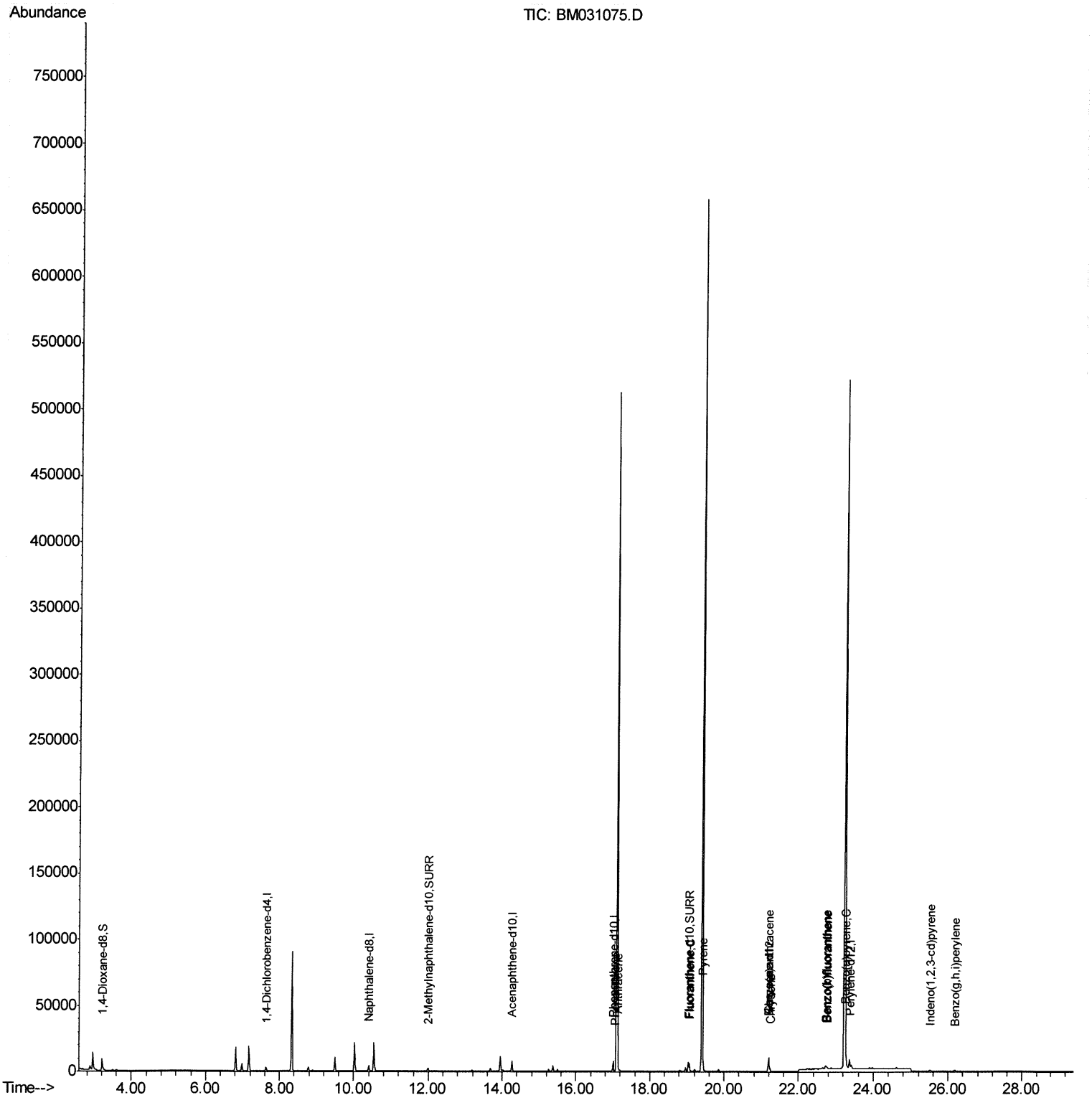
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:23:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:10 AM

