

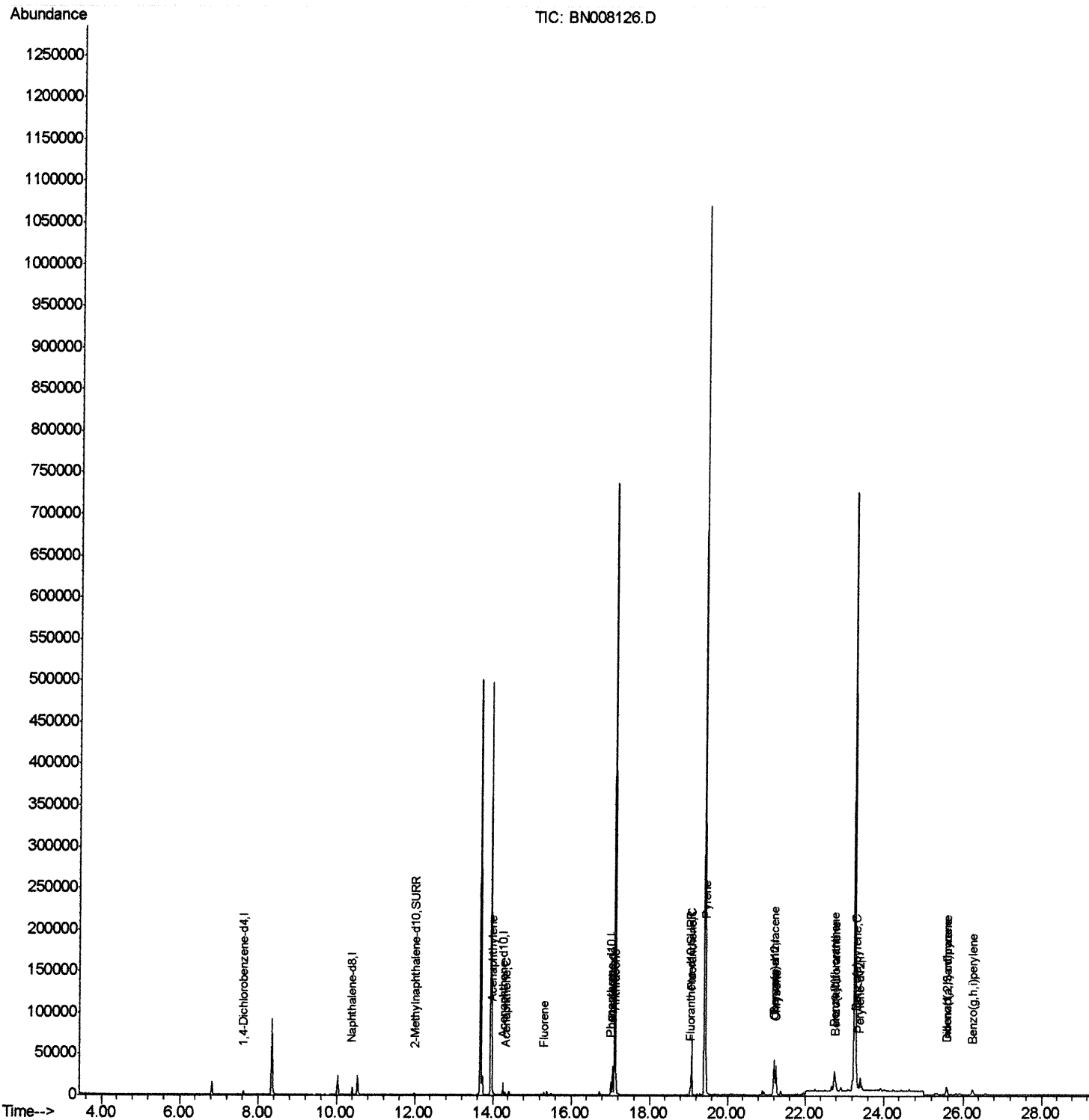
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:52:12 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



## Quantitation Report (Qedit)

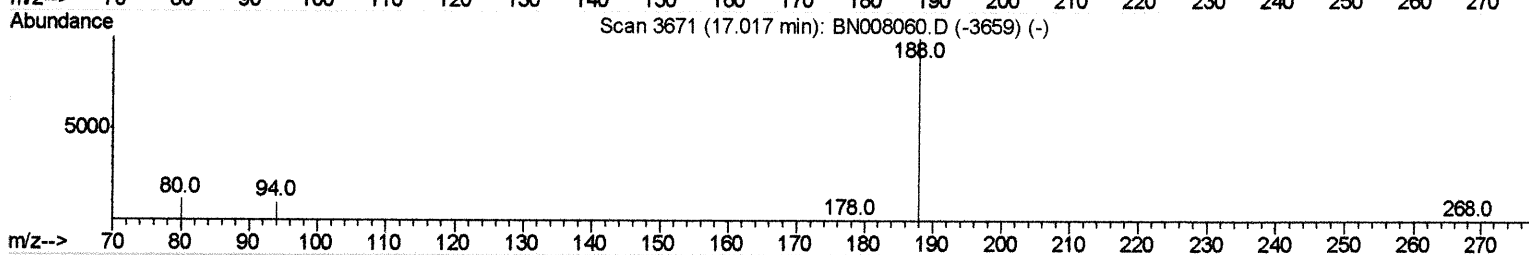
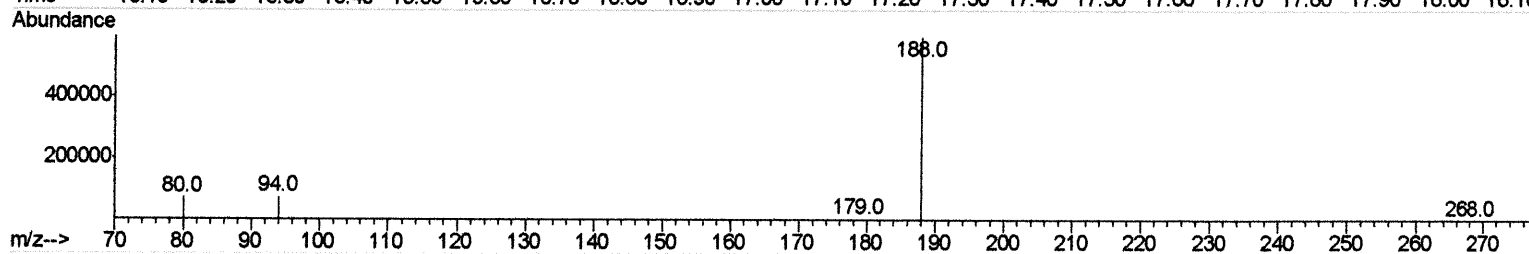
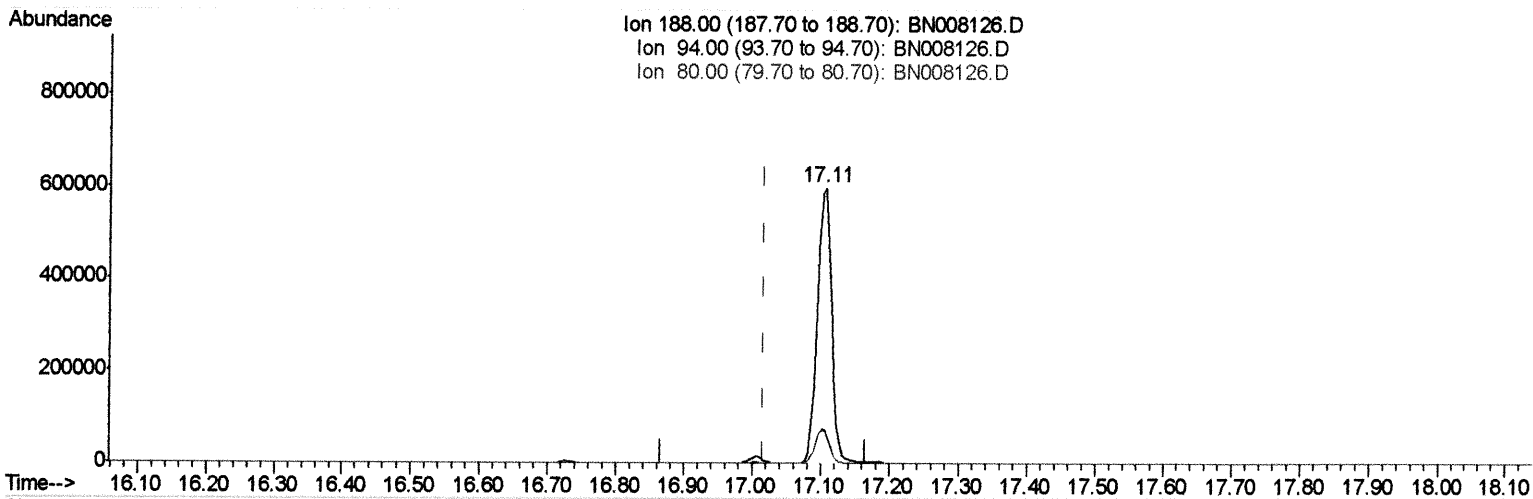
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 00:56:10 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



TIC: BN008126.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 850500

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.90 | 11.87 |
| 80.00  | 12.60 | 11.49 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

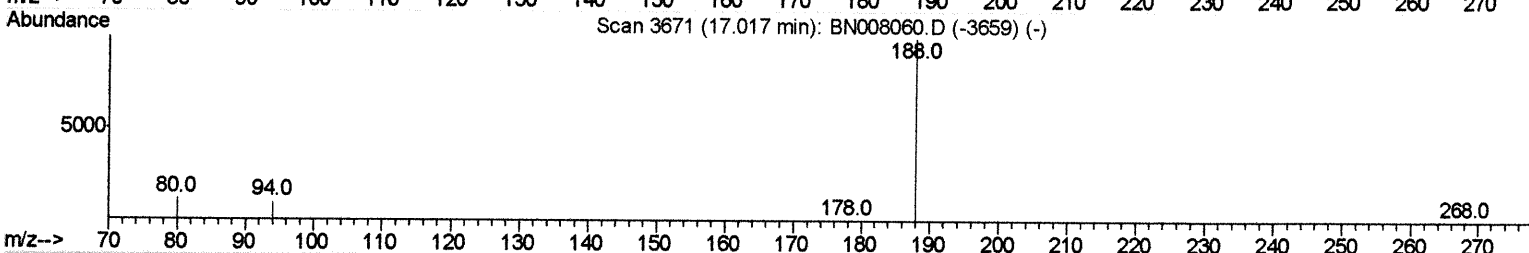
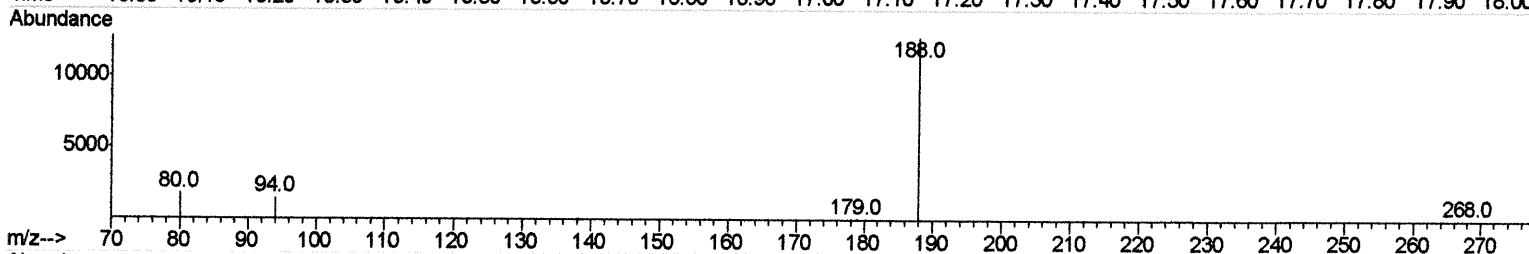
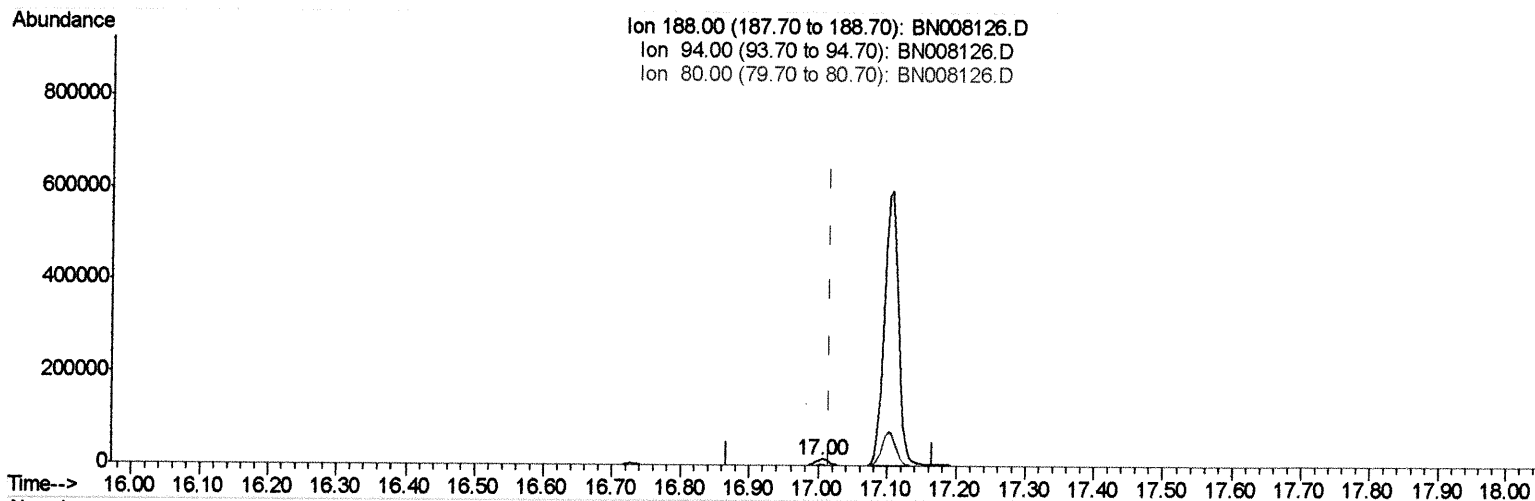
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
 Data File : BN008126.D  
 Acq On : 13 Oct 2019 00:18  
 Operator : JU  
 Sample : K5178-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEPH9

