

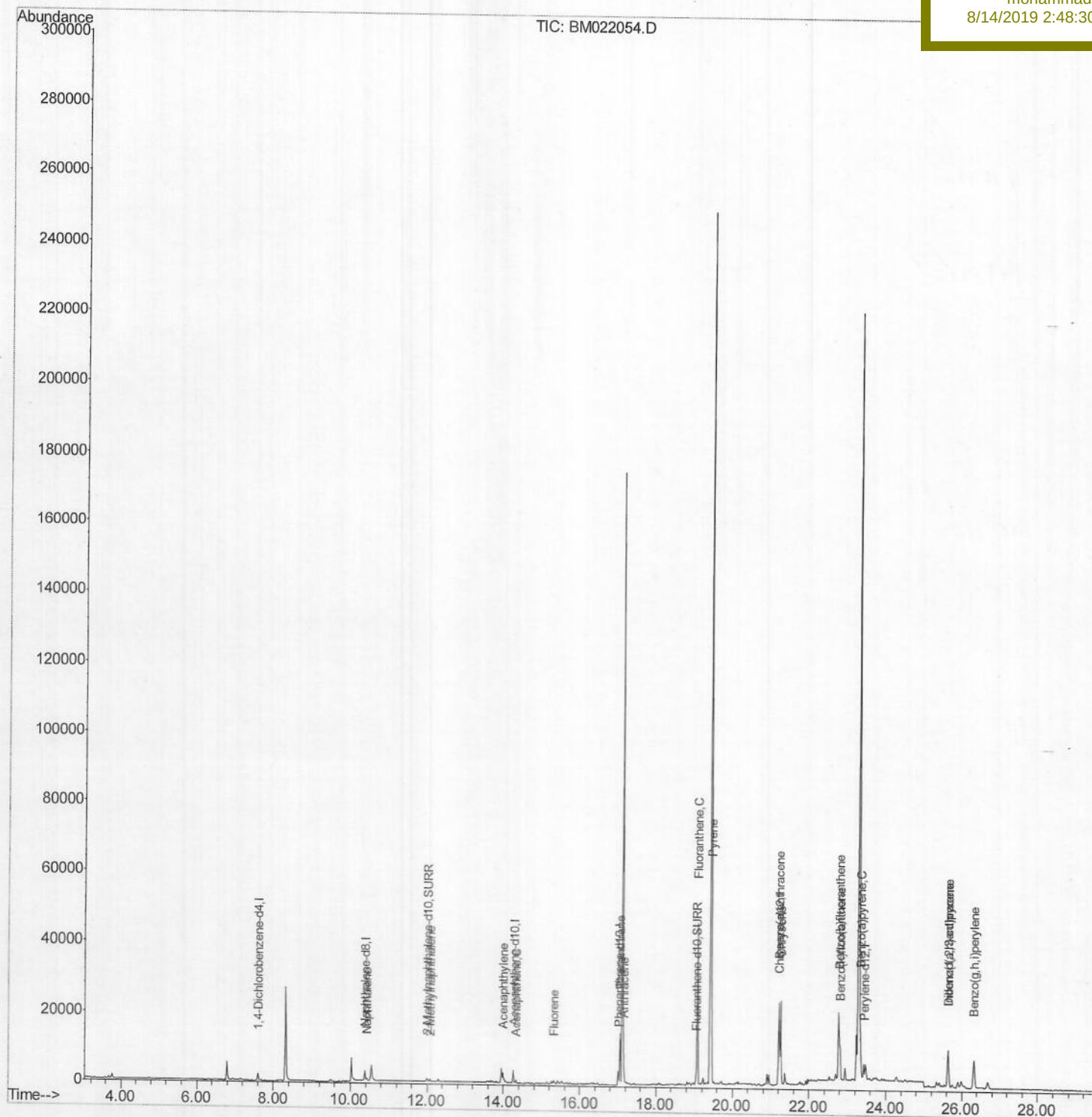
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022054.D  
Acq On : 13 Aug 2019 05:21  
Operator : HP/JU  
Sample : K4041-11  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:21:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 08:25:01 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
BENT5

Manual Integrations  
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mohammad  
8/14/2019 2:48:30 AM



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

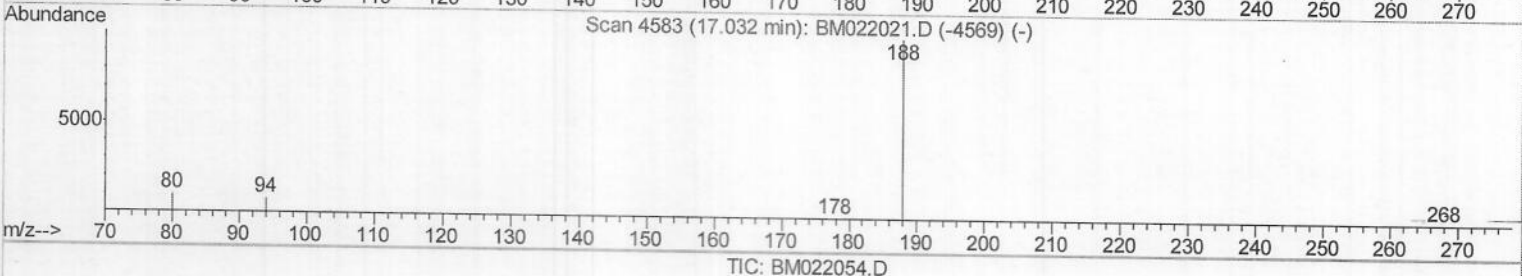
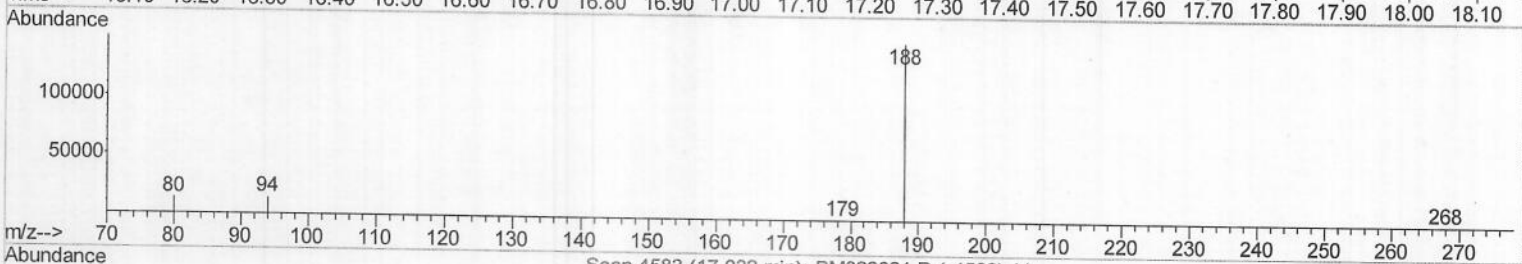
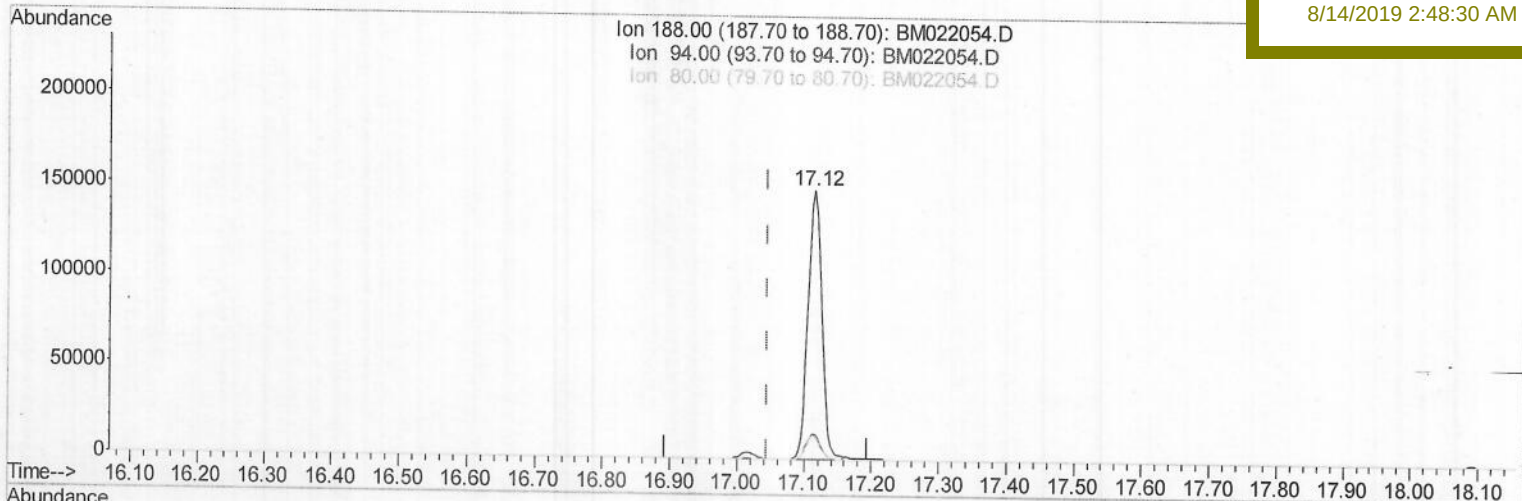
BENT5

Manual Integrations

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(10) Phenanthrene-d10 (I)

17.116min (+0.071) 0.40ng/ul

response 208112

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.06  |
| 80.00  | 11.40 | 8.67# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

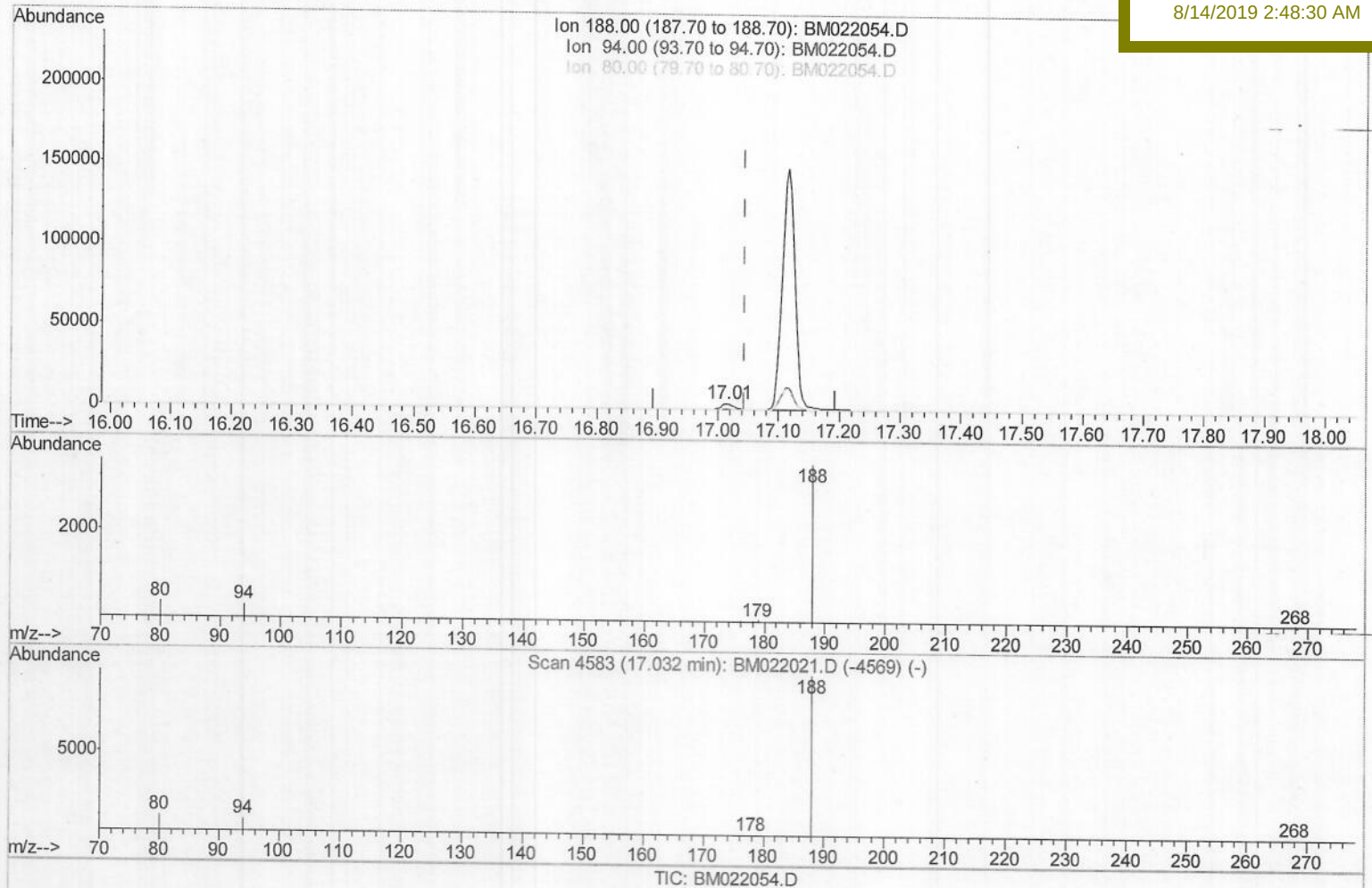
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENT5