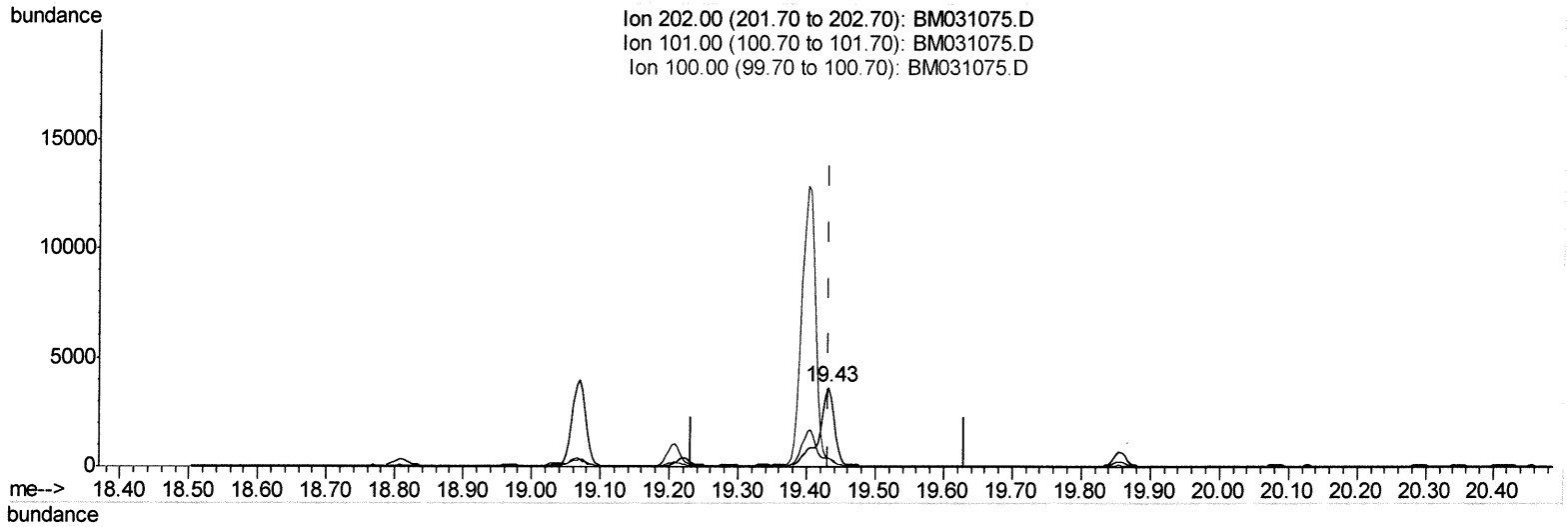


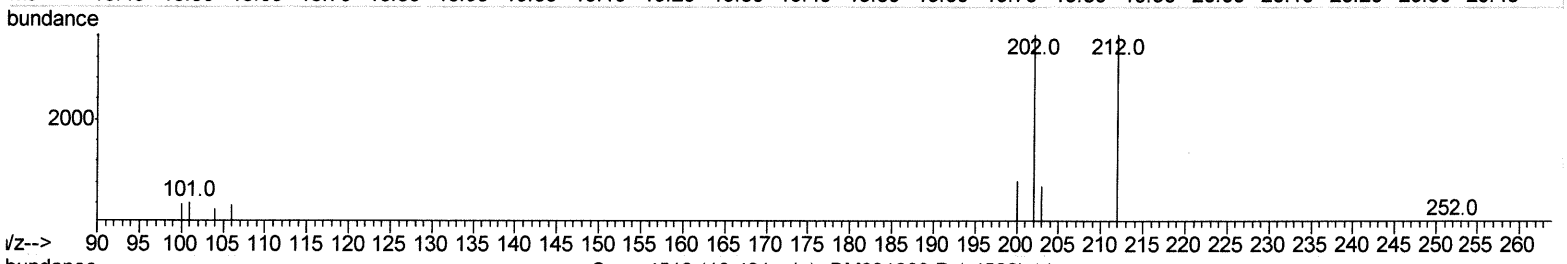
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

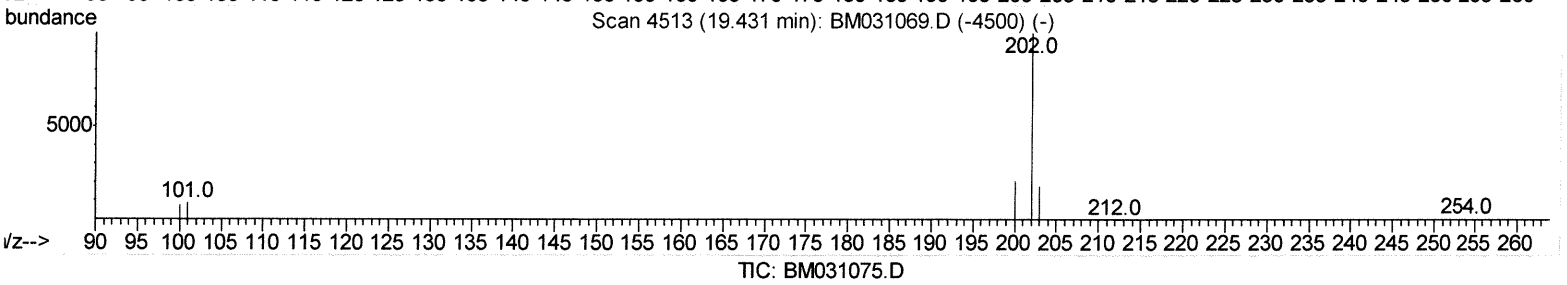
Quant Time: Jul 23 01:08:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:10 AM







