

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025376.D  
Acq On : 08 Mar 2020 09:01  
Operator : CG/JU  
Sample : L1616-16  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:47:32 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 : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

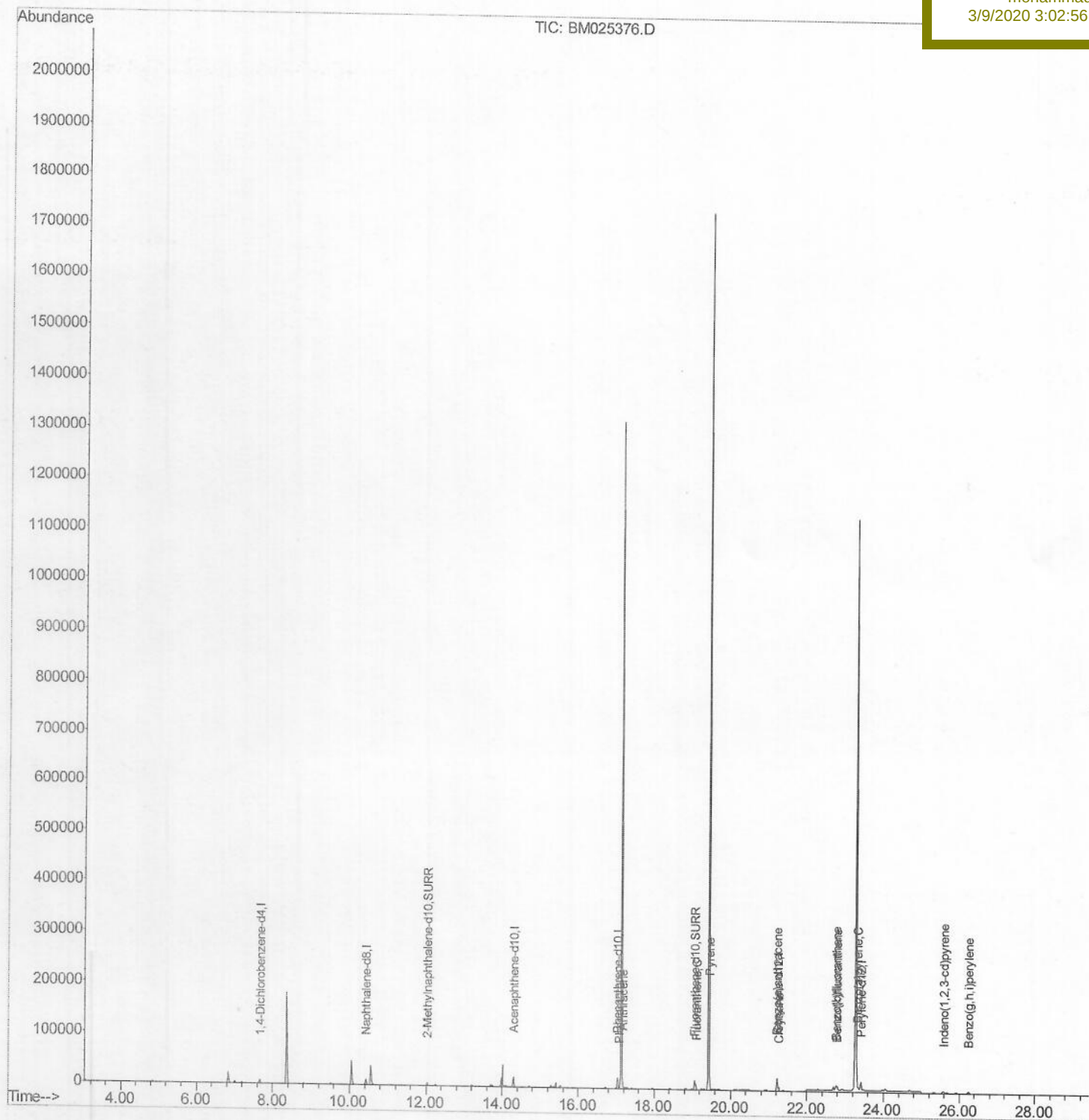
DBDR0

Manual Integrations

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# Quantitation Report (Qedit)

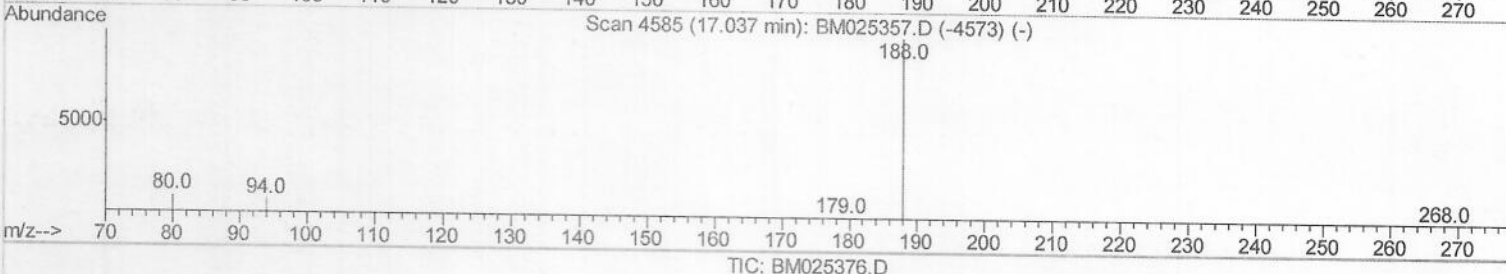
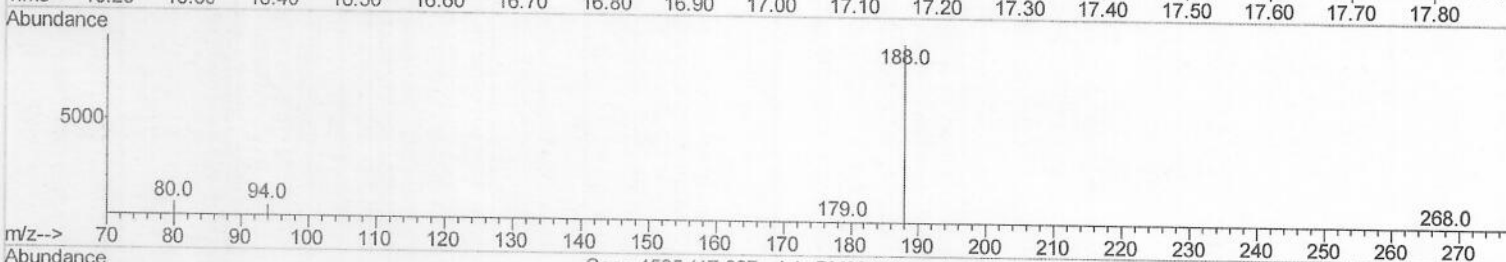
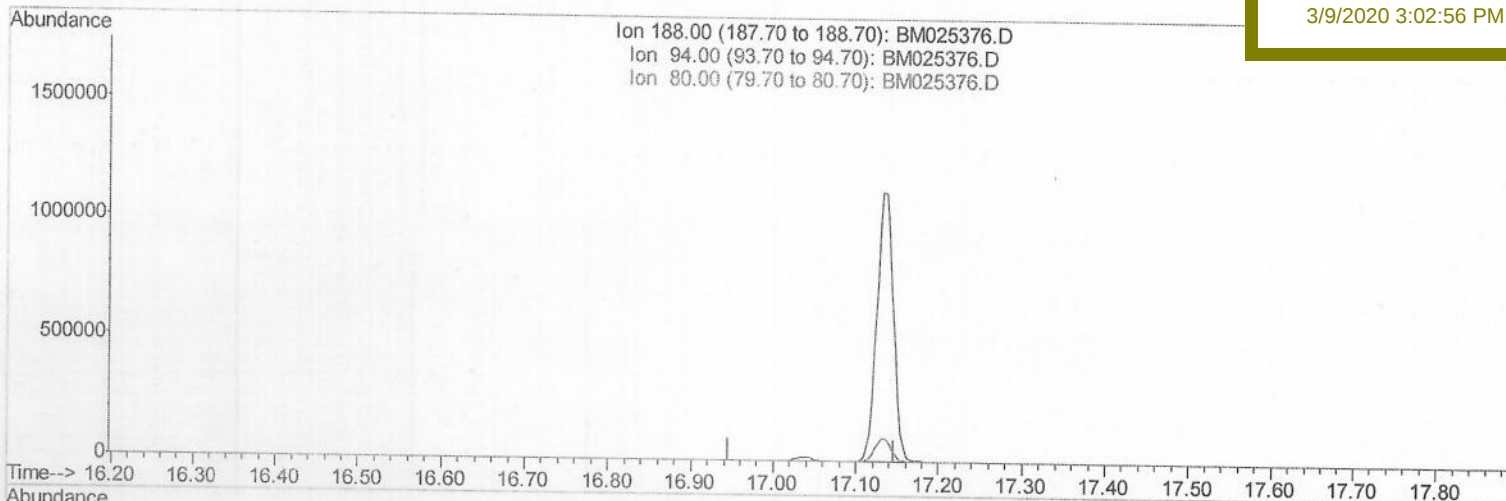
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025376.D  
 Acq On : 08 Mar 2020 09:01  
 Operator : CG/JU  
 Sample : L1616-16  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:14:49 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 : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDR0

Manual Integrations  
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(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)

