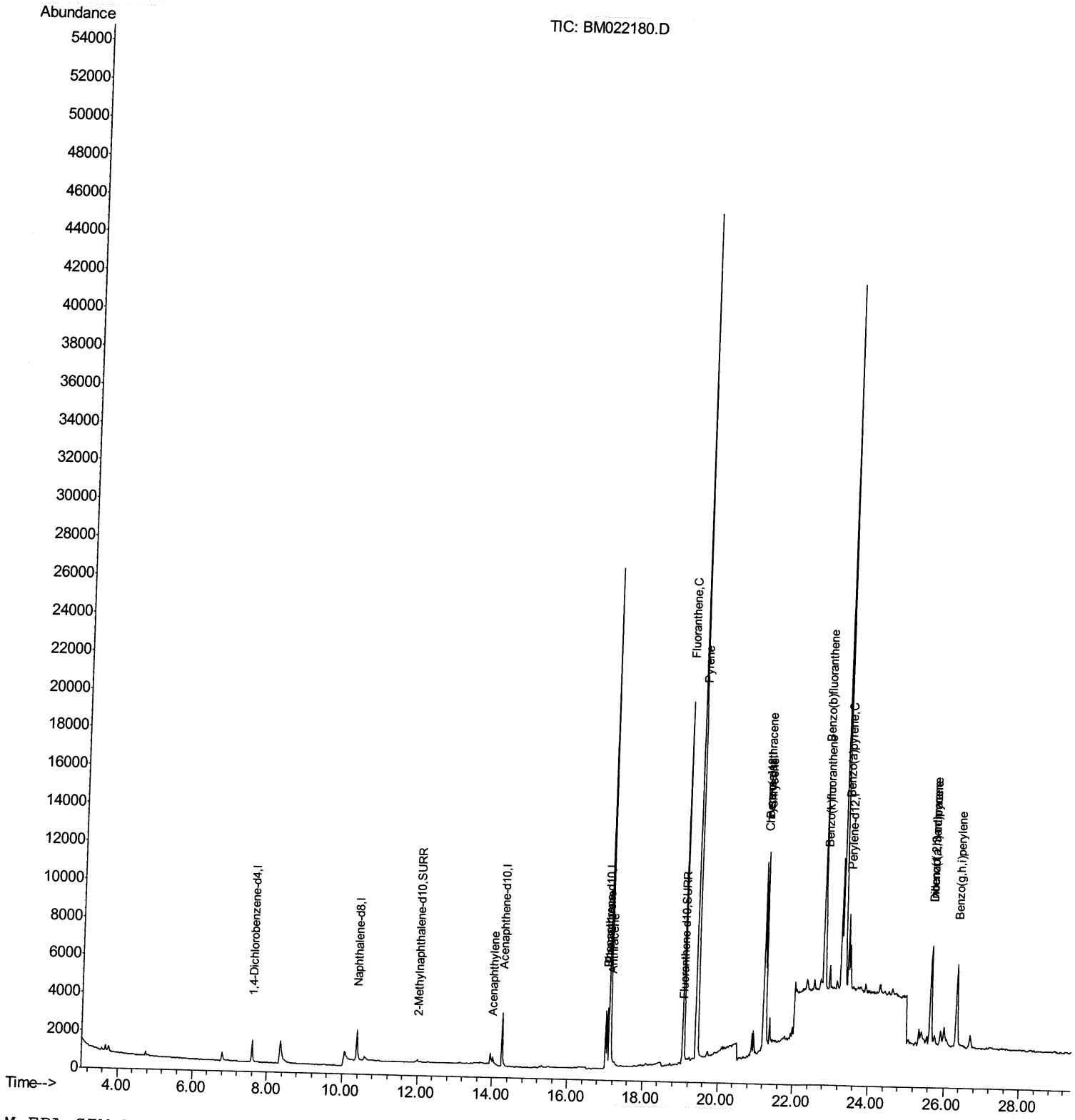
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 05:09:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
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Sample : K4183-13DL 5X
