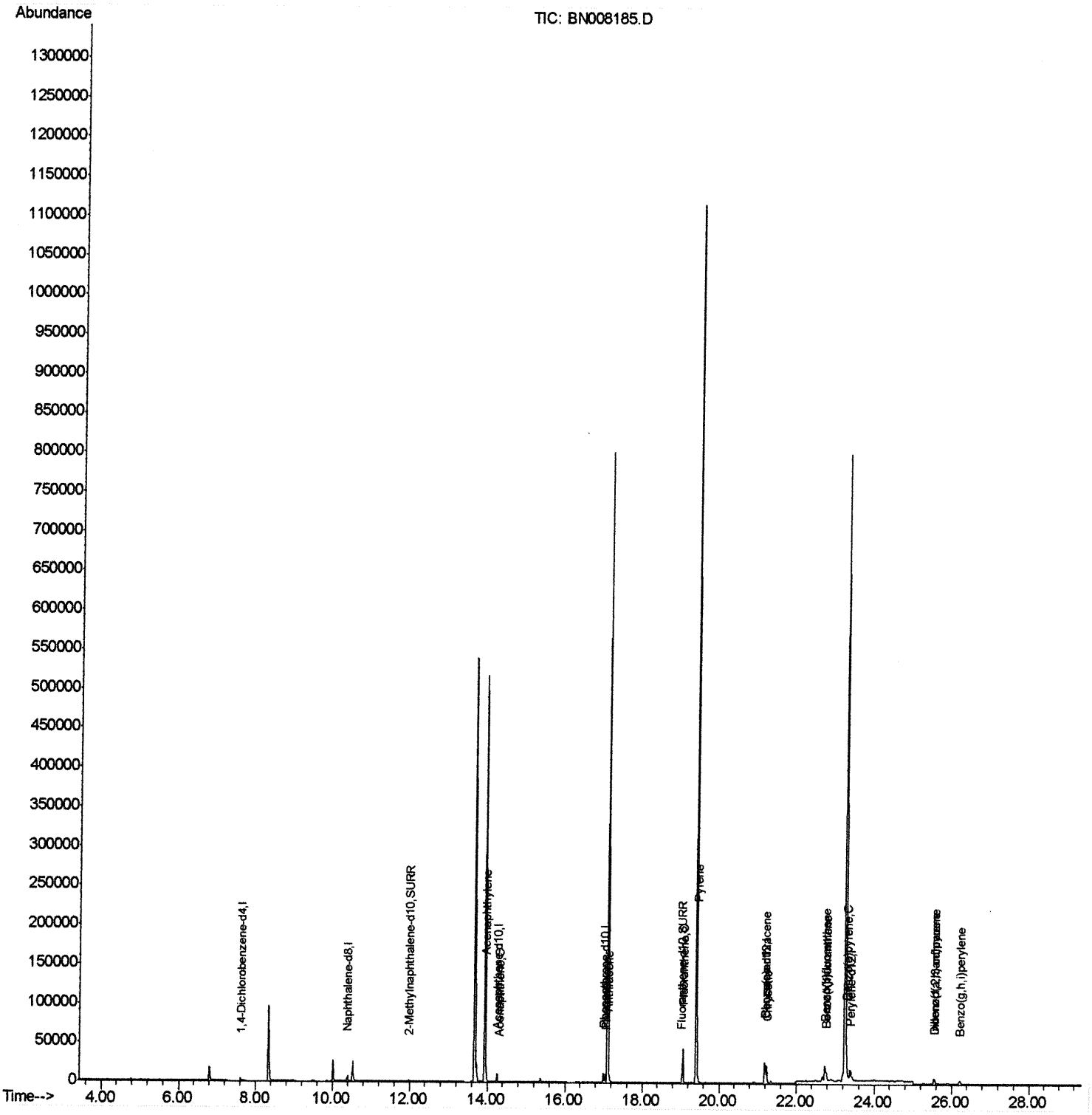
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:55:10 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM

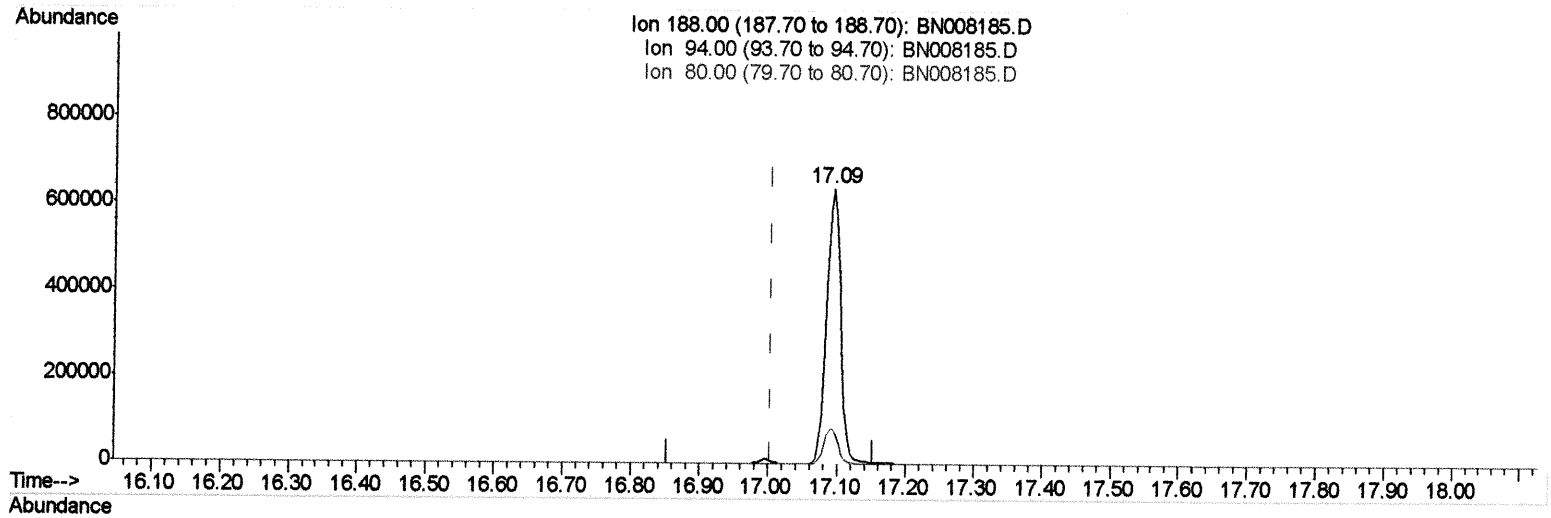


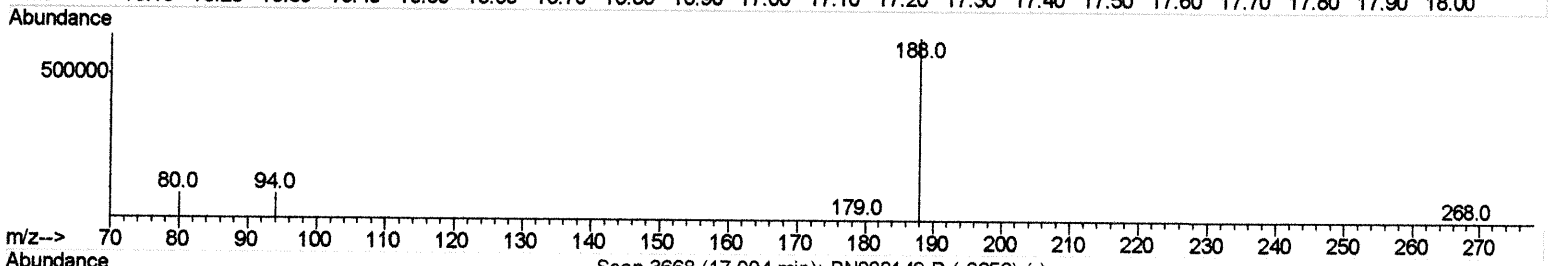
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

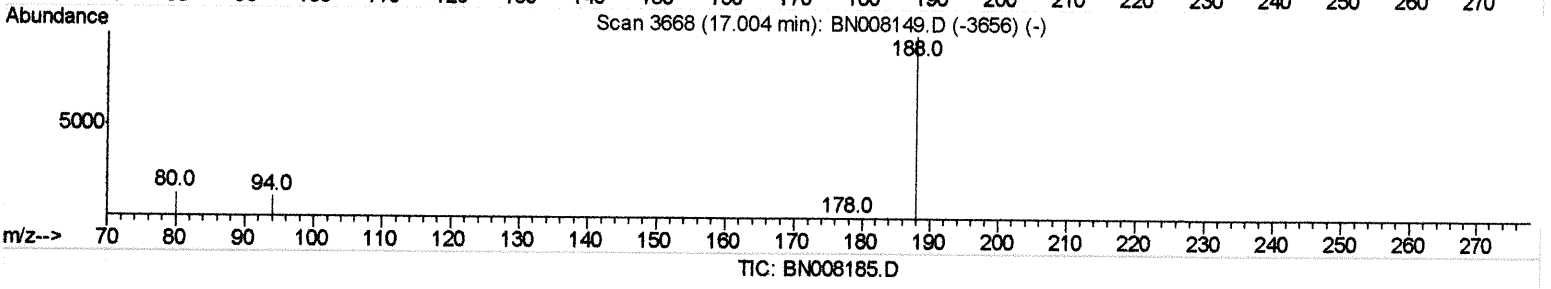
Quant Time: Oct 16 03:43:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







(10) Phenanthrene-d10 (I)

17.093min (+0.088) 0.40ng/ul

response 897946

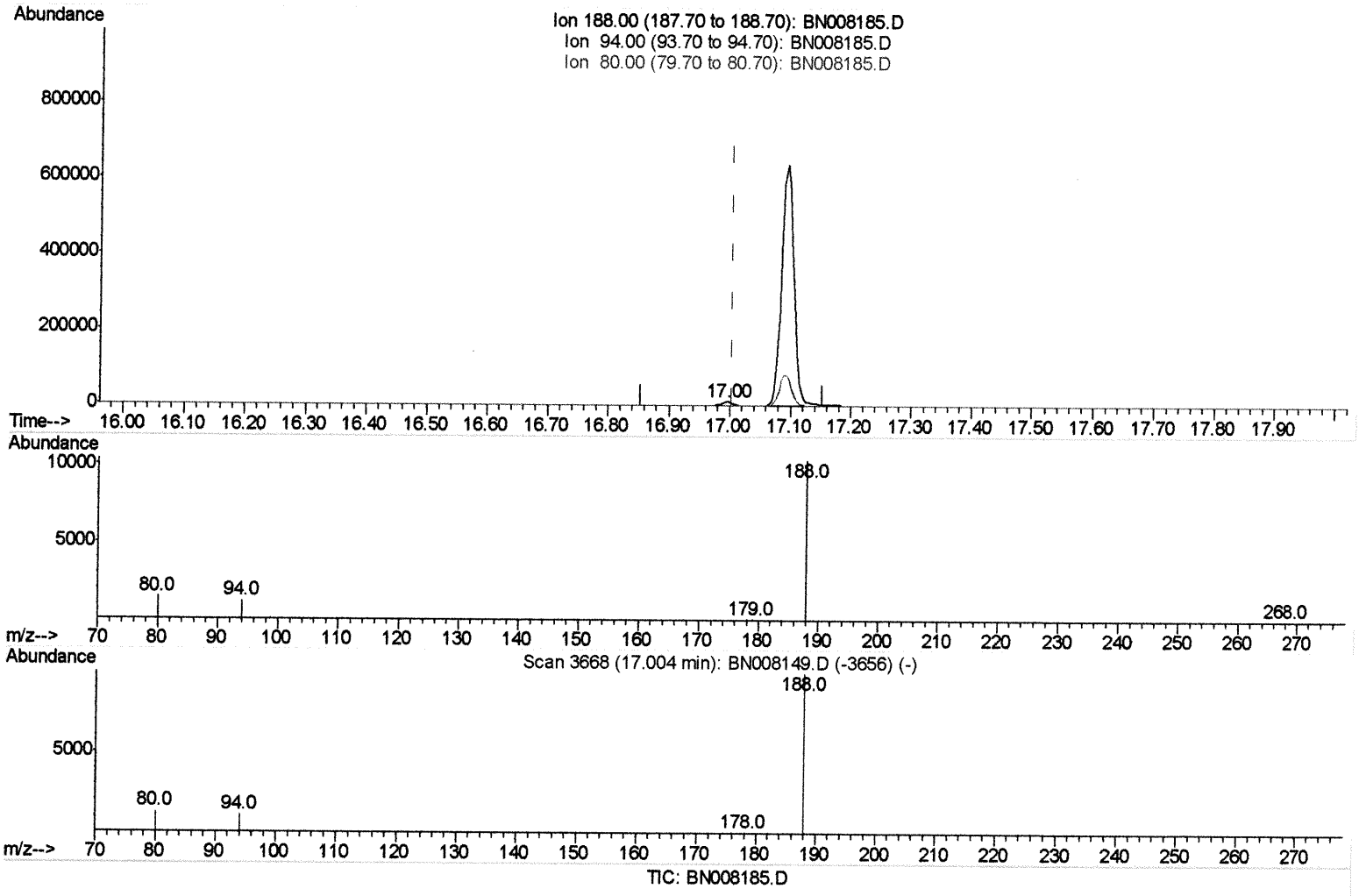
Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.97
80.00	12.60	12.76
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 03:43:32 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(10) Phenanthrene-d10 (I)

16.996min (-0.009) 0.40ng/ul m

response 14378

JU 10/21/19

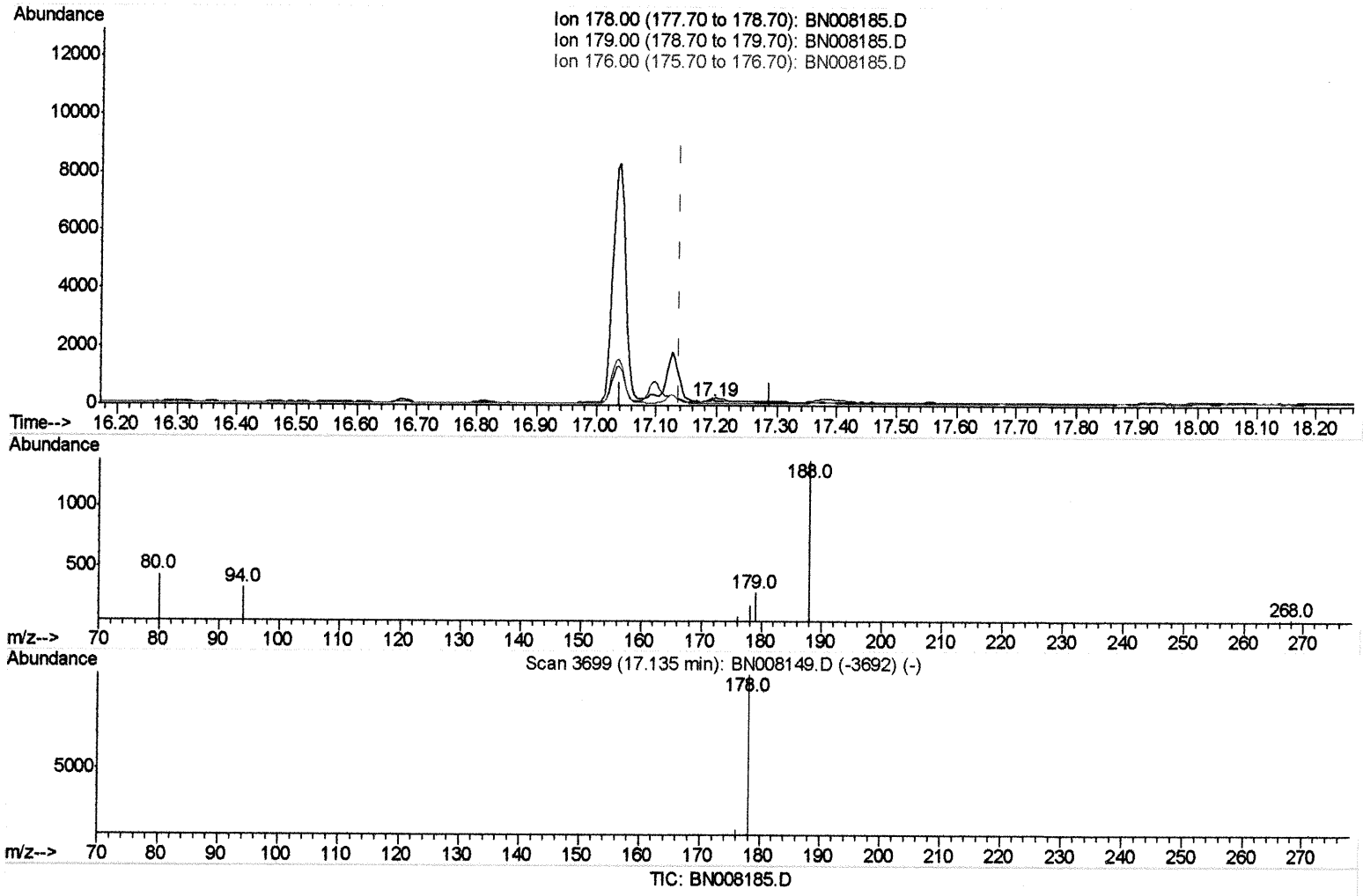
Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.57
80.00	12.60	13.81
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:49:07 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(13) Anthracene

