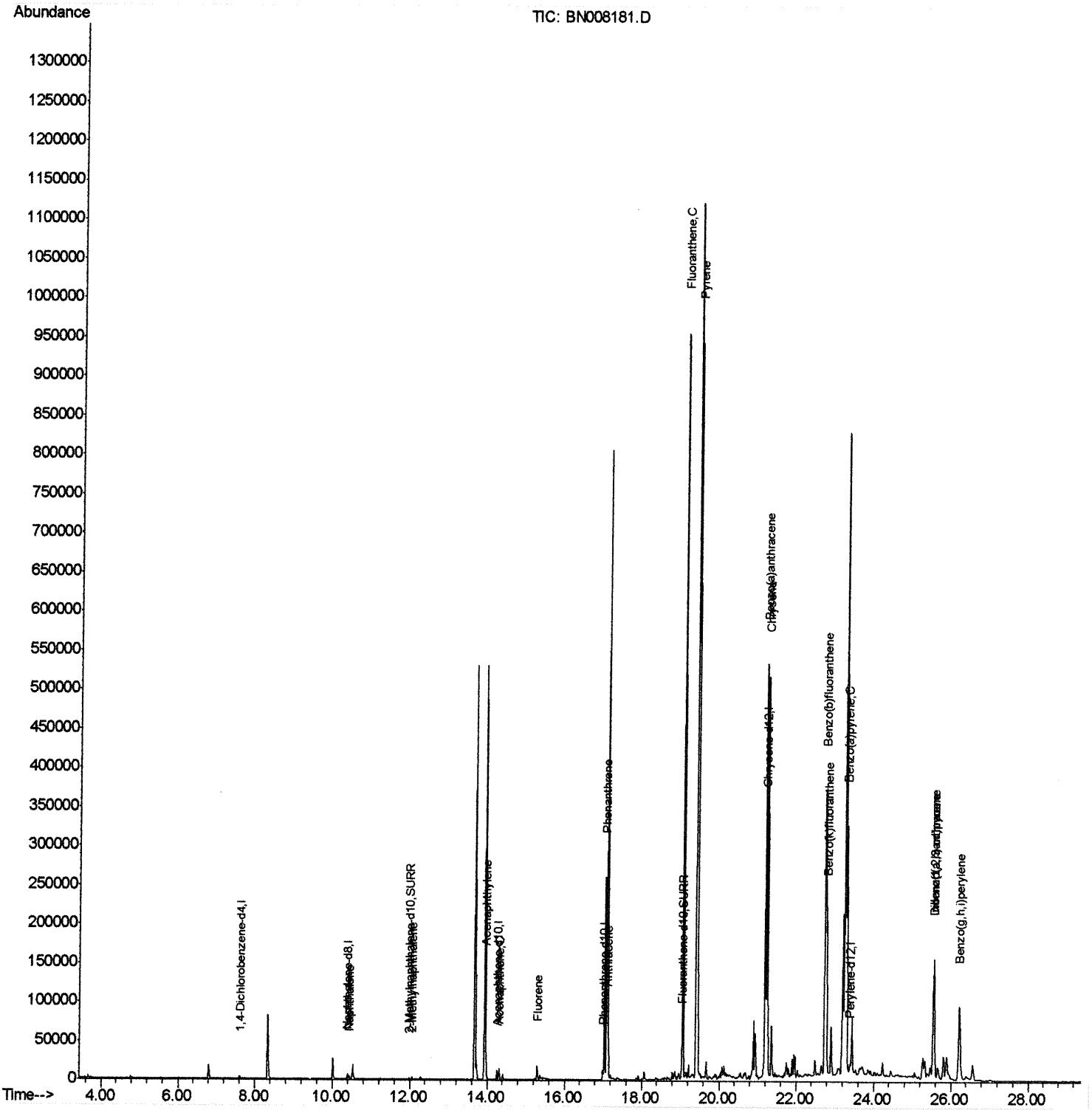
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:16:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM



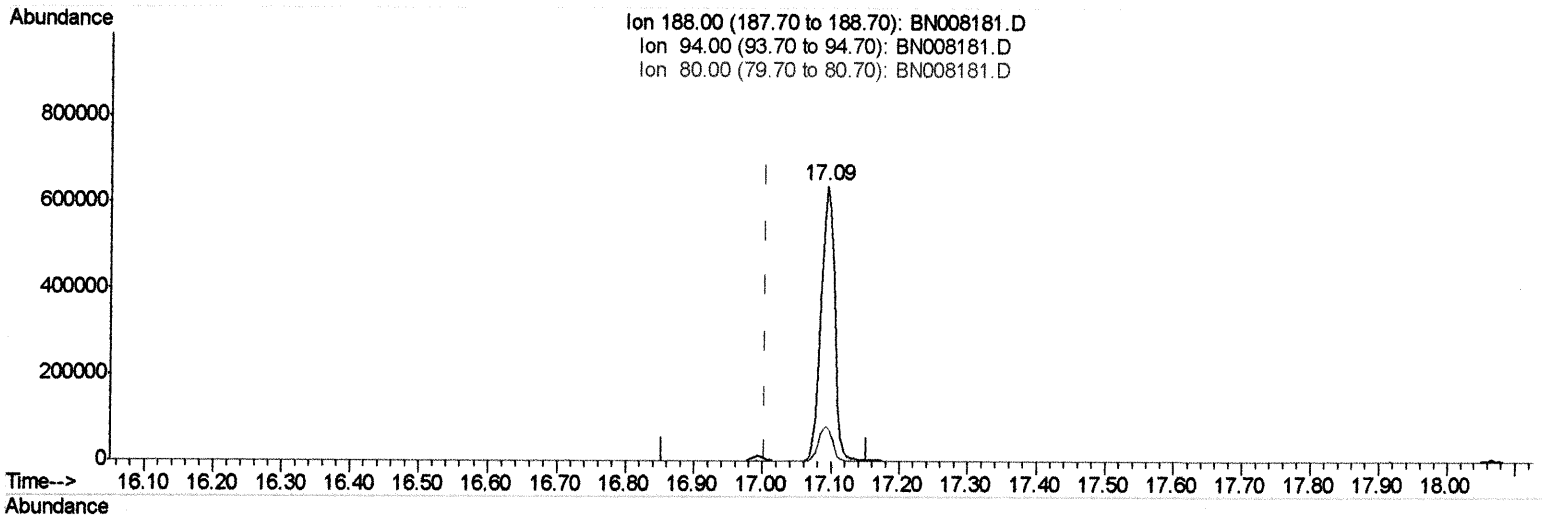
Quantitation Report (Qedit)

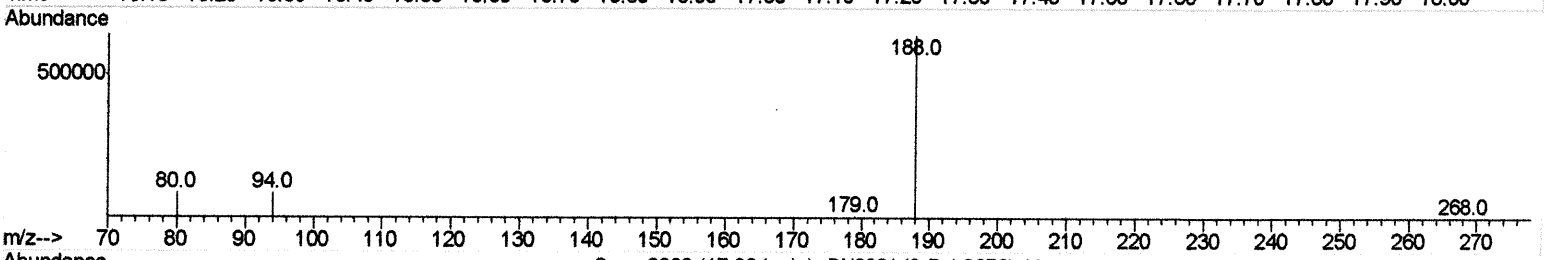
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

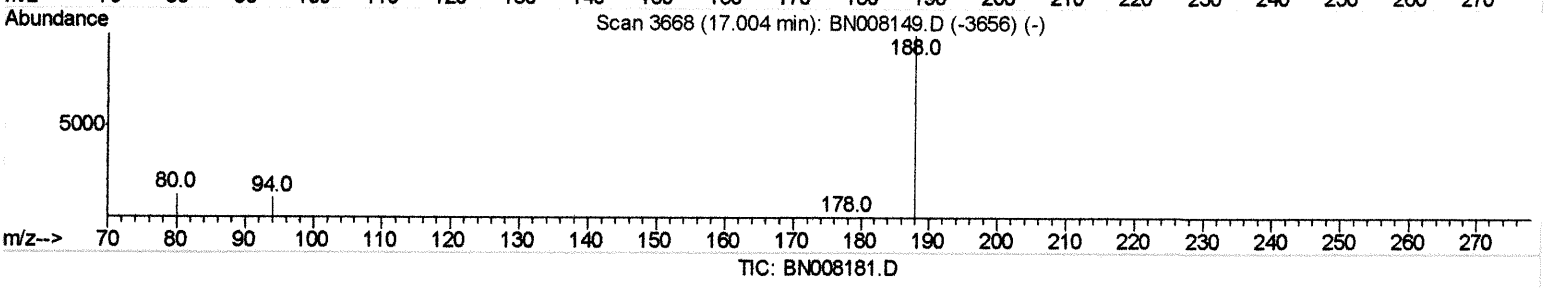
Quant Time: Oct 16 03:43:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







(10) Phenanthrene-d10 (I)

17.093min (+0.089) 0.40ng/ul

response 883081

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.90
80.00	12.60	12.75
0.00	0.00	0.00

Quantitation Report (Qedit)

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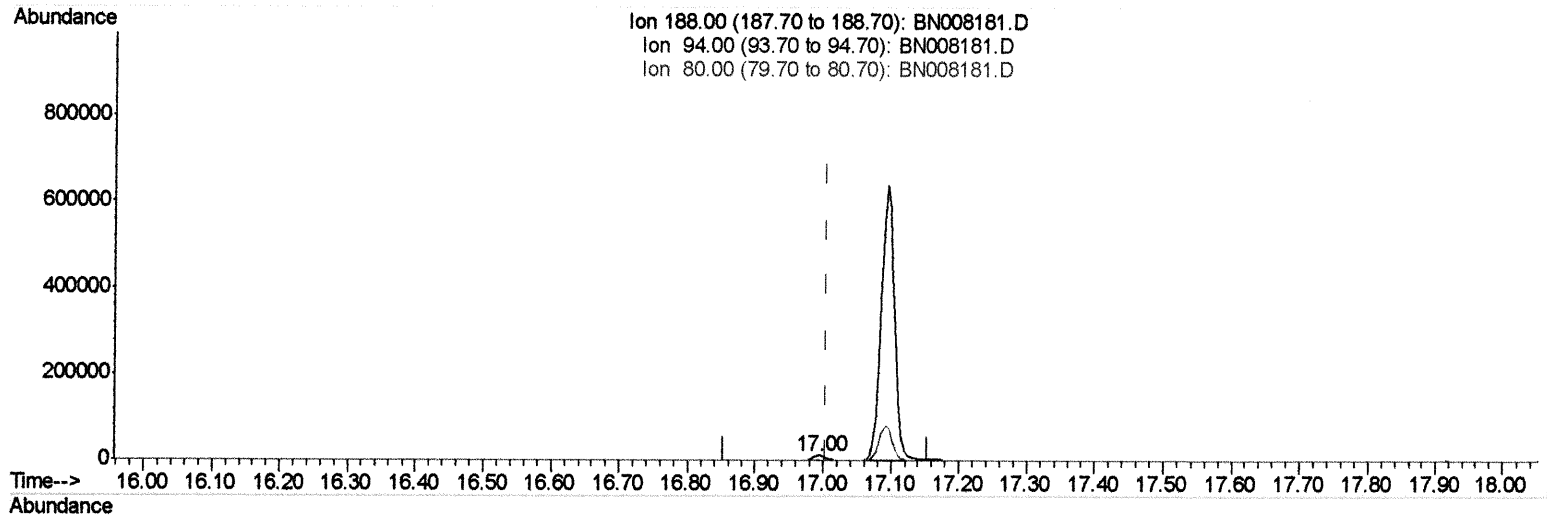
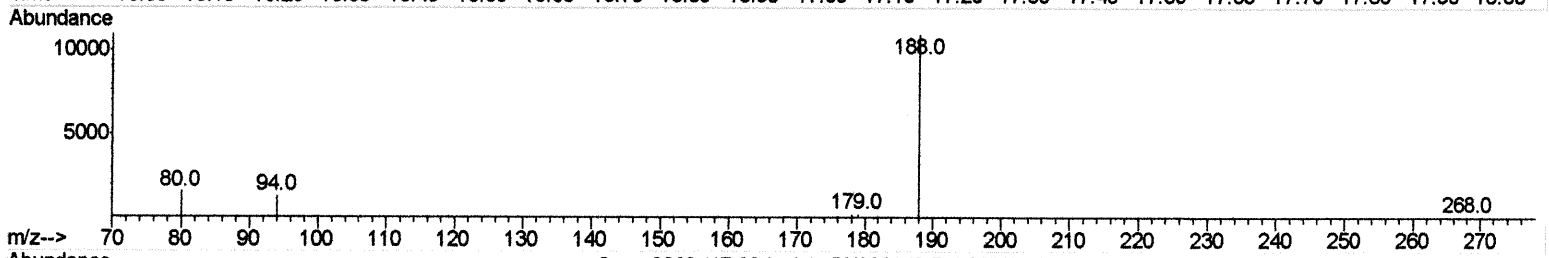
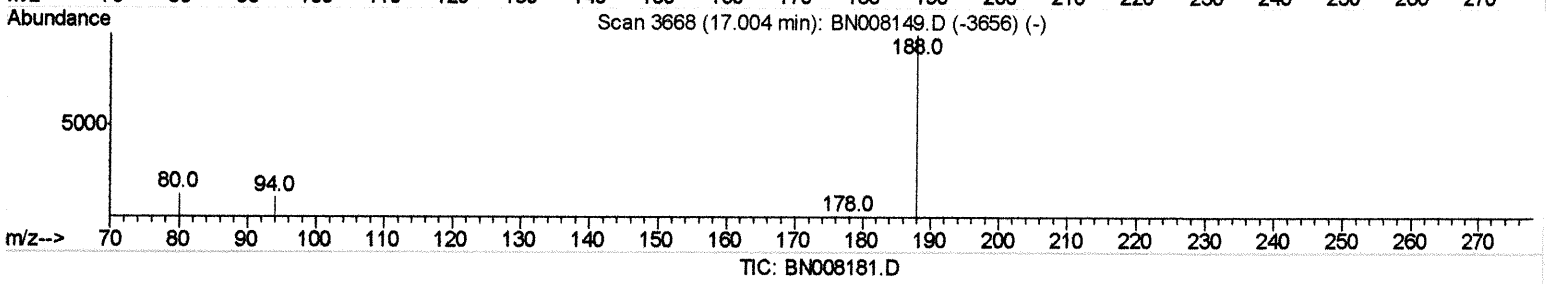
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







