

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

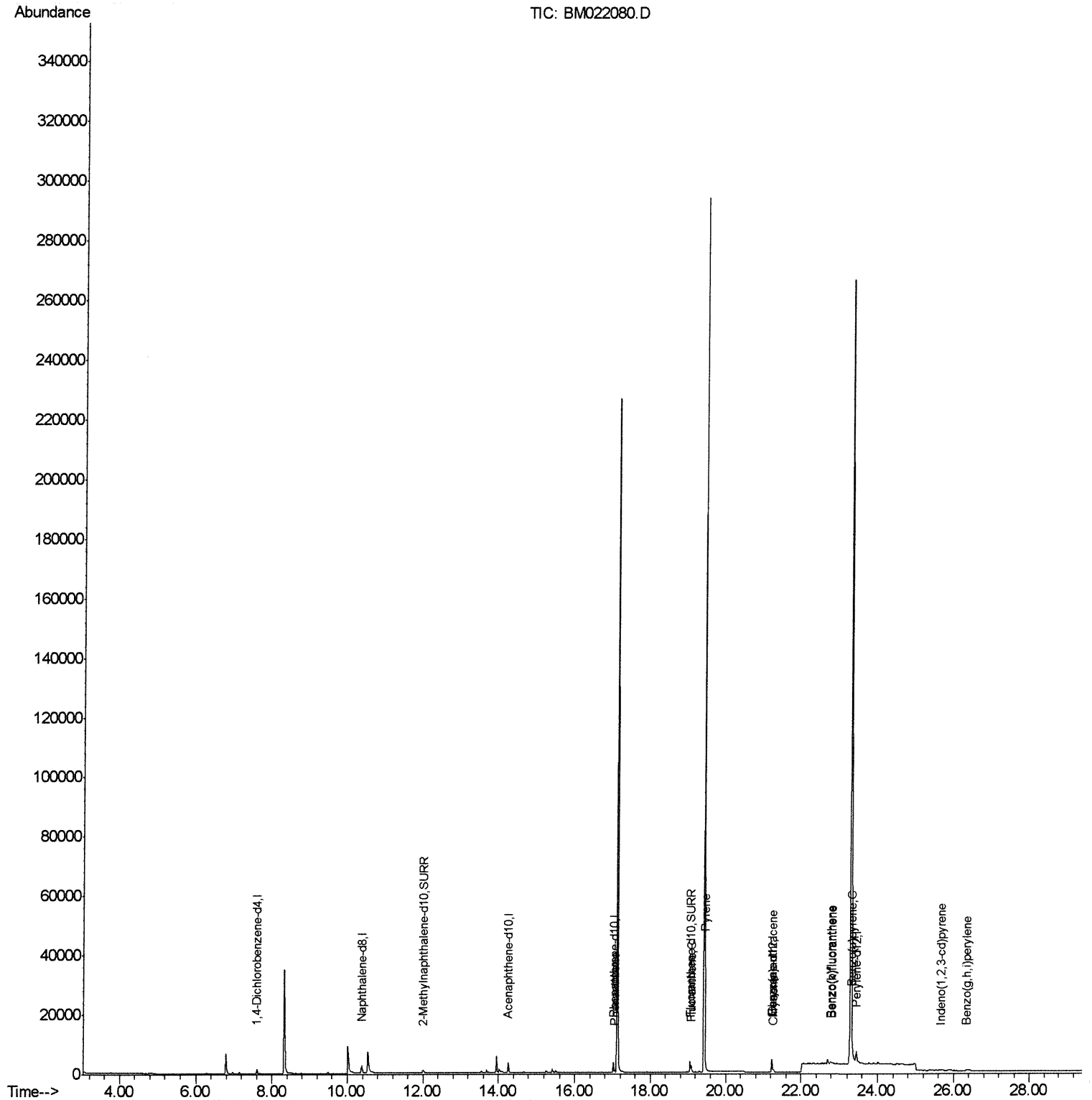
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:03:26 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)

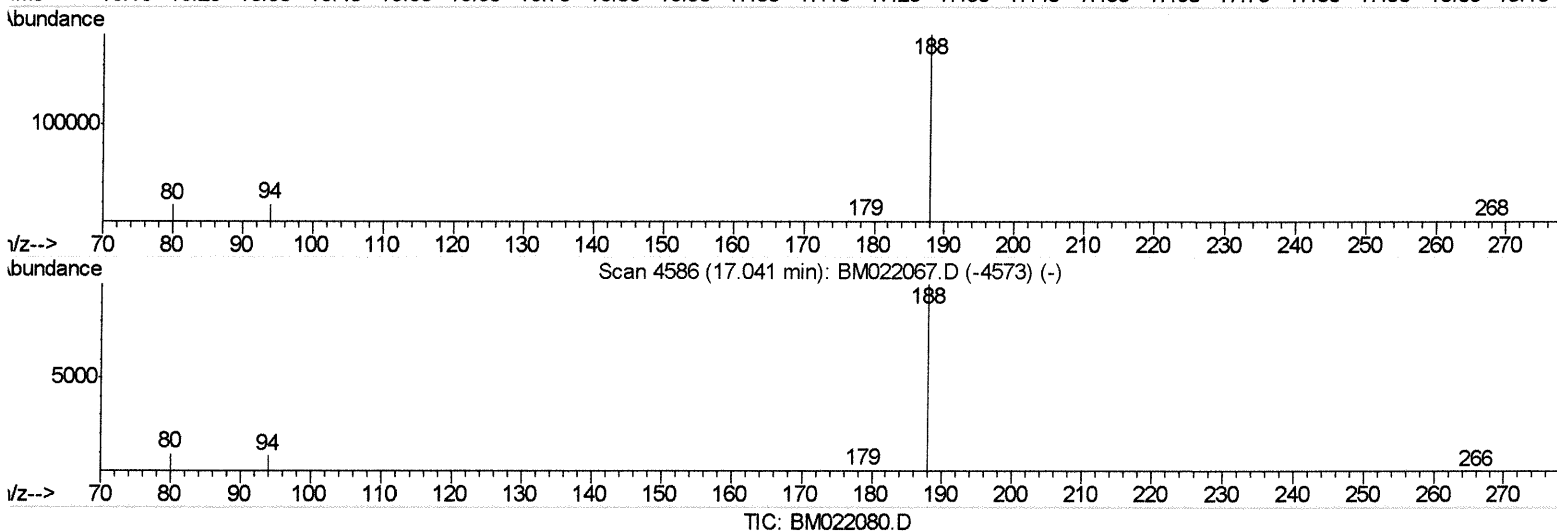
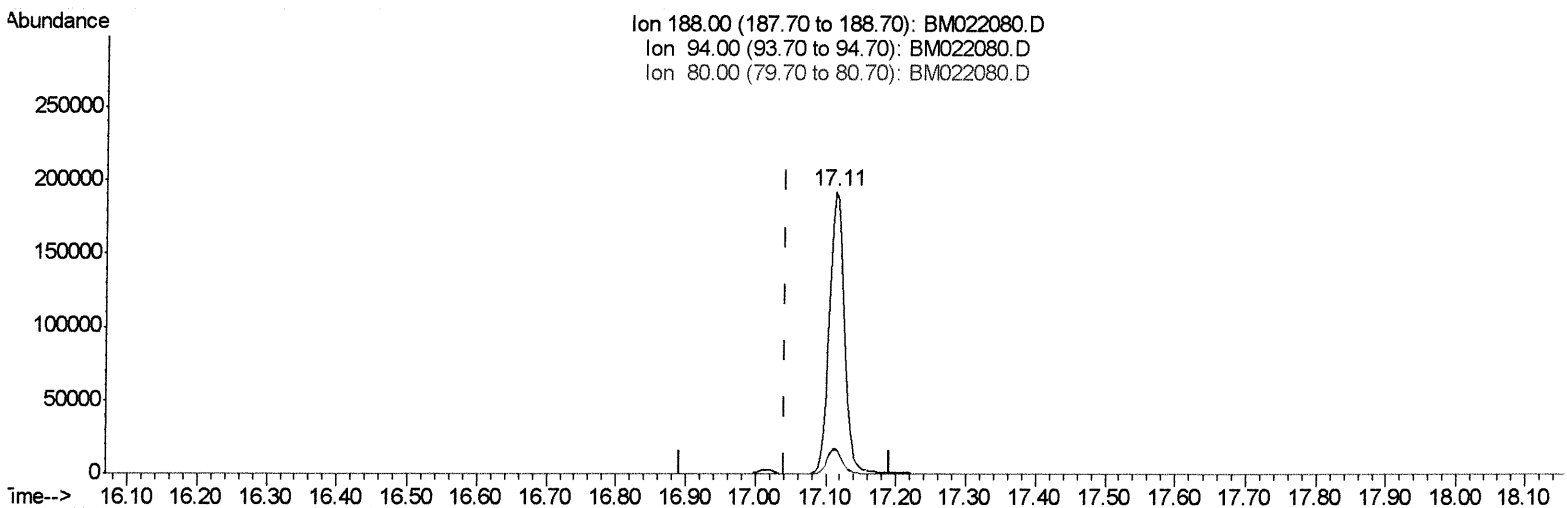
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 07:22:30 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)

17.112min (+0.071) 0.40ng/ul

response 279890

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.16
80.00	11.40	8.73#
0.00	0.00	0.00

