

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:26:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

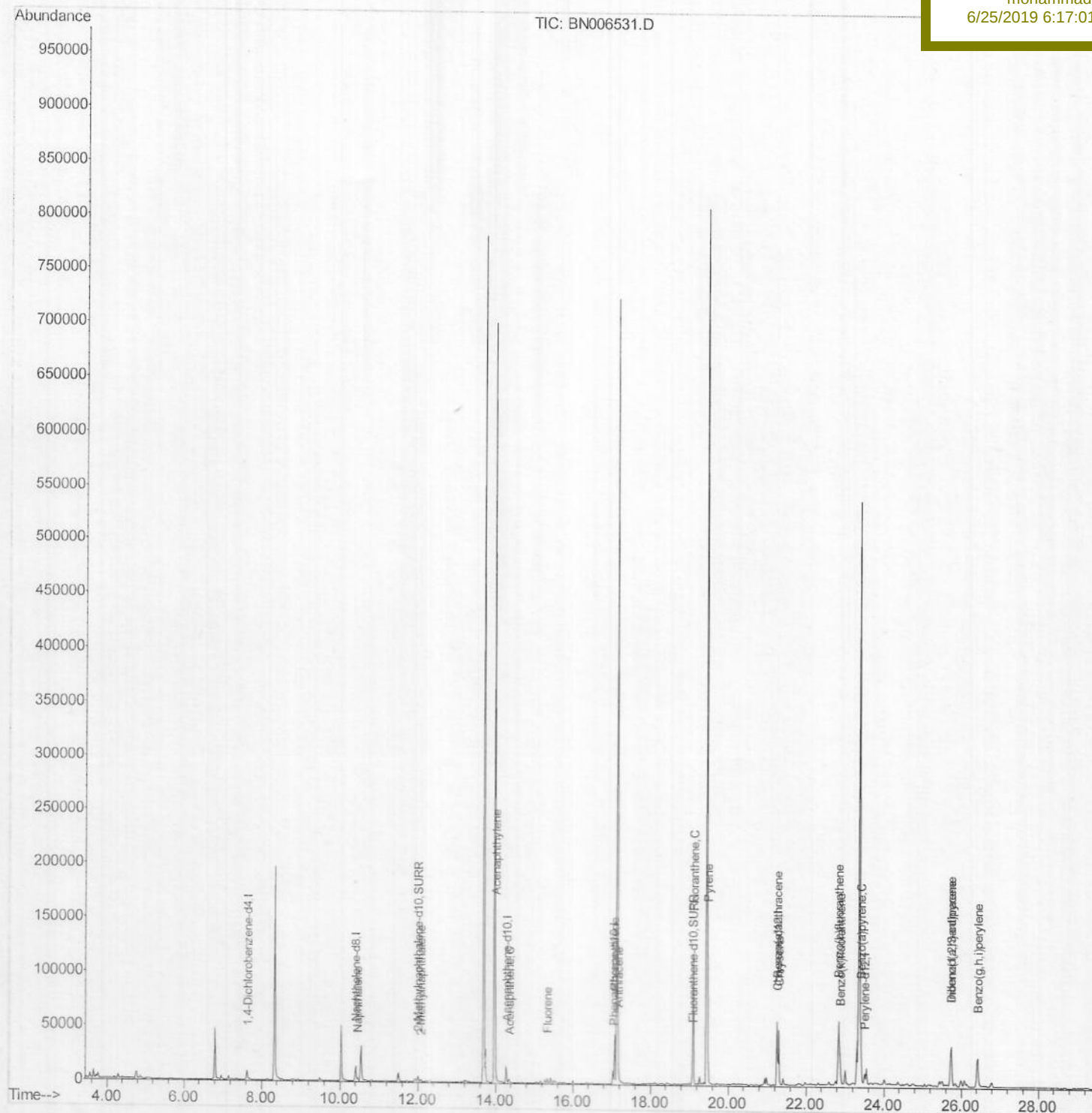
Response via : Initial Calibration

Instrument :

BNA\_N

Client Sample ID :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 00:44:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

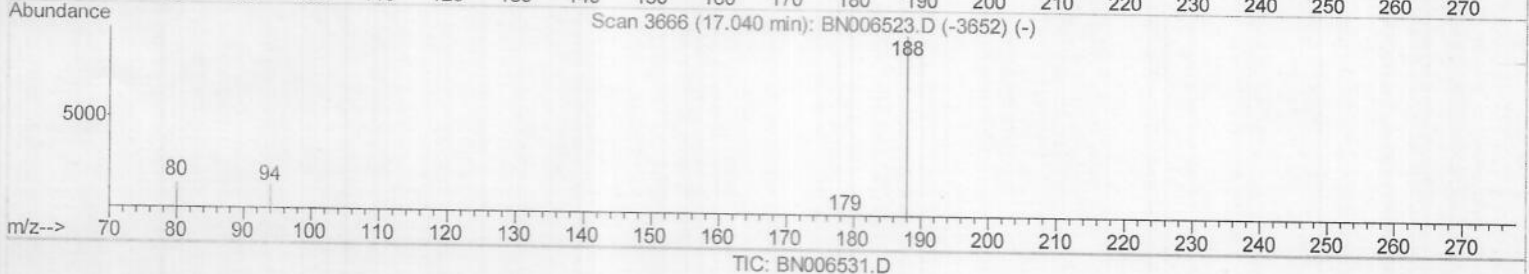
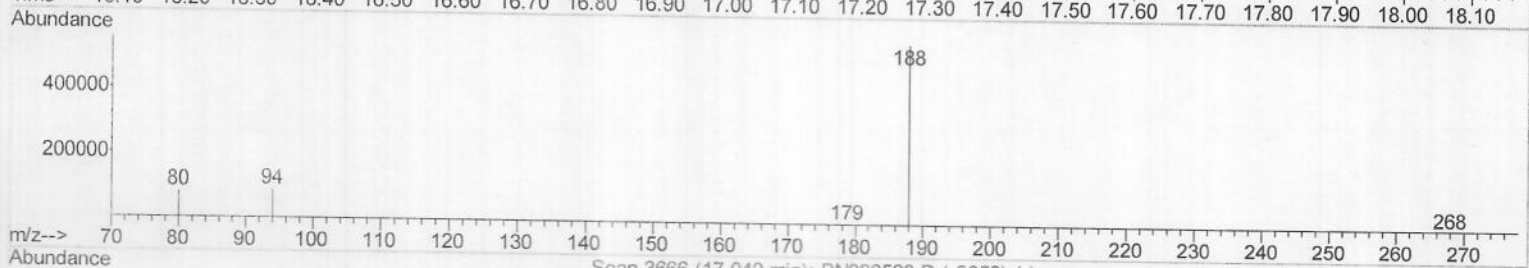
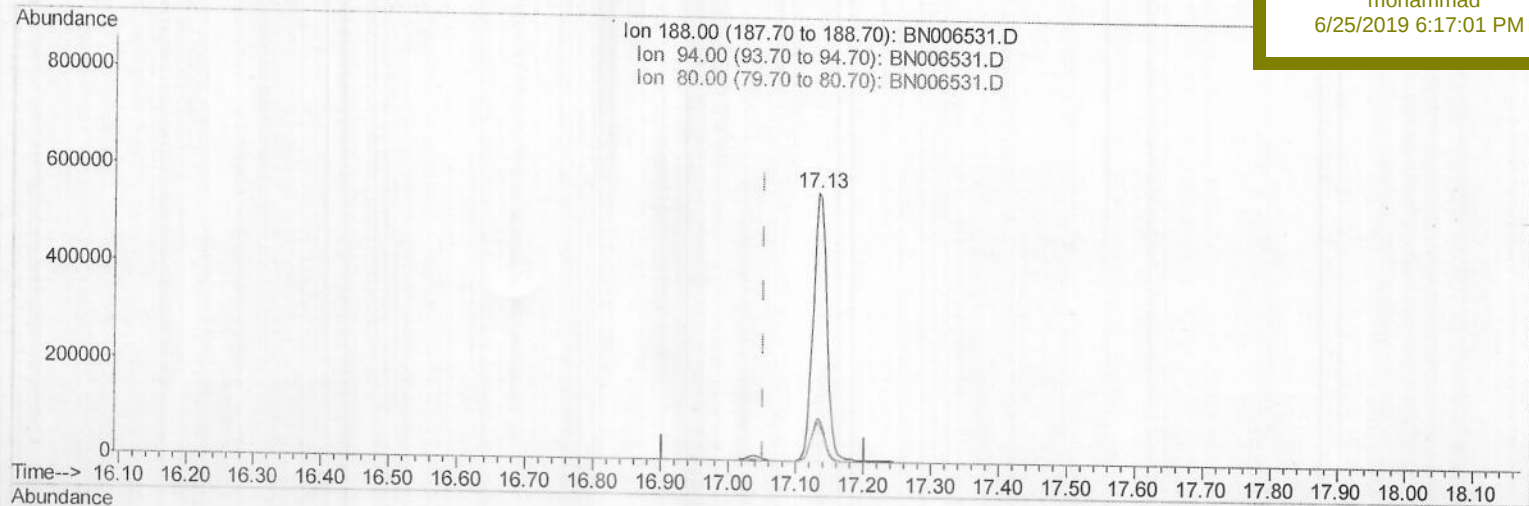
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(10) Phenanthrene-d10 (I)

17.133min (+0.080) 0.40ng/ul

response 798470

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 13.00 | 15.84# |
| 80.00  | 13.60 | 14.53  |
| 0.00   | 0.00  | 0.00   |

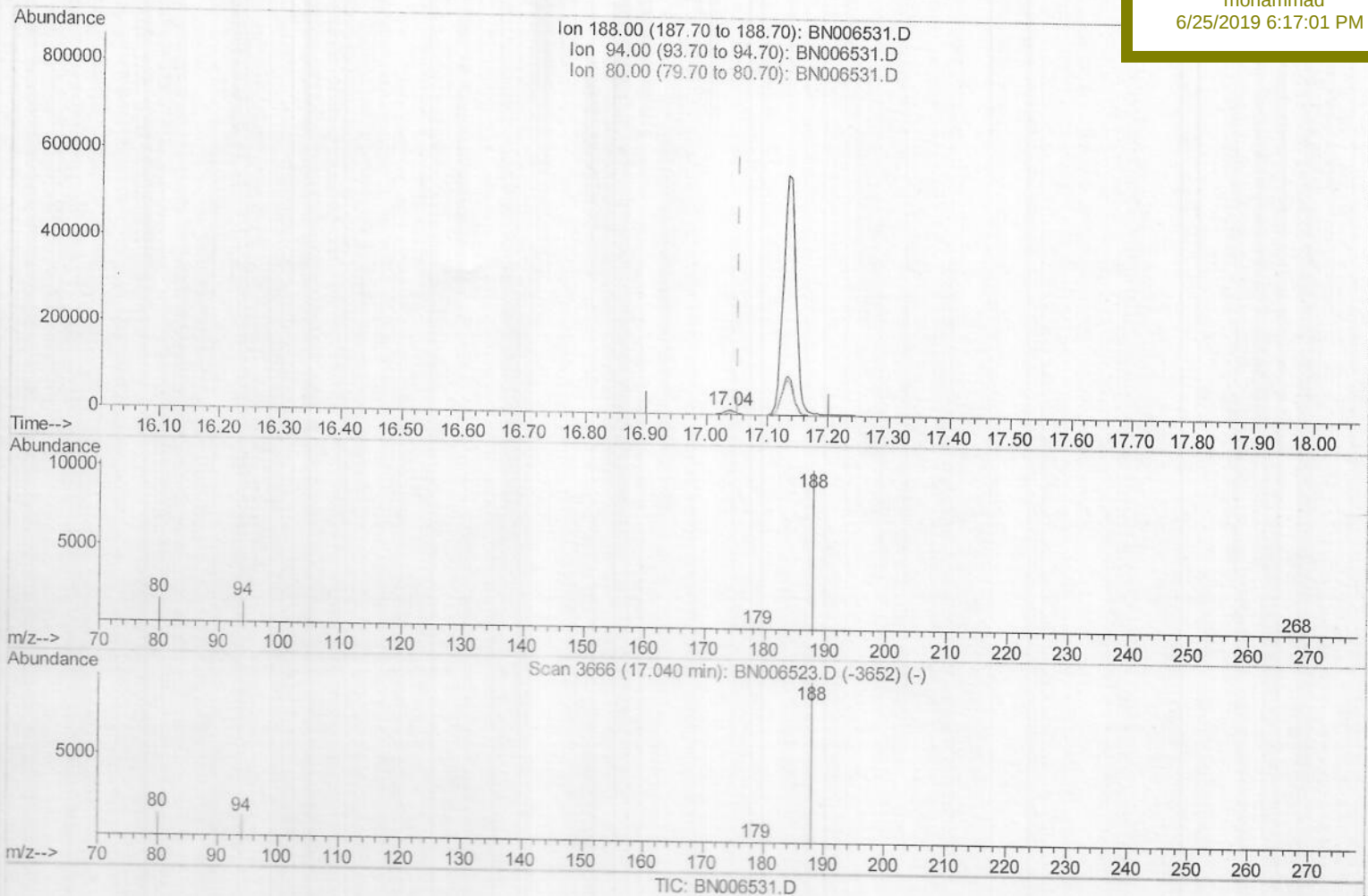
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
Data File : BN006531.D  
Acq On : 24 Jun 2019 15:19  
Operator : HP/JU  
Sample : K3362-15  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 00:44:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampleId :  
A4206

Manual Integrations  
APPROVED

mohammad  
6/25/2019 6:17:01 PM



(10) Phenanthrene-d10 (I)

17.036min (-0.017) 0.40ng/ul m

> JU 06/26/19

response 14957

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 14.19 |
| 80.00  | 13.60 | 15.77 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

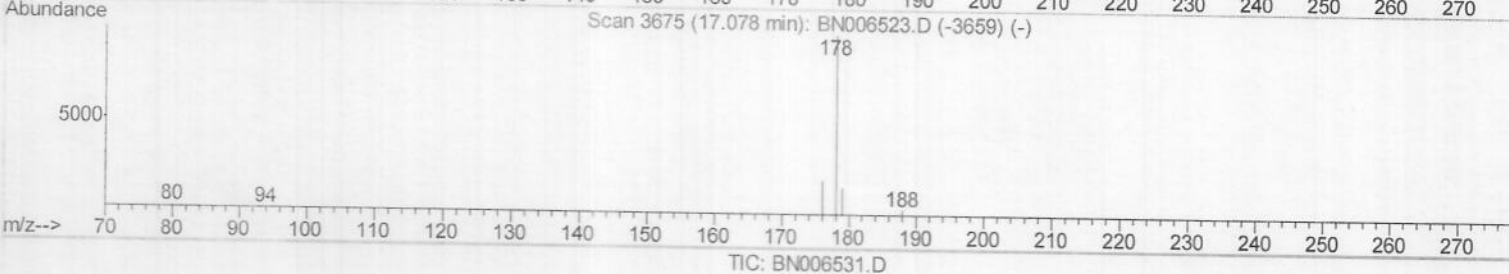
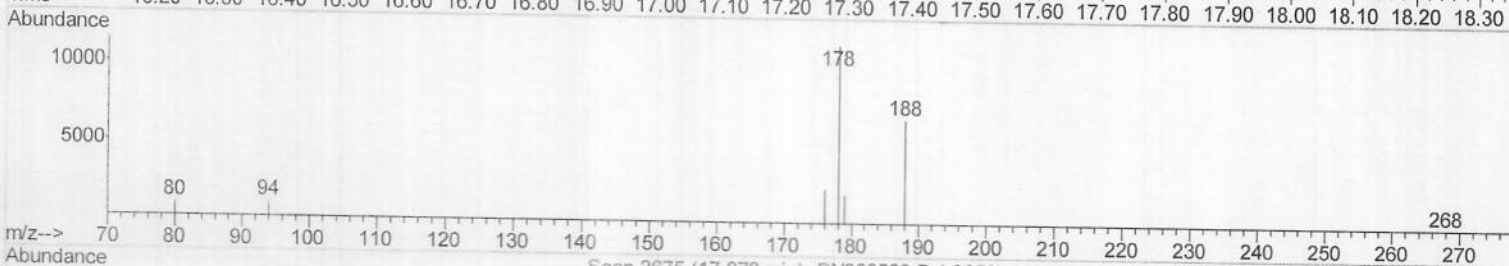
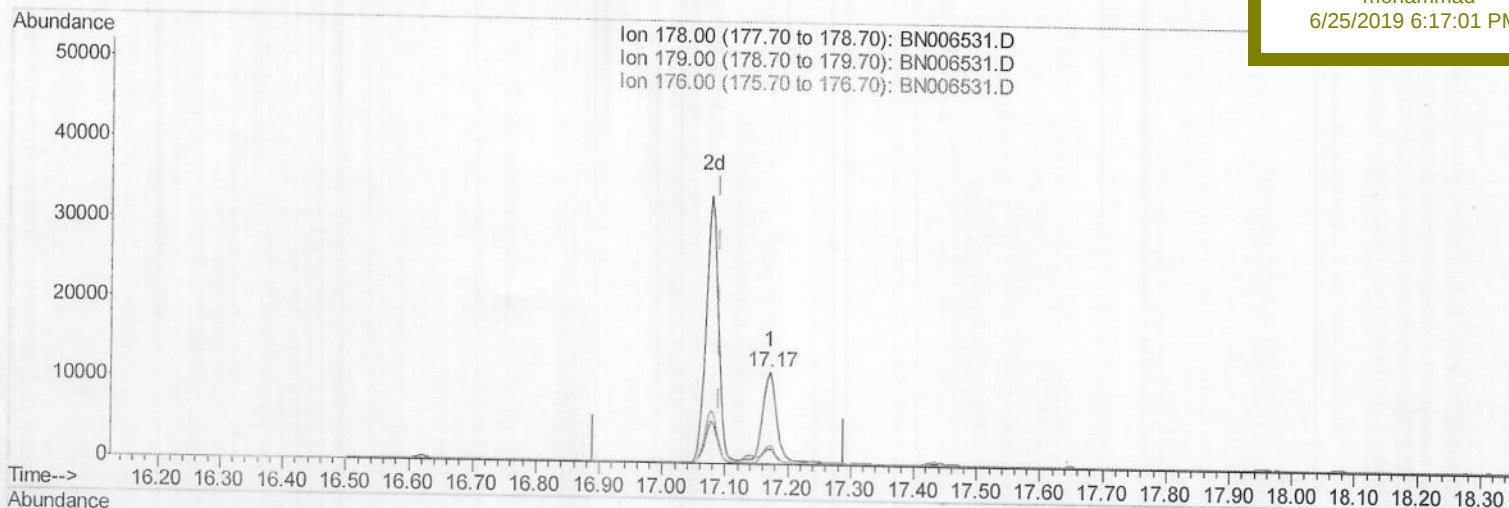
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006531.D  
 Acq On : 24 Jun 2019 15:19  
 Operator : HP/JU  
 Sample : K3362-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4206