(10) Phenanthrene-d10 (I)

16.996min (-0.008) 0.40ng/ul m

JU 10/21/19

response 15599

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.62
80.00	12.60	13.99
0.00	0.00	0.00

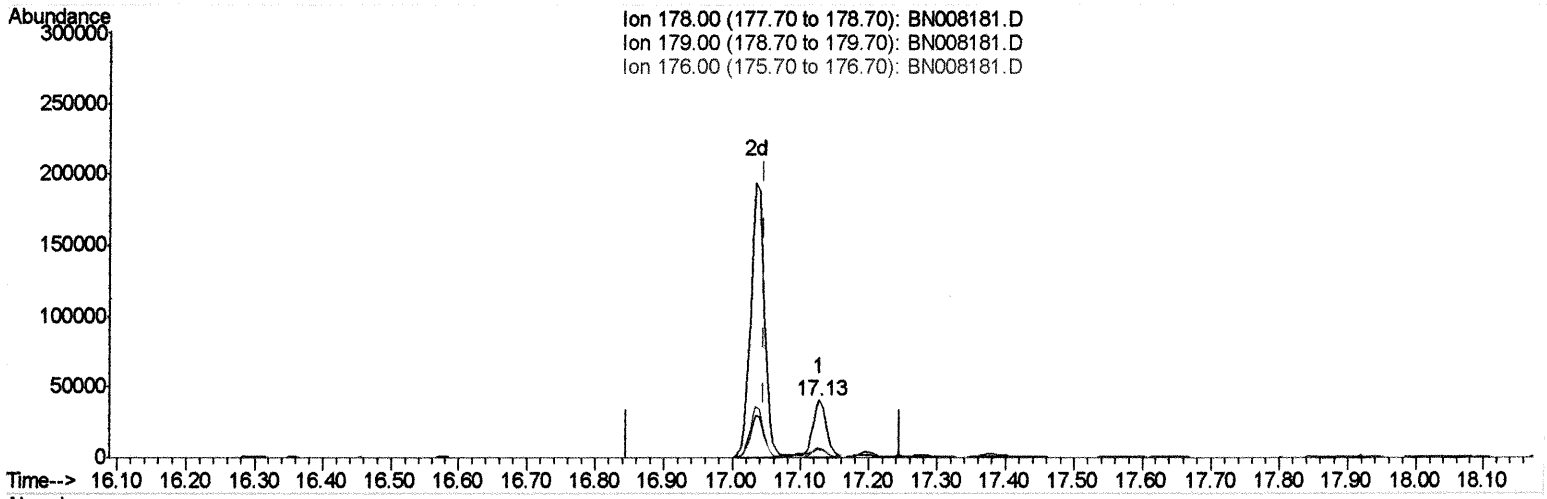
Quantitation Report (Qedit)

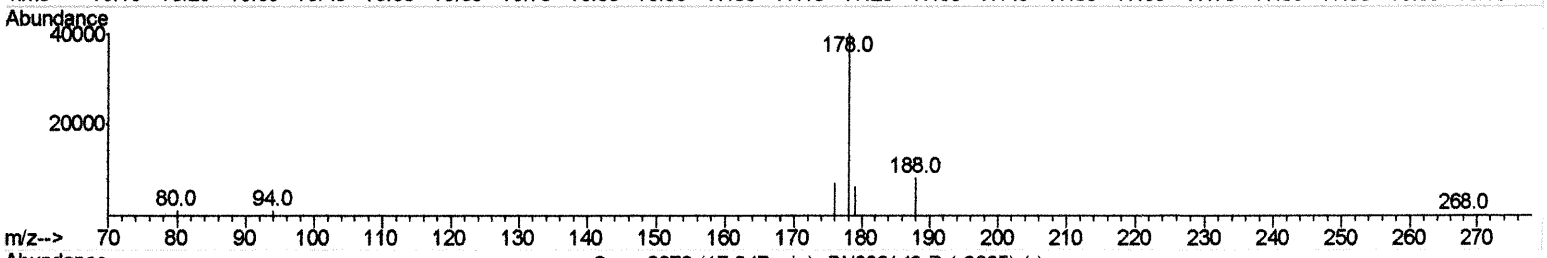
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

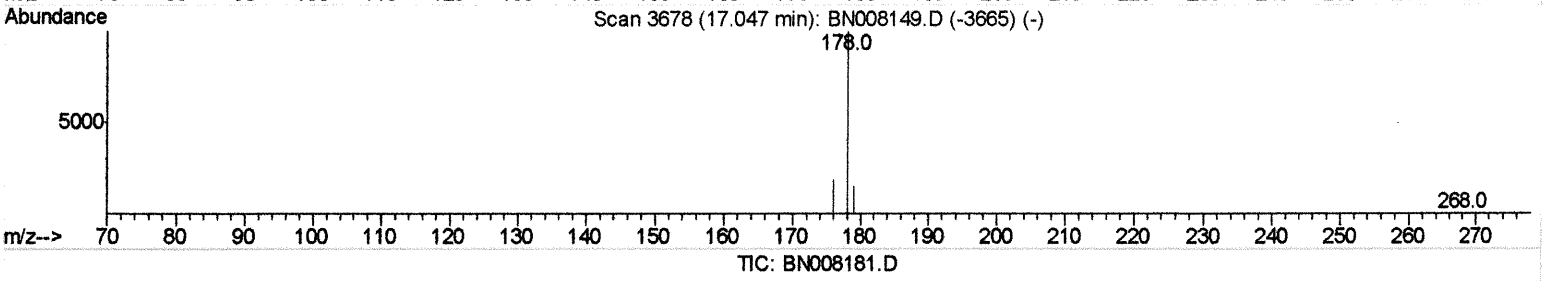
Quant Time: Oct 16 04:10:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(12) Phenanthrene

17.127min (+0.080) 1.20ng/ul

response 54692

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.94
176.00	19.30	18.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
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ALS Vial : 48 Sample Multiplier: 1

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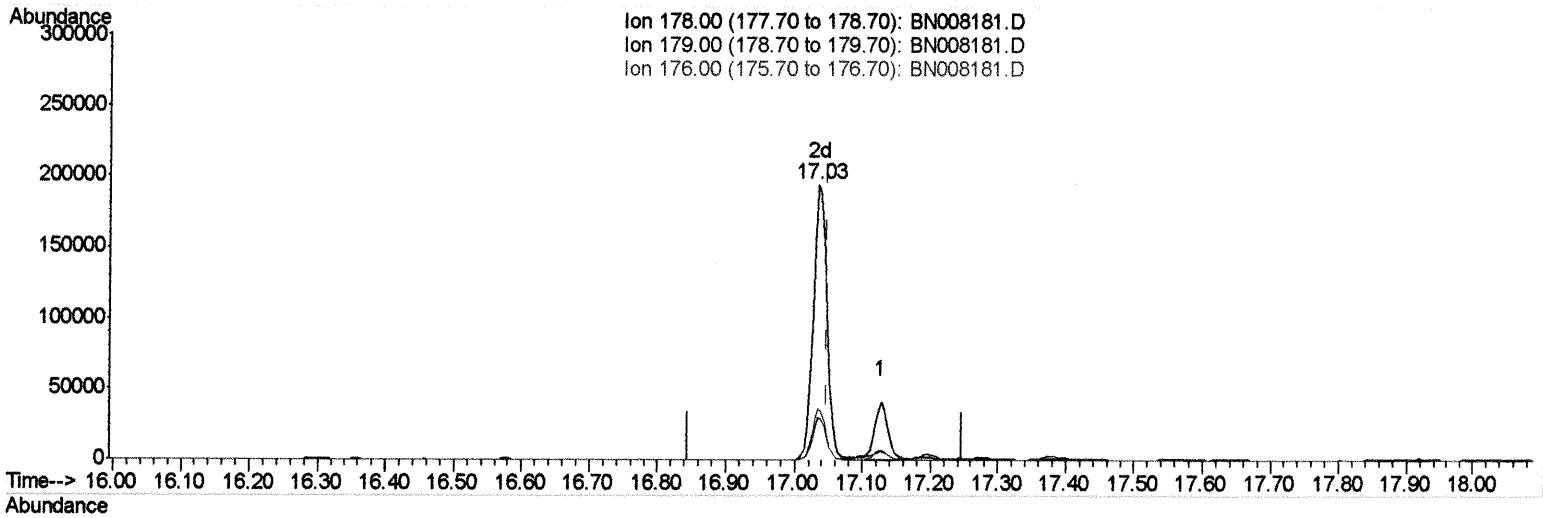
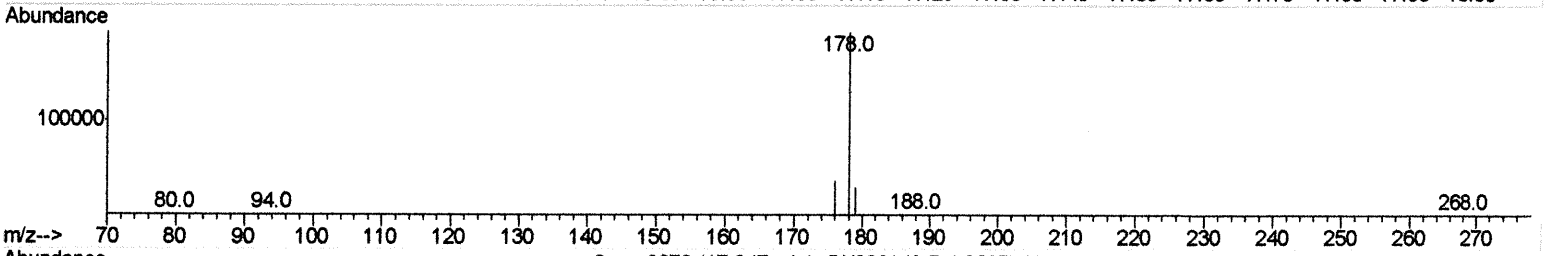
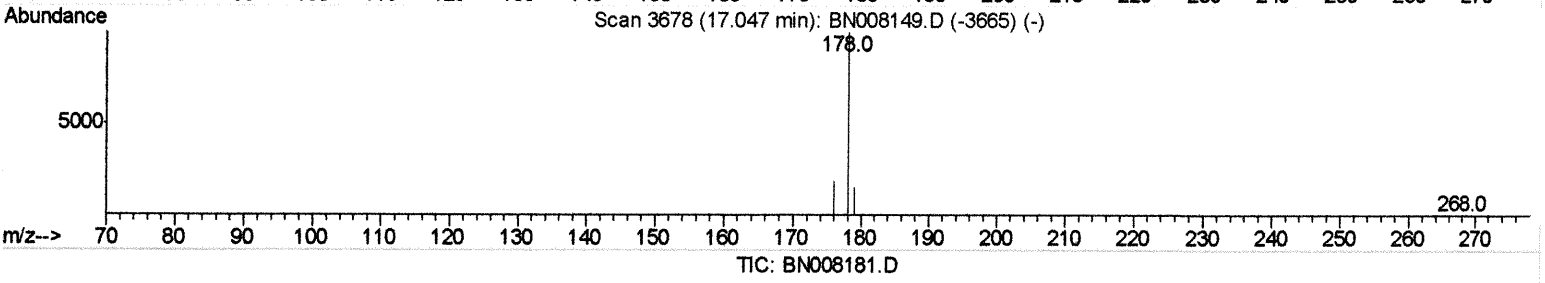
Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(12) Phenanthrene

