

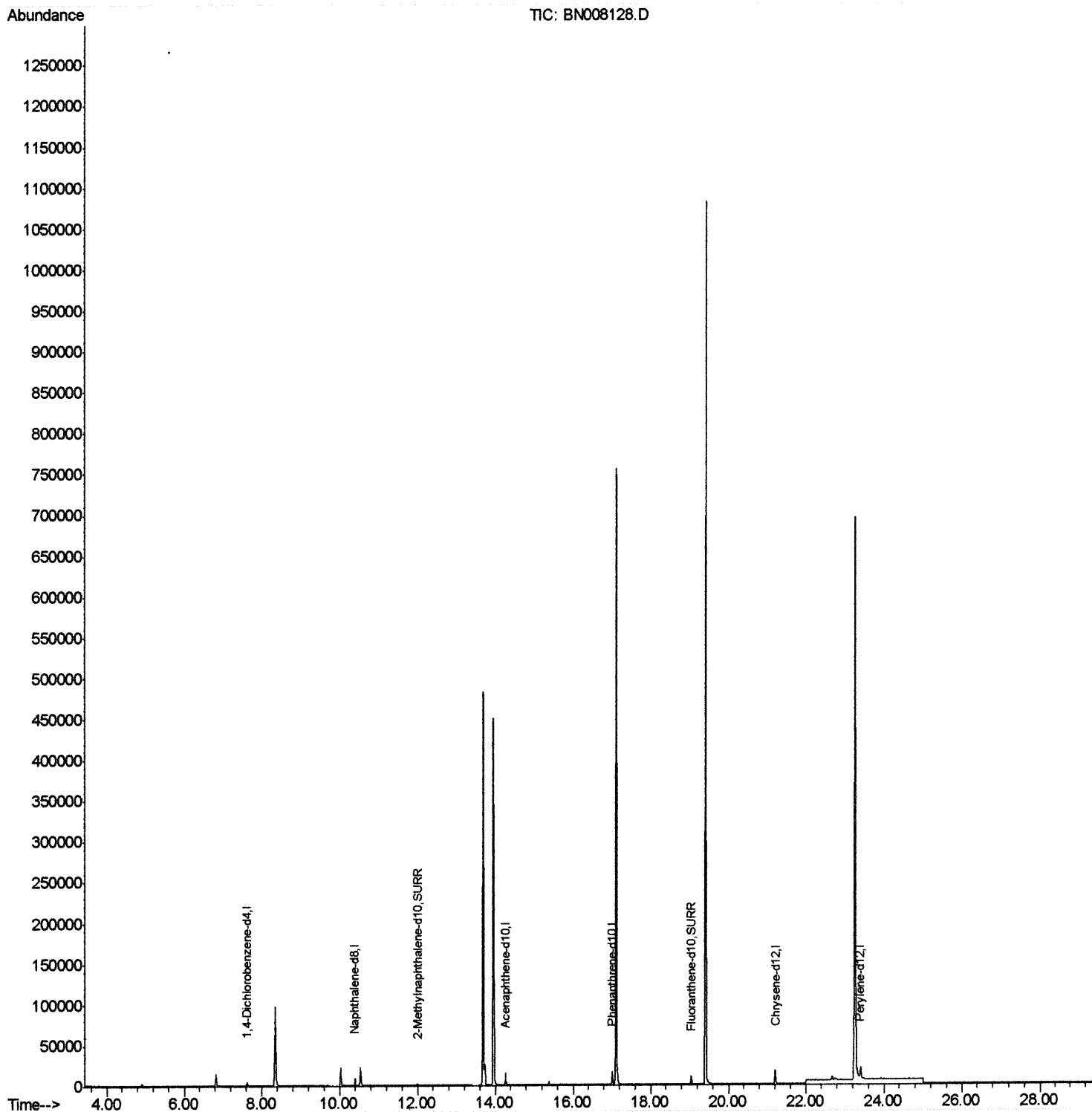
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:12:57 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



