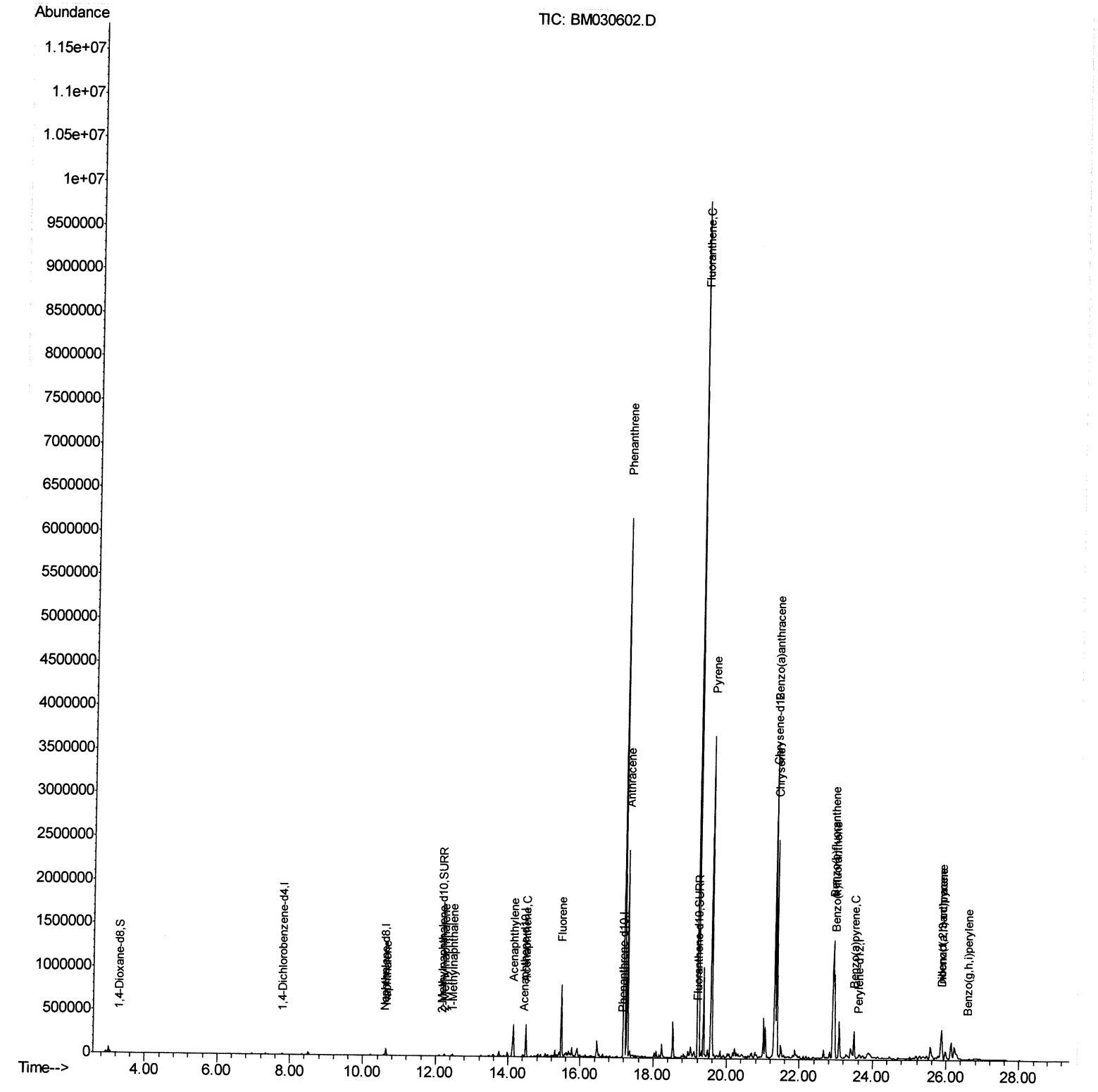
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Quant Time: Jun 25 15:58:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 15:52:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
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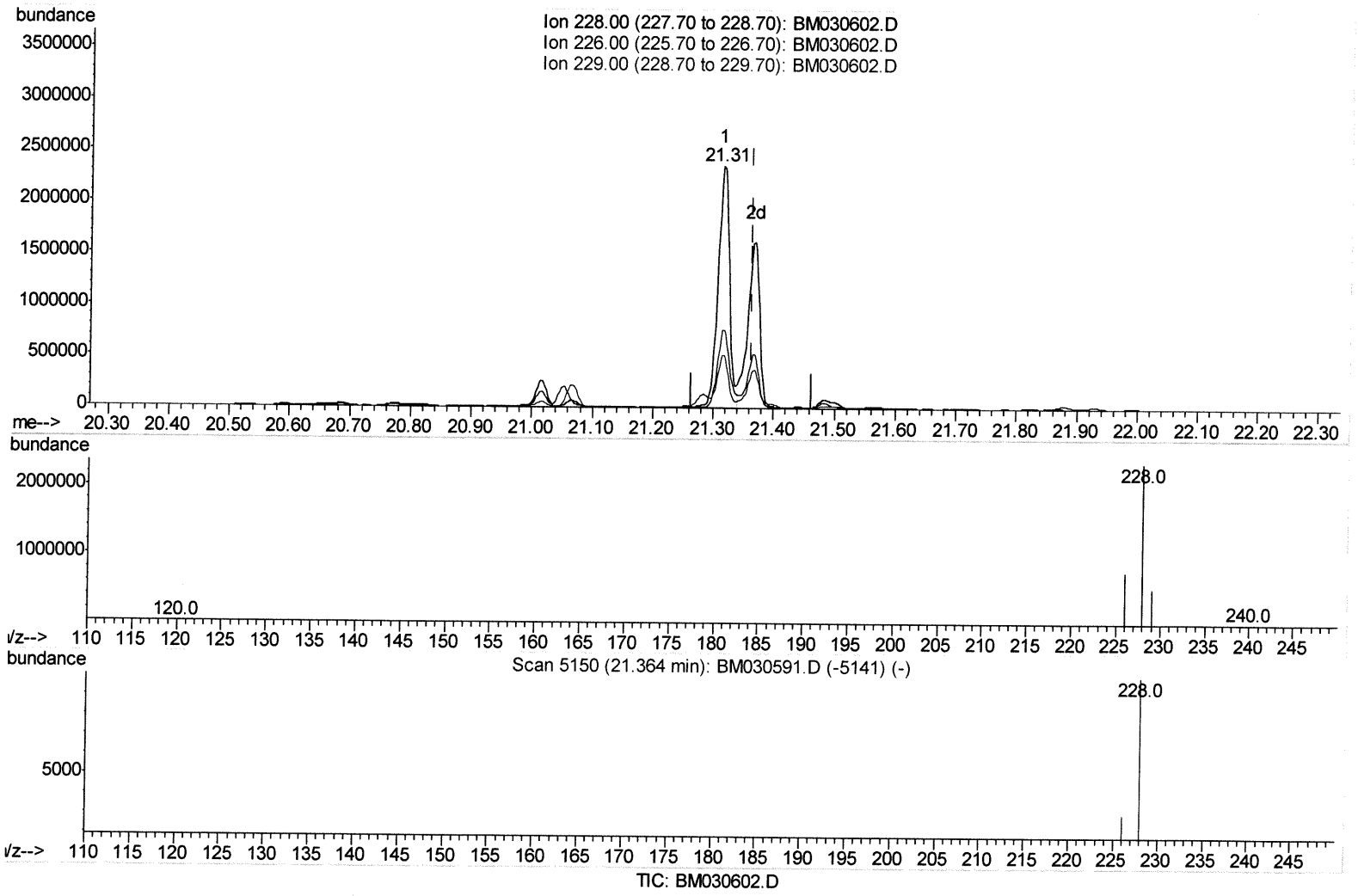