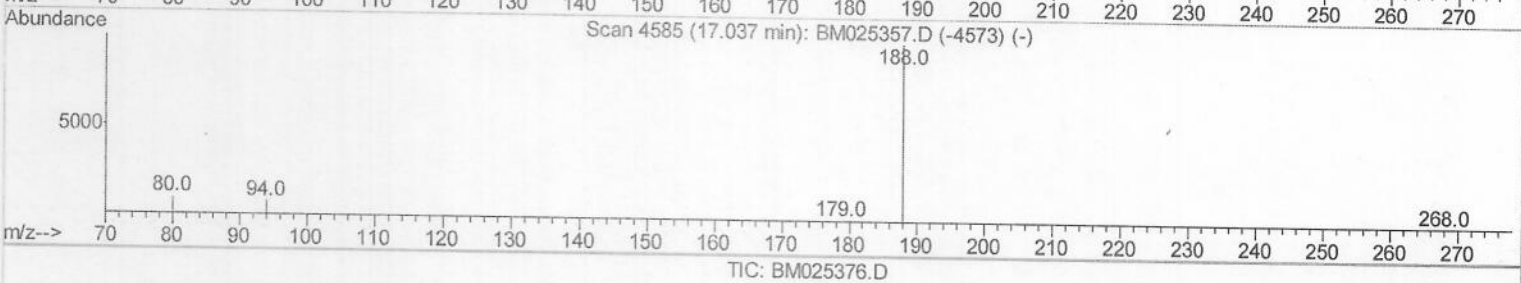
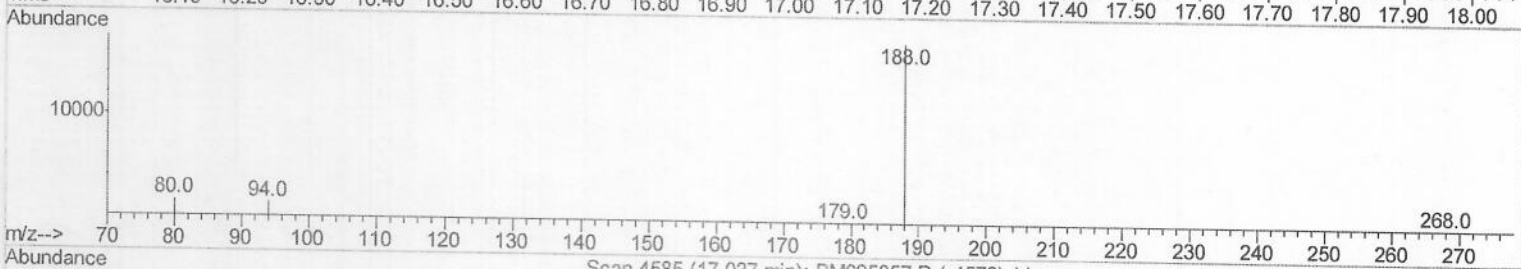
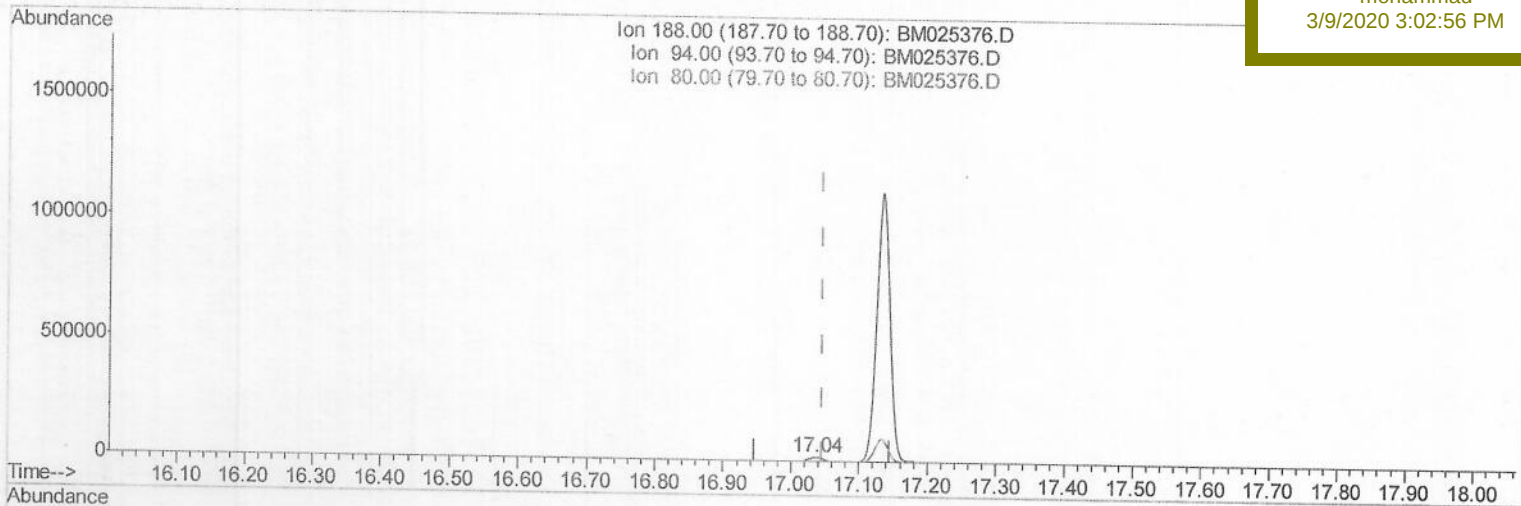
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025376.D  
 Acq On : 08 Mar 2020 09:01  
 Operator : CG/JU  
 Sample : L1616-16  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:14:49 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 : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDR0

Manual Integrations  
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TIC: BM025376.D

(10) Phenanthrene-d10 (I)

17.036min (-0.010) 0.40ng/ul m 350 03/11/20

response 23896

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 26.60 | 8.19# |
| 80.00  | 22.60 | 9.36# |
| 0.00   | 0.00  | 0.00  |

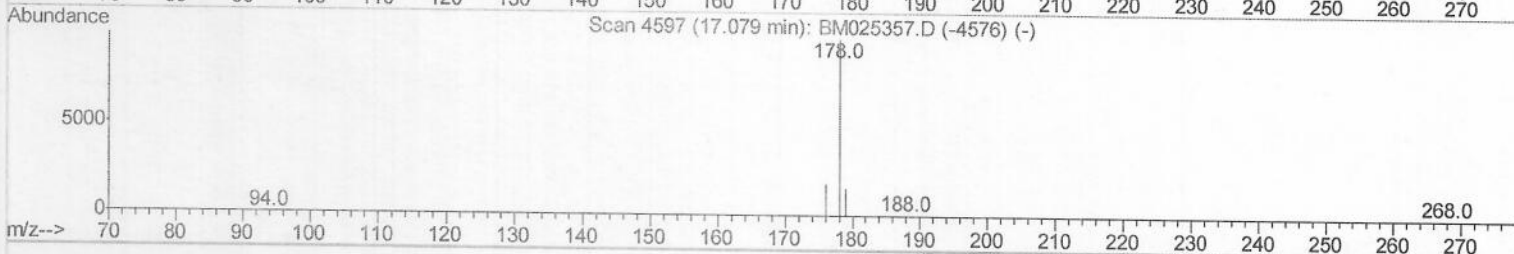
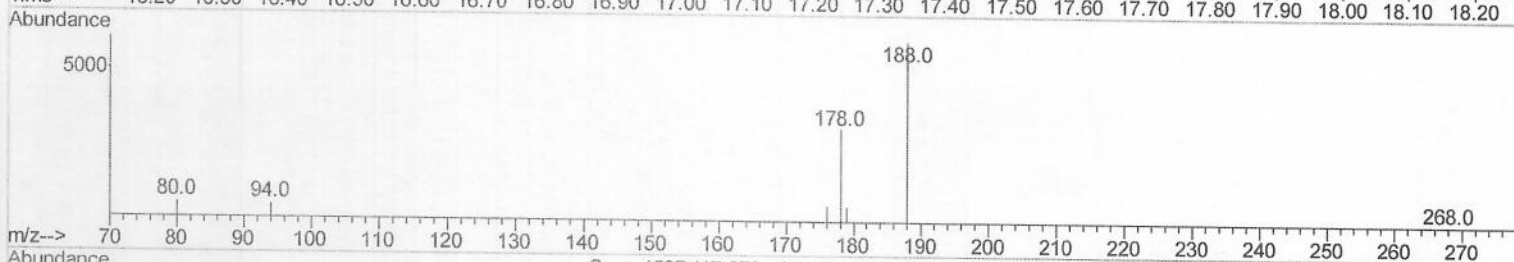
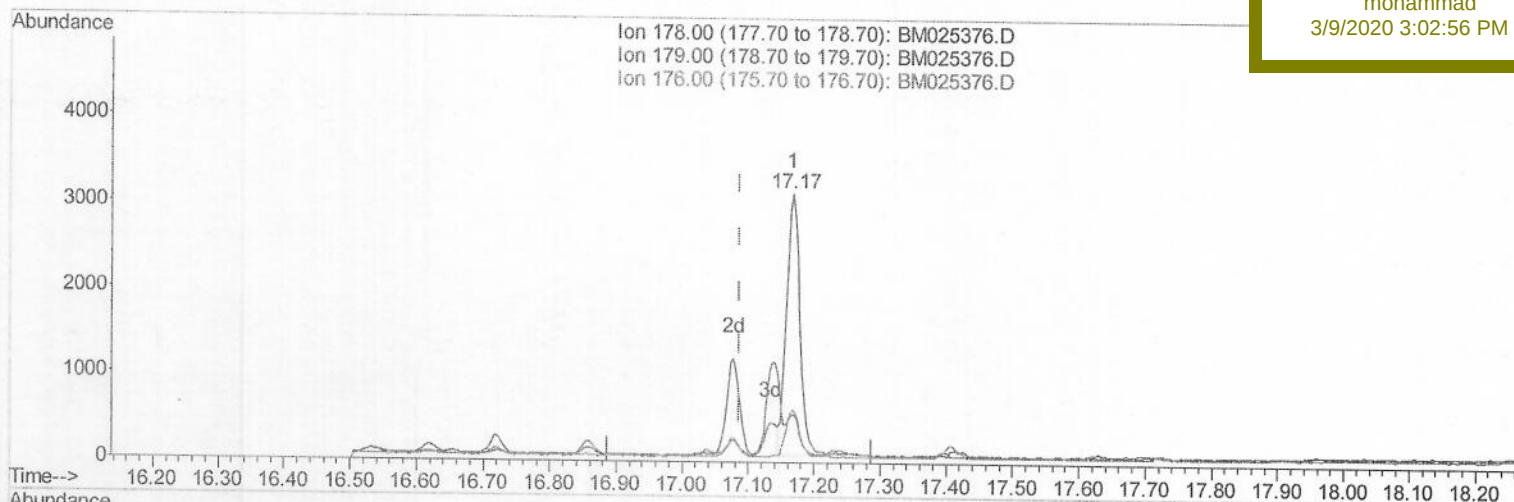
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025376.D  
Acq On : 08 Mar 2020 09:01  
Operator : CG/JU  
Sample : L1616-16  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
DBDR0

