

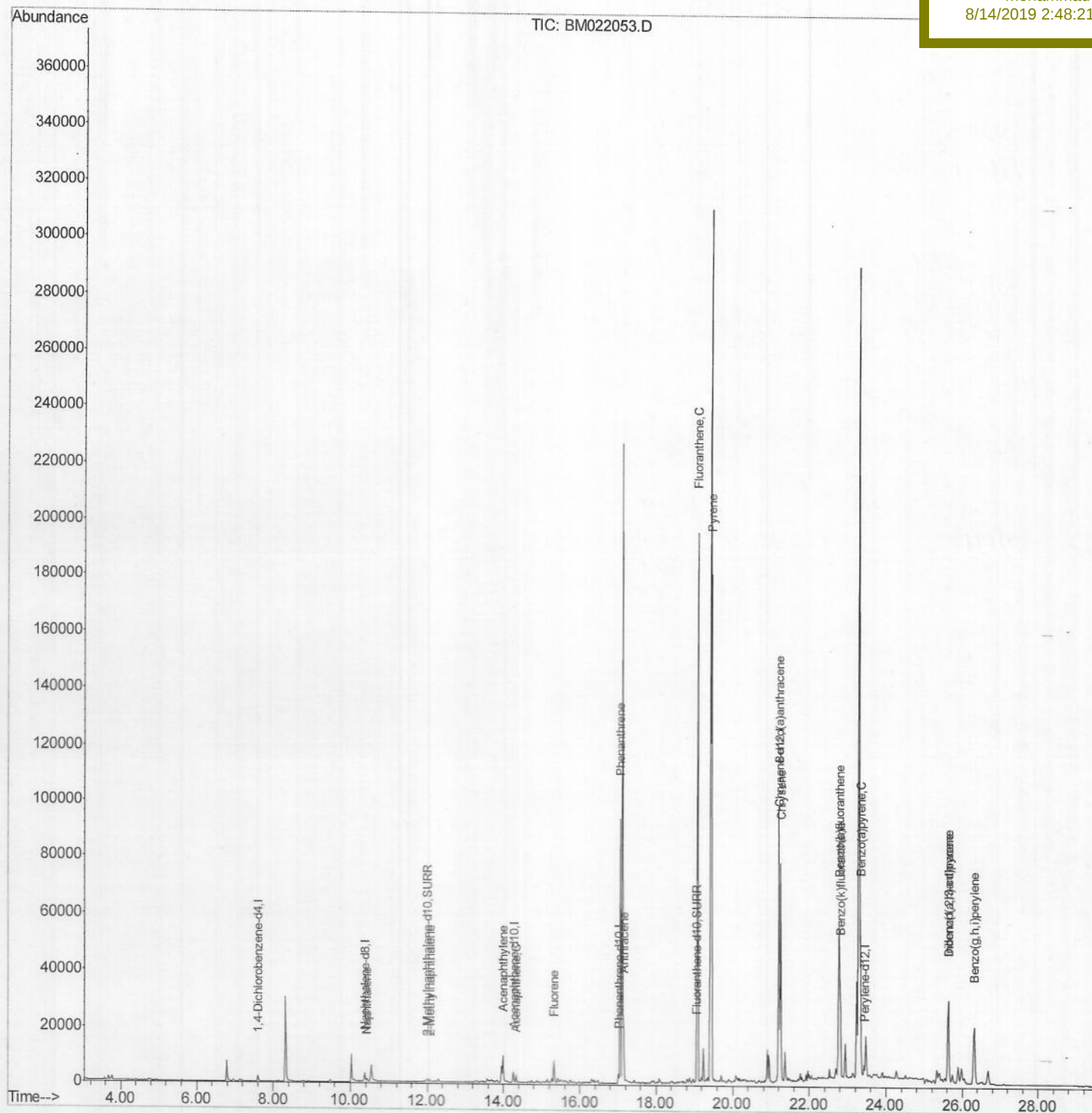
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022053.D  
Acq On : 13 Aug 2019 04:44  
Operator : HP/JU  
Sample : K4041-01  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:15:37 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 Sample Id :  
BENW1

Manual Integrations  
APPROVED

mohammad  
8/14/2019 2:48:21 AM



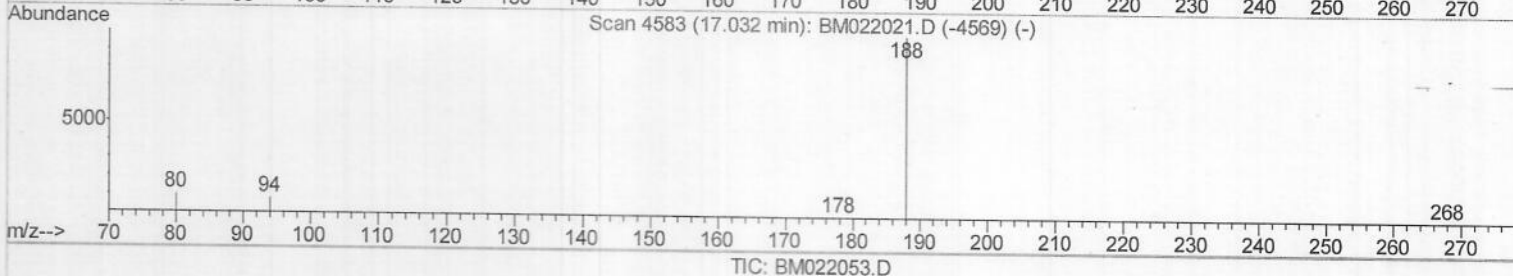
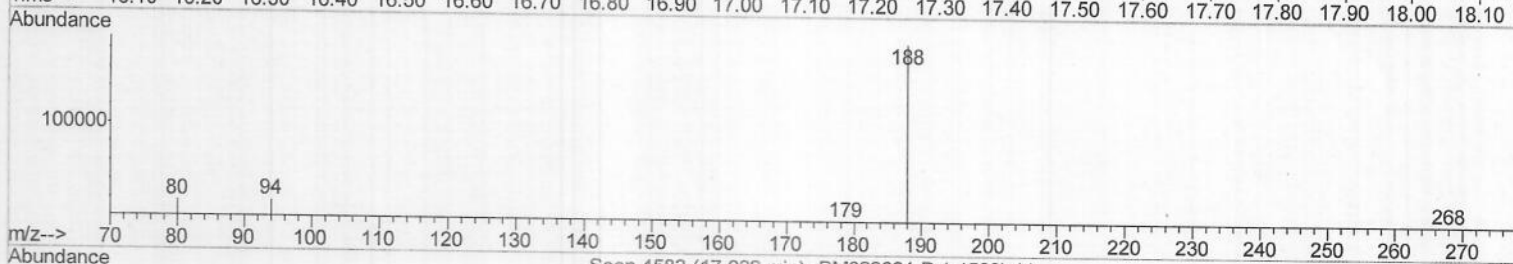
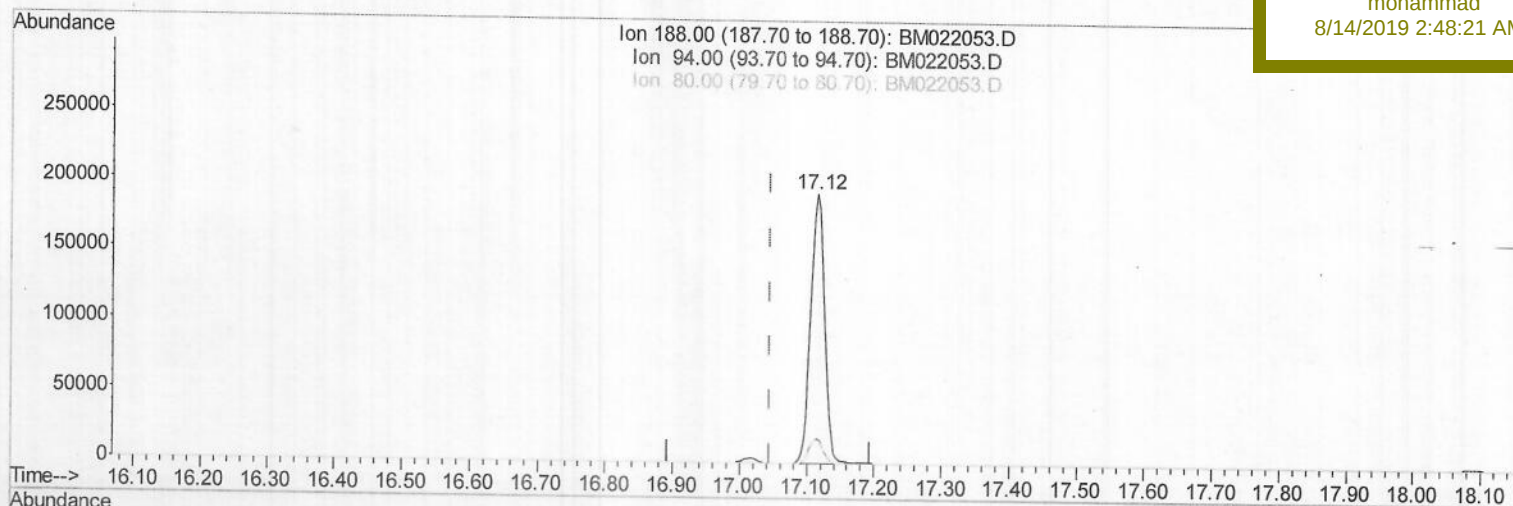
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022053.D  
Acq On : 13 Aug 2019 04:44  
Operator : HP/JU  
Sample : K4041-01  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:11:59 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 :  
BENW1

Manual Integrations  
APPROVED

mohammad  
8/14/2019 2:48:21 AM



(10) Phenanthrene-d10 (I)  
17.116min (+0.071) 0.40ng/ul  
response 269016

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.15  |
| 80.00  | 11.40 | 8.75# |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:11:59 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

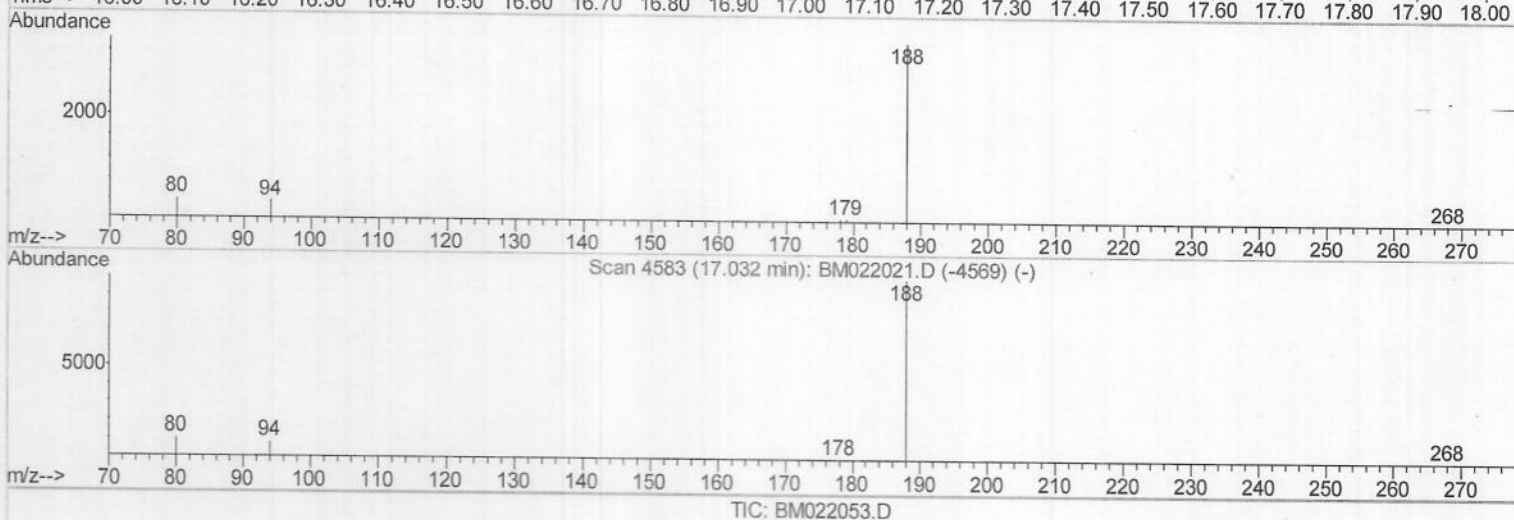
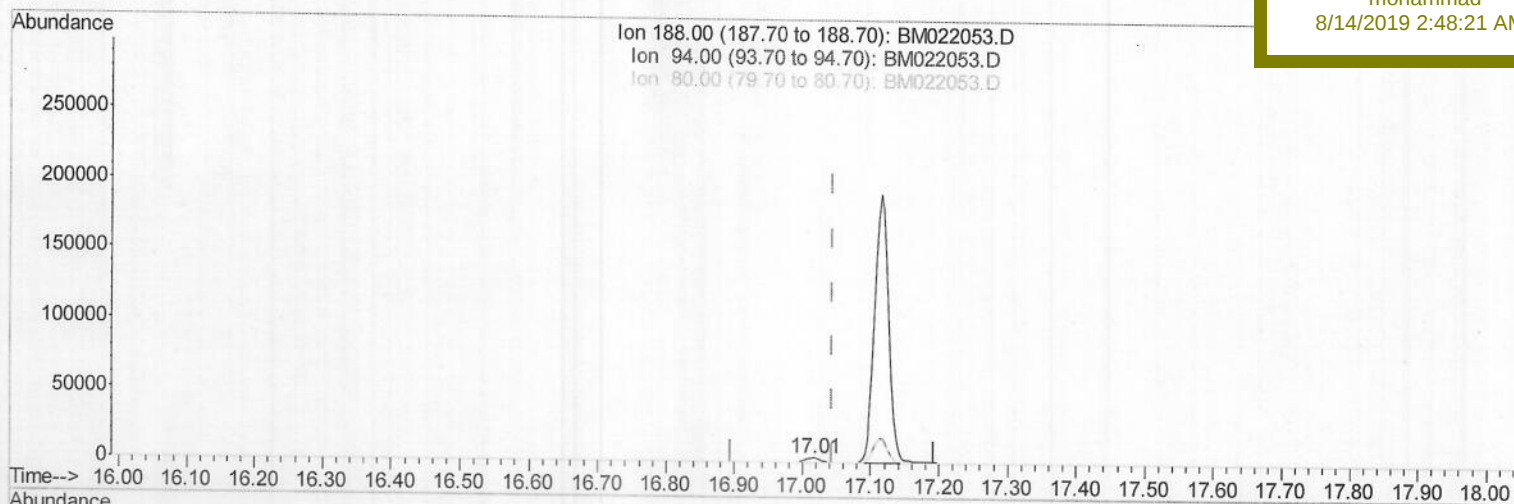
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(10) Phenanthrene-d10 (I)