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

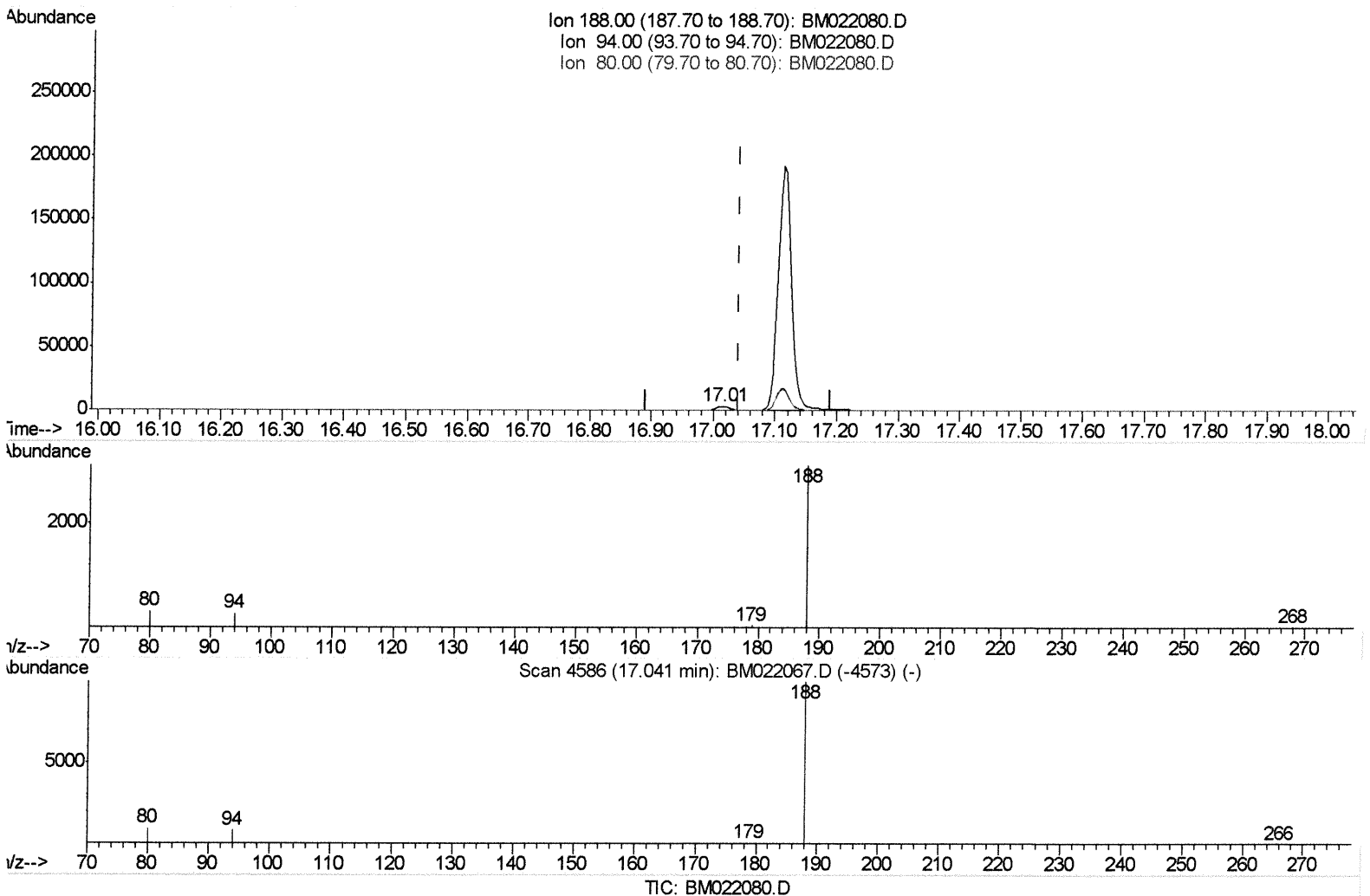
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 07:22:30 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)

17.015min (-0.026) 0.40ng/ul m *JU 08/14/19*

response 4449

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.74
80.00	11.40	11.20
0.00	0.00	0.00

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

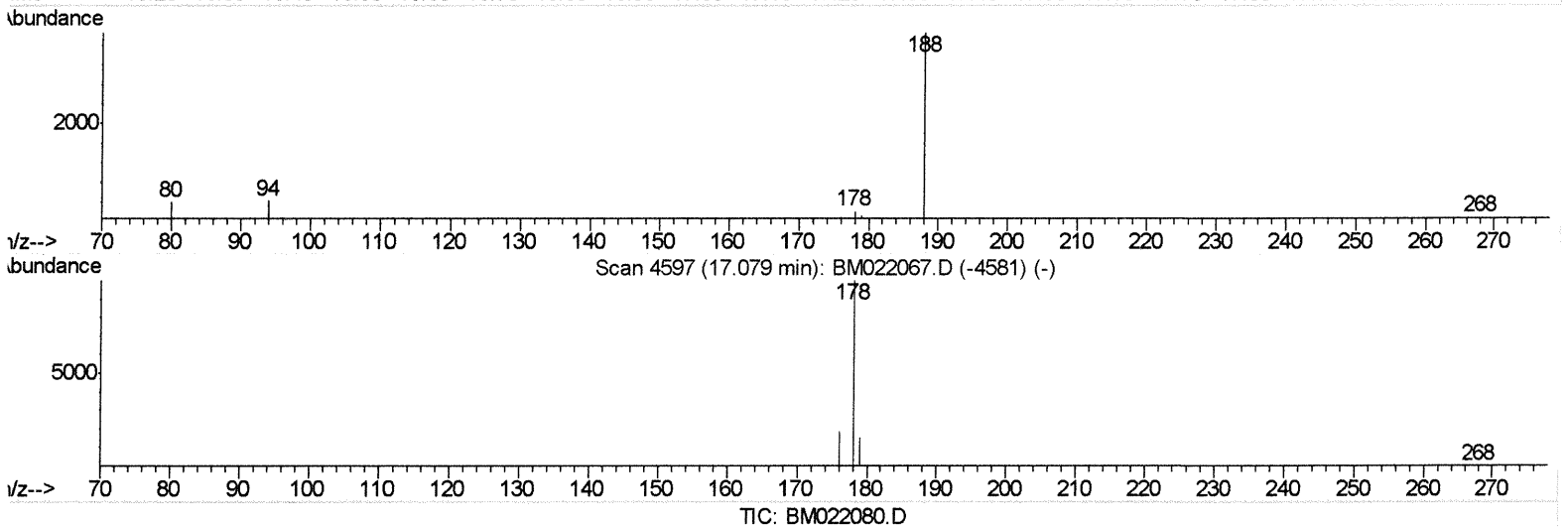
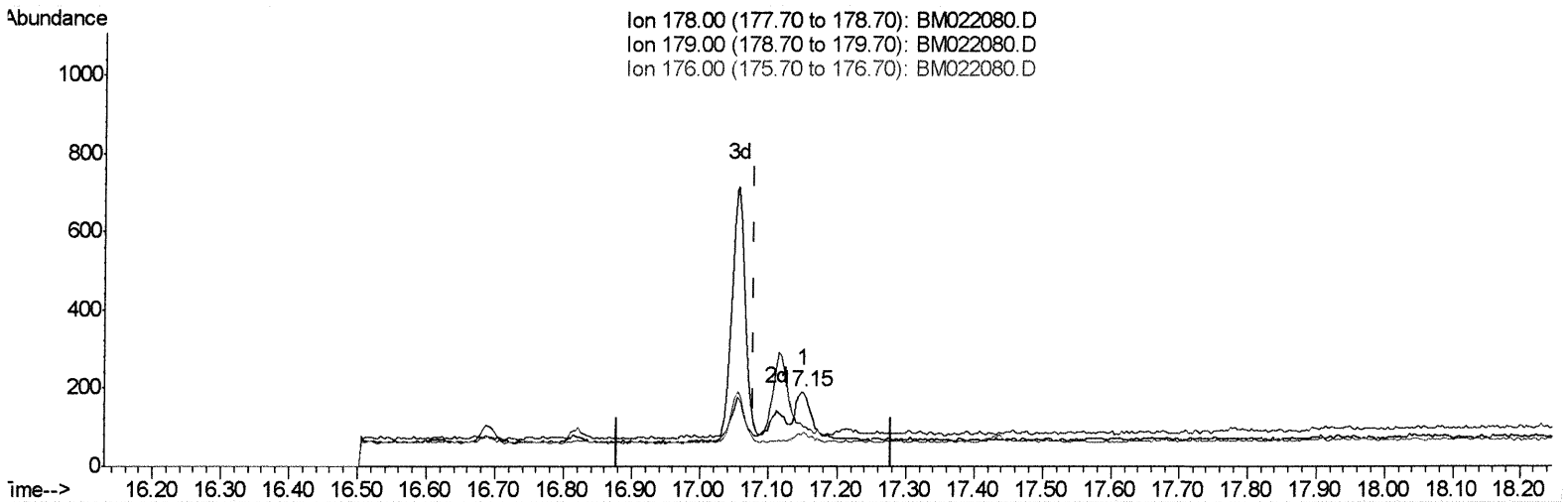
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(12) Phenanthrene

17.150min (+0.071) 0.02ng/ul

response 230

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	53.44#
176.00	21.00	46.56#
0.00	0.00	0.00

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

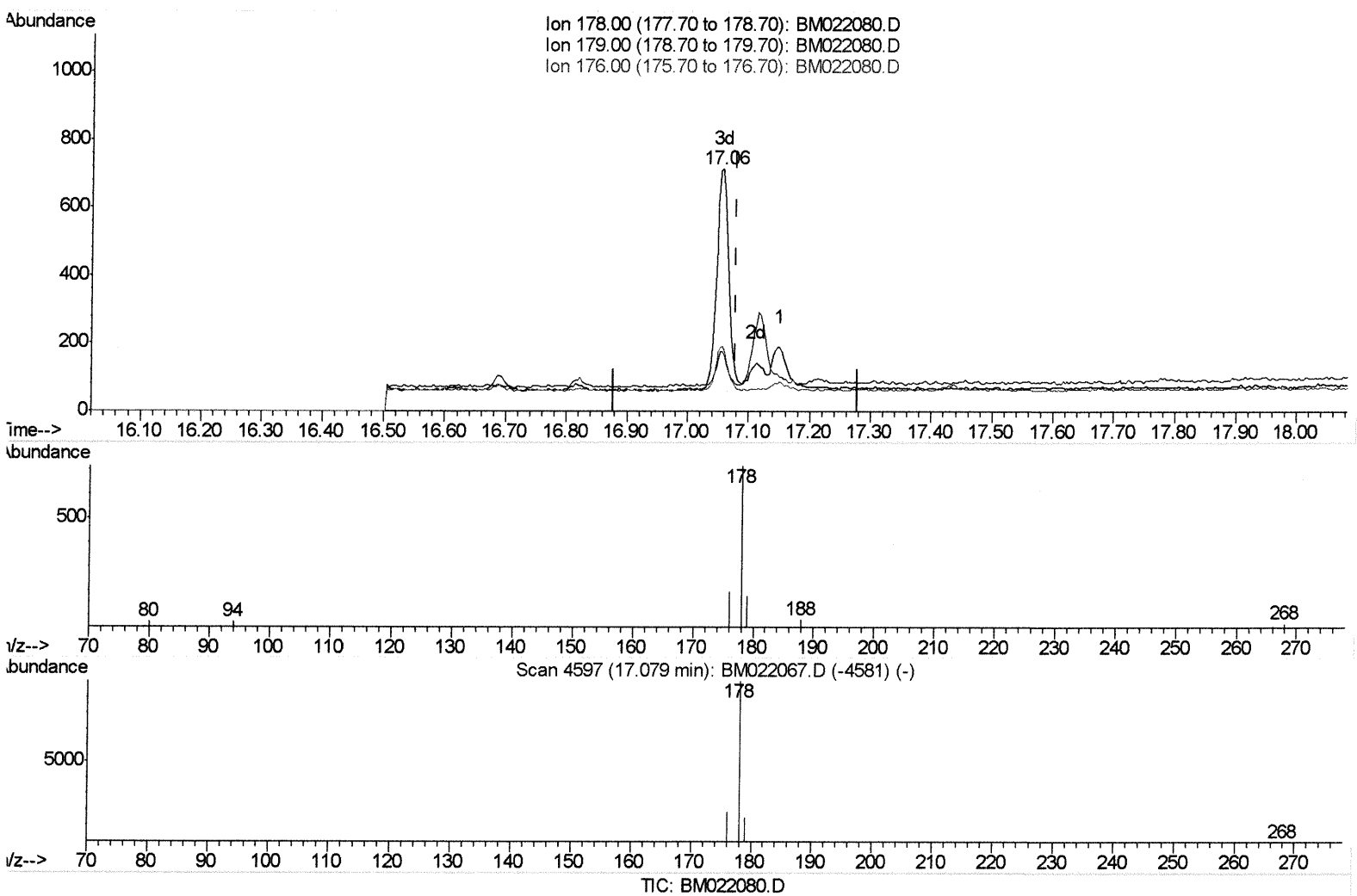
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(12) Phenanthrene