17.034min (-0.013) 5.98ng/ul m

response 272980

JU 10/21/19

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.32
176.00	19.30	18.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:10:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
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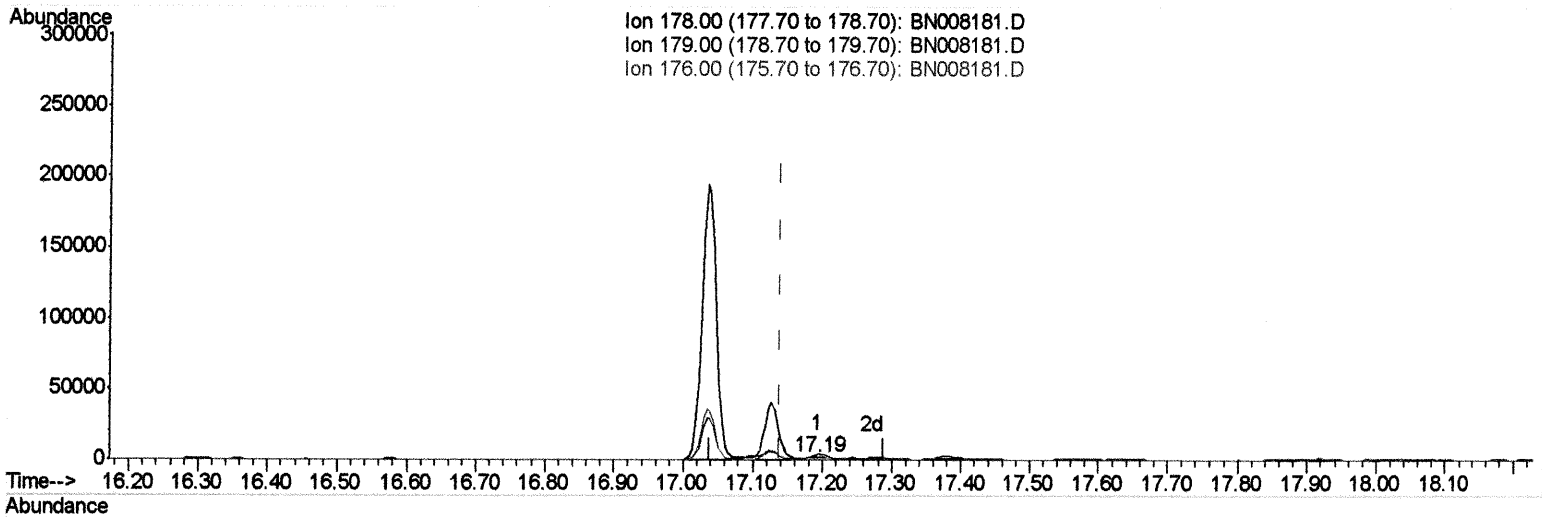
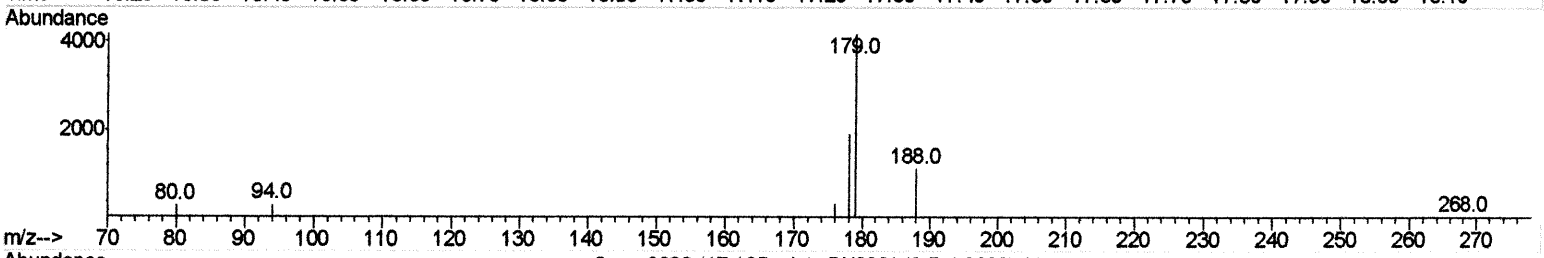
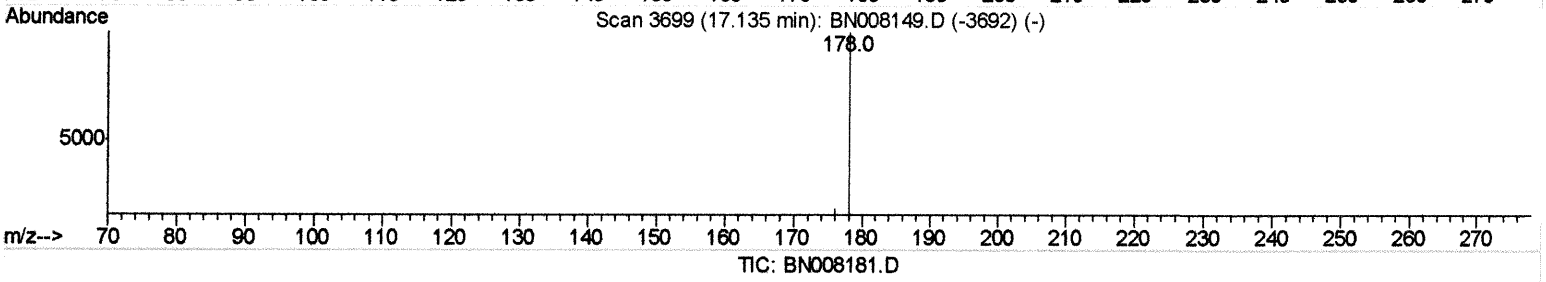
Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(13) Anthracene

17.194min (+0.055) 0.05ng/ul

response 2060

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	216.19#
176.00	18.80	18.11
0.00	0.00	0.00

Quantitation Report (Qedit)

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Acq On : 15 Oct 2019 19:50
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Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:10:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
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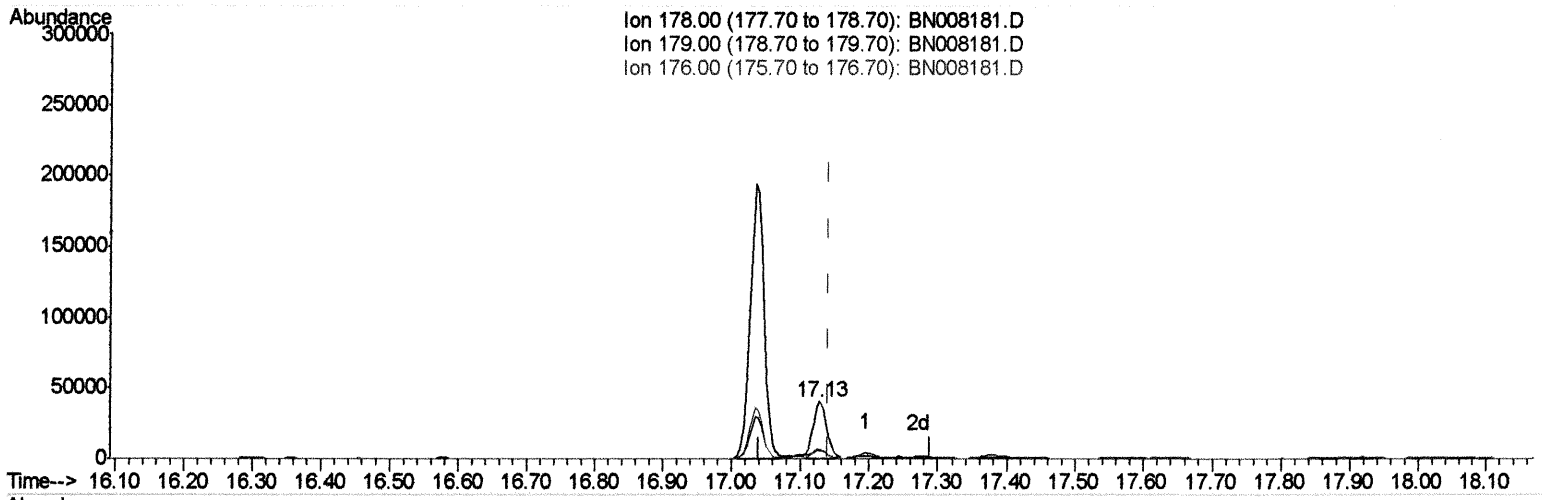
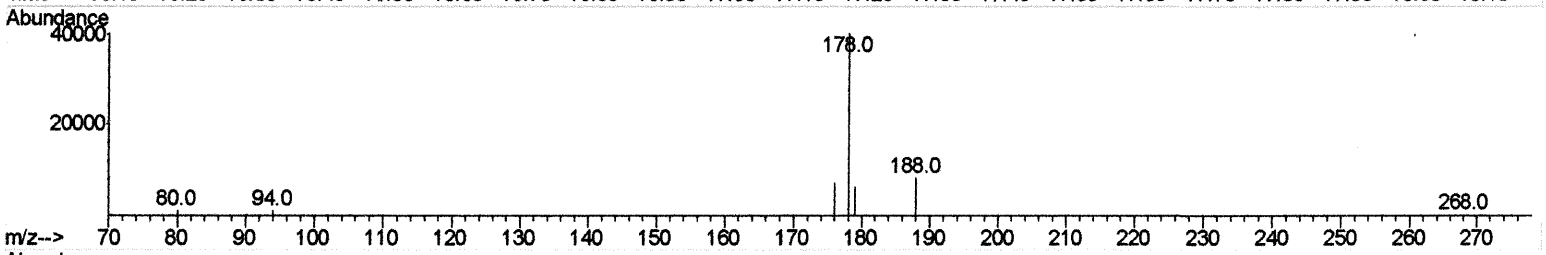
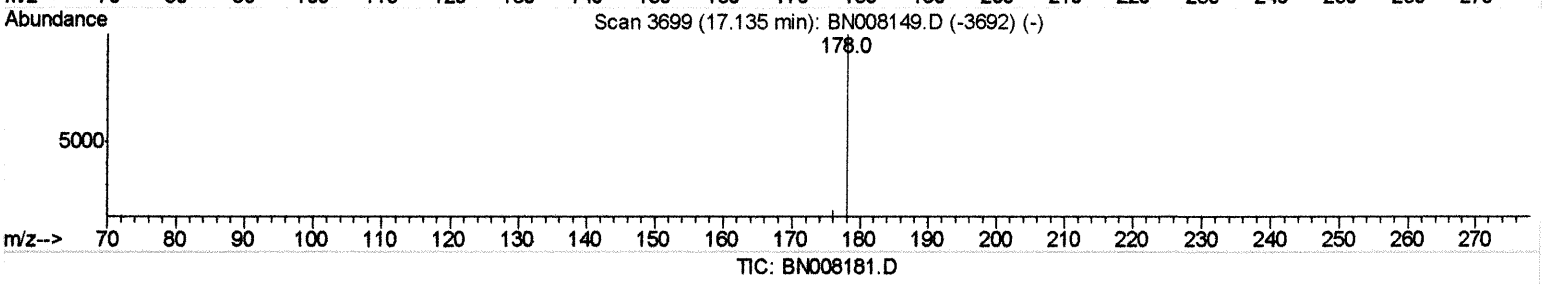
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(13) Anthracene

17.127min (-0.013) 1.36ng/ul m JU 10/21/19

response 54482

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	15.94
176.00	18.80	18.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:10:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
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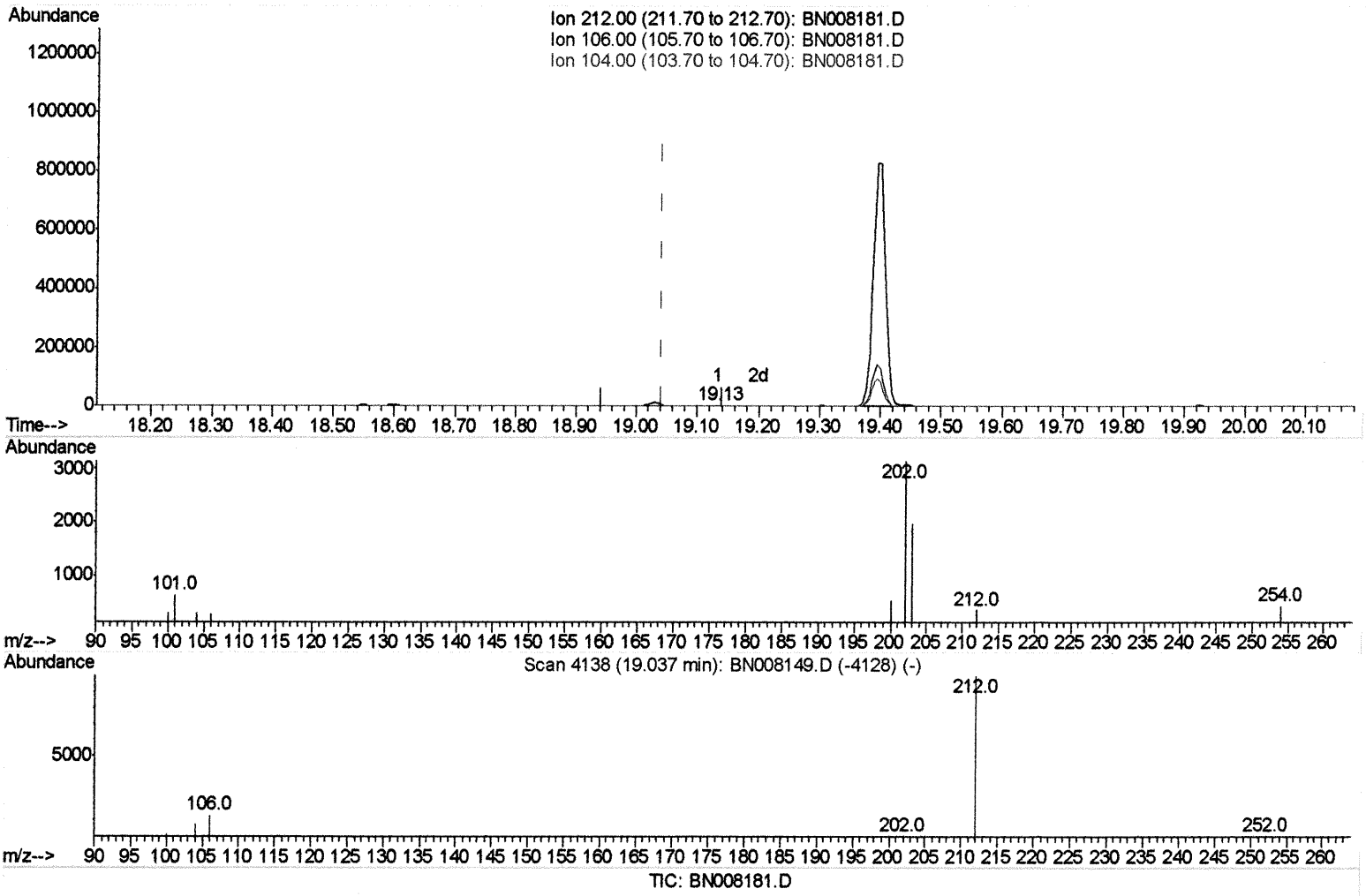
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM



TIC: BN008181.D

(14) Fluoranthene-d10 (SURR)

19.135min (+0.093) 0.01ng/ul

response 475

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	17.47#
104.00	7.20	57.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:10:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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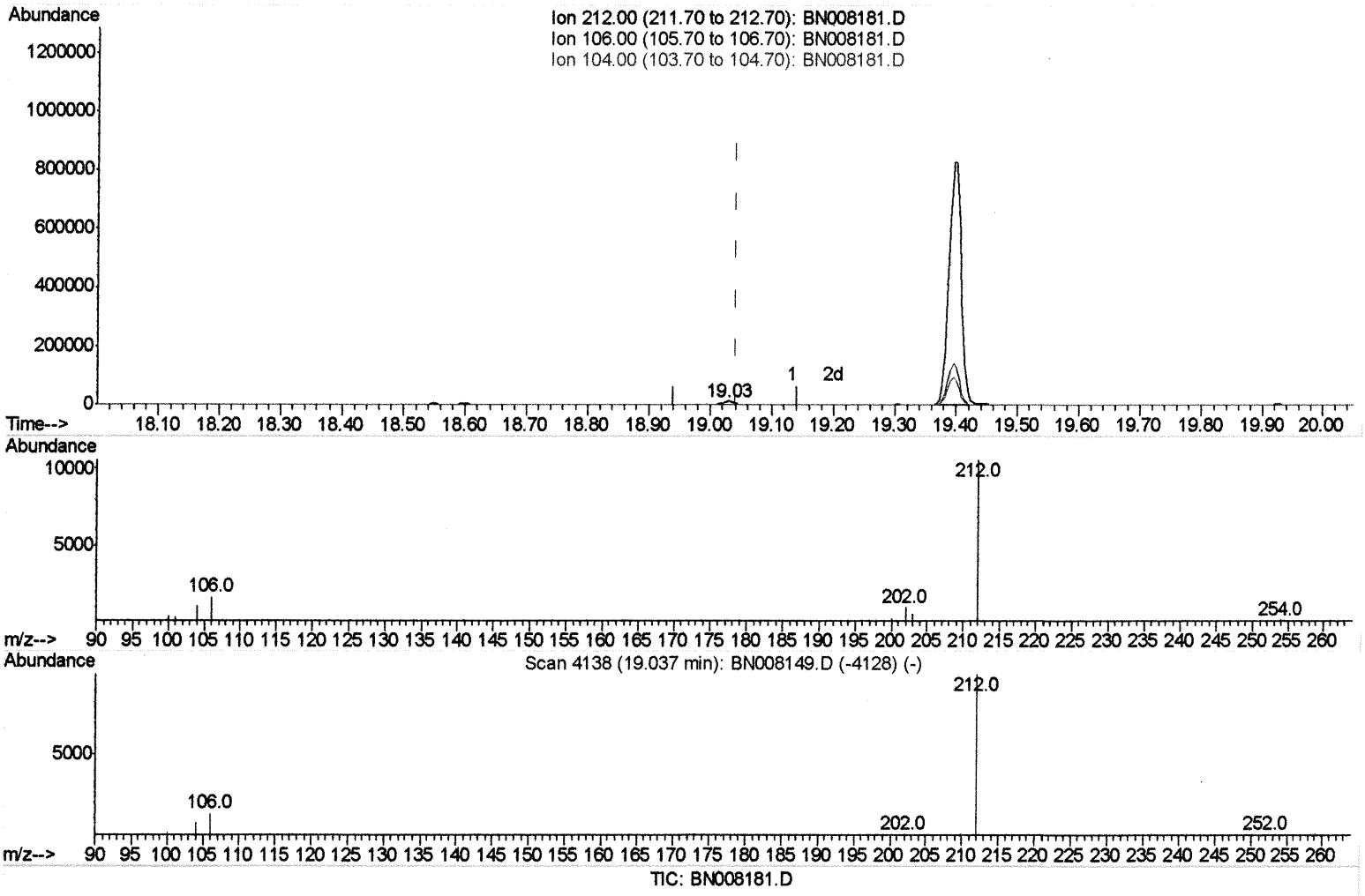
Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM



TIC: BN008181.D

(14) Fluoranthene-d10 (SURR)

19.028min (-0.014) 0.24ng/ul m JU 10/21/19

response 12735

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.65#
104.00	7.20	2.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

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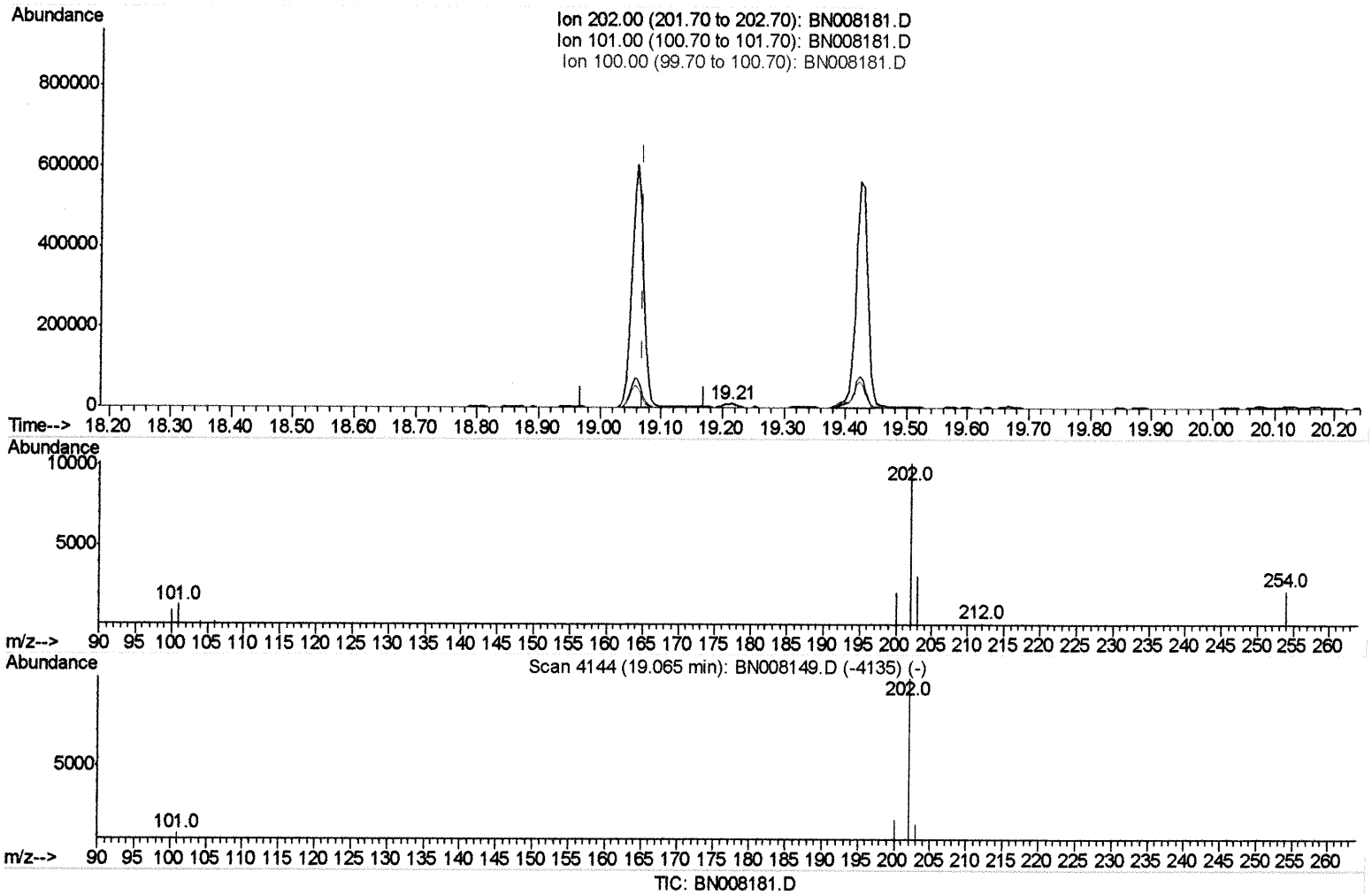
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM



(15) Fluoranthene (C)

19.214min (+0.144) 0.19ng/ul

response 11165

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	12.82
100.00	8.50	9.33
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BN008181.D
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Misc :
ALS Vial : 48 Sample Multiplier: 1

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QLast Update : Tue Oct 15 15:13:35 2019
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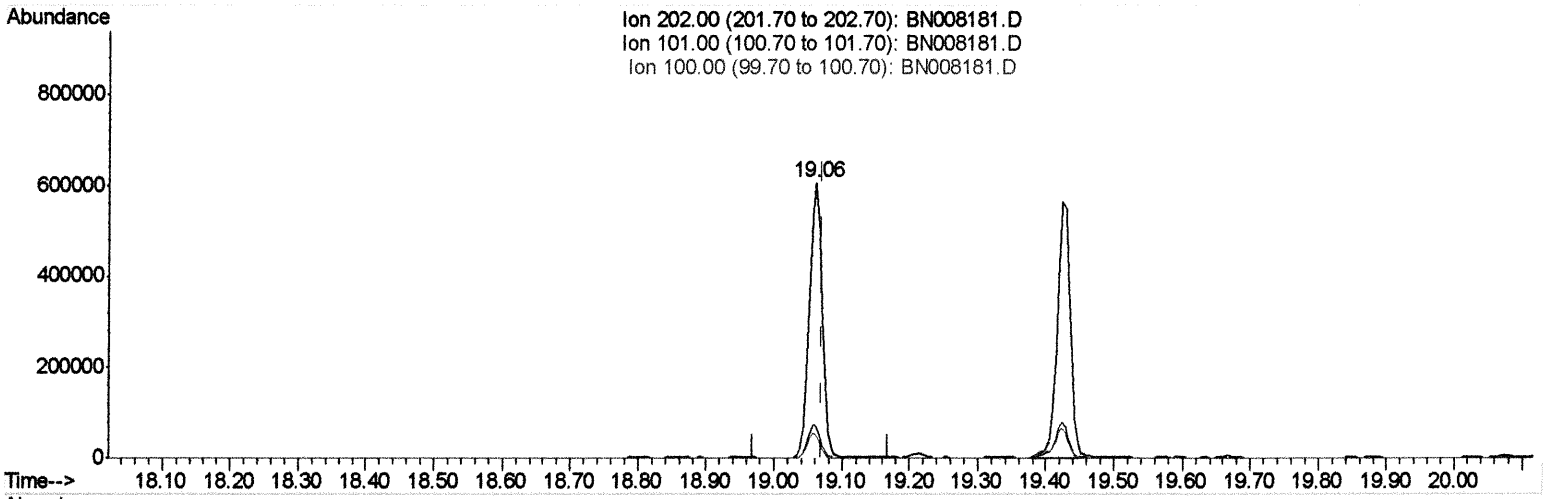
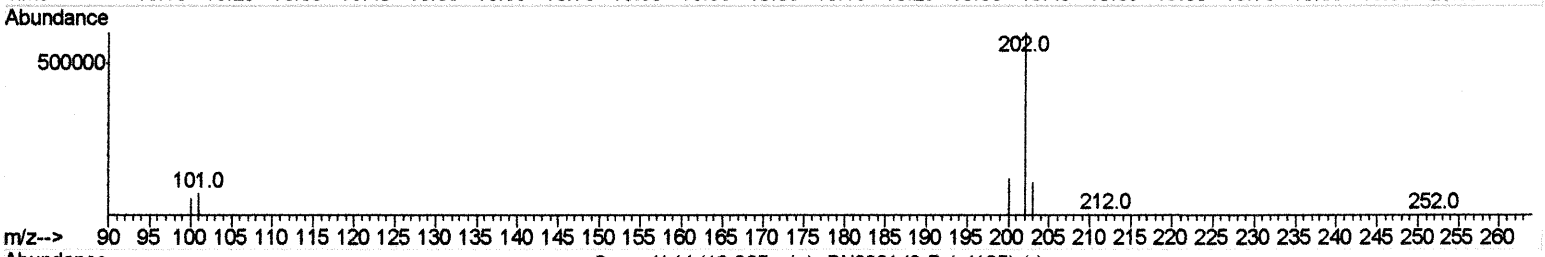
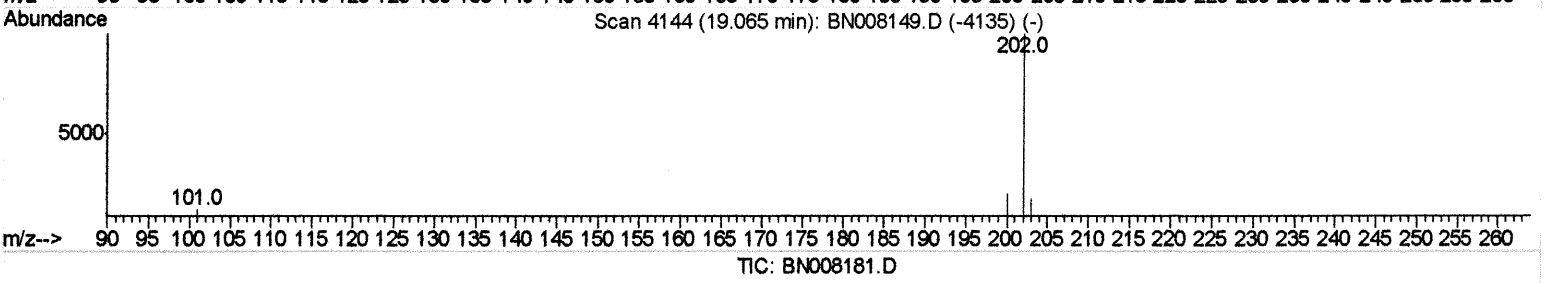
Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







