

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (QT Reviewed)

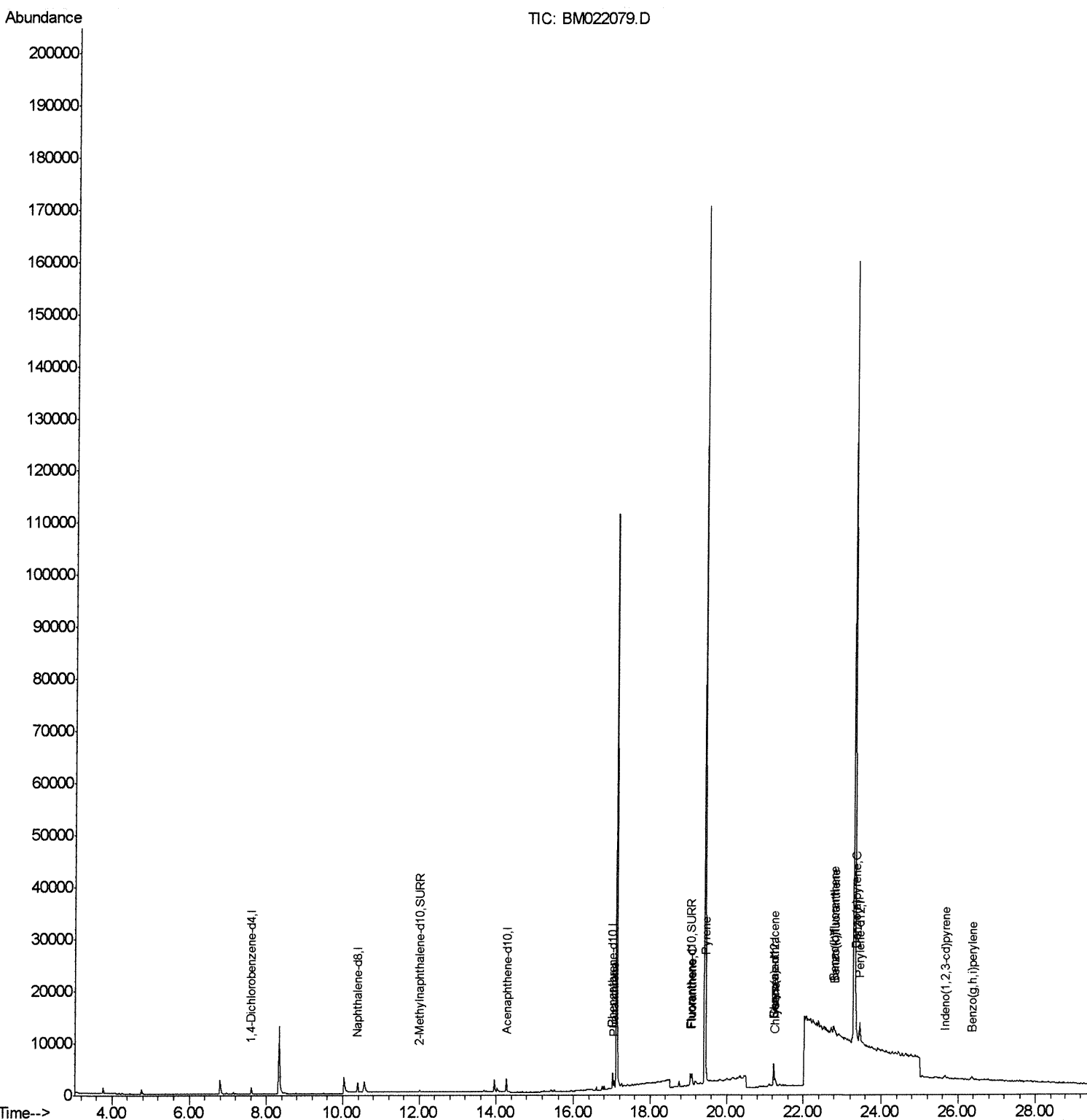
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:59:26 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

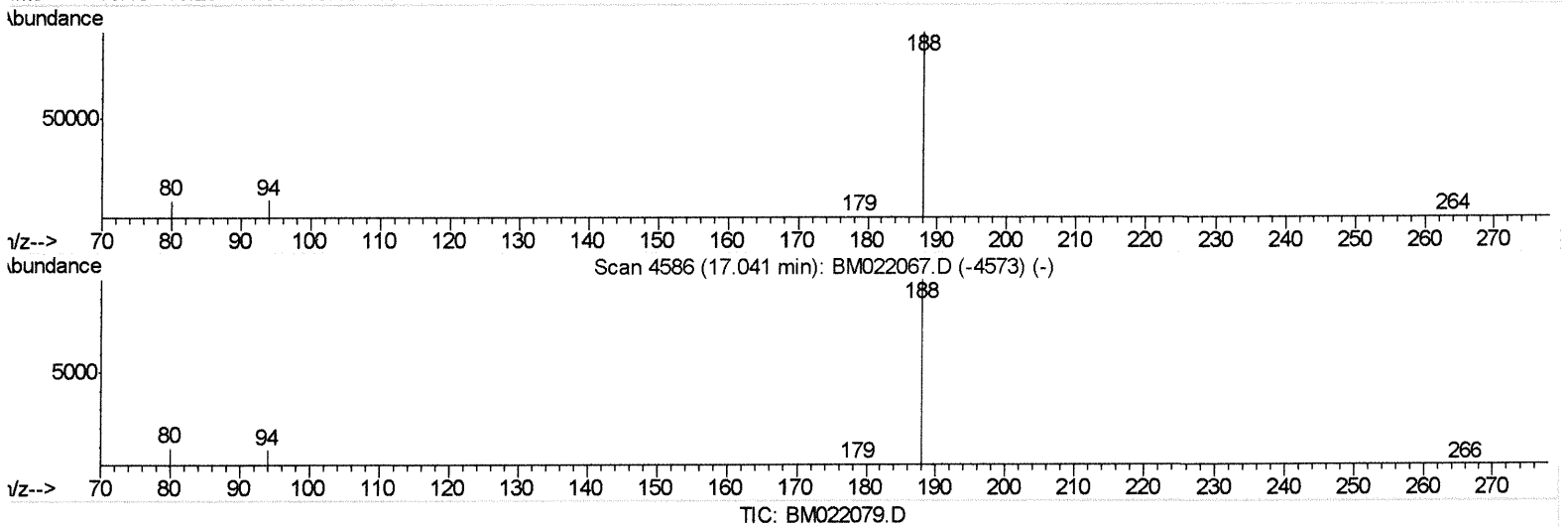
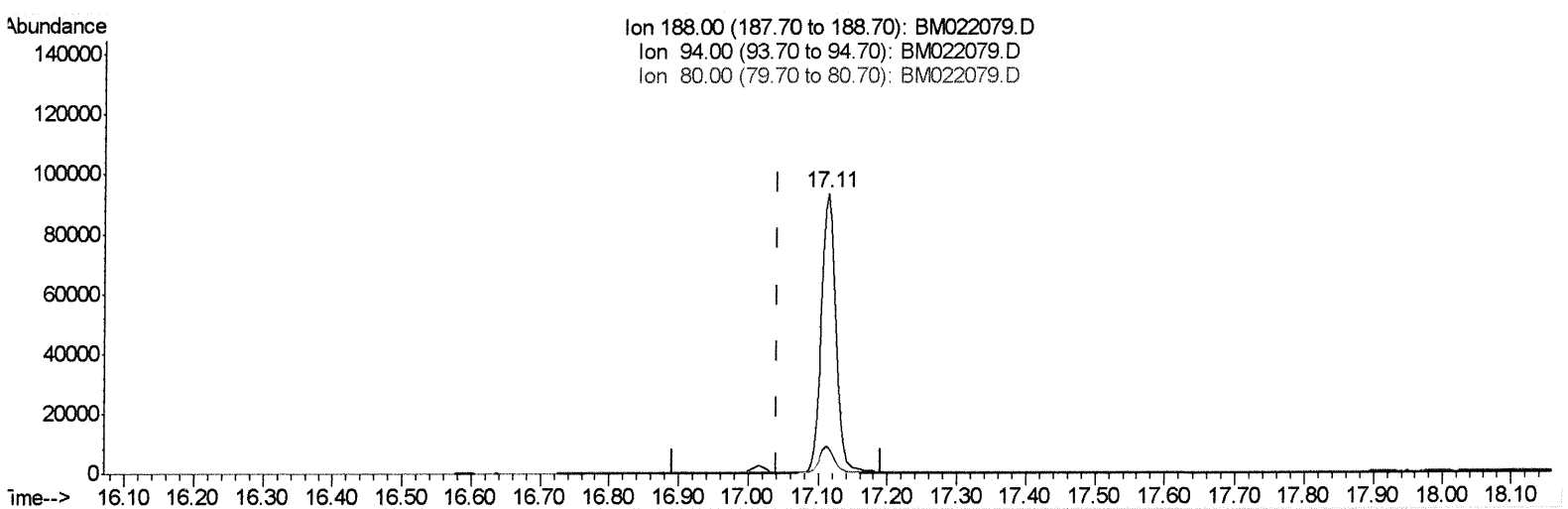
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:22:23 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.114min (+0.073) 0.40ng/ul

response 134516

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.62
80.00	11.40	9.05#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

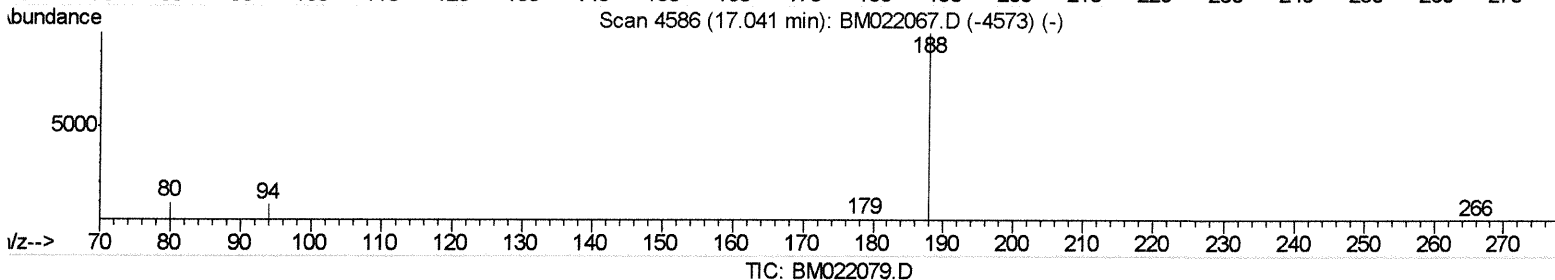
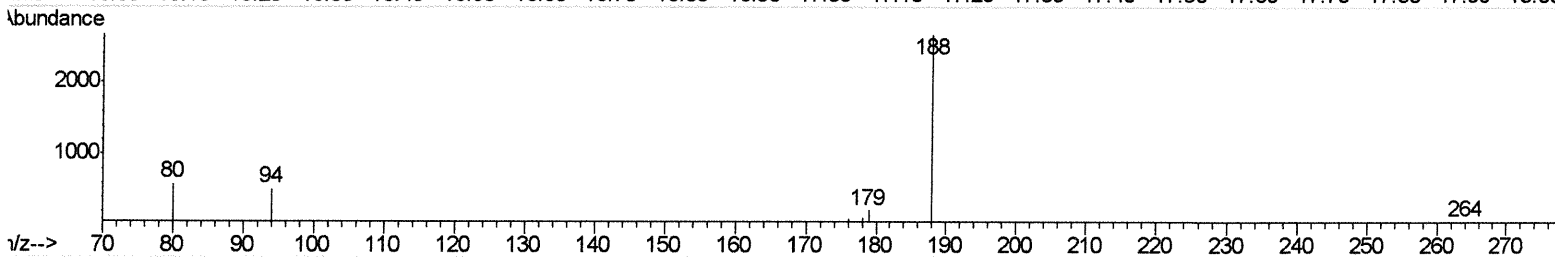
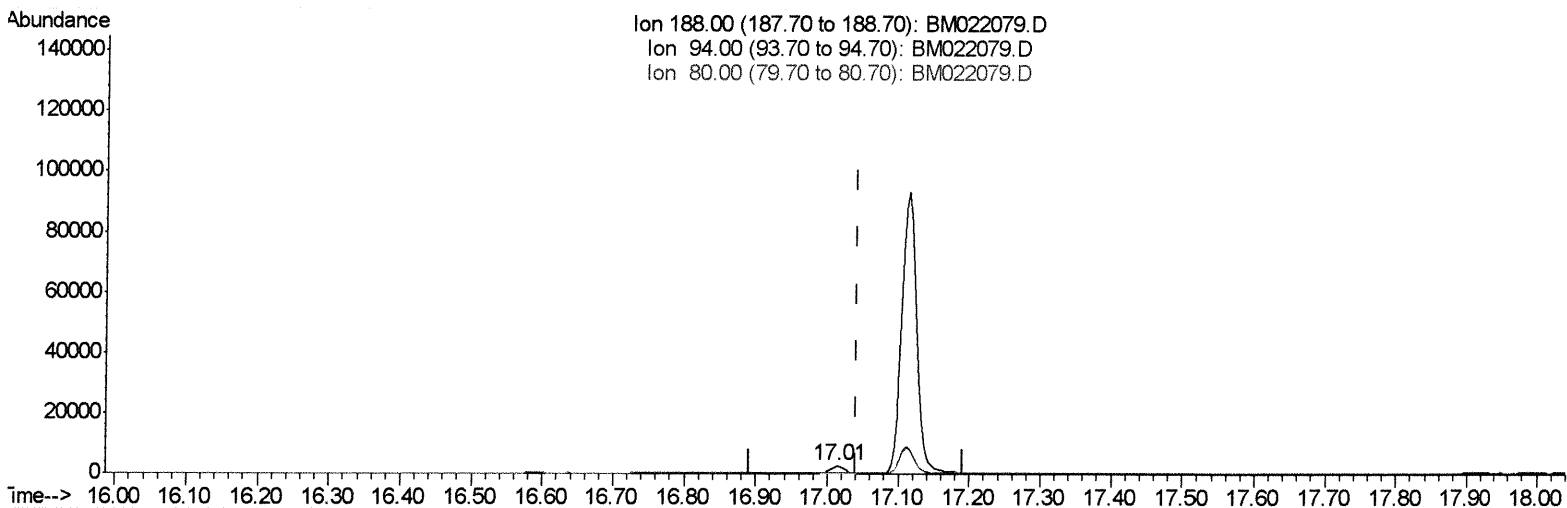
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:22:23 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.013min (-0.028) 0.40ng/ul m *JU* 08/14/19

