

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:49:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

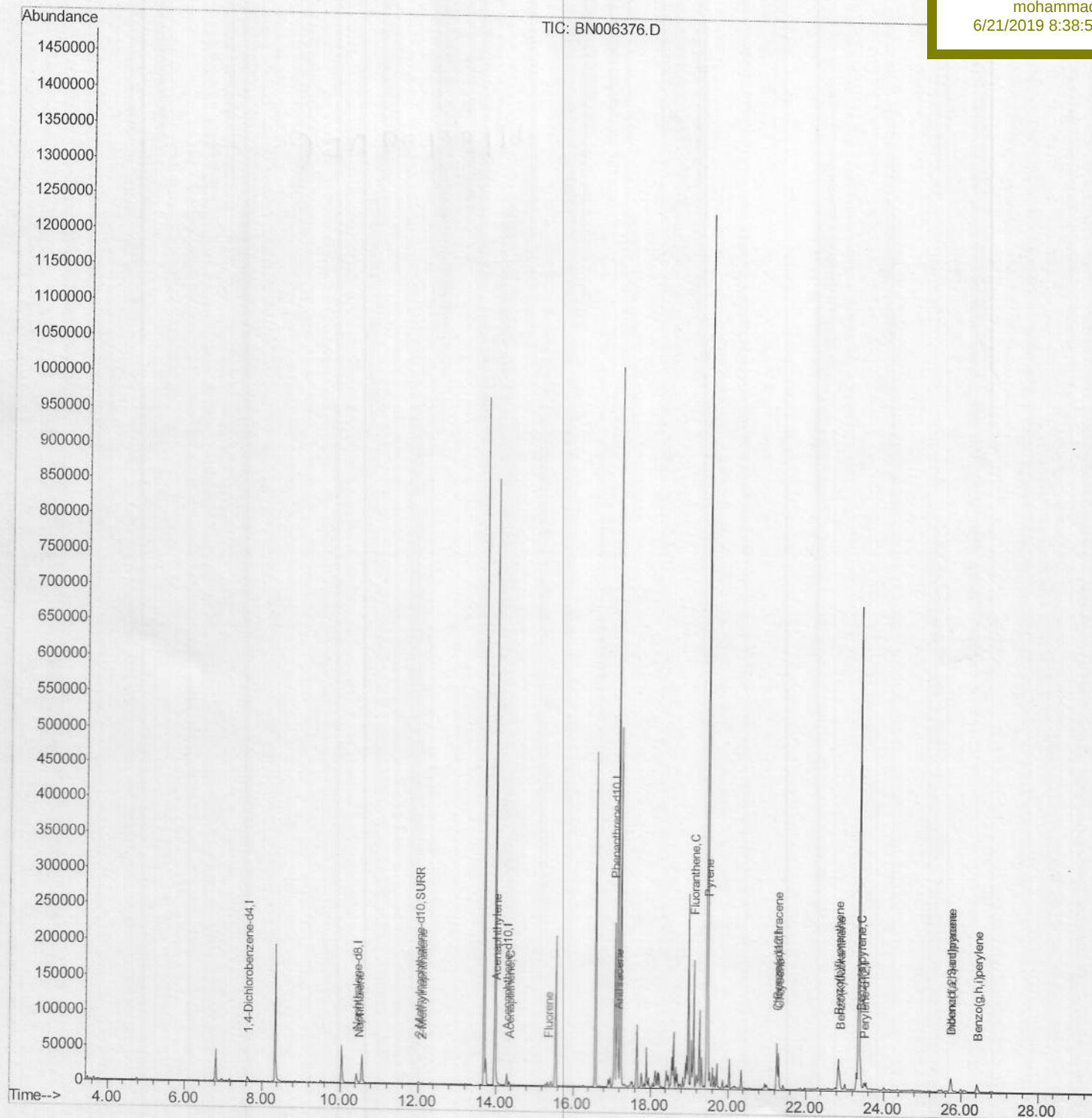
A4234

Manual Integrations

APPROVED

mohammad

6/21/2019 8:38:57 AM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

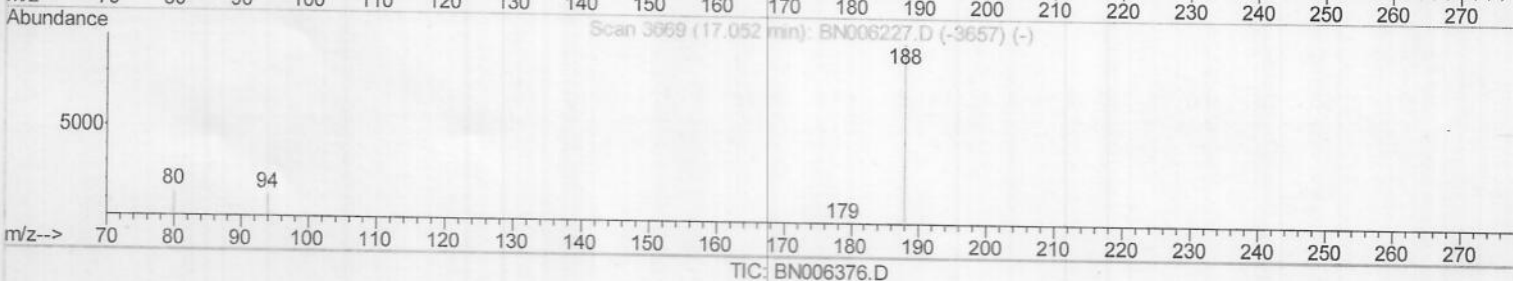
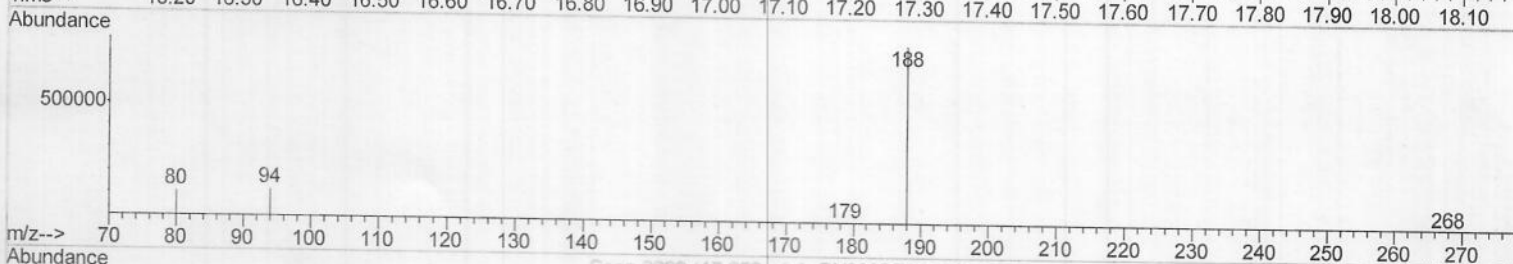
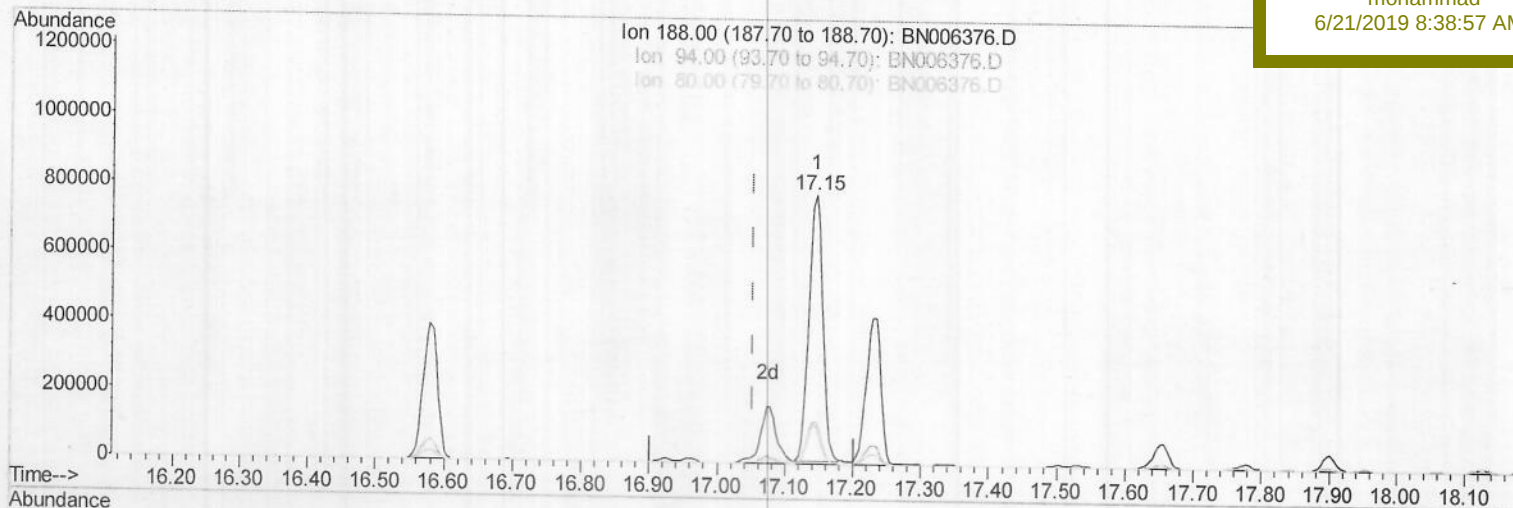
A4234

Manual Integrations

APPROVED

mohammad

6/21/2019 8:38:57 AM



(10) Phenanthrene-d10 (I)

17.145min (+0.093) 0.40ng/ul

response 1101753

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.28
80.00	13.60	14.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

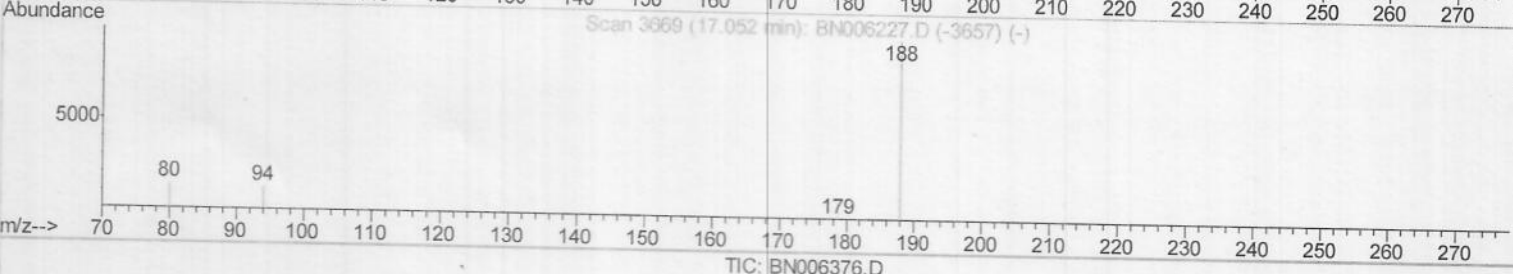
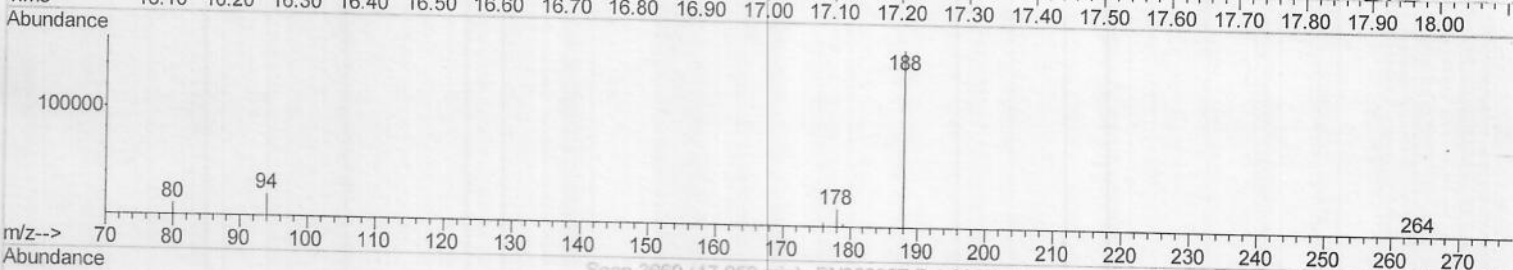
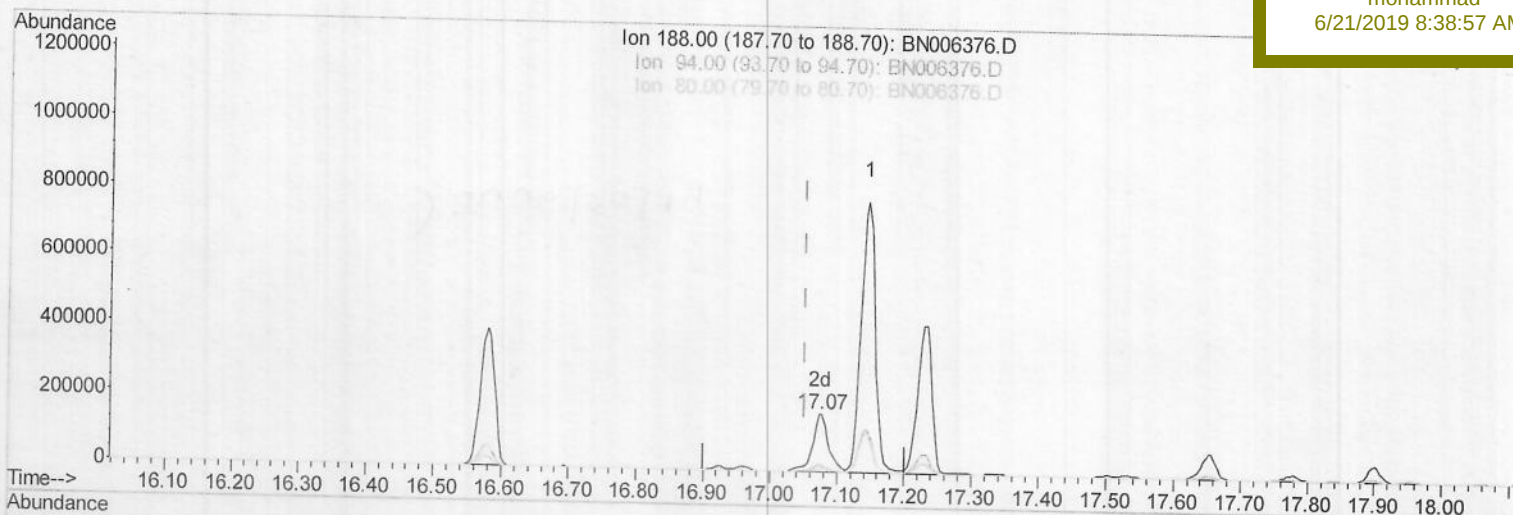
ClientSampleId :

A4234

Manual Integrations
APPROVED

mohammad

6/21/2019 8:38:57 AM



(10) Phenanthrene-d10 (I)

17.073min (+0.021) 0.40ng/ul m > JU 06/25/19

response 275273

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	12.57
80.00	13.60	6.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

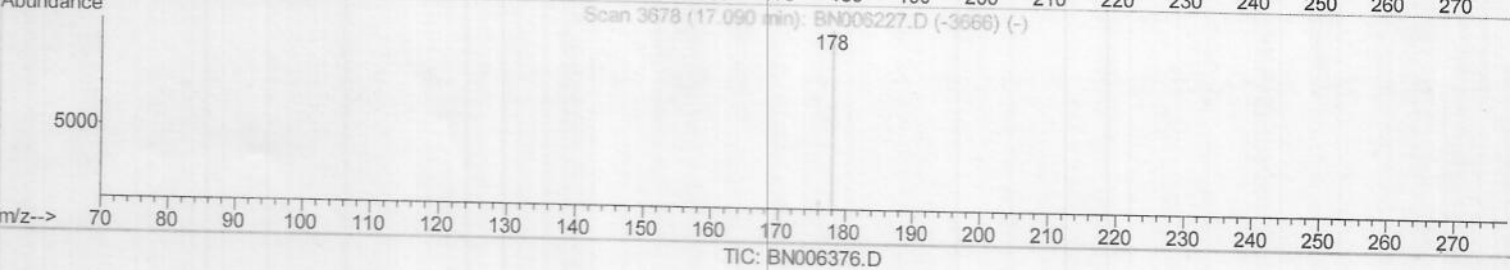
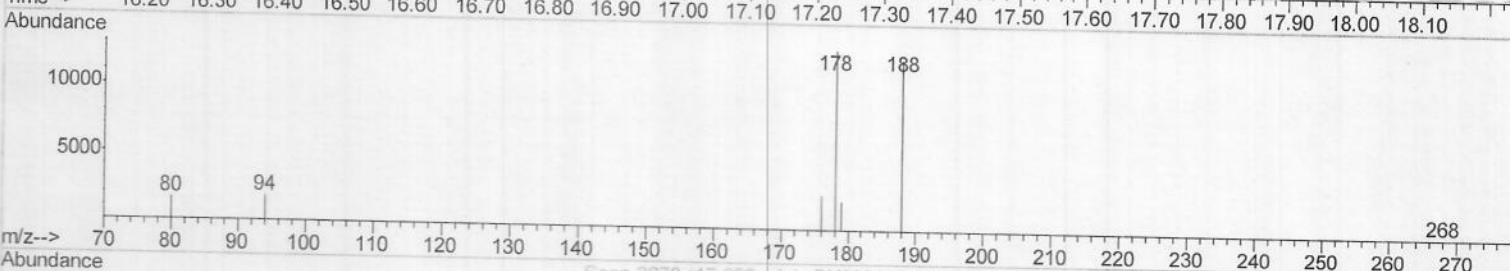
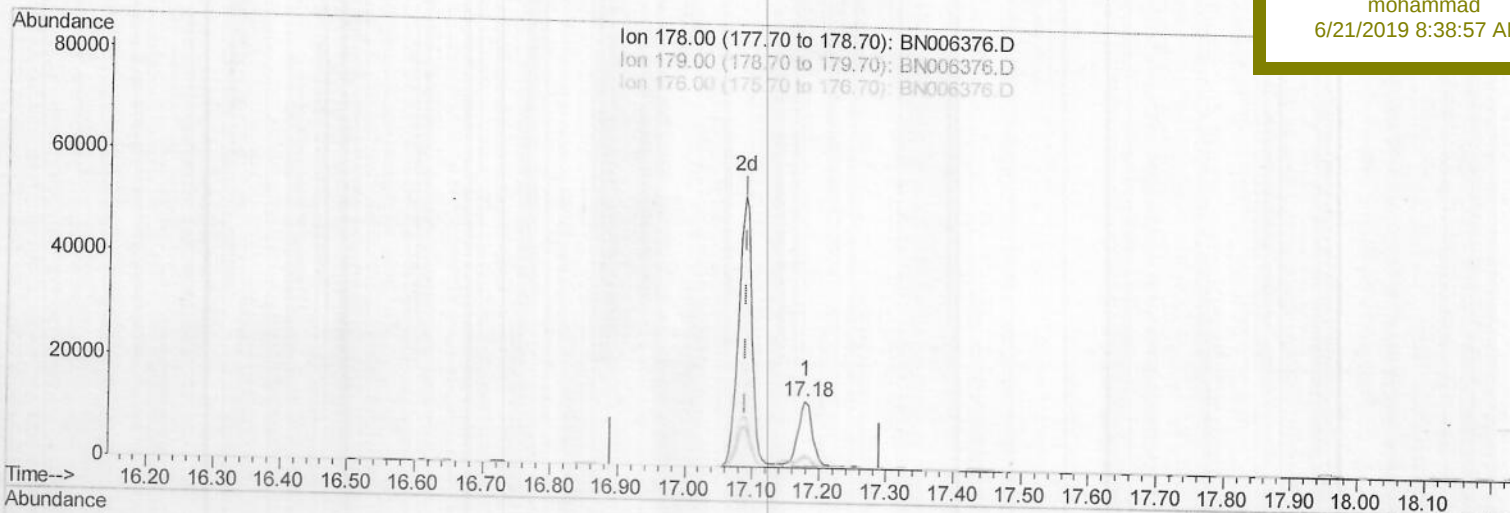
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM

Quant Time: Jun 18 16:42:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration



TIC: BN006376.D

(12) Phenanthrene

17.179min (+0.089) 0.02ng/ul

response 19122

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.33
176.00	19.10	19.42
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:49:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

