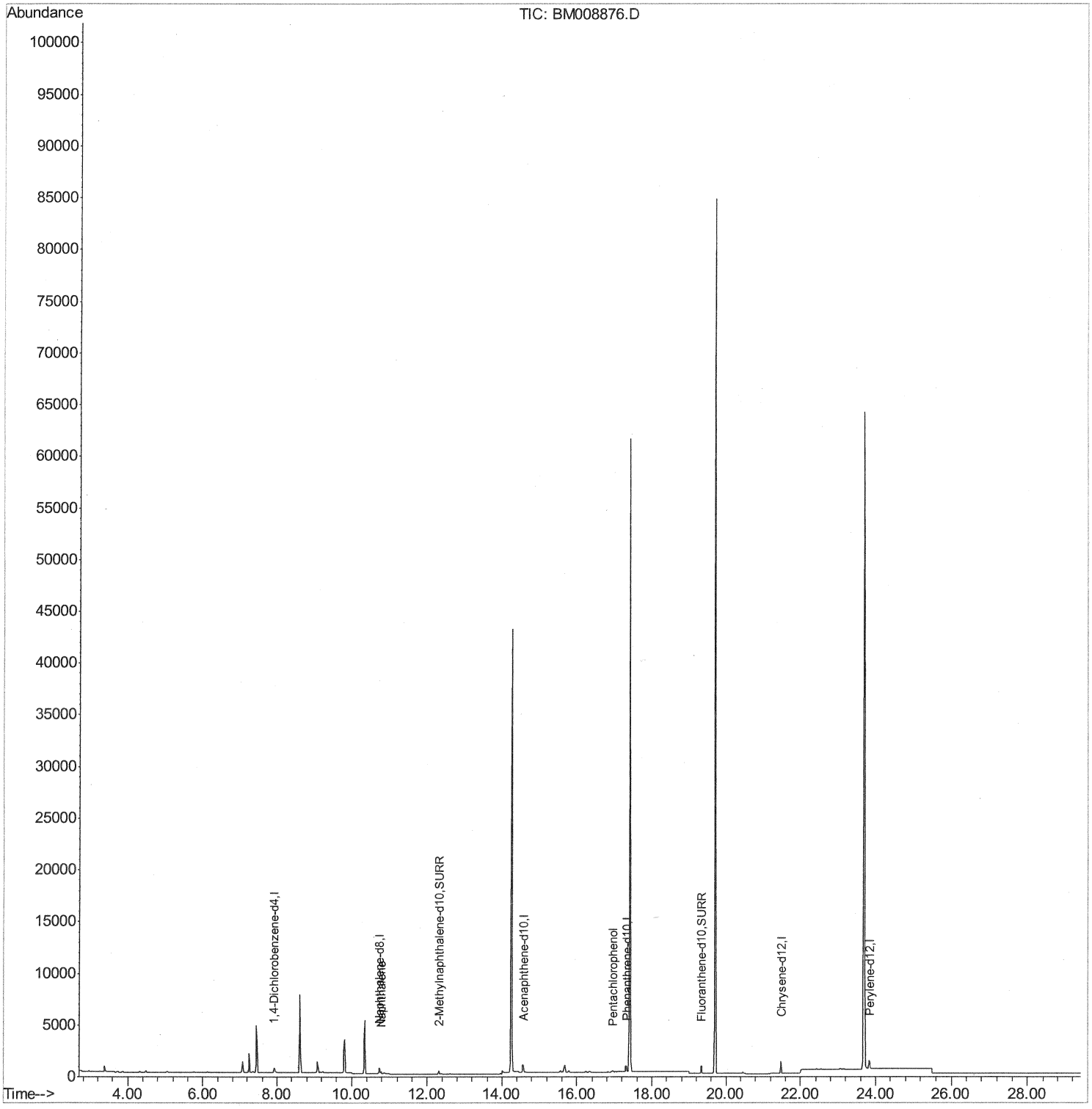
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 26 13:28:57 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM

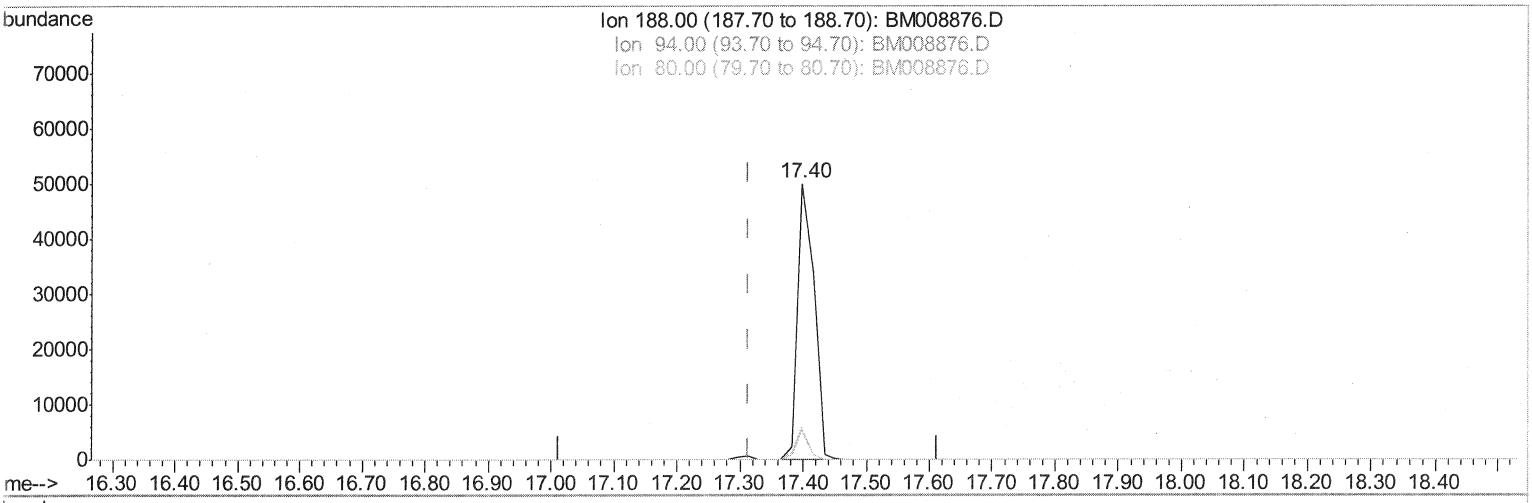


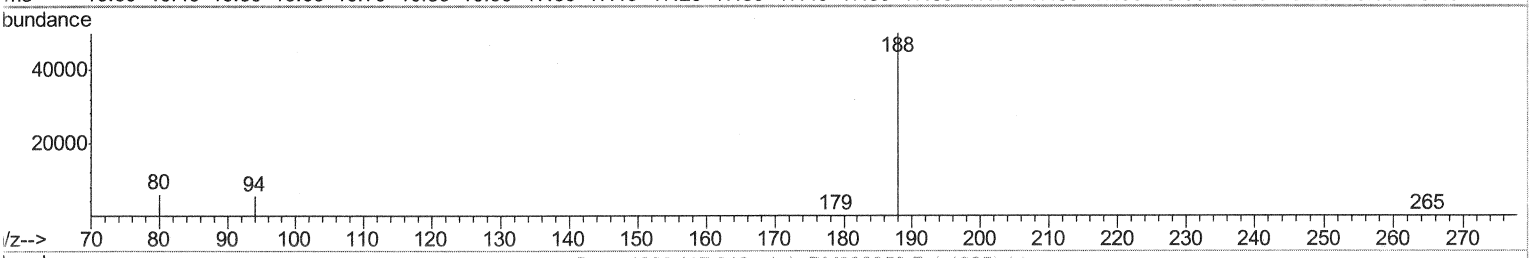
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