Manual Integrations  
 APPROVED

mohammad  
 10/15/2019 7:59:29 AM

Quant Time: Oct 13 00:56:10 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 : Fri Oct 11 19:05:54 2019  
 Response via : Initial Calibration



TIC: BN008126.D

(10) Phenanthrene-d10 (I)

17.004min (-0.013) 0.40ng/ul m *M 10/16/19*

response 18531

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.90 | 11.62 |
| 80.00  | 12.60 | 13.80 |
| 0.00   | 0.00  | 0.00  |

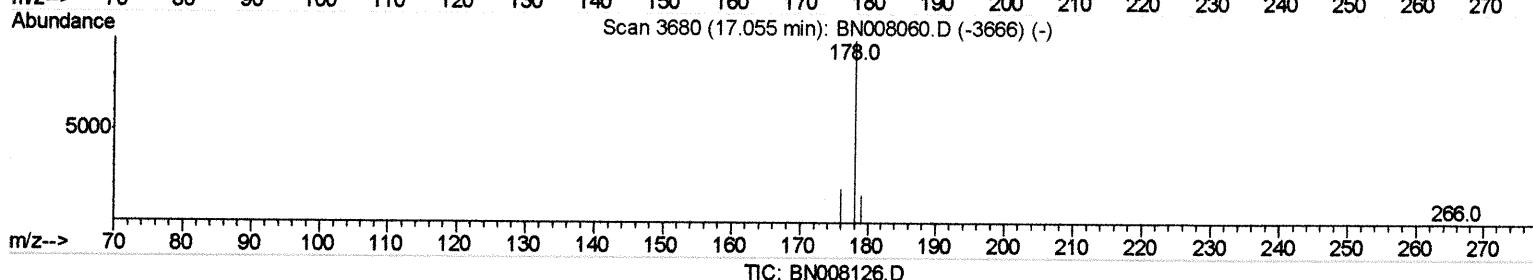
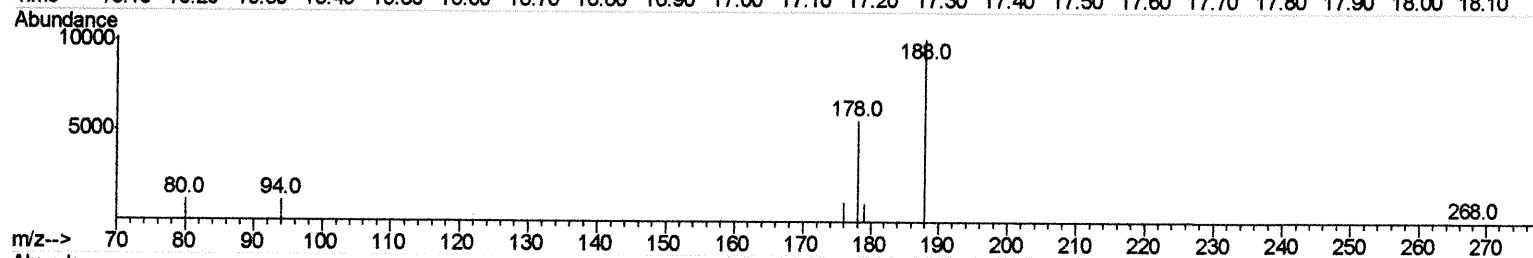
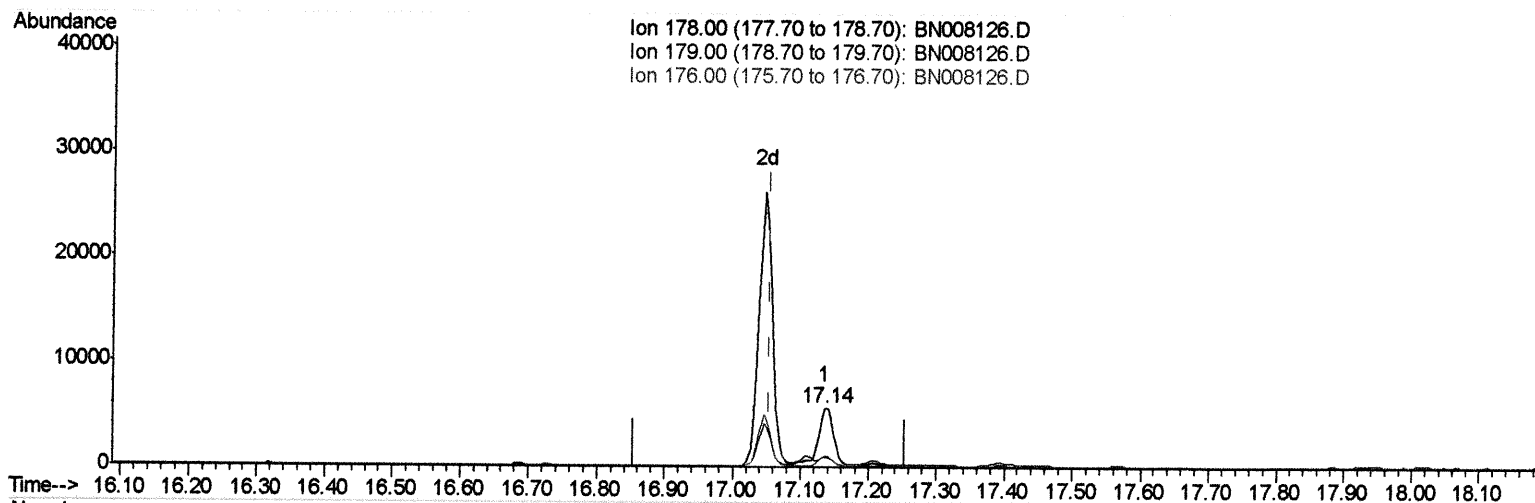
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(12) Phenanthrene

17.135min (+0.080) 0.15ng/ul

response 8302

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 17.91 |
| 176.00 | 19.30 | 19.31 |
| 0.00   | 0.00  | 0.00  |

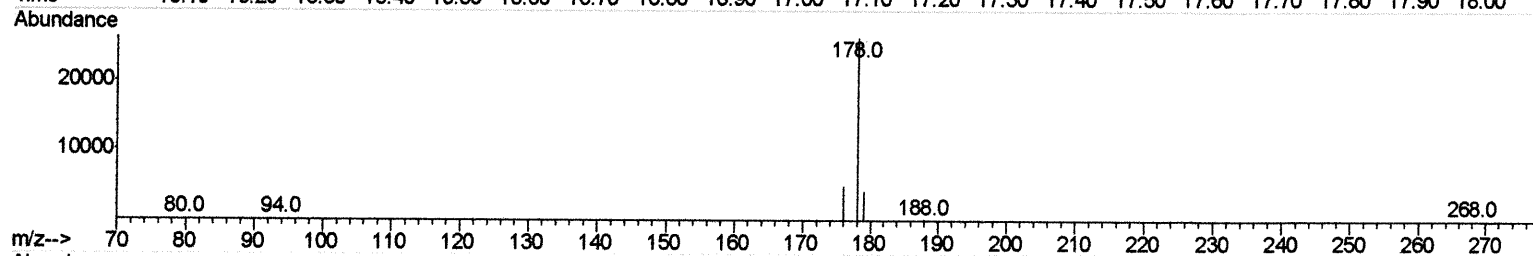
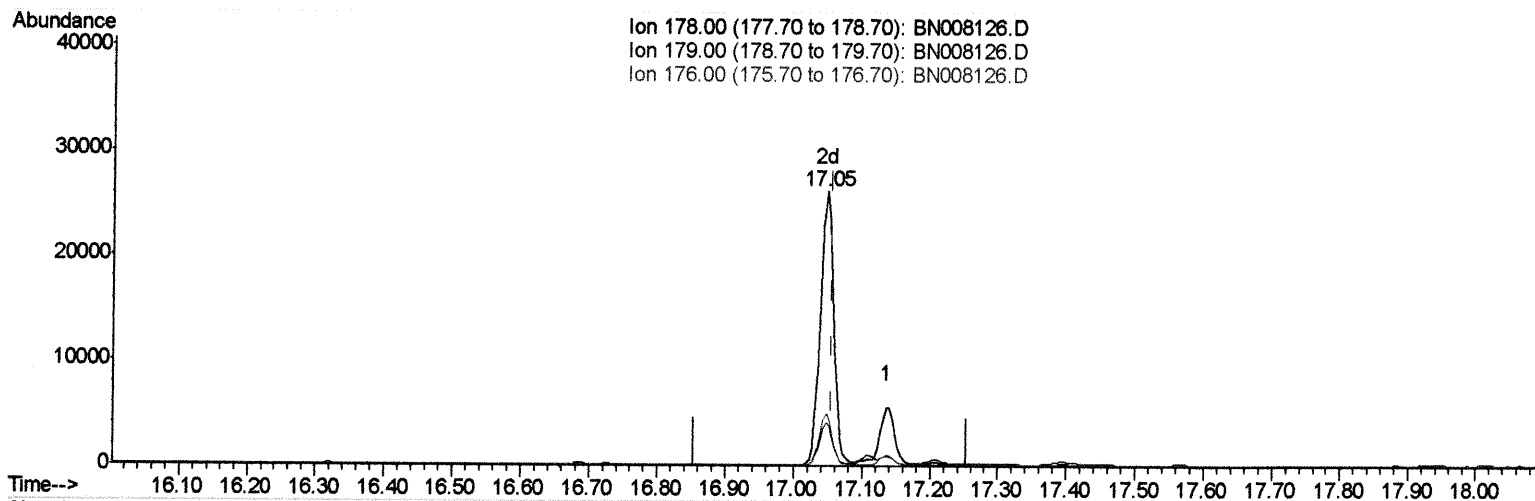
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

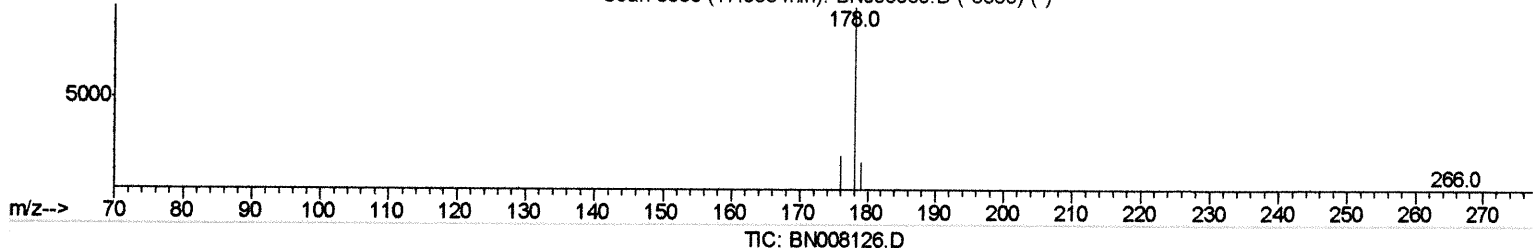
Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



Scan 3680 (17.055 min): BN008060.D (-3666) (-)



TIC: BN008126.D

(12) Phenanthrene

17.047min (-0.008) 0.67ng/ul m *M 10/16/19*

response 36162

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 15.79 |
| 176.00 | 19.30 | 18.92 |
| 0.00   | 0.00  | 0.00  |

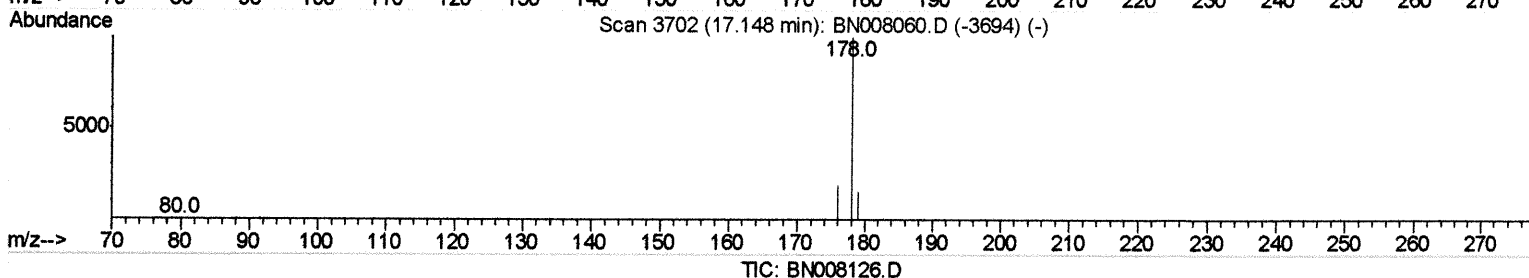
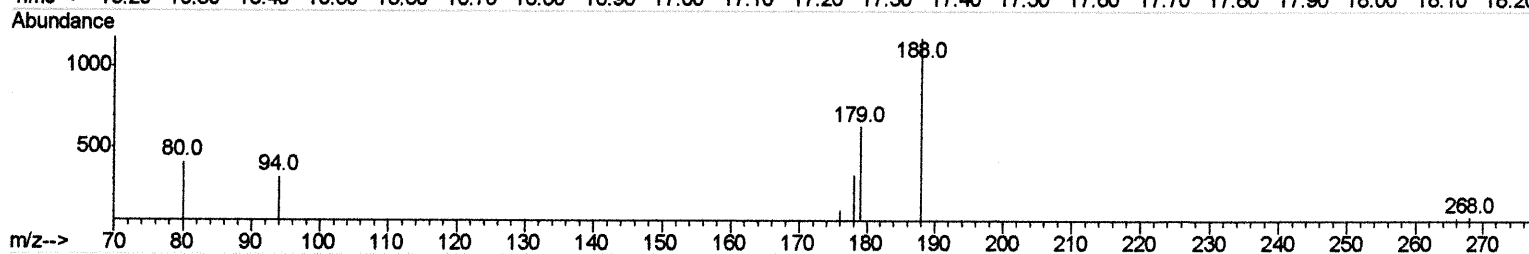
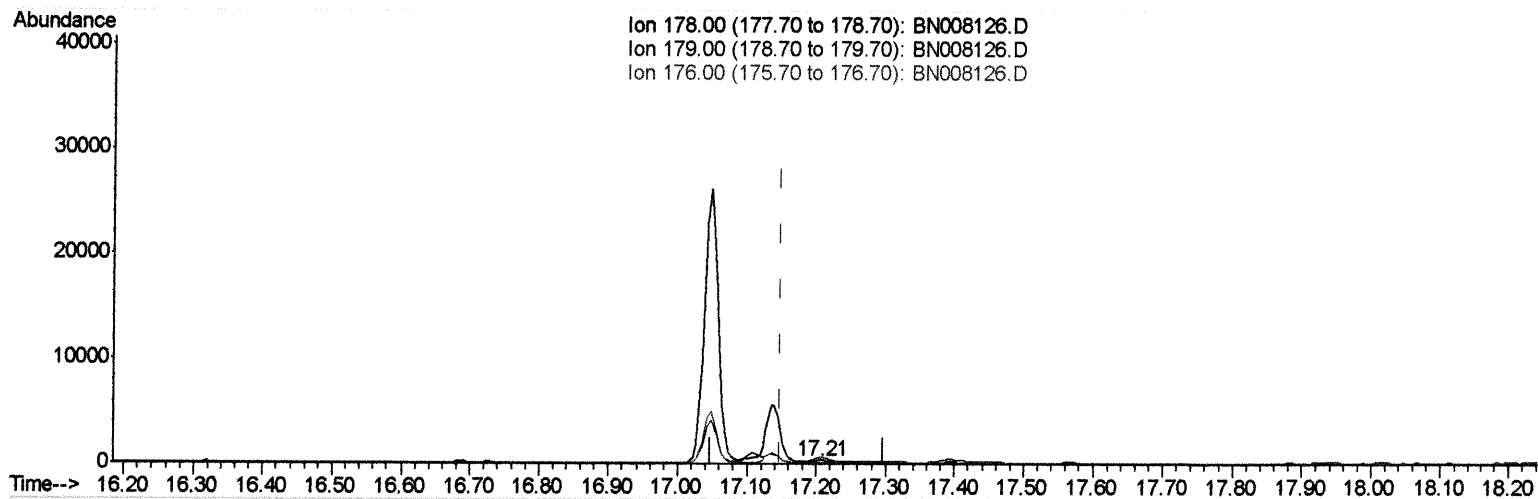
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(13) Anthracene