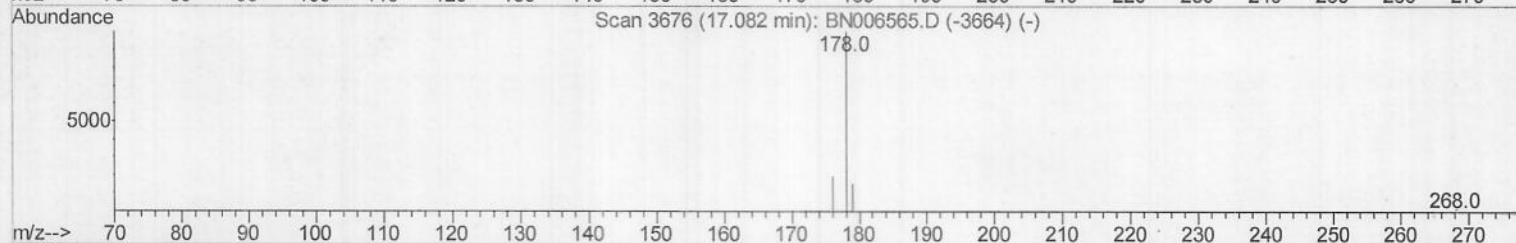
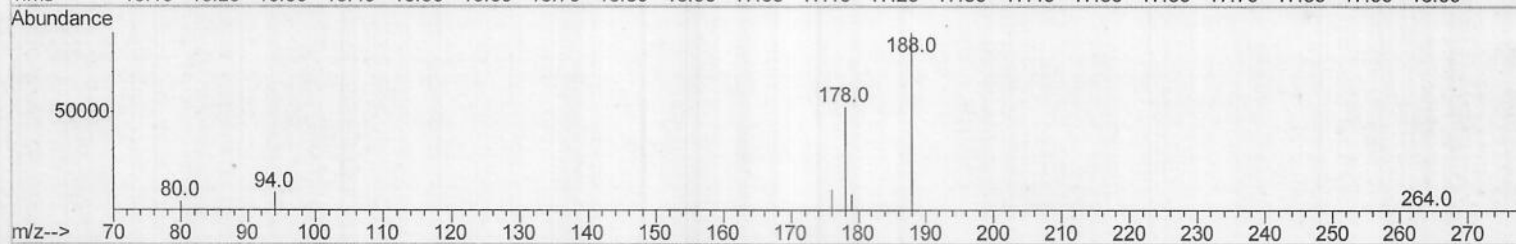
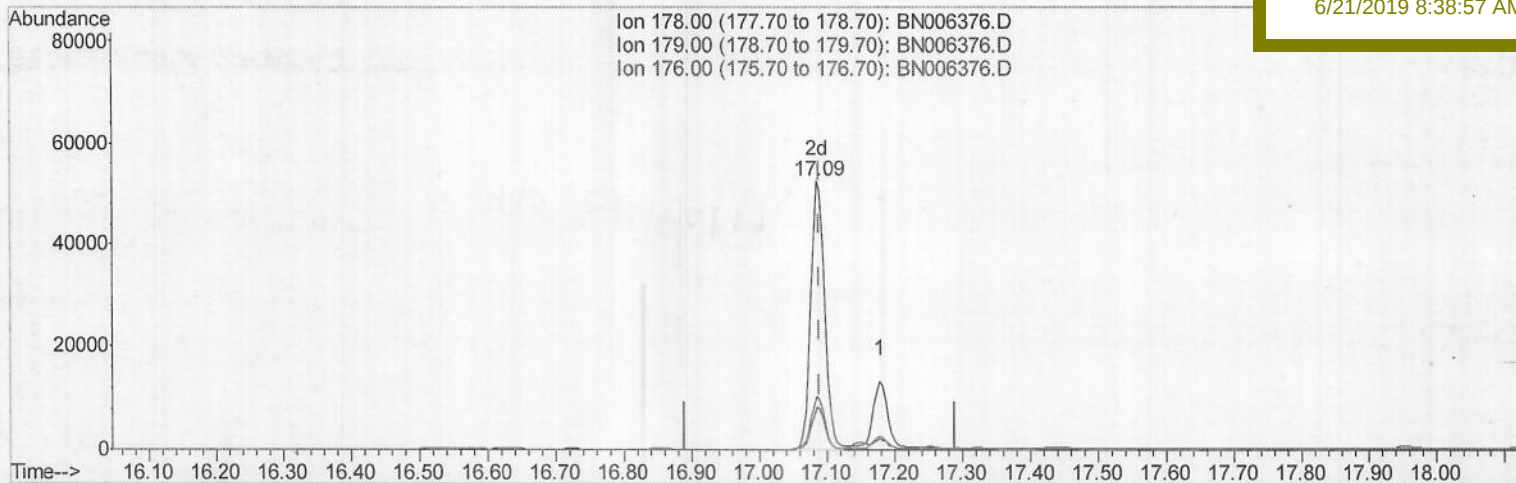
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

TIC: BN006376.D

(12) Phenanthrene

17.086min (-0.004) 0.08ng/ul m

response 74428

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.40
176.00	19.10	19.58
0.00	0.00	0.00

JU
06/25/19

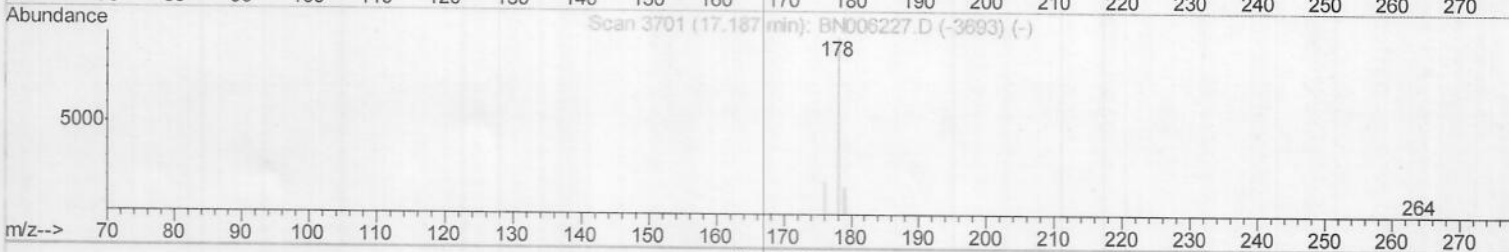
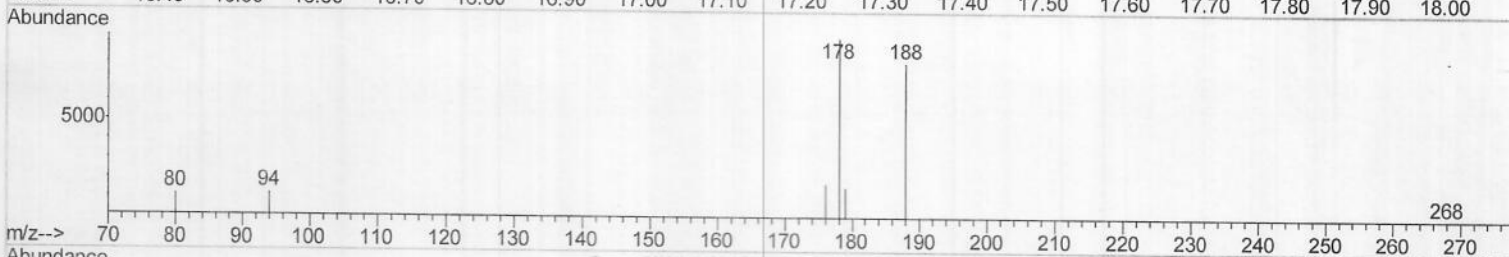
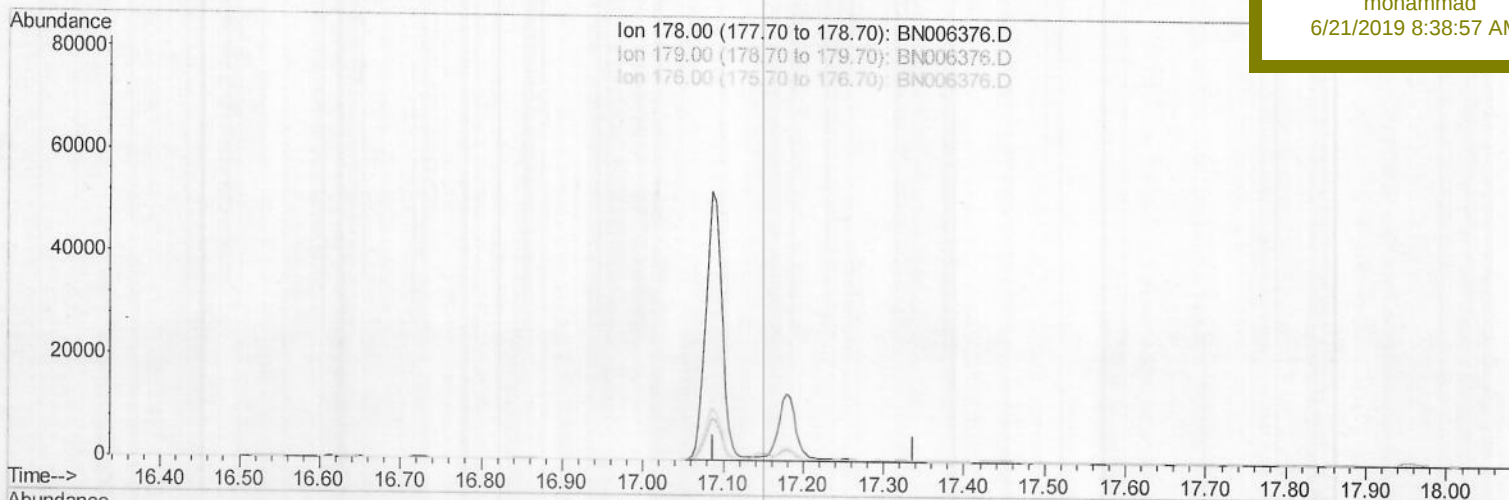
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



TIC: BN006376.D

(13) Anthracene

17.187min (-17.187) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.30	0.00#
176.00	18.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:49:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

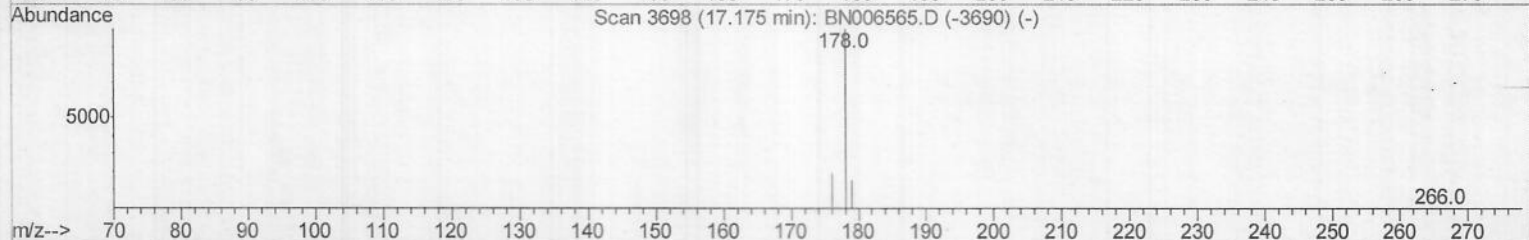
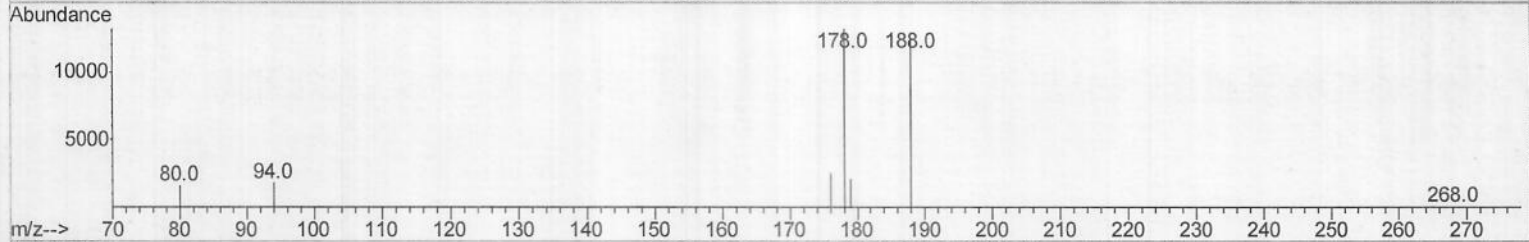
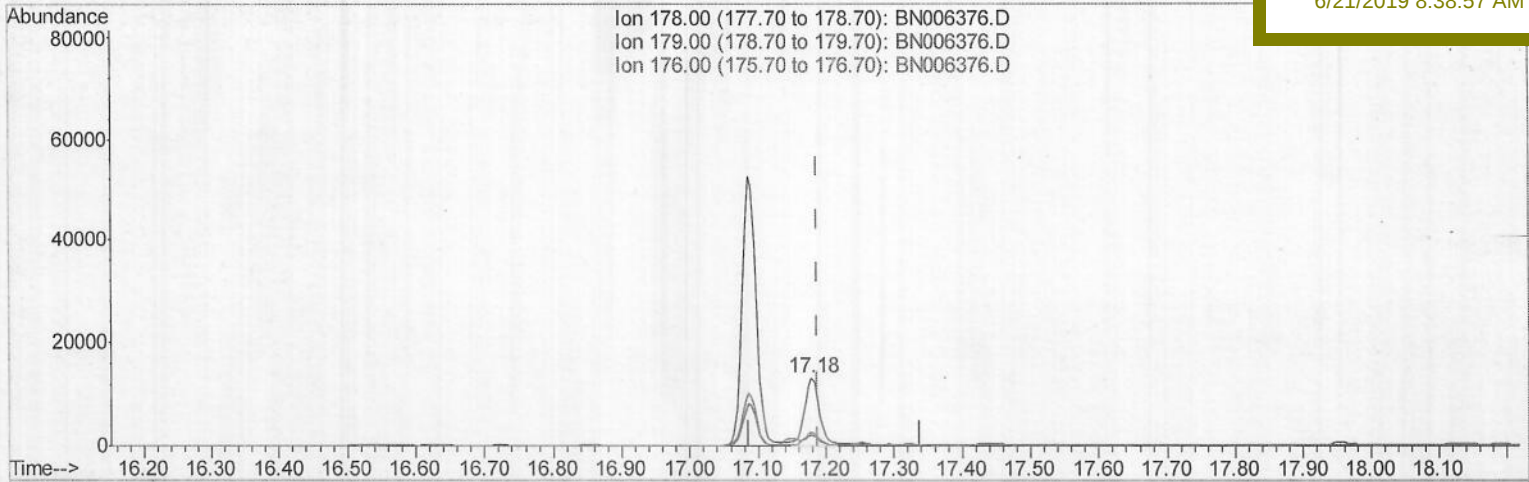
A4234

Manual Integrations

APPROVED

mohammad

6/21/2019 8:38:57 AM



TIC: BN006376.D

(13) Anthracene

17.179min (-0.008) 0.02ng/ul m

response 20166

Ion Exp% Act%

178.00 100 100

179.00 15.30 16.33

176.00 18.90 19.42

0.00 0.00 0.00

JU
06/25/19

Quantitation Report (Qedit)

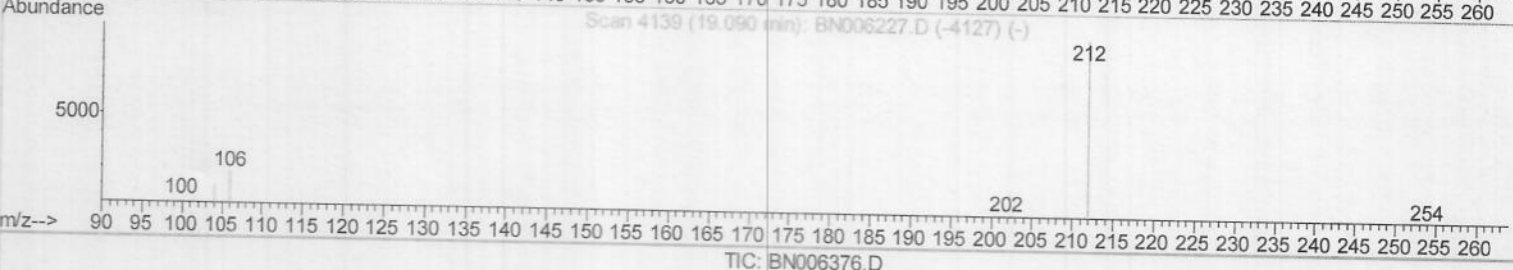
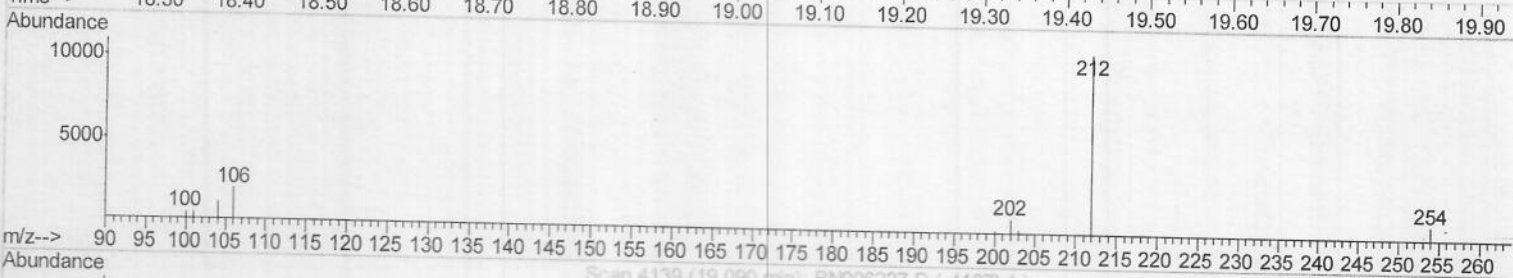
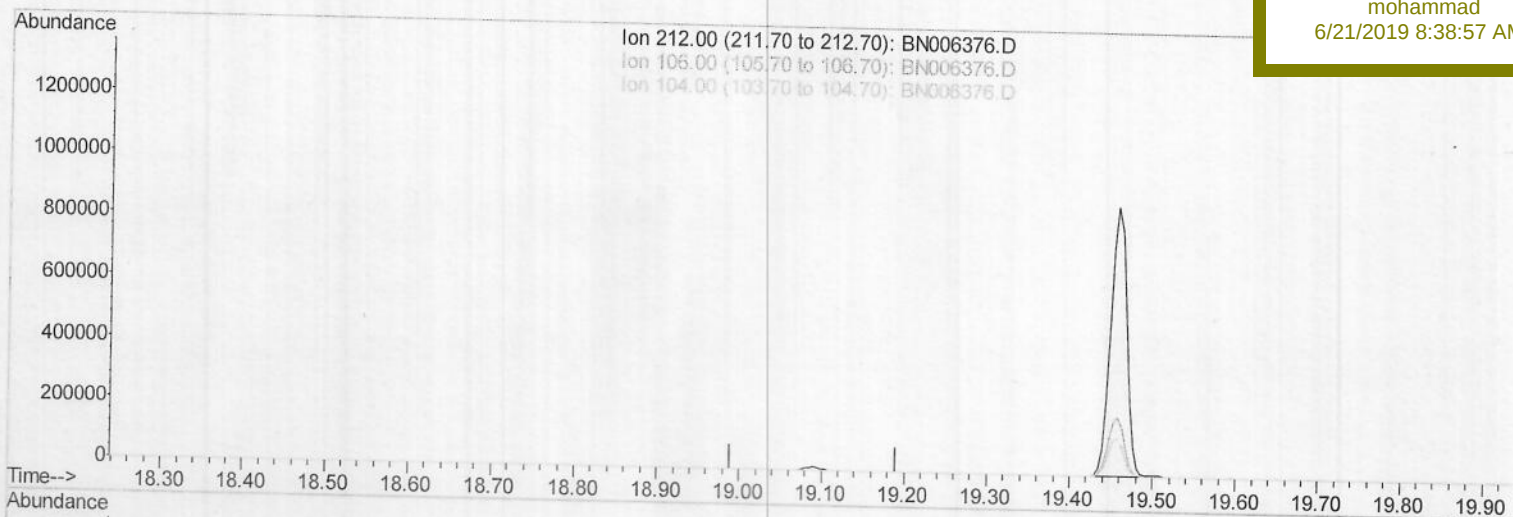
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

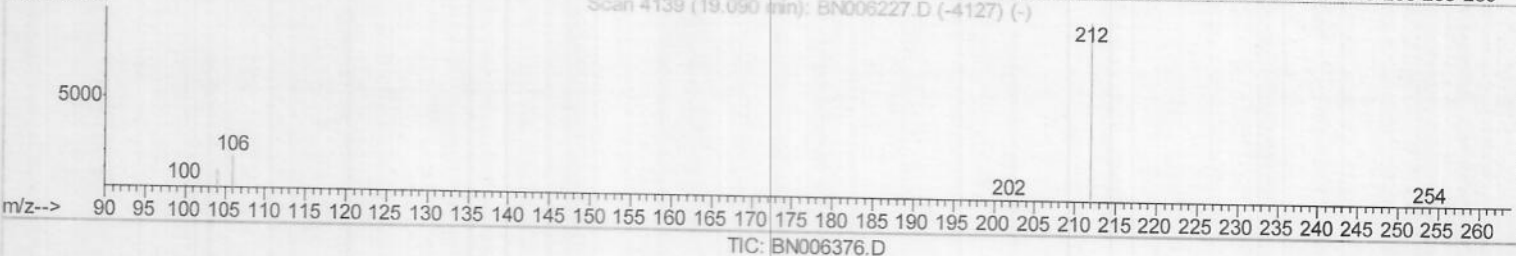
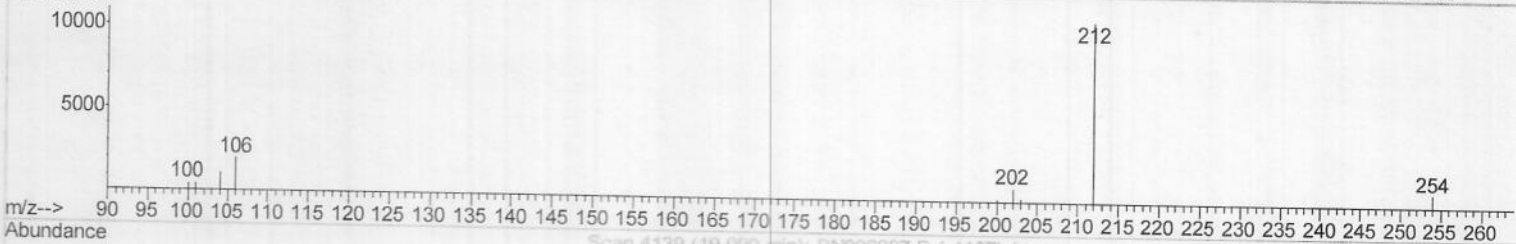
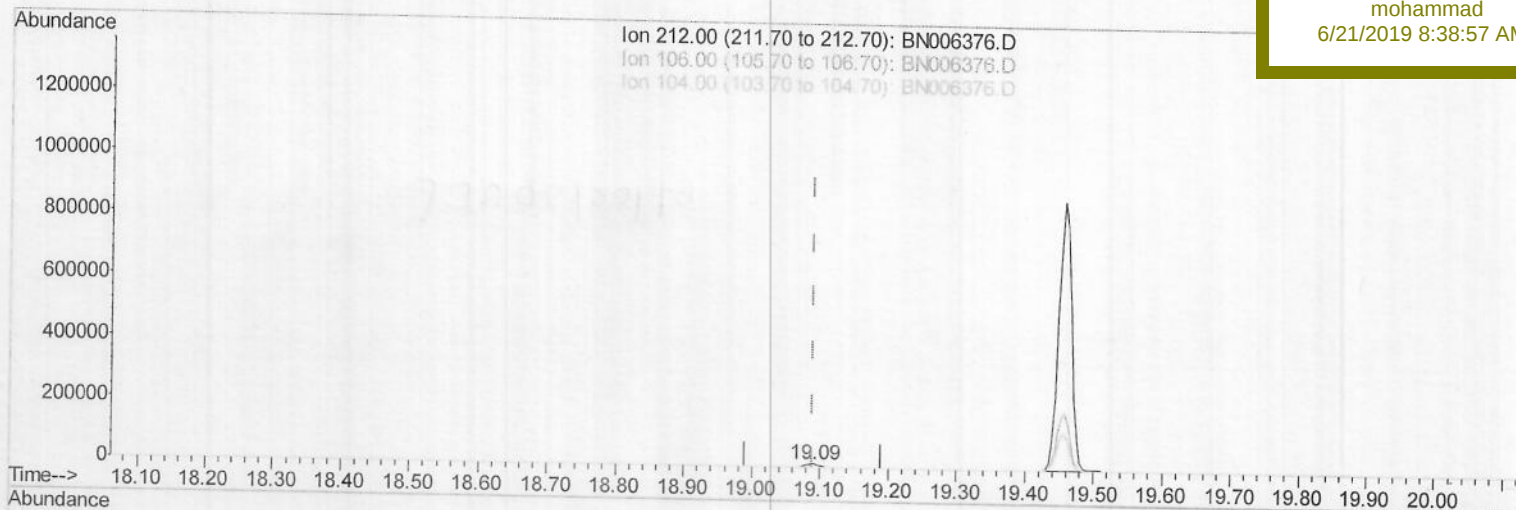
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(14) Fluoranthene-d10 (SURR)