Manual Integrations  
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TIC: BM025376.D

(12) Phenanthrene

17.168min (+0.080) 0.06ng/ul

response 4338

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.50 | 17.76 |
| 176.00 | 20.70 | 19.45 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\

Data File : BM025376.D

Acq On : 08 Mar 2020 09:01

Operator : CG/JU

Sample : L1616-16

Misc :

ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampled :

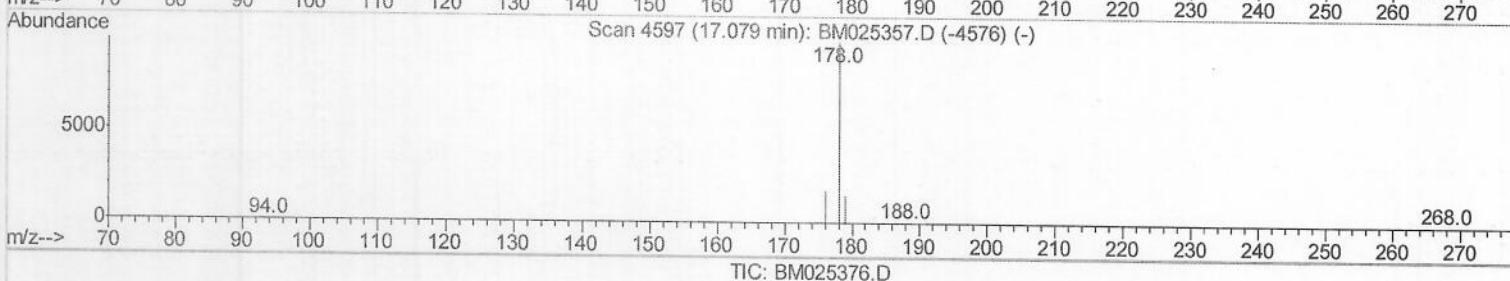
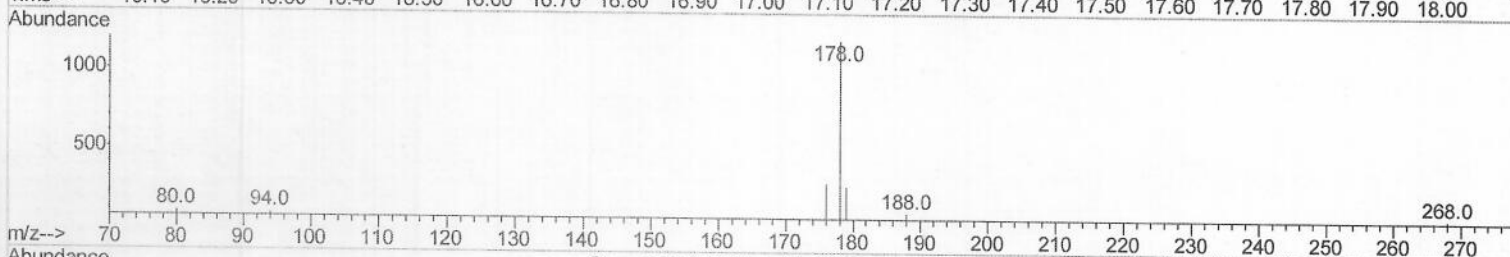
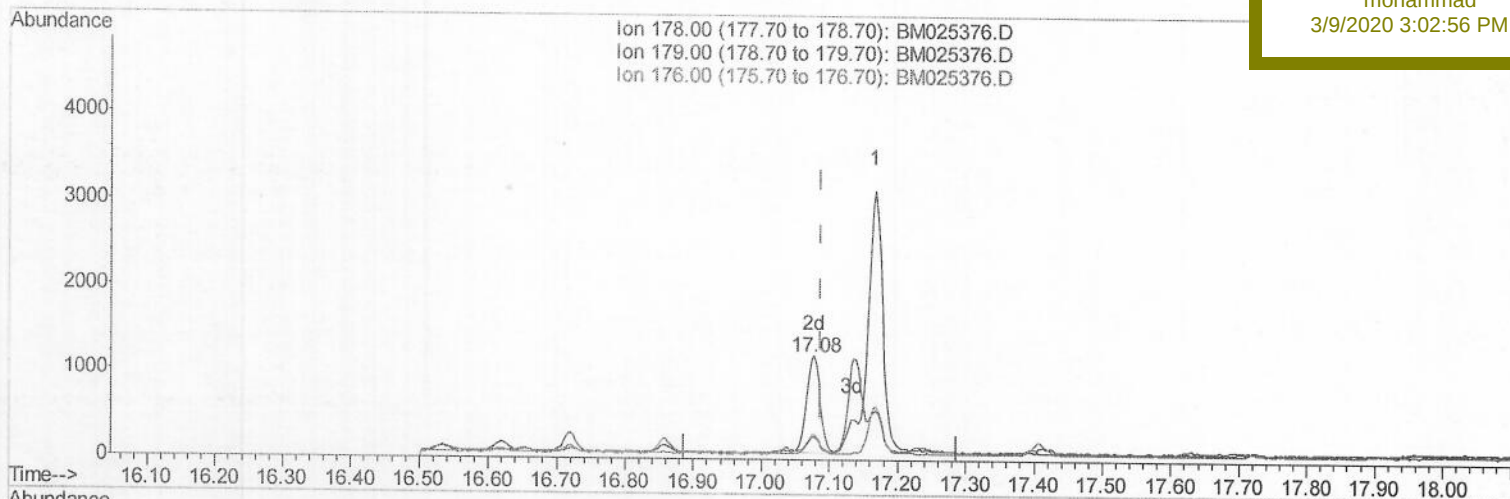
DBDR0

Manual Integrations

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(12) Phenanthrene

17.077min (-0.010) 0.02ng/ul m&gt; JV 03/11/20

response 1553

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 17.50 | 21.92# |
| 176.00 | 20.70 | 23.60  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\

Data File : BM025376.D

Acq On : 08 Mar 2020 09:01

Operator : CG/JU

Sample : L1616-16

Misc :

ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020

Response via : Initial Calibration

Instrument :

