

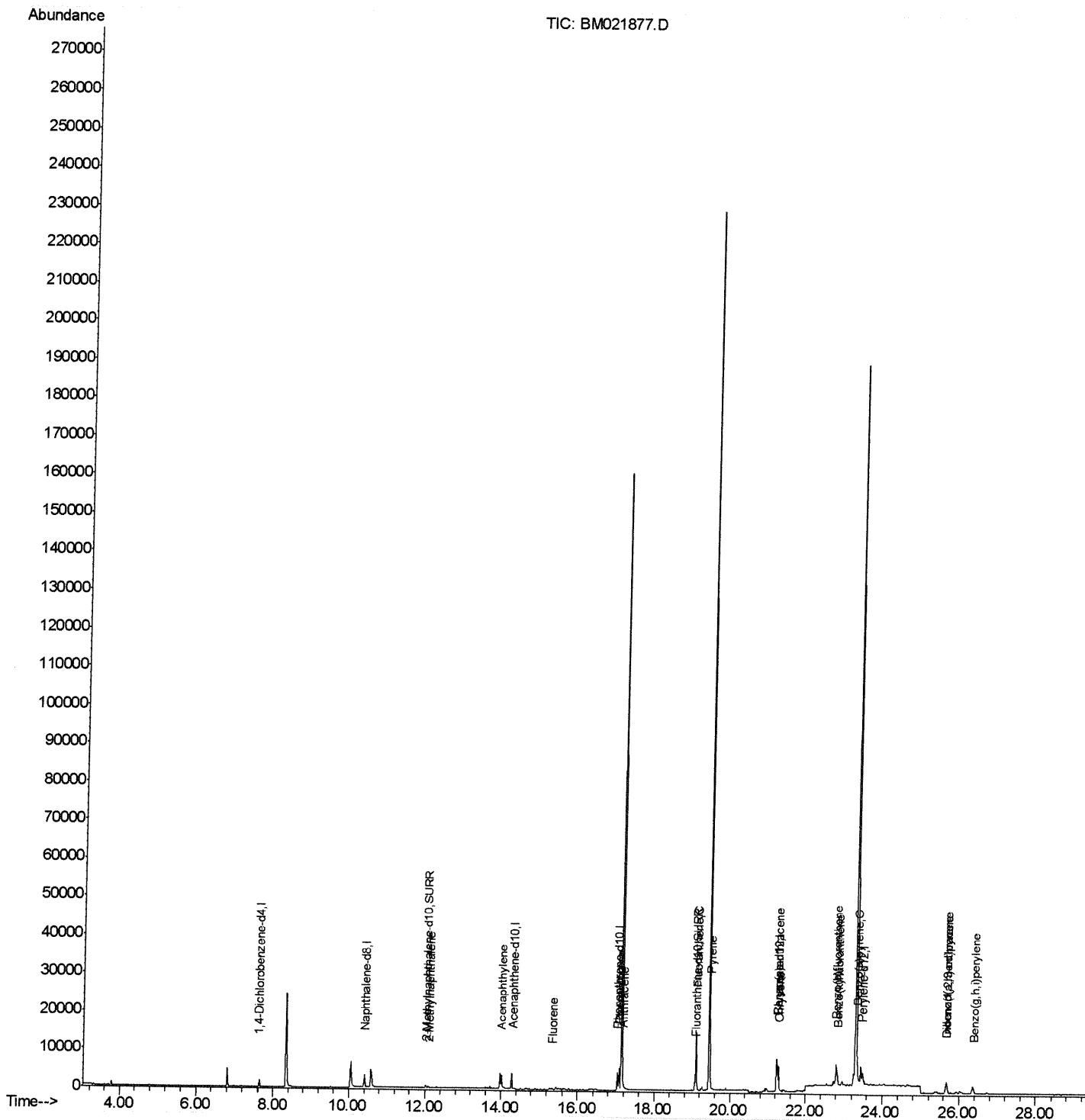
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (QT Reviewed)
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:44:08 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 07 04:02:33 2019
Response via : Initial Calibration



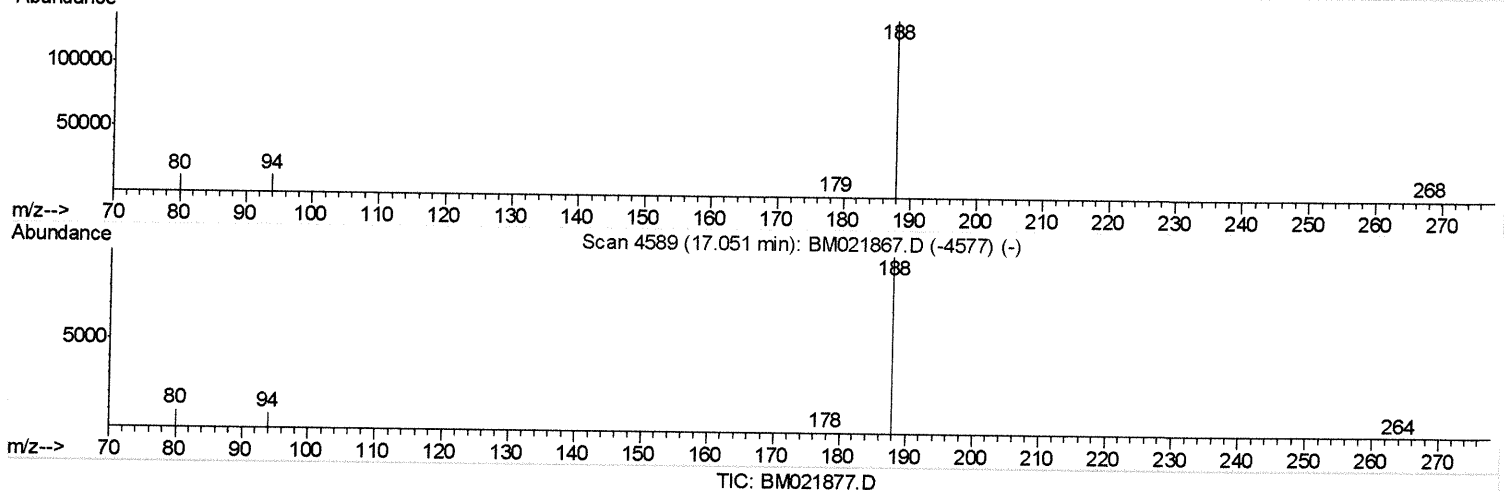
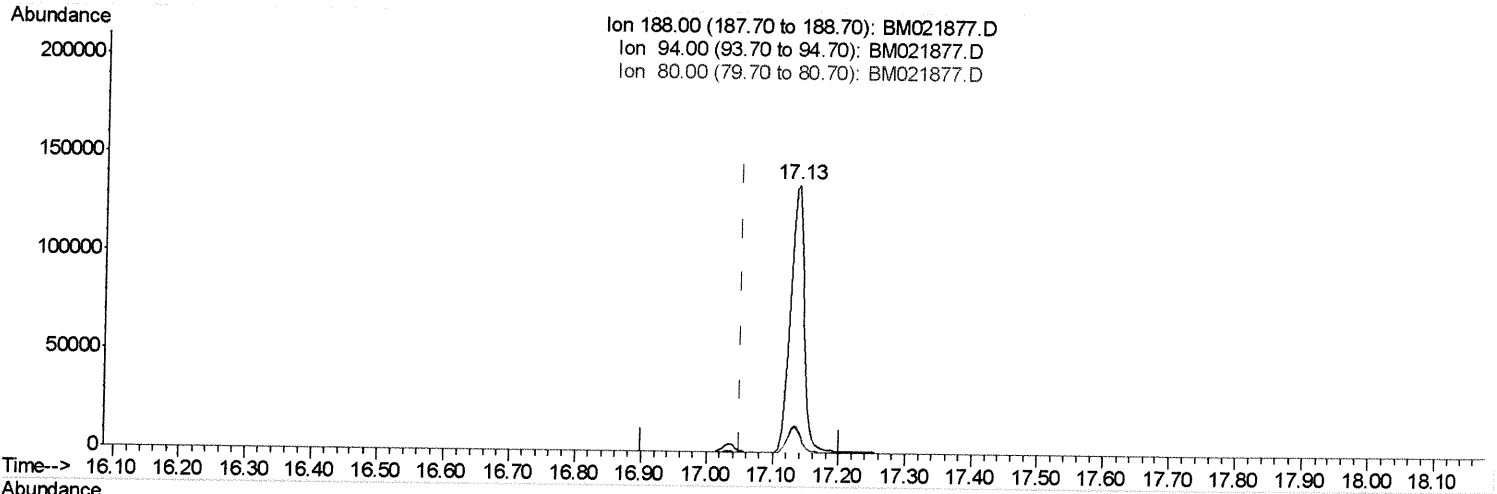
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Quantitation Report (Qedit)
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 04:06:43 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 07 04:02:33 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)
 17.135min (+0.084) 0.40ng/ul
 response 192900

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.37
80.00	11.40	8.87#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

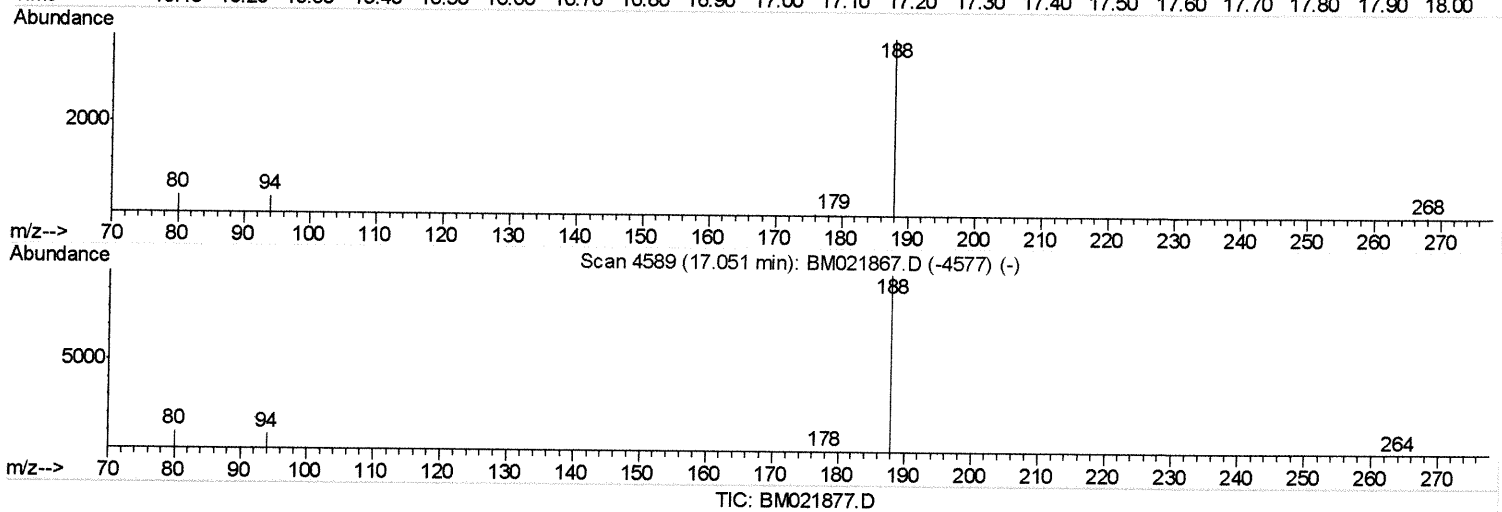
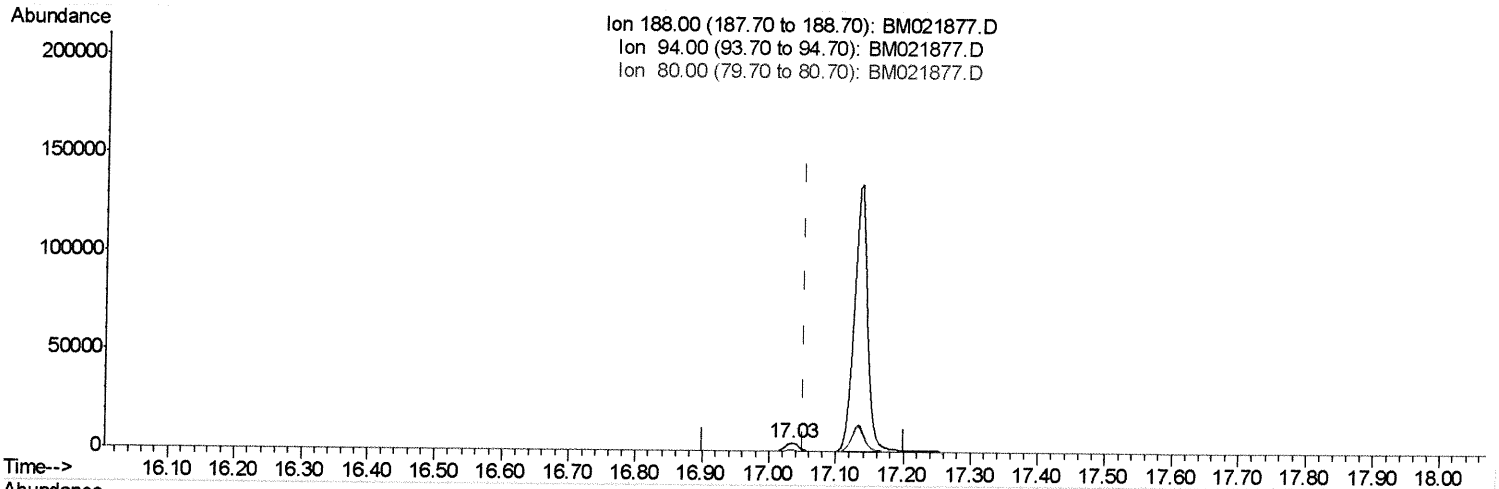
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 04:06:43 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 07 04:02:33 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.034min (-0.017) 0.40ng/ul m