(15) Fluoranthene (C)

19.060min (-0.009) 13.04ng/ul m JU 10/21/19

response 786333

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.68
100.00	8.50	8.73
0.00	0.00	0.00

Quantitation Report (Qedit)

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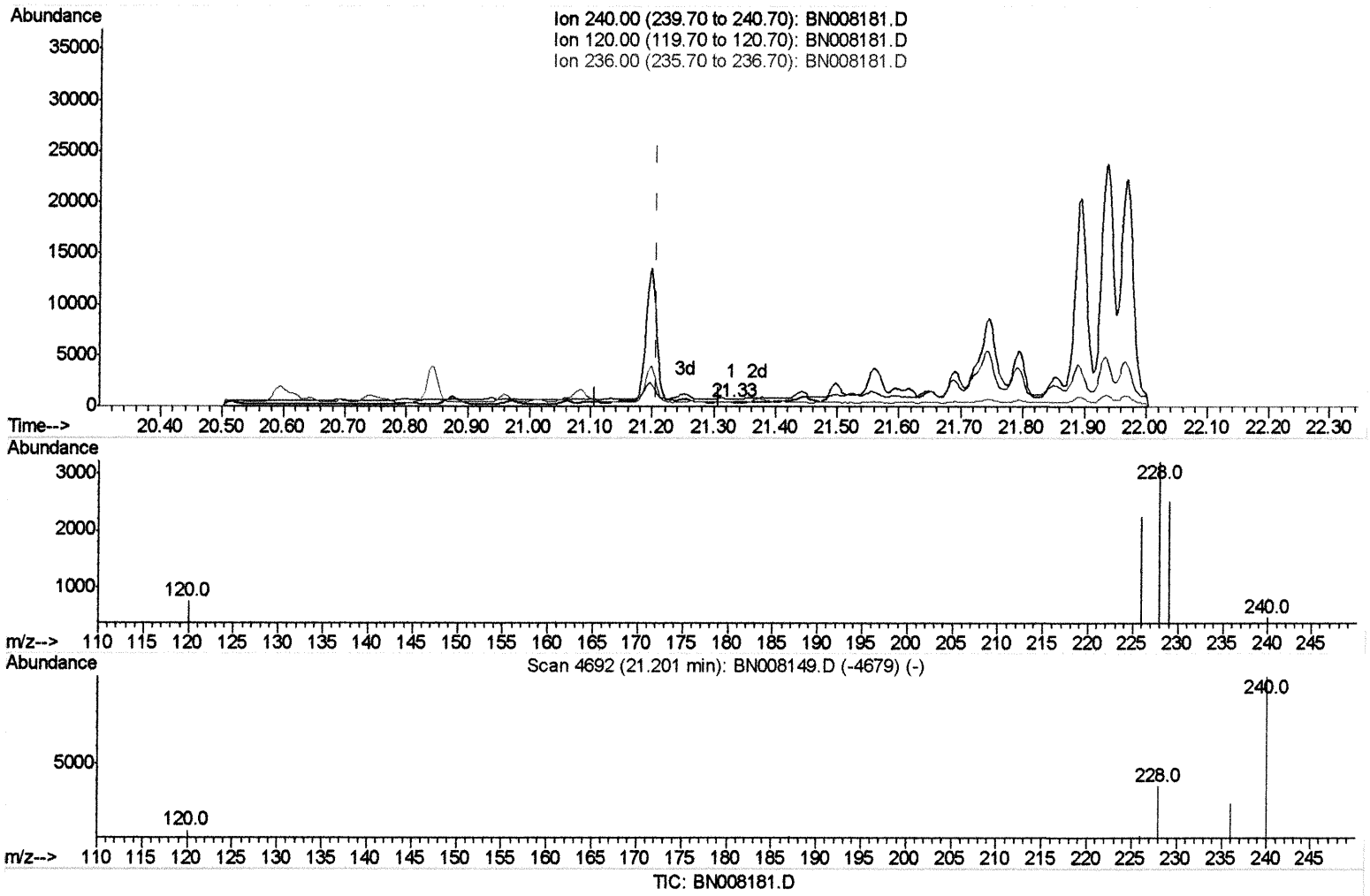
Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM



TIC: BN008181.D

(16) Chrysene-d12 (I)

21.329min (+0.123) 0.40ng/ul

response 249

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	160.00#
236.00	28.40	81.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

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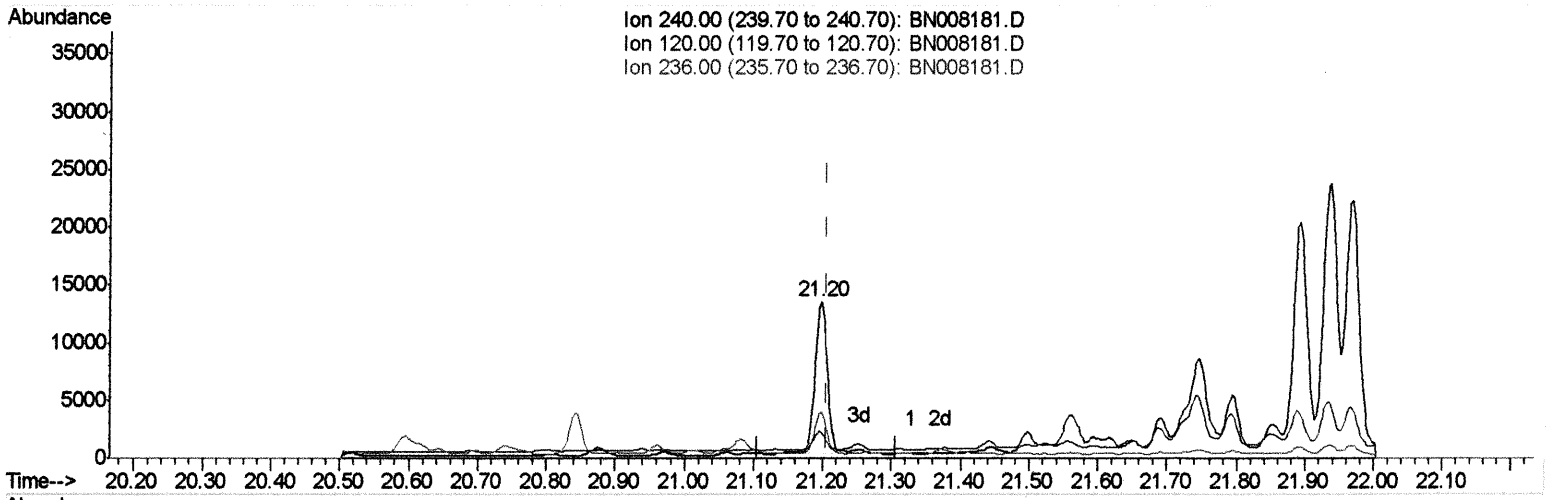
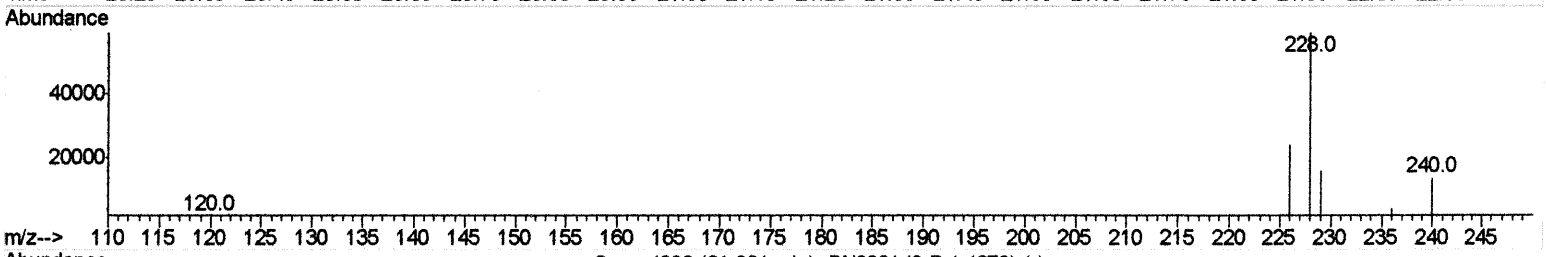
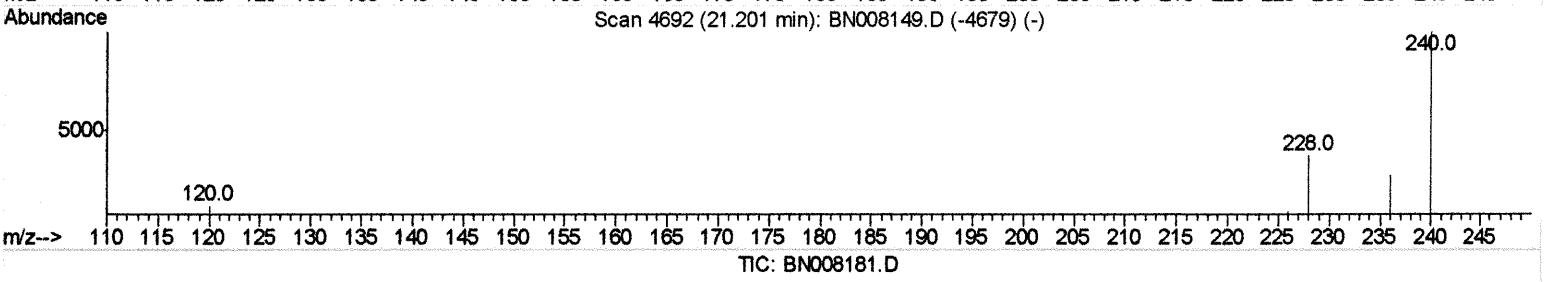
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m

response 15904

JU 10/21/19

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	16.25
236.00	28.40	29.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
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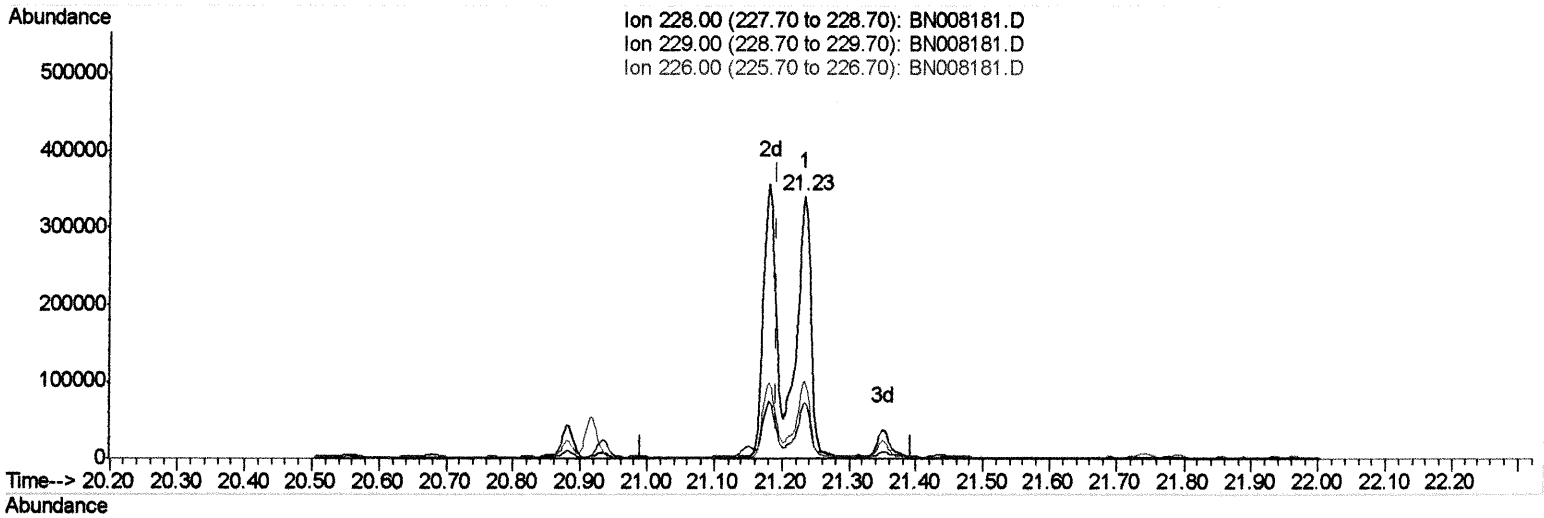
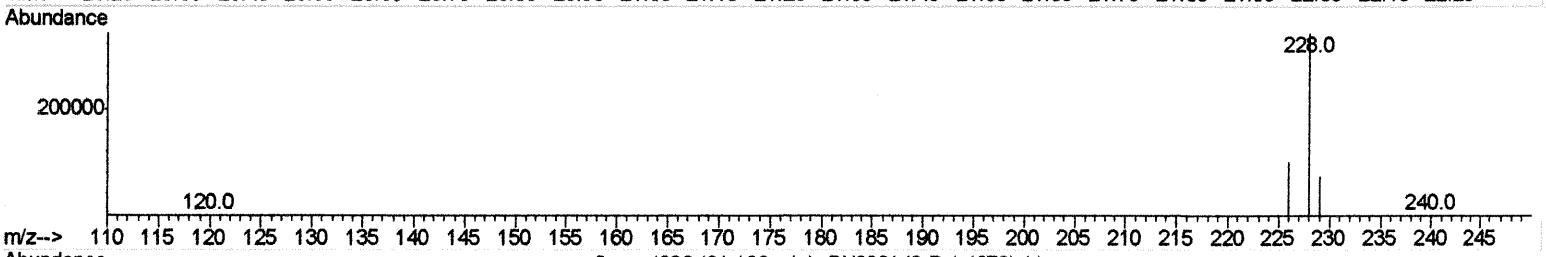
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