17.057min (-0.022) 0.07ng/ul m *JU 08/14/19*

response 926

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	24.79#
176.00	21.00	26.89#
0.00	0.00	0.00

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

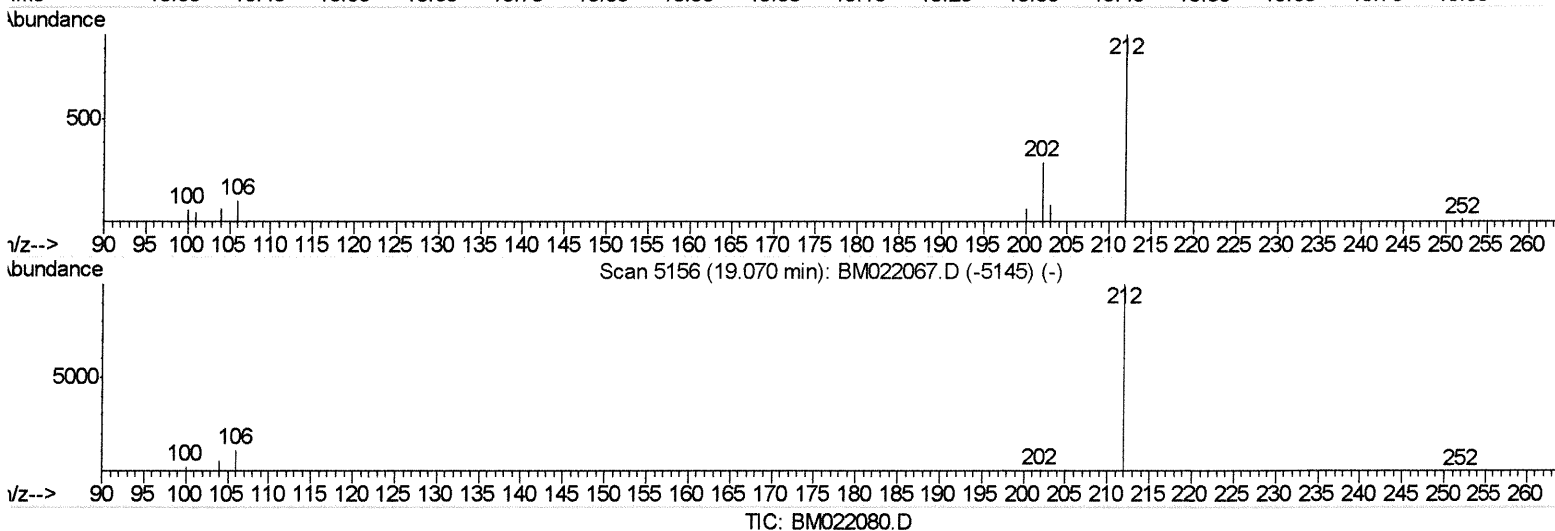
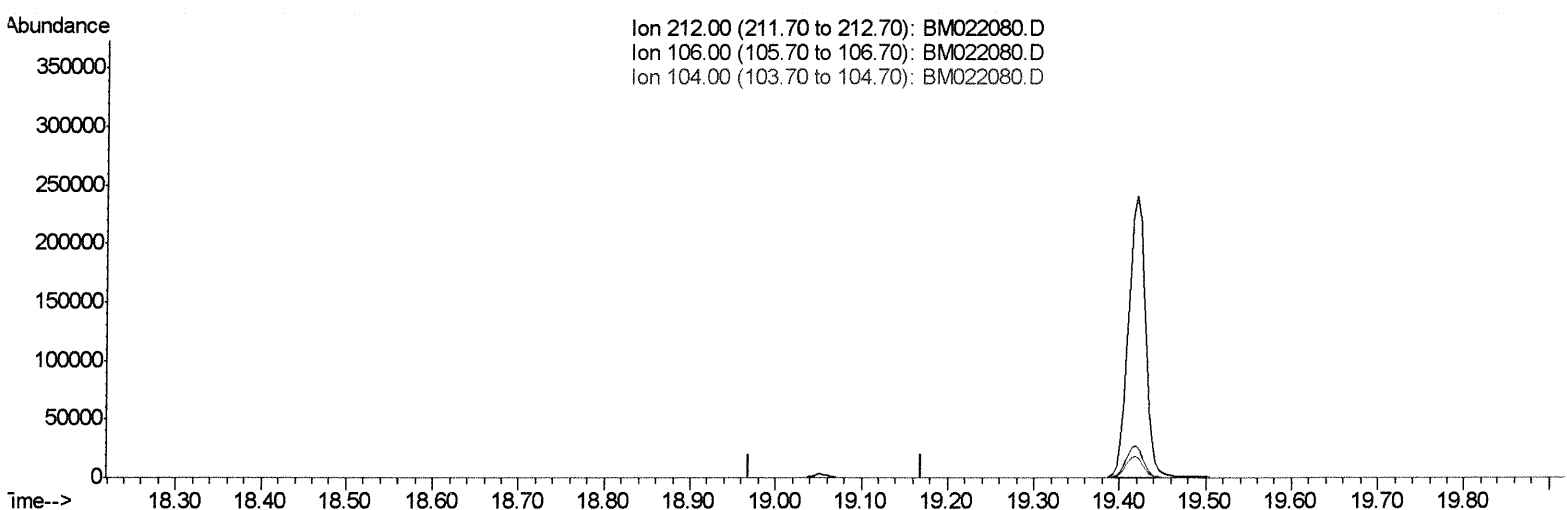
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : 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)

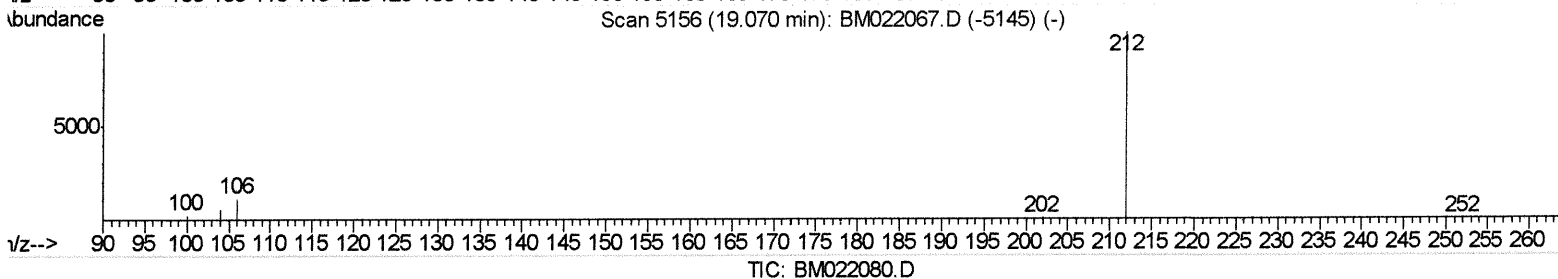
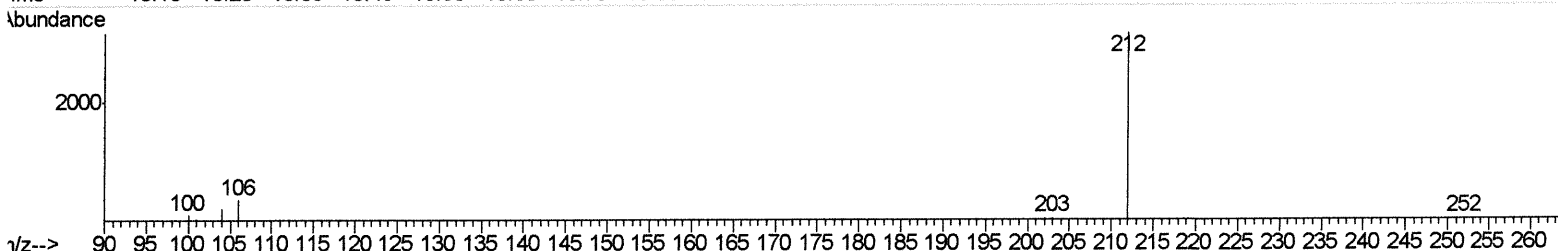
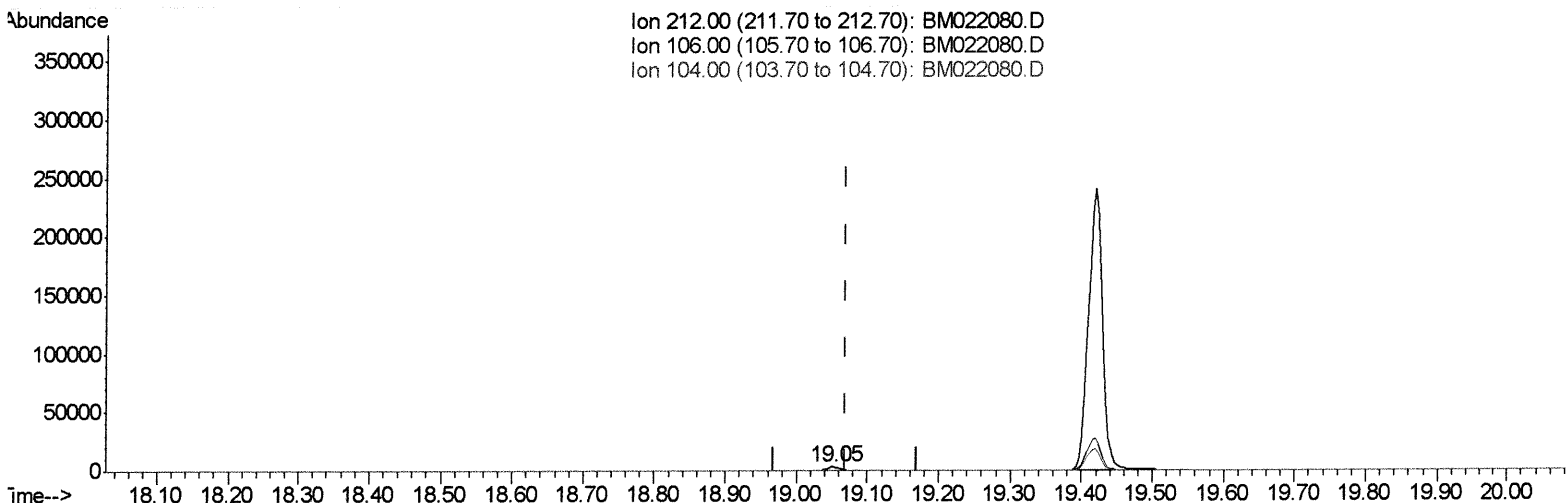
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.053min (-0.017) 0.29ng/ul m *JU* 08/14/19

response 4363

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)