Manual Integrations  
 APPROVED

mohammad  
 6/25/2019 6:17:01 PM



(12) Phenanthrene

17.171min (+0.080) 0.38ng/ul

response 18466

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 16.38 |
| 176.00 | 19.10 | 19.68 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

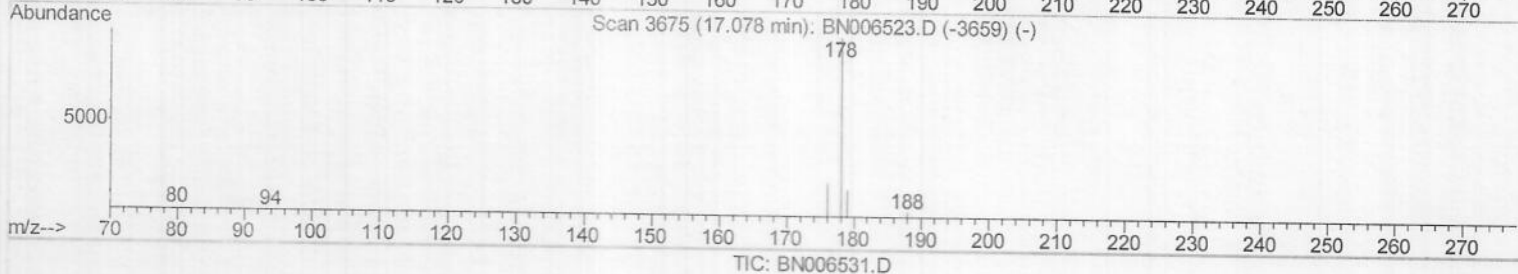
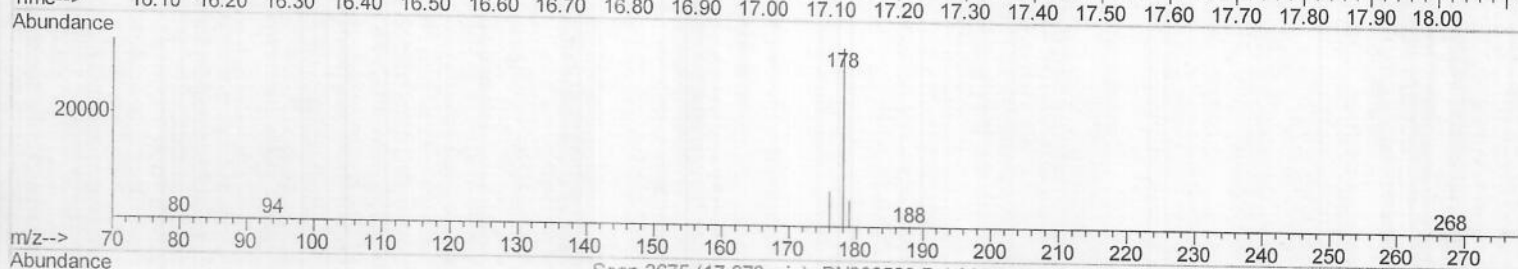
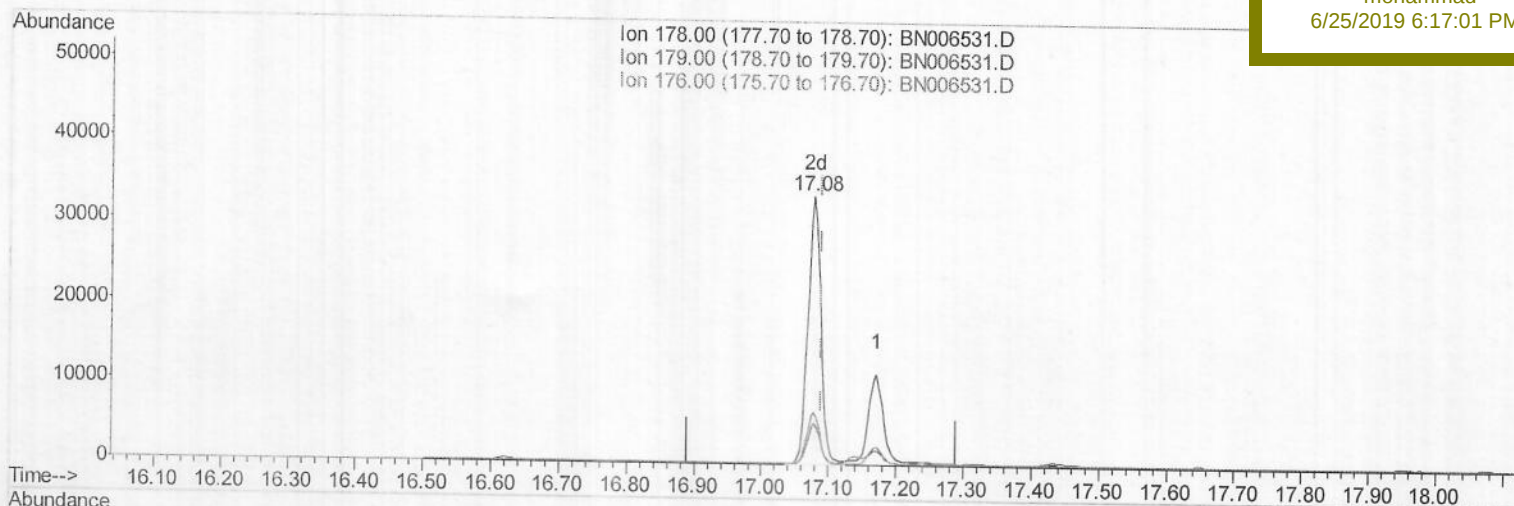
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006531.D  
 Acq On : 24 Jun 2019 15:19  
 Operator : HP/JU  
 Sample : K3362-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_N  
 ClientSampled :  
 A4206

Manual Integrations  
 APPROVED

mohammad  
 6/25/2019 6:17:01 PM



(12) Phenanthrene

17.078min (-0.012) 0.96ng/ul m

> JU 06/26/19

response 45964

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 15.42 |
| 176.00 | 19.10 | 19.67 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

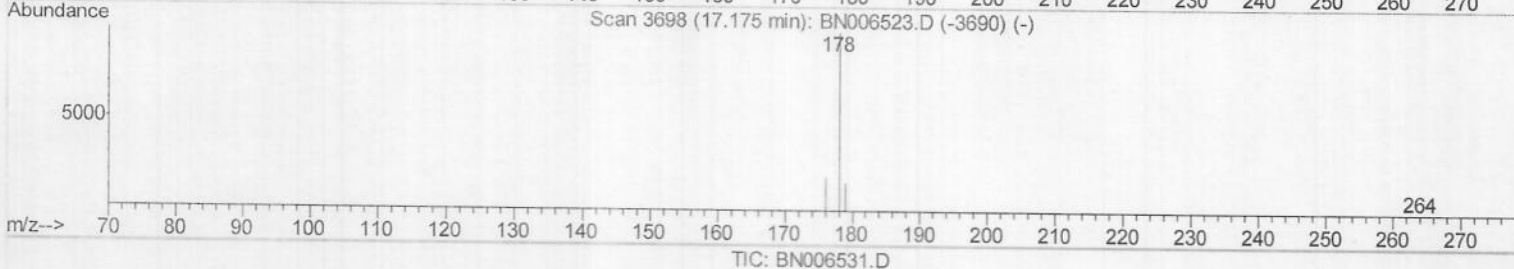
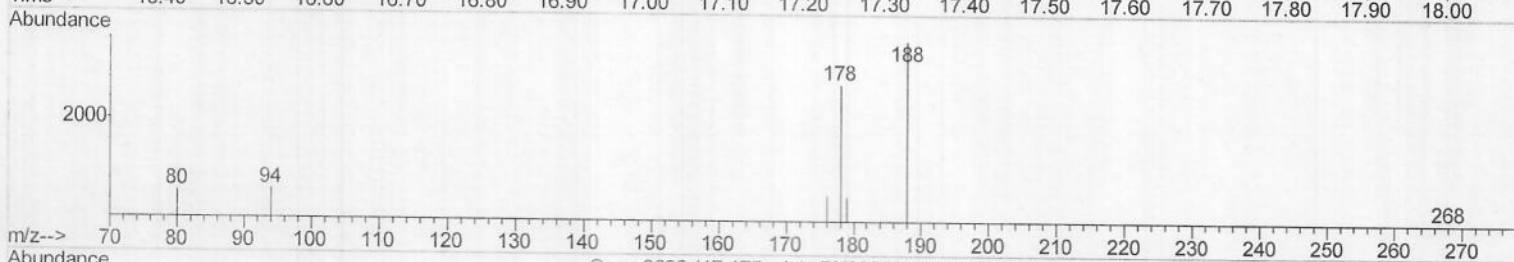
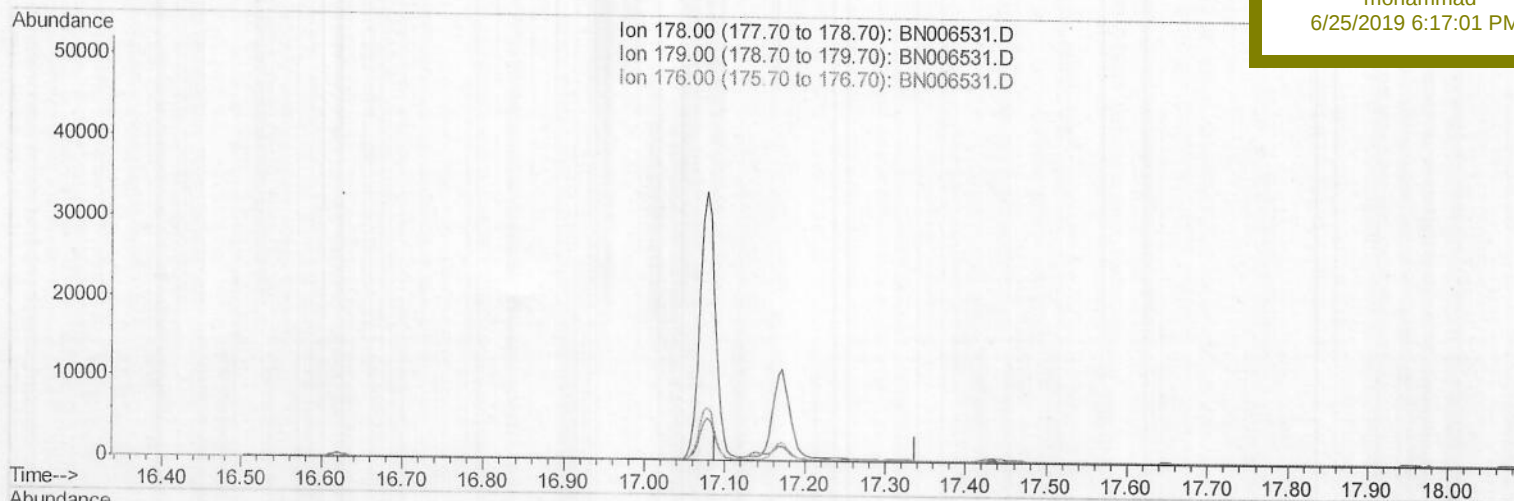
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(13) Anthracene

17.187min (-17.187) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 0.00  |
| 179.00 | 15.30 | 0.00# |
| 176.00 | 18.90 | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

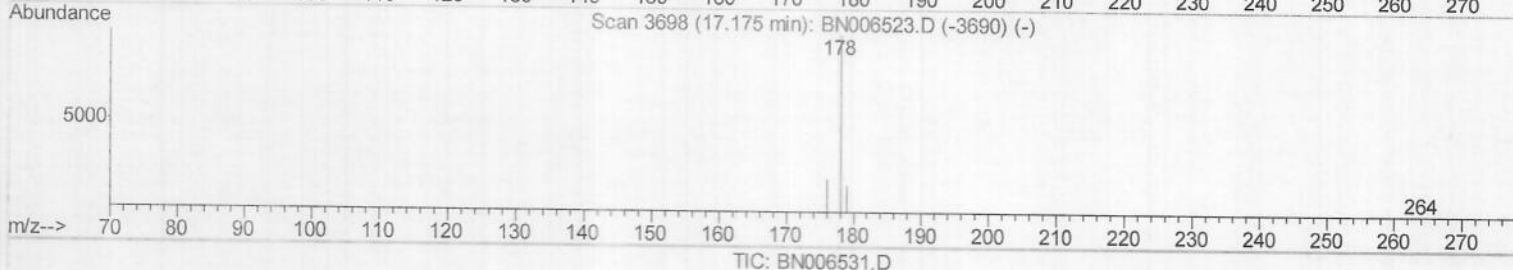
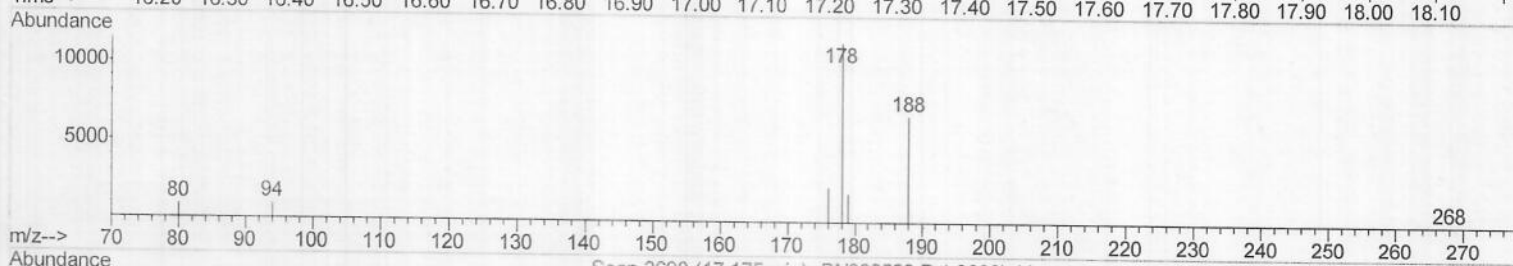
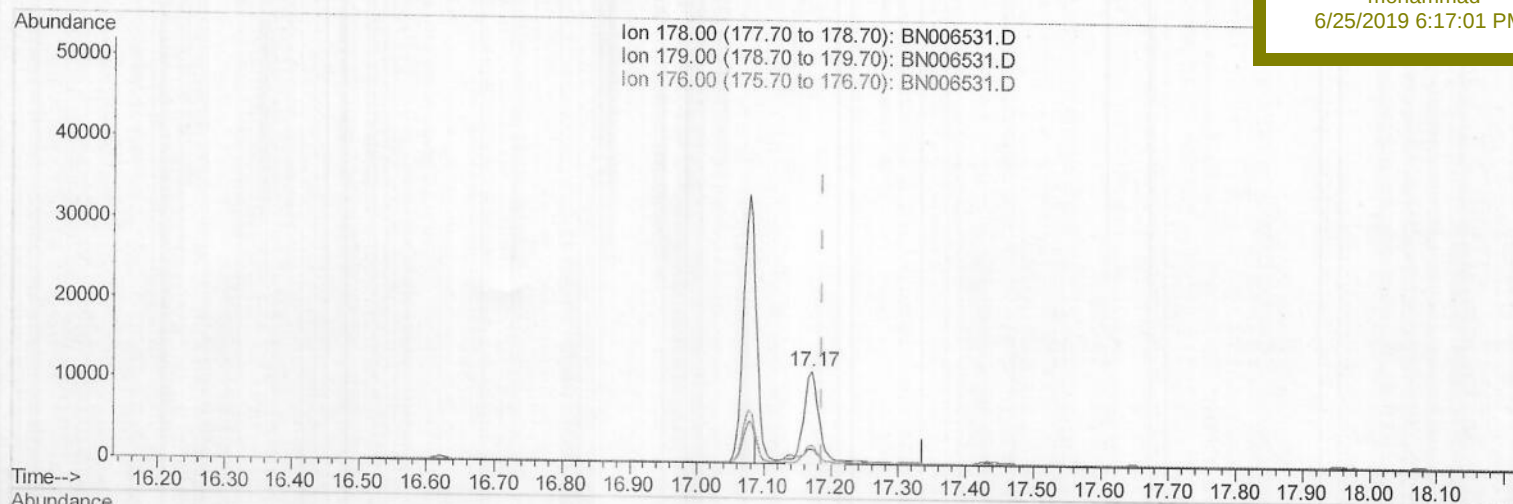
Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(13) Anthracene

17.171min (-0.017) 0.40ng/ul m

JU 06/26/19

response 18243

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 16.38 |
| 176.00 | 18.90 | 19.68 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