JU
08/07/19

response 5390

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.35
80.00	11.40	11.02
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

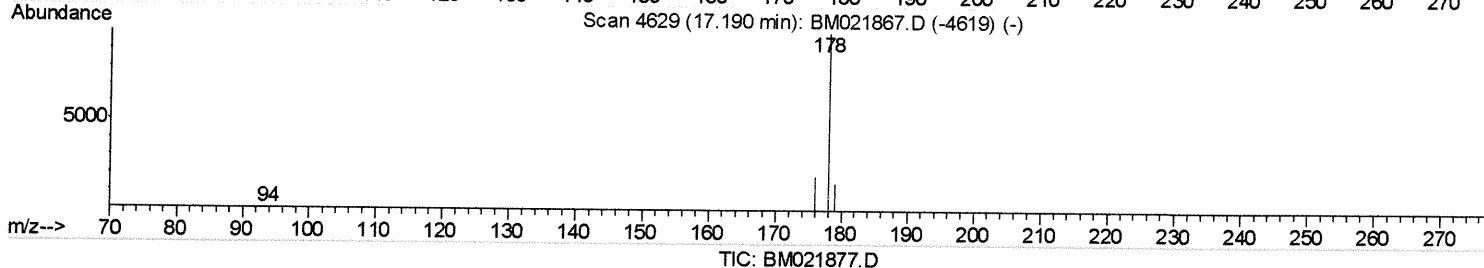
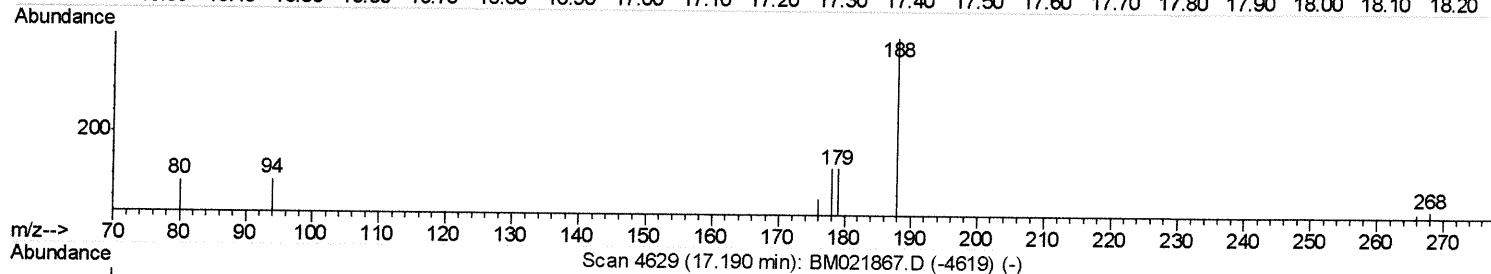
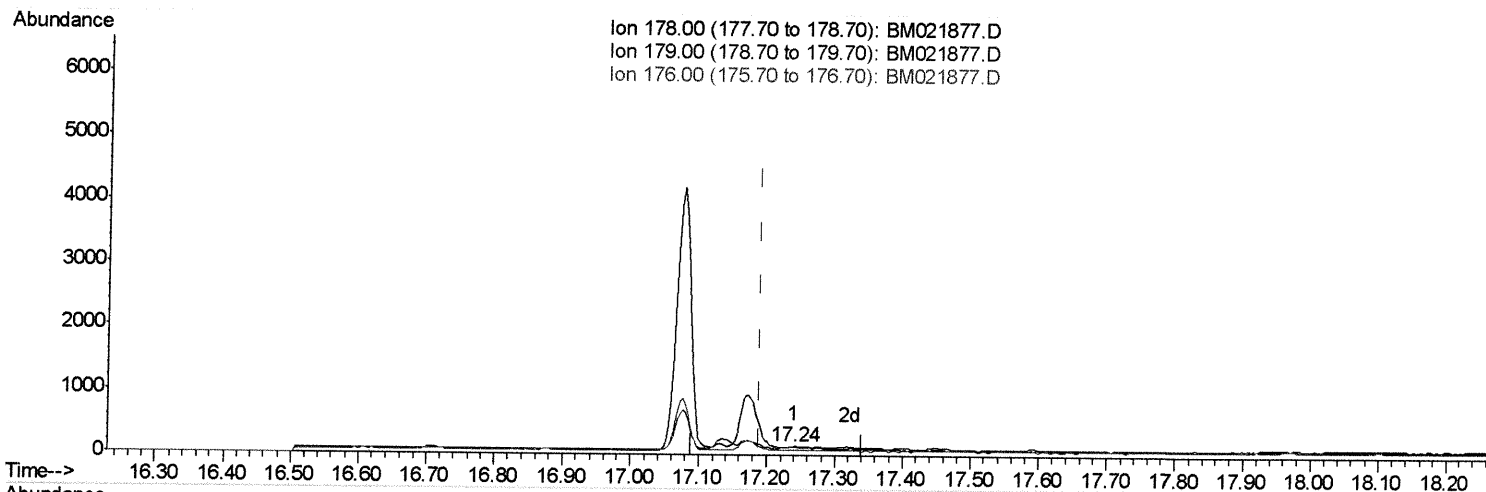
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(13) Anthracene

17.239min (+0.049) 0.00ng/ul

response 40

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	100.00#
176.00	20.80	57.35#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

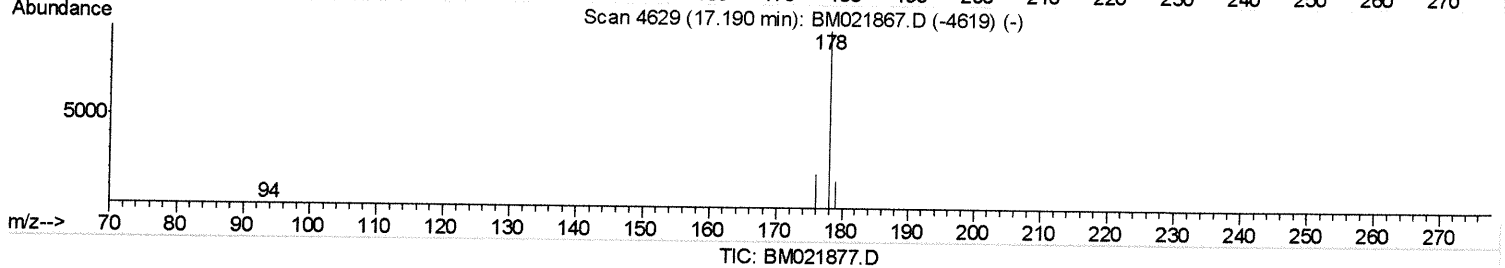
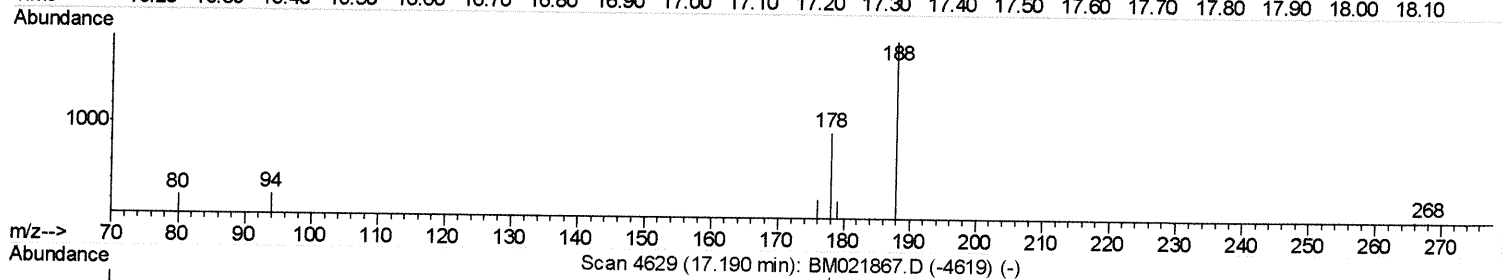
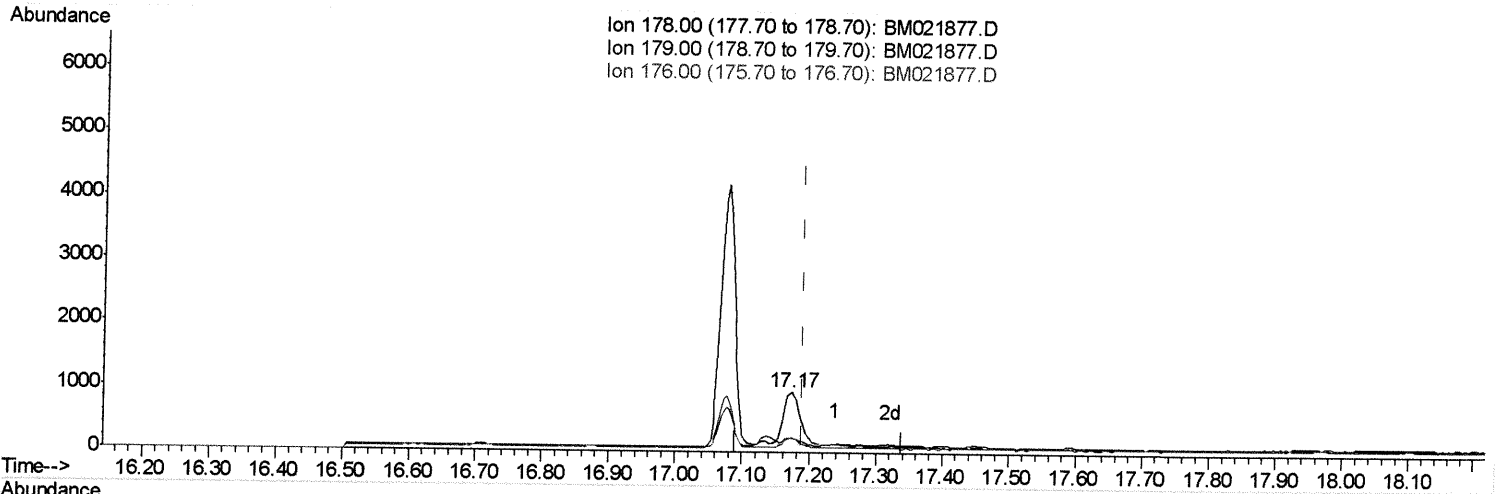
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(13) Anthracene

17.173min (-0.017) 0.11ng/ul m ^{JU} 08/07/19

response 1519

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	24.18#
176.00	20.80	25.87#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