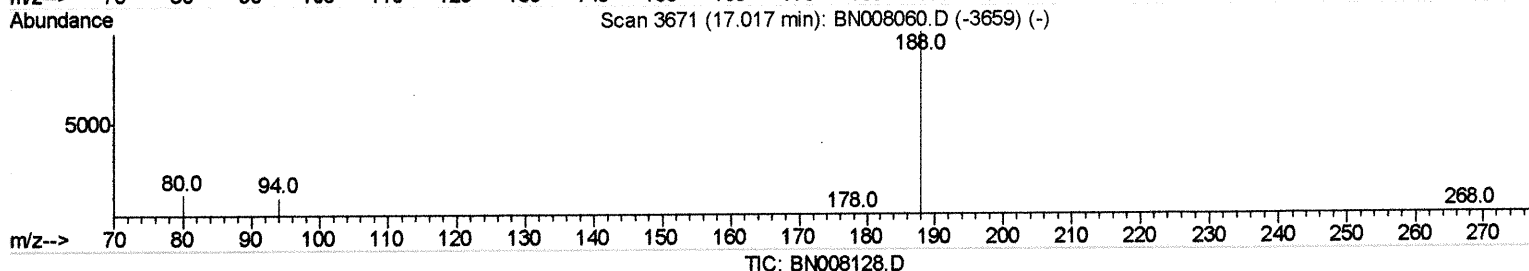
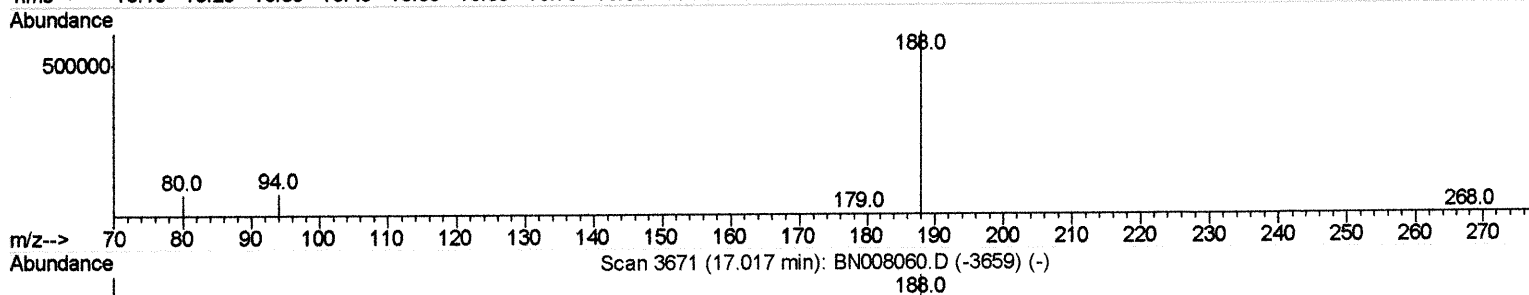
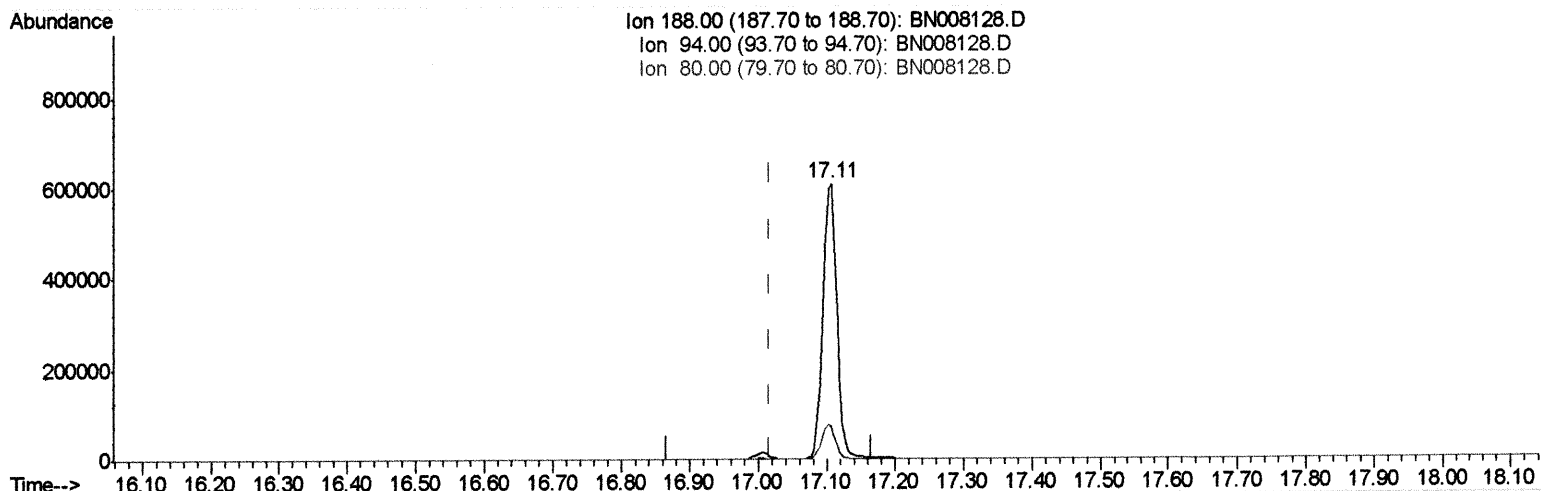
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
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Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:02:16 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 854249

