

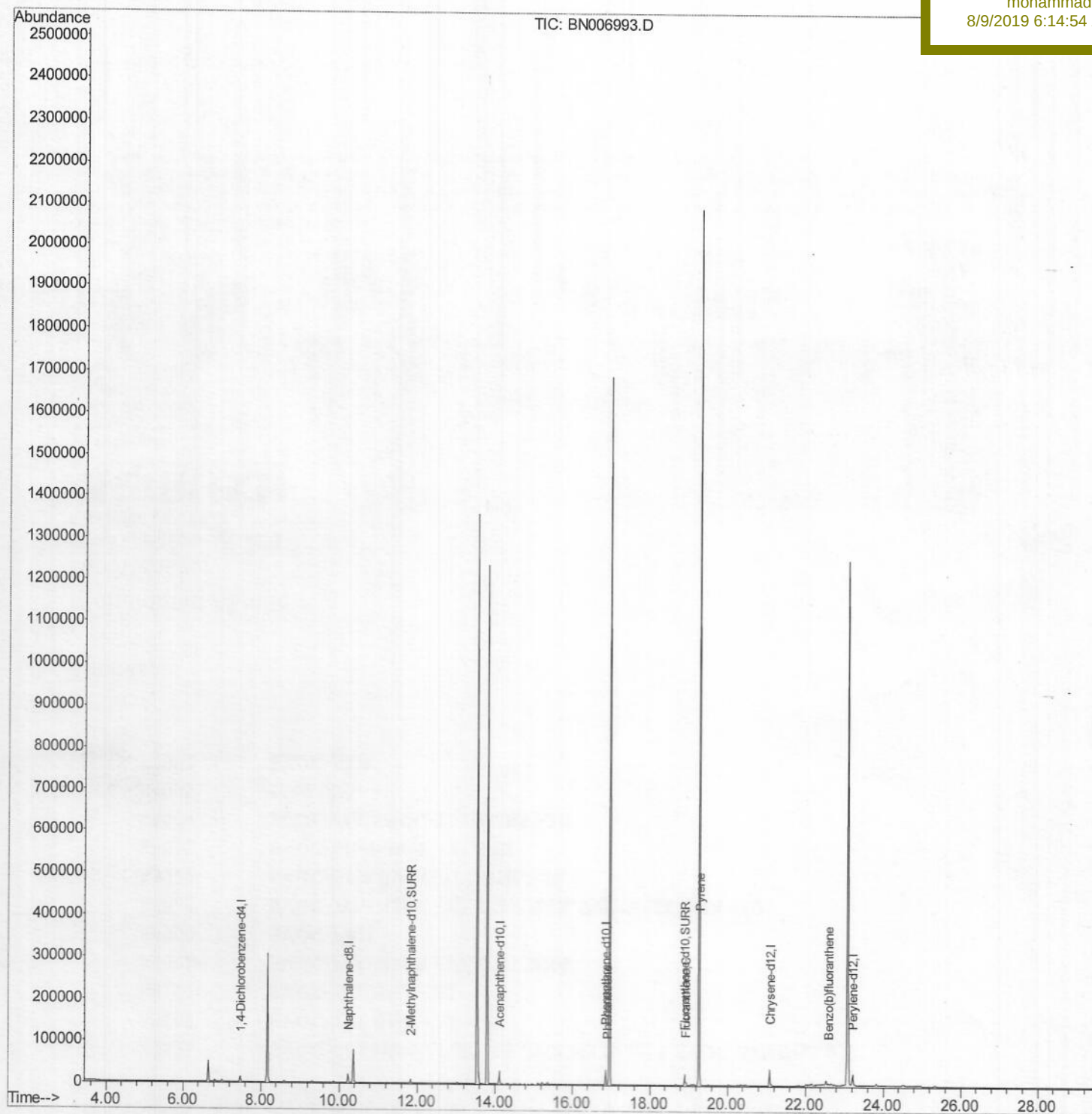
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\  
Data File : BN006993.D  
Acq On : 07 Aug 2019 18:33  
Operator : HP/JU  
Sample : K3893-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:07:04 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 17:30:08 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampled :  
BEP22

Manual Integrations  
APPROVED

mohammad  
8/9/2019 6:14:54 AM



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 04:52:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

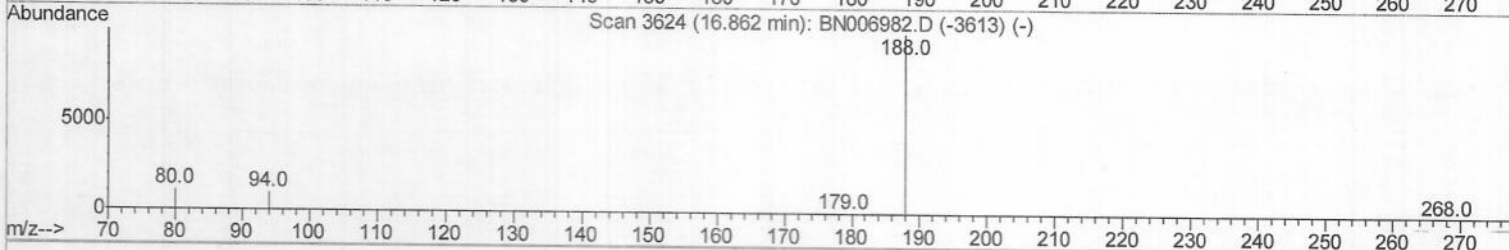
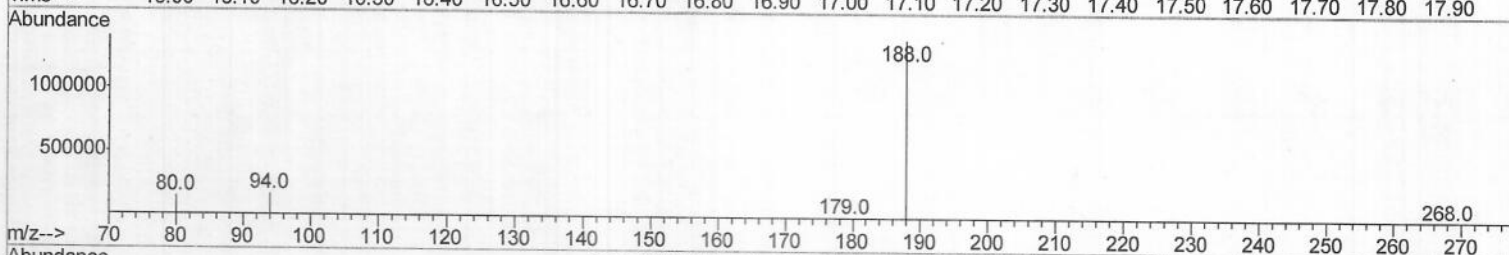
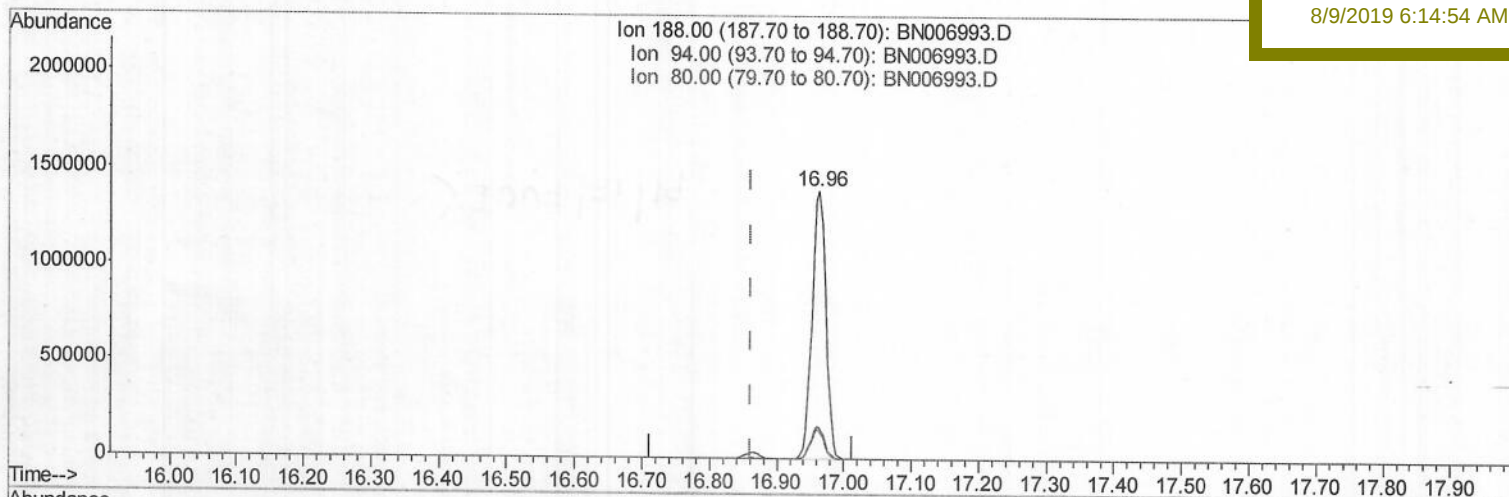
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