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Quant Time: Aug 17 05:07:20 2019
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ClientSampleId :
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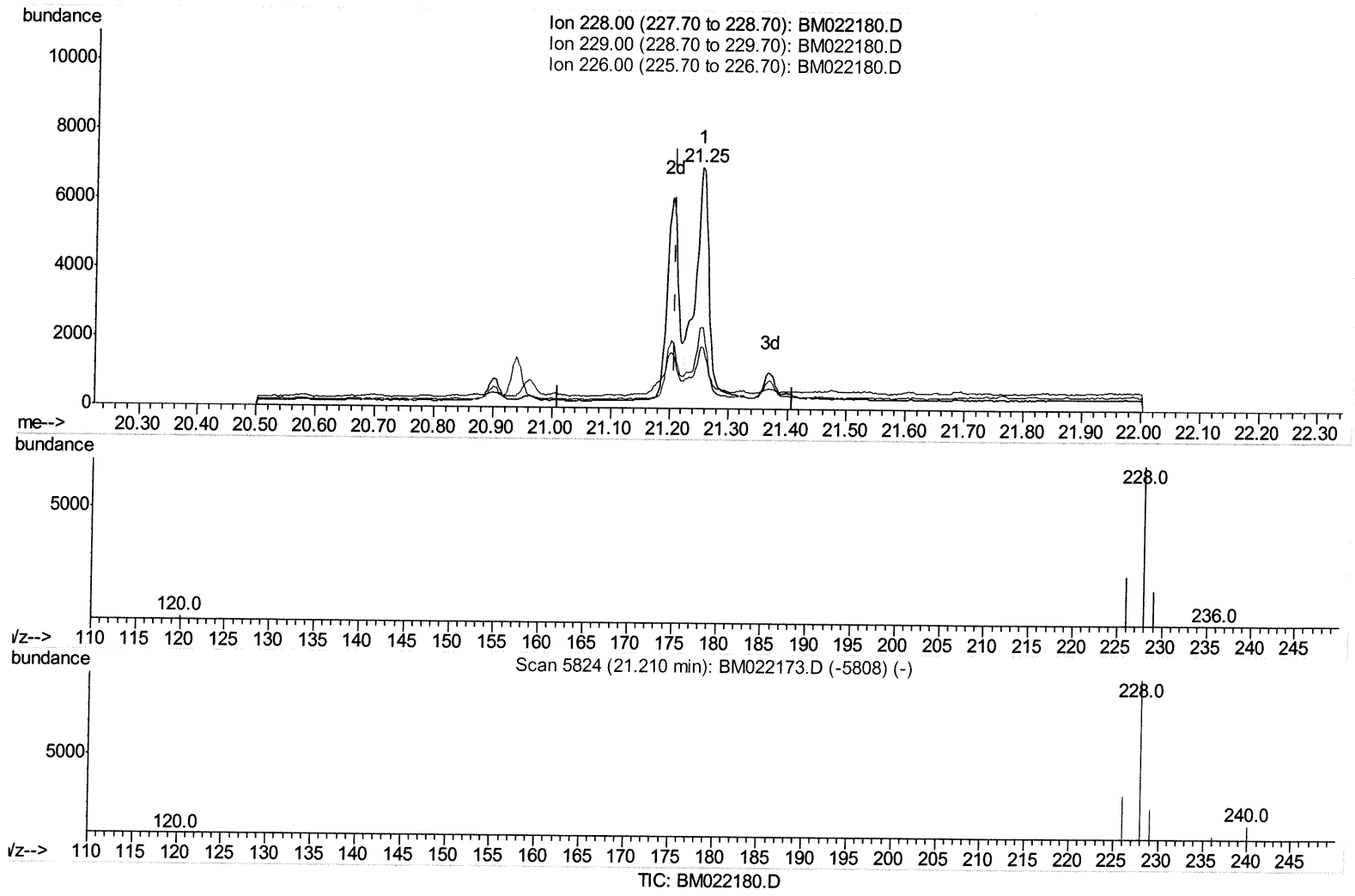
Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