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.90 | 11.74 |
| 80.00  | 12.60 | 11.29 |
| 0.00   | 0.00  | 0.00  |

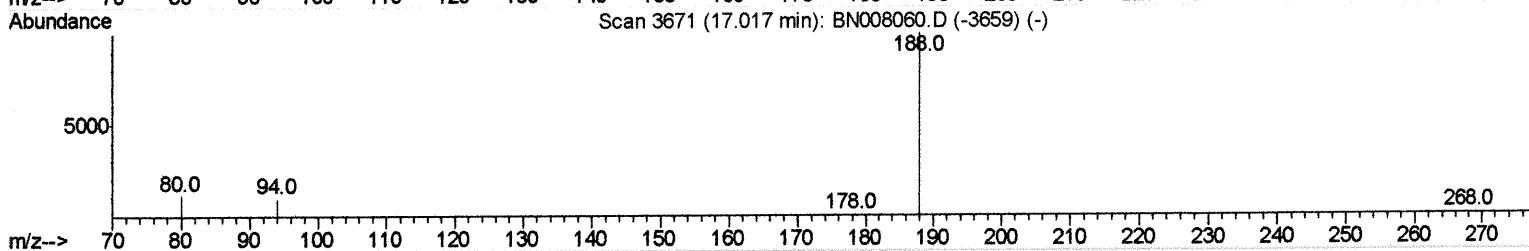
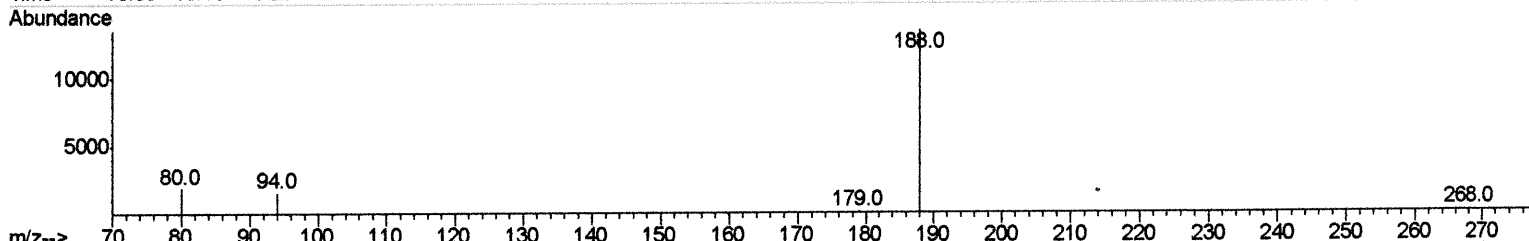
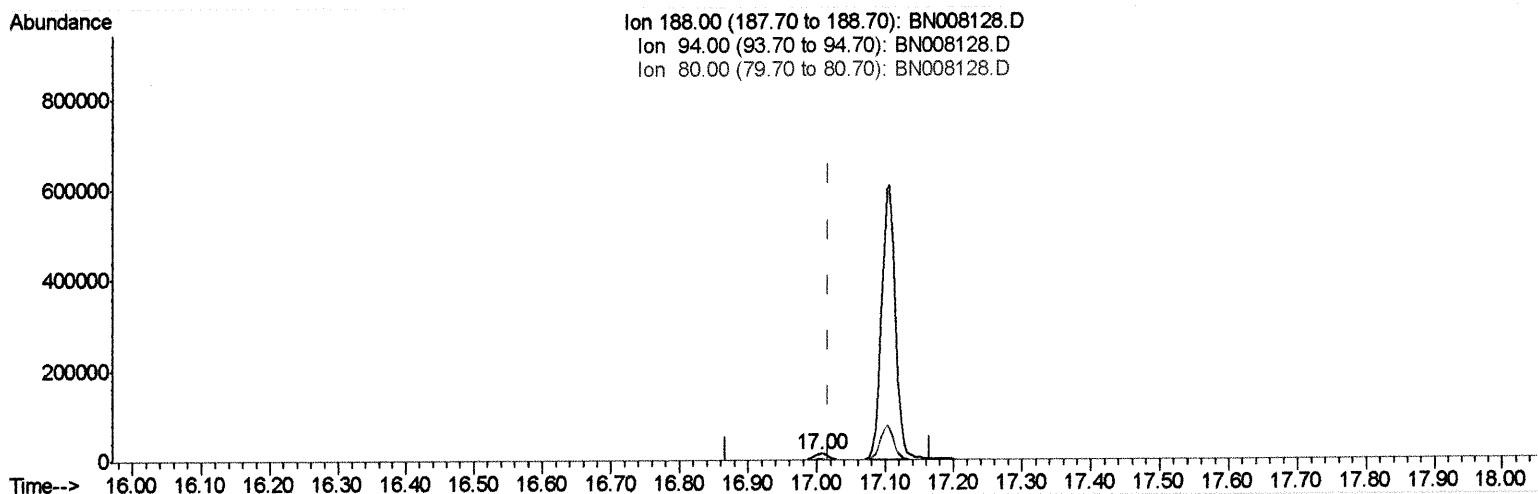
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:02:16 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 : Fri Oct 11 19:05:54 2019  
Response via : Initial Calibration