TIC: BN006993.D

(10) Phenanthrene-d10 (I)

16.964min (+0.101) 0.40ng/ul

response 2011494

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 11.48 |
| 80.00  | 12.40 | 10.18 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 04:52:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

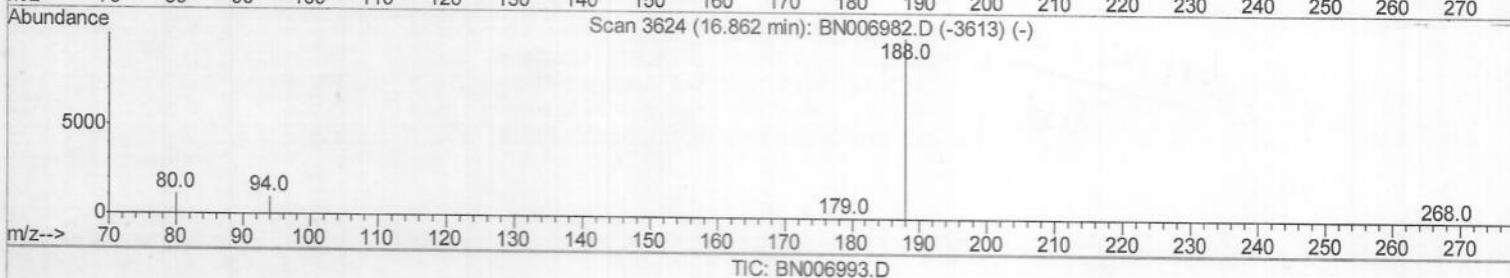
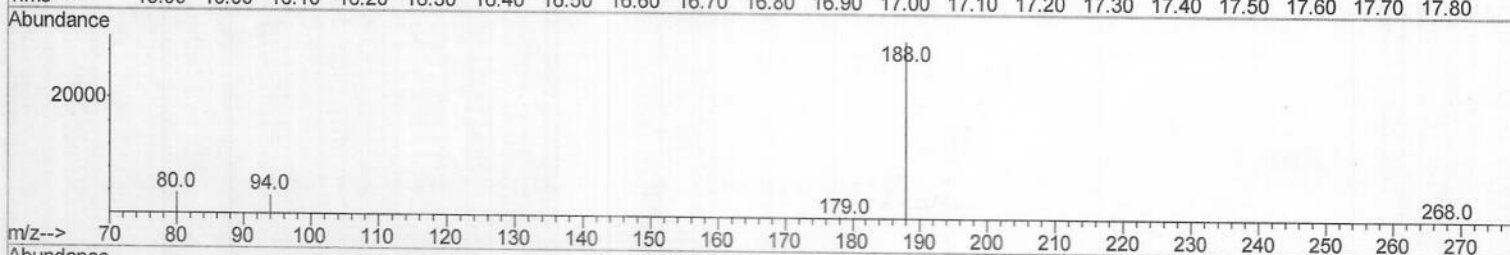
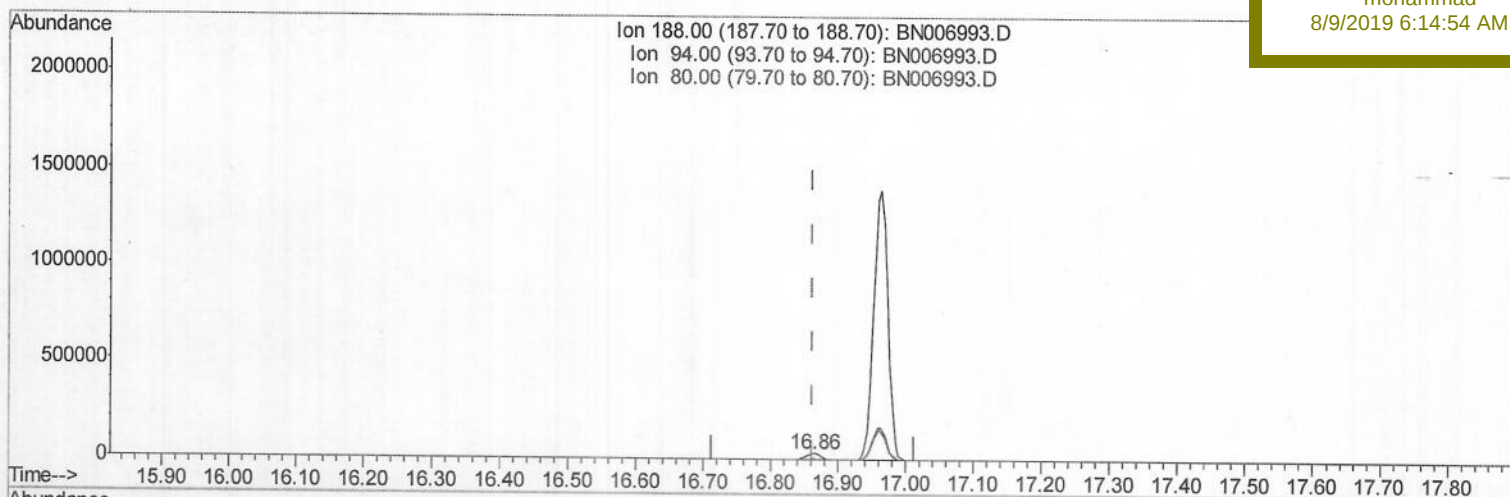
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

(10) Phenanthrene-d10 (I)

16.862min (-0.000) 0.40ng/ul m )JU

response 42404

08/08/19

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.69 |
| 80.00  | 12.40 | 11.61 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:01:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

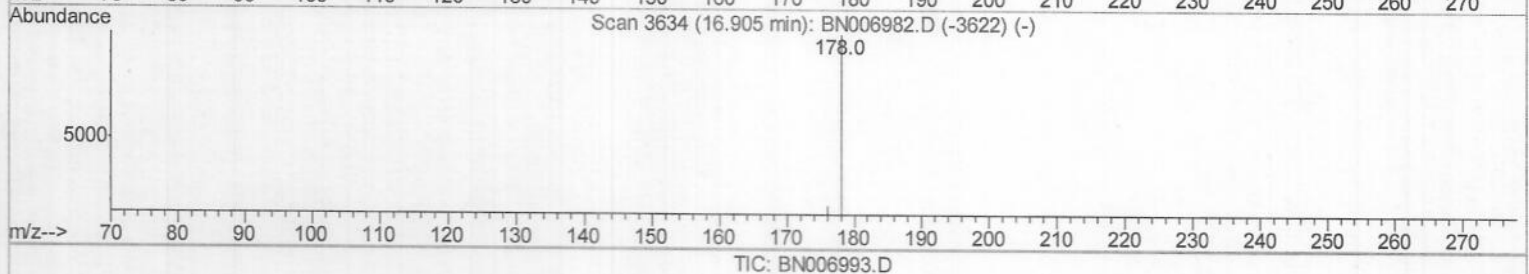
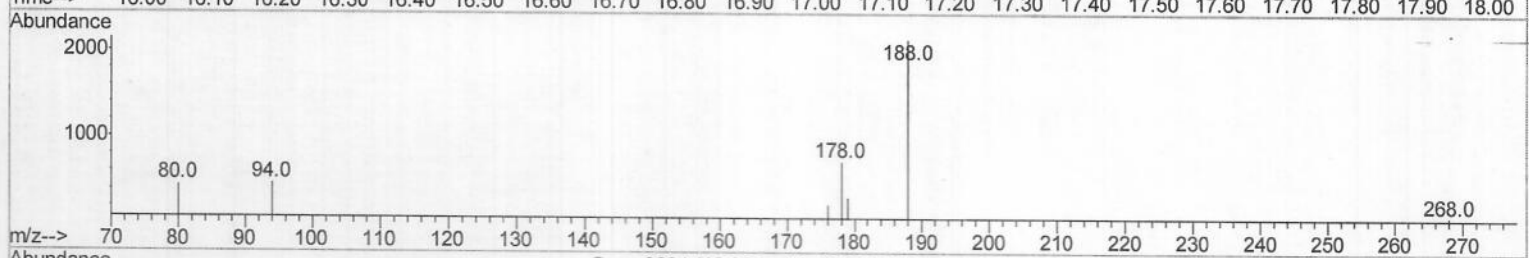
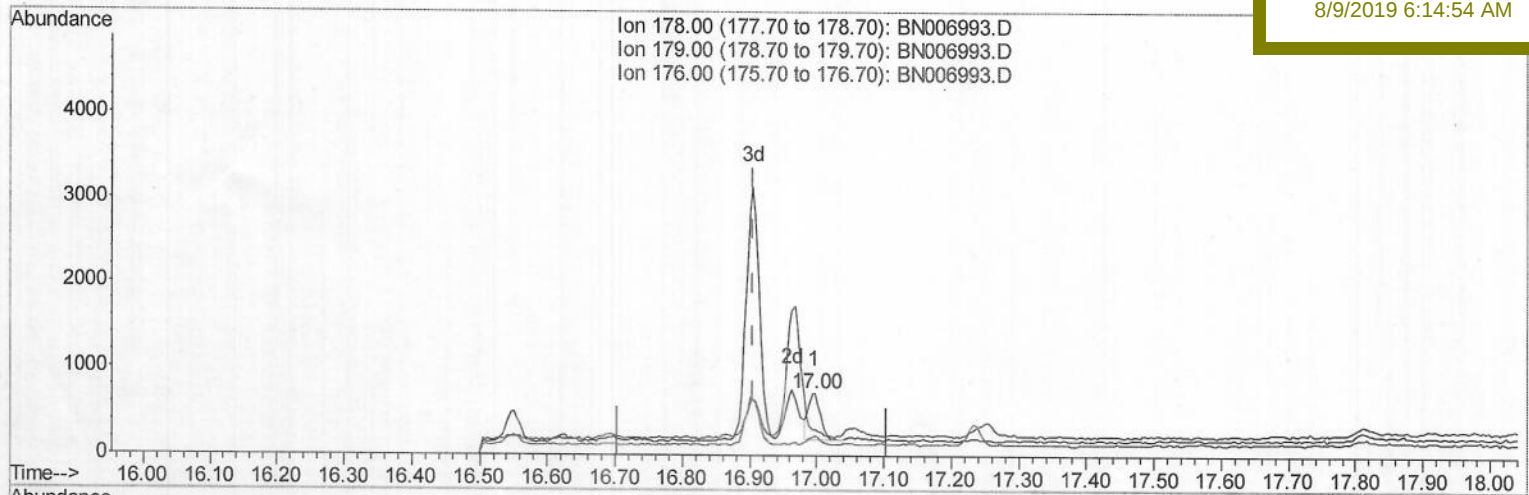
BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM



(12) Phenanthrene

16.997min (+0.093) 0.00ng/ul

response 663

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.60 | 41.97# |
| 176.00 | 19.50 | 31.58# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:01:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

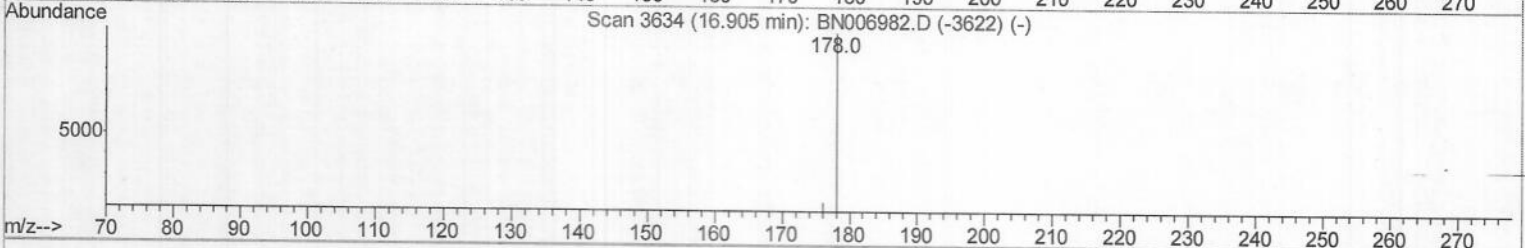
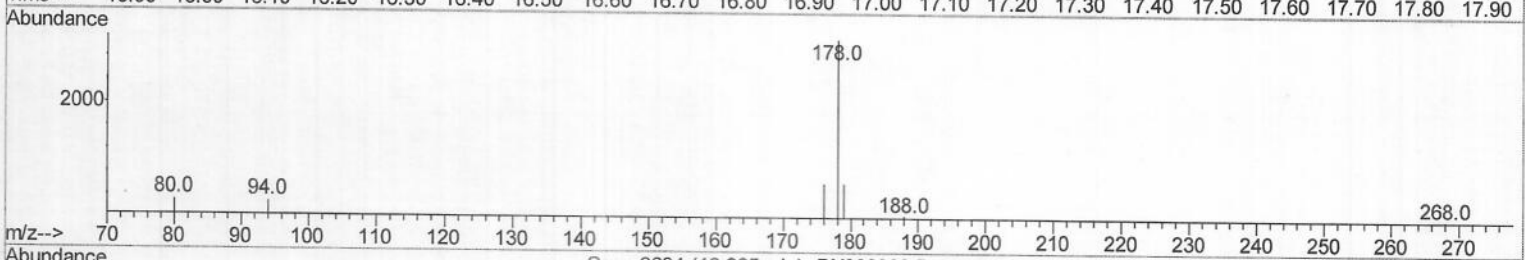
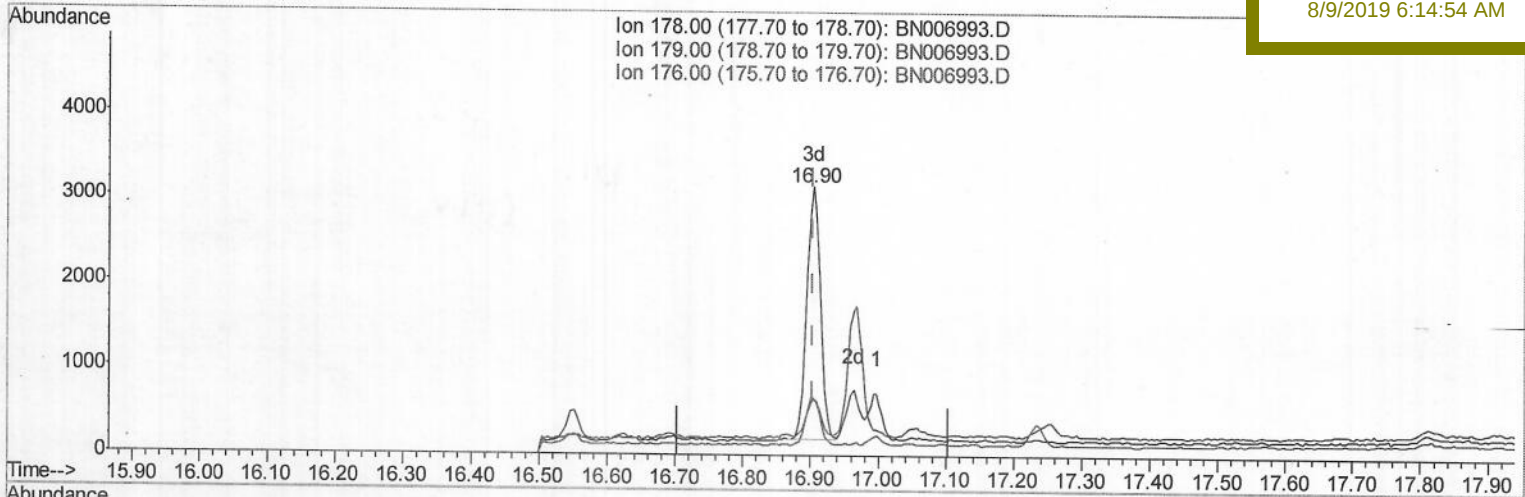
BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM



TIC: BN006993.D

(12) Phenanthrene

16.905min (-0.000) 0.03ng/ul m ) JU  
08/08/19

response 4086

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.60 | 20.62# |
| 176.00 | 19.50 | 21.07  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