BNA\_M

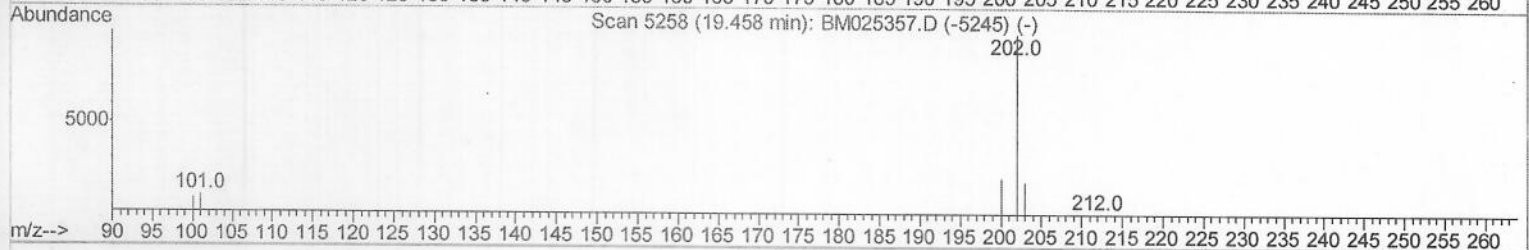
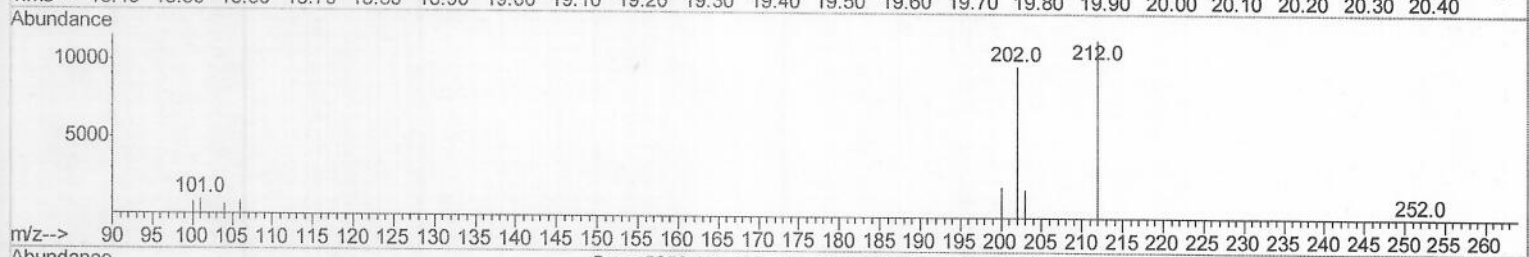
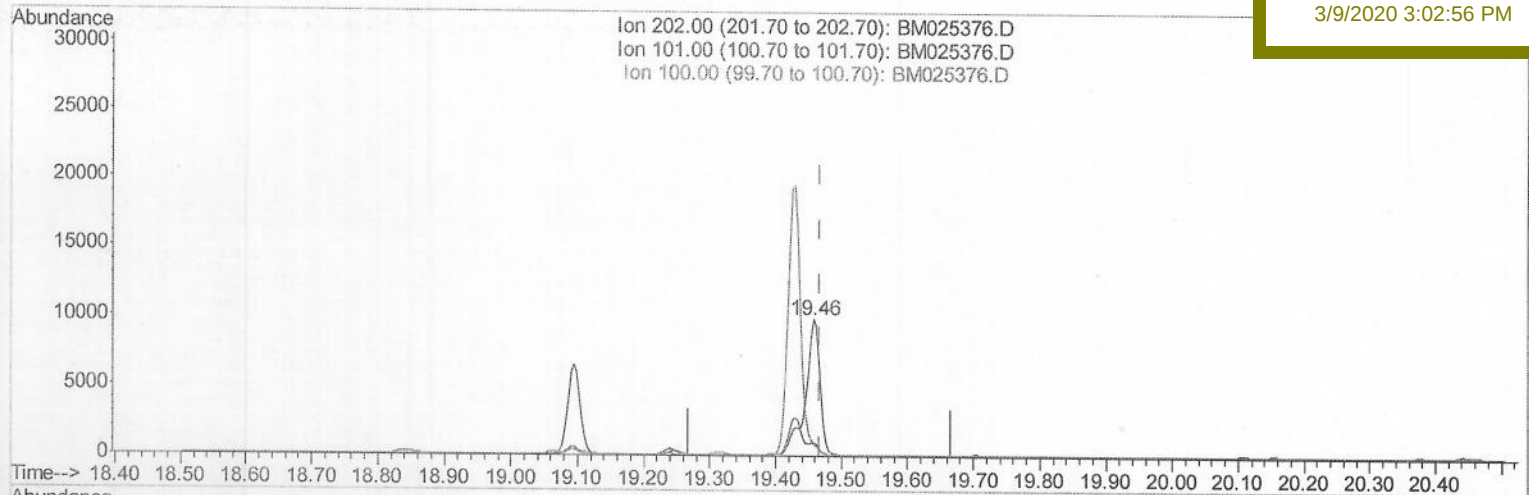
ClientSampleId :

DBDR0

Manual Integrations  
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TIC: BM025376.D

(17) Pyrene

19.457min (-0.011) 0.18ng/ul

response 14893

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.90 | 10.20 |
| 100.00 | 9.10  | 9.02  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

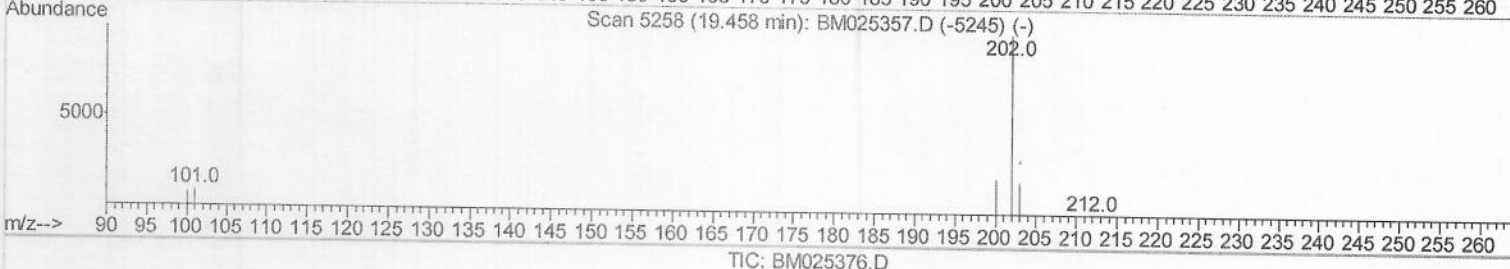
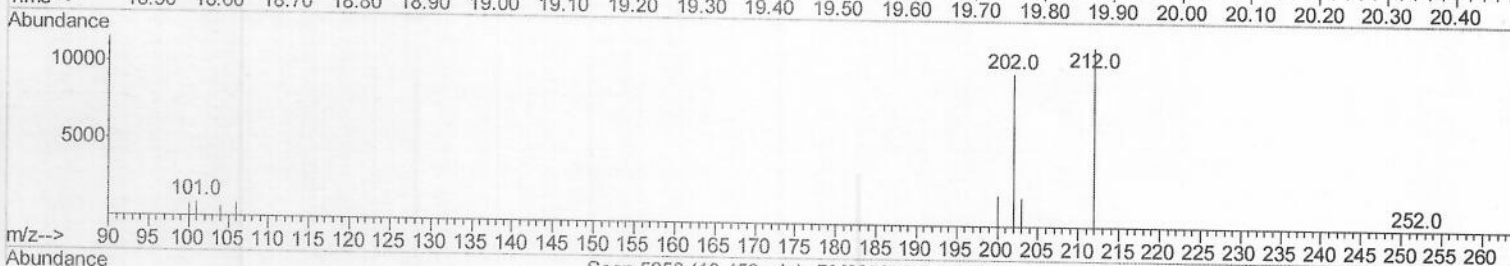
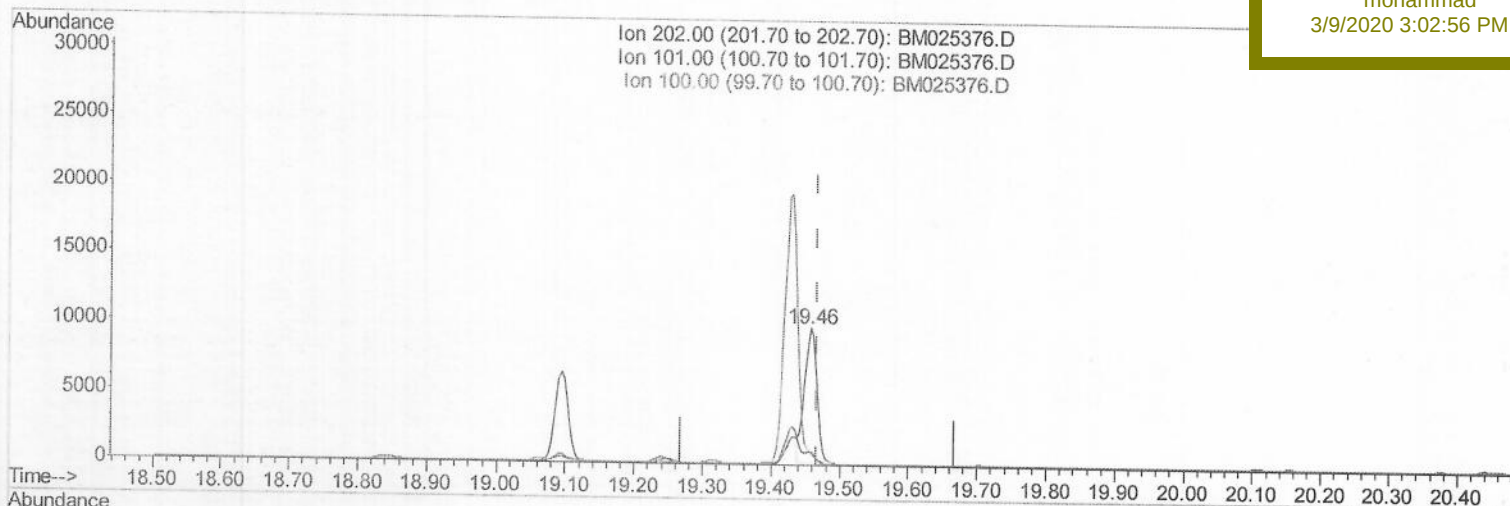
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025376.D  
 Acq On : 08 Mar 2020 09:01  
 Operator : CG/JU  
 Sample : L1616-16  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDR0

Manual Integrations  
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(17) Pyrene