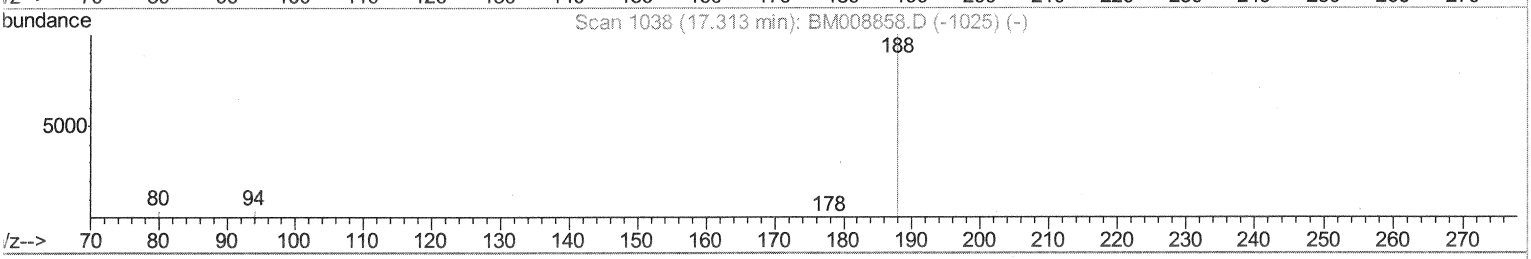
Quant Time: Jan 26 13:26:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM







TIC: BM008876.D

(10) Phenanthrene-d10 (I)

17.399min (+0.086) 0.40ng/ul

response 89676

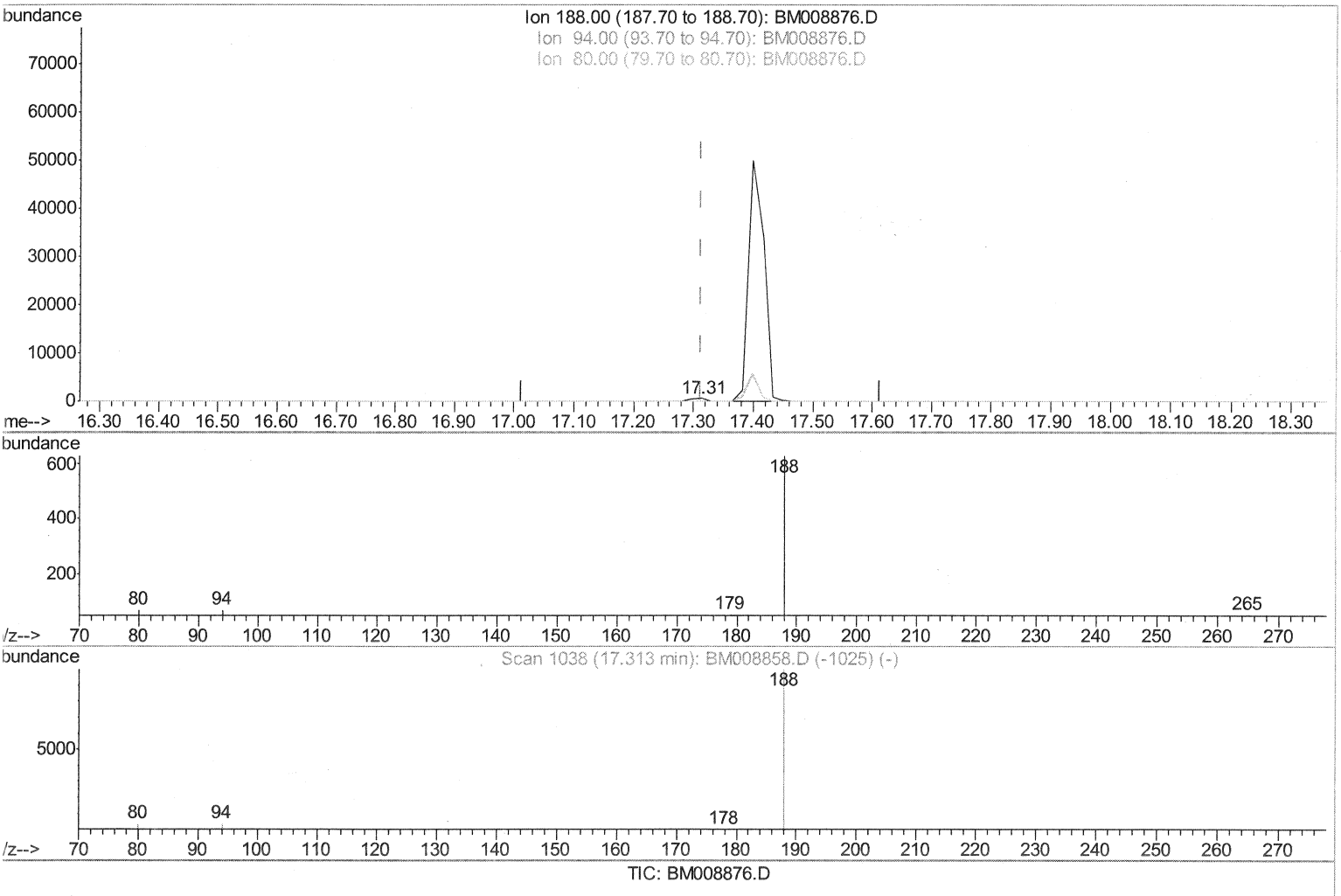
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.75
80.00	11.80	11.90
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 26 13:26:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM



TIC: BM008876.D

(10) Phenanthrene-d10 (I)

17.313min (-0.000) 0.40ng/ul m SJ 1/27/17

response 1063

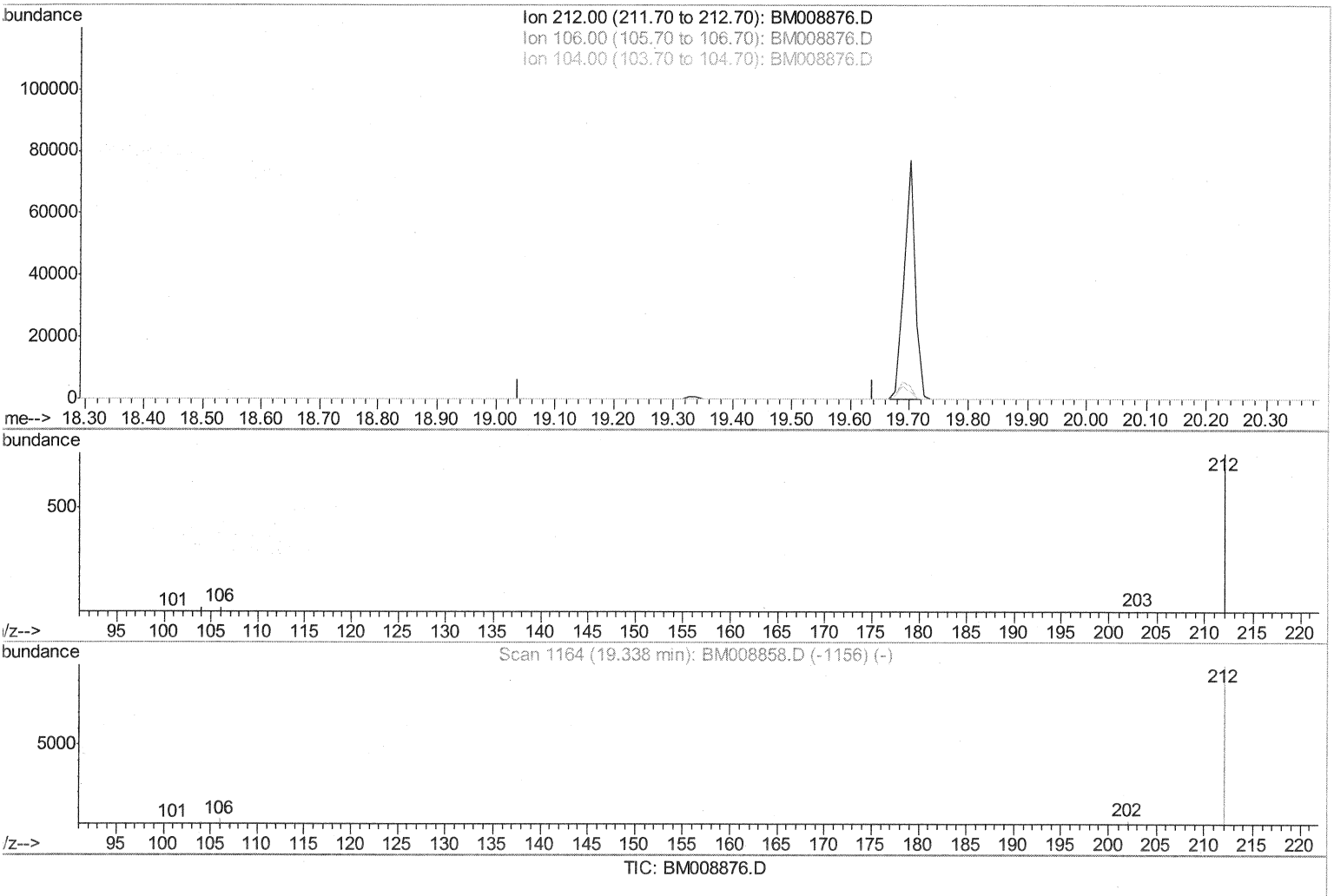
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.65
80.00	11.80	10.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 26 13:27:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM



TIC: BM008876.D

(14) Fluoranthene-d10 (SURR)

19.338min (-19.338) 0.00ng/ul

response 0

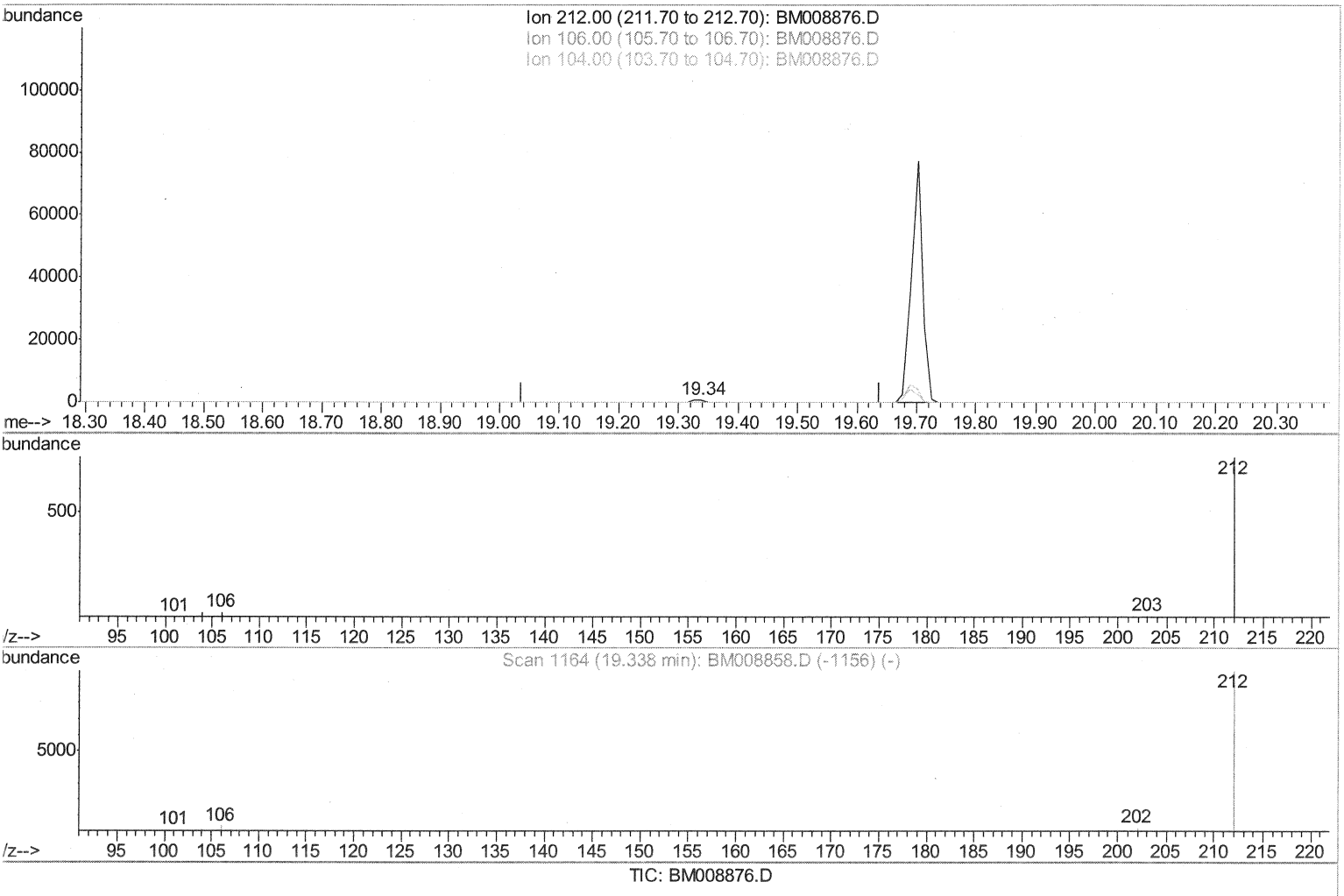
Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 26 13:27:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM



