

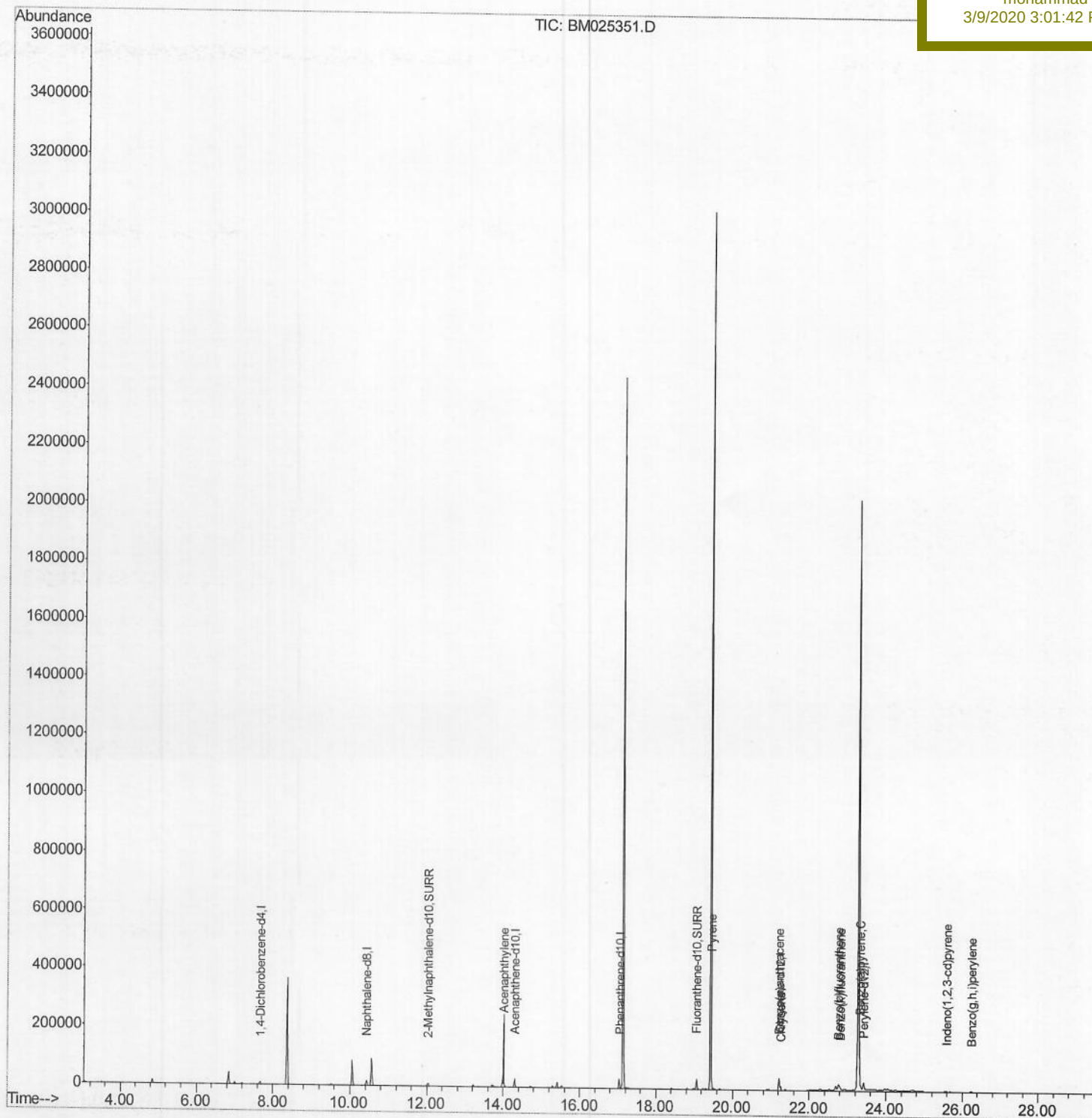
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
Data File : BM025351.D  
Acq On : 07 Mar 2020 15:52  
Operator : CG/JU  
Sample : L1616-01  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:43:25 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 07 20:27:15 2020  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
DBDP7