17.194min (+0.055) 0.00ng/ul

response 126

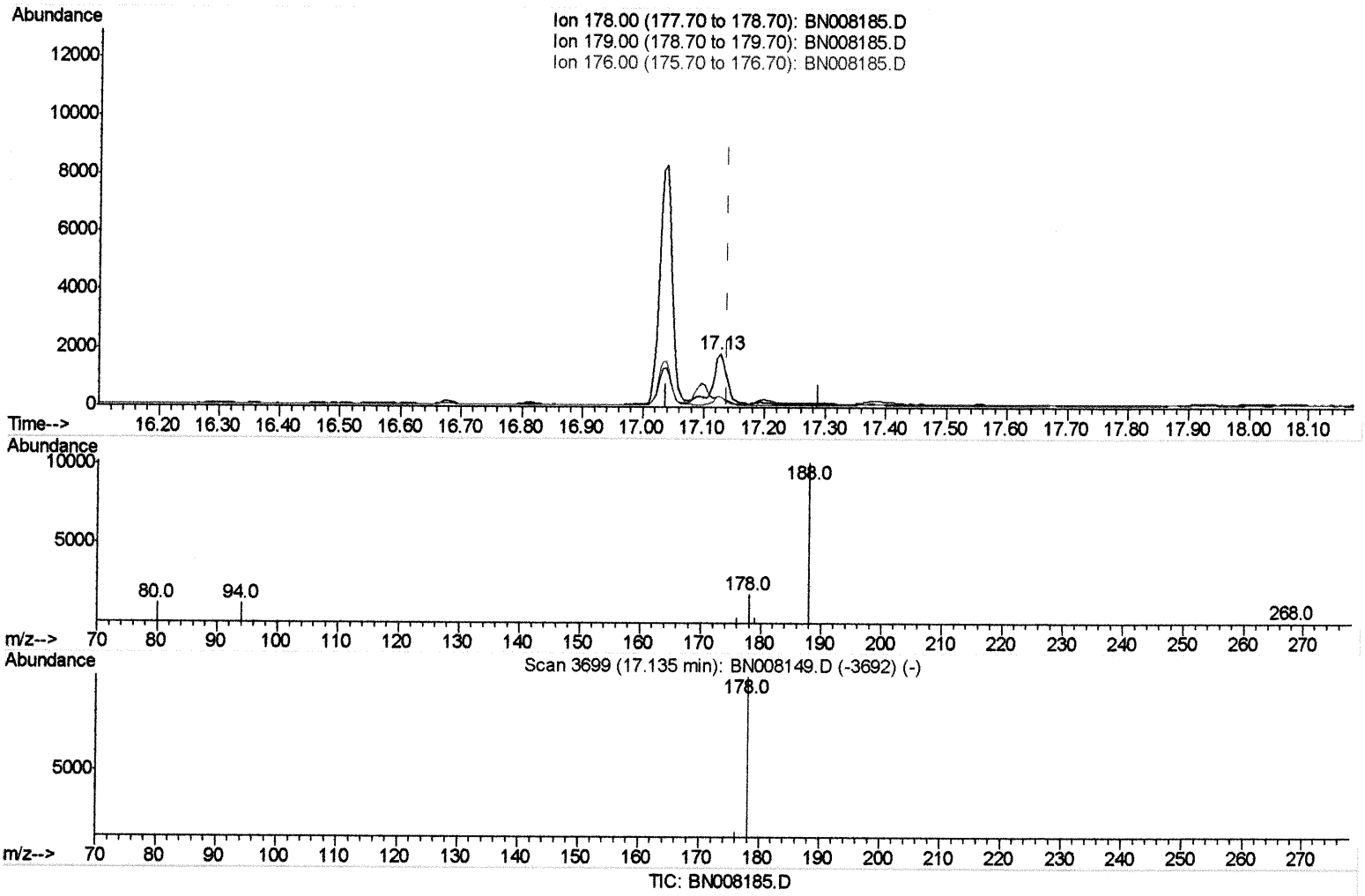
Ion	Exp%	Act%
178.00	100	100
179.00	16.30	156.04#
176.00	18.80	49.45#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:49:07 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(13) Anthracene

17.127min (-0.013) 0.07ng/ul m

JU 10/21/19

response 2551

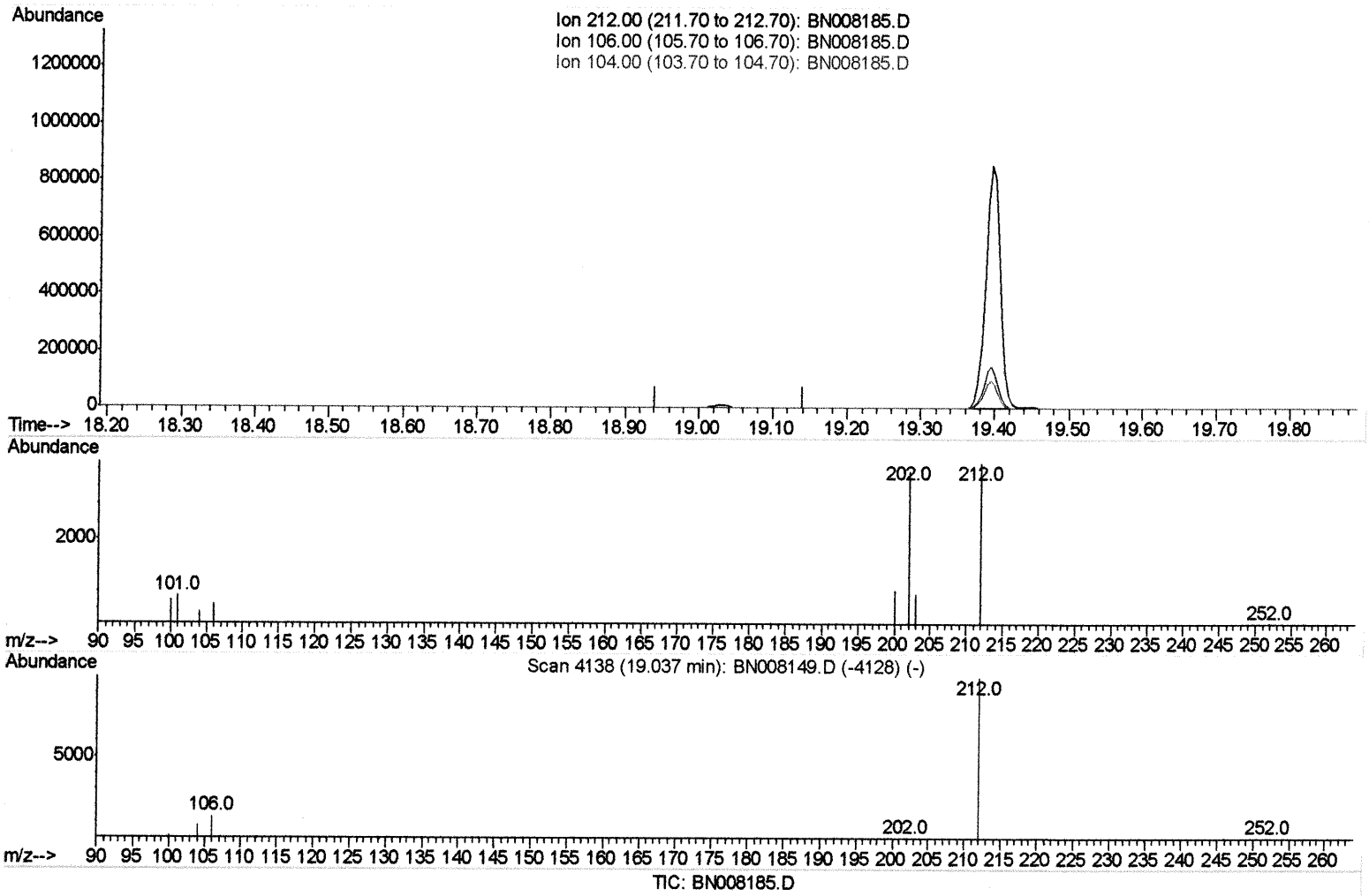
Ion	Exp%	Act%
178.00	100	100
179.00	16.30	21.09#
176.00	18.80	21.14
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:49:07 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 0.00ng/ul

response 0

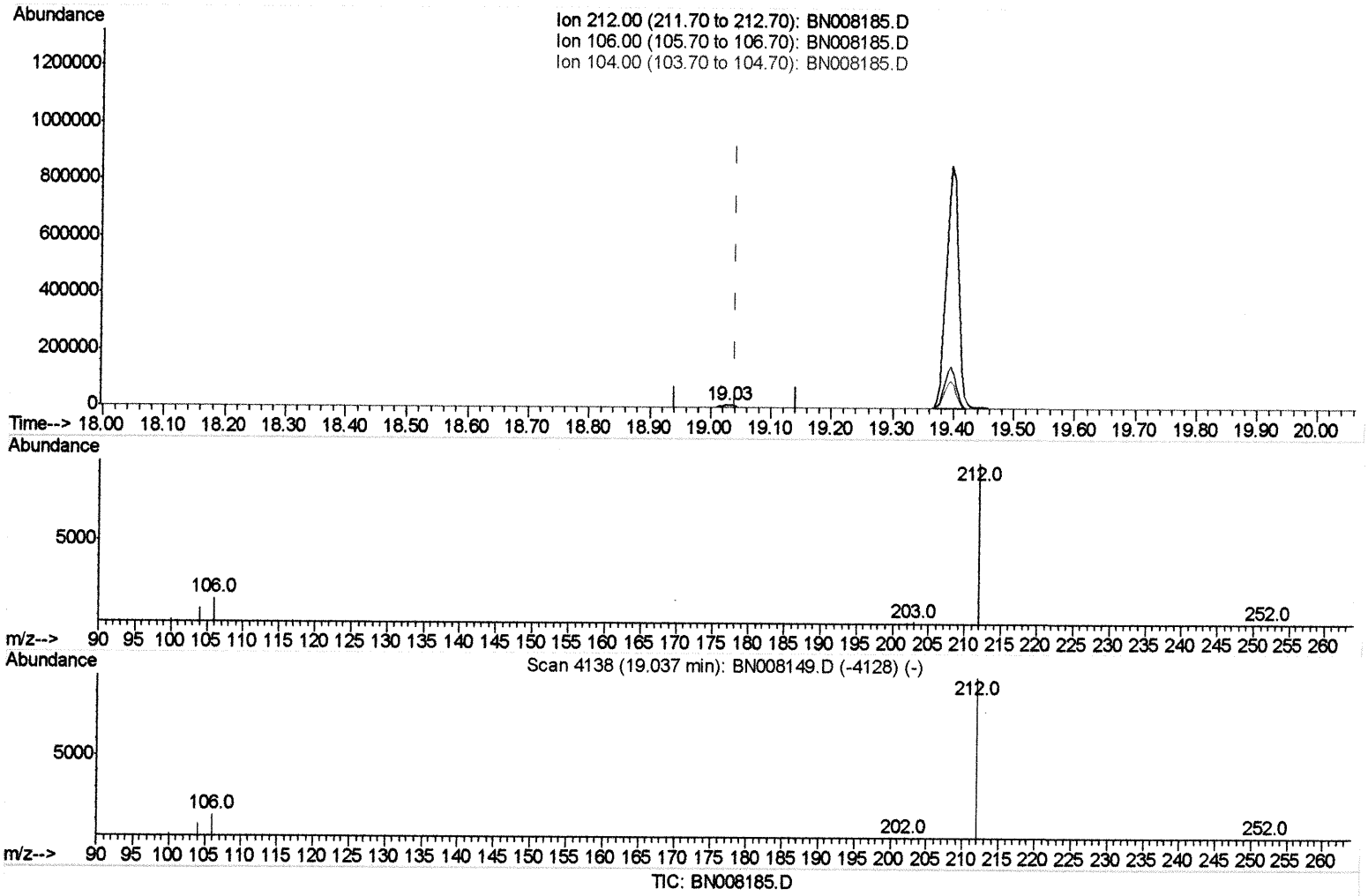
Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:49:07 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(14) Fluoranthene-d10 (SURR)

19.028min (-0.014) 0.27ng/ul m

response 13414

JU 10/21/19

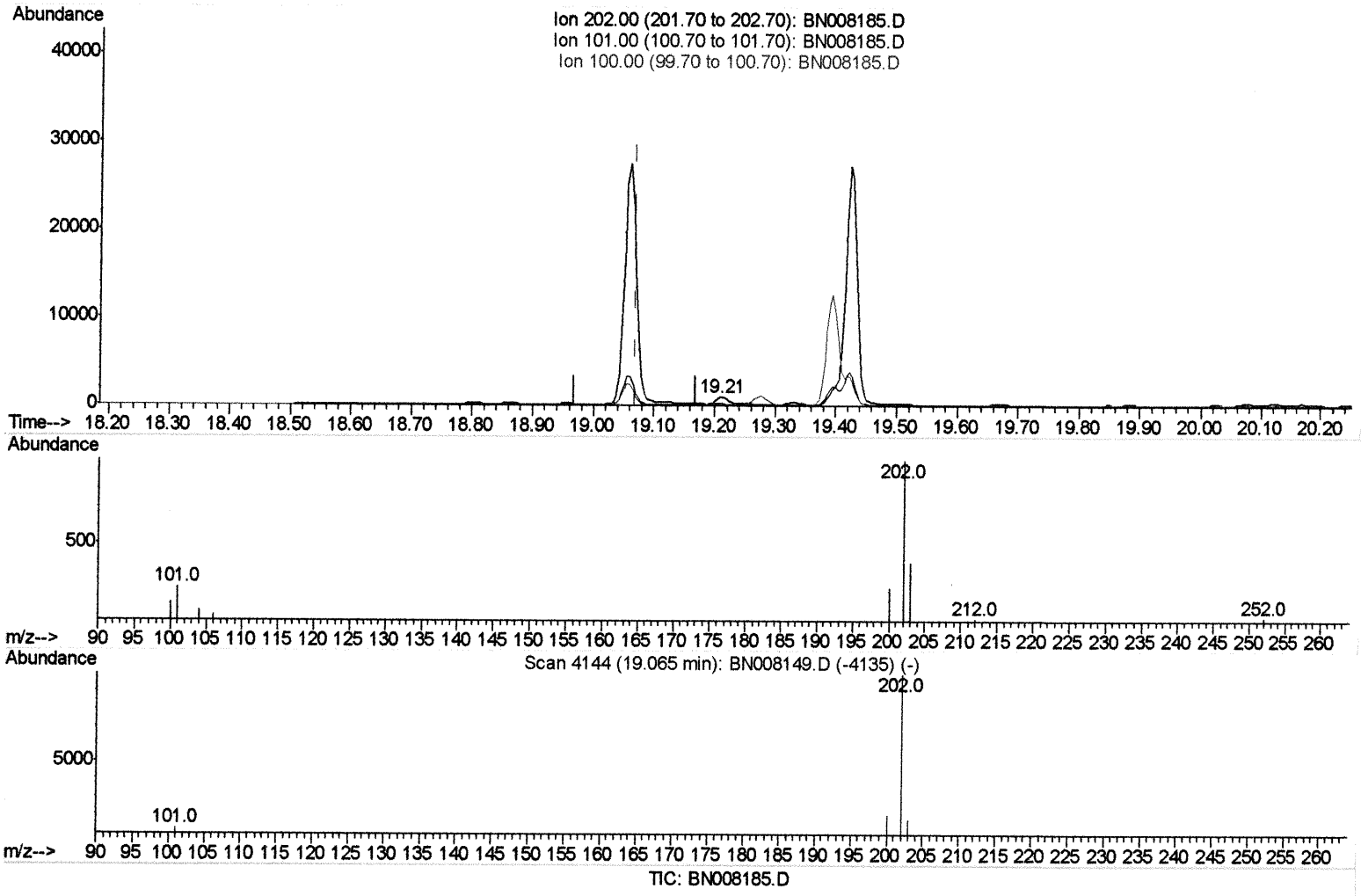
Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:49:07 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



TIC: BN008185.D

(15) Fluoranthene (C)

19.209min (+0.139) 0.02ng/ul

response 1064

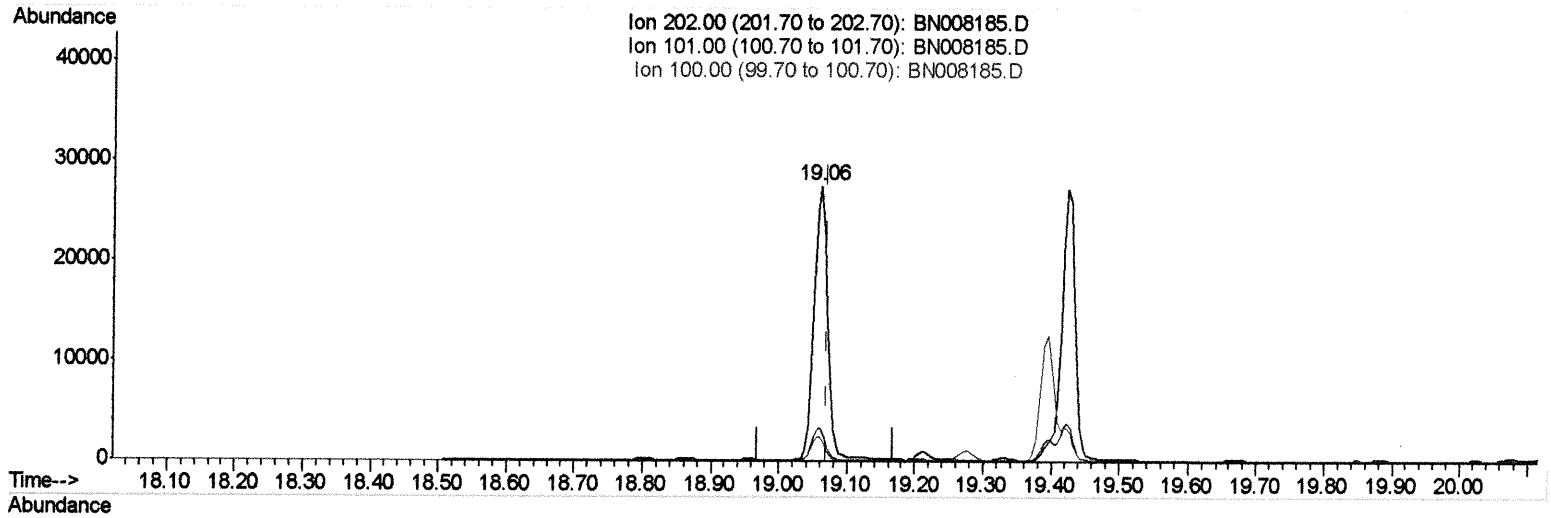
Ion	Exp%	Act%
202.00	100	100
101.00	11.20	26.42
100.00	8.50	17.62
0.00	0.00	0.00

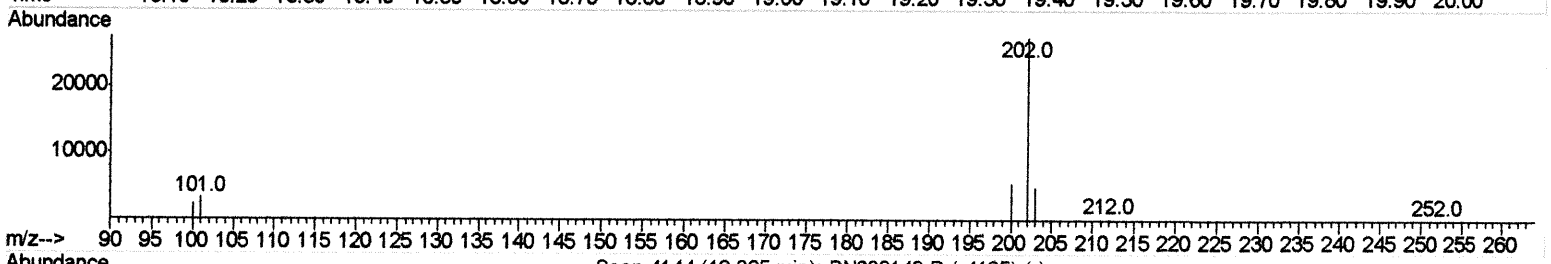
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

