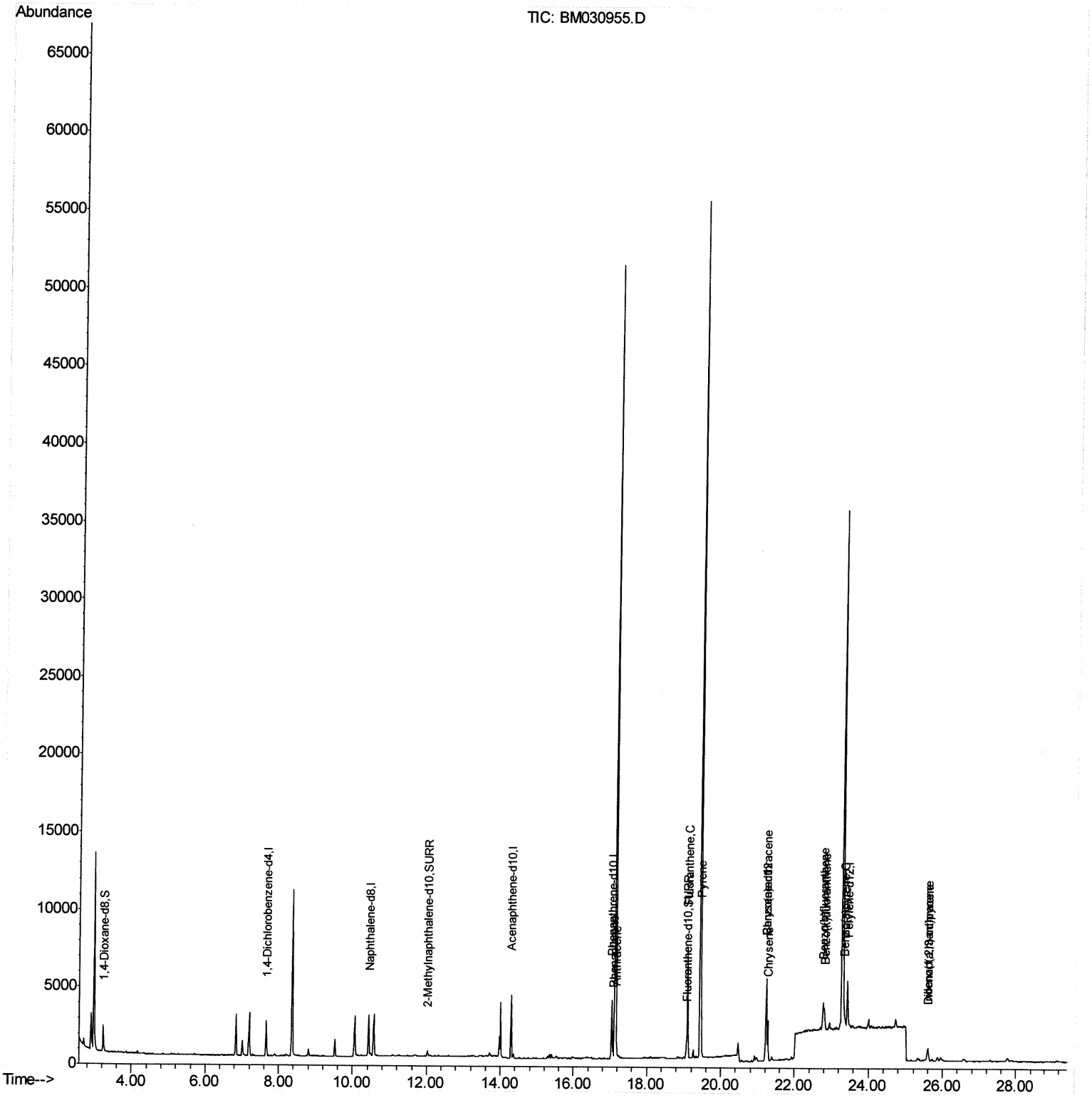
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:45:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM