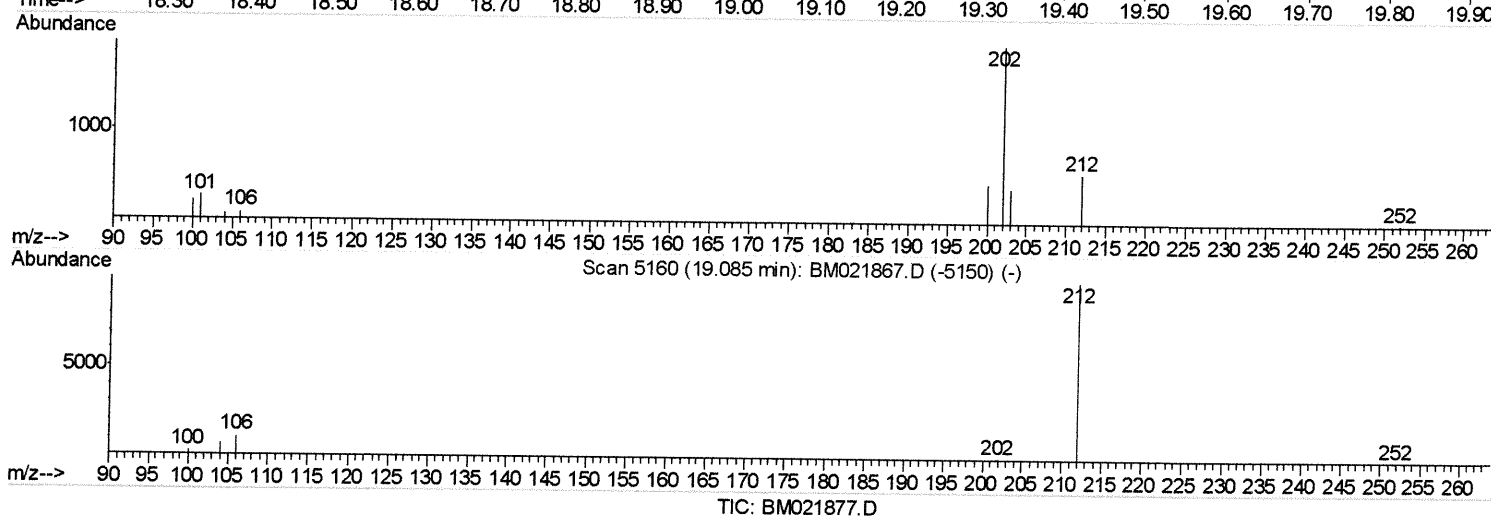
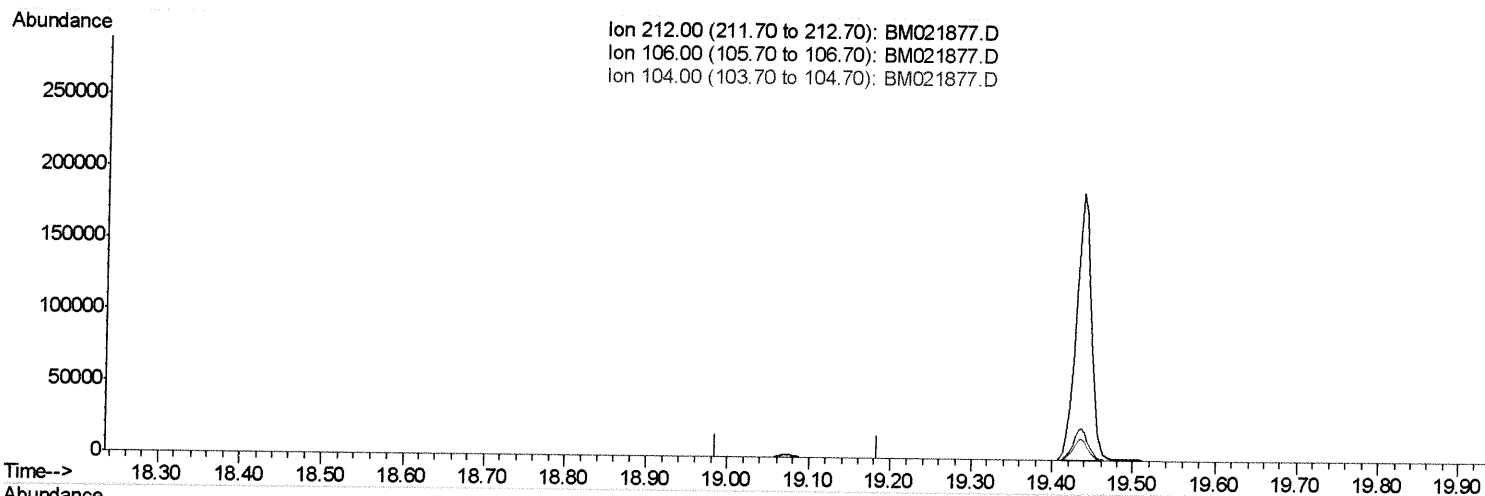
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.085min (-19.085) 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\BM080619\
Quantitation Report (Qedit)

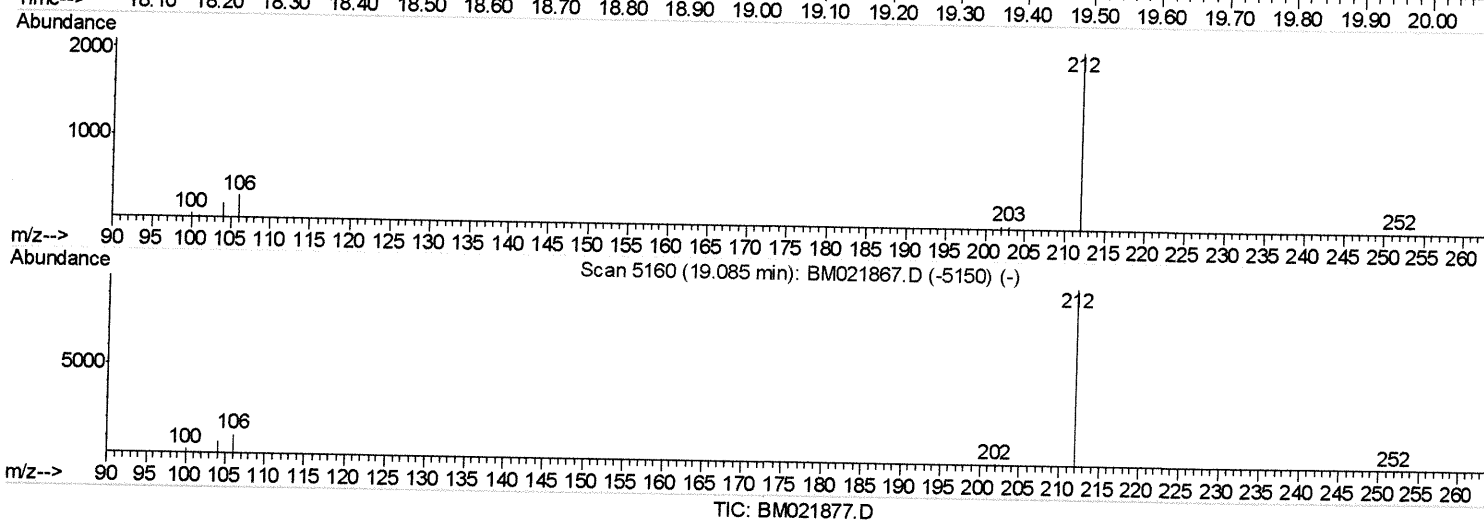
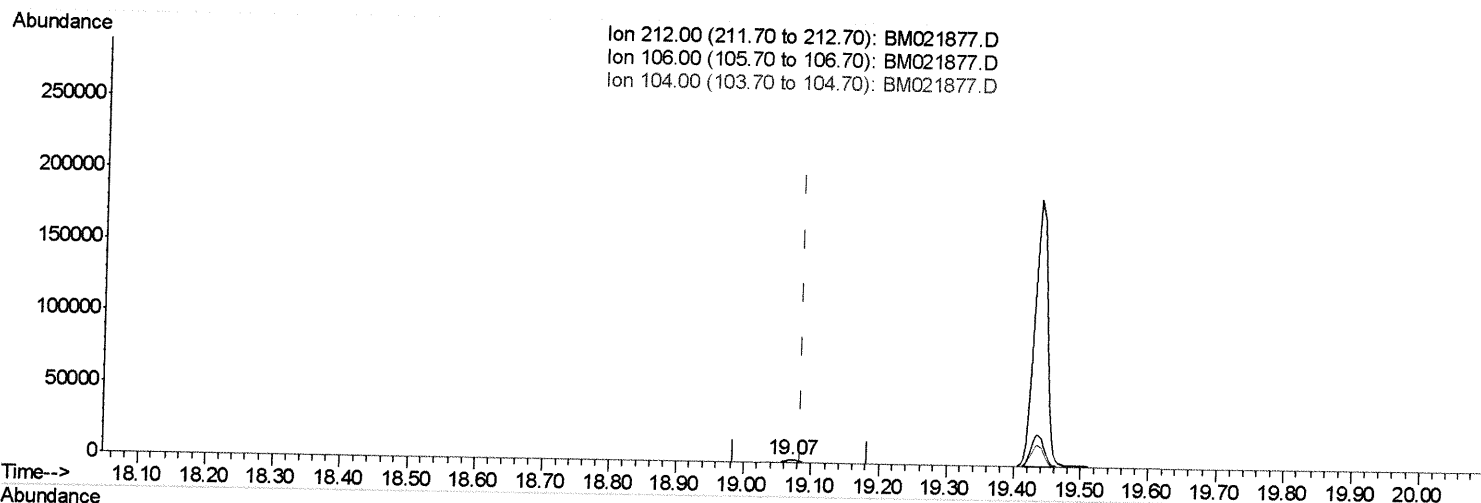
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.070min (-0.015) 0.15ng/ul m

JU
08/07/19

response 2814

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\BM080619\
Quantitation Report (Qedit)

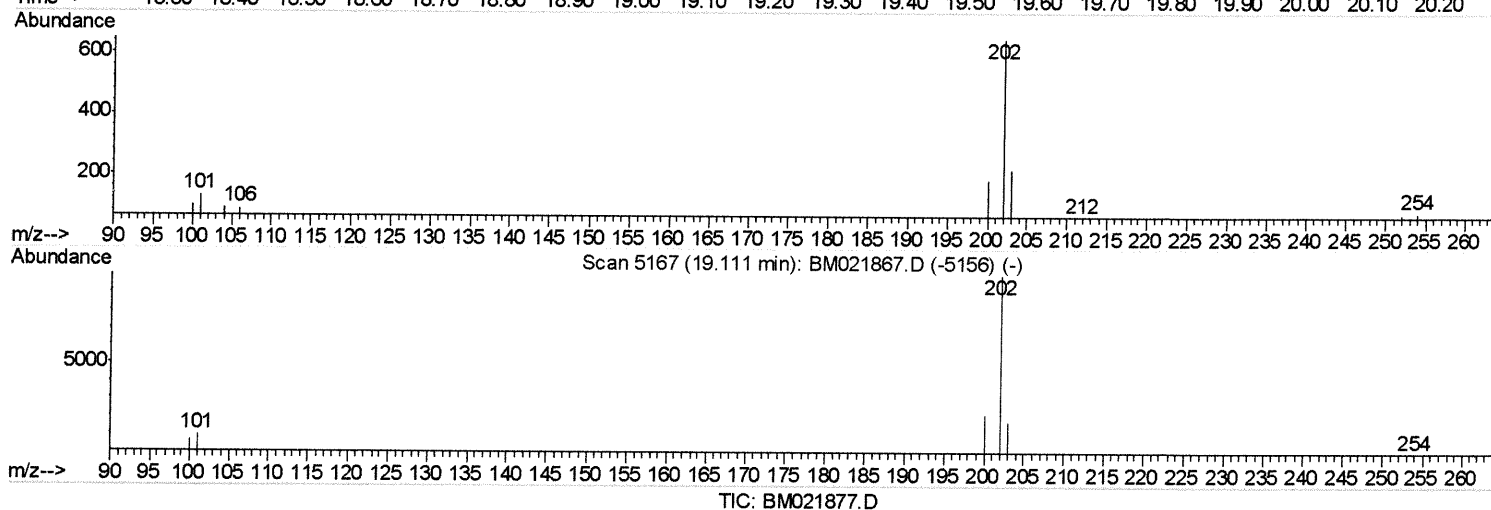
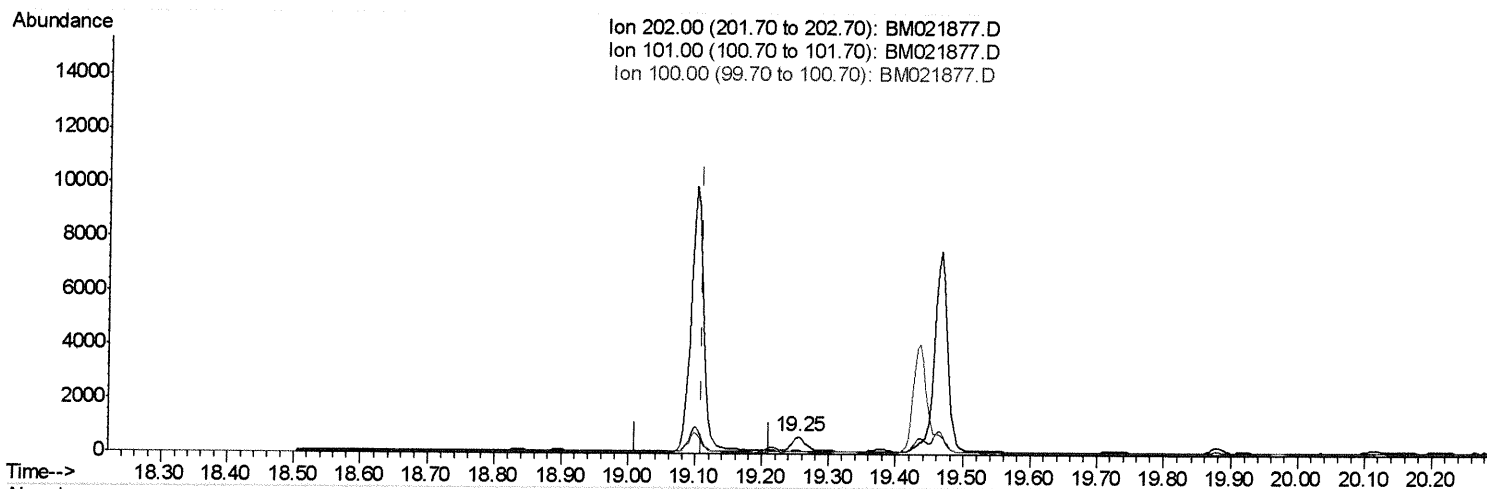
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.253min (+0.141) 0.03ng/ul

