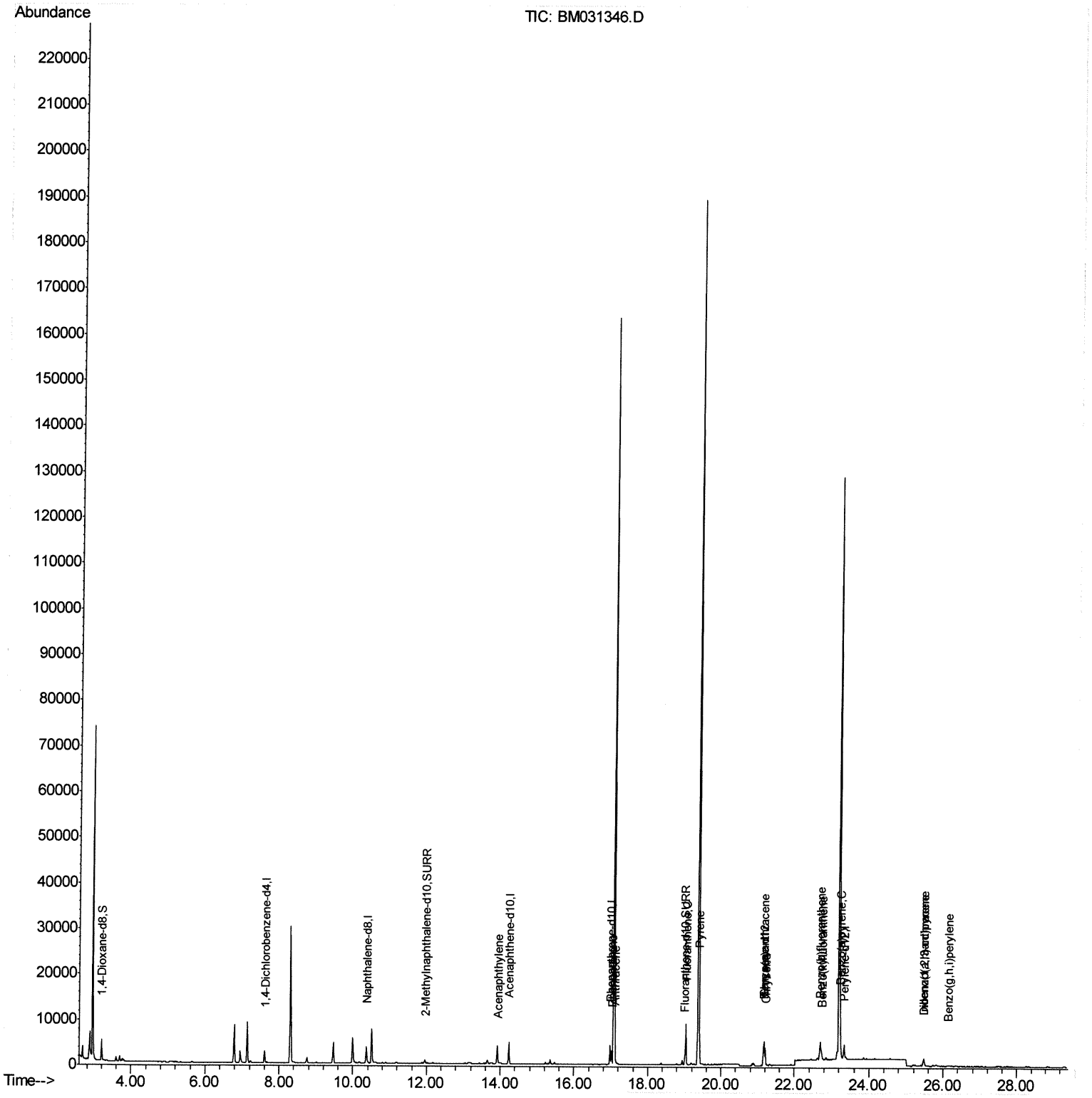
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 05:18:17 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 :
BGD14

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:10 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 01:16:39 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 :
BGD14