17.207min (+0.059) 0.01ng/ul

response 263

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 16.30 | 192.05# |
| 176.00 | 18.80 | 35.78#  |
| 0.00   | 0.00  | 0.00    |

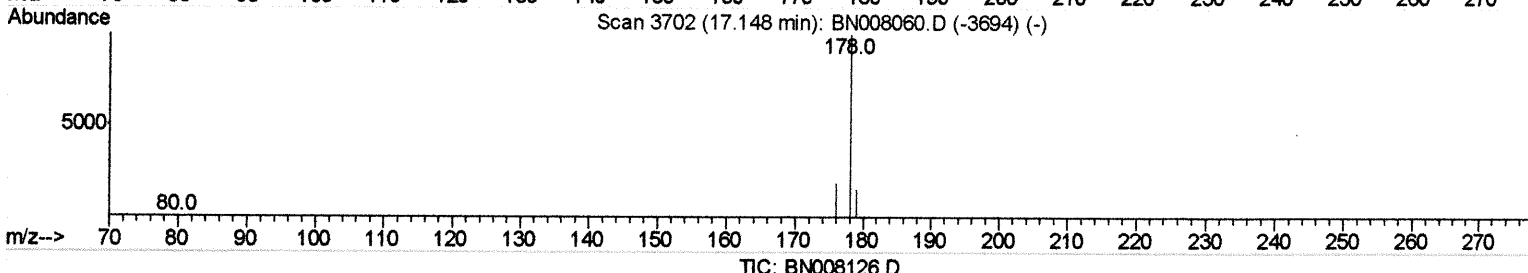
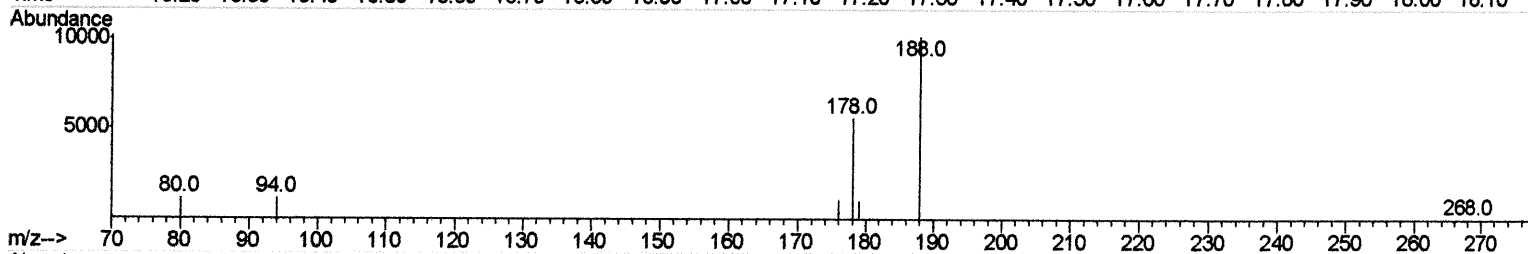
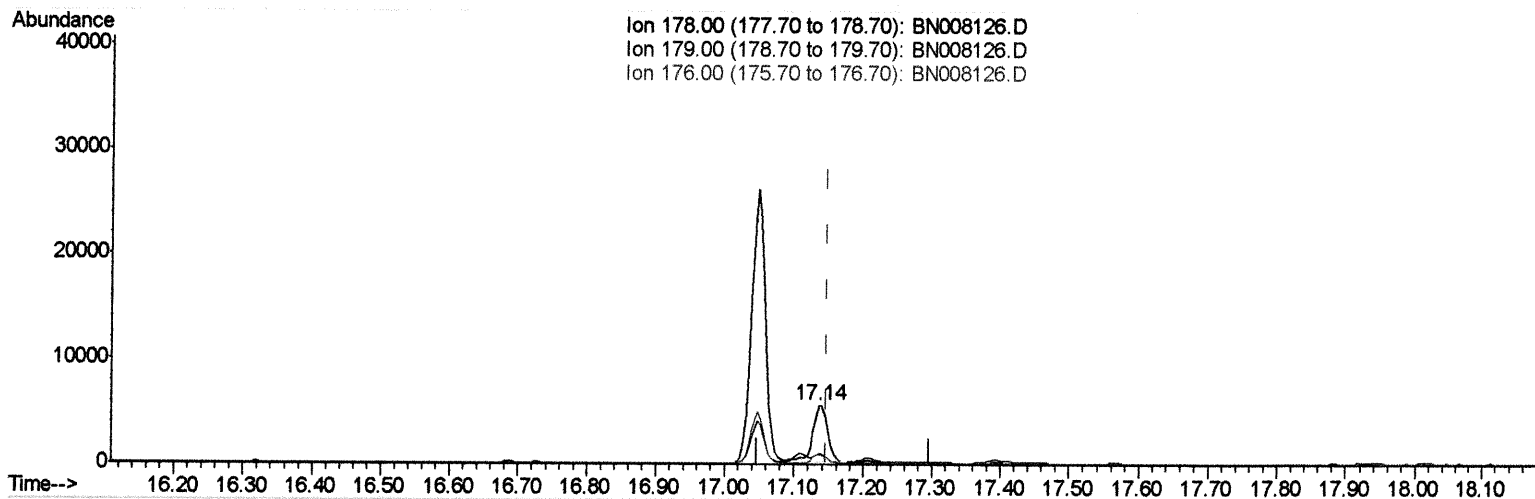
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



TIC: BN008126.D

(13) Anthracene

17.135min (-0.013) 0.16ng/ul m

*24 10/16/19*

response 7814

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.30 | 17.91 |
| 176.00 | 18.80 | 19.31 |
| 0.00   | 0.00  | 0.00  |

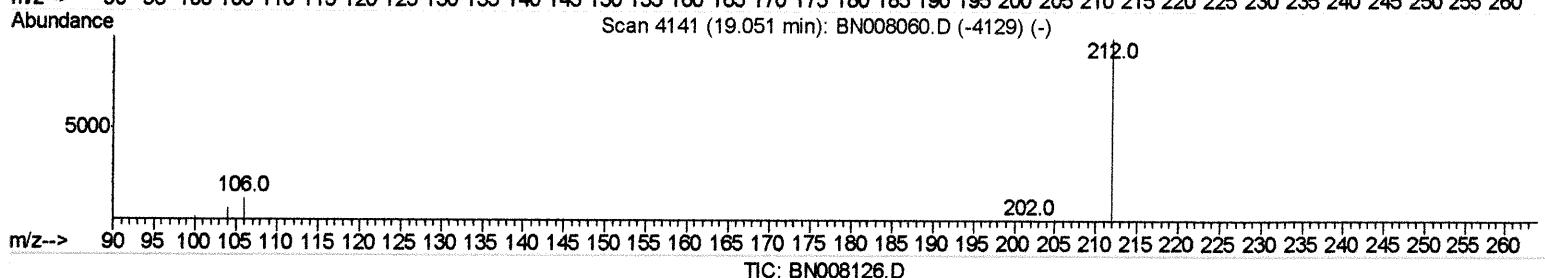
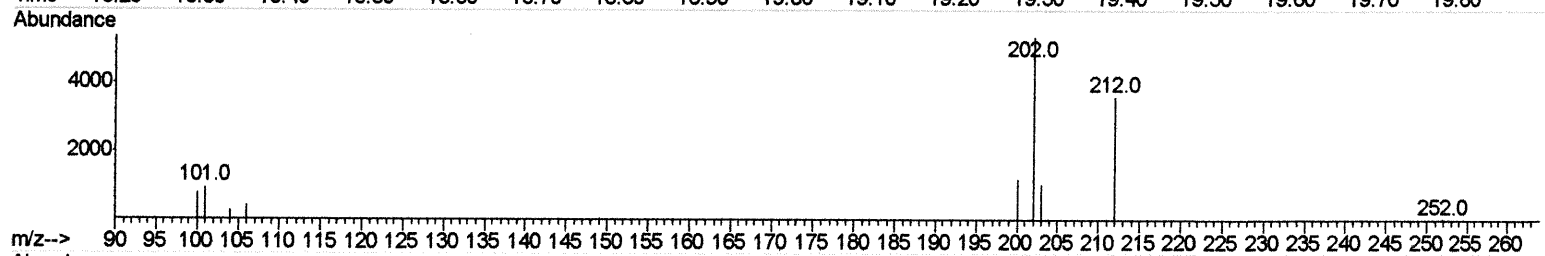
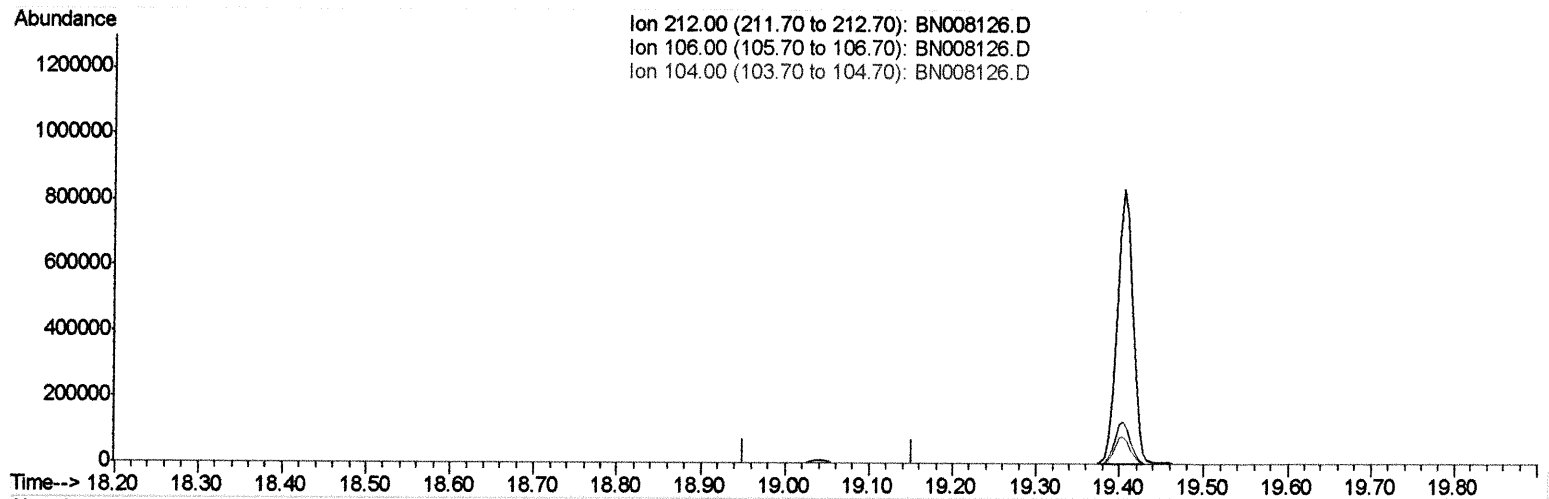
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 0.00ng/ui