17.015min (-0.029) 0.40ng/ul m

response 4849

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 10.79 |
| 80.00  | 11.40 | 11.98 |
| 0.00   | 0.00  | 0.00  |

JU  
08/17/19

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

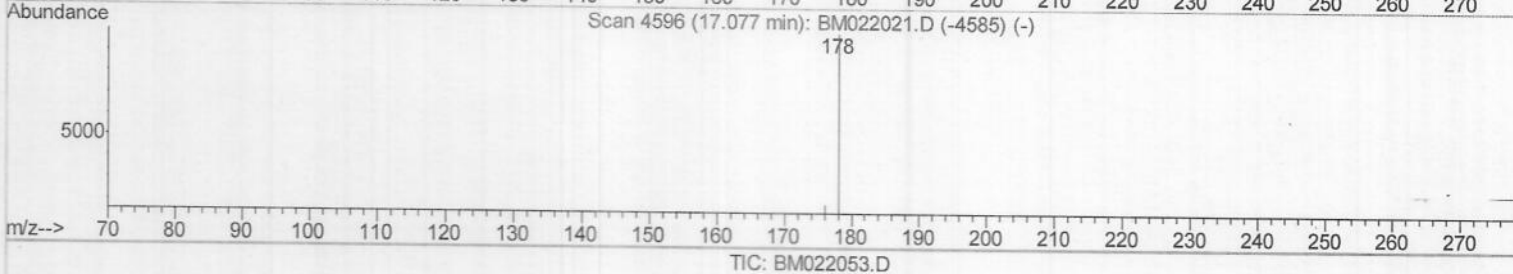
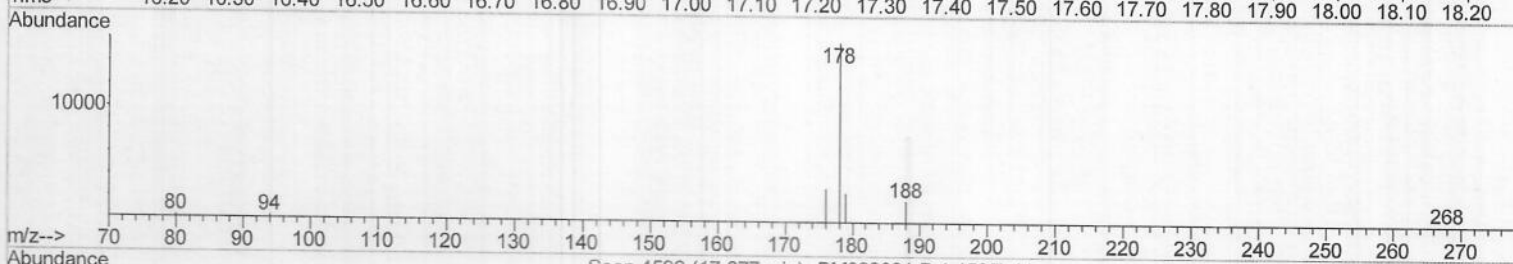
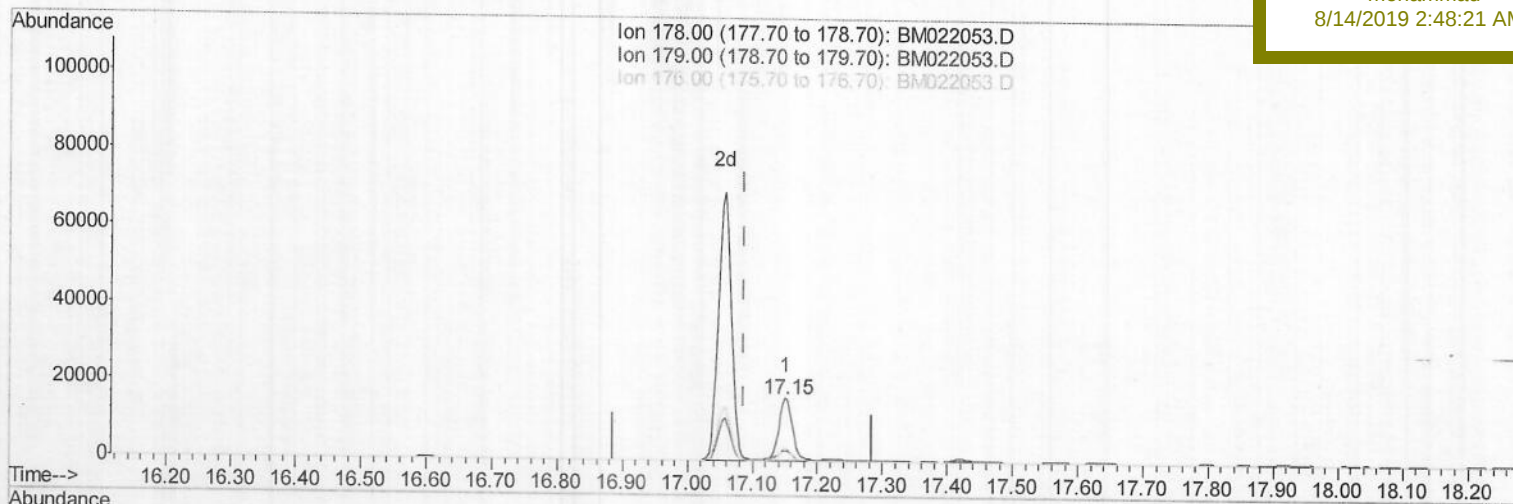
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(12) Phenanthrene

17.150min (+0.064) 1.69ng/ul

response 23838

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 16.42 |
| 176.00 | 21.00 | 19.57 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

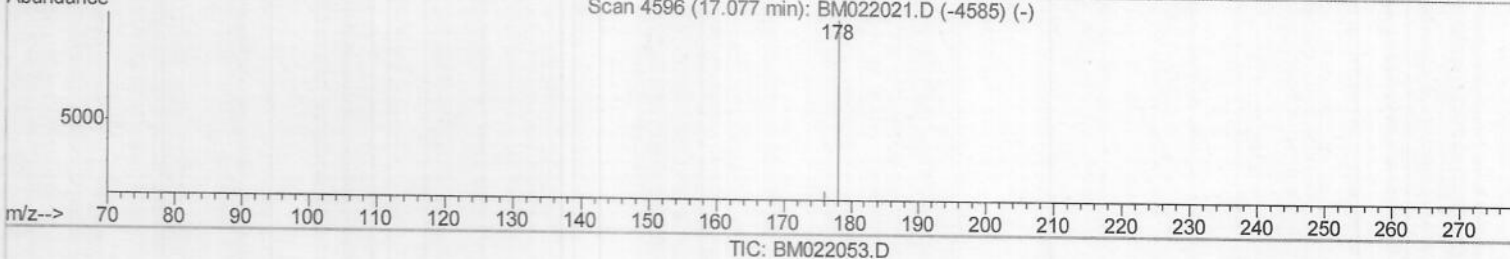
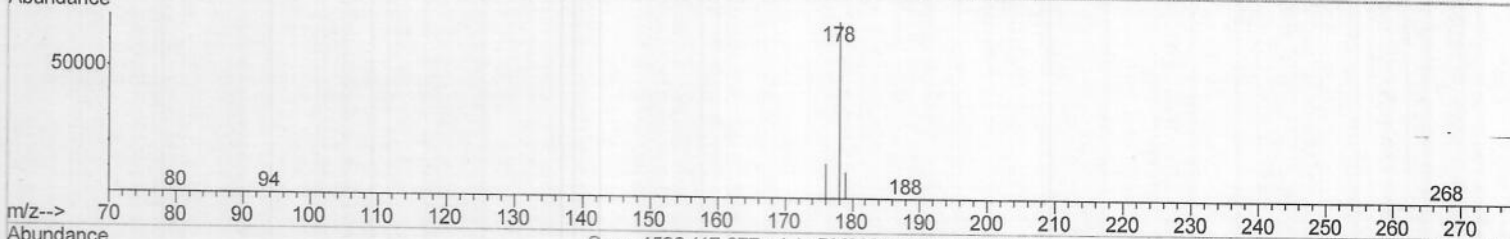
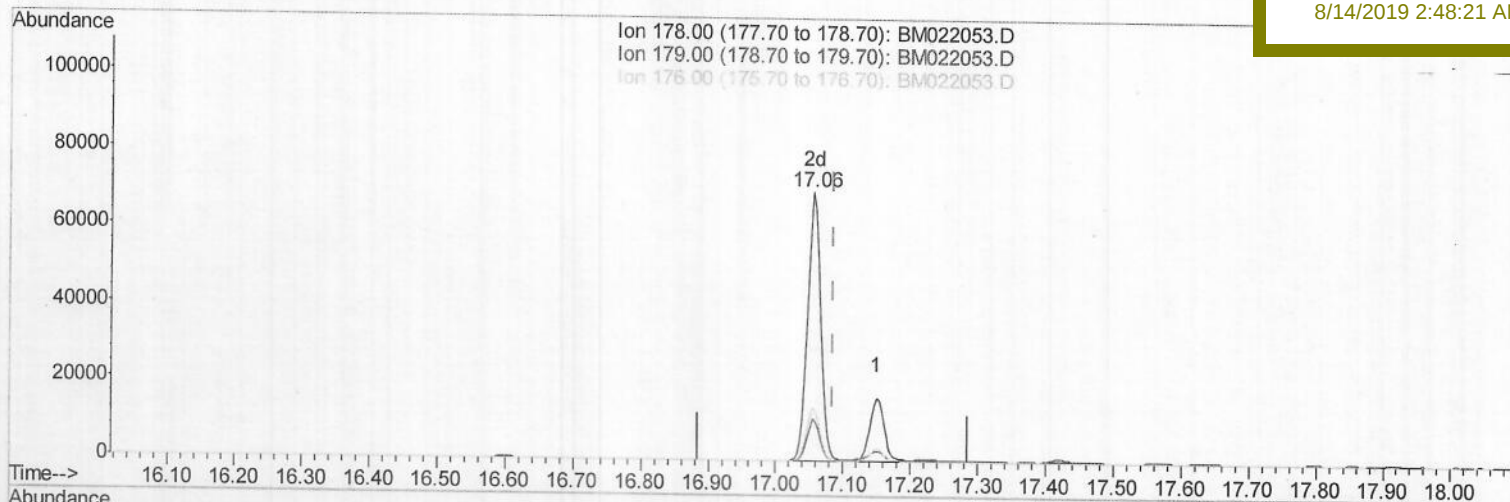
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022053.D  
 Acq On : 13 Aug 2019 04:44  
 Operator : HP/JU  
 Sample : K4041-01  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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 :**  
 BENW1

**Manual Integrations**  
**APPROVED**

mohammad  
 8/14/2019 2:48:21 AM



(12) Phenanthrene

17.057min (-0.029) 6.84ng/ul m *JU*  
*08/14/19*  
 response 96558

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 15.39 |
| 176.00 | 21.00 | 19.68 |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