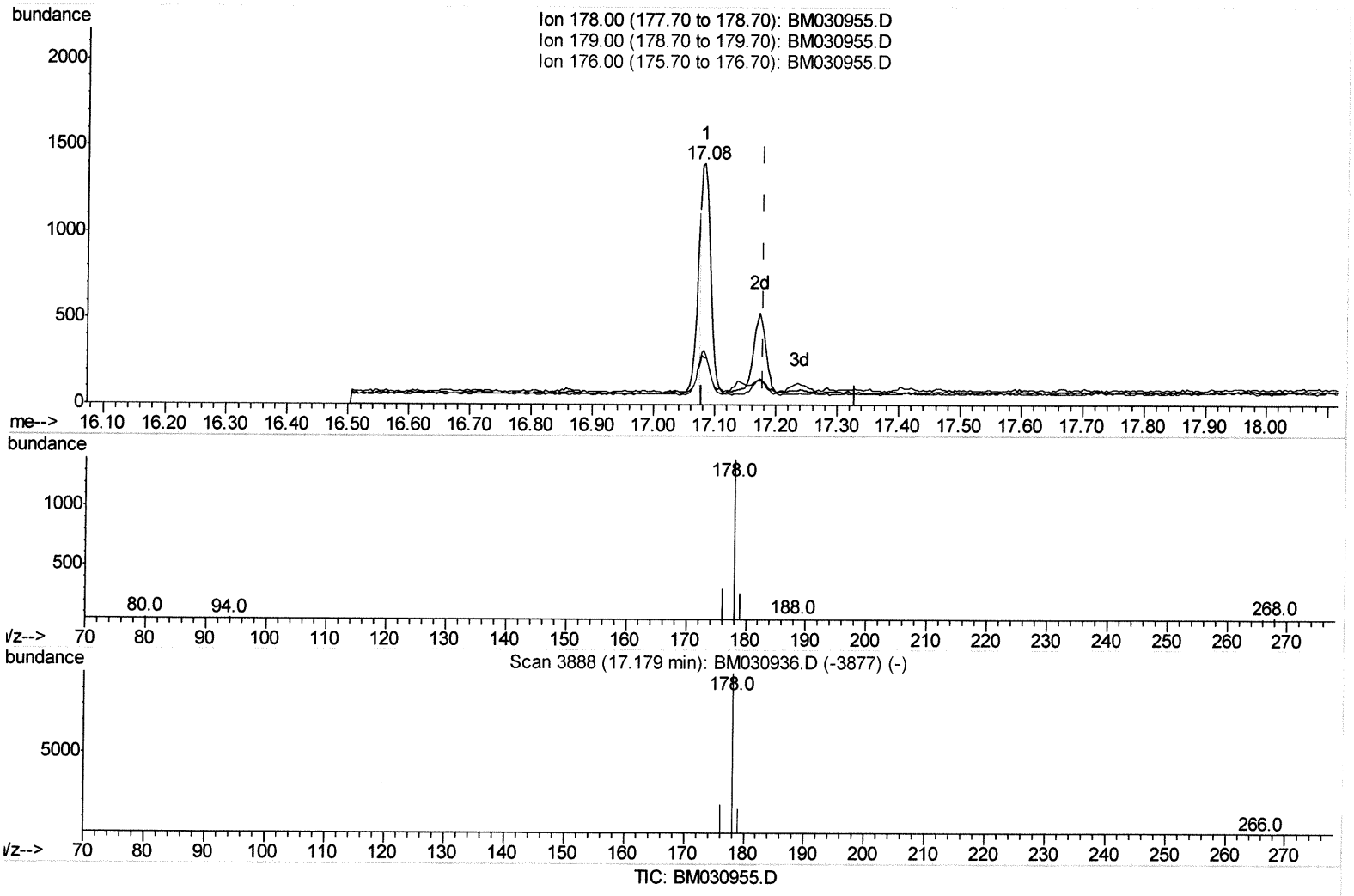


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



TIC: BM030955.D

(16) Anthracene

17.082min (-0.097) 0.09ng/ul