Manual Integrations  
APPROVEDmohammad  
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(10) Phenanthrene-d10 (I)

17.015min (-0.029) 0.40ng/ul m ) JU  
08/14/19

response 4995

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.87  |
| 80.00  | 11.40 | 11.27 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

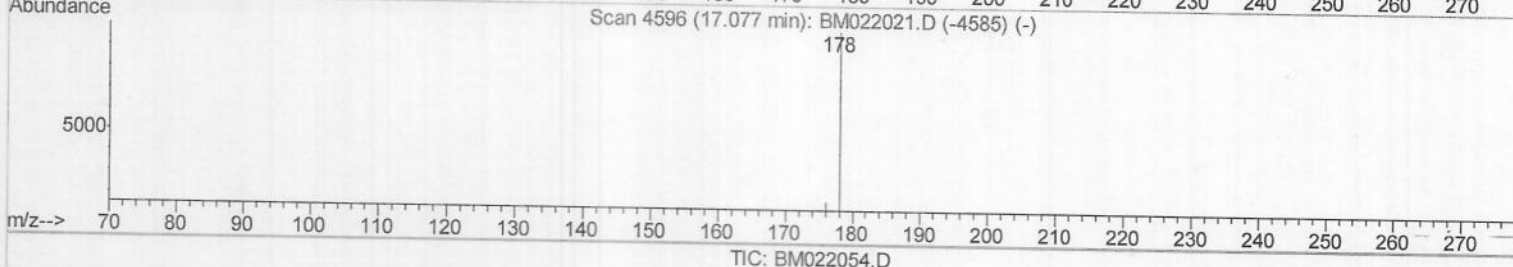
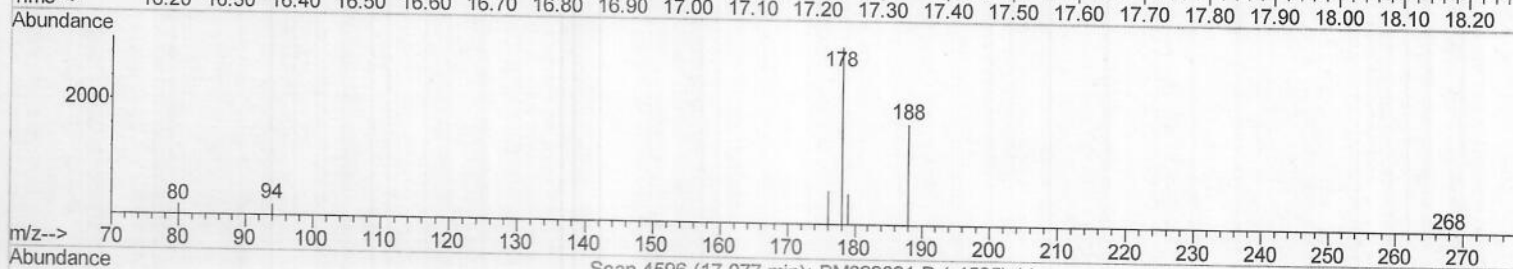
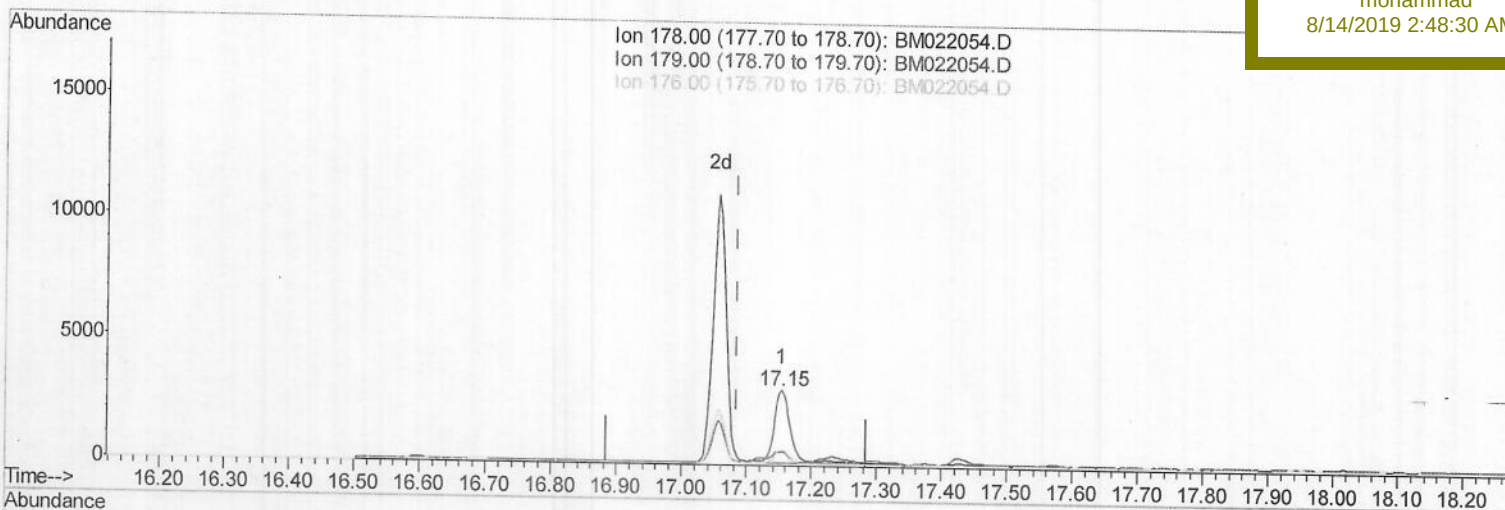
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 BENT5

**Manual Integrations**  
**APPROVED**

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TIC: BM022054.D

(12) Phenanthrene

17.154min (+0.068) 0.36ng/ul

response 5241

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 18.74 |
| 176.00 | 21.00 | 20.08 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

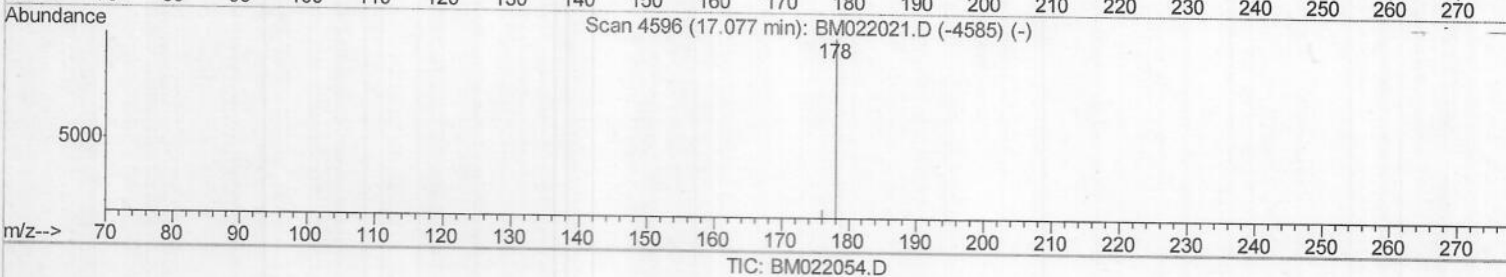
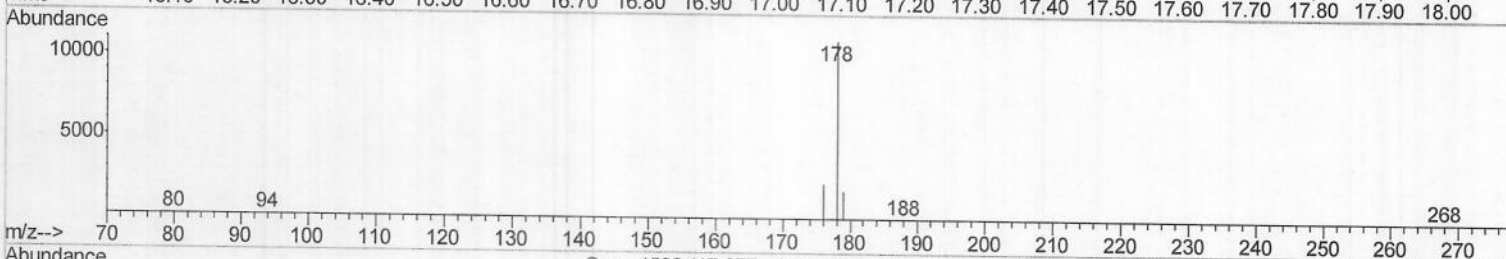
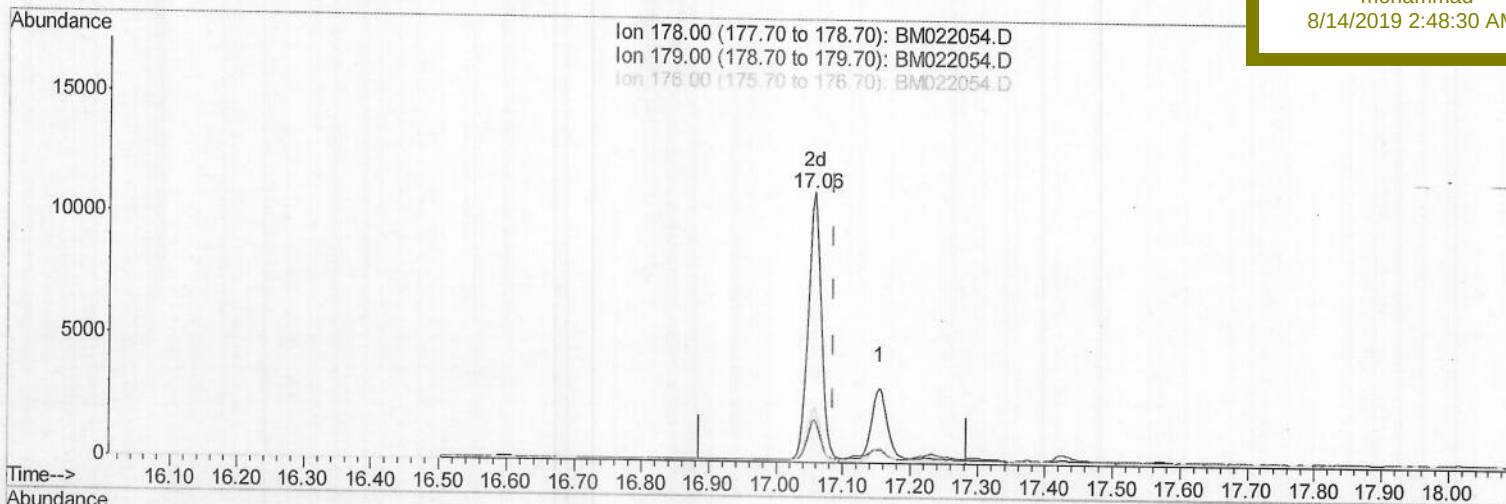
BENT5

Manual Integrations

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mohammad

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(12) Phenanthrene

17.057min (-0.029) 1.08ng/ul m

response 15677

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 16.13 |
| 176.00 | 21.00 | 20.46 |
| 0.00   | 0.00  | 0.00  |