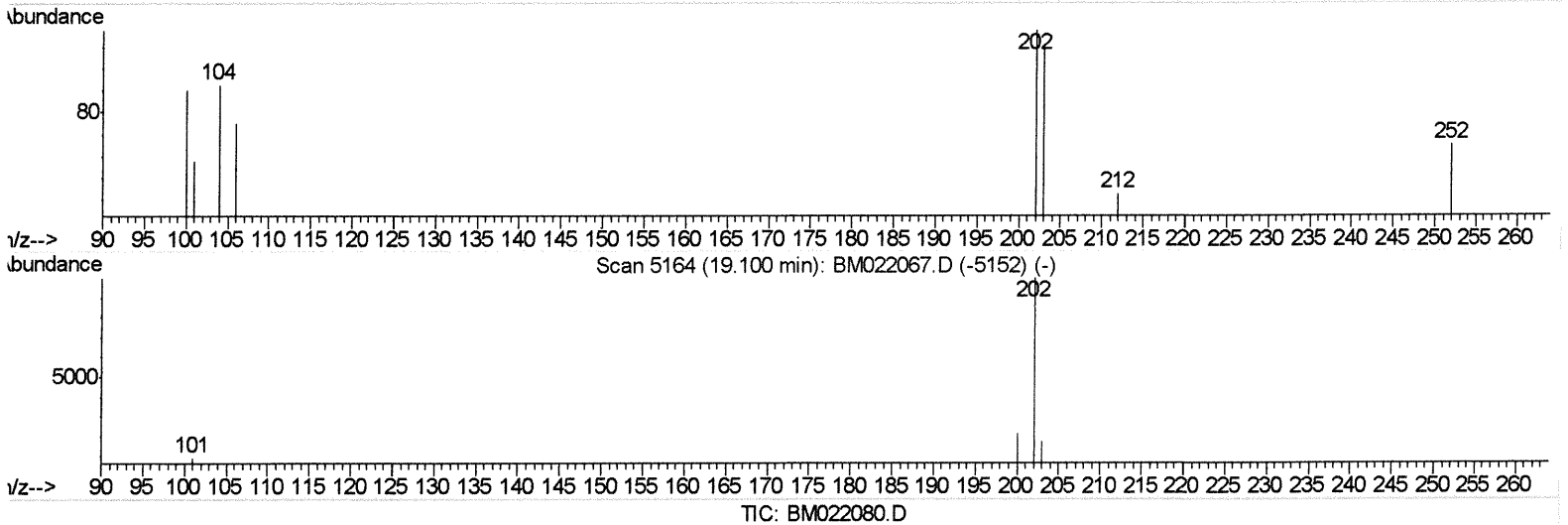
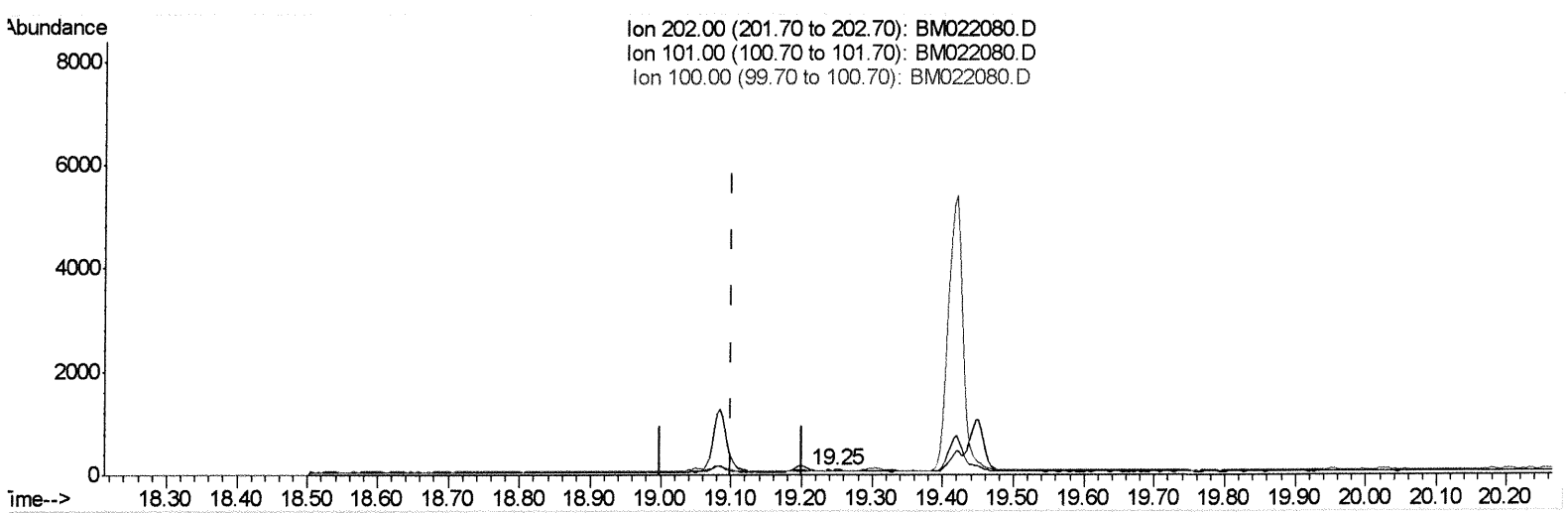
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.247min (+0.147) 0.00ng/ul

response 51

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	74.74#
100.00	8.10	88.42#
0.00	0.00	0.00

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

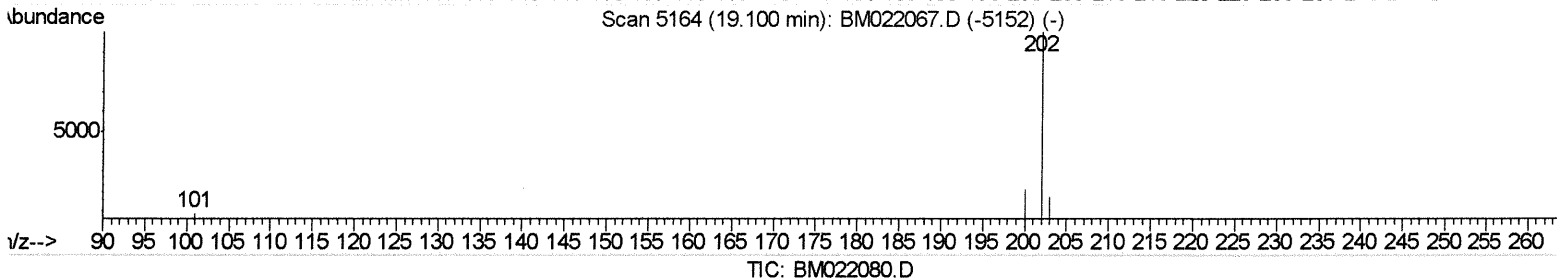
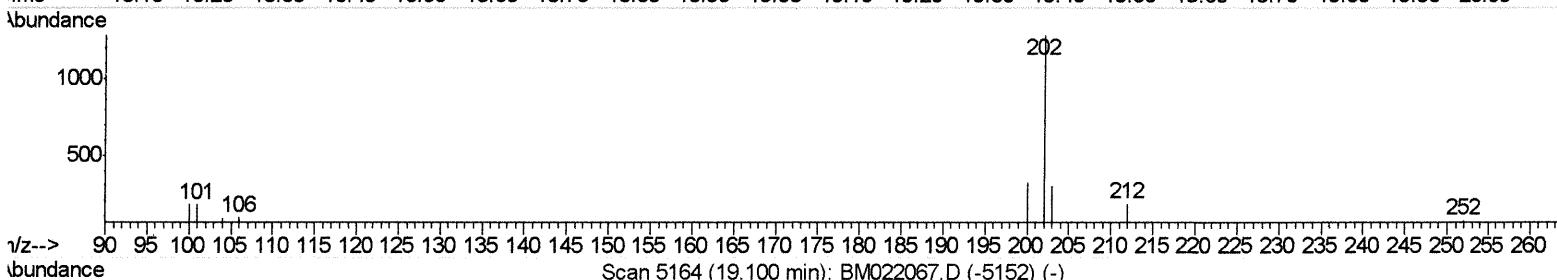
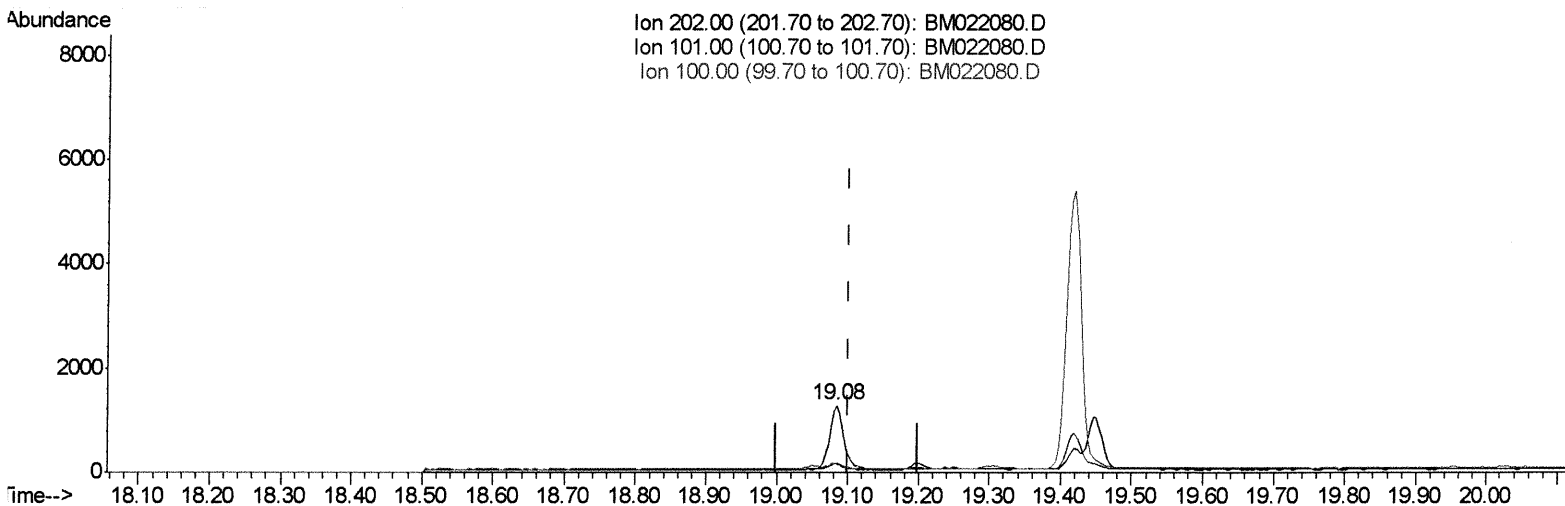
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.083min (-0.017) 0.10ng/ul m *JU* 08/14/19

response 1660

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	13.69
100.00	8.10	13.53
0.00	0.00	0.00