(18) Benzo(a)anthracene

21.253min (+0.043) 0.69ng/ul

response 11003

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	25.38
226.00	28.30	33.85
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
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Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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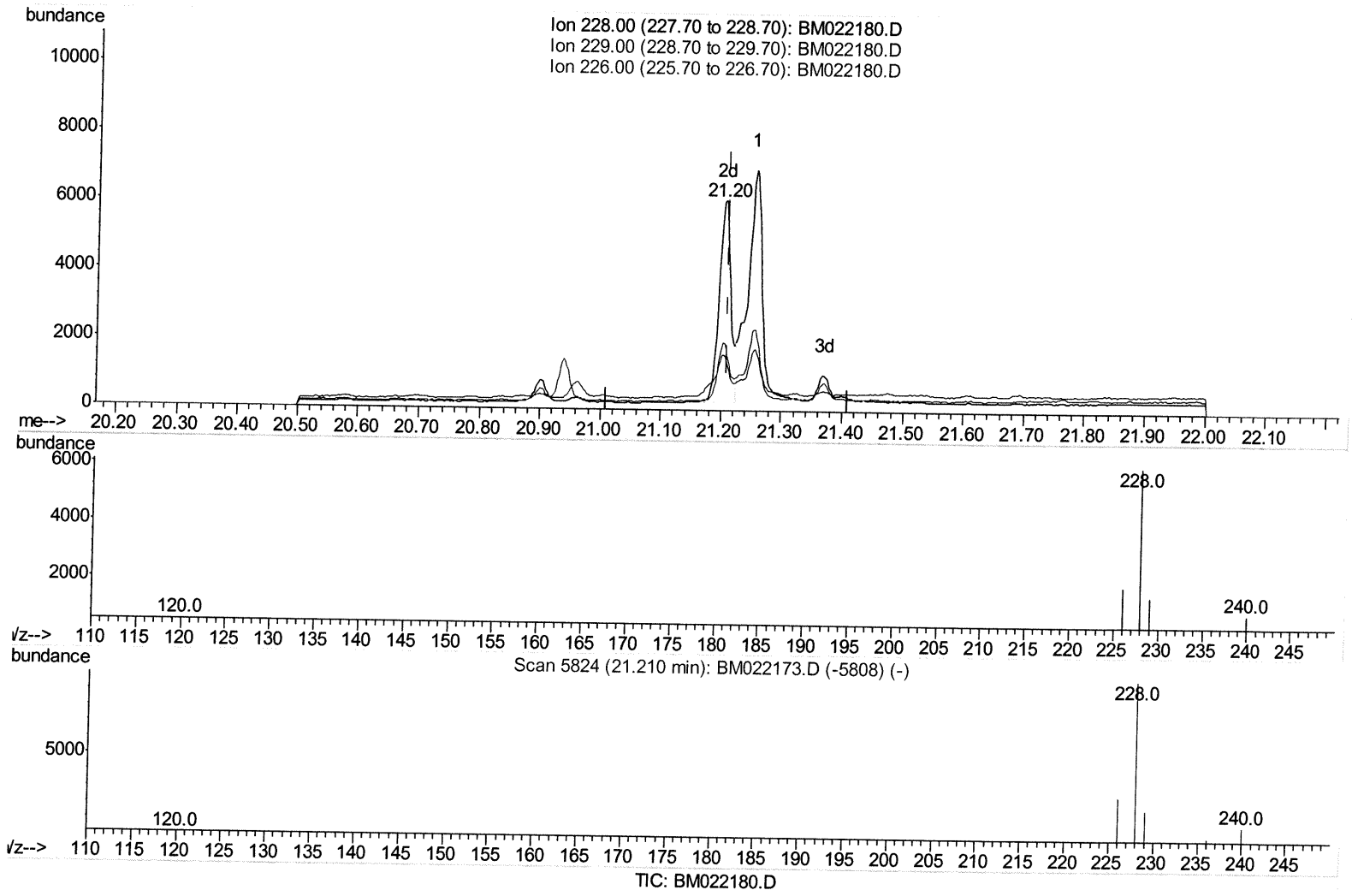
Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