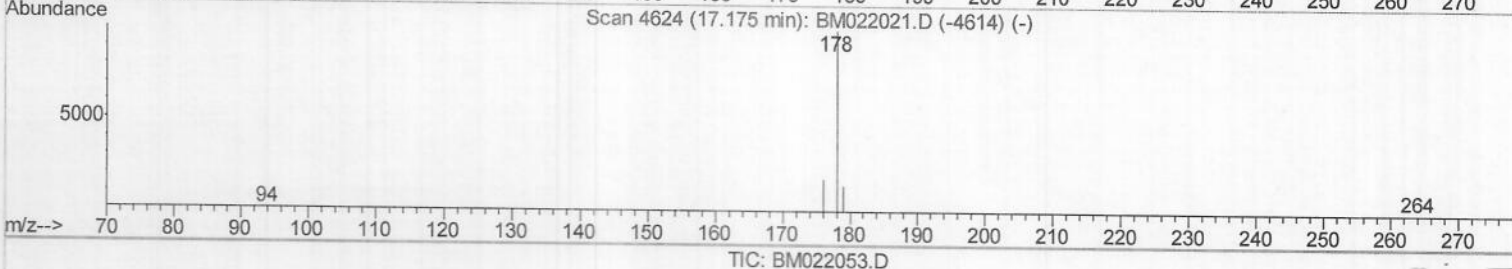
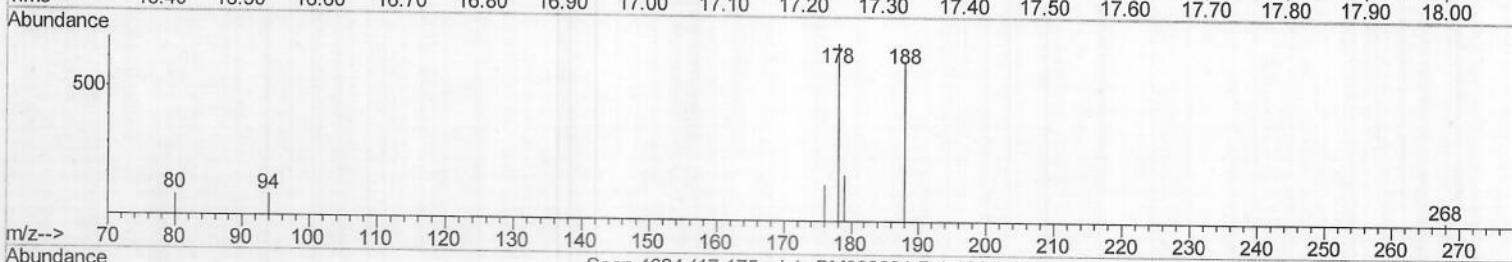
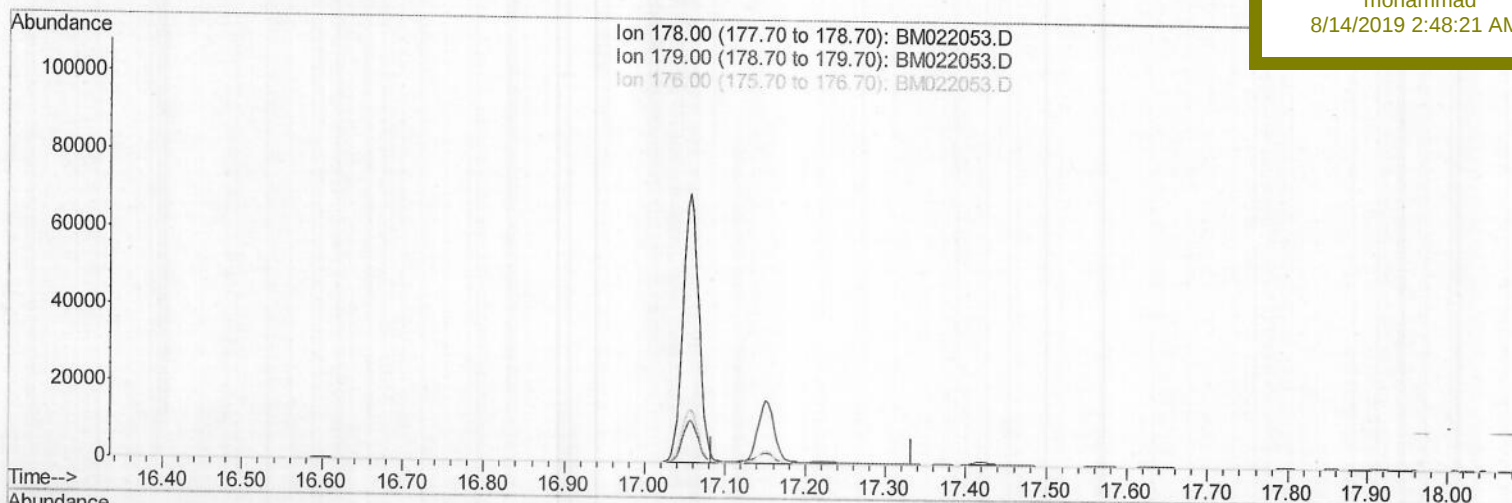
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(13) Anthracene

17.183min (-17.183) 0.00ng/ul

response 0

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

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

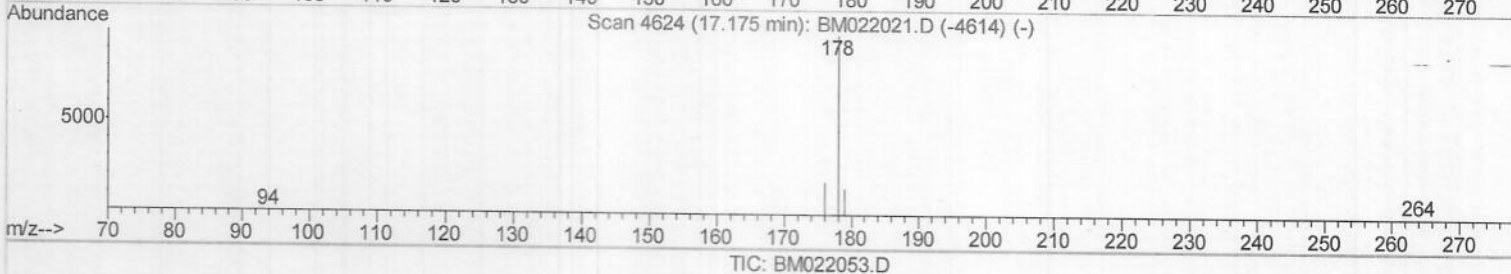
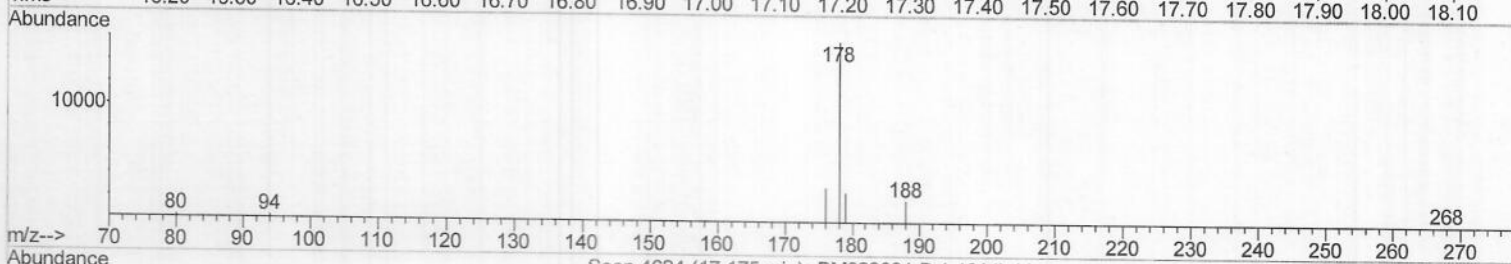
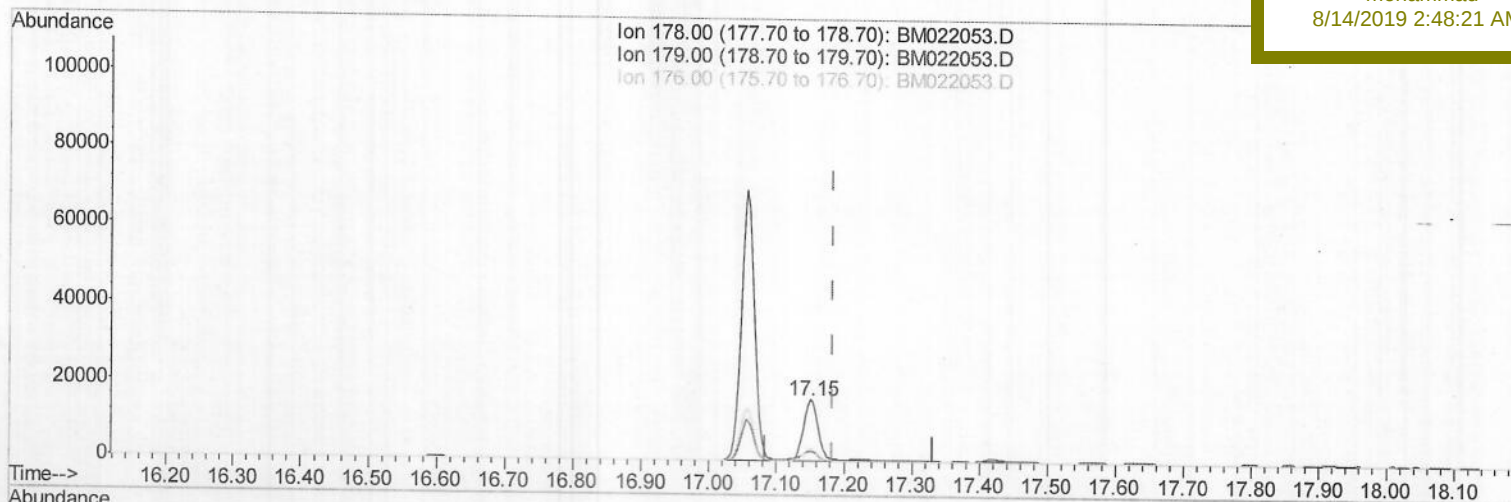
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(13) Anthracene

17.150min (-0.033) 1.98ng/ul m

response 23783

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

|        |     |     |
|--------|-----|-----|
| 178.00 | 100 | 100 |
|--------|-----|-----|

|        |       |       |
|--------|-------|-------|
| 179.00 | 19.40 | 16.42 |
|--------|-------|-------|

|        |       |       |
|--------|-------|-------|
| 176.00 | 20.80 | 19.57 |
|--------|-------|-------|

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

JU  
08/14/19

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

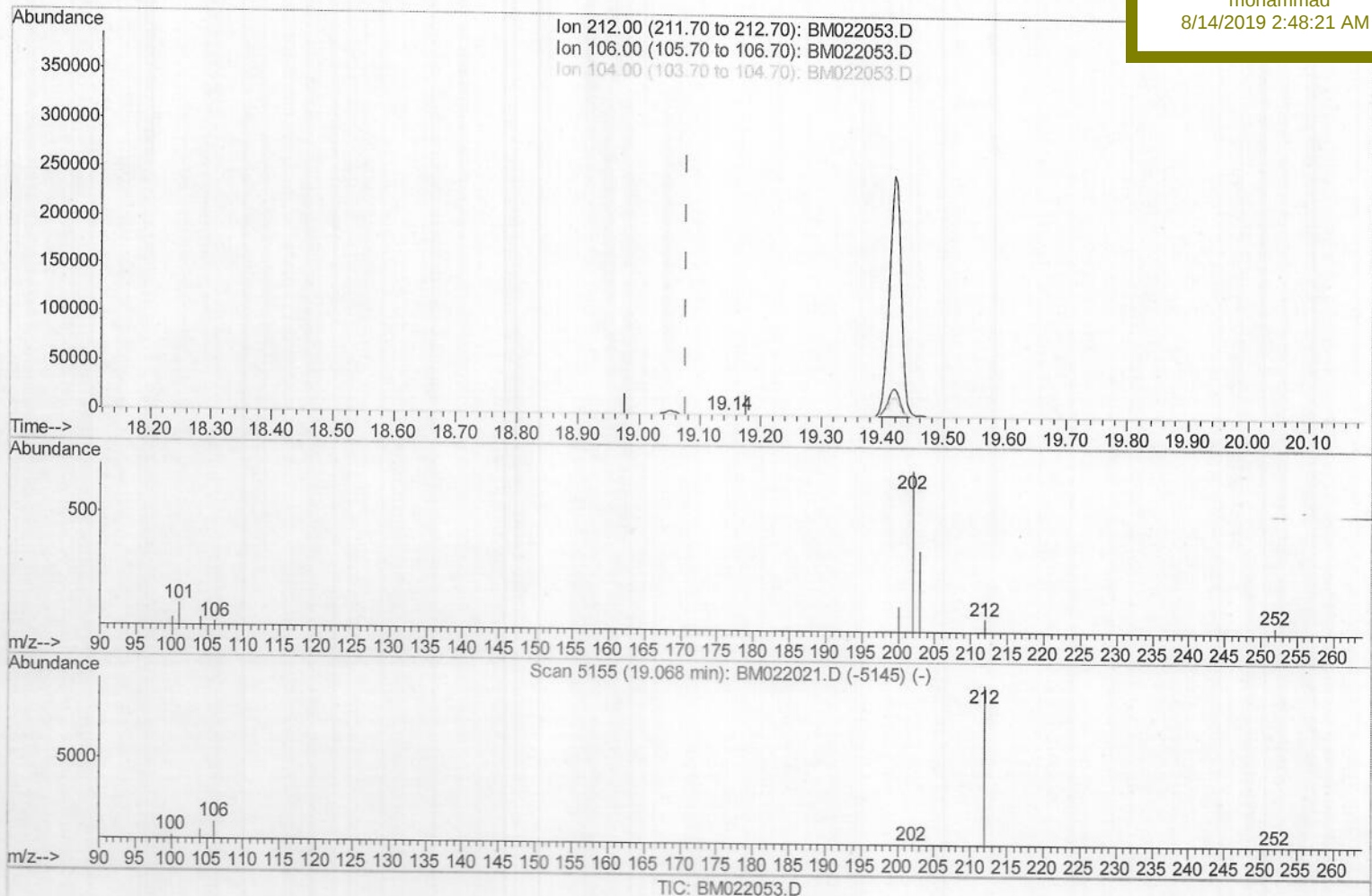
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(14) Fluoranthene-d10 (SURR)

19.144min (+0.067) 0.00ng/ul

response 75

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 212.00 | 100  | 100    |
| 106.00 | 9.90 | 0.00#  |
| 104.00 | 6.00 | 32.00# |
| 0.00   | 0.00 | 0.00   |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