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

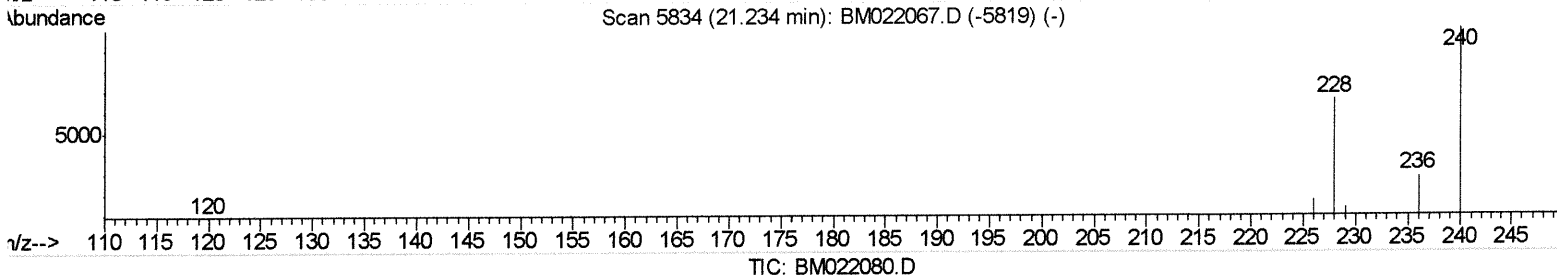
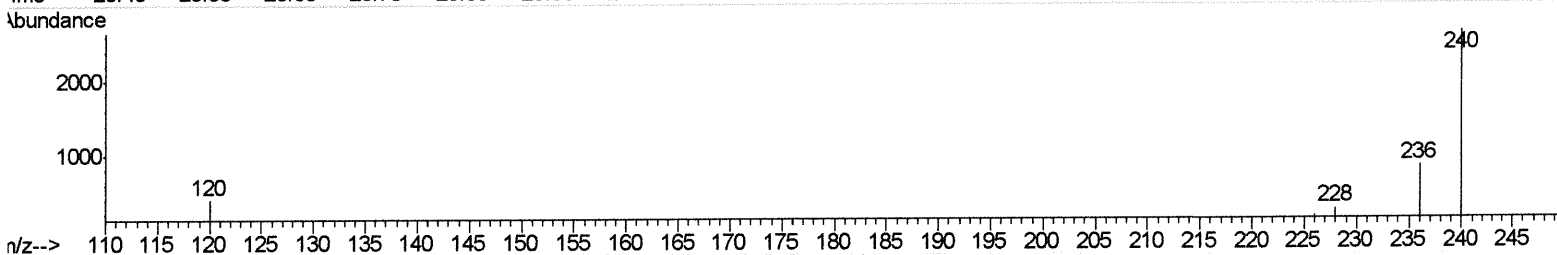
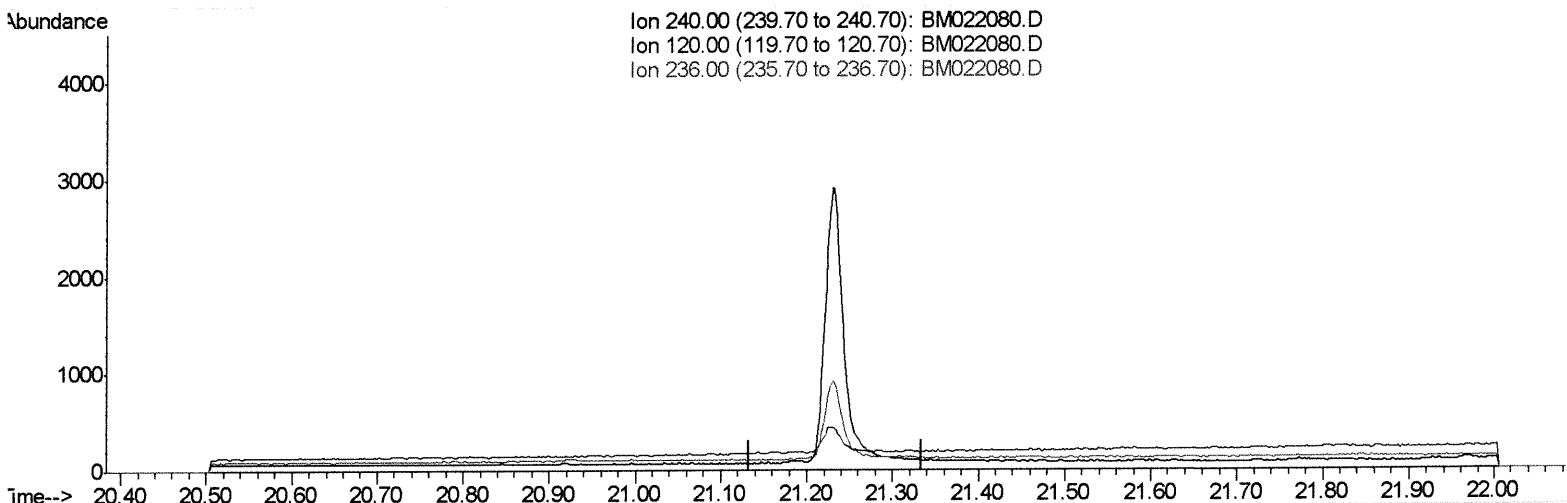
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : 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)

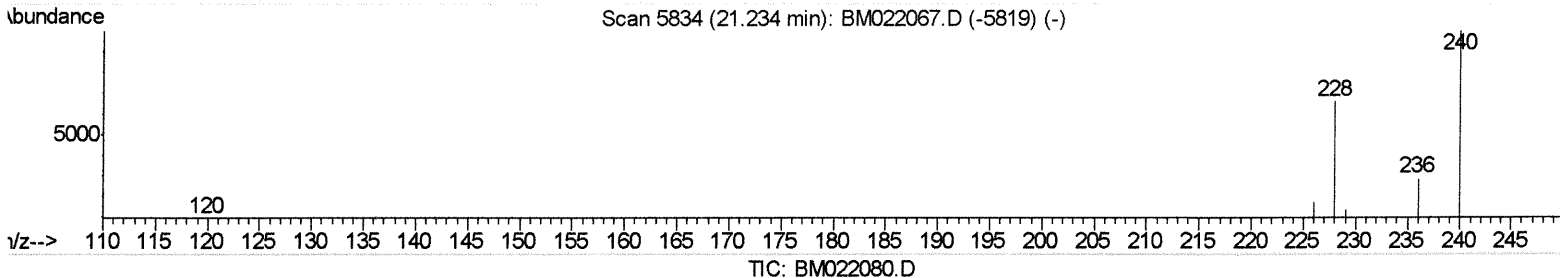
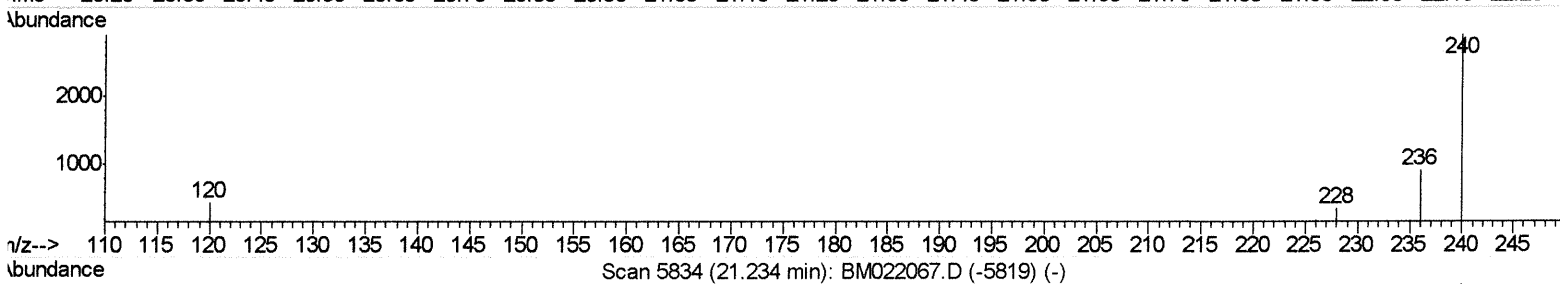
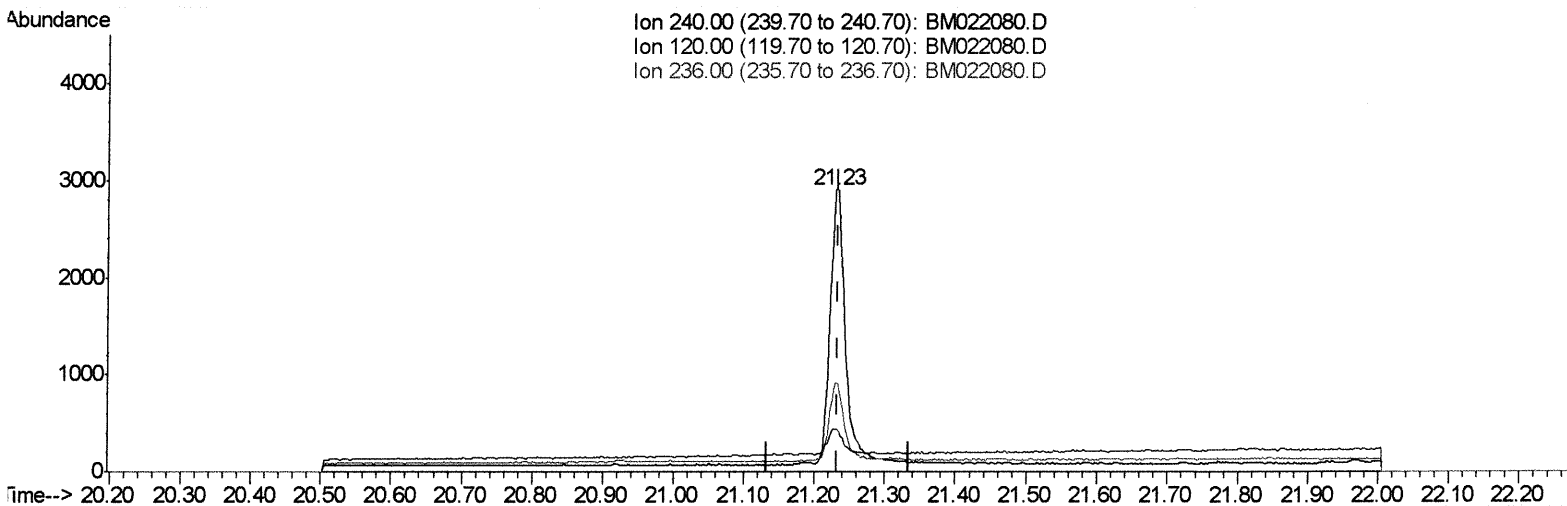
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:00:54 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 : 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 4139

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.15
236.00	32.30	31.19
0.00	0.00	0.00