(18) Benzo(a)anthracene

21.205min (-0.005) 0.51ng/ul m JU 08/20/19

response 8169

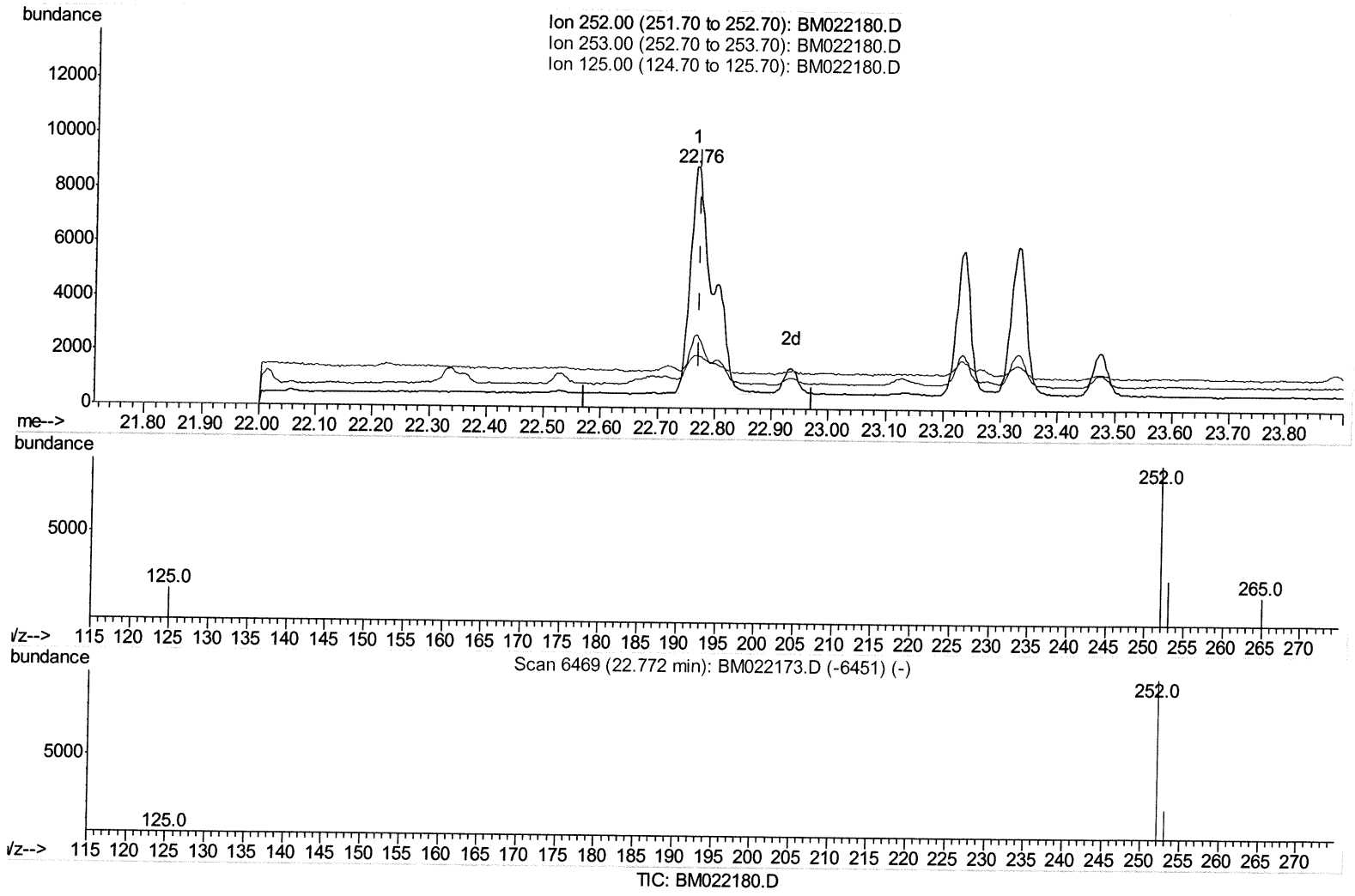
Ion	Exp%	Act%
228.00	100	100
229.00	21.50	26.21#
226.00	28.30	31.96
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 05:07:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