Manual Integrations  
APPROVED

mohammad  
3/9/2020 3:01:42 PM



# Quantitation Report (Qedit)

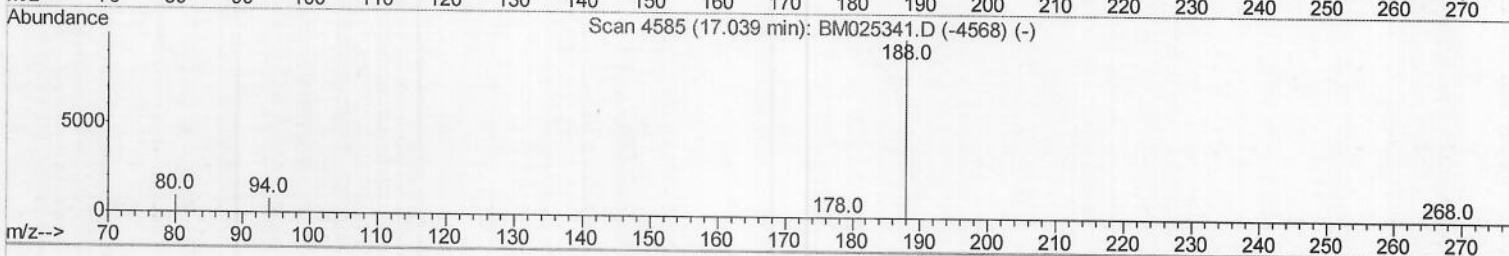
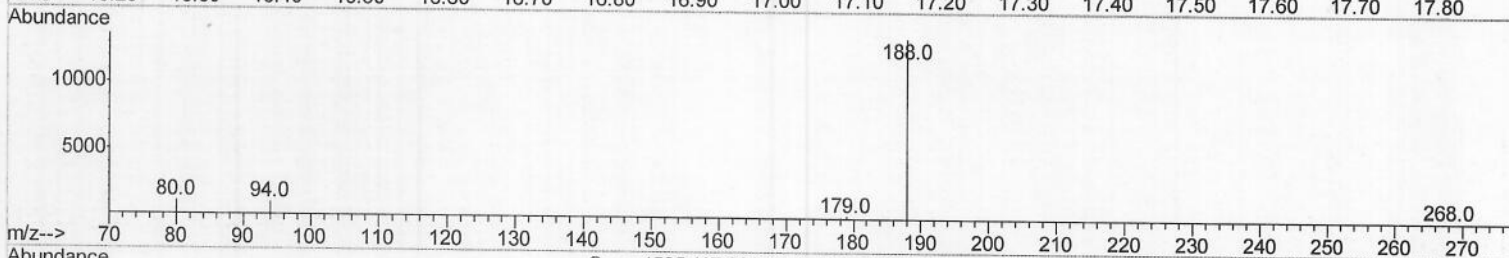
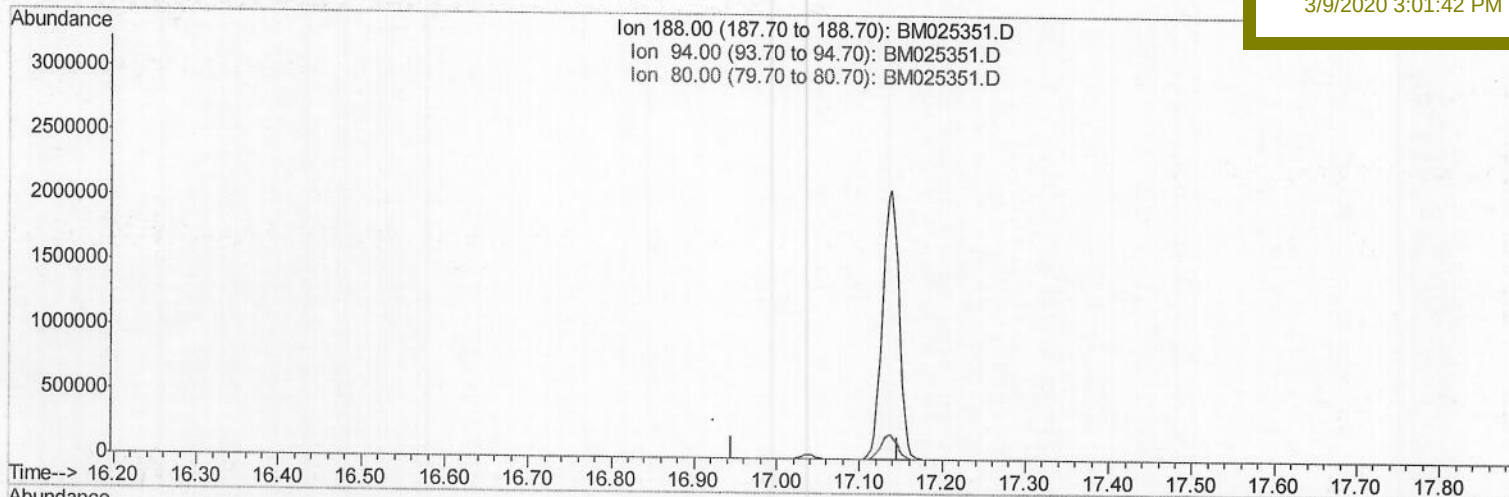
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
 Data File : BM025351.D  
 Acq On : 07 Mar 2020 15:52  
 Operator : CG/JU  
 Sample : L1616-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 DBDP7

Quant Time: Mar 07 20:41:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 07 20:27:15 2020  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**

mohammad  
 3/9/2020 3:01:42 PM



(10) Phenanthrene-d10 (I)  
 17.046min (-17.046) 0.00ng/ul  
 response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 26.60 | 0.00# |
| 80.00  | 22.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\

Data File : BM025351.D

Acq On : 07 Mar 2020 15:52

Operator : CG/JU

Sample : L1616-01

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:14 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 07 20:27:15 2020

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

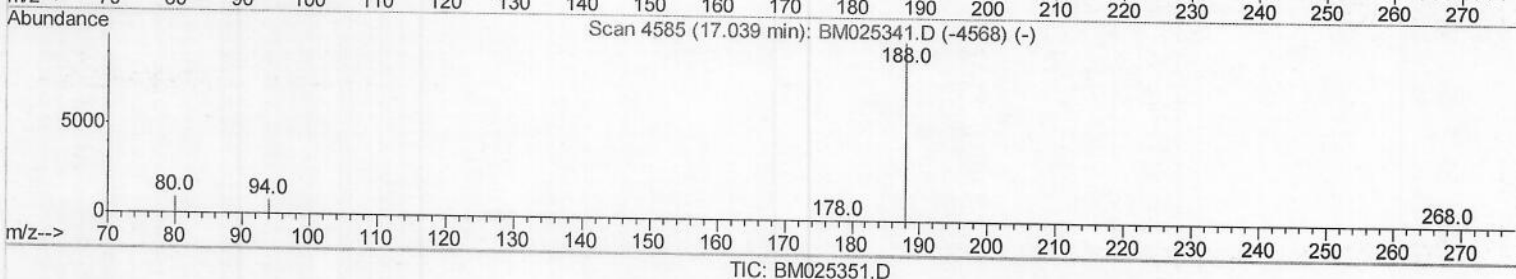
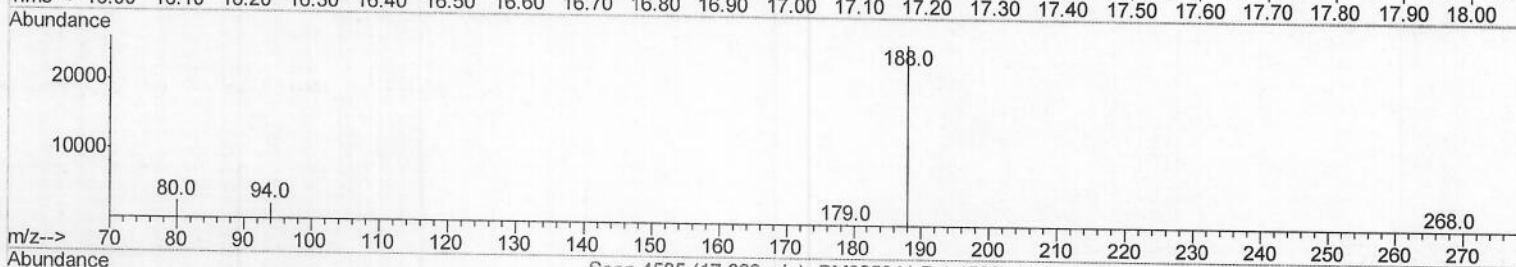
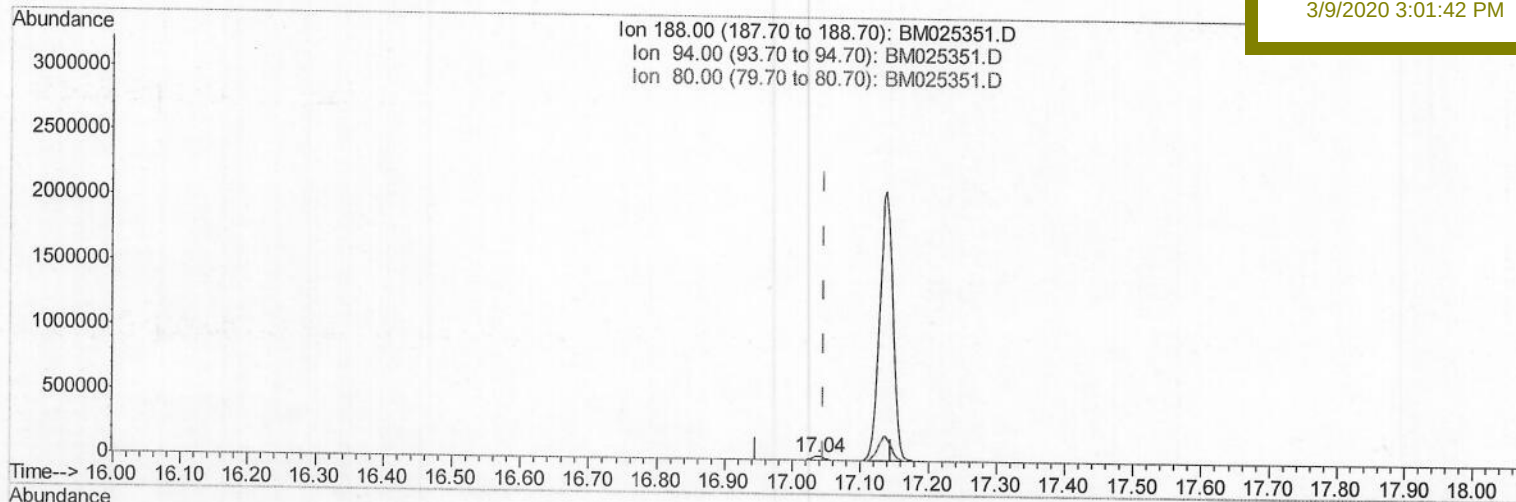
DBDP7

