

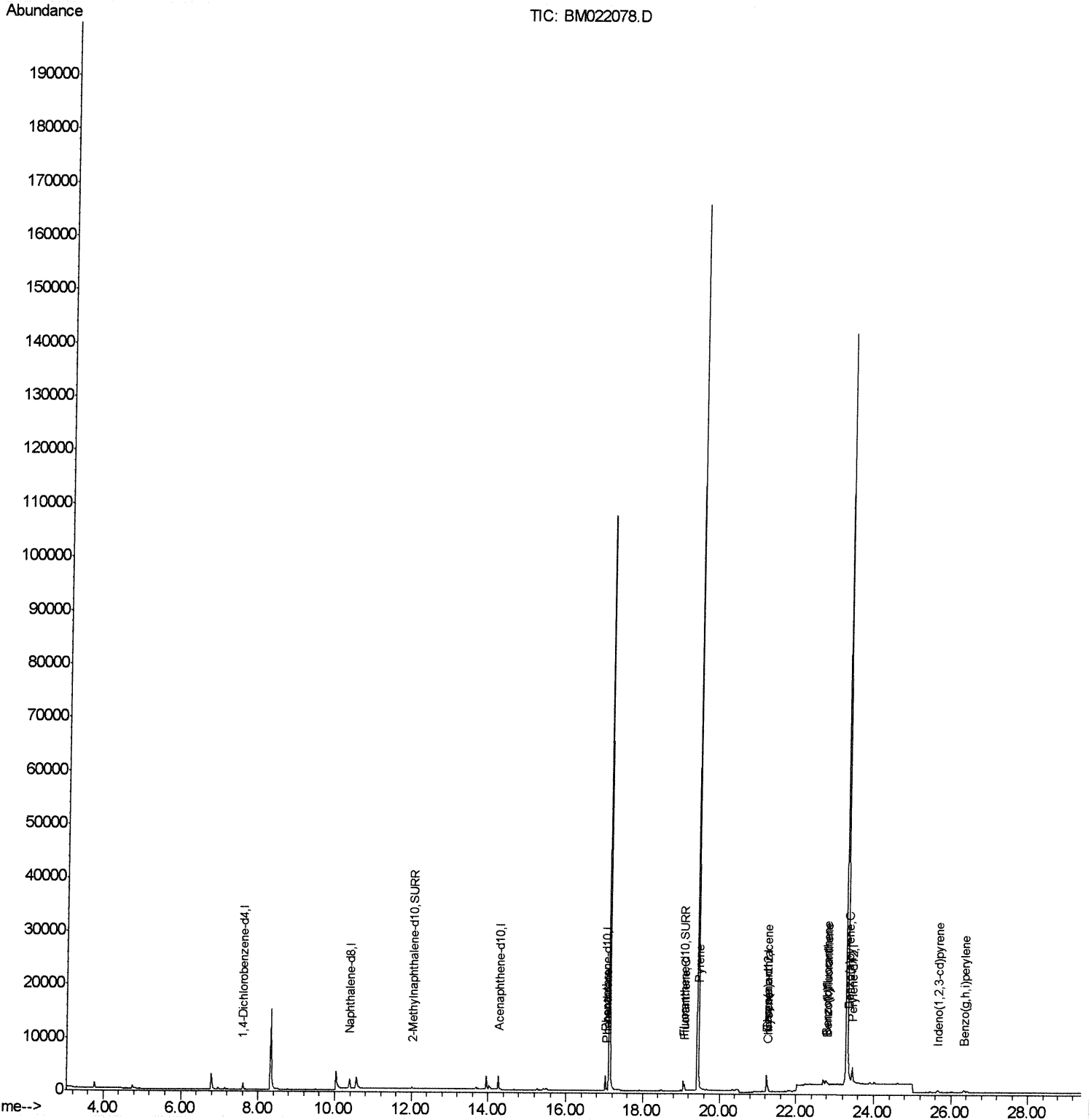
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:51 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



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

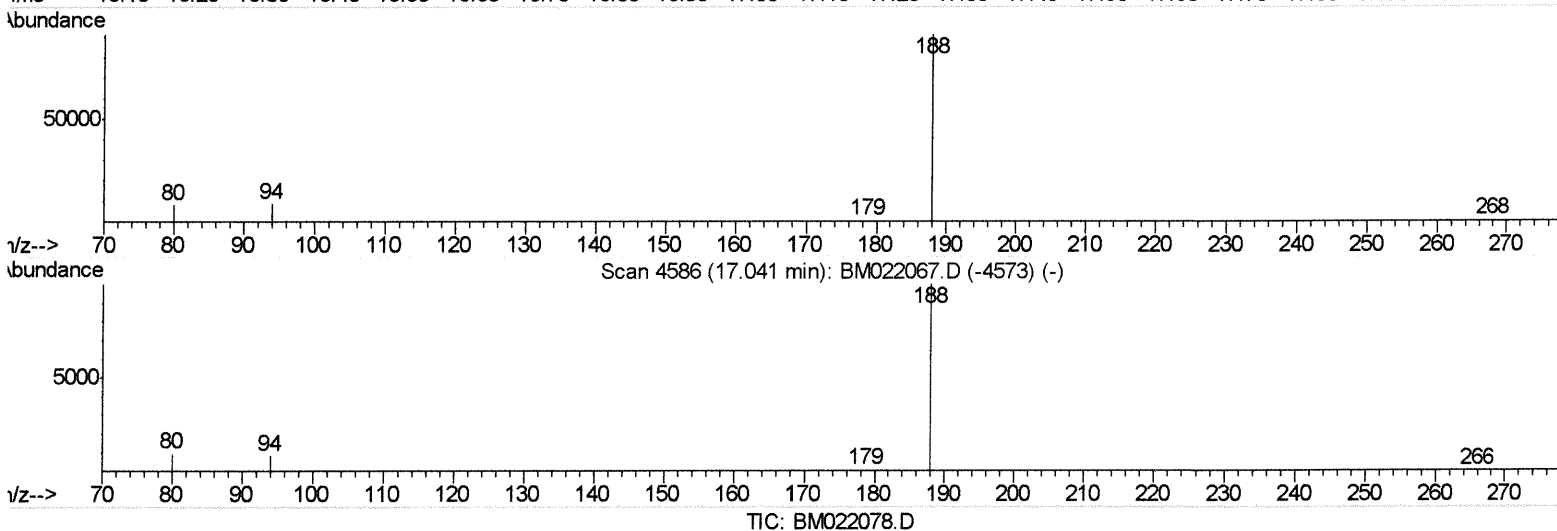
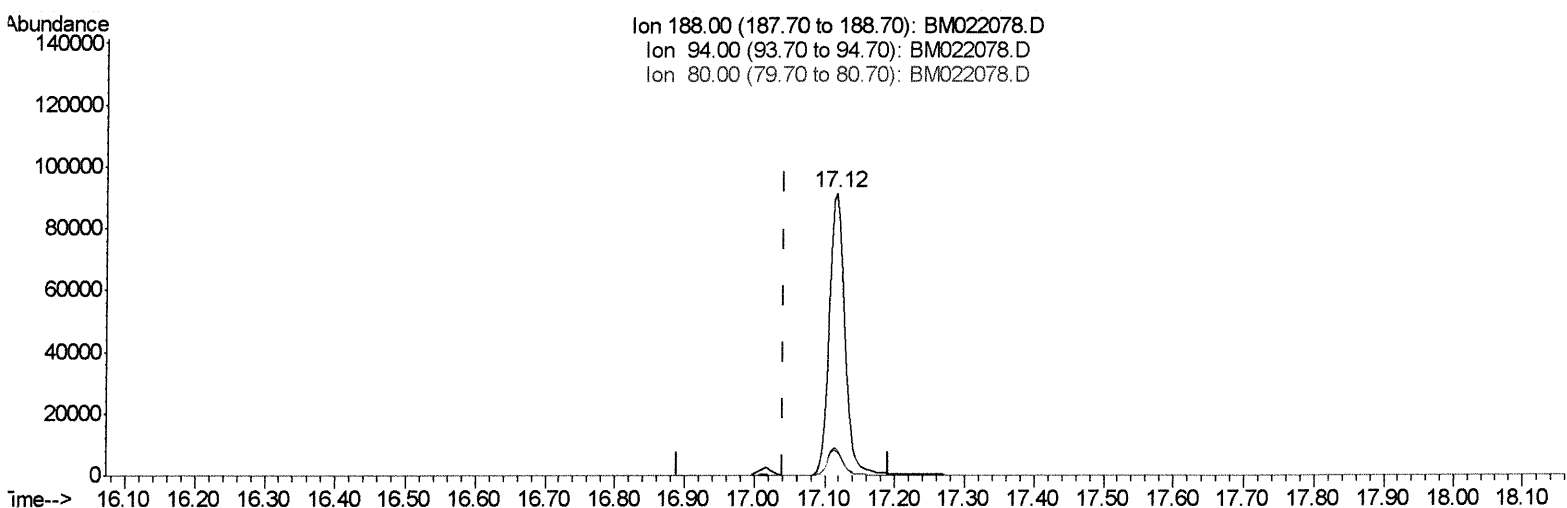
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:22:18 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)

17.116min (+0.075) 0.40ng/ul

response 137862

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.39
80.00	11.40	8.74#
0.00	0.00	0.00