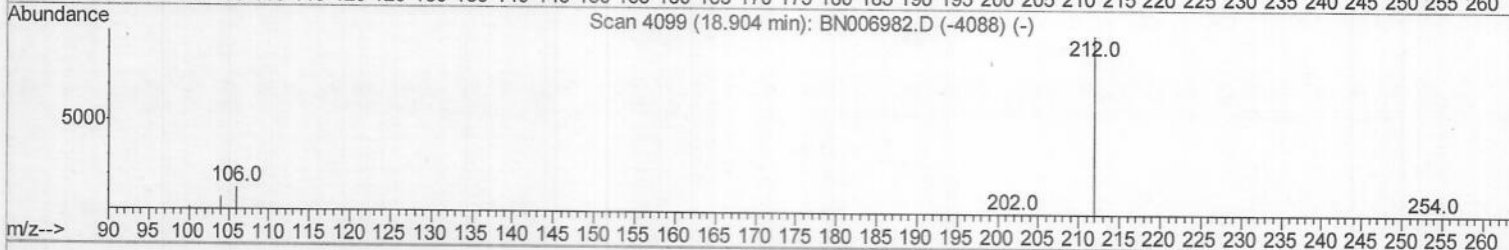
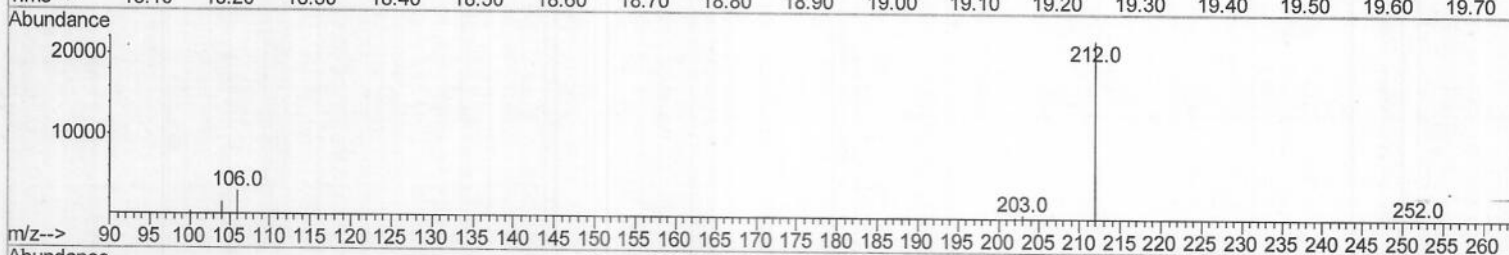
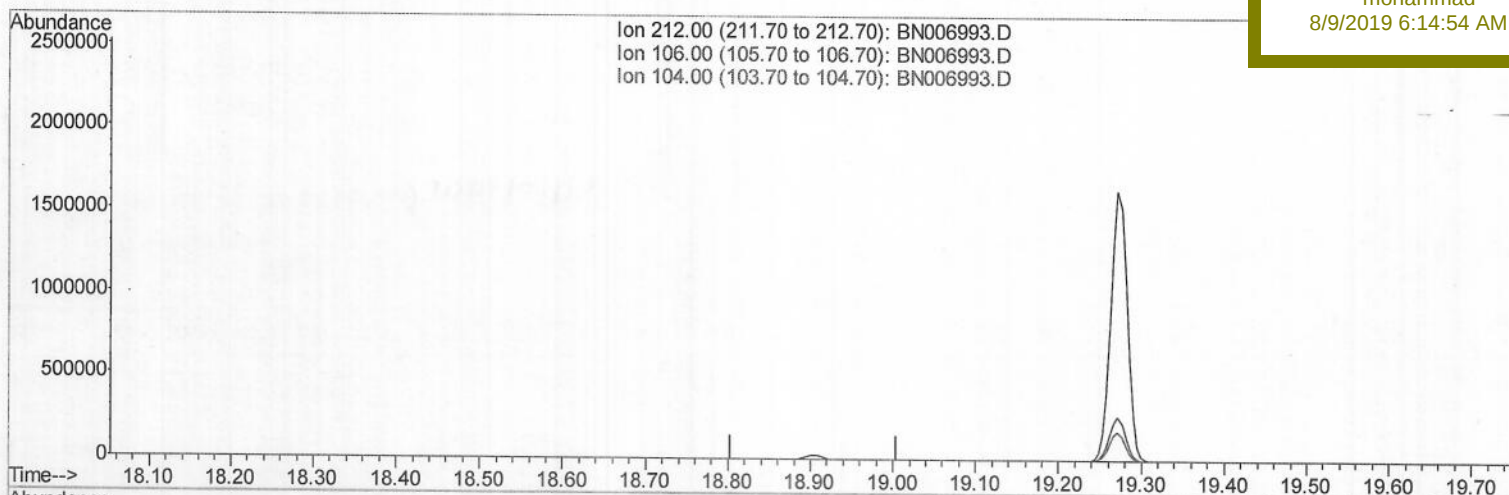
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

TIC: BN006993.D

(14) Fluoranthene-d10 (SURR)

18.904min (-18.904) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 0.00  |
| 106.00 | 12.80 | 0.00# |
| 104.00 | 7.10  | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

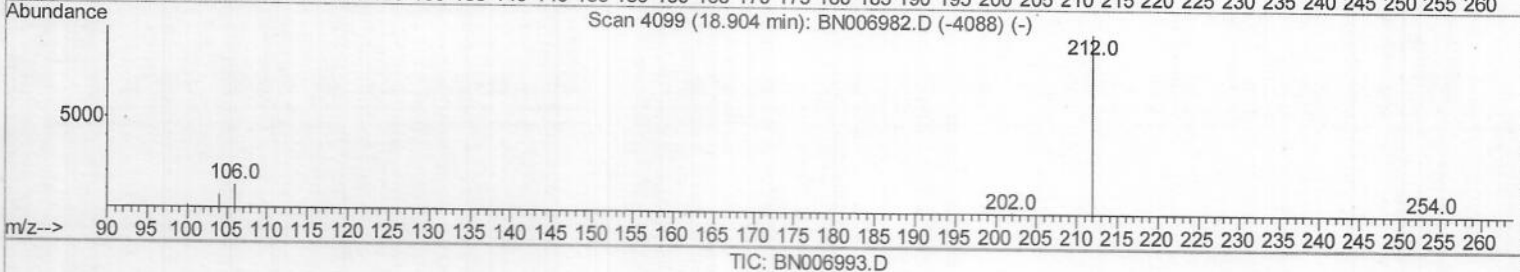
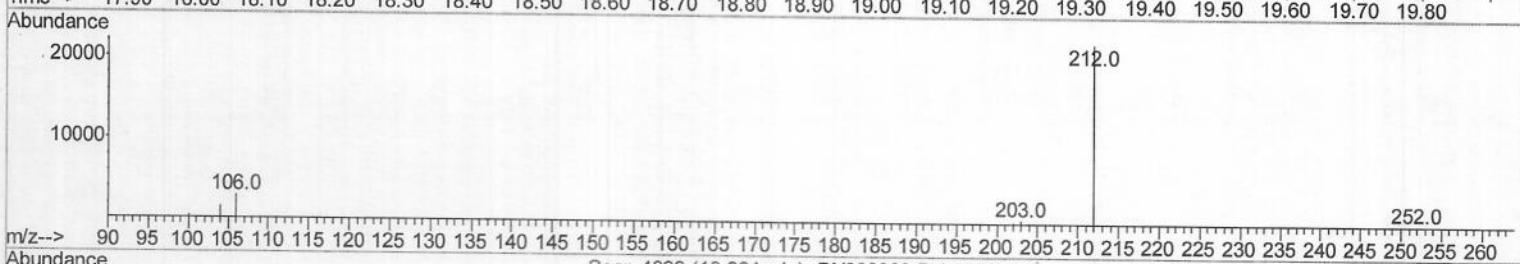
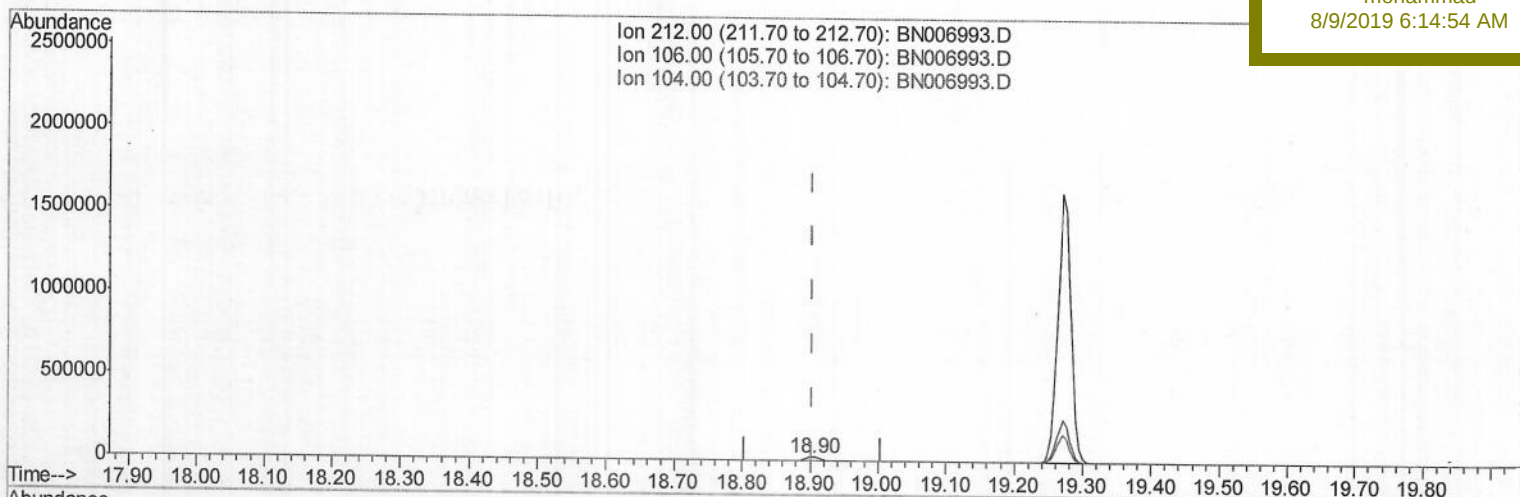
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