JU  
08/17/19

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

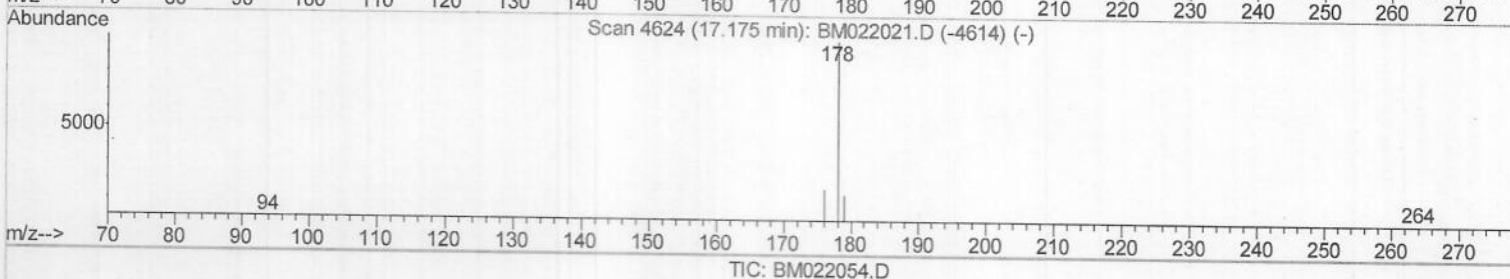
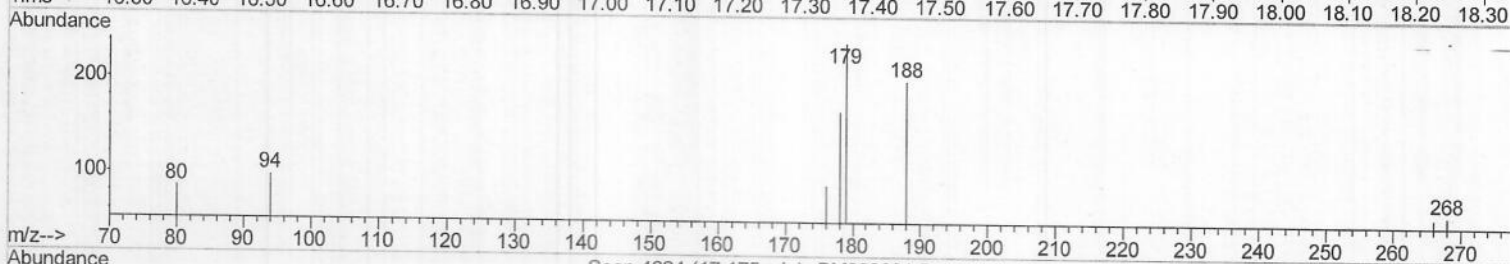
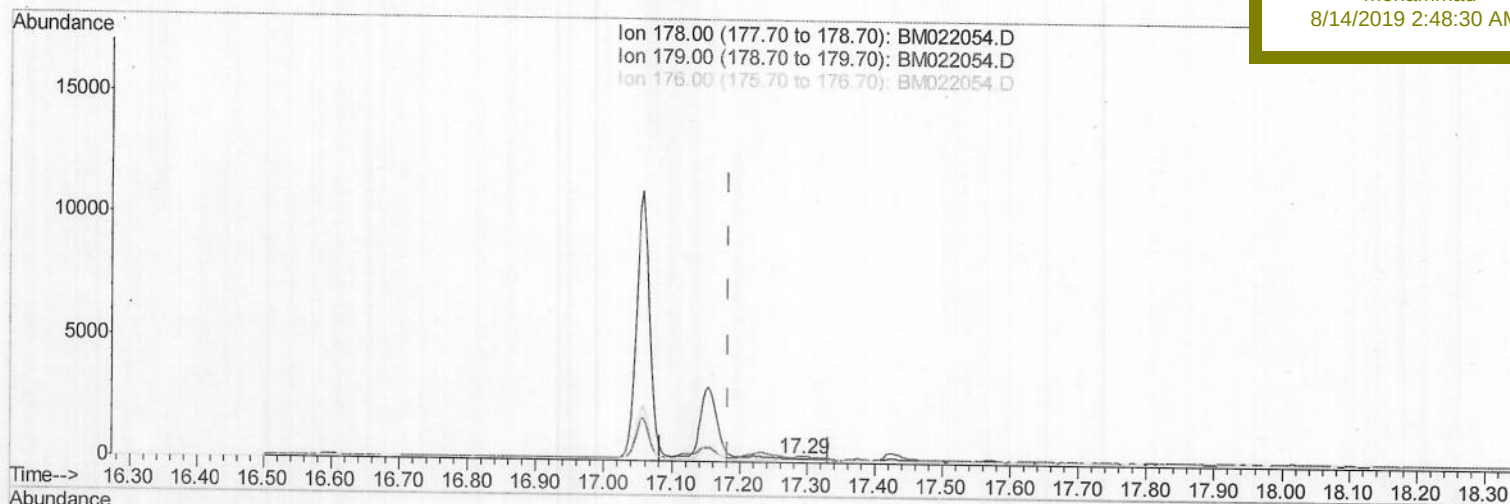
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENT5

Manual Integrations  
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8/14/2019 2:48:30 AM

(13) Anthracene

17.292min (+0.109) 0.01ng/ul

response 141

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 19.40 | 143.20# |
| 176.00 | 20.80 | 53.25#  |
| 0.00   | 0.00  | 0.00    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

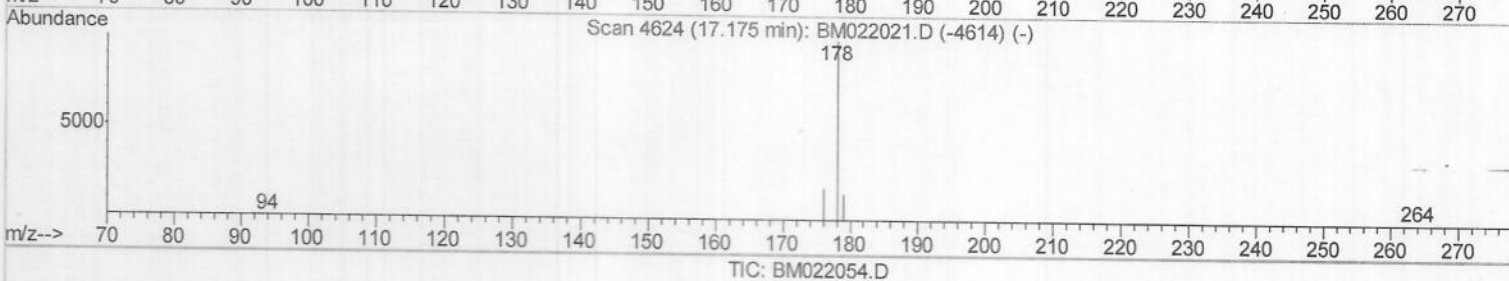
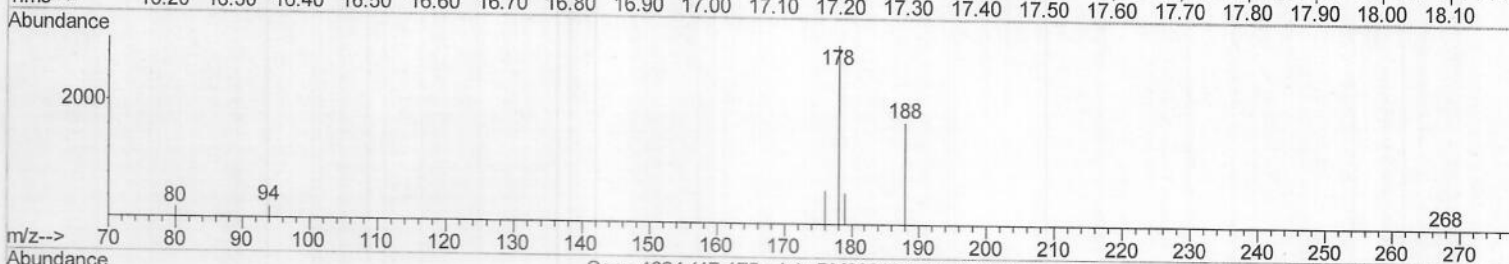
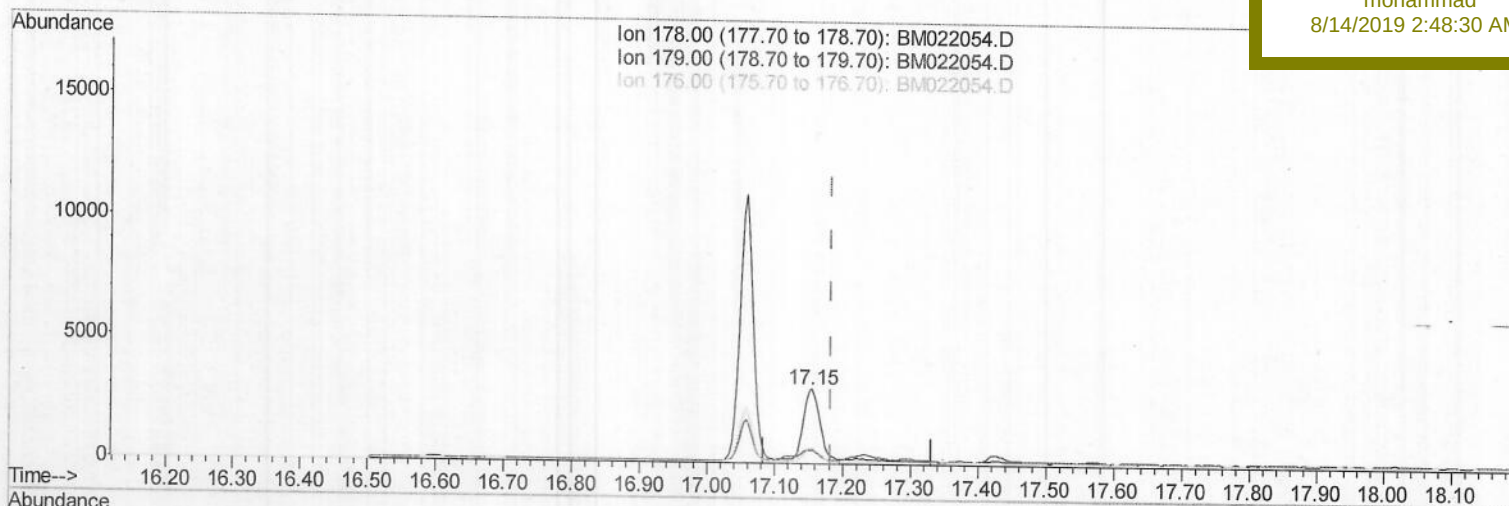
Response via : Initial Calibration

Instrument :

BNA\_M

Client Sampled :

BENT5

Manual Integrations  
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8/14/2019 2:48:30 AM

(13) Anthracene

17.154min (-0.029) 0.44ng/ul m 50  
08/11/19

response 5405

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 19.40 | 18.74 |
| 176.00 | 20.80 | 20.08 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

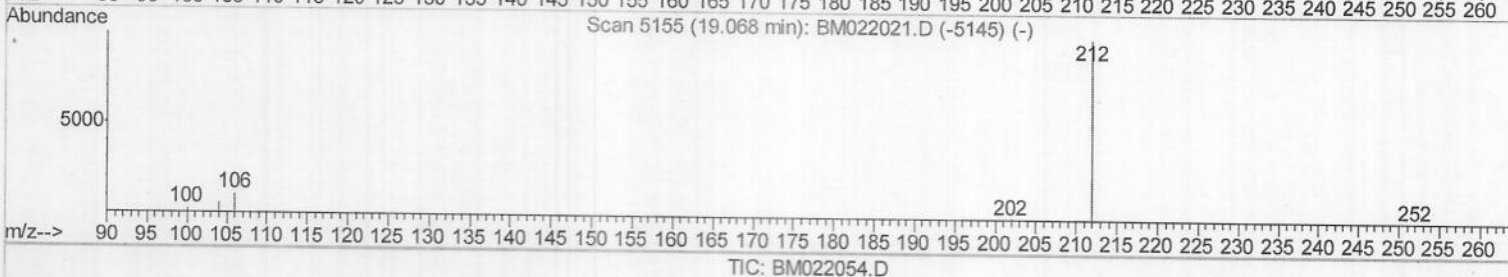
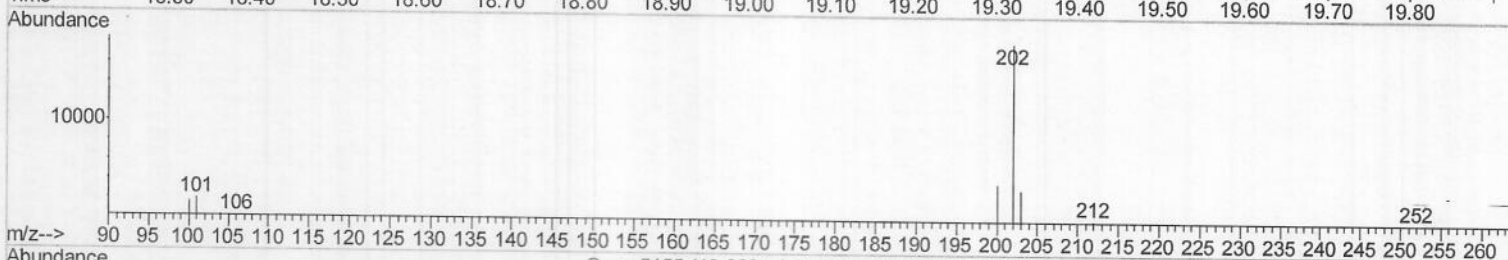
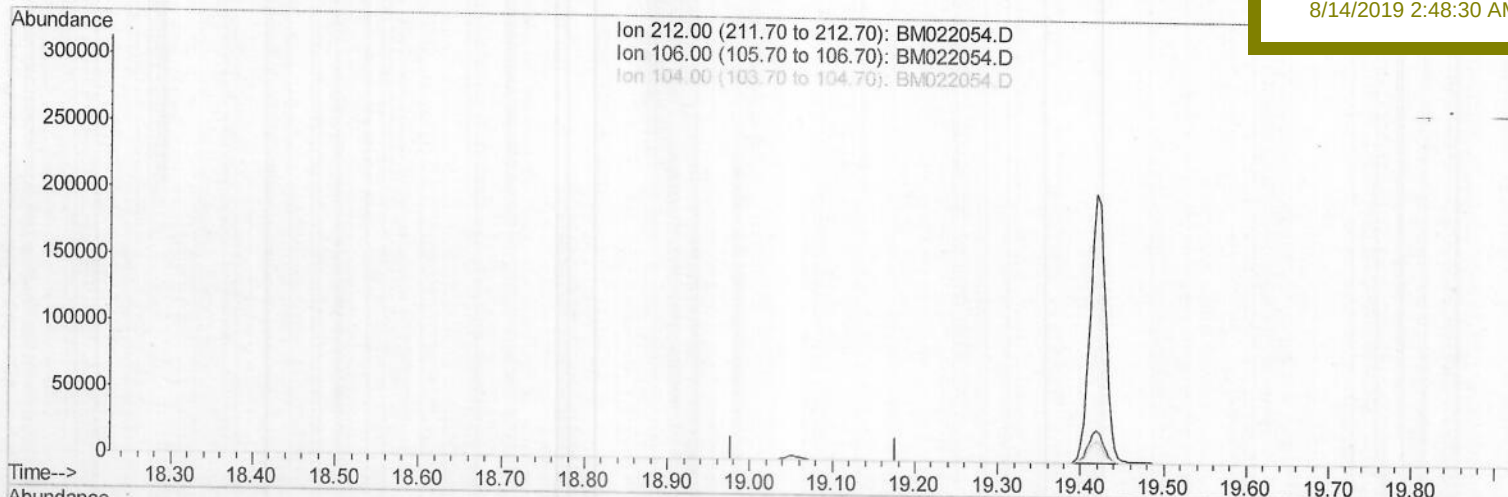
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENT5

