

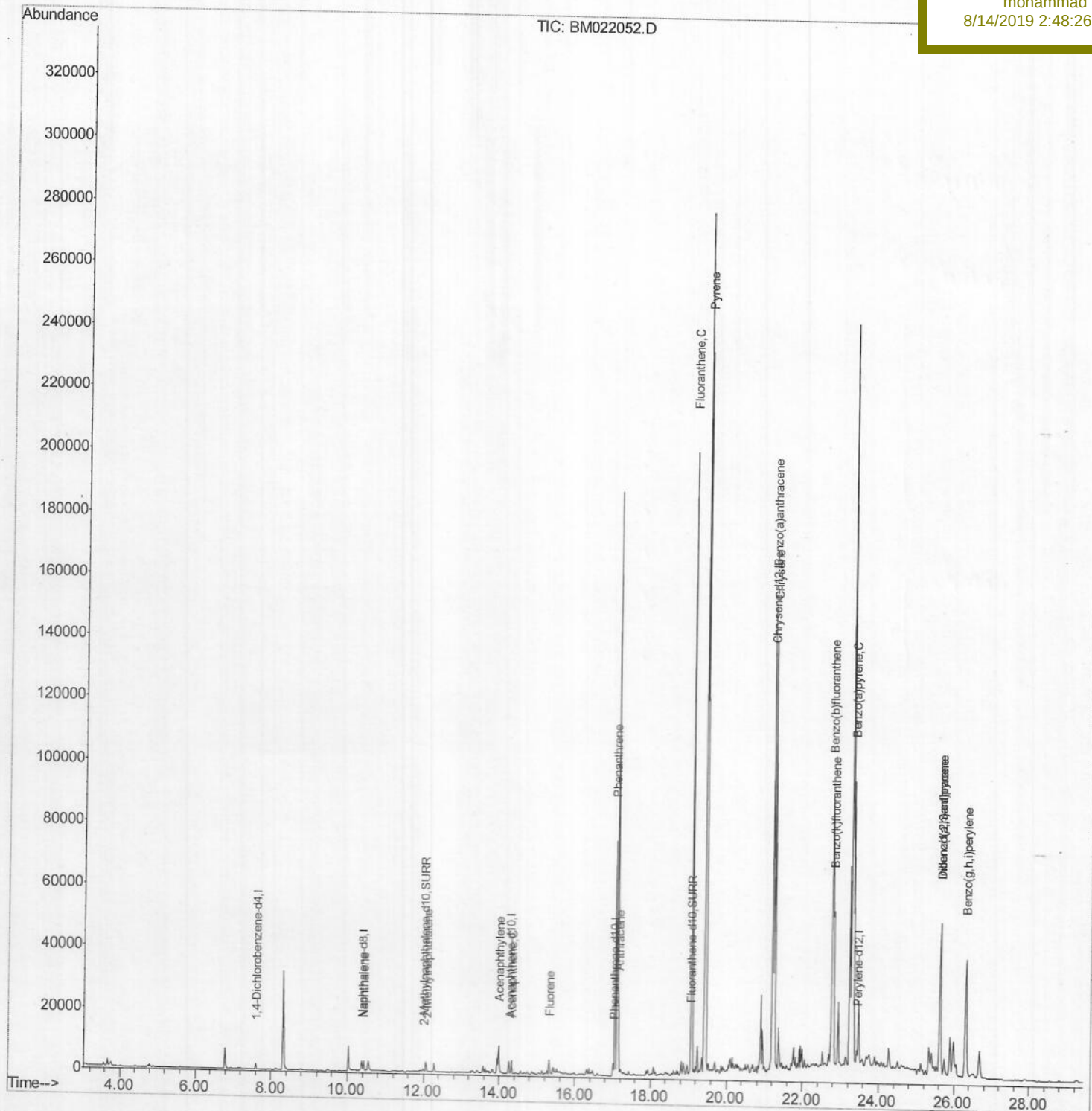
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022052.D
Acq On : 13 Aug 2019 04:07
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:11:09 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 :
BENW7

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:26 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:19 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