19.090min (0.000) 0.02ng/ul m

> JU 06/25/19

response 14525

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

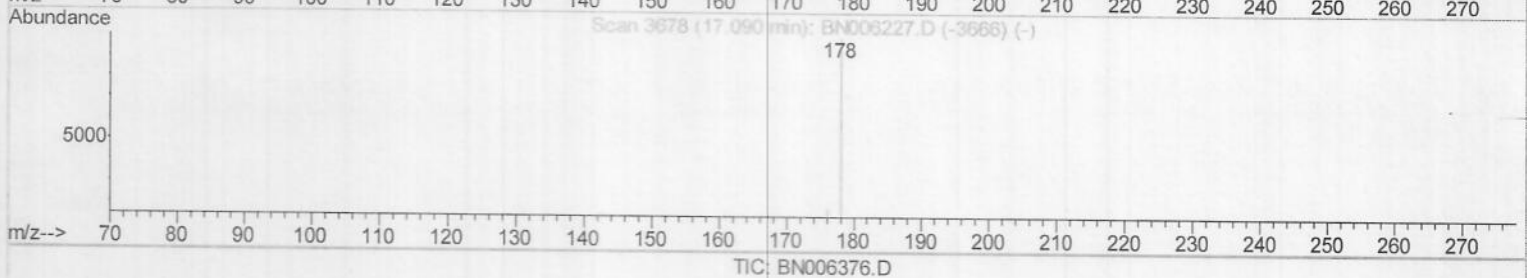
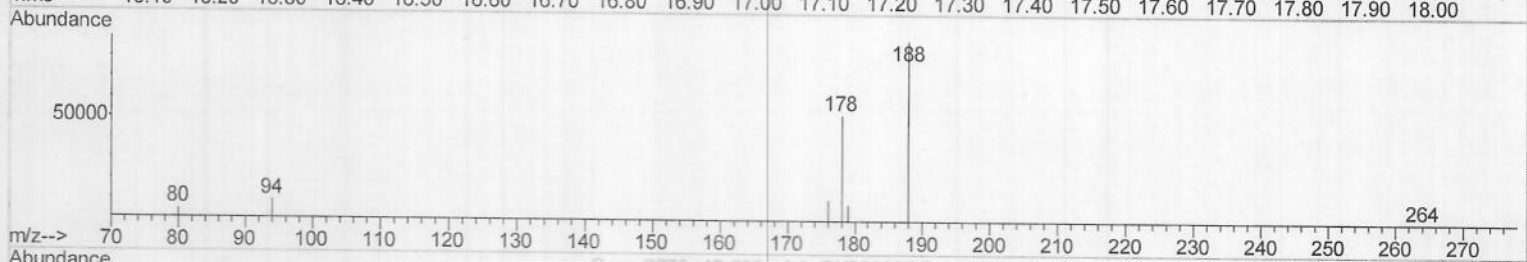
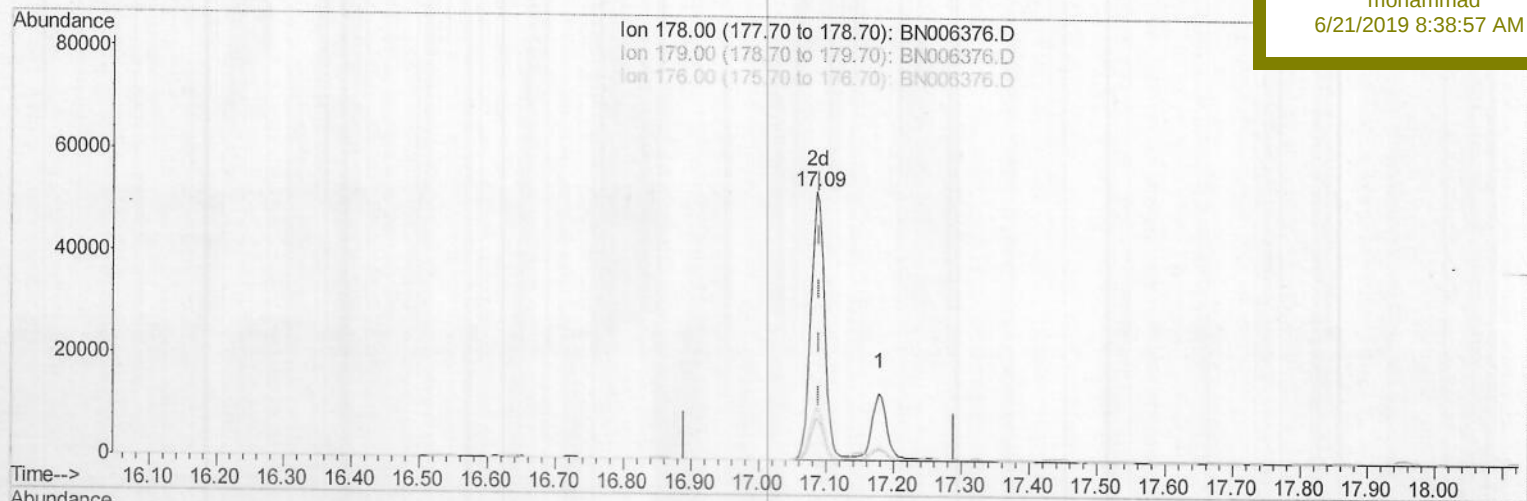
ClientSampled :

A4234

Manual Integrations
APPROVED

mohammad

6/21/2019 8:38:57 AM



(12) Phenanthrene

17.086min (-0.004) 0.08ng/ul m > JU 06/25/19

response 74428

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.40
176.00	19.10	19.58
0.00	0.00	0.00

Quantitation Report (Qedit)

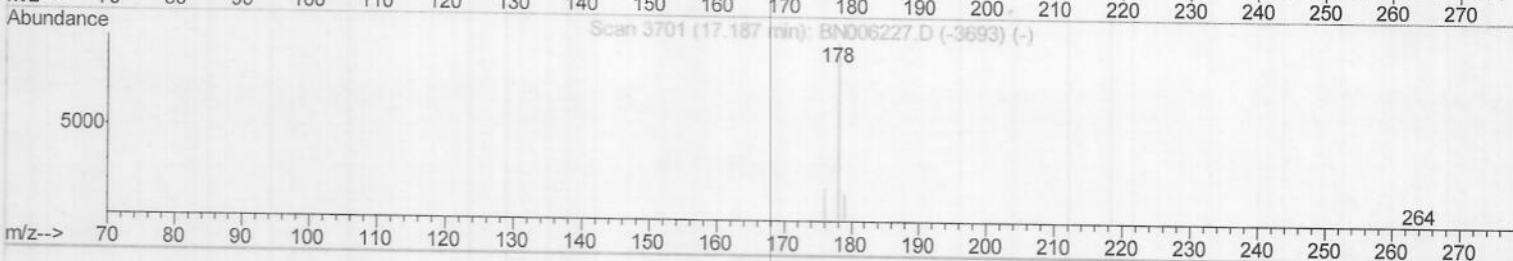
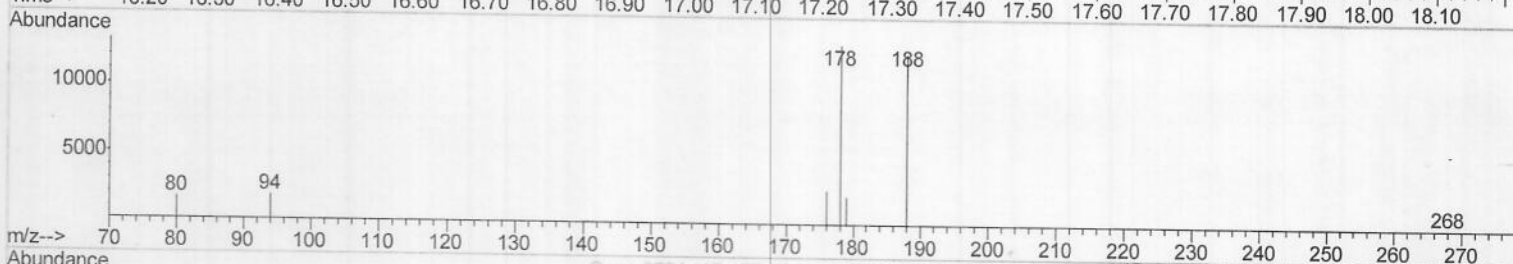
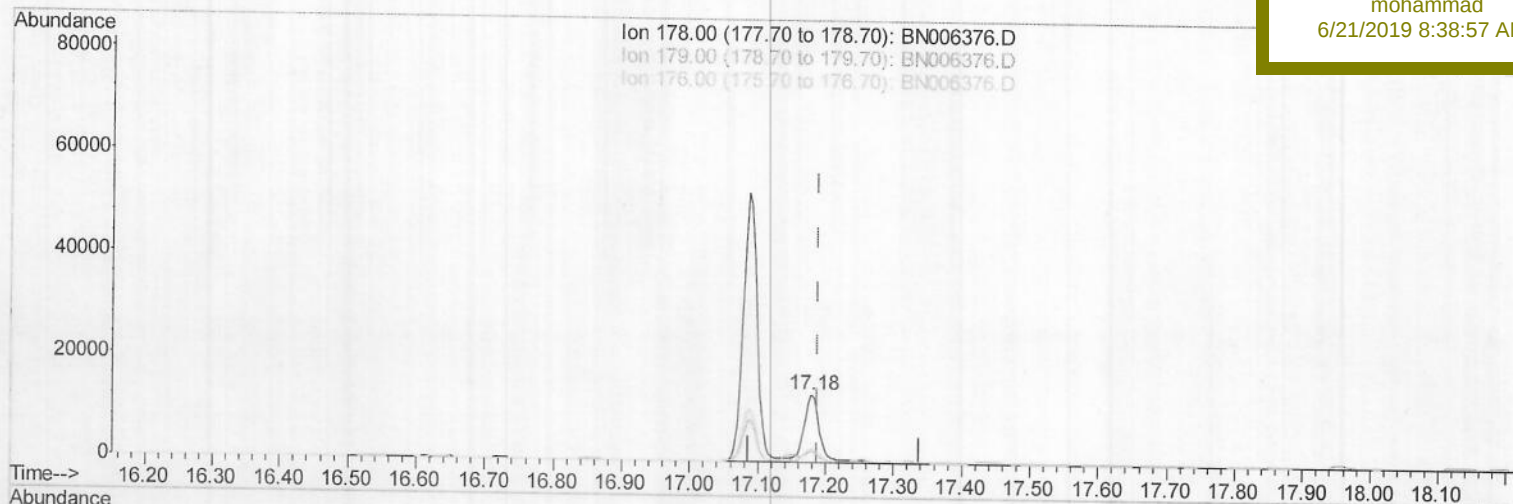
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Quant Time: Jun 18 16:42:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



TIC: BN006376.D

(13) Anthracene

17.179min (-0.008) 0.02ng/ul m

> JU 06/25/19

response 20166

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.33
176.00	18.90	19.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

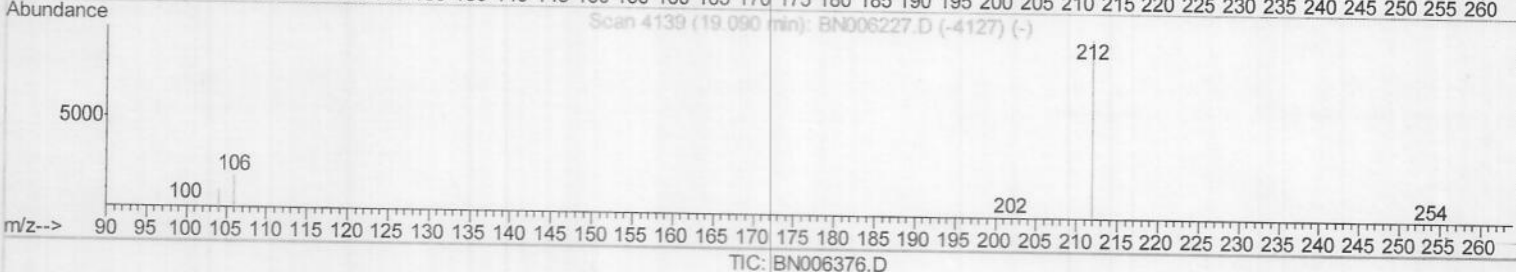
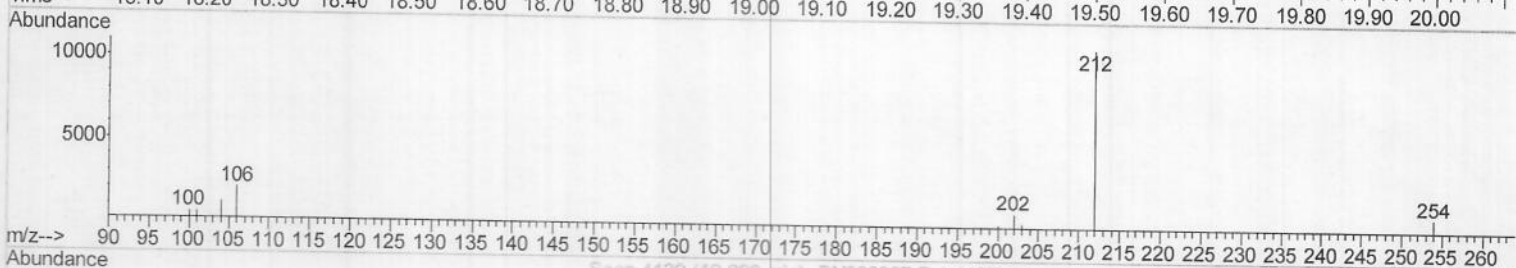
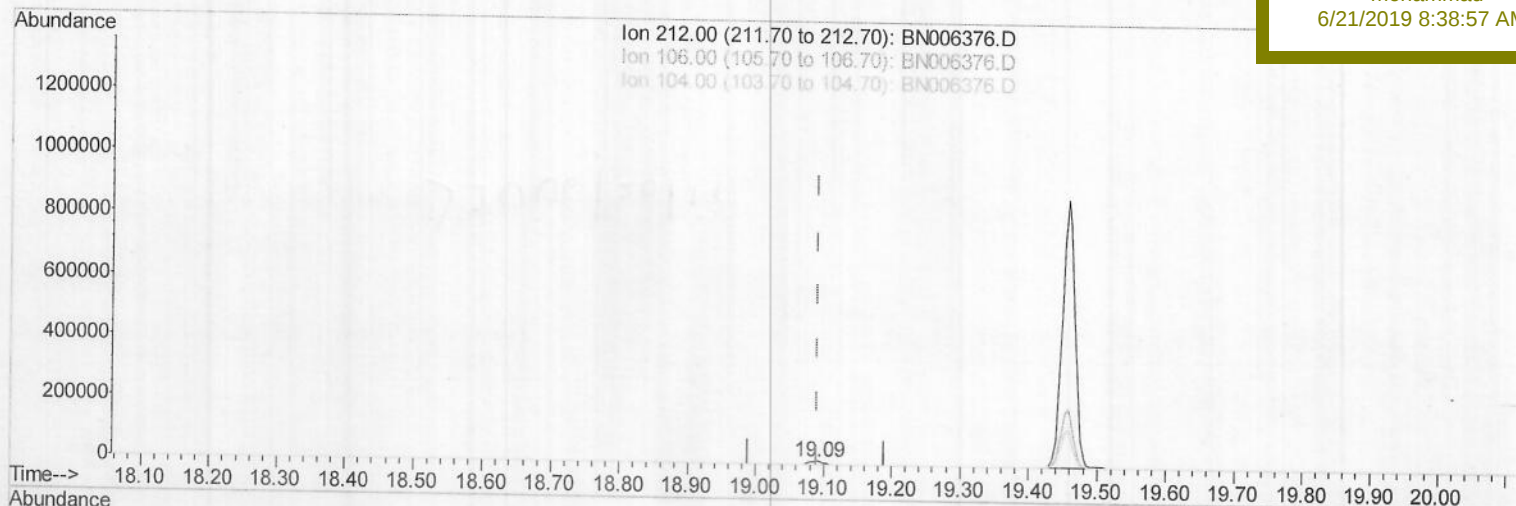
BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



TIC: BN006376.D

(14) Fluoranthene-d10 (SURR)

19.090min (0.000) 0.02ng/ul m

response 14466

Ion Exp% Act%

212.00 100 100

106.00 18.10 0.00#

104.00 9.90 0.00#

0.00 0.00 0.00

> JU 06/25/19

Quantitation Report (Qedit)

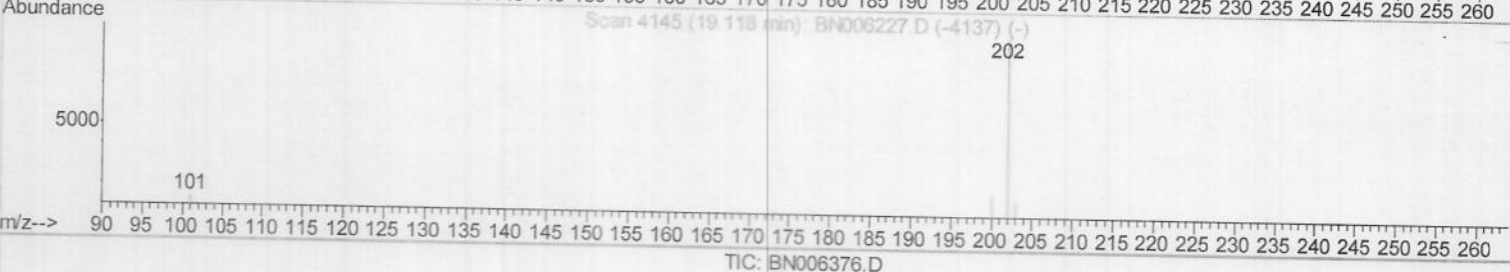
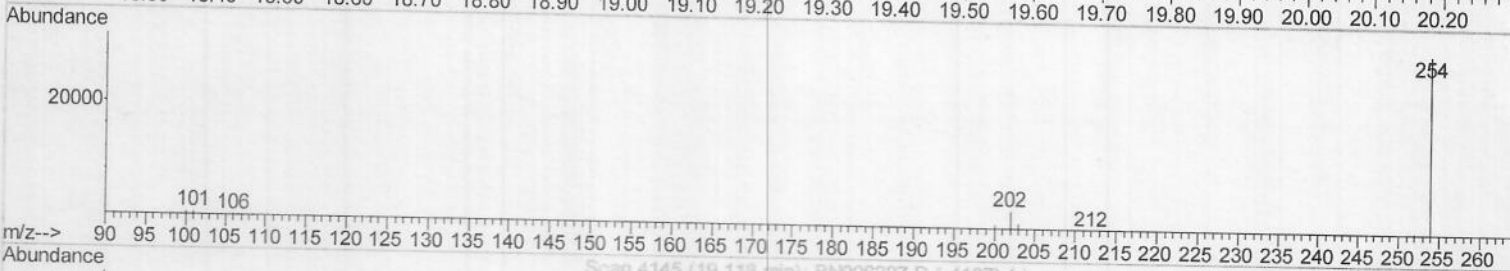
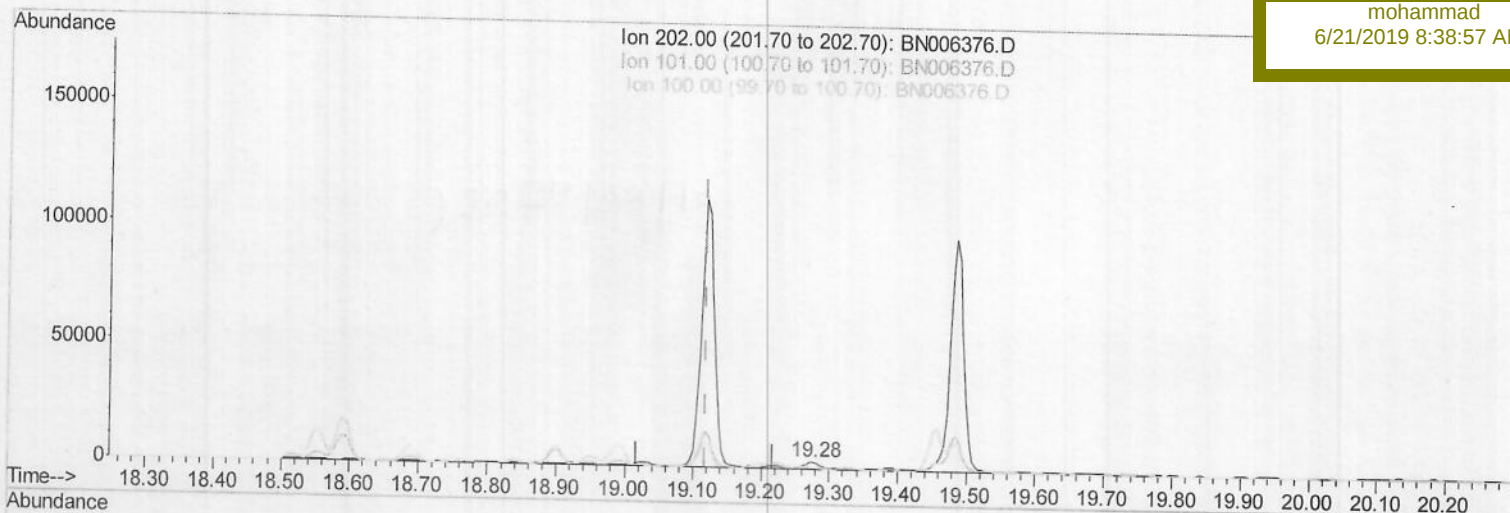
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