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

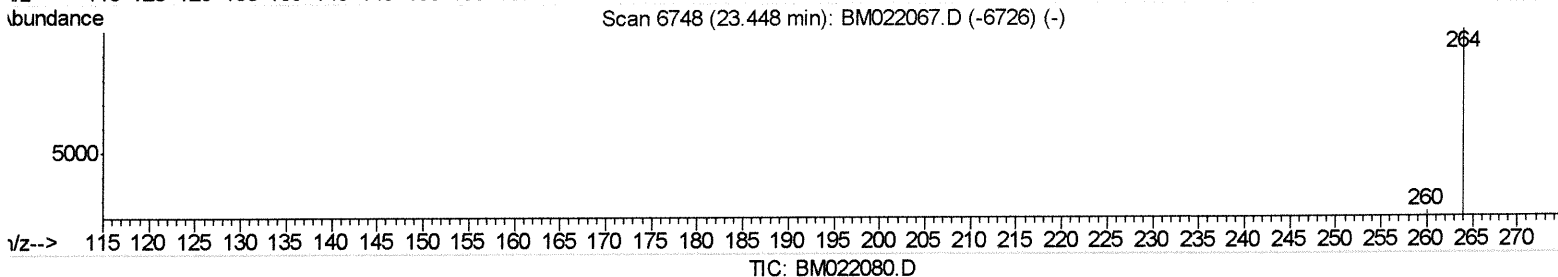
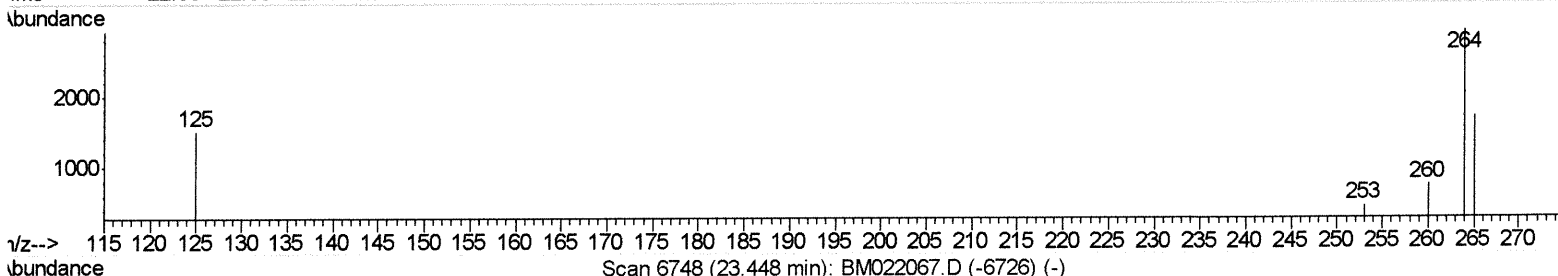
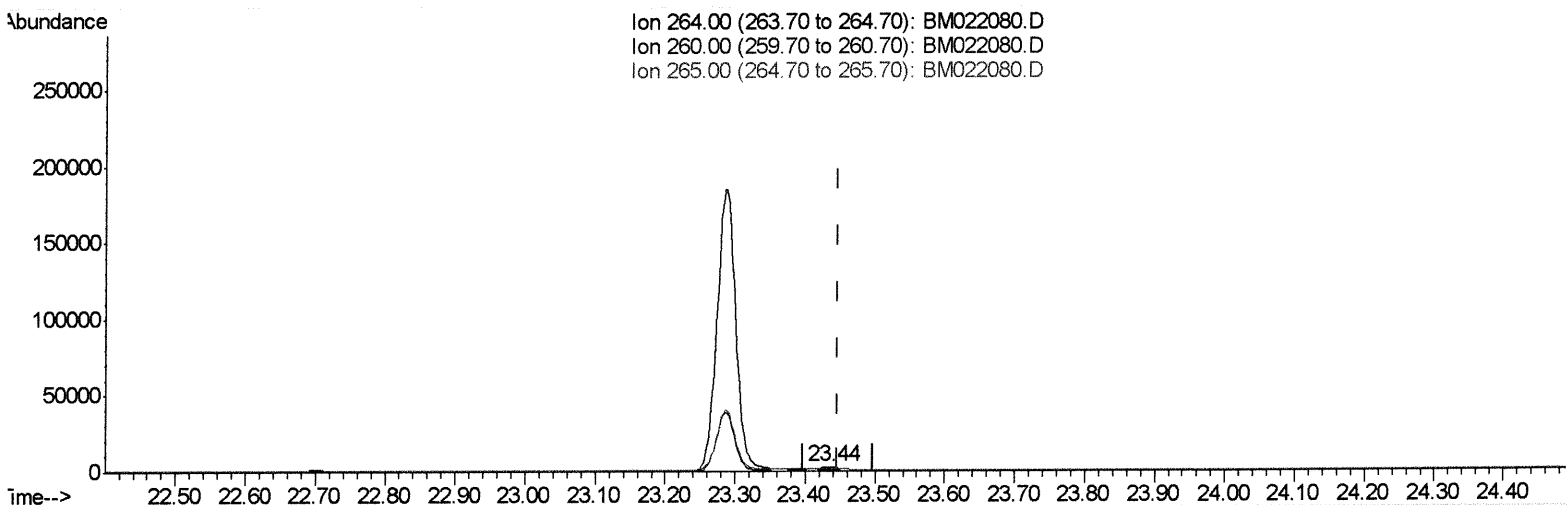
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:25 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)

23.438min (-0.010) 0.40ng/ul

response 5176

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.47
265.00	117.00	58.78#
0.00	0.00	0.00

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

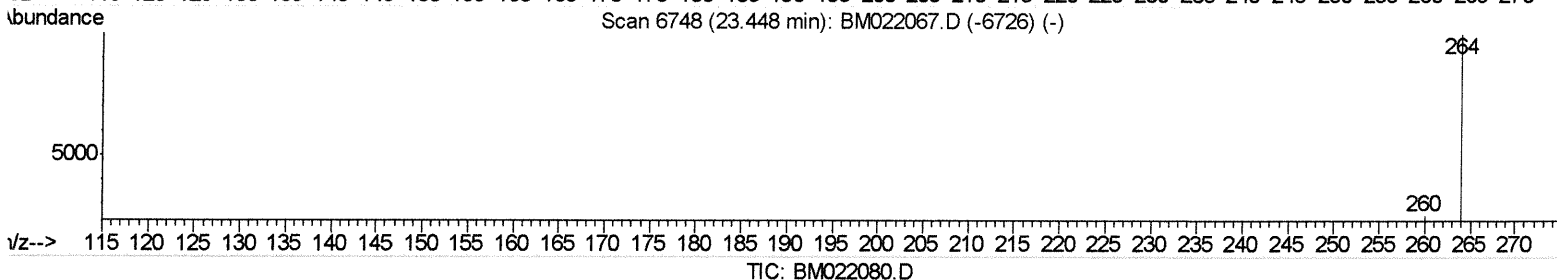
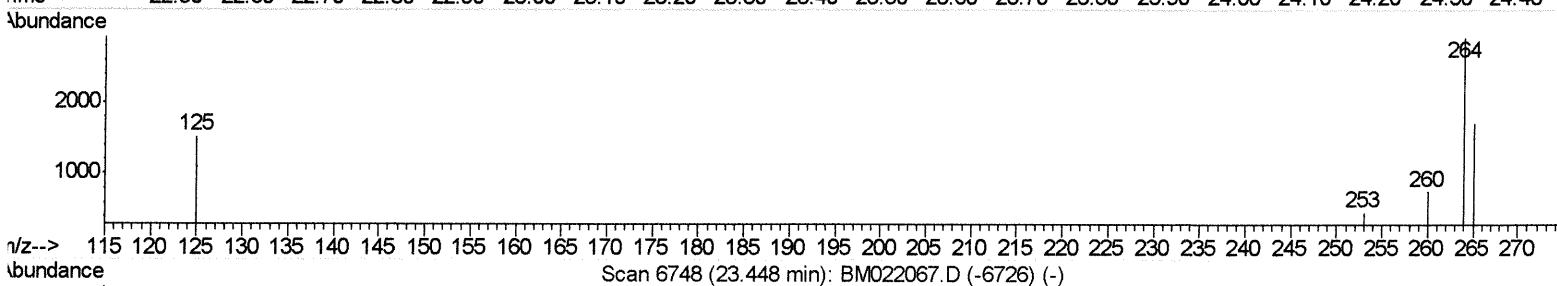
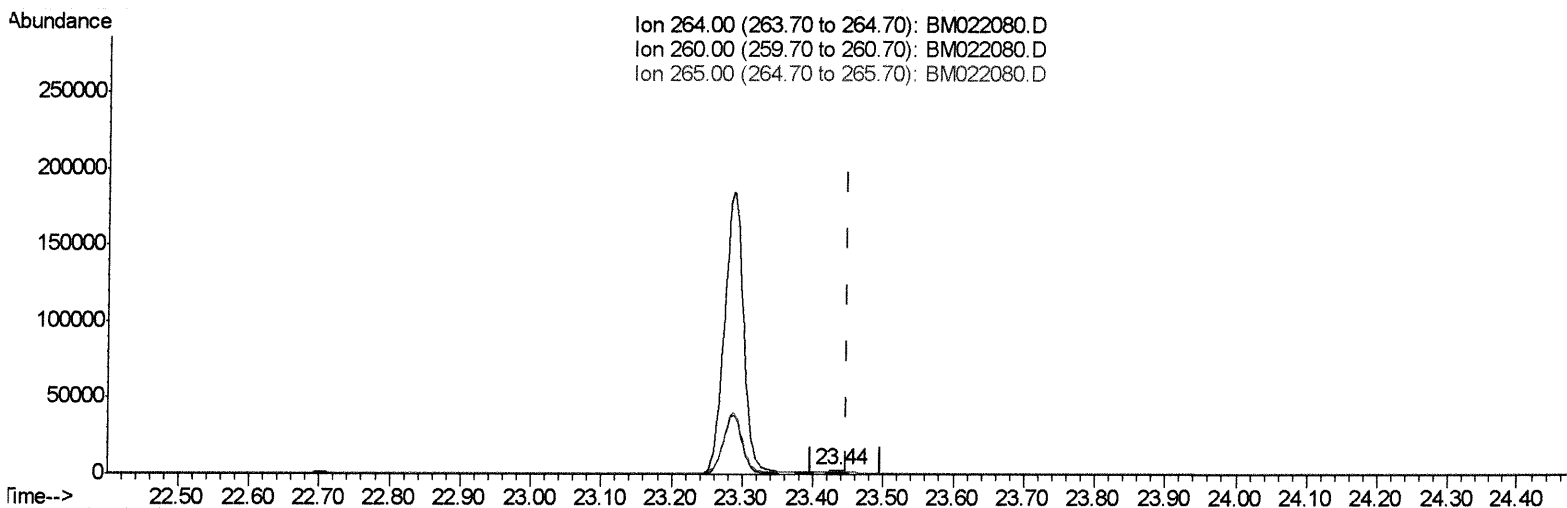
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:25 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)

23.438min (-0.010) 0.40ng/ul m *JU 8/14/19*

response 4187

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.47
265.00	117.00	58.78#
0.00	0.00	0.00