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

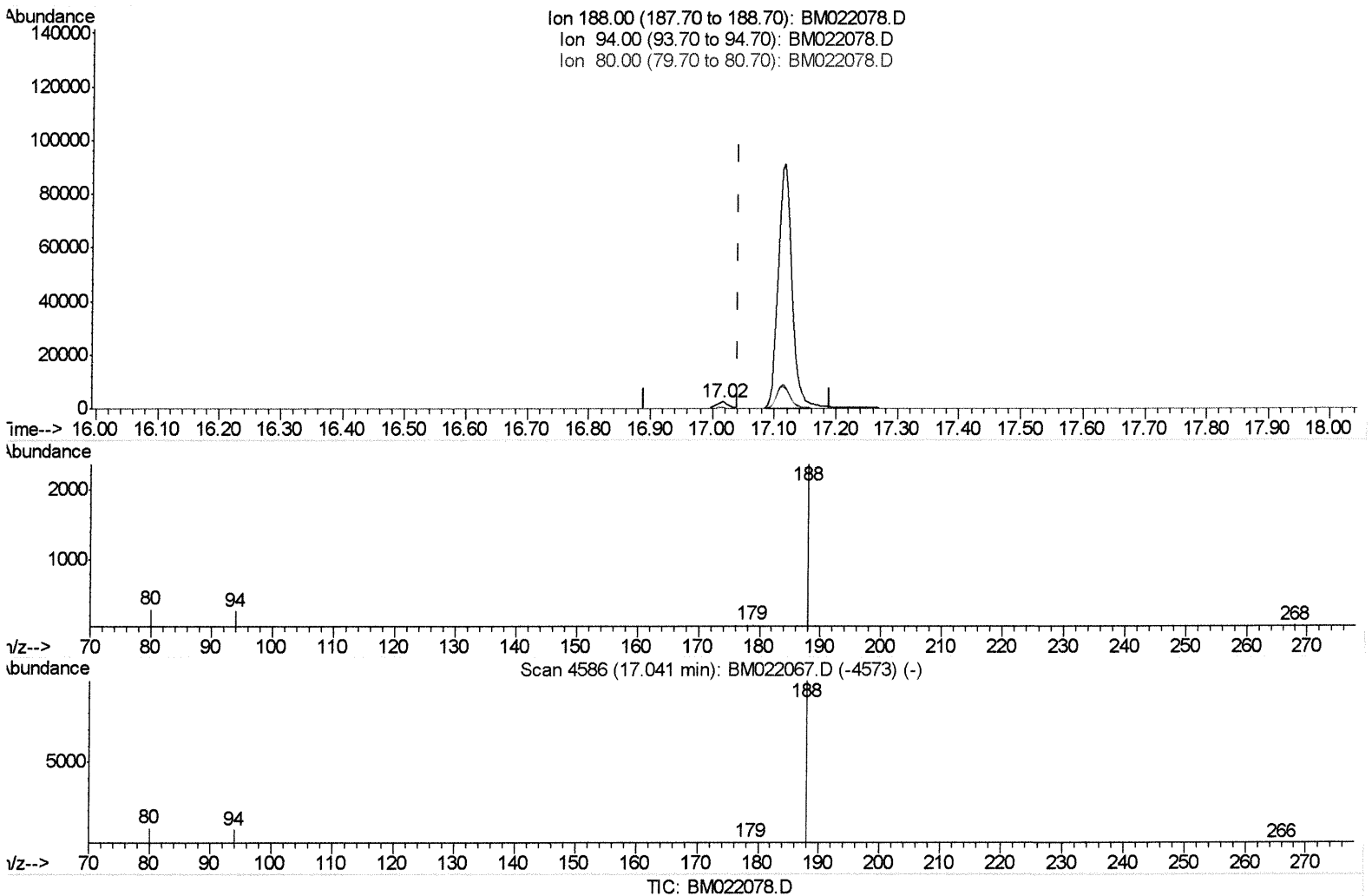
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:22:18 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 3452

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.21
80.00	11.40	12.15
0.00	0.00	0.00

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

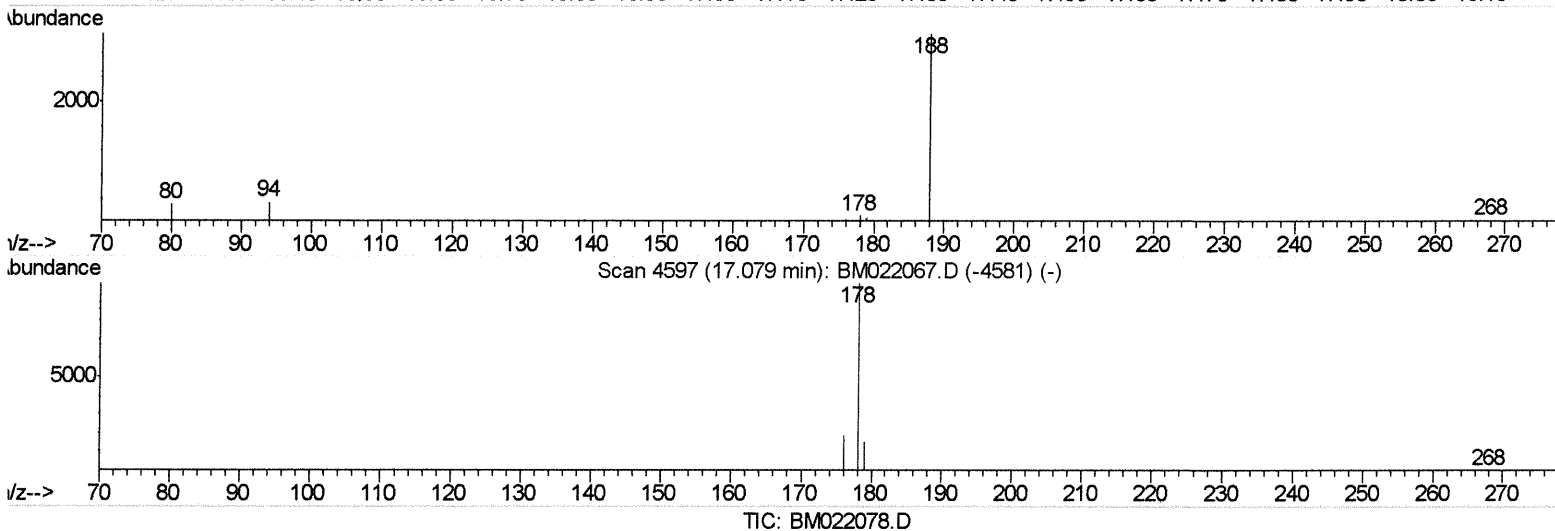
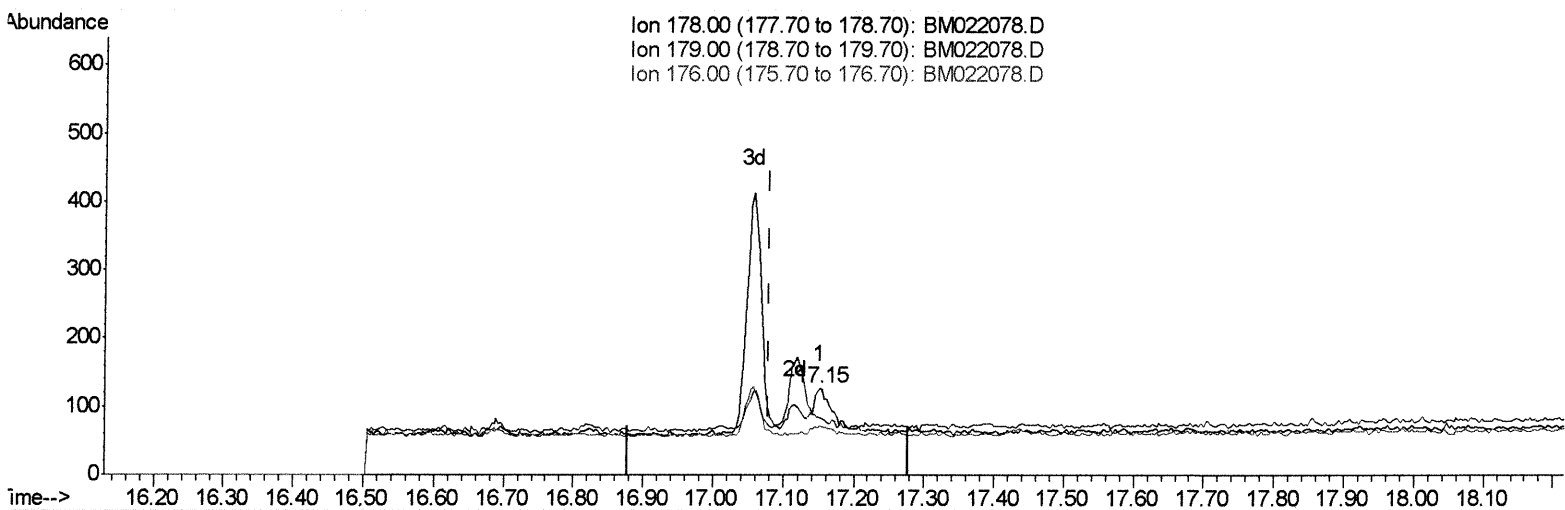
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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) 0.01ng/ul

response 122

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	67.46#
176.00	21.00	57.14#
0.00	0.00	0.00

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

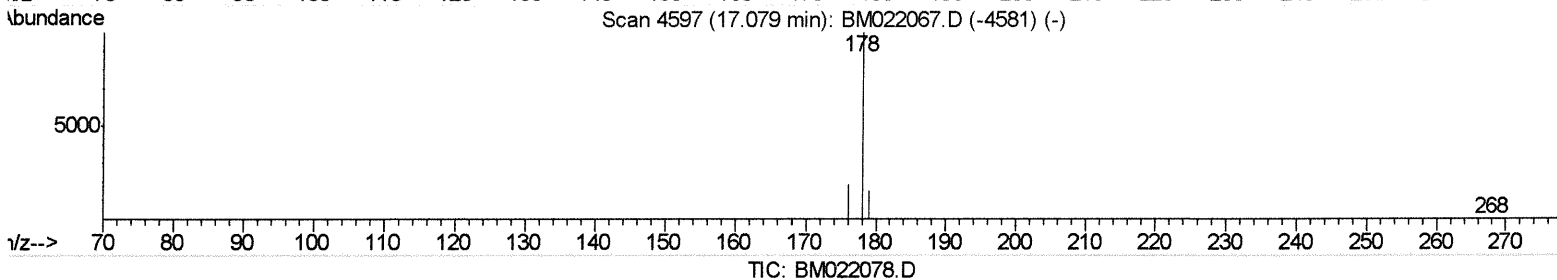
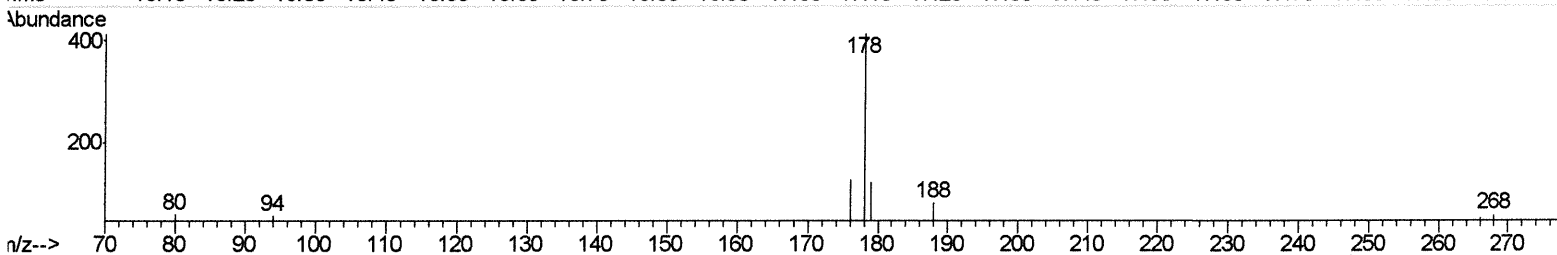
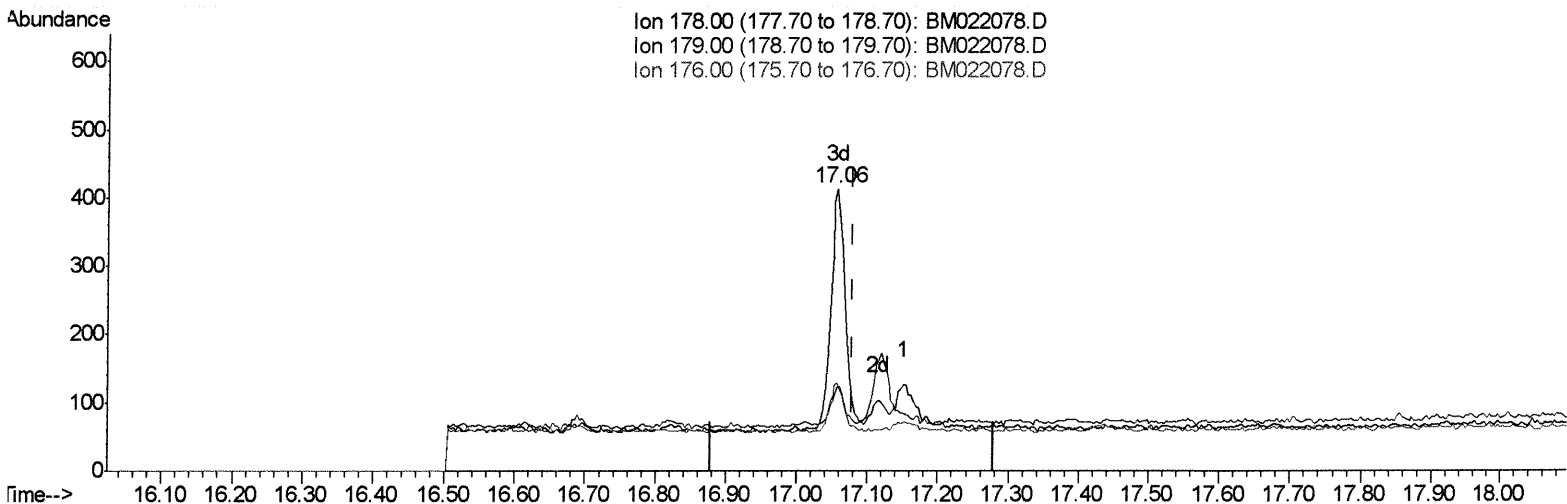
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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) 0.05ng/ul m