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  |

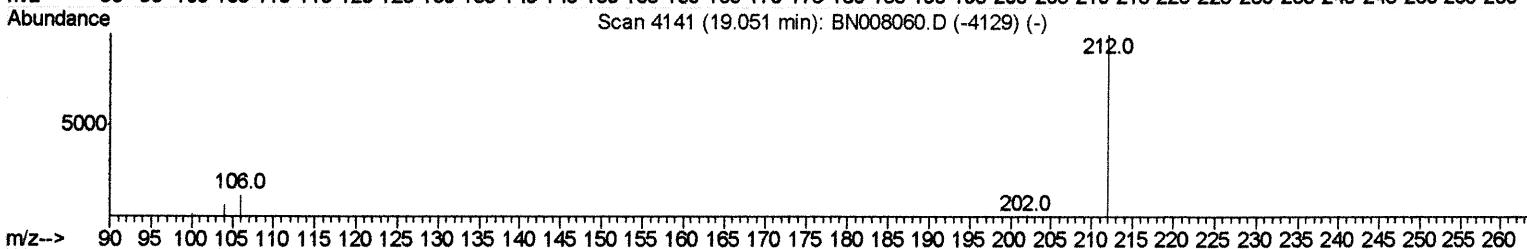
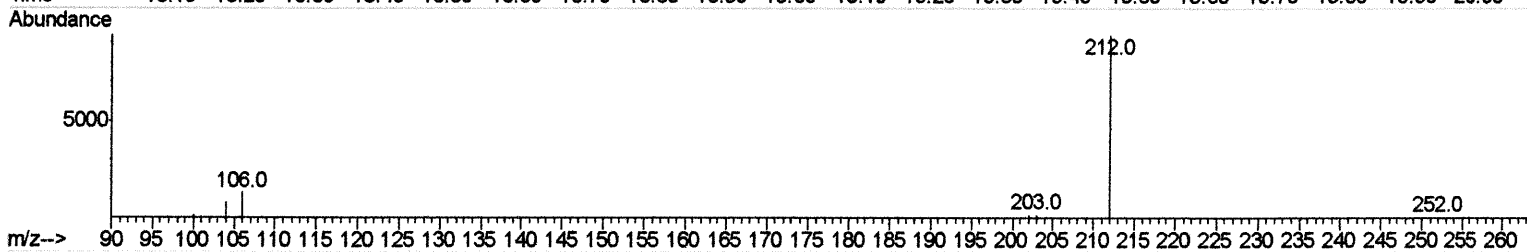
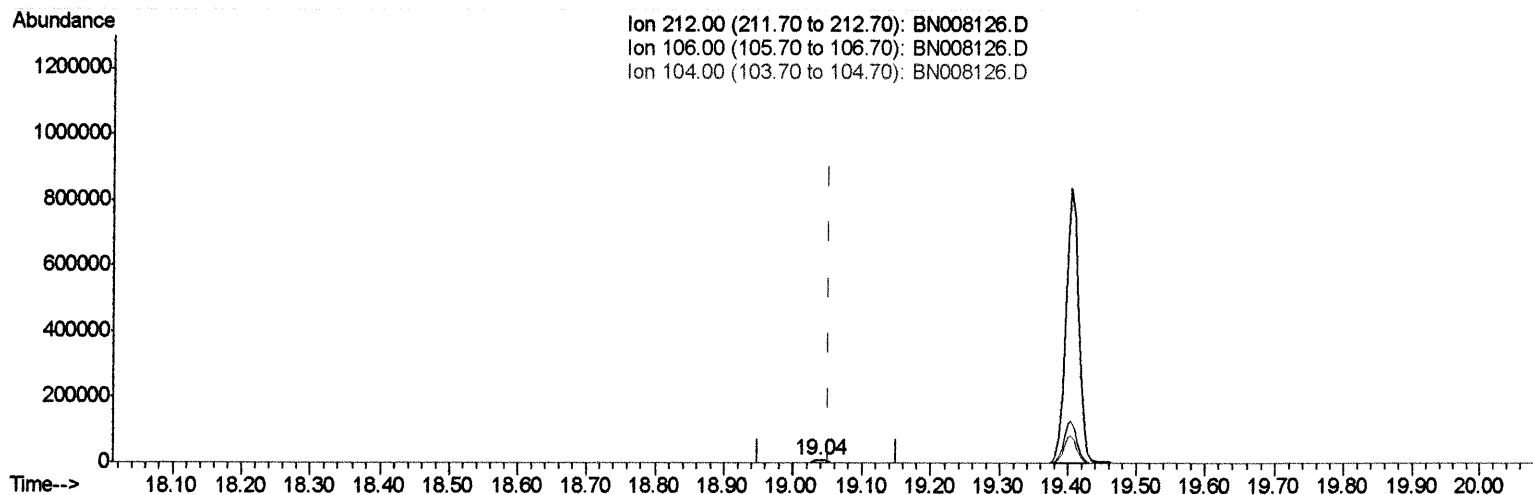
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



TIC: BN008126.D

(14) Fluoranthene-d10 (SURR)

19.037min (-0.014) 0.19ng/ul m

24/10/16/13

response 12223

| 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\BN101119\

Data File : BN008126.D

Acq On : 13 Oct 2019 00:18

Operator : JU

Sample : K5178-17

Misc :

ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA\_N

ClientSampleId :

BEPH9

Manual Integrations  
APPROVEDmohammad  
10/15/2019 7:59:29 AM

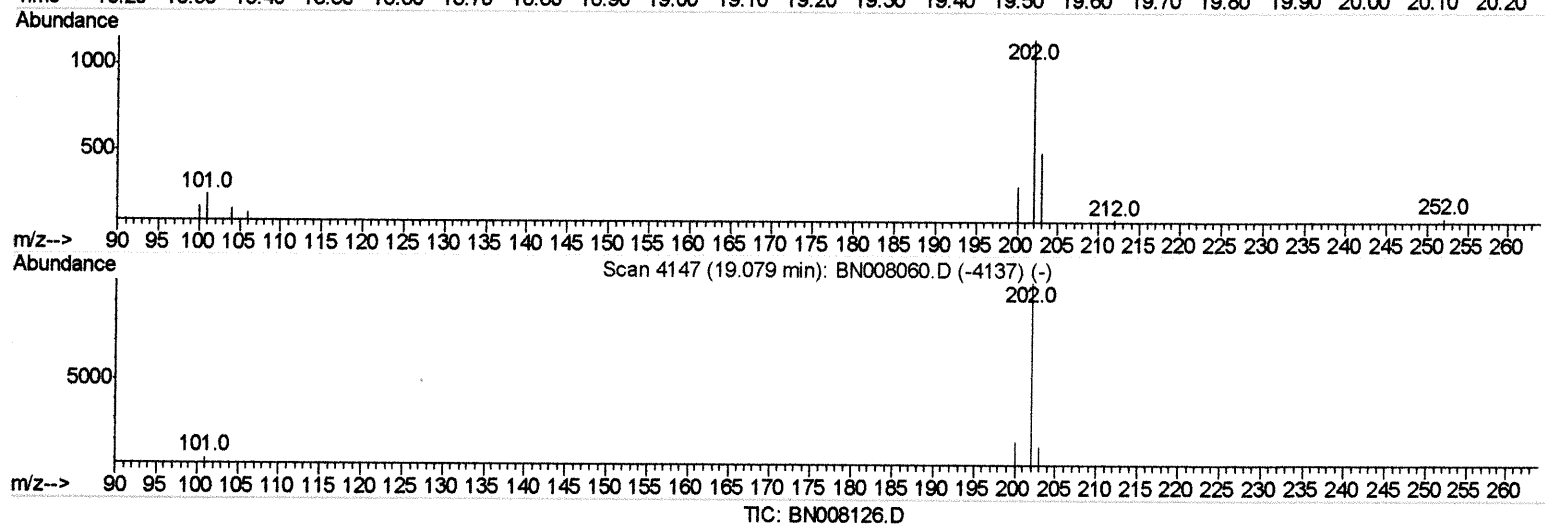
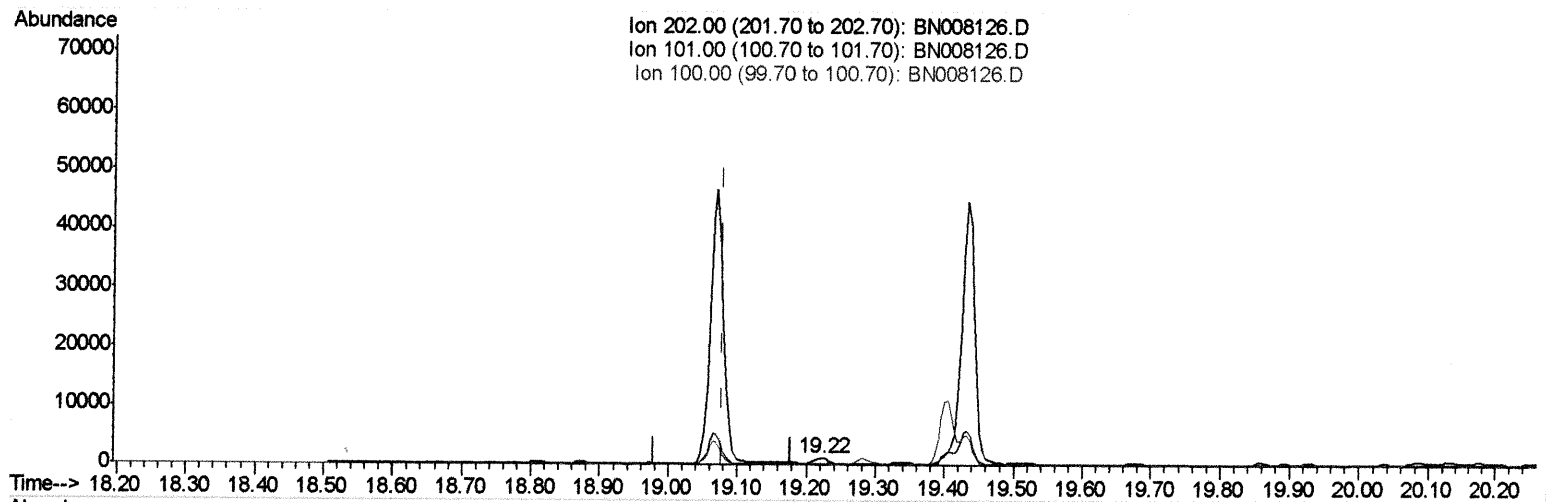
Quant Time: Oct 13 04:48:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(15) Fluoranthene (C)

19.223min (+0.144) 0.02ng/ul

response 1127

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 11.20 | 20.94 |
| 100.00 | 8.50  | 14.68 |
| 0.00   | 0.00  | 0.00  |

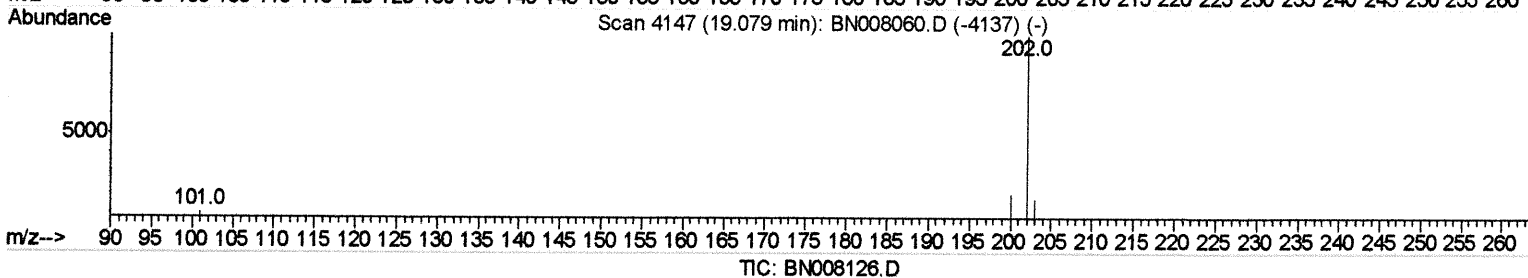
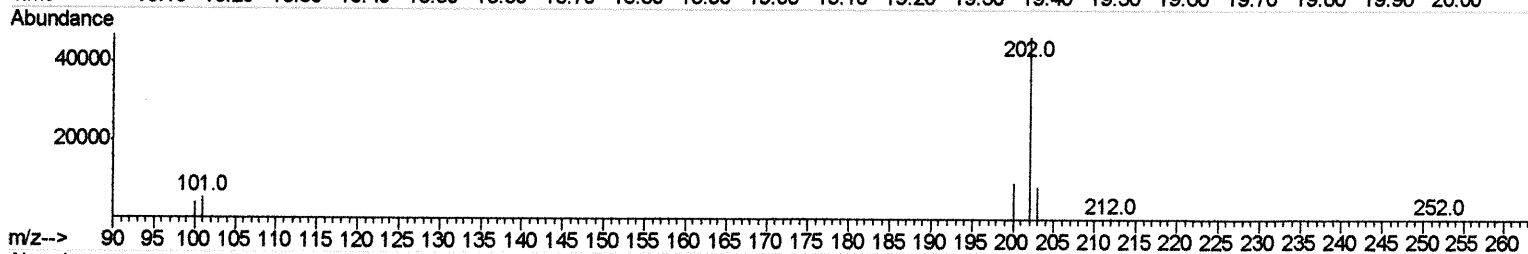
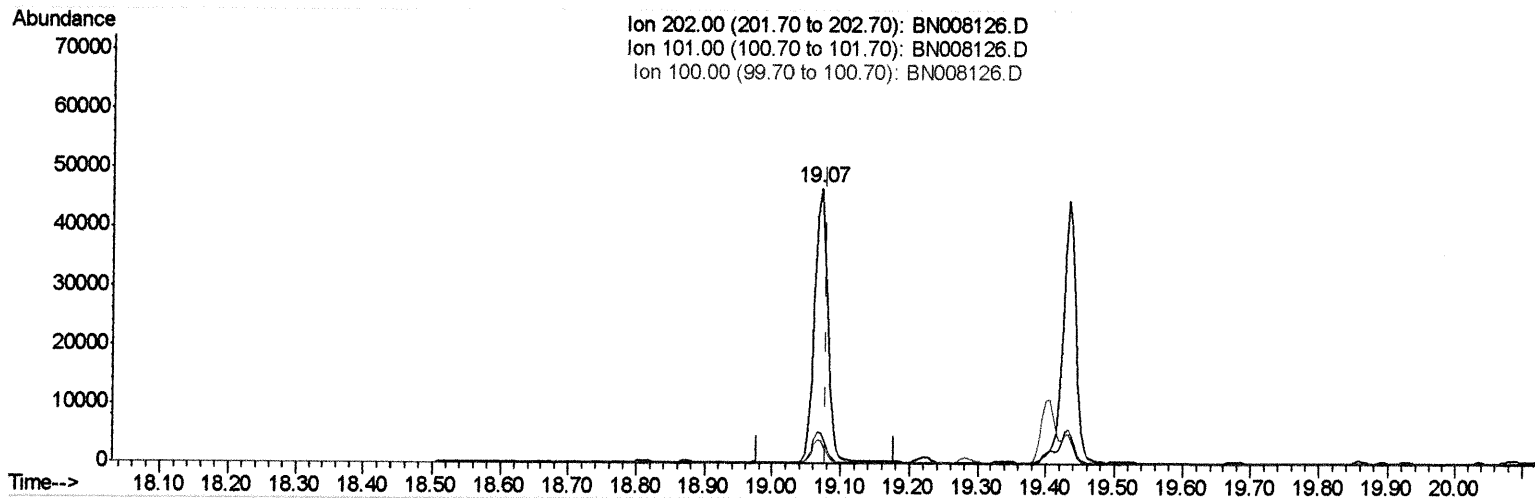
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(15) Fluoranthene (C)