(22) Chrysene

21.315min (-0.050) 42.26ng/ul

response 3086849

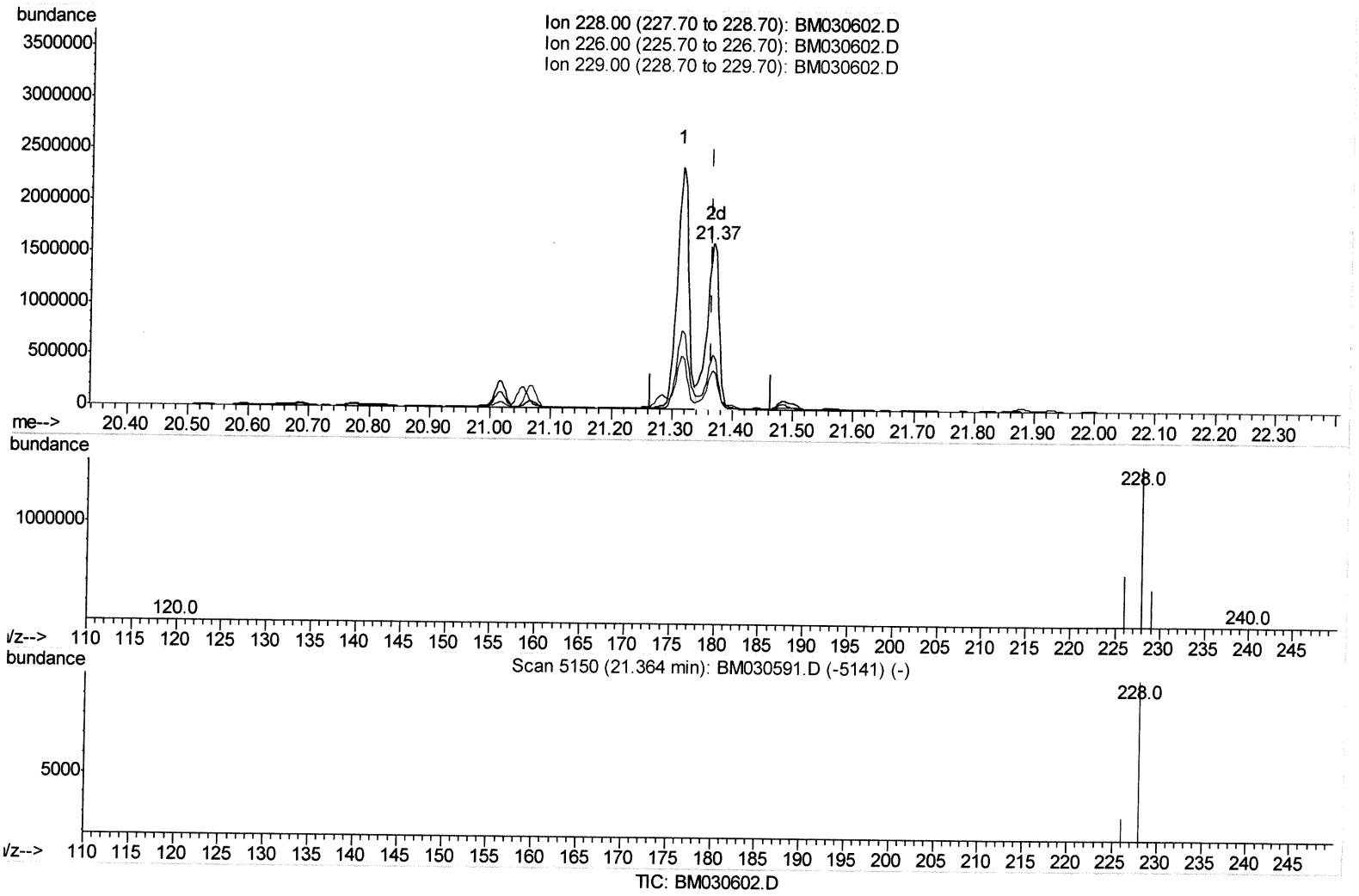
Ion	Exp%	Act%
228.00	100	100
226.00	30.50	32.17
229.00	19.20	21.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 15:52:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM



(22) Chrysene