response 735

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	20.22
100.00	8.10	14.81
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

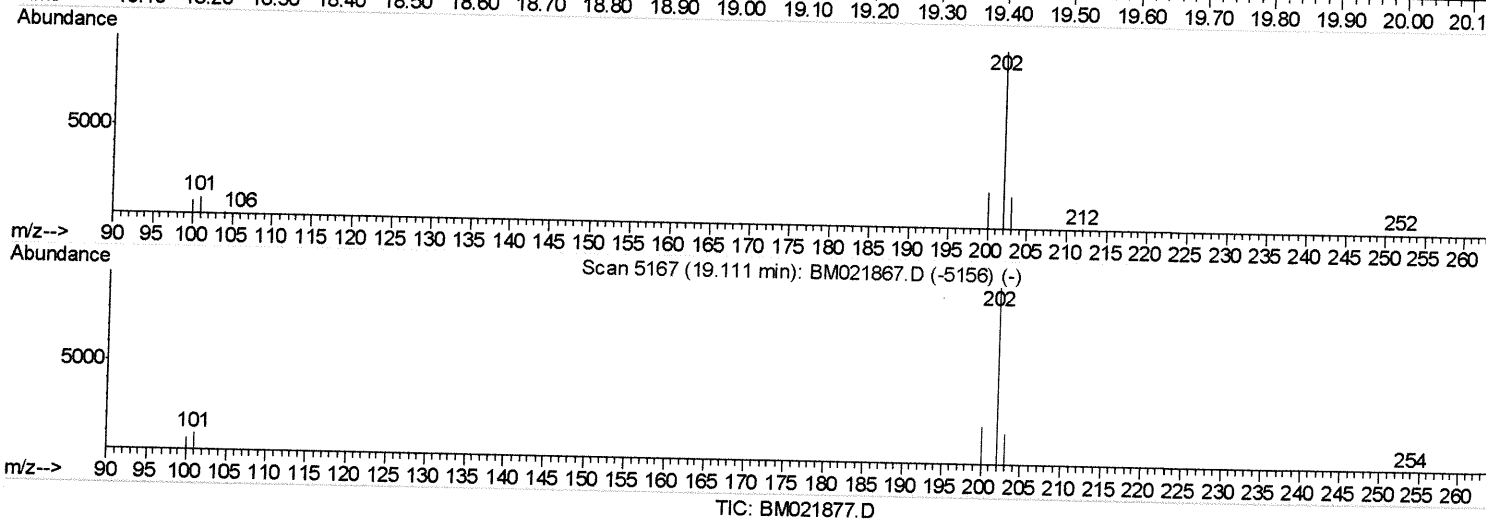
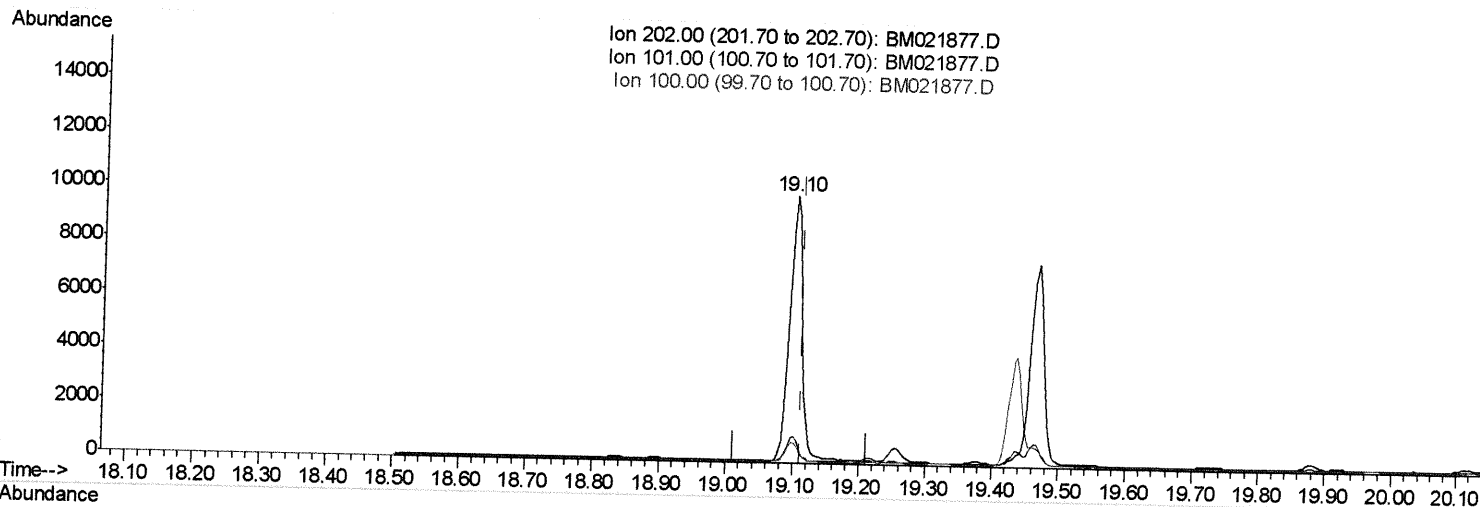
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.100min (-0.011) 0.63ng/ul m *JU* 08/07/19

response 13204

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	9.79
100.00	8.10	7.57
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

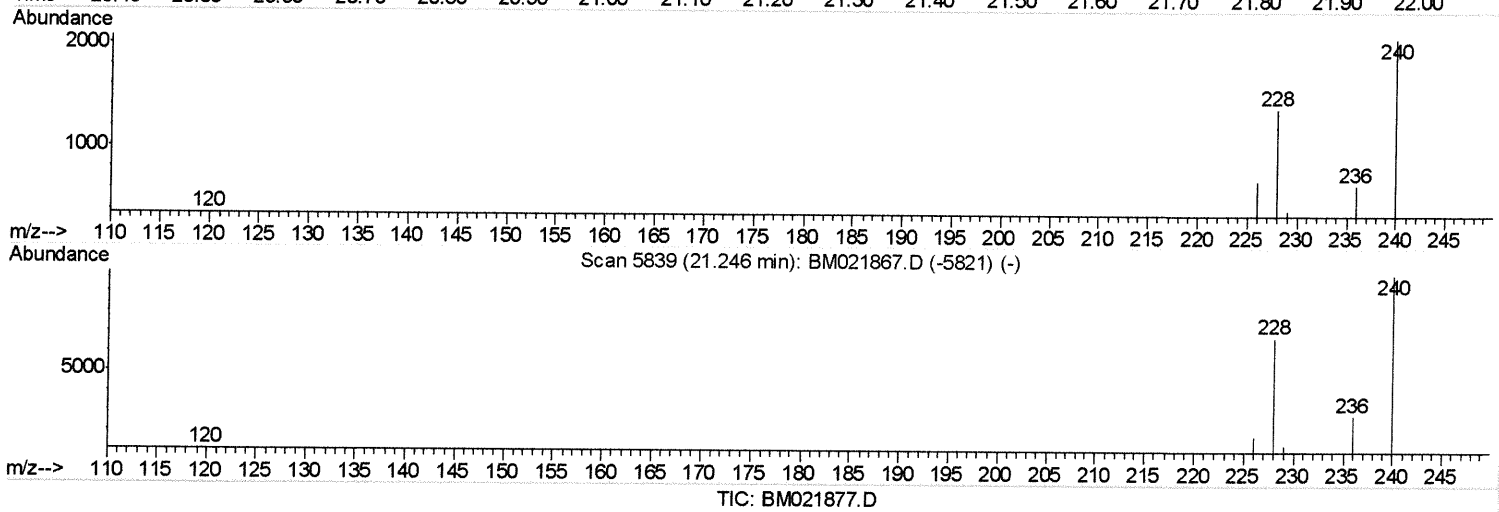
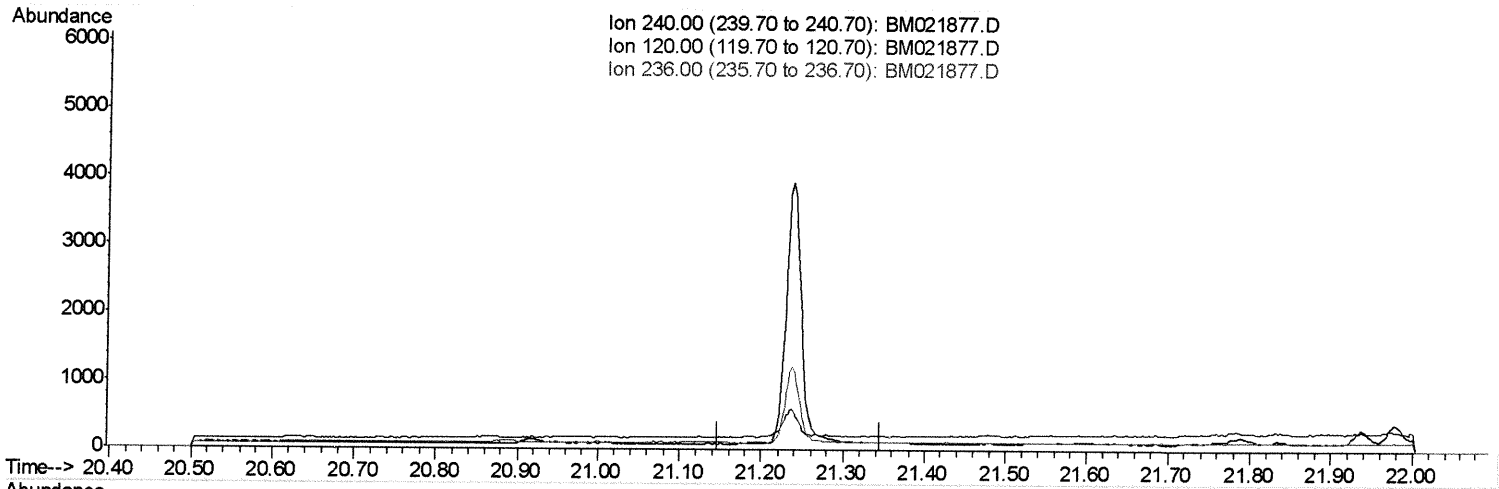
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:40:22 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 07 04:02:33 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.246min (-21.246) 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\BM080619\
Quantitation Report (Qedit)