(21) Benzo(b)fluoranthene

22.764min (-0.007) 1.42ng/ul

response 23455

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.09
125.00	15.50	21.65
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 05:07:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
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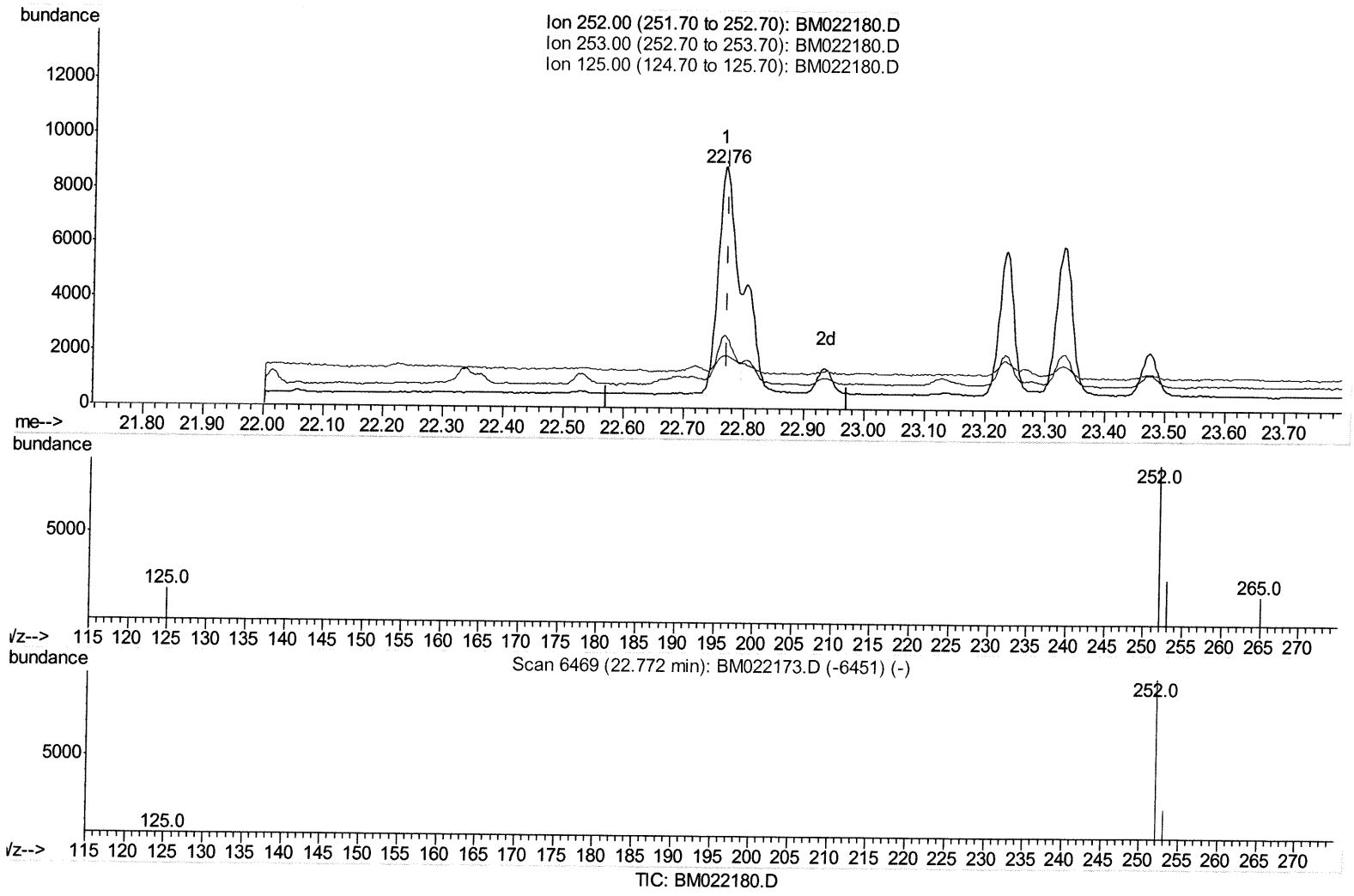