TIC: BN006376.D

(15) Fluoranthene (C)

19.276min (+0.158) 0.00ng/ul

response 3663

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	18.24
100.00	8.70	17.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

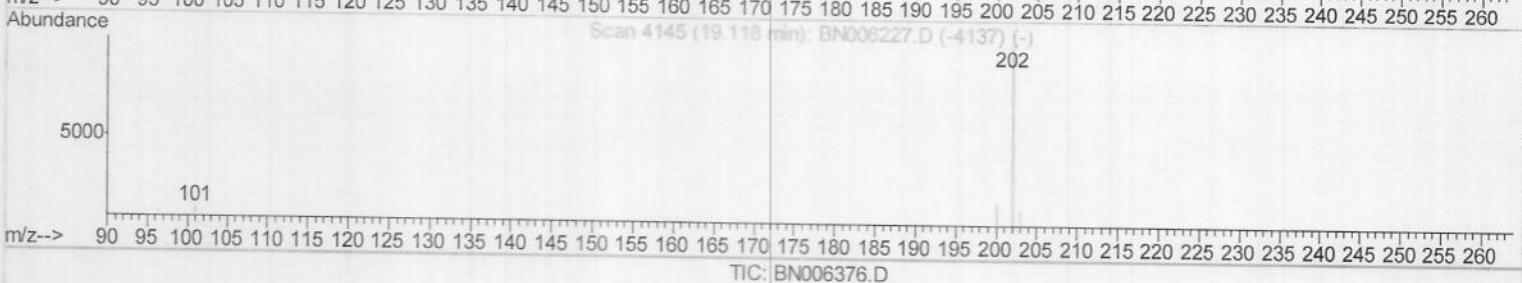
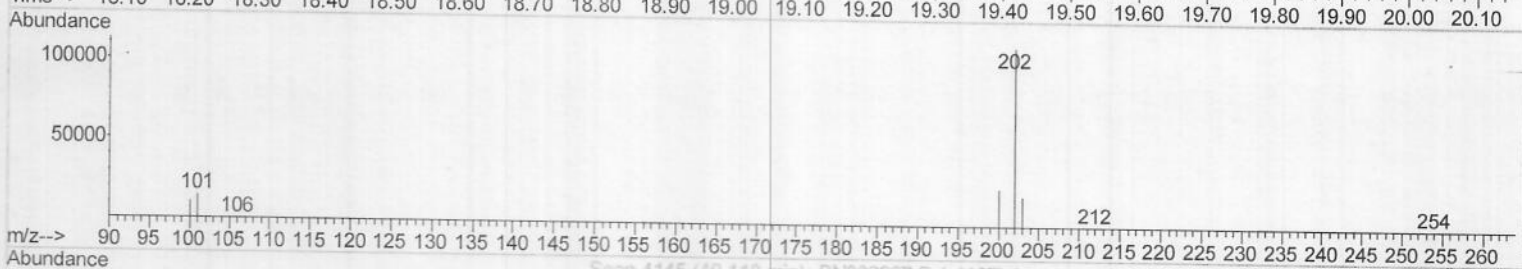
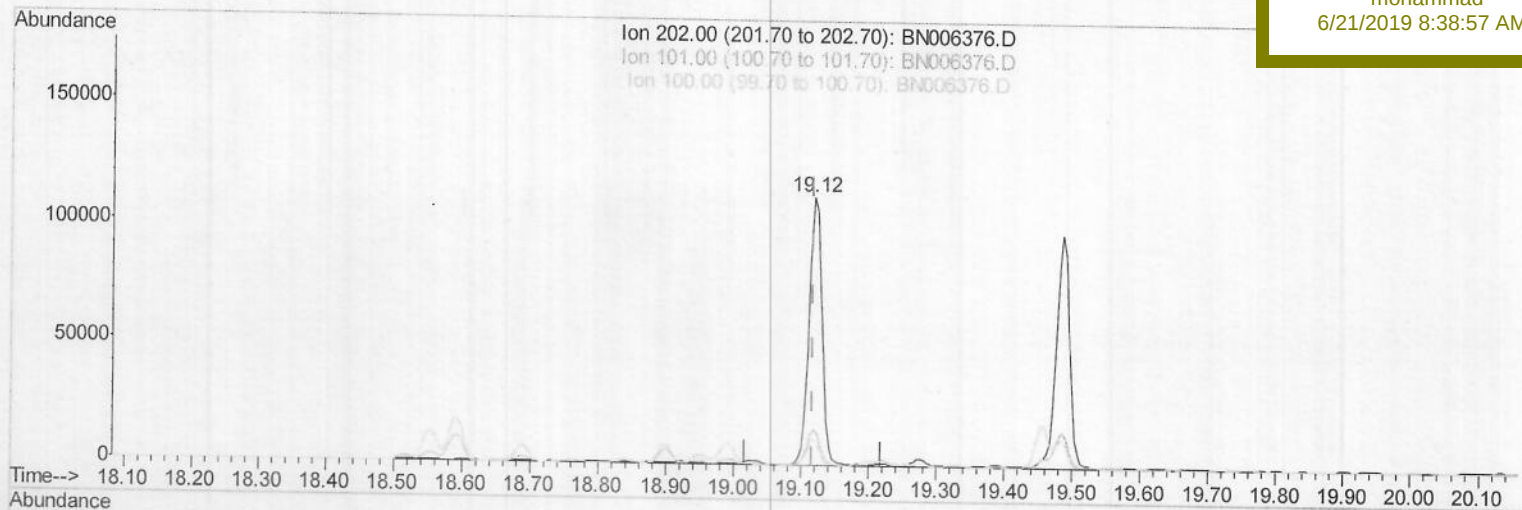
A4234

Manual Integrations

APPROVED

mohammad

6/21/2019 8:38:57 AM



(15) Fluoranthene (C)

19.118min (0.000) 0.15ng/ul m > JU 06/25/19

response 146685

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.20
100.00	8.70	9.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

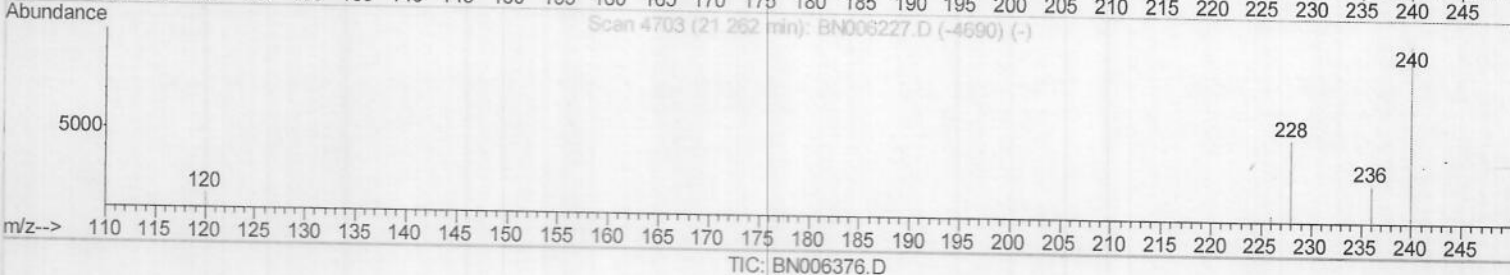
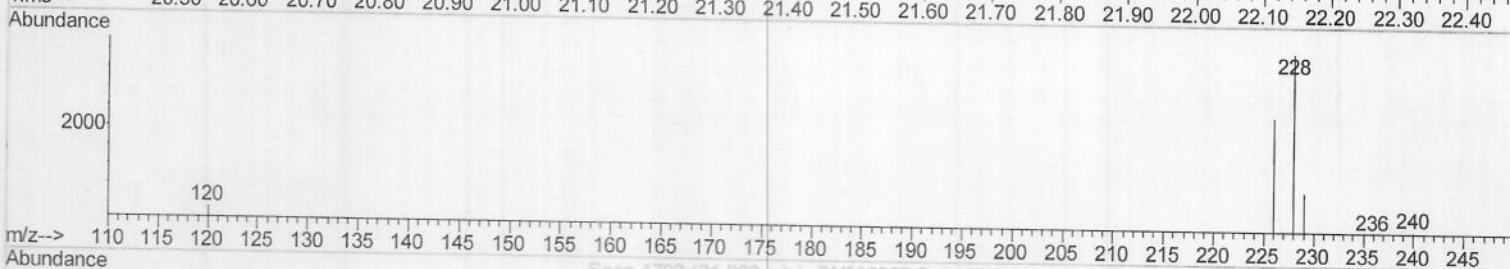
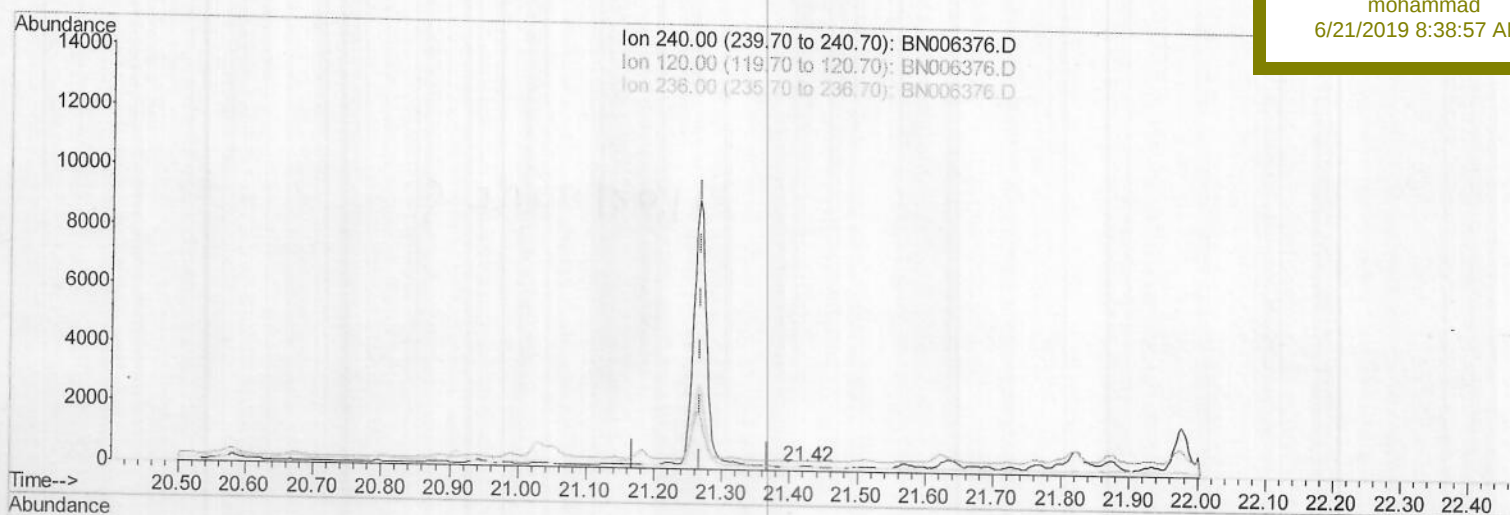
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

(16) Chrysene-d12 (I)

21.423min (+0.155) 0.40ng/ul

response 84

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	216.25#
236.00	30.10	78.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:42:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

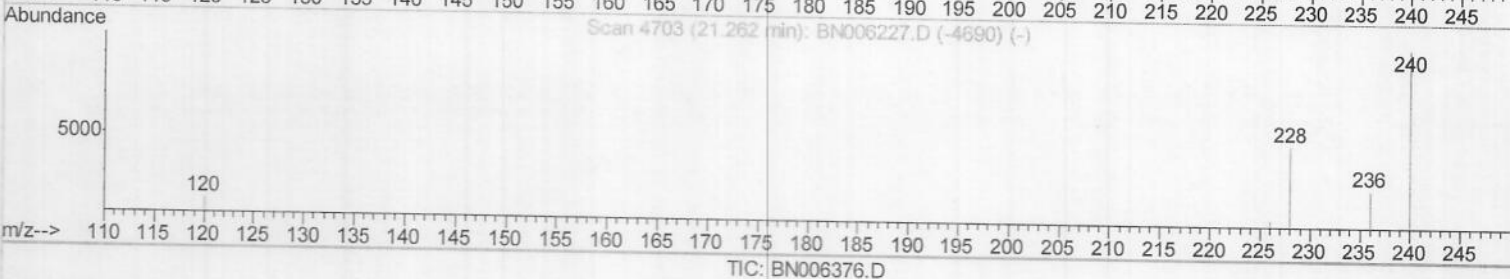
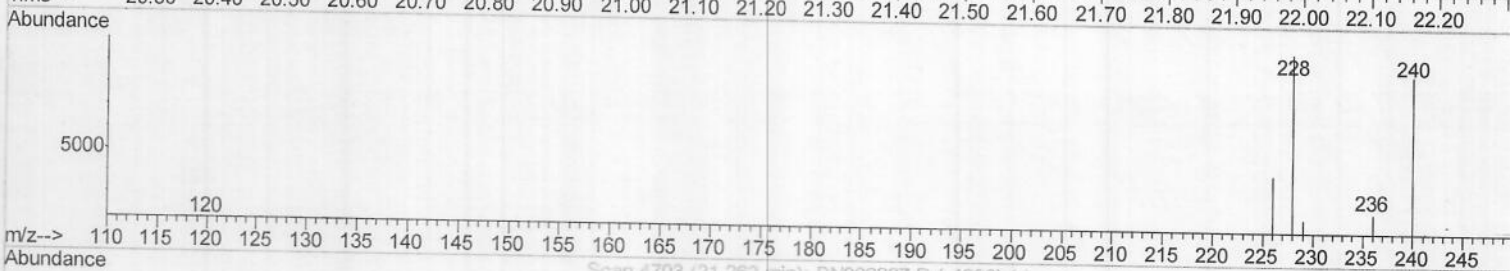
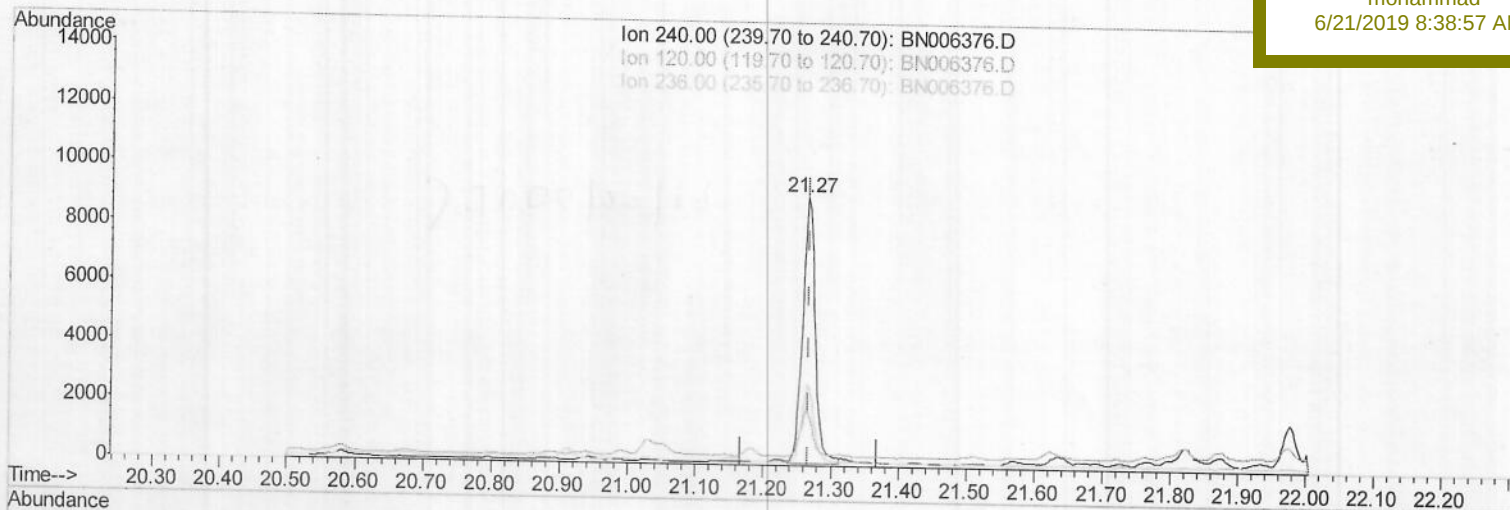
A4234

Manual Integrations

APPROVED

mohammad

6/21/2019 8:38:57 AM



(16) Chrysene-d12 (I)

21.265min (-0.003) 0.40ng/ul m

> JU 06/25/19

response 11597

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	20.48
236.00	30.10	30.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

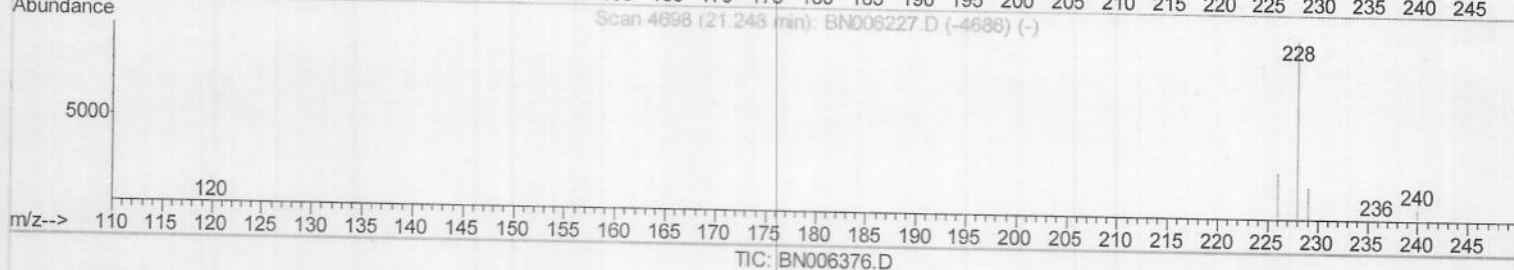
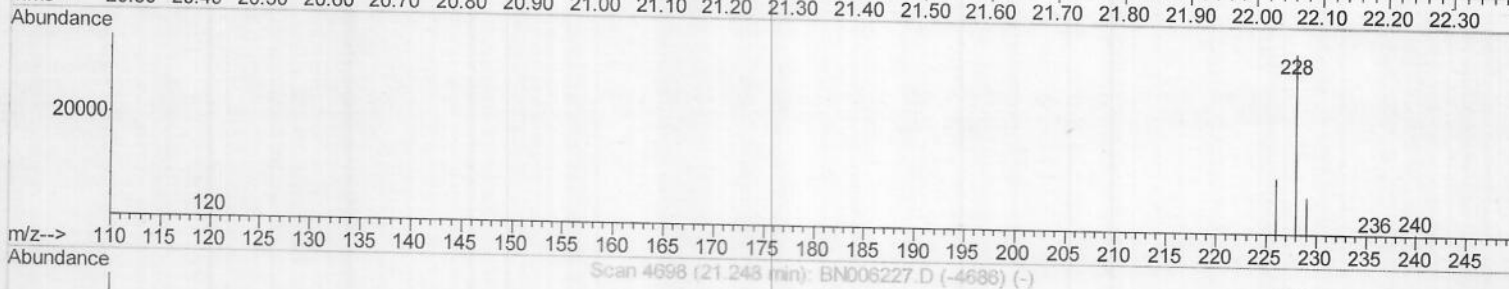
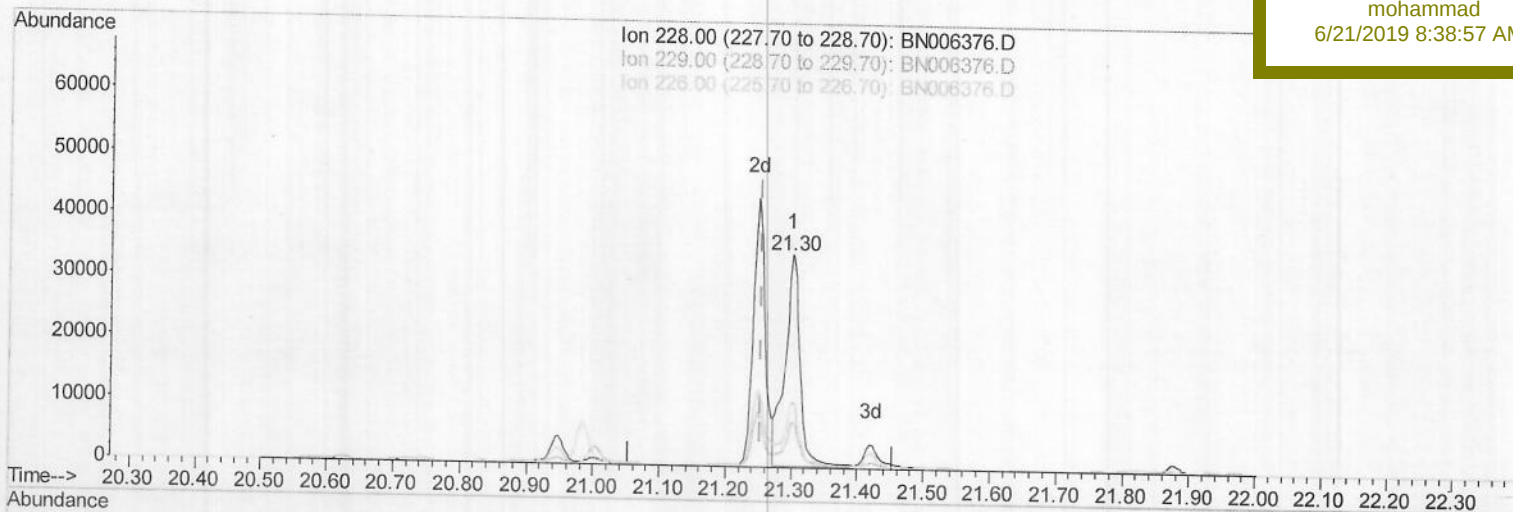
Quant Time: Jun 18 16:45:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