Manual Integrations

APPROVED

mohammad

3/9/2020 3:01:42 PM



TIC: BM025351.D

(10) Phenanthrene-d10 (I)

17.038min (-0.009) 0.40ng/ul m> JV 03/11/20

response 35688

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 26.60 | 8.44# |
| 80.00  | 22.60 | 9.65# |
| 0.00   | 0.00  | 0.00  |



## Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\

Data File : BM025351.D

Acq On : 07 Mar 2020 15:52

Operator : CG/JU

Sample : L1616-01

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 07 20:27:15 2020

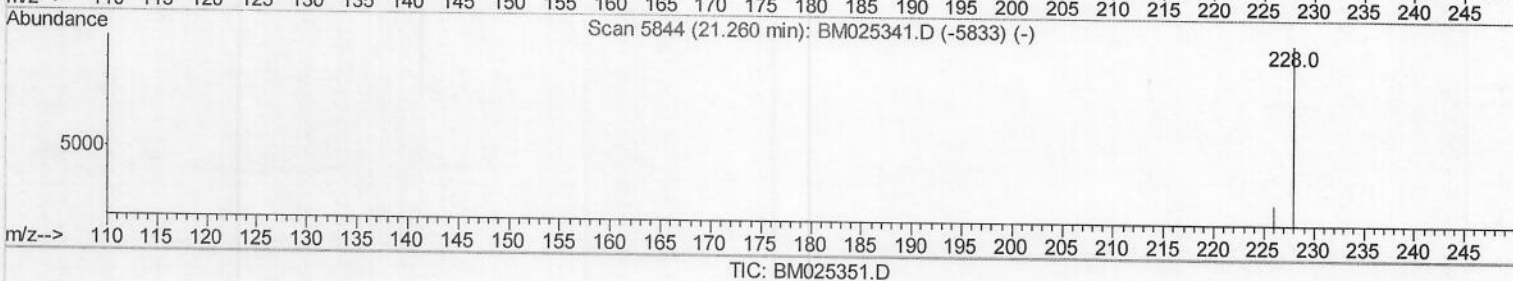
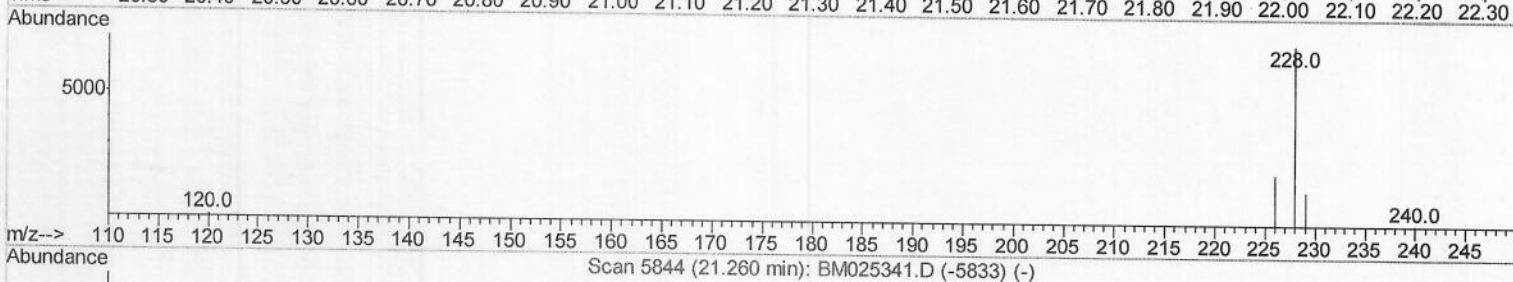
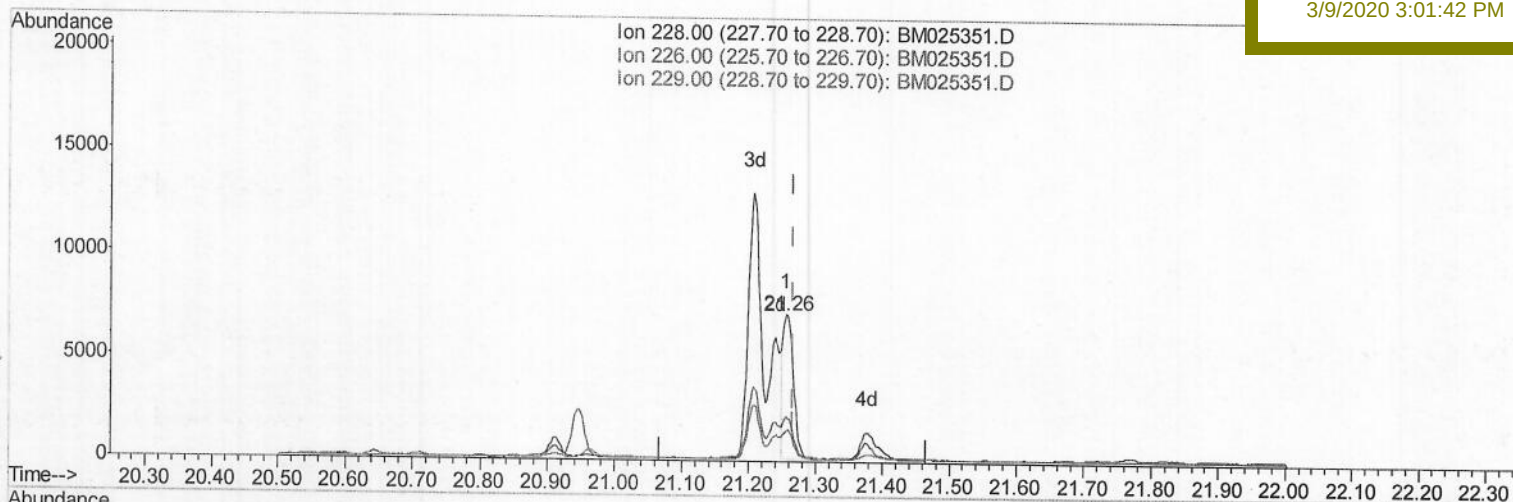
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DBDP7