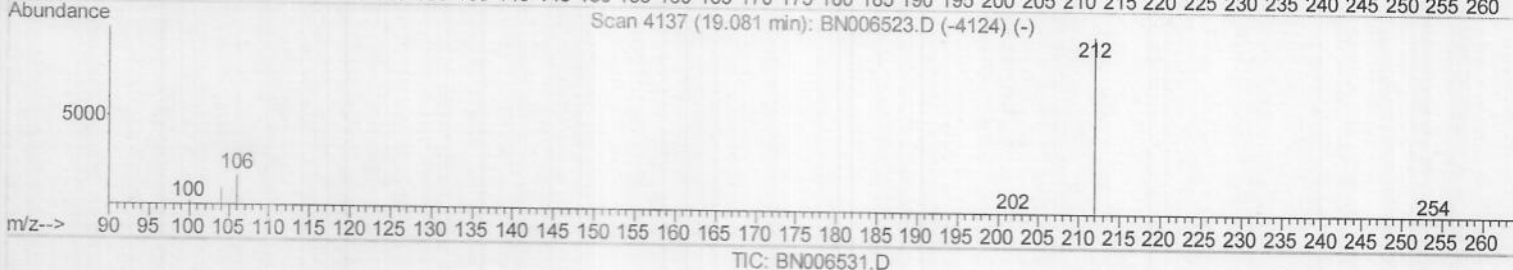
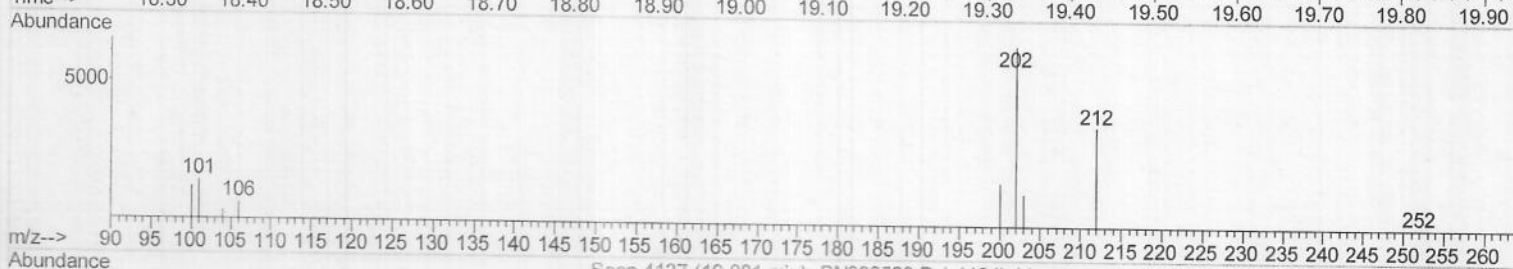
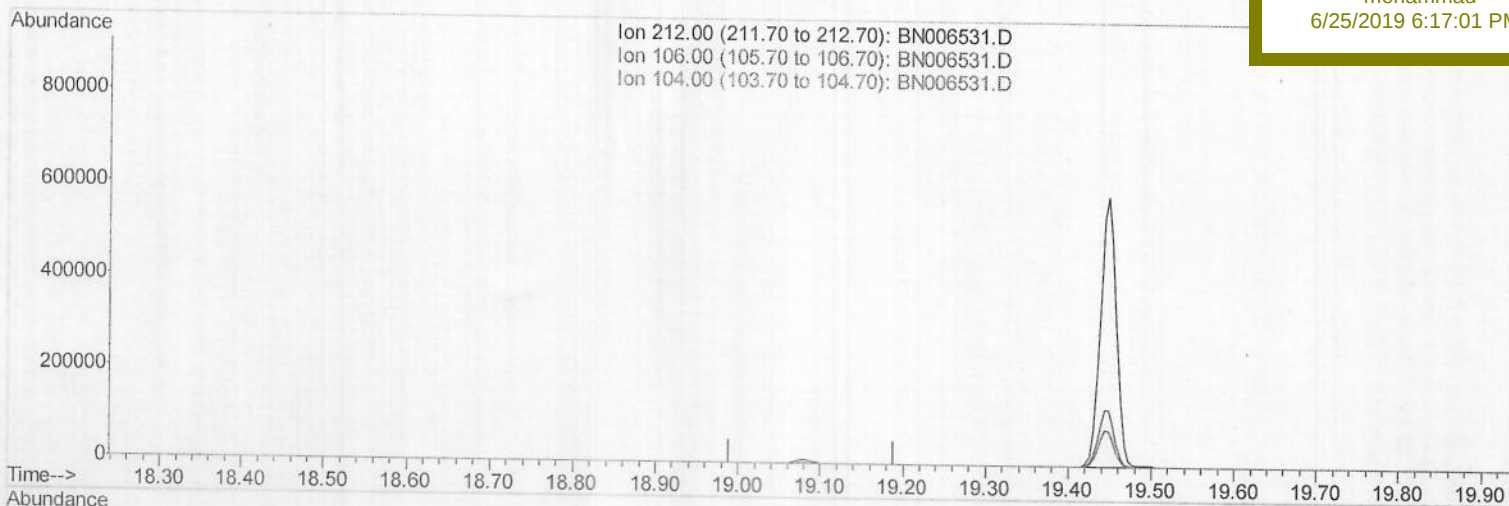
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 0.00  |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

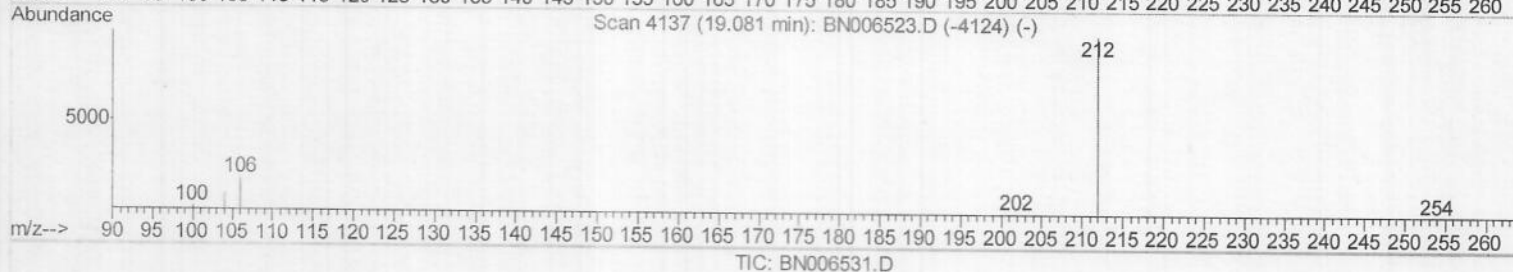
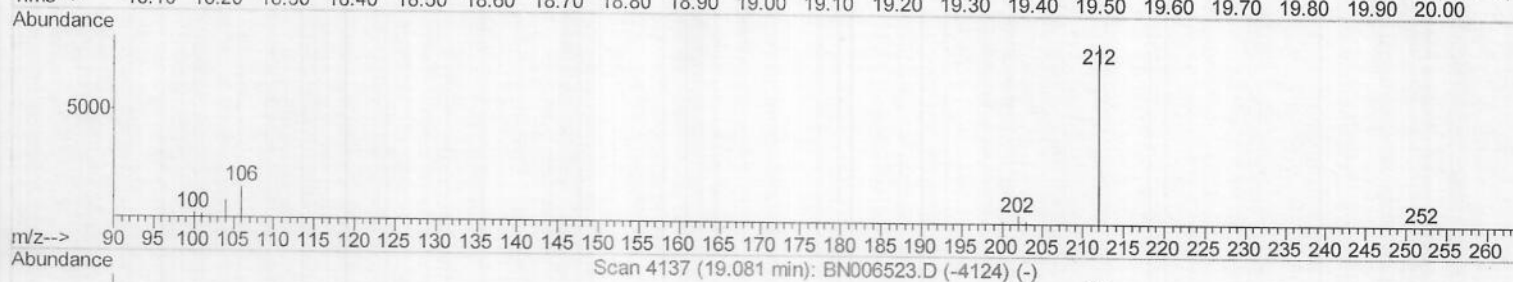
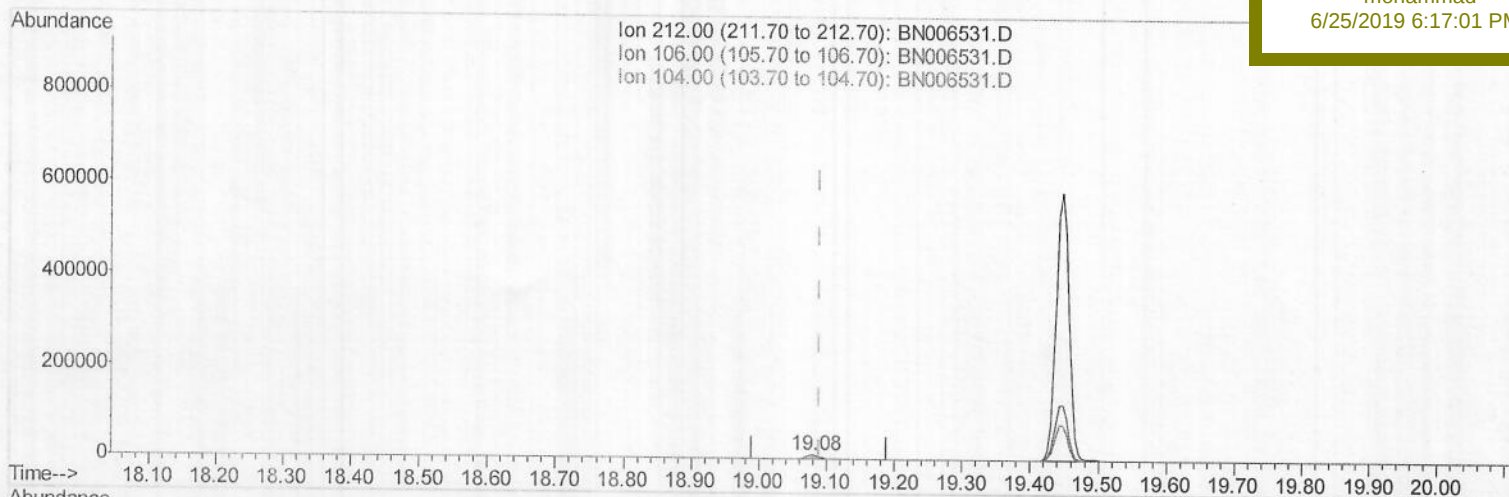
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(14) Fluoranthene-d10 (SURR)

19.081min (-0.009) 0.29ng/ul m

&gt; JU 06/26/19

response 11534

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |

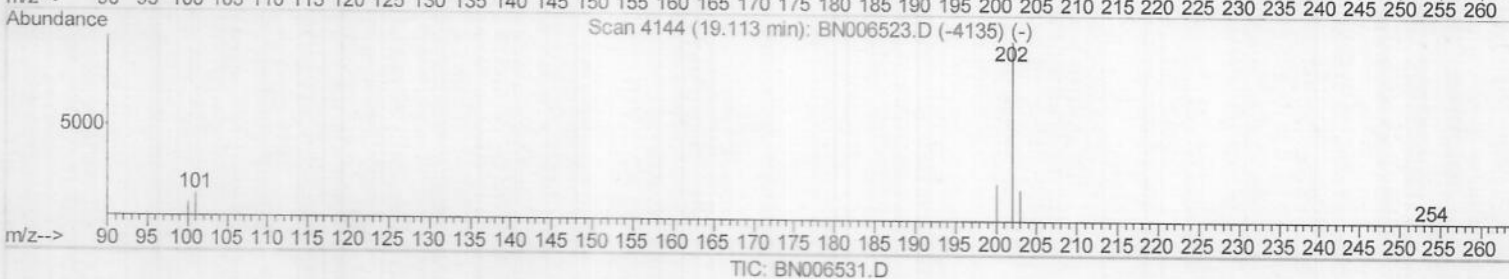
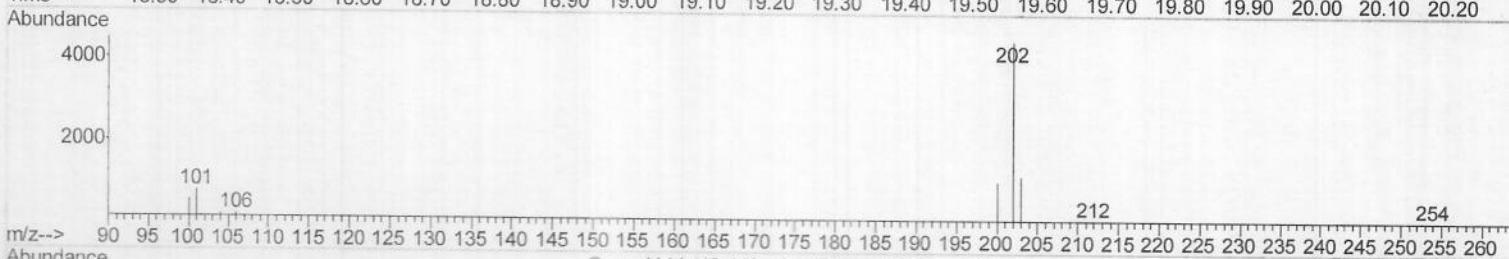
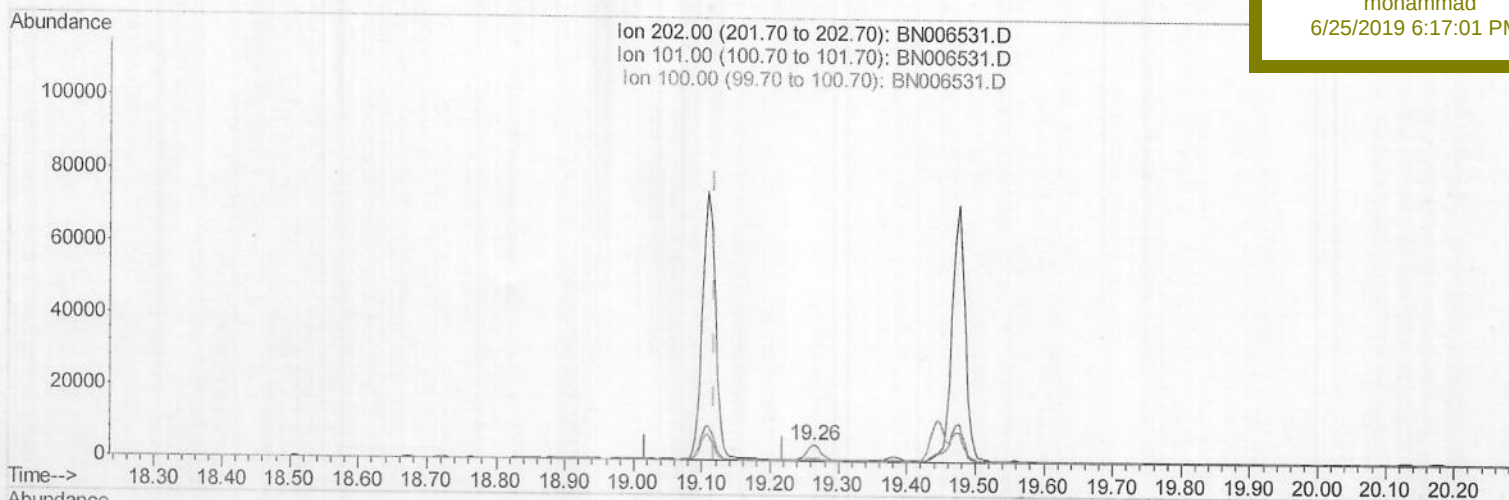
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
Data File : BN006531.D  
Acq On : 24 Jun 2019 15:19  
Operator : HP/JU  
Sample : K3362-15  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampleId :  
A4206

Manual Integrations  
APPROVED

mohammad  
6/25/2019 6:17:01 PM



(15) Fluoranthene (C)

19.262min (+0.144) 0.11ng/ul

response 5985

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 16.26 |
| 100.00 | 8.70  | 11.26 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