(18) Benzo(a)anthracene

21.300min (+0.047) 1.10ng/ul

response 56192

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.22
226.00	28.50	31.35
0.00	0.00	0.00

Quantitation Report (Qedit)

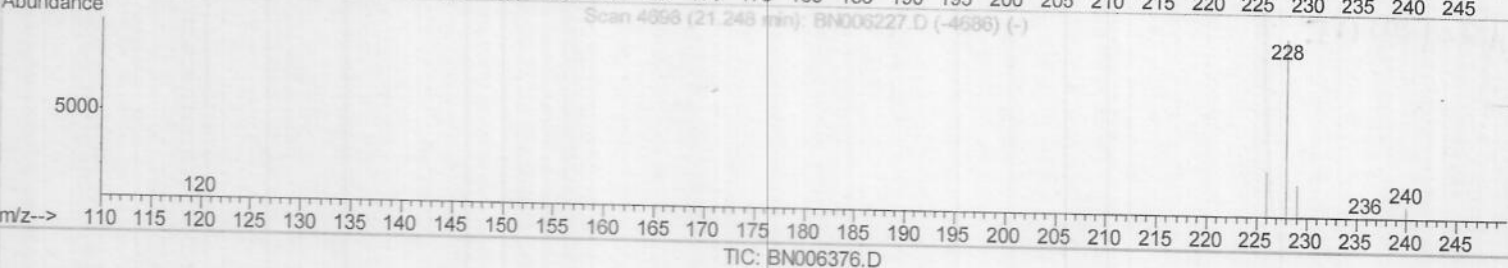
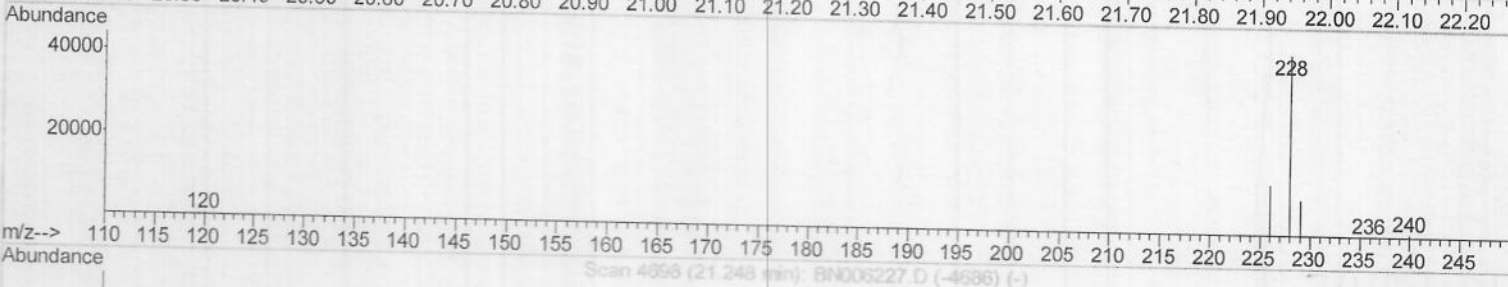
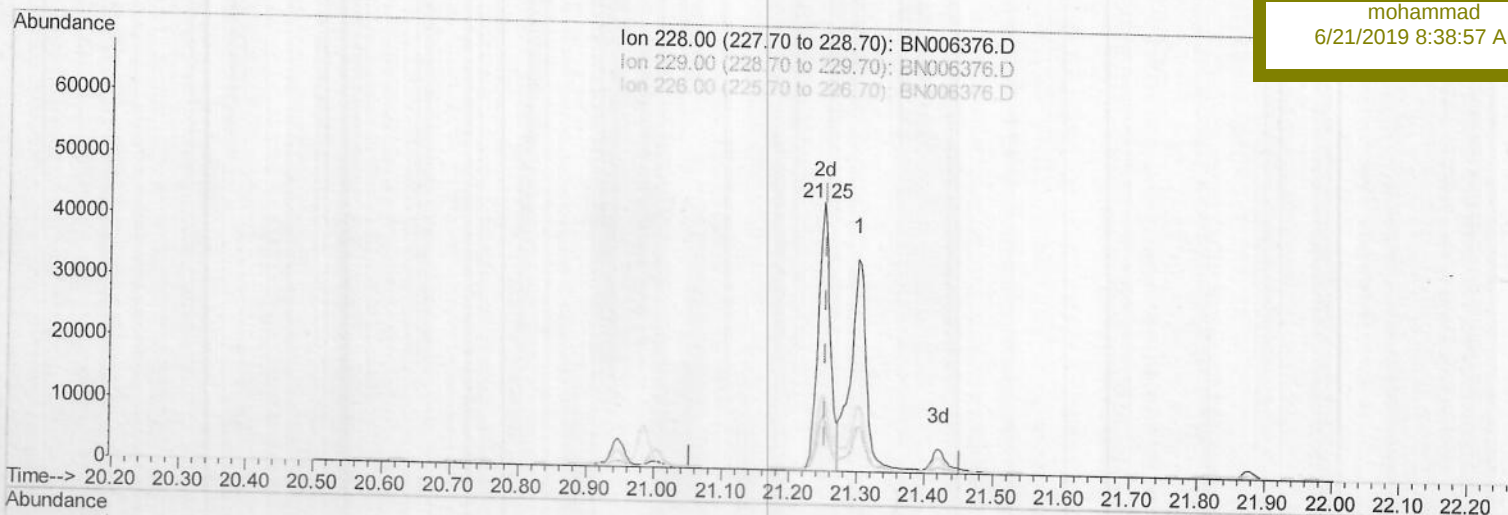
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Quant Time: Jun 18 16:45:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(18) Benzo(a)anthracene

21.248min (-0.006) 1.08ng/ul m > JU 06/25/19

response 55442

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	20.26
226.00	28.50	28.57
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:45:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

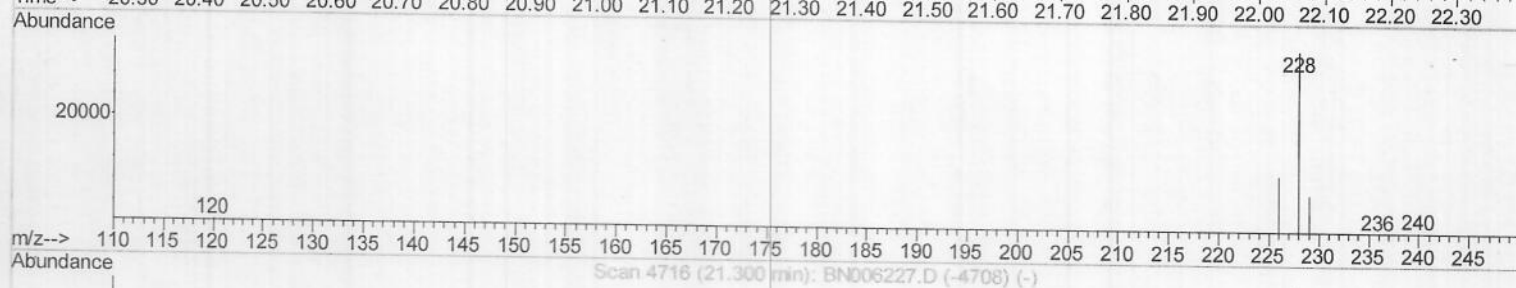
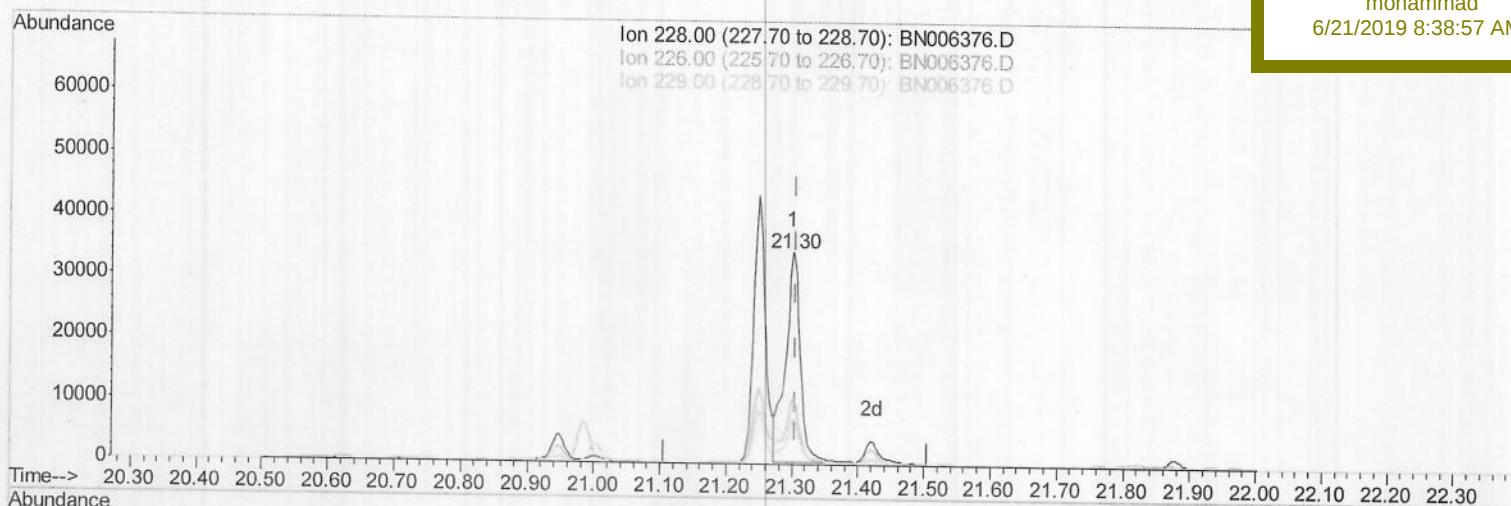
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

TIC: BN006376.D

(19) Chrysene

21.300min (-0.006) 1.13ng/ul

response 54270

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	31.35
229.00	20.40	21.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:45:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

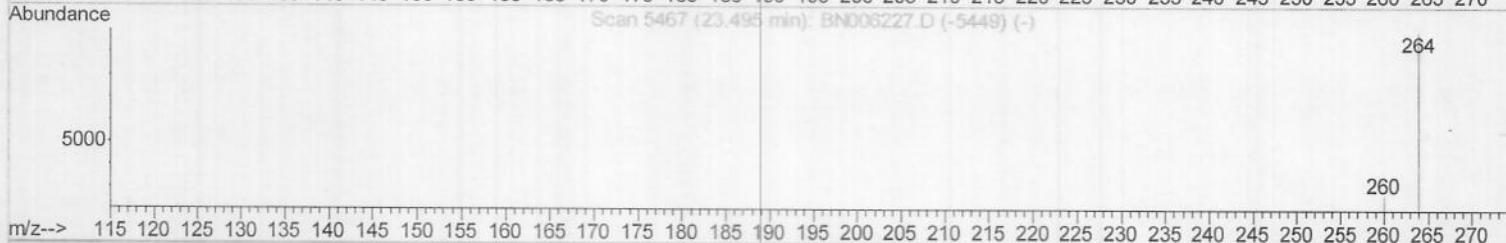
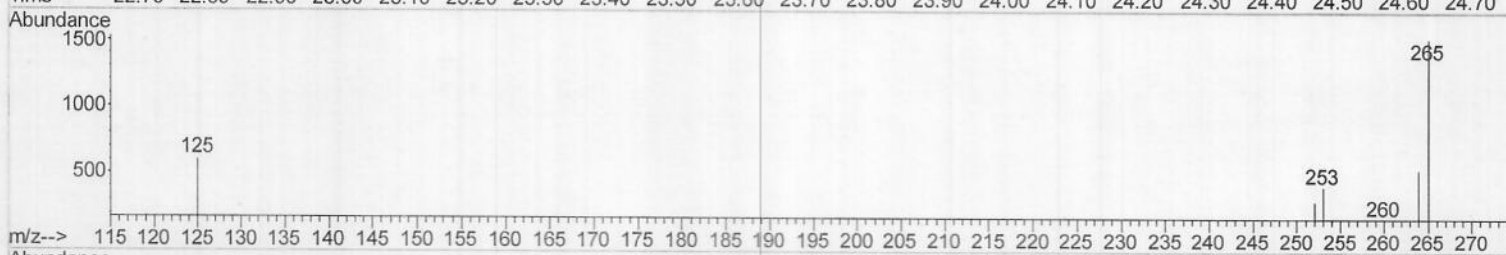
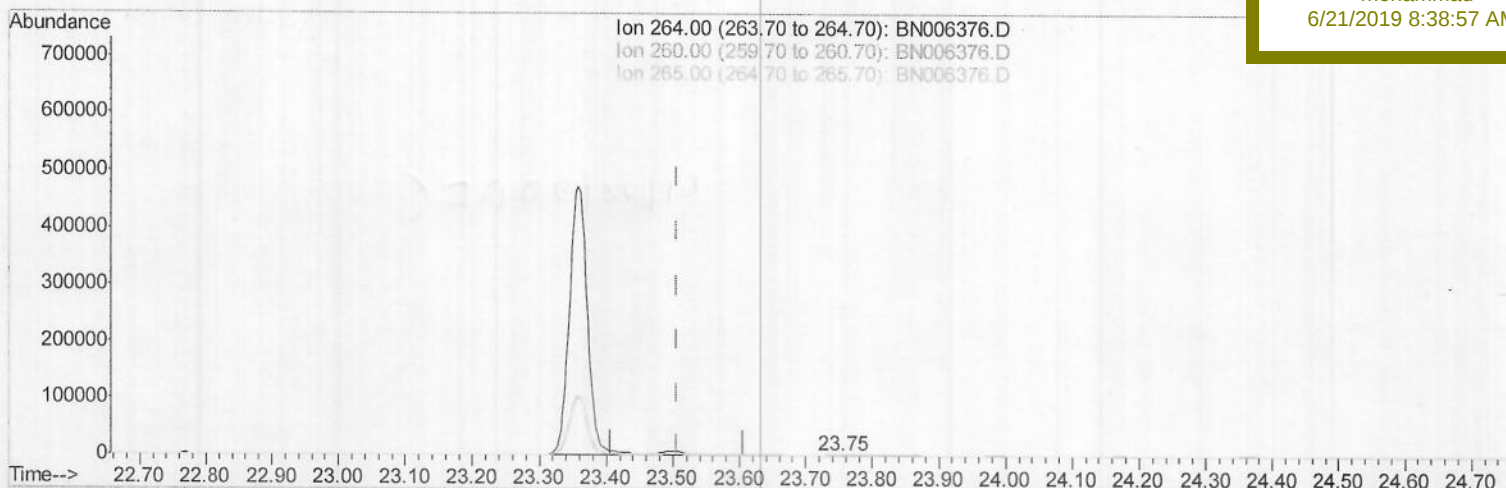
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

TIC: BN006376.D

(20) Perylene-d12 (I)

23.753min (+0.247) 0.40ng/ul

response 87

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	31.41
265.00	44.70	283.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

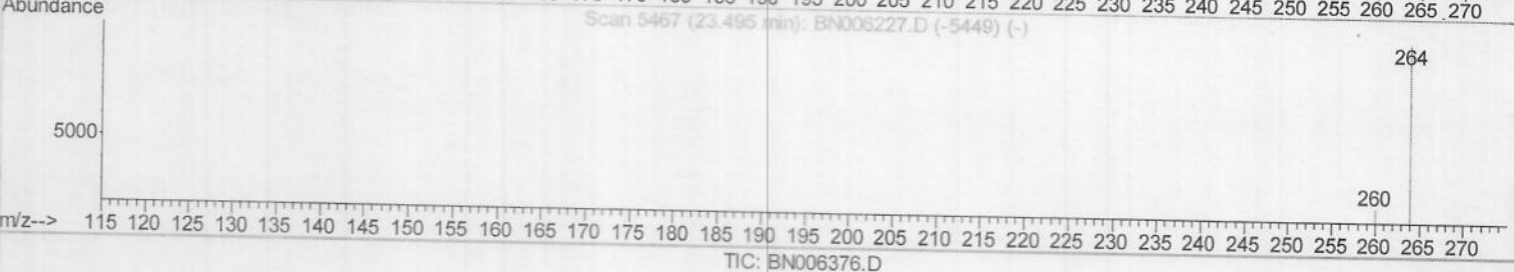
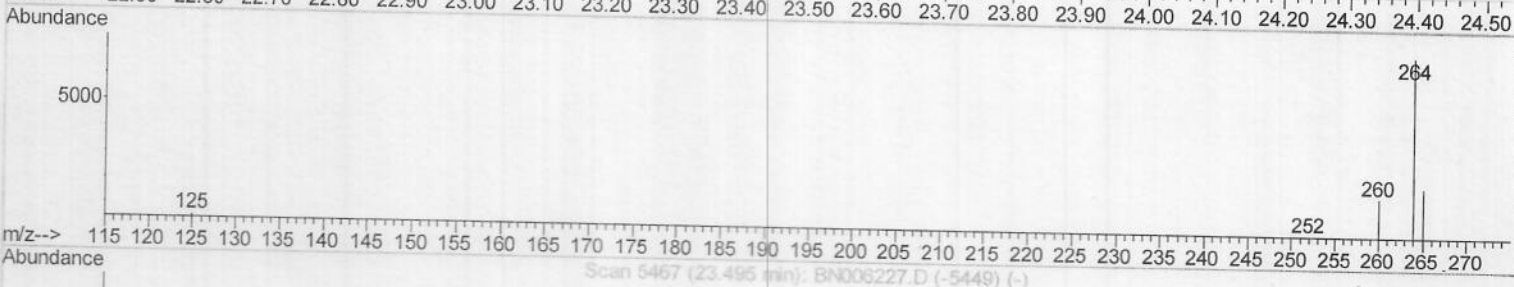
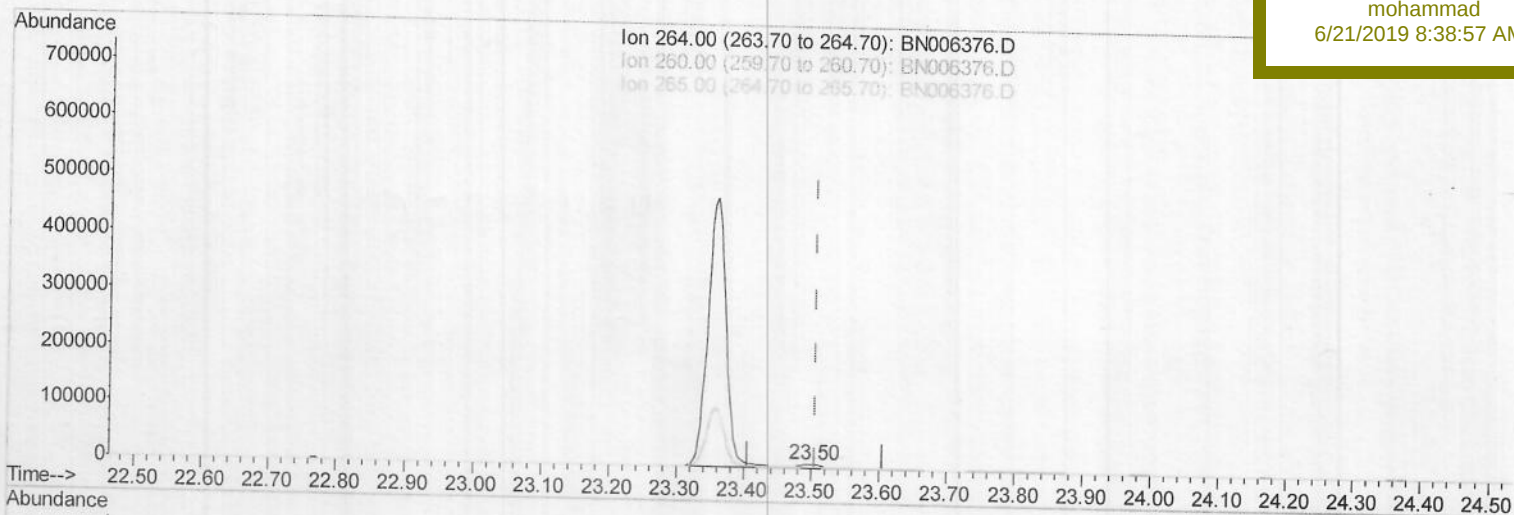
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:45:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(20) Perylene-d12 (I)

23.501min (-0.005) 0.40ng/ul m

response 10425

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.32
265.00	44.70	32.14#
0.00	0.00	0.00

> JU 06/25/19

Quantitation Report (Qedit)