Manual Integrations  
APPROVEDmohammad  
3/9/2020 3:01:42 PM

(19) Chrysene

21.256min (-0.011) 0.06ng/ul

response 7675

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.80 | 30.50 |
| 229.00 | 21.10 | 20.86 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\

Data File : BM025351.D

Acq On : 07 Mar 2020 15:52

Operator : CG/JU

Sample : L1616-01

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 07 20:27:15 2020

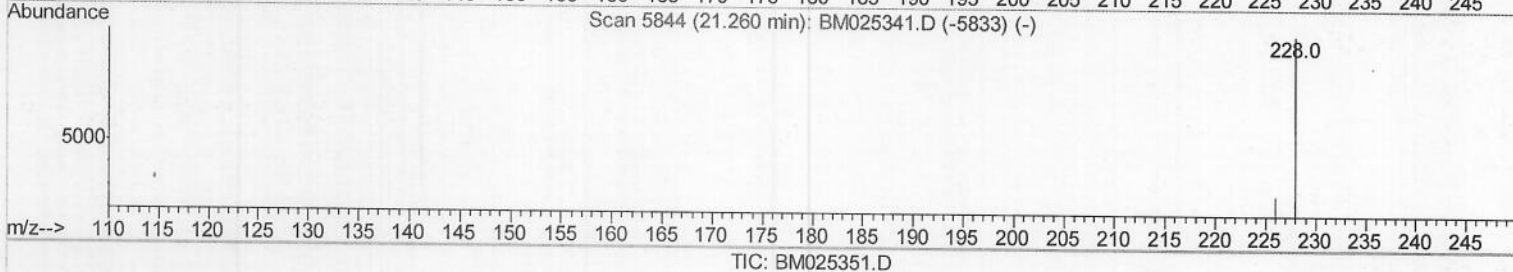
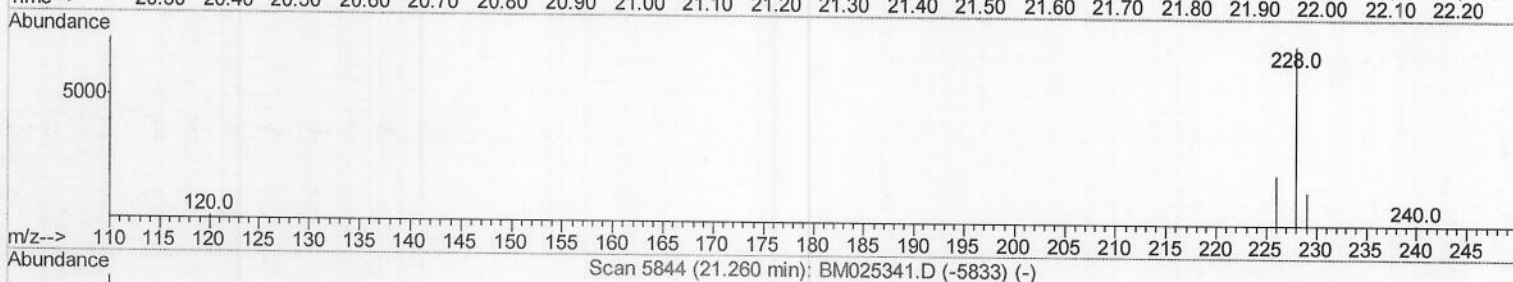
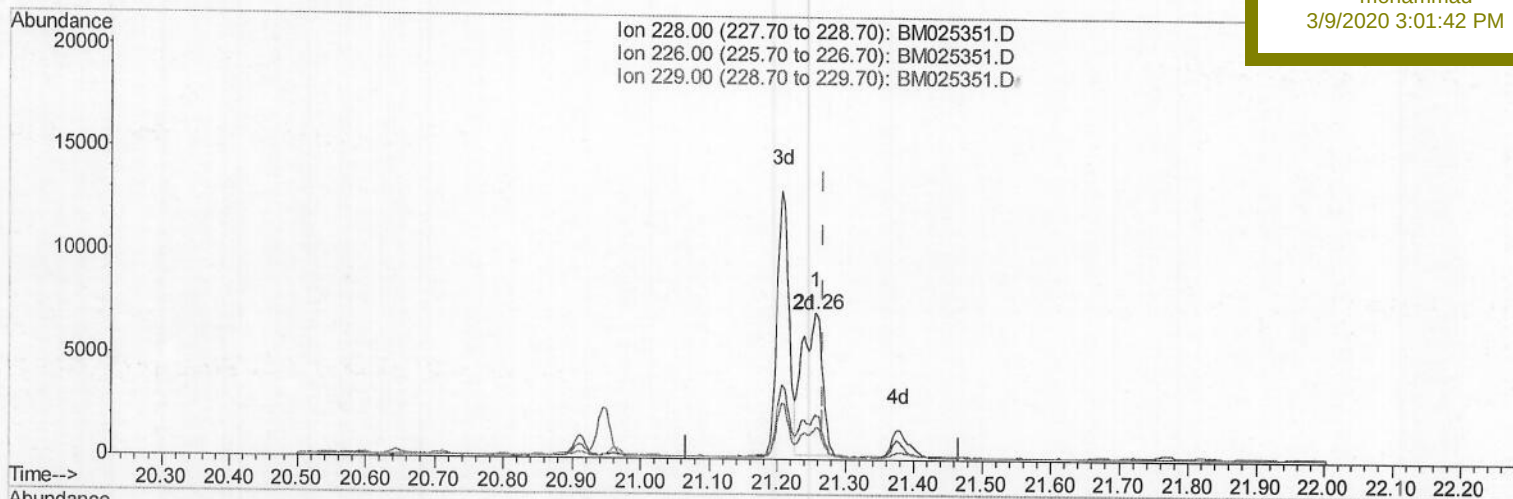
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DBDP7