response 3760

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	19.02#
80.00	11.40	21.73#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

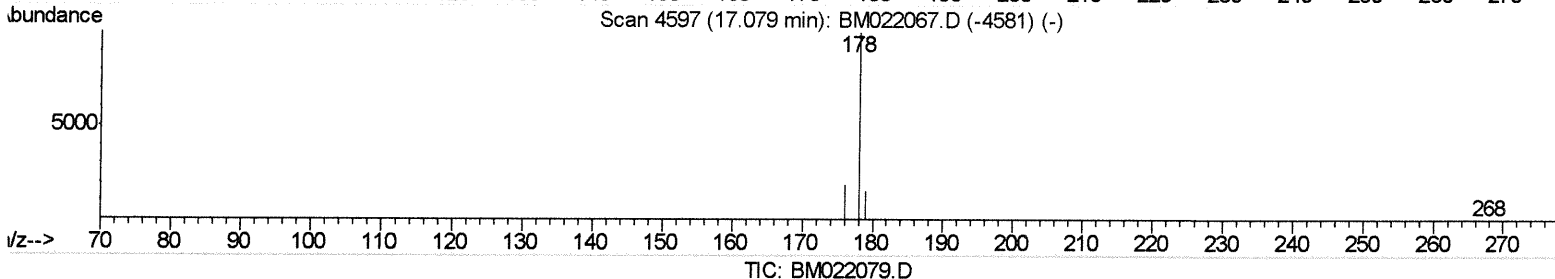
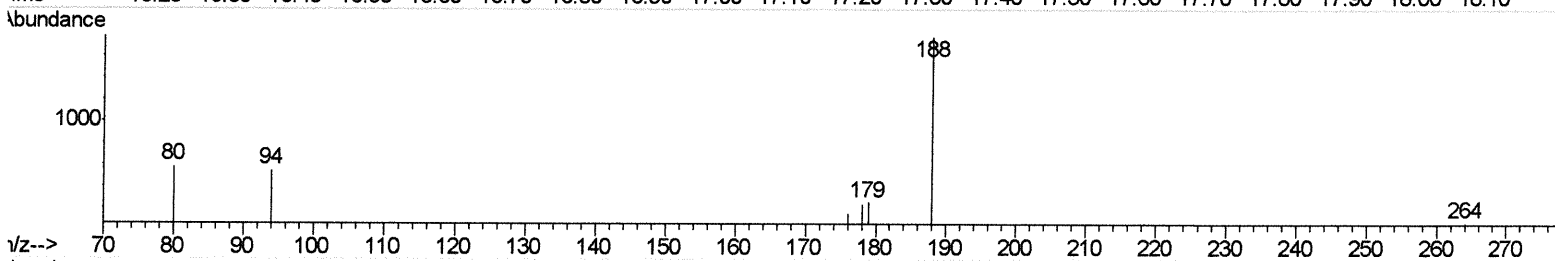
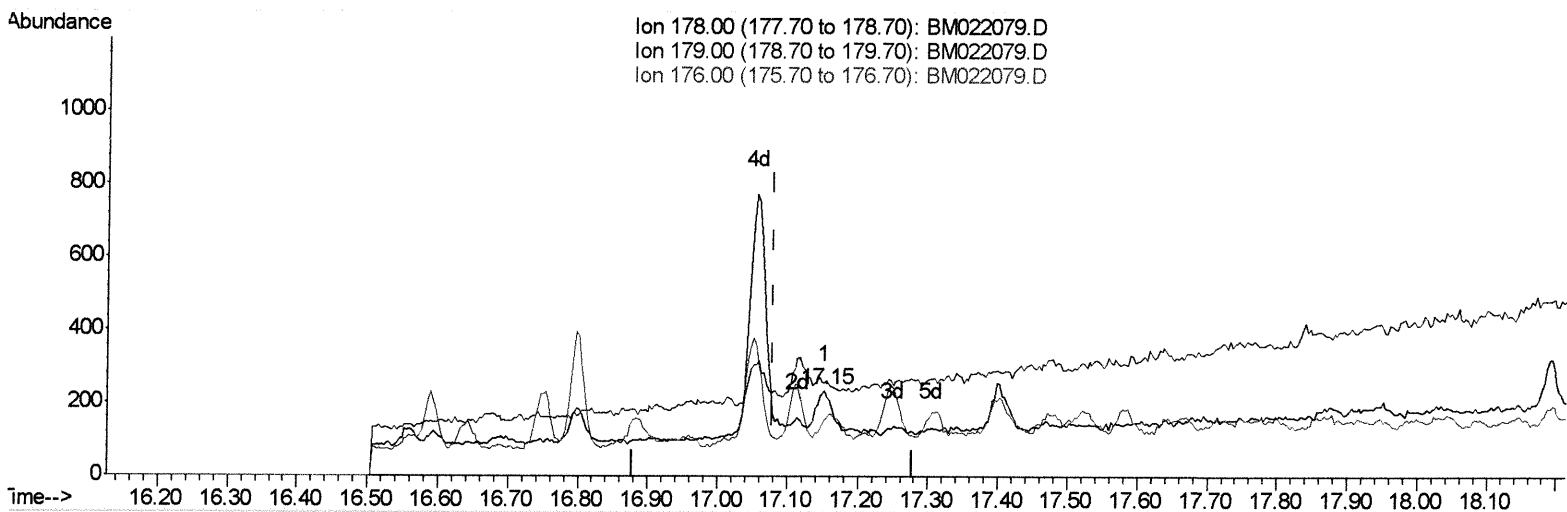
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(12) Phenanthrene

17.152min (+0.073) 0.02ng/ul

response 210

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	108.44#
176.00	21.00	65.40#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

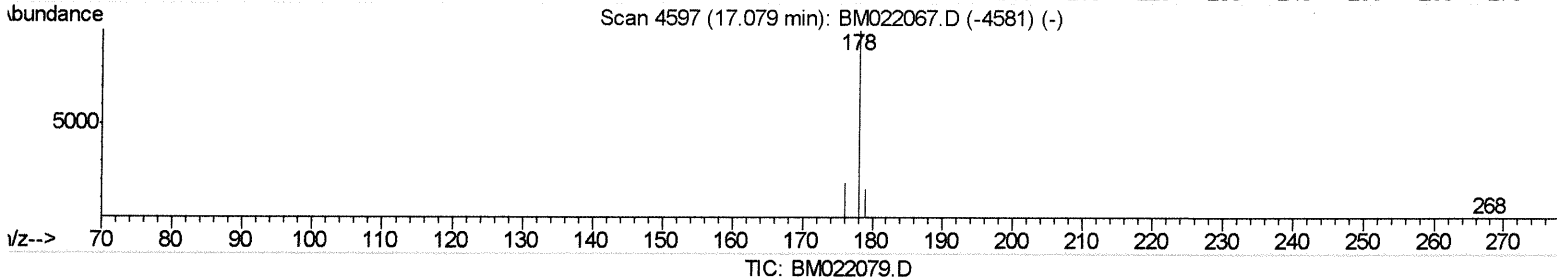
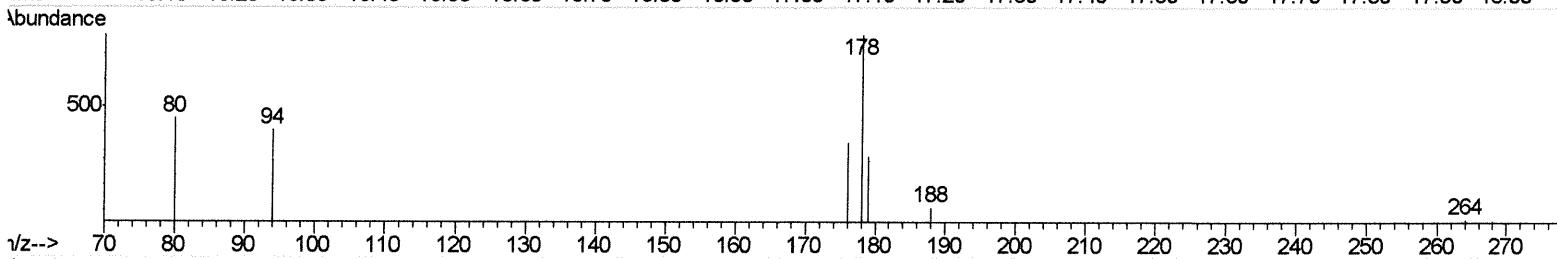
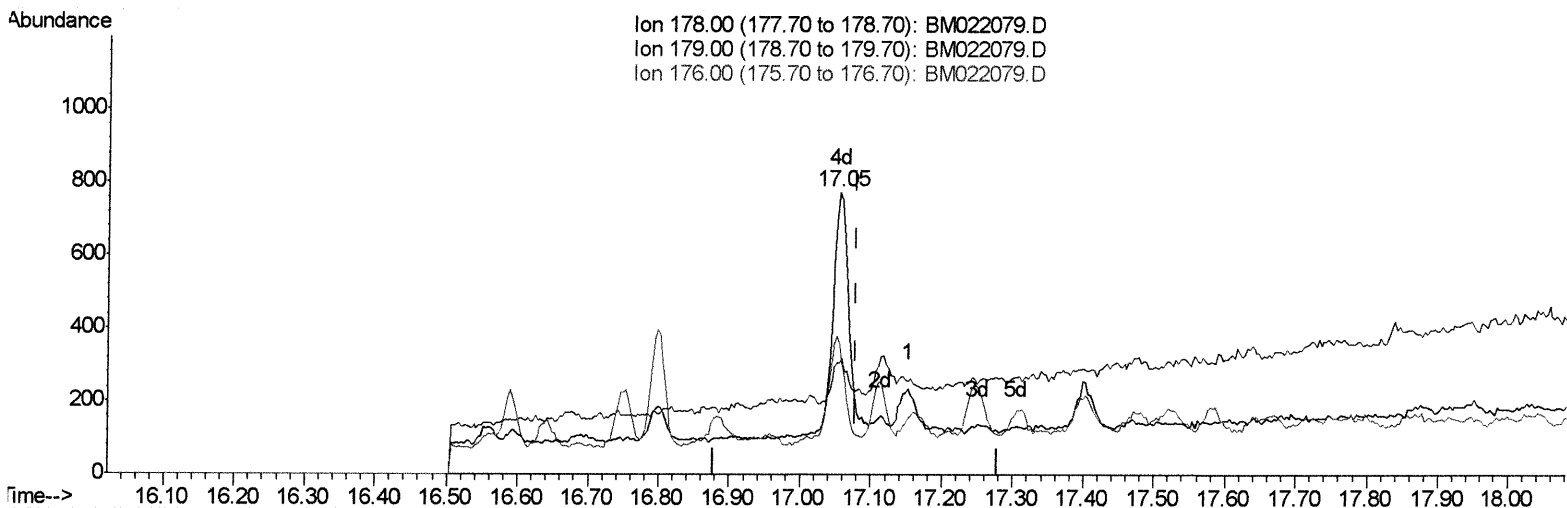
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(12) Phenanthrene