Manual Integrations APPROVED
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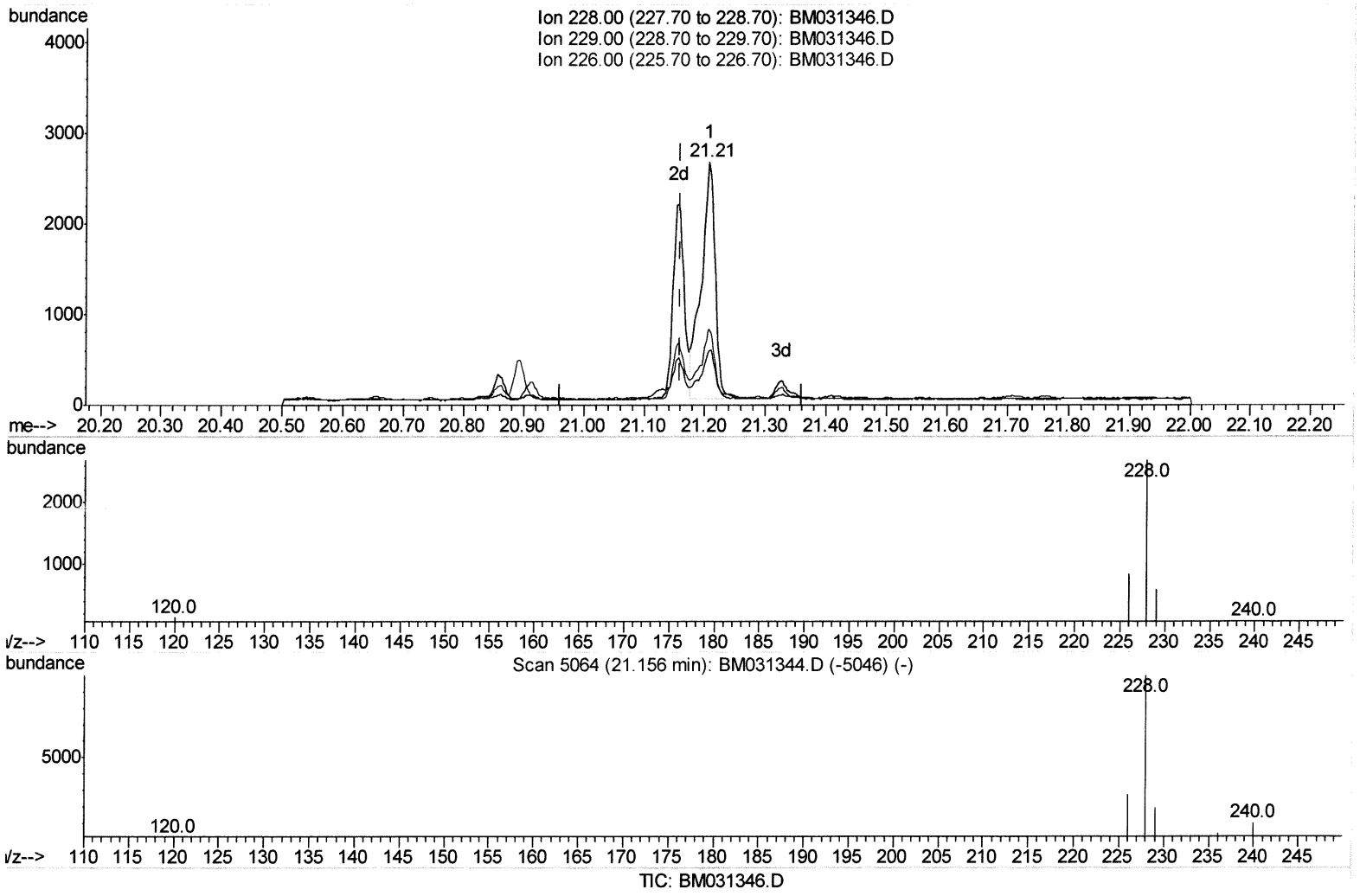

TIC: BM031346.D

(21) Benzo(a)anthracene

21.207min (+0.046) 0.27ng/ul

response 4171

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	22.39
226.00	27.10	31.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 01:16:39 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 :
BGD14