Manual Integrations  
APPROVEDmohammad  
3/9/2020 3:01:42 PM

(19) Chrysene

21.256min (-0.011) 0.11ng/ul m&gt; JV 03/11/20

response 14270

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.80 | 30.50 |
| 229.00 | 21.10 | 20.86 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\

Data File : BM025351.D

Acq On : 07 Mar 2020 15:52

Operator : CG/JU

Sample : L1616-01

Misc :

ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 07 20:27:15 2020

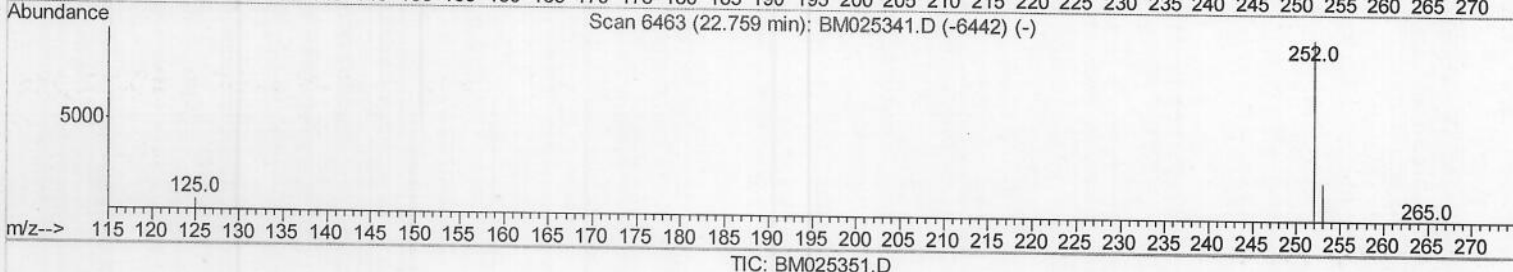
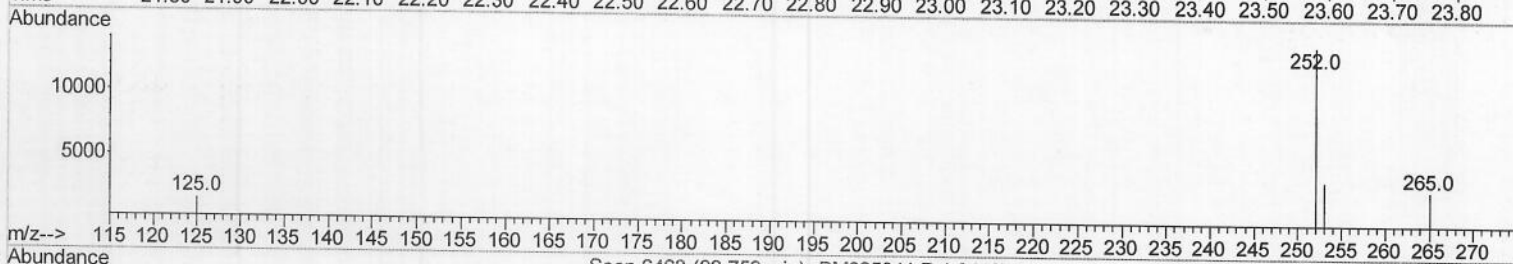
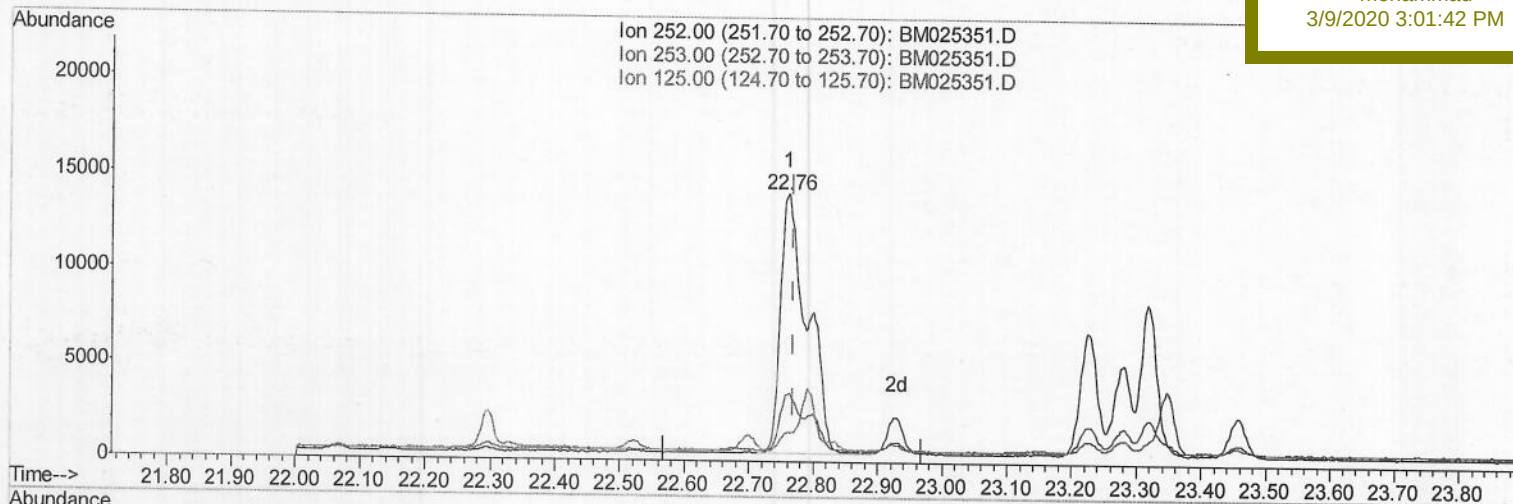
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DBDP7