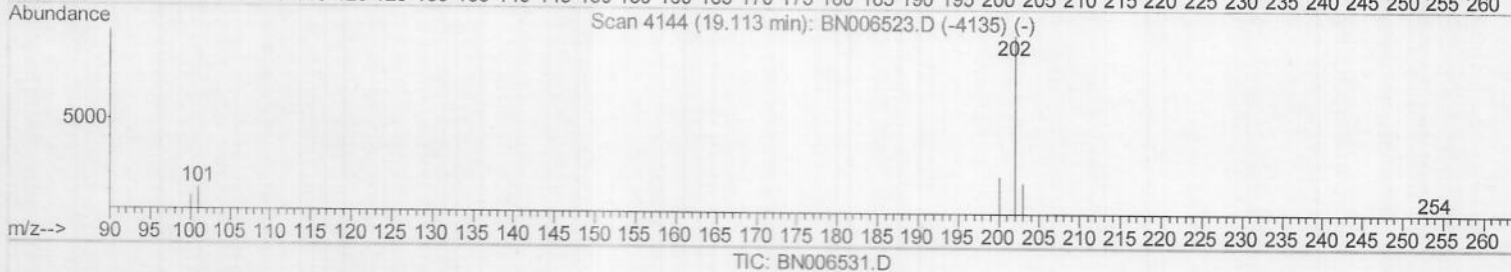
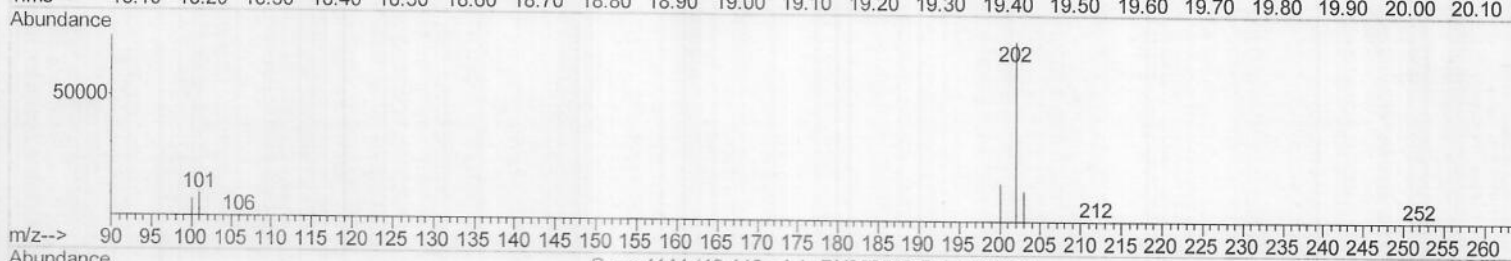
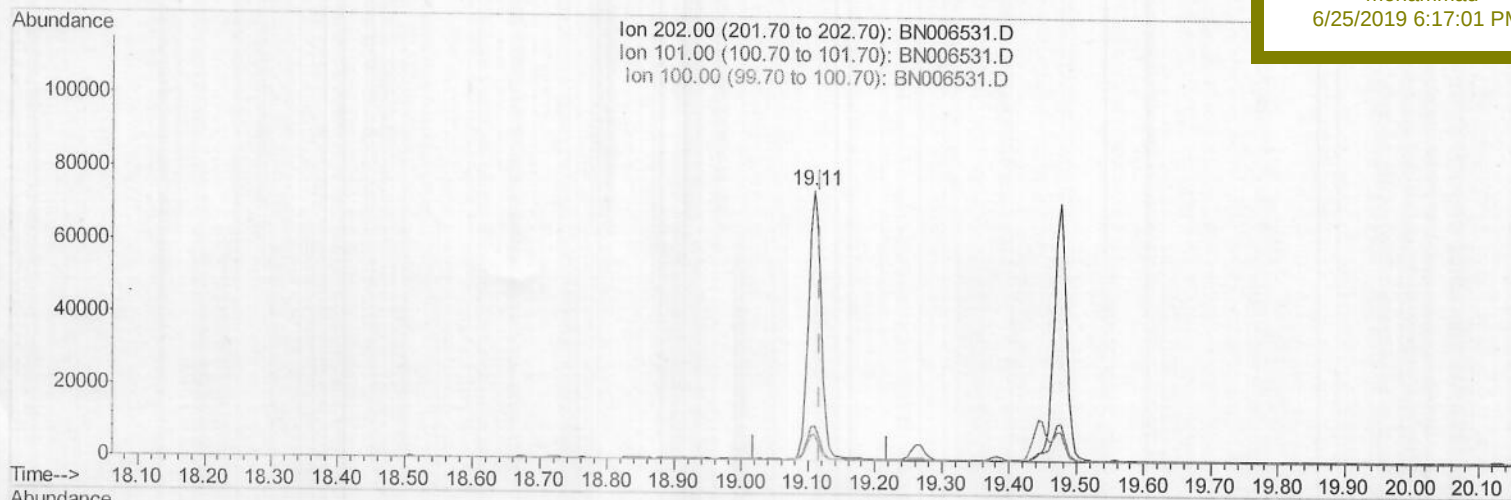
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(15) Fluoranthene (C)

19.109min (-0.009) 1.88ng/ul m

&gt; JU 06/26/19

response 99721

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 12.93 |
| 100.00 | 8.70  | 9.39  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

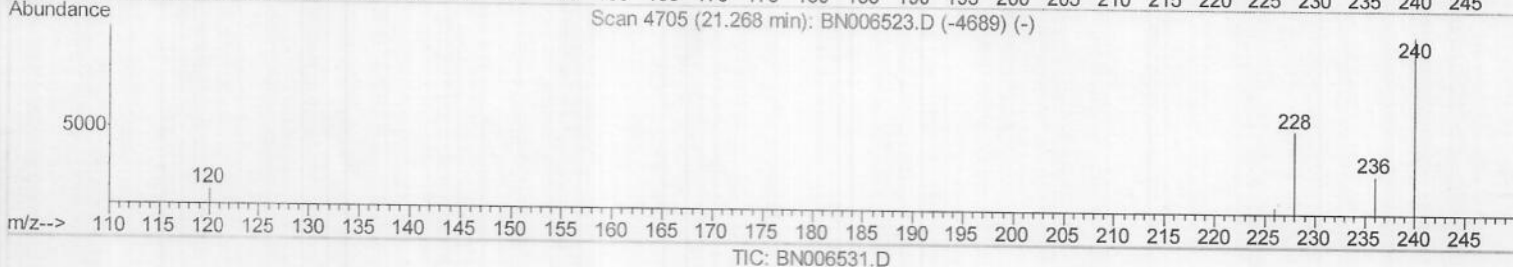
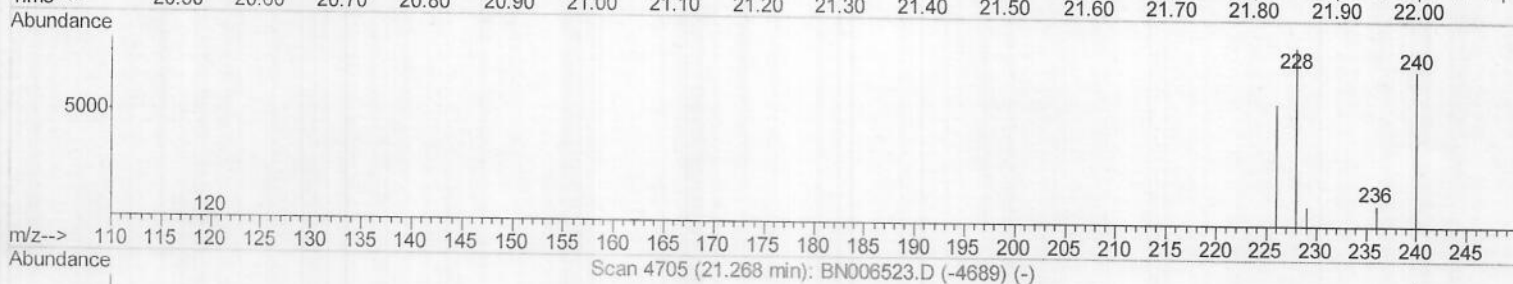
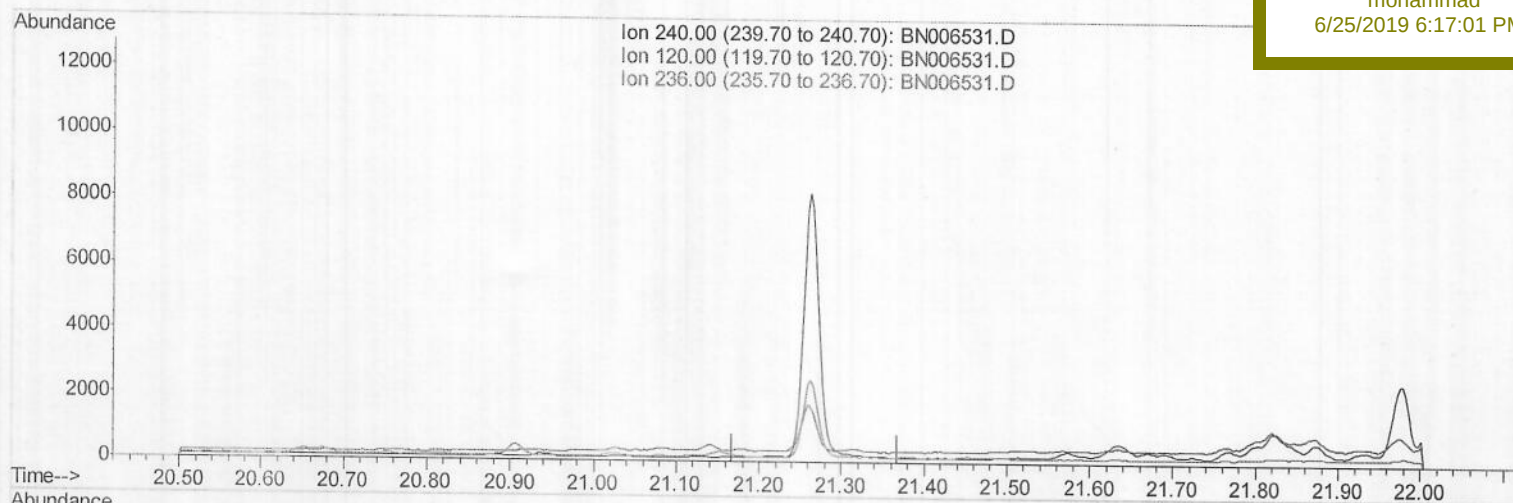
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(16) Chrysene-d12 (I)

21.268min (-21.268) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 0.00  |
| 120.00 | 20.10 | 0.00# |
| 236.00 | 30.10 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:22:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

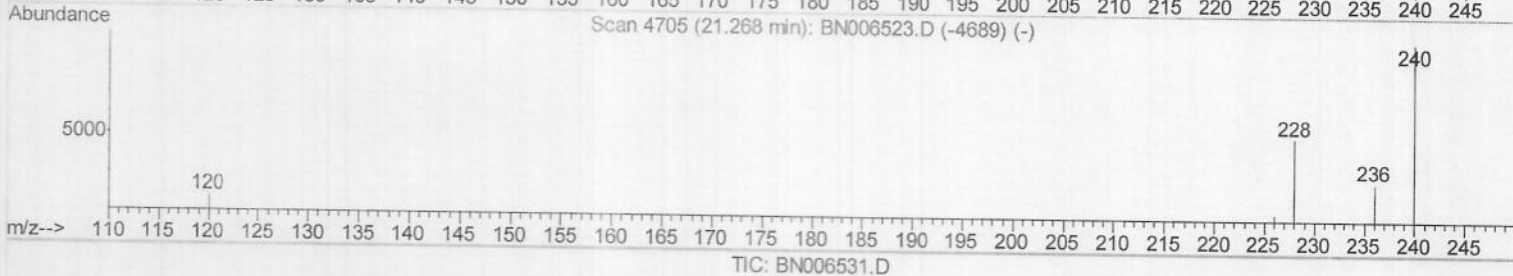
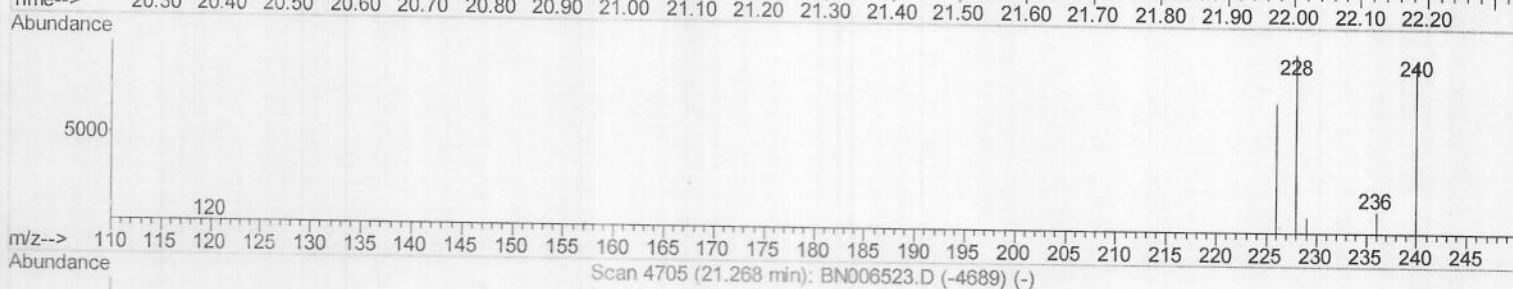
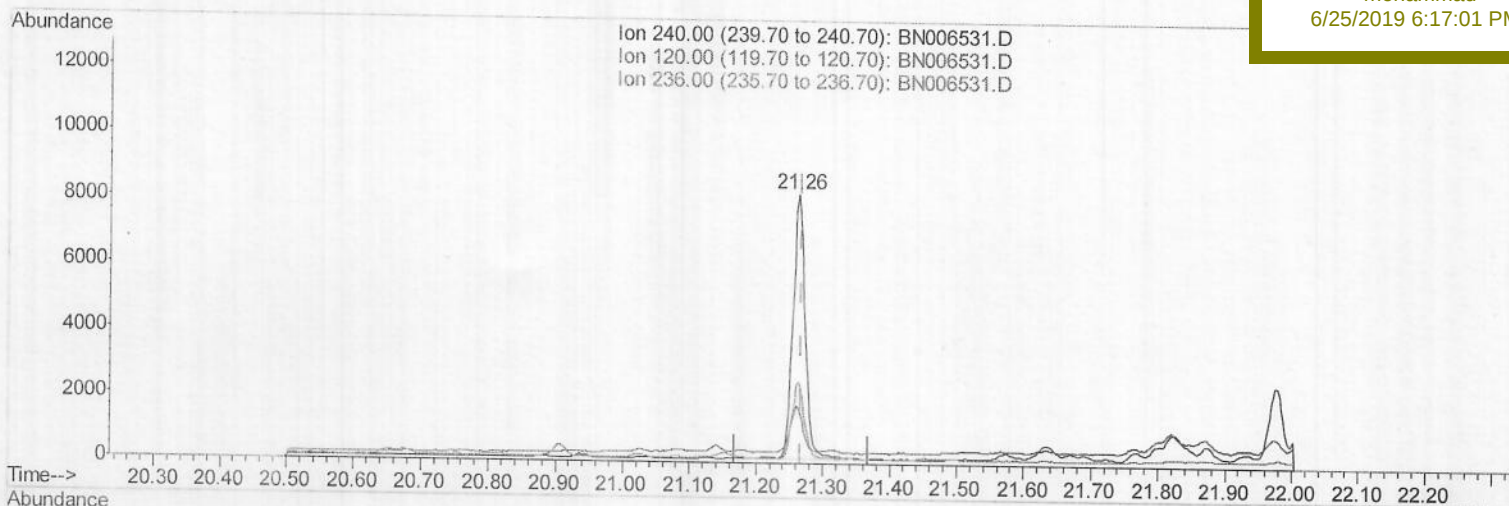
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(16) Chrysene-d12 (I)

21.263min (-0.006) 0.40ng/ul m

response 10406

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 20.10 | 20.60 |
| 236.00 | 30.10 | 30.65 |
| 0.00   | 0.00  | 0.00  |

> JU 06/26/19

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:24:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

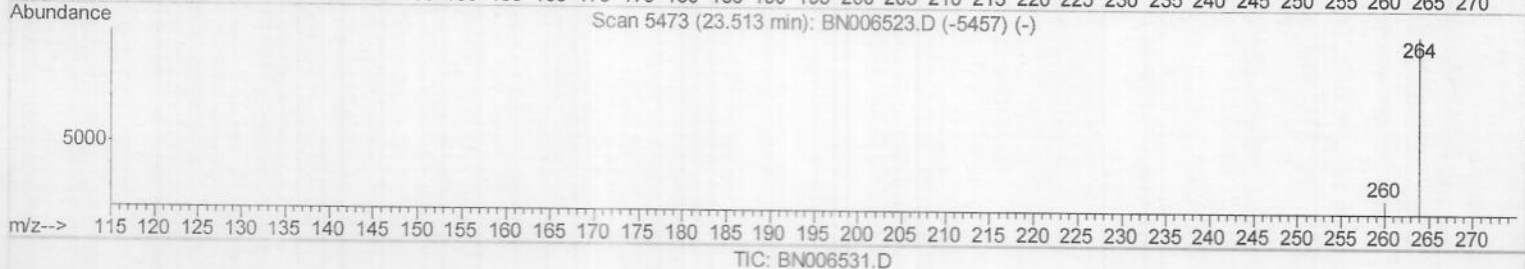
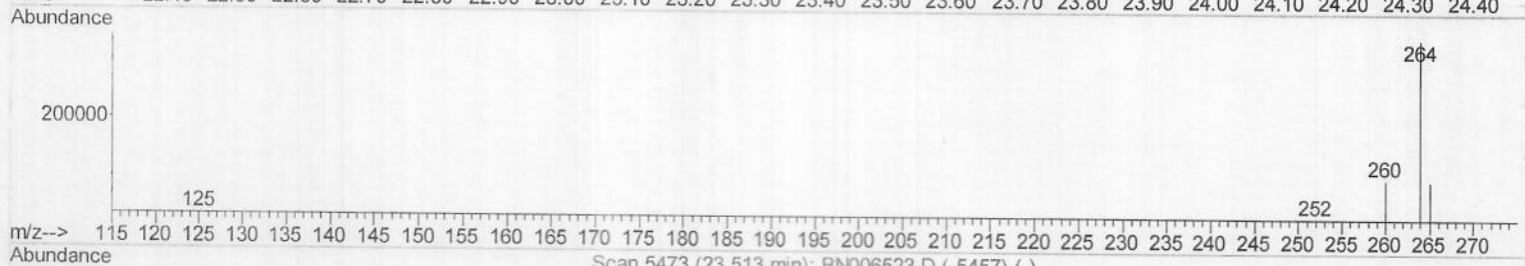
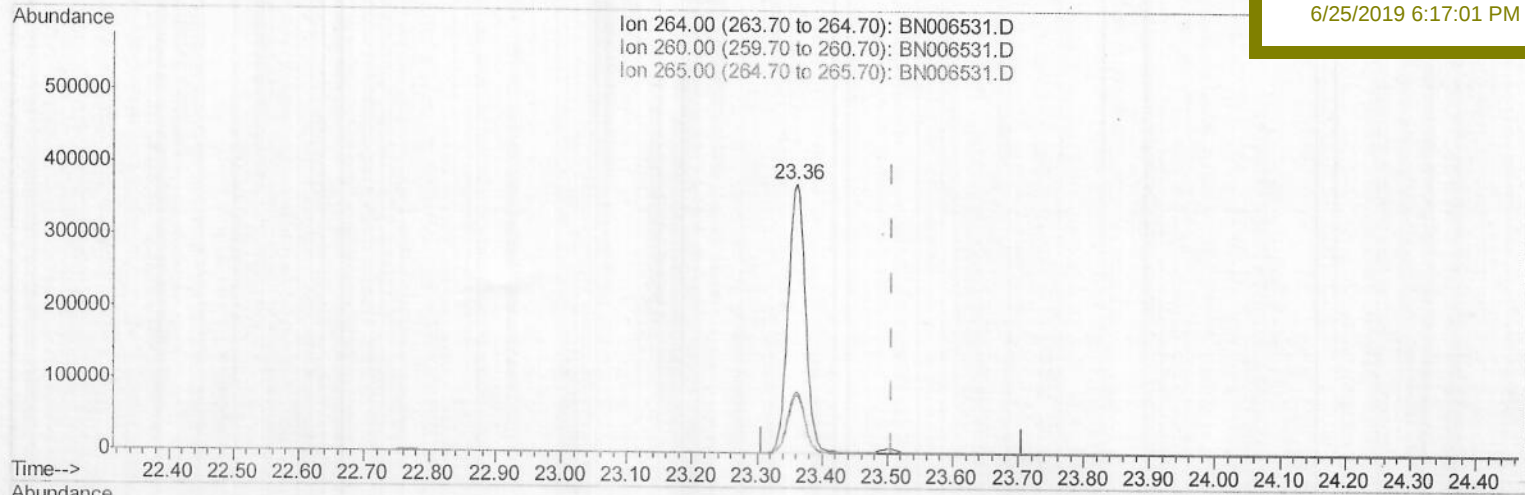
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(20) Perylene-d12 (I)