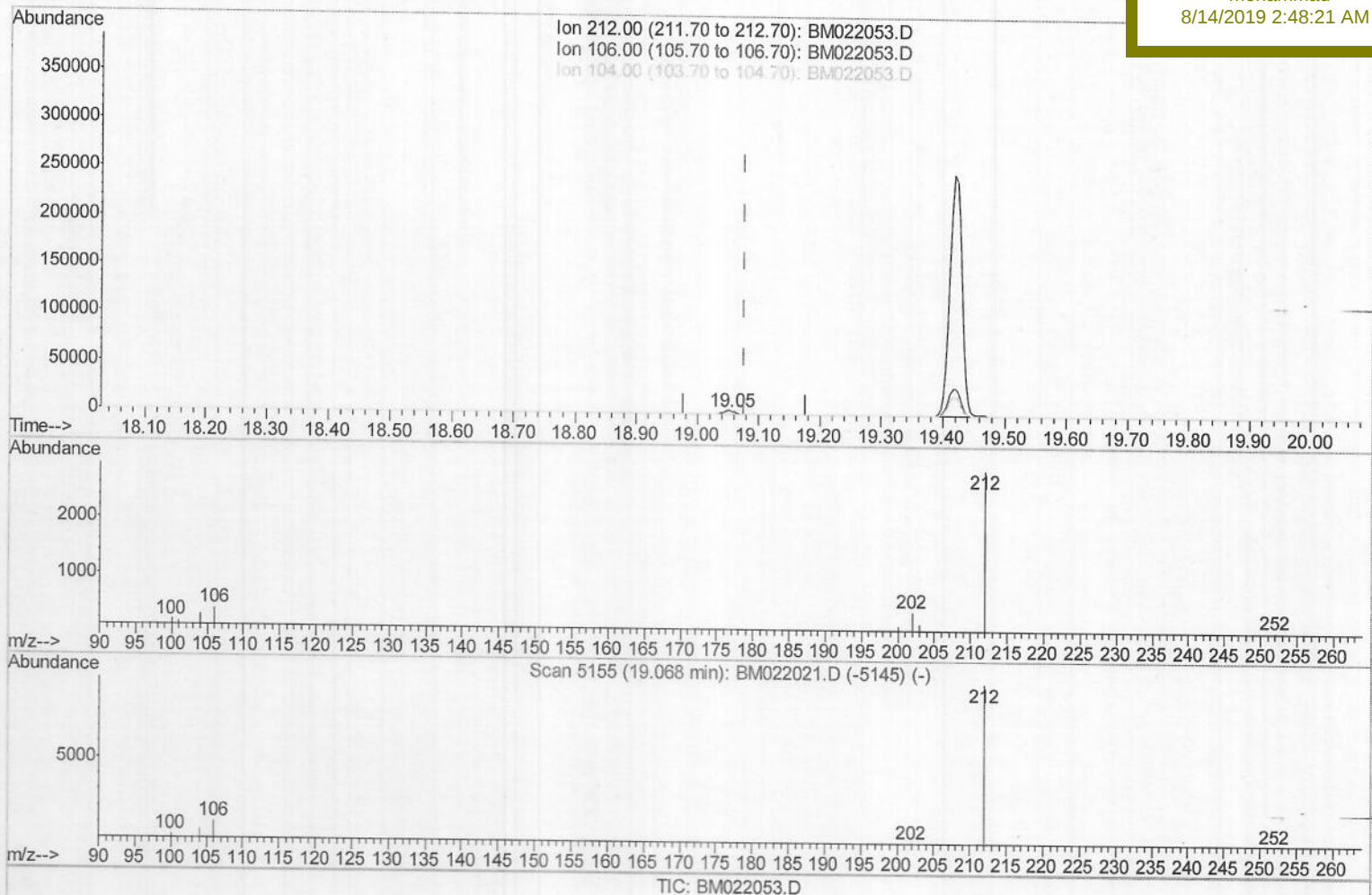
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(14) Fluoranthene-d10 (SURR)

19.053min (-0.024) 0.25ng/ul m

response 4118

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.58# |
| 0.00   | 0.00 | 0.00  |

JU  
08/14/19

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

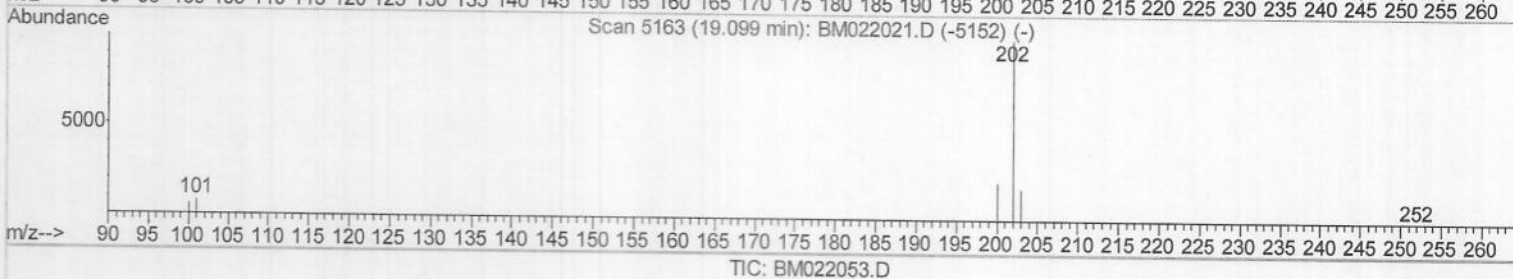
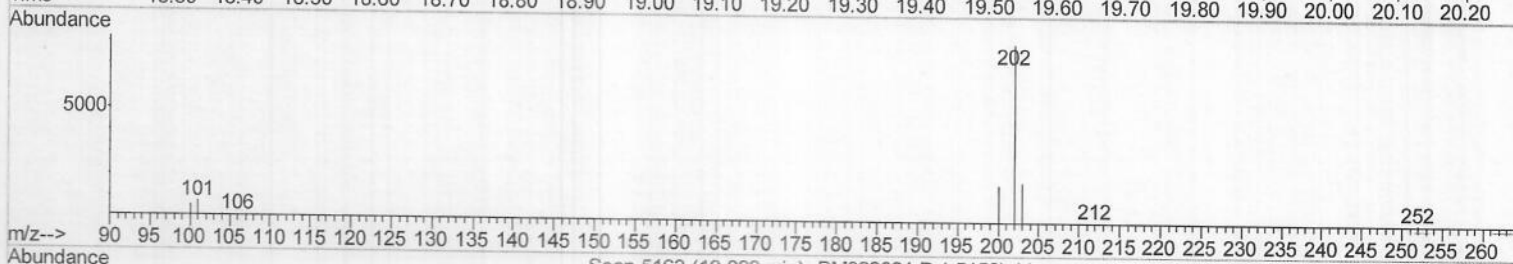
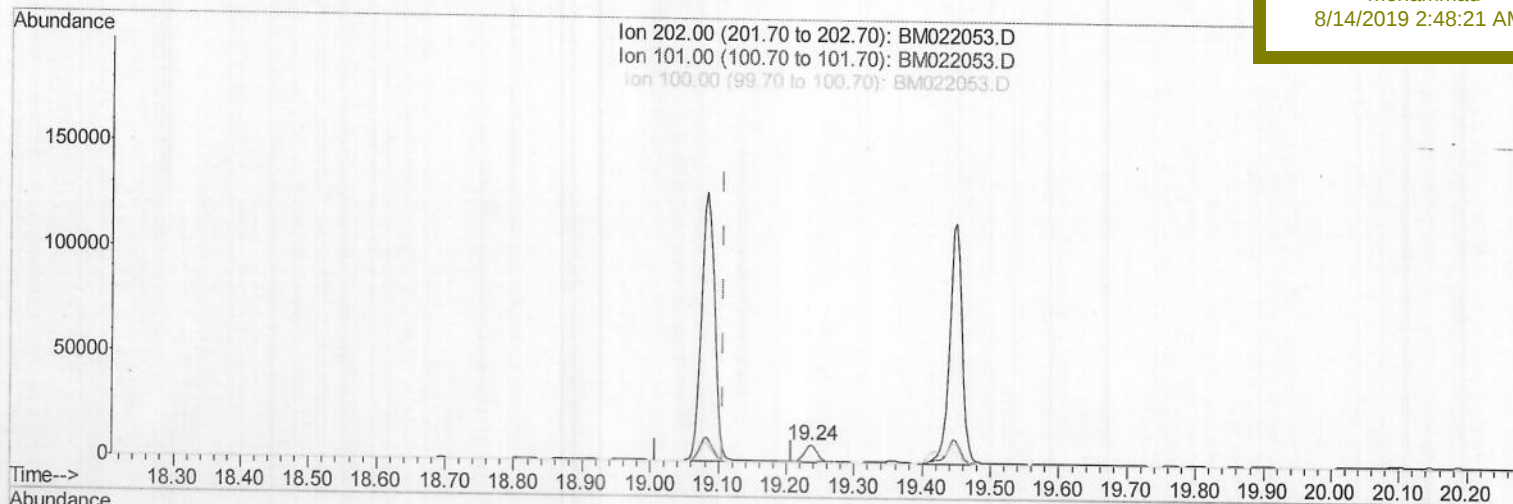
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(15) Fluoranthene (C)

19.236min (+0.128) 0.54ng/ul

response 10118

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 9.06 |
| 100.00 | 8.10  | 7.24 |
| 0.00   | 0.00  | 0.00 |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

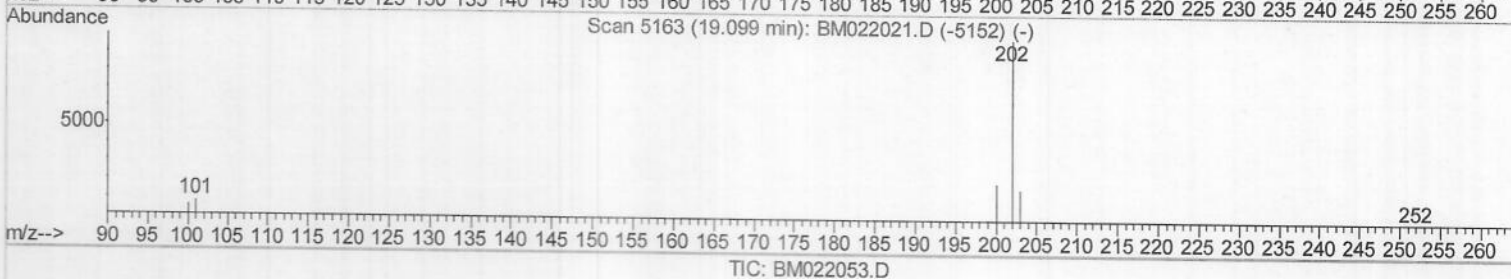
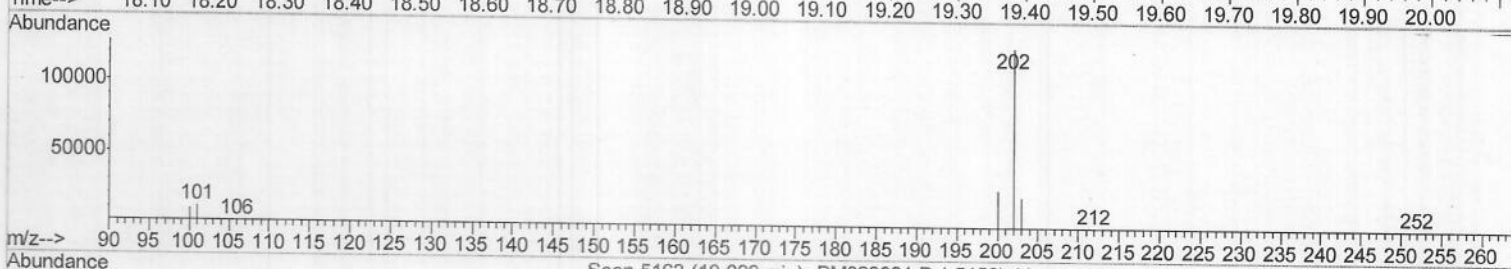
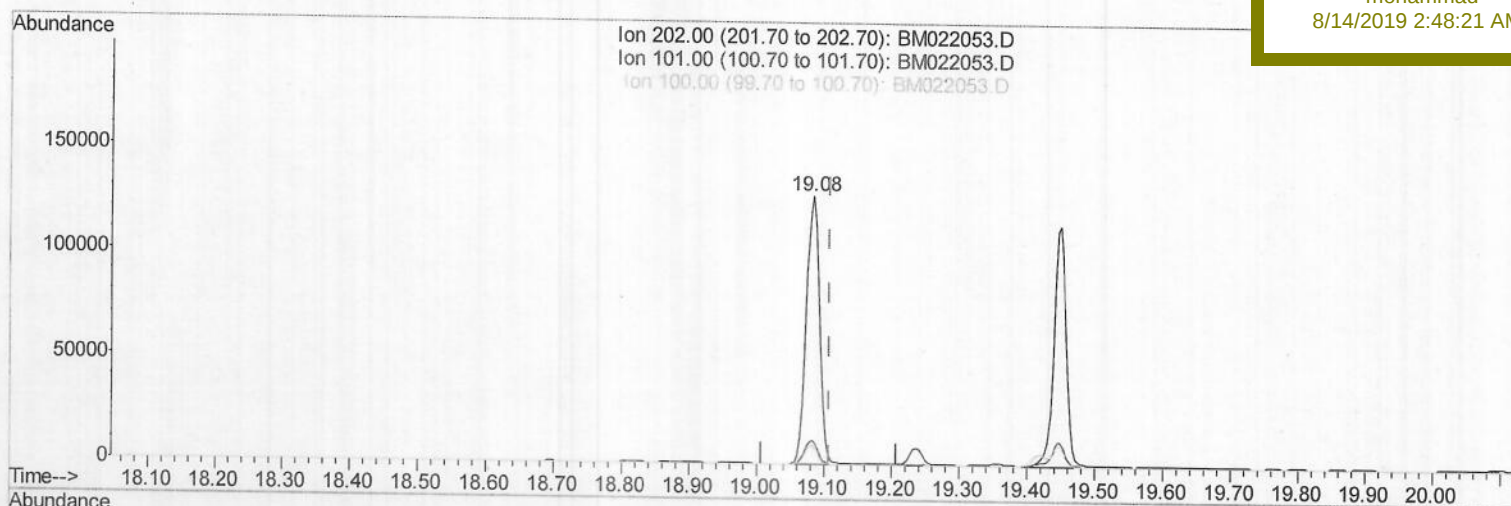
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(15) Fluoranthene (C)

19.083min (-0.024) 9.08ng/ul m

response 171550

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 8.59 |
| 100.00 | 8.10  | 6.61 |
| 0.00   | 0.00  | 0.00 |