JU
08/14/19

response 509

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	29.54#
176.00	21.00	31.23#
0.00	0.00	0.00

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

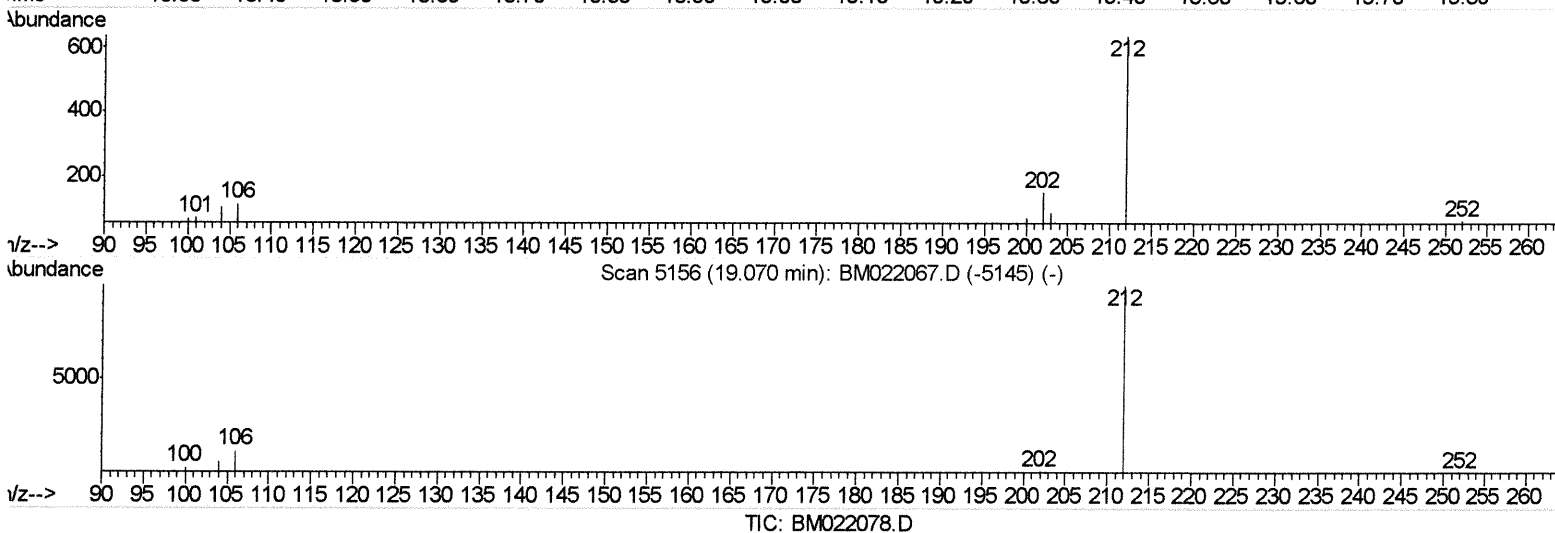
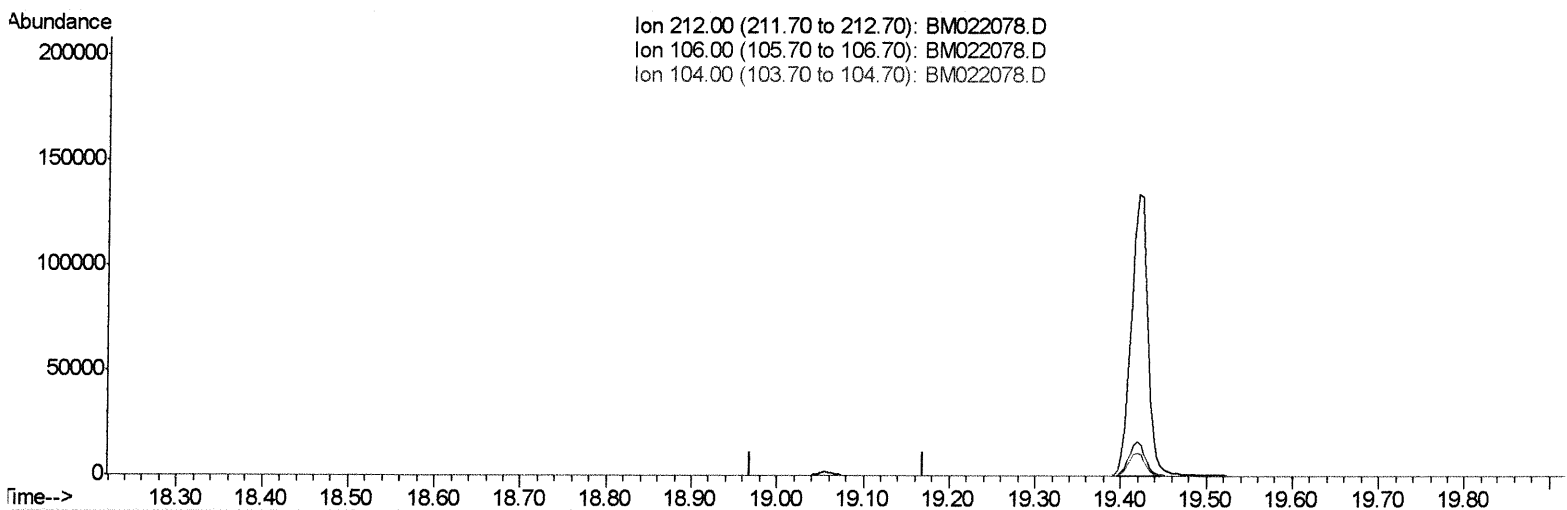
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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)

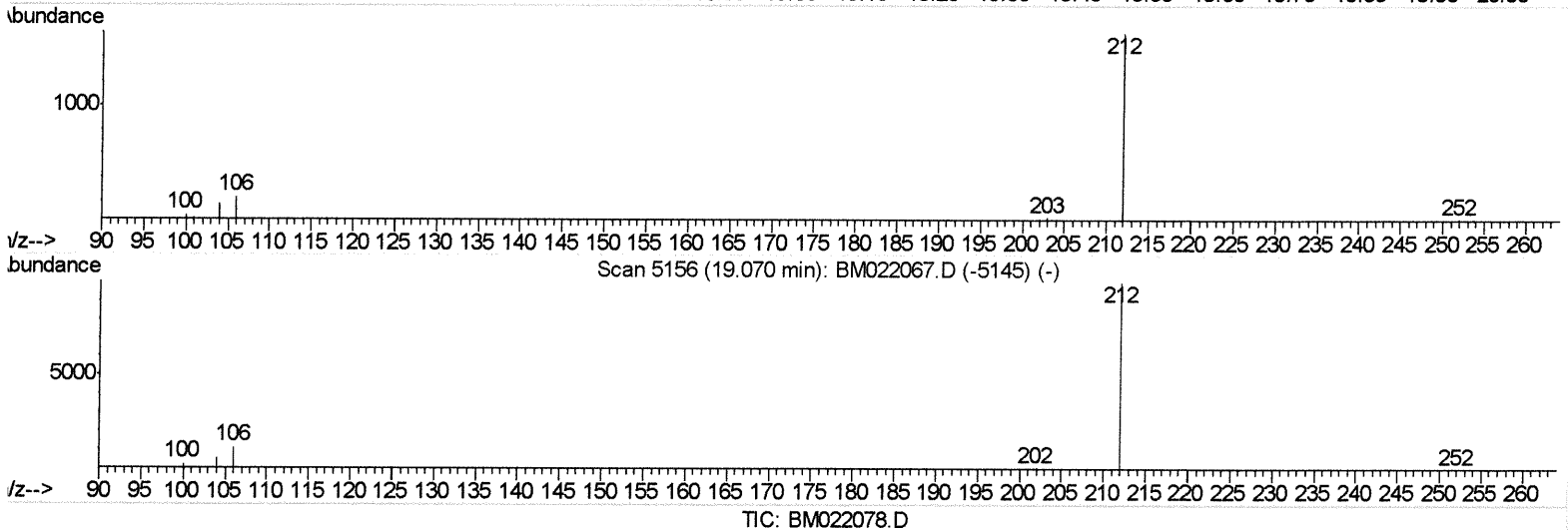
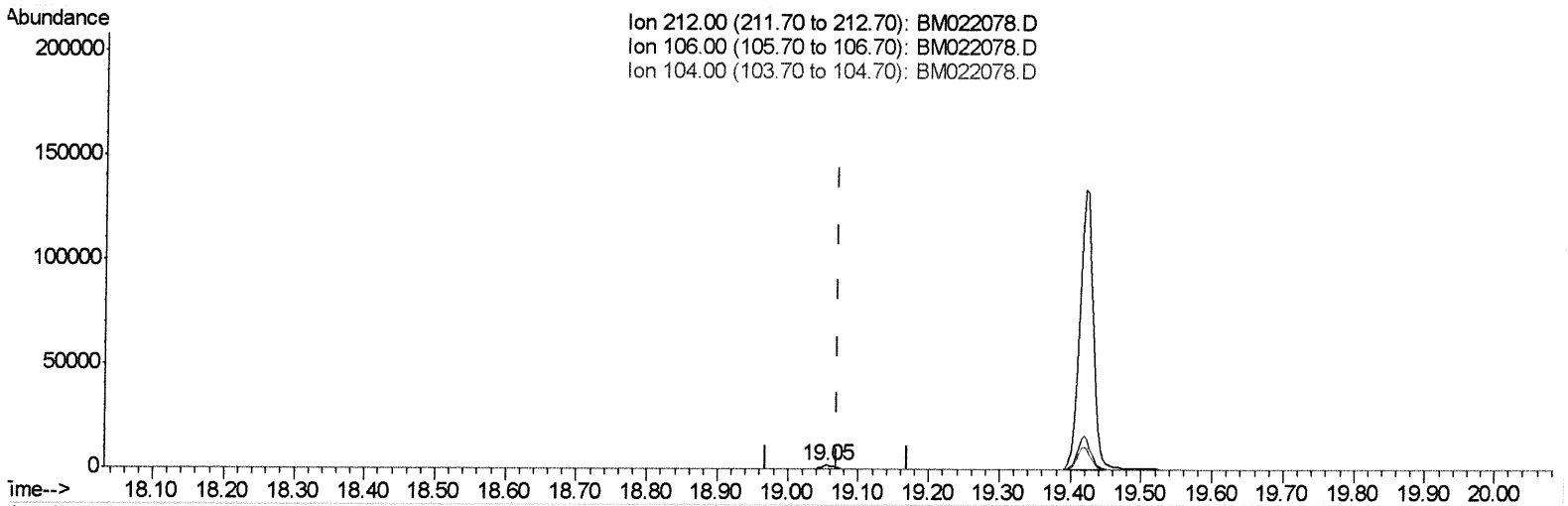
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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) 0.20ng/ul m