TIC: BM008876.D

(14) Fluoranthene-d10 (SURR)

19.338min (-0.000) 0.33ng/ul m SJ 1/27/17

response 1040

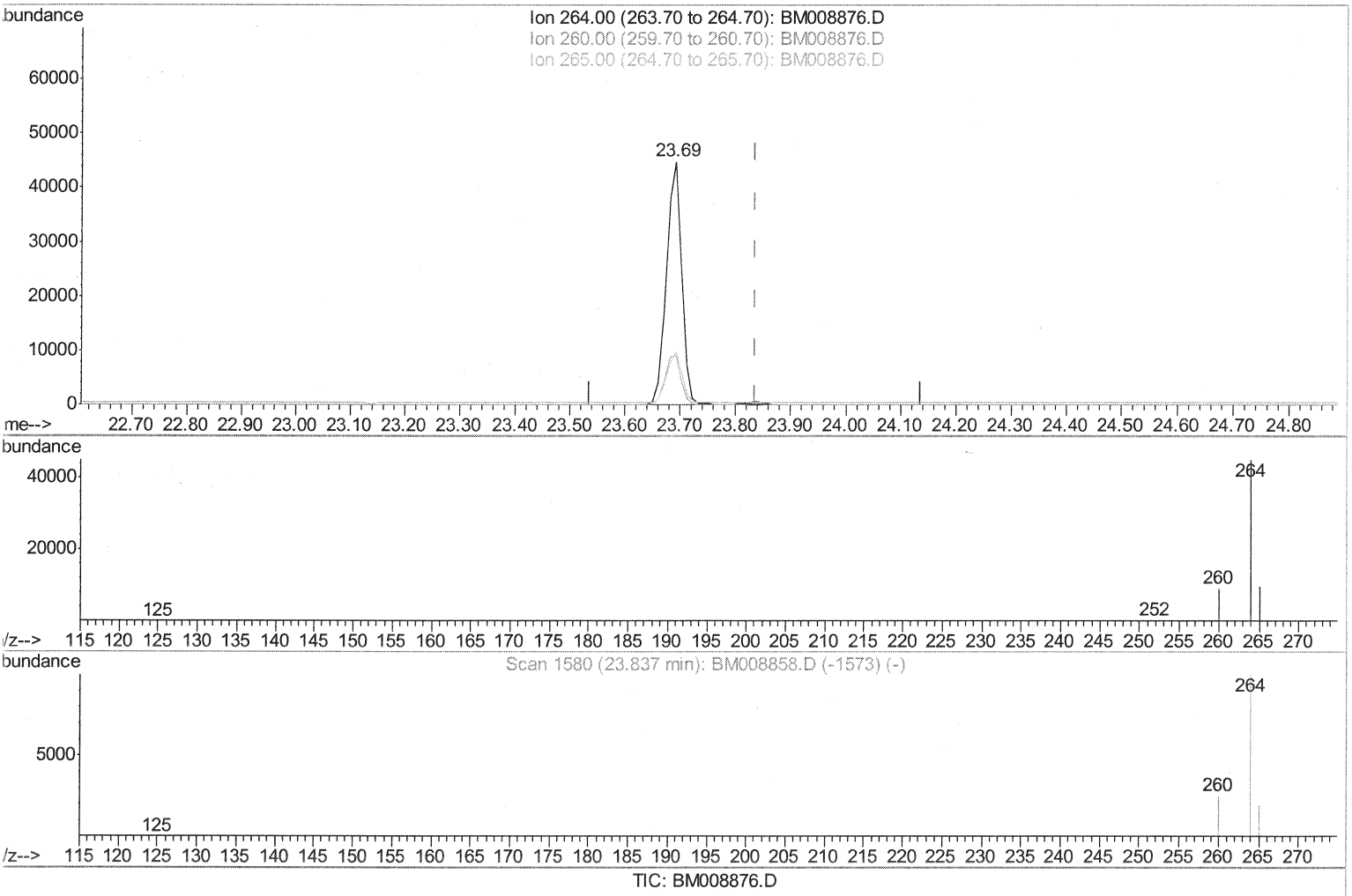
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 26 13:27:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM



TIC: BM008876.D

(20) Perylene-d12 (I)

23.691min (-0.146) 0.40ng/ul

response 86367

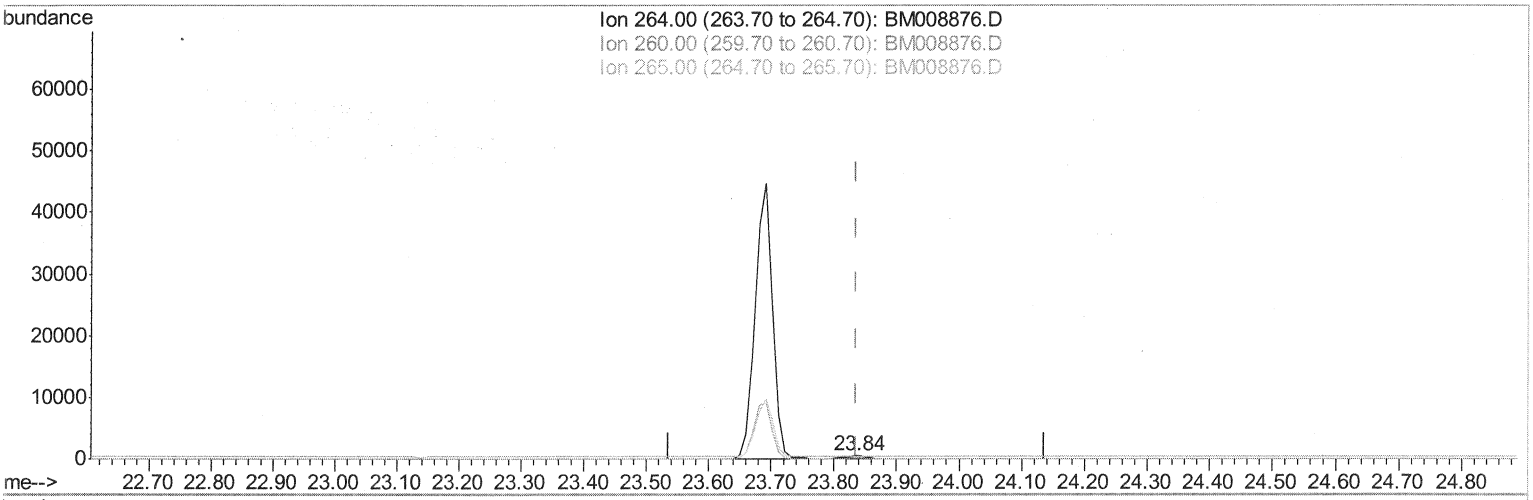
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.37#
265.00	103.50	21.72#
0.00	0.00	0.00