23.361min (-0.146) 0.40ng/ul

response 690757

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 29.20 | 22.52# |
| 265.00 | 44.70 | 21.35# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:24:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

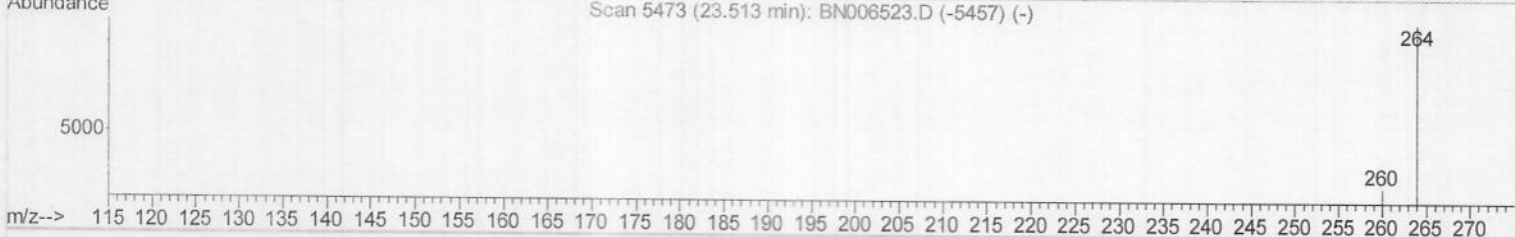
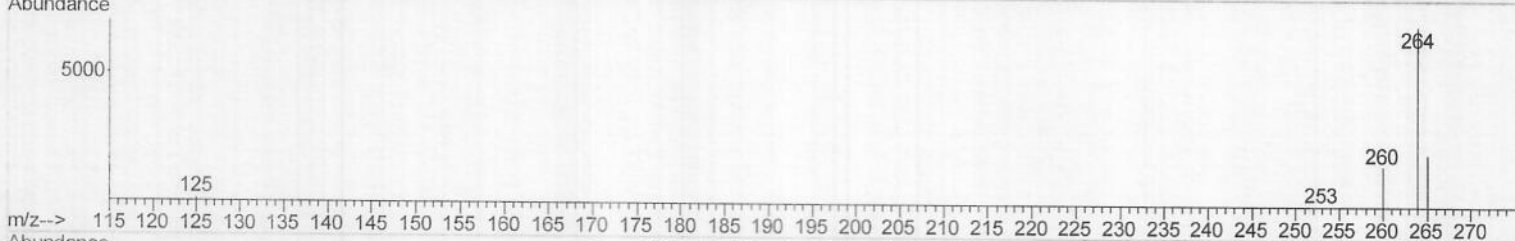
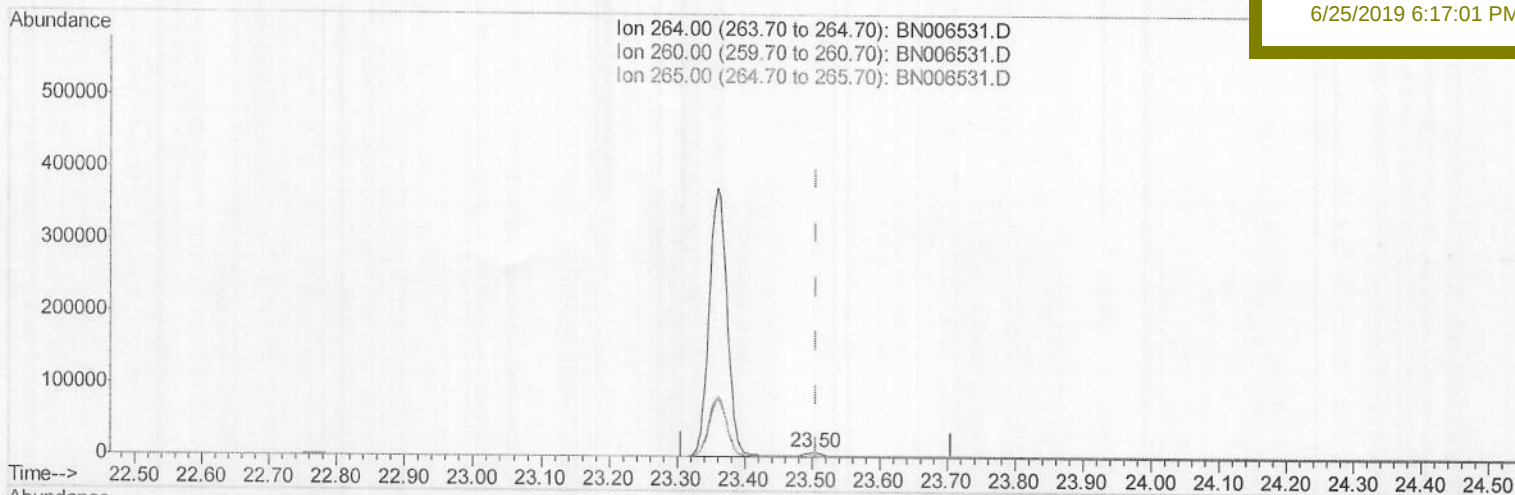
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(20) Perylene-d12 (I)

23.501min (-0.006) 0.40ng/ul m

response 10612

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 29.20 | 28.36  |
| 265.00 | 44.70 | 34.48# |
| 0.00   | 0.00  | 0.00   |

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

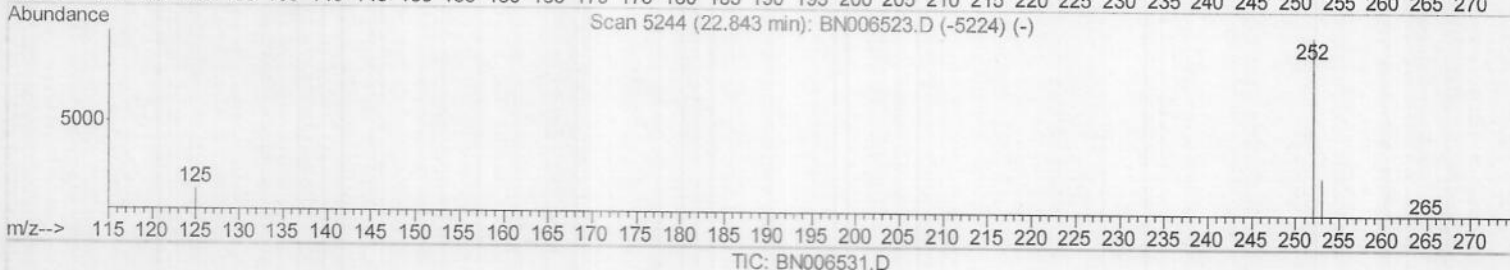
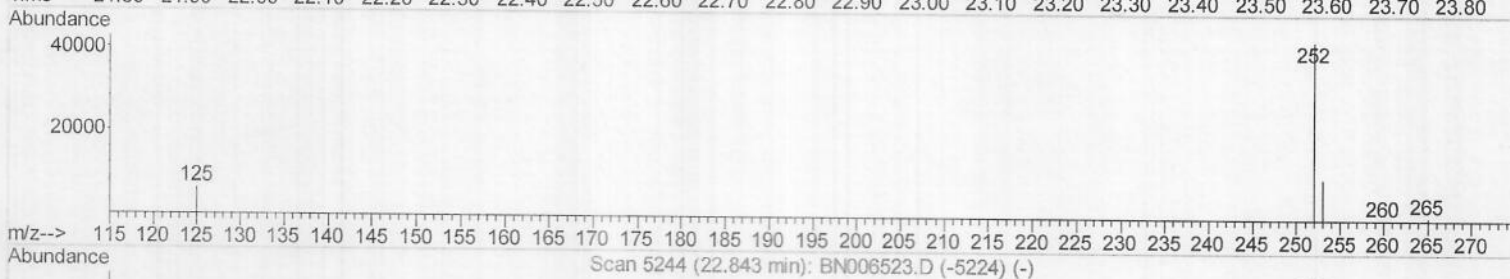
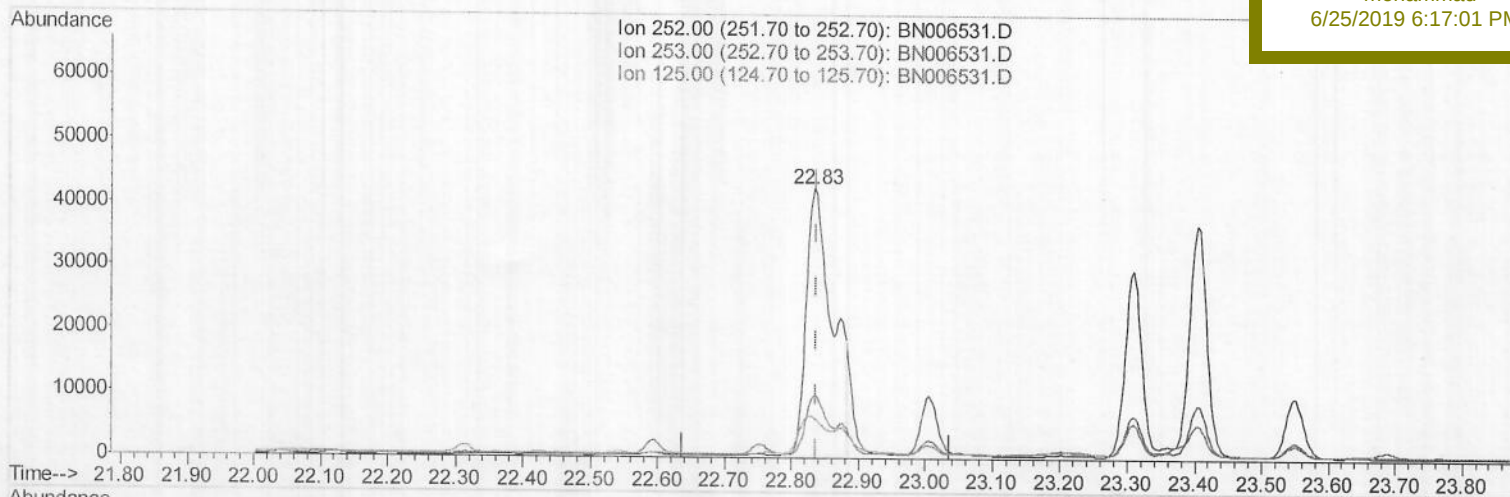
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(21) Benzo(b)fluoranthene

22.835min (-0.003) 2.53ng/ul

response 112121

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 23.20 |
| 125.00 | 20.50 | 14.69 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

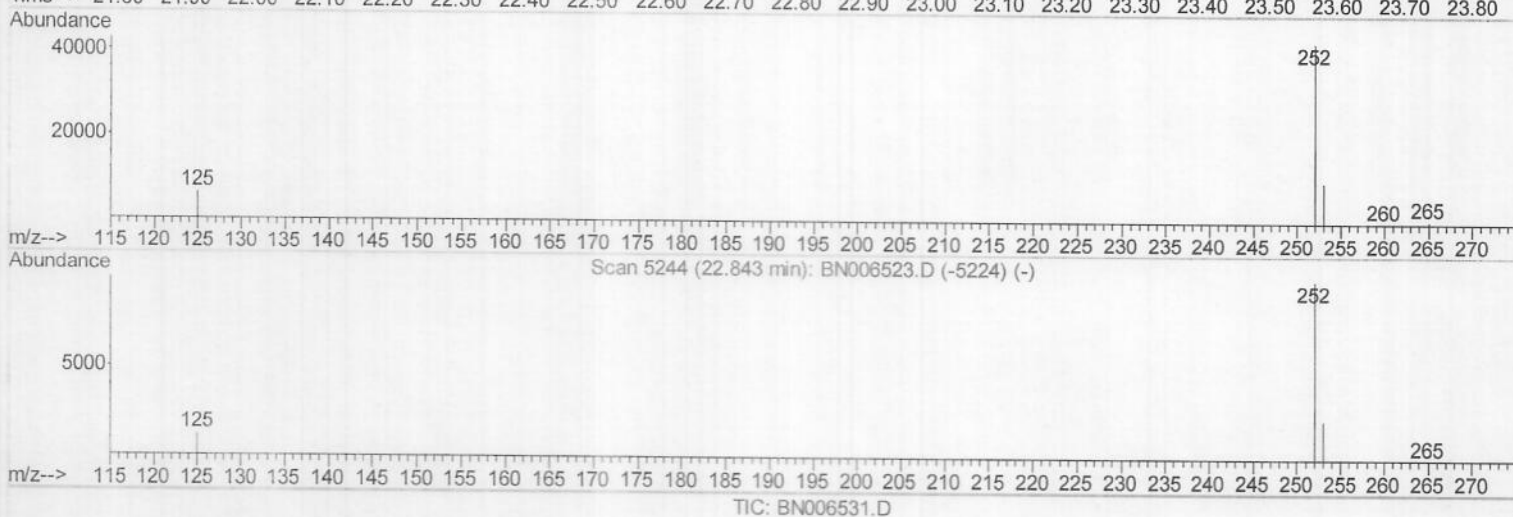
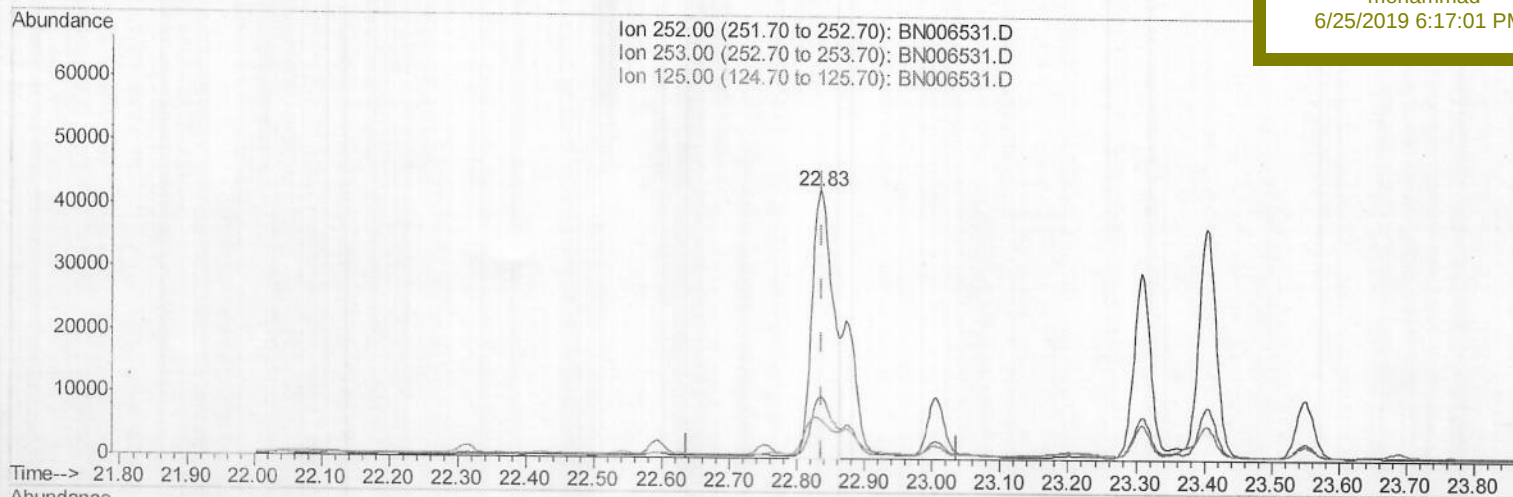
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(21) Benzo(b)fluoranthene

22.835min (-0.003) 2.09ng/ul m

&gt; JU 06/26/19

response 92449

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 23.20 |
| 125.00 | 20.50 | 14.69 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