(14) Fluoranthene-d10 (SURR)

18.904min (-0.000) 0.22ng/ul m) JU

response 29441

08/08/19

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 12.80 | 0.00# |
| 104.00 | 7.10  | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

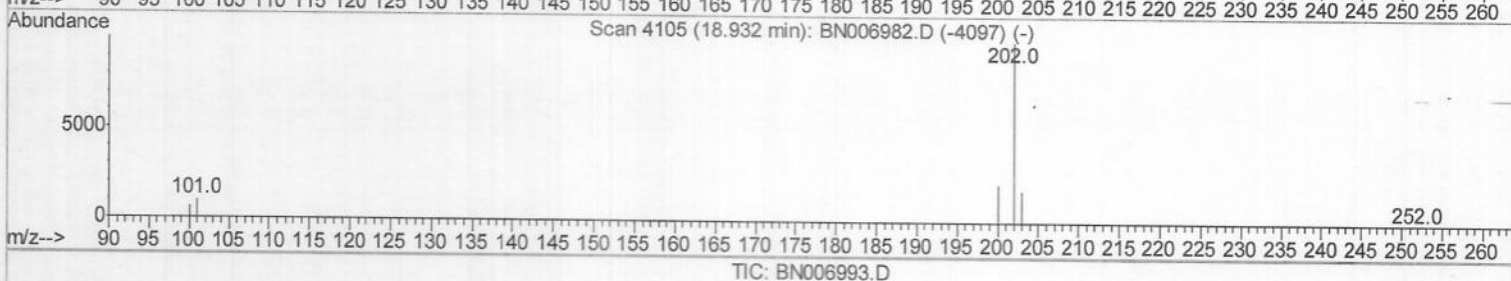
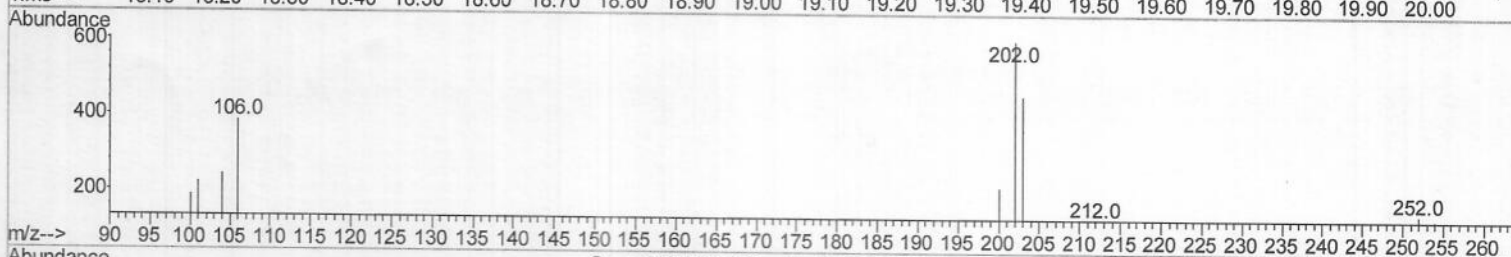
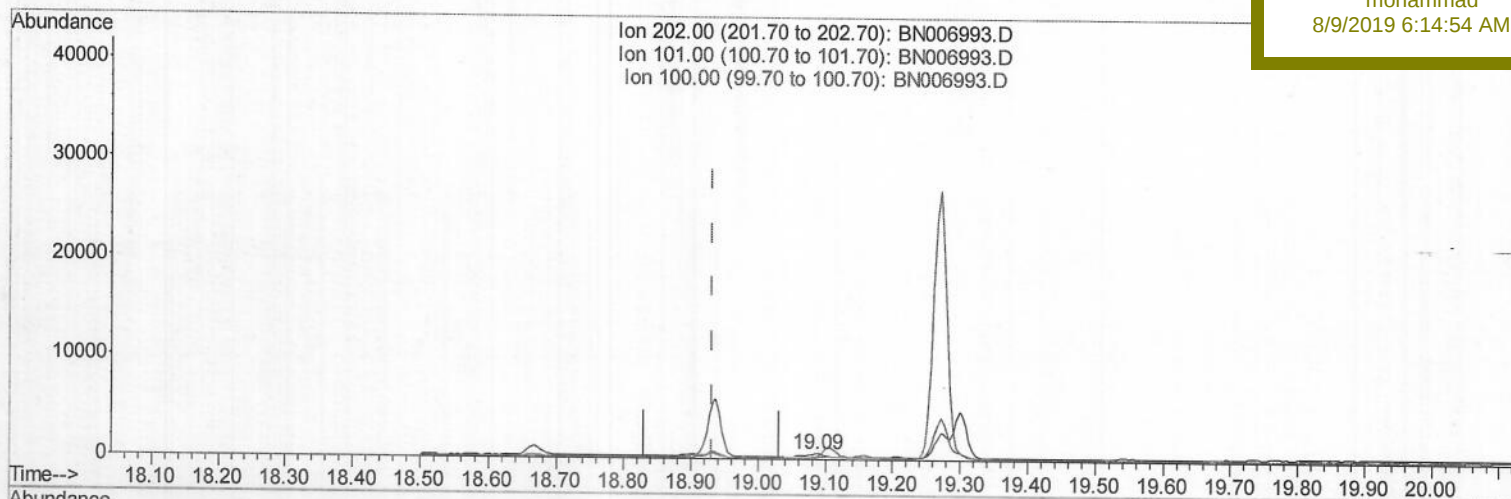
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

(15) Fluoranthene (C)

19.086min (+0.153) 0.00ng/ul

response 771

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.00 | 36.65# |
| 100.00 | 7.70  | 31.01# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