Manual Integrations APPROVED
mohammad
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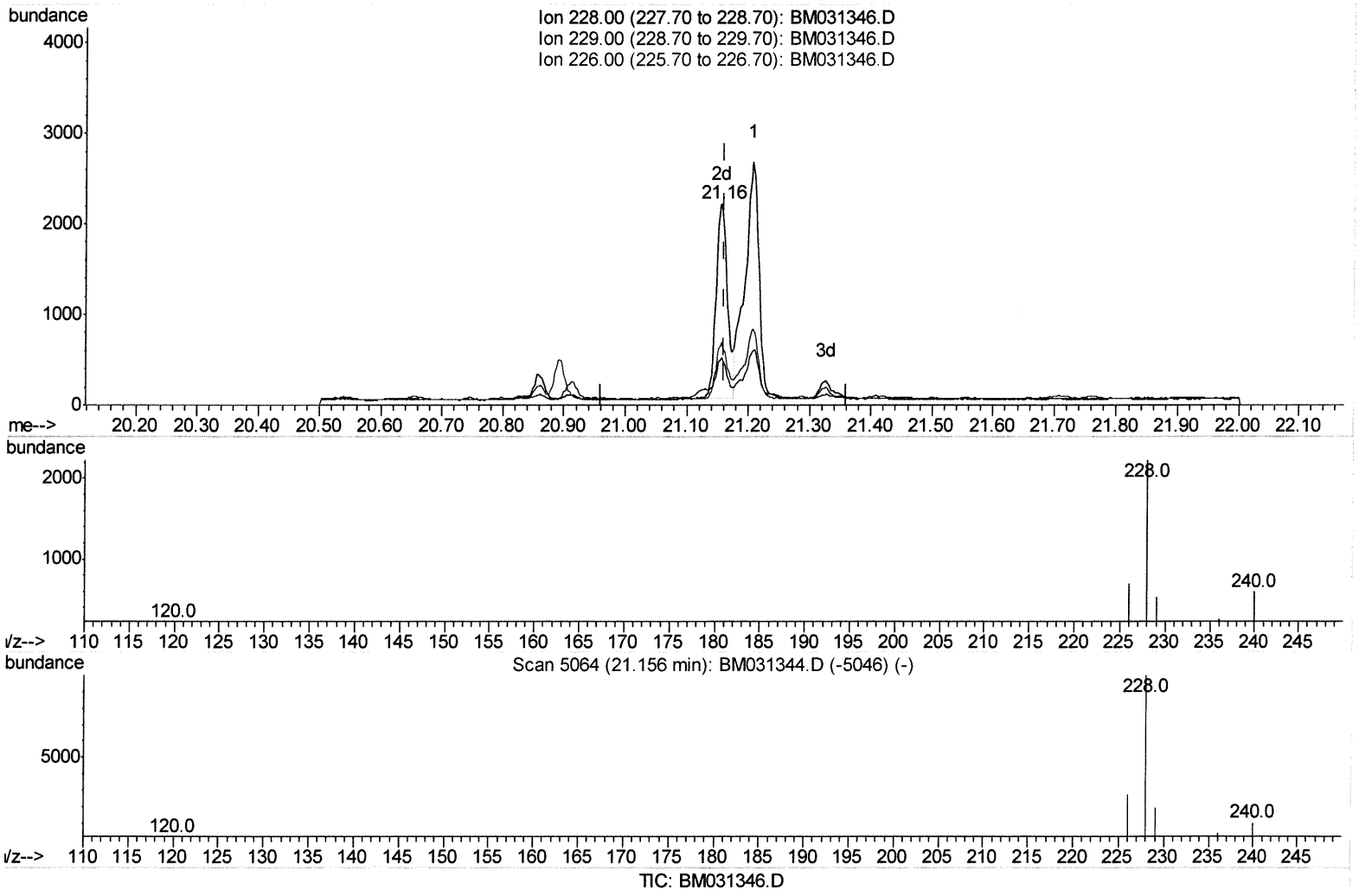