(20) Pyrene

19.432min (+0.000) 0.17ng/ul

response 5690

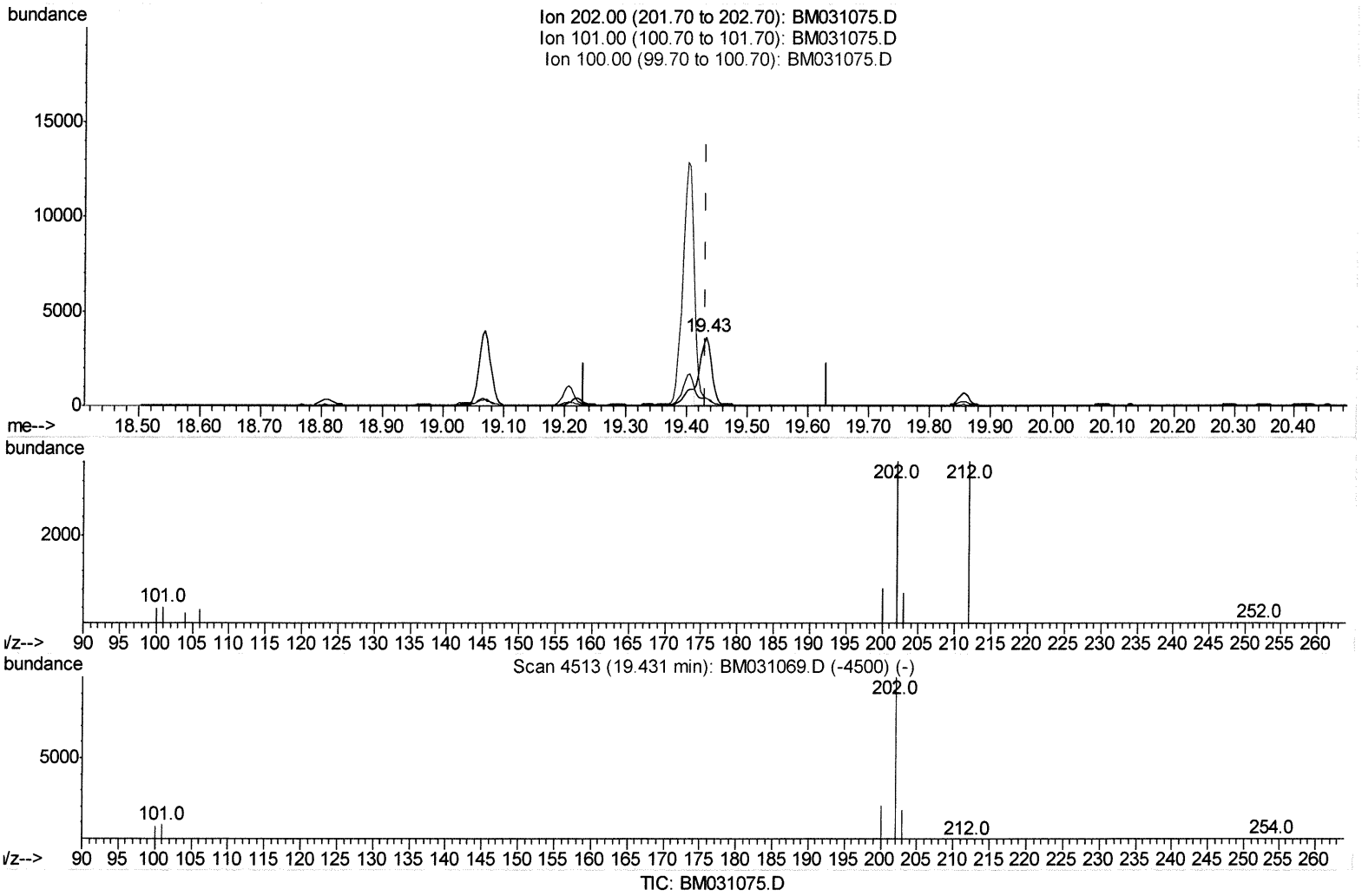
Ion	Exp%	Act%
202.00	100	100
101.00	9.20	11.11#
100.00	7.50	10.56#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:08:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:10 AM