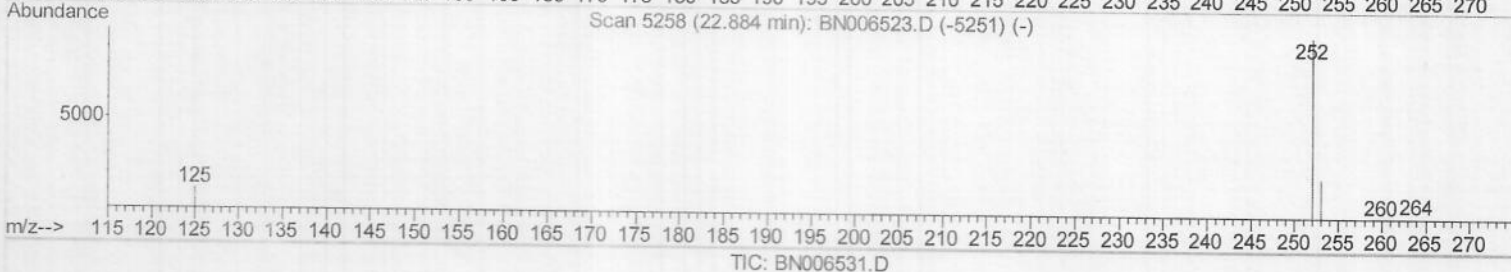
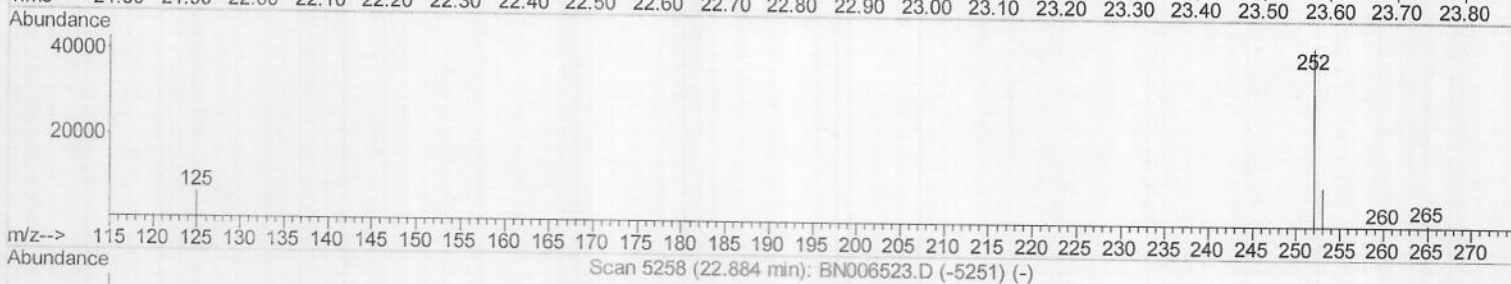
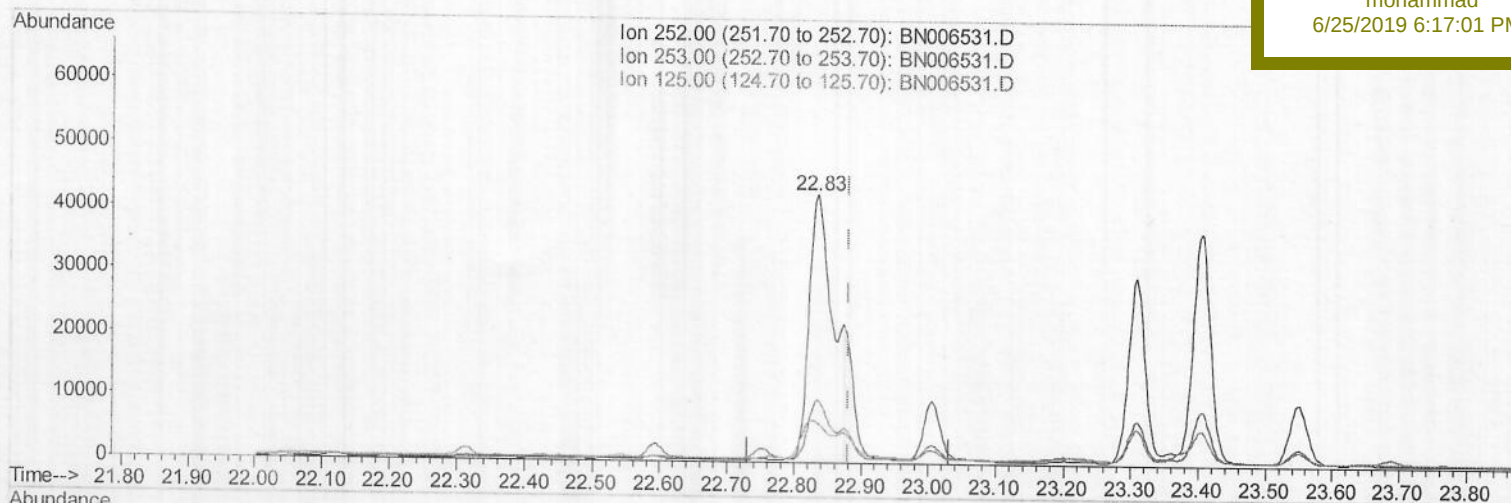
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(22) Benzo(k)fluoranthene

22.835min (-0.047) 2.45ng/ul

response 105383

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.40 | 23.20 |
| 125.00 | 17.90 | 14.69 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

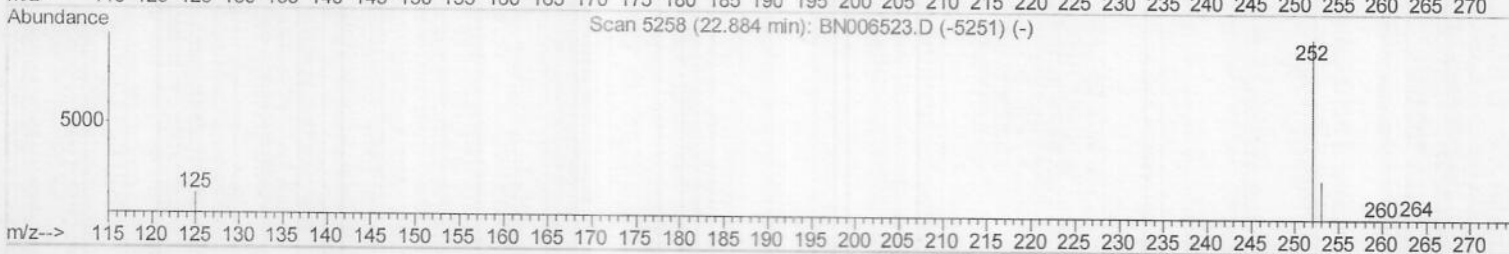
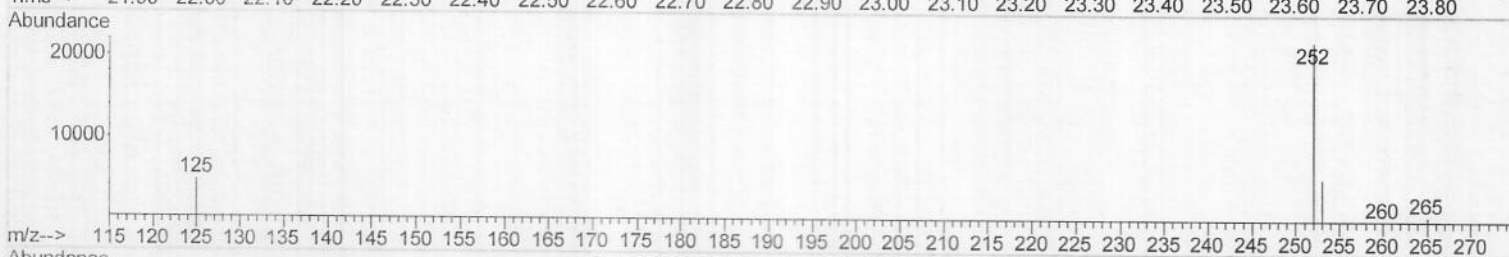
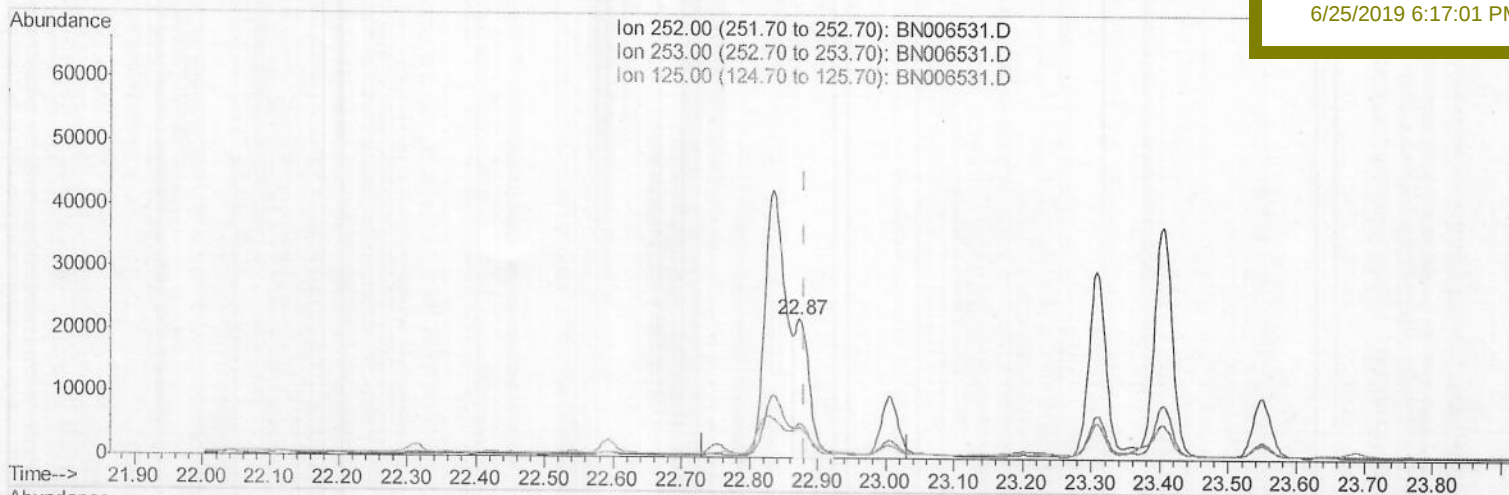
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(22) Benzo(k)fluoranthene

22.873min (-0.009) 0.76ng/ul m

response 32877

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 25.40 | 24.41  |
| 125.00 | 17.90 | 21.91# |
| 0.00   | 0.00  | 0.00   |

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

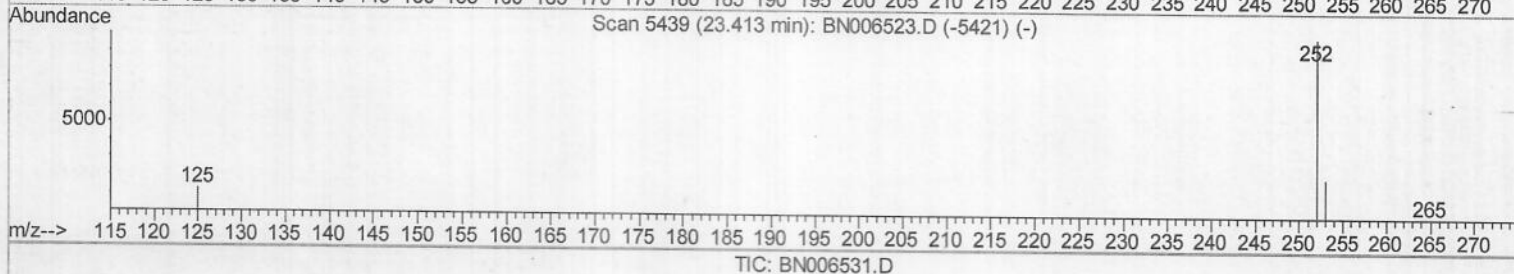
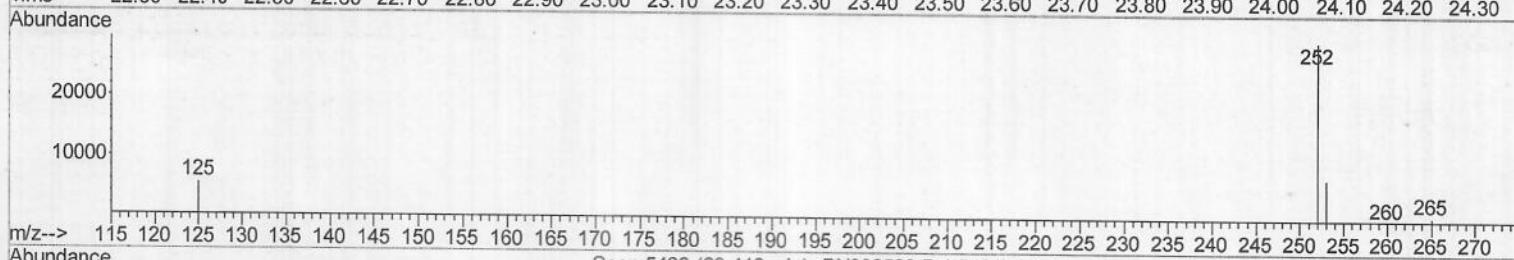
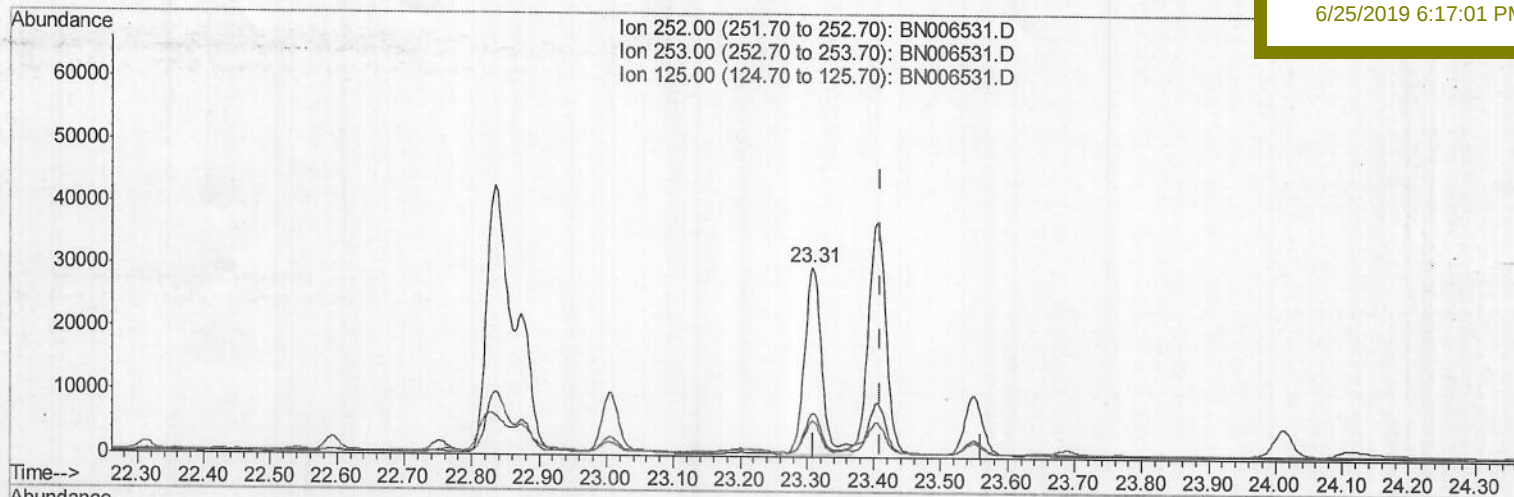
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

TIC: BN006531.D

(23) Benzo(a)pyrene (C)

23.308min (-0.102) 1.27ng/ul

response 52530

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.40 | 22.92  |
| 125.00 | 25.40 | 18.60# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

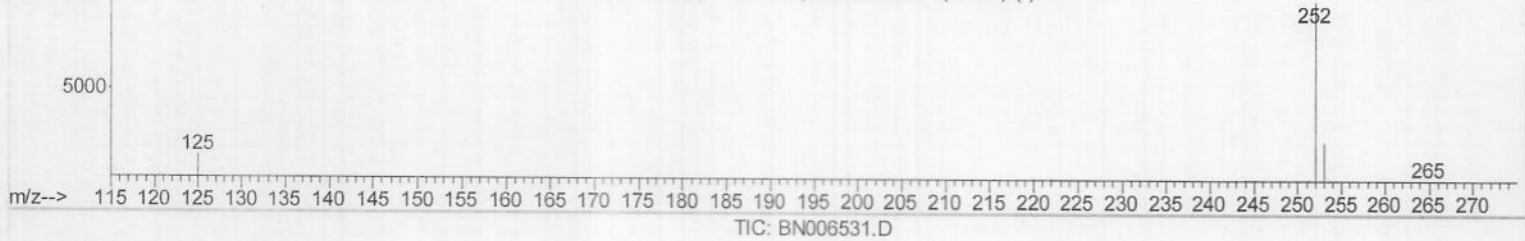
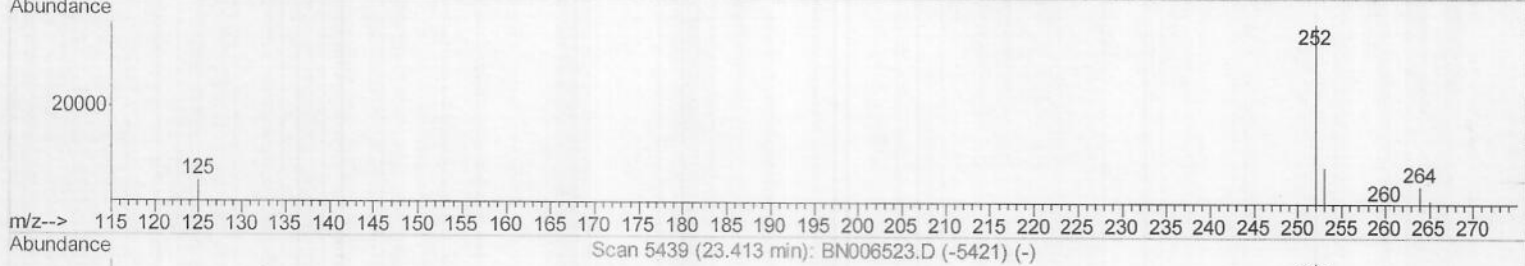
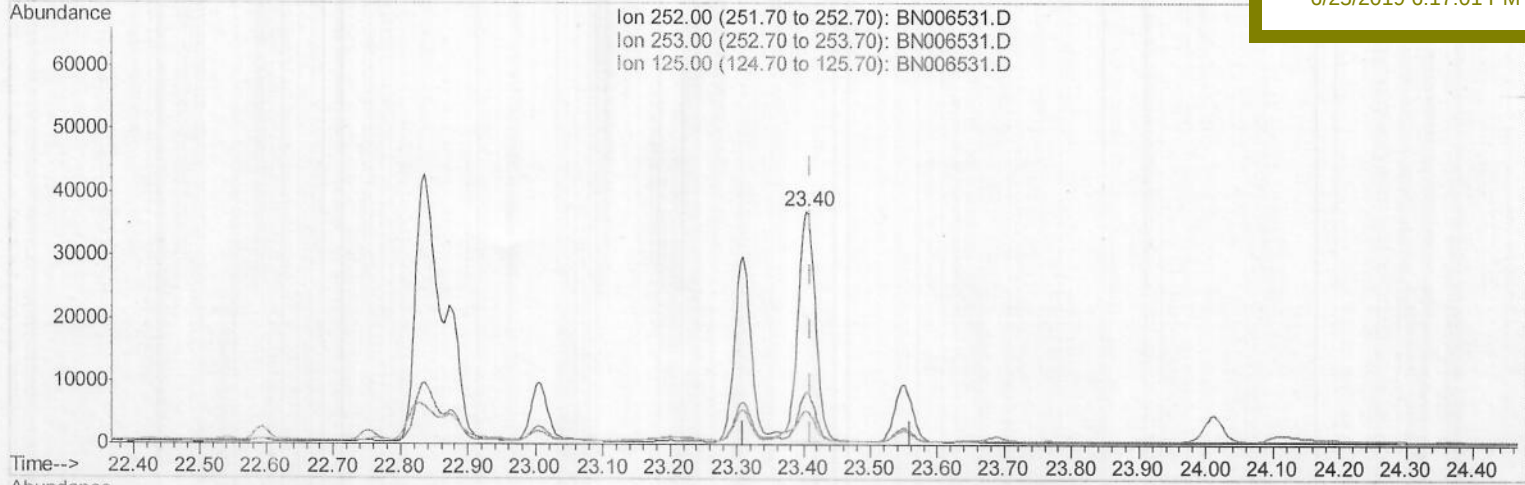
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(23) Benzo(a)pyrene (C)