17.055min (-0.024) 0.09ng/ul m

JU 8/14/19

response 1024

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	39.72#
176.00	21.00	46.96#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

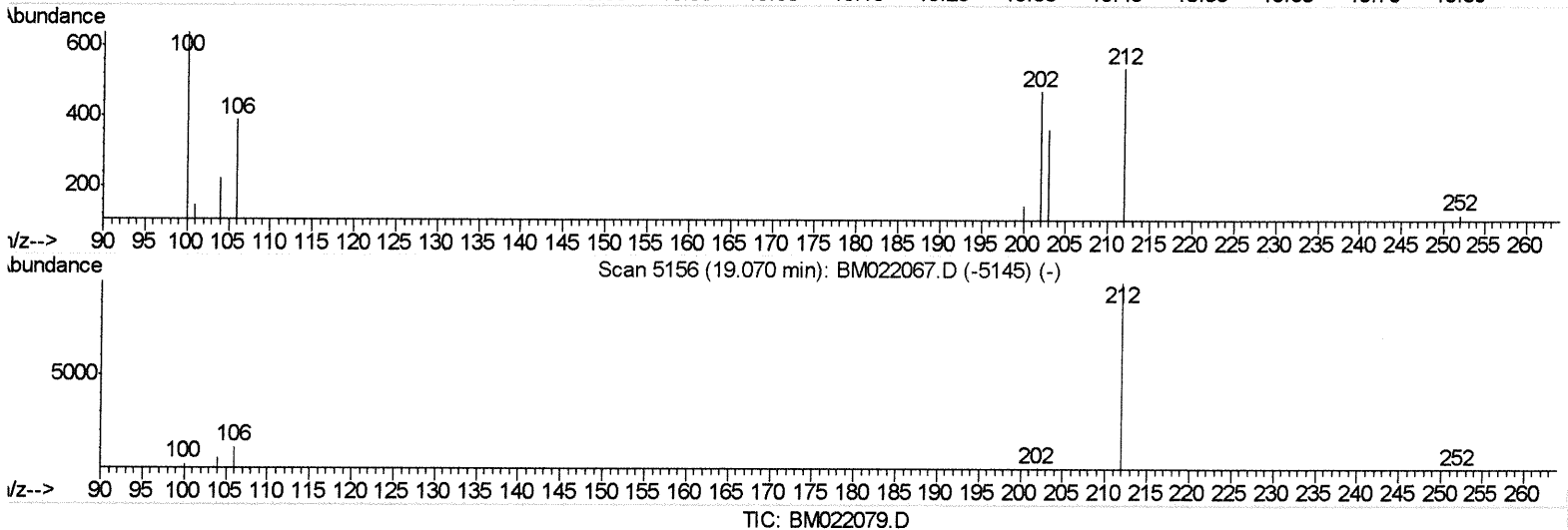
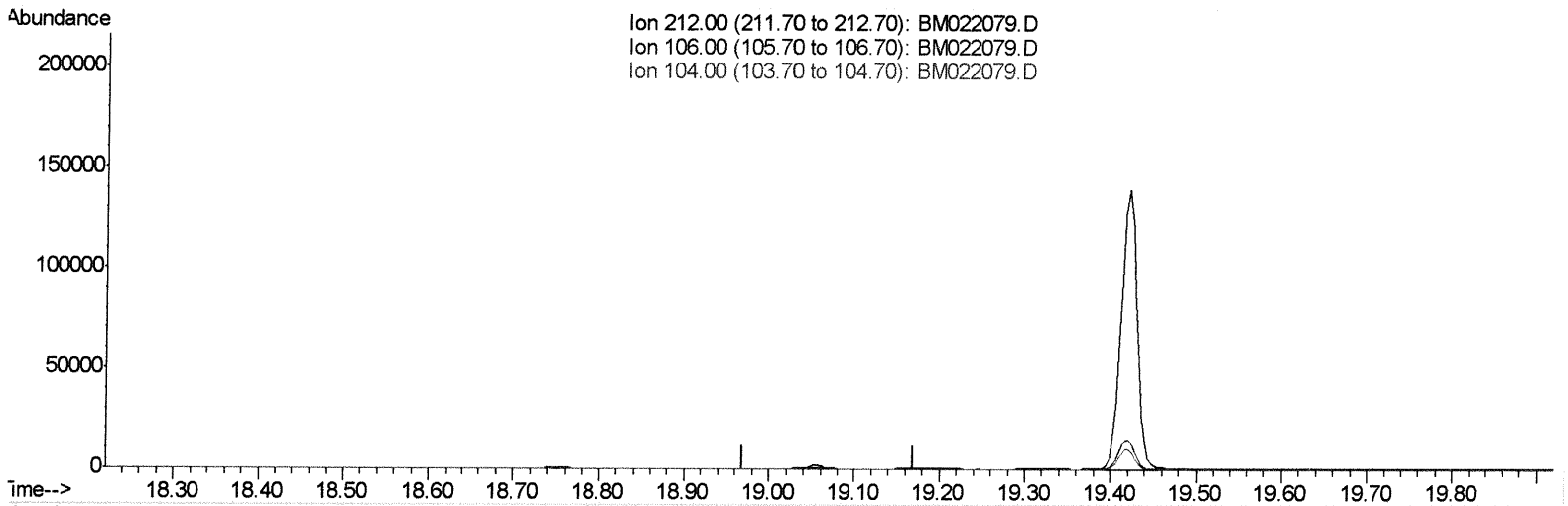
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.070min (-19.070) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

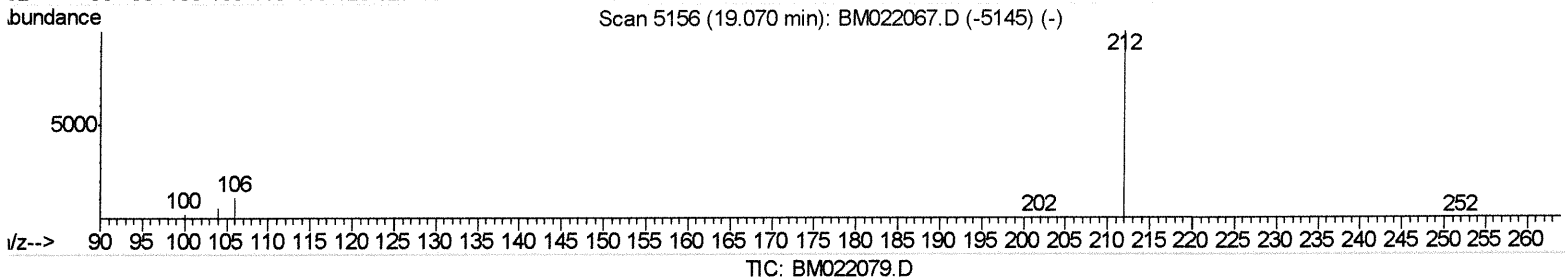
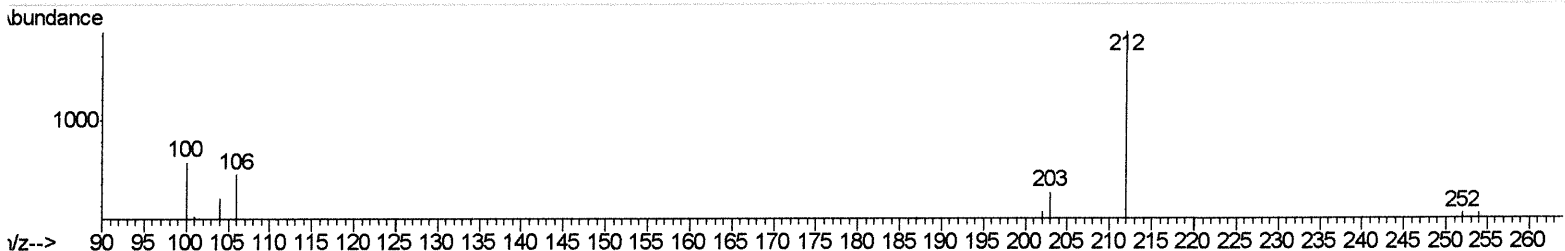
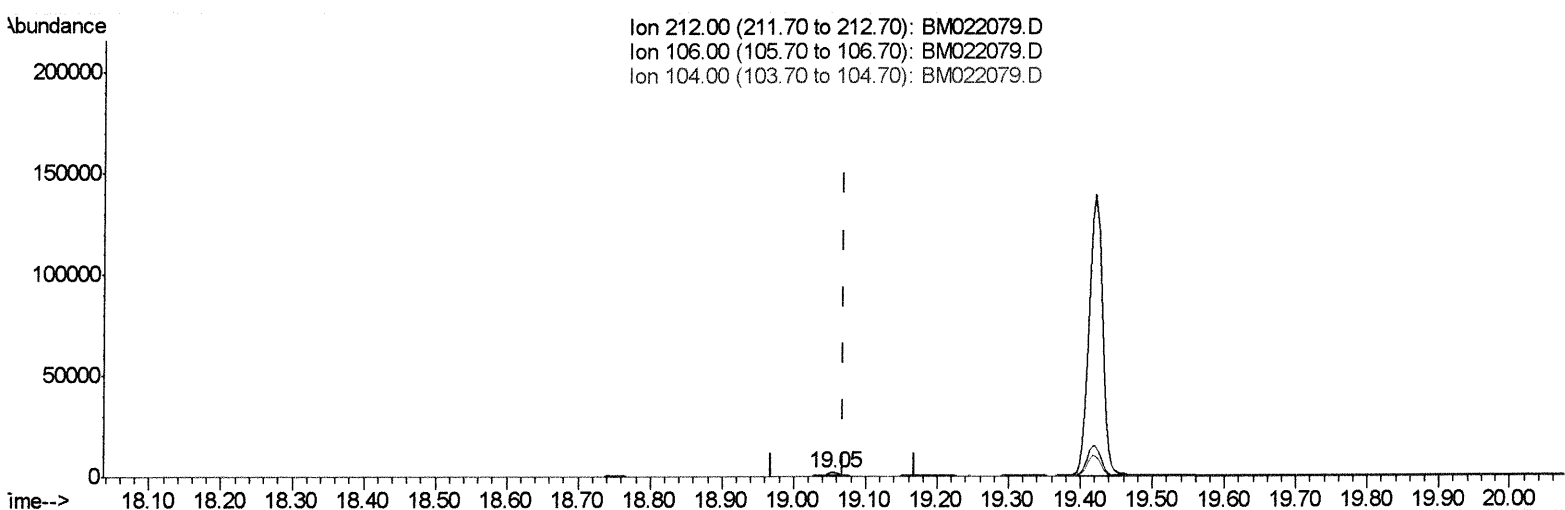
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.054min (-0.015) 0.20ng/ul m