(20) Pyrene

19.432min (+0.000) 0.14ng/ul m 07/26/21 JU

response 4680

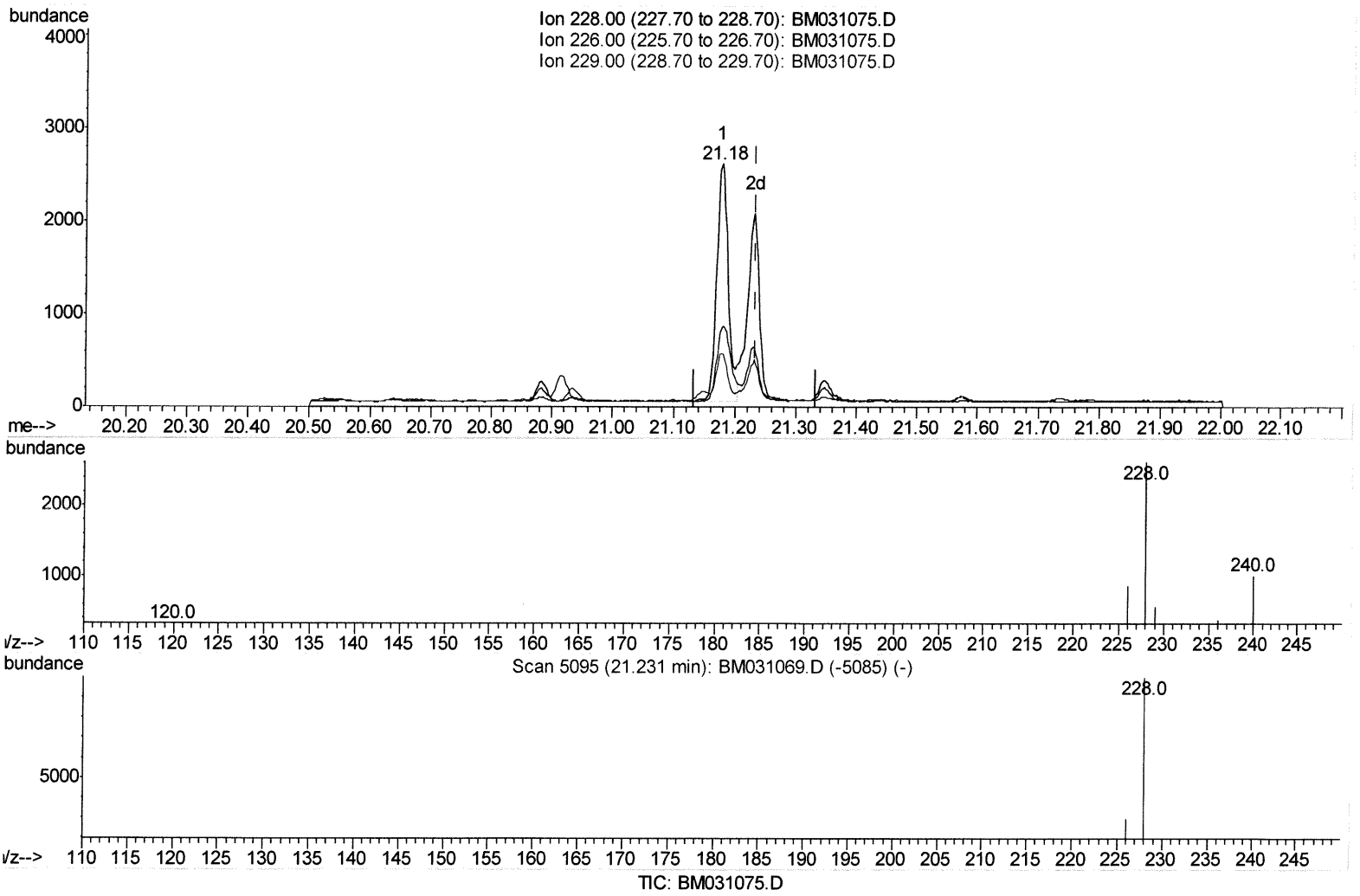
Ion	Exp%	Act%
202.00	100	100
101.00	9.20	11.11#
100.00	7.50	10.56#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:18:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:10 AM



(22) Chrysene

21.178min (-0.056) 0.09ng/ul

response 3390

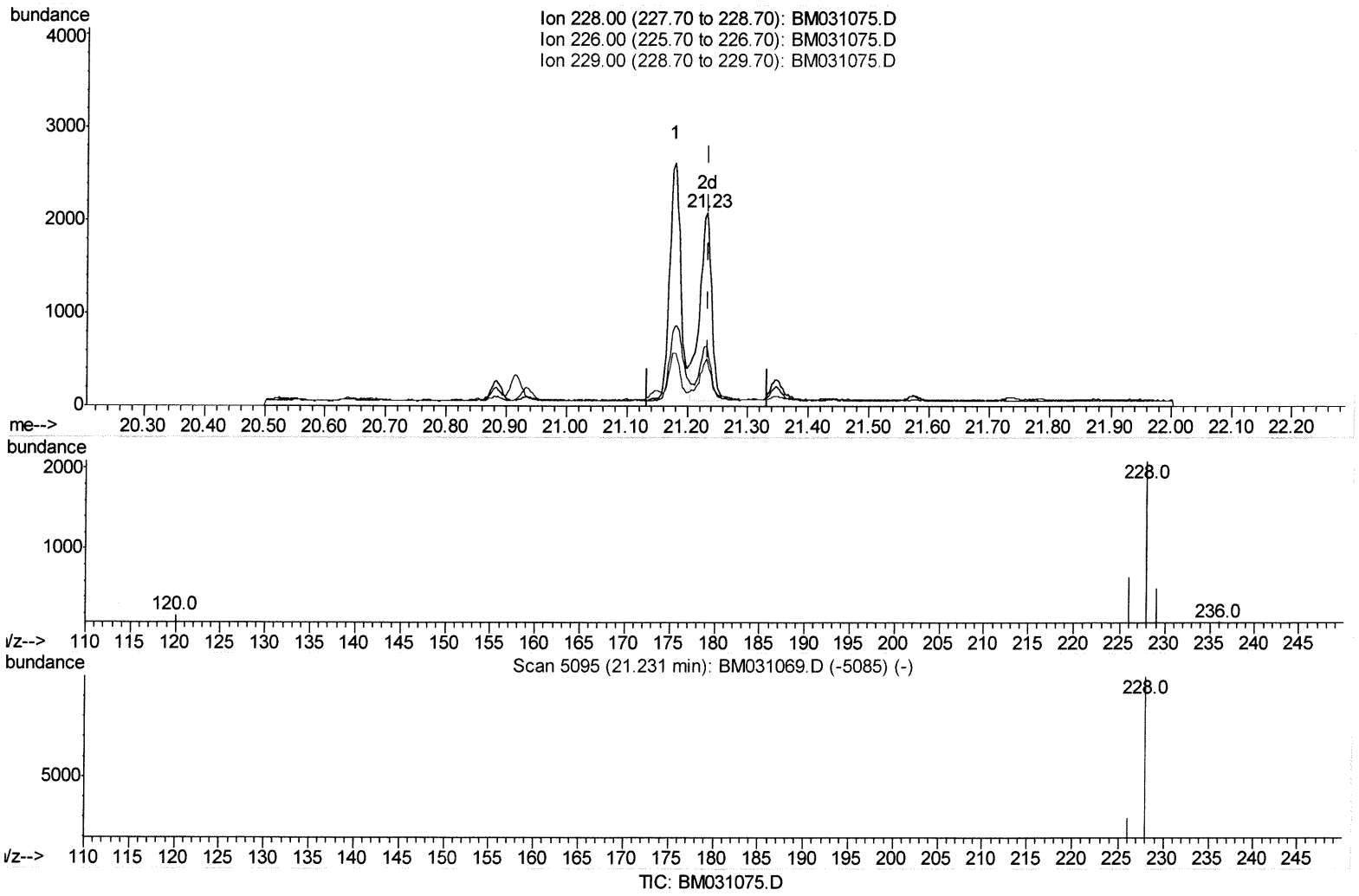
Ion	Exp%	Act%
228.00	100	100
226.00	30.60	32.94
229.00	19.80	21.72
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:18:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:10 AM