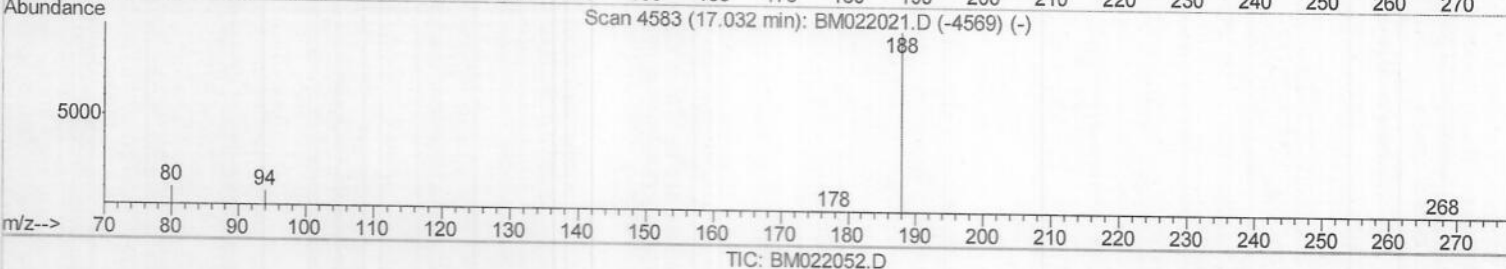
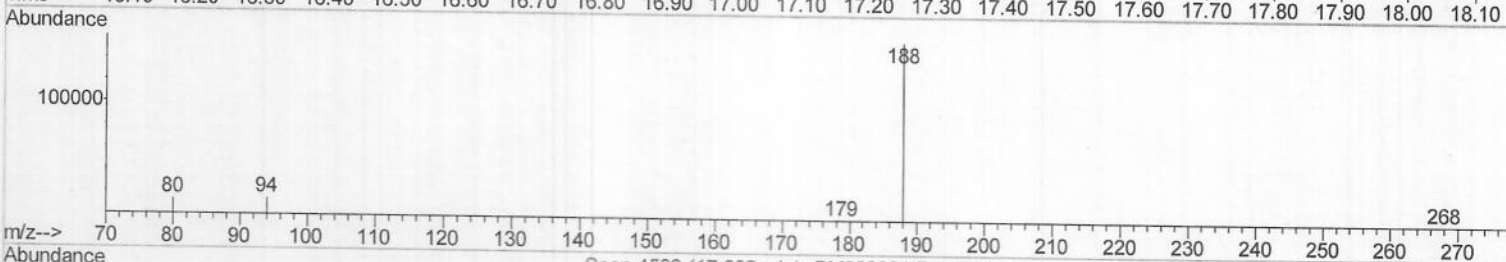
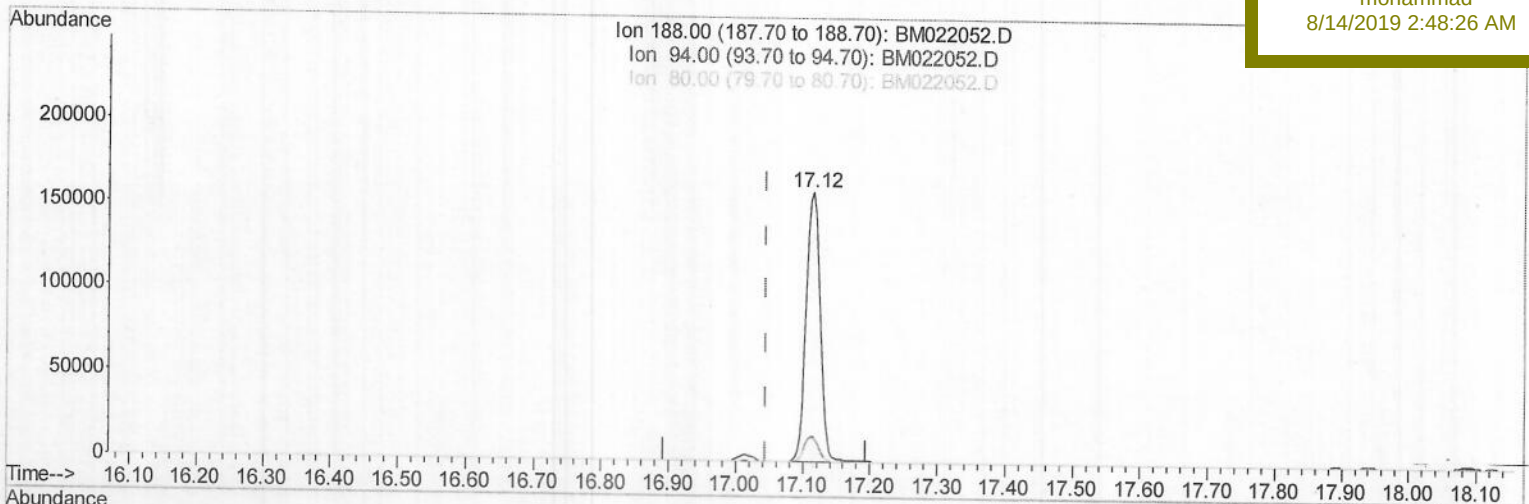
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(10) Phenanthrene-d10 (I)