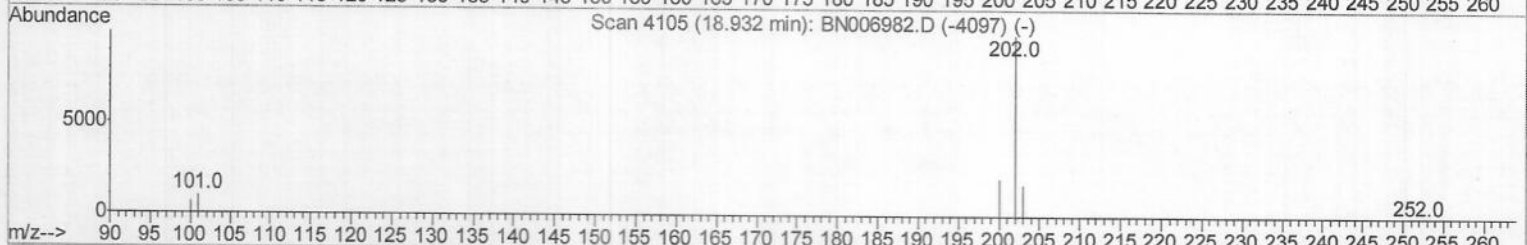
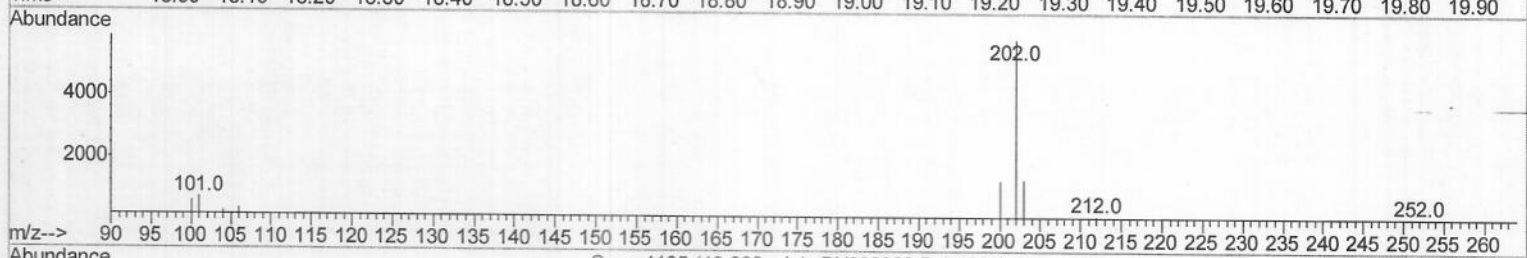
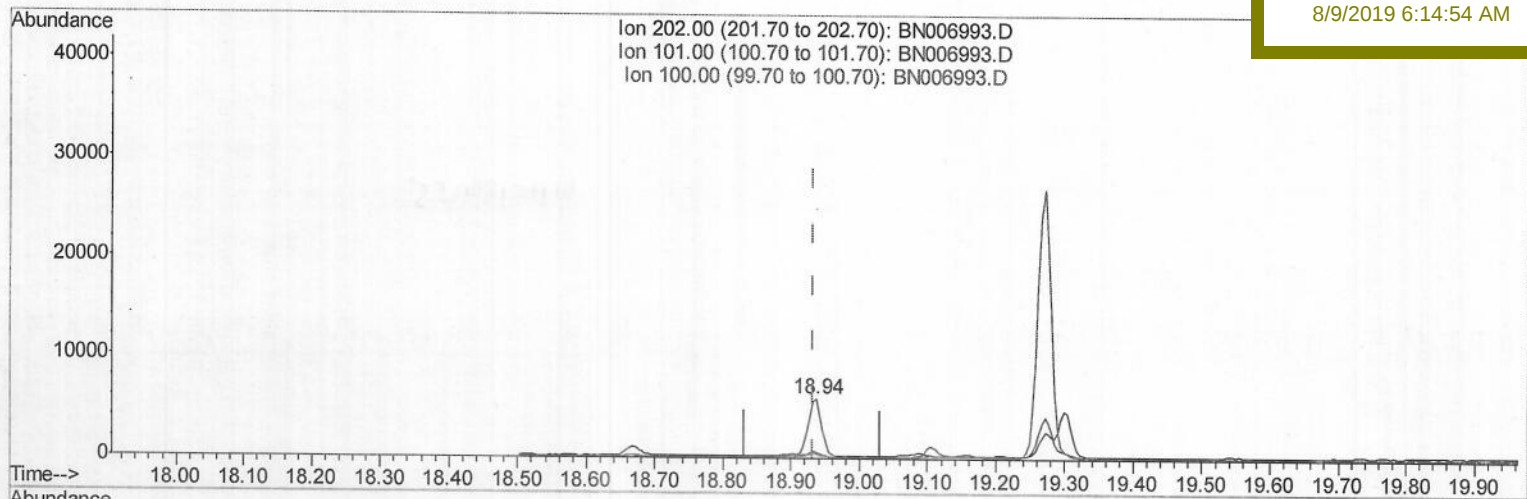
BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM



TIC: BN006993.D

(15) Fluoranthene (C)

18.937min (+0.005) 0.04ng/ul m) JU  
08/08/19

response 7520

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.00 | 11.13 |
| 100.00 | 7.70  | 9.16  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

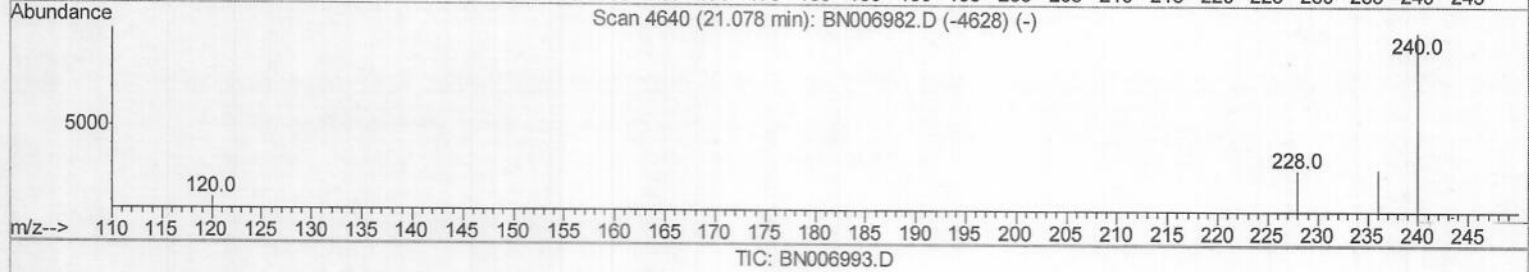
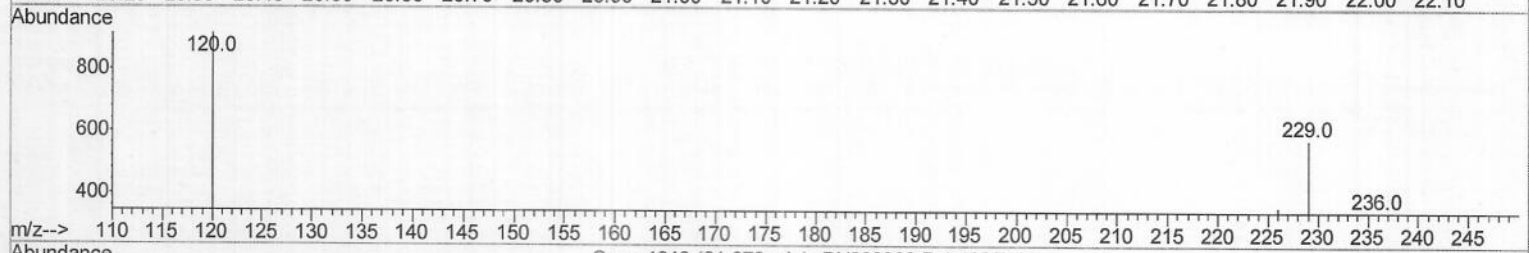
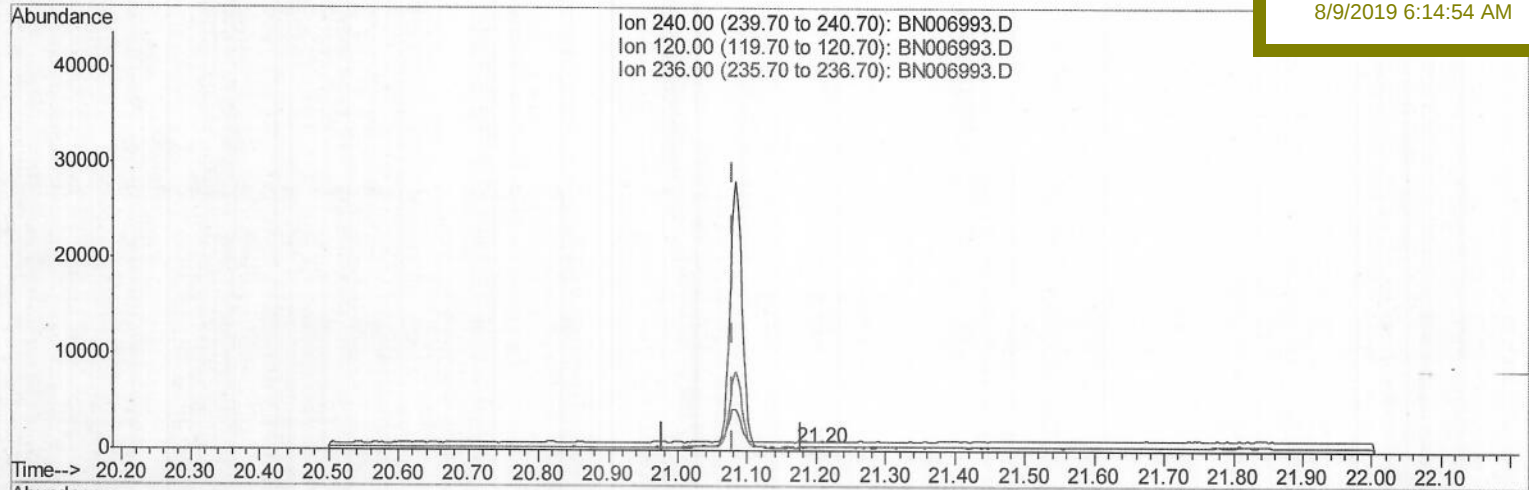
BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM



(16) Chrysene-d12 (I)

21.204min (+0.125) 0.40ng/ul

response 38

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 13.10 | 264.83# |
| 236.00 | 29.00 | 100.58# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:02:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