(22) Chrysene

21.231min (-0.002) 0.08ng/ul m 07/26/21 JU

response 2791

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	31.08
229.00	19.80	24.52#
0.00	0.00	0.00

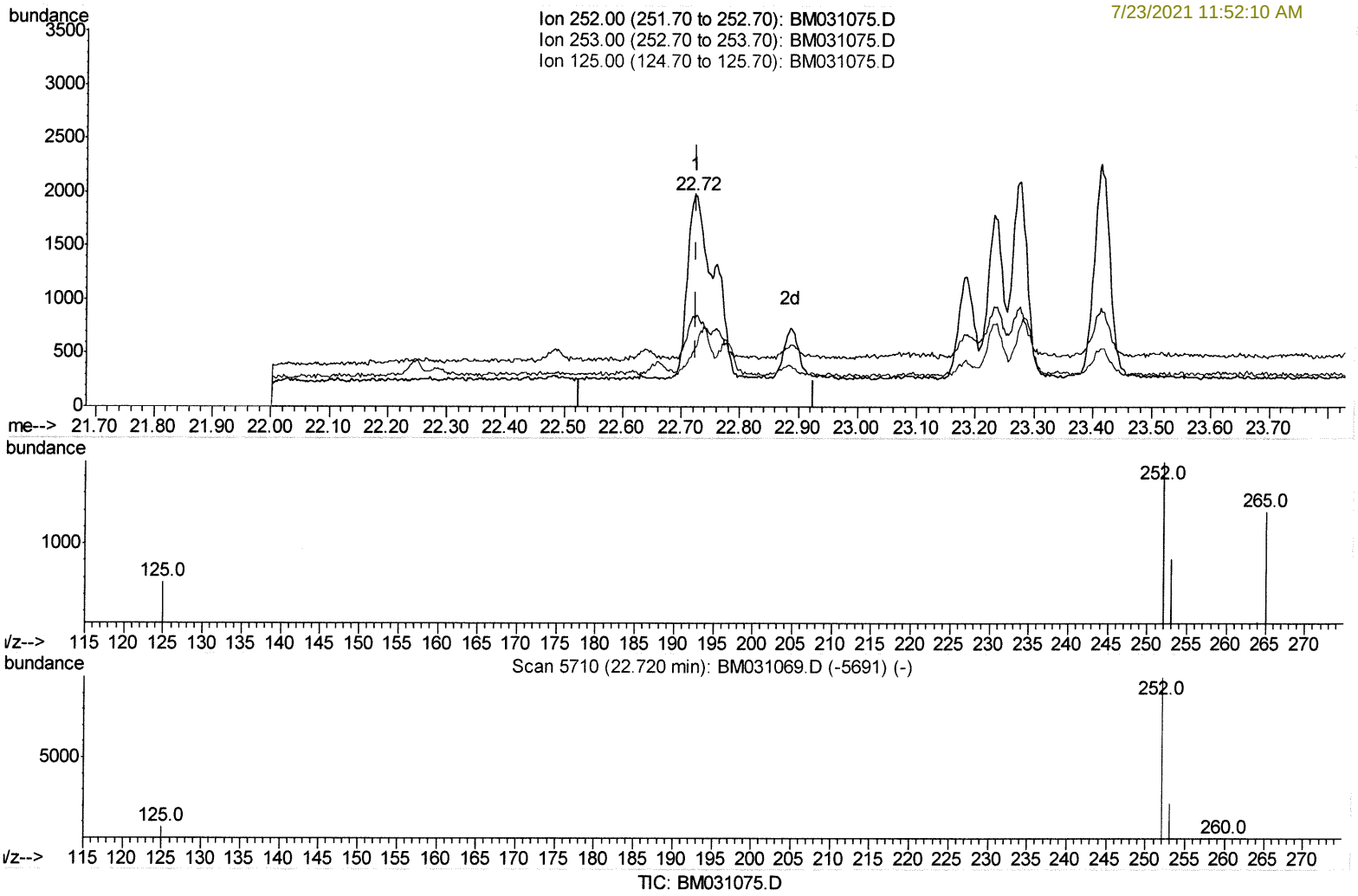
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:18:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad

7/23/2021 11:52:10 AM



TIC: BM031075.D

(24) Benzo(b)fluoranthene

22.723min (-0.002) 0.13ng/ul

response 5365

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	41.76
125.00	10.10	27.62#
0.00	0.00	0.00

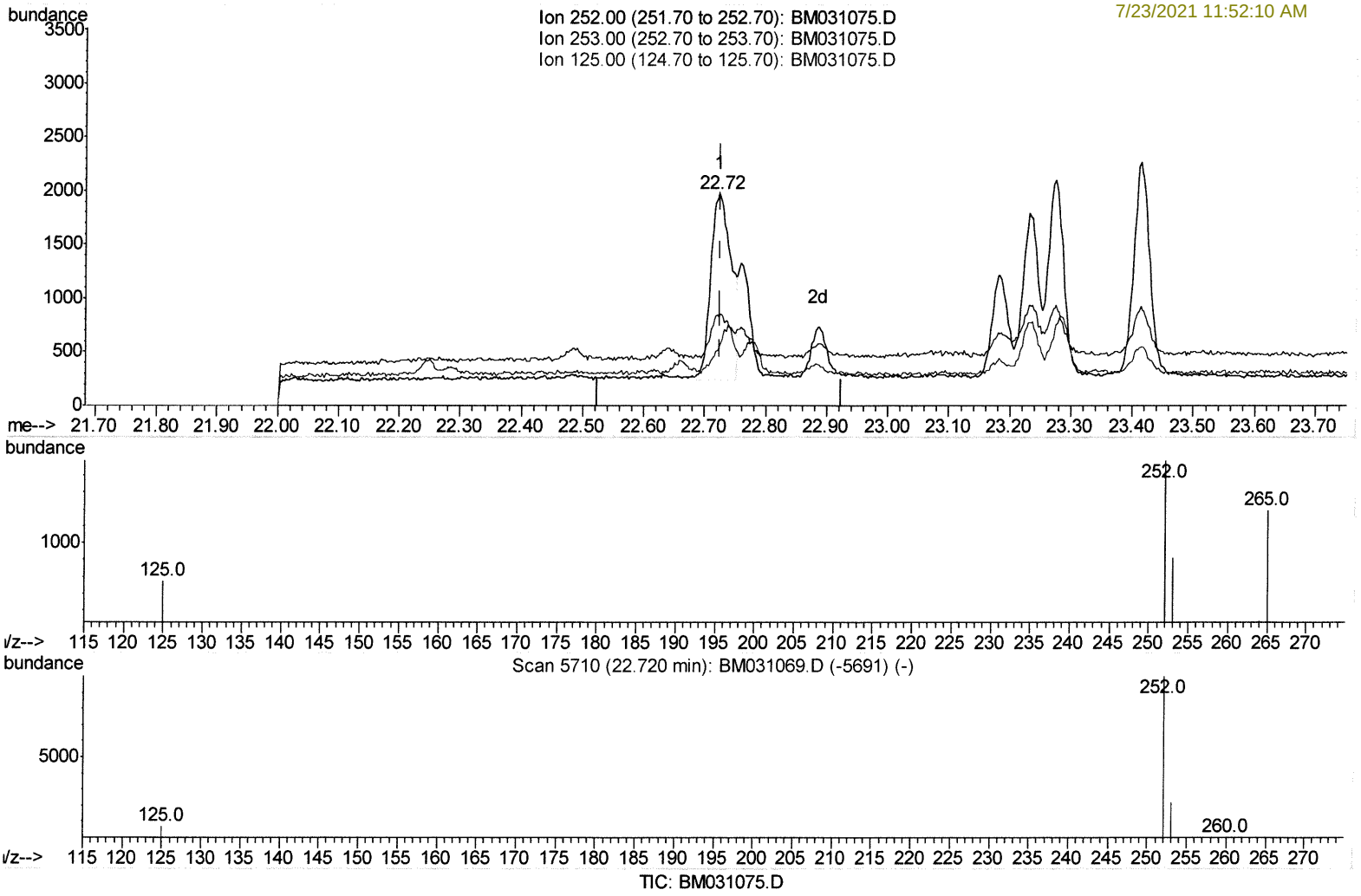
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:18:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad

7/23/2021 11:52:10 AM



(24) Benzo(b)fluoranthene

22.723min (-0.002) 0.10ng/ul m 07/26/21 JU

response 4045

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	41.76
125.00	10.10	27.62#
0.00	0.00	0.00