19.070min (-0.009) 0.86ng/ul m

*Pl 10/16/19*

response 61859

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 11.20 | 11.14 |
| 100.00 | 8.50  | 8.24  |
| 0.00   | 0.00  | 0.00  |

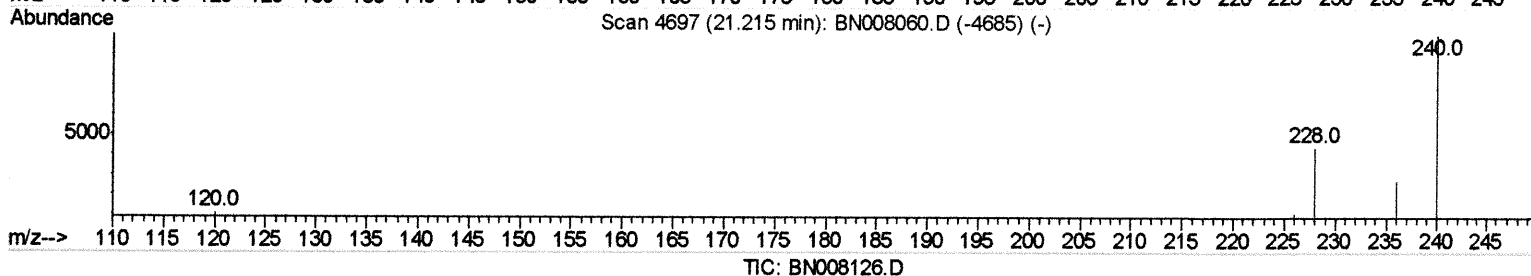
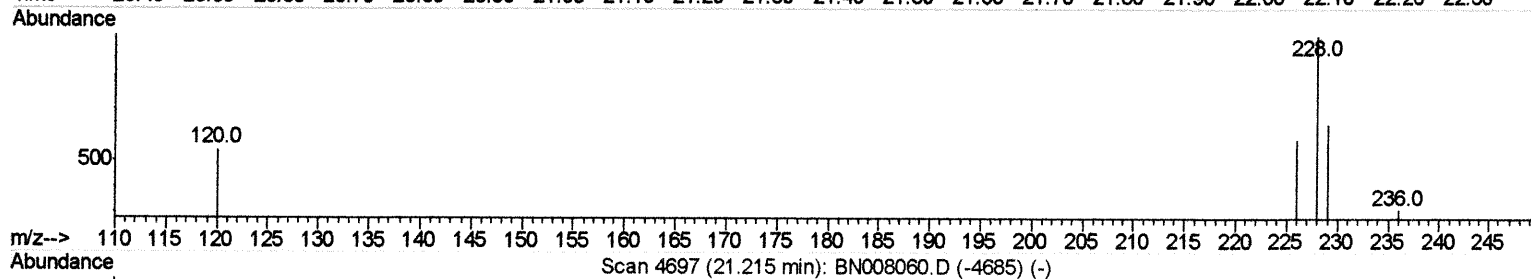
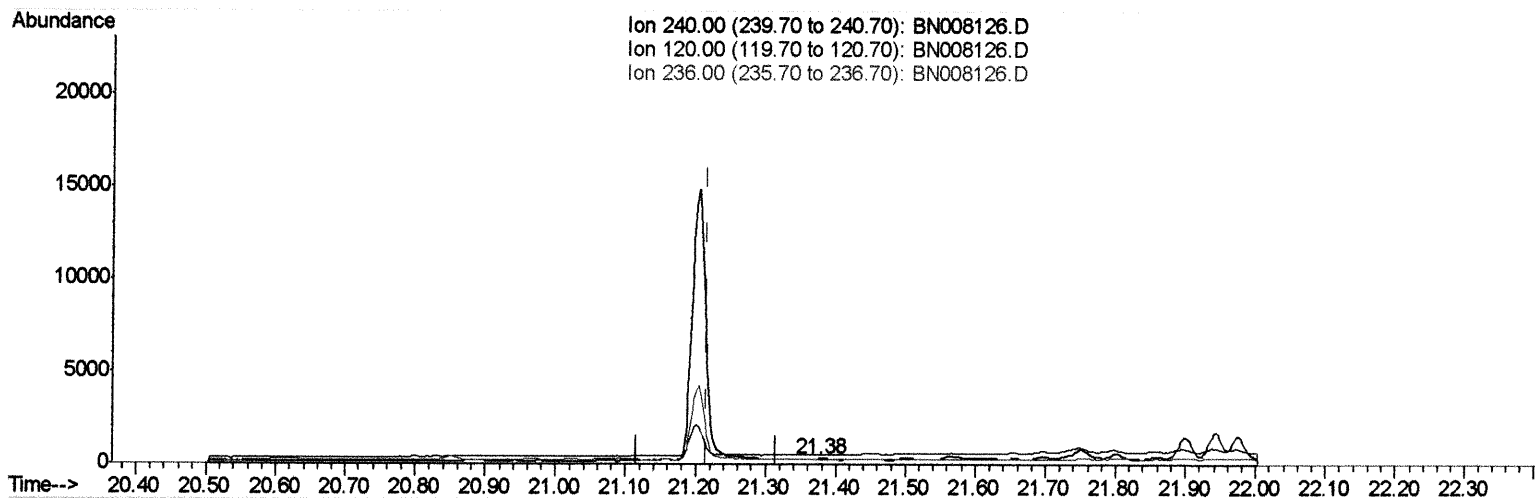
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.376min (+0.161) 0.40ng/ul

response 36

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 14.70 | 195.65# |
| 236.00 | 28.40 | 111.59# |
| 0.00   | 0.00  | 0.00    |

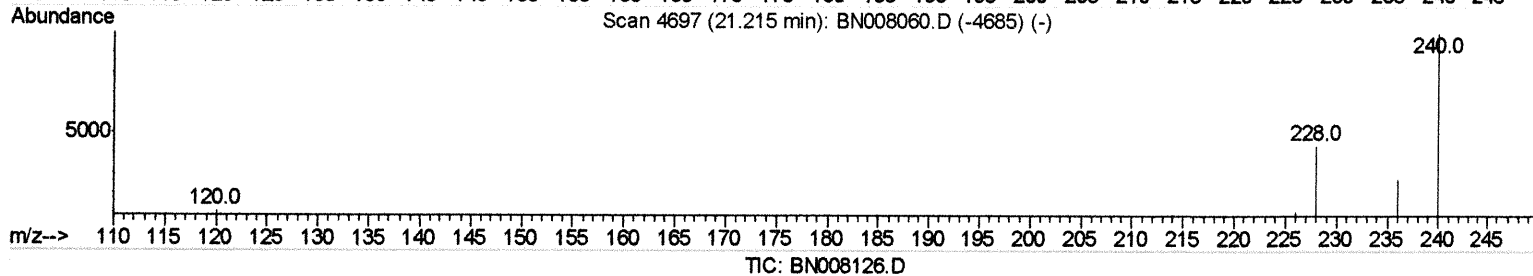
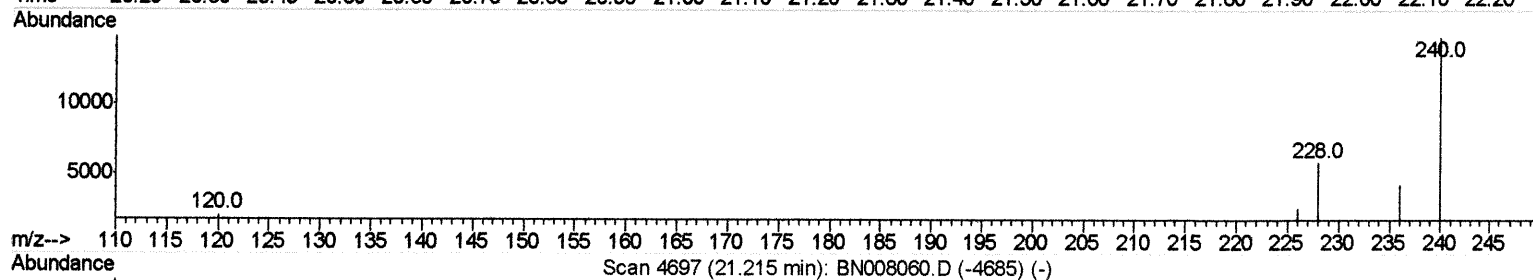
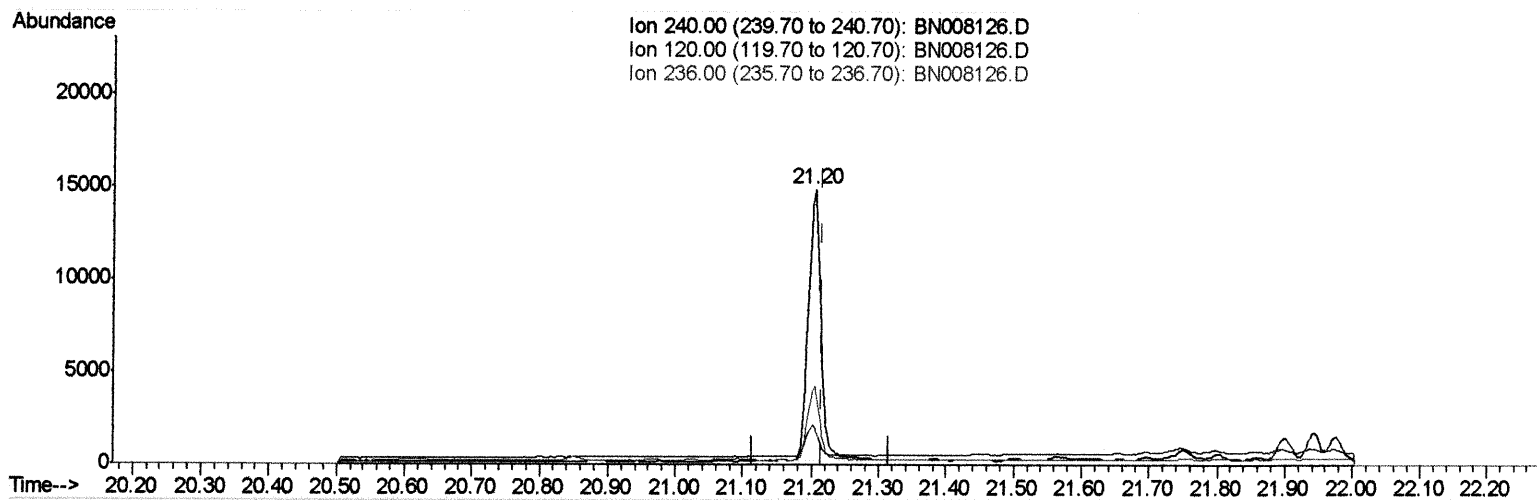
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:48:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.204min (-0.012) 0.40ng/ul m *ju 10/16/19*

response 19508

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 14.70 | 13.80 |
| 236.00 | 28.40 | 28.59 |
| 0.00   | 0.00  | 0.00  |

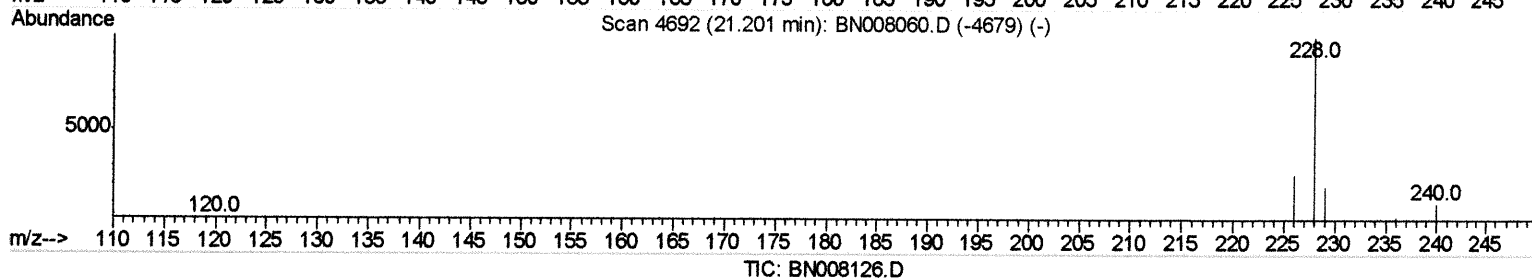
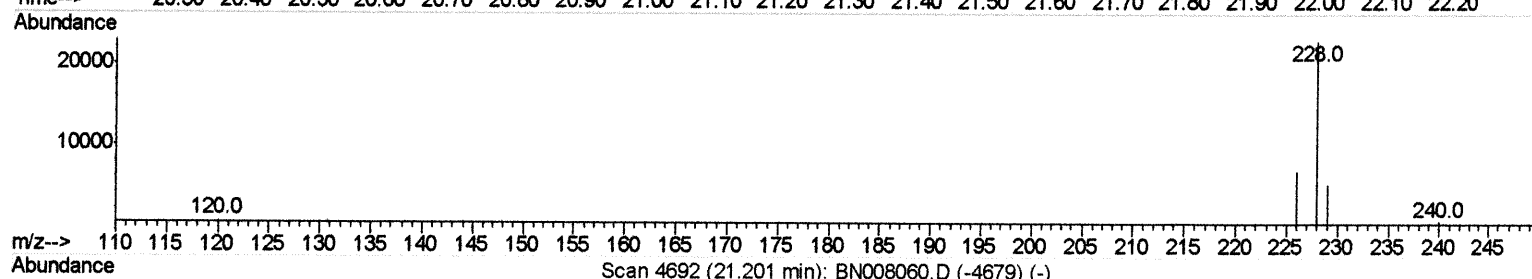
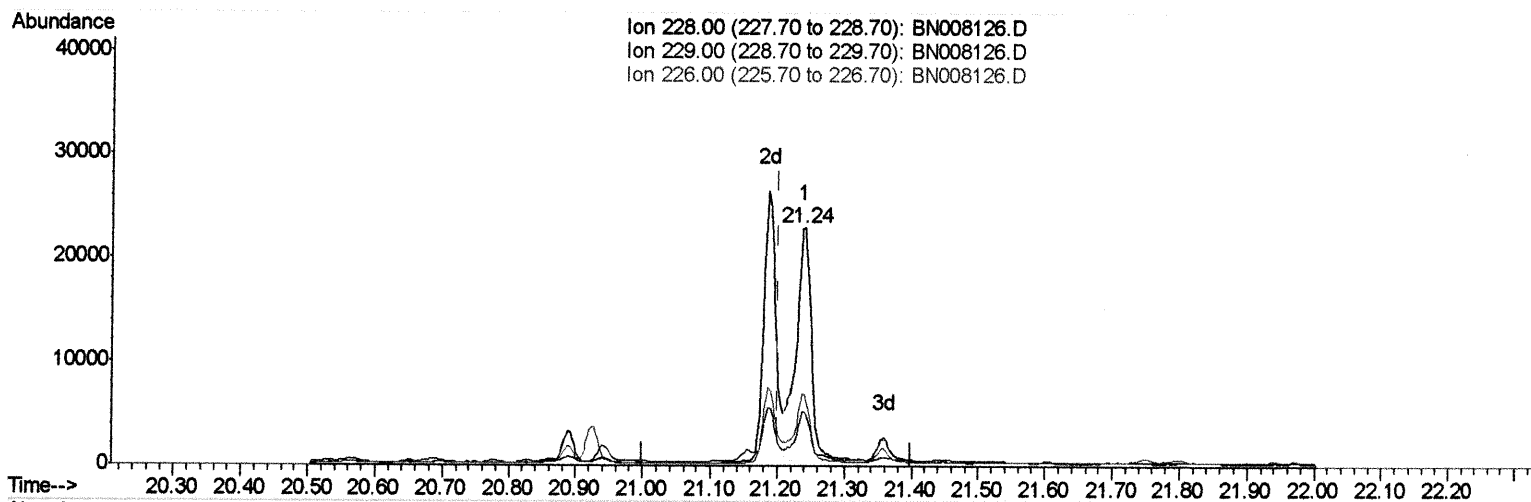
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:50:36 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(18) Benzo(a)anthracene