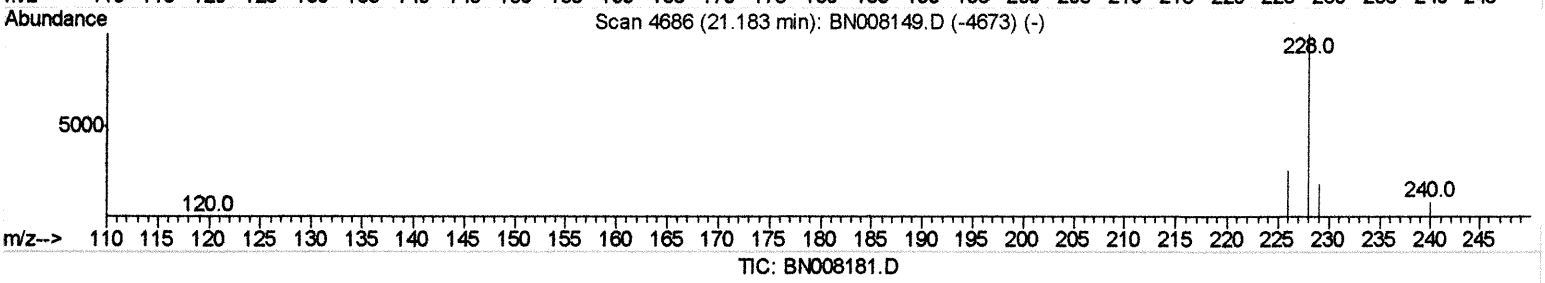
Quant Time: Oct 16 04:13:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(18) Benzo(a)anthracene

21.233min (+0.041) 8.60ng/ul

response 497542

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	21.58
226.00	26.70	29.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:13:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
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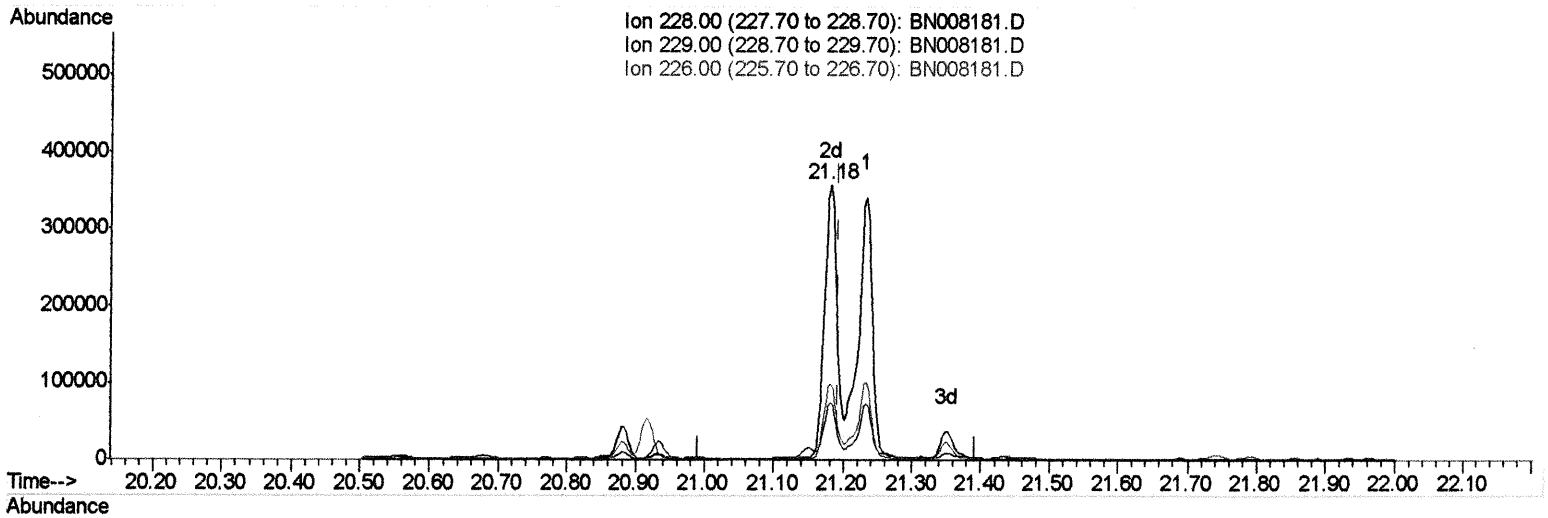

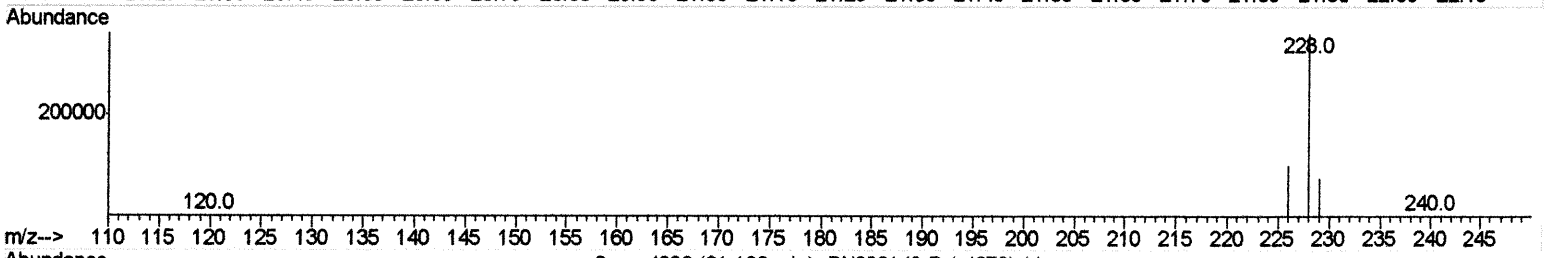

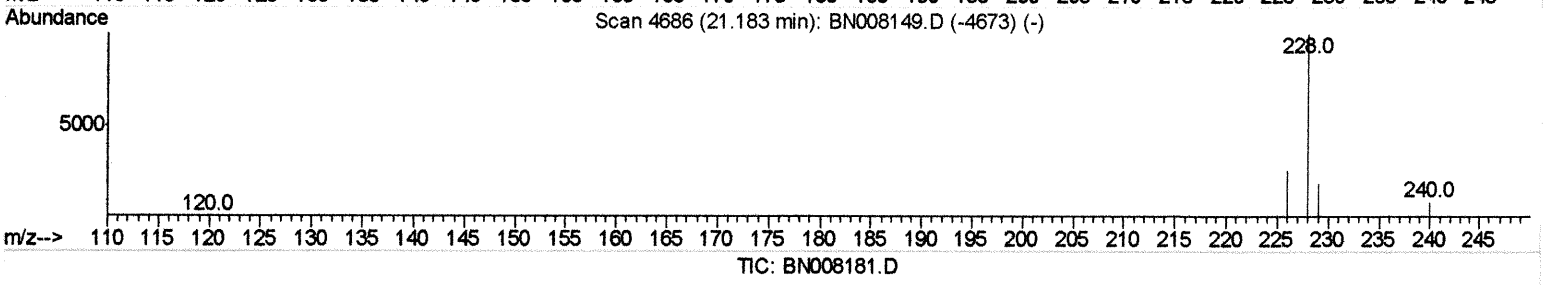

TIC: BN008181.D

(18) Benzo(a)anthracene

21.180min (-0.012) 7.74ng/ul m

response 447276

JU 10/21/19

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	20.91
226.00	26.70	27.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:13:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
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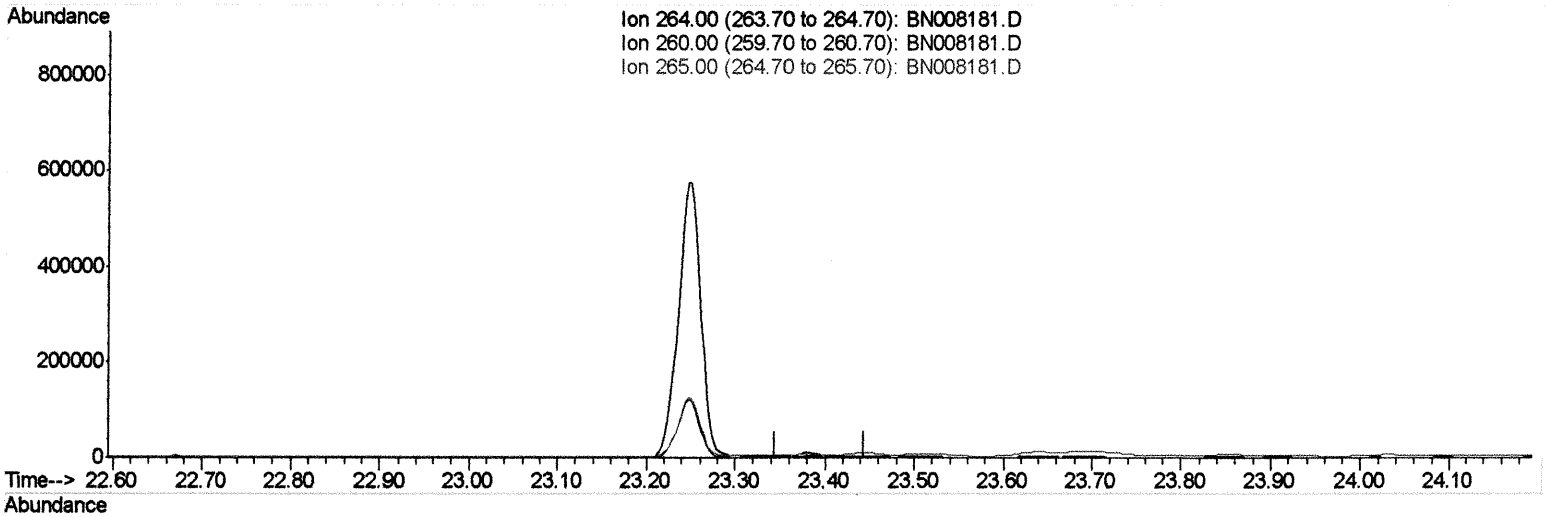

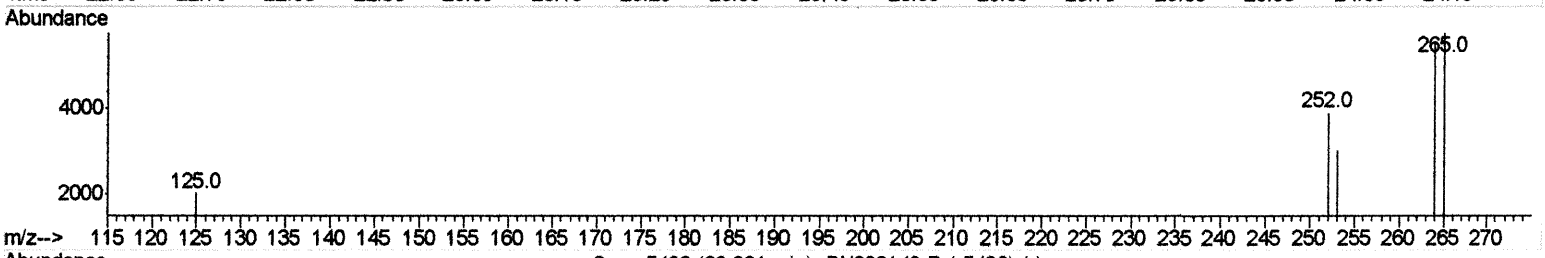

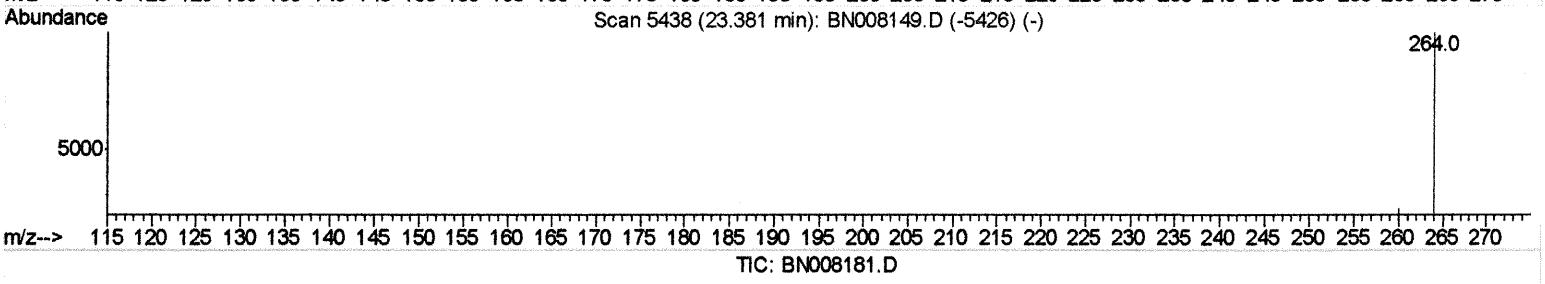

TIC: BN008181.D

(20) Perylene-d12 (I)