21.368min (+0.004) 30.81ng/ul m

response 2250582

JU 6/30/21

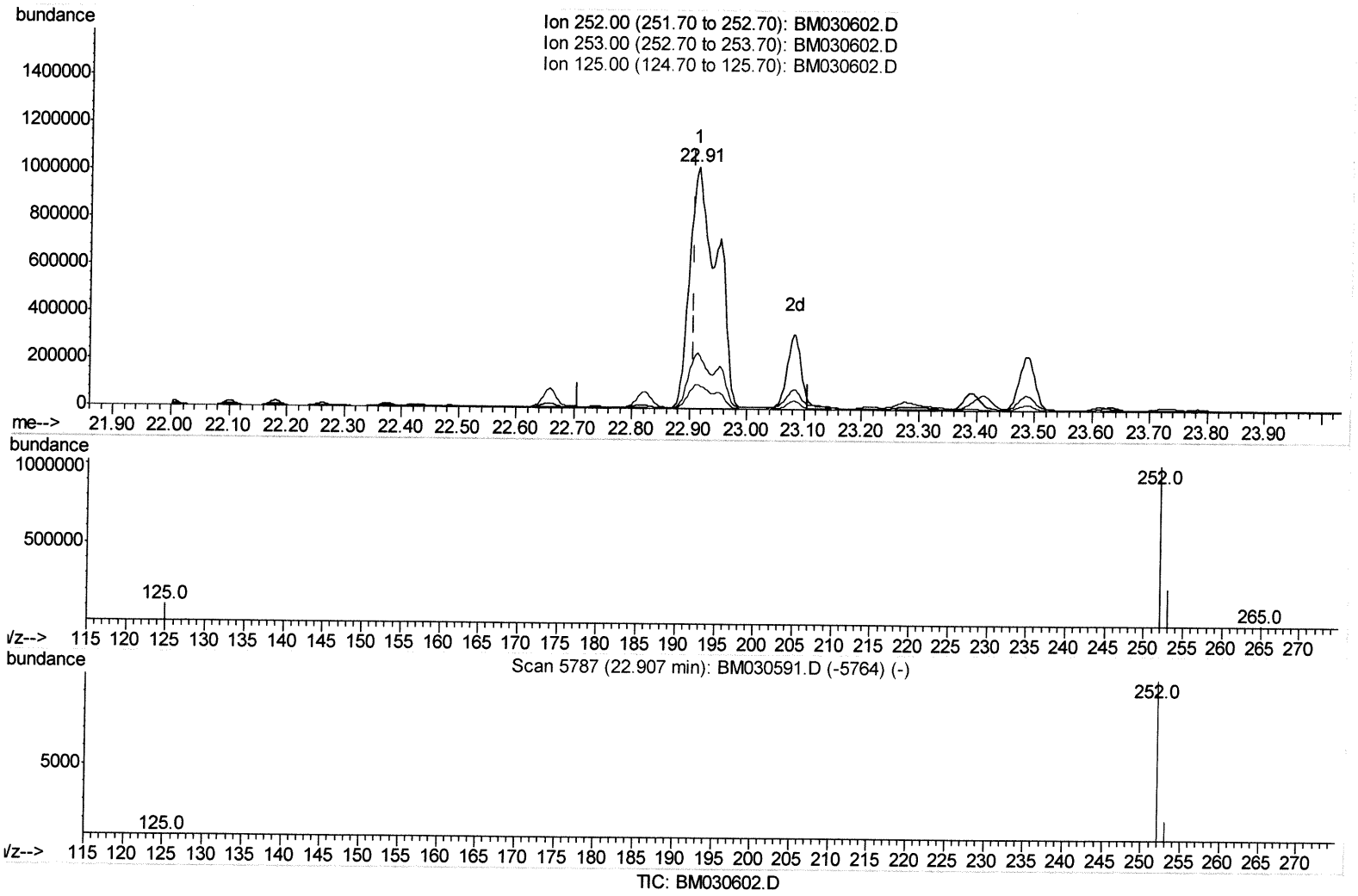
Ion	Exp%	Act%
228.00	100	100
226.00	30.50	32.17
229.00	19.20	23.34#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 15:53:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM



(24) Benzo(b)fluoranthene

22.913min (+0.006) 44.16ng/ul

response 3330364

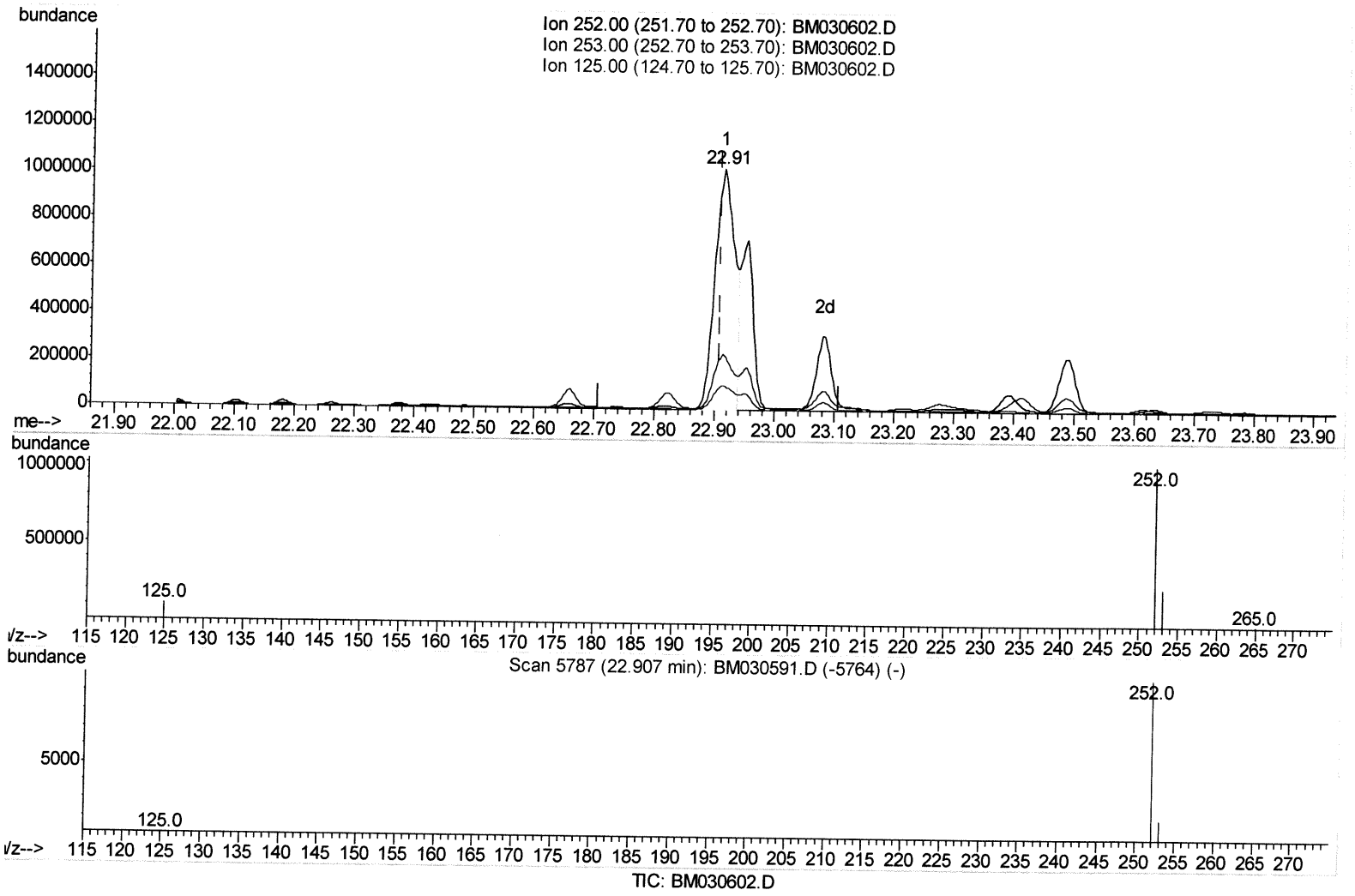
Ion	Exp%	Act%
252.00	100	100
253.00	25.10	23.26
125.00	13.90	10.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM

Quant Time: Jun 25 15:53:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.913min (+0.006) 30.15ng/ul m JU 6/30/21

response 2274149

Ion	Exp%	Act%
252.00	100	100
253.00	25.10	23.26
125.00	13.90	10.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 15:53:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
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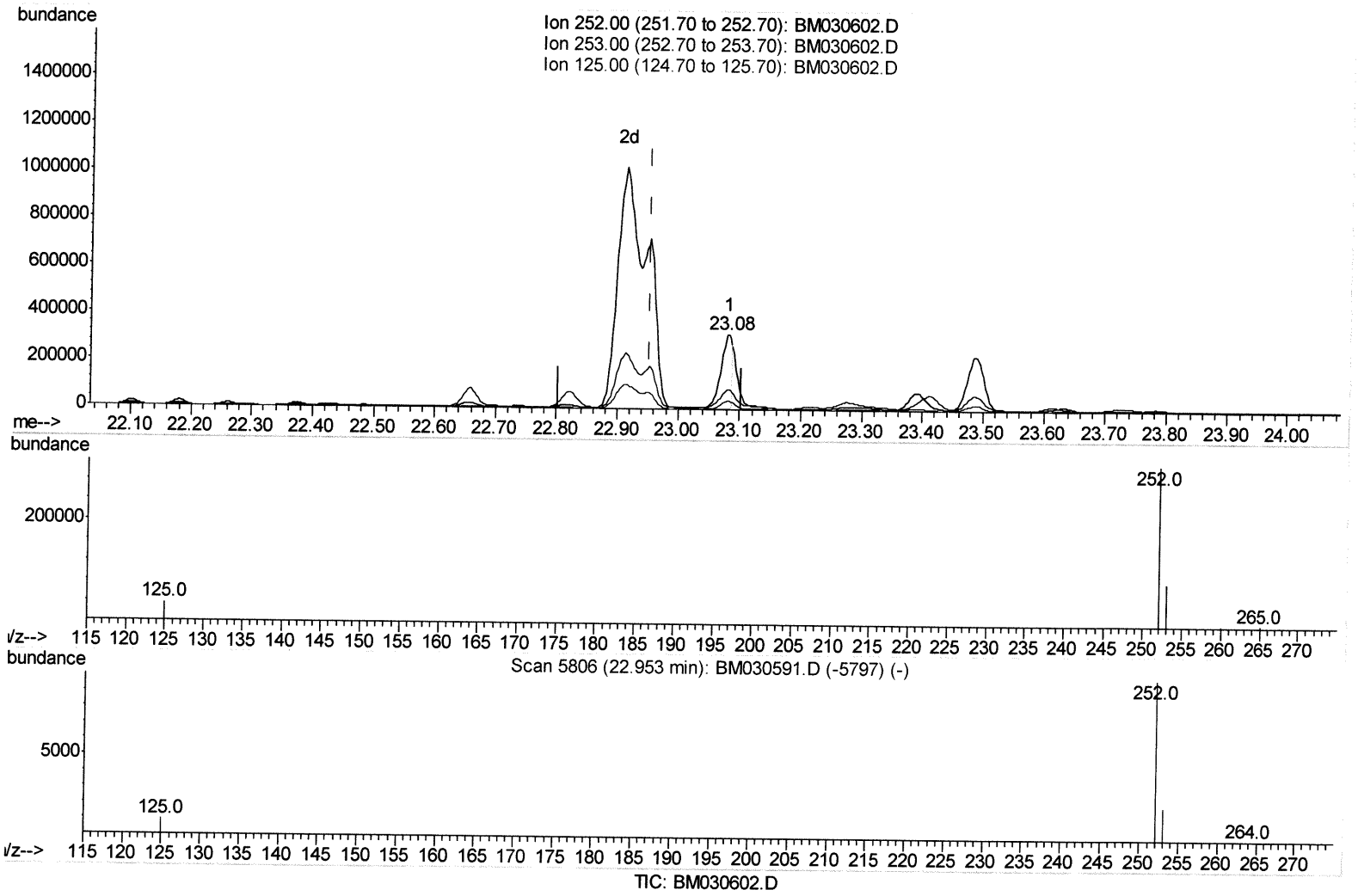