TIC: BM022180.D

(21) Benzo(b)fluoranthene

22.764min (-0.007) 1.04ng/ul m JU 08/20/19

response 17125

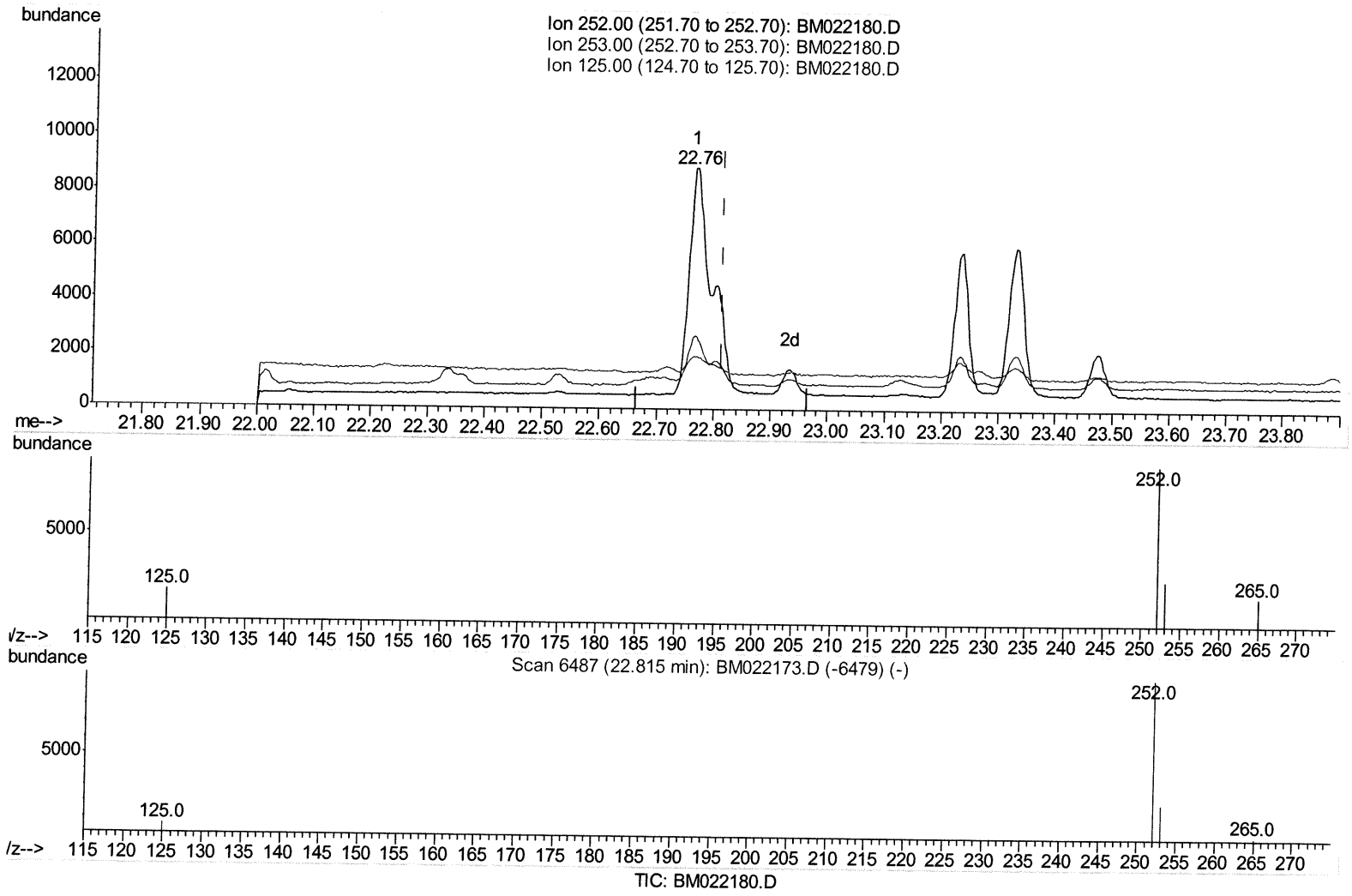
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.09
125.00	15.50	21.65
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 05:07:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