JU
08/14/19

response 2321

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)

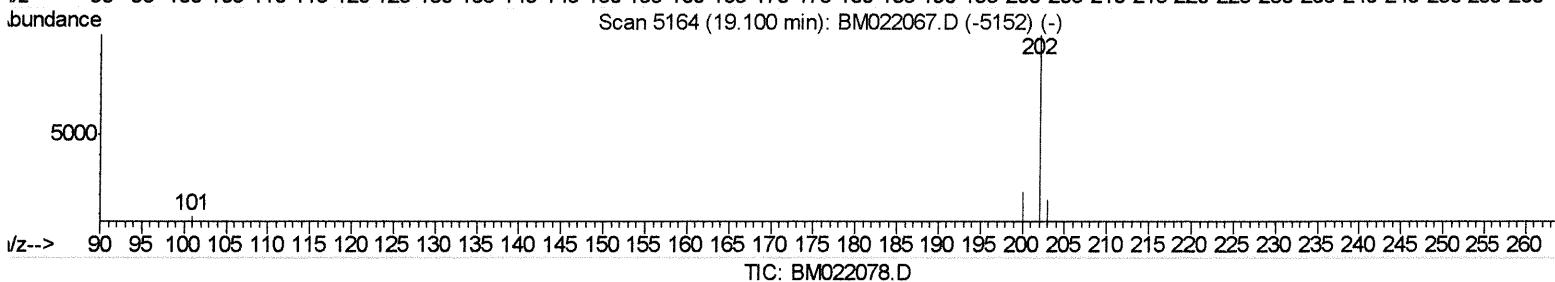
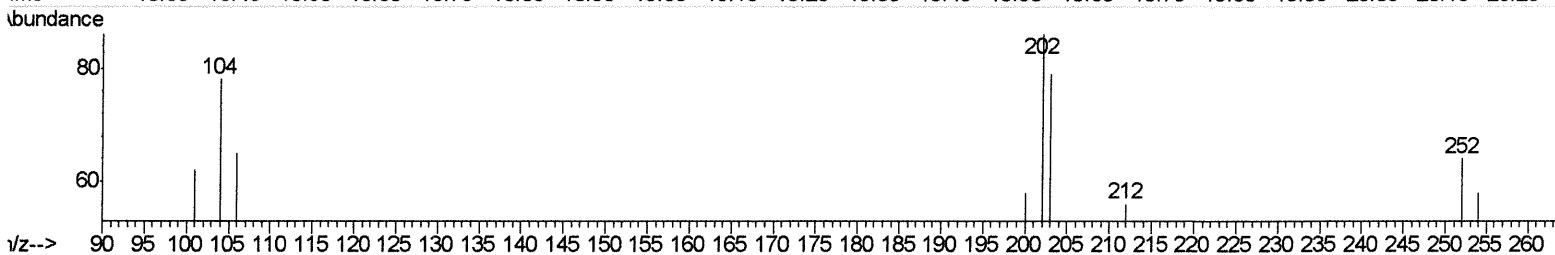
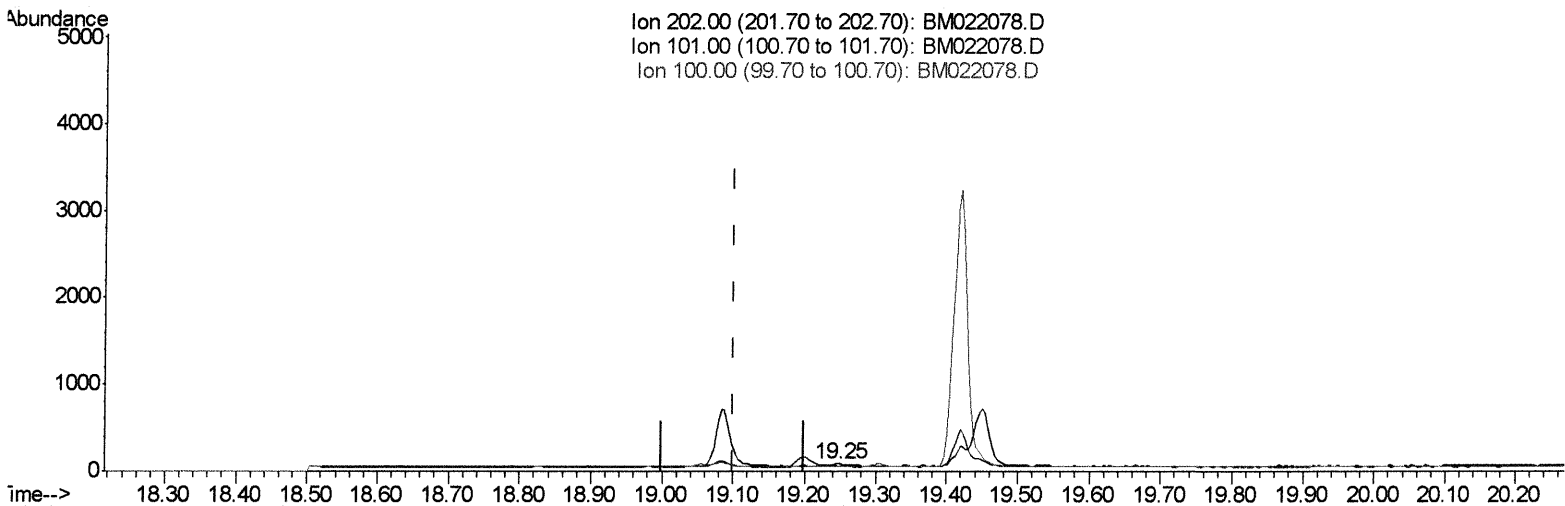
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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 48

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	72.09#
100.00	8.10	61.63#
0.00	0.00	0.00

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

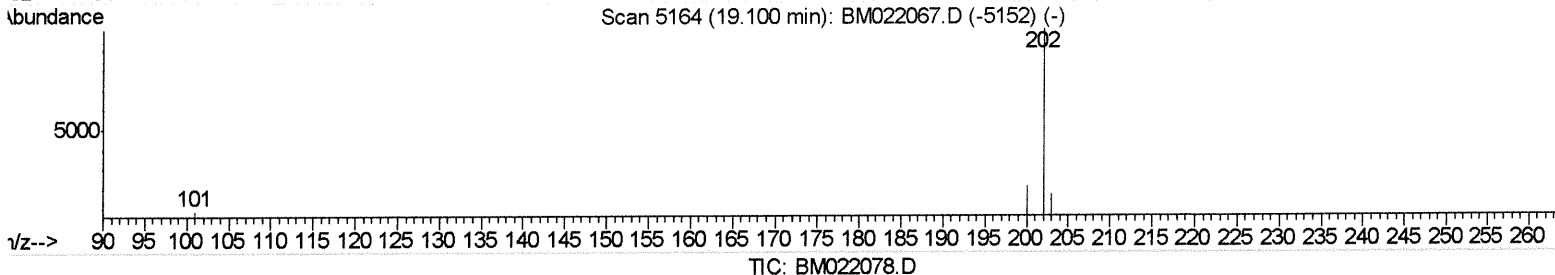
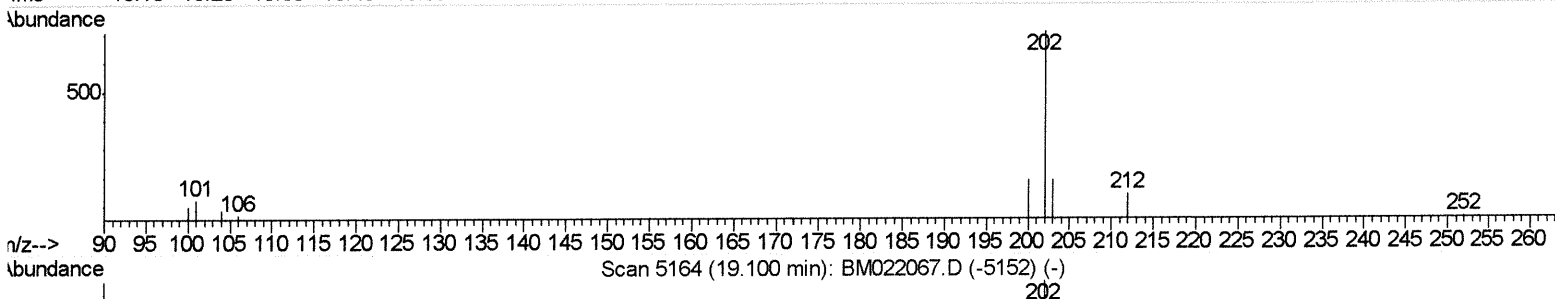
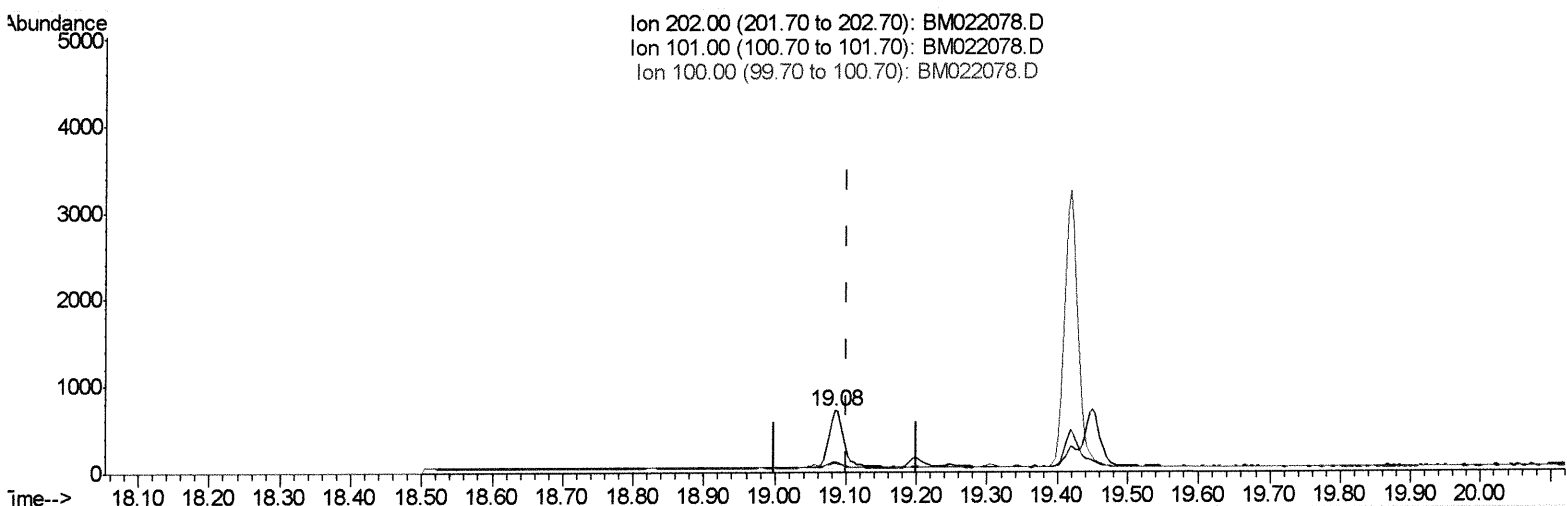
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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) 0.07ng/ul m