response 1262

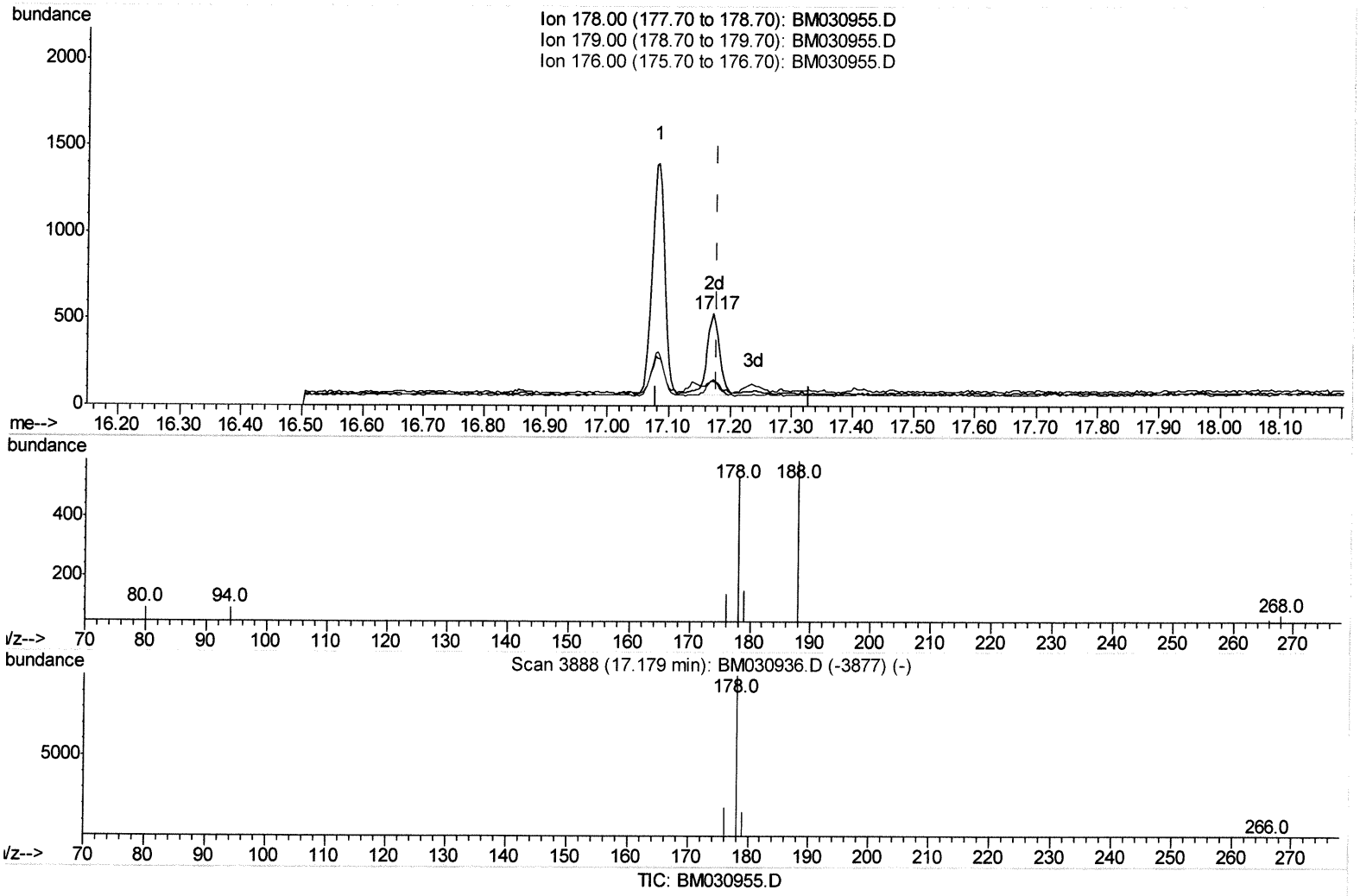
Ion	Exp%	Act%
178.00	100	100
179.00	18.10	19.64
176.00	20.10	22.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