TIC: BN008128.D

(10) Phenanthrene-d10 (I)

17.004min (-0.012) 0.40ng/ul m *JU 10/16/19*

response 19895

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.90 | 11.37 |
| 80.00  | 12.60 | 13.87 |
| 0.00   | 0.00  | 0.00  |

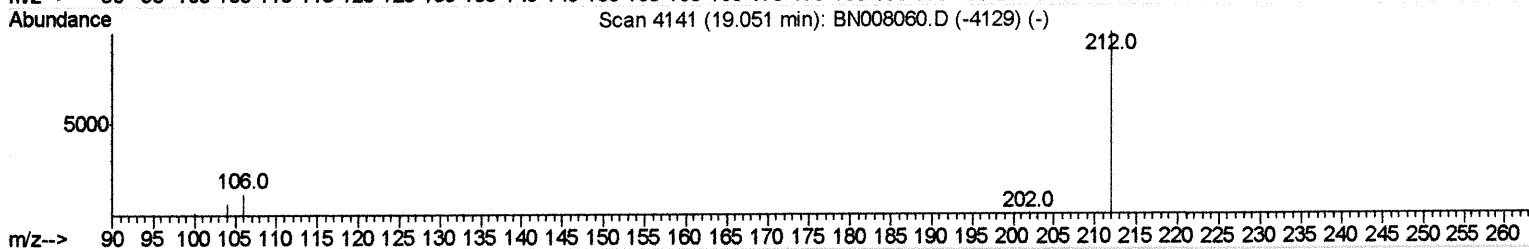
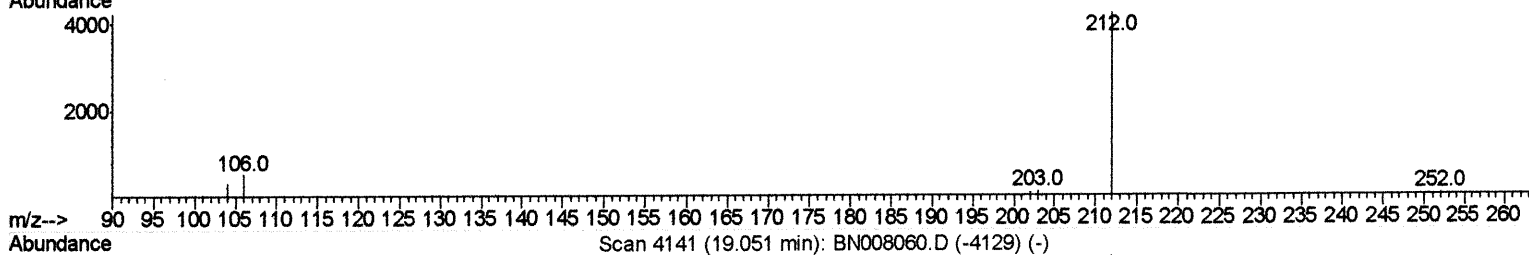
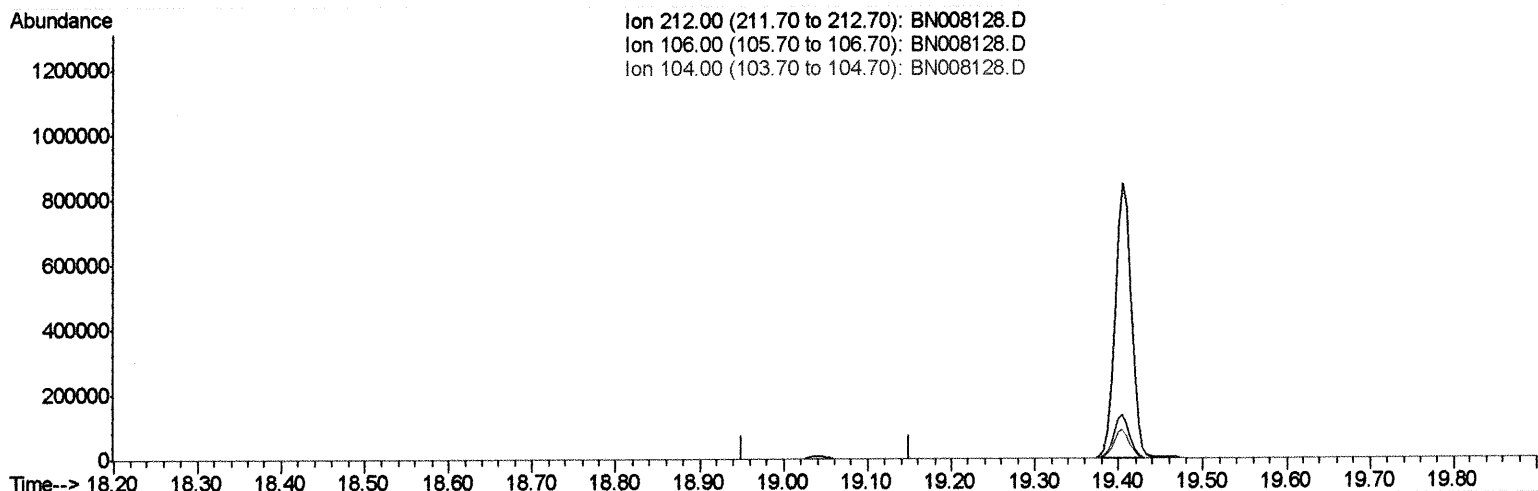
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:11:08 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  |