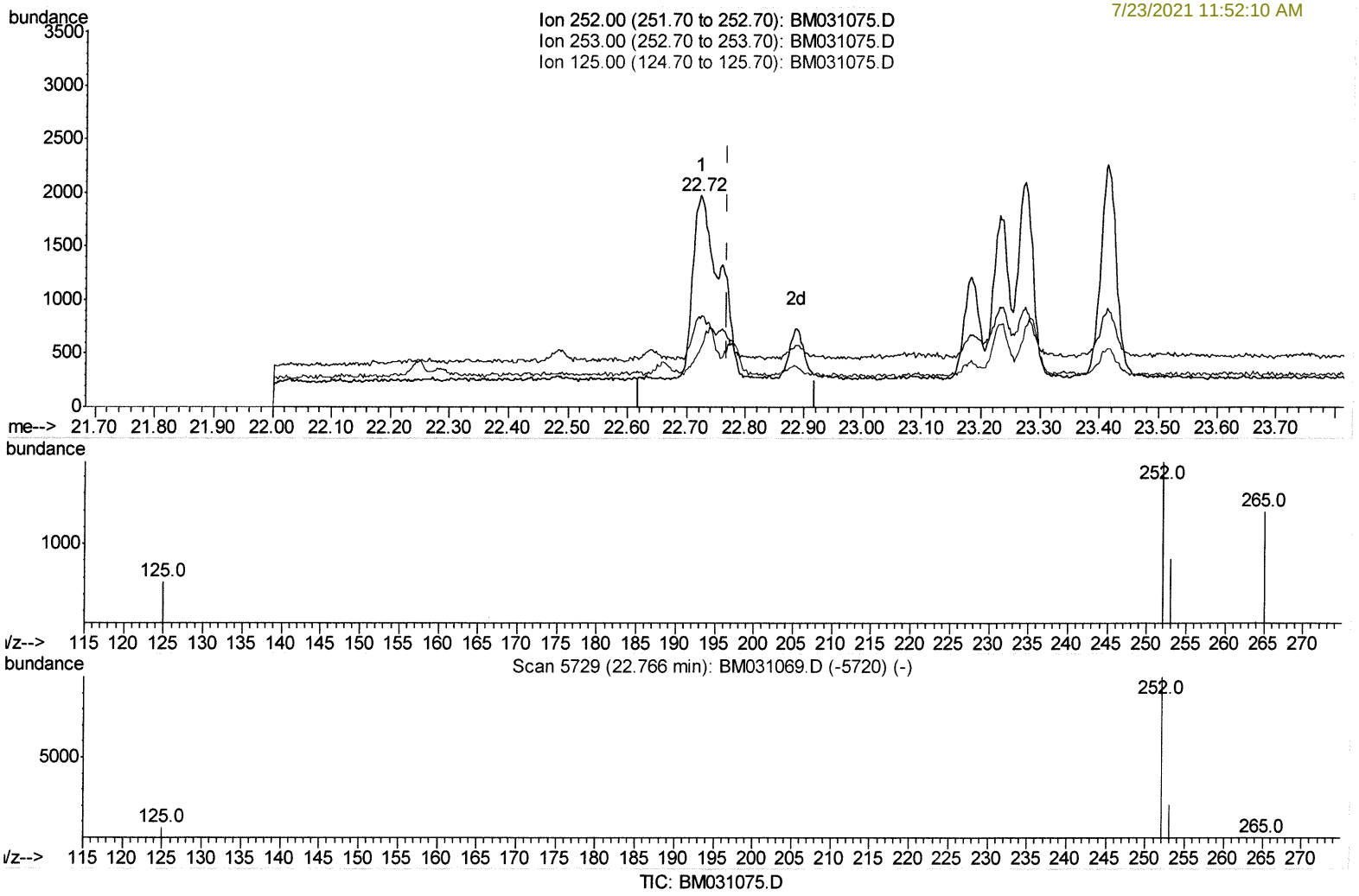
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:22:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad

7/23/2021 11:52:10 AM



TIC: BM031075.D

(25) Benzo(k)fluoranthene

22.723min (-0.046) 0.13ng/ul

response 5355

Ion	Exp%	Act%
252.00	100	100
253.00	27.00	41.76#
125.00	10.80	27.62#
0.00	0.00	0.00