17.115min (+0.071) 0.40ng/ul

response 225827

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.03
80.00	11.40	8.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:19 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 :

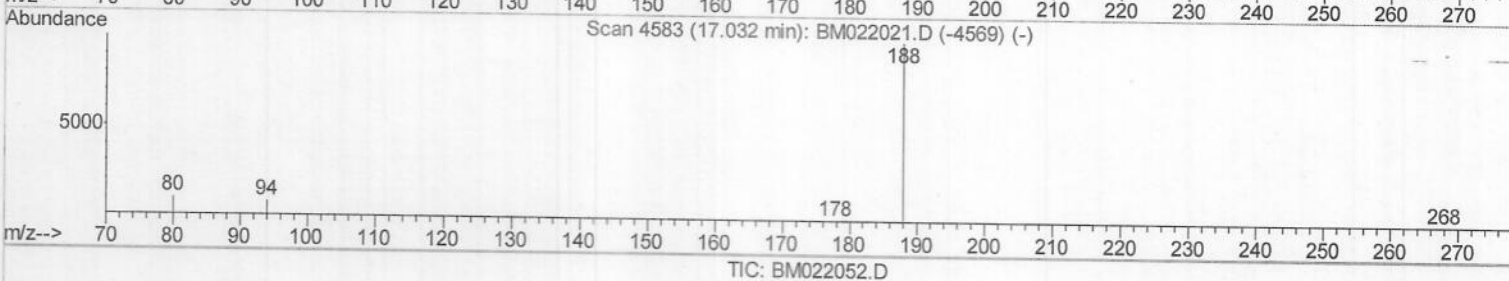
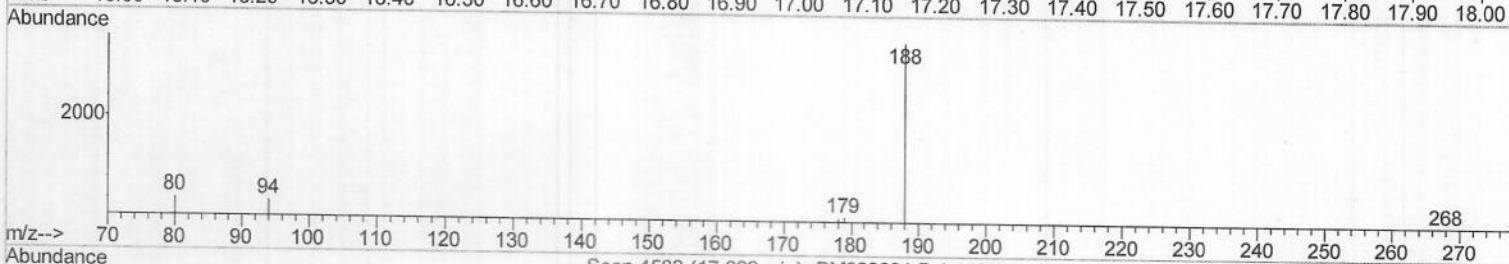
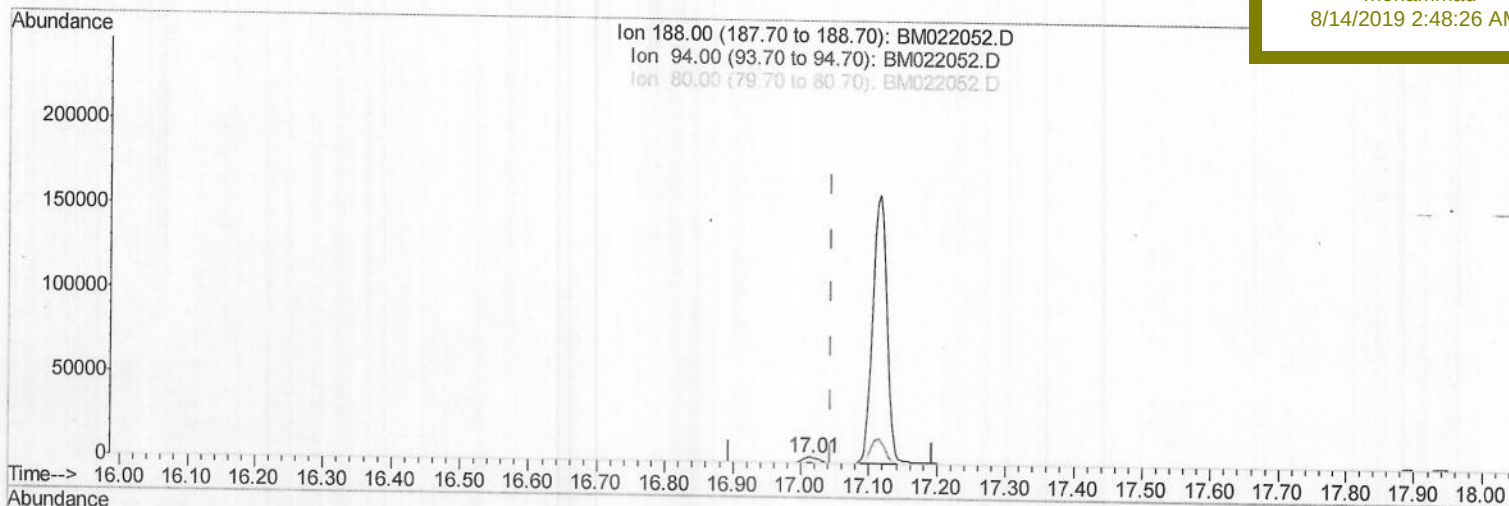
BENW7