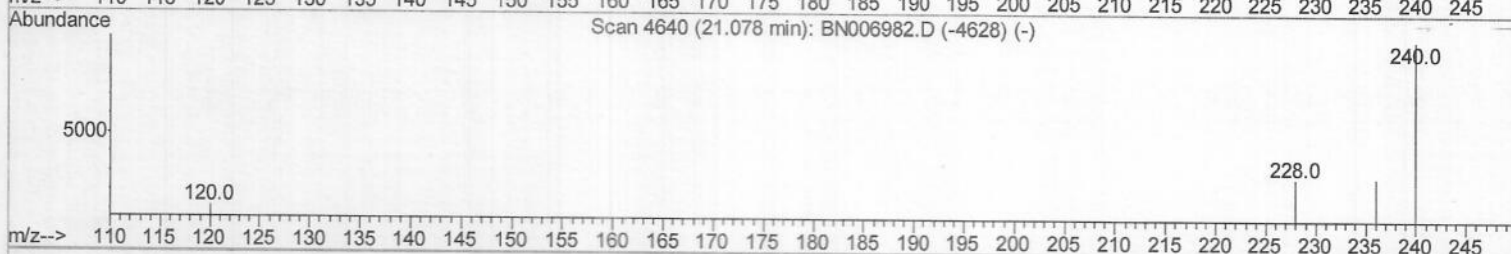
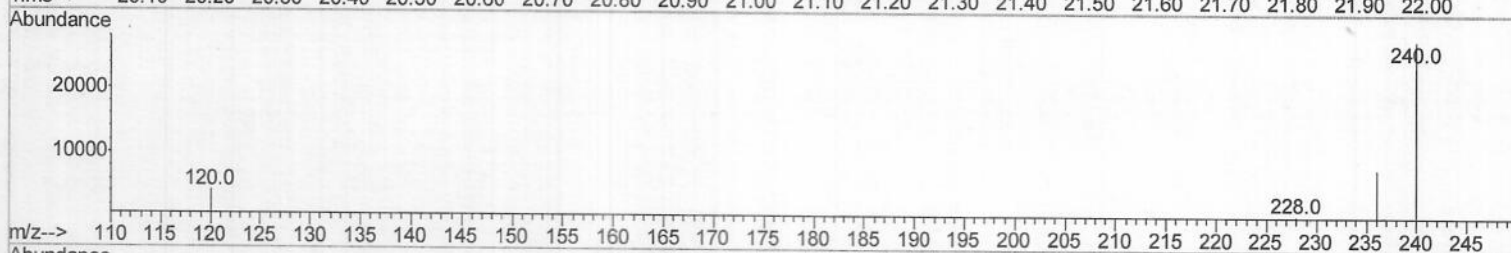
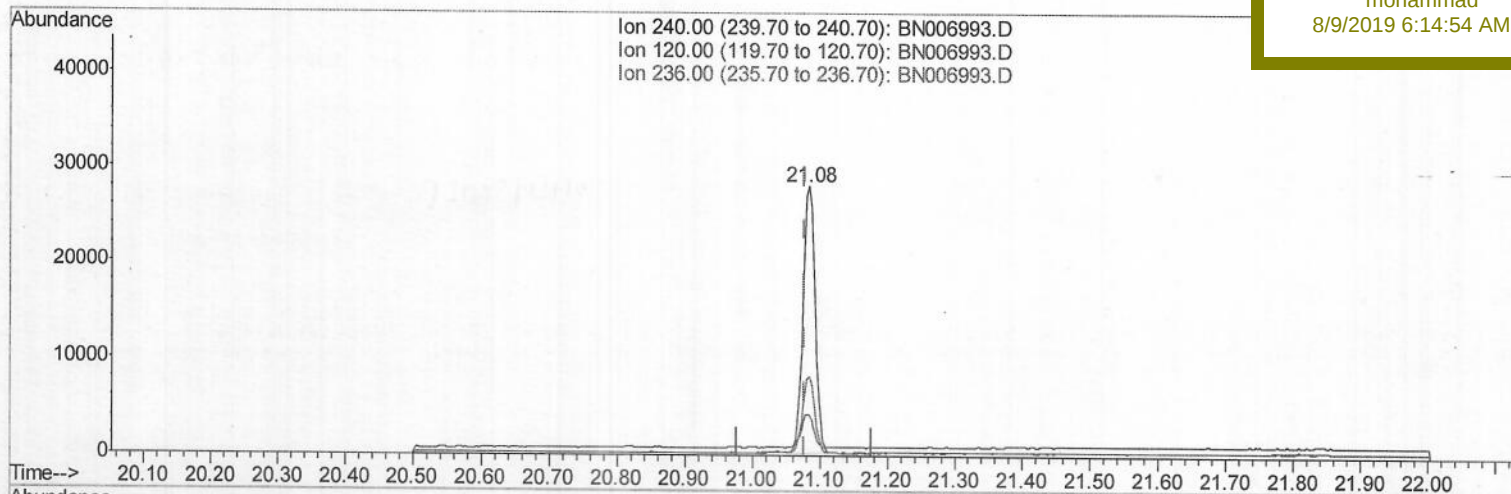
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

TIC: BN006993.D

(16) Chrysene-d12 (I)

21.084min (+0.006) 0.40ng/ul m) JU  
08/08/19

response 34629

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 13.10 | 14.97 |
| 236.00 | 29.00 | 29.16 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:05:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

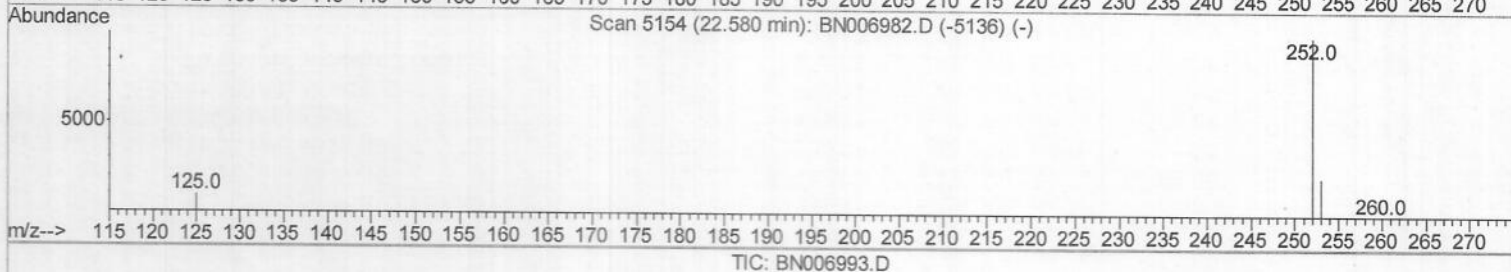
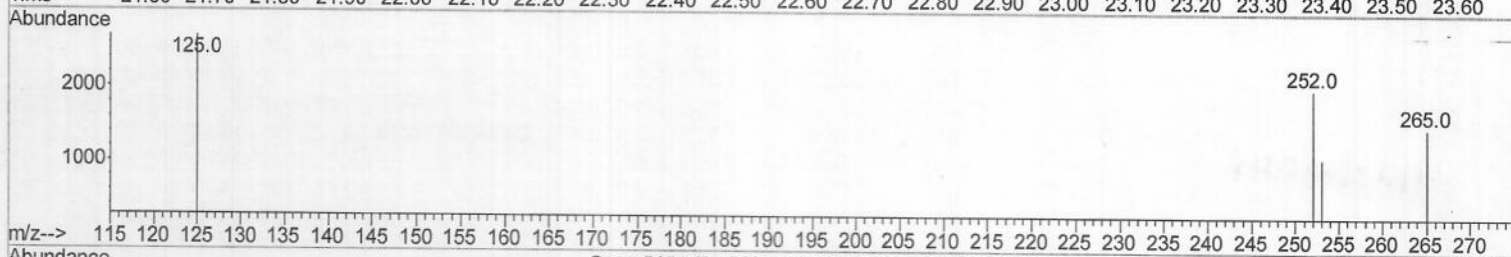
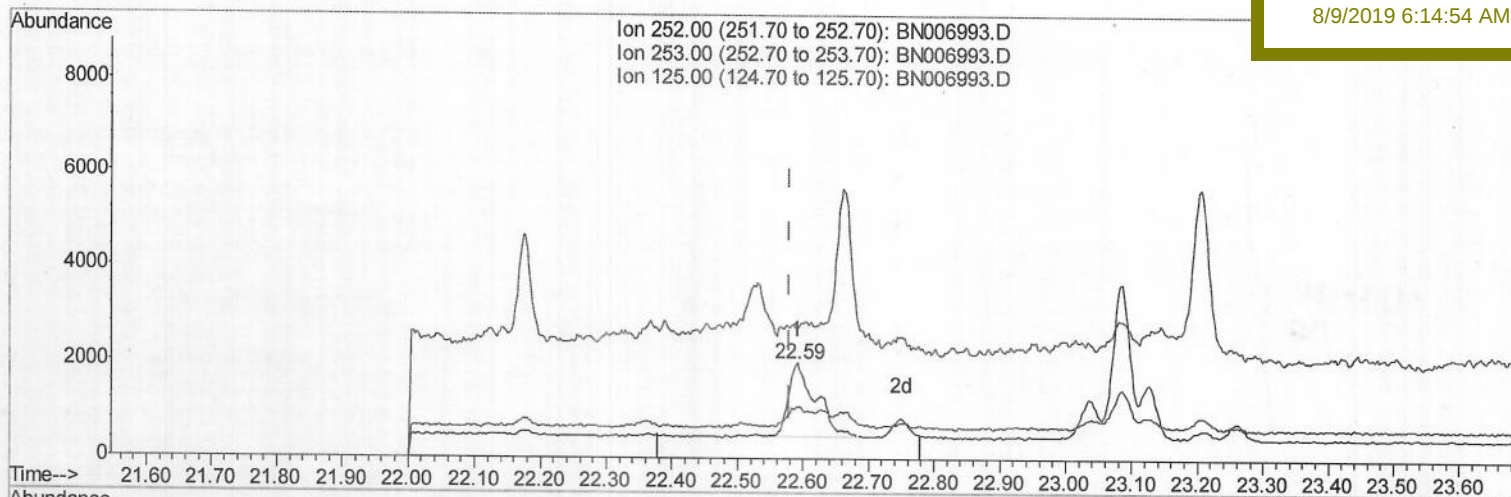
Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