Manual Integrations  
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TIC: BM022054.D

(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 0.00ng/ul

response 0

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 0.00  |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

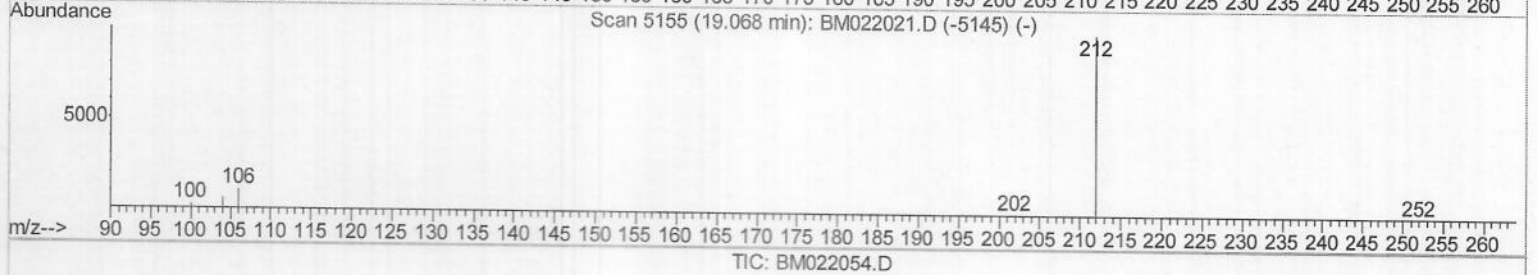
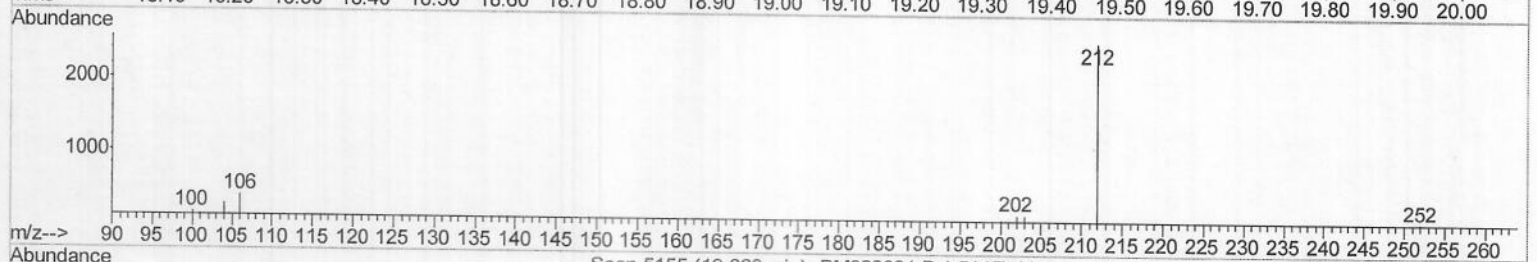
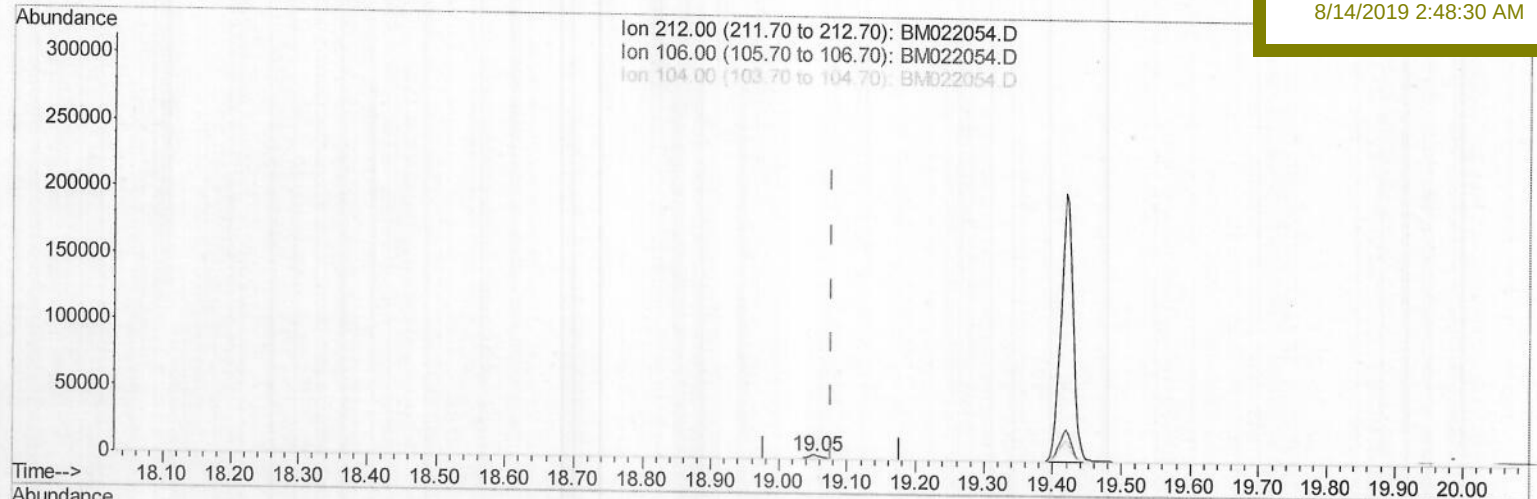
BENT5

Manual Integrations

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mohammad

8/14/2019 2:48:30 AM



(14) Fluoranthene-d10 (SURR)

19.053min (-0.024) 0.22ng/ul m *JU*  
*08117119*

response 3627

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

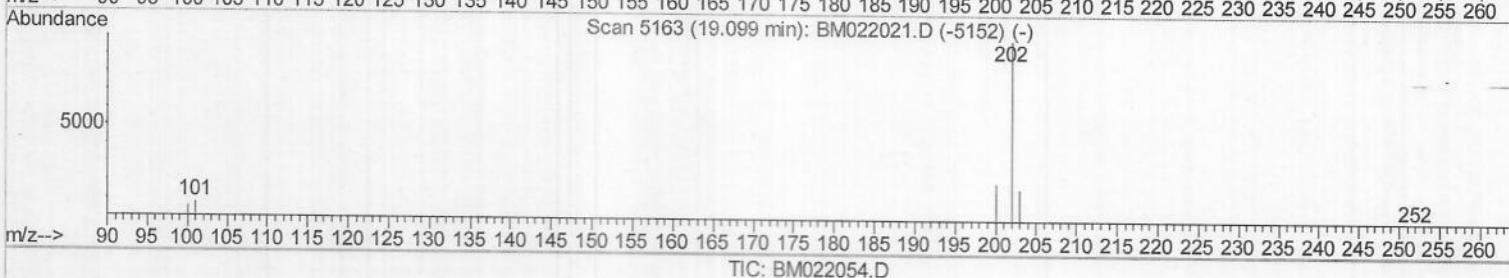
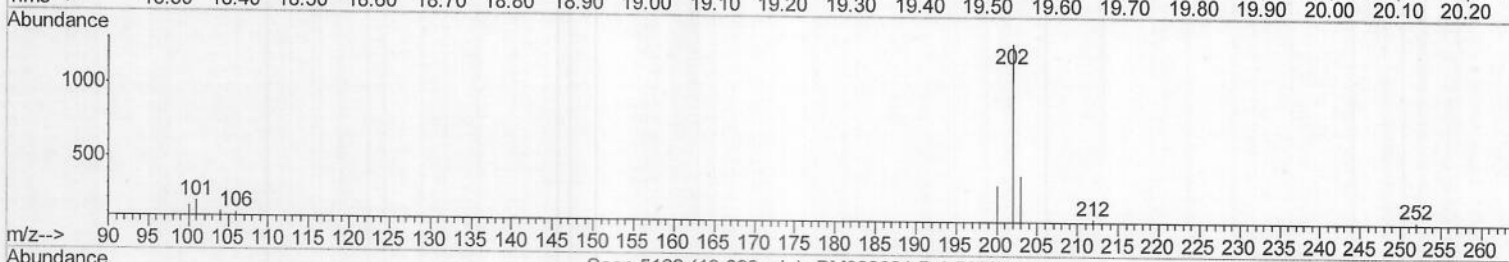
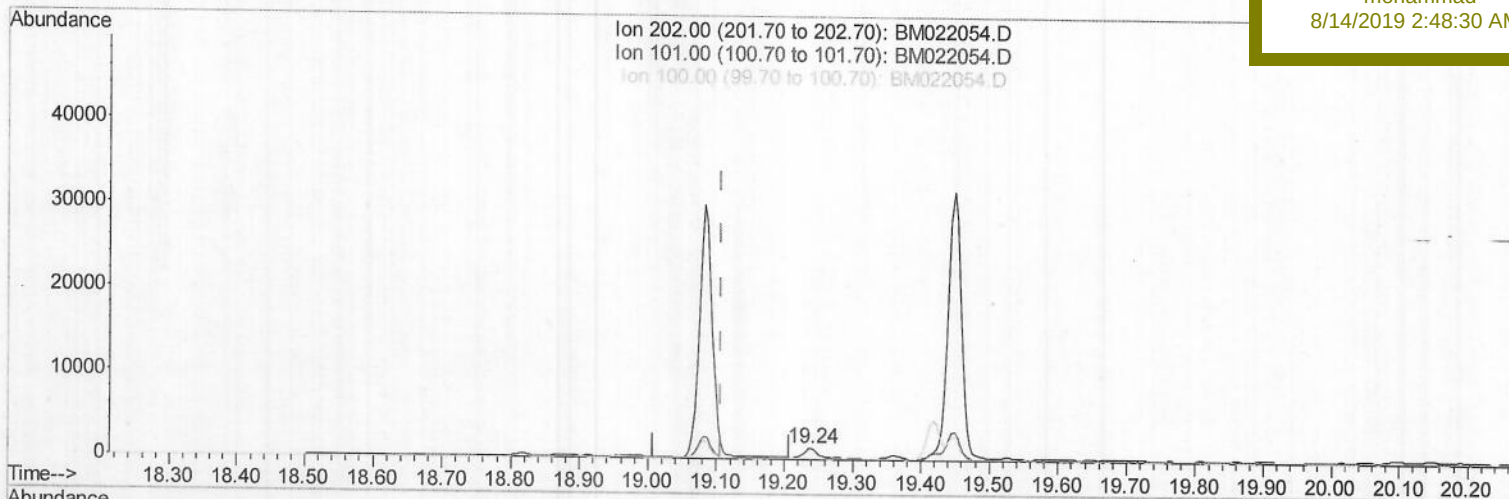
BENT5

Manual Integrations

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mohammad

8/14/2019 2:48:30 AM



(15) Fluoranthene (C)

19.240min (+0.132) 0.08ng/ul

response 1477

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.20 | 13.74 |
| 100.00 | 8.10  | 11.15 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