23.395min (-23.395) 0.00ng/ul

response 0

Ion	Exp%	Act%
264.00	100	0.00
260.00	25.60	0.00#
265.00	74.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:13:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
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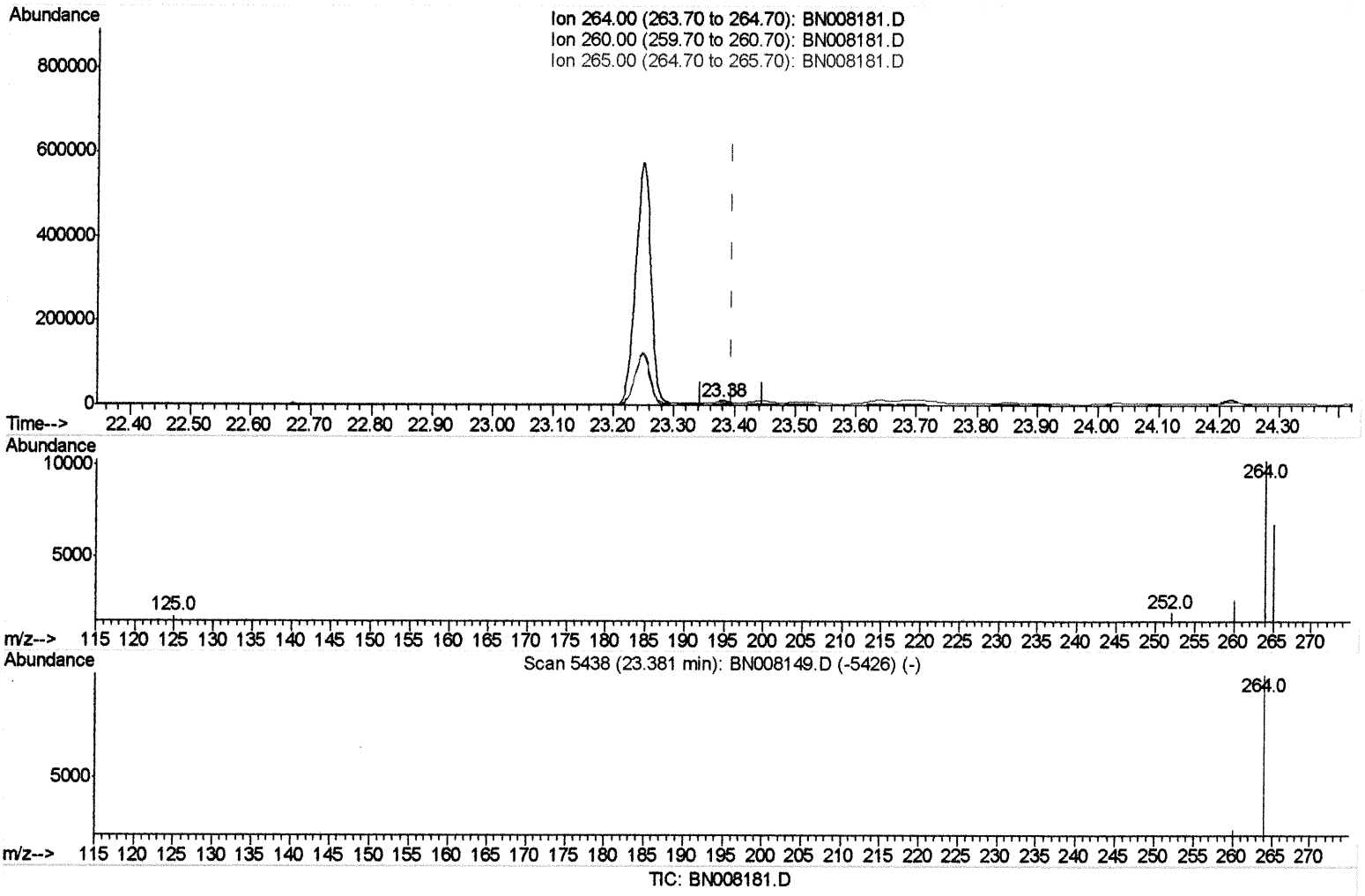


(20) Perylene-d12 (I)

23.378min (-0.017) 0.40ng/ul m JU 10/21/19

response 14323

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.73
265.00	74.00	66.35
0.00	0.00	0.00

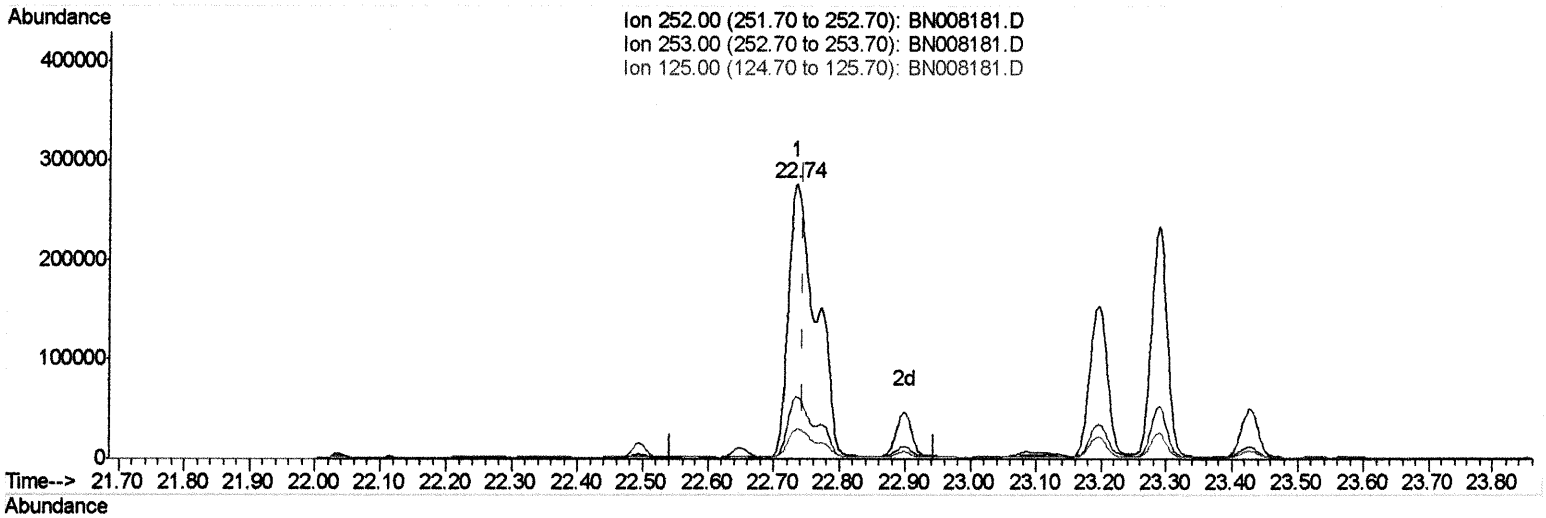
Quantitation Report (Qedit)

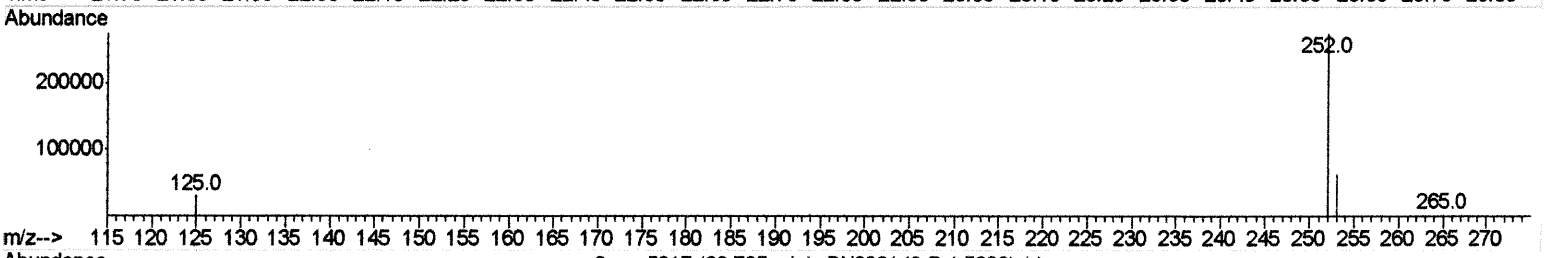
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

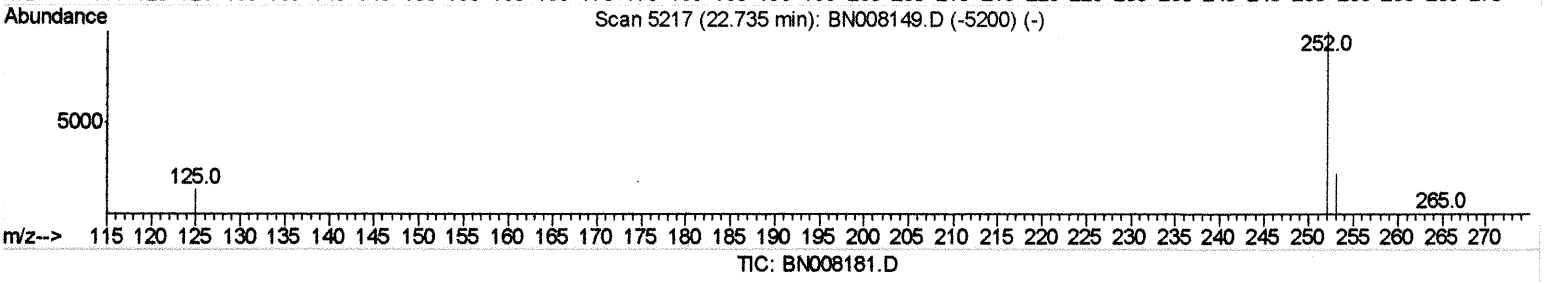
Quant Time: Oct 16 04:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(21) Benzo(b)fluoranthene

22.735min (-0.009) 17.23ng/ul

response 803397

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	22.80
125.00	16.20	10.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 16 04:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
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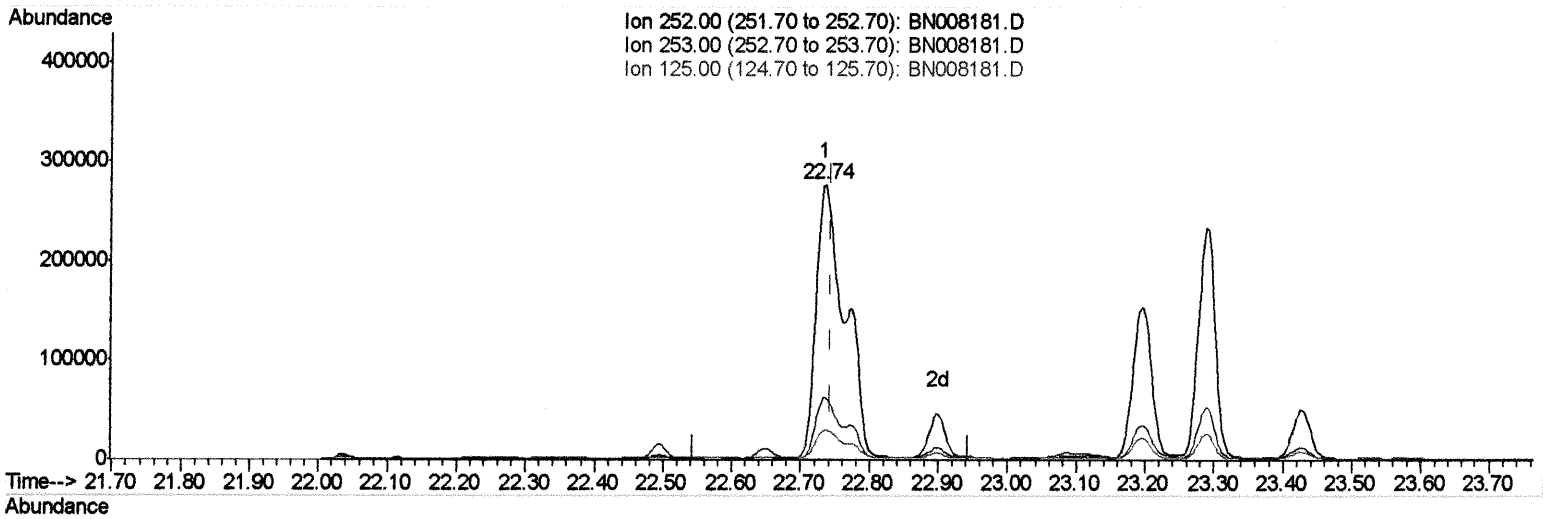
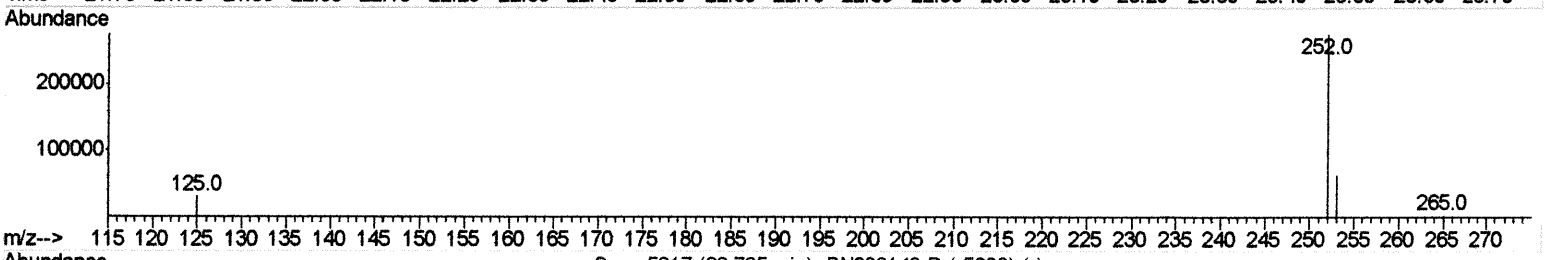
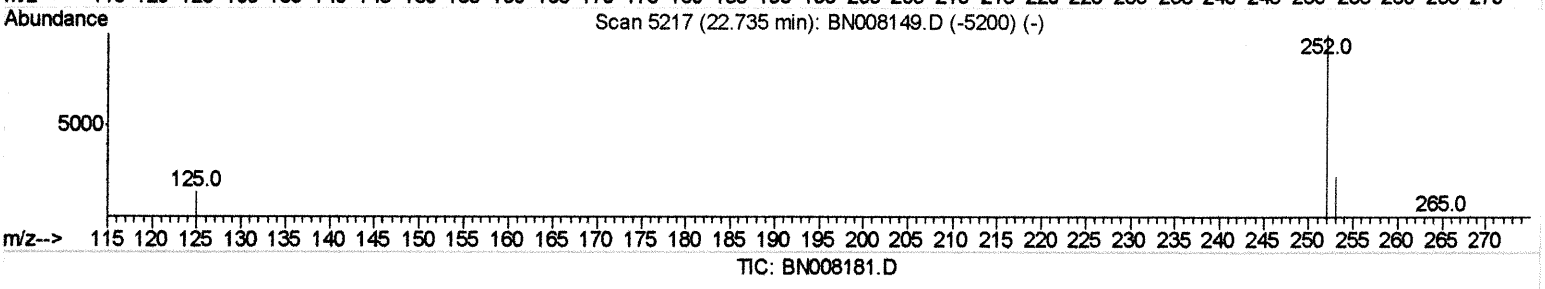