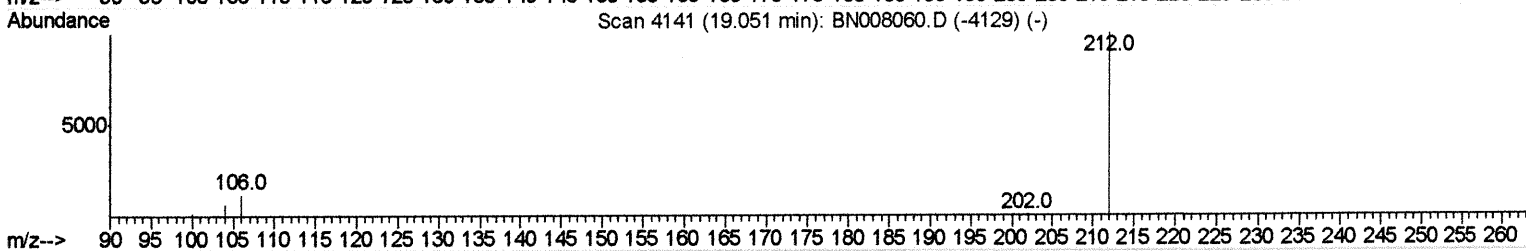
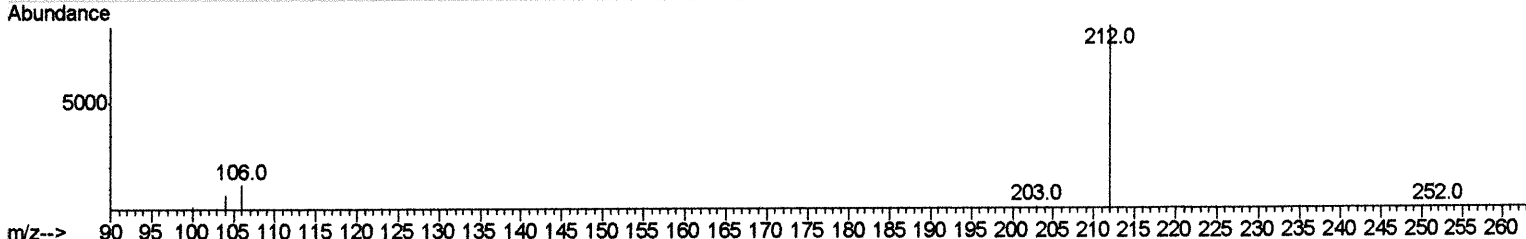
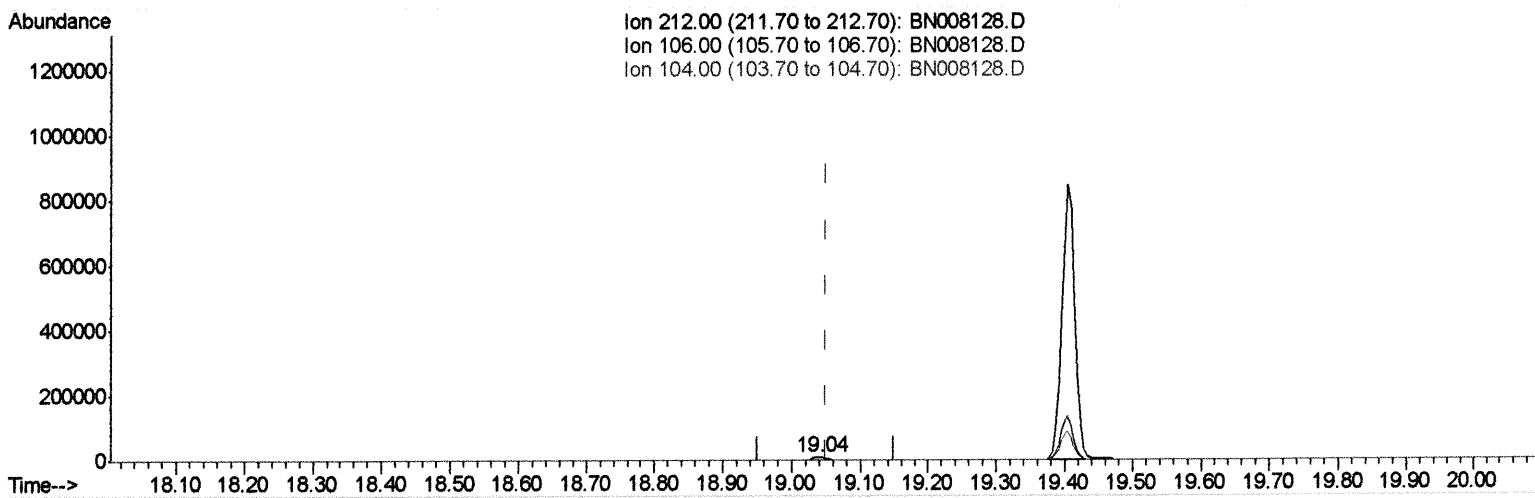
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:11:08 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: BN008128.D