Manual Integrations  
APPROVEDmohammad  
3/9/2020 3:01:42 PM

(21) Benzo(b)fluoranthene

22.762min (-0.007) 0.34ng/ul

response 39548

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.90 | 25.39 |
| 125.00 | 14.30 | 11.07 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

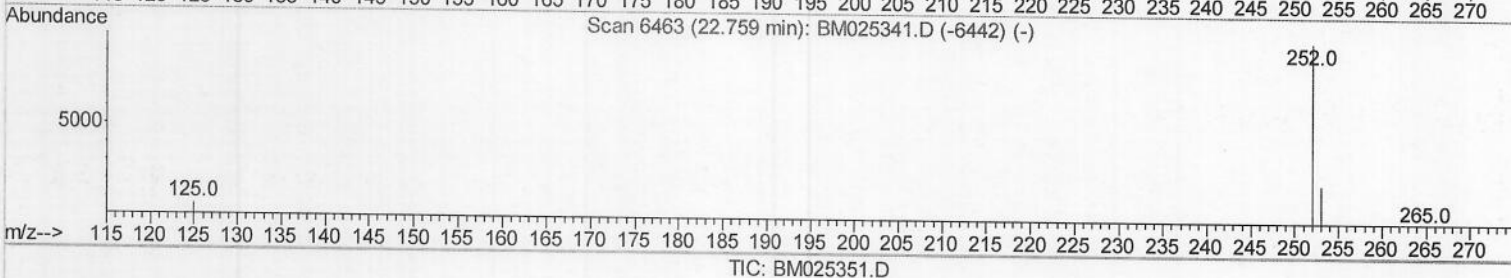
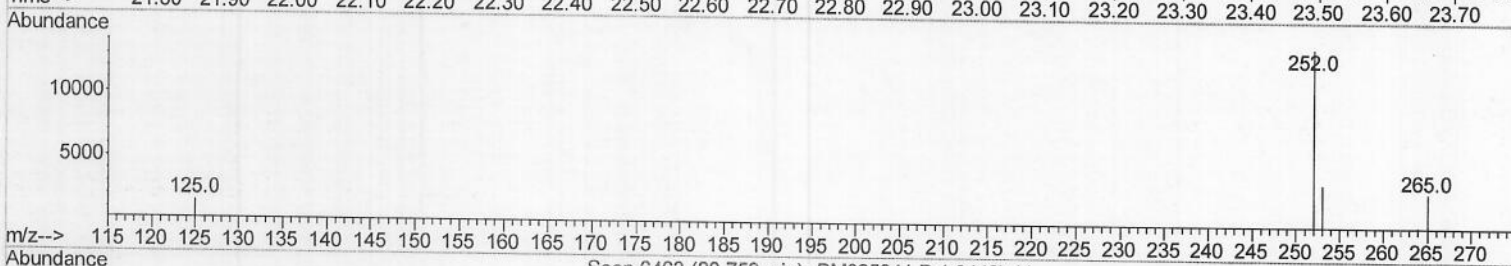
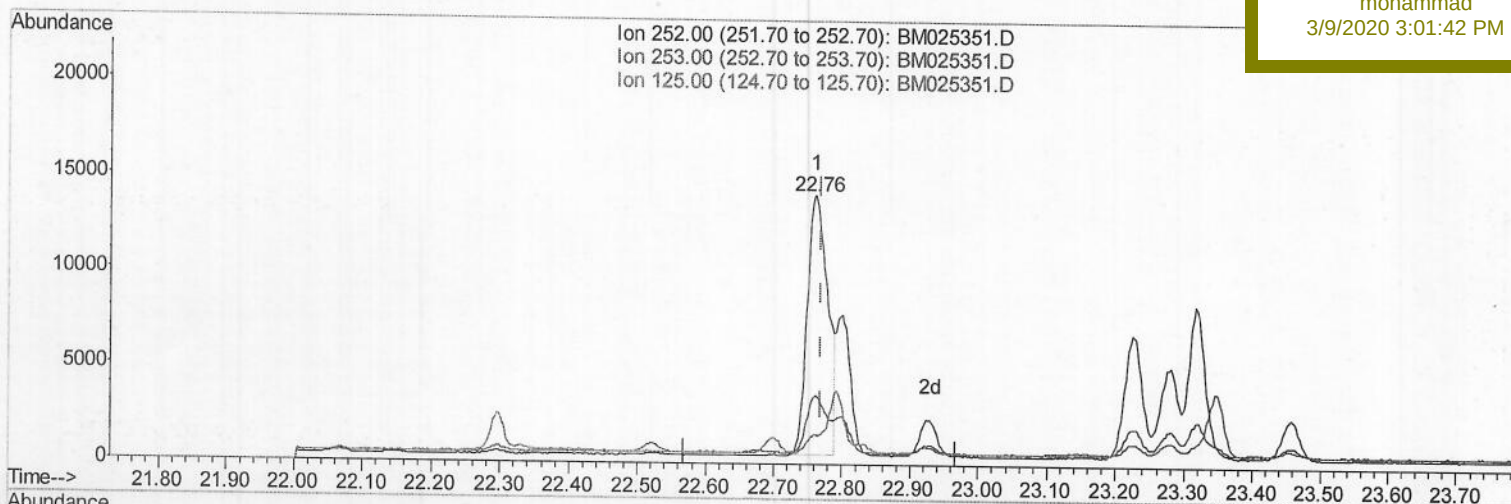
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
 Data File : BM025351.D  
 Acq On : 07 Mar 2020 15:52  
 Operator : CG/JU  
 Sample : L1616-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 07 20:27:15 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDP7

Manual Integrations  
 APPROVED

mohammad  
 3/9/2020 3:01:42 PM



(21) Benzo(b)fluoranthene

22.762min (-0.007) 0.24ng/ul m> 0V 03111120

response 28234

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.90 | 25.39 |
| 125.00 | 14.30 | 11.07 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