Data File : BM021877.D

Acq On : 07 Aug 2019 02:35

Operator : HP/JU

Sample : K3893-16

Misc :

ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

BEP20

Manual Integrations

APPROVED

mohammad

8/7/2019 12:13:11 PM

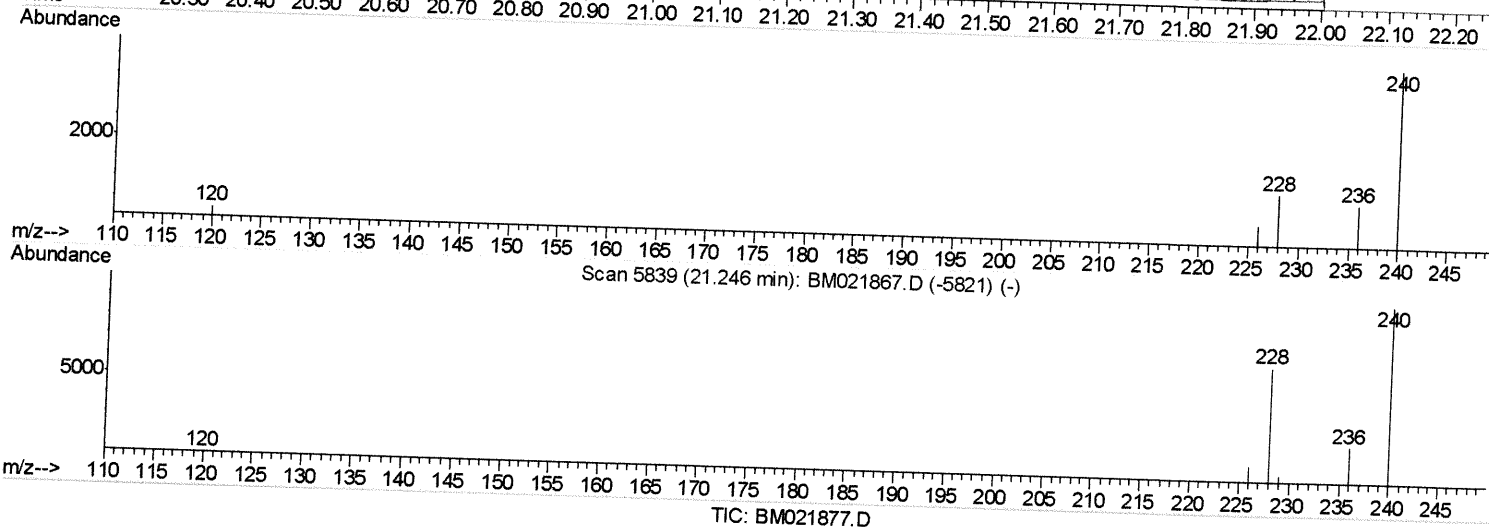
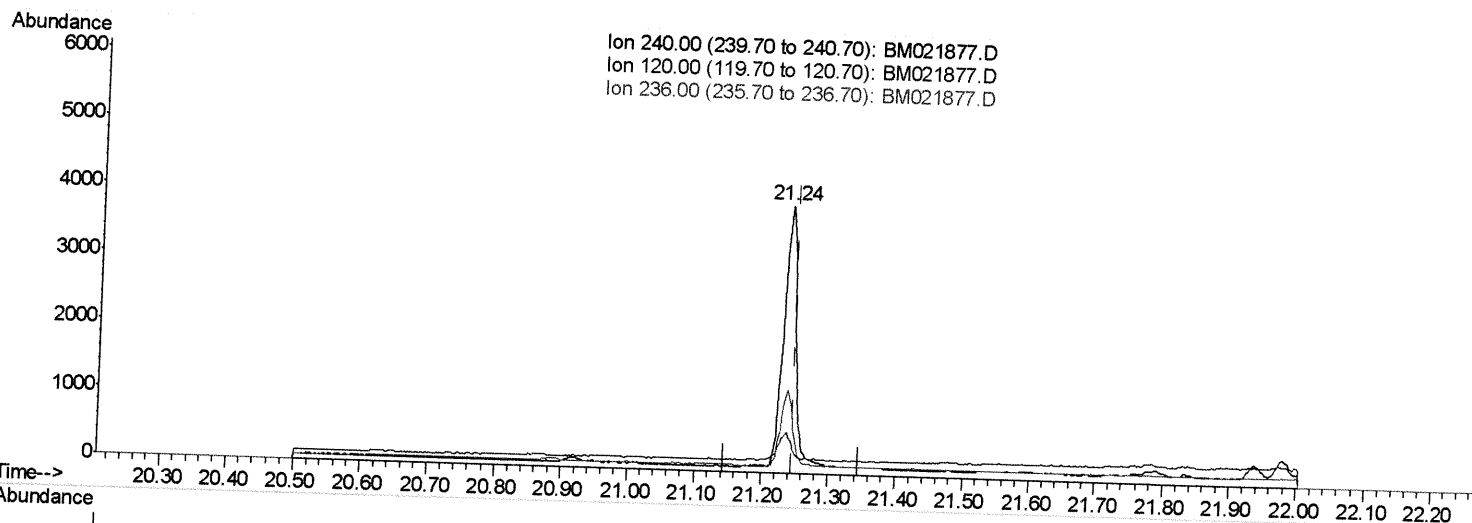
Quant Time: Aug 07 05:40:22 2019

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 07 04:02:33 2019

Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.237min (-0.009) 0.40ng/ul m

response 5113

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.25
236.00	32.30	31.59
0.00	0.00	0.00

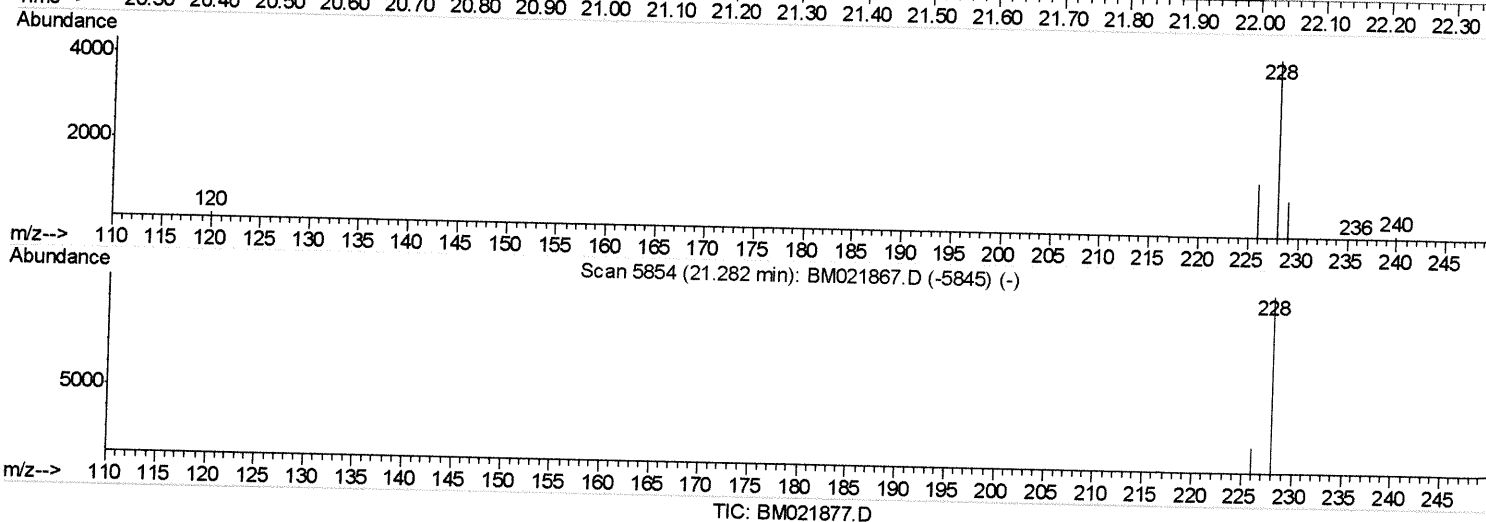
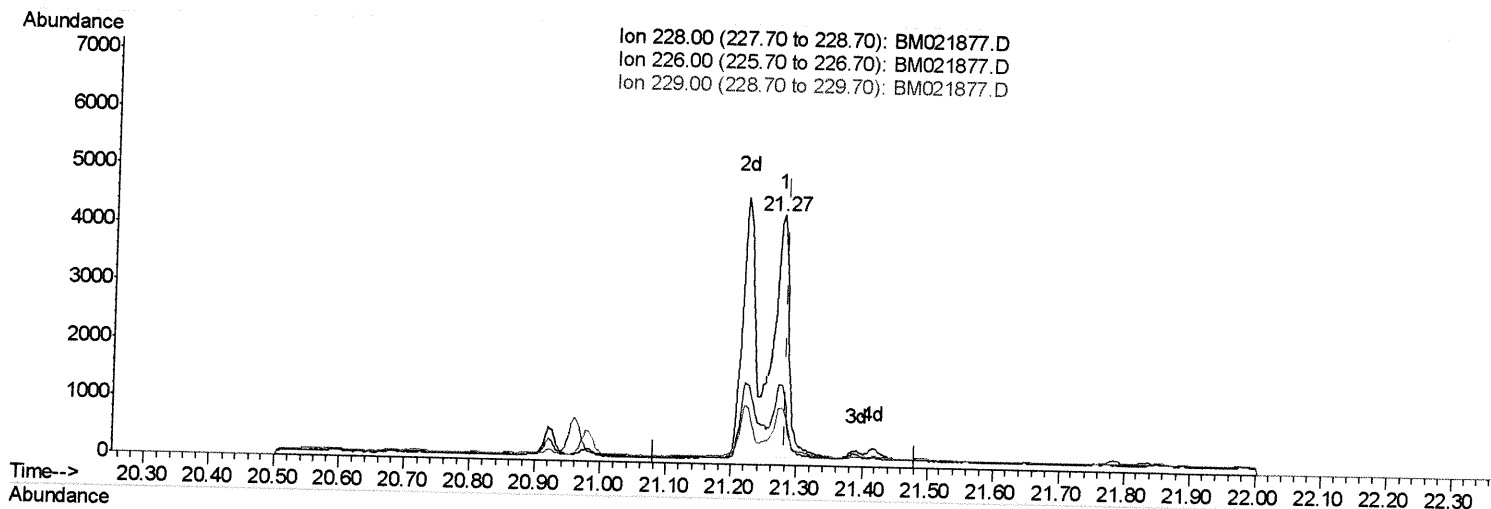
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Quantitation Report (Qedit)
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:42:05 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 07 04:02:33 2019
 Response via : Initial Calibration



(19) Chrysene

21.273min (-0.009) 0.27ng/ul

response 6259

Ion	Exp%	Act%
228.00	100	100
226.00	31.10	32.36
229.00	20.80	22.86
0.00	0.00	0.00