JU  
08/17/19

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

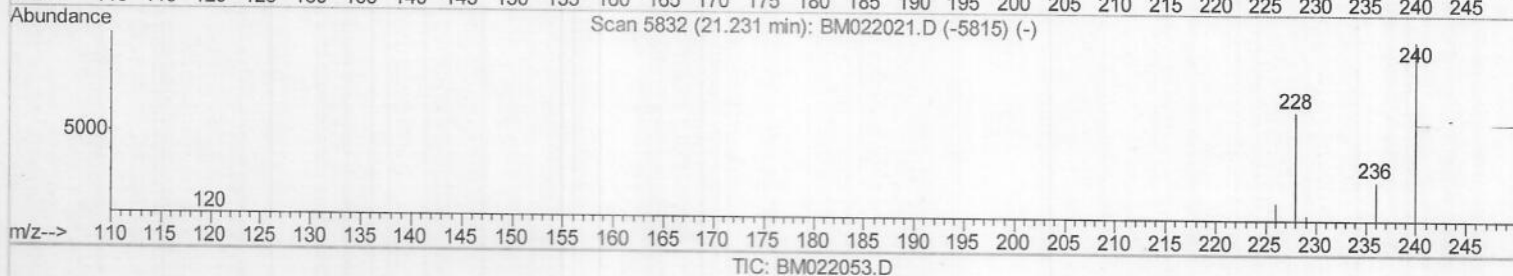
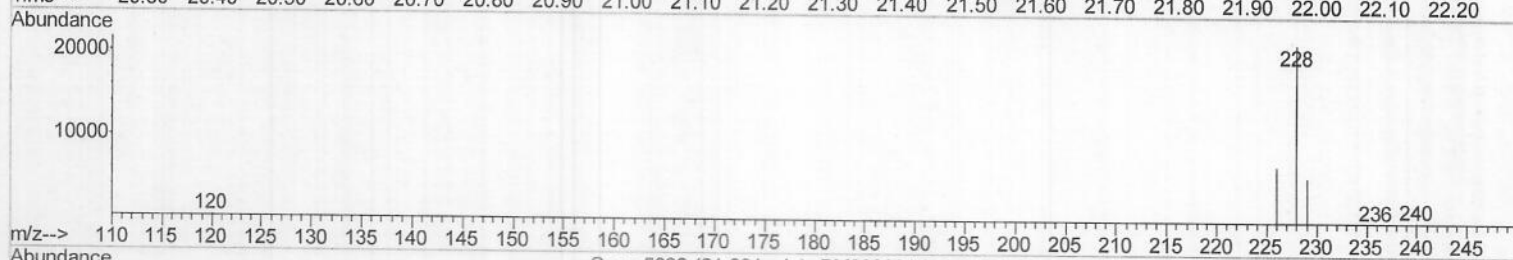
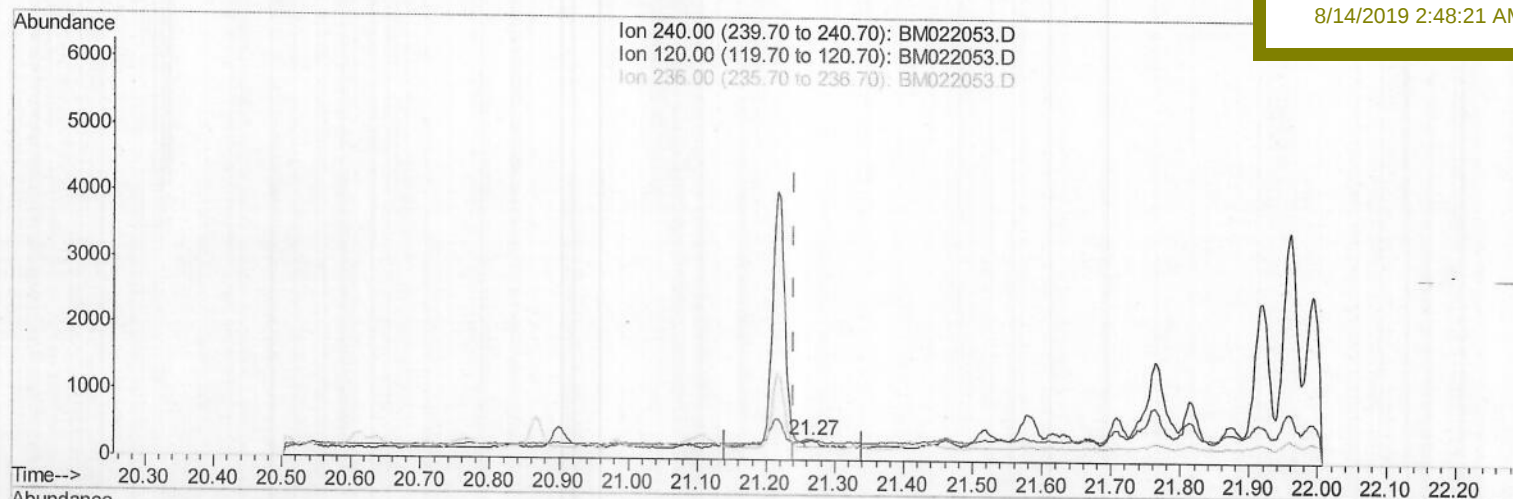
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(16) Chrysene-d12 (I)

21.265min (+0.024) 0.40ng/ul

response 116

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 16.20 | 106.27# |
| 236.00 | 32.30 | 64.03#  |
| 0.00   | 0.00  | 0.00    |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:12:26 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

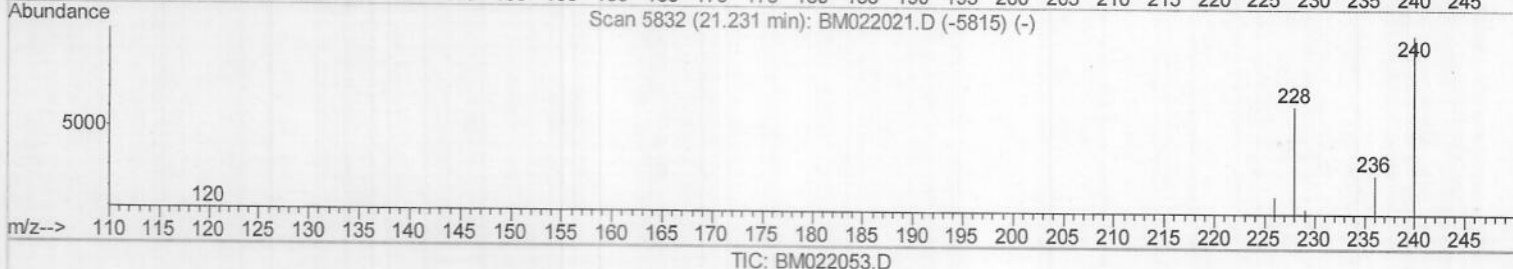
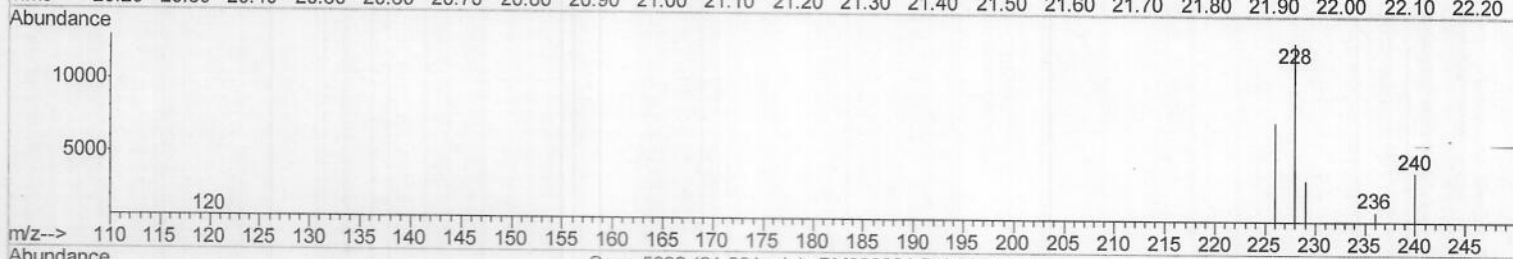
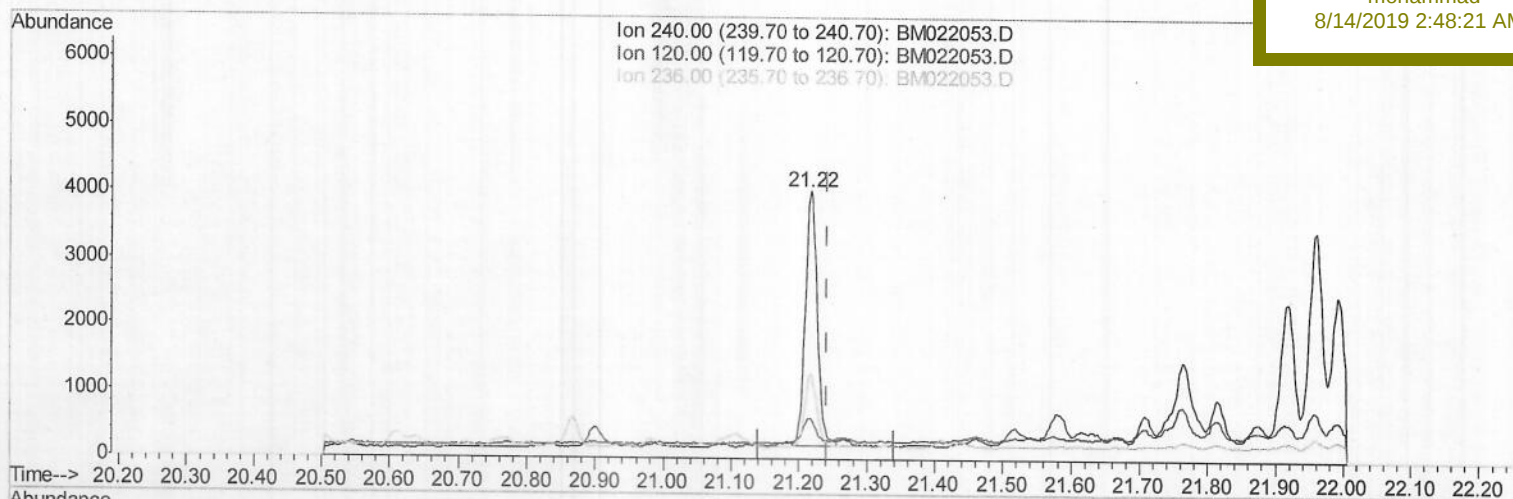
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(16) Chrysene-d12 (I)

21.217min (-0.024) 0.40ng/ul m ) JU  
08/14/19

response 4707

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 16.20 | 15.14 |
| 236.00 | 32.30 | 31.92 |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:13:56 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

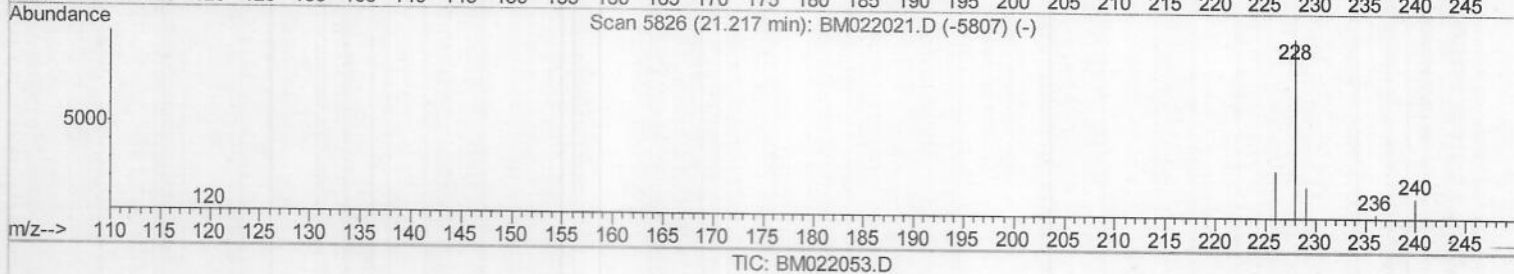
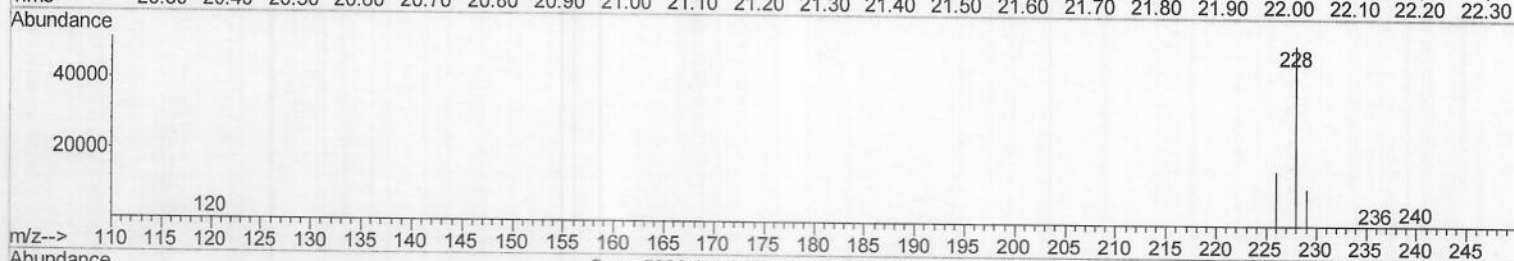
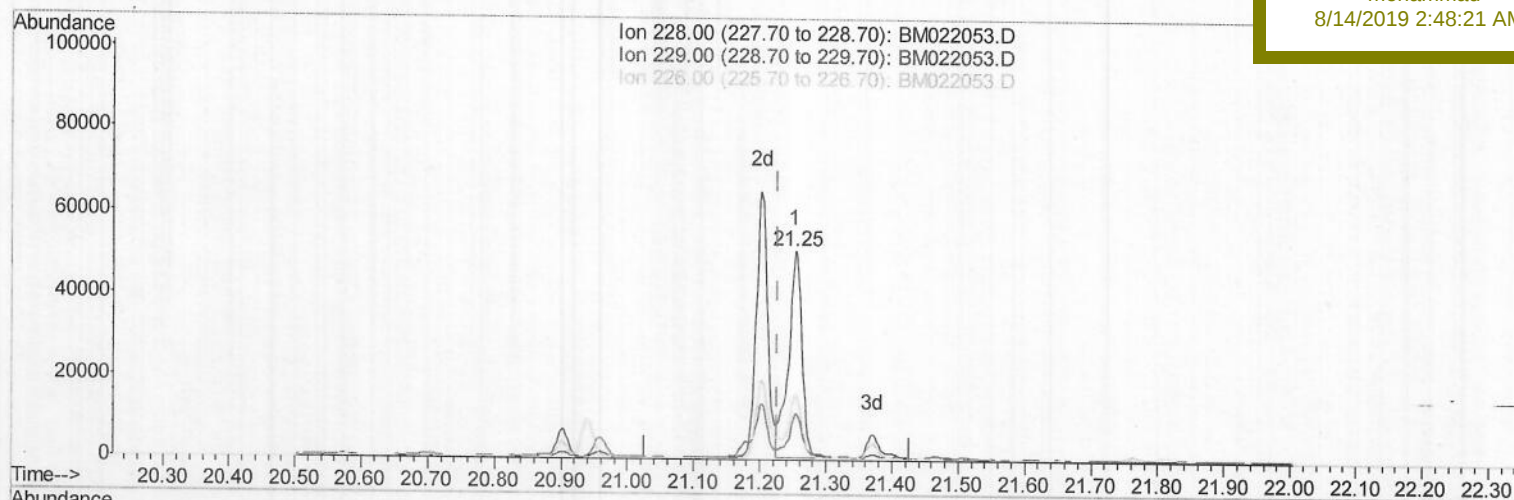
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(18) Benzo(a)anthracene