(16) Anthracene

17.173min (-0.007) 0.05ng/ul m

response 654

J47/15/21

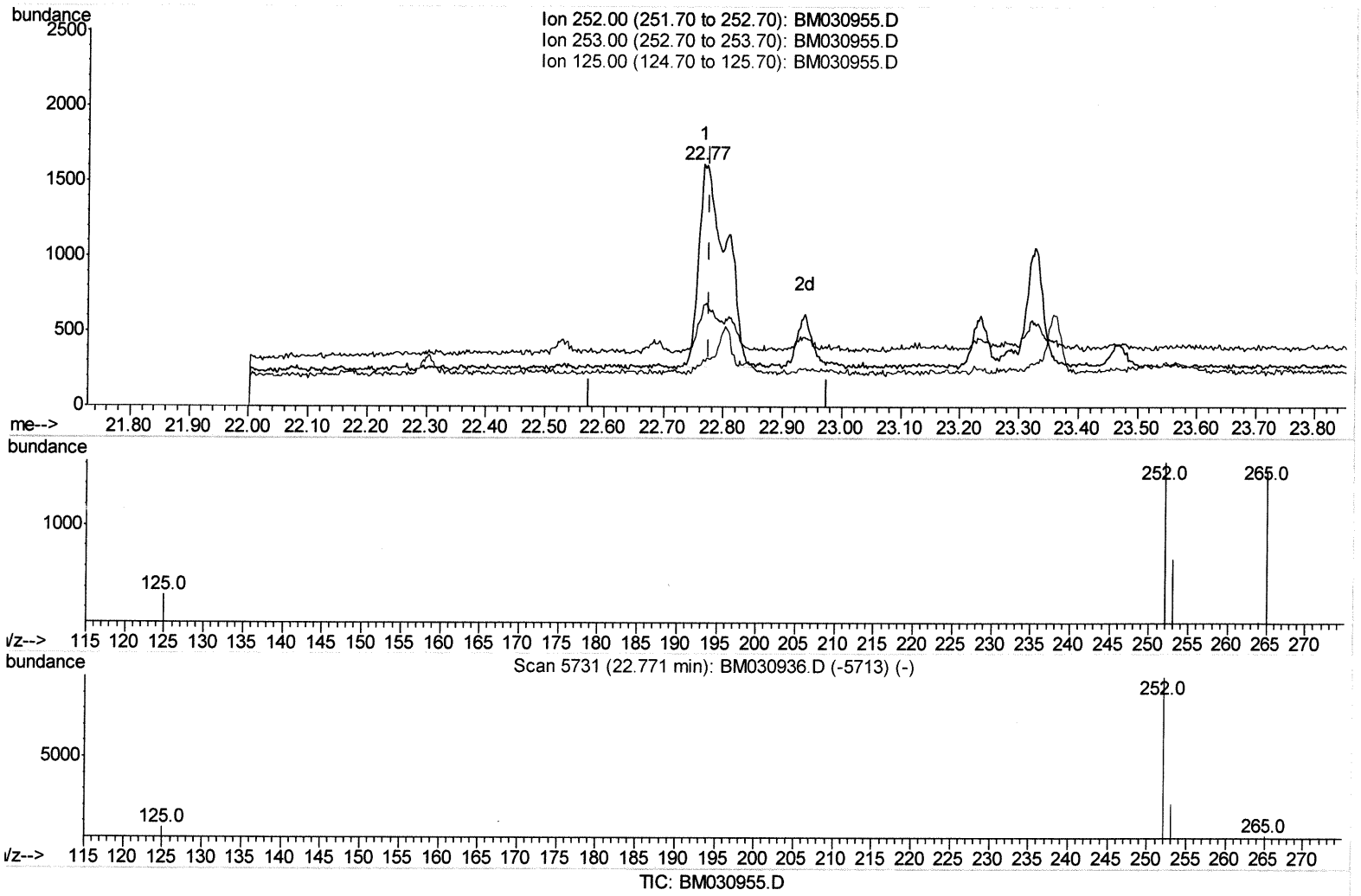
Ion	Exp%	Act%
178.00	100	100
179.00	18.10	28.38#
176.00	20.10	26.32#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