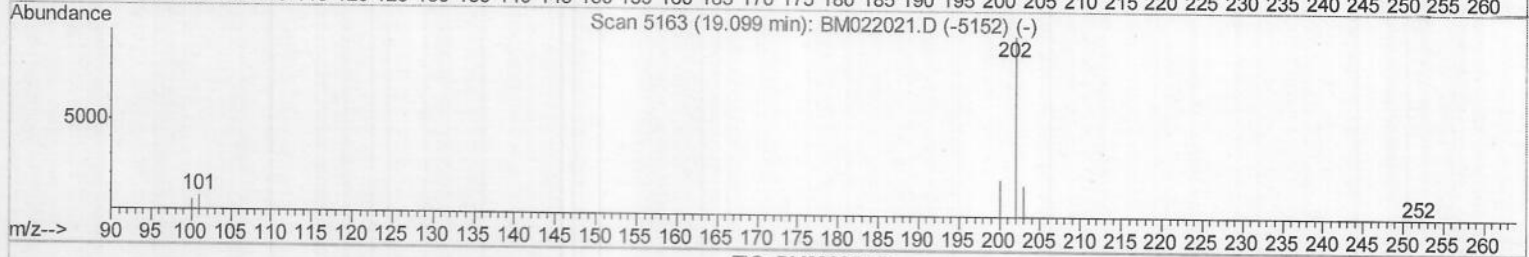
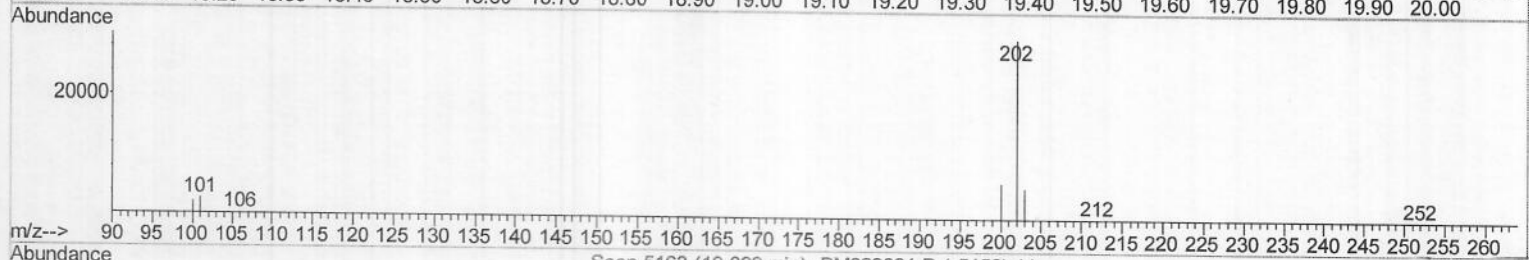
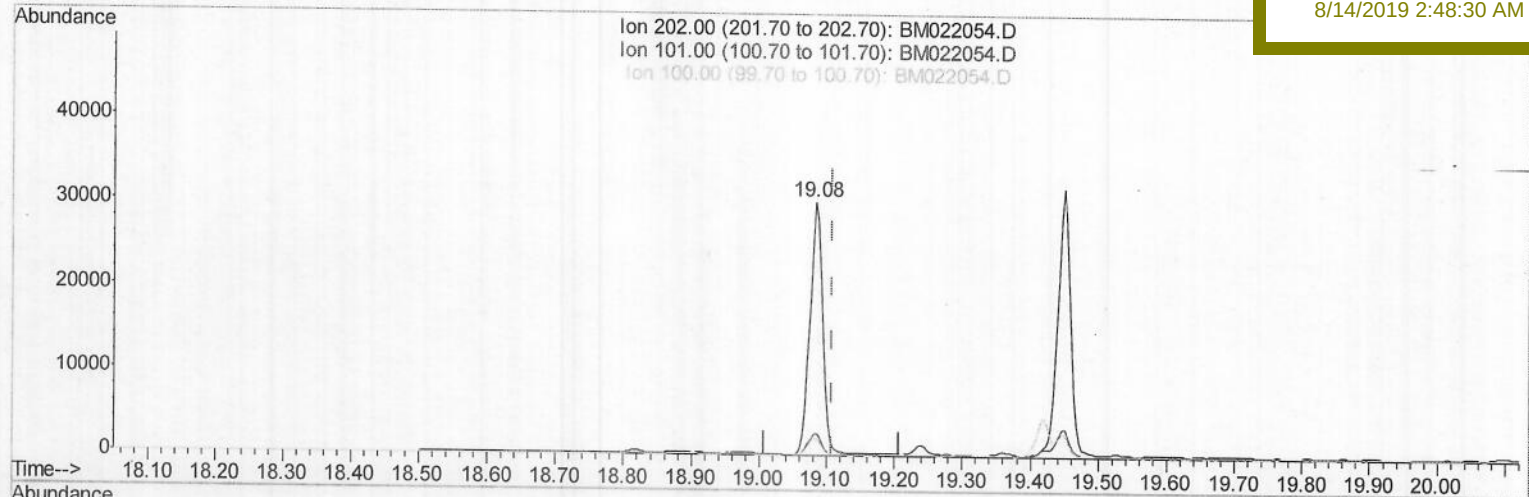
BENT5

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:30 AM



TIC: BM022054.D

(15) Fluoranthene (C)

19.083min (-0.024) 2.04ng/ul m

response 39777

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 8.88 |
| 100.00 | 8.10  | 6.91 |
| 0.00   | 0.00  | 0.00 |

JU  
08/17/19



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

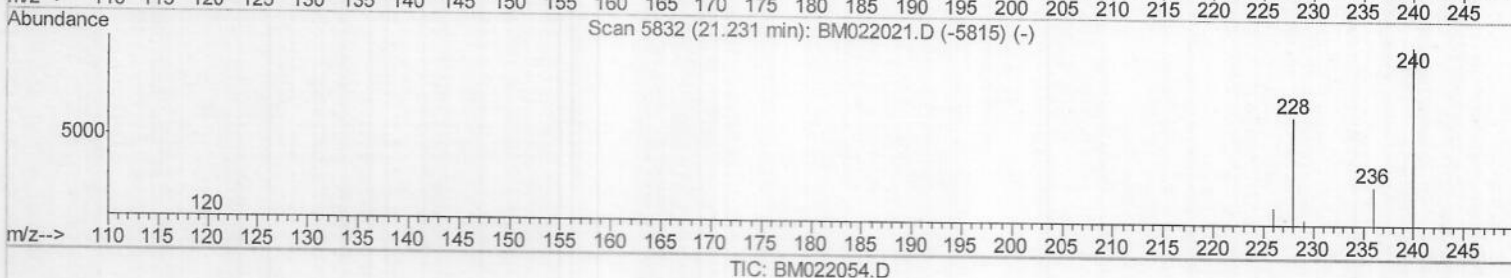
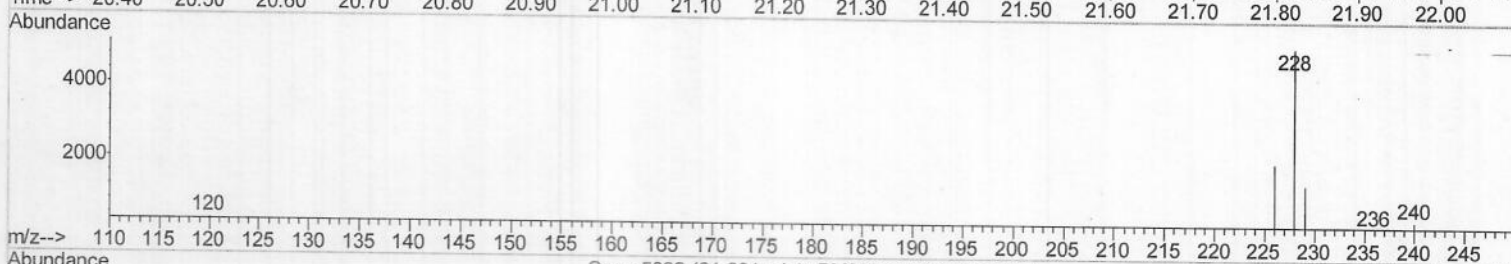
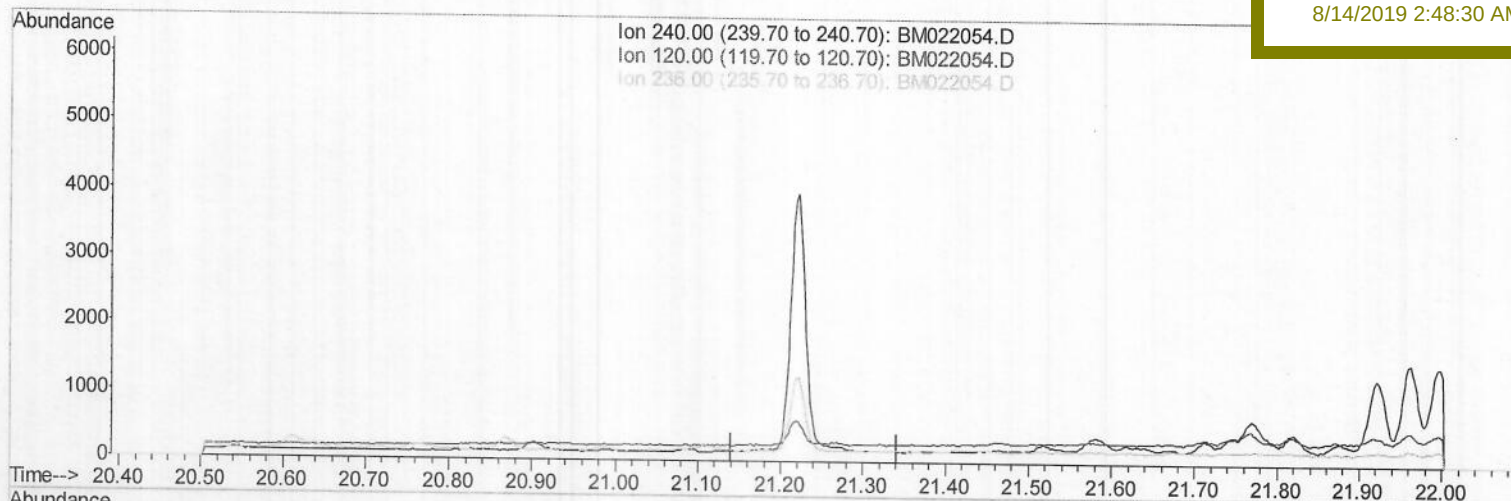
BENT5

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:30 AM



(16) Chrysene-d12 (I)

21.241min (-21.241) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 0.00  |
| 120.00 | 16.20 | 0.00# |
| 236.00 | 32.30 | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:16:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

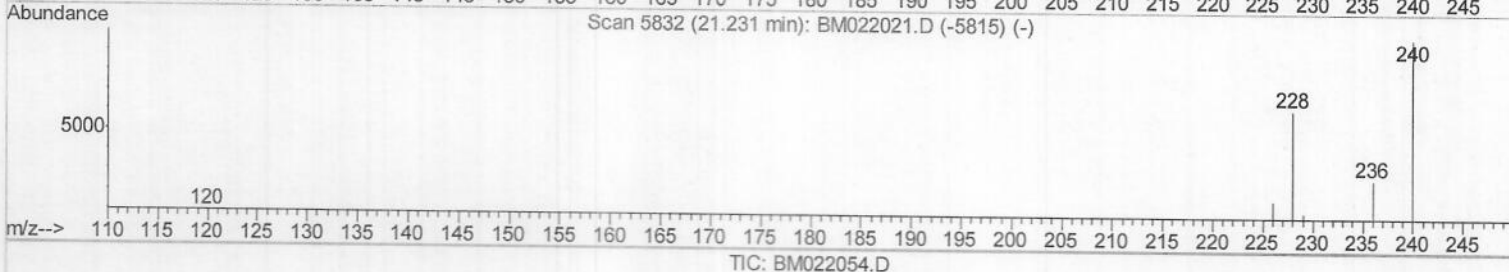
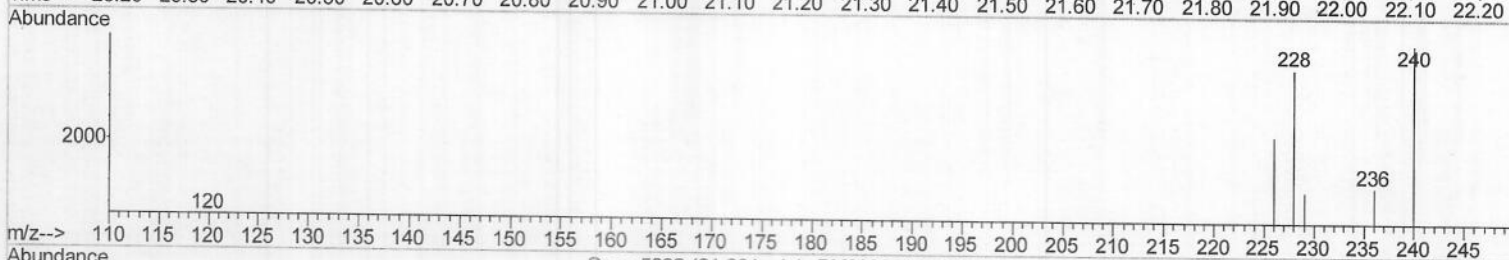
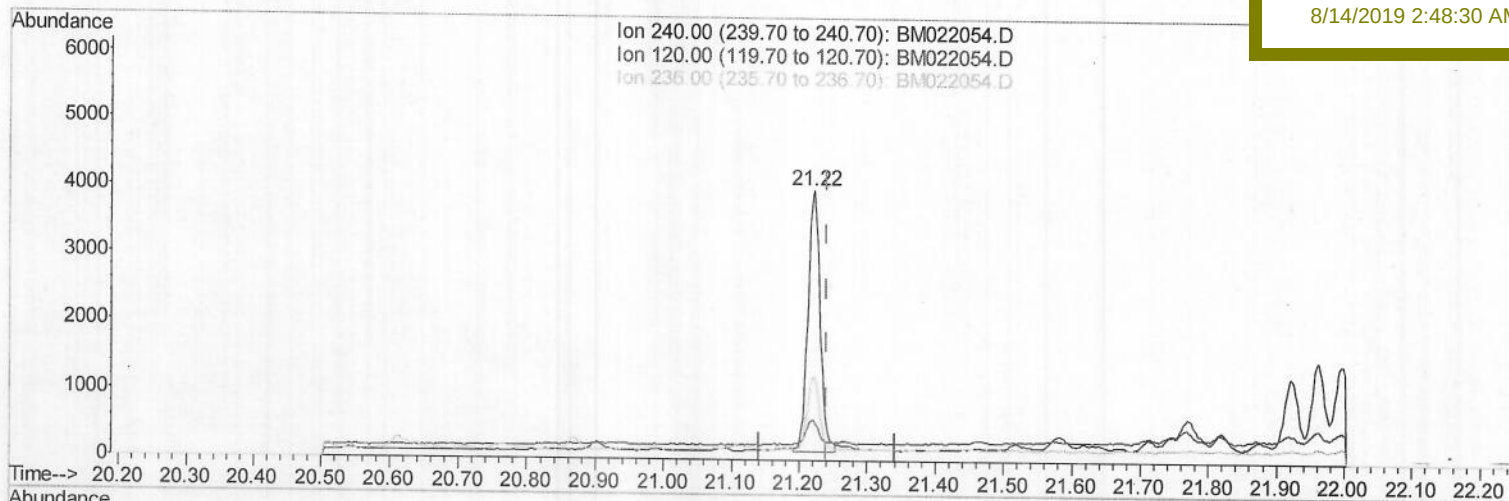
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENT5