TIC: BM022180.D

(22) Benzo(k)fluoranthene

22.764min (-0.051) 1.26ng/ul

response 23455

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.09
125.00	15.20	21.65#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 05:07:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
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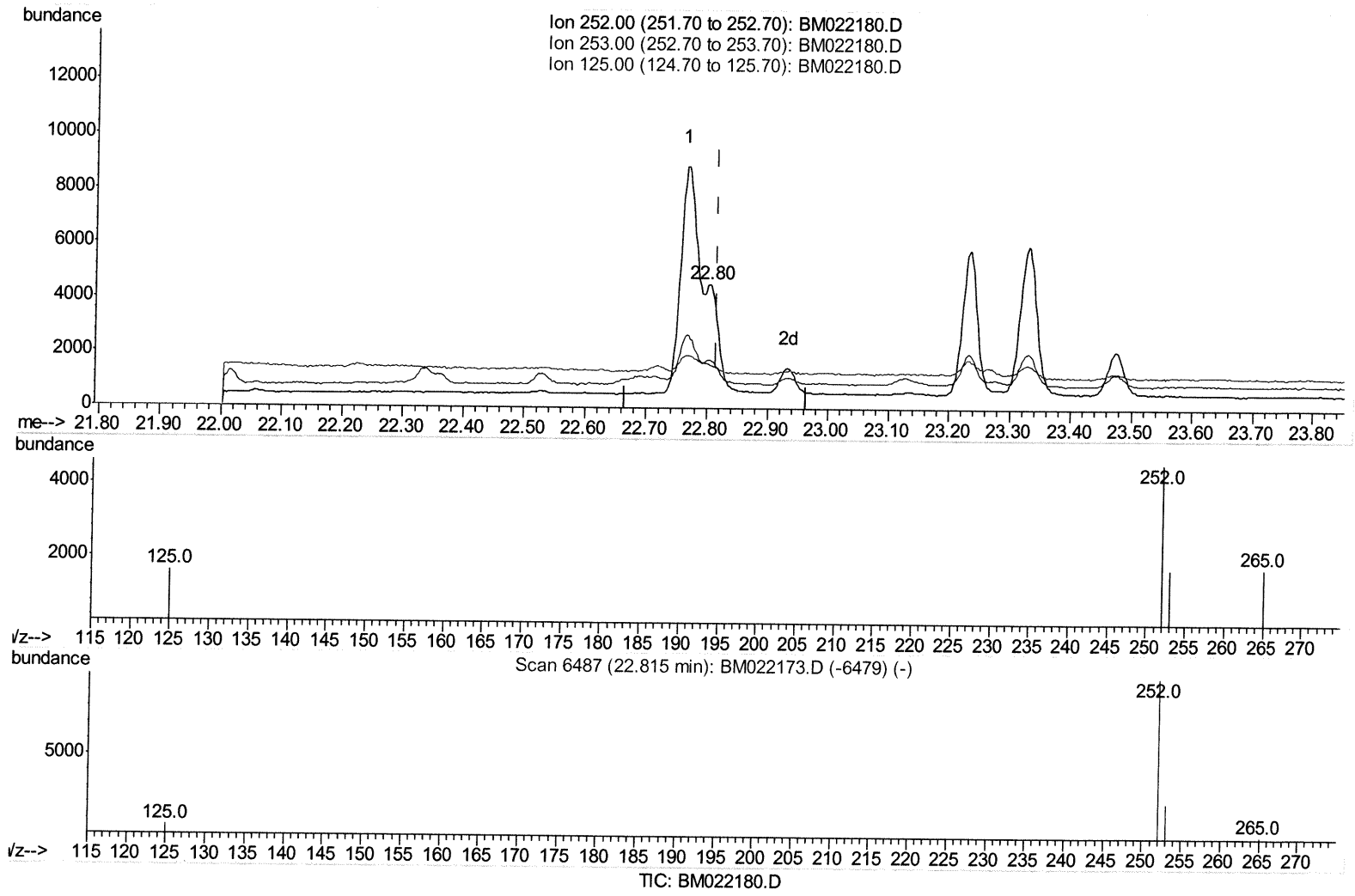
Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM



(22) Benzo(k)fluoranthene

22.803min (-0.012) 0.32ng/ul m JV 08/20/19

response 5916

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	38.38
125.00	15.20	35.69#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022180.D
Acq On : 16 Aug 2019 21:16
Operator : HP/JU
Sample : K4183-13DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF2DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:29 PM

Quant Time: Aug 17 05:09:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	719	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	3152	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1862	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	4231	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	4462	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	4897	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	209	0.04	ng/ul	0.03
14) Fluoranthene-d10	19.05	212	645	0.05	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	13.98	152	266	0.031	ng/ul#	54
12) Phenanthrene	17.05	178	3545	0.288	ng/ul	98
13) Anthracene	17.15	178	674	0.064	ng/ul#	73
15) Fluoranthene	19.08	202	17802	1.079	ng/ul	96
17) Pyrene	19.45	202	15760	0.860	ng/ul	98
18) Benzo(a)anthracene	21.20	228	8169m	0.512	ng/ul	98
19) Chrysene	21.25	228	11319	0.551	ng/ul#	93
21) Benzo(b)fluoranthene	22.76	252	17125m	1.037	ng/ul	96
22) Benzo(k)fluoranthene	22.80	252	5916m	0.317	ng/ul	96
23) Benzo(a)pyrene	23.33	252	10254	0.611	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.64	276	9089	0.453	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.64	278	2064	0.127	ng/ul#	17
26) Benzo(g,h,i)perylene	26.32	276	9151	0.507	ng/ul#	90

JU 08/20/19
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(#) = qualifier out of range (m) = manual integration (+) = signals summed