JU 08/14/19

response 960

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	17.26
100.00	8.10	14.14
0.00	0.00	0.00

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

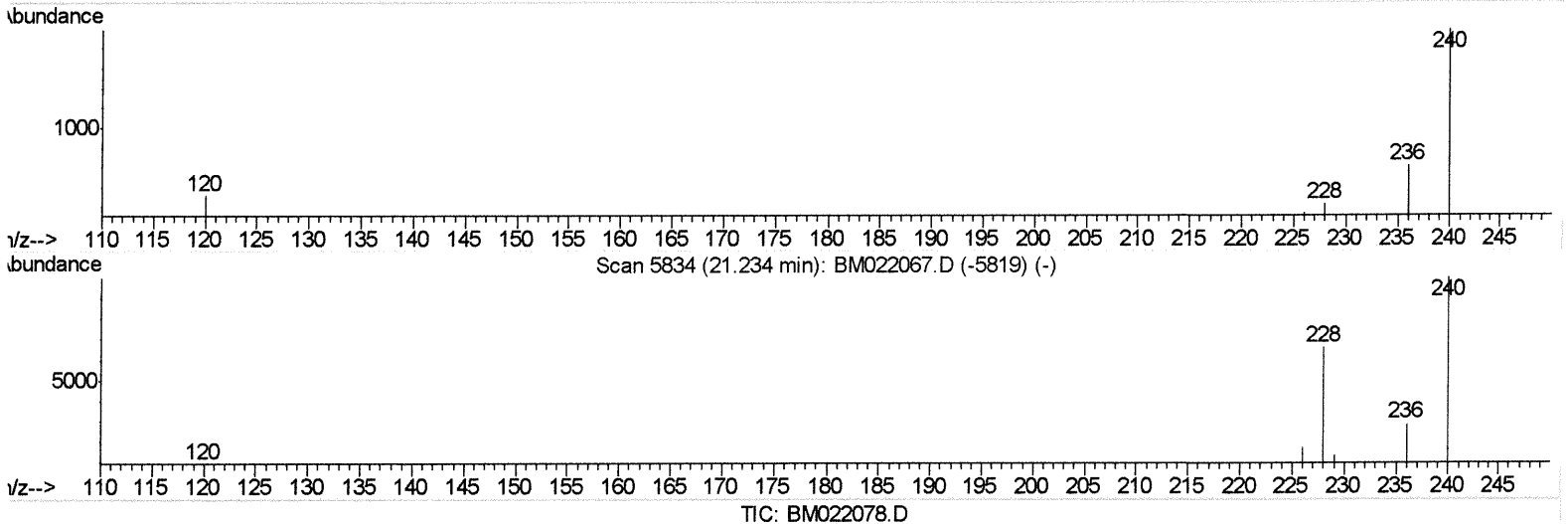
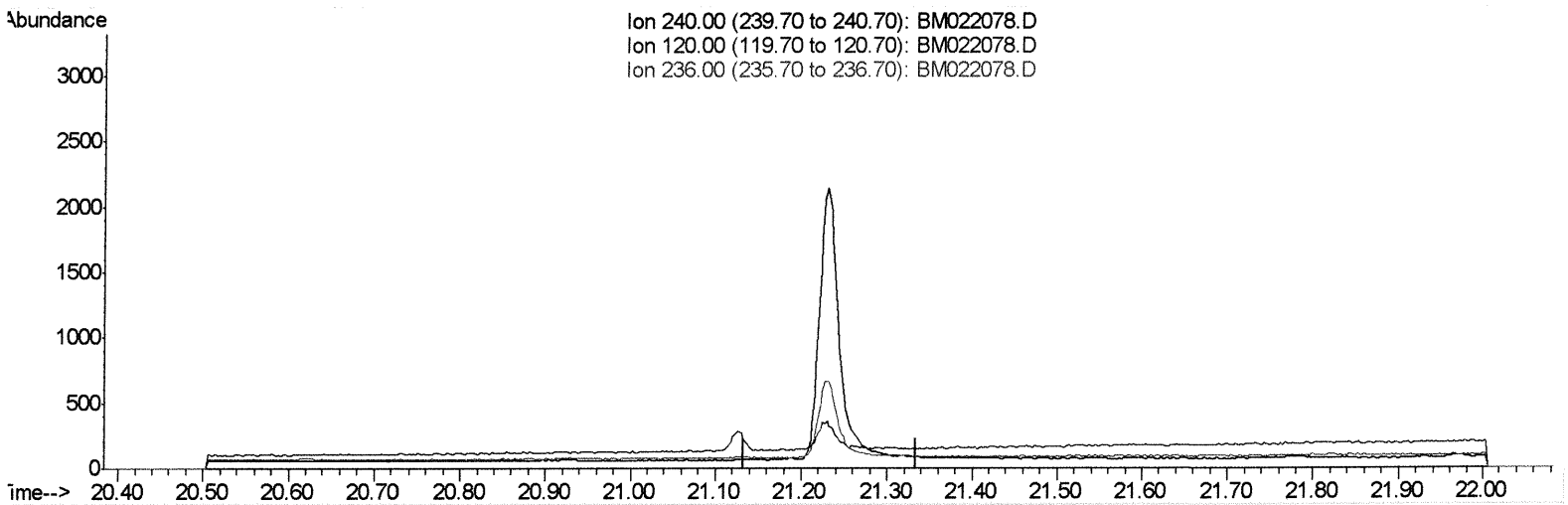
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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)

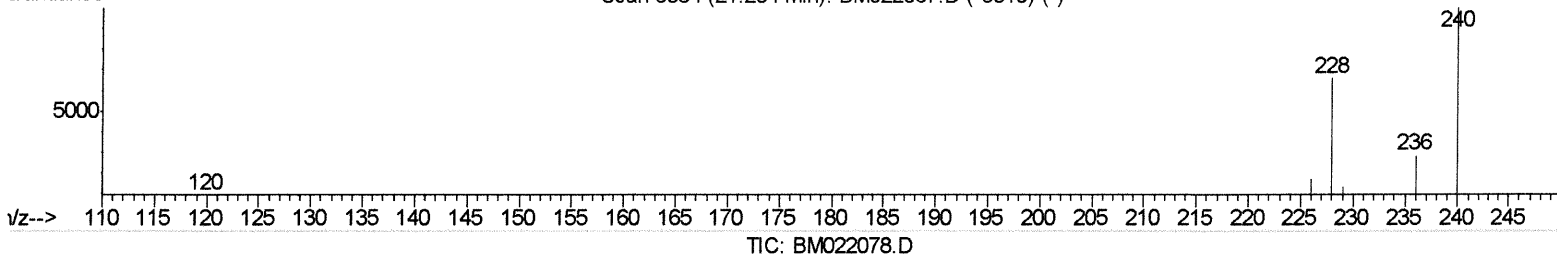
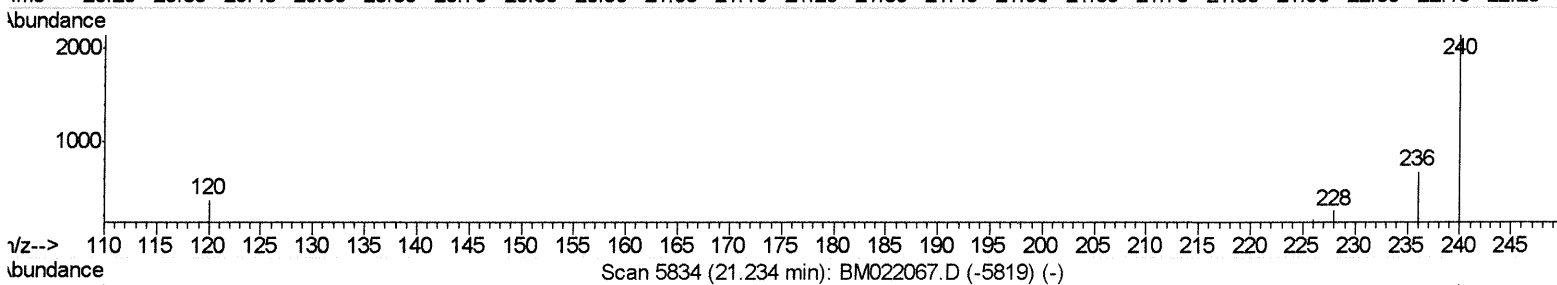
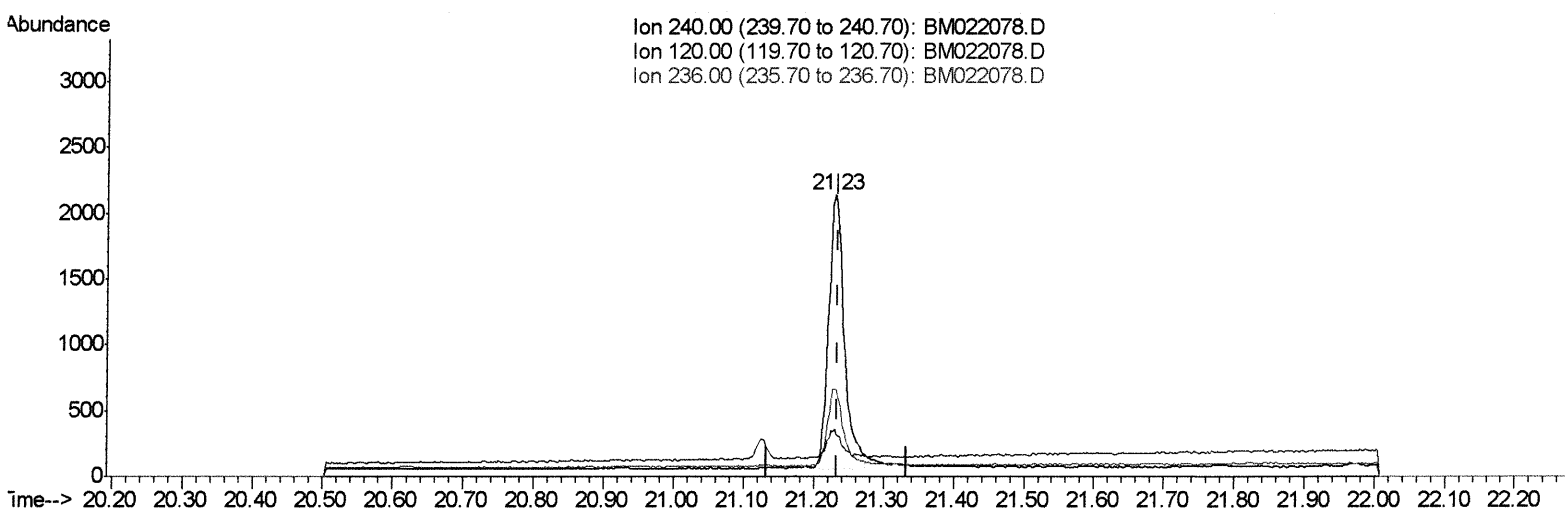
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:52:38 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 3250