TIC: BM031346.D

(21) Benzo(a)anthracene

21.156min (-0.004) 0.18ng/ul m JG 8/3/21

response 2809

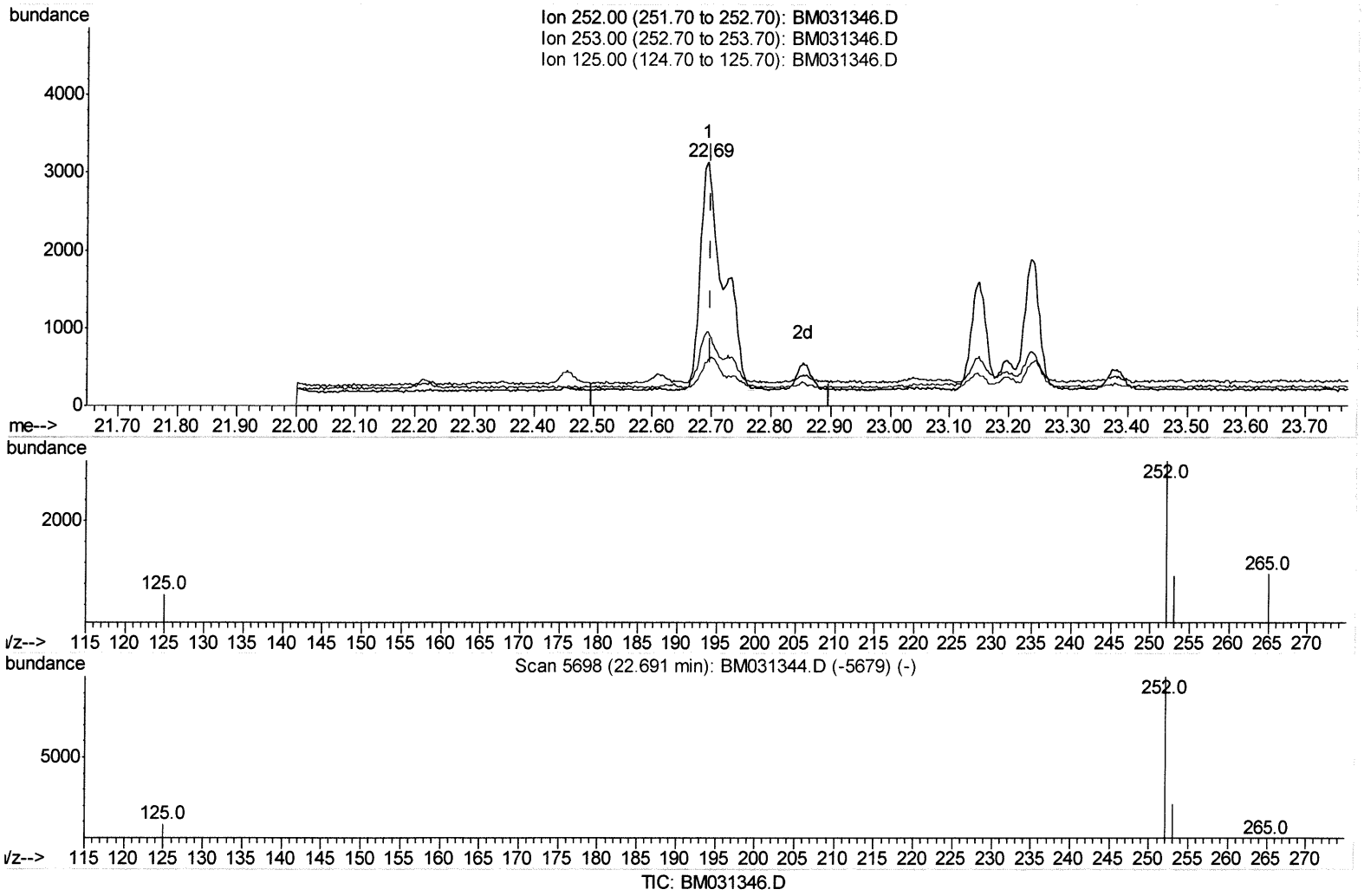
Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.67#
226.00	27.10	31.05
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 05:16:26 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 :
BGD14