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

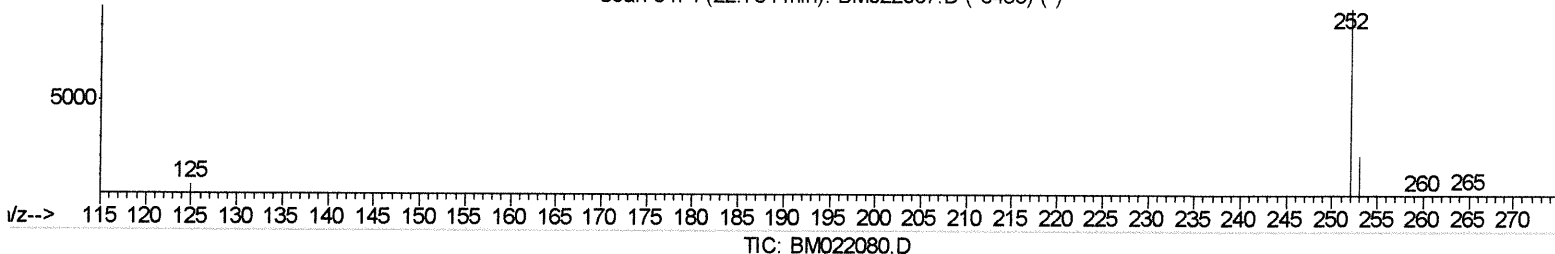
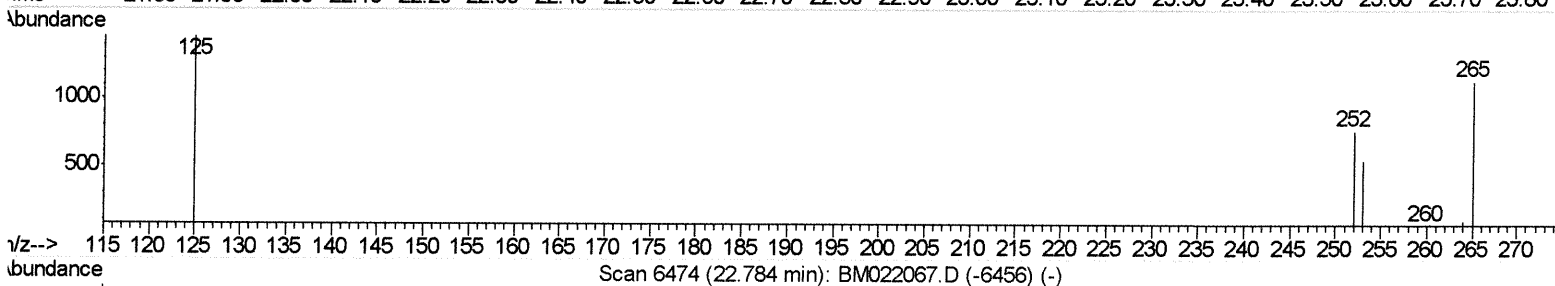
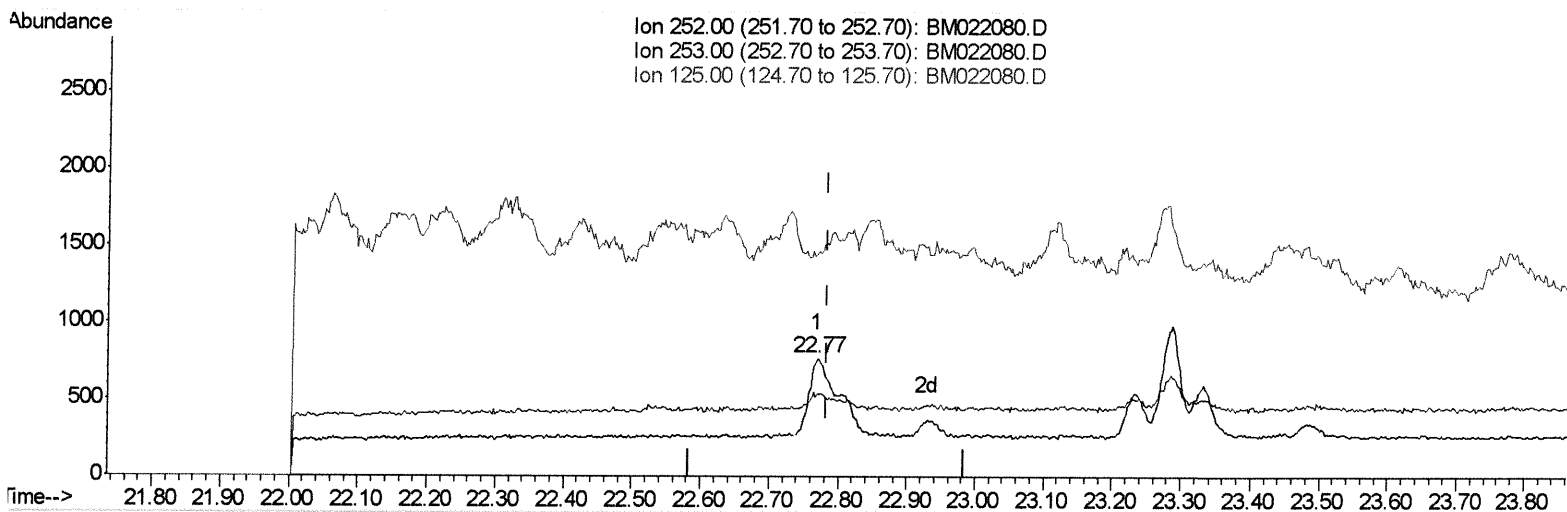
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:51 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

22.769min (-0.015) 0.10ng/ul

response 1463

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	70.39#
125.00	15.50	189.87#
0.00	0.00	0.00

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

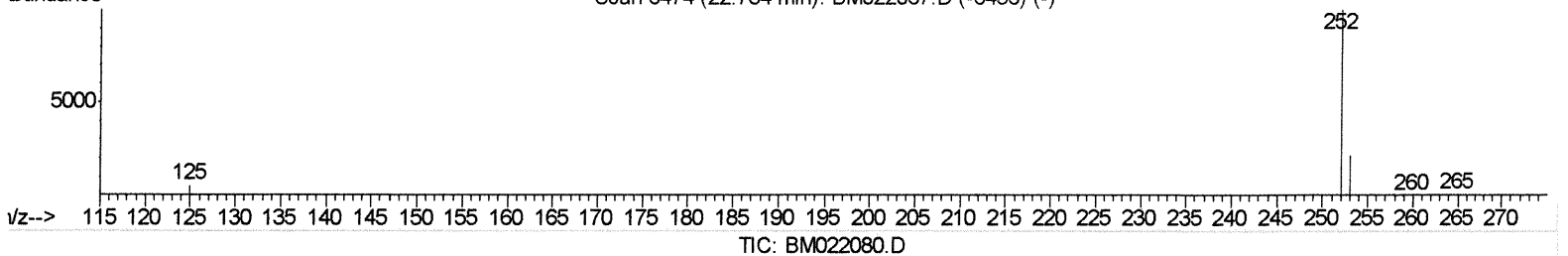
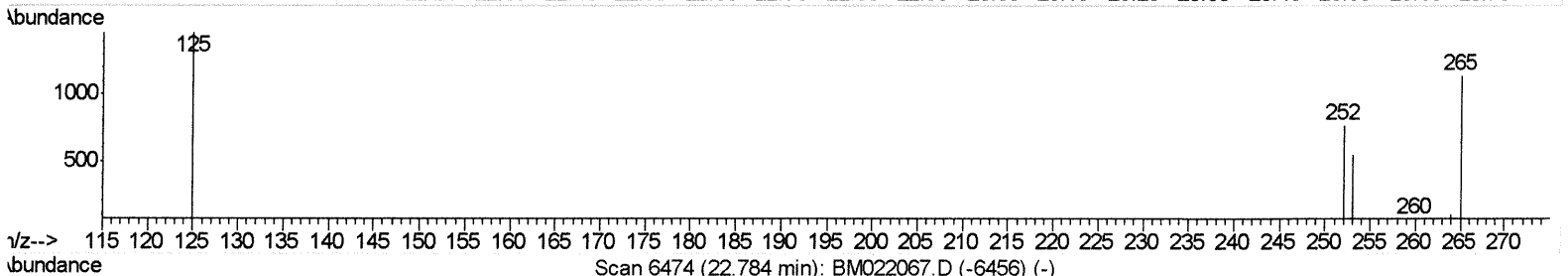
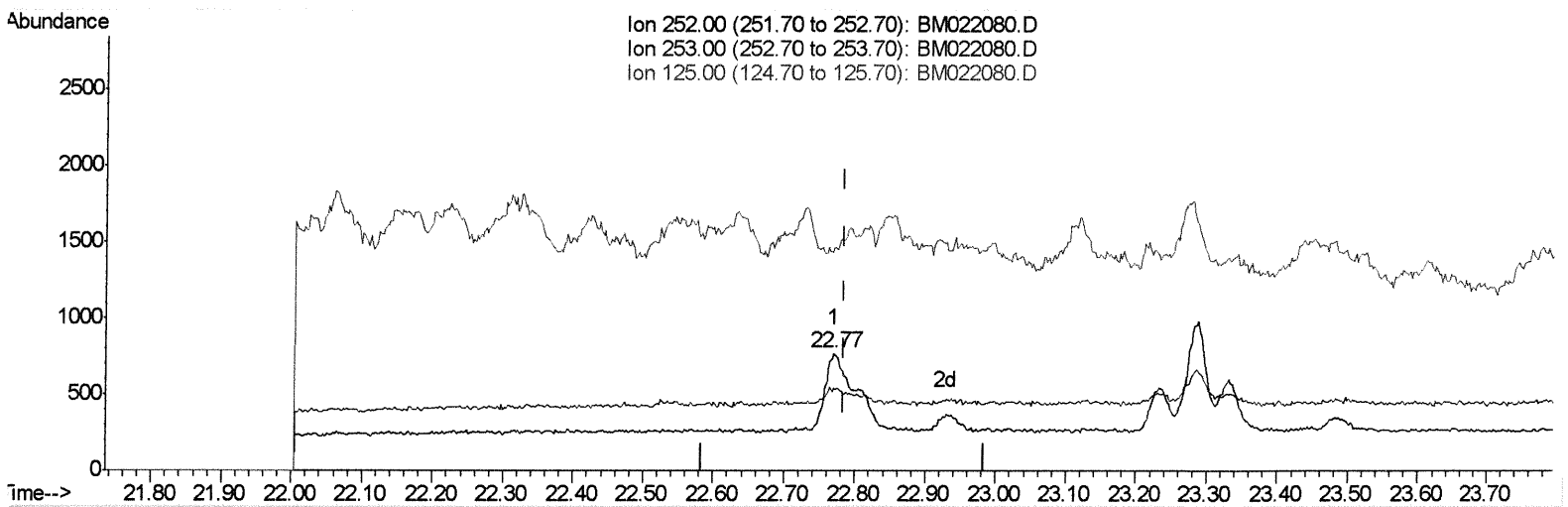
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:51 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

22.769min (-0.015) 0.07ng/ul m *Ju* 8/14/19

response 1019

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	70.39#
125.00	15.50	189.87#
0.00	0.00	0.00