(24) Benzo(b)fluoranthene

22.767min (-0.009) 0.23ng/ul

response 4246

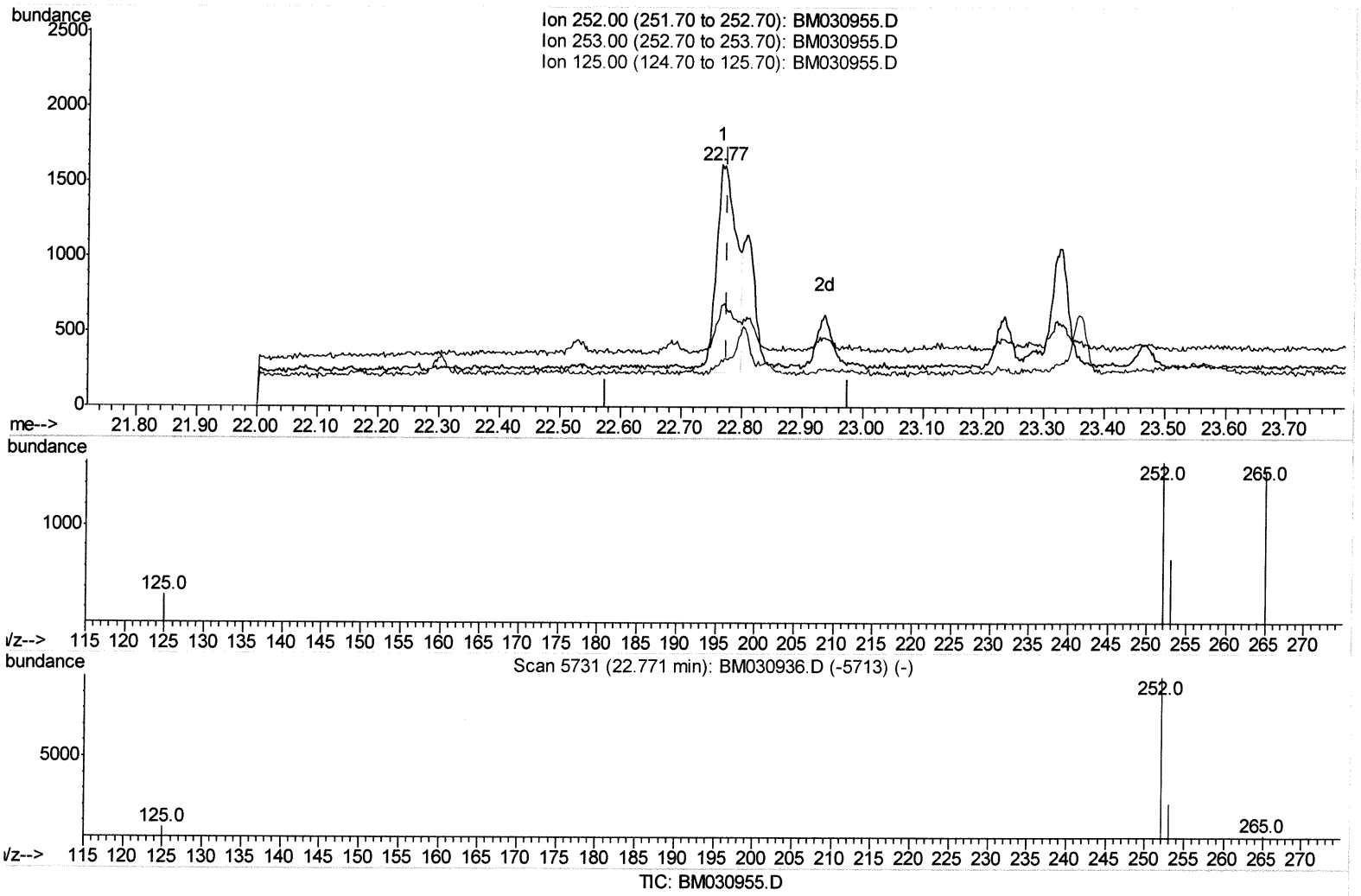
Ion	Exp%	Act%
252.00	100	100
253.00	31.00	41.84
125.00	11.60	19.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