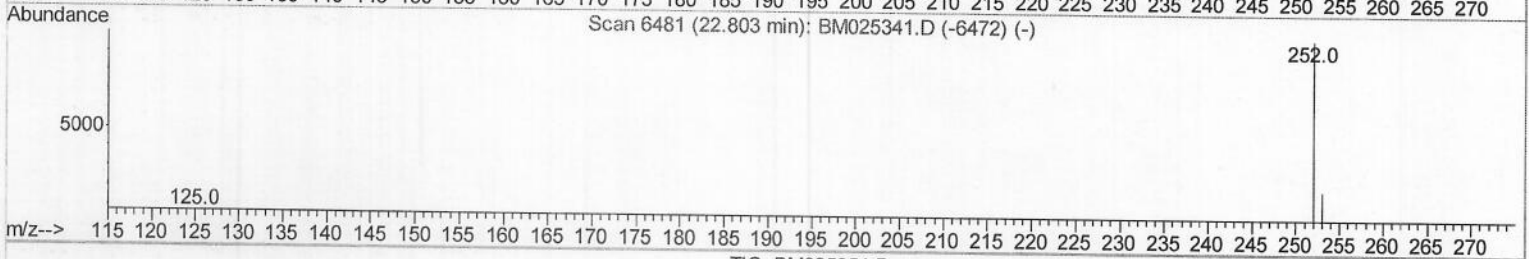
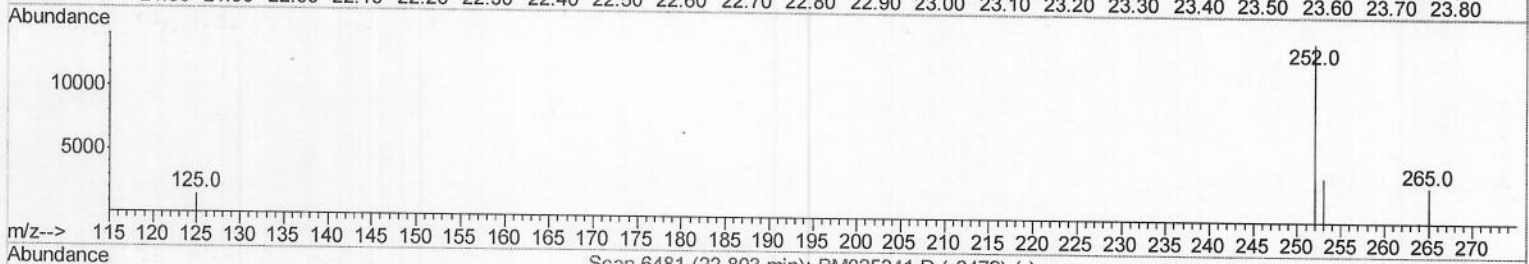
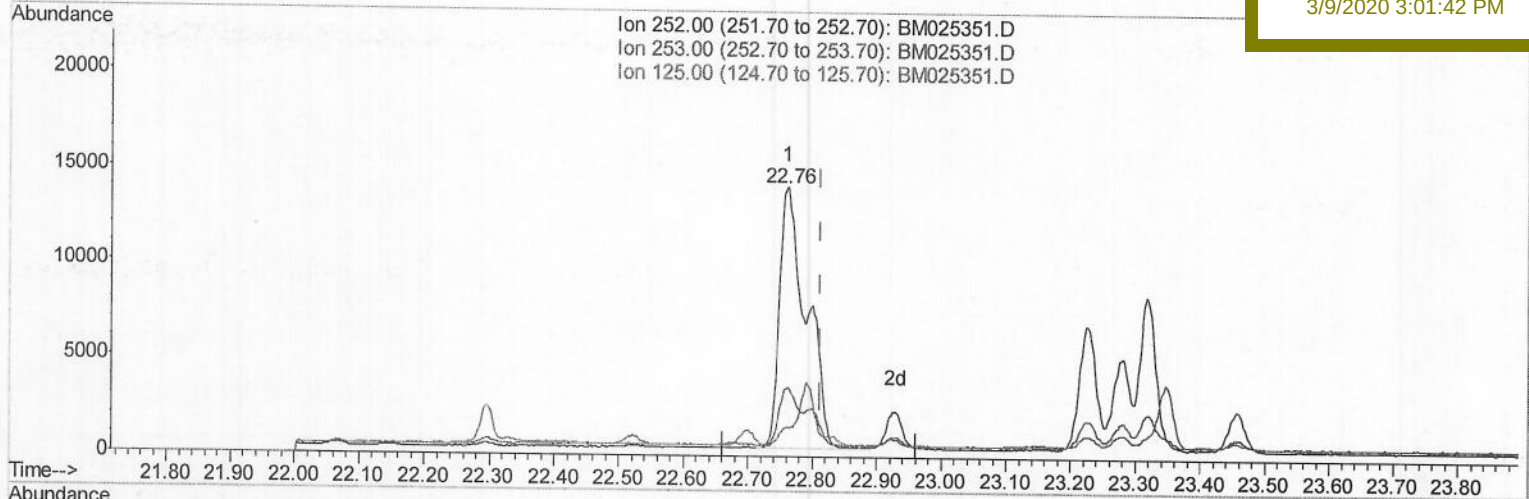
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
 Data File : BM025351.D  
 Acq On : 07 Mar 2020 15:52  
 Operator : CG/JU  
 Sample : L1616-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 07 20:27:15 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDP7

Manual Integrations  
 APPROVED

mohammad  
 3/9/2020 3:01:42 PM



TIC: BM025351.D

(22) Benzo(k)fluoranthene  
 22.762min (-0.050) 0.32ng/ul  
 response 39548  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.20 | 25.39 |
| 125.00 | 13.40 | 11.07 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