19.457min (-0.011) 0.15ng/ul m > 50 03/11/20

response 12271

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.90 | 10.20 |
| 100.00 | 9.10  | 9.02  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025376.D  
Acq On : 08 Mar 2020 09:01  
Operator : CG/JU  
Sample : L1616-16  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration

Instrument :

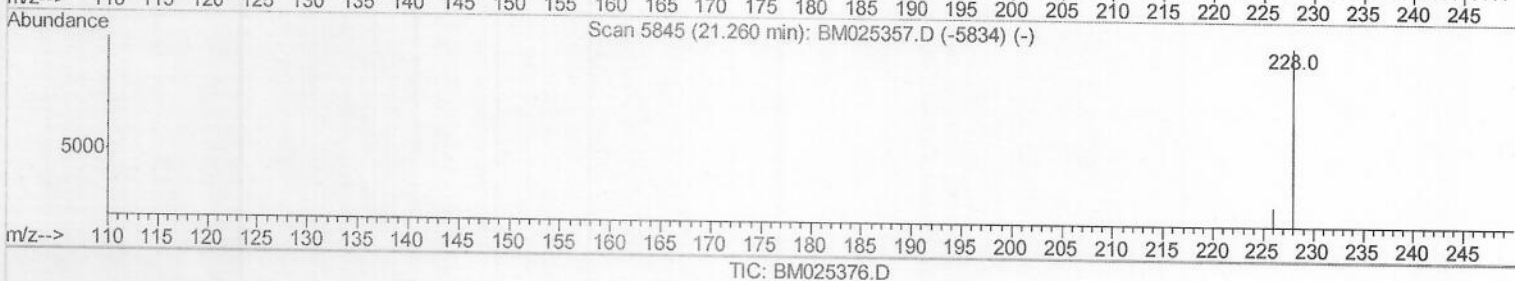
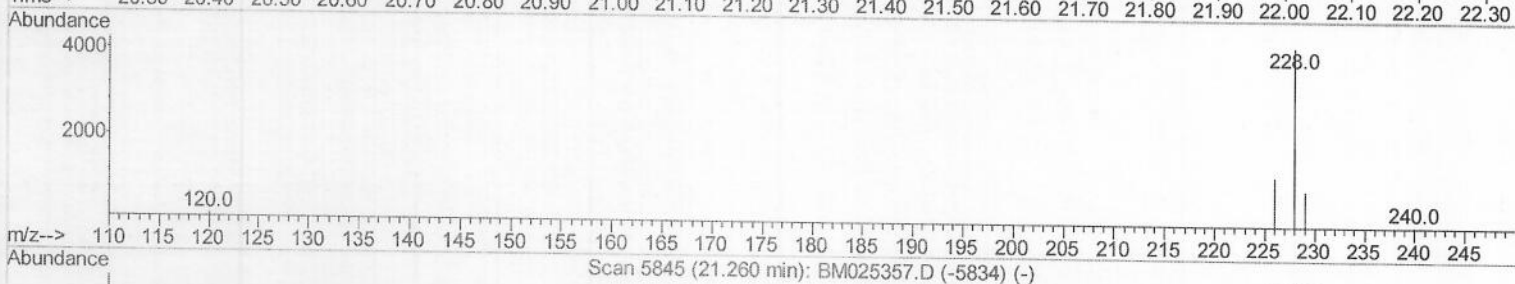
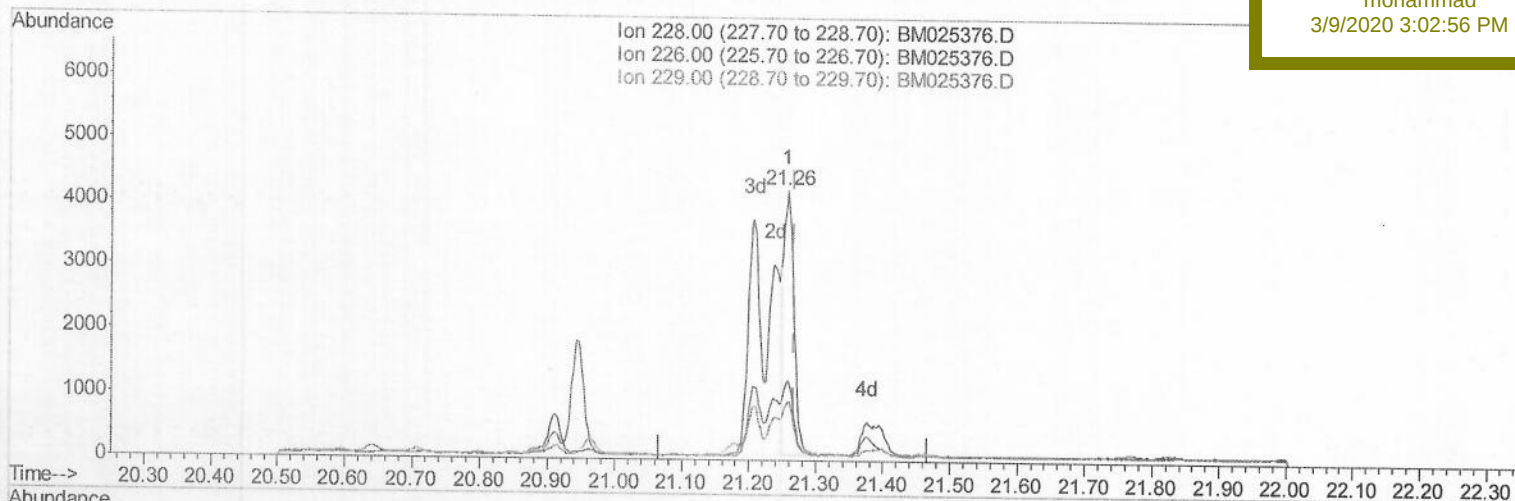
BNA\_M

ClientSampleId :

DBDR0

Manual Integrations  
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(19) Chrysene

21.258min (-0.009) 0.05ng/ul

response 4432

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.80 | 29.52 |
| 229.00 | 21.10 | 21.86 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

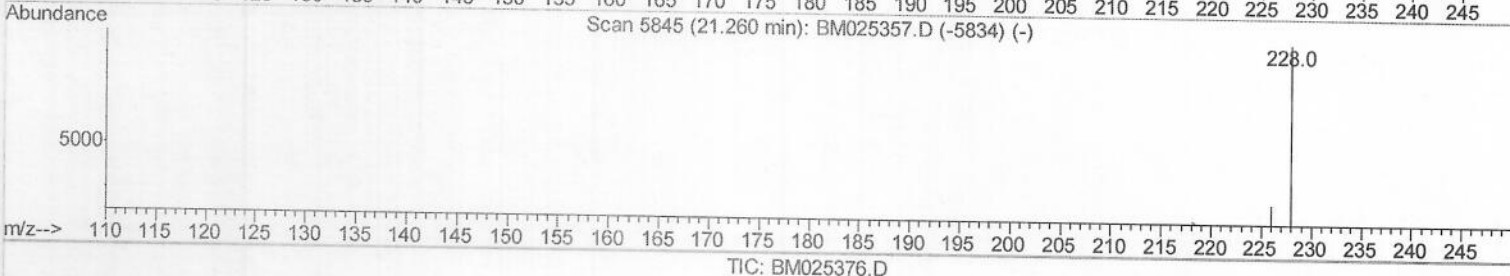
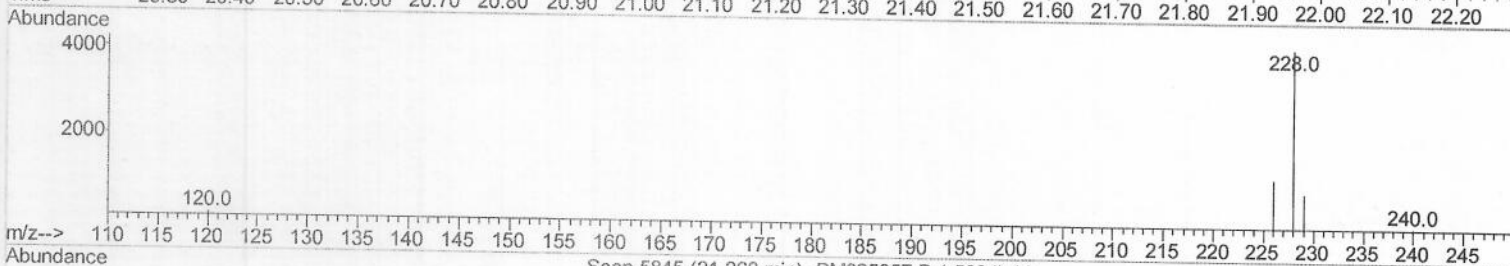
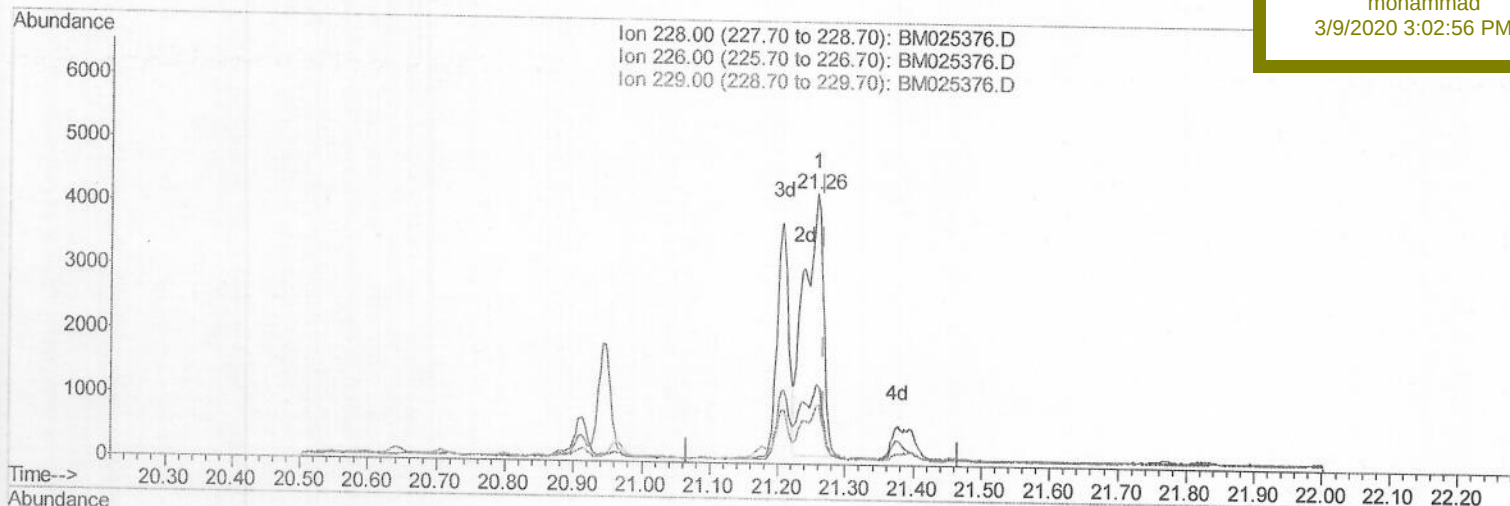
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025376.D  
 Acq On : 08 Mar 2020 09:01  
 Operator : CG/JU  
 Sample : L1616-16  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDR0