(24) Benzo(b)fluoranthene

22.767min (-0.009) 0.17ng/ul m JU 7/15/21

response 3154

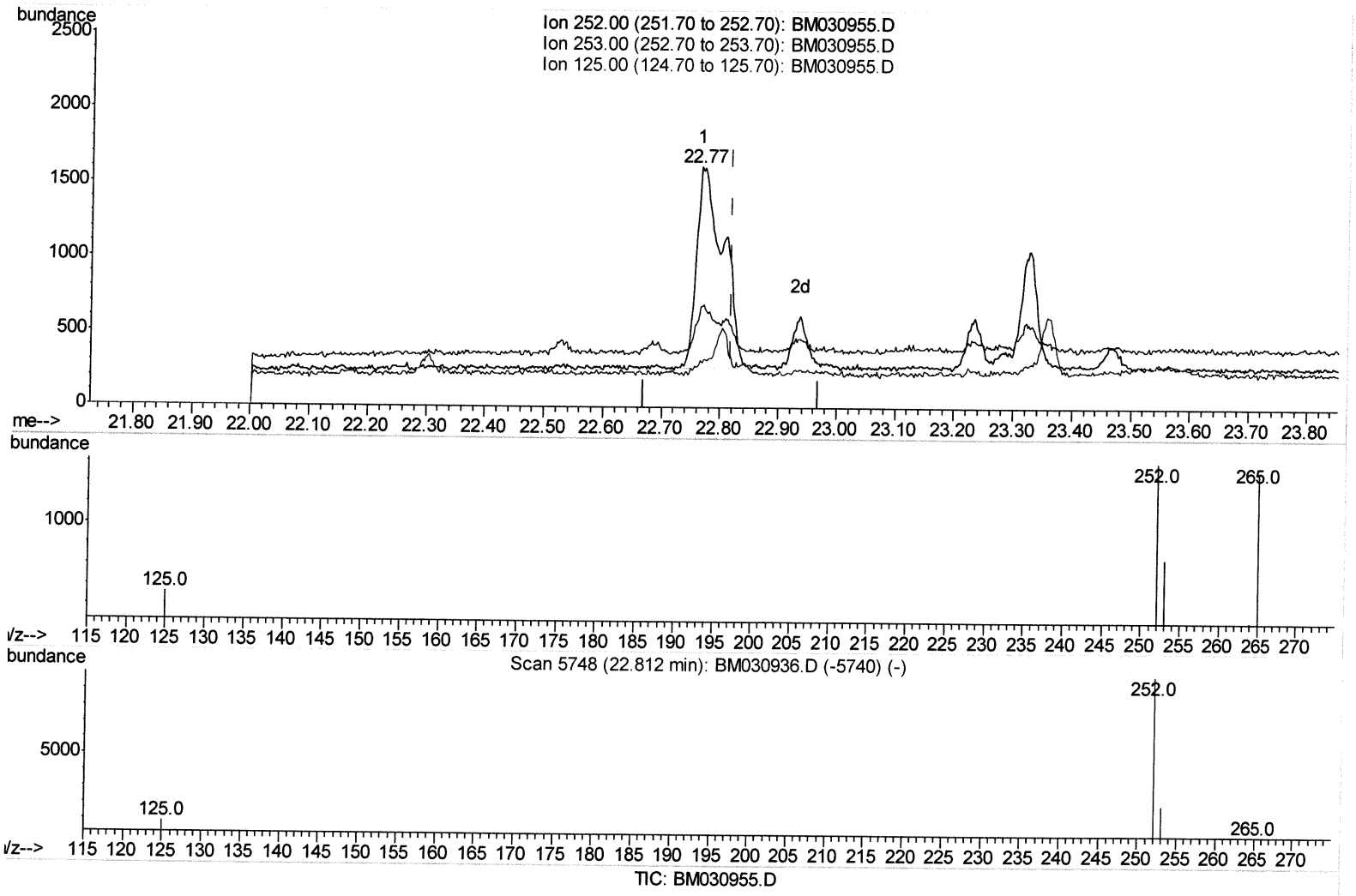
Ion	Exp%	Act%
252.00	100	100
253.00	31.00	41.84
125.00	11.60	19.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