21.253min (+0.026) 4.37ng/ul

response 73499

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 21.50 | 21.83 |
| 226.00 | 28.30 | 31.39 |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:13:56 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

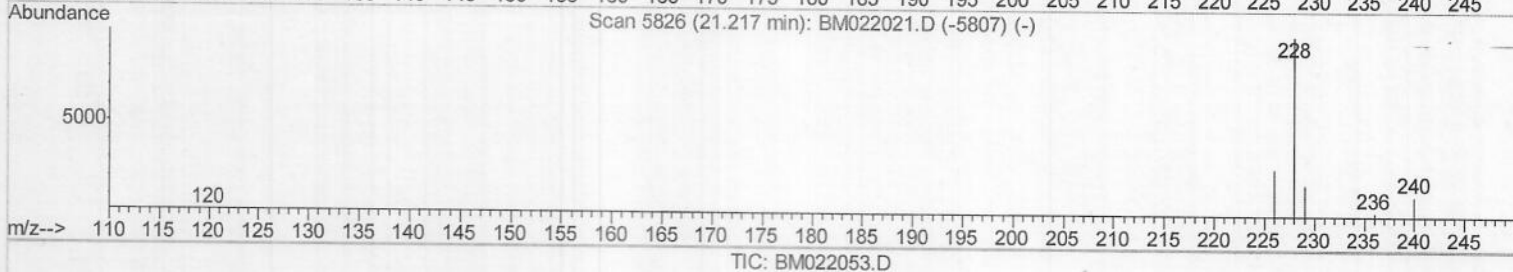
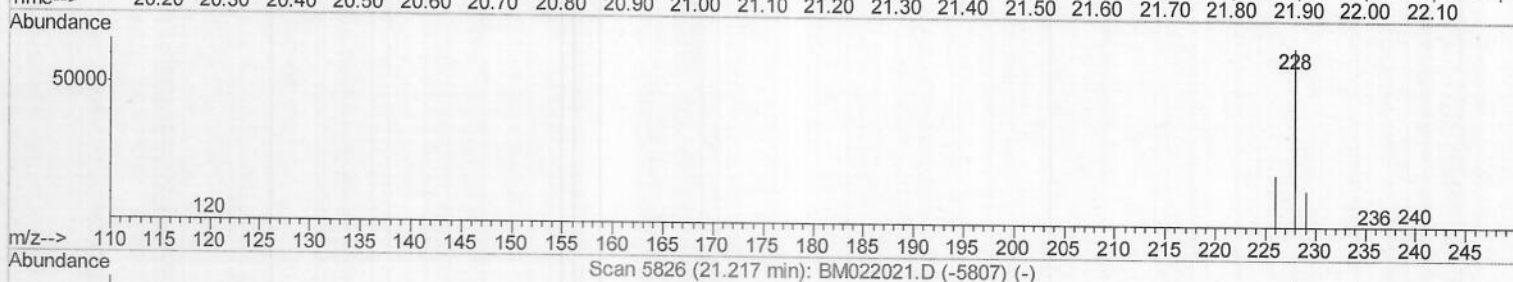
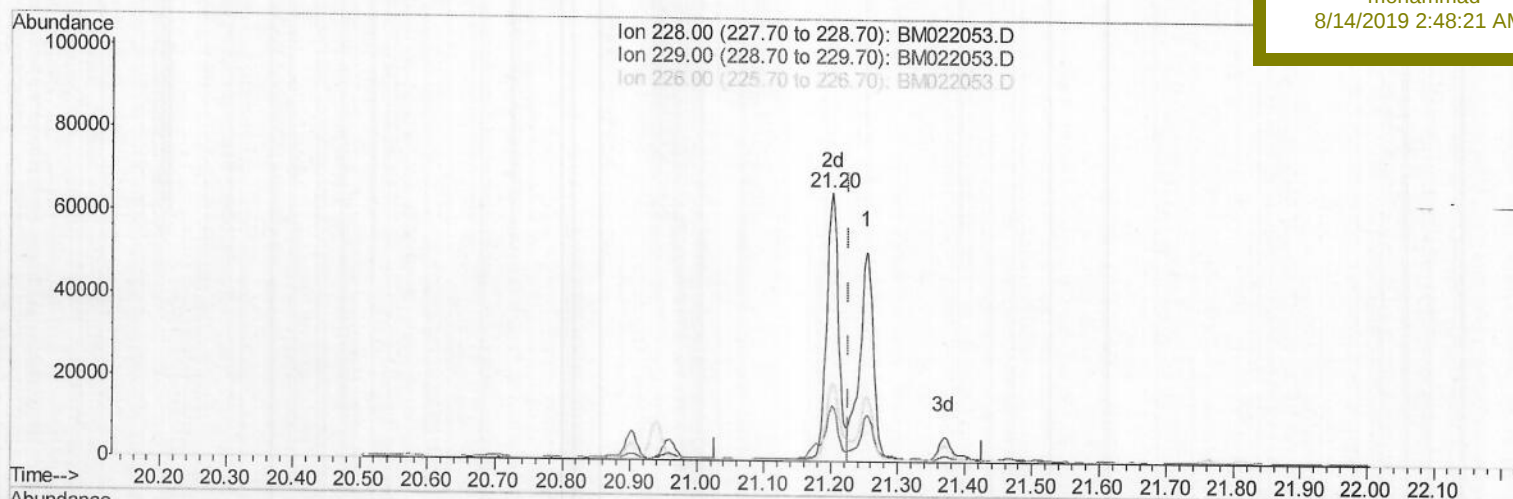
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(18) Benzo(a)anthracene

21.202min (-0.024) 4.88ng/ul m

response 82132

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 21.50 | 20.73 |
| 226.00 | 28.30 | 29.57 |
| 0.00   | 0.00  | 0.00  |

JU  
08/11/19

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:13:56 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

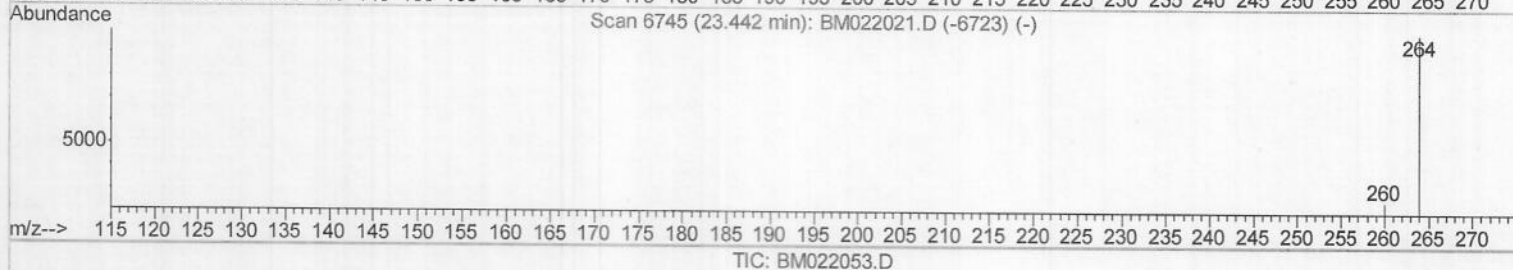
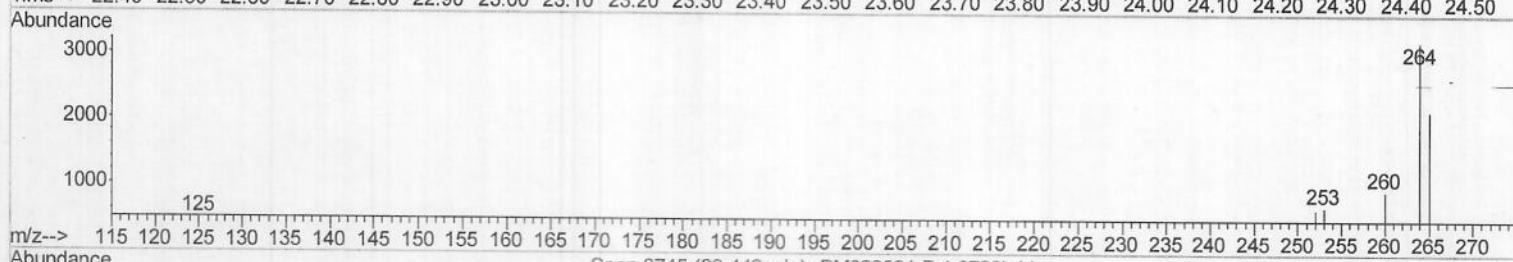
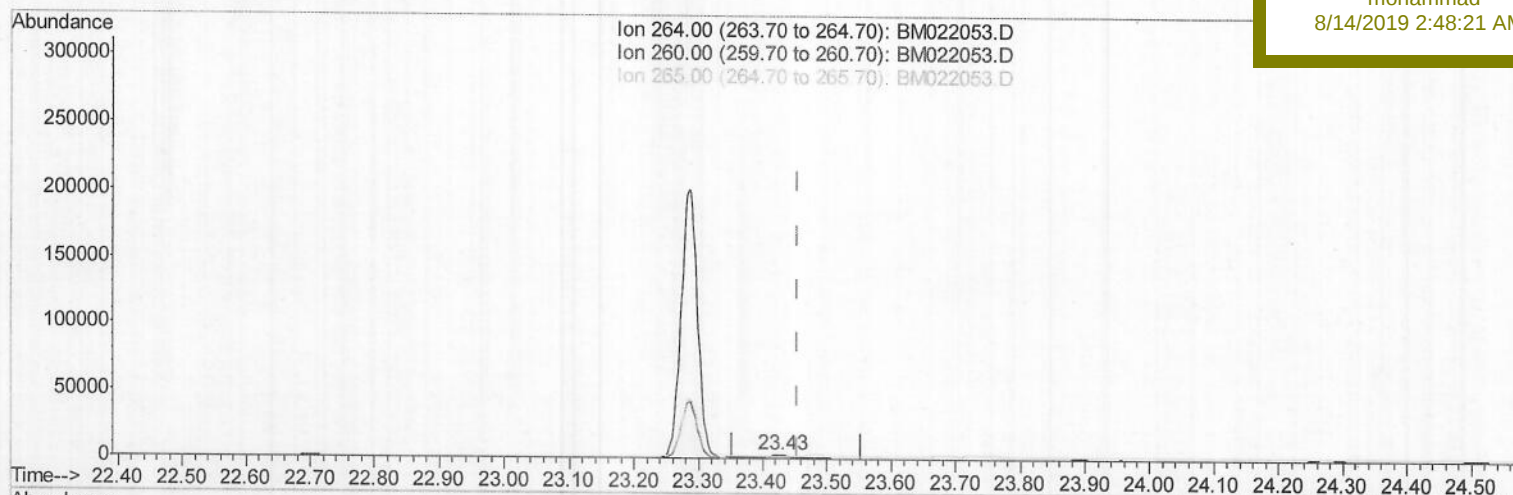
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul

response 6172

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 28.58  |
| 265.00 | 117.00 | 66.61# |
| 0.00   | 0.00   | 0.00   |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:13:56 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