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	16.91
236.00	32.30	31.06
0.00	0.00	0.00

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

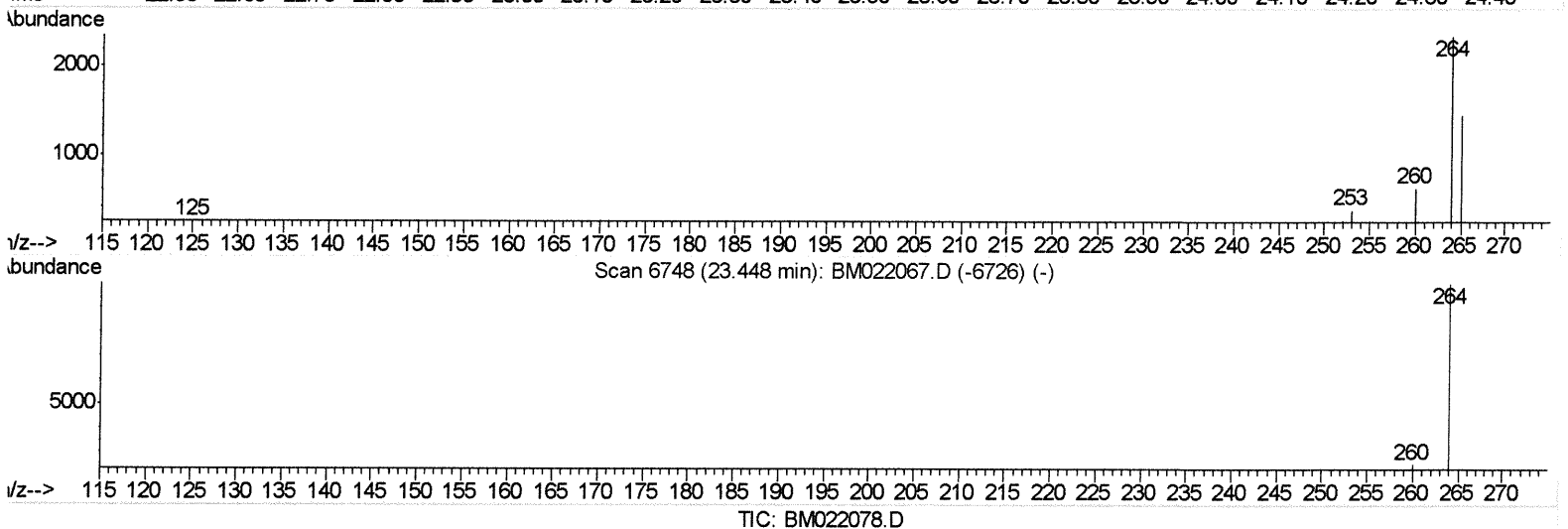
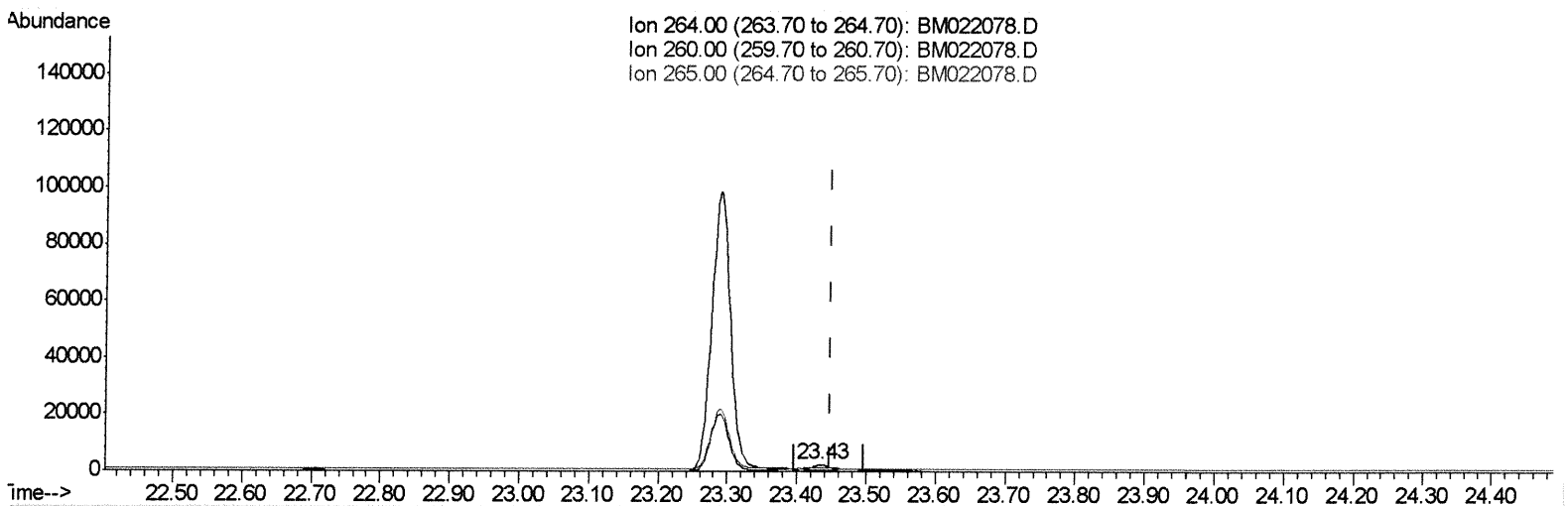
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:53:43 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)

23.433min (-0.015) 0.40ng/ul

response 3940

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.28
265.00	117.00	61.86#
0.00	0.00	0.00

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

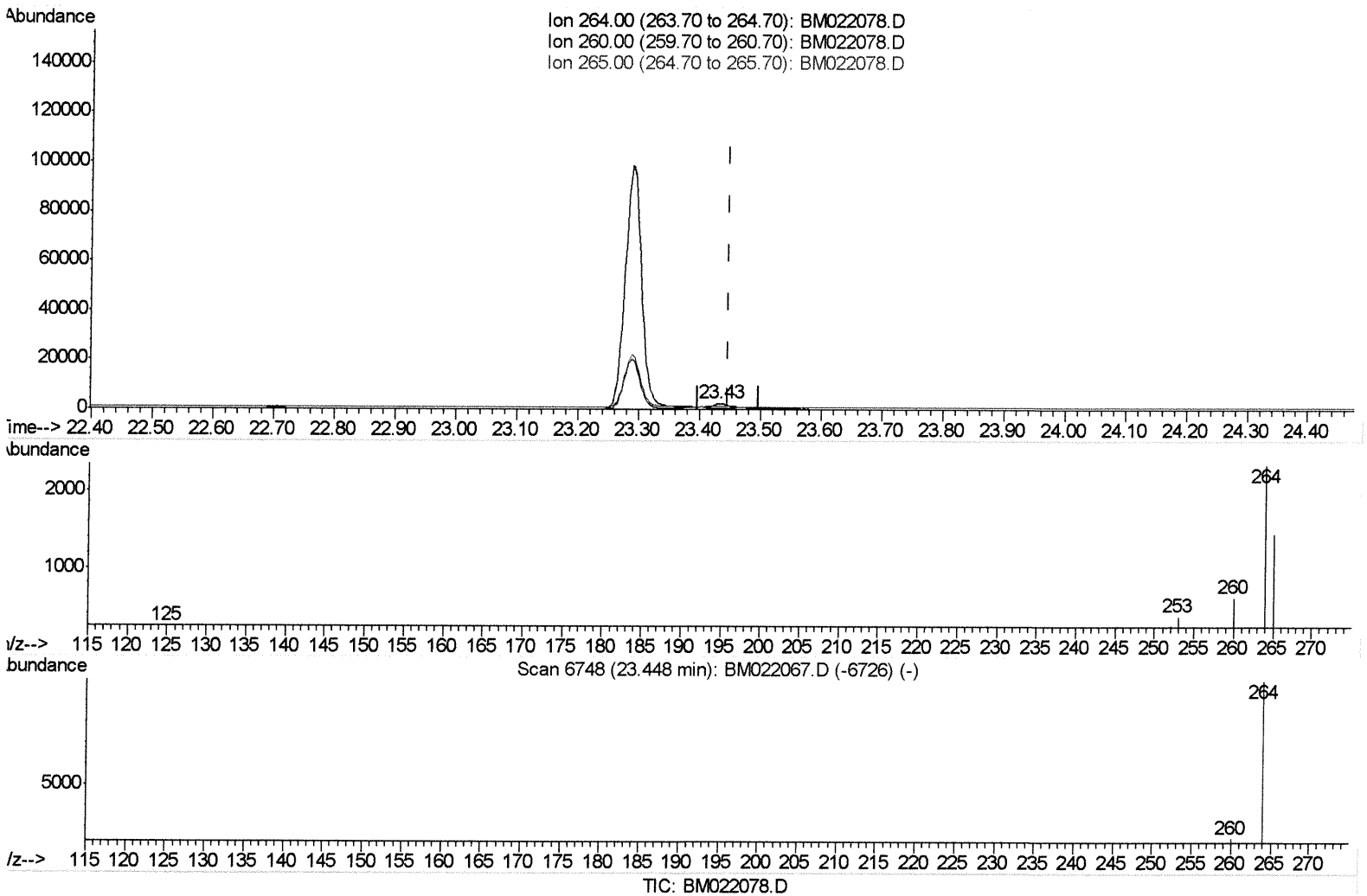
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:53:43 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)

23.433min (-0.015) 0.40ng/ul m

JU
08/14/19

response 3372

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.28
265.00	117.00	61.86#
0.00	0.00	0.00

