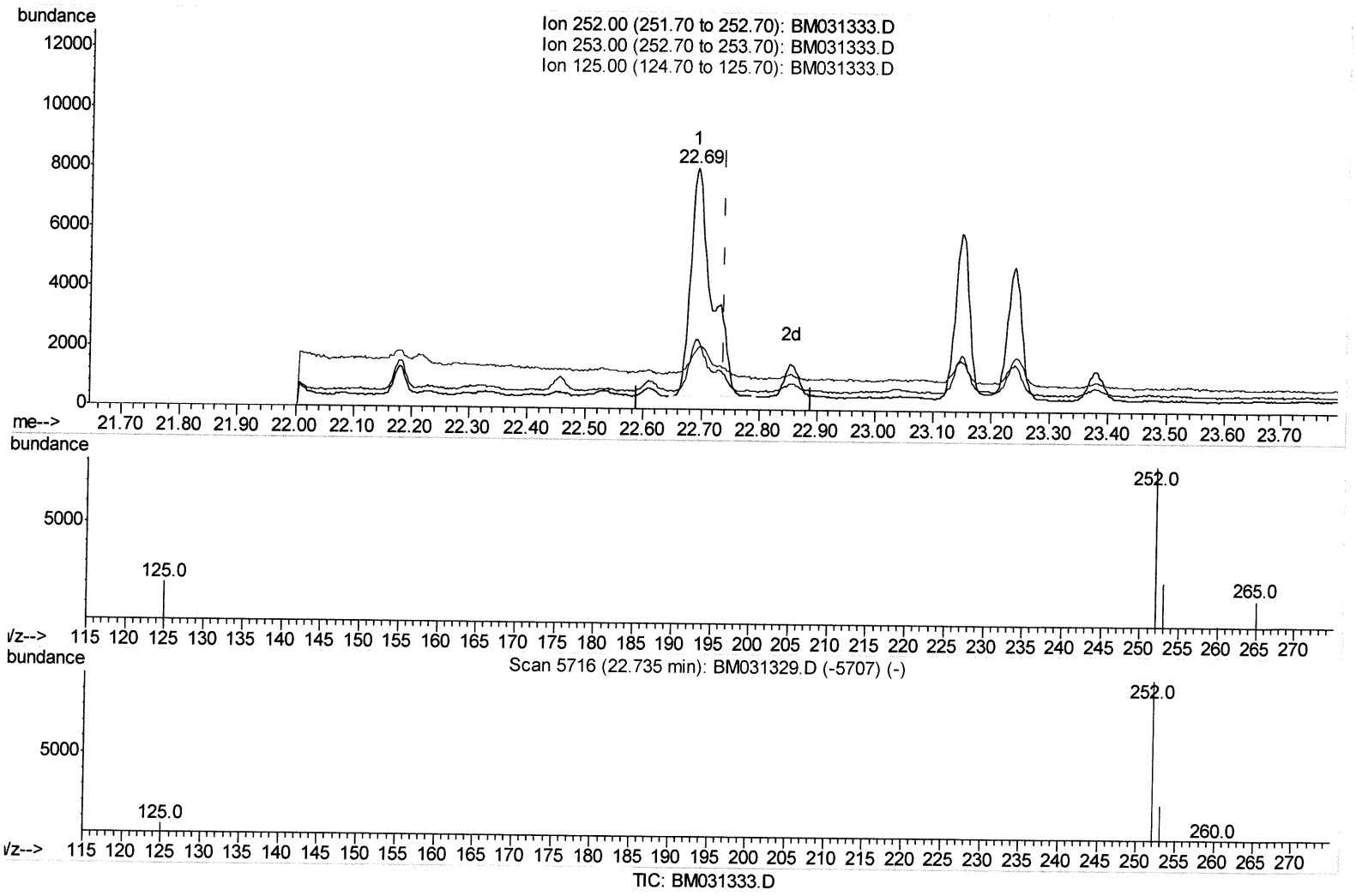
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	28.74
125.00	11.40	24.46#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:38:57 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 :
C0048DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM



(25) Benzo(k)fluoranthene

22.691min (-0.048) 0.71ng/ul

response 19796

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.74
125.00	11.00	24.46#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 03:38:57 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 :
C0048DL