50/14/19

response 2525

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

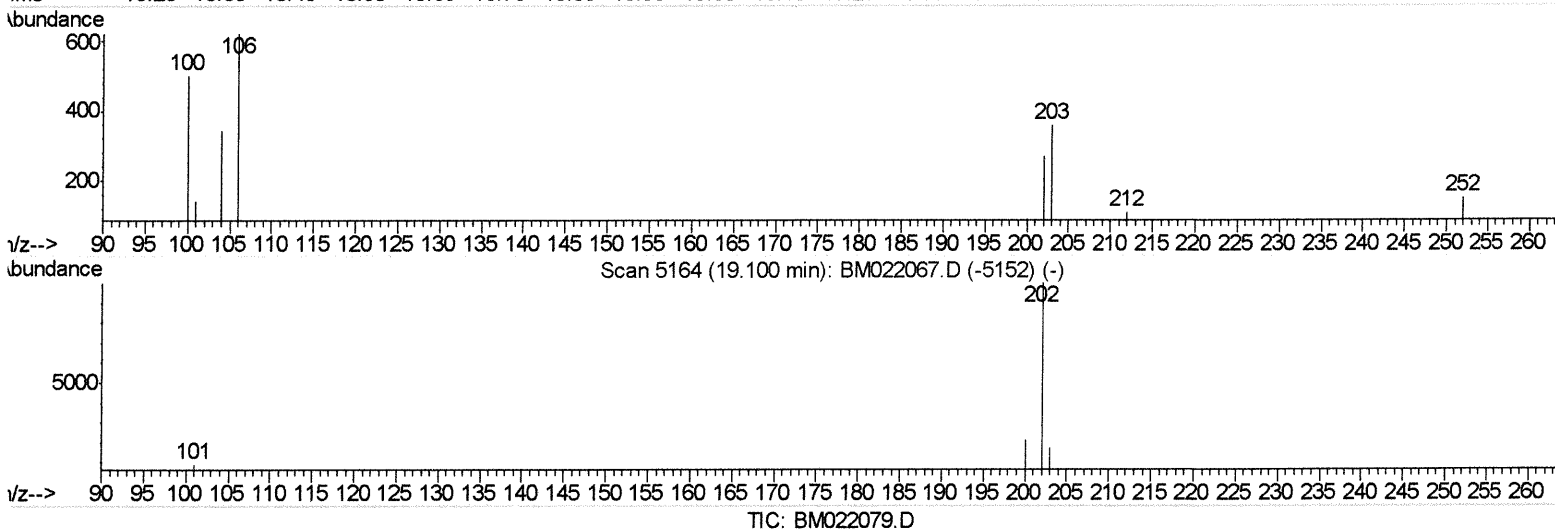
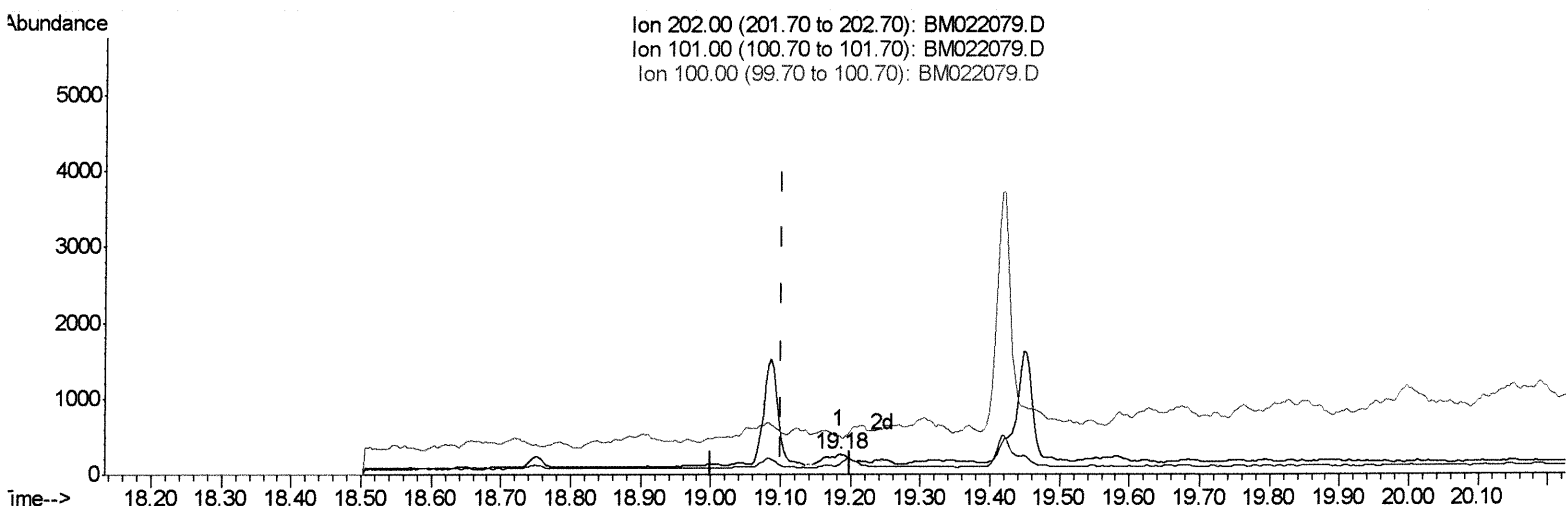
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.184min (+0.084) 0.03ng/ul

response 388

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	52.24#
100.00	8.10	187.31#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

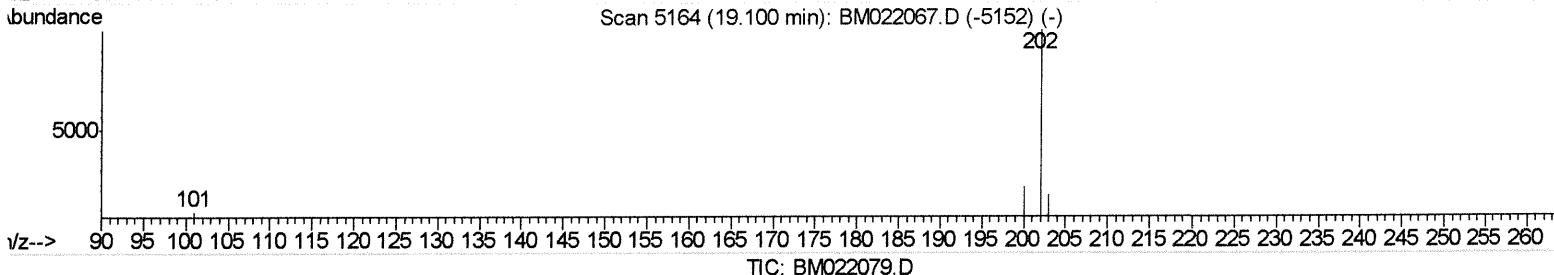
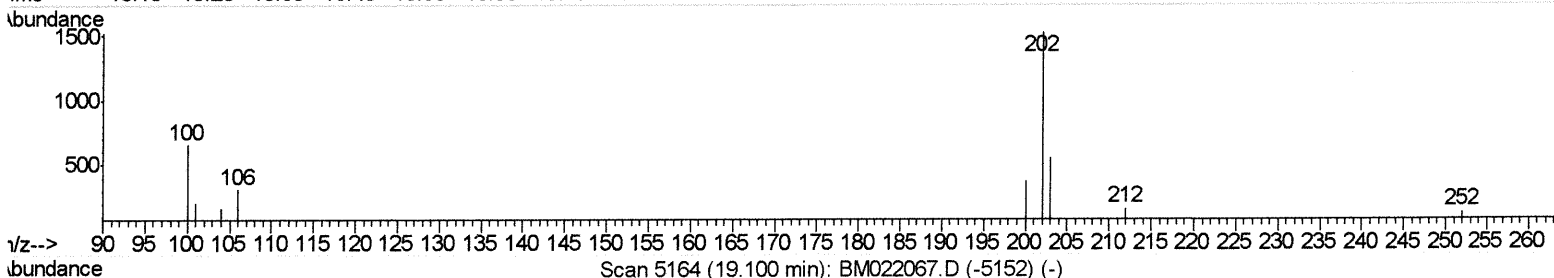
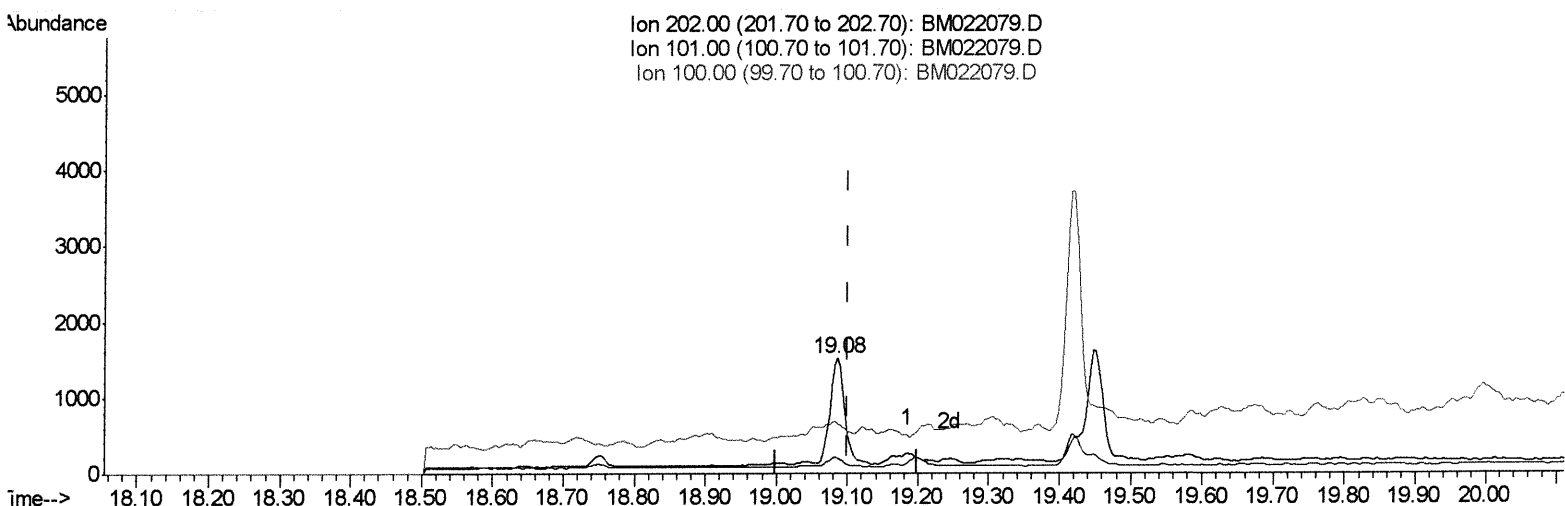
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.085min (-0.015) 0.14ng/ul m

JU
08/14/19

response 1981

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	13.92
100.00	8.10	43.54#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

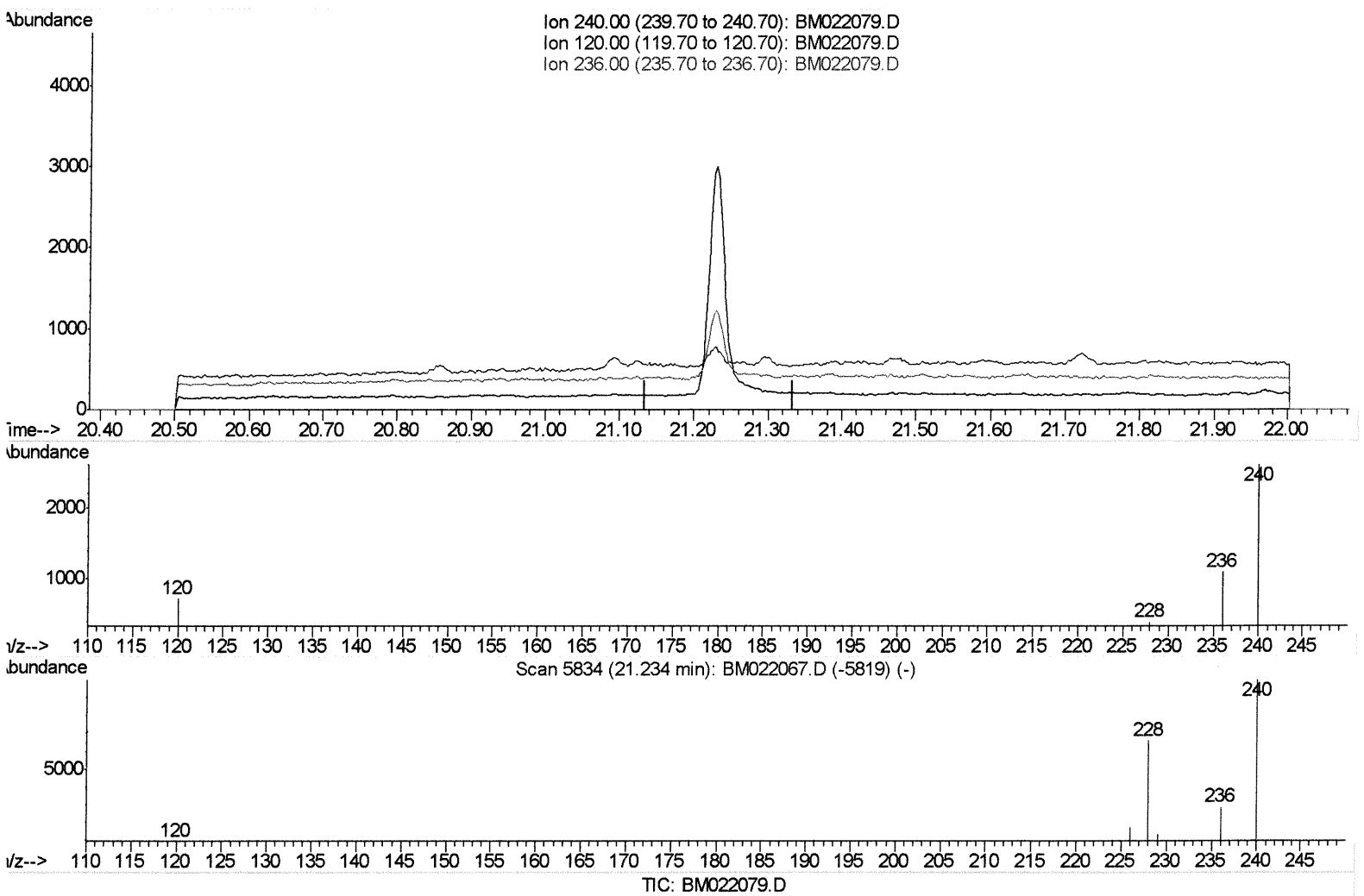
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.234min (-21.234) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