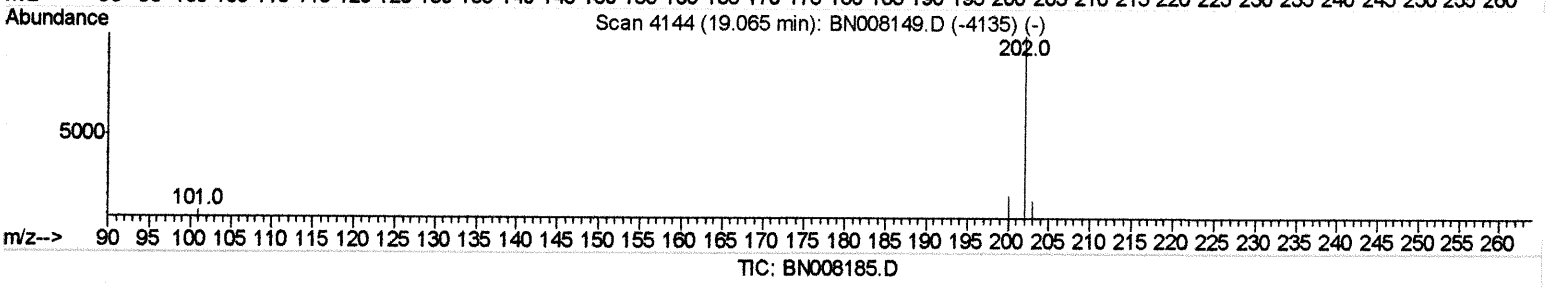
Quant Time: Oct 16 04:49:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(15) Fluoranthene (C)

19.060min (-0.009) 0.67ng/ul m JU 10/21/19

response 37447

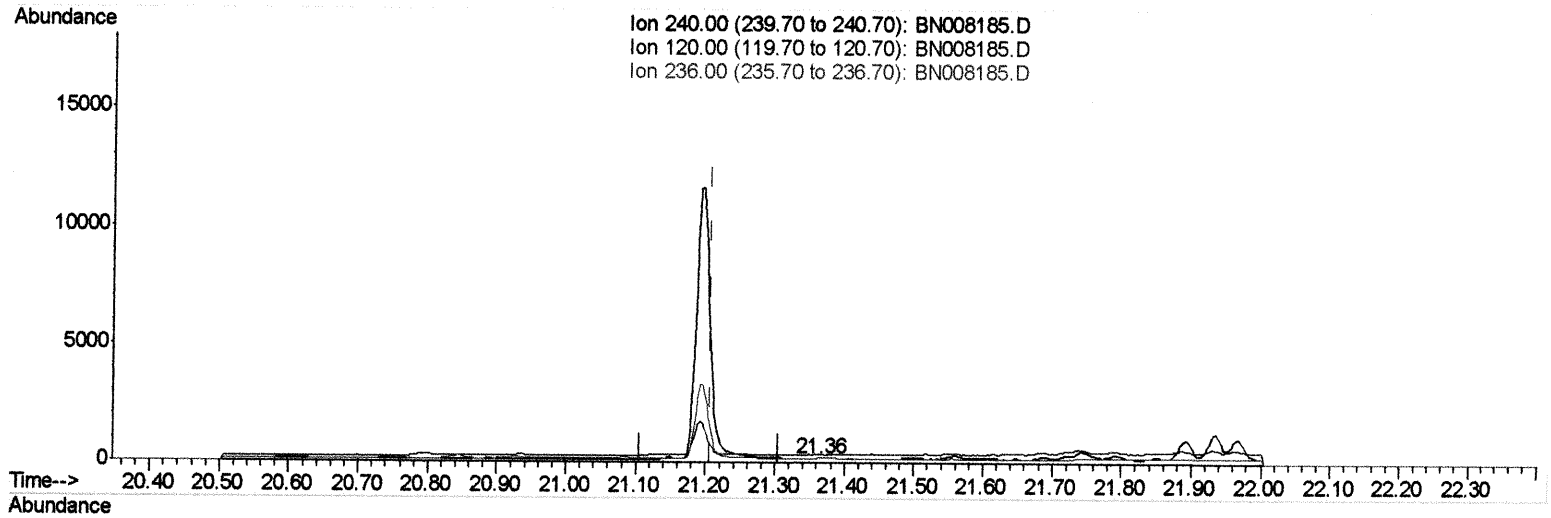
Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.80
100.00	8.50	8.74
0.00	0.00	0.00

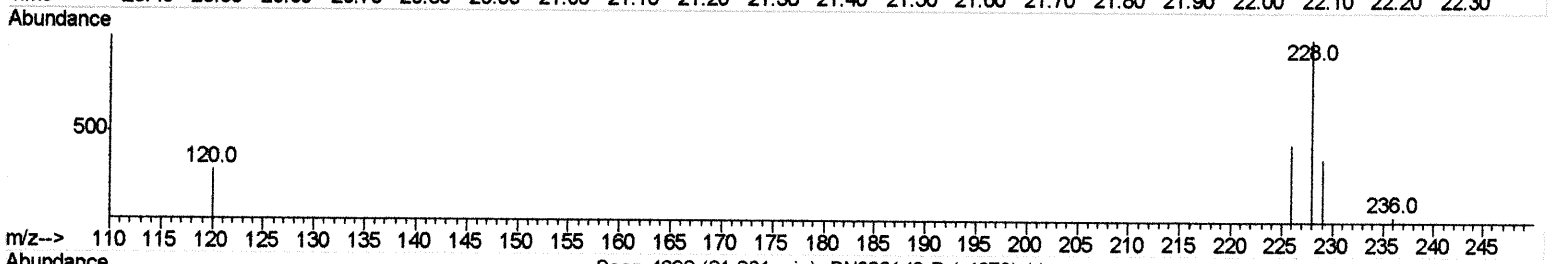
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

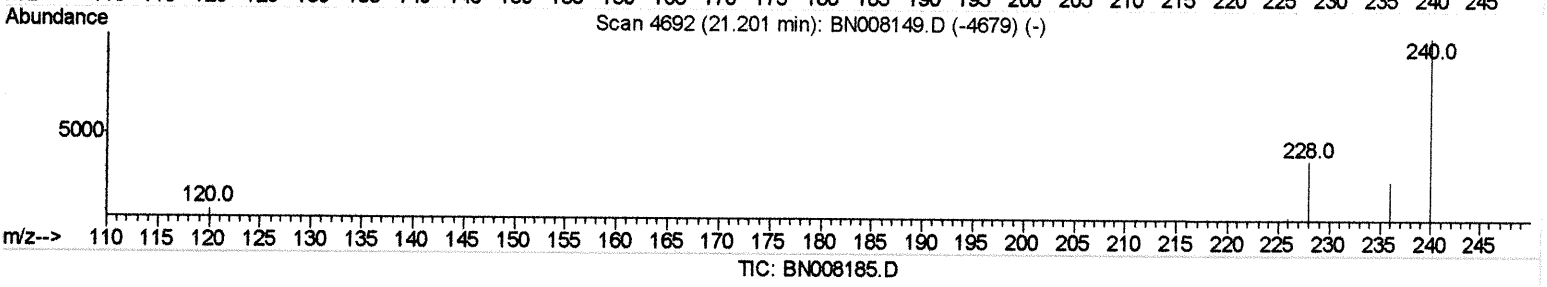
Quant Time: Oct 16 04:49:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







(16) Chrysene-d12 (I)

21.364min (+0.158) 0.40ng/ul

response 44

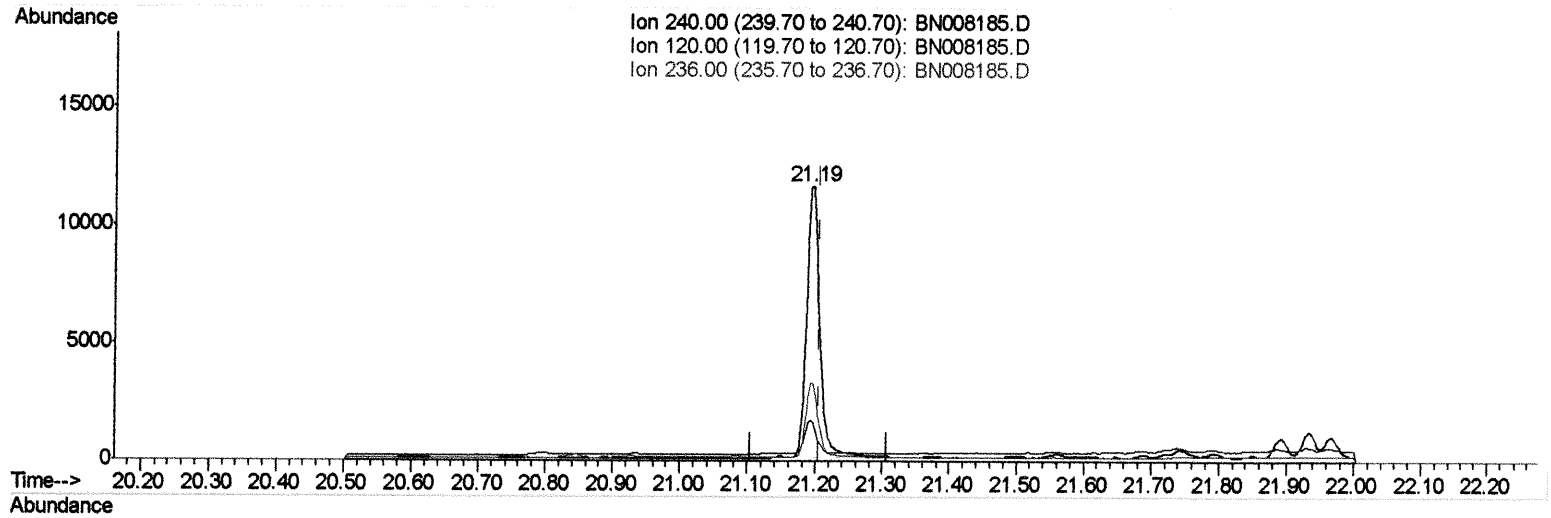
Ion	Exp%	Act%
240.00	100	100
120.00	14.70	204.02#
236.00	28.40	111.49#
0.00	0.00	0.00

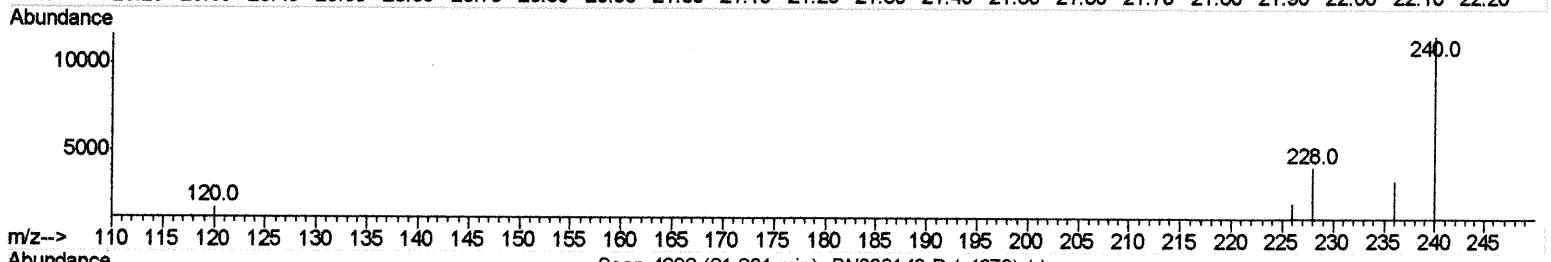
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

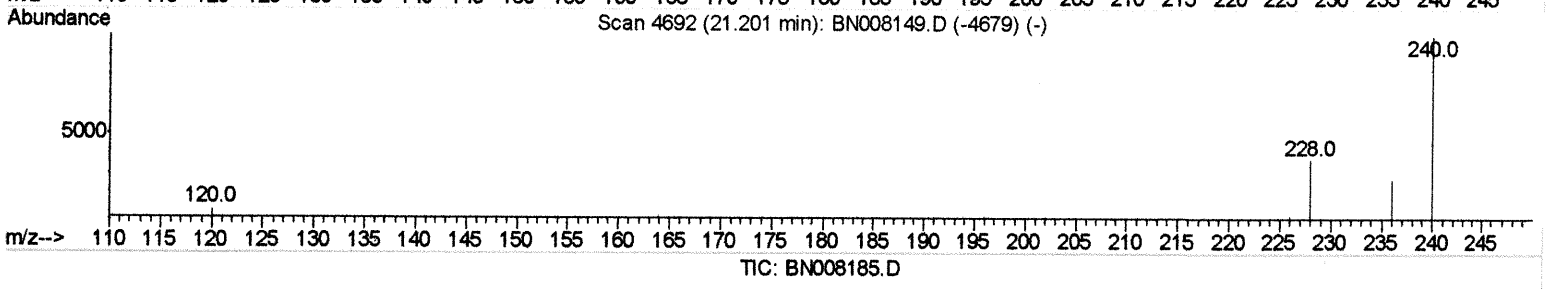
Quant Time: Oct 16 04:49:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(16) Chrysene-d12 (I)

21.195min (-0.012) 0.40ng/ul m JU 10/21/19

response 15779

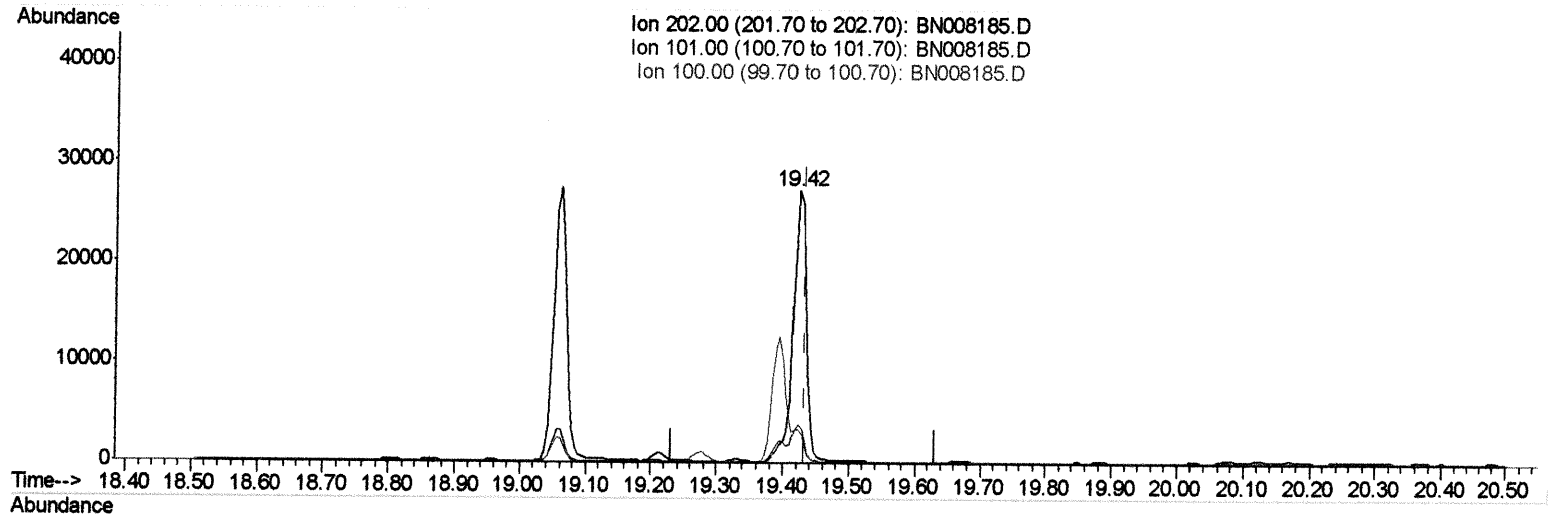
Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.20
236.00	28.40	28.20
0.00	0.00	0.00

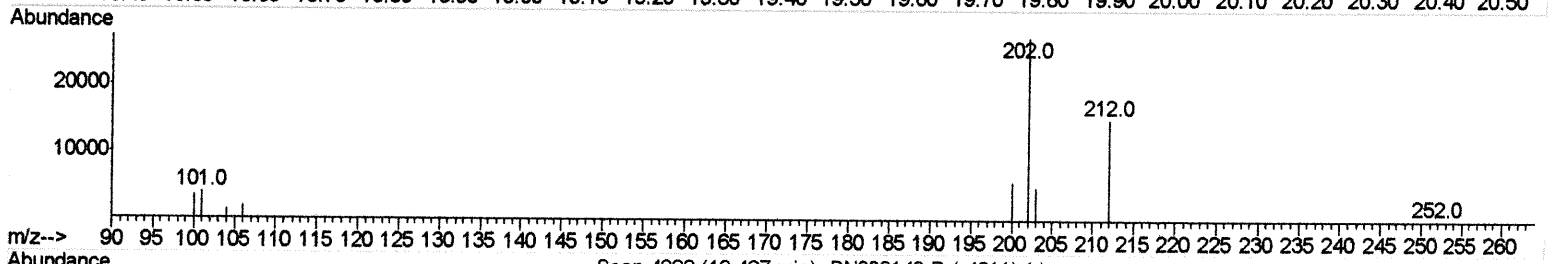
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

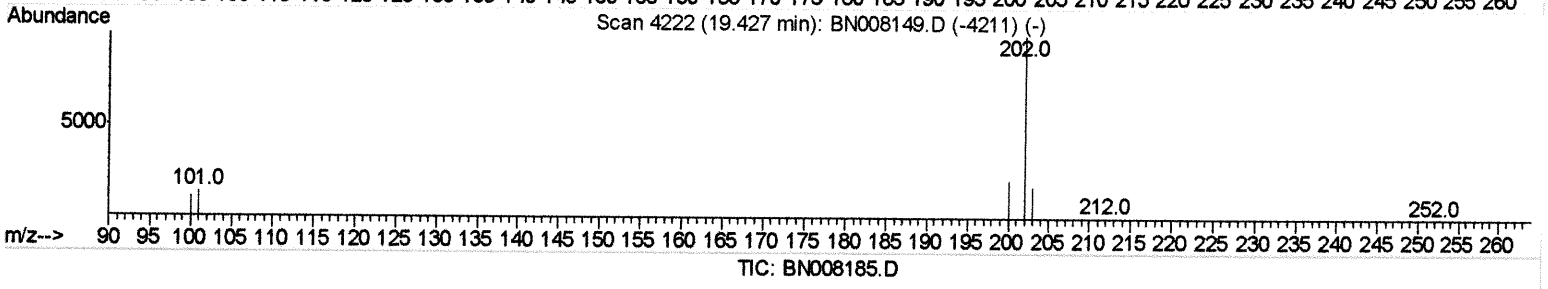
Quant Time: Oct 16 04:50:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(17) Pyrene