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

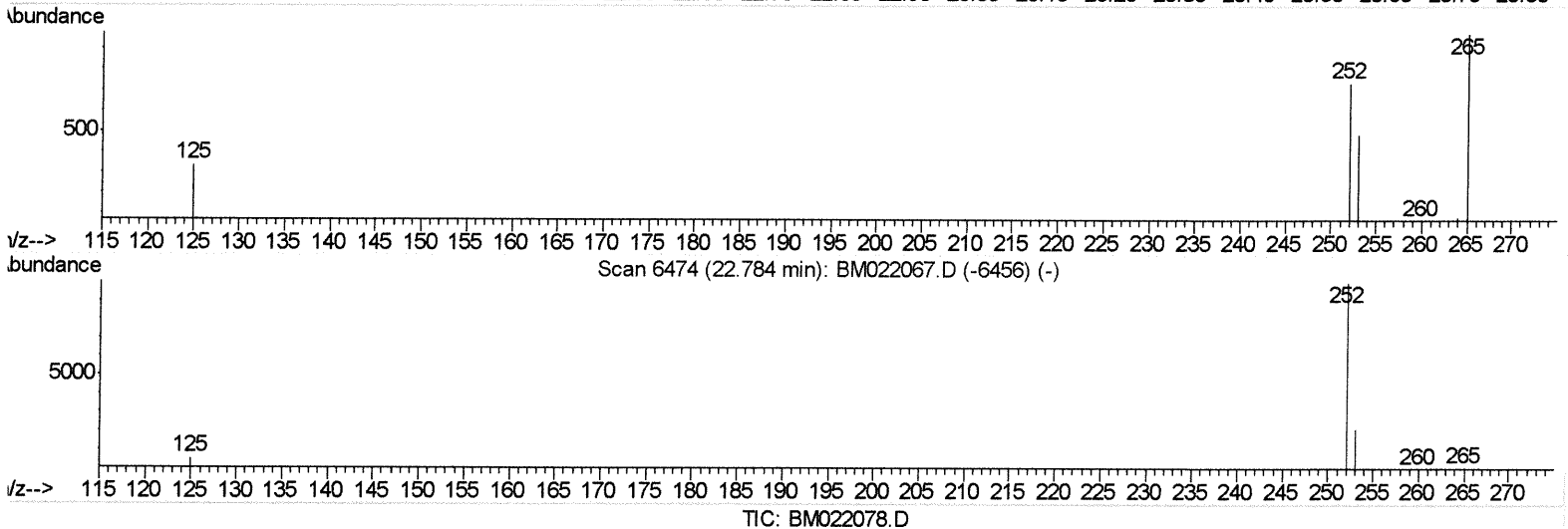
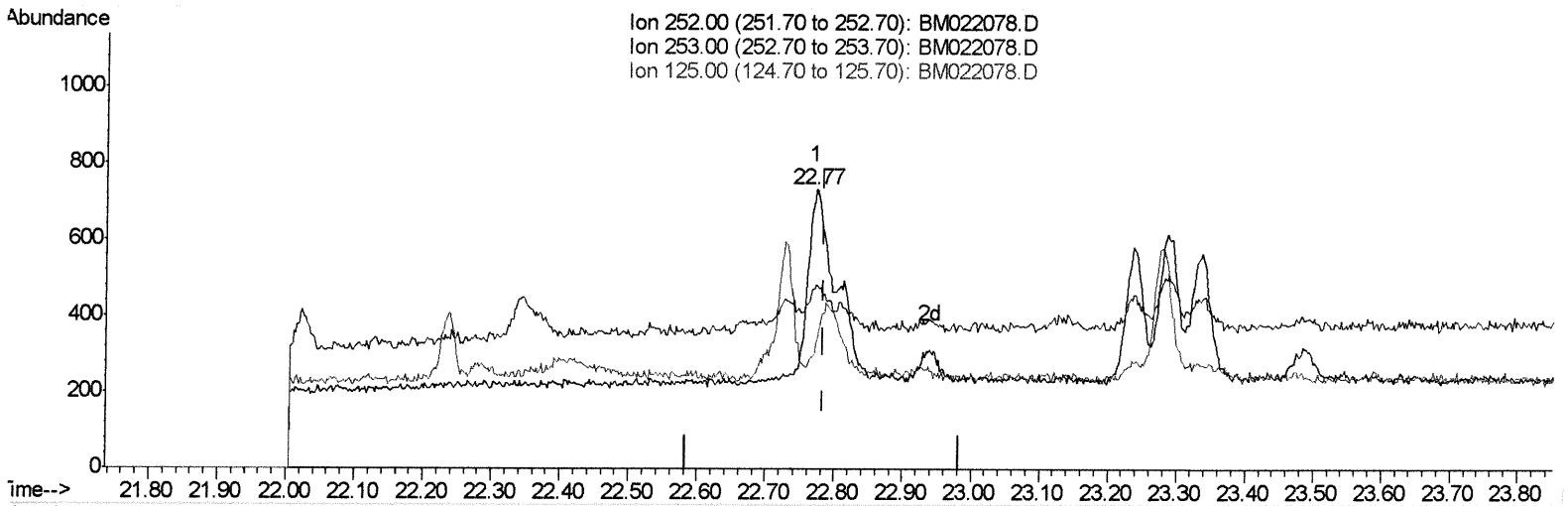
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:09 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

22.771min (-0.012) 0.12ng/ul

response 1387

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	65.94
125.00	15.50	45.23#
0.00	0.00	0.00

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

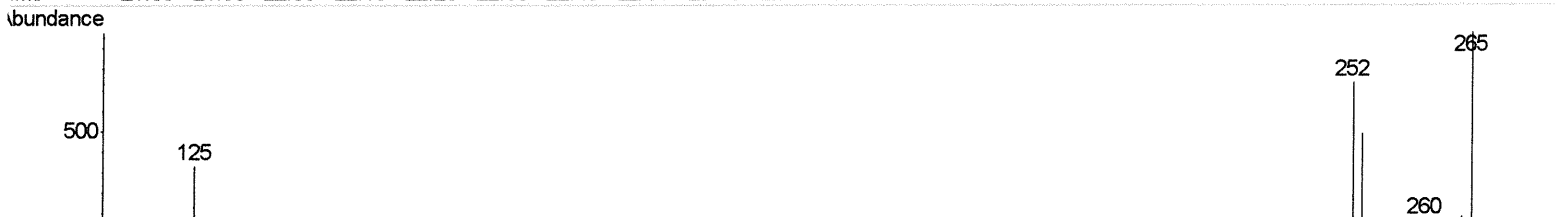
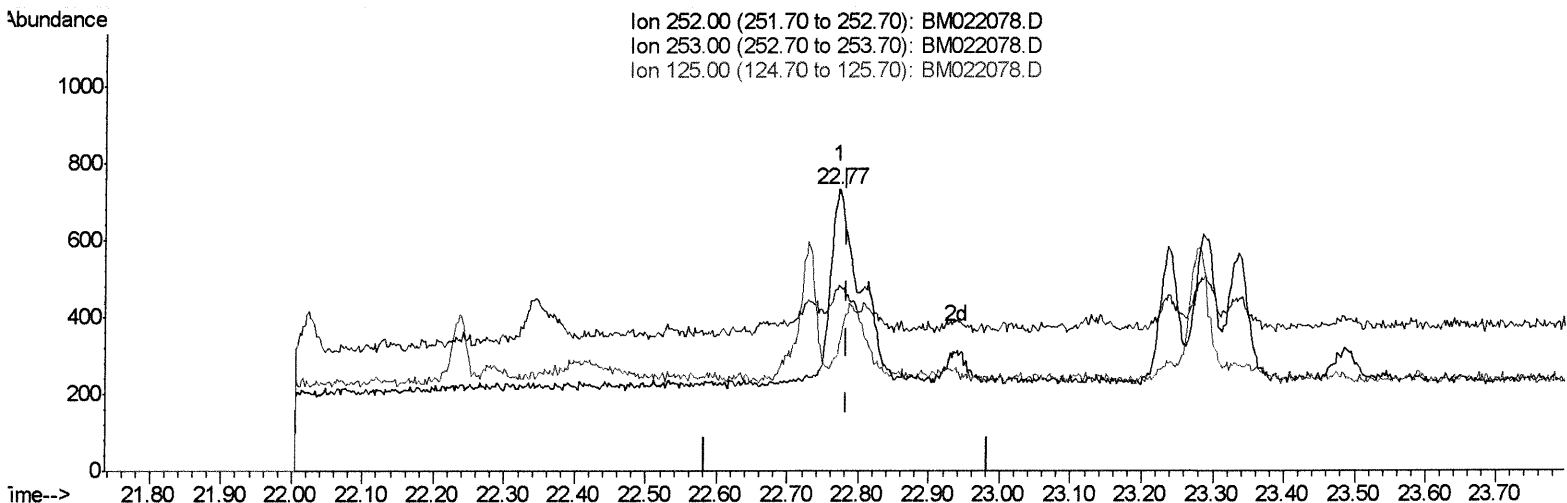
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C0AE9

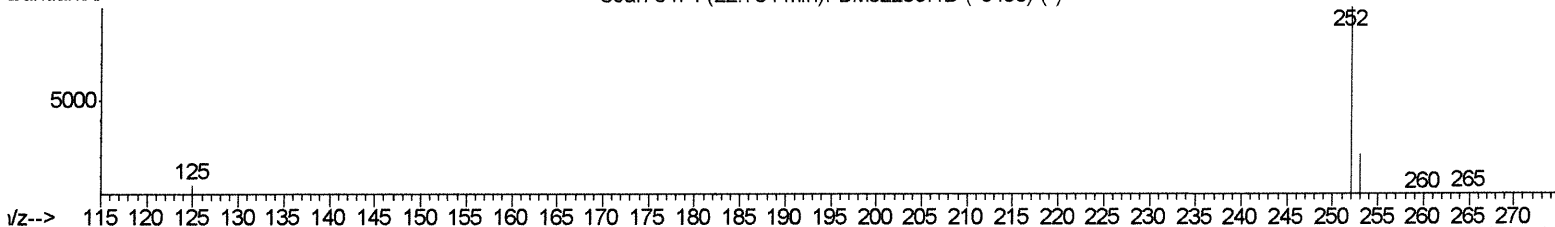
Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:09 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



Scan 6474 (22.784 min): BM022067.D (-6456) (-)



TIC: BM022078.D

(21) Benzo(b)fluoranthene

22.771min (-0.012) 0.08ng/ul m

JU
08/14/19

response 954

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	65.94
125.00	15.50	45.23#
0.00	0.00	0.00