Manual Integrations

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mohammad

8/14/2019 2:48:26 AM



(10) Phenanthrene-d10 (I)

17.015min (-0.029) 0.40ng/ul m

response 5089

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.36
80.00	11.40	11.92
0.00	0.00	0.00

JU
08/17/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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

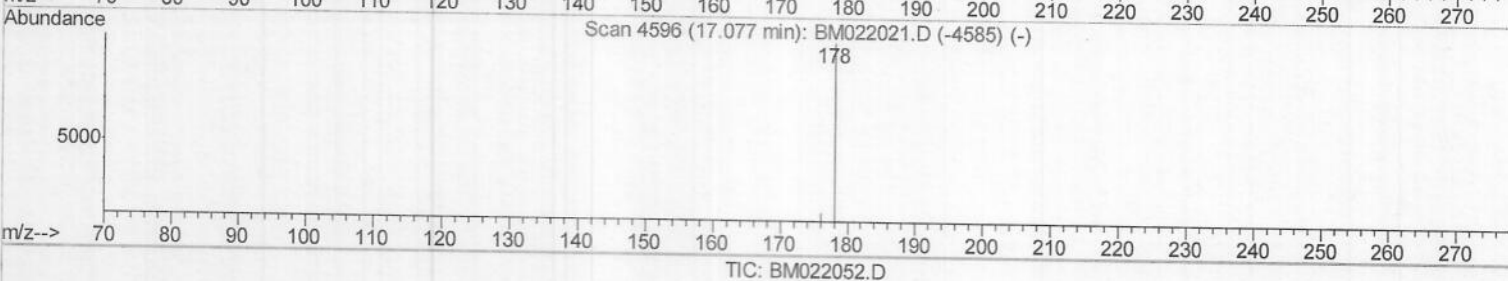
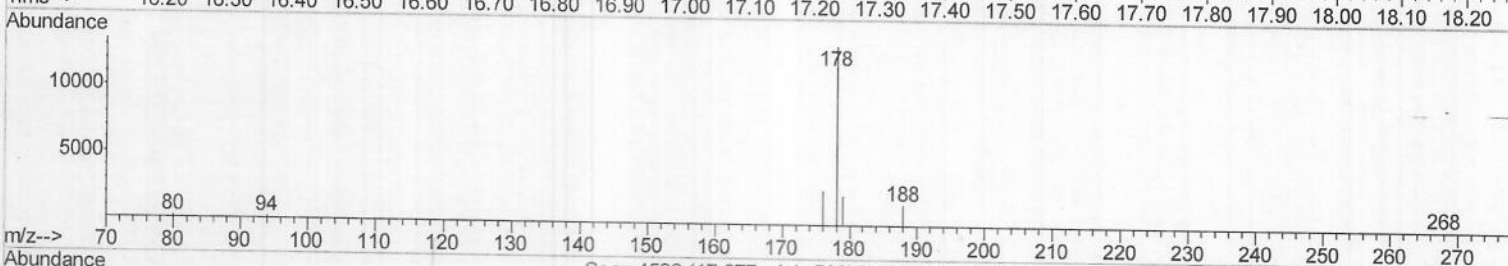
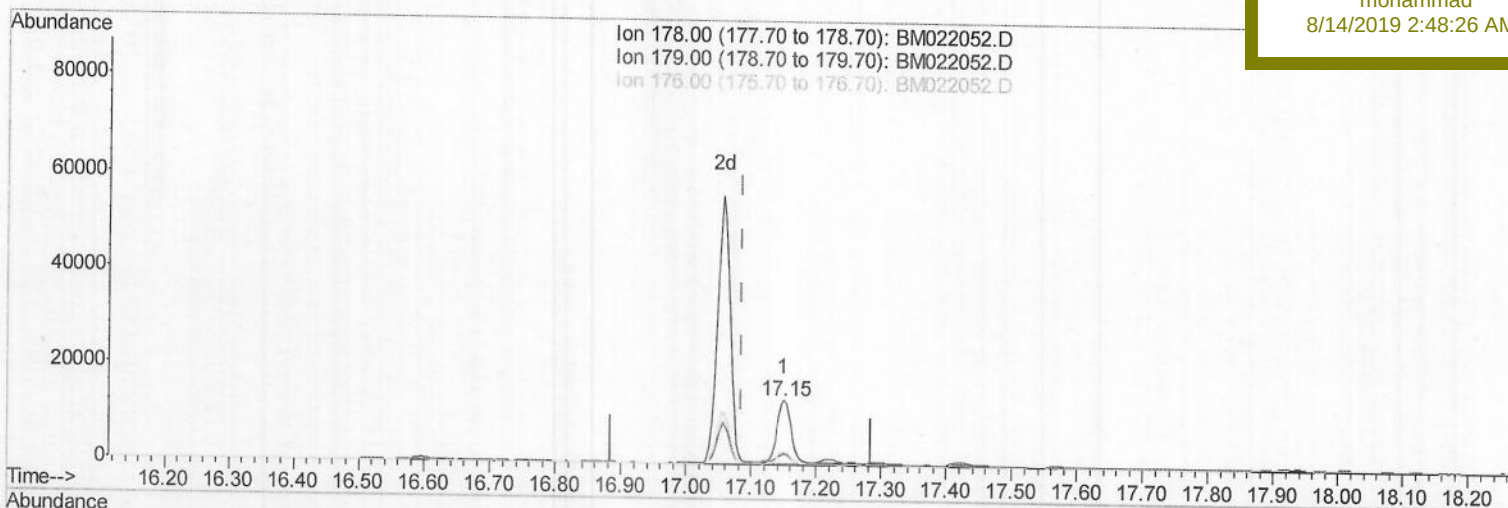
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(12) Phenanthrene