21.239min (+0.038) 0.50ng/ul

response 35516

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.20 | 22.75 |
| 226.00 | 26.70 | 30.05 |
| 0.00   | 0.00  | 0.00  |

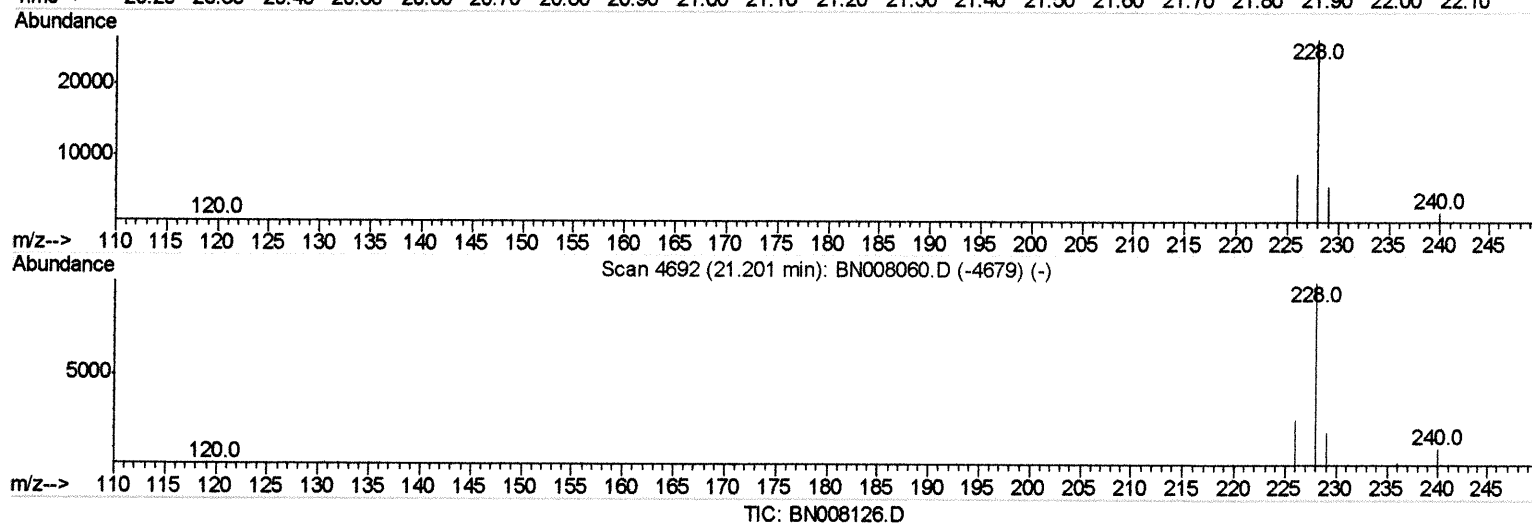
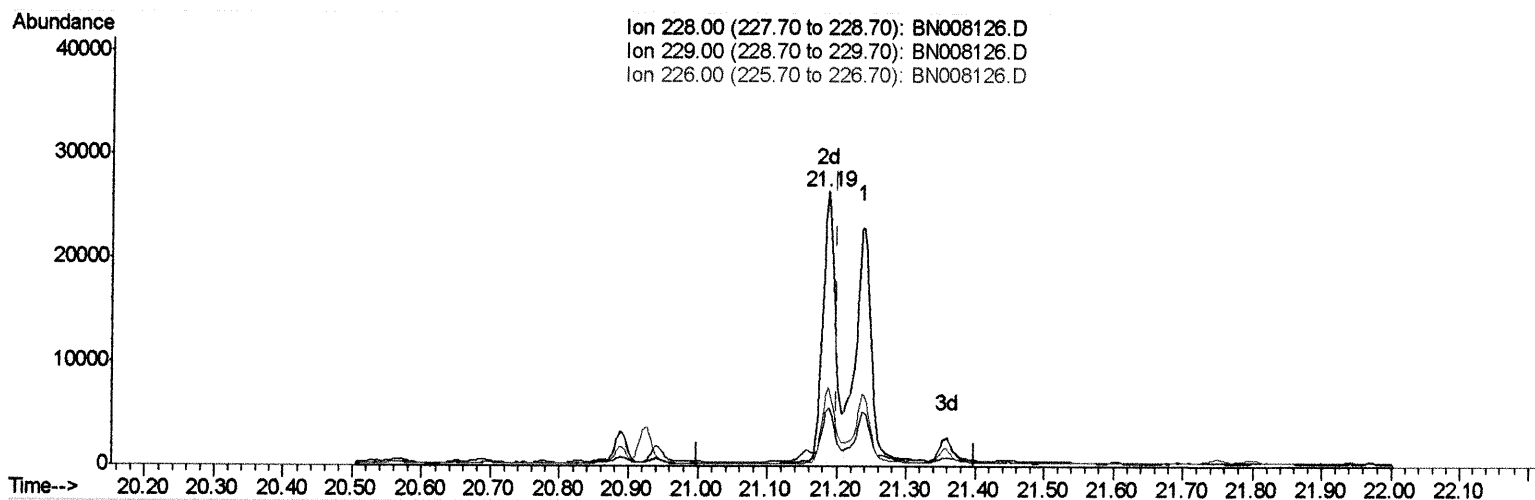
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:50:36 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(18) Benzo(a)anthracene

21.186min (-0.015) 0.47ng/ul m

*21 10/16/19*

response 33514

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.20 | 21.48 |
| 226.00 | 26.70 | 28.45 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008126.D

Acq On : 13 Oct 2019 00:18

Operator : JU

Sample : K5178-17

Misc :

ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA\_N

ClientSampleId :

BEPH9

Manual Integrations  
APPROVEDmohammad  
10/15/2019 7:59:29 AM

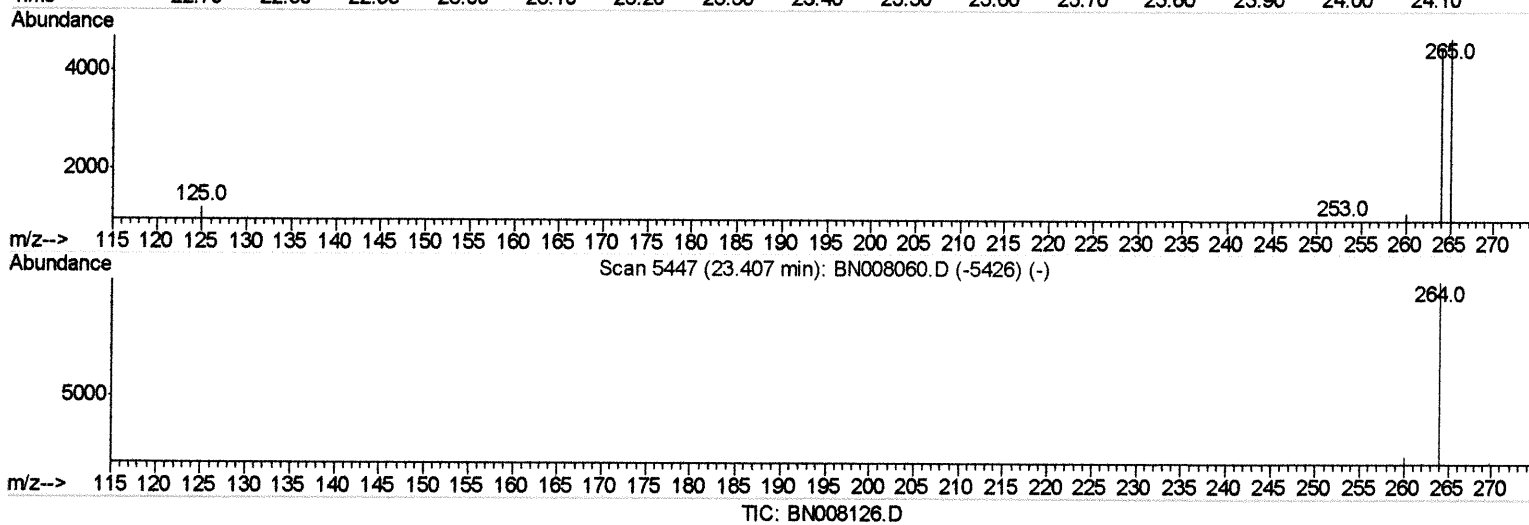
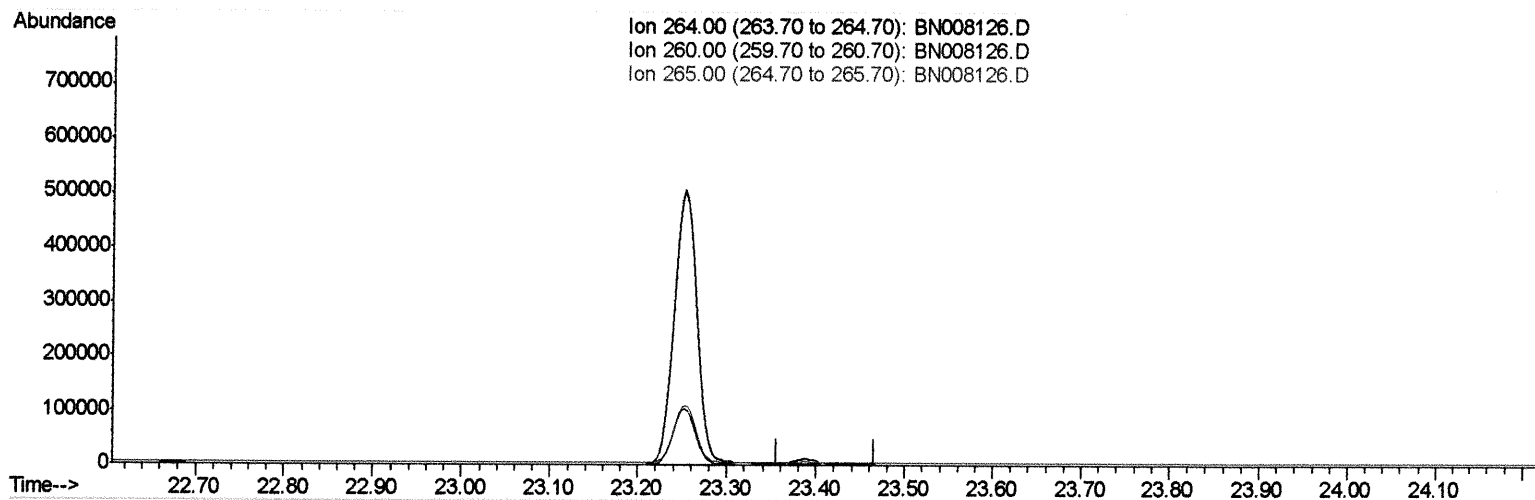
Quant Time: Oct 13 04:50:36 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(20) Perylene-d12 (I)

23.407min (-23.407) 0.00ng/ui

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  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008126.D

Acq On : 13 Oct 2019 00:18

Operator : JU

Sample : K5178-17

Misc :

ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA\_N

ClientSampleId :