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:10 PM



TIC: BM031346.D

(24) Benzo(b)fluoranthene

22.694min (-0.004) 0.45ng/ul

response 8045

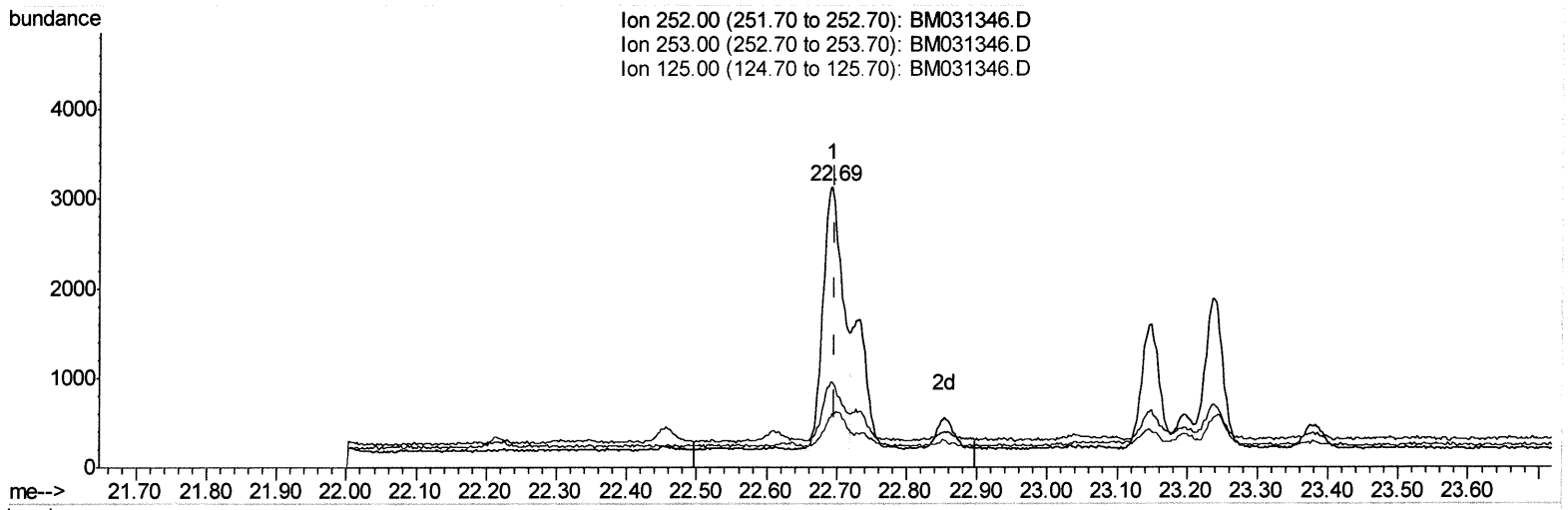
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	30.32
125.00	11.40	18.96
0.00	0.00	0.00

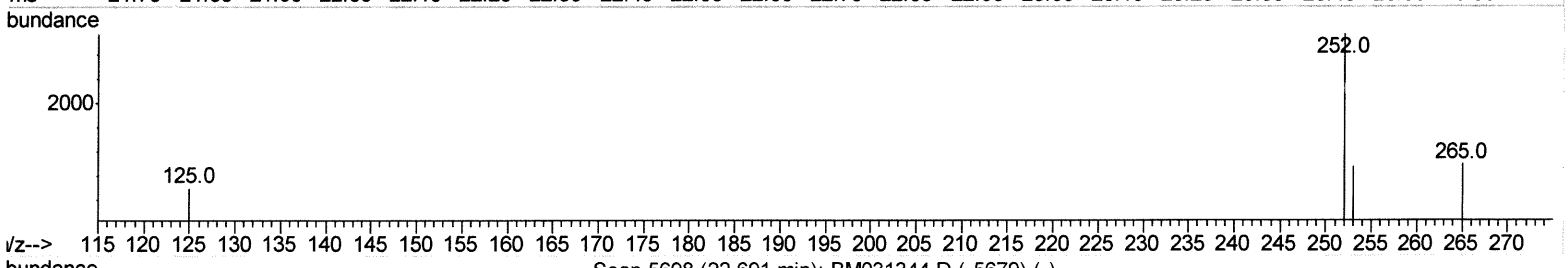
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