17.150min (+0.064) 1.41ng/ul

response 20842

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.49
176.00	21.00	19.24
0.00	0.00	0.00

Quantitation Report (Qedit)

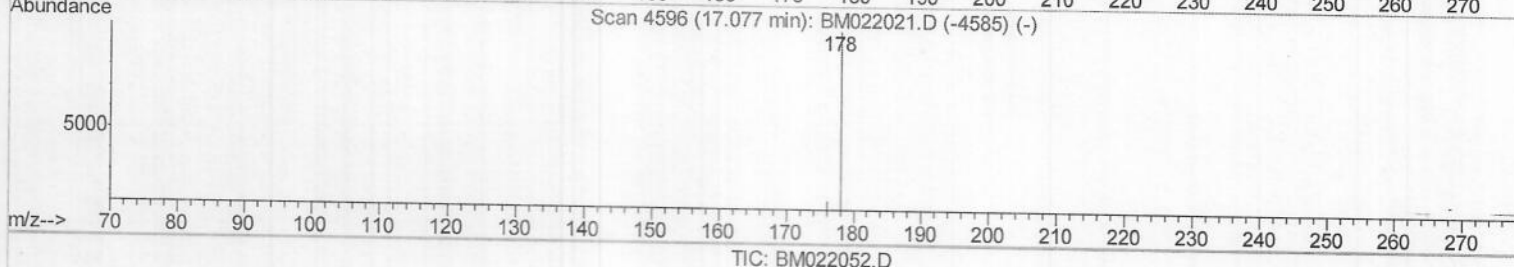
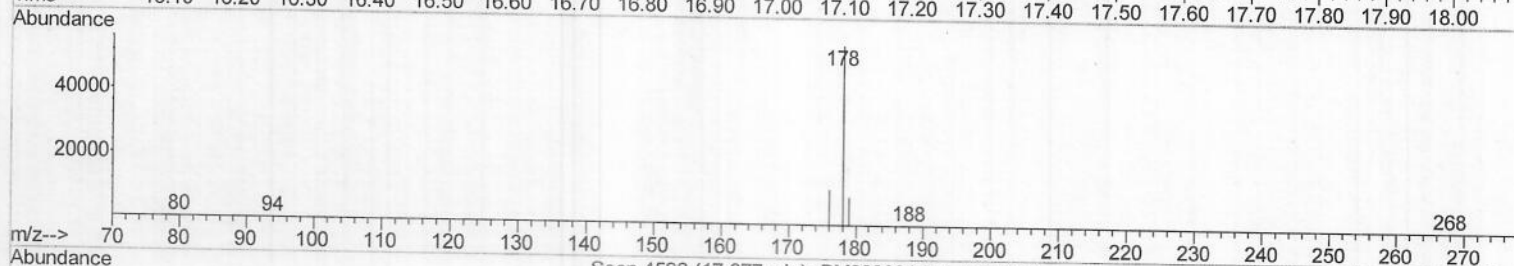
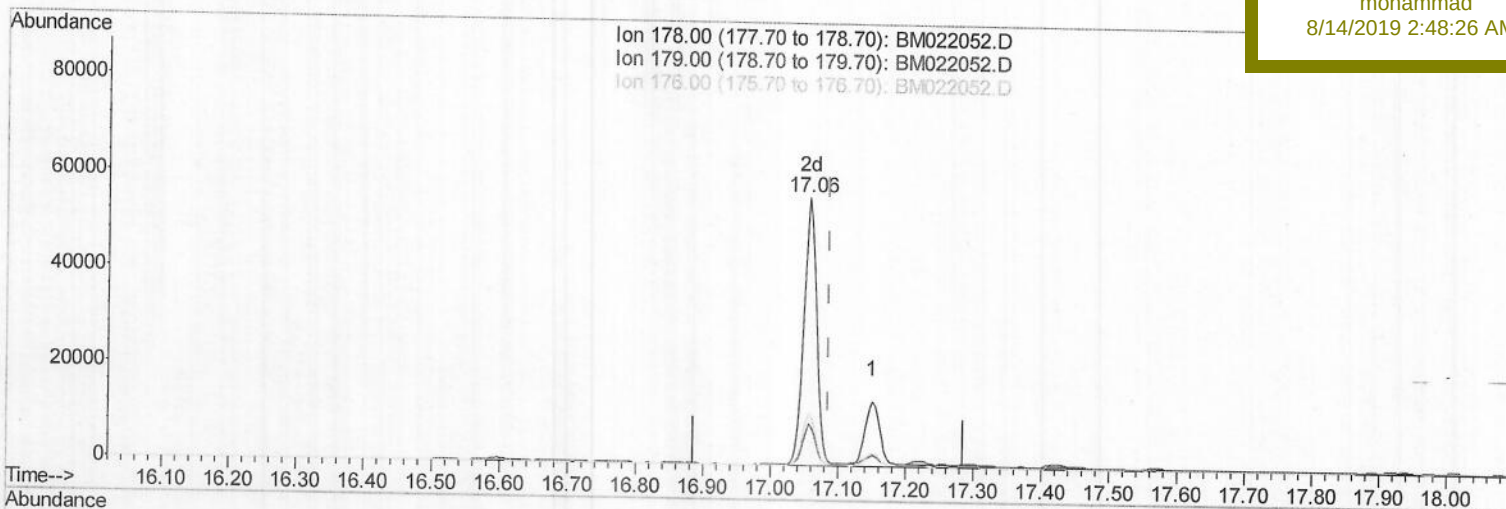
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022052.D
 Acq On : 13 Aug 2019 04:07
 Operator : HP/JU
 Sample : K4041-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :
 BENW7

Manual Integrations
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(12) Phenanthrene

17.056min (-0.029) 5.16ng/ul m) JU
 08/17/19

response 76388

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.54
176.00	21.00	19.71
0.00	0.00	0.00

TIC: BM022052.D

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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