19.423min (-0.009) 0.59ng/ul

response 37204

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.41
100.00	10.90	12.43
0.00	0.00	0.00

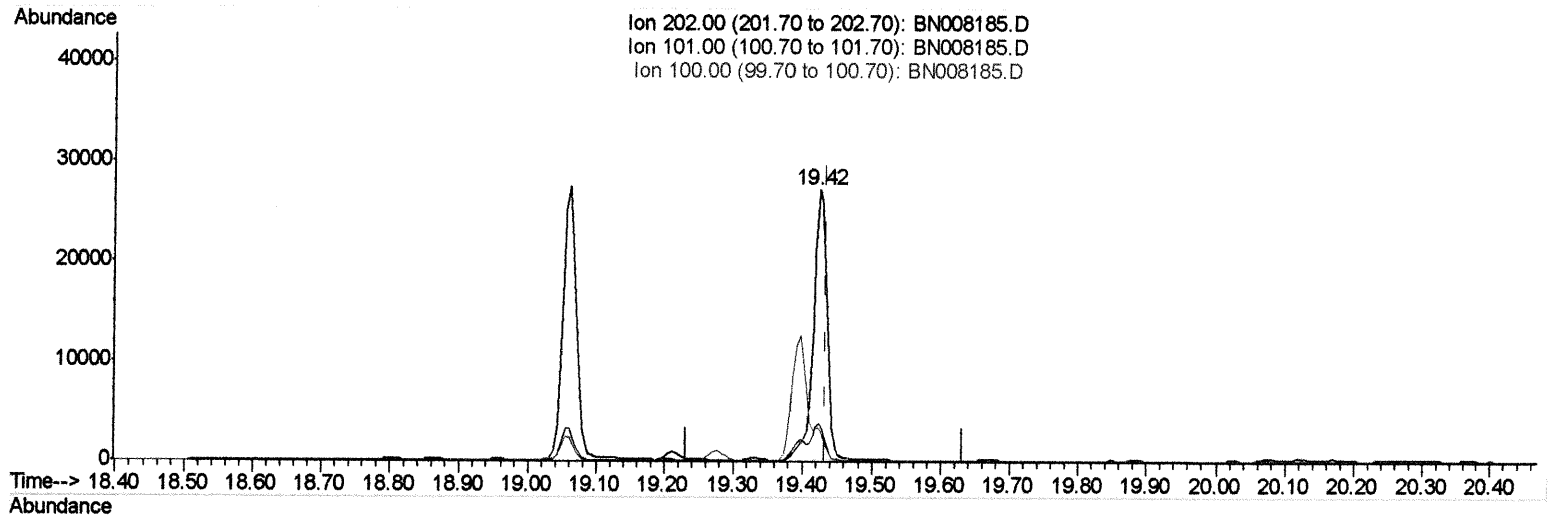
Quantitation Report (Qual)

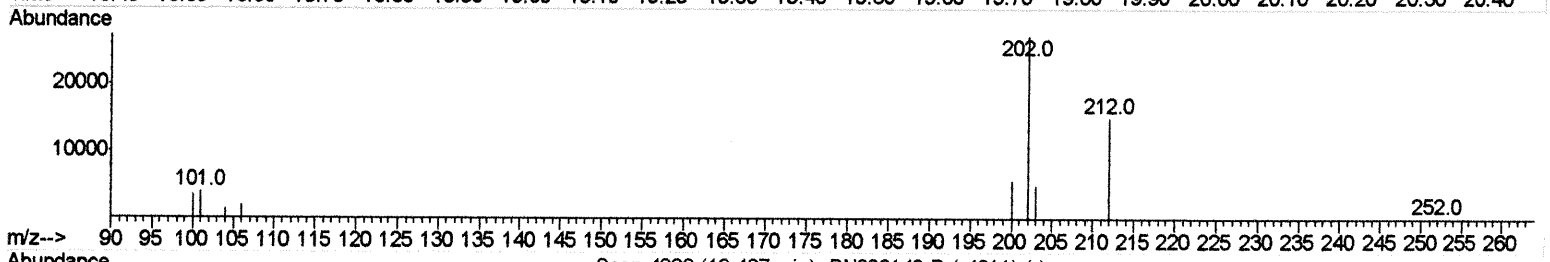
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

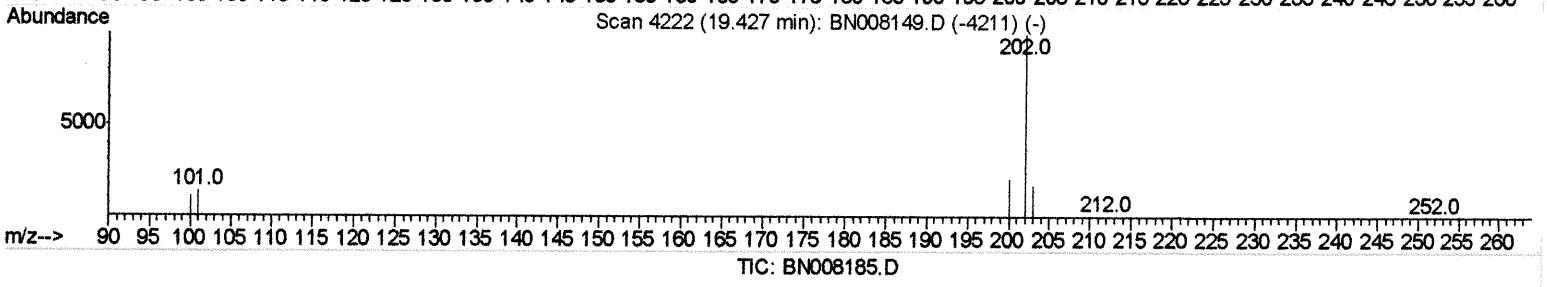
Quant Time: Oct 16 04:50:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(17) Pyrene

19.423min (-0.009) 0.56ng/ul m

10/21/19

response 34911

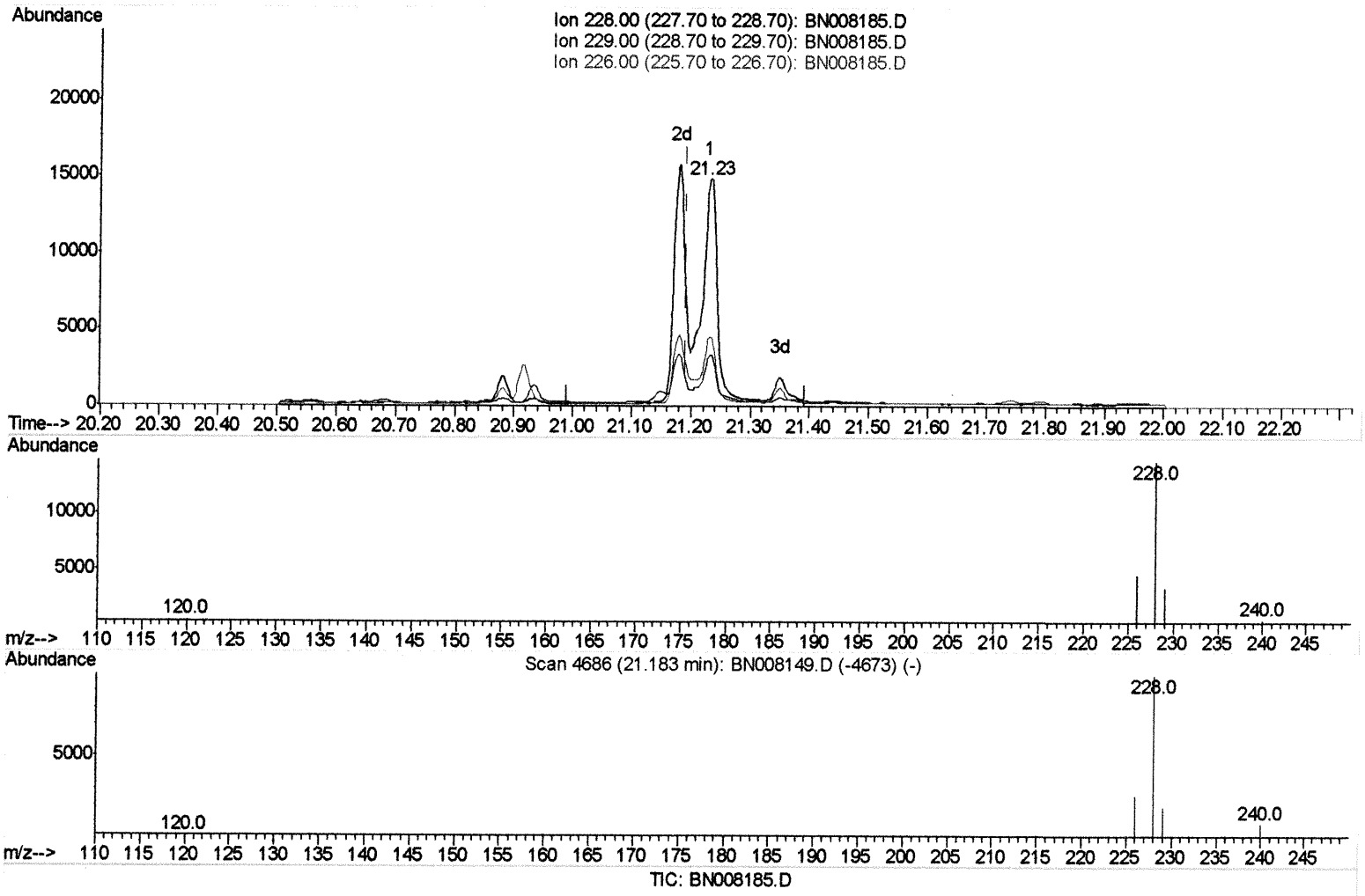
Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.41
100.00	10.90	12.43
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:50:51 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(18) Benzo(a)anthracene

21.230min (+0.038) 0.43ng/ul

response 24445

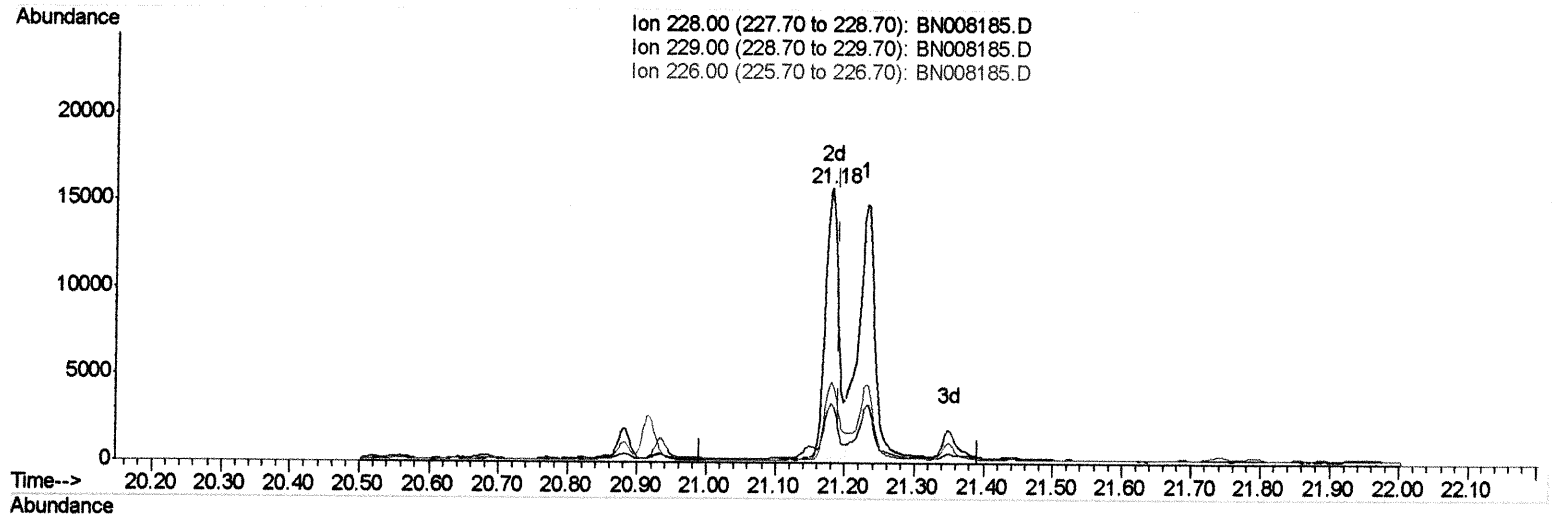
Ion	Exp%	Act%
228.00	100	100
229.00	20.20	22.49
226.00	26.70	30.46
0.00	0.00	0.00

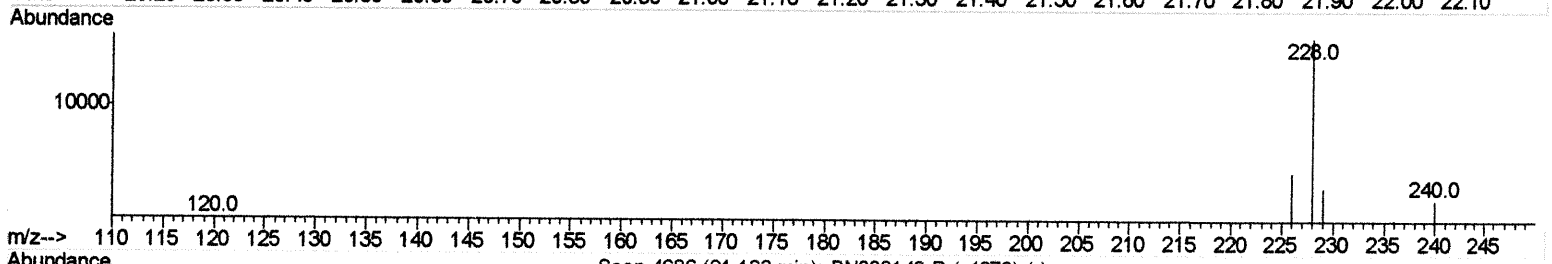
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

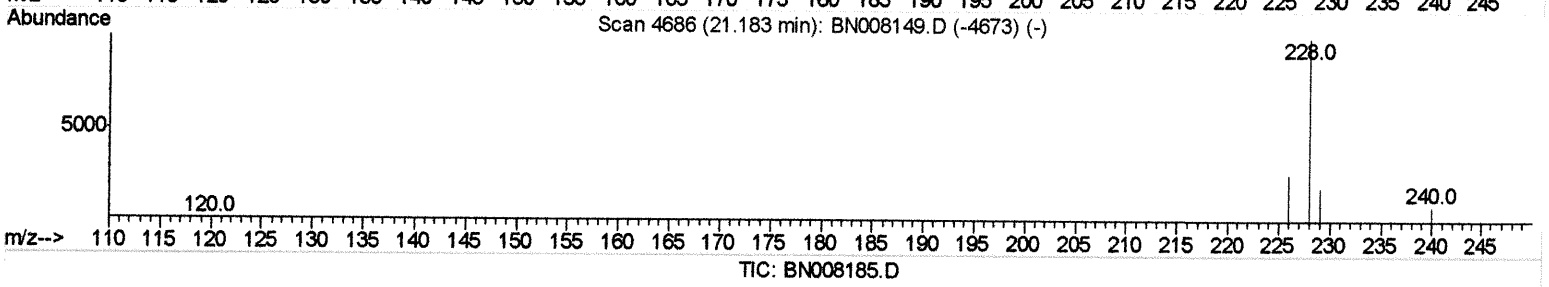
Quant Time: Oct 16 04:50:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(18) Benzo(a)anthracene

21.180min (-0.012) 0.36ng/ul m

JU 10/21/19

response 20529

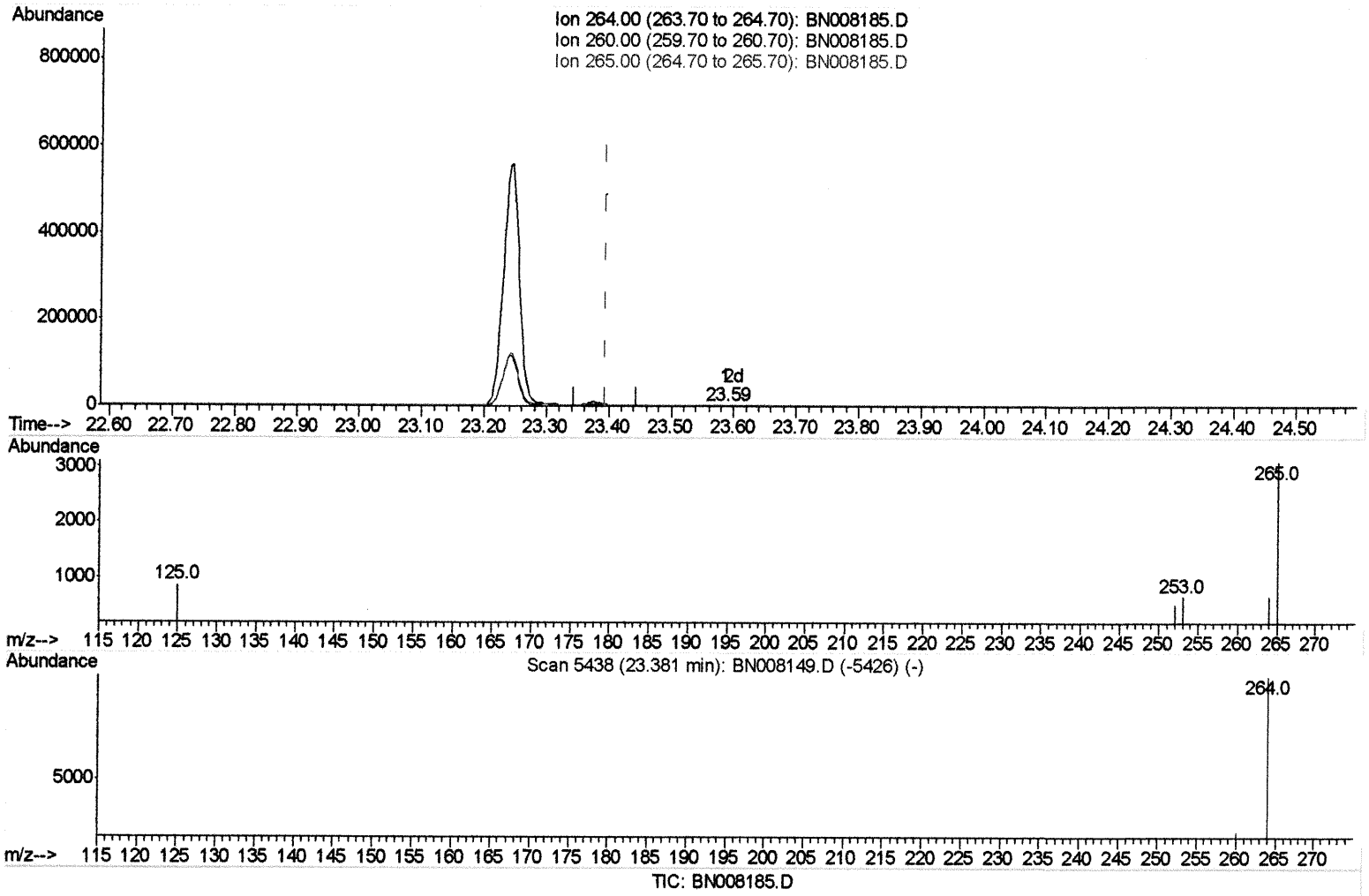
Ion	Exp%	Act%
228.00	100	100
229.00	20.20	21.72
226.00	26.70	29.59
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:50:51 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