(25) Benzo(k)fluoranthene

23.083min (+0.130) 4.84ng/ul

response 382635

Ion	Exp%	Act%
252.00	100	100
253.00	25.80	26.90
125.00	13.70	11.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 15:53:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
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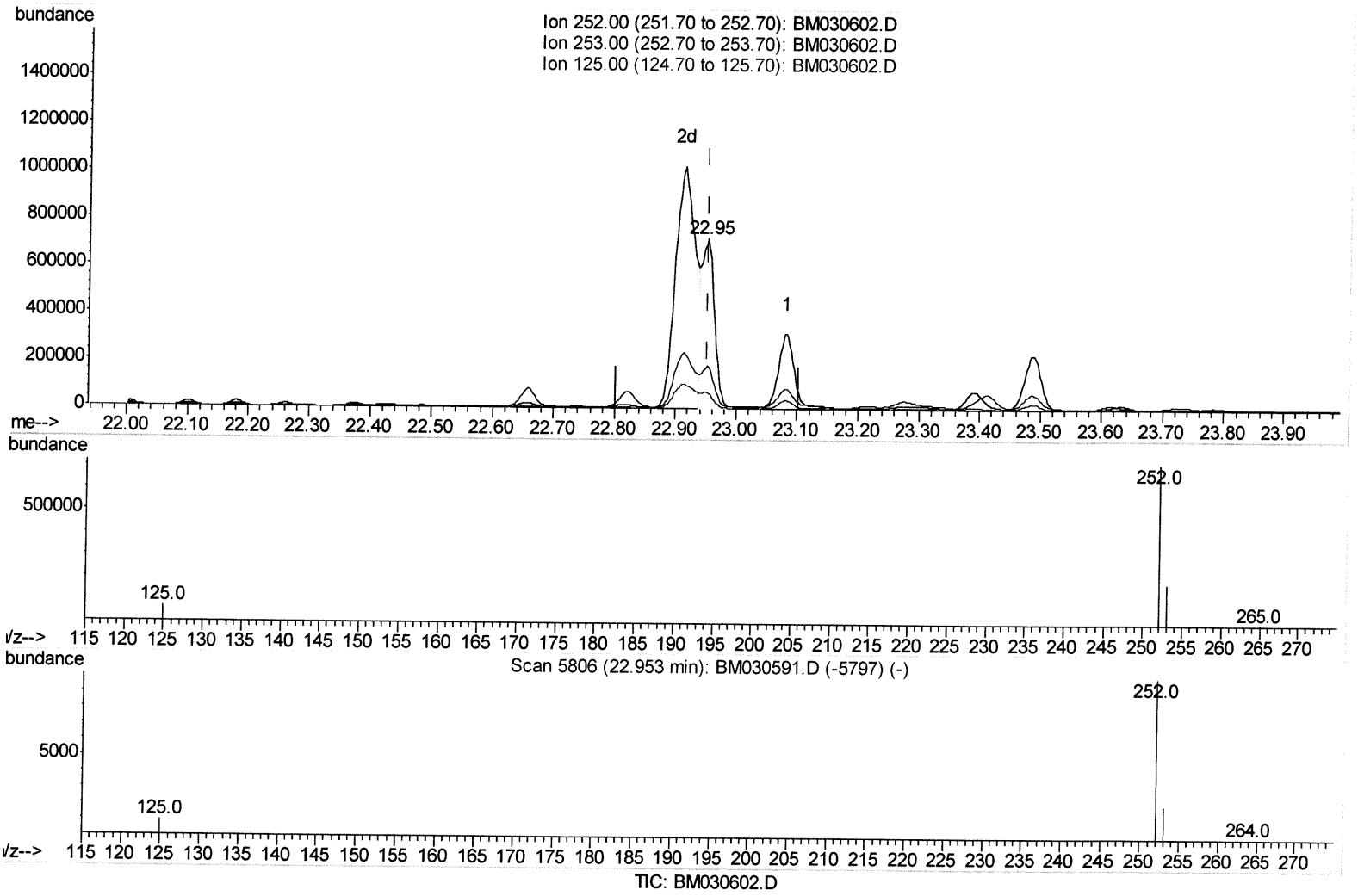