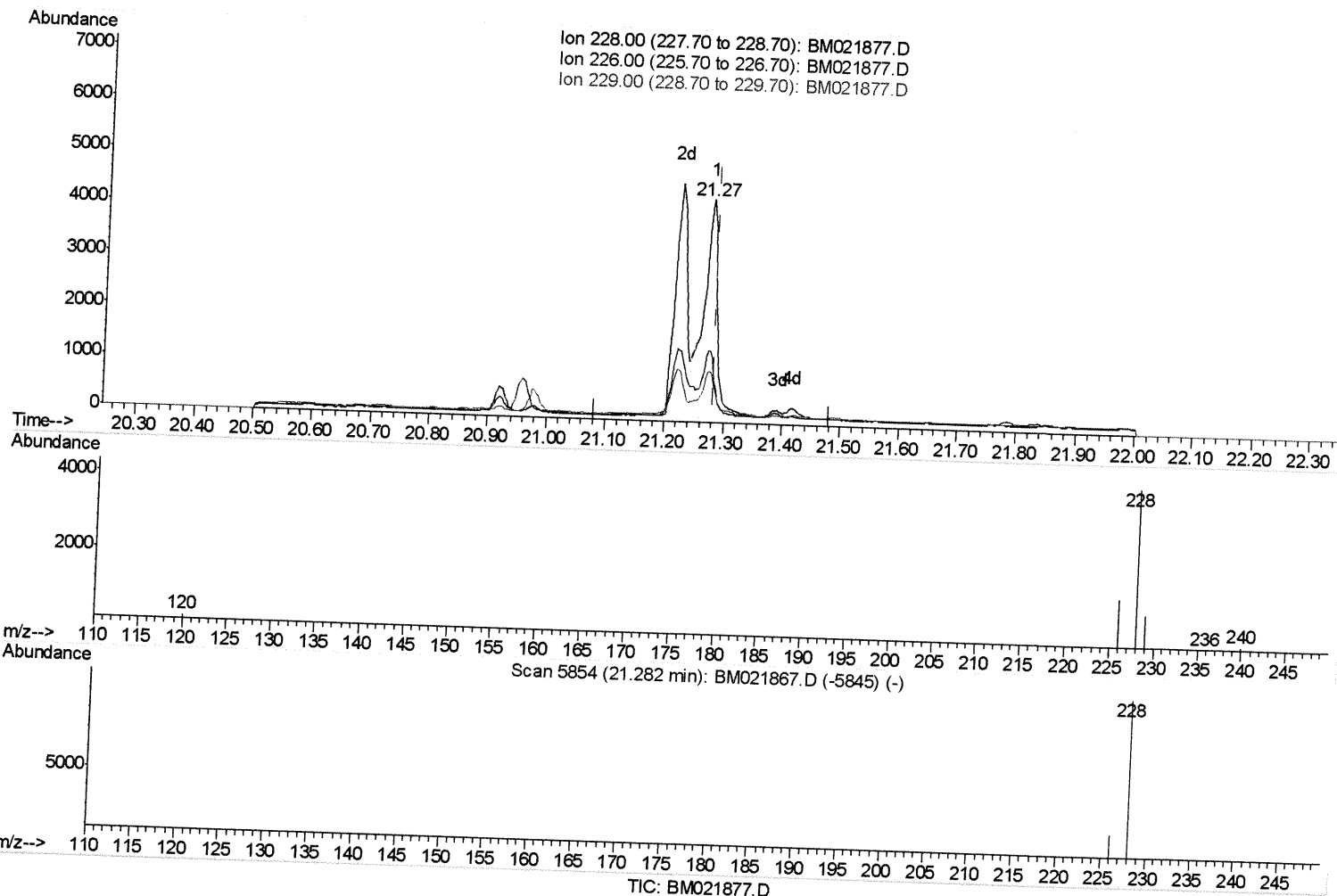
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Quantitation Report (Qedit)
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:42:05 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 07 04:02:33 2019
 Response via : Initial Calibration



(19) Chrysene

21.273min (-0.009) 0.31ng/ul m

JU
 08/07/19

response 7257

Ion	Exp%	Act%
228.00	100	100
226.00	31.10	32.36
229.00	20.80	22.86
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

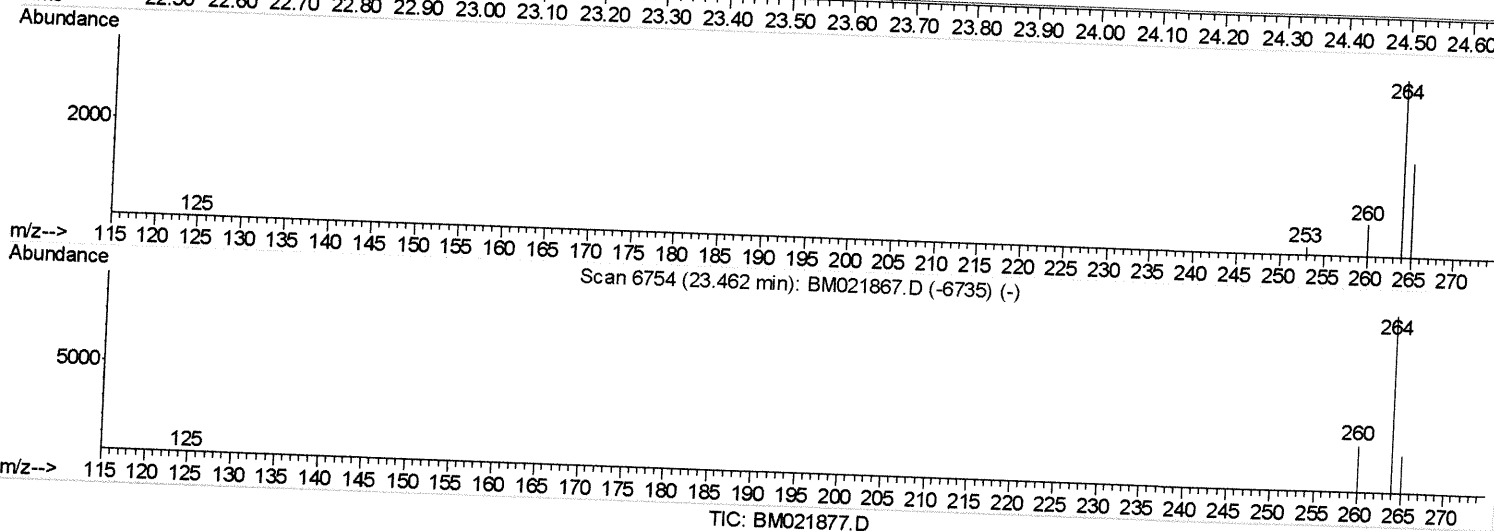
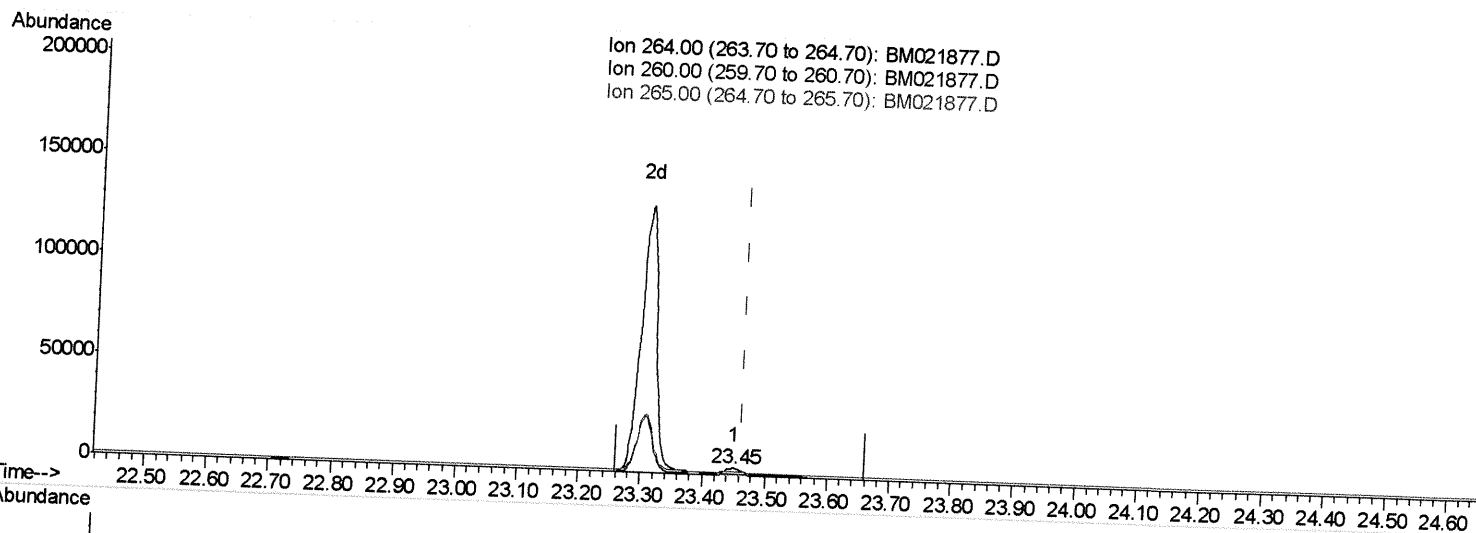
Quantitation Report (Qedit)

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:42:05 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 07 04:02:33 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.450min (-0.012) 0.40ng/ul

response 7707

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.60
265.00	117.00	57.39#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Quantitation Report (Qedit)

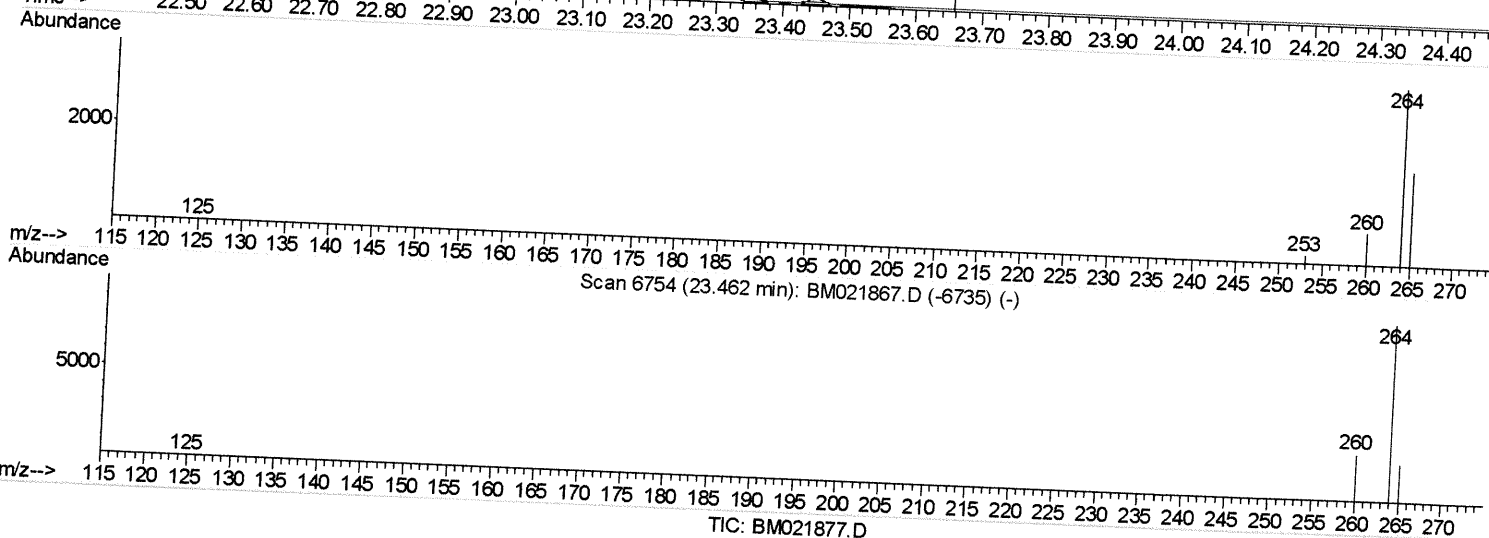
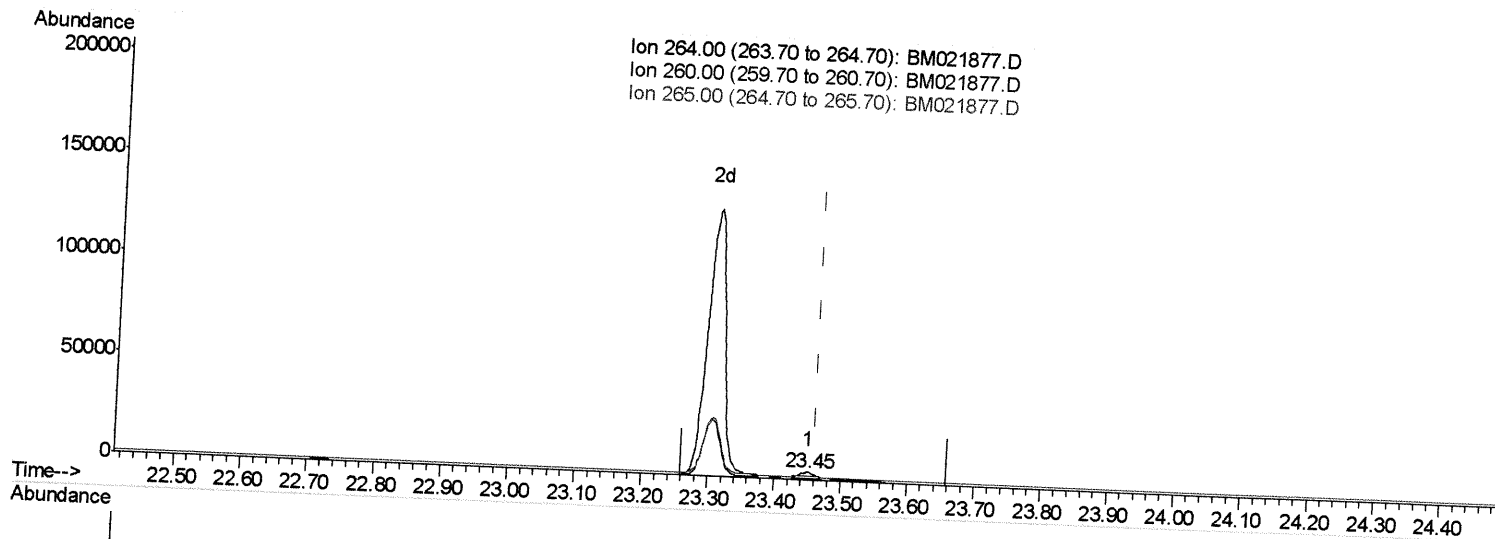
Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:42:05 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 07 04:02:33 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.450min (-0.012) 0.40ng/ul m *JU 08/07/19*

response 5322

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.60
265.00	117.00	57.39%
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