(20) Perylene-d12 (I)

23.589min (+0.194) 0.40ng/ul

response 14

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	30.13
265.00	74.00	450.22#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:50:51 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 :
BEPG0

Manual Integrations APPROVED
mohammad
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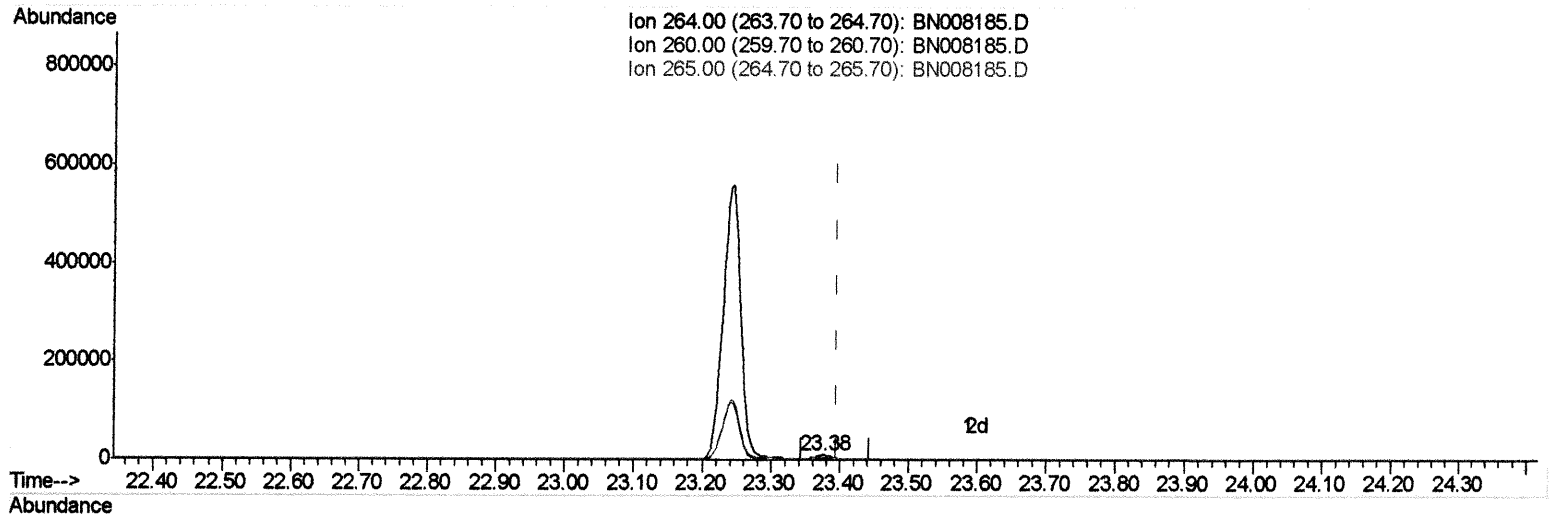
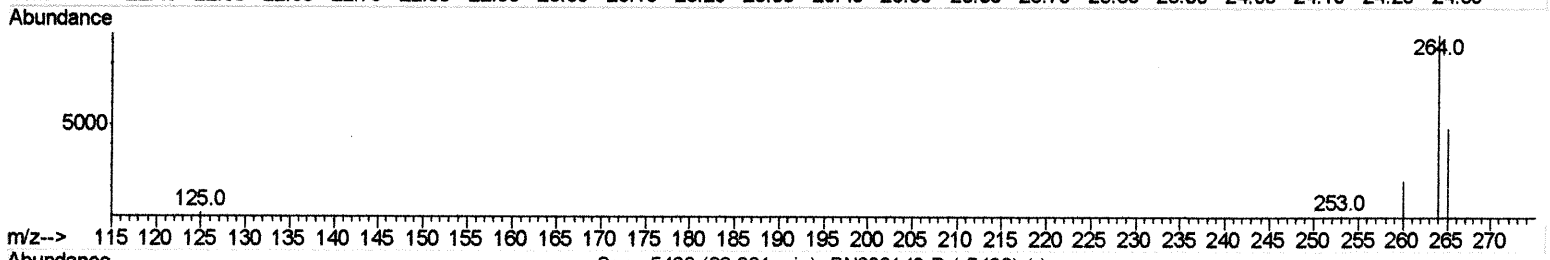
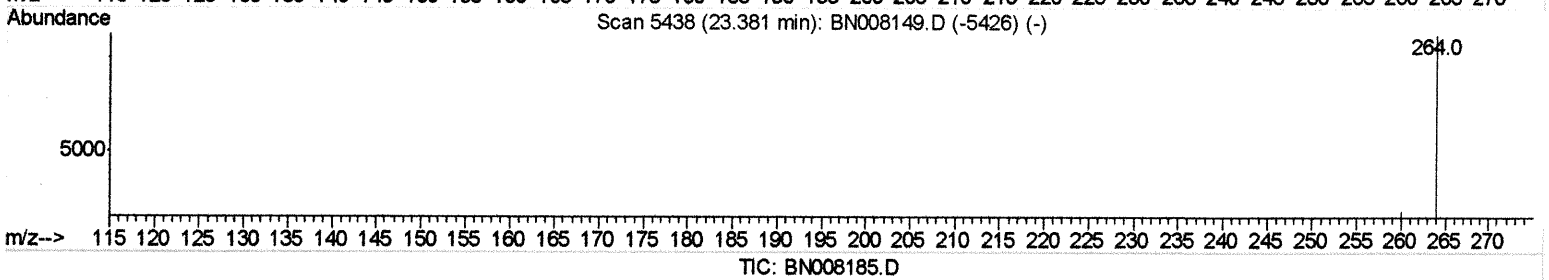






(20) Perylene-d12 (I)

23.375min (-0.020) 0.40ng/ul m

response 12326

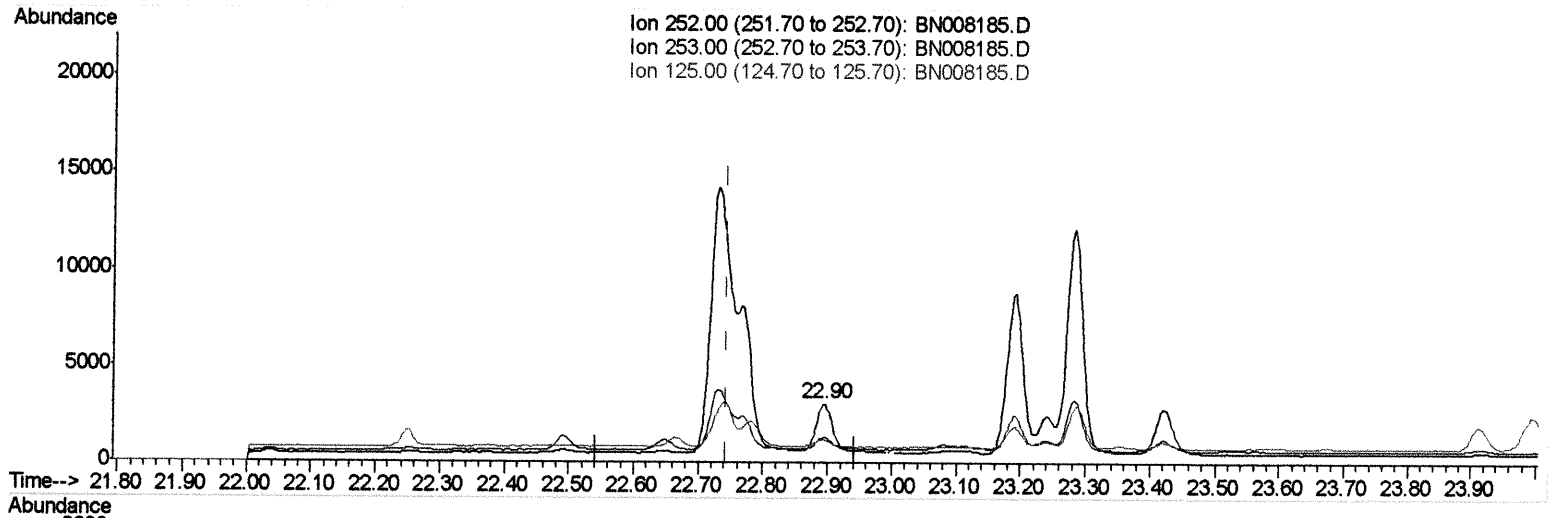
Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.91
265.00	74.00	52.22#
0.00	0.00	0.00

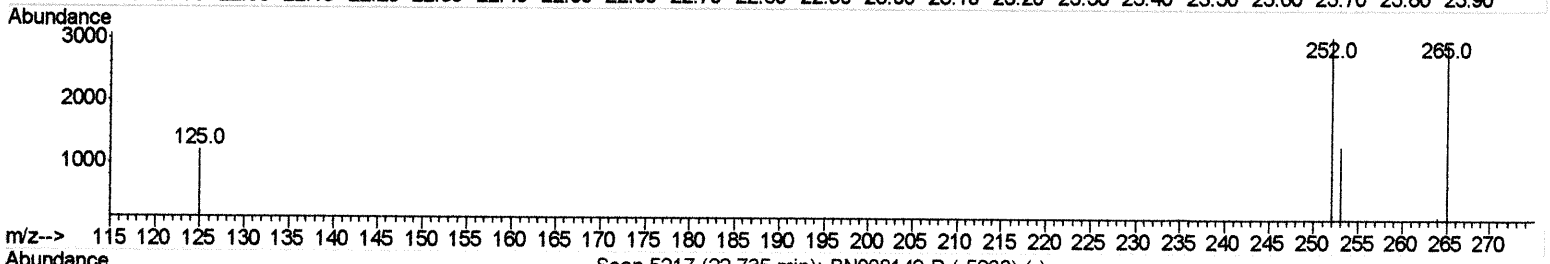
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

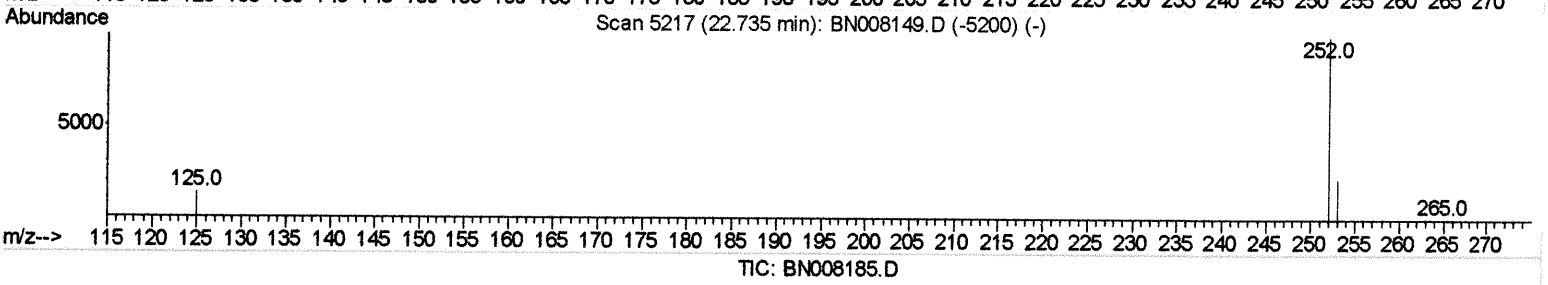
Quant Time: Oct 16 04:52:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(21) Benzo(b)fluoranthene

22.896min (+0.152) 0.12ng/ul

response 4651

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	42.40
125.00	16.20	38.90#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:52:16 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 :
BEPG0

Manual Integrations APPROVED
mohammad
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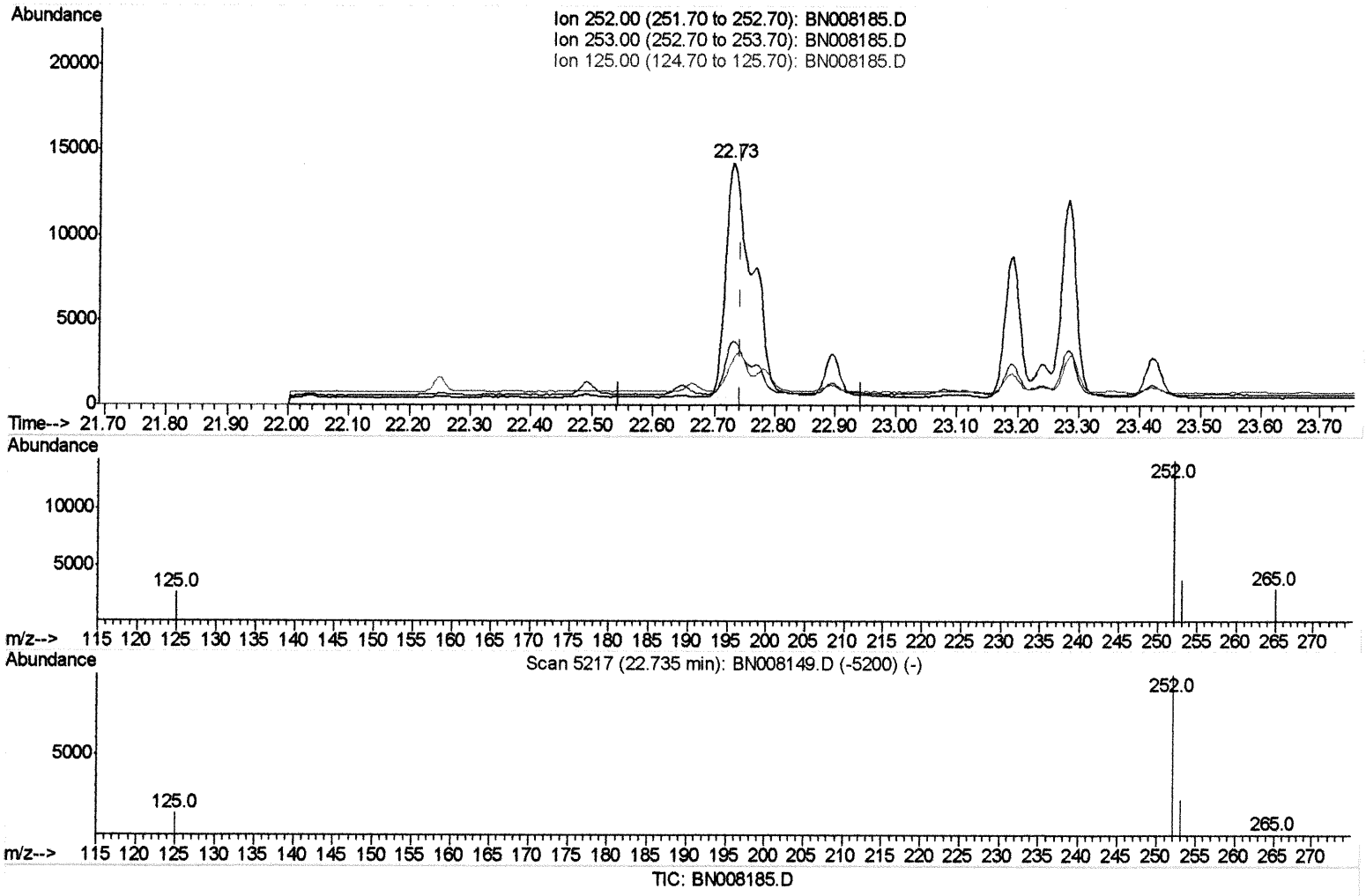


(21) Benzo(b)fluoranthene

22.729min (-0.015) 0.73ng/ul m

JU 10/21/19

response 29111

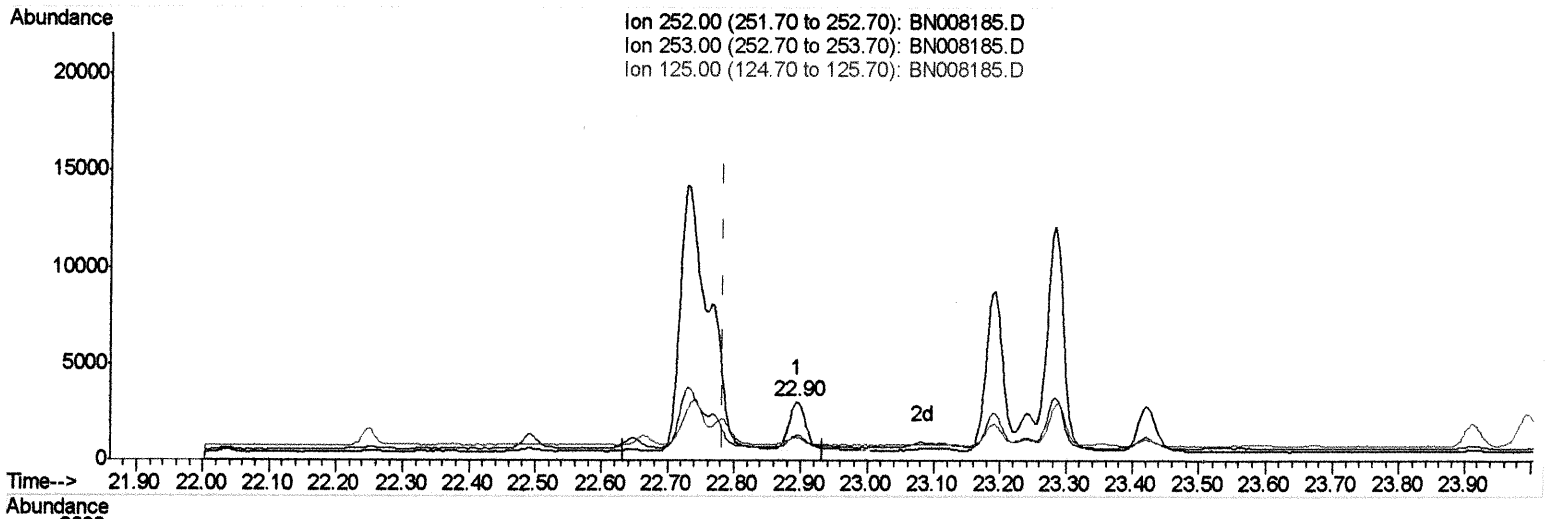
Ion	Exp%	Act%
252.00	100	100
253.00	26.70	26.38
125.00	16.20	18.30
0.00	0.00	0.00