TIC: BN008181.D

(21) Benzo(b)fluoranthene

22.735min (-0.009) 13.19ng/ul m

response 614809

JU 10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	22.80
125.00	16.20	10.89
0.00	0.00	0.00

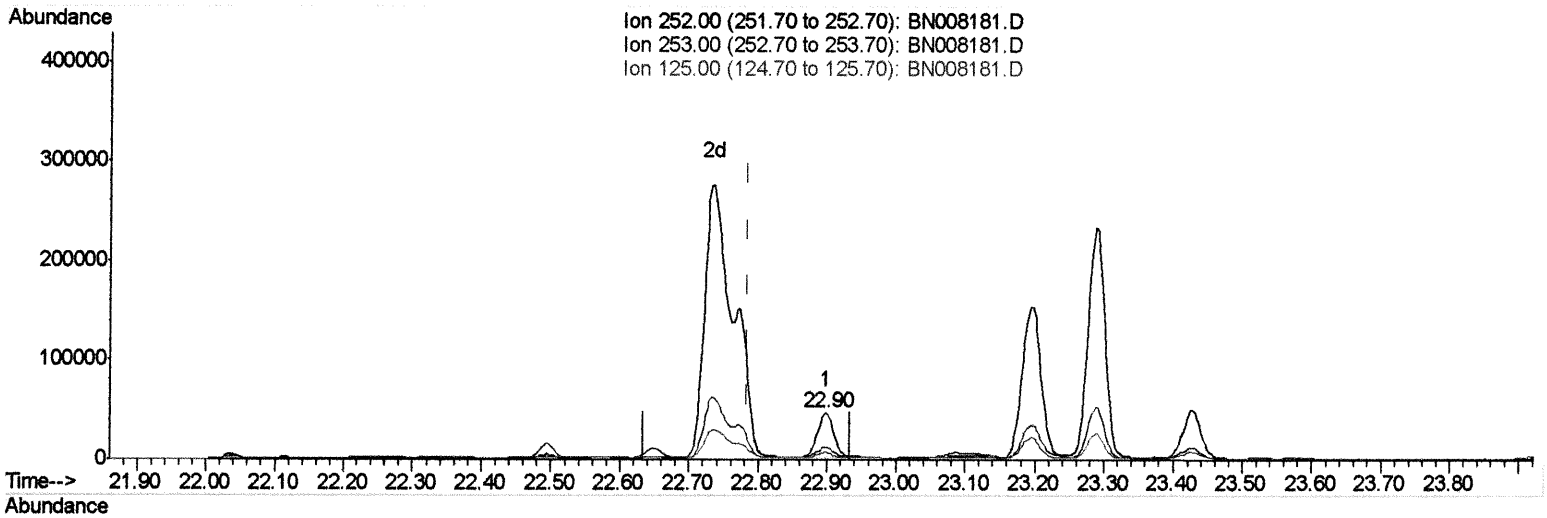
Quantitation Report (Qedit)

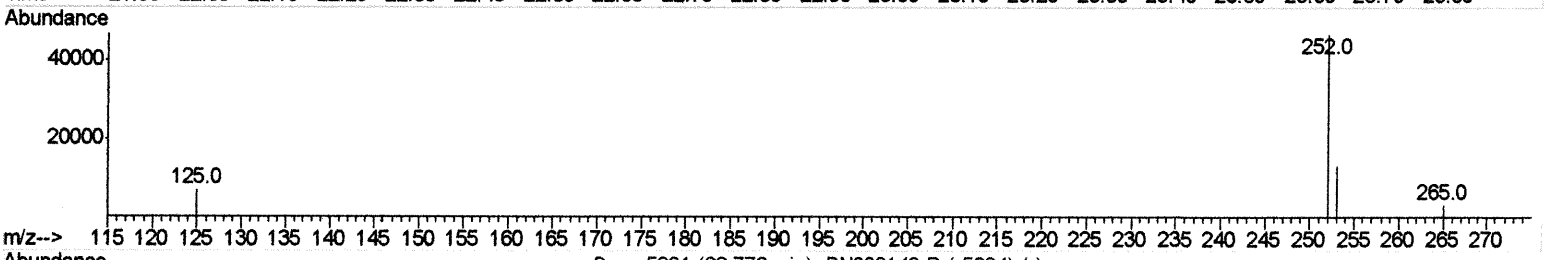
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

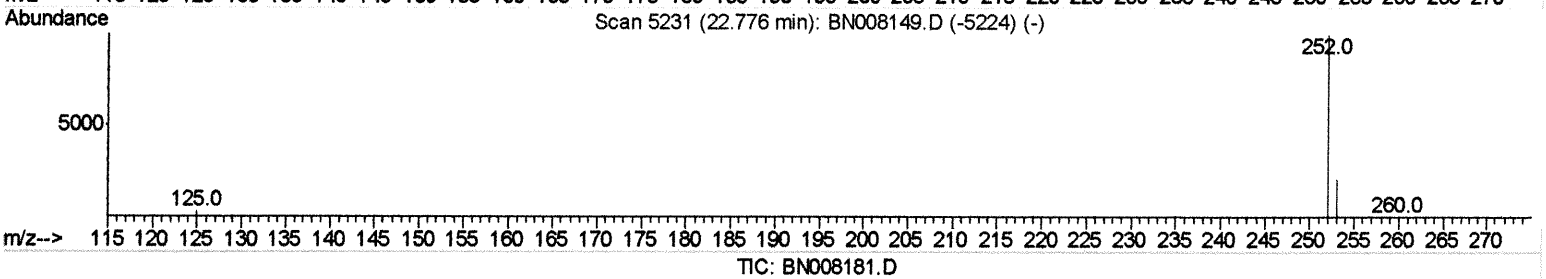
Quant Time: Oct 16 04:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(22) Benzo(k)fluoranthene

22.899min (+0.114) 1.34ng/ul

response 70955

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.69
125.00	15.40	15.21
0.00	0.00	0.00

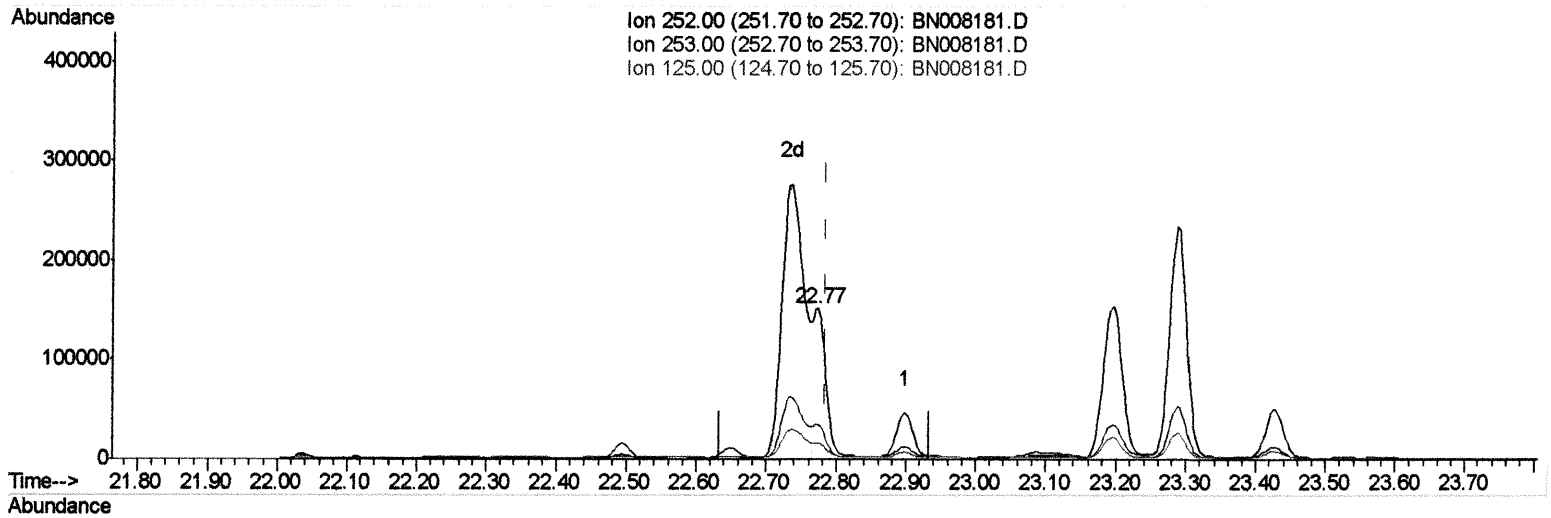
Quantitation Report (Qedit)

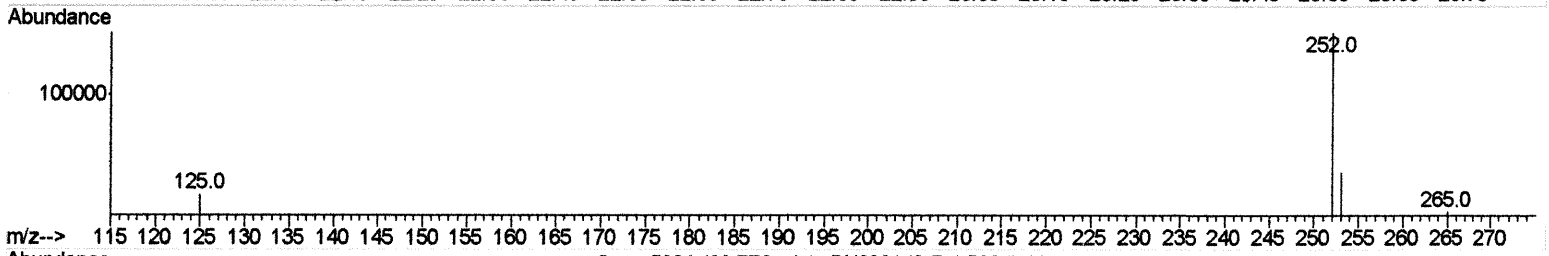
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

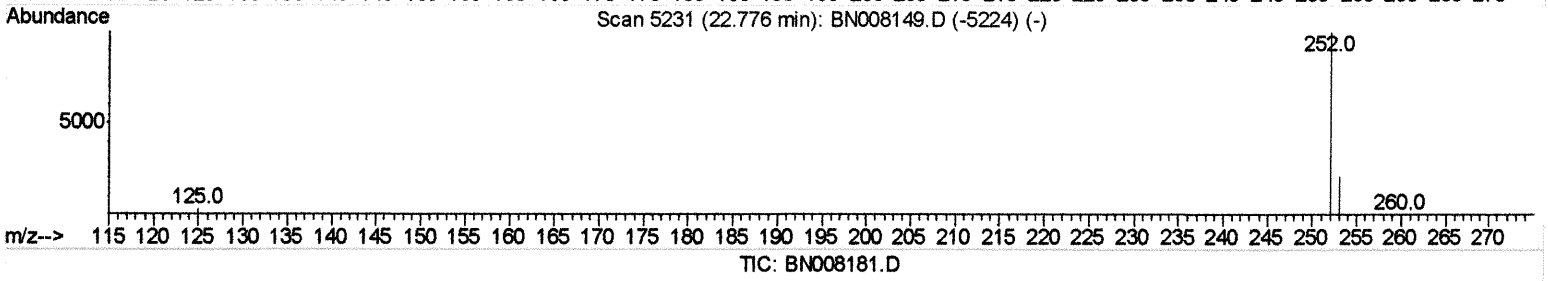
Quant Time: Oct 16 04:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM







TIC: BN008181.D

(22) Benzo(k)fluoranthene

22.773min (-0.012) 3.36ng/ul m

JU 10/21/19

response 177251

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.43
125.00	15.40	11.15#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008181.D
Acq On : 15 Oct 2019 19:50
Operator : JU
Sample : K5175-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP89

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:19 PM

Quant Time: Oct 16 04:16:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2211	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	10685	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.25	164	6694	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	15599m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	15904m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	14323m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	4117	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	12735m	0.24	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.43	128	6238	0.205	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	3006	0.144	ng/ul	99
7) Acenaphthylene	13.96	152	19210	0.602	ng/ul	99
8) Acenaphthene	14.31	153	8438	0.340	ng/ul	99
9) Fluorene	15.30	166	11746	0.417	ng/ul	97
12) Phenanthrene	17.03	178	272980m	5.977	ng/ul	
13) Anthracene	17.13	178	54482m	1.356	ng/ul	
15) Fluoranthene	19.06	202	786333m	13.036	ng/ul	
17) Pyrene	19.42	202	746883	11.794	ng/ul	98
18) Benzo(a)anthracene	21.18	228	447276m	7.735	ng/ul	
19) Chrysene	21.23	228	496207	6.993	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	614809m	13.186	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	177251m	3.356	ng/ul	
23) Benzo(a)pyrene	23.29	252	396976	8.091	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.55	276	229775	3.976	ng/ul	99
25) Dibenzo(a,h)anthracene	25.55	278	57665	1.262	ng/ul	99
26) Benzo(g,h,i)perylene	26.21	276	189020	3.567	ng/ul	99

JU 10/21/19

JU 10/21/19

JU 10/21/19

JU 10/21/19

JU 10/4/19

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