23.405min (-0.006) 1.63ng/ul m

response 67352

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.40 | 22.86  |
| 125.00 | 25.40 | 14.53# |
| 0.00   | 0.00  | 0.00   |

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

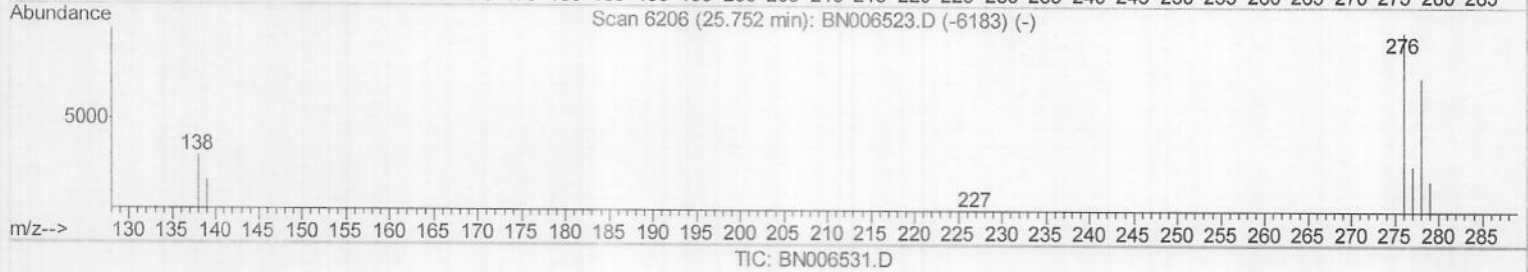
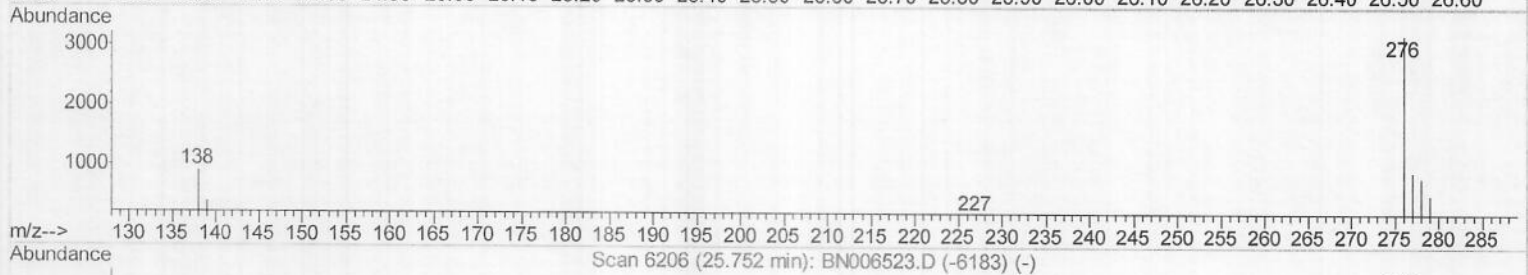
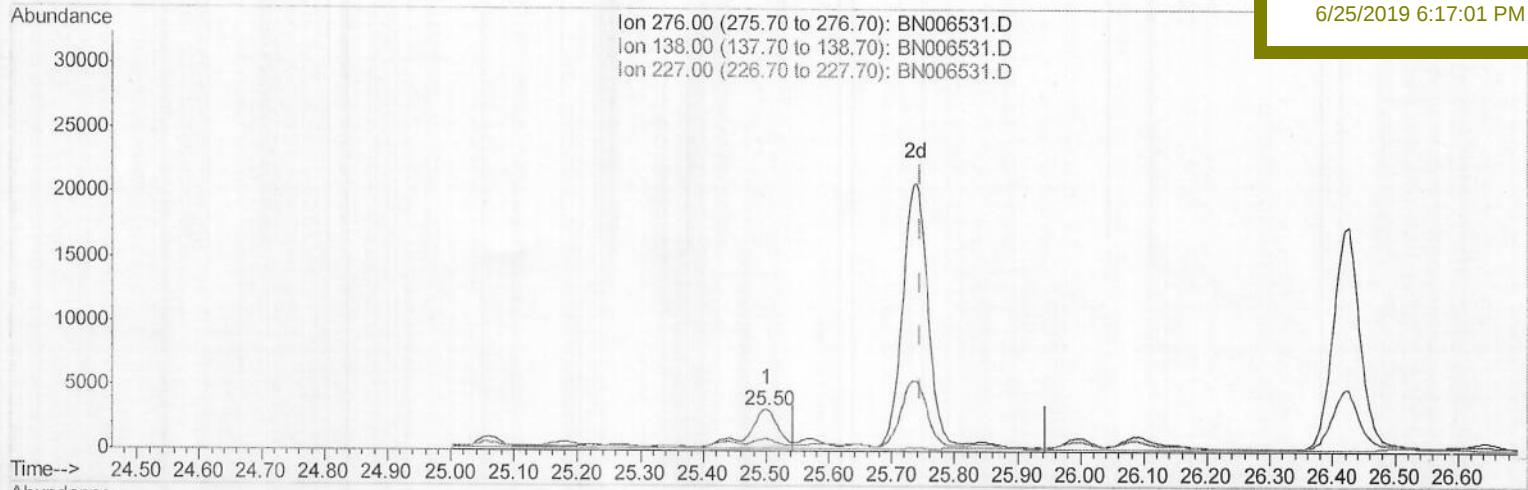
Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

TIC: BN006531.D

(24) Indeno(1,2,3-cd)pyrene

25.500min (-0.245) 0.17ng/ul

response 7641

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 32.00 | 14.24# |
| 227.00 | 0.40  | 0.10#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

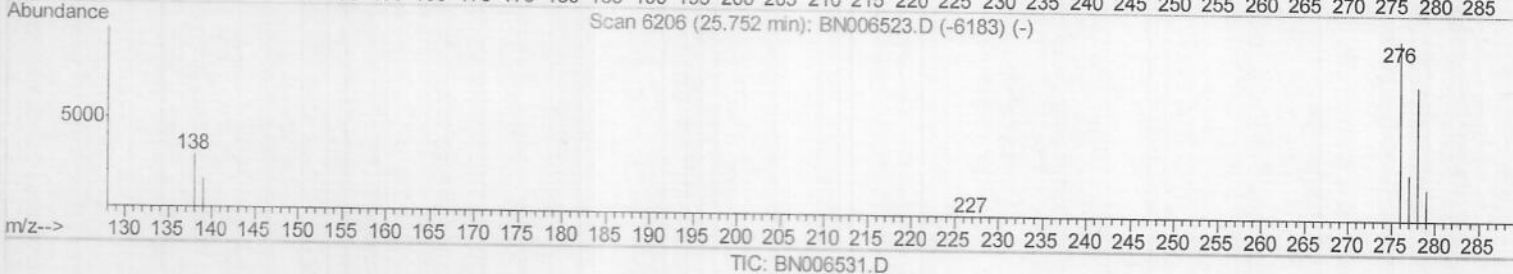
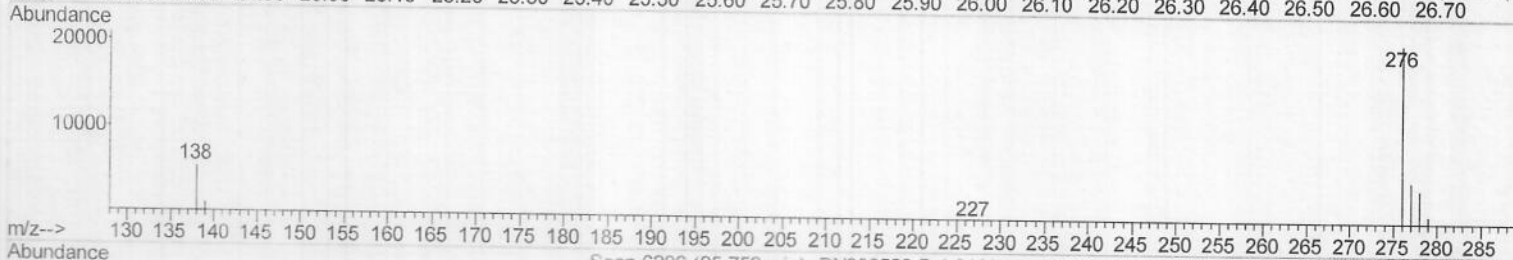
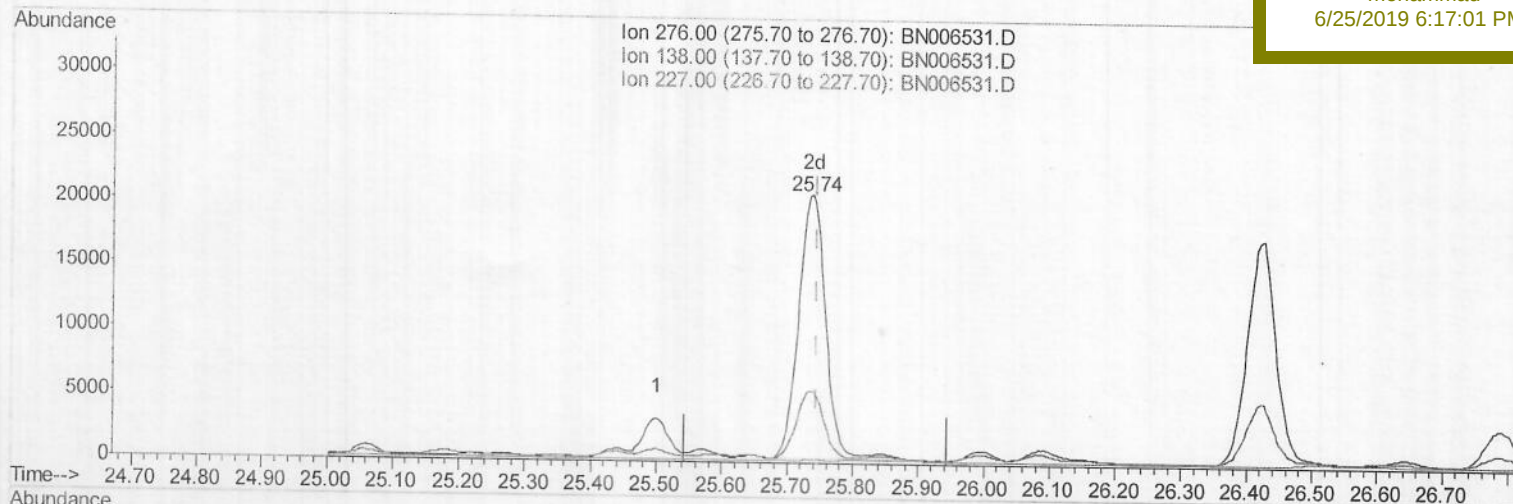
A4206

Manual Integrations

APPROVED

mohammad

6/25/2019 6:17:01 PM



(24) Indeno(1,2,3-cd)pyrene

25.739min (-0.006) 1.28ng/ul m

> JU 06/26/19

response 57175

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 32.00 | 1.90# |
| 227.00 | 0.40  | 0.01# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

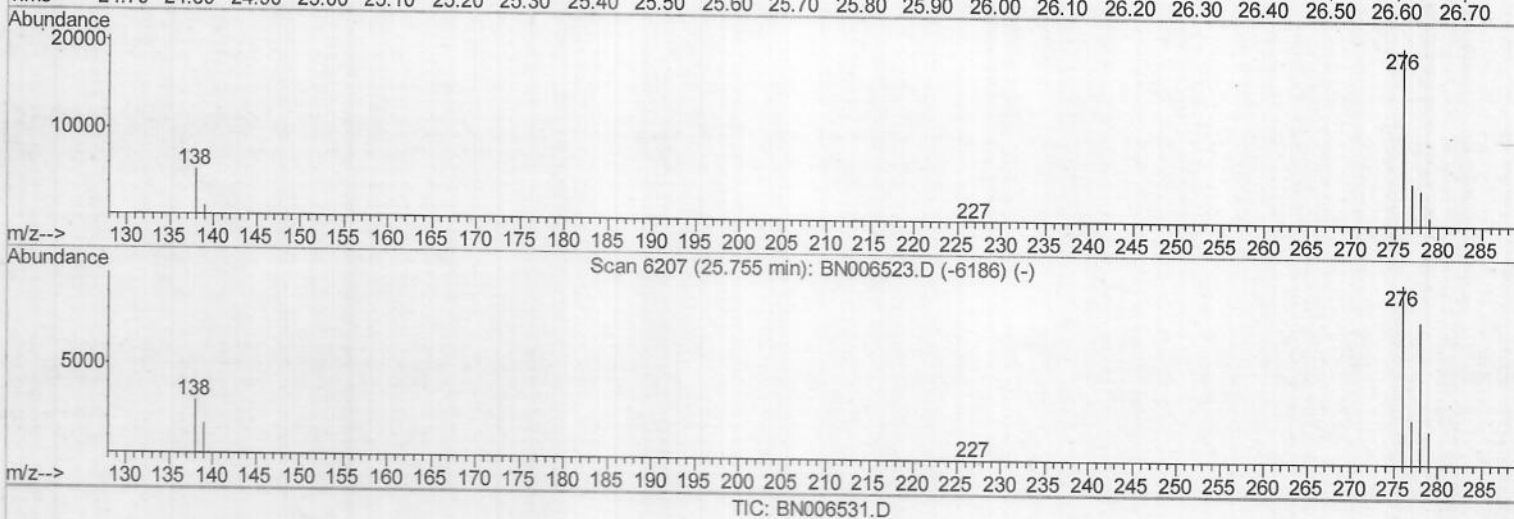
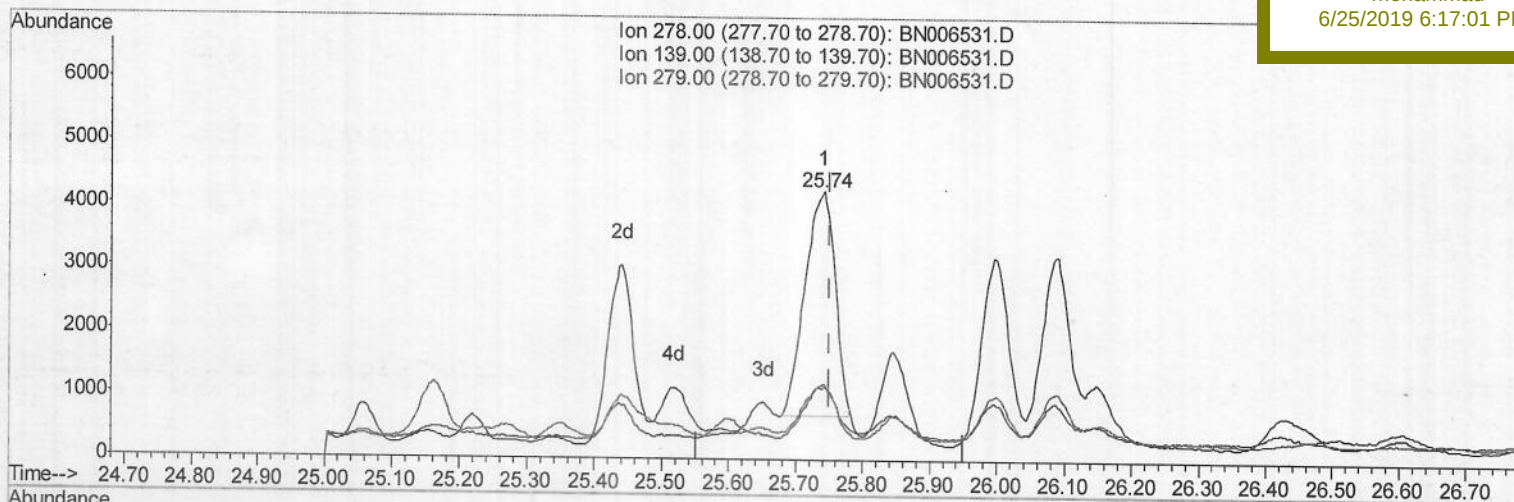
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(25) Dibenzo(a,h)anthracene