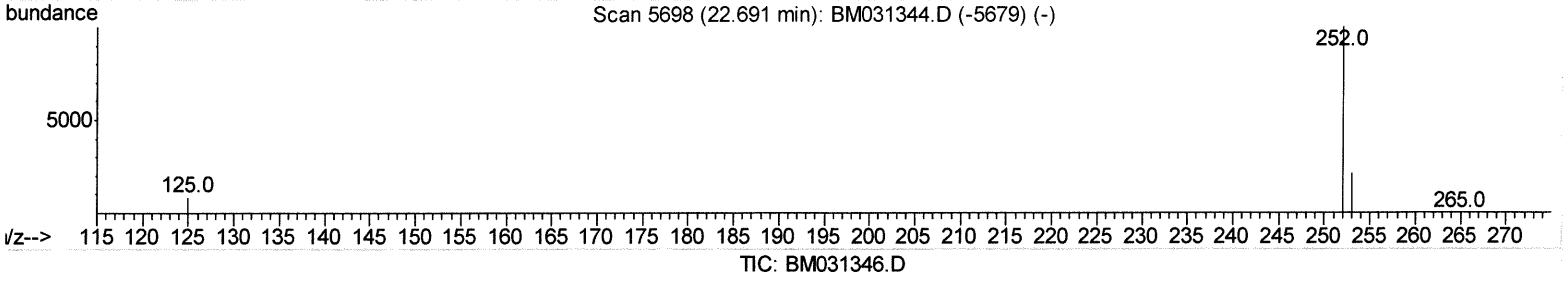
Quant Time: Aug 02 05:16:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD14

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:10 PM







TIC: BM031346.D

(24) Benzo(b)fluoranthene

22.694min (-0.004) 0.33ng/ul m JC 8/3/21

response 5836

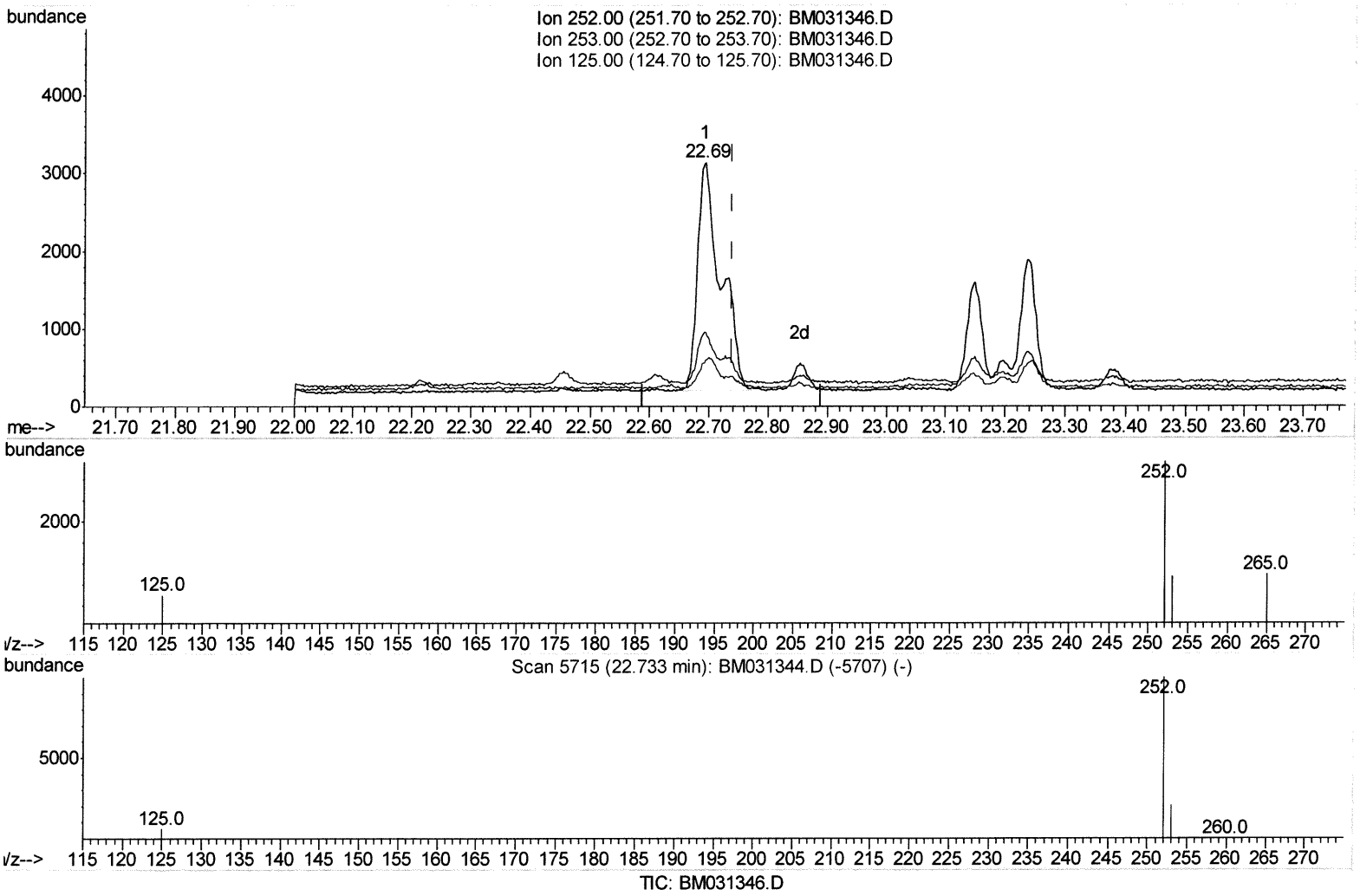
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	30.32
125.00	11.40	18.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 05:17:20 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 :
BGD14