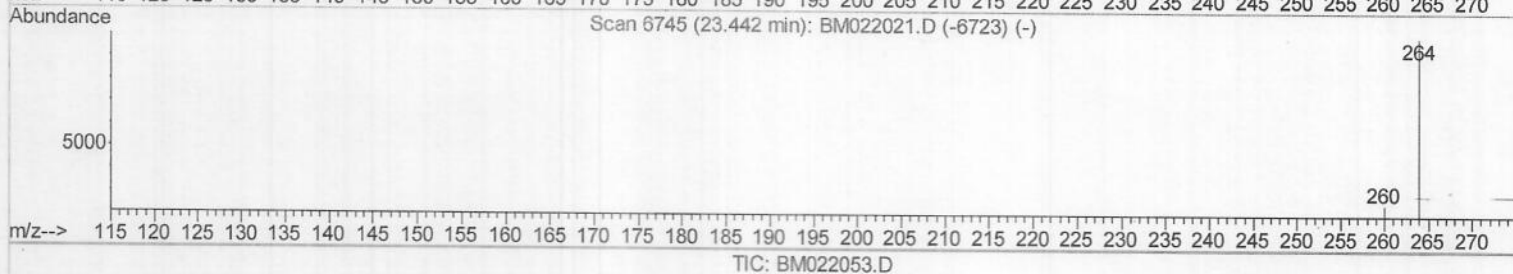
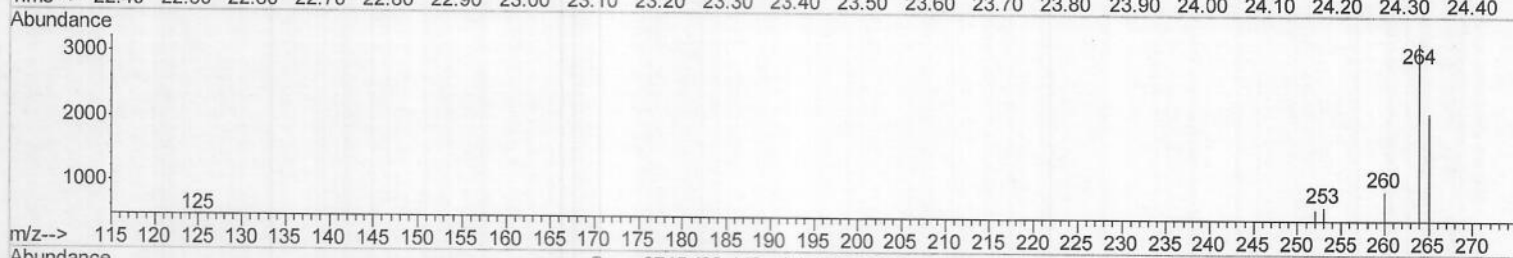
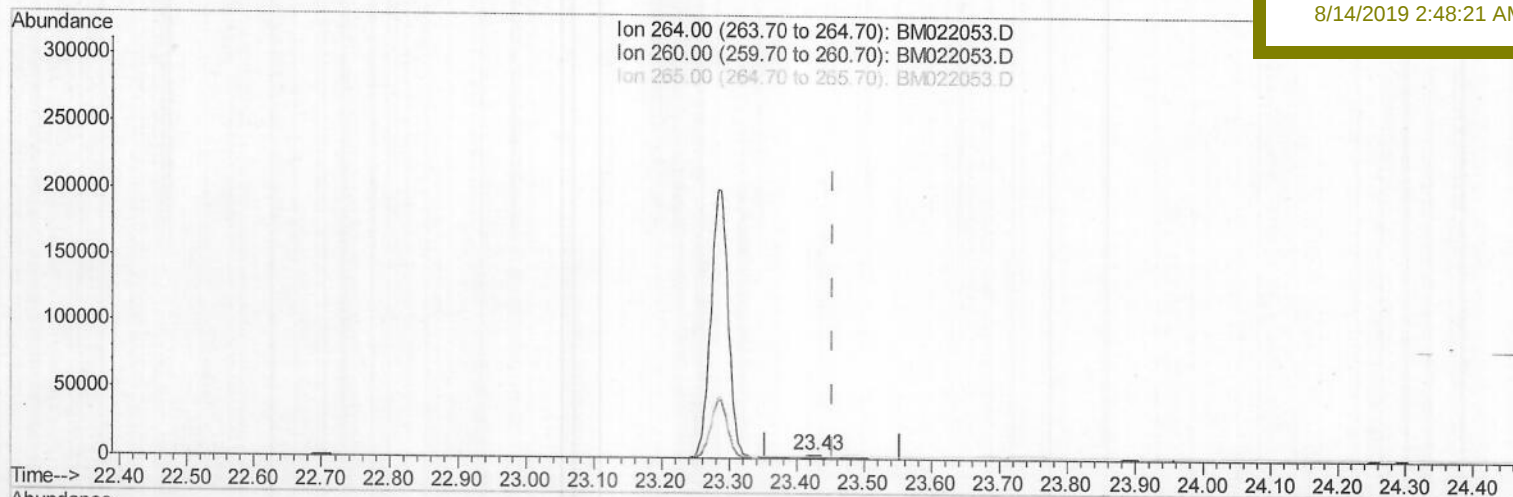
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul m) JU

response 4806

08/17/19

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 28.58  |
| 265.00 | 117.00 | 66.61# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

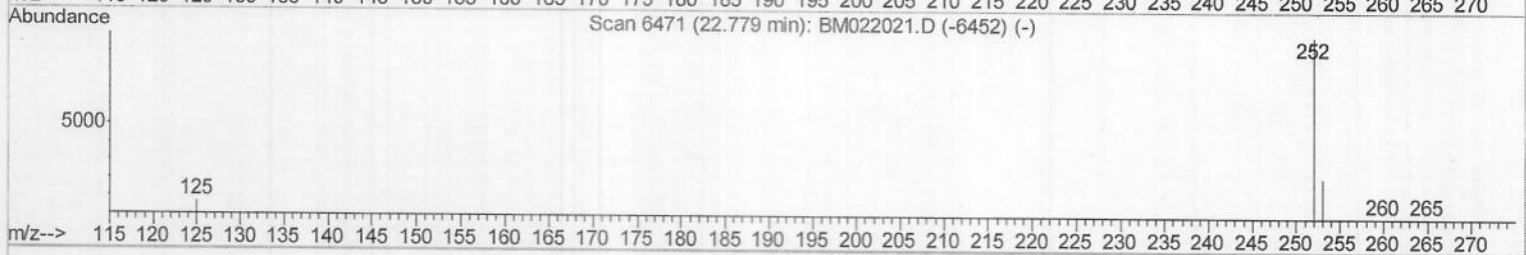
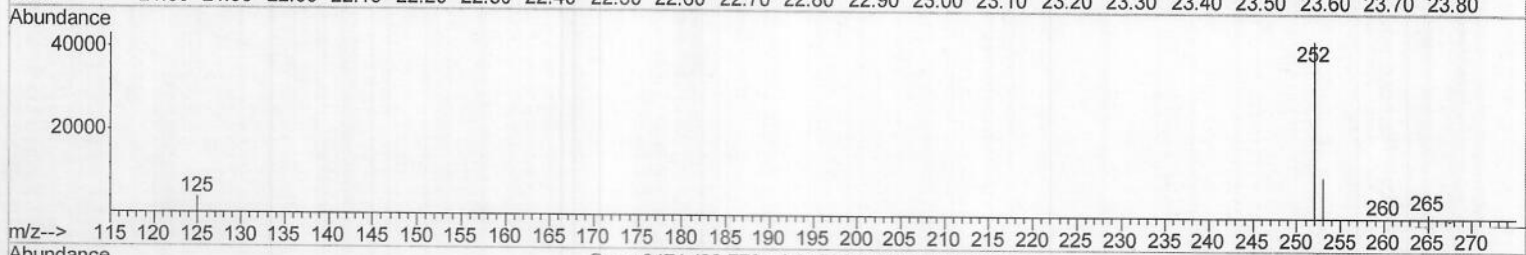
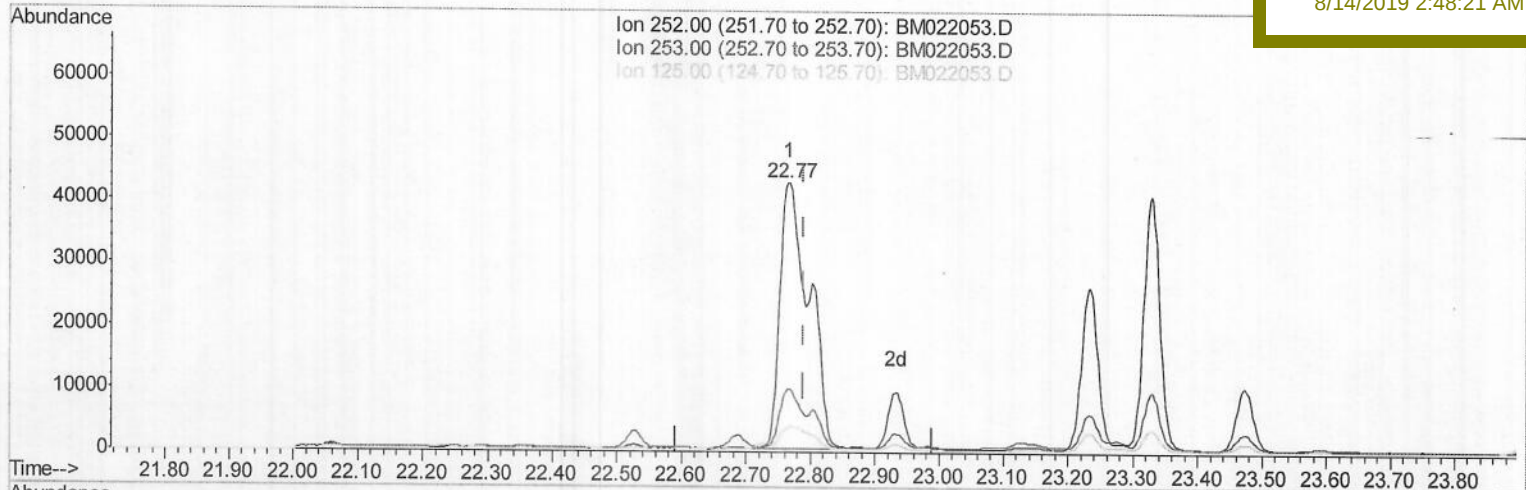
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022053.D  
 Acq On : 13 Aug 2019 04:44  
 Operator : HP/JU  
 Sample : K4041-01  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENW1

Quant Time: Aug 13 09:14:48 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

mohammad  
 8/14/2019 2:48:21 AM



TIC: BM022053.D

(21) Benzo(b)fluoranthene  
 22.766min (-0.024) 8.30ng/ul  
 response 134445

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.68 |
| 125.00 | 15.50 | 9.13  |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:14:48 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

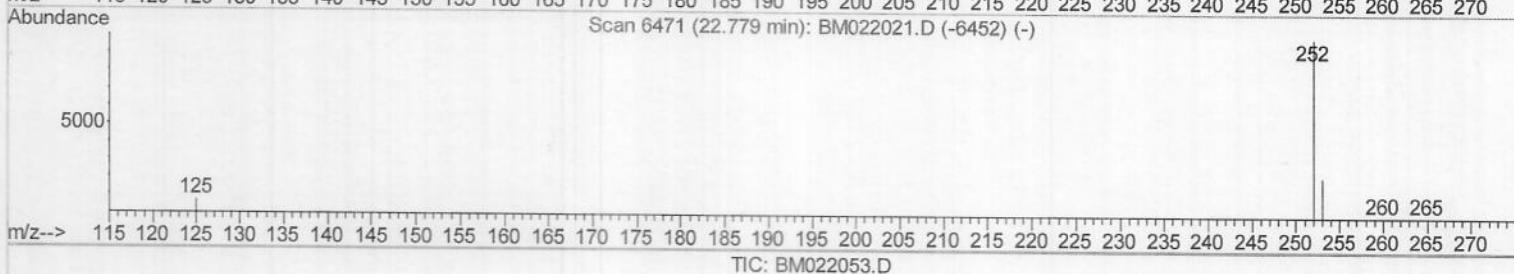
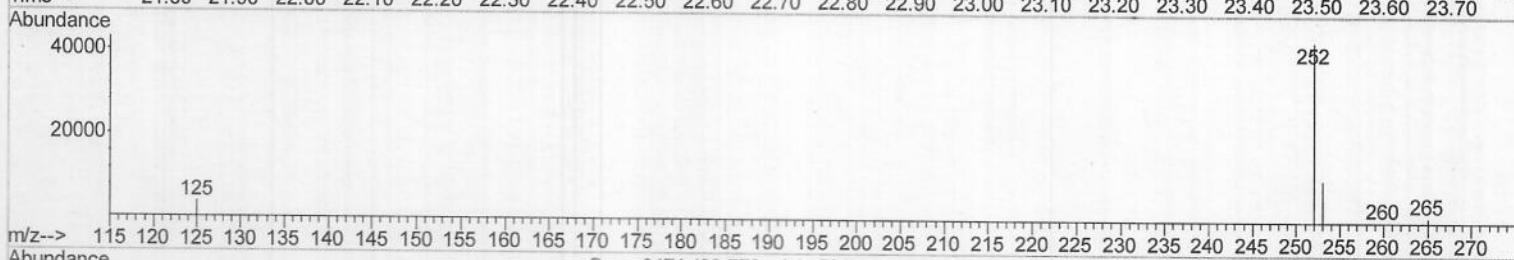
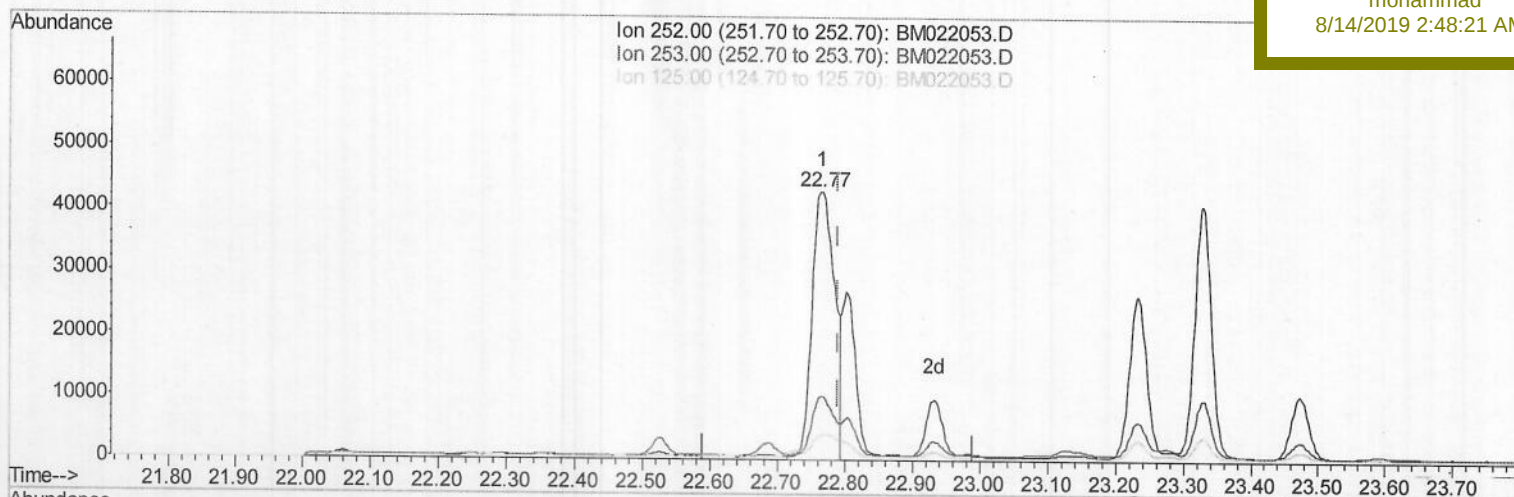
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(21) Benzo(b)fluoranthene

22.766min (-0.024) 6.10ng/ul m )JU  
08117119

response 98880

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.68 |
| 125.00 | 15.50 | 9.13  |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:14:48 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