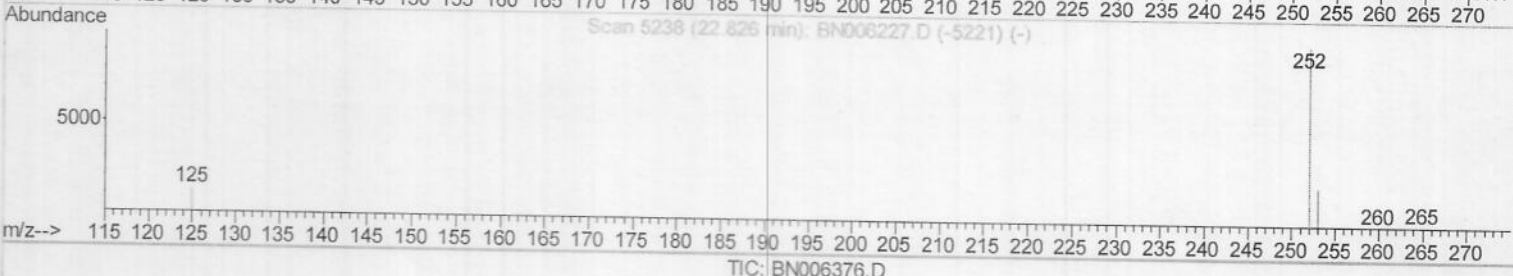
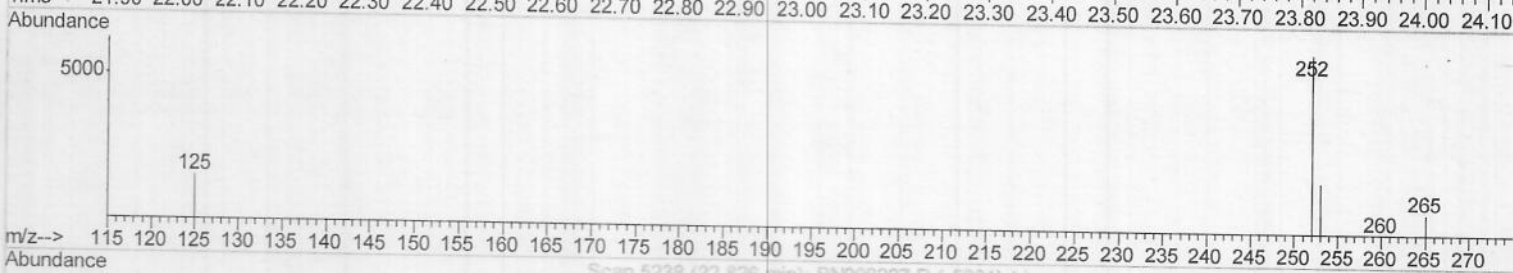
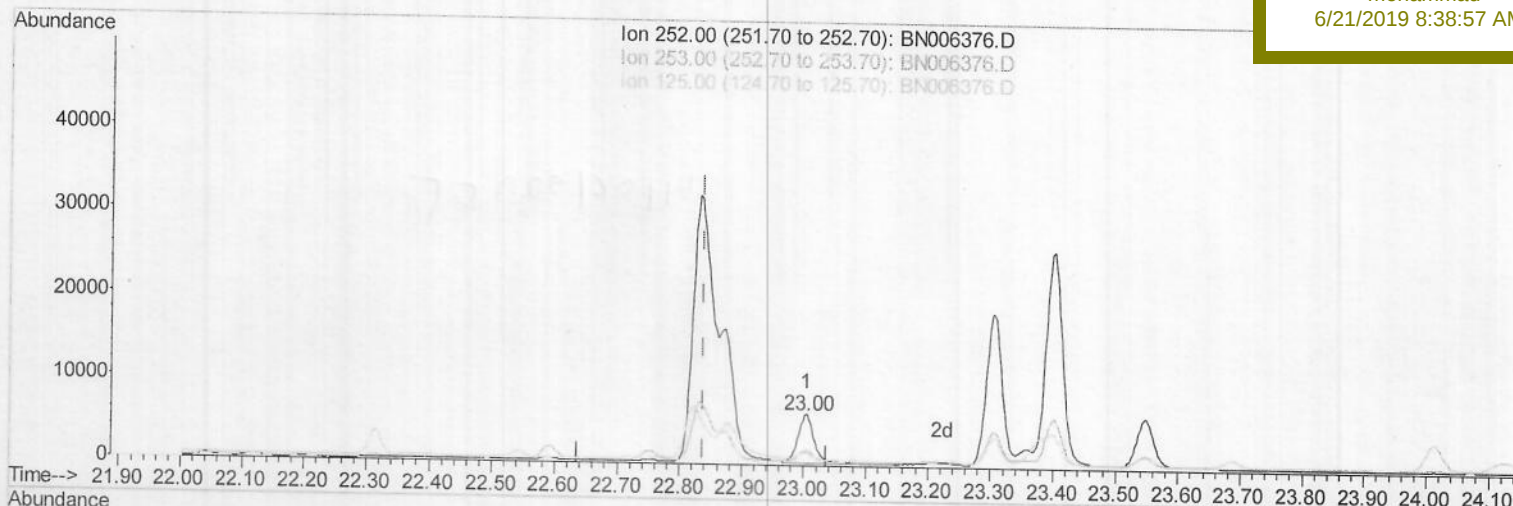
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



TIC: BN006376.D

(21) Benzo(b)fluoranthene
 23.004min (+0.167) 0.25ng/ul
 response 10877

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.01
125.00	20.50	25.82
0.00	0.00	0.00

Quantitation Report (Qedit)

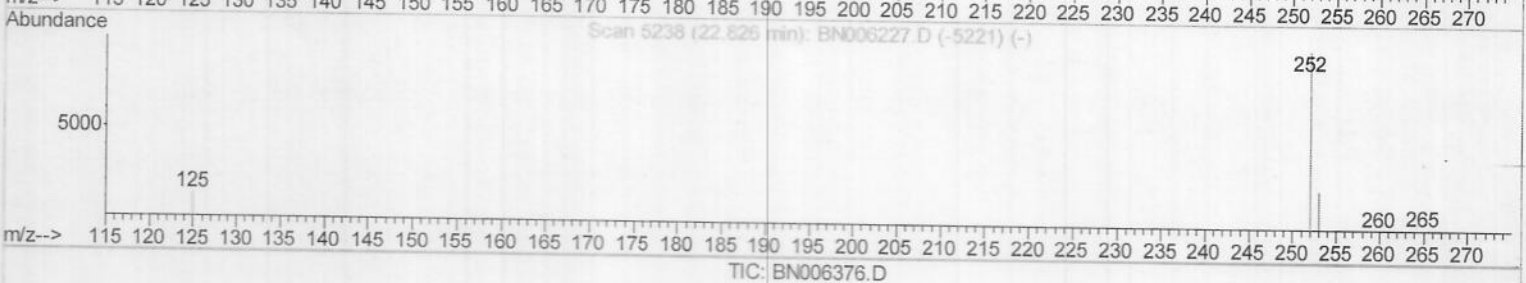
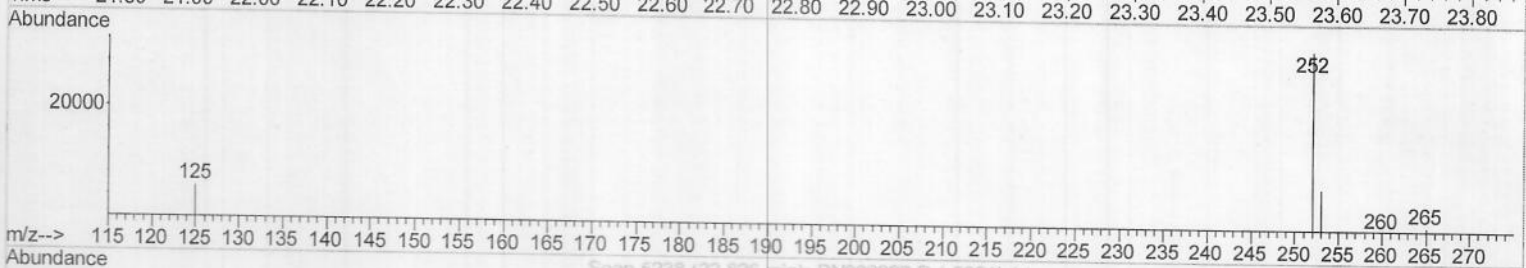
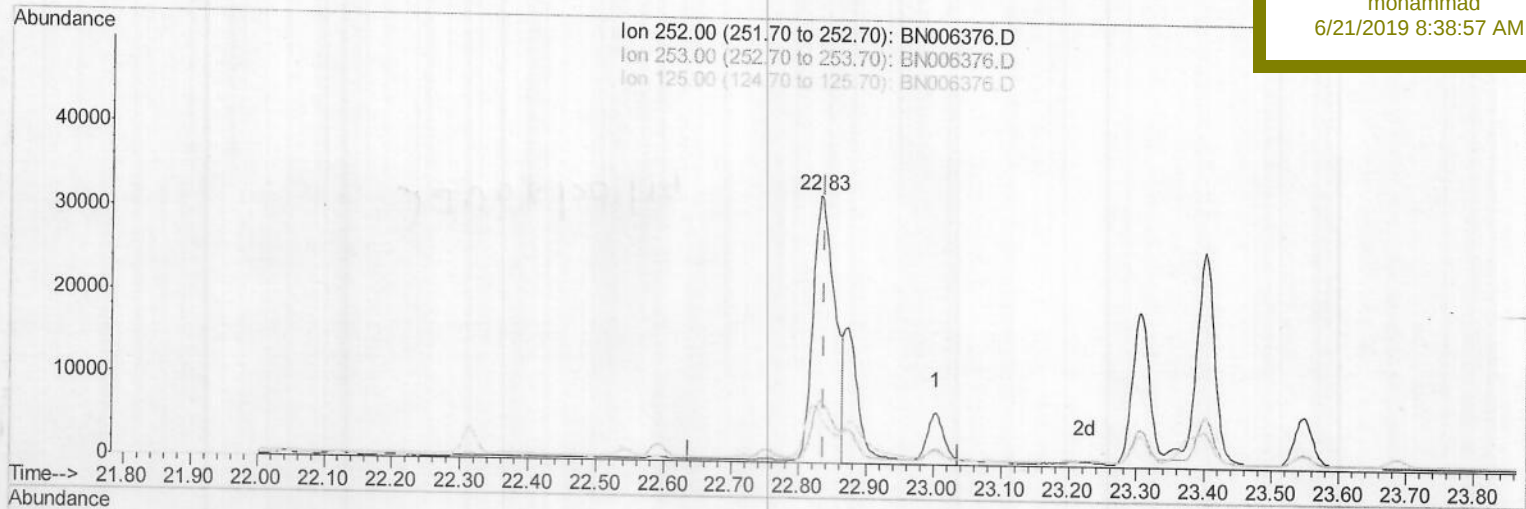
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(21) Benzo(b)fluoranthene

22.832min (-0.006) 1.65ng/ul m > JU 06/25/19

response 71810

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.12
125.00	20.50	17.63
0.00	0.00	0.00

Quantitation Report (Qedit)

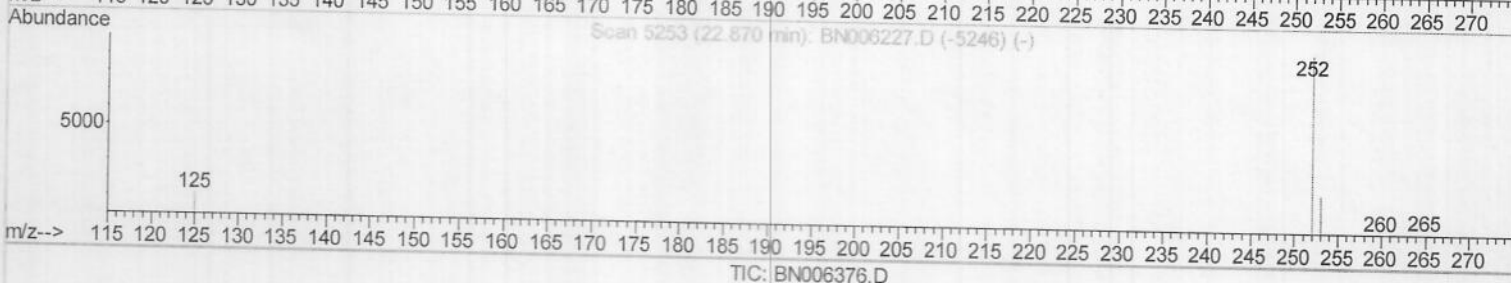
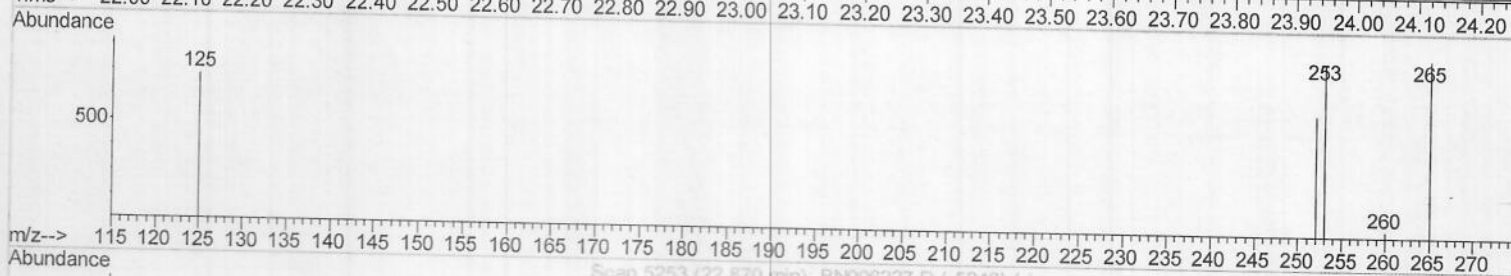
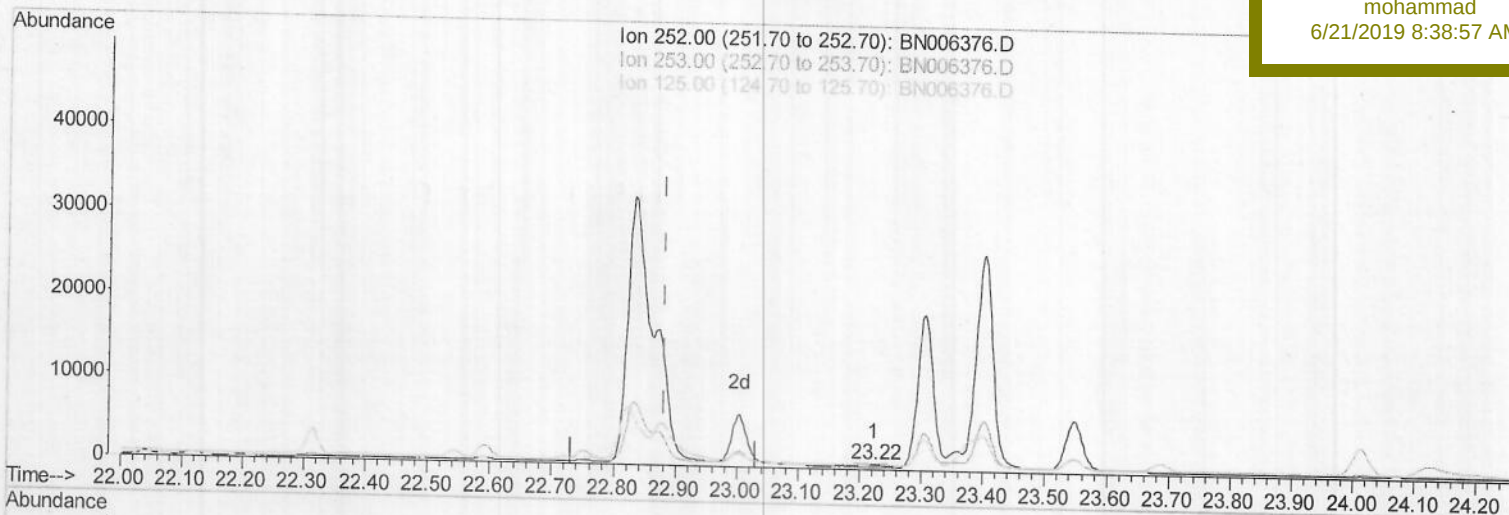
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampled :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(22) Benzo(k)fluoranthene
 23.223min (+0.342) 0.02ng/ul
 response 802

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	134.58#
125.00	17.90	115.93#
0.00	0.00	0.00

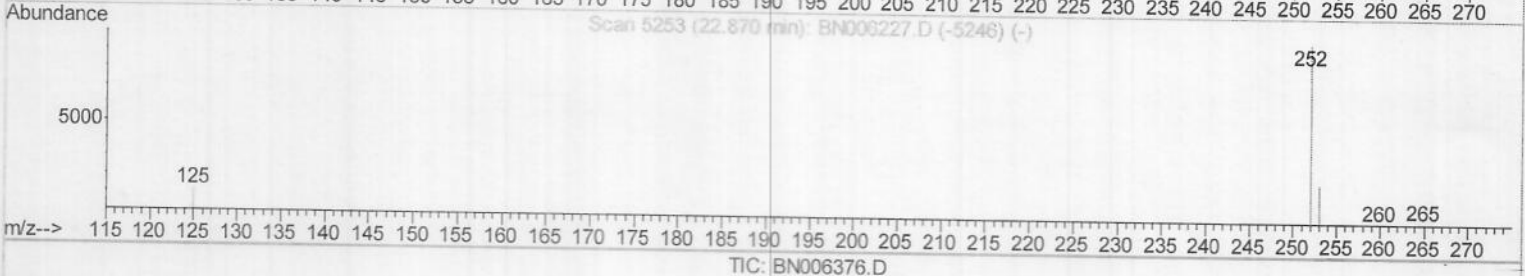
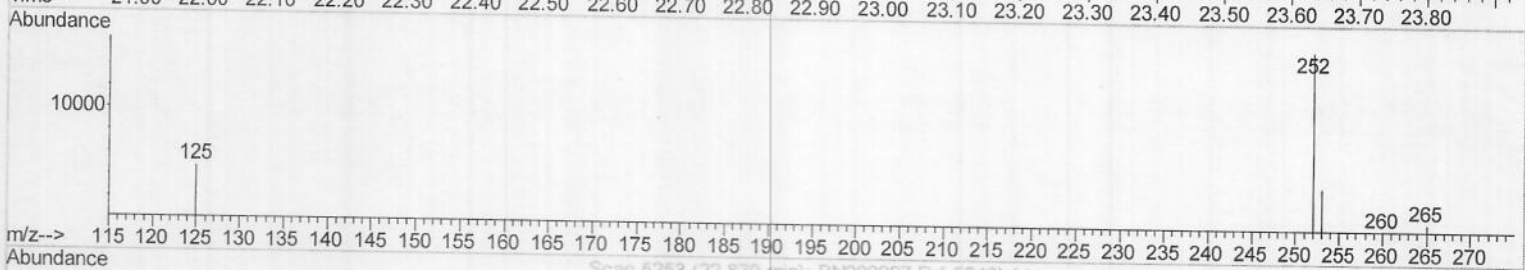
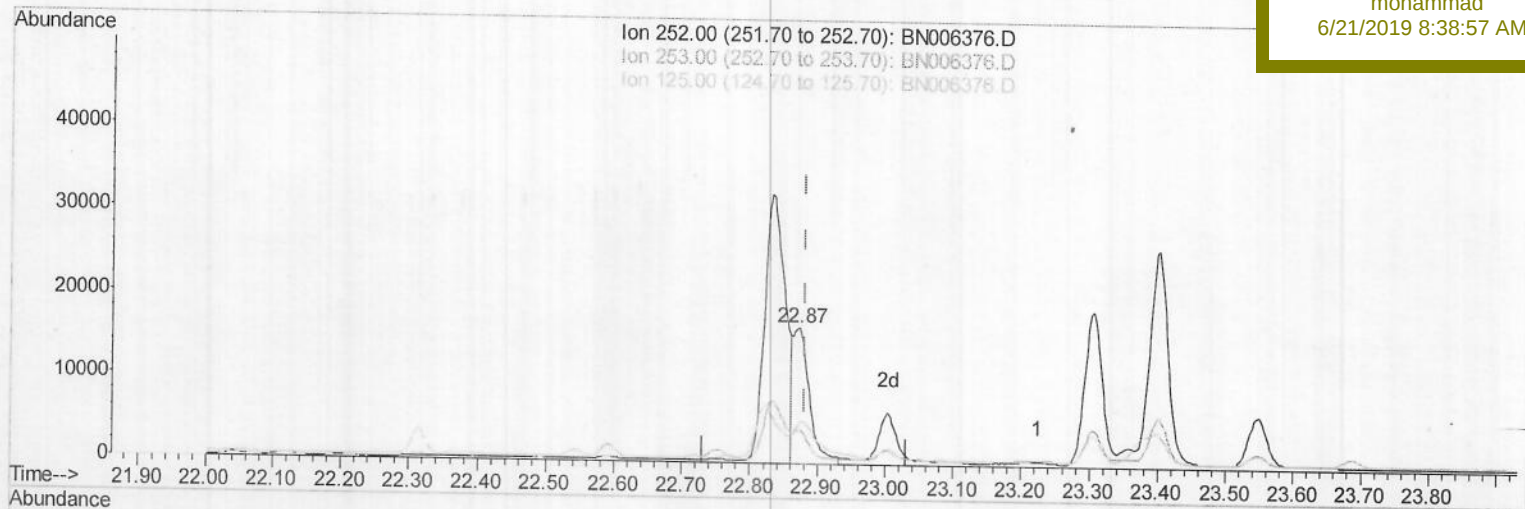
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



(22) Benzo(k)fluoranthene

22.873min (-0.009) 0.65ng/ul m

response 27521

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	24.50
125.00	17.90	29.36#
0.00	0.00	0.00