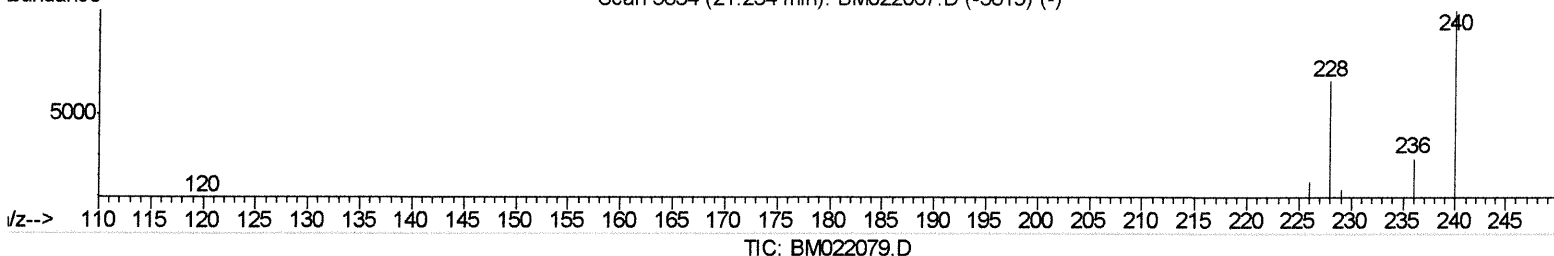
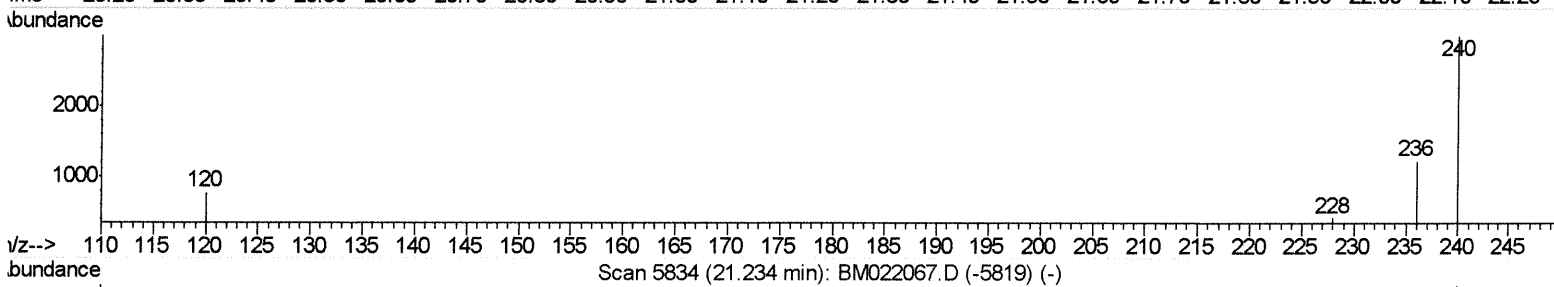
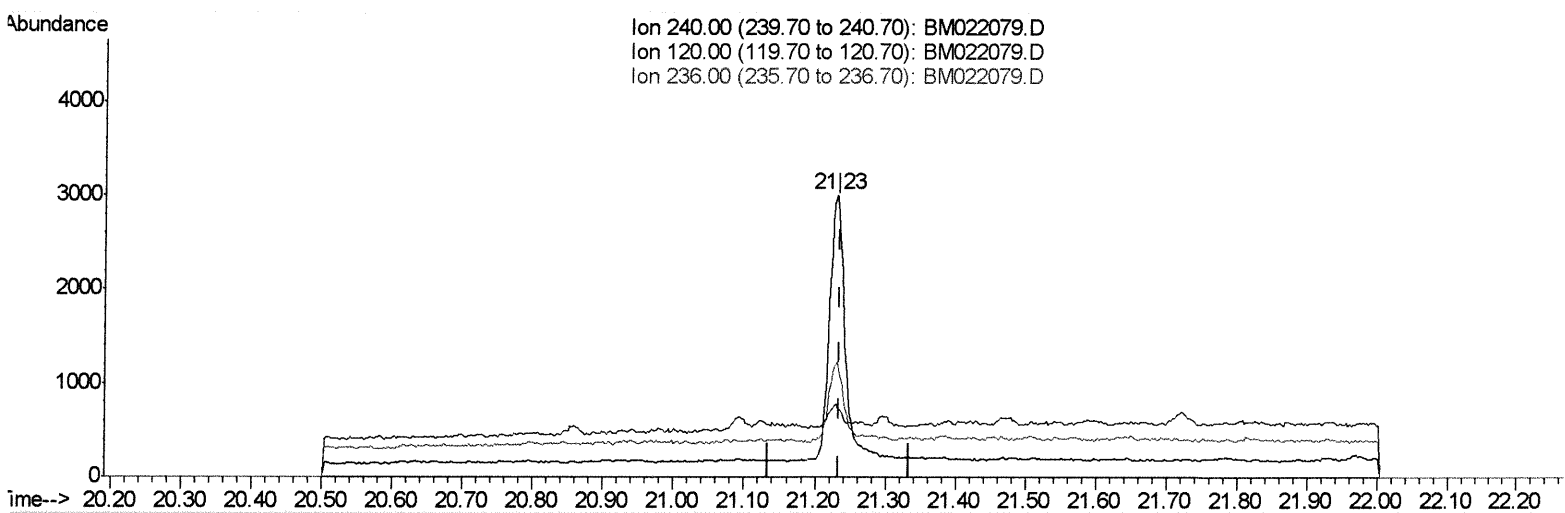
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:55:50 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.229min (-0.005) 0.40ng/ul m

JU
08/14/19

response 4235

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	25.81#
236.00	32.30	40.88#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

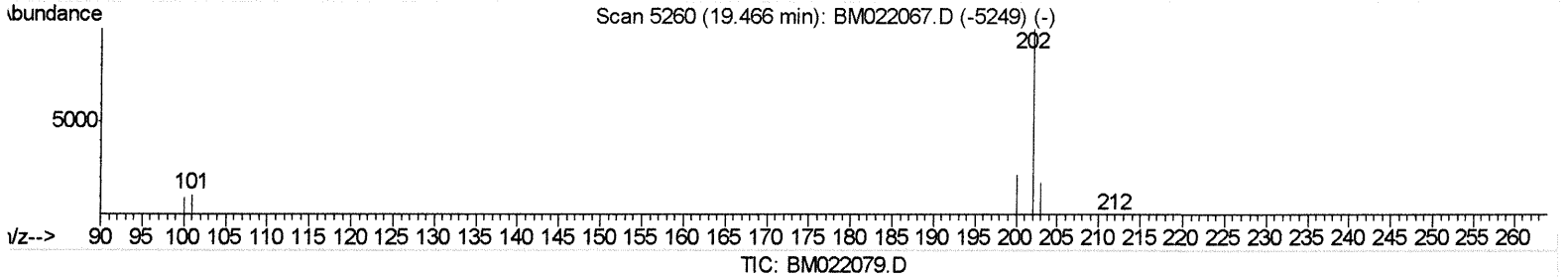
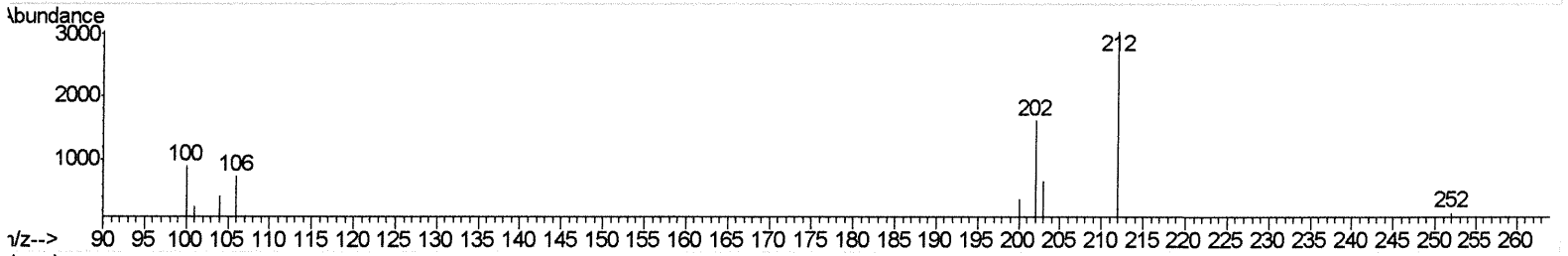
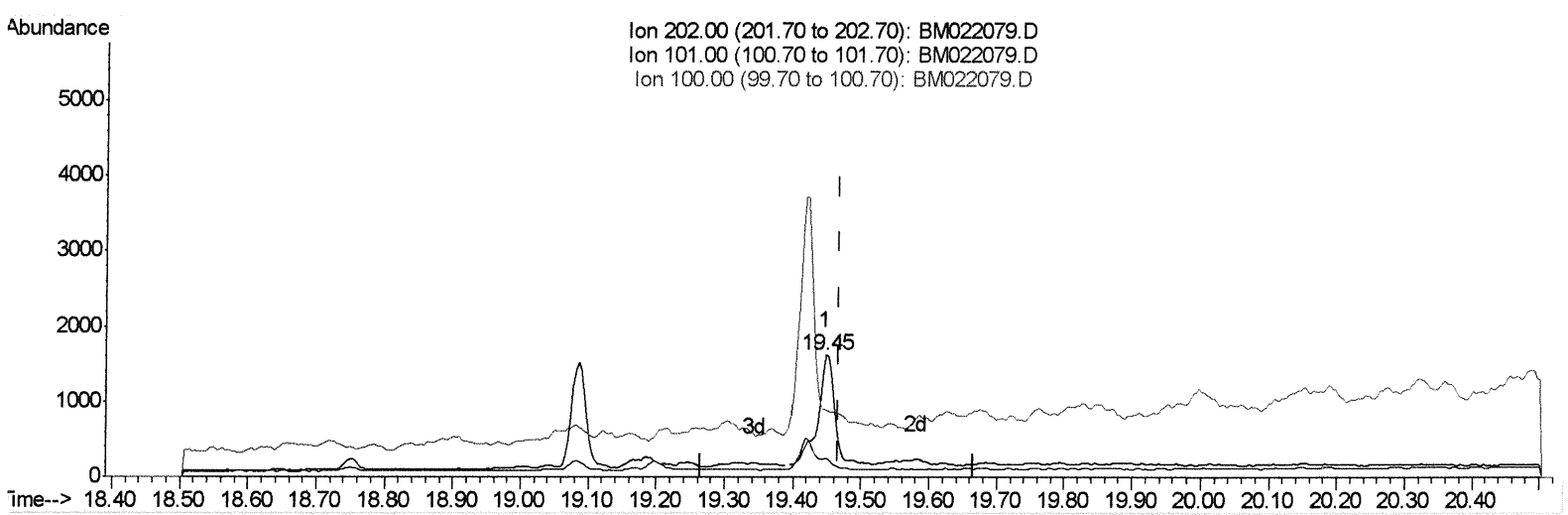
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:08 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(17) Pyrene

19.447min (-0.019) 0.15ng/ul

response 2686

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	15.52#
100.00	9.00	55.29#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