BEP22

Manual Integrations  
APPROVEDmohammad  
8/9/2019 6:14:54 AM

(21) Benzo(b)fluoranthene

22.592min (+0.012) 0.04ng/ul

response 4408

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.60 | 53.72#  |
| 125.00 | 11.10 | 134.41# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:05:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

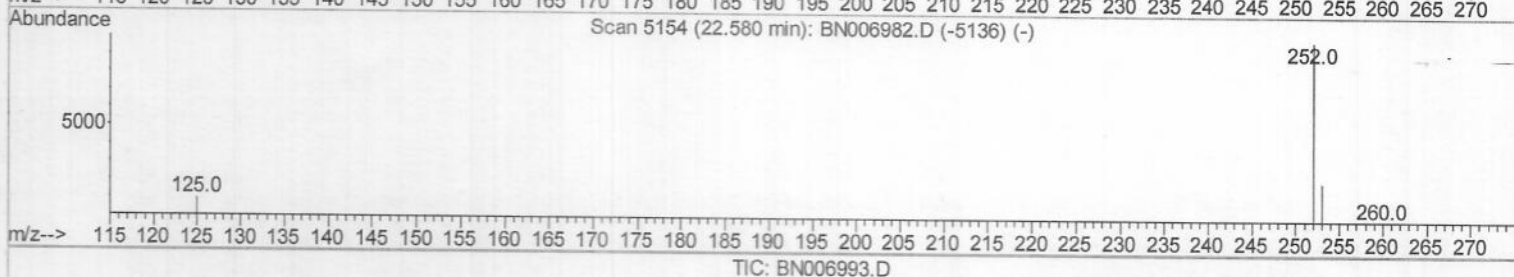
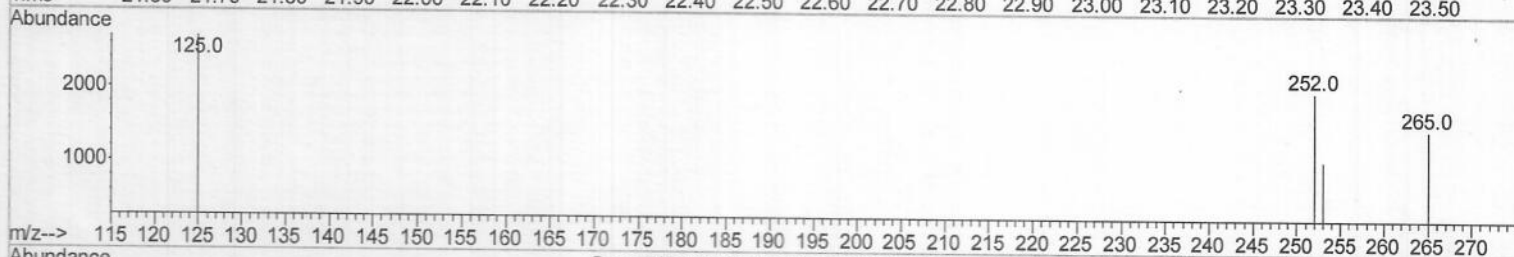
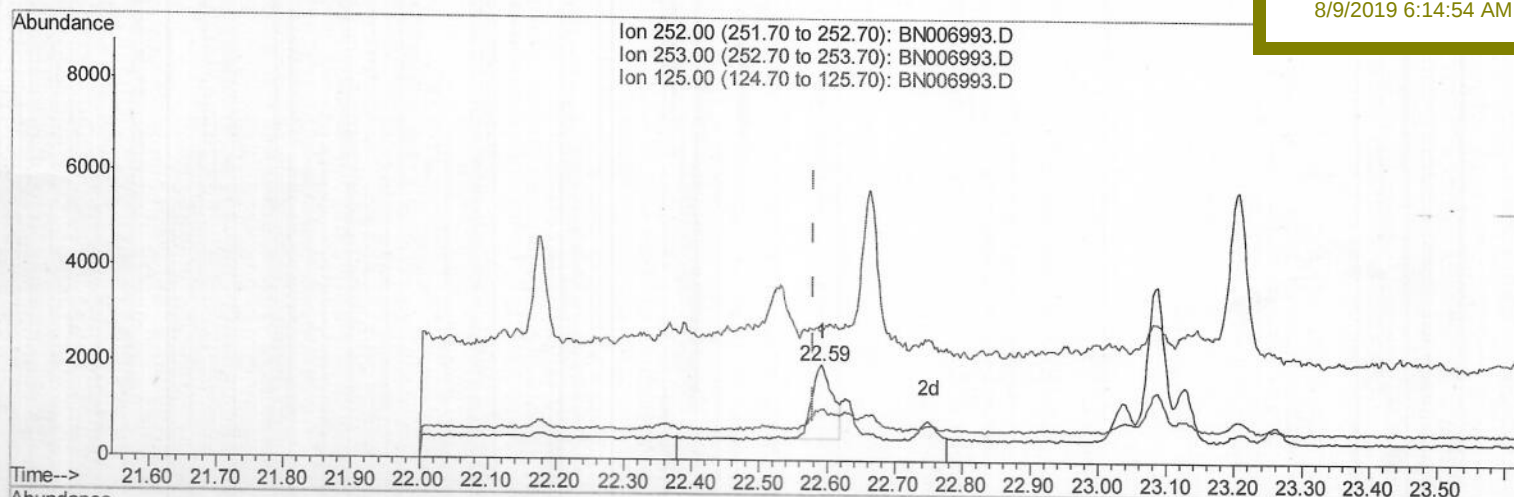
BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM



(21) Benzo(b)fluoranthene

22.592min (+0.012) 0.03ng/ul m) JU

response 3221

08/08/19

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.60 | 53.72#  |
| 125.00 | 11.10 | 134.41# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\

Data File : BN006993.D

Acq On : 07 Aug 2019 18:33

Operator : HP/JU

Sample : K3893-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 08 05:07:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 07 17:30:08 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

BEP22

Manual Integrations

APPROVED

mohammad

8/9/2019 6:14:54 AM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 6729     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.23 | 136  | 27510    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.12 | 164  | 17052    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.86 | 188  | 42404m)  | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.08 | 240  | 34629m)  | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.21 | 264  | 28908    | 0.40 | ng/ul | 0.00     |

## System Monitoring Compounds

|                            |       |     |         |      |       |      |
|----------------------------|-------|-----|---------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 11.83 | 152 | 10813   | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 18.90 | 212 | 29441m) | 0.22 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       |        |        |
|--------------------------|-------|-----|--------|-------|--------|--------|
| 12) Phenanthrene         | 16.90 | 178 | 4086m) | 0.030 | ng/ul  | Ovalue |
| 15) Fluoranthene         | 18.94 | 202 | 7520m) | 0.045 | ng/ul  |        |
| 17) Pvrene               | 19.30 | 202 | 5788   | 0.037 | ng/ul# |        |
| 21) Benzo(b)fluoranthene | 22.59 | 252 | 3221m) | 0.027 | ng/ul  |        |

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