Manual Integrations  
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(19) Chrysene

21.258min (-0.009) 0.09ng/ul m> JV 03/11/20

response 8035

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.80 | 29.52 |
| 229.00 | 21.10 | 21.86 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\

Data File : BM025376.D

Acq On : 08 Mar 2020 09:01

Operator : CG/JU

Sample : L1616-16

Misc :

ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020

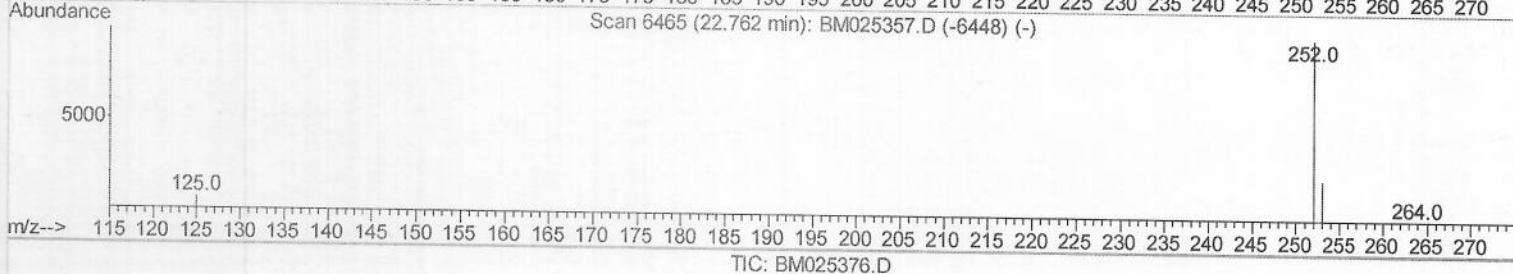
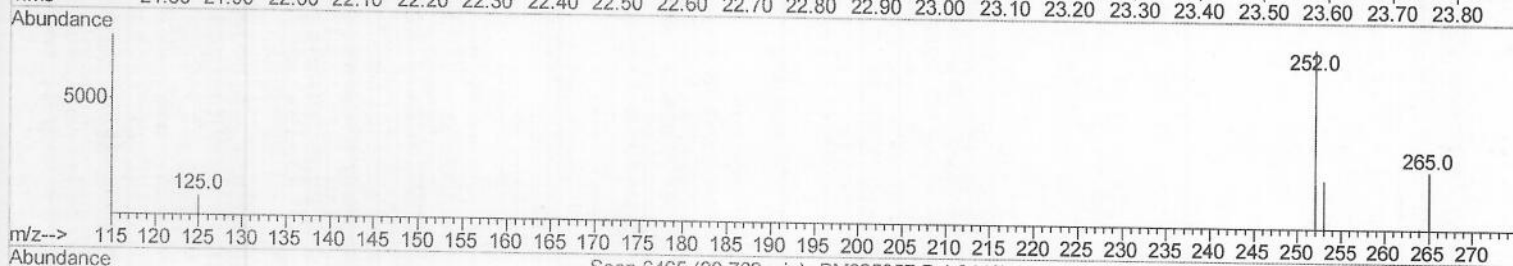
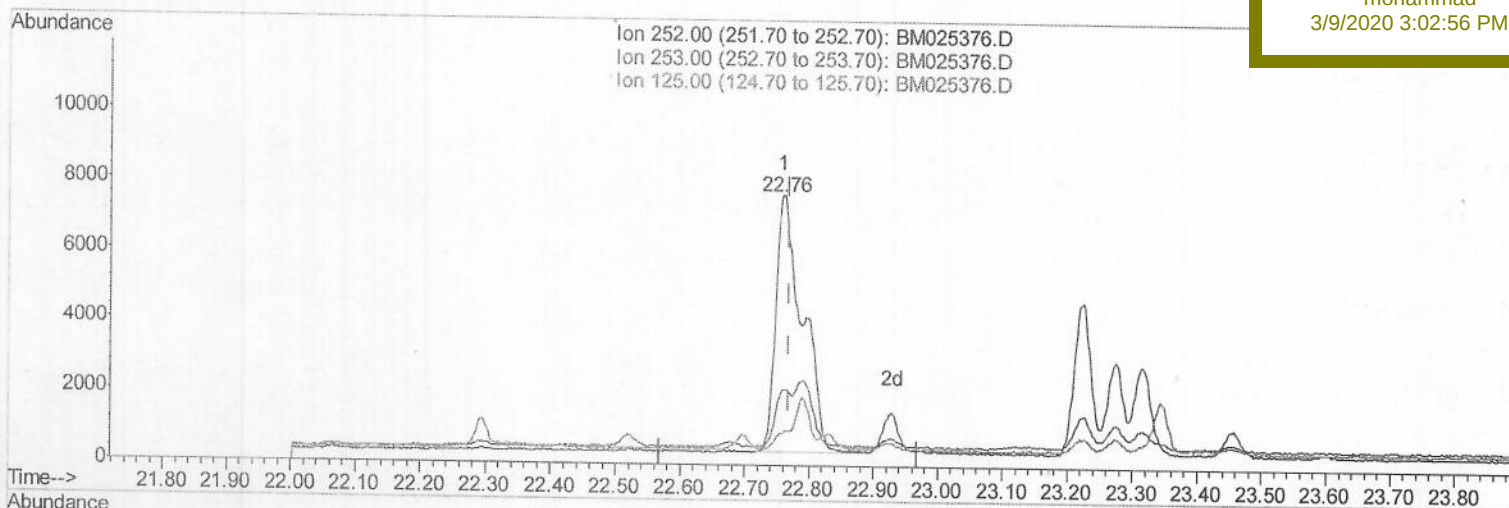
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DBDR0

Manual Integrations  
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(21) Benzo(b)fluoranthene

22.759min (-0.009) 0.27ng/ul

response 21130

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.90 | 27.55 |
| 125.00 | 14.30 | 12.05 |
| 0.00   | 0.00  | 0.00  |