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

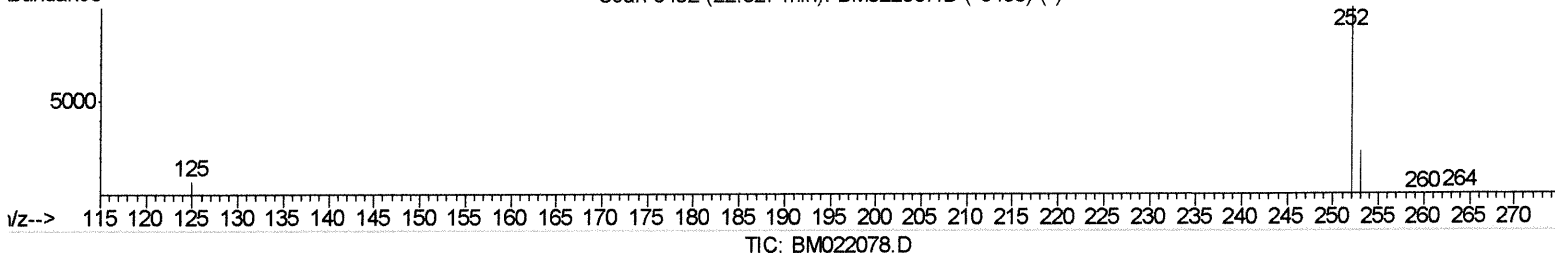
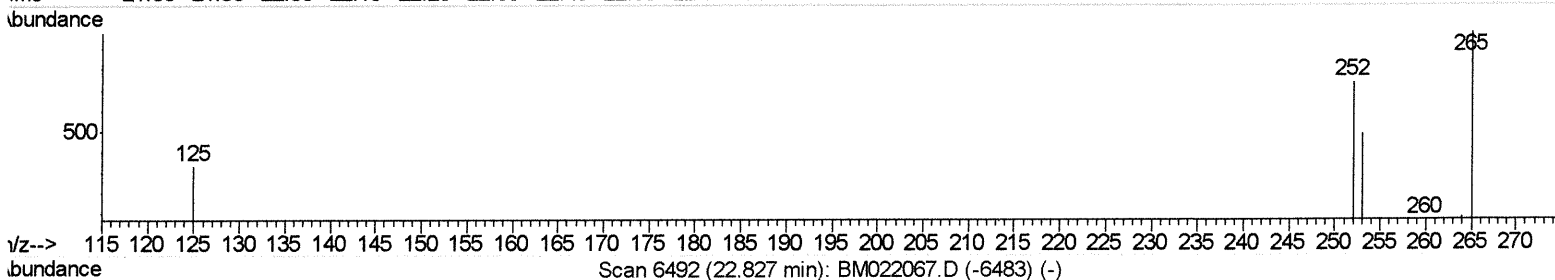
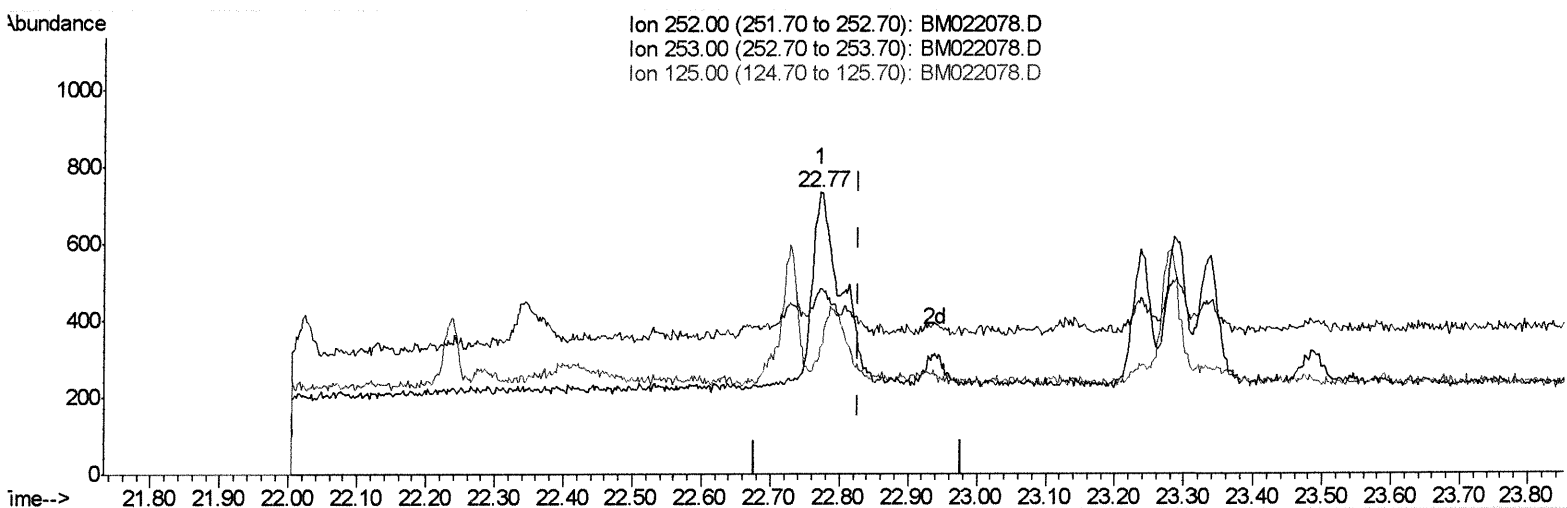
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:09 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

22.771min (-0.056) 0.11ng/ul

response 1390

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	65.94#
125.00	15.20	45.23#
0.00	0.00	0.00

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

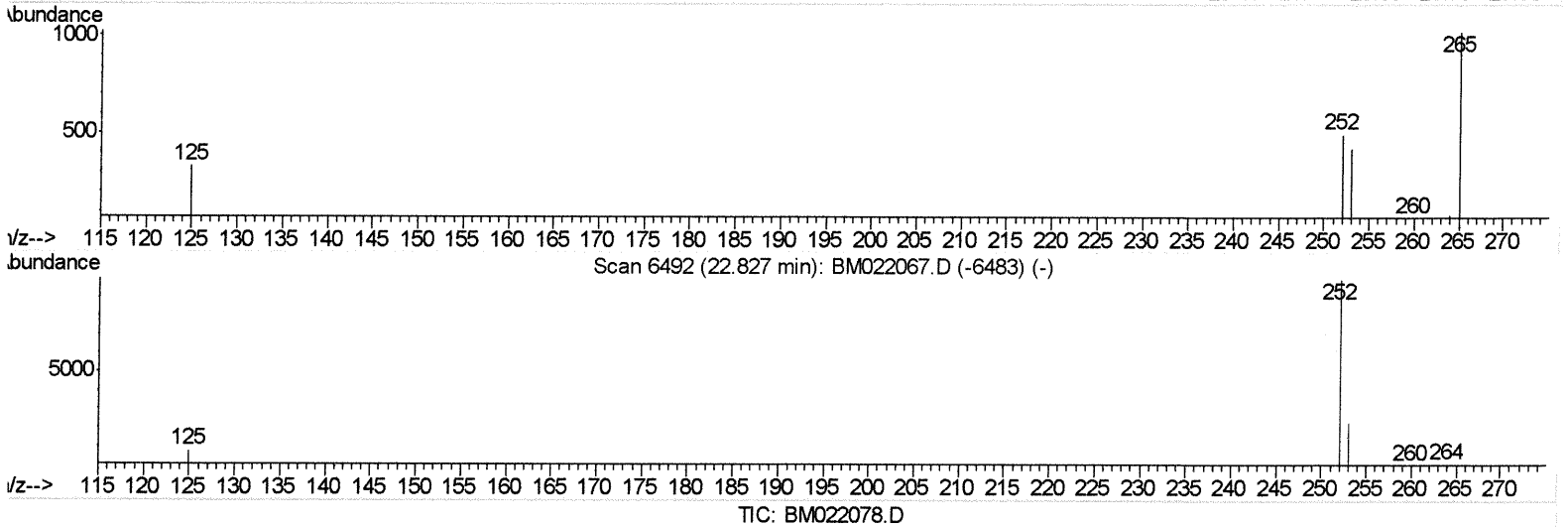
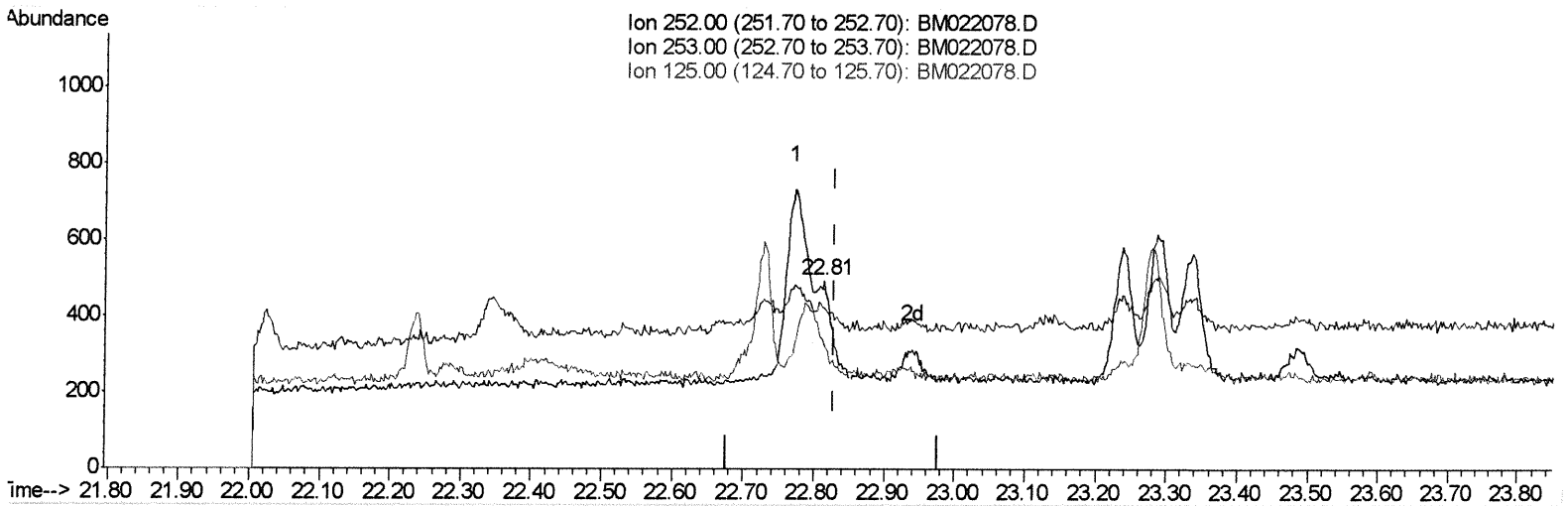
Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:09 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

22.813min (-0.015) 0.03ng/ul m

JU
08/14/19

response 422

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	85.83#
125.00	15.20	66.60#
0.00	0.00	0.00

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

Data File : BM022078.D
Acq On : 13 Aug 2019 20:02
Operator : HP/JU
Sample : K4183-11
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE9

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:42 PM

Quant Time: Aug 14 07:54:51 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	645	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	2679	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1481	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3452m→	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	3250m>	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	3372m>	0.40	ng/ul	-0.01

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	807	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	2321m→	0.20	ng/ul	-0.02

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Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) Phenanthrene	17.06	178	509m	0.051	ng/ul	
15) Fluoranthene	19.08	202	960m	0.071	ng/ul	
17) Pyrene	19.45	202	976	0.073	ng/ul#	69
18) Benzo(a)anthracene	21.21	228	698	0.060	ng/ul#	74
19) Chrysene	21.27	228	565	0.038	ng/ul#	75
21) Benzo(b)fluoranthene	22.77	252	954m→	0.084	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	422m→	0.033	ng/ul	
23) Benzo(a)pyrene	23.34	252	621	0.054	ng/ul#	35
24) Indeno(1,2,3-cd)pyrene	25.65	276	498	0.036	ng/ul#	92
26) Benzo(g,h,i)perylene	26.34	276	553	0.044	ng/ul#	41

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