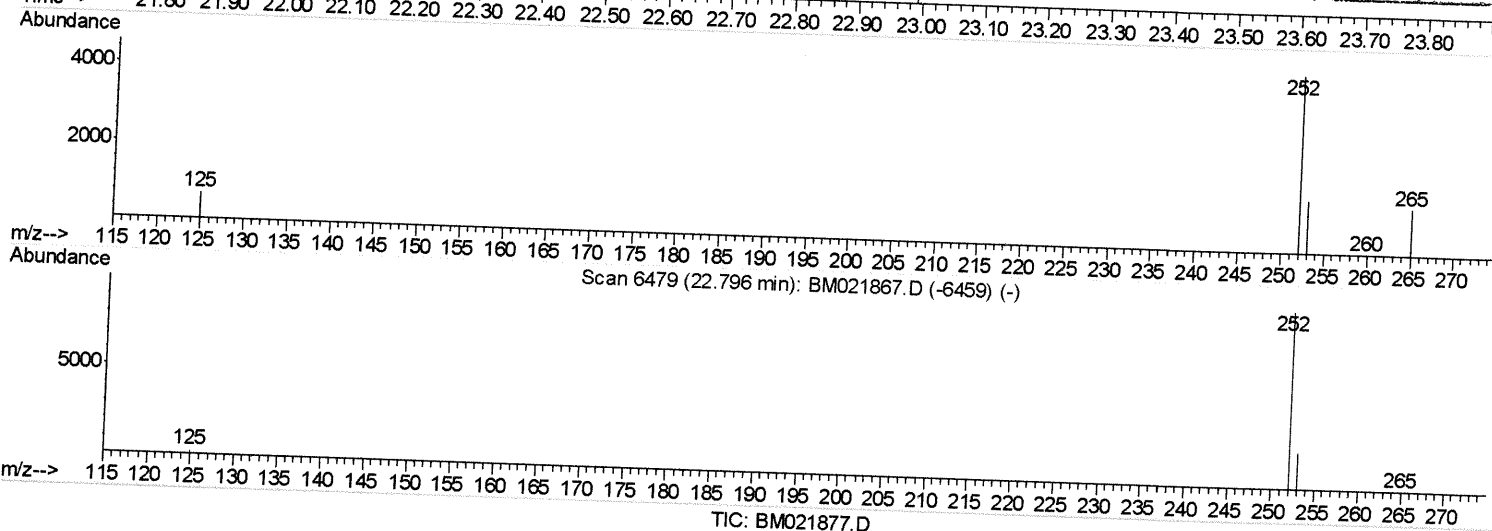
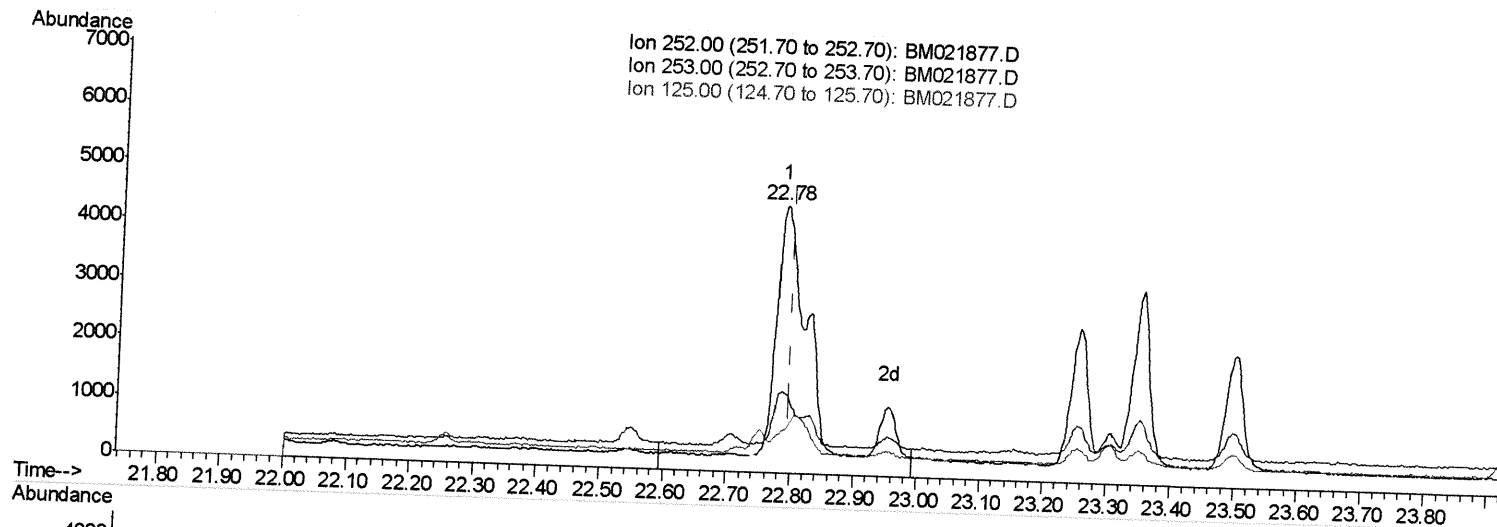
Quantitation Report (Qedit)

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:43:07 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 07 04:02:33 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.784min (-0.012) 0.74ng/ul

response 13341

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.70
125.00	15.50	15.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

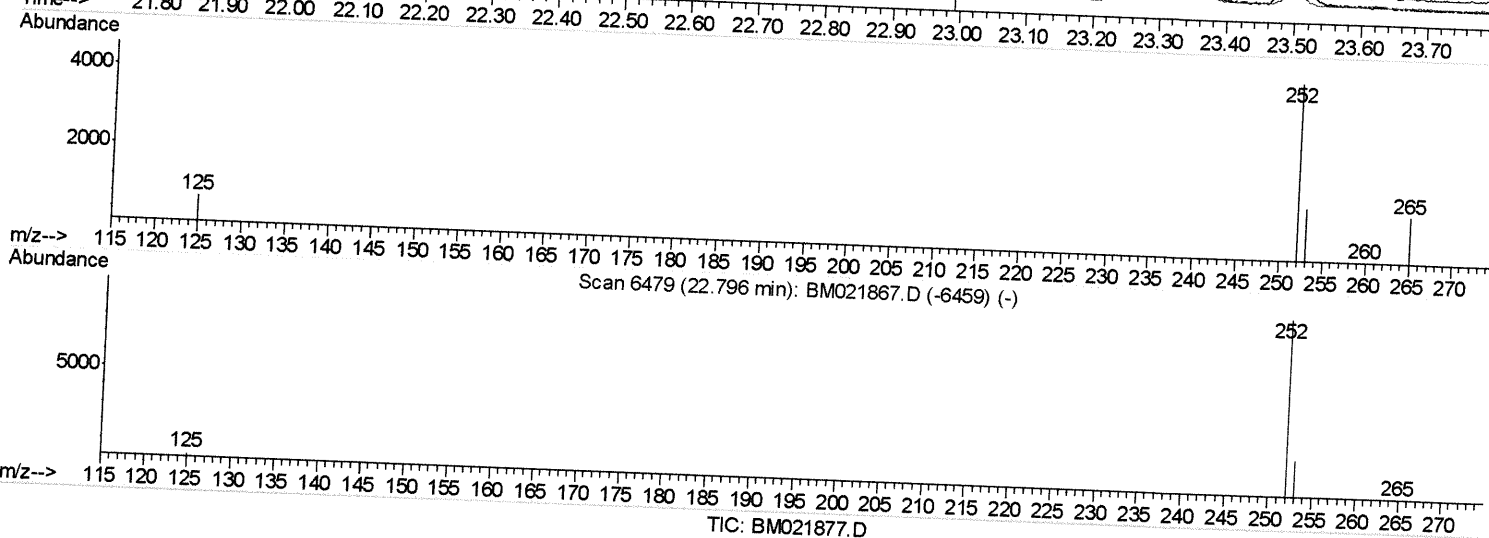
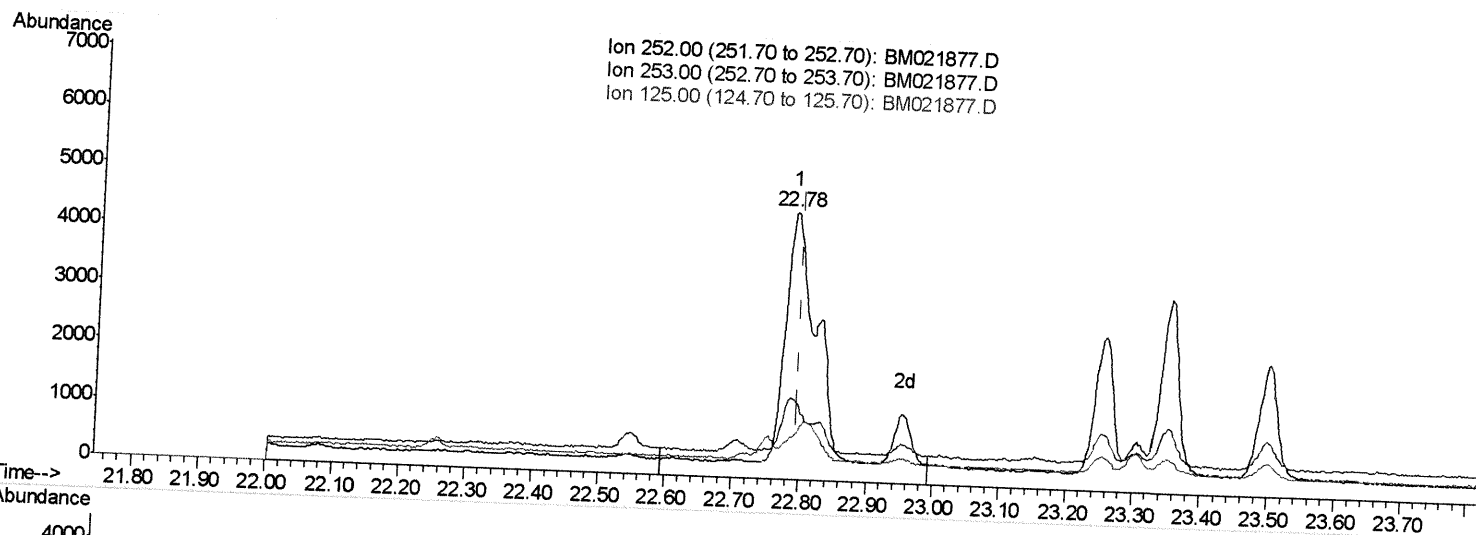
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:43:07 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 07 04:02:33 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.784min (-0.012) 0.54ng/ul m

JU 08/07/19

response 9725

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.70
125.00	15.50	15.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (Qedit)