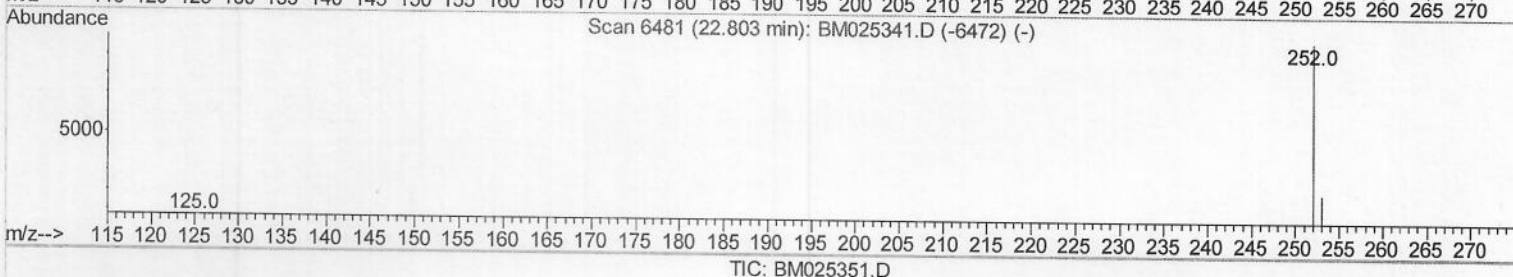
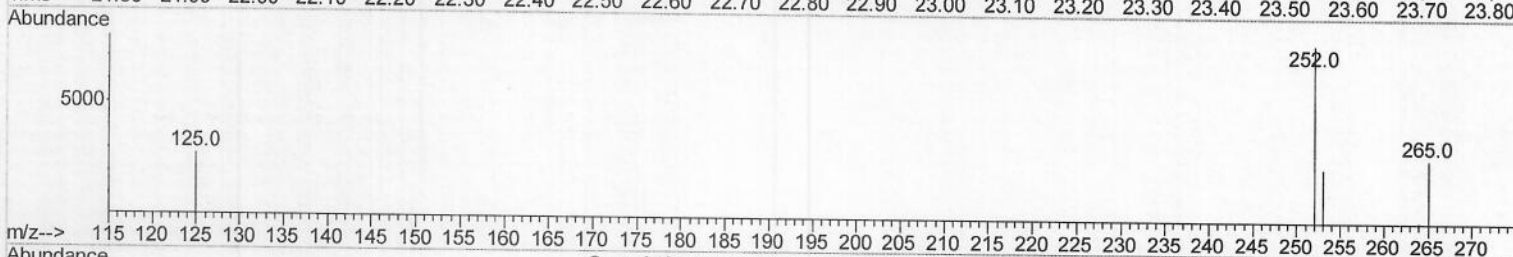
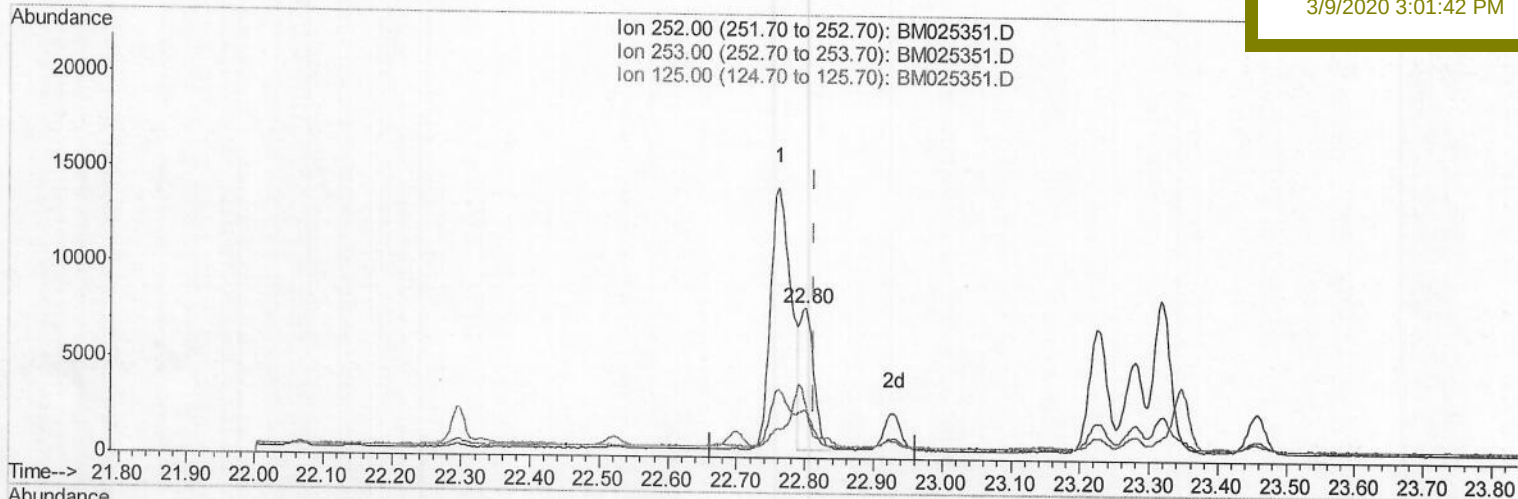
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
 Data File : BM025351.D  
 Acq On : 07 Mar 2020 15:52  
 Operator : CG/JU  
 Sample : L1616-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:41:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 07 20:27:15 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDP7

Manual Integrations  
 APPROVED

mohammad  
 3/9/2020 3:01:42 PM



(22) Benzo(k)fluoranthene

22.801min (-0.011) 0.09ng/ul m ) JU 03/11/20

response 10764

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.20 | 31.28# |
| 125.00 | 13.40 | 35.50# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM030620\  
 Data File : BM025351.D  
 Acq On : 07 Mar 2020 15:52  
 Operator : CG/JU  
 Sample : L1616-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 07 20:43:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 07 20:27:15 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDP7

Manual Integrations  
 APPROVED

mohammad  
 3/9/2020 3:01:42 PM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 4651     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.43 | 136  | 21074    | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.30 | 164  | 15526    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.04 | 188  | 35688m>  | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.22 | 240  | 33095    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.41 | 264  | 29214    | 0.40 | ng/ul | -0.01    |

## System Monitoring Compounds

|                            |       |     |       |      |       |       |
|----------------------------|-------|-----|-------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 12.03 | 152 | 13549 | 0.34 | ng/ul | -0.01 |
| 14) Fluoranthene-d10       | 19.07 | 212 | 38682 | 0.33 | ng/ul | 0.00  |

## Target Compounds

|                            |       |     |         |       |        | Ovalue        |
|----------------------------|-------|-----|---------|-------|--------|---------------|
| 7) Acenaphthylene          | 14.02 | 152 | 1680    | 0.023 | ng/ul# | 92            |
| 17) Pyrene                 | 19.46 | 202 | 11809   | 0.094 | ng/ul  | 98            |
| 18) Benzo(a)anthracene     | 21.21 | 228 | 16173   | 0.133 | ng/ul  | 100           |
| 19) Chrysene               | 21.26 | 228 | 14270m} | 0.107 | ng/ul  | } 00 03/11/20 |
| 21) Benzo(b)fluoranthene   | 22.76 | 252 | 28234m> | 0.242 | ng/ul  |               |
| 22) Benzo(k)fluoranthene   | 22.80 | 252 | 10764m> | 0.088 | ng/ul  |               |
| 23) Benzo(a)pyrene         | 23.32 | 252 | 13564   | 0.138 | ng/ul  | 95            |
| 24) Indeno(1,2,3-cd)pyrene | 25.58 | 276 | 5486    | 0.045 | ng/ul# | 100           |
| 26) Benzo(g,h,i)perylene   | 26.25 | 276 | 4125    | 0.040 | ng/ul  | 94            |

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