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:30 AM

(16) Chrysene-d12 (I)

21.222min (-0.020) 0.40ng/ul m JU  
08/17/19

response 4813

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 16.20 | 14.58 |
| 236.00 | 32.30 | 31.38 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022054.D

Acq On : 13 Aug 2019 05:21

Operator : HP/JU

Sample : K4041-11

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:19:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 08:25:01 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

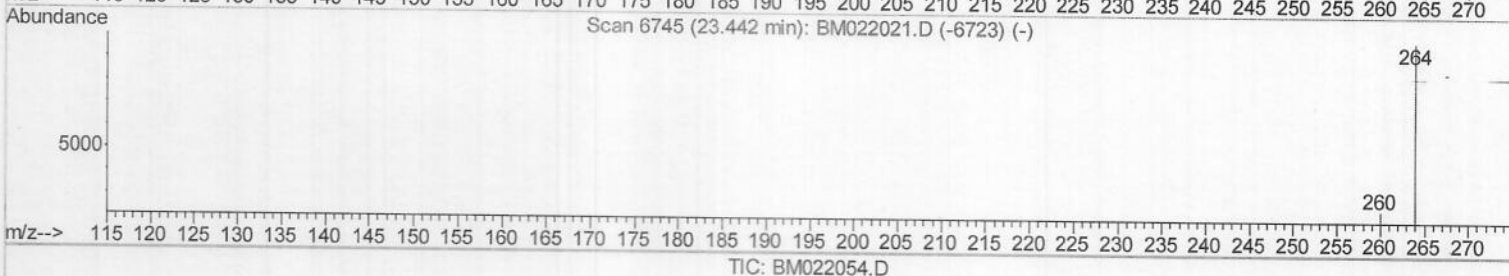
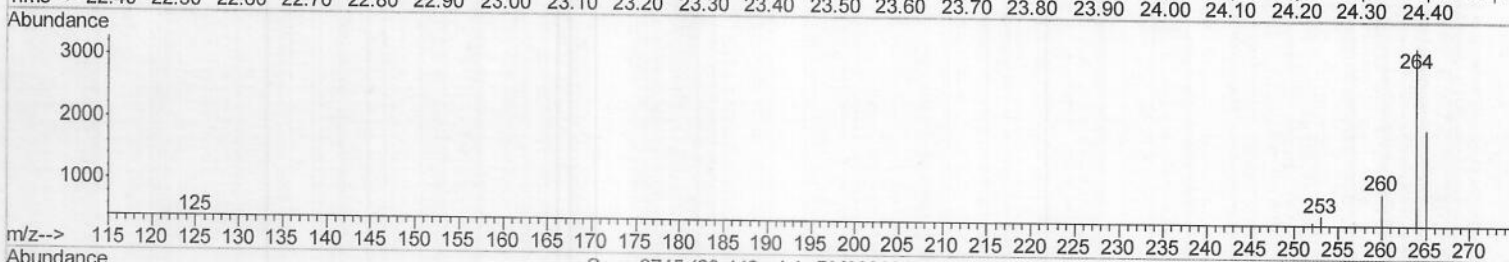
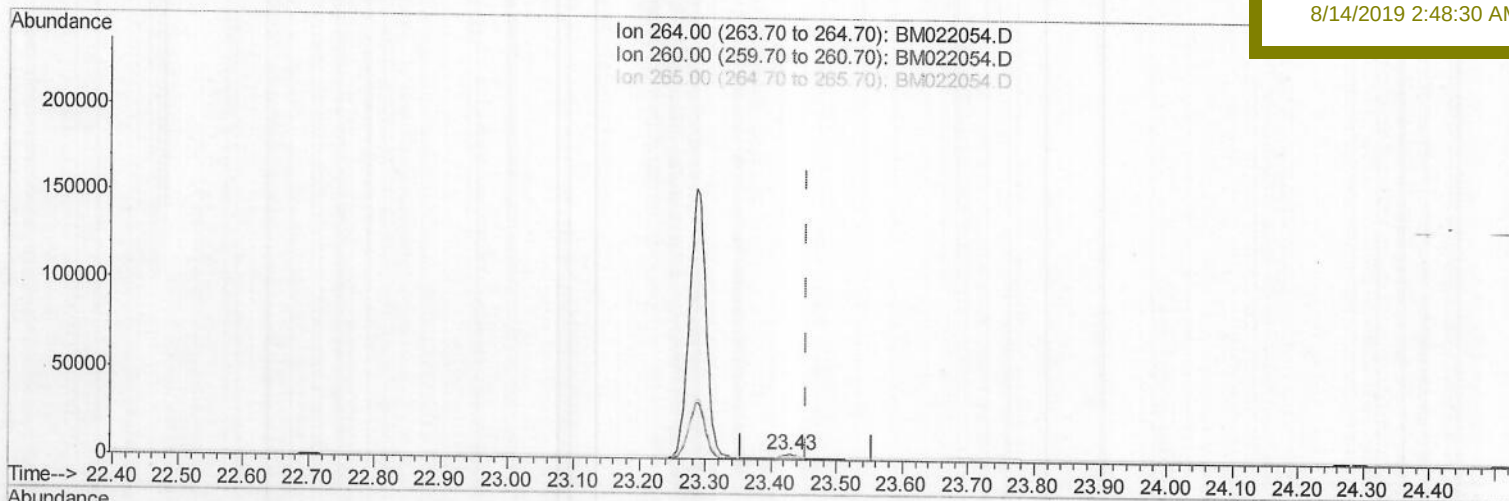
BENT5

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:30 AM



TIC: BM022054.D

(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul

response 6216

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 27.87  |
| 265.00 | 117.00 | 59.87# |
| 0.00   | 0.00   | 0.00   |



# Quantitation Report (Qedit)

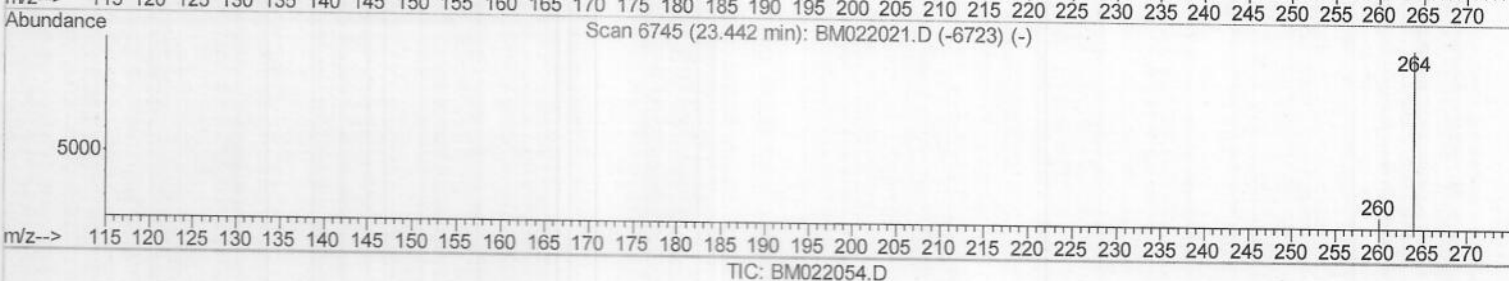
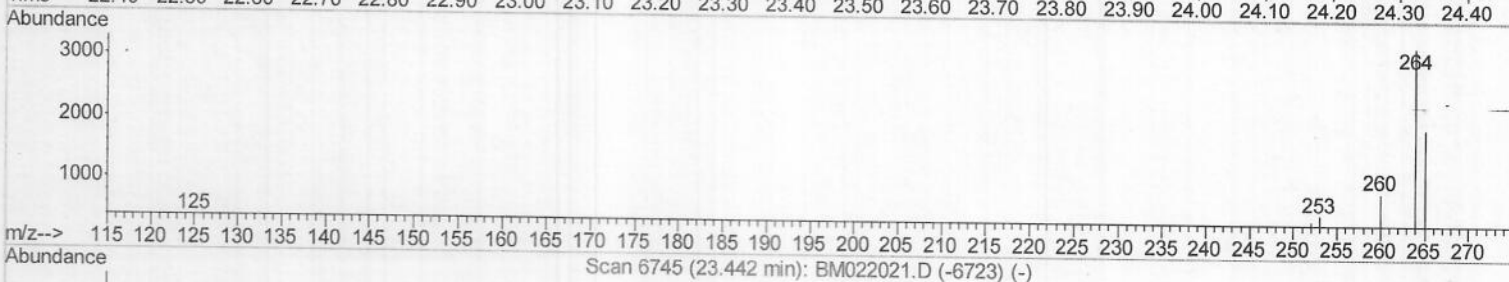
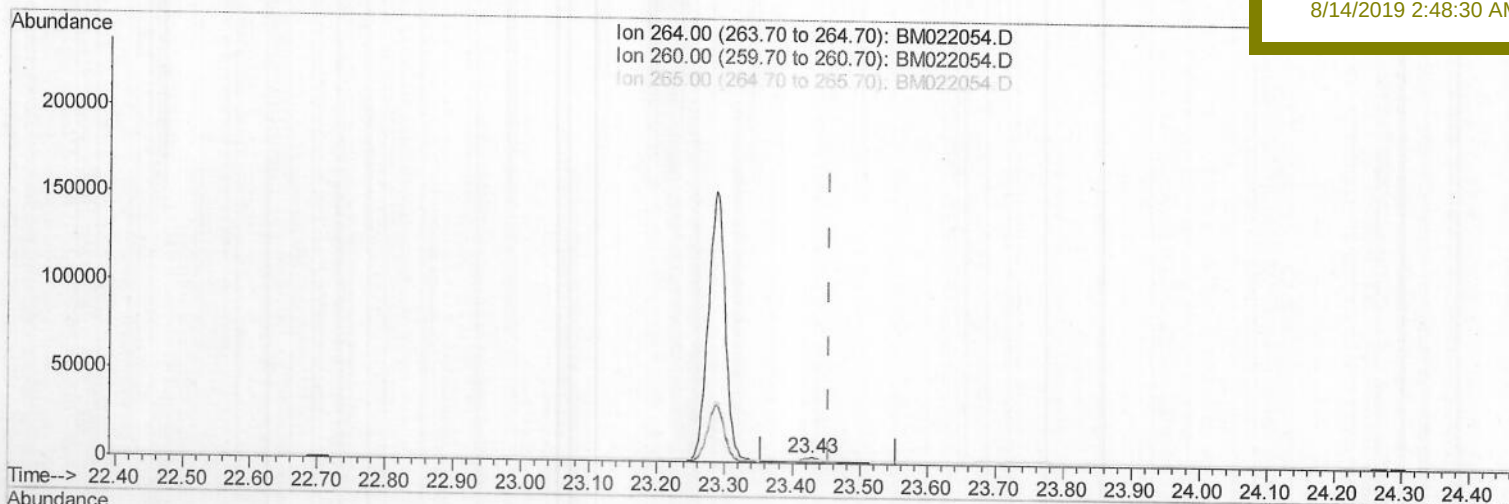
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENT5