TIC: BM030955.D

(25) Benzo(k)fluoranthene

22.767min (-0.053) 0.23ng/ul

response 4246

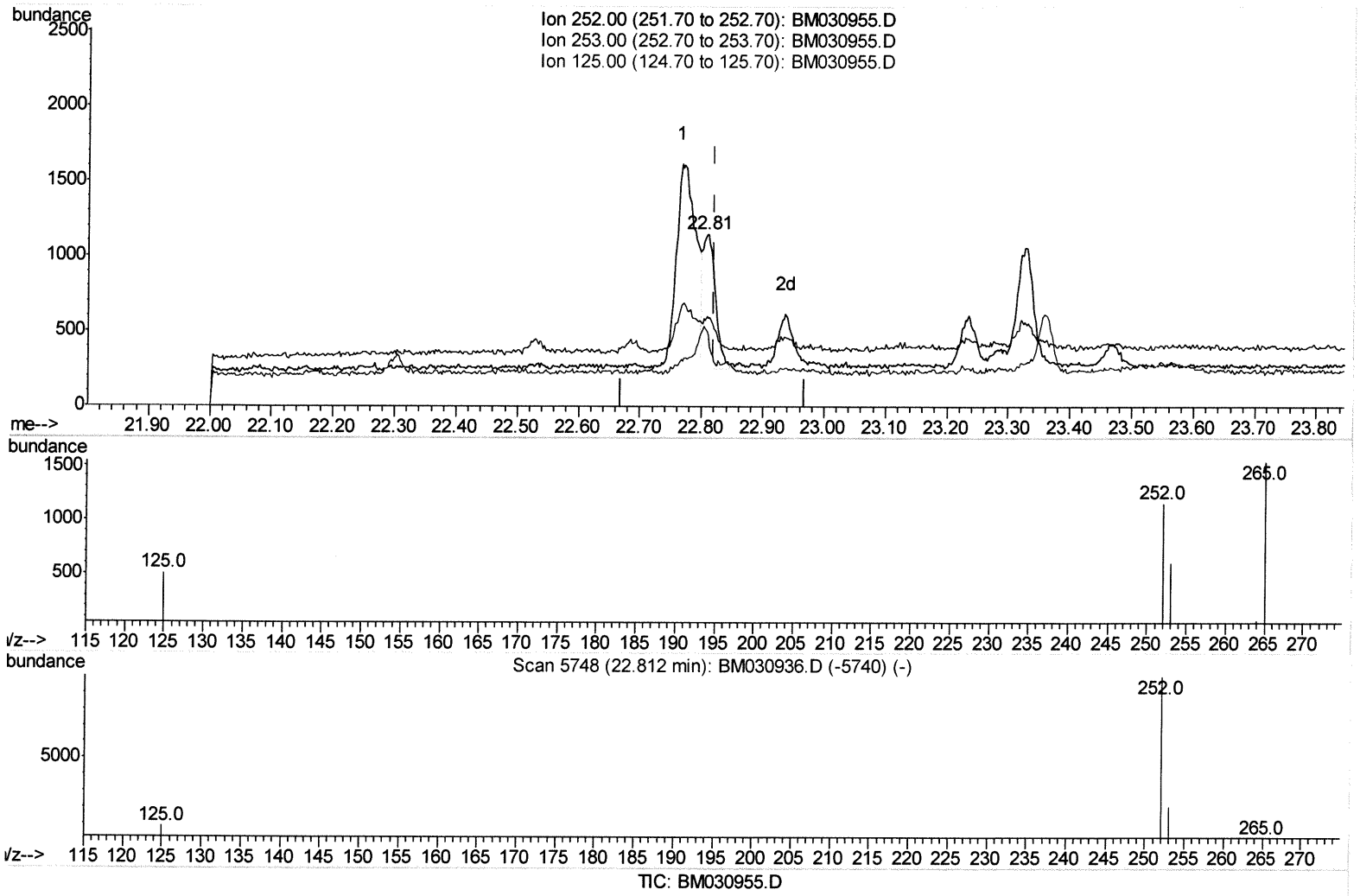
Ion	Exp%	Act%
252.00	100	100
253.00	30.40	41.84#
125.00	12.30	19.78#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 14 10:43:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM