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:10 PM



TIC: BM031346.D

(25) Benzo(k)fluoranthene

22.694min (-0.046) 0.44ng/ul

response 8045

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	30.32
125.00	11.00	18.96#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Aug 02 05:17:20 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 :
BGD14

Manual Integrations APPROVED
mohammad
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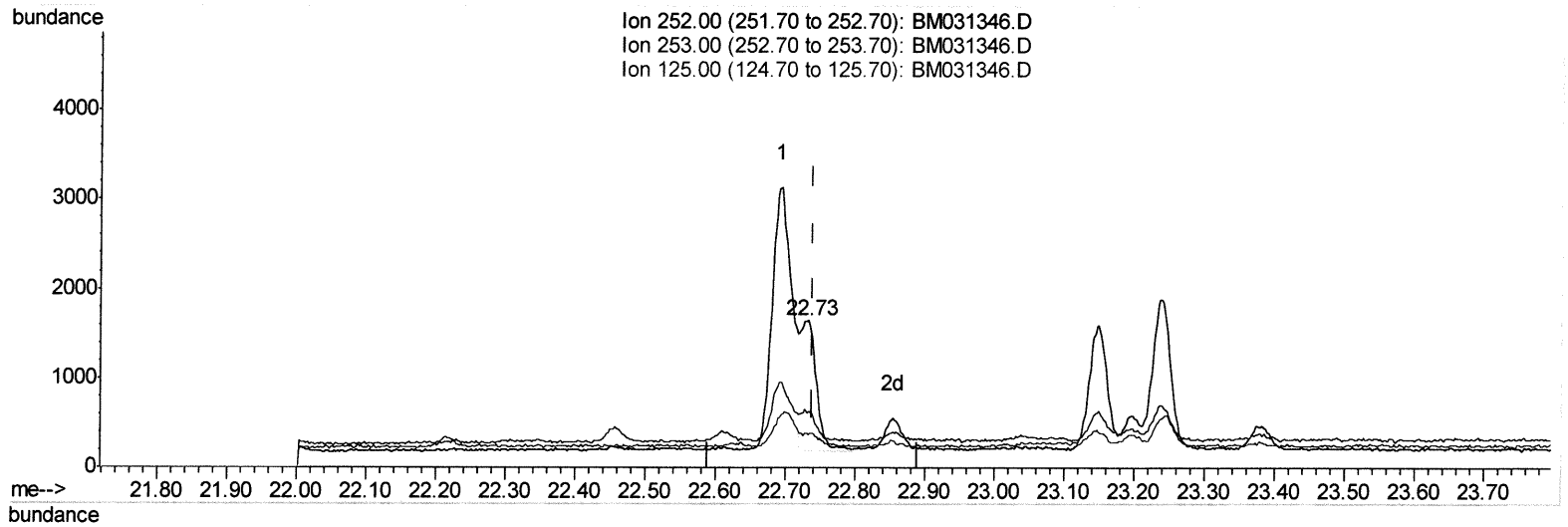