BEPH9

Manual Integrations  
APPROVEDmohammad  
10/15/2019 7:59:29 AM

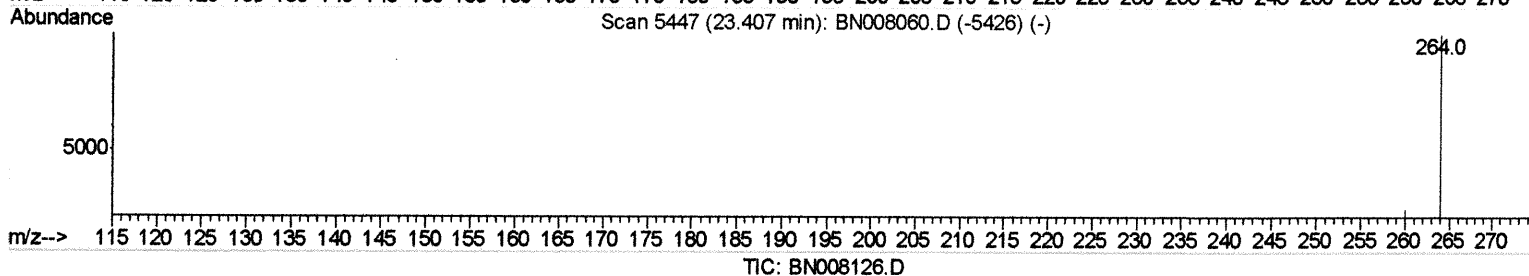
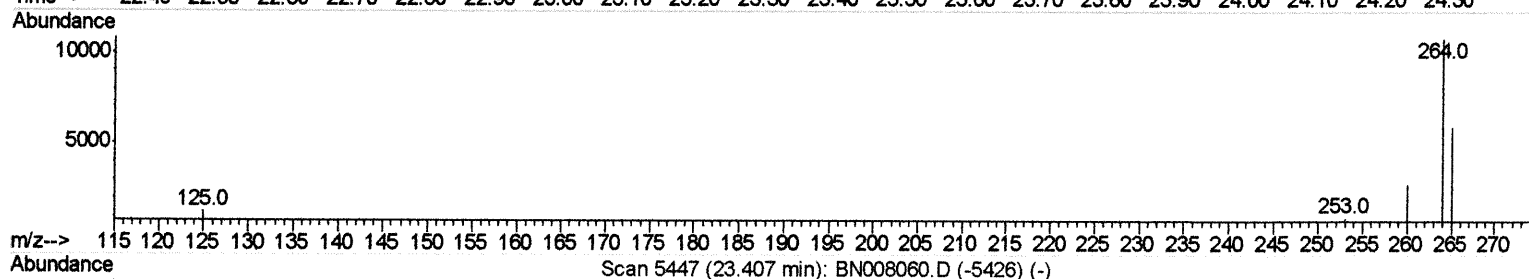
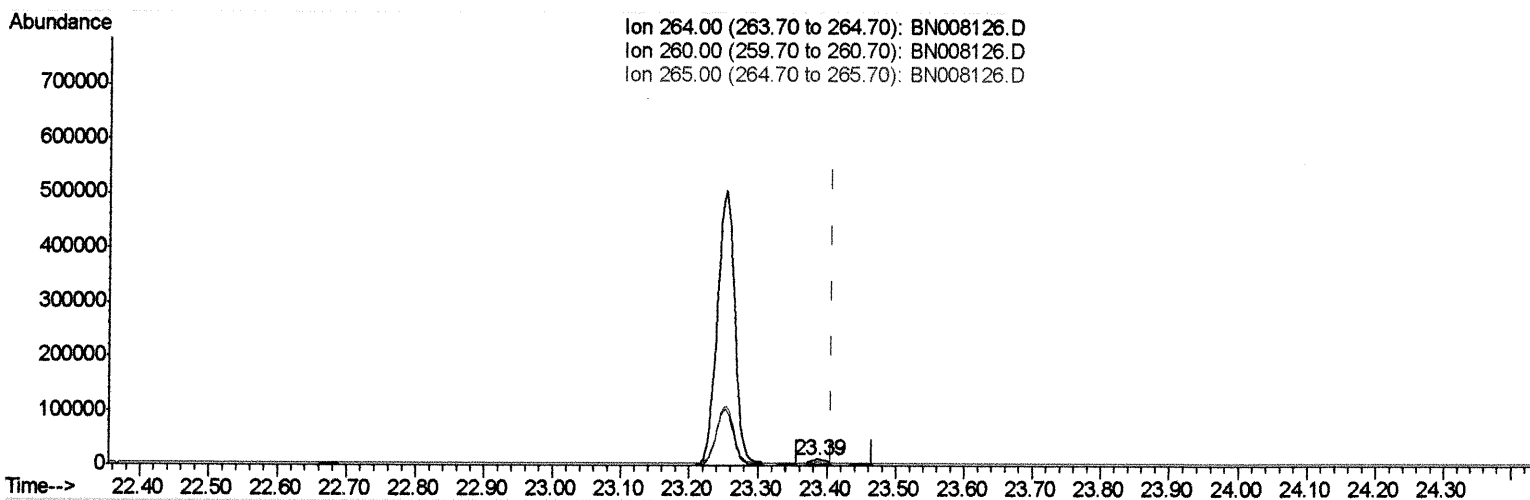
Quant Time: Oct 13 04:50:36 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(20) Perylene-d12 (I)

23.387min (-0.020) 0.40ng/ul m *JU 10/16/19*

response 15540

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 25.60 | 25.42  |
| 265.00 | 74.00 | 54.92# |
| 0.00   | 0.00  | 0.00   |

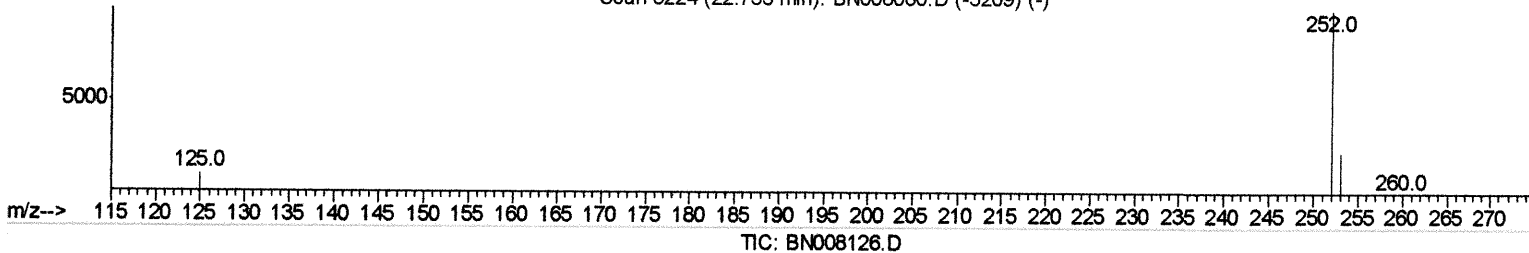
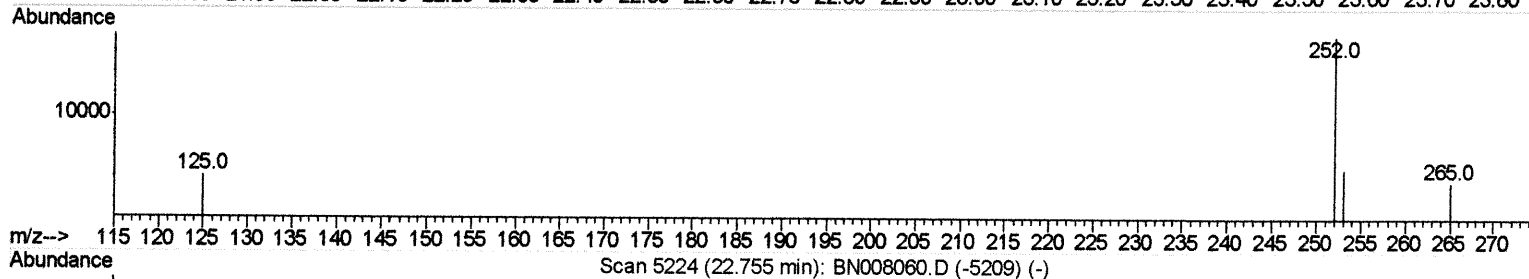
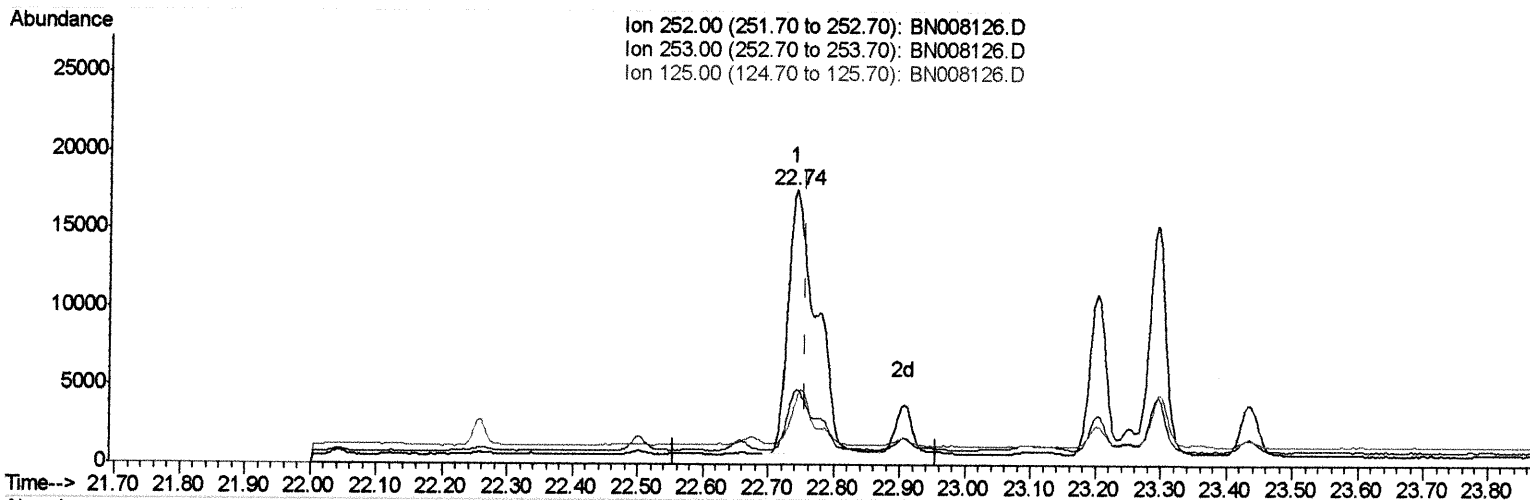
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:51:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.741min (-0.015) 1.01ng/ul

response 50897

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 27.31 |
| 125.00 | 16.20 | 23.21 |
| 0.00   | 0.00  | 0.00  |

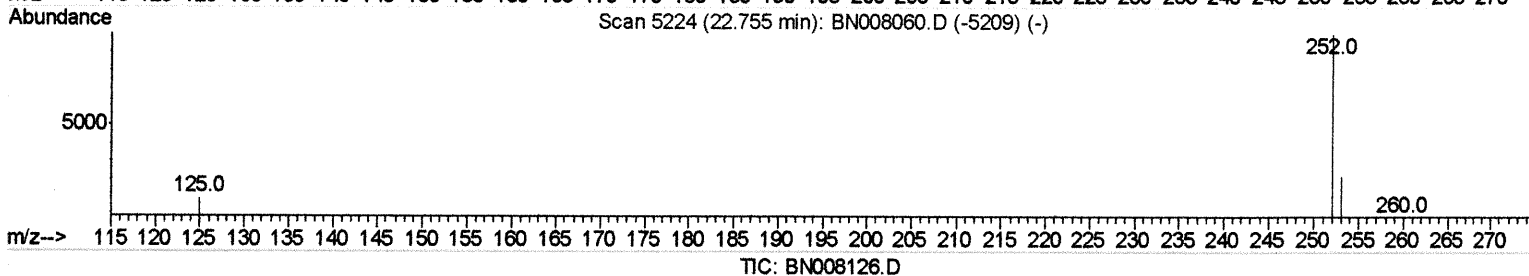
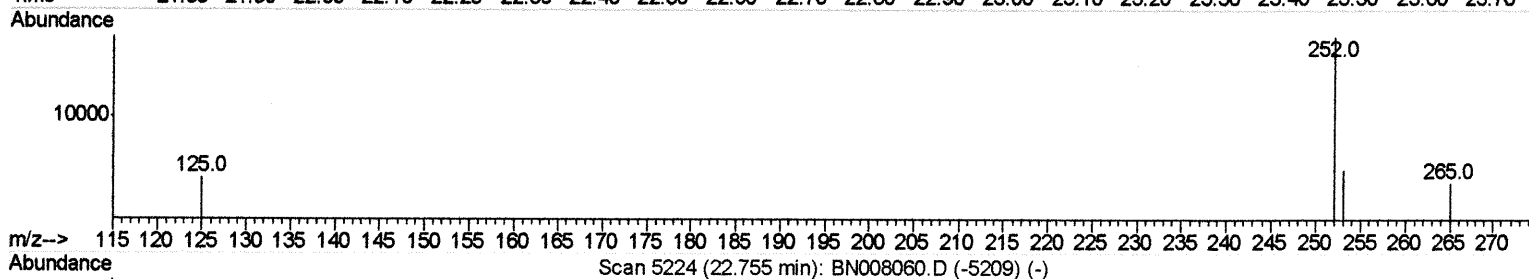
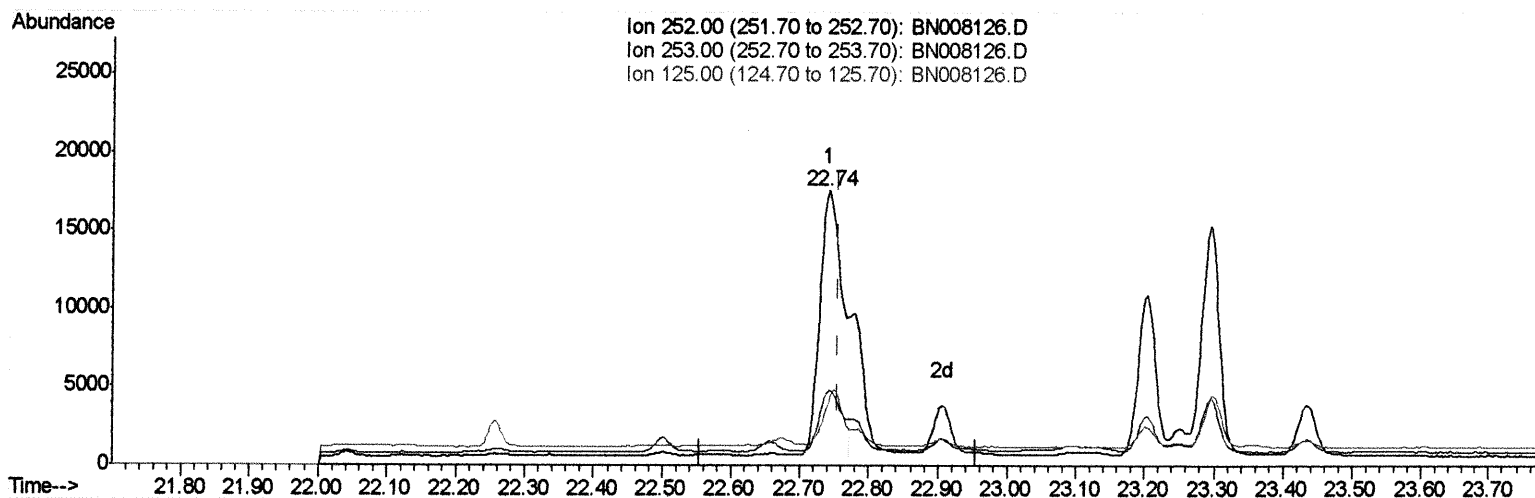
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:51:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.741min (-0.015) 0.76ng/ul m 24 10/16/19

response 38301

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 27.31 |
| 125.00 | 16.20 | 23.21 |
| 0.00   | 0.00  | 0.00  |