25.742min (-0.010) 0.31ng/ul

response 11065

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 26.50 | 28.08 |
| 279.00 | 28.20 | 27.45 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

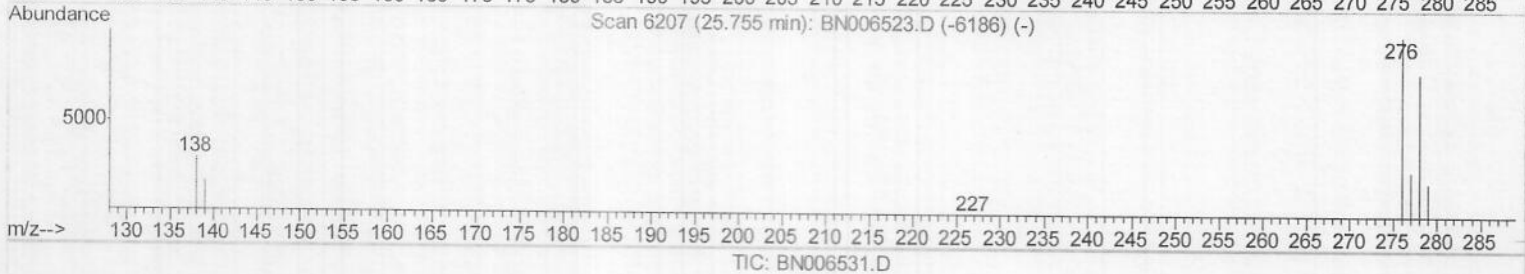
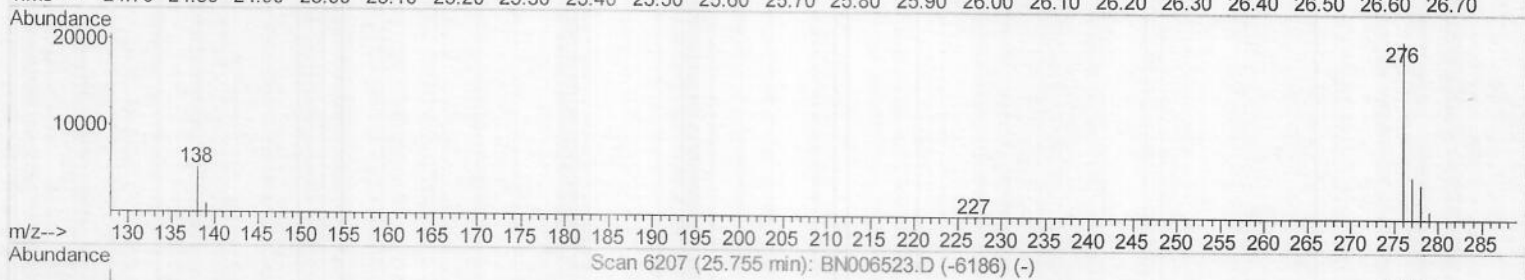
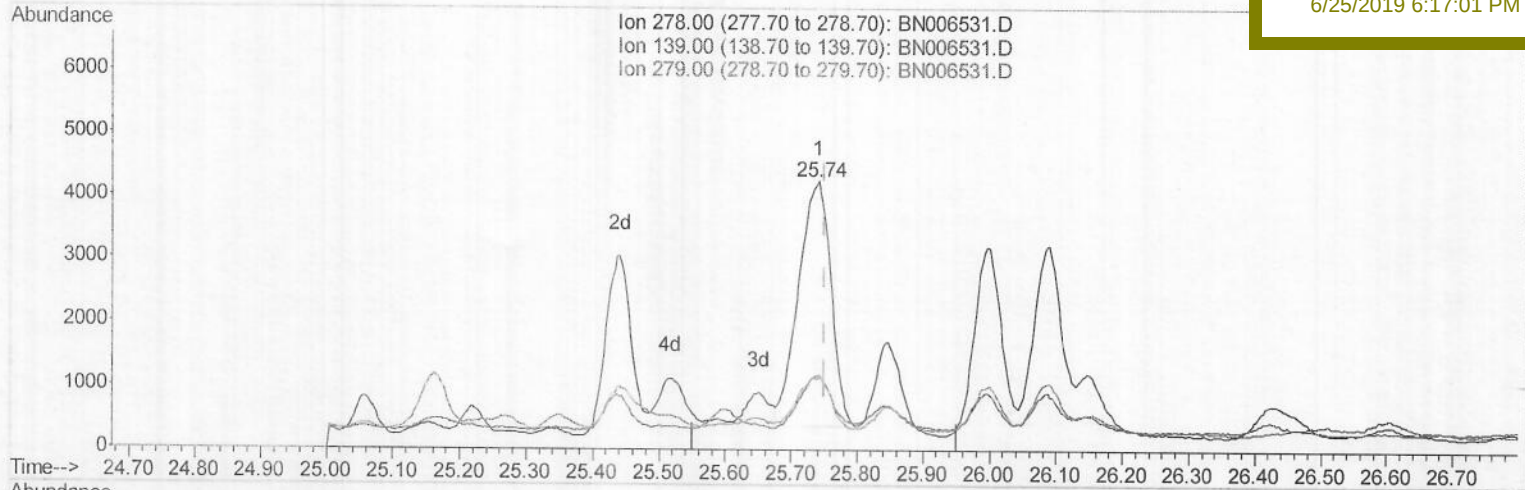
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(25) Dibenzo(a,h)anthracene

25.742min (-0.010) 0.37ng/ul m &gt; JU 06/26/19

response 13169

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 26.50 | 28.08 |
| 279.00 | 28.20 | 27.45 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006531.D

Acq On : 24 Jun 2019 15:19

Operator : HP/JU

Sample : K3362-15

Misc :

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 17 11:13:07 2019

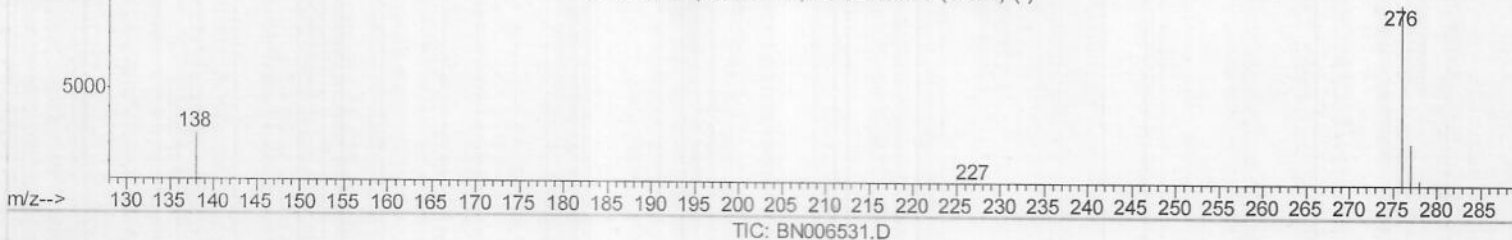
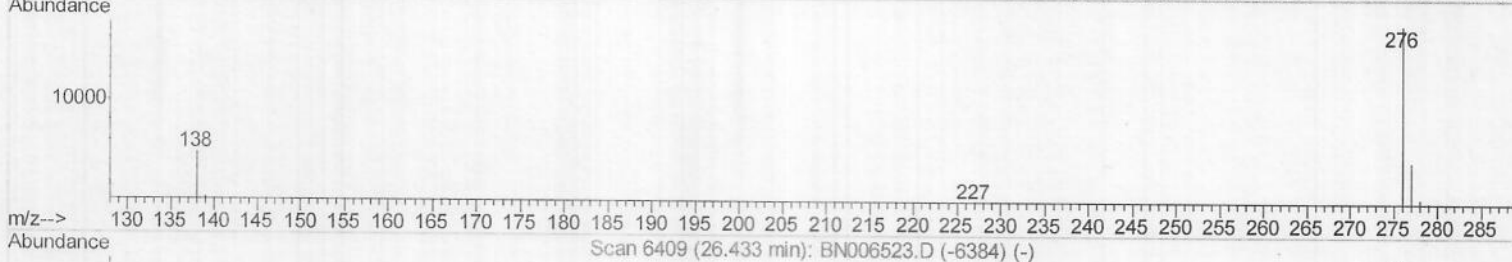
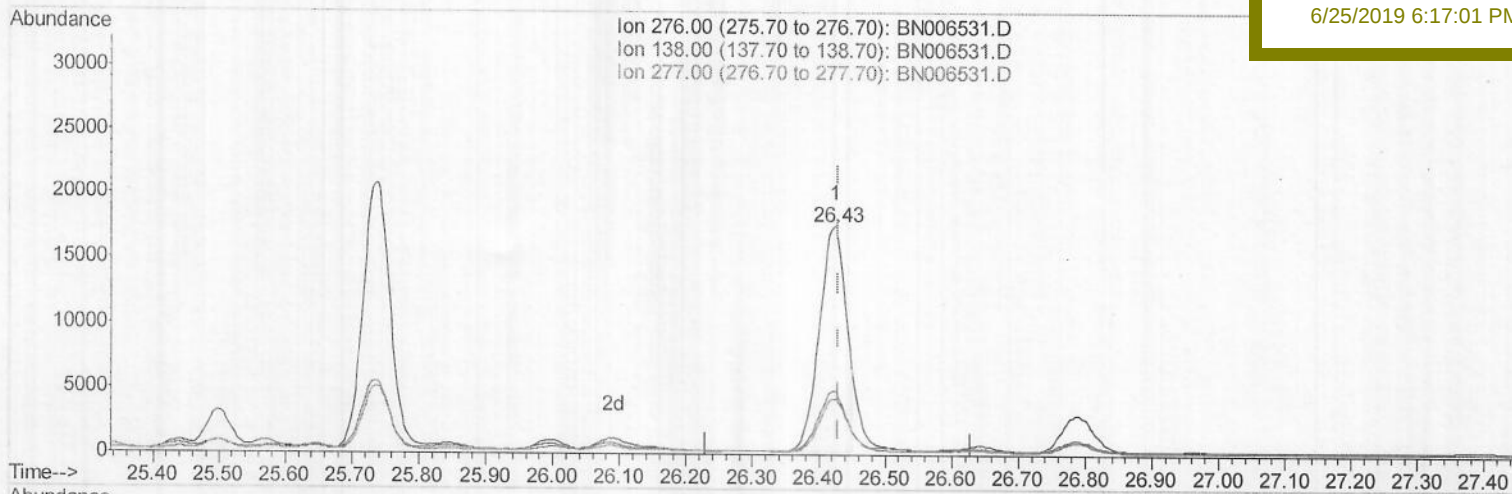
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4206

Manual Integrations  
APPROVEDmohammad  
6/25/2019 6:17:01 PM

(26) Benzo(g,h,i)perylene

26.426min (-0.003) 1.27ng/ul

response 47591

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 30.30 | 27.44 |
| 277.00 | 26.90 | 24.24 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

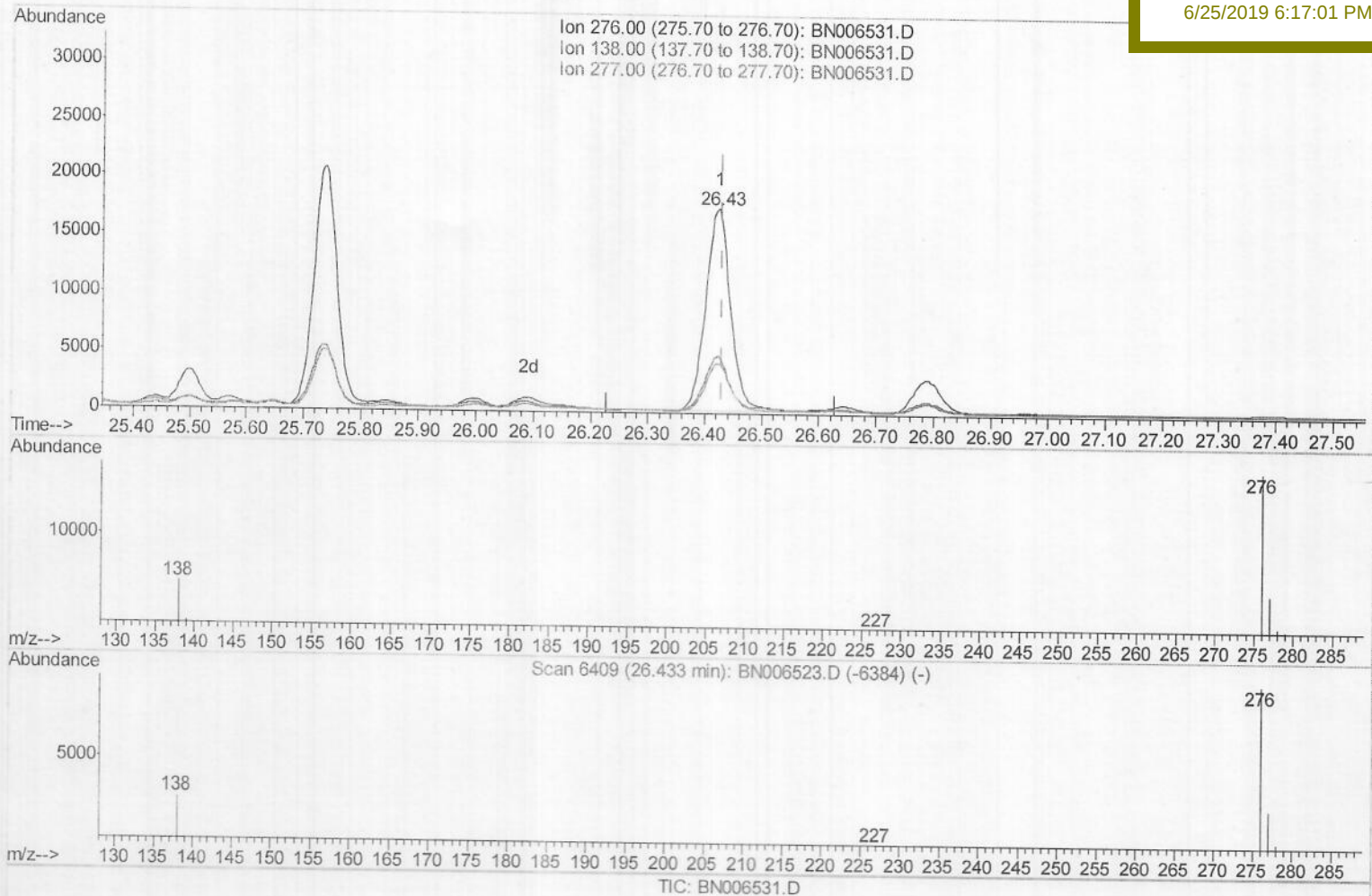
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006531.D  
 Acq On : 24 Jun 2019 15:19  
 Operator : HP/JU  
 Sample : K3362-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 01:25:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 A4206

**Manual Integrations**  
**APPROVED**

mohammad  
 6/25/2019 6:17:01 PM



(26) Benzo(g,h,i)perylene

26.426min (-0.003) 1.43ng/ul m

response 53485

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 30.30 | 27.44 |
| 277.00 | 26.90 | 24.24 |
| 0.00   | 0.00  | 0.00  |

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006531.D  
 Acq On : 24 Jun 2019 15:19  
 Operator : HP/JU  
 Sample : K3362-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 Client Sampled :  
 A4206

Quant Time: Jun 25 01:26:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

mohammad  
 6/25/2019 6:17:01 PM

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 4922     | 0.40  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.41 | 136  | 17671    | 0.40  | ng/ul  | -0.02    |
| 6) Acenaphthene-d10         | 14.28 | 164  | 8144     | 0.40  | ng/ul  | -0.01    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 14957m   | 0.40  | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.26 | 240  | 10406m   | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.50 | 264  | 10612m   | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 7259     | 0.27  | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.08 | 212  | 11534m   | 0.29  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.46 | 128  | 3380     | 0.069 | ng/ul# | 92       |
| 5) 2-Methylnaphthalene      | 12.08 | 142  | 1386     | 0.041 | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.00 | 152  | 23076    | 0.510 | ng/ul  | 100      |
| 8) Acenaphthene             | 14.34 | 153  | 1738     | 0.055 | ng/ul  | 97       |
| 9) Fluorene                 | 15.33 | 166  | 3076     | 0.084 | ng/ul# | 96       |
| 12) Phenanthrene            | 17.08 | 178  | 45964m   | 0.957 | ng/ul  |          |
| 13) Anthracene              | 17.17 | 178  | 18243m   | 0.398 | ng/ul  |          |
| 15) Fluoranthene            | 19.11 | 202  | 99721m   | 1.881 | ng/ul  |          |
| 17) Pyrene                  | 19.48 | 202  | 94686    | 1.727 | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 47311    | 1.028 | ng/ul  | 97       |
| 19) Chrysene                | 21.30 | 228  | 53705    | 1.243 | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.83 | 252  | 92449m   | 2.089 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.87 | 252  | 32877m   | 0.763 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.40 | 252  | 67352m   | 1.634 | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.74 | 276  | 57175m   | 1.282 | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 25.74 | 278  | 13169m   | 0.369 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.43 | 276  | 53485m   | 1.432 | ng/ul  |          |

JU  
 06/26/19

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