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

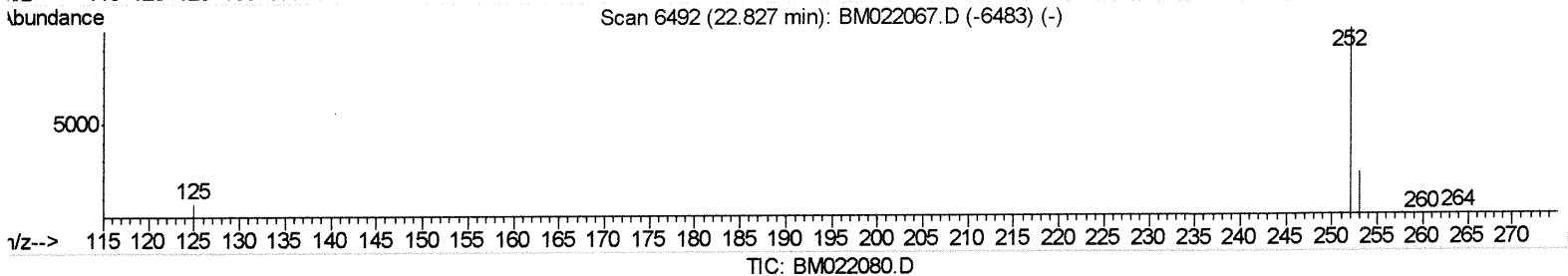
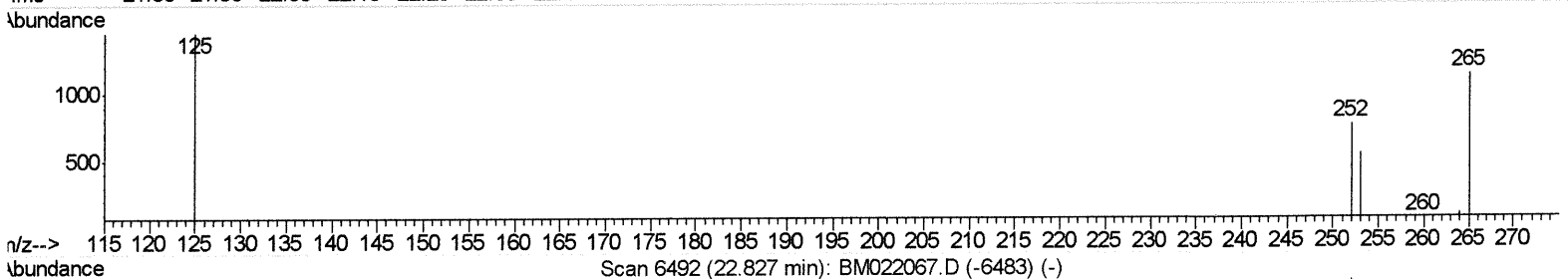
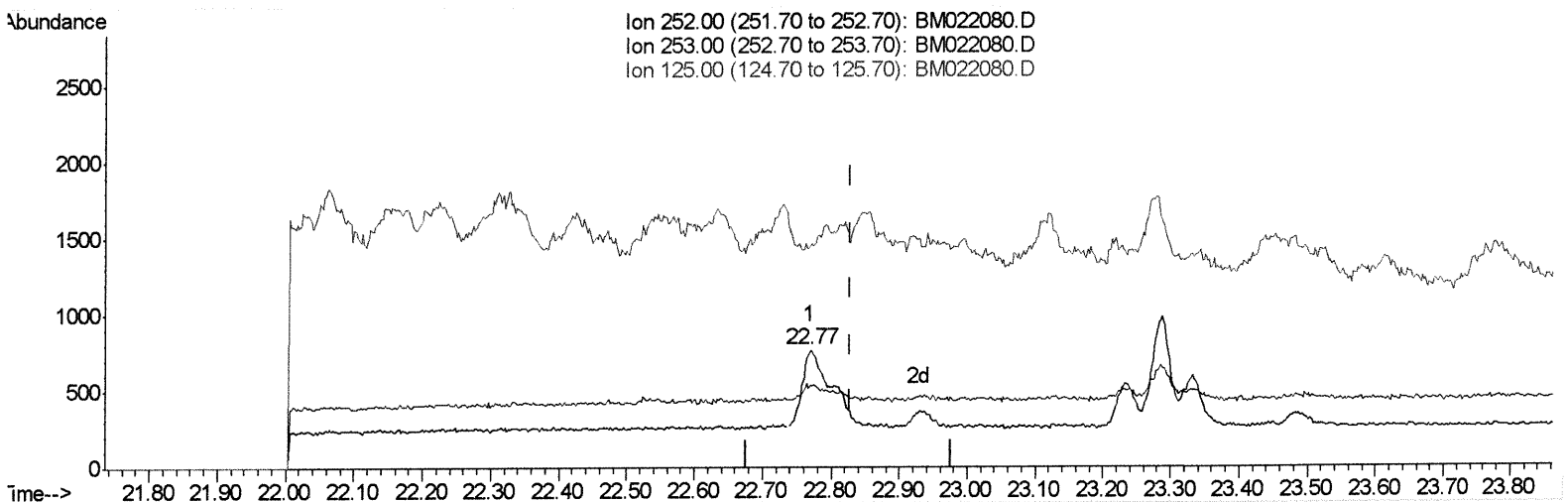
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:51 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

22.769min (-0.058) 0.09ng/ul

response 1463

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	70.39#
125.00	15.20	189.87#
0.00	0.00	0.00

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

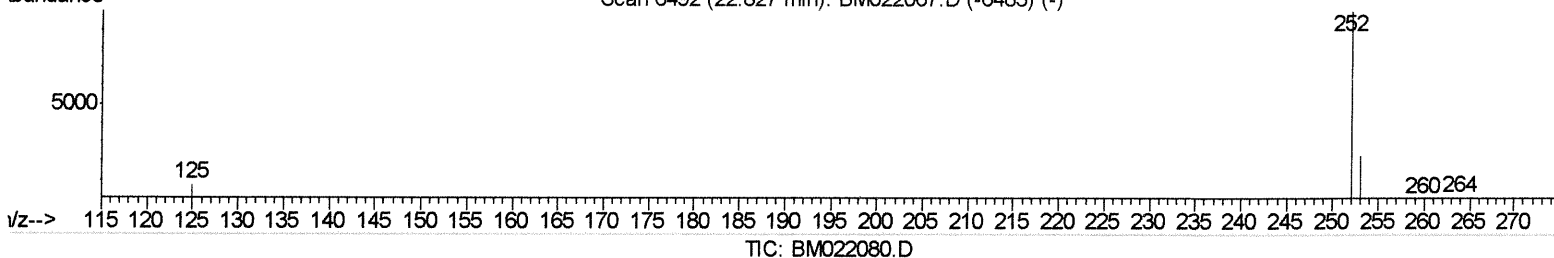
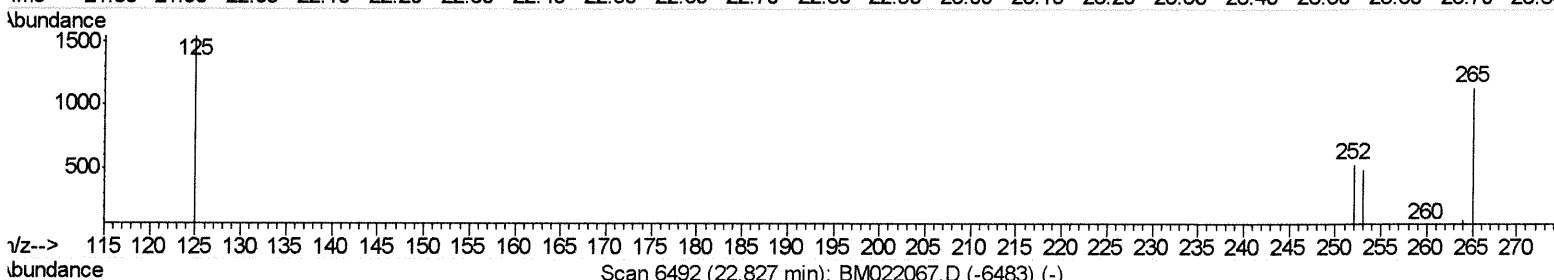
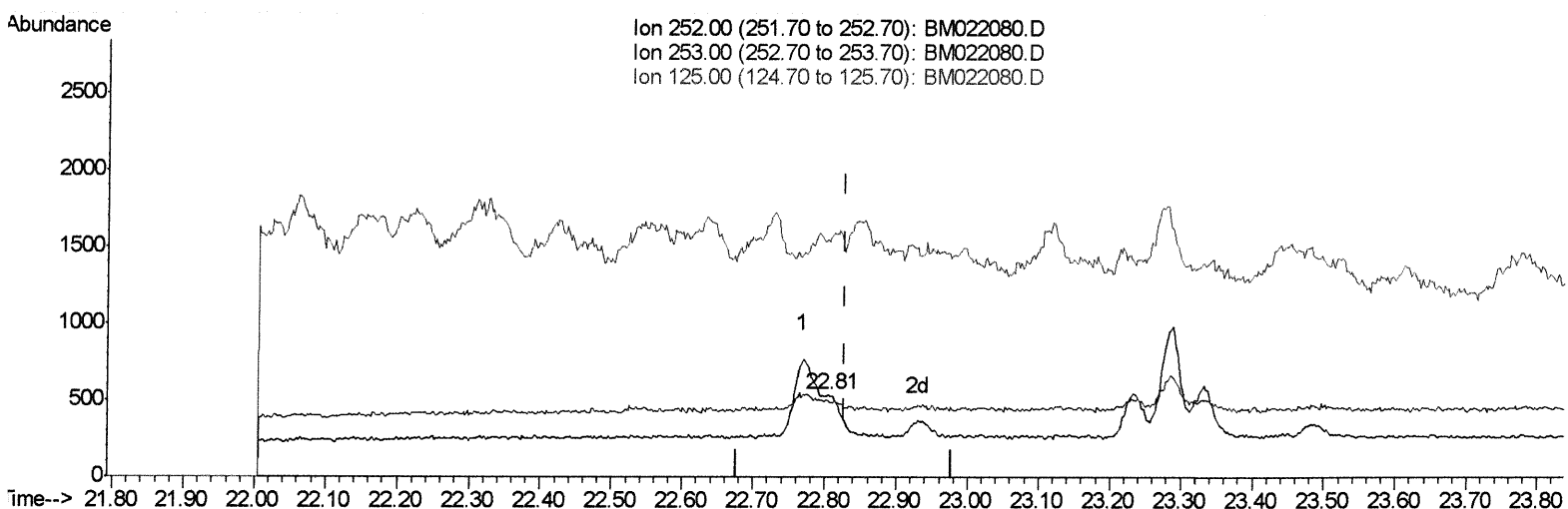
Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:02:51 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

22.805min (-0.022) 0.03ng/ul m 08/14/19

response 474

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	91.21#
125.00	15.20	287.10#
0.00	0.00	0.00

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

Data File : BM022080.D
Acq On : 13 Aug 2019 21:15
Operator : HP/JU
Sample : K4183-19
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK4

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:49 PM

Quant Time: Aug 14 08:03:26 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	734	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3217	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1834	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4449m→	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	4139m→	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4187m→	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	1618	0.30	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	4363m→	0.29	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) Phenanthrene	17.06	178	926m	0.072	ng/ul	
15) Fluoranthene	19.08	202	1660m	0.096	ng/ul	
17) Pyrene	19.45	202	1459	0.086	ng/ul#	67
18) Benzo(a)anthracene	21.22	228	953	0.064	ng/ul#	79
19) Chrysene	21.27	228	819	0.043	ng/ul#	77
21) Benzo(b)fluoranthene	22.77	252	1019m→	0.072	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	474m→	0.030	ng/ul	
23) Benzo(a)pyrene	23.33	252	600	0.042	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.67	276	454	0.026	ng/ul#	67
26) Benzo(g,h,i)perylene	26.34	276	481	0.031	ng/ul#	1

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