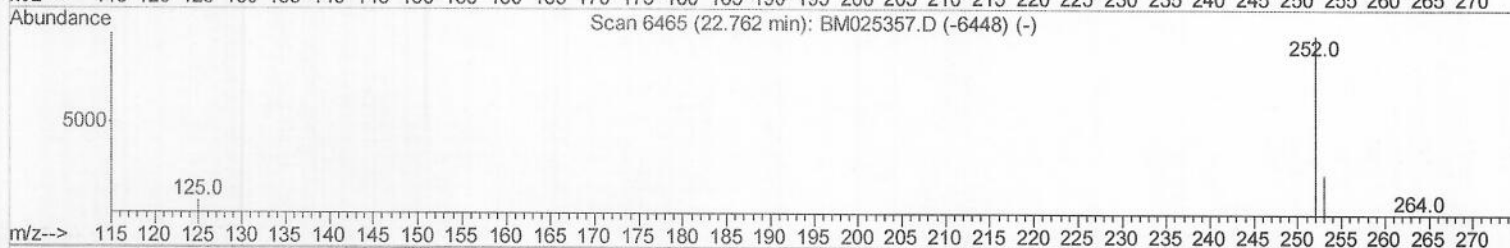
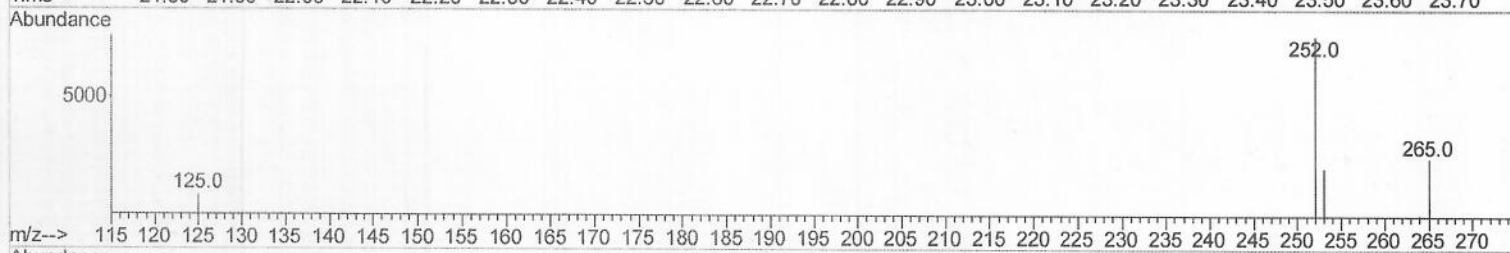
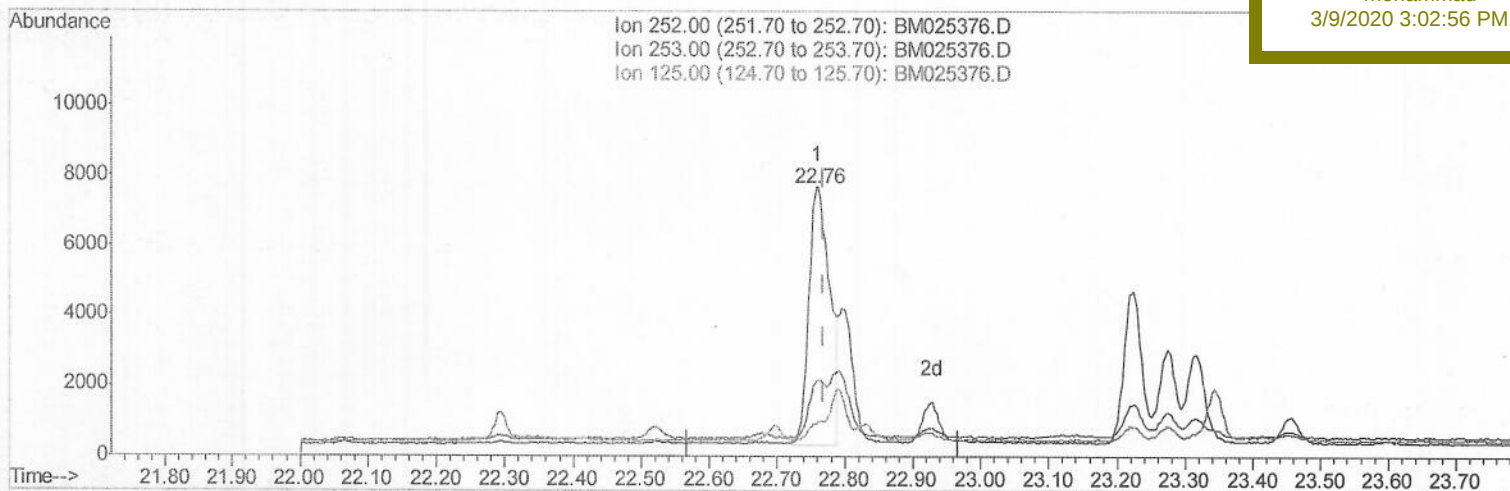
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025376.D  
Acq On : 08 Mar 2020 09:01  
Operator : CG/JU  
Sample : L1616-16  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Instrument :  
BNA\_M  
ClientSampleId :  
DBDR0

Manual Integrations  
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(21) Benzo(b)fluoranthene

22.759min (-0.009) 0.20ng/ul m >50 03/11/20

response 15643

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.90 | 27.55 |
| 125.00 | 14.30 | 12.05 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\

Data File : BM025376.D

Acq On : 08 Mar 2020 09:01

Operator : CG/JU

Sample : L1616-16

Misc :

ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020

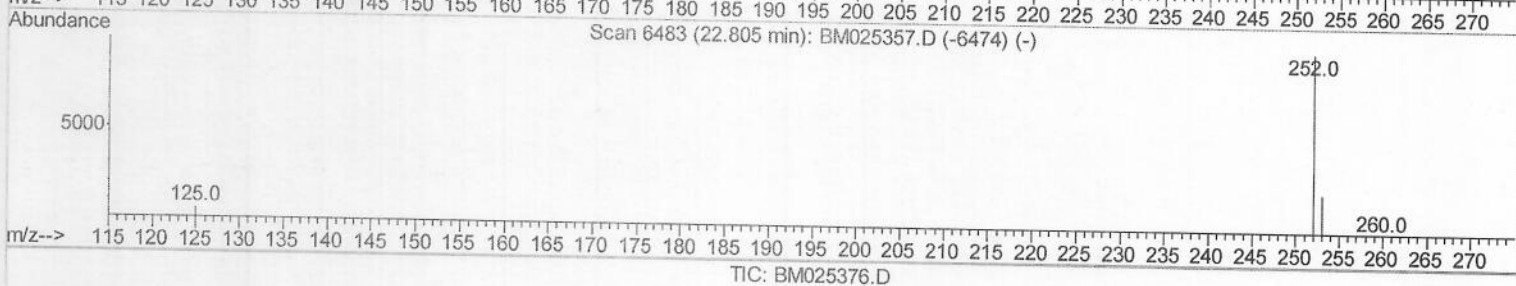
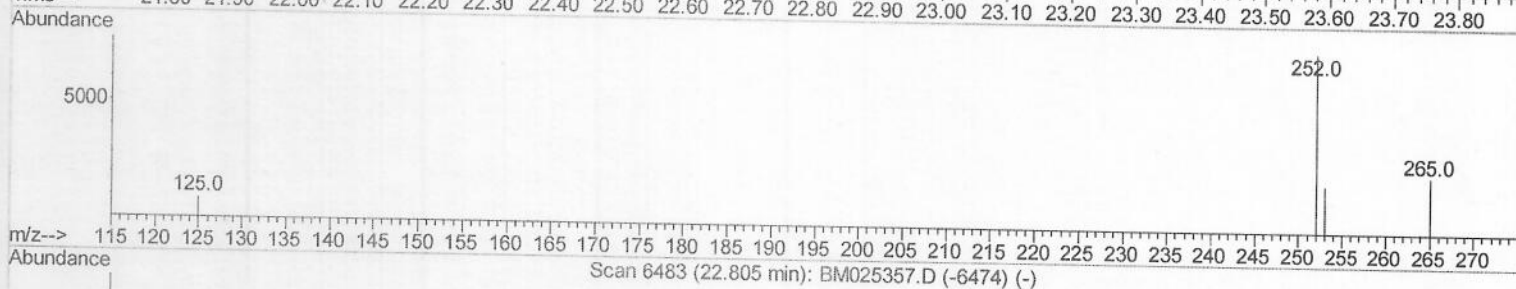
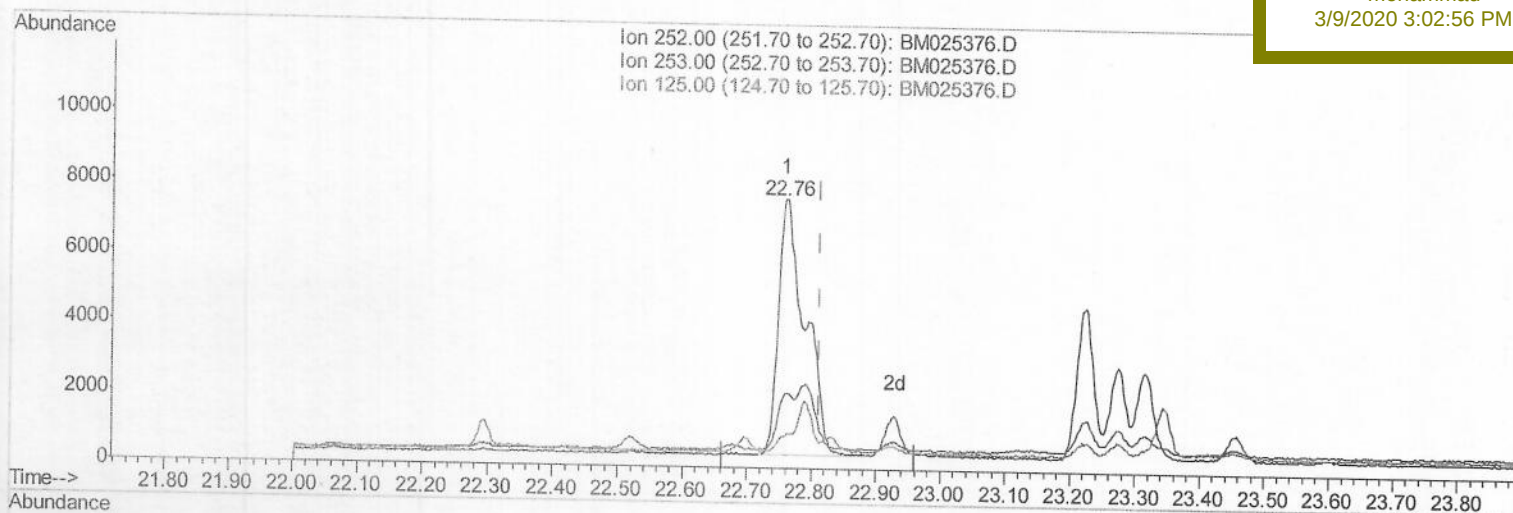
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DBDR0