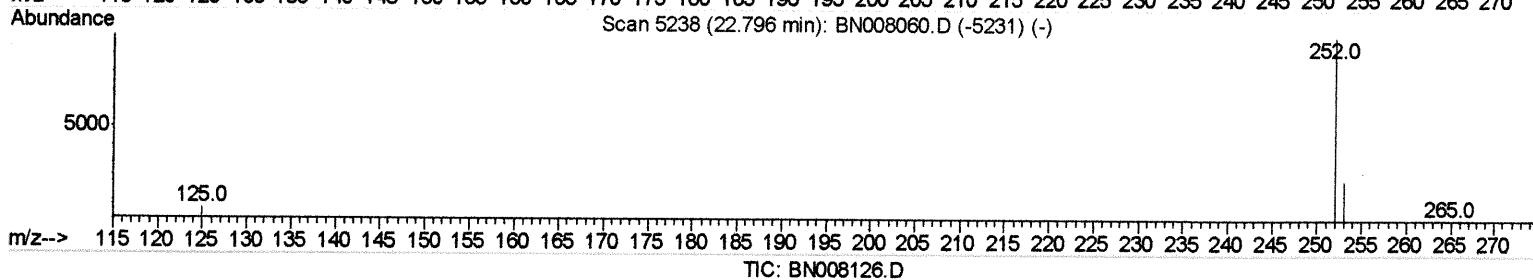
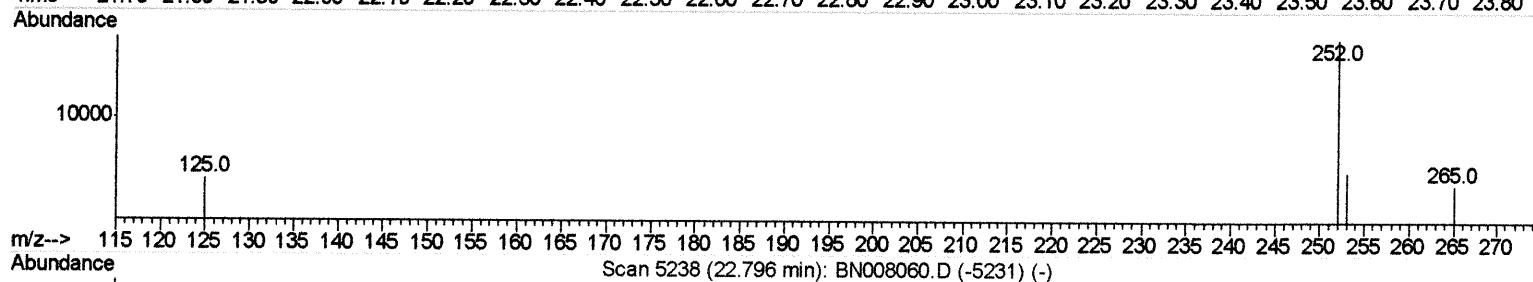
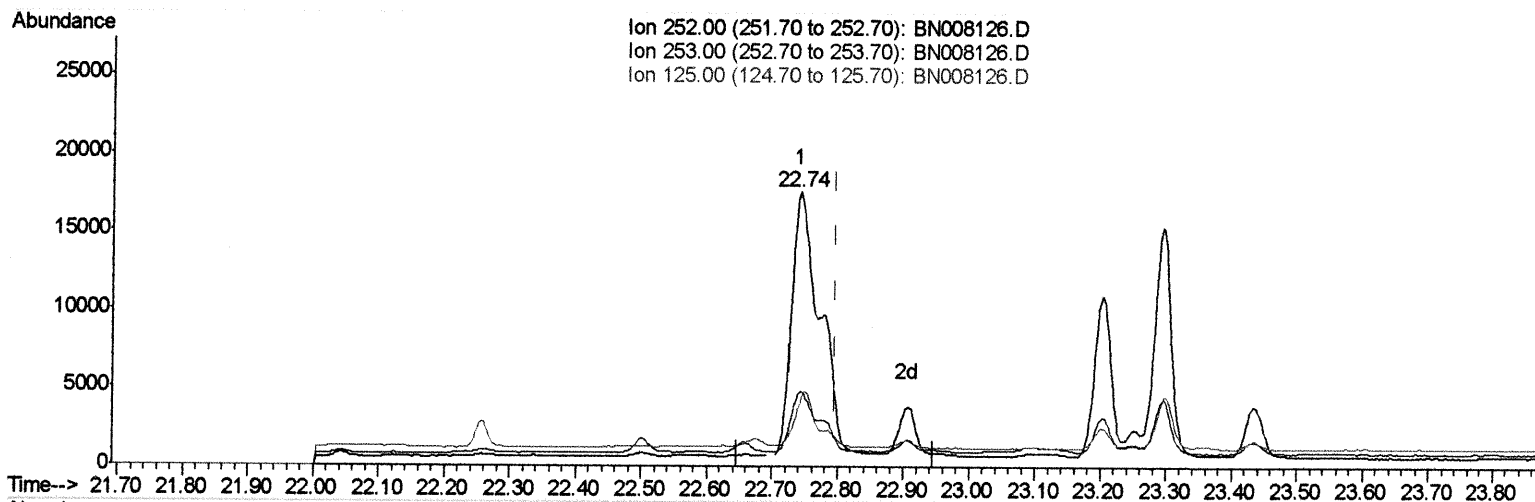
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:51:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.741min (-0.055) 0.89ng/ul

response 50897

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 27.31  |
| 125.00 | 15.40 | 23.21# |
| 0.00   | 0.00  | 0.00   |

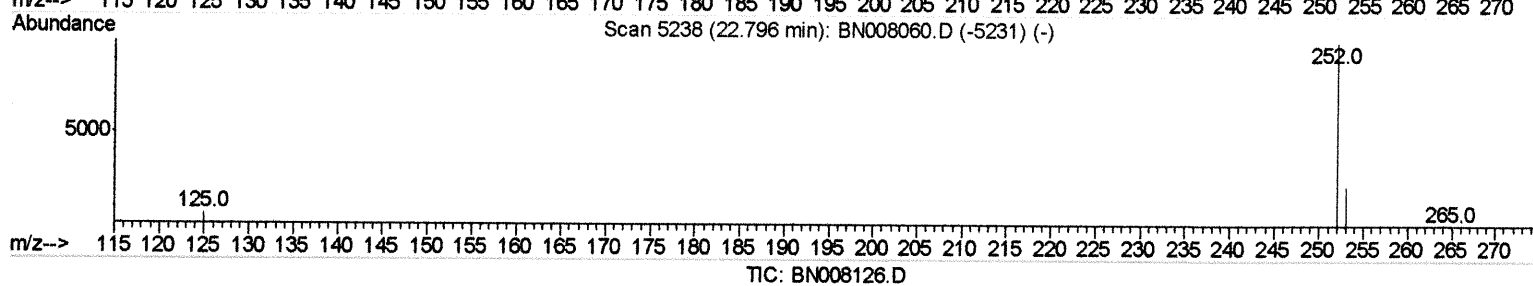
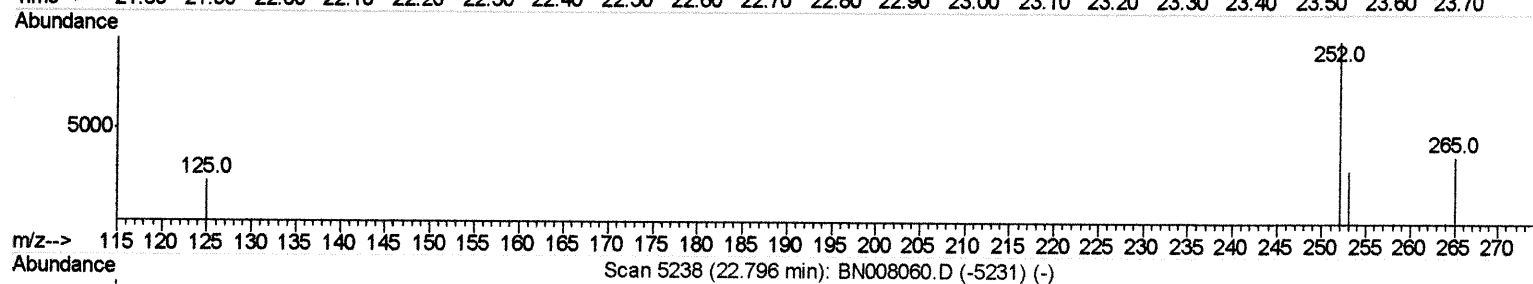
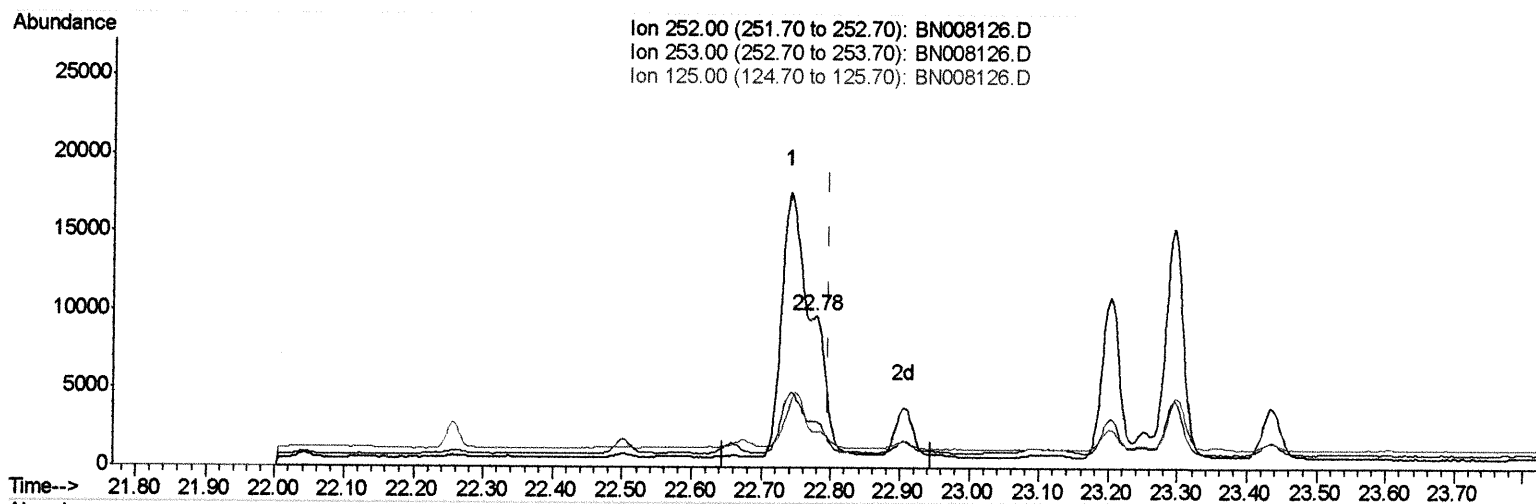
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008126.D  
Acq On : 13 Oct 2019 00:18  
Operator : JU  
Sample : K5178-17  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPH9

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:51:28 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.776min (-0.020) 0.20ng/ul m *JU 10/16/19*

response 11466

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 30.54  |
| 125.00 | 15.40 | 23.69# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
 Data File : BN008126.D  
 Acq On : 13 Oct 2019 00:18  
 Operator : JU  
 Sample : K5178-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEPH9

Manual Integrations  
 APPROVED

mohammad  
 10/15/2019 7:59:29 AM

Quant Time: Oct 13 04:52:12 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 : Fri Oct 11 19:05:54 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 2586     | 0.40 | ng/ul | -0.01     |
| 2) Naphthalene-d8         | 10.39 | 136  | 12527    | 0.40 | ng/ul | -0.02     |
| 6) Acenaphthene-d10       | 14.26 | 164  | 8102     | 0.40 | ng/ul | 0.00      |
| 10) Phenanthrene-d10      | 17.00 | 188  | 18531m   | 0.40 | ng/ul | -0.01     |
| 16) Chrysene-d12          | 21.20 | 240  | 19508m   | 0.40 | ng/ul | -0.01     |
| 20) Perylene-d12          | 23.39 | 264  | 15540m   | 0.40 | ng/ul | -0.02     |

## System Monitoring Compounds

|                            |       |     |        |      |       |       |
|----------------------------|-------|-----|--------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 3777   | 0.18 | ng/ul | -0.01 |
| 14) Fluoranthene-d10       | 19.04 | 212 | 12223m | 0.19 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |        |       | Ovalue |    |
|----------------------------|-------|-----|--------|-------|--------|----|
| 7) Acenaphthylene          | 13.98 | 152 | 2040   | 0.053 | ng/ul# | 80 |
| 8) Acenaphthene            | 14.32 | 153 | 2011   | 0.067 | ng/ul  | 98 |
| 9) Fluorene                | 15.31 | 166 | 2086   | 0.061 | ng/ul# | 97 |
| 12) Phenanthrene           | 17.05 | 178 | 36162m | 0.667 | ng/ul  | }  |
| 13) Anthracene             | 17.14 | 178 | 7814m  | 0.164 | ng/ul  |    |
| 15) Fluoranthene           | 19.07 | 202 | 61859m | 0.863 | ng/ul  |    |
| 17) Pyrene                 | 19.43 | 202 | 59300  | 0.763 | ng/ul  | 99 |
| 18) Benzo(a)anthracene     | 21.19 | 228 | 33514m | 0.473 | ng/ul  | }  |
| 19) Chrysene               | 21.24 | 228 | 33523  | 0.385 | ng/ul  |    |
| 21) Benzo(b)fluoranthene   | 22.74 | 252 | 38301m | 0.757 | ng/ul  | }  |
| 22) Benzo(k)fluoranthene   | 22.78 | 252 | 11466m | 0.200 | ng/ul  |    |
| 23) Benzo(a)pyrene         | 23.29 | 252 | 25794  | 0.485 | ng/ul  | 95 |
| 24) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 14426  | 0.230 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.57 | 278 | 3281   | 0.066 | ng/ul# | 53 |
| 26) Benzo(a,h,i)perylene   | 26.22 | 276 | 13580  | 0.236 | ng/ul  | 94 |

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