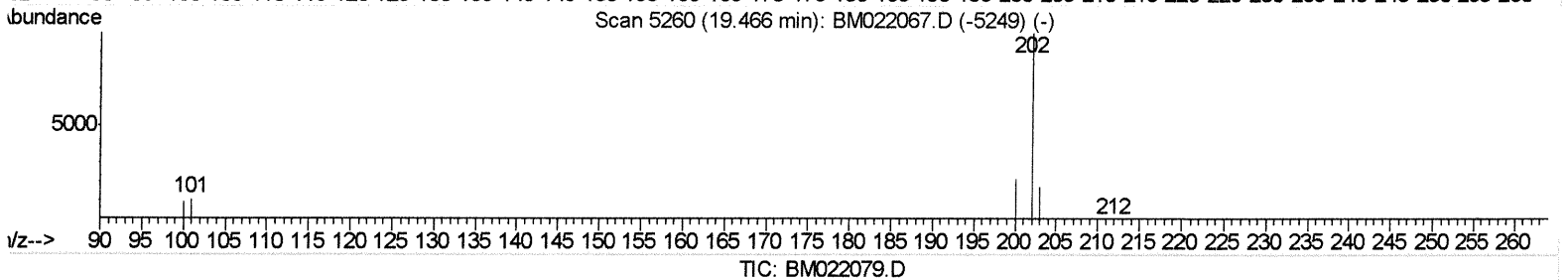
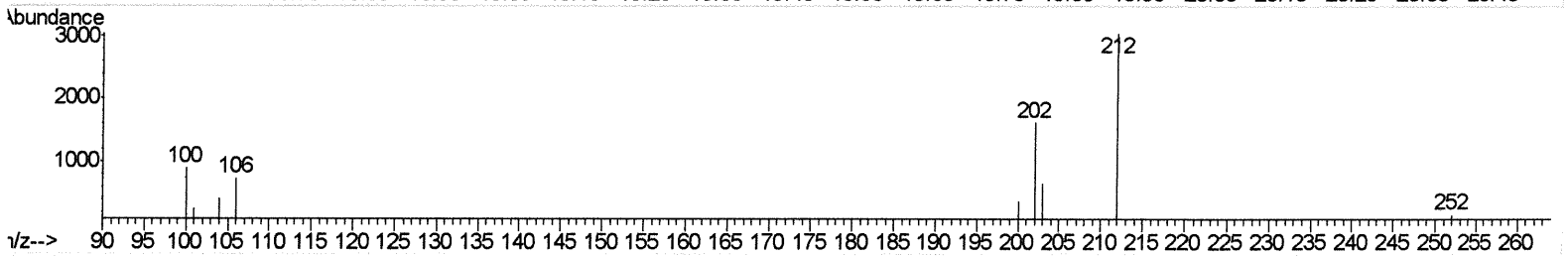
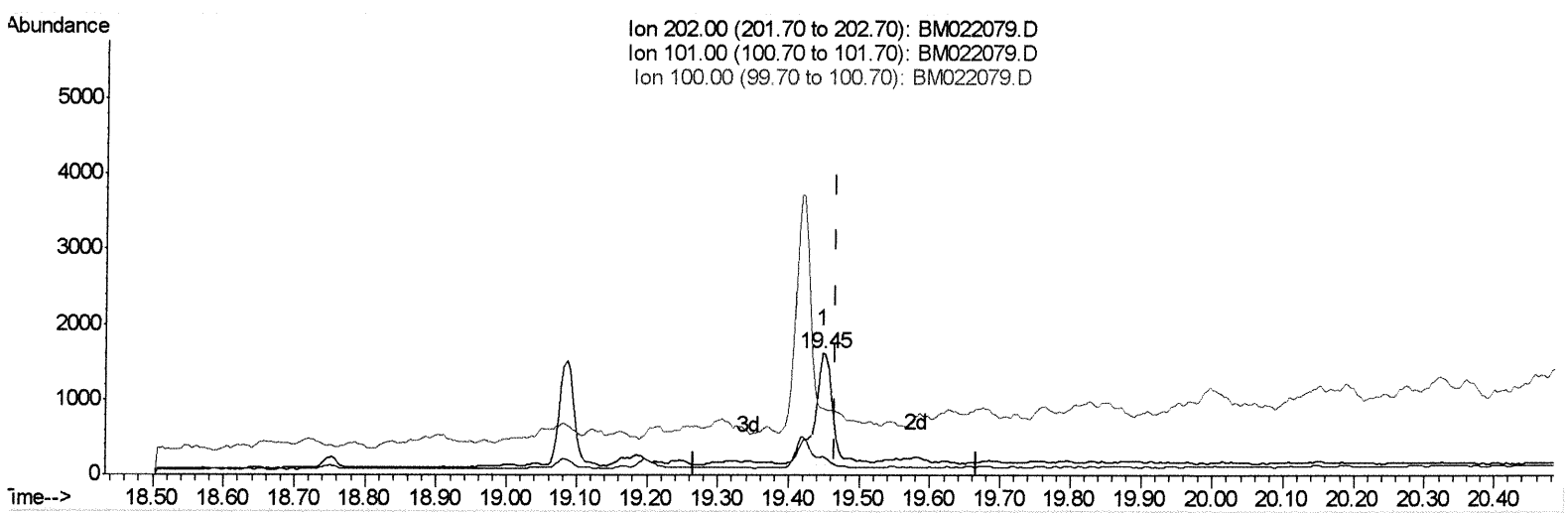
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:08 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(17) Pyrene

19.447min (-0.019) 0.12ng/ul m JU 08/14/19

response 2125

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	15.52#
100.00	9.00	55.29#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

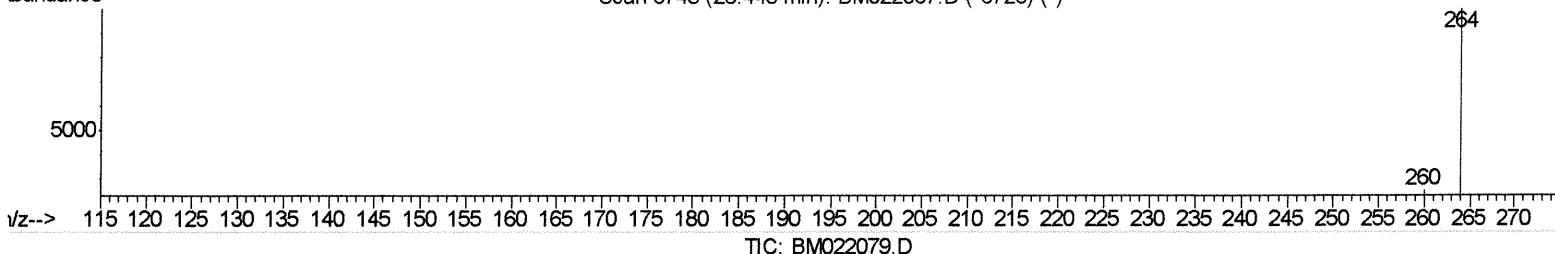
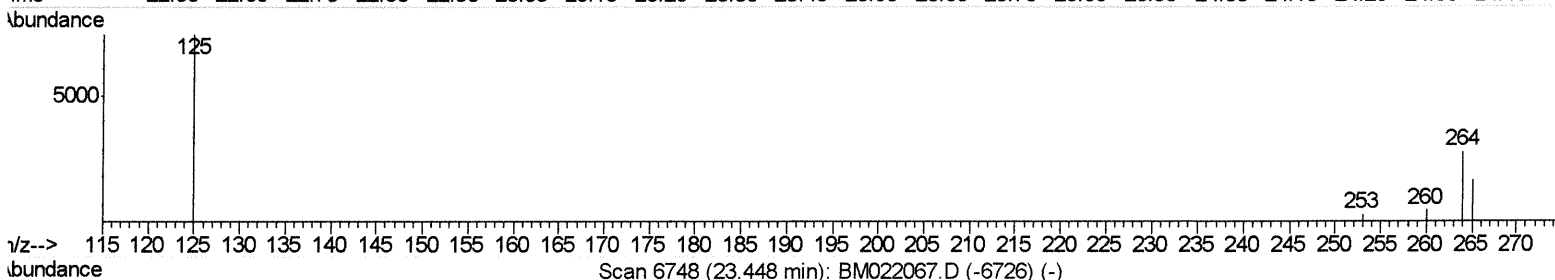
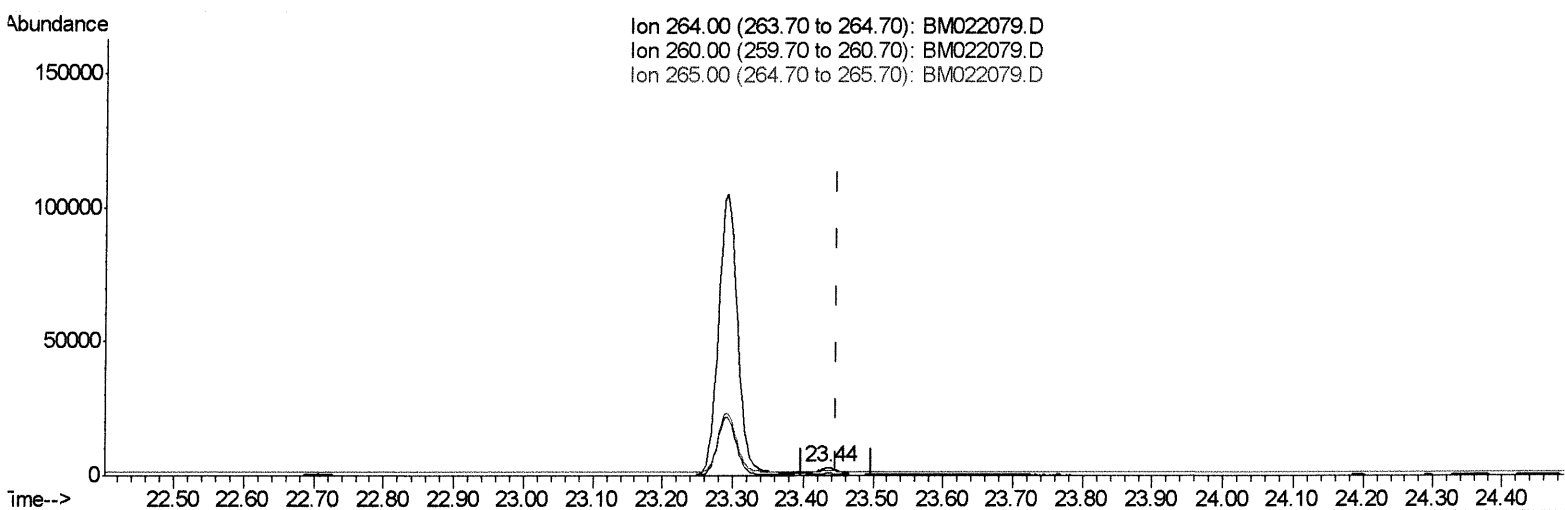
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:08 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.435min (-0.012) 0.40ng/ul

response 5036

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.61
265.00	117.00	63.56#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

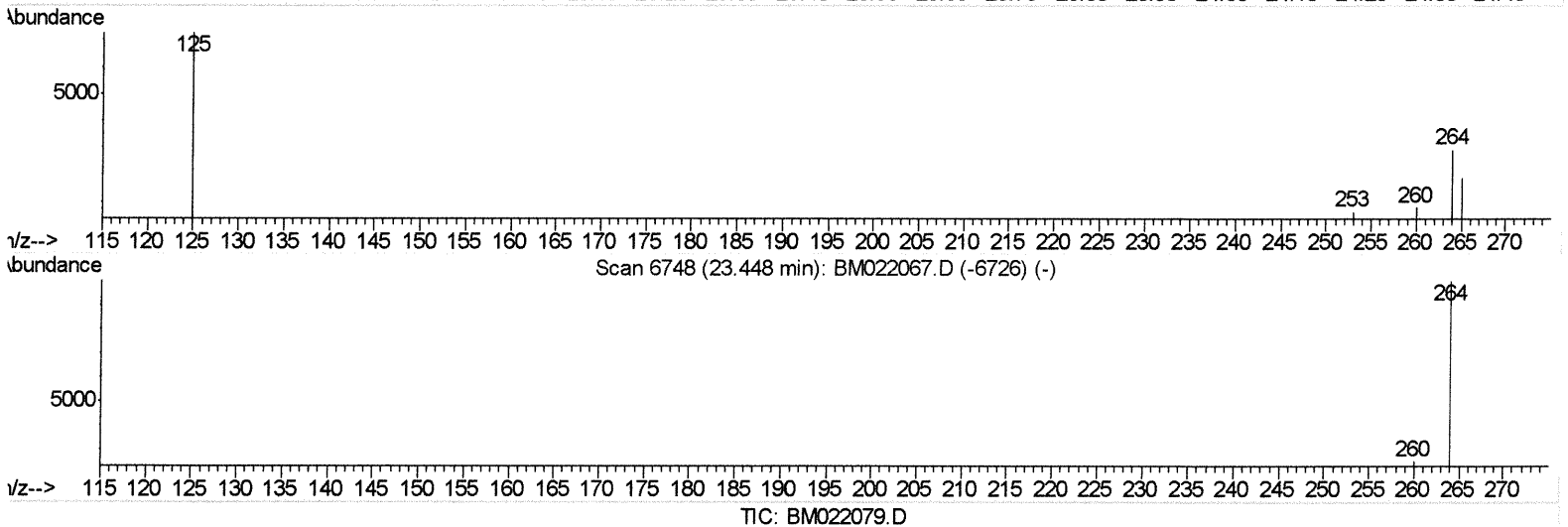
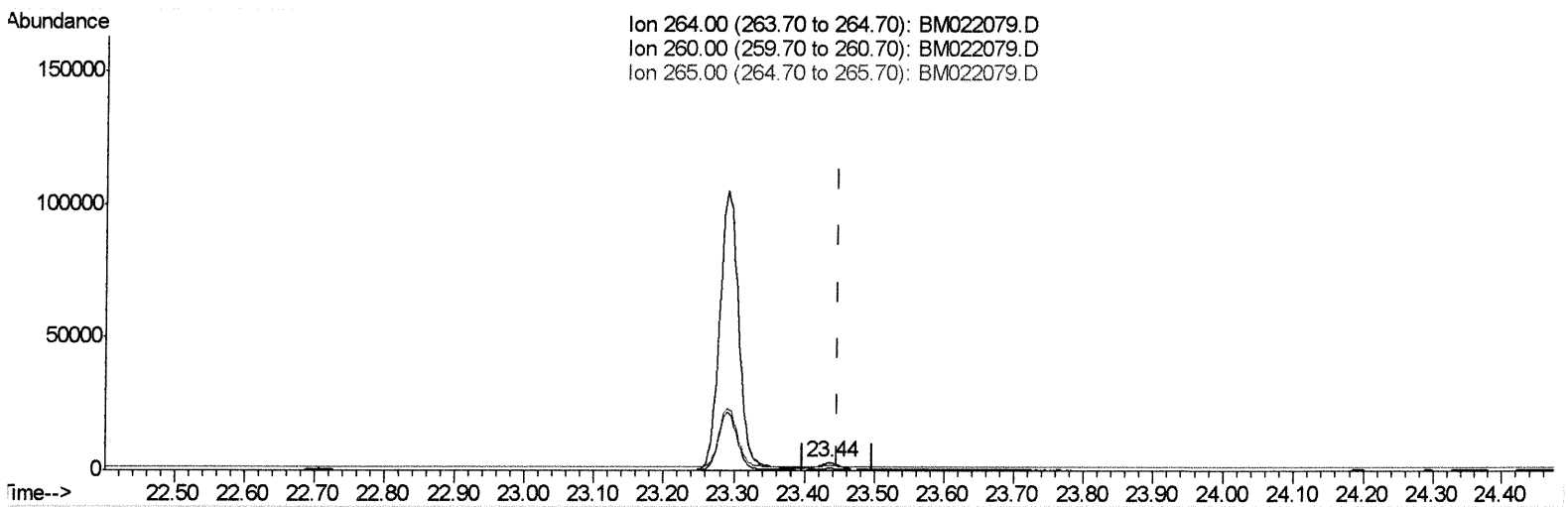
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:08 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.435min (-0.012) 0.40ng/ul m