(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.18ng/ul m *JU 10/16/19*

response 12428

| 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  |

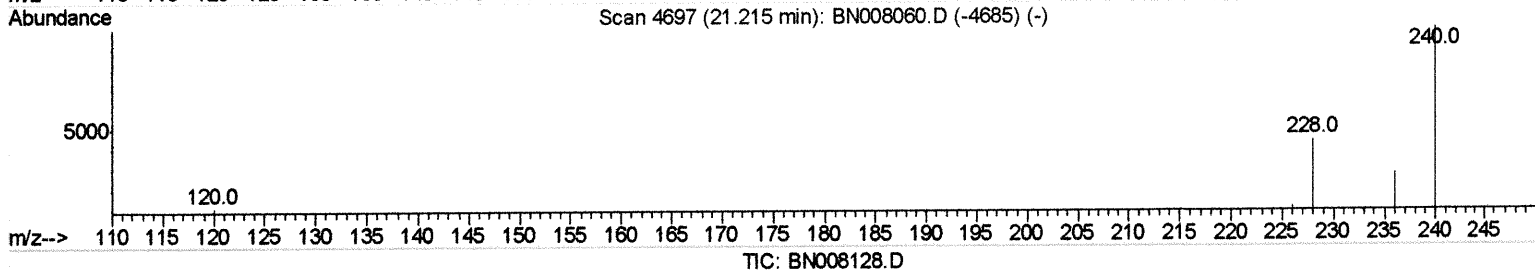
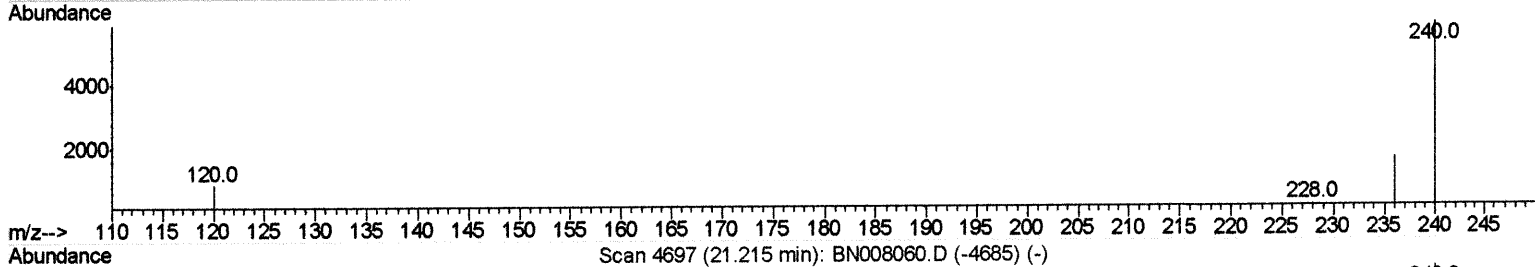
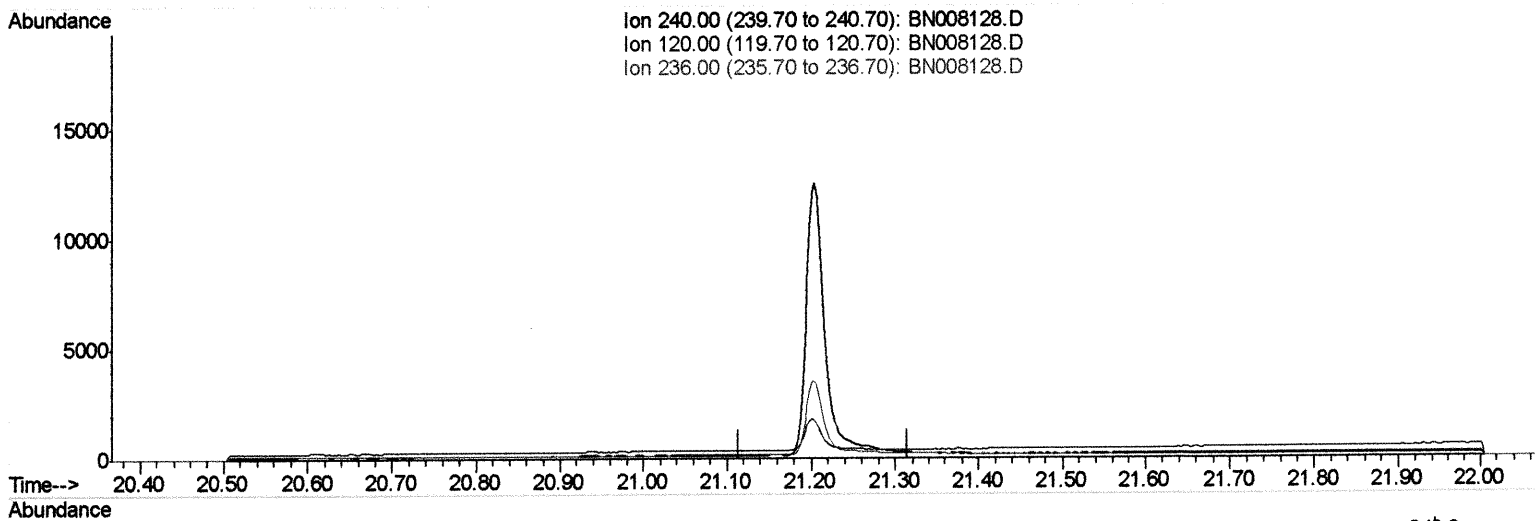
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:11:47 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)