(25) Benzo(k)fluoranthene

22.952min (-0.001) 13.64ng/ul m JG 6/28/21

response 1079378

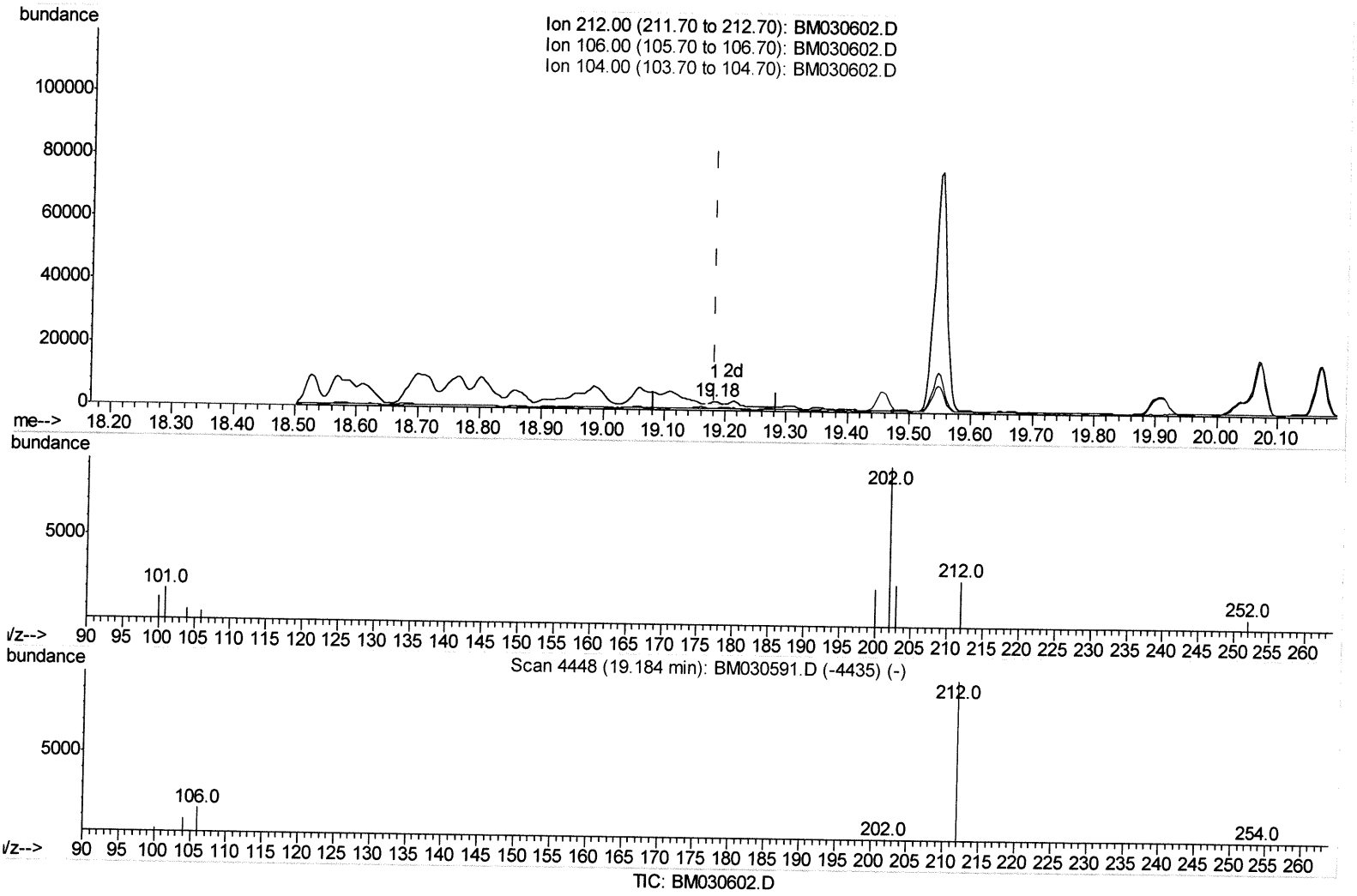
Ion	Exp%	Act%
252.00	100	100
253.00	25.80	25.12
125.00	13.70	9.62#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM

Quant Time: Jun 25 15:54:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration



(18) Fluoranthene-d10 (SURR)