JU
08/14/19

response 4286

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.61
265.00	117.00	63.56#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

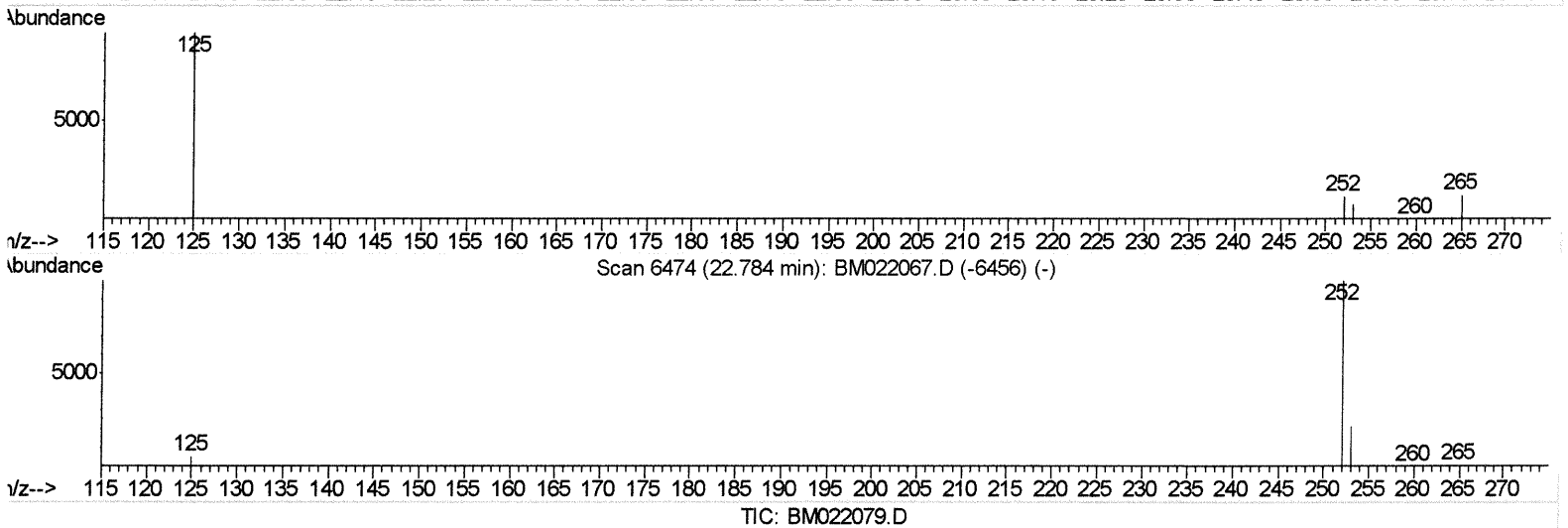
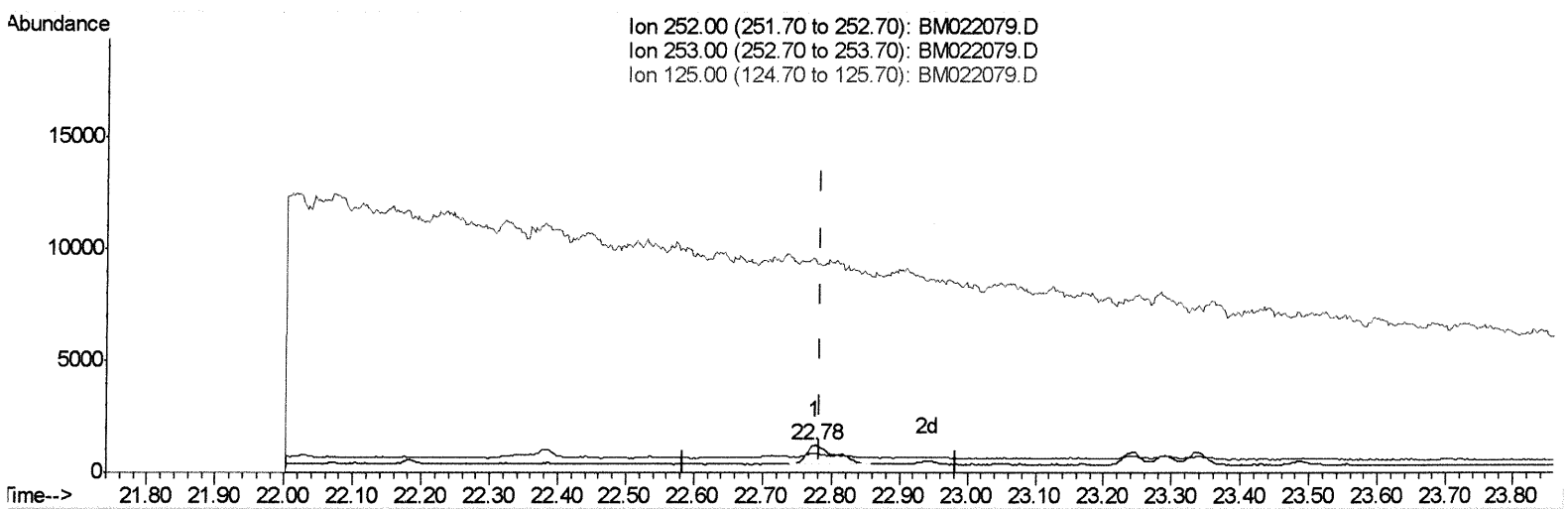
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:45 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.776min (-0.007) 0.17ng/ul

response 2466

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	68.52#
125.00	15.50	766.07#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

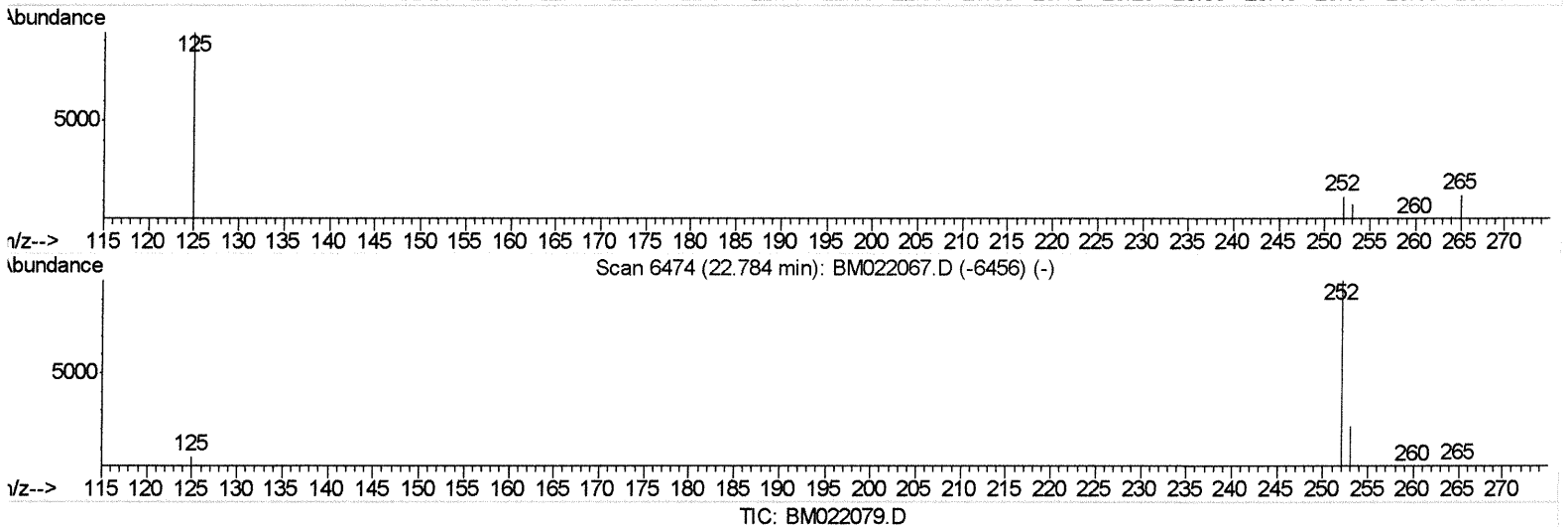
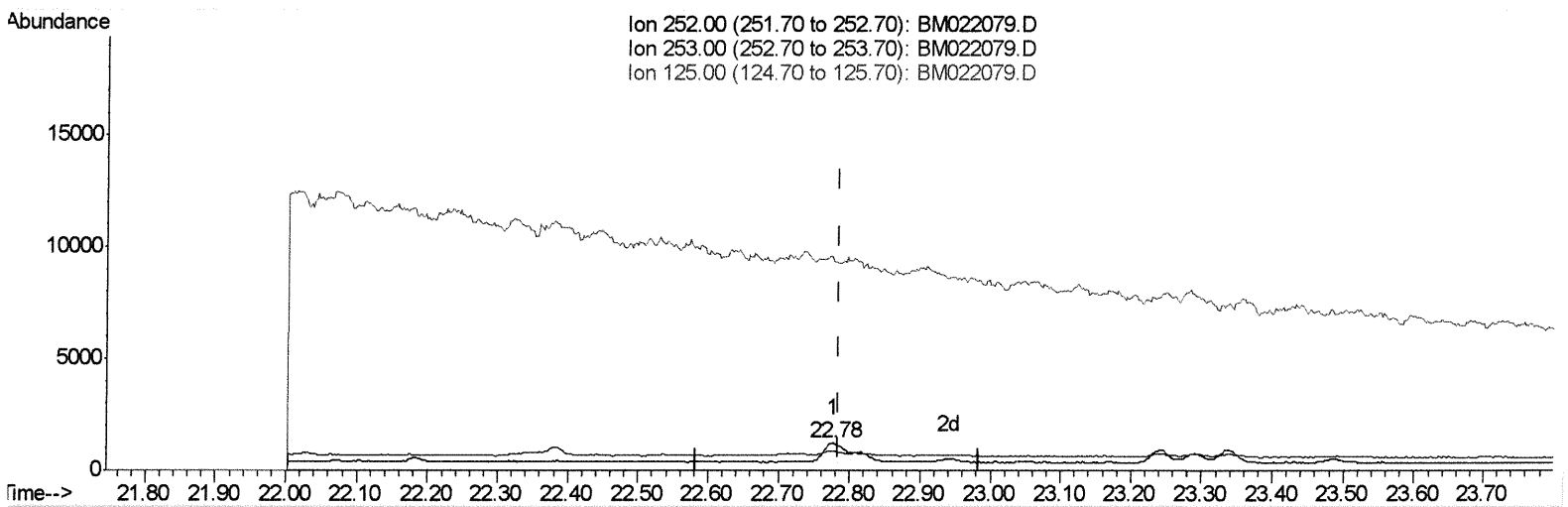
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:45 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.776min (-0.007) 0.12ng/ul m