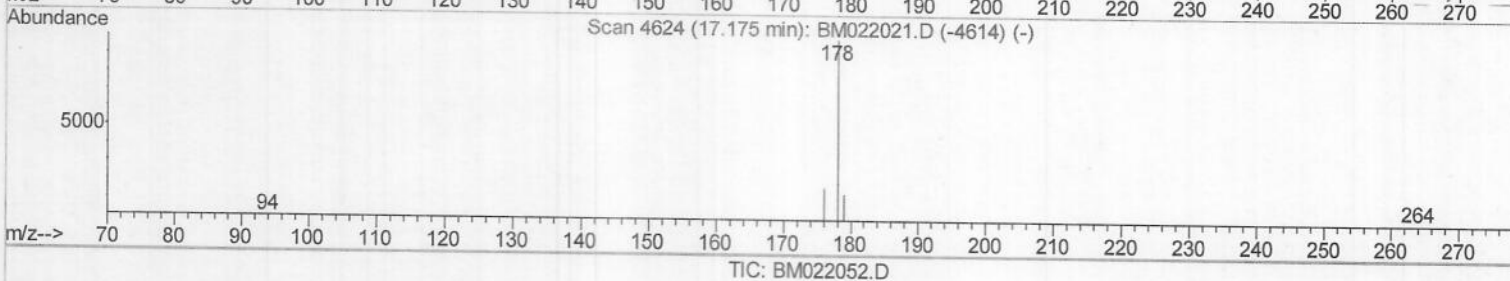
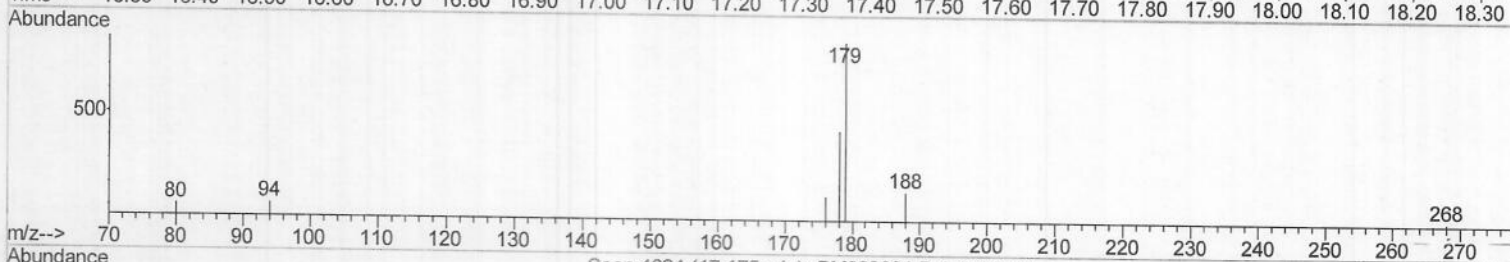
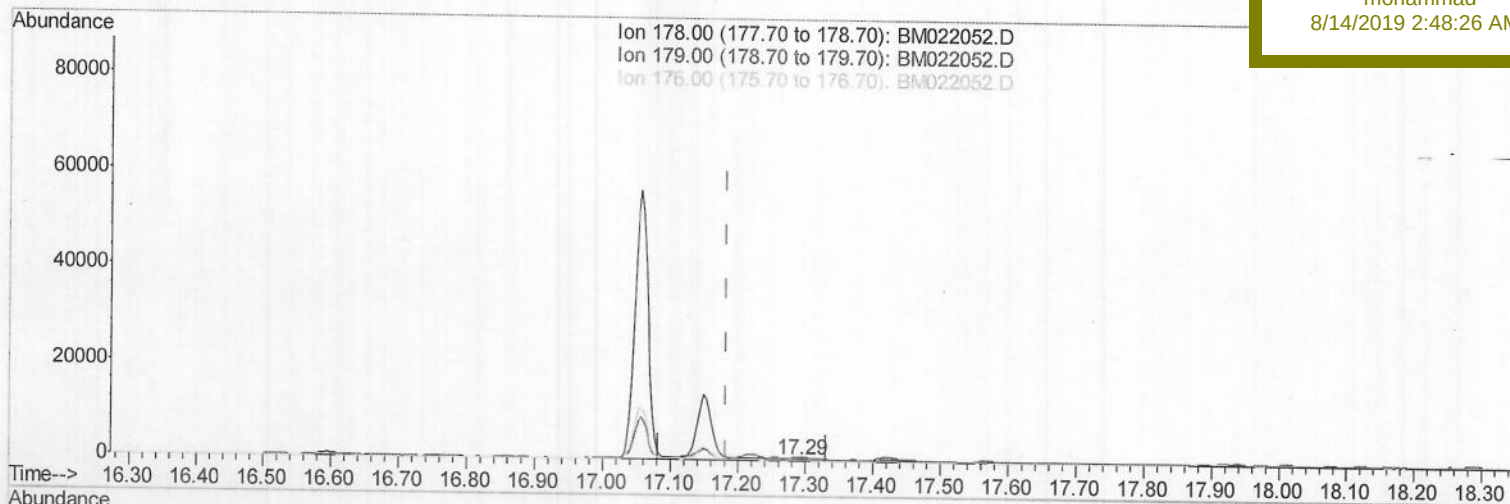
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(13) Anthracene

17.292min (+0.109) 0.03ng/ul

response 438

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	185.94#
176.00	20.80	36.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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