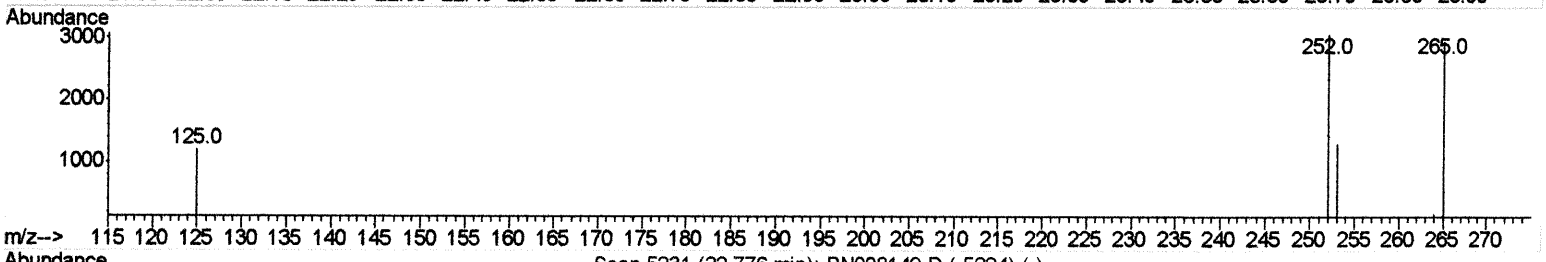
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

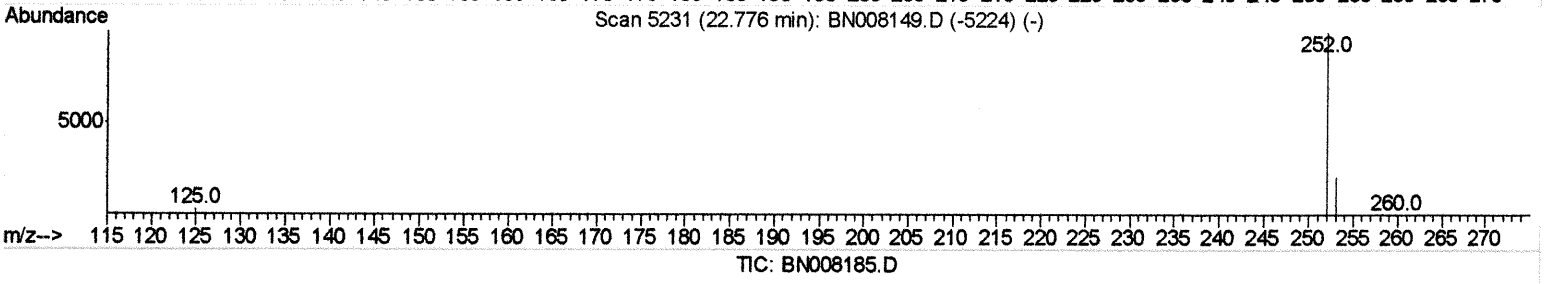
Quant Time: Oct 16 04:52:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(22) Benzo(k)fluoranthene

22.896min (+0.111) 0.10ng/ul

response 4651

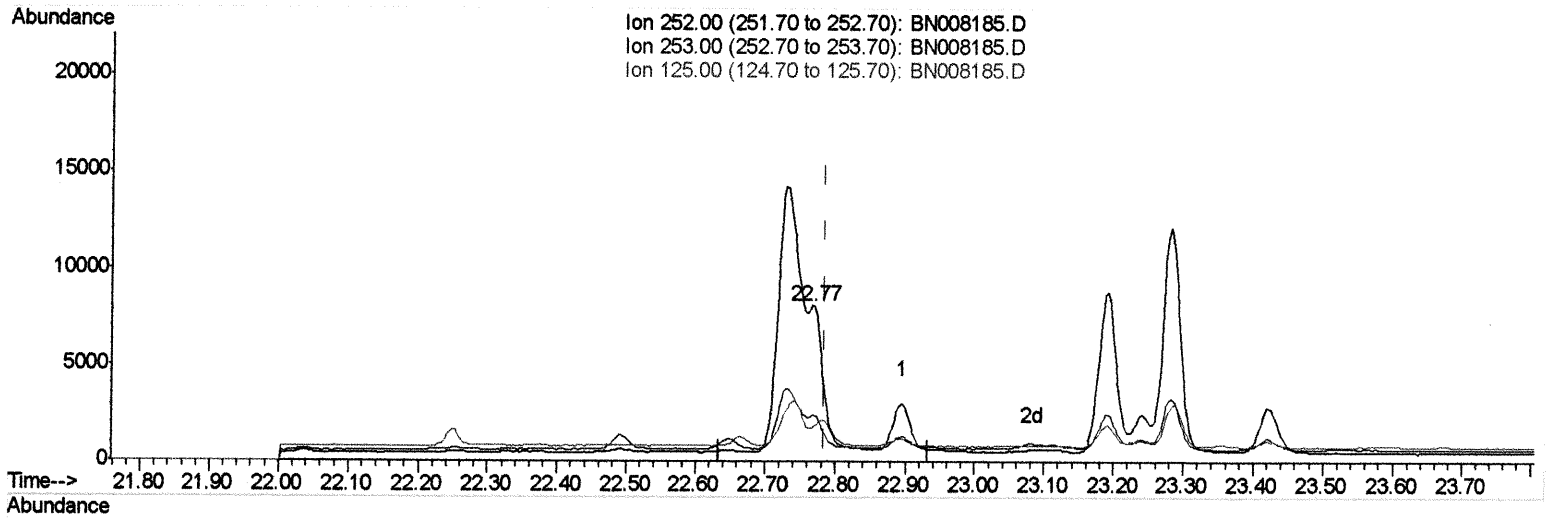
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	42.40#
125.00	15.40	38.90#
0.00	0.00	0.00

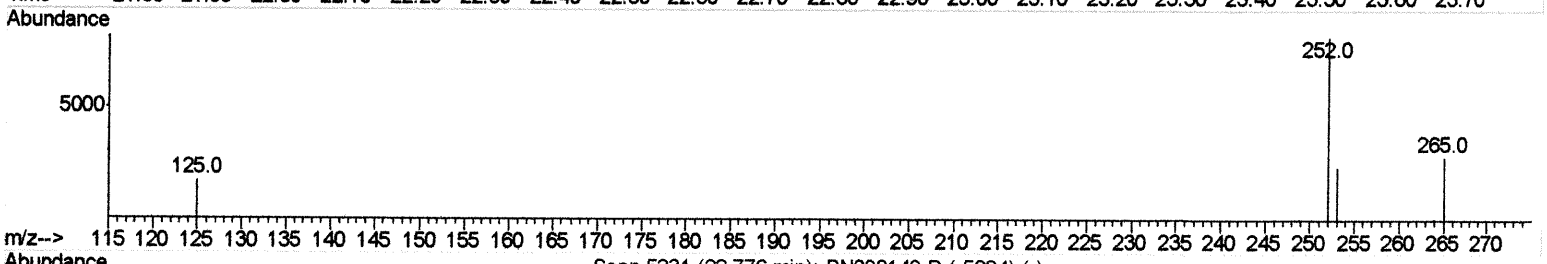
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

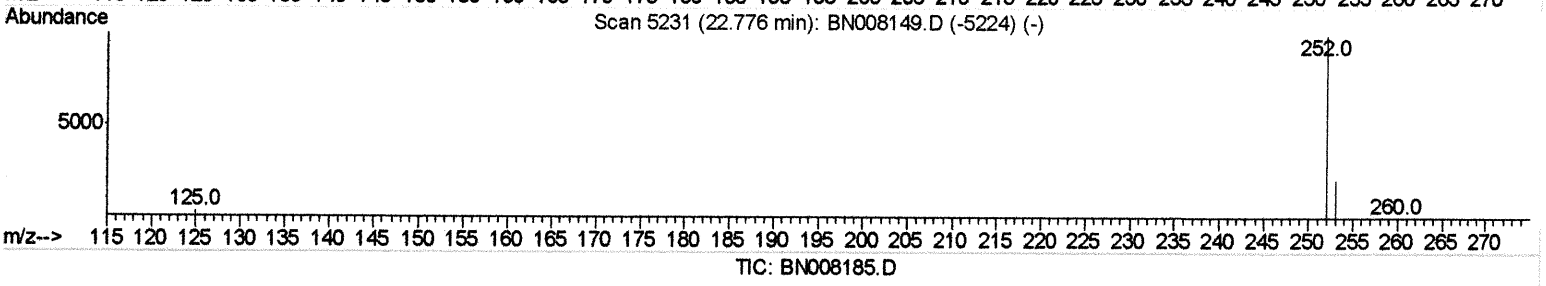
Quant Time: Oct 16 04:52:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(22) Benzo(k)fluoranthene

22.767min (-0.018) 0.22ng/ul m

response 9931

10/21/19

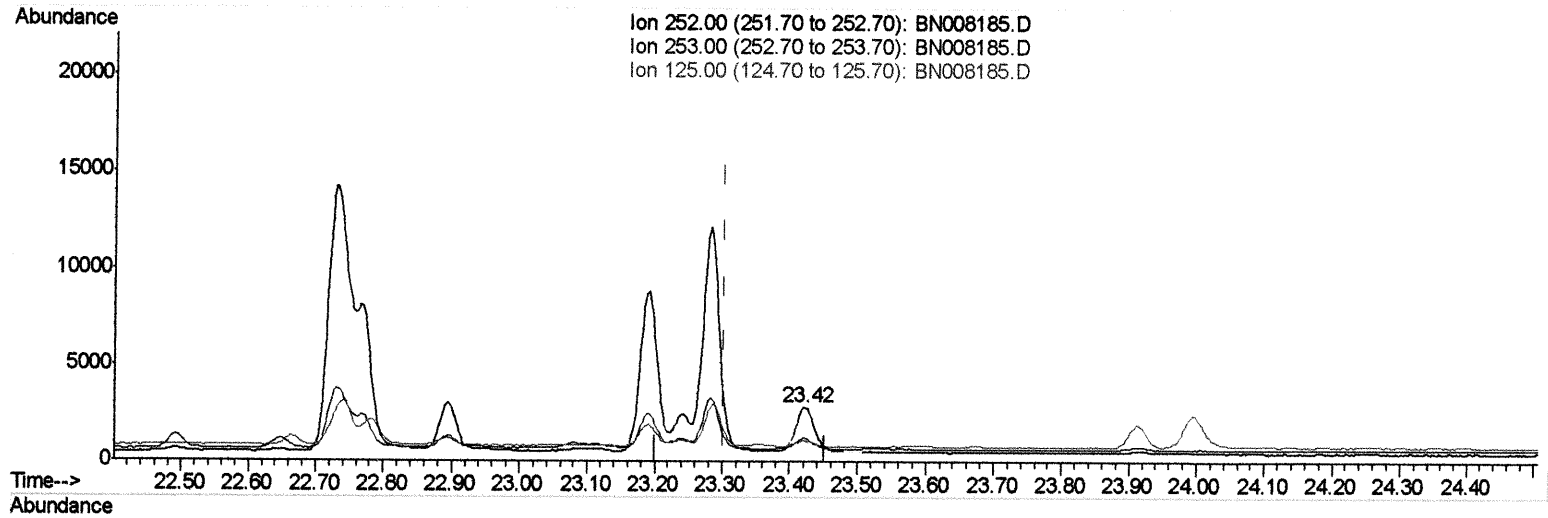
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	29.85
125.00	15.40	21.94#
0.00	0.00	0.00

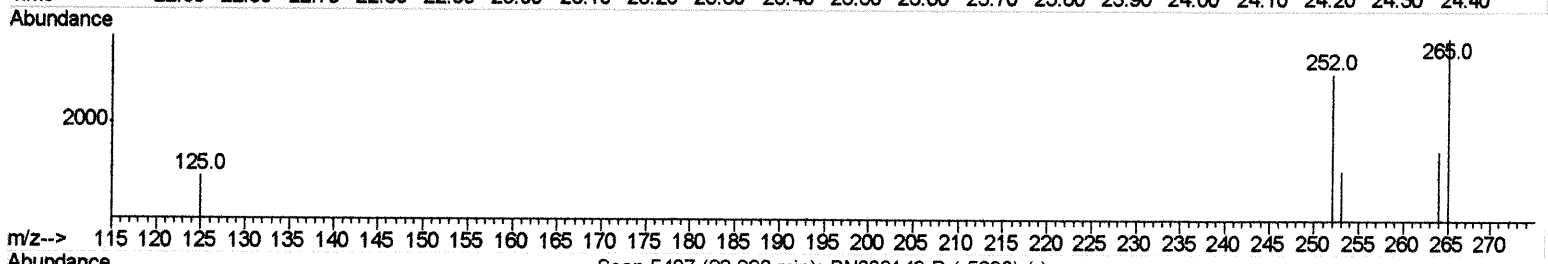
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

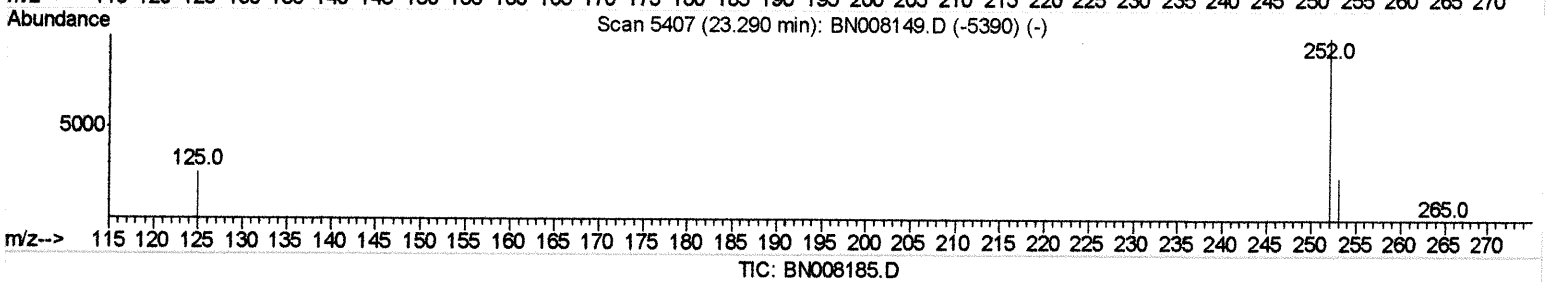
Quant Time: Oct 16 04:52:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(23) Benzo(a)pyrene (C)

23.422min (+0.120) 0.10ng/ul

response 4195

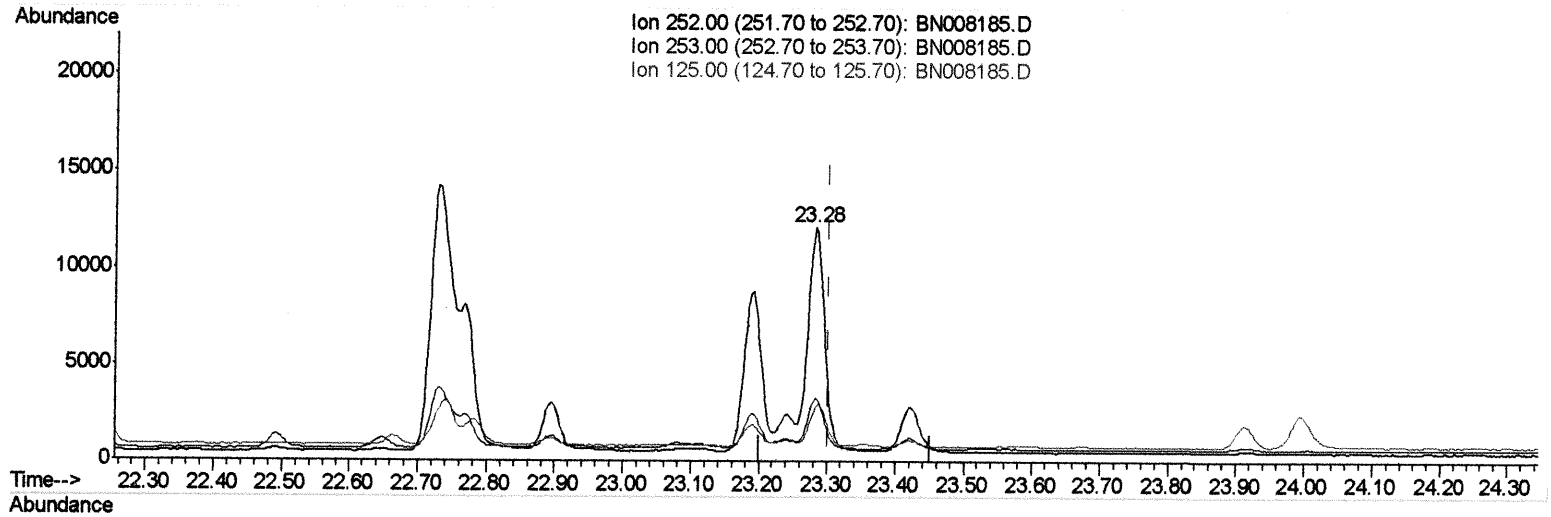
Ion	Exp%	Act%
252.00	100	100
253.00	28.50	42.93#
125.00	23.00	39.06#
0.00	0.00	0.00