Manual Integrations APPROVED
mohammad
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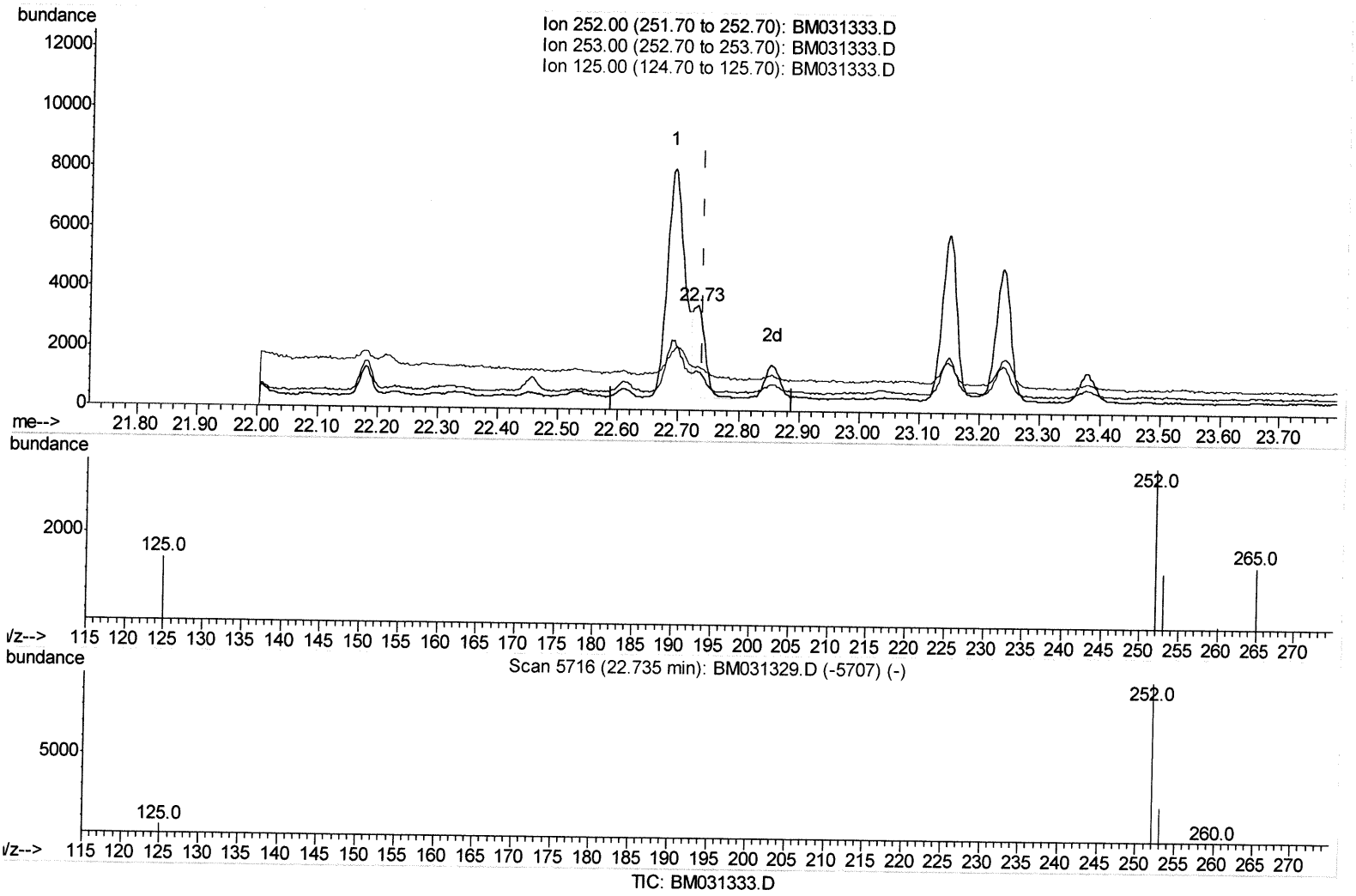

(25) Benzo(k)fluoranthene

22.733min (-0.007) 0.16ng/ul m JU 8/3/21

response 4459

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	36.71#
125.00	11.00	41.64#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031333.D
Acq On : 01 Aug 2021 04:39
Operator : CG/JU
Sample : M3091-10DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0048DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:26 PM

Quant Time: Aug 02 03:39:41 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	1883	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	7182	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.23	164	4512	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.99	188	8766	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	6374	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	6030	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	1055	0.50	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	452	0.04	ng/ul	0.00
18) Fluoranthene-d10	19.02	212	915	0.04	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.41	128	8015	0.375	ng/ul	98
7) 2-Methylnaphthalene	12.03	142	9196	0.629	ng/ul	99
8) 1-Methylnaphthalene	12.26	142	5508	0.381	ng/ul	99
10) Acenaphthylene	13.95	152	1908	0.099	ng/ul#	34
11) Acenaphthene	14.30	153	722m	0.045	ng/ul	98
12) Fluorene	15.29	166	1174	0.063	ng/ul#	35
15) Phenanthrene	17.02	178	24218	0.870	ng/ul#	88
16) Anthracene	17.12	178	2517	0.097	ng/ul#	22
19) Fluoranthene	19.05	202	16443	0.604	ng/ul#	92
20) Pyrene	19.41	202	15288	0.554	ng/ul#	92
21) Benzo(a)anthracene	21.16	228	8819	0.343	ng/ul#	80
22) Chrysene	21.21	228	17569	0.660	ng/ul#	82
24) Benzo(b)fluoranthene	22.69	252	15508m	0.571	ng/ul	98
25) Benzo(k)fluoranthene	22.73	252	4459m	0.159	ng/ul	98
26) Benzo(a)pyrene	23.24	252	7866	0.331	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.47	276	6509	0.212	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.48	278	2268	0.091	ng/ul#	43
29) Benzo(g,h,i)perylene	26.13	276	6684	0.255	ng/ul#	88

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