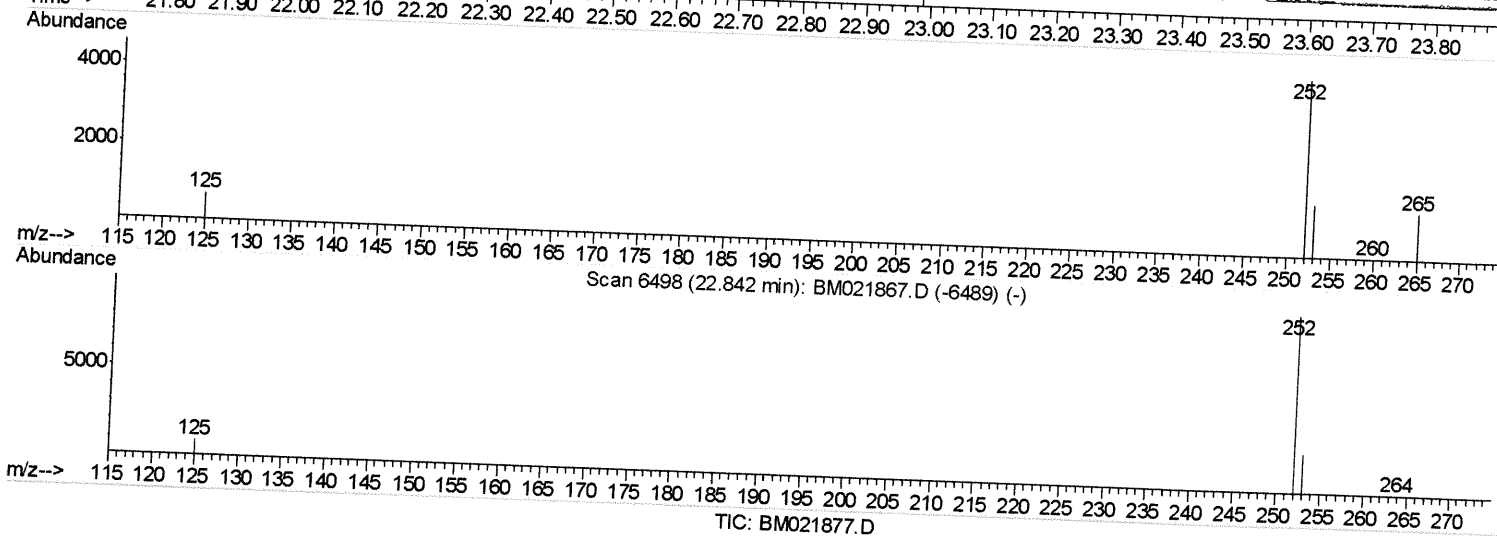
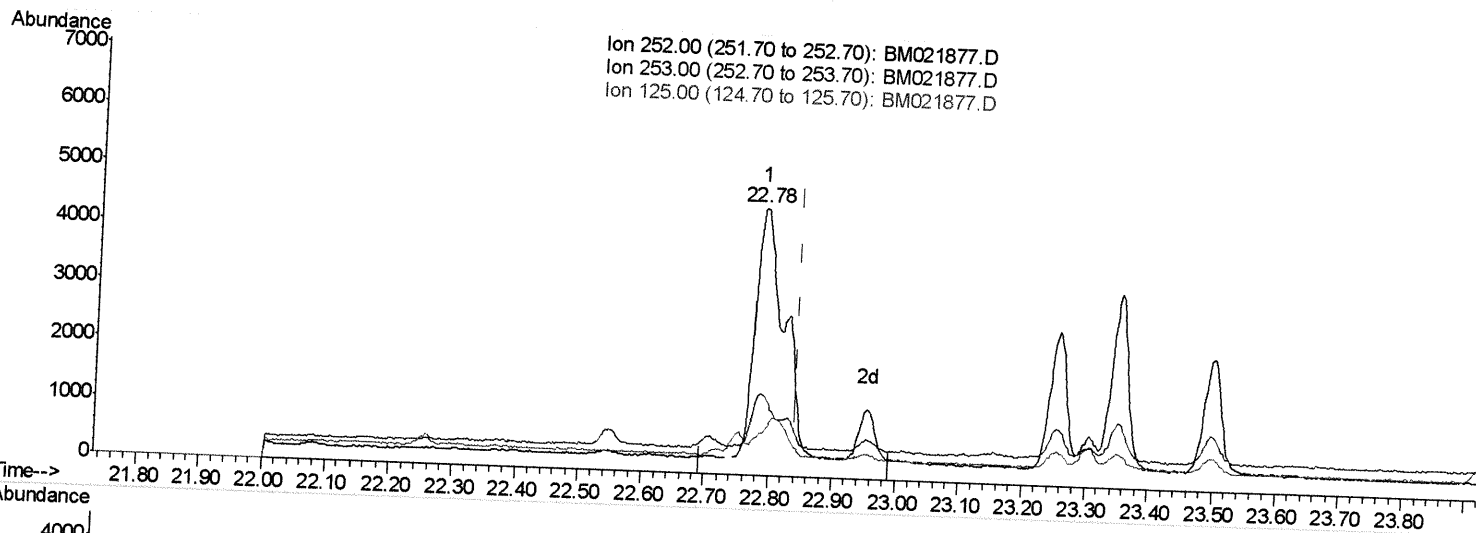
Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:43:07 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 07 04:02:33 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.784min (-0.058) 0.66ng/ui

response 13408

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.70
125.00	15.20	15.71
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
 Quantitation Report (Qedit)

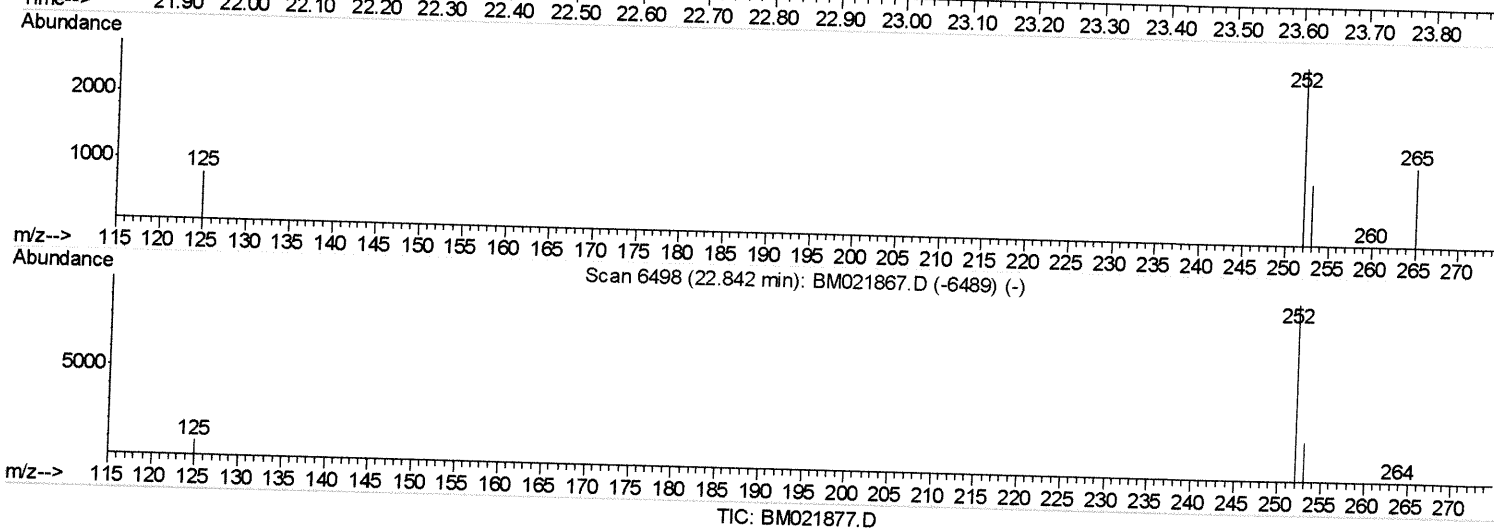
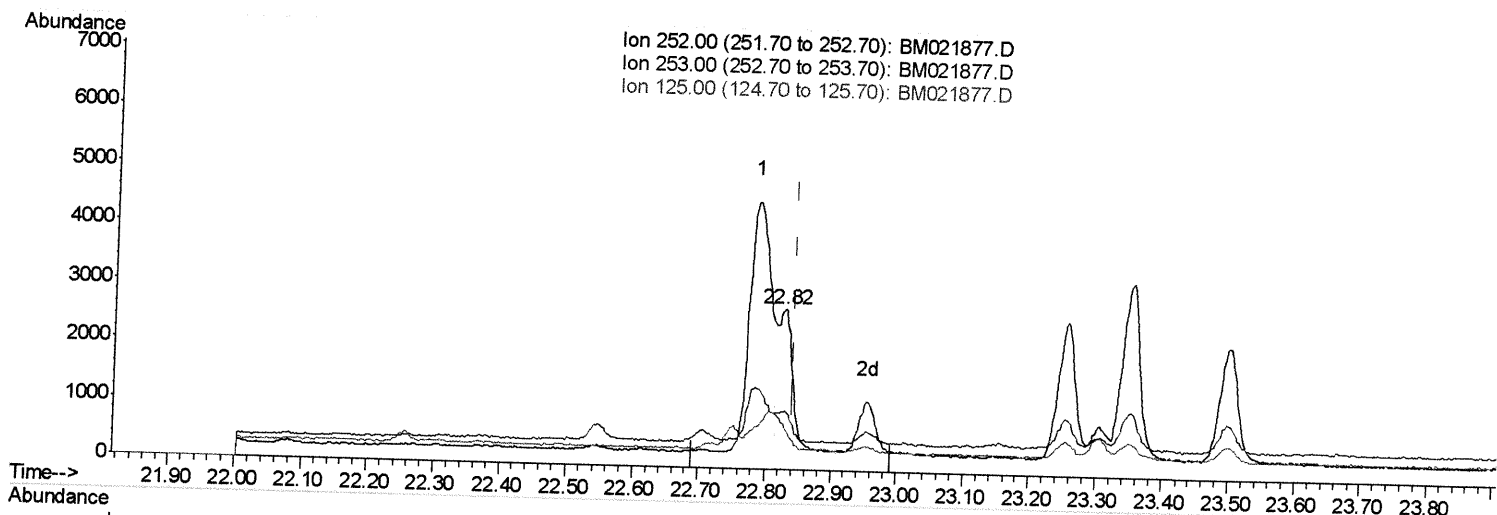
Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
 APPROVED

mohammad
 8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:43:07 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 07 04:02:33 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.825min (-0.017) 0.18ng/ul m

JU
 08/07/19

response 3686

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	36.45
125.00	15.20	28.45#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
Quantitation Report (QT Reviewed)

Data File : BM021877.D
Acq On : 07 Aug 2019 02:35
Operator : HP/JU
Sample : K3893-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP20

Manual Integrations
APPROVED

mohammad
8/7/2019 12:13:11 PM

Quant Time: Aug 07 05:44:08 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 07 04:02:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	984	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4183	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2295	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5390m →	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5113m →	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5322m →	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1004	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2814m →	0.15	ng/ul	-0.02
Target Compounds					Qvalue	
5) 2-Methylnaphthalene	12.10	142	256	0.033	ng/ul	89
7) Acenaphthylene	14.00	152	1599	0.149	ng/ul	98
9) Fluorene	15.34	166	255	0.026	ng/ul#	93
12) Phenanthrene	17.08	178	5863	0.374	ng/ul	99
13) Anthracene	17.17	178	1519m →	0.114	ng/ul	93
15) Fluoranthene	19.10	202	13204m →	0.629	ng/ul	97
17) Pyrene	19.47	202	10349	0.493	ng/ul	96
18) Benzo(a)anthracene	21.22	228	6182	0.338	ng/ul	96
19) Chrysene	21.27	228	7257m →	0.309	ng/ul	93
21) Benzo(b)fluoranthene	22.78	252	9725m →	0.542	ng/ul	44
22) Benzo(k)fluoranthene	22.82	252	3686m →	0.181	ng/ul	93
23) Benzo(a)pyrene	23.35	252	5528	0.303	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.67	276	4650	0.213	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	1255	0.071	ng/ul#	93
26) Benzo(g,h,i)perylene	26.35	276	3547	0.181	ng/ul#	93

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