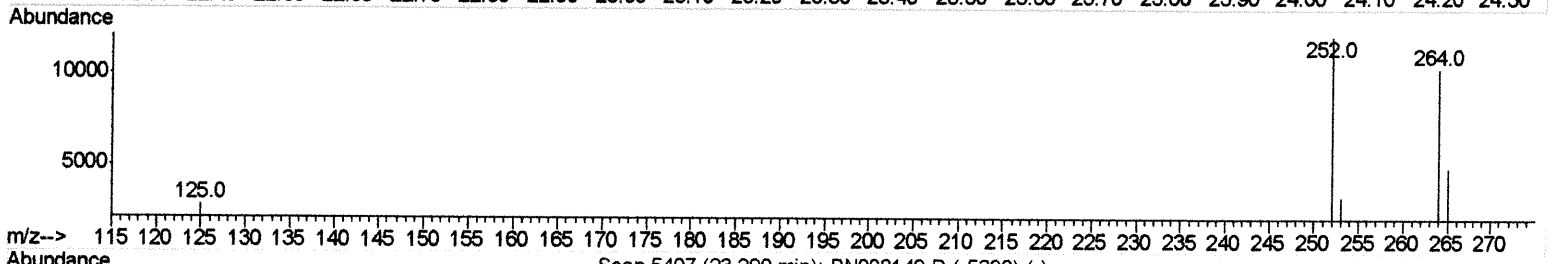
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

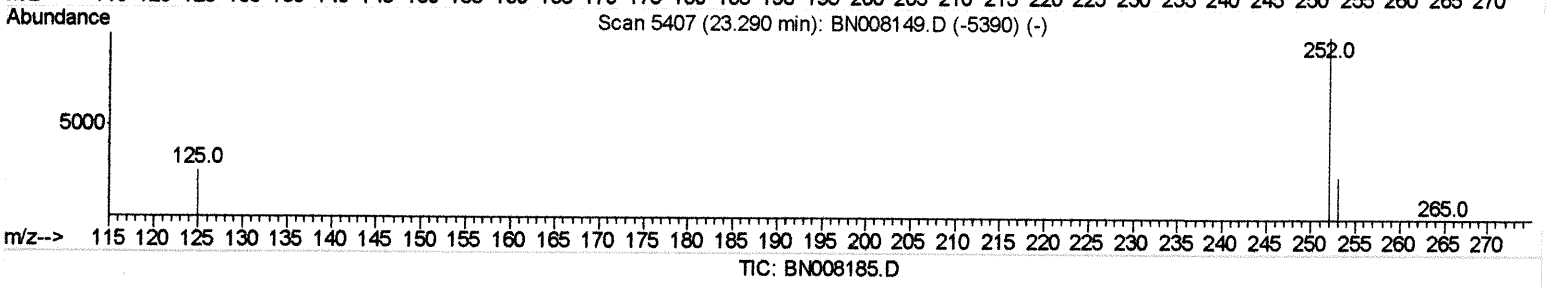
Quant Time: Oct 16 04:52:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(23) Benzo(a)pyrene (C)

23.282min (-0.021) 0.47ng/ul m

response 19639

JU 10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	28.50	27.23
125.00	23.00	23.21
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:53:35 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 :
BEPG0

Manual Integrations APPROVED
mohammad
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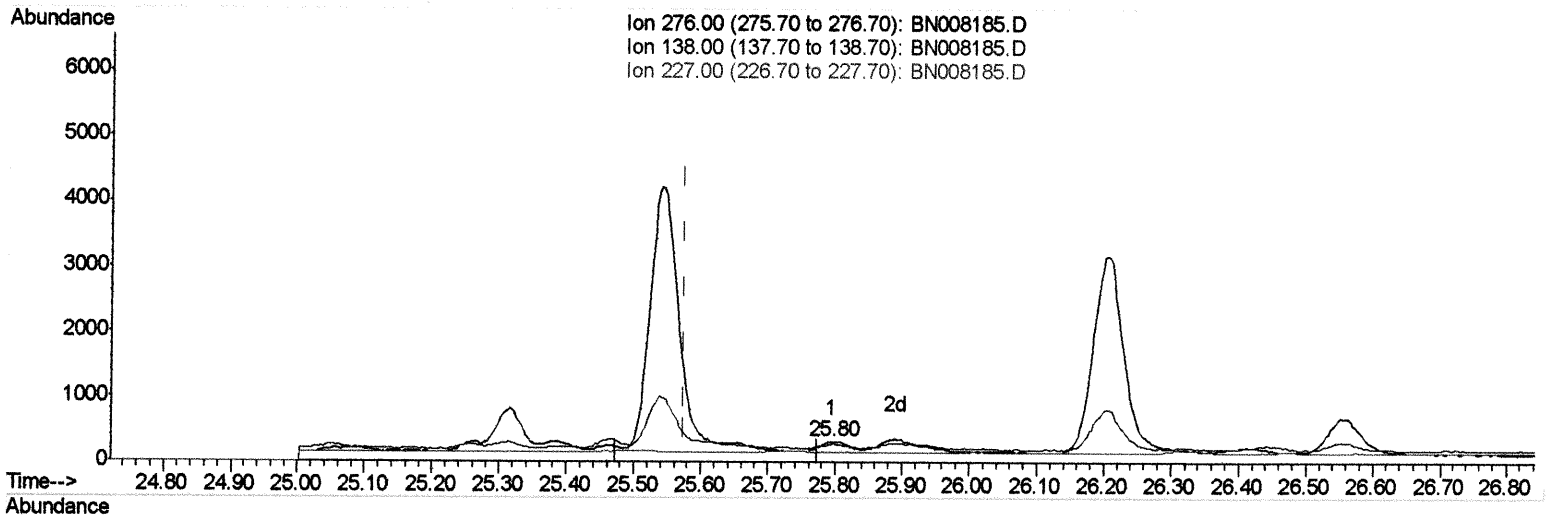
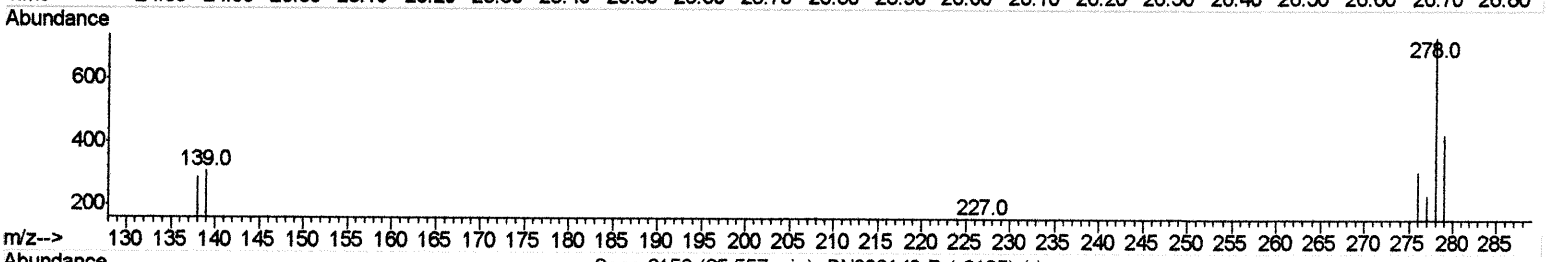
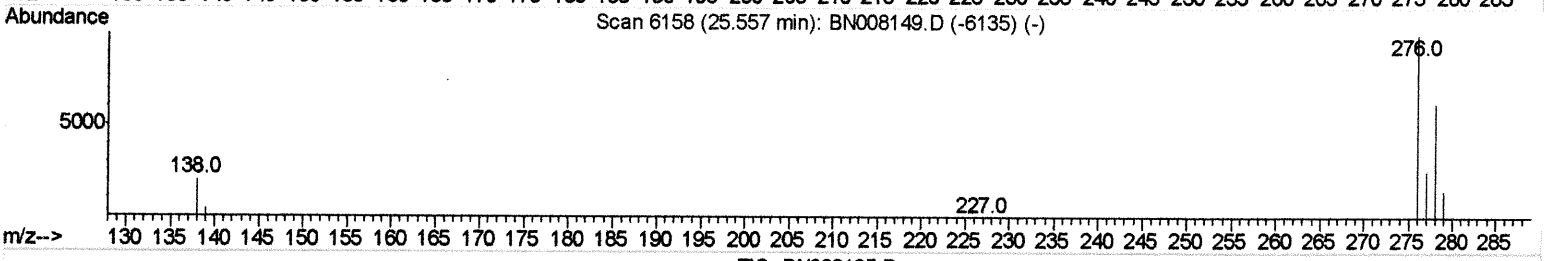






TIC: BN008185.D

(24) Indeno(1,2,3-cd)pyrene

25.795min (+0.221) 0.01ng/ul

response 446

Ion	Exp%	Act%
276.00	100	100
138.00	20.10	37.67#
227.00	0.20	3.59#
0.00	0.00	0.00

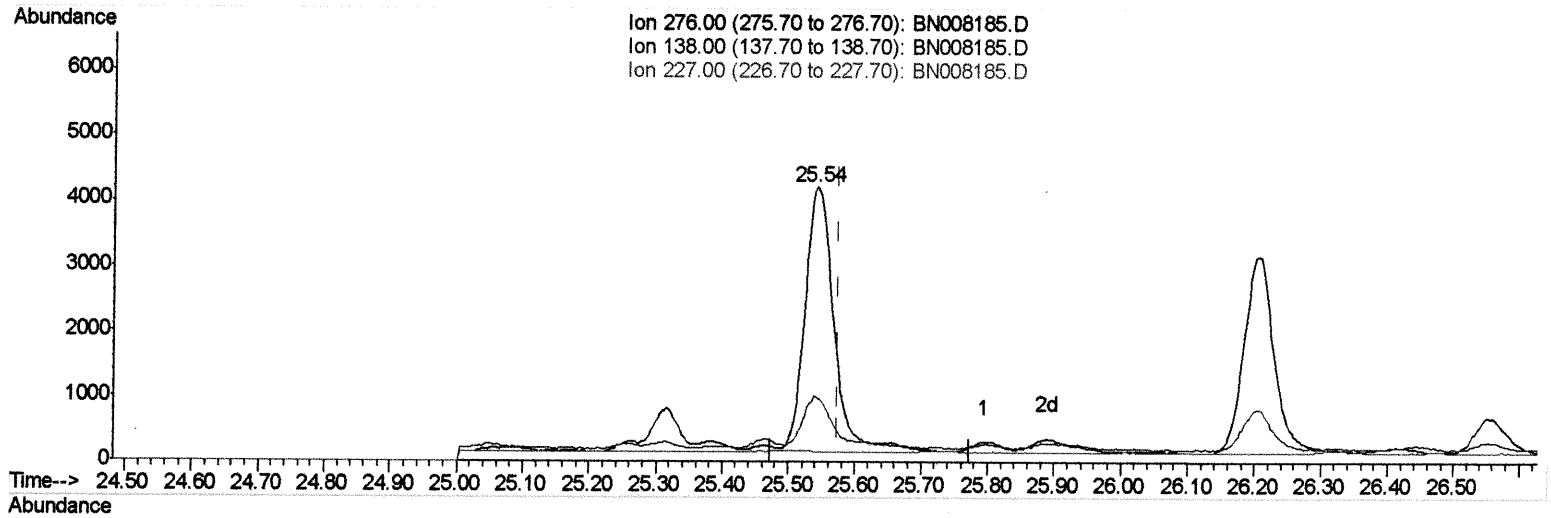
Quantitation Report (Qedit)

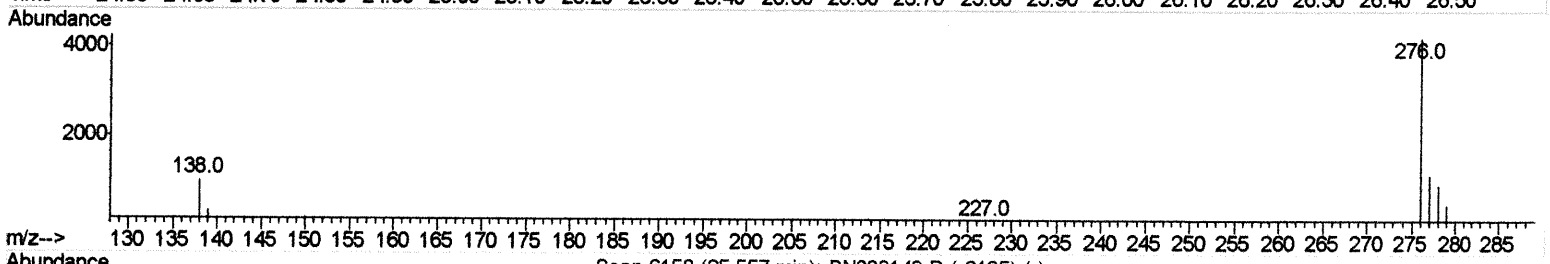
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

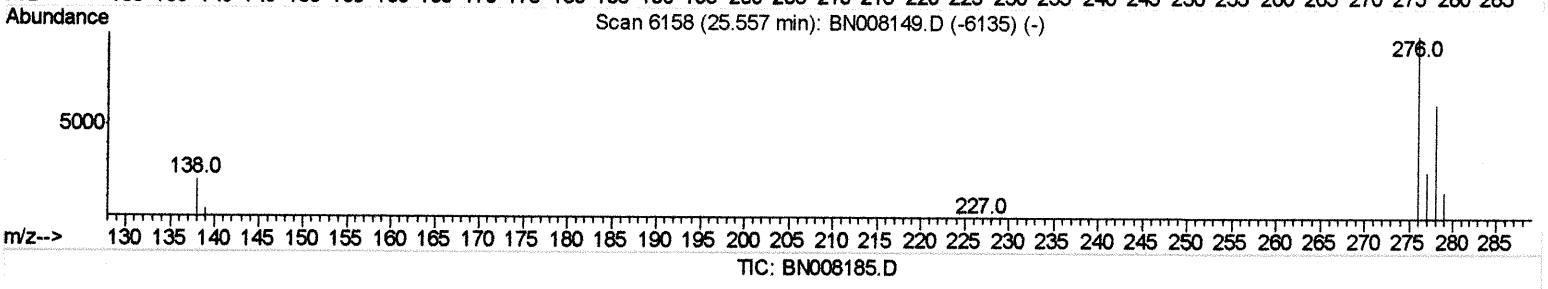
Quant Time: Oct 16 04:53:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(24) Indeno(1,2,3-cd)pyrene

25.540min (-0.034) 0.23ng/ul m

response 11671

JU 10/21/19

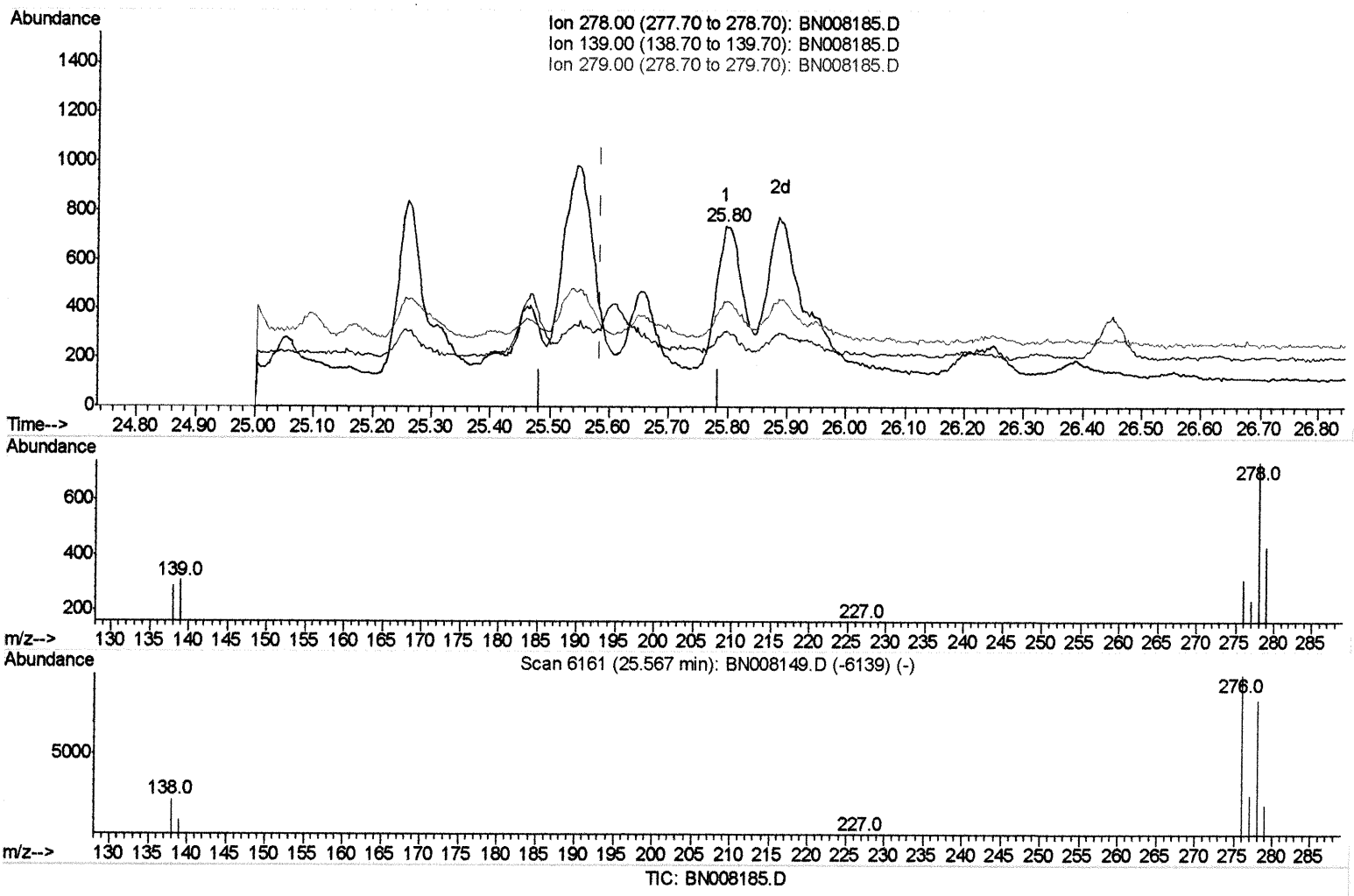
Ion	Exp%	Act%
276.00	100	100
138.00	20.10	1.44#
227.00	0.20	0.14#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 04:53:35 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 :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM



TIC: BN008185.D

(25) Dibenzo(a,h)anthracene

25.795min (+0.211) 0.05ng/ul

response 1770

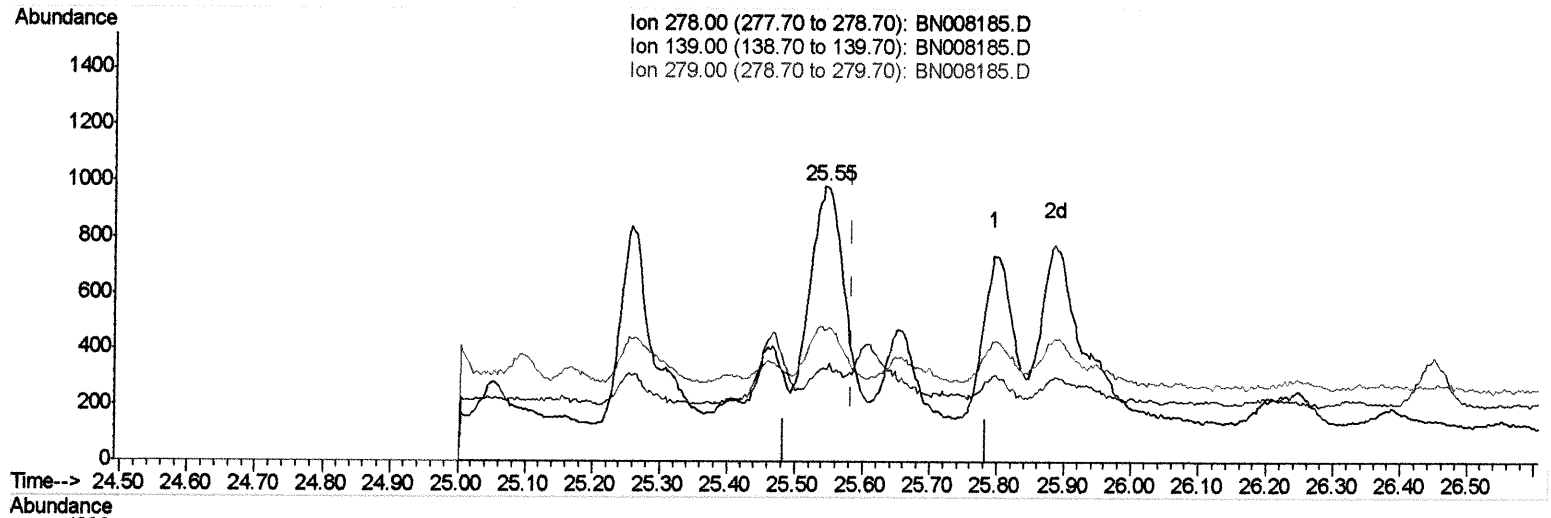
Ion	Exp%	Act%
278.00	100	100
139.00	18.80	41.60#
279.00	28.00	58.27#
0.00	0.00	0.00

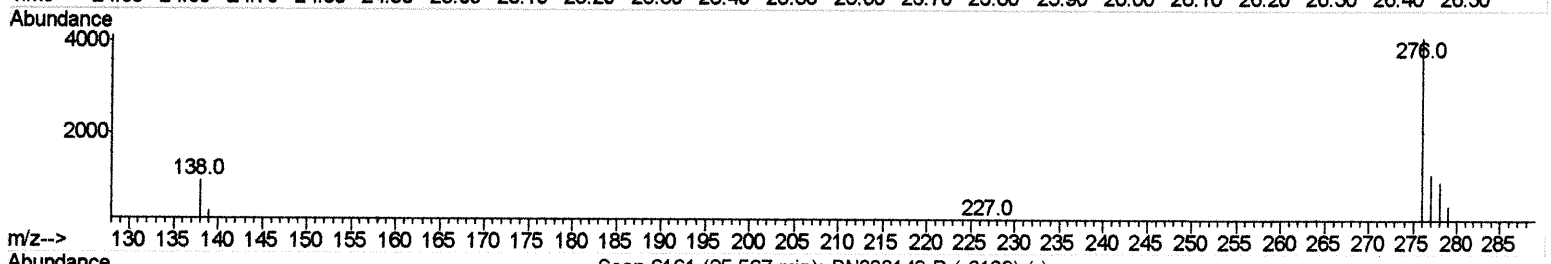
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

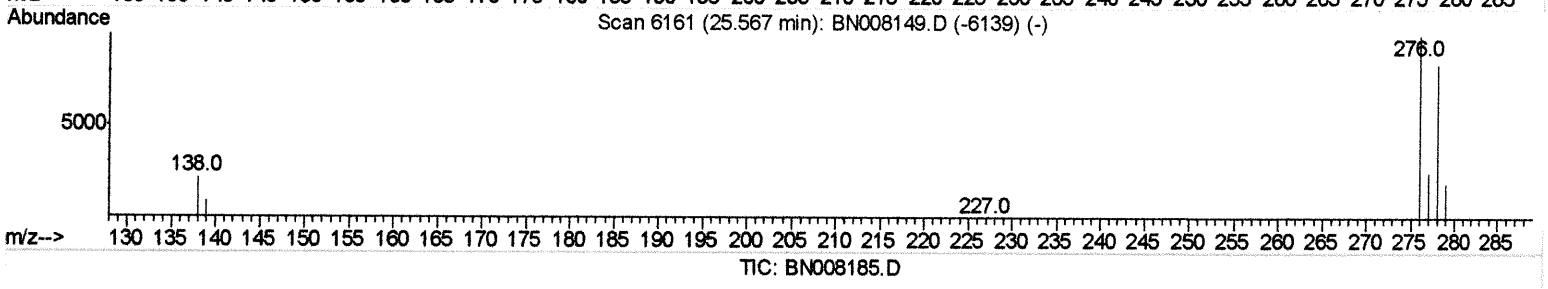
Quant Time: Oct 16 04:53:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(25) Dibenzo(a,h)anthracene

25.547min (-0.037) 0.07ng/ul m

response 2598

JU 10/21/19

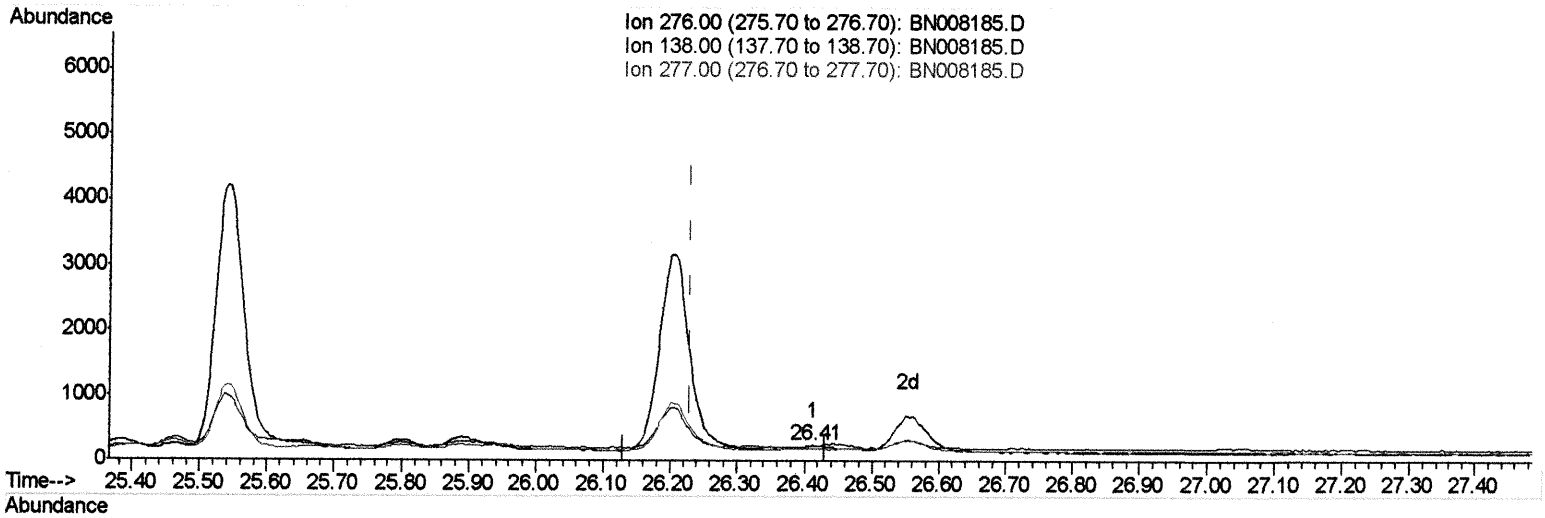
Ion	Exp%	Act%
278.00	100	100
139.00	18.80	33.60#
279.00	28.00	48.07#
0.00	0.00	0.00

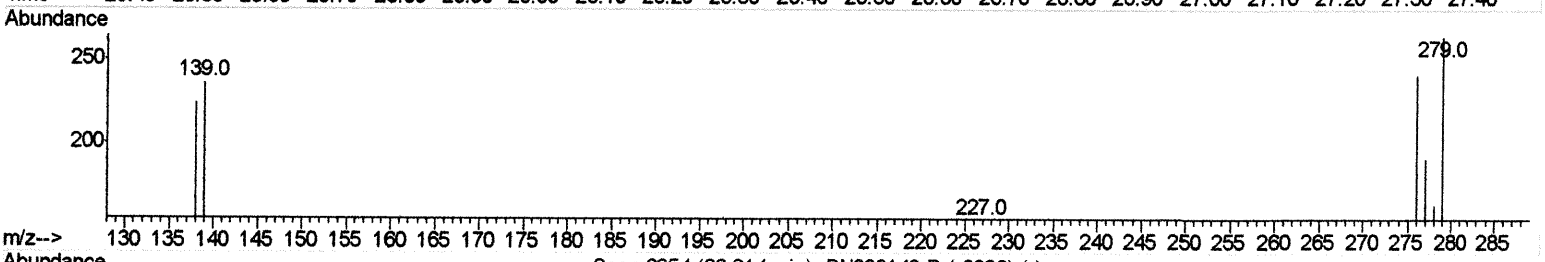
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

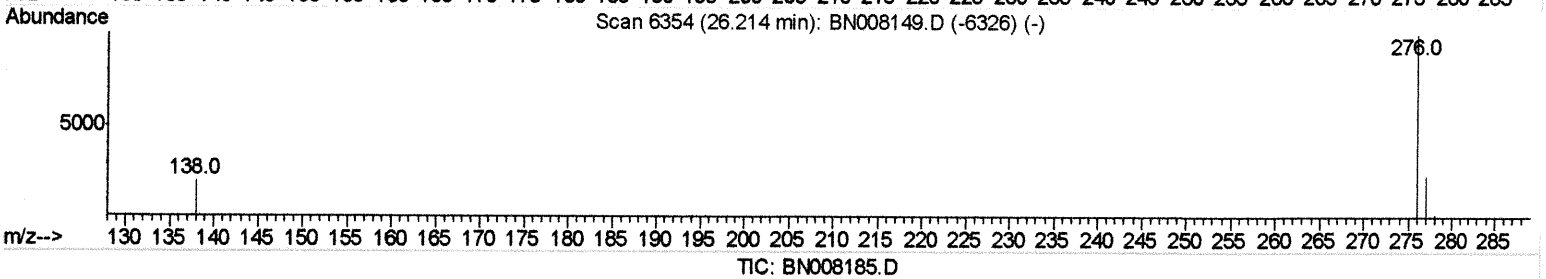
Quant Time: Oct 16 04:53:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(26) Benzo(g,h,i)perylene

26.412min (+0.181) 0.01ng/ul

response 253

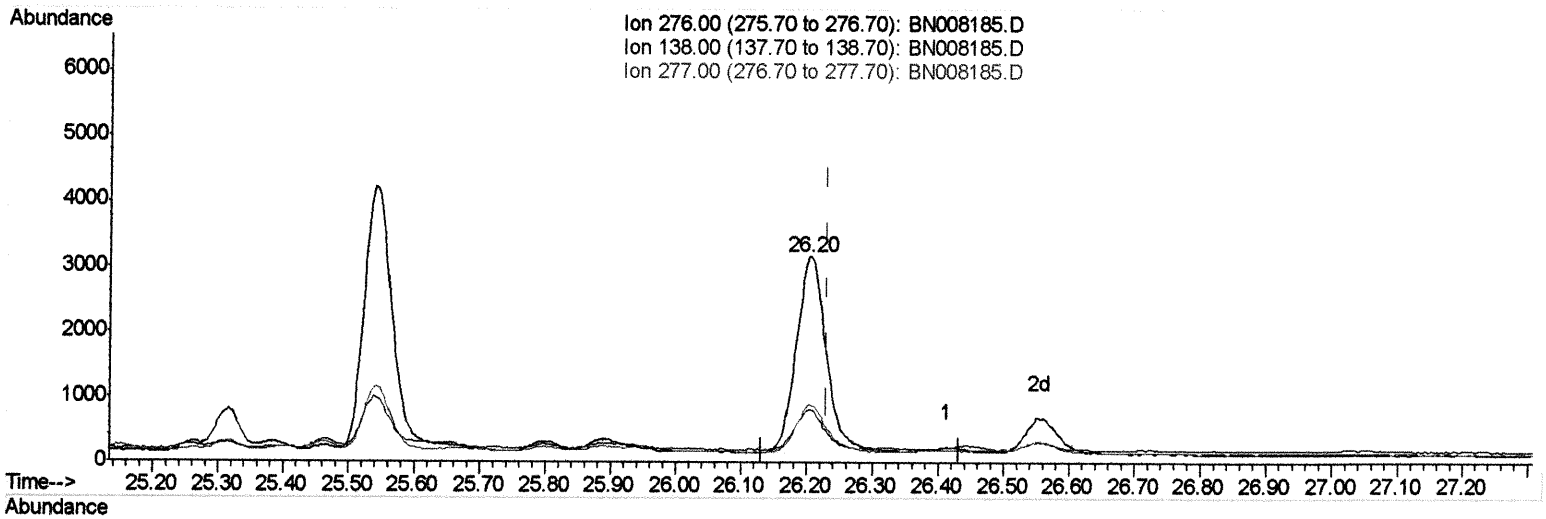
Ion	Exp%	Act%
276.00	100	100
138.00	21.20	92.95#
277.00	25.50	79.25#
0.00	0.00	0.00

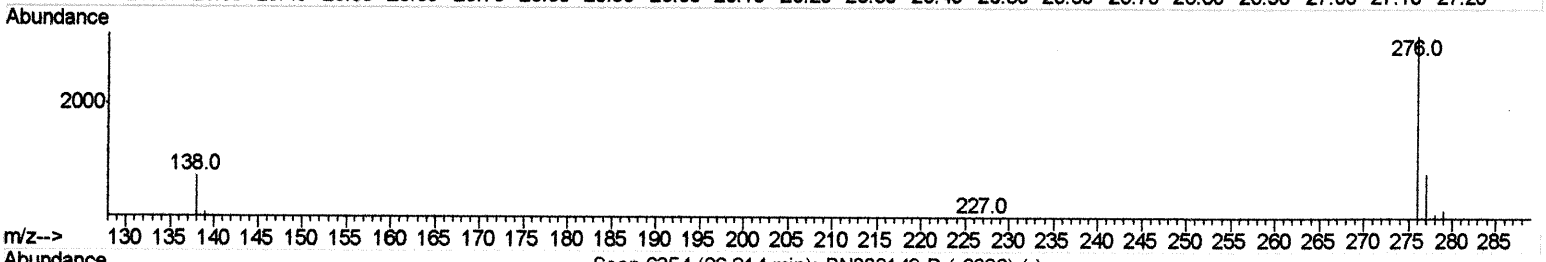
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

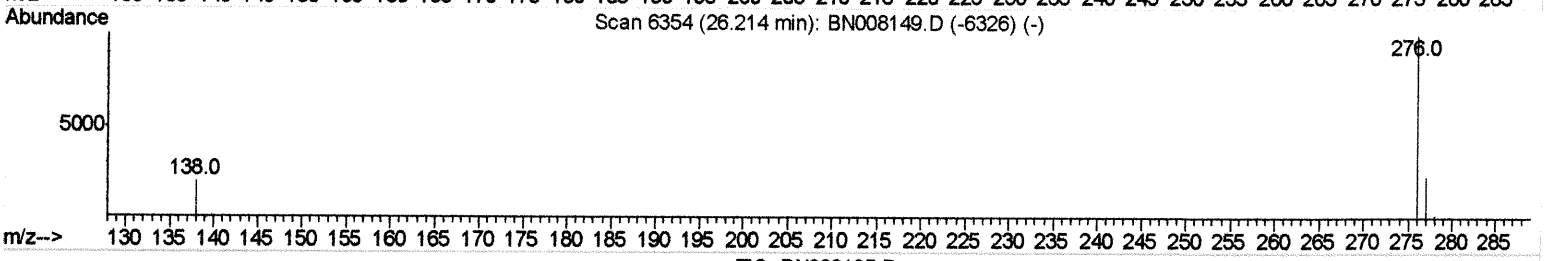
Quant Time: Oct 16 04:53:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM







TIC: BN008185.D

(26) Benzo(g,h,i)perylene

26.204min (-0.027) 0.21ng/ul m

JU 10/21/19

response 9578

Ion	Exp%	Act%
276.00	100	100
138.00	21.20	25.59#
277.00	25.50	27.84
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008185.D
Acq On : 15 Oct 2019 22:13
Operator : JU
Sample : K5175-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPG0

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:48 PM

Quant Time: Oct 16 04:55:10 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	1992	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	9874	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.25	164	6330	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	14378m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	15779m	0.40	ng/ul	-0.01
20) Perylene-d12	23.38	264	12326m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	4040	0.24	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	13414m	0.27	ng/ul	-0.01
Target Compounds						Qvalue
7) Acenaphthylene	13.96	152	1930	0.064	ng/ul#	75
8) Acenaphthene	14.31	153	535	0.023	ng/ul#	94
12) Phenanthrene	17.04	178	11943	0.284	ng/ul	100
13) Anthracene	17.13	178	2551m	0.069	ng/ul	
15) Fluoranthene	19.06	202	37447m	0.674	ng/ul	
17) Pyrene	19.42	202	34911m	0.556	ng/ul	
18) Benzo(a)anthracene	21.18	228	20529m	0.358	ng/ul	
19) Chrysene	21.23	228	23577	0.335	ng/ul	98
21) Benzo(b)fluoranthene	22.73	252	29111m	0.726	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	9931m	0.218	ng/ul	
23) Benzo(a)pyrene	23.28	252	19639m	0.465	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.54	276	11671m	0.235	ng/ul	
25) Dibenzo(a,h)anthracene	25.55	278	2598m	0.066	ng/ul	
26) Benzo(g,h,i)perylene	26.20	276	9578m	0.210	ng/ul	

JU 10/21/19

JU 10/21/19

JU 10/21/19

JU 10/21/19

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