21.215min (-21.215) 0.00ng/ul

response 0

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

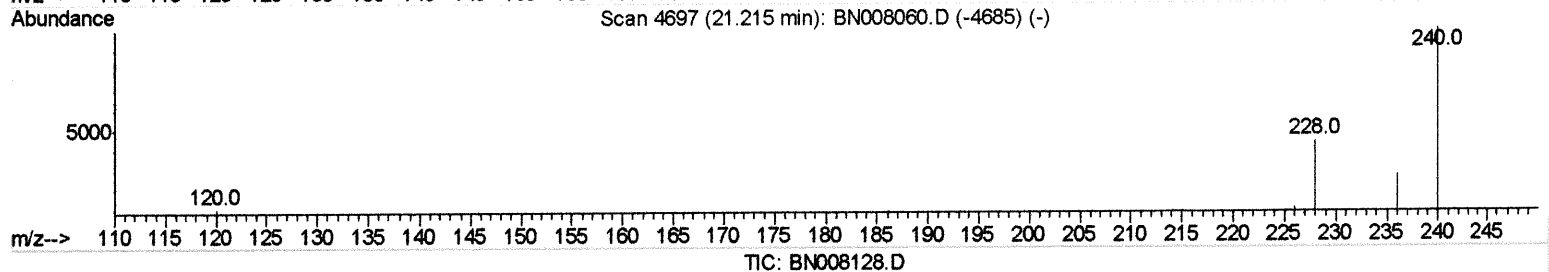
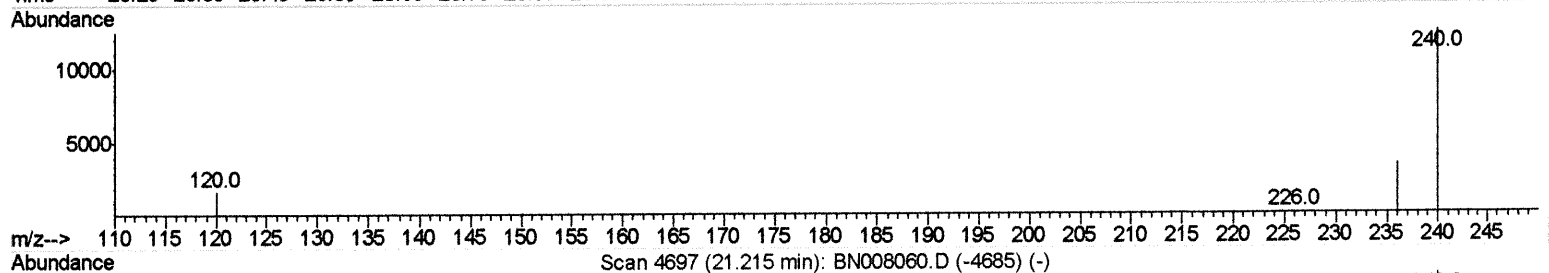
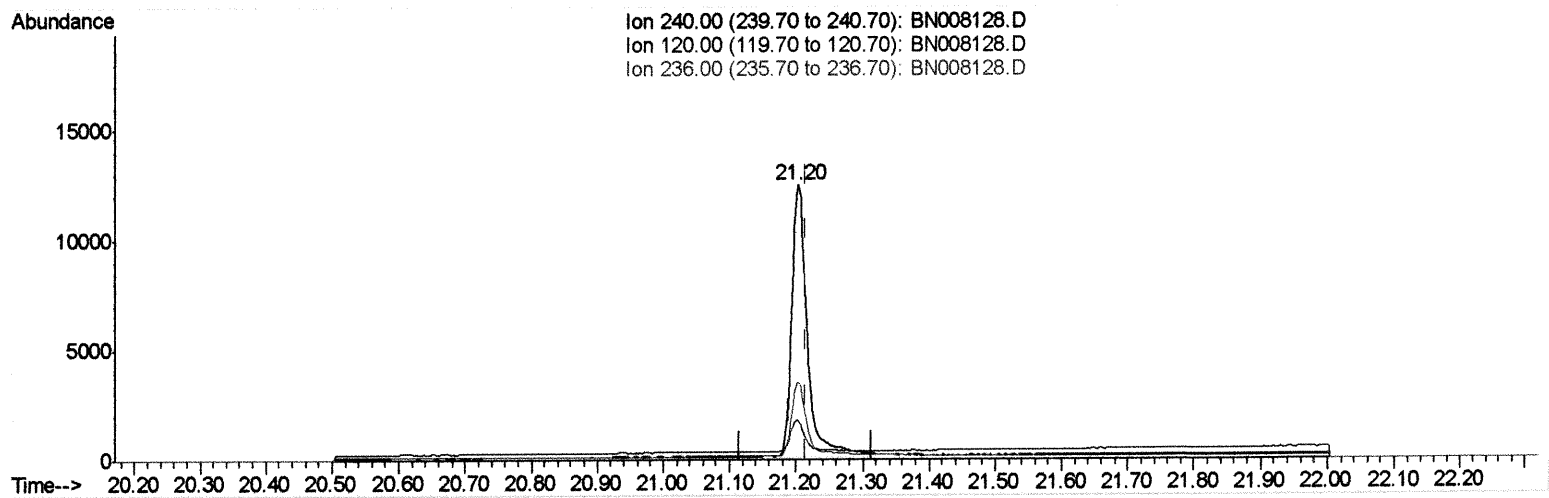
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
Data File : BN008128.D  
Acq On : 13 Oct 2019 01:30  
Operator : JU  
Sample : K5178-19  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPJ1

Manual Integrations  
APPROVED

mohammad  
10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:11:47 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 (-0.011) 0.40ng/ul m JU 10/16/19

response 19962

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 14.70 | 14.04 |
| 236.00 | 28.40 | 28.08 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
 Data File : BN008128.D  
 Acq On : 13 Oct 2019 01:30  
 Operator : JU  
 Sample : K5178-19  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEPJ1

Manual Integrations  
 APPROVED

mohammad  
 10/15/2019 7:59:34 AM

Quant Time: Oct 14 01:12:57 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  | 2699     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.39 | 136  | 13242    | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.26 | 164  | 8611     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.00 | 188  | 19895m   | 0.40 | ng/ul | -0.01    |
| 16) Chrysene-d12          | 21.20 | 240  | 19962m   | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.39 | 264  | 18792    | 0.40 | ng/ul | -0.02    |

*JE 10/16/19*

## System Monitoring Compounds

|                            |       |     |        |      |       |       |
|----------------------------|-------|-----|--------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 3419   | 0.15 | ng/ul | -0.01 |
| 14) Fluoranthene-d10       | 19.04 | 212 | 12428m | 0.18 | ng/ul | 0.00  |

*JU 10/16/19*

| Target Compounds | Ovalue |
|------------------|--------|
|------------------|--------|

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