> JU 06/25/19

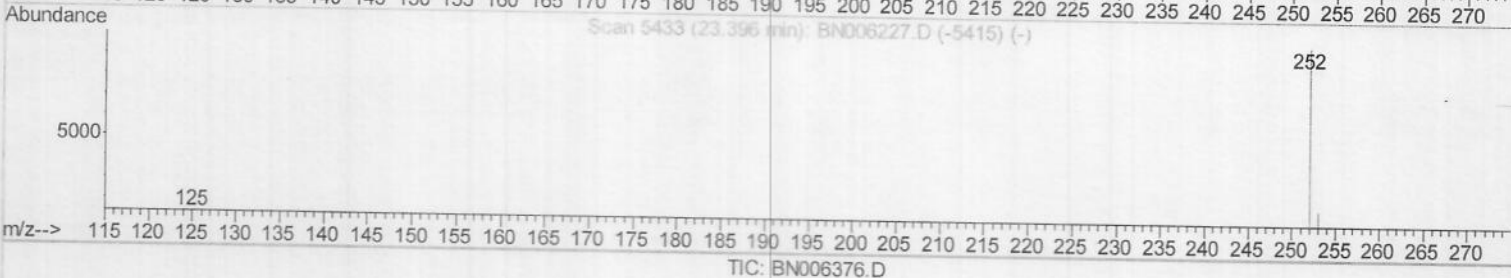
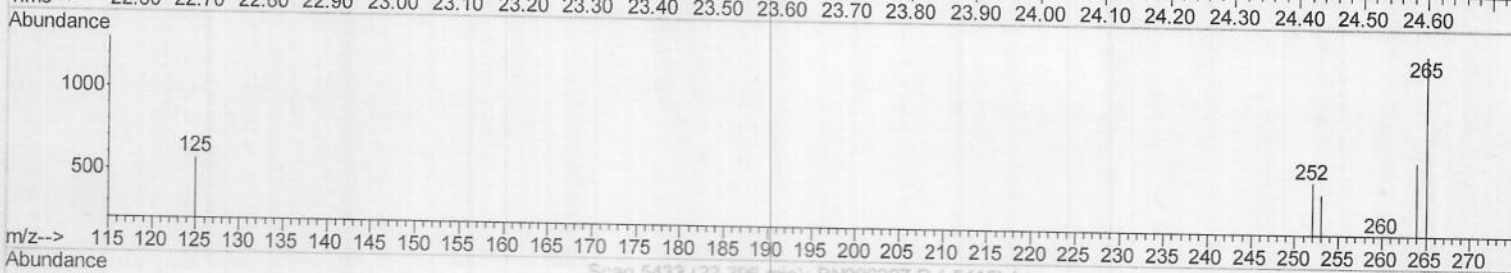
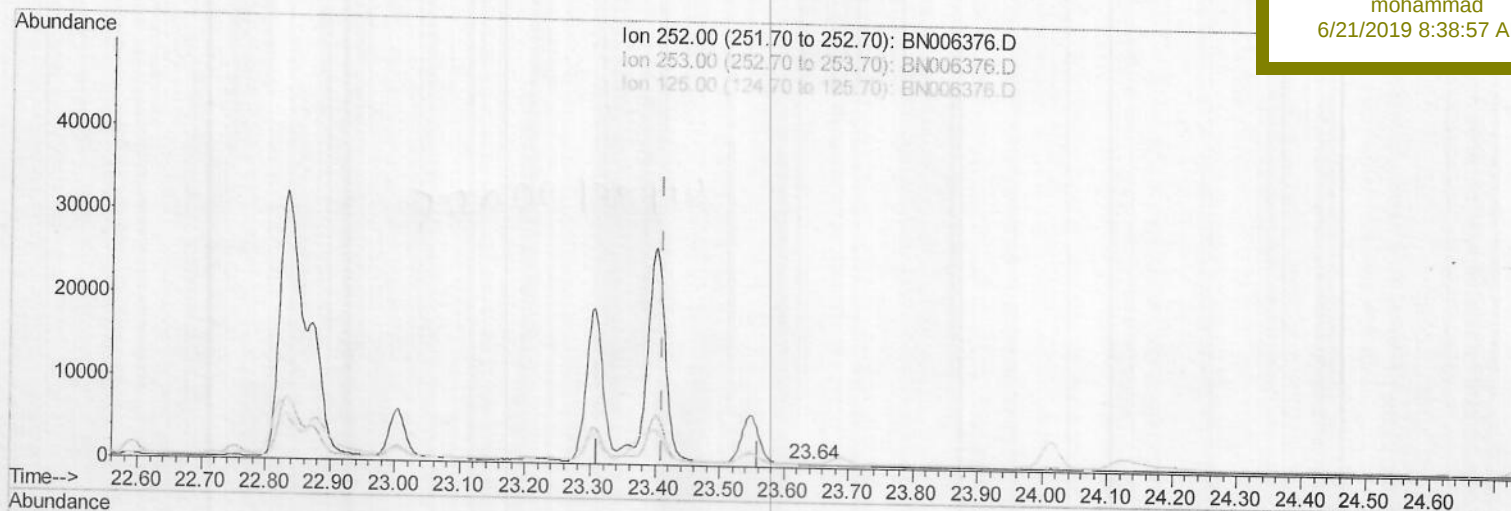
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



(23) Benzo(a)pyrene (C)

23.644min (+0.234) 0.01ng/ul

response 570

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	85.22#
125.00	25.40	109.40#
0.00	0.00	0.00

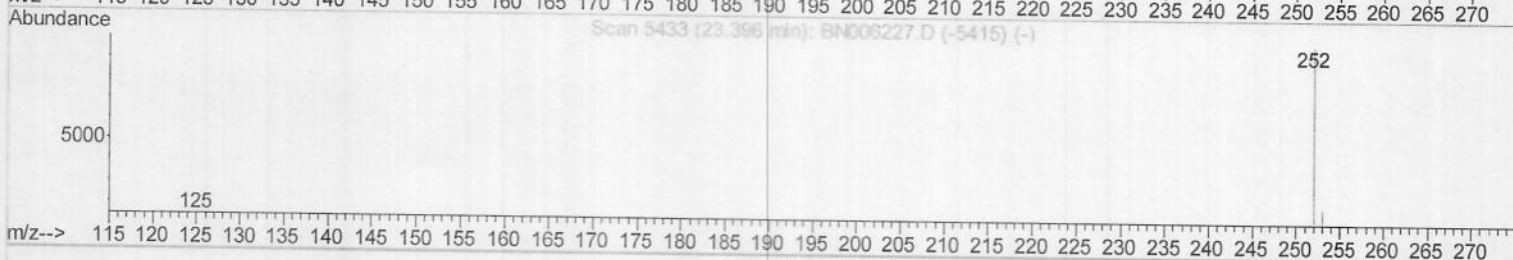
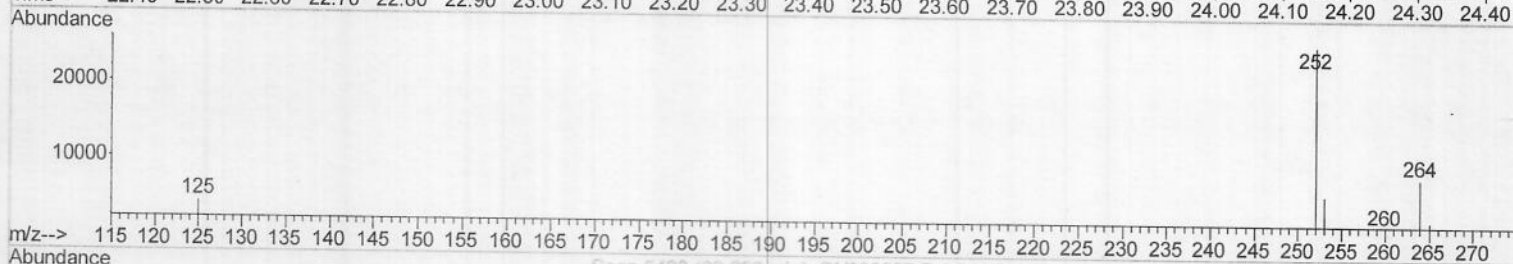
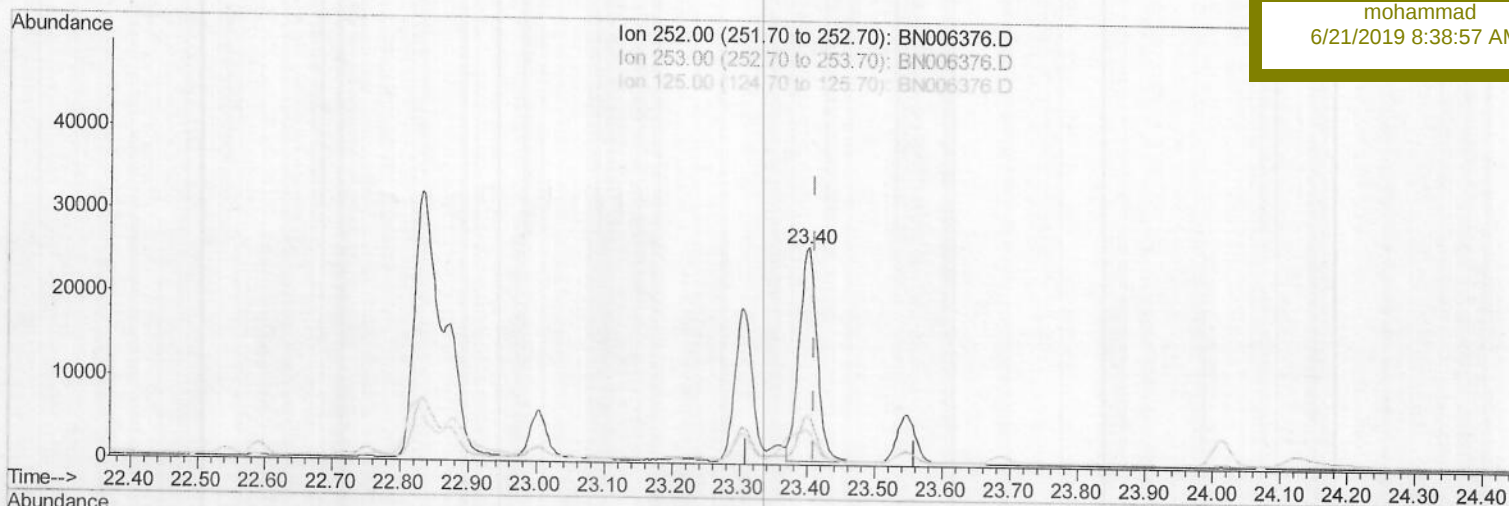
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



TIC: BN006376.D

(23) Benzo(a)pyrene (C)

23.402min (-0.009) 1.16ng/ul m

> JU 06/25/19

response 46947

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	22.97
125.00	25.40	15.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

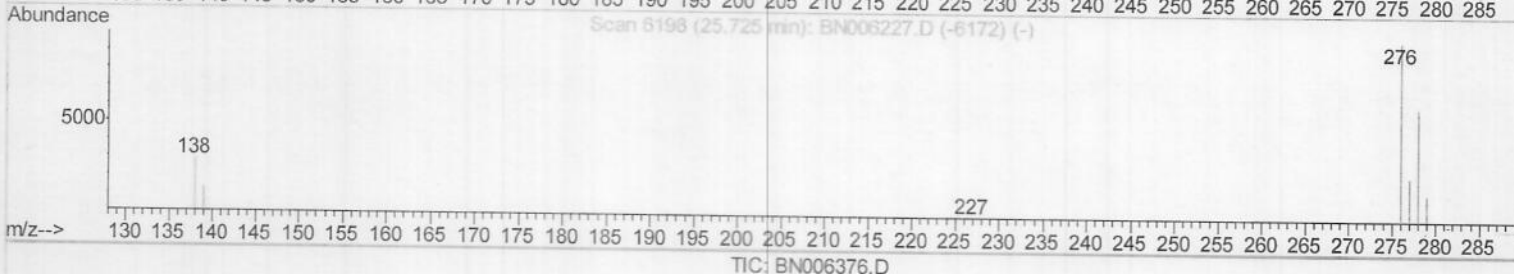
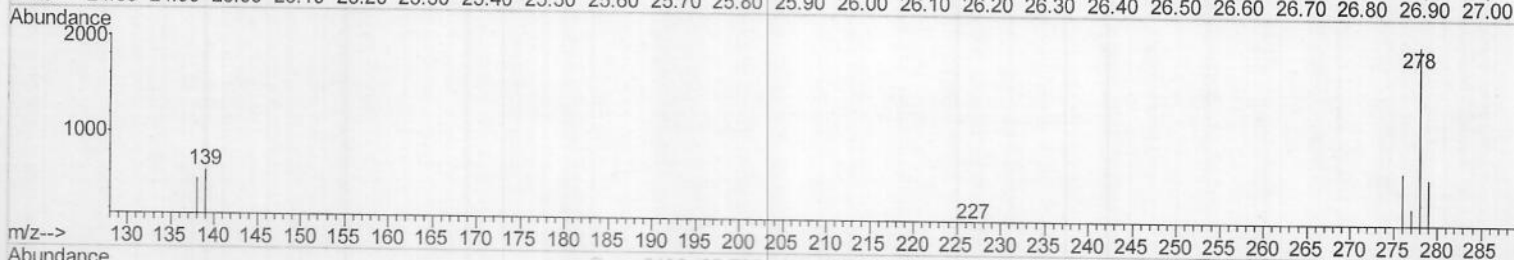
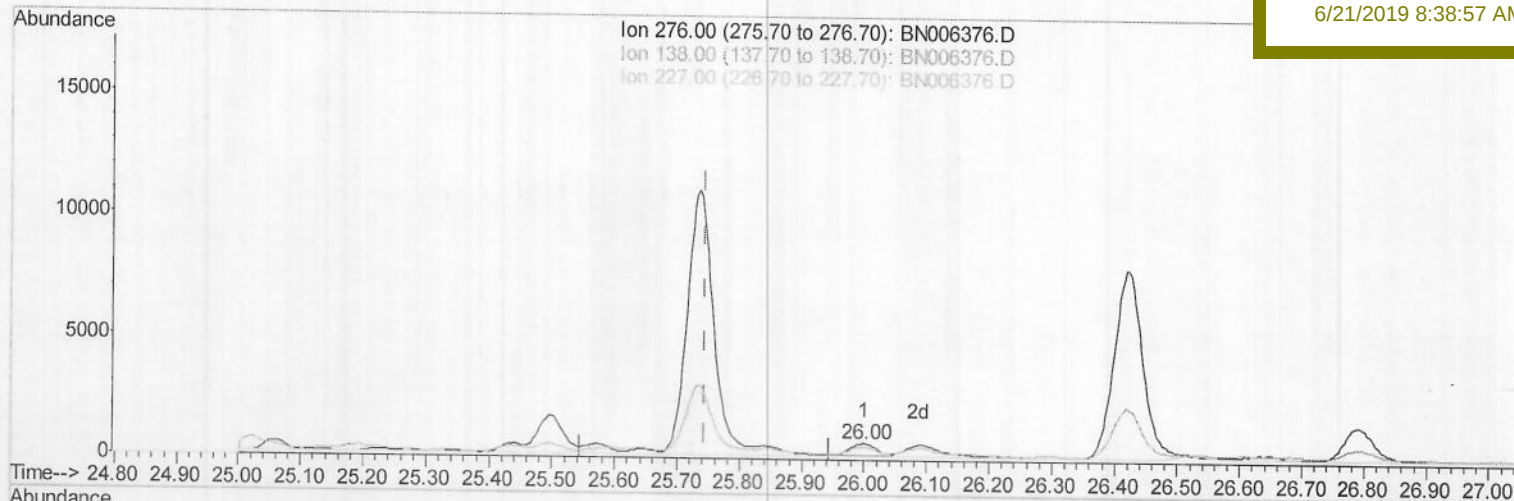
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM



(24) Indeno(1,2,3-cd)pyrene
 26.000min (+0.255) 0.03ng/ul
 response 1431

Ion	Exp%	Act%
276.00	100	100
138.00	32.00	59.26#
227.00	0.40	0.77#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

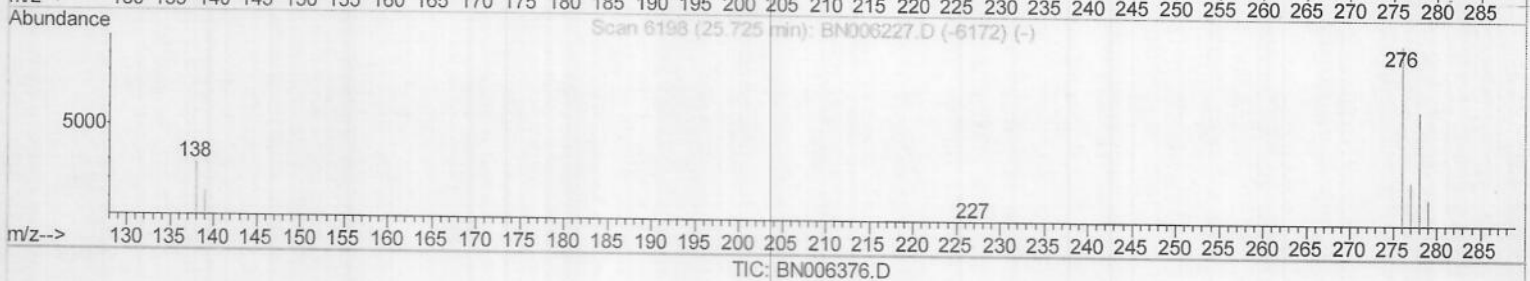
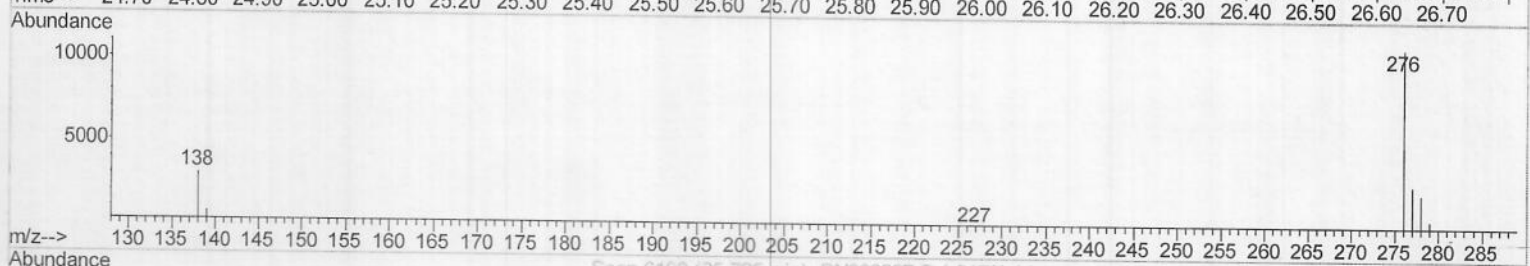
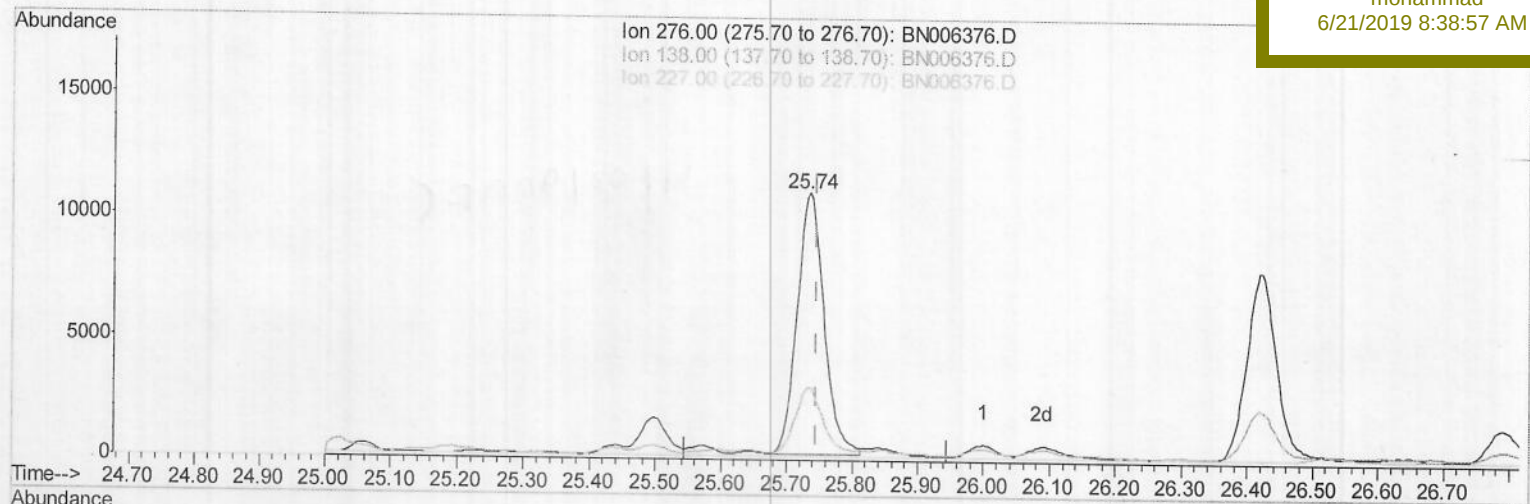
ClientSampleId :

A4234

Manual Integrations
APPROVED

mohammad

6/21/2019 8:38:57 AM



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

25.735min (-0.010) 0.71ng/ul m

> JU 06/25/19

response 31051

Ion	Exp%	Act%
276.00	100	100
138.00	32.00	2.73#
227.00	0.40	0.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