Manual Integrations  
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3/9/2020 3:02:56 PM

(22) Benzo(k)fluoranthene

22.759min (-0.053) 0.26ng/ul

response 21130

| Ion | Exp% | Act% |
|-----|------|------|
|-----|------|------|

|        |     |     |
|--------|-----|-----|
| 252.00 | 100 | 100 |
|--------|-----|-----|

|        |       |       |
|--------|-------|-------|
| 253.00 | 24.20 | 27.55 |
|--------|-------|-------|

|        |       |       |
|--------|-------|-------|
| 125.00 | 13.40 | 12.05 |
|--------|-------|-------|

|      |      |      |
|------|------|------|
| 0.00 | 0.00 | 0.00 |
|------|------|------|

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\

Data File : BM025376.D

Acq On : 08 Mar 2020 09:01

Operator : CG/JU

Sample : L1616-16

Misc :

ALS Vial : 62 Sample Multiplier: 1

Quant Time: Mar 09 01:44:19 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 : Wed Mar 04 08:02:03 2020

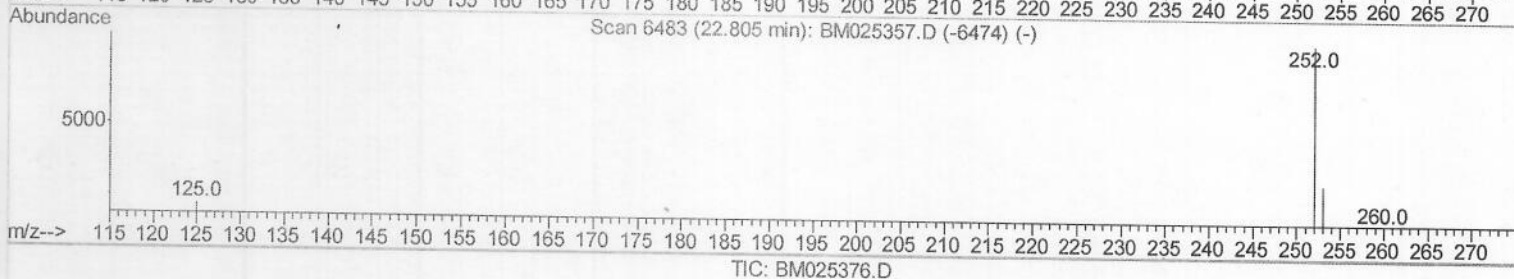
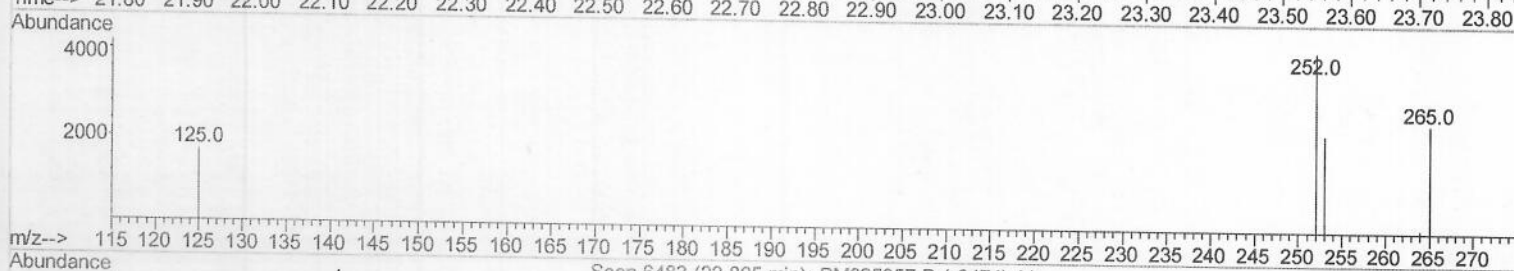
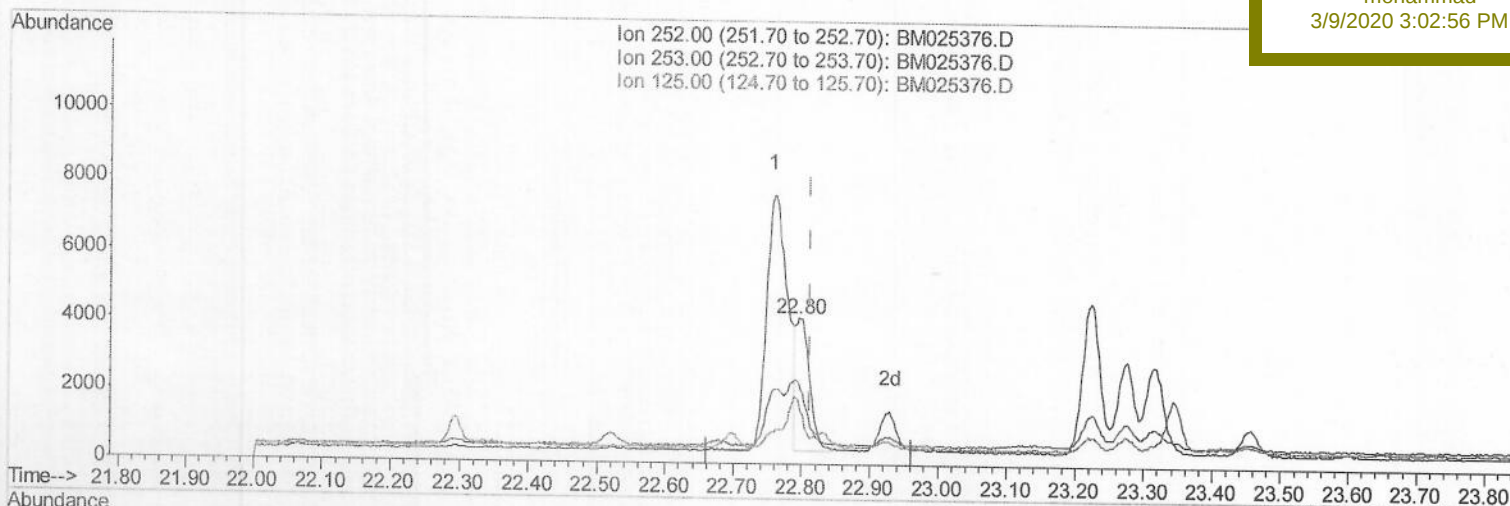
Response via : Initial Calibration

Instrument :

BNA\_M

Client Sampled :

DBDR0

Manual Integrations  
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(22) Benzo(k)fluoranthene

22.796min (-0.017) 0.07ng/ul m &gt; JV 03/11/20

response 5510

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.20 | 55.36# |
| 125.00 | 13.40 | 41.11# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025376.D  
 Acc On : 08 Mar 2020 09:01  
 Operator : CG/JU  
 Sample : L1616-16  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sample Id :  
 DBDR0

Quant Time: Mar 09 01:47:32 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 : Wed Mar 04 08:02:03 2020  
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Manual Integrations  
 APPROVED

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 3/9/2020 3:02:56 PM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 3301     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.44 | 136  | 14263    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.29 | 164  | 10385    | 0.40 | ng/ul | -0.01    |
| 10) Phenanthrene-d10      | 17.04 | 188  | 23896m>  | 0.40 | ng/ul | -0.01    |
| 16) Chrysene-d12          | 21.22 | 240  | 21672    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.41 | 264  | 19387    | 0.40 | ng/ul | -0.01    |

|                             |       |     |       |      |       |       |
|-----------------------------|-------|-----|-------|------|-------|-------|
| System Monitoring Compounds |       |     |       |      |       |       |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152 | 7118  | 0.27 | ng/ul | -0.01 |
| 14) Fluoranthene-d10        | 19.06 | 212 | 19546 | 0.25 | ng/ul | -0.01 |

|                            |       |     |         |       |        |        |
|----------------------------|-------|-----|---------|-------|--------|--------|
| Target Compounds           |       |     |         |       |        |        |
| 12) Phenanthrene           | 17.08 | 178 | 1553m>  | 0.020 | ng/ul  | Ovalue |
| 13) Anthracene             | 17.17 | 178 | 4330    | 0.063 | ng/ul  | 99     |
| 15) Fluoranthene           | 19.09 | 202 | 8408    | 0.087 | ng/ul  | 98     |
| 17) Pyrene                 | 19.46 | 202 | 12271m> | 0.149 | ng/ul  |        |
| 18) Benzo(a)anthracene     | 21.21 | 228 | 4454    | 0.056 | ng/ul  | 95     |
| 19) Chrysene               | 21.26 | 228 | 8035m>  | 0.092 | ng/ul  |        |
| 21) Benzo(b)fluoranthene   | 22.76 | 252 | 15643m> | 0.202 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.80 | 252 | 5510m>  | 0.068 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.31 | 252 | 4483    | 0.069 | ng/ul# | 80     |
| 24) Indeno(1,2,3-cd)pyrene | 25.58 | 276 | 5847    | 0.072 | ng/ul# | 100    |
| 26) Benzo(a,h,i)perylene   | 26.24 | 276 | 5176    | 0.075 | ng/ul  | 96     |

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