19.183min (-0.000) 0.02ng/ul

response 991

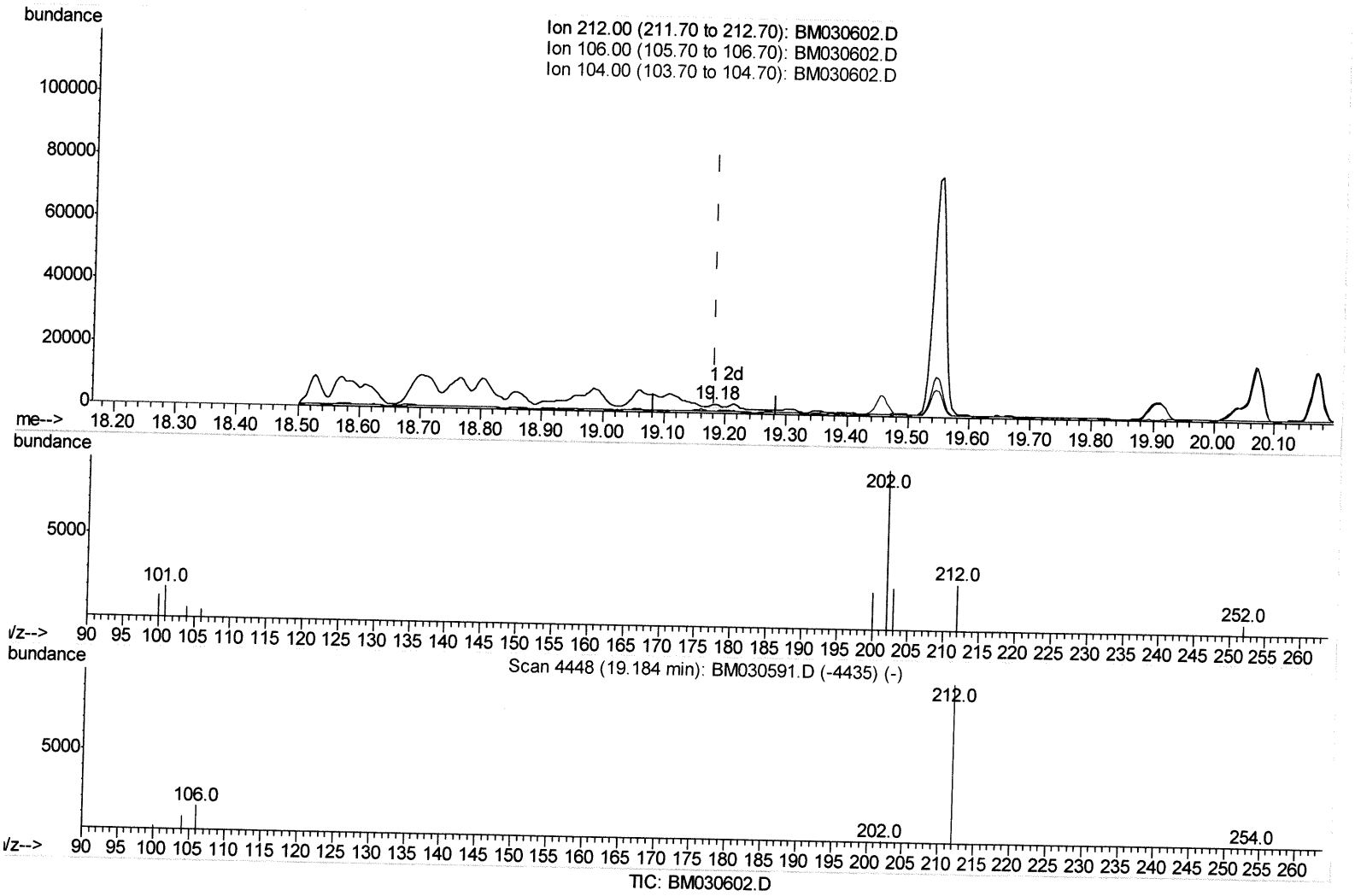
Ion	Exp%	Act%
212.00	100	100
106.00	14.70	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM

Quant Time: Jun 25 15:54:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration



(18) Fluoranthene-d10 (SURR)

19.183min (-0.000) 0.03ng/ul m JU 6/30/21

response 1272

Ion	Exp%	Act%
212.00	100	100
106.00	14.70	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030602.D
Acq On : 25 Jun 2021 15:22
Operator : CG/JU
Sample : M2662-04DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDF4DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:24 PM

Quant Time: Jun 25 15:58:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	4619	0.40	ng/ul	0.00
4) Naphthalene-d8	10.58	136	18915	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	12079	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.16	188	22705	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	16564	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	17339	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	2681	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.17	152	1234	0.04	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	1272m	0.03	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.63	128	111660	1.984	ng/ul	99
7) 2-Methylnaphthalene	12.24	142	14510	0.382	ng/ul	99
8) 1-Methylnaphthalene	12.46	142	13392	0.363	ng/ul	99
10) Acenaphthylene	14.14	152	413611	7.317	ng/ul	100
11) Acenaphthene	14.48	153	214997	4.669	ng/ul	98
12) Fluorene	15.47	166	522386	10.243	ng/ul	99
15) Phenanthrene	17.21	178	6630329	82.014	ng/ul	95
16) Anthracene	17.30	178	2463064	34.777	ng/ul	100
19) Fluoranthene	19.22	202	8463257	111.140	ng/ul#	94
20) Pyrene	19.58	202	3339726	42.810	ng/ul	98
21) Benzo(a)anthracene	21.31	228	3095702	47.048	ng/ul	93
22) Chrysene	21.37	228	2250582m	30.811	ng/ul	
24) Benzo(b)fluoranthene	22.91	252	2274149m	30.152	ng/ul	
25) Benzo(k)fluoranthene	22.95	252	1079378m	13.644	ng/ul	
26) Benzo(a)pyrene	23.49	252	437126	6.531	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.87	276	421197	4.949	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.88	278	294967	4.345	ng/ul	95
29) Benzo(g,h,i)perylene	26.57	276	5265	0.072	ng/ul#	56

JU 6/30/21

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