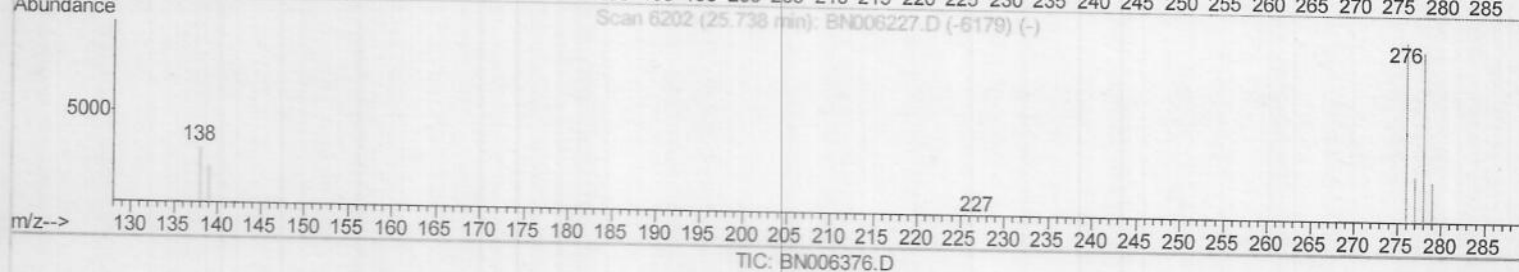
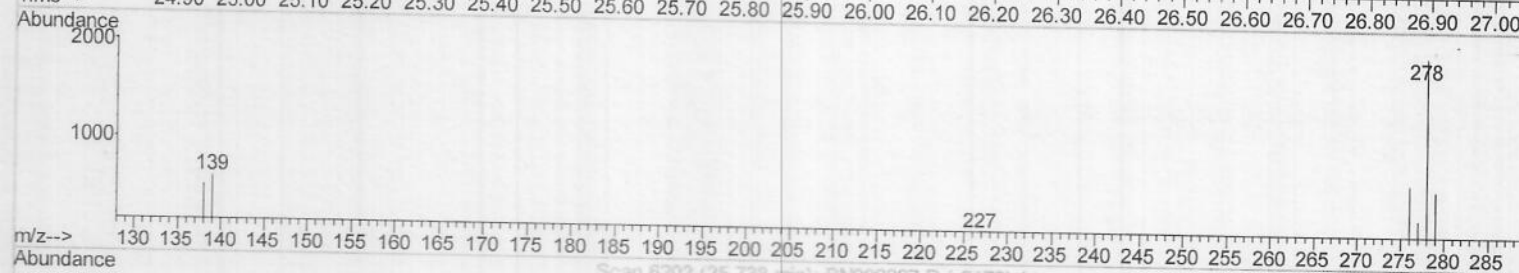
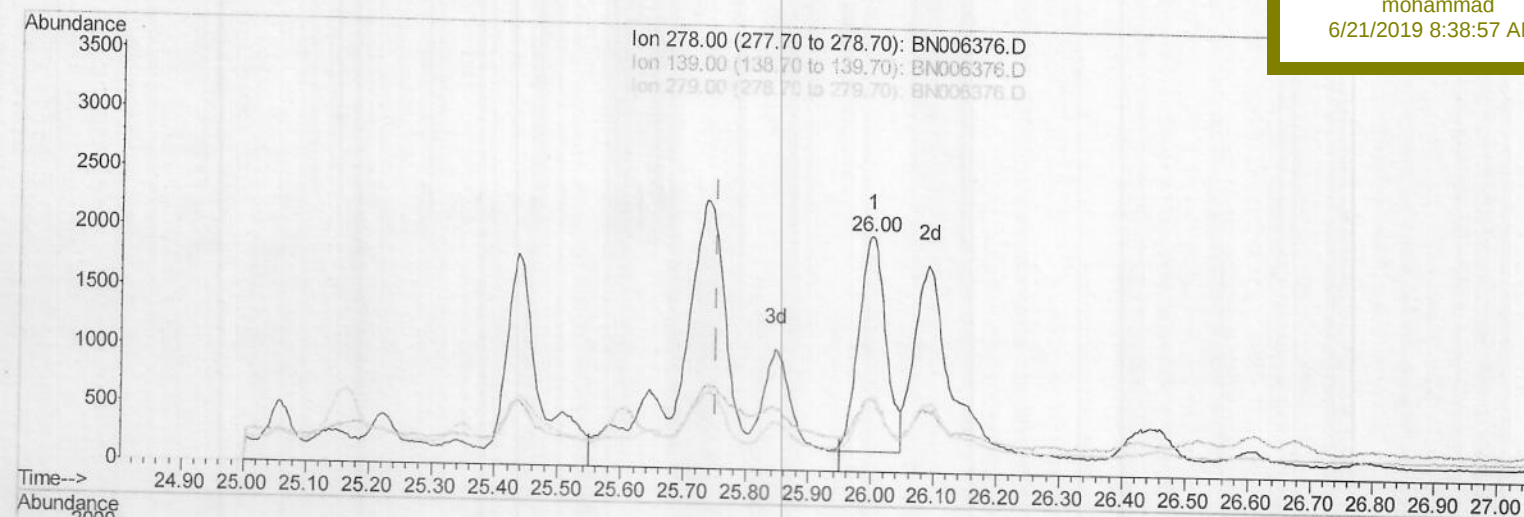
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM

Quant Time: Jun 18 16:46:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.000min (+0.248) 0.16ng/ul

response 5524

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	30.13
279.00	28.20	31.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

Response via : Initial Calibration

Instrument :

BNA_N

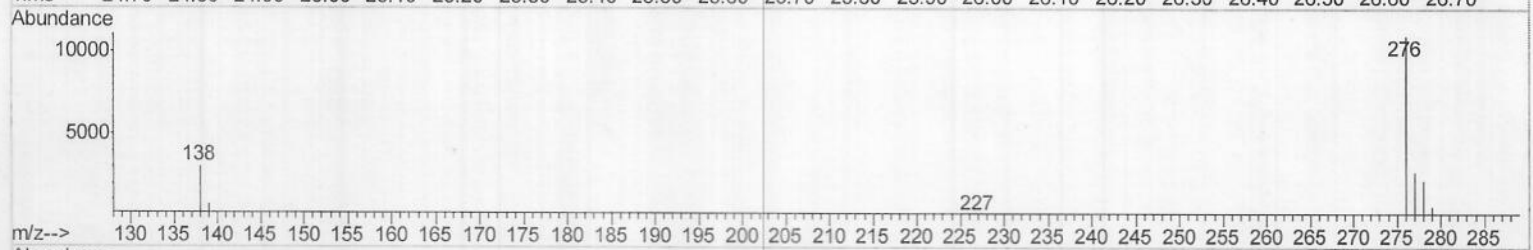
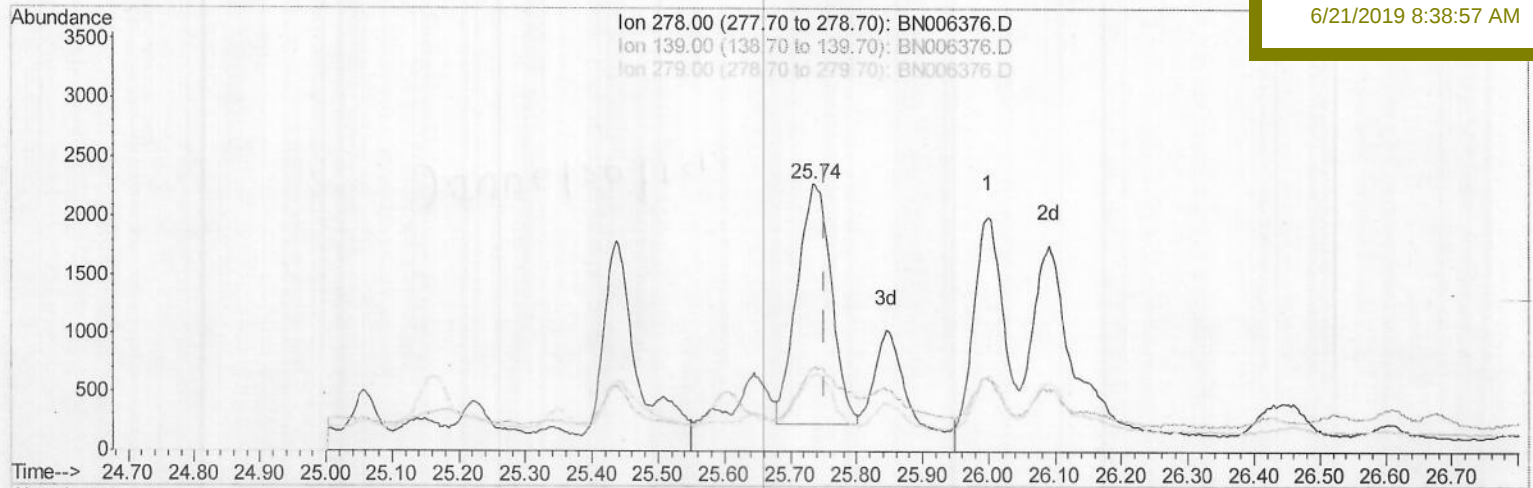
ClientSampleId :

A4234

Manual Integrations
APPROVED

mohammad

6/21/2019 8:38:57 AM



TIC: BN006376.D

(25) Dibenzo(a,h)anthracene

25.735min (-0.017) 0.21ng/ul m

response 7461

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	30.60
279.00	28.20	28.20
0.00	0.00	0.00

> JU 06/25/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\

Data File : BN006376.D

Acq On : 18 Jun 2019 14:05

Operator : JU/SJ

Sample : K3335-07

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 15:57:40 2019

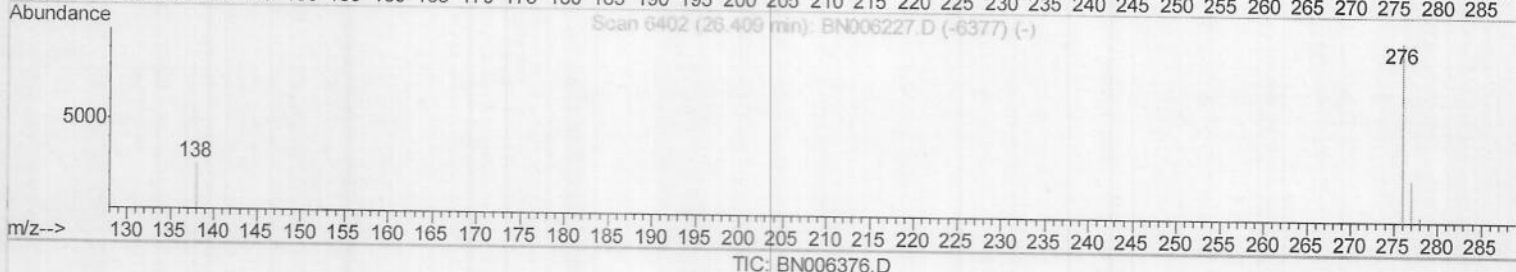
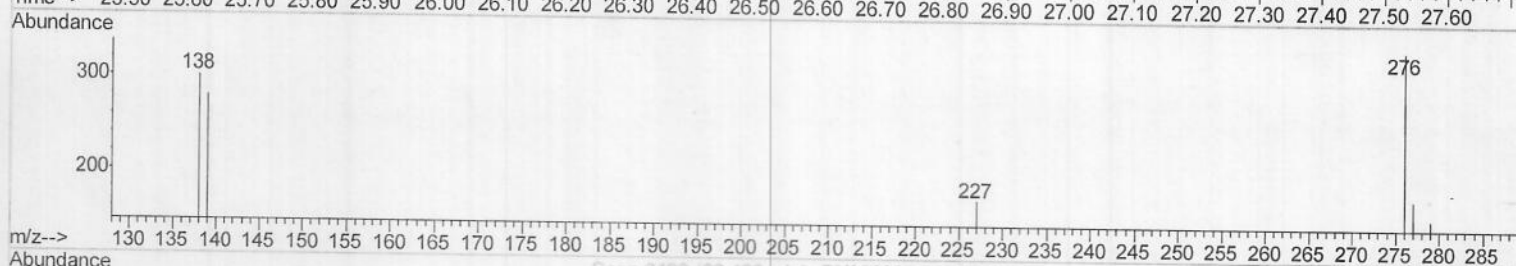
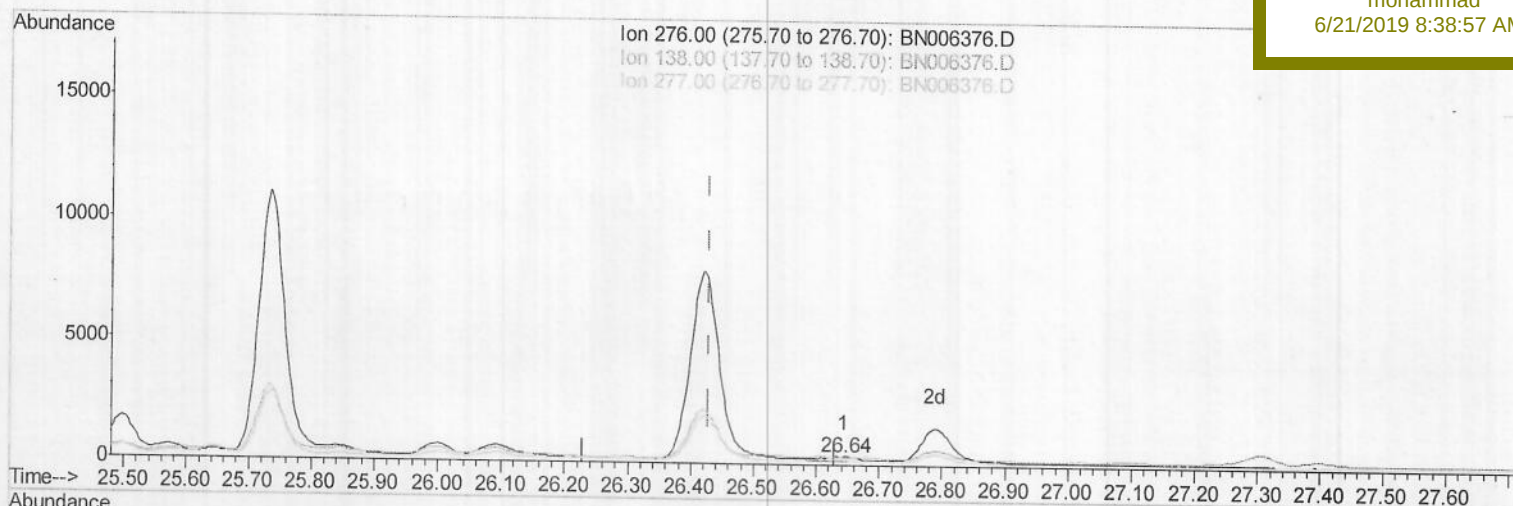
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A4234

Manual Integrations
APPROVEDmohammad
6/21/2019 8:38:57 AM

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

26.644min (+0.215) 0.02ng/ul

response 692

Ion	Exp%	Act%
276.00	100	100
138.00	30.30	89.02#
277.00	26.90	52.23#
0.00	0.00	0.00

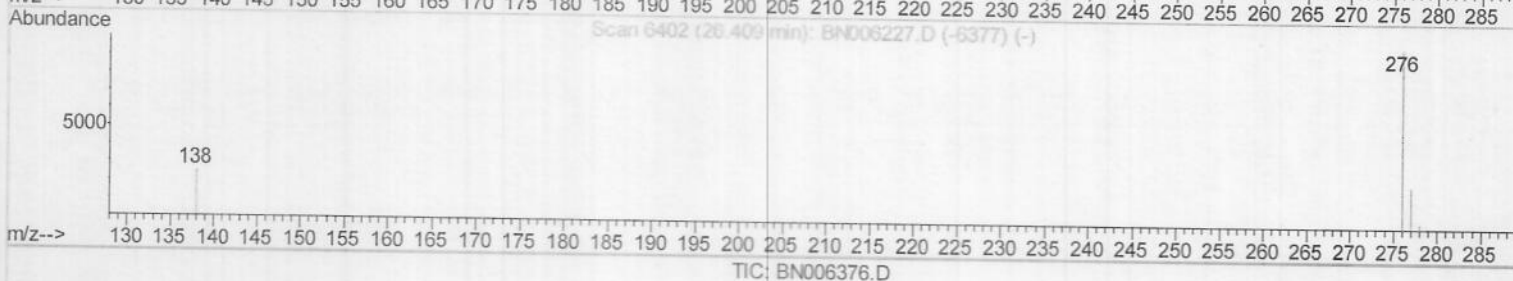
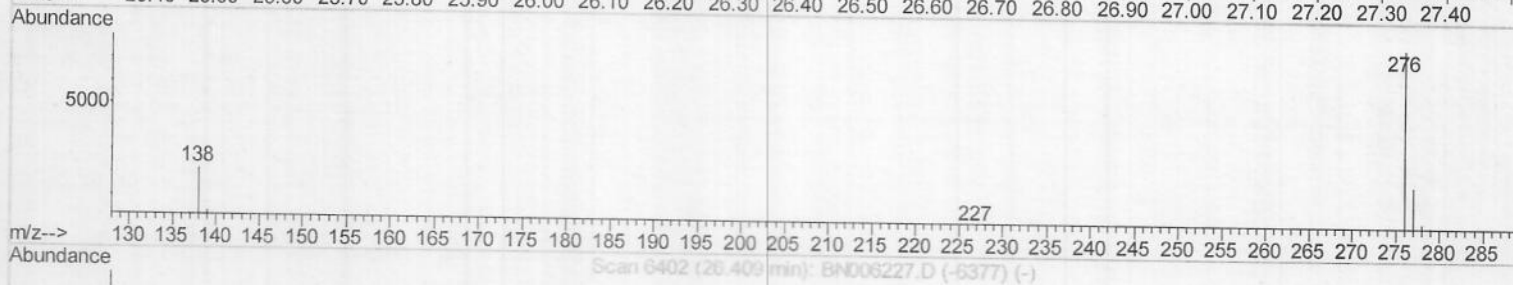
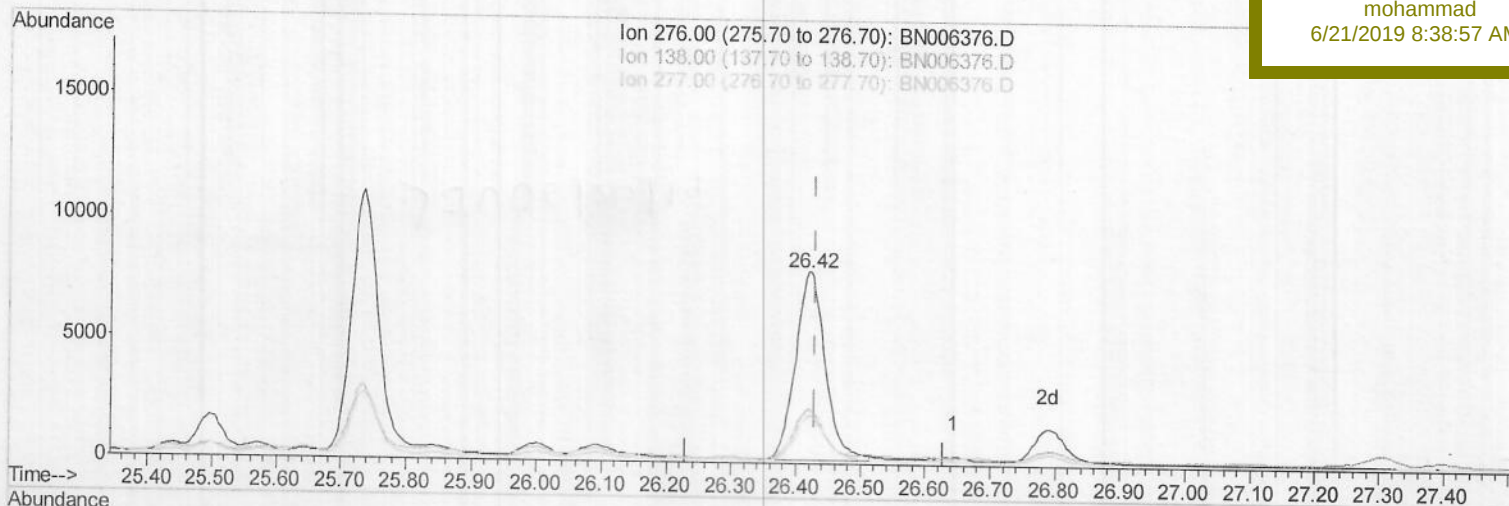
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
Data File : BN006376.D
Acq On : 18 Jun 2019 14:05
Operator : JU/SJ
Sample : K3335-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 16:46:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 15:57:40 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A4234

Manual Integrations
APPROVED

mohammad
6/21/2019 8:38:57 AM



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

26.423min (-0.007) 0.68ng/ul m > JU 06/25/19

response 25001

Ion	Exp%	Act%
276.00	100	100
138.00	30.30	27.42
277.00	26.90	24.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061819\
 Data File : BN006376.D
 Acq On : 18 Jun 2019 14:05
 Operator : JU/SJ
 Sample : K3335-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4234

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:38:57 AM

Quant Time: Jun 18 16:49:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 15:57:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4448	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17825	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	9652	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	275273m	0.40	ng/ul	0.02
16) Chrysene-d12	21.27	240	11597m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	10425m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	6400	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	14466m	0.02	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.47	128	3392	0.069	ng/ul#	92
5) 2-Methylnaphthalene	12.09	142	1167	0.034	ng/ul	100
7) Acenaphthylene	14.01	152	7909	0.147	ng/ul	97
8) Acenaphthene	14.35	153	2887	0.078	ng/ul	99
9) Fluorene	15.35	166	3986	0.092	ng/ul	99
12) Phenanthrene	17.09	178	74428m	0.084	ng/ul	
13) Anthracene	17.18	178	20166m	0.024	ng/ul	
15) Fluoranthene	19.12	202	146685m	0.150	ng/ul	
17) Pyrene	19.49	202	131980	2.161	ng/ul	100
18) Benzo(a)anthracene	21.25	228	55442m	1.081	ng/ul	
19) Chrysene	21.30	228	54270	1.127	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	71810m	1.652	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	27521m	0.650	ng/ul	
23) Benzo(a)pyrene	23.40	252	46947m	1.160	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.74	276	31051m	0.709	ng/ul	
25) Dibenzo(a,h)anthracene	25.74	278	7461m	0.213	ng/ul	
26) Benzo(g,h,i)perylene	26.42	276	25001m	0.681	ng/ul	

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

JU
 06/25/19