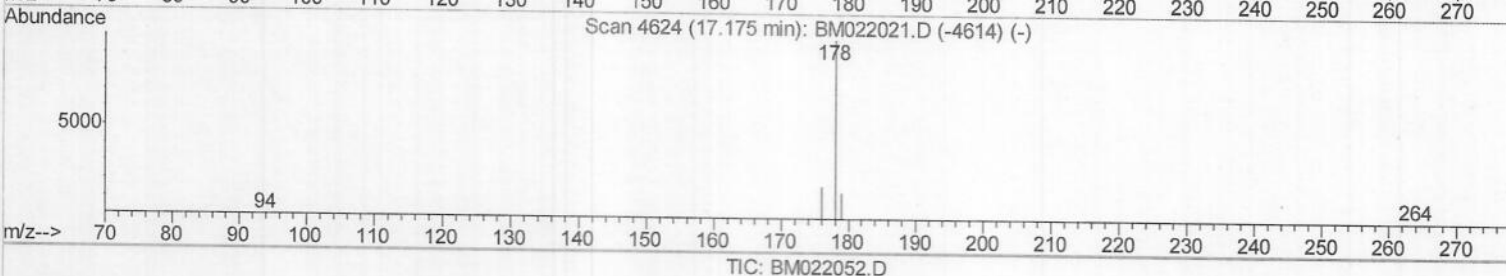
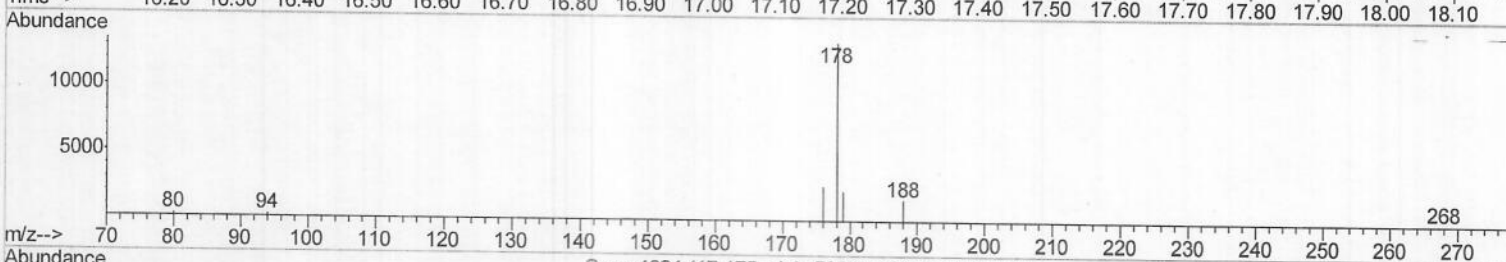
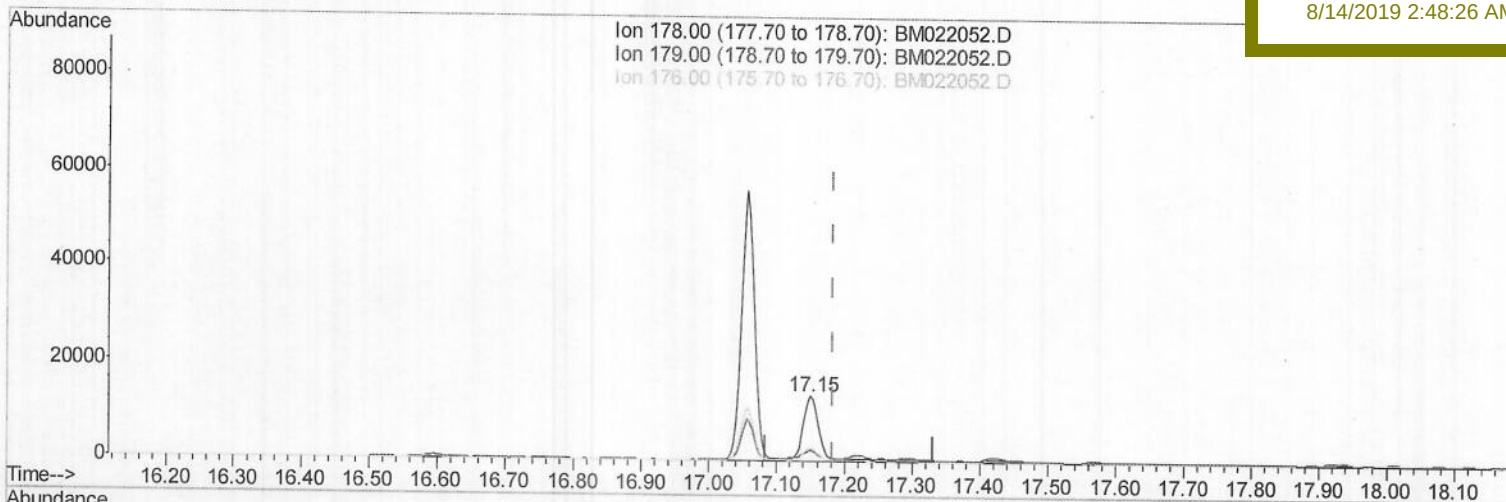
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(13) Anthracene

17.150min (-0.033) 1.65ng/ui m

response 20874

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.49
176.00	20.80	19.24
0.00	0.00	0.00

JU
08/17/19

Quantitation Report (Qedit)