Manual Integrations  
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 8/14/2019 2:48:30 AM

Quant Time: Aug 13 09:19:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul m

response 4929

JU  
 08/17/19

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 27.87  |
| 265.00 | 117.00 | 59.87# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

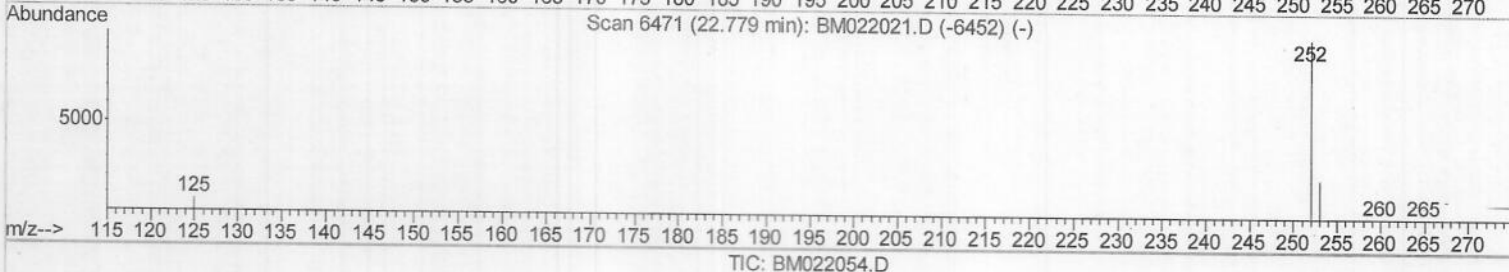
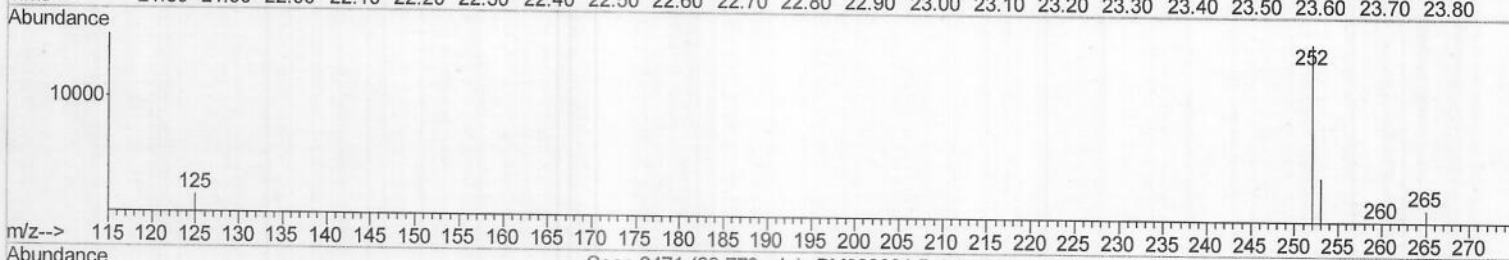
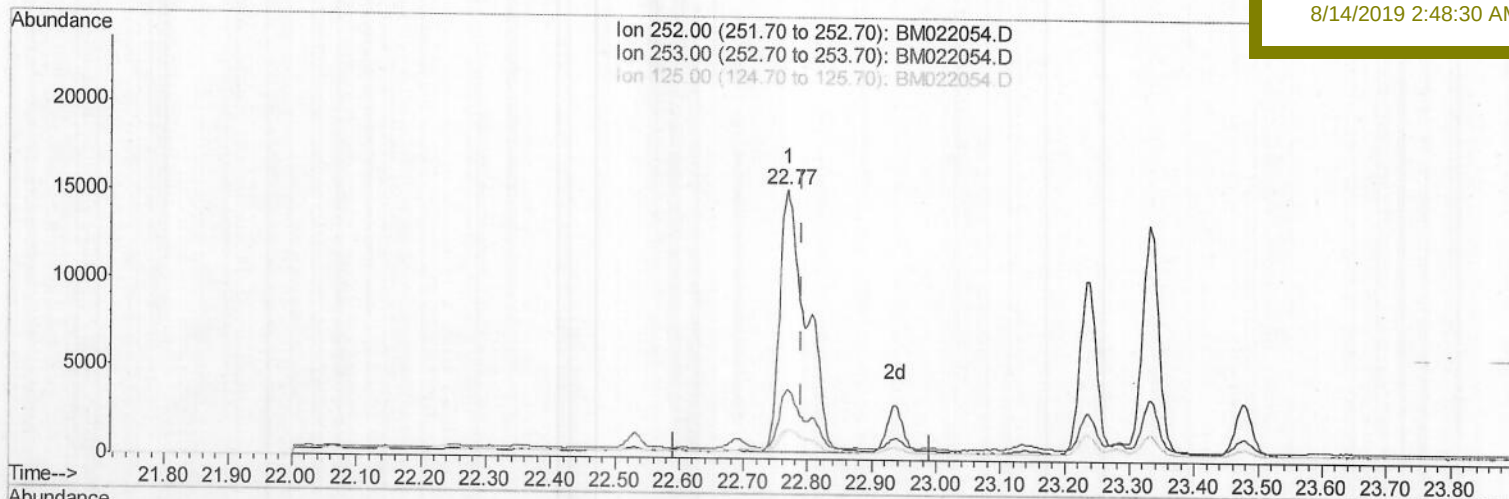
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:20:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampled :  
 BENT5

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:30 AM



(21) Benzo(b)fluoranthene  
 22.769min (-0.022) 2.61ng/ul  
 response 43381

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 25.44 |
| 125.00 | 15.50 | 10.75 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

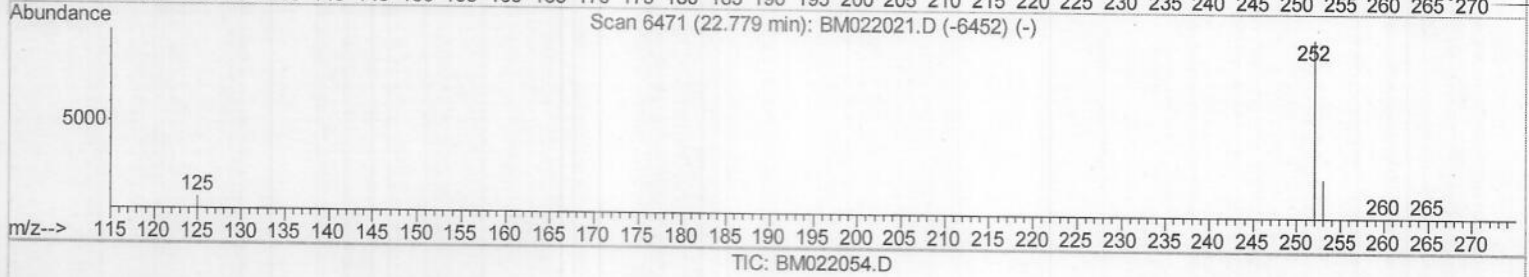
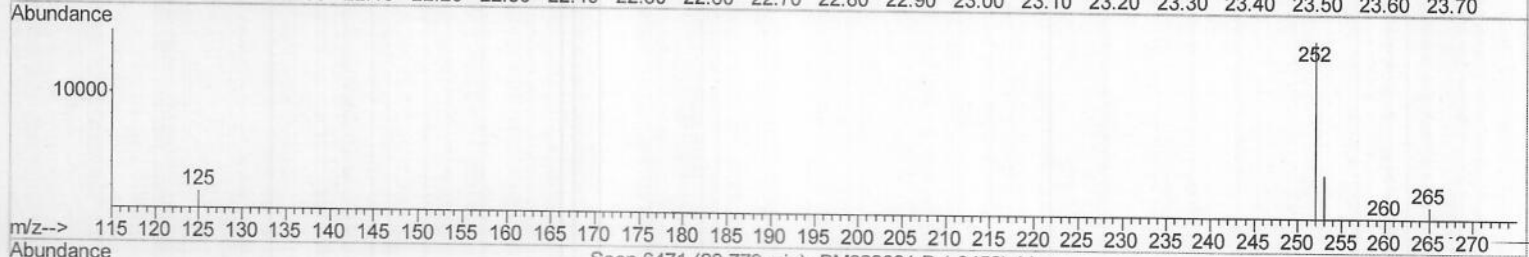
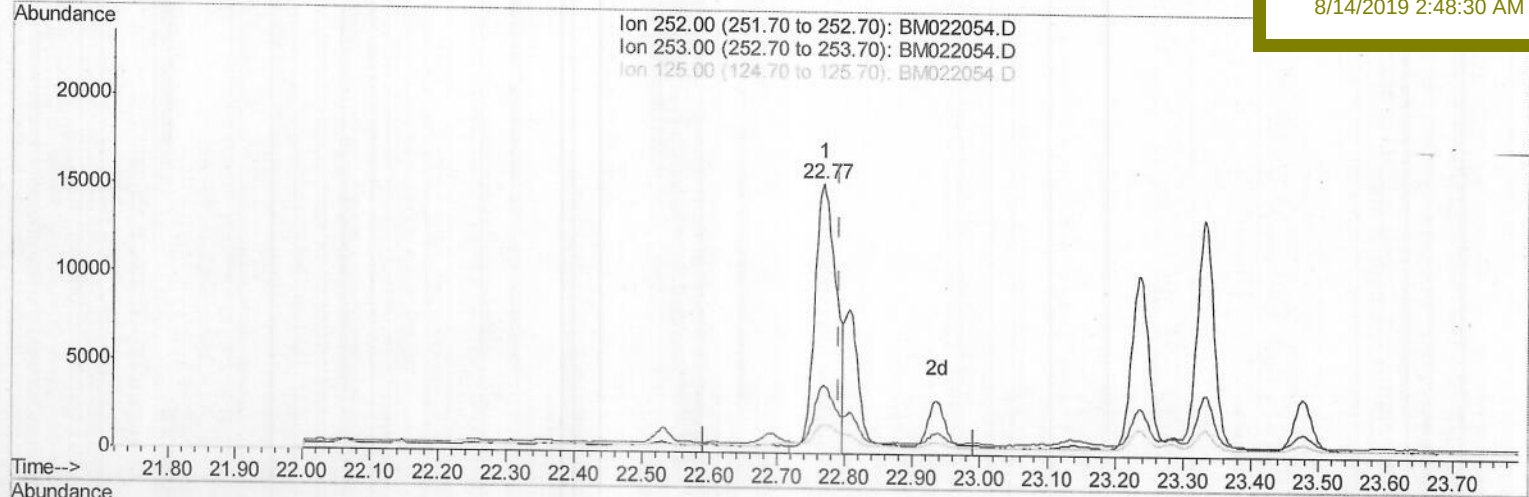
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:20:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENT5

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:30 AM



(21) Benzo(b)fluoranthene

22.769min (-0.022) 2.01ng/ul m

response 33429

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 25.44 |
| 125.00 | 15.50 | 10.75 |
| 0.00   | 0.00  | 0.00  |