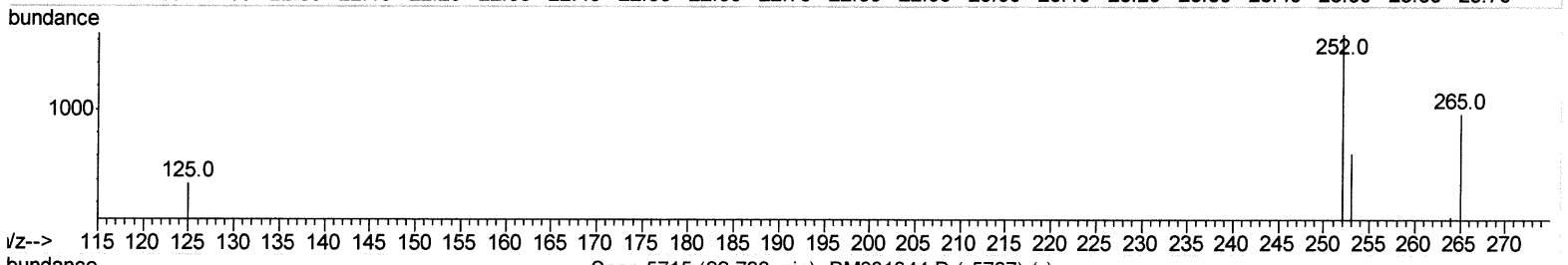

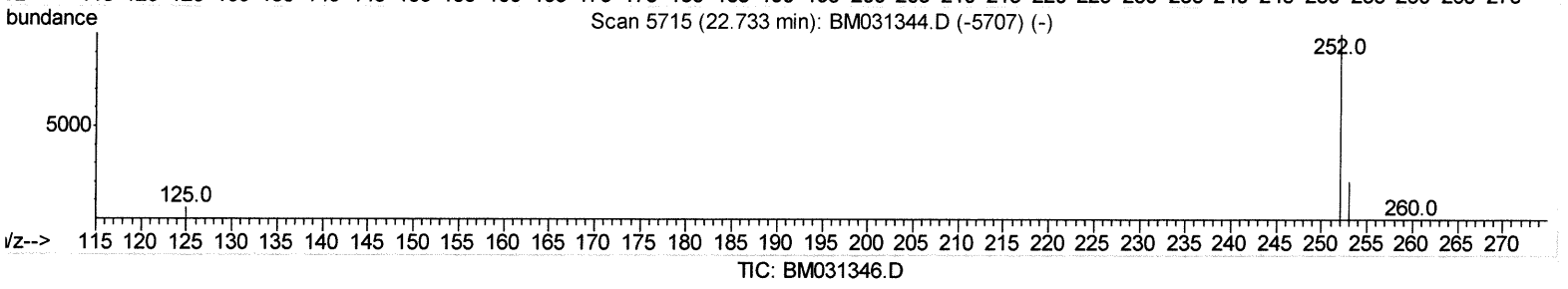

TIC: BM031346.D

(25) Benzo(k)fluoranthene

22.733min (-0.007) 0.13ng/ul m JR 8/3/21

response 2335

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	37.73#
125.00	11.00	22.11#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031346.D
Acq On : 01 Aug 2021 13:08
Operator : CG/JU
Sample : M3107-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGD14

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:10 PM

Quant Time: Aug 02 05:18:17 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	1231	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	4596	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.24	164	2714	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.98	188	5148	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	3866	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	3934	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	2906	2.13	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	1039	0.13	ng/ul	0.00
18) Fluoranthene-d10	19.01	212	2123	0.16	ng/ul	0.00
Target Compounds						Qvalue
10) Acenaphthylene	13.95	152	252	0.022	ng/ul#	51
15) Phenanthrene	17.02	178	3124	0.191	ng/ul	98
16) Anthracene	17.11	178	530	0.035	ng/ul#	75
19) Fluoranthene	19.04	202	7843	0.475	ng/ul#	96
20) Pyrene	19.41	202	6848	0.409	ng/ul	97
21) Benzo(a)anthracene	21.16	228	2809m	0.180	ng/ul	
22) Chrysene	21.21	228	4171	0.258	ng/ul	98
24) Benzo(b)fluoranthene	22.69	252	5836m	0.329	ng/ul	
25) Benzo(k)fluoranthene	22.73	252	2335m	0.128	ng/ul	
26) Benzo(a)pyrene	23.24	252	3010	0.194	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.48	276	2462	0.123	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.48	278	682	0.042	ng/ul#	24
29) Benzo(g,h,i)perylene	26.12	276	393	0.023	ng/ul#	35

JU 8/3/21

JU 8/3/21

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