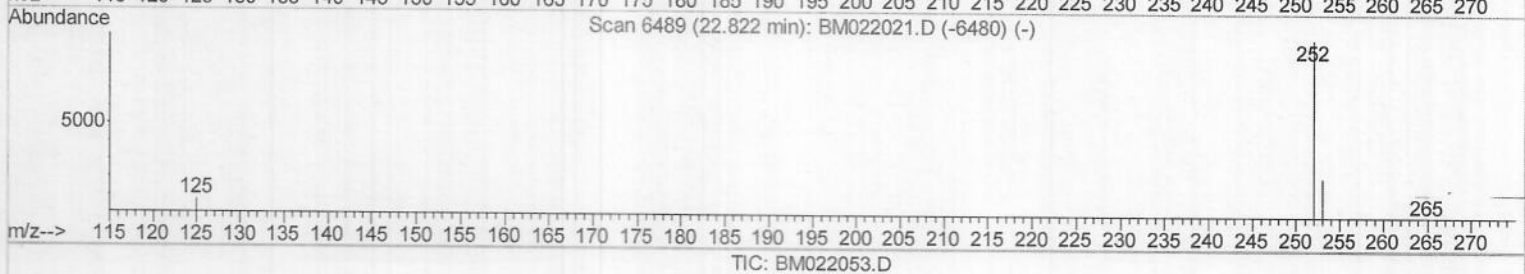
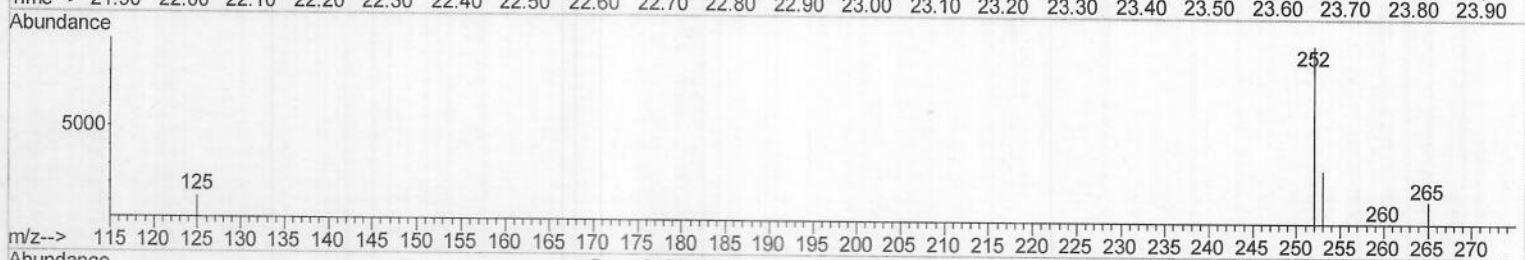
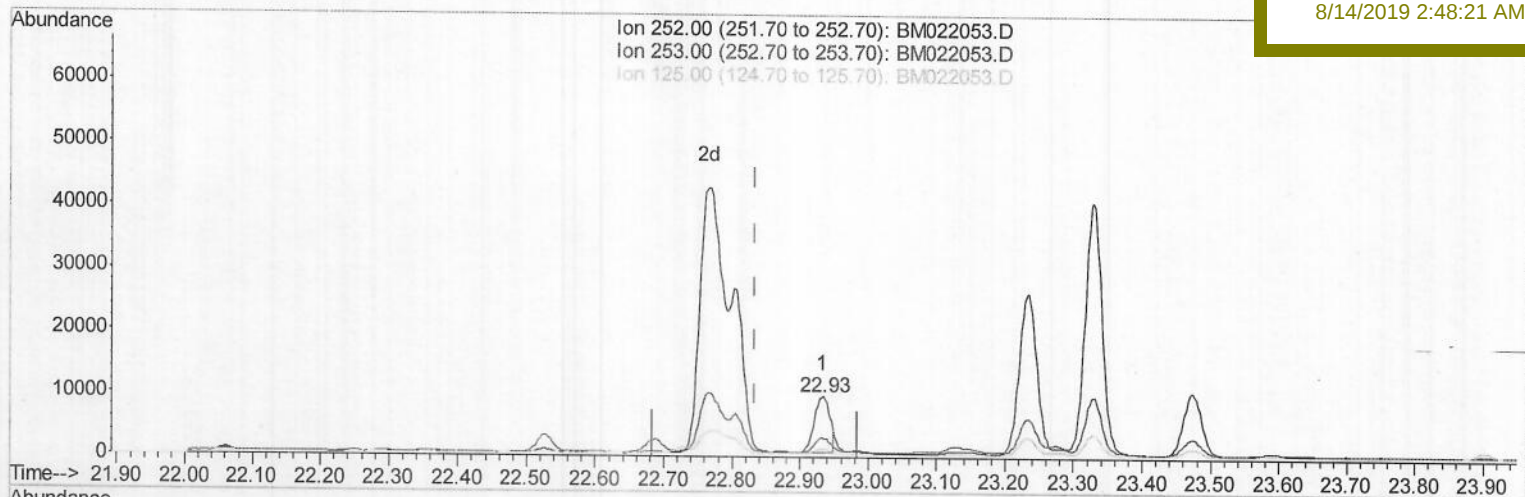
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(22) Benzo(k)fluoranthene

22.934min (+0.099) 0.77ng/ul

response 14085

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.78 |
| 125.00 | 15.20 | 13.62 |
| 0.00   | 0.00  | 0.00  |

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

Data File : BM022053.D

Acq On : 13 Aug 2019 04:44

Operator : HP/JU

Sample : K4041-01

Misc :

ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 13 09:14:48 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

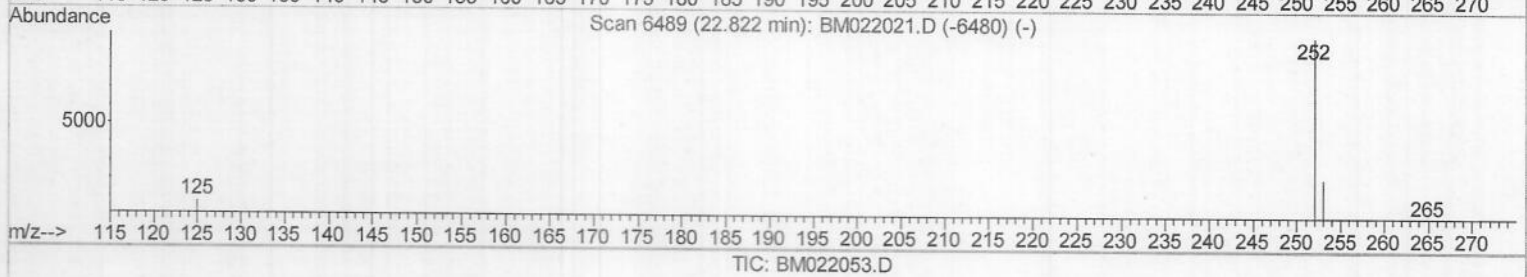
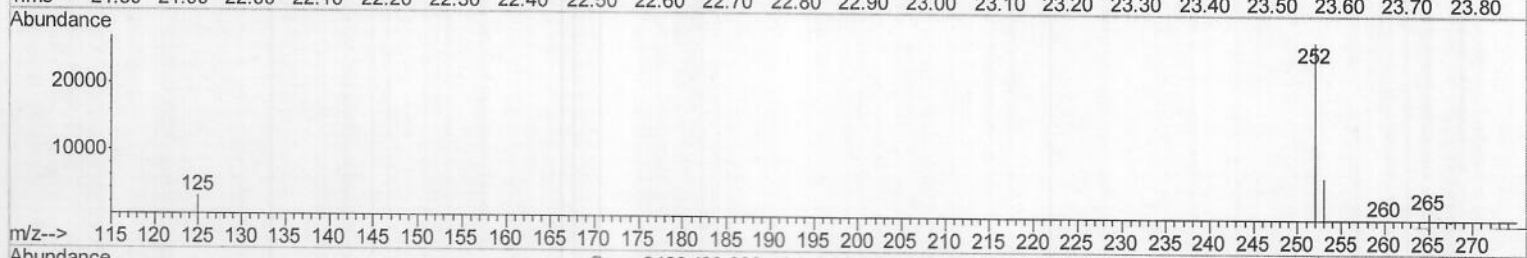
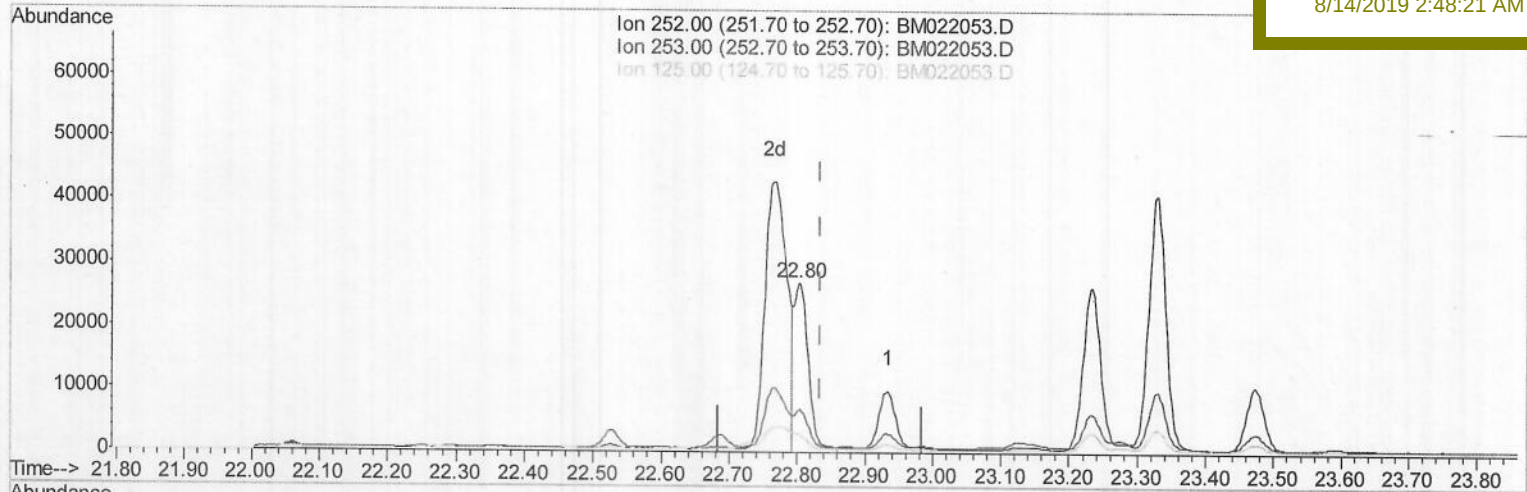
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENW1

Manual Integrations  
APPROVEDmohammad  
8/14/2019 2:48:21 AM

(22) Benzo(k)fluoranthene

22.803min (-0.032) 2.18ng/ul m JU  
08/17/19

response 39983

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 24.68# |
| 125.00 | 15.20 | 10.81# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022053.D  
 Acq On : 13 Aug 2019 04:44  
 Operator : HP/JU  
 Sample : K4041-01  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENW1

Quant Time: Aug 13 09:15:37 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

mohammad  
 8/14/2019 2:48:21 AM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 922      | 0.40 | ng/ul | -0.02     |
| 2) Naphthalene-d8         | 10.38 | 136  | 3782     | 0.40 | ng/ul | -0.03     |
| 6) Acenaphthene-d10       | 14.26 | 164  | 2082     | 0.40 | ng/ul | -0.02     |
| 10) Phenanthrene-d10      | 17.01 | 188  | 4849m    | 0.40 | ng/ul | -0.03     |
| 16) Chrysene-d12          | 21.22 | 240  | 4707m    | 0.40 | ng/ul | -0.02     |
| 20) Perylene-d12          | 23.43 | 264  | 4806m    | 0.40 | ng/ul | -0.03     |

## System Monitoring Compounds

|                            |       |     |       |      |       |       |
|----------------------------|-------|-----|-------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 12.00 | 152 | 1361  | 0.22 | ng/ul | -0.02 |
| 14) Fluoranthene-d10       | 19.05 | 212 | 4118m | 0.25 | ng/ul | -0.02 |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.43 | 128  | 1426     | 0.133 | ng/ul  | 96     |
| 5) 2-Methylnaphthalene     | 12.07 | 142  | 576      | 0.081 | ng/ul  | 100    |
| 7) Acenaphthylene          | 13.98 | 152  | 11483    | 1.183 | ng/ul# | 82     |
| 8) Acenaphthene            | 14.32 | 153  | 1557     | 0.196 | ng/ul  | 97     |
| 9) Fluorene                | 15.32 | 166  | 5345     | 0.606 | ng/ul  | 99     |
| 12) Phenanthrene           | 17.06 | 178  | 96558m   | 6.844 | ng/ul  |        |
| 13) Anthracene             | 17.15 | 178  | 23783m   | 1.976 | ng/ul  |        |
| 15) Fluoranthene           | 19.08 | 202  | 171550m  | 9.077 | ng/ul  |        |
| 17) Pyrene                 | 19.45 | 202  | 149116   | 7.709 | ng/ul  | 98     |
| 18) Benzo(a)anthracene     | 21.20 | 228  | 82132m   | 4.878 | ng/ul  |        |
| 19) Chrysene               | 21.25 | 228  | 73499    | 3.394 | ng/ul  | 99     |
| 21) Benzo(b)fluoranthene   | 22.77 | 252  | 98880m   | 6.101 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.80 | 252  | 39983m   | 2.180 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.33 | 252  | 69836    | 4.237 | ng/ul# | 76     |
| 24) Indeno(1,2,3-cd)pyrene | 25.63 | 276  | 47050    | 2.391 | ng/ul# | 94     |
| 25) Dibenzo(a,h)anthracene | 25.64 | 278  | 11997    | 0.754 | ng/ul  | 97     |
| 26) Benzo(g,h,i)perylene   | 26.31 | 276  | 43235    | 2.440 | ng/ul  | 96     |

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