JU
08/14/19

response 1783

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	68.52#
125.00	15.50	766.07#
0.00	0.00	0.00

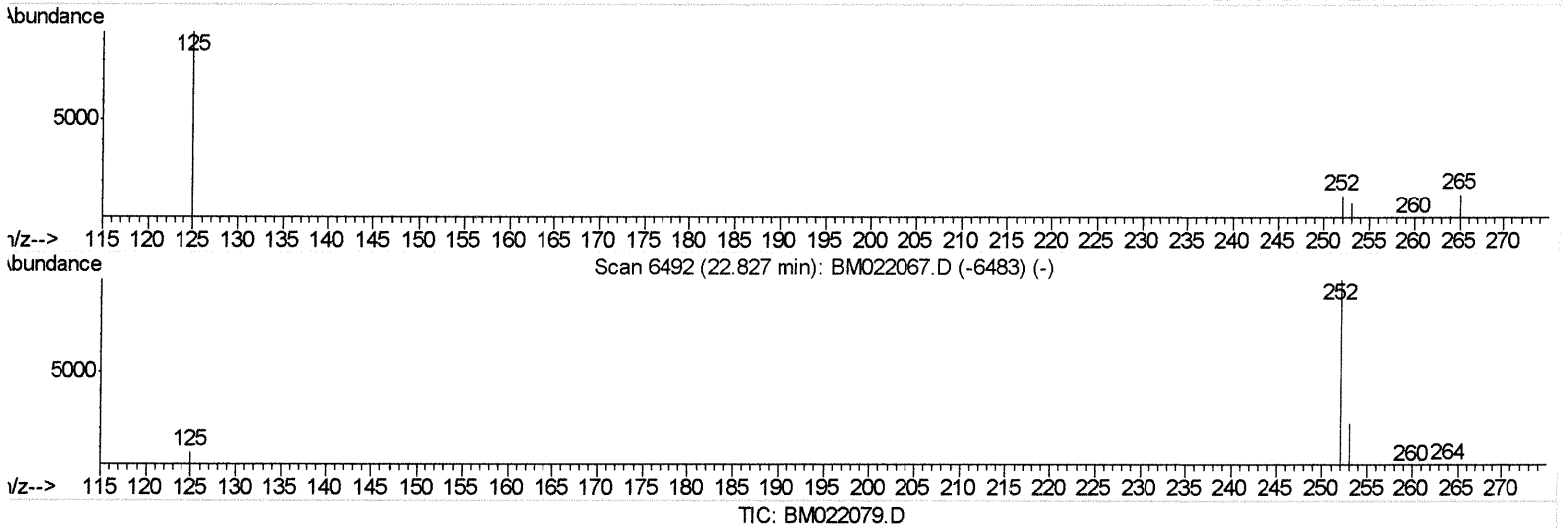
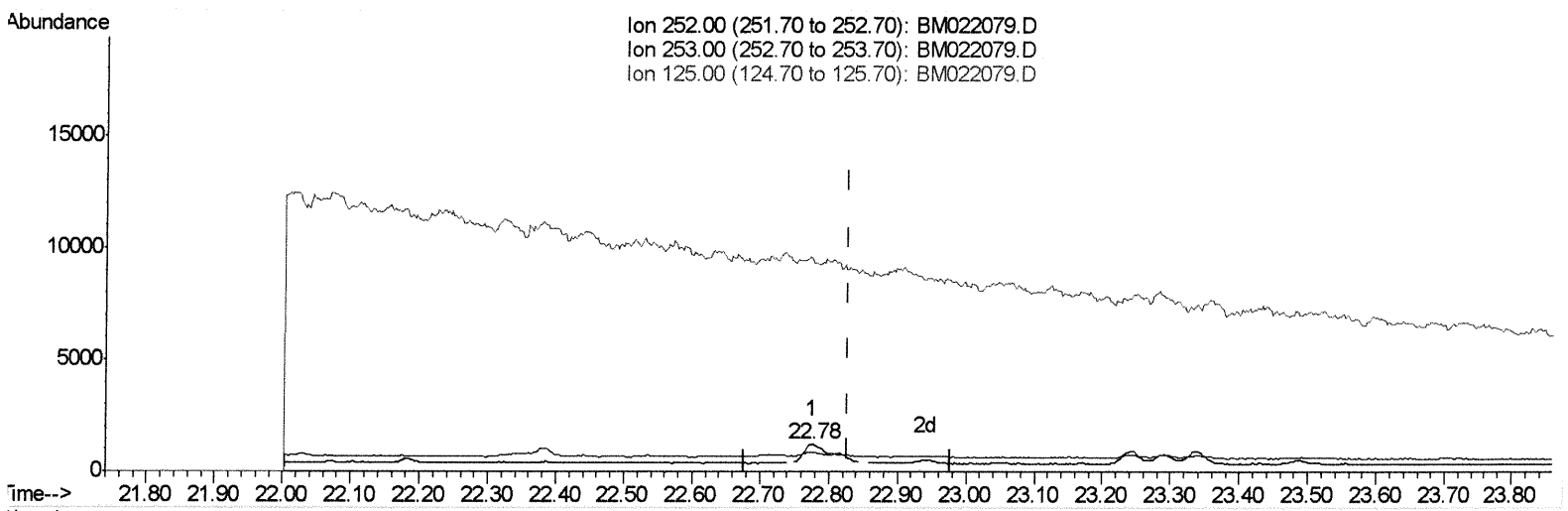
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:45 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.776min (-0.051) 0.15ng/ul

response 2466

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	68.52#
125.00	15.20	766.07#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (Qedit)

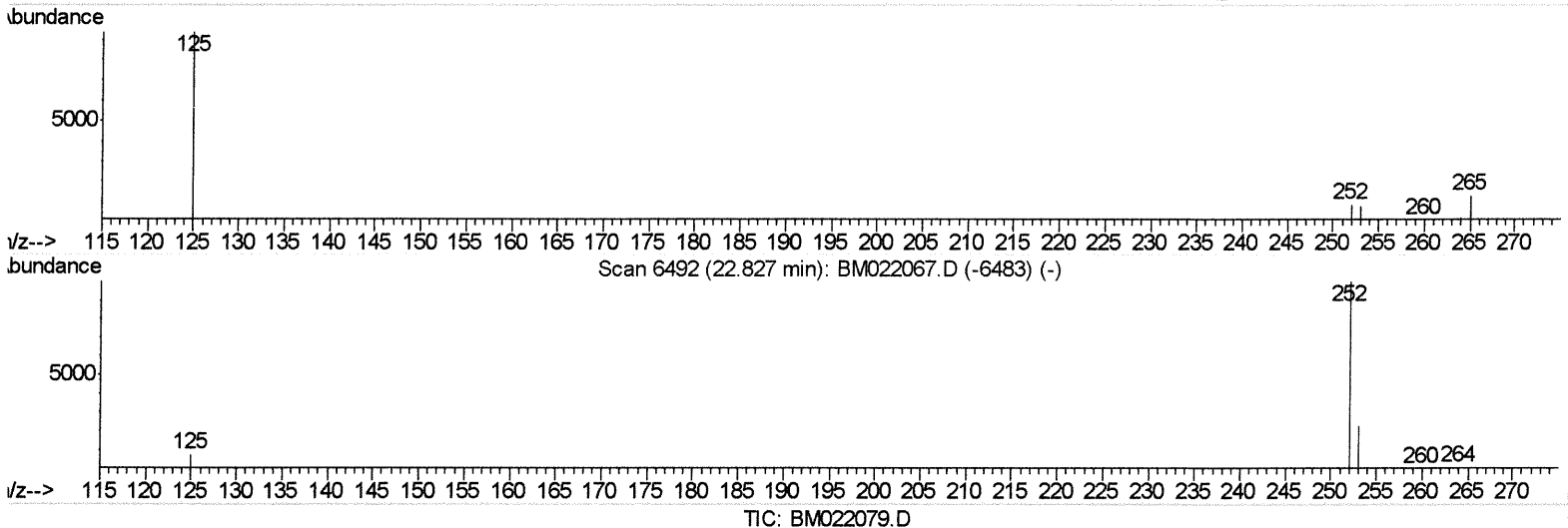
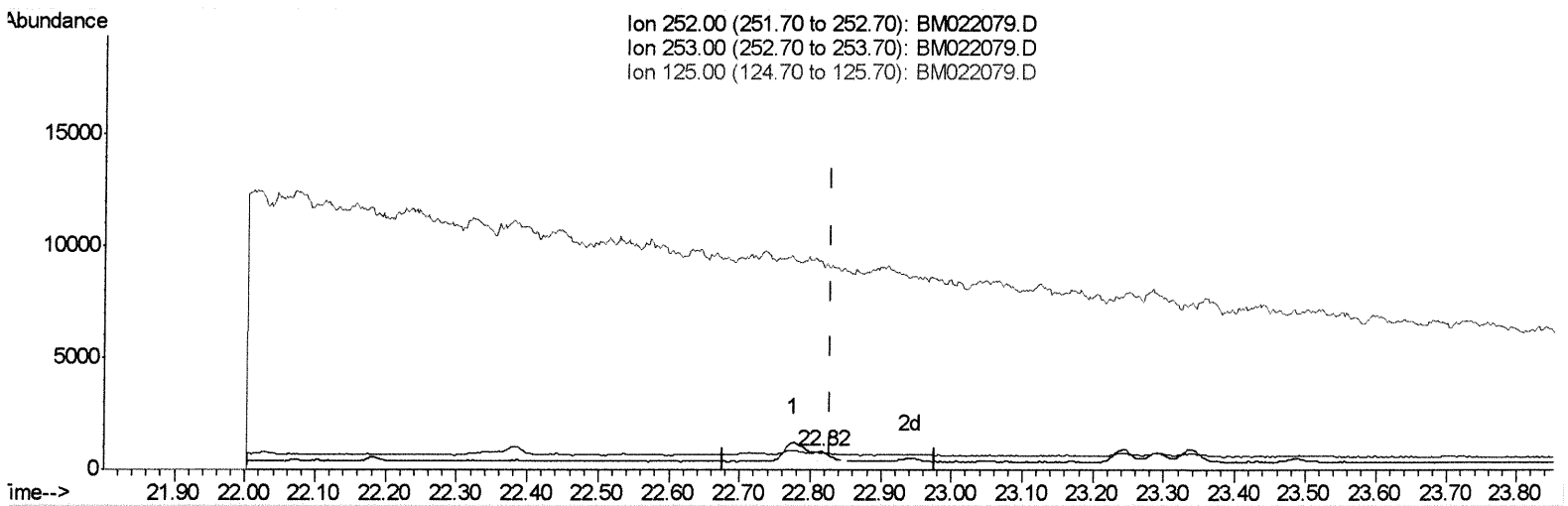
Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:58:45 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.815min (-0.012) 0.05ng/ul m

JU
08/14/19

response 737

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	90.88#
125.00	15.20	1121.97#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Quantitation Report (QT Reviewed)

Data File : BM022079.D
Acq On : 13 Aug 2019 20:38
Operator : HP/JU
Sample : K4183-16
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG3

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:45 PM

Quant Time: Aug 14 07:59:26 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	662	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	2711	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1475	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	3760m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	4235m →	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4286m →	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	734	0.16	ng/ul	-0.01
14) Fluoranthene-d10	19.05	212	2525m →	0.20	ng/ul	-0.02
Target Compounds						
					Qvalue	
12) Phenanthrene	17.05	178	1024m	0.094	ng/ul	
15) Fluoranthene	19.08	202	1981m	0.135	ng/ul	
17) Pyrene	19.45	202	2125m	0.122	ng/ul	
18) Benzo(a)anthracene	21.21	228	1228	0.081	ng/ul#	48
19) Chrysene	21.27	228	1446	0.074	ng/ul#	52
21) Benzo(b)fluoranthene	22.78	252	1783m →	0.123	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	737m →	0.045	ng/ul	
23) Benzo(a)pyrene	23.33	252	1074	0.073	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.66	276	887	0.051	ng/ul#	76
26) Benzo(g,h,i)perylene	26.34	276	940	0.059	ng/ul#	1

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