JU  
 08/14/19



# Quantitation Report (Qedit)

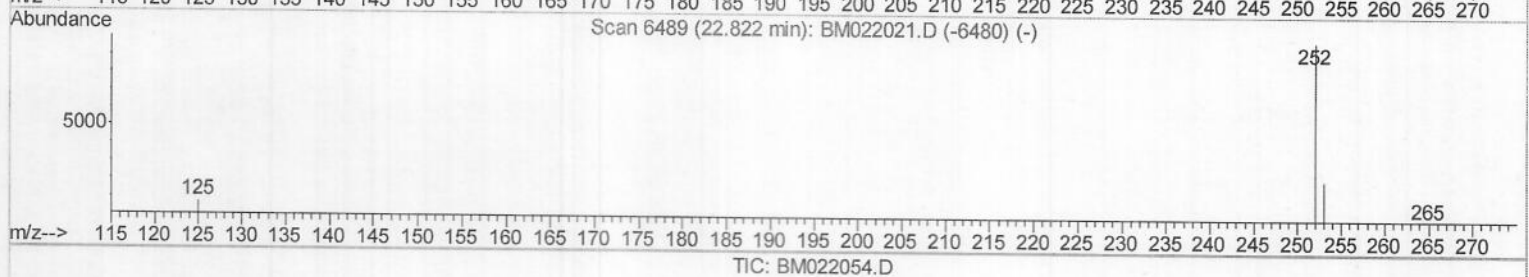
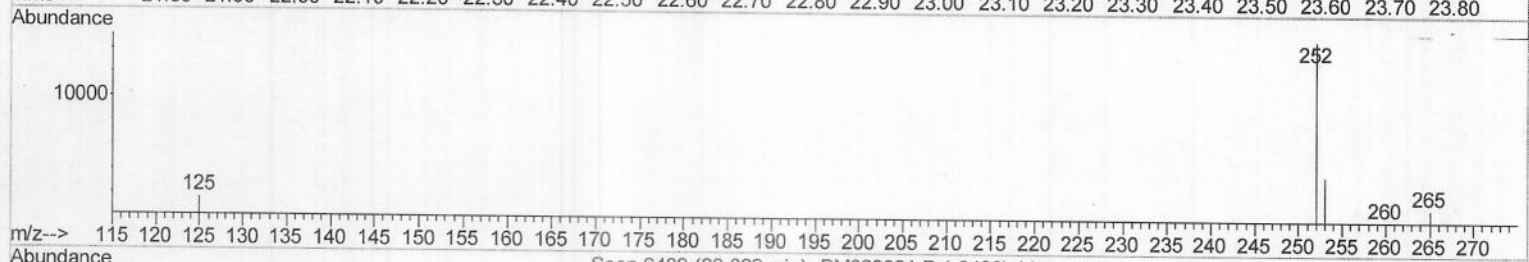
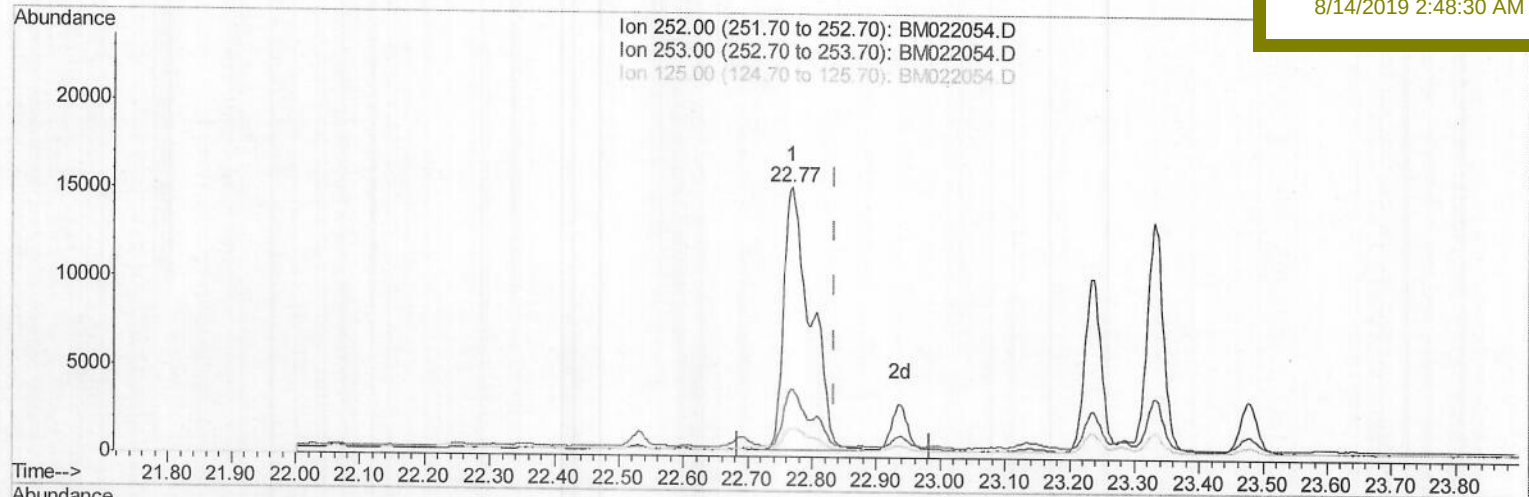
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:20:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENT5

Manual Integrations  
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(22) Benzo(k)fluoranthene  
 22.769min (-0.066) 2.31ng/ul  
 response 43370

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 25.44# |
| 125.00 | 15.20 | 10.75# |
| 0.00   | 0.00  | 0.00   |

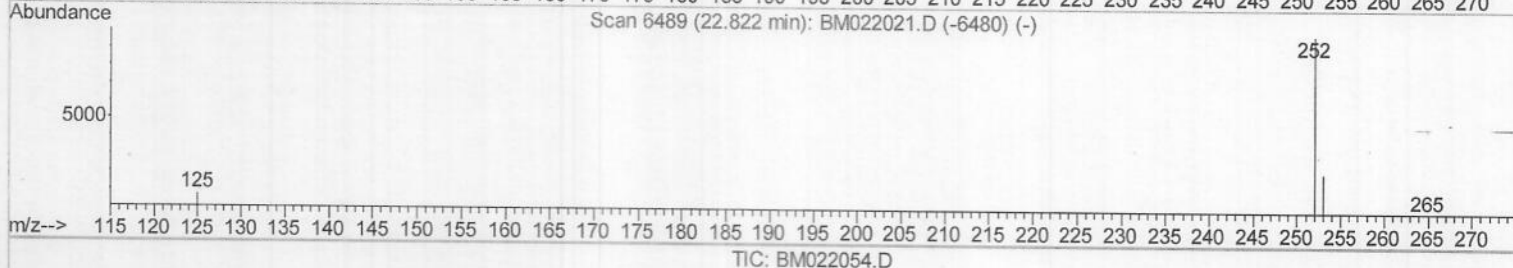
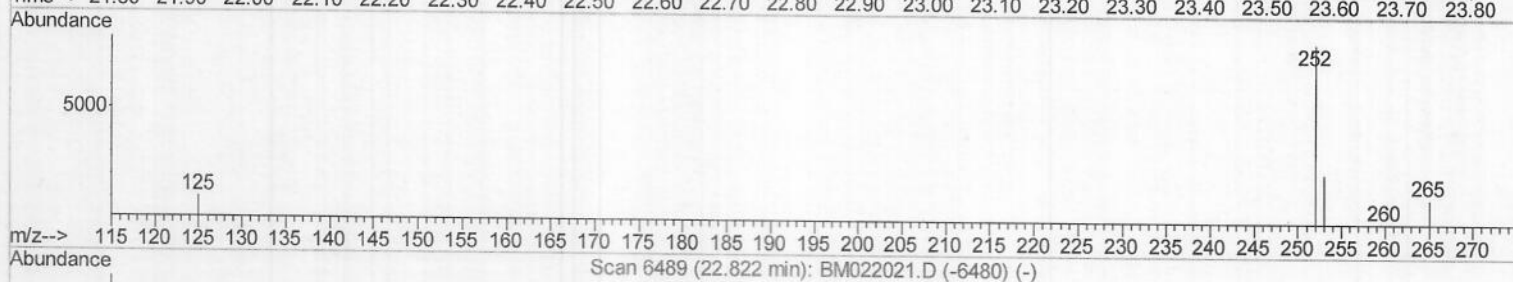
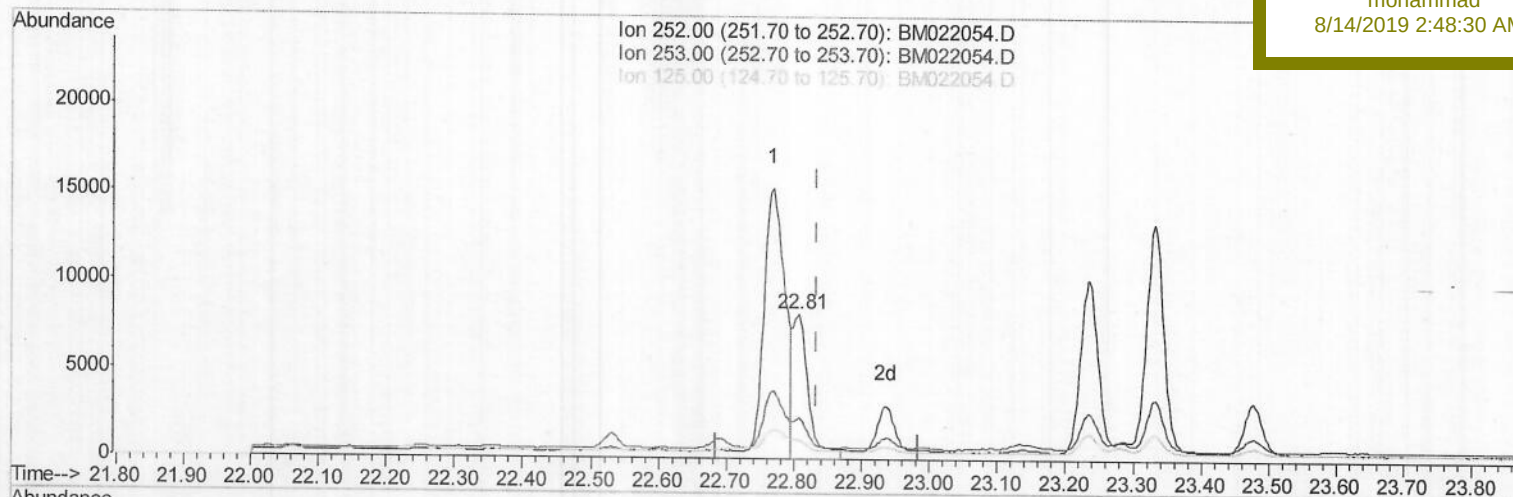
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022054.D  
Acq On : 13 Aug 2019 05:21  
Operator : HP/JU  
Sample : K4041-11  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 13 09:20:25 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 08:25:01 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampled :  
BENT5

Manual Integrations  
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(22) Benzo(k)fluoranthene

22.808min (-0.027) 0.72ng/ul m

response 13467

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 28.45 |
| 125.00 | 15.20 | 13.01 |
| 0.00   | 0.00  | 0.00  |

JU  
08/17/19



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022054.D  
 Acq On : 13 Aug 2019 05:21  
 Operator : HP/JU  
 Sample : K4041-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENT5

Quant Time: Aug 13 09:21:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 8/14/2019 2:48:30 AM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 1012     | 0.40 | ng/ul | -0.02     |
| 2) Naphthalene-d8         | 10.38 | 136  | 4087     | 0.40 | ng/ul | -0.03     |
| 6) Acenaphthene-d10       | 14.26 | 164  | 2150     | 0.40 | ng/ul | -0.02     |
| 10) Phenanthrene-d10      | 17.01 | 188  | 4995m    | 0.40 | ng/ul | -0.03     |
| 16) Chrysene-d12          | 21.22 | 240  | 4813m    | 0.40 | ng/ul | -0.02     |
| 20) Perylene-d12          | 23.43 | 264  | 4929m    | 0.40 | ng/ul | -0.03     |

|                             |       |     |       |      |       |       |
|-----------------------------|-------|-----|-------|------|-------|-------|
| System Monitoring Compounds |       |     |       |      |       |       |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152 | 1337  | 0.20 | ng/ul | -0.02 |
| 14) Fluoranthene-d10        | 19.05 | 212 | 3627m | 0.22 | ng/ul | -0.02 |

|                            |       |     |        |       |        |        |
|----------------------------|-------|-----|--------|-------|--------|--------|
| Target Compounds           |       |     |        |       |        | Qvalue |
| 3) Naphthalene             | 10.43 | 128 | 1124   | 0.097 | ng/ul# | 92     |
| 5) 2-Methylnaphthalene     | 12.07 | 142 | 411    | 0.053 | ng/ul  | 94     |
| 7) Acenaphthylene          | 13.98 | 152 | 3775   | 0.376 | ng/ul# | 83     |
| 8) Acenaphthene            | 14.32 | 153 | 514    | 0.063 | ng/ul  | 94     |
| 9) Fluorene                | 15.32 | 166 | 838    | 0.092 | ng/ul# | 94     |
| 12) Phenanthrene           | 17.06 | 178 | 15677m | 1.079 | ng/ul  |        |
| 13) Anthracene             | 17.15 | 178 | 5405m  | 0.436 | ng/ul  |        |
| 15) Fluoranthene           | 19.08 | 202 | 39777m | 2.043 | ng/ul  |        |
| 17) Pyrene                 | 19.45 | 202 | 42515  | 2.150 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.20 | 228 | 19552  | 1.136 | ng/ul  | 97     |
| 19) Chrysene               | 21.26 | 228 | 24249  | 1.095 | ng/ul  | 97     |
| 21) Benzo(b)fluoranthene   | 22.77 | 252 | 33429m | 2.011 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.81 | 252 | 13467m | 0.716 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.33 | 252 | 22967  | 1.359 | ng/ul# | 80     |
| 24) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 17826  | 0.883 | ng/ul# | 93     |
| 25) Dibenzo(a,h)anthracene | 25.64 | 278 | 4163   | 0.255 | ng/ul# | 85     |
| 26) Benzo(g,h,i)perylene   | 26.31 | 276 | 17616  | 0.970 | ng/ul  | 98     |

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