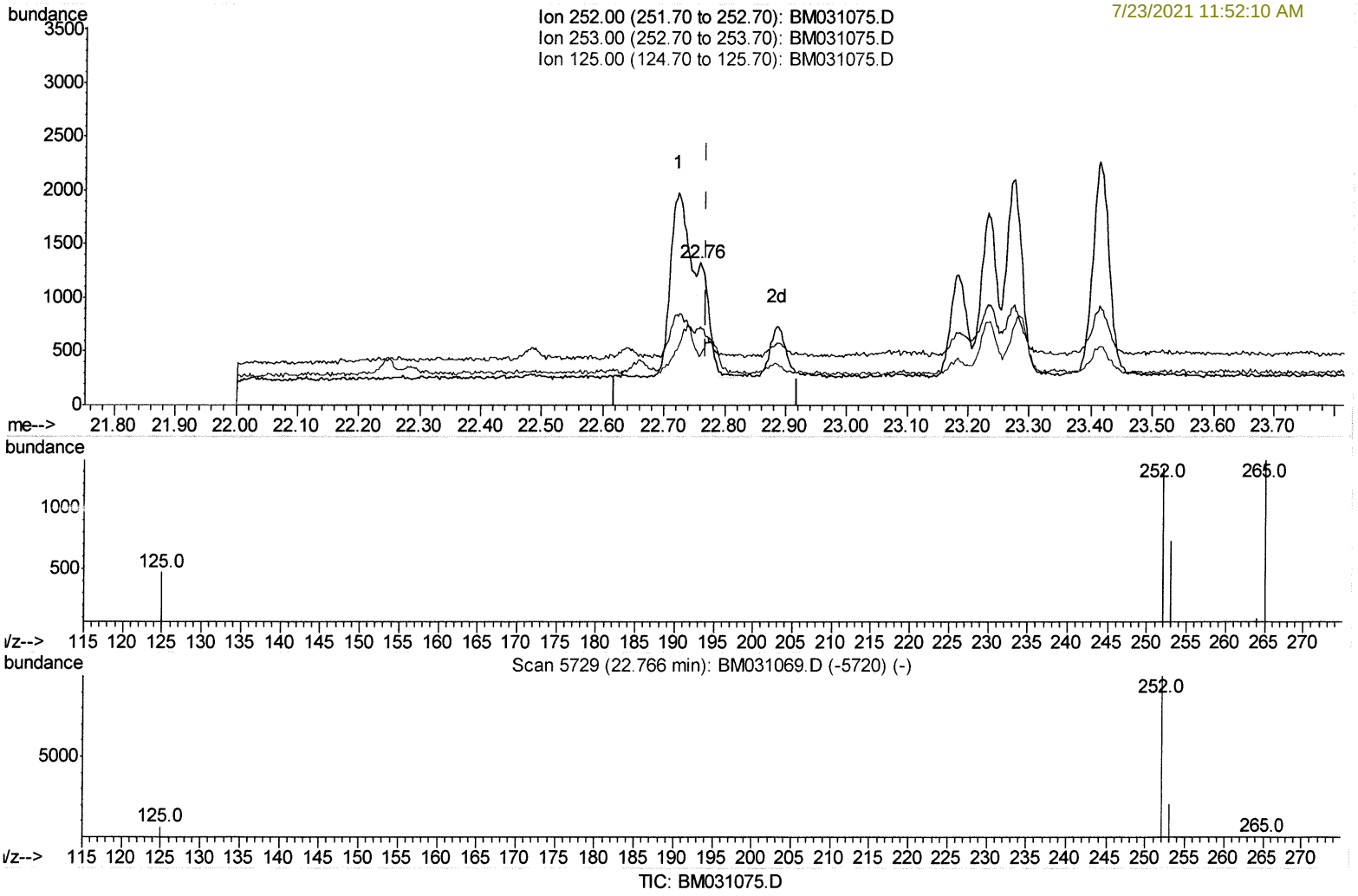
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 23 01:22:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad

7/23/2021 11:52:10 AM



TIC: BM031075.D

(25) Benzo(k)fluoranthene

22.759min (-0.010) 0.04ng/ul m

response 1454

Ion	Exp%	Act%
252.00	100	100
253.00	27.00	54.94#
125.00	10.80	35.27#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031075.D
Acq On : 22 Jul 2021 20:52
Operator : CG/JU
Sample : M2971-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGEA3

Manual Integrations APPROVED
mohammad

Quant Time: Jul 23 01:23:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

7/23/2021 11:52:10 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1365	0.40	ng/ul	0.00
4) Naphthalene-d8	10.40	136	5550	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.26	164	4080	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.01	188	8838	0.40	ng/ul	0.00
17) Chrysene-d12	21.20	240	8258	0.40	ng/ul	0.00
23) Perylene-d12	23.37	264	8654	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	6095	4.25	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.99	152	2795	0.29	ng/ul	0.00
18) Fluoranthene-d10	19.04	212	7635	0.30	ng/ul	0.00
Target Compounds						Qvalue
15) Phenanthrene	17.05	178	1141	0.041	ng/ul#	88
16) Anthracene	17.14	178	724	0.028	ng/ul#	78
19) Fluoranthene	19.07	202	5257	0.158	ng/ul#	94
20) Pyrene	19.43	202	4680m	0.138	ng/ul	
21) Benzo(a)anthracene	21.18	228	3394	0.103	ng/ul#	92
22) Chrysene	21.23	228	2791m	0.078	ng/ul	
24) Benzo(b)fluoranthene	22.72	252	4045m	0.099	ng/ul	
25) Benzo(k)fluoranthene	22.76	252	1454m	0.035	ng/ul	
26) Benzo(a)pyrene	23.28	252	3171	0.090	ng/ul#	62
27) Indeno(1,2,3-cd)pyrene	25.52	276	1764	0.038	ng/ul#	88
29) Benzo(g,h,i)perylene	26.18	276	1560	0.040	ng/ul#	75

07/26/21 JU

07/26/21 JU

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