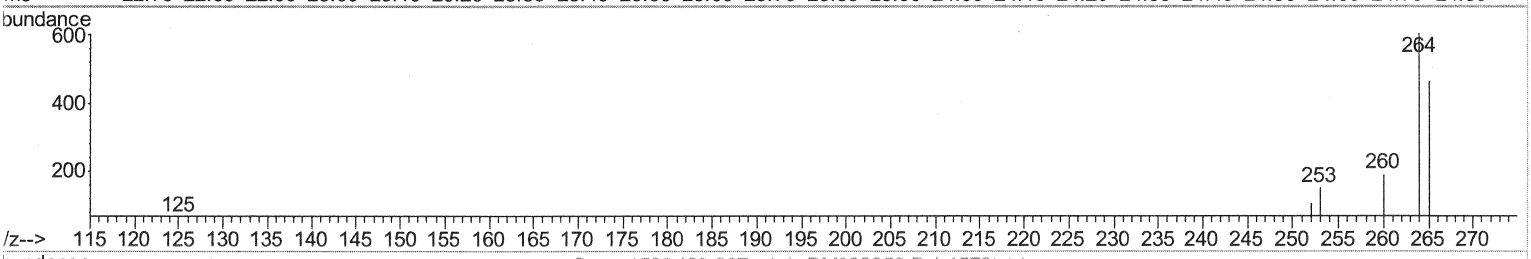
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
ALS Vial : 19 Sample Multiplier: 1

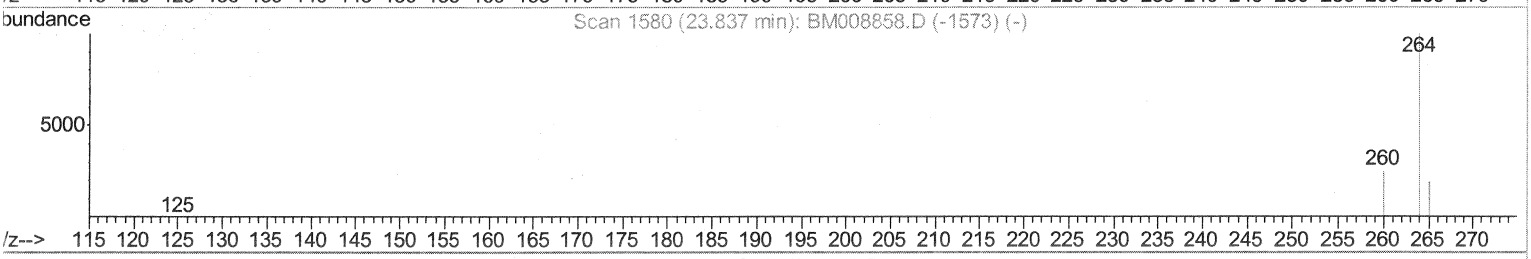
Quant Time: Jan 26 13:27:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM010917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM







TIC: BM008876.D

(20) Perylene-d12 (I)

23.837min (-0.000) 0.40ng/ul m SJ 1/27/17

response 999

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.51
265.00	103.50	77.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012517\
Data File : BM008876.D
Acq On : 25 Jan 2017 23:27
Operator : SJ/MA
Sample : I1323-23
Misc :
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QLast Update : Wed Jan 25 16:35:23 2017
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DA9S3

Manual Integrations APPROVED
mohammad
1/26/2017 5:10:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	223	0.40	ng/ul	0.00
2) Naphthalene-d8	10.73	136	743	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.57	164	533	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	1063m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	1140	0.40	ng/ul	0.00
20) Perylene-d12	23.84	264	999m>	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.32	152	405	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	1040m>	0.33	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.78	128	267	0.13	ng/ul#	54
11) Pentachlorophenol	16.95	266	79	0.16	ng/ul	96

SJ 1/27/17

SJ 1/27/17

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