TIC: BM030955.D

(25) Benzo(k)fluoranthene

22.808min (-0.012) 0.07ng/ul m JU 7/15/21

response 1290

Ion	Exp%	Act%
252.00	100	100
253.00	30.40	52.65#
125.00	12.30	43.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM071321\
Data File : BM030955.D
Acq On : 14 Jul 2021 10:04
Operator : CG/JU
Sample : M2878-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGE07DL

Manual Integrations APPROVED
mohammad
7/14/2021 12:17:00 PM

Quant Time: Jul 14 10:45:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM071321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:01:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1060	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	3560	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.29	164	2298	0.40	ng/ul	-0.01
13) Phenanthrene-d10	17.04	188	4745	0.40	ng/ul	-0.01
17) Chrysene-d12	21.23	240	3807	0.40	ng/ul	0.00
23) Perylene-d12	23.42	264	3875	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	1025	0.94	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.02	152	420	0.07	ng/ul	0.00
18) Fluoranthene-d10	19.07	212	1002	0.08	ng/ul	0.00
Target Compounds						Qvalue
15) Phenanthrene	17.08	178	1844	0.124	ng/ul	95
16) Anthracene	17.17	178	654m	0.046	ng/ul	> JU 7/15/21
19) Fluoranthene	19.10	202	6241	0.372	ng/ul	99
20) Pyrene	19.46	202	4399	0.259	ng/ul	97
21) Benzo(a)anthracene	21.21	228	2799	0.170	ng/ul#	91
22) Chrysene	21.27	228	2439	0.144	ng/ul	95
24) Benzo(b)fluoranthene	22.77	252	3154m	0.168	ng/ul	JU 7/15/21
25) Benzo(k)fluoranthene	22.81	252	1290m	0.068	ng/ul	
26) Benzo(a)pyrene	23.33	252	1506	0.092	ng/ul#	67
27) Indeno(1,2,3-cd)pyrene	25.60	276	1120	0.051	ng/ul#	79
28) Dibenzo(a,h)anthracene	25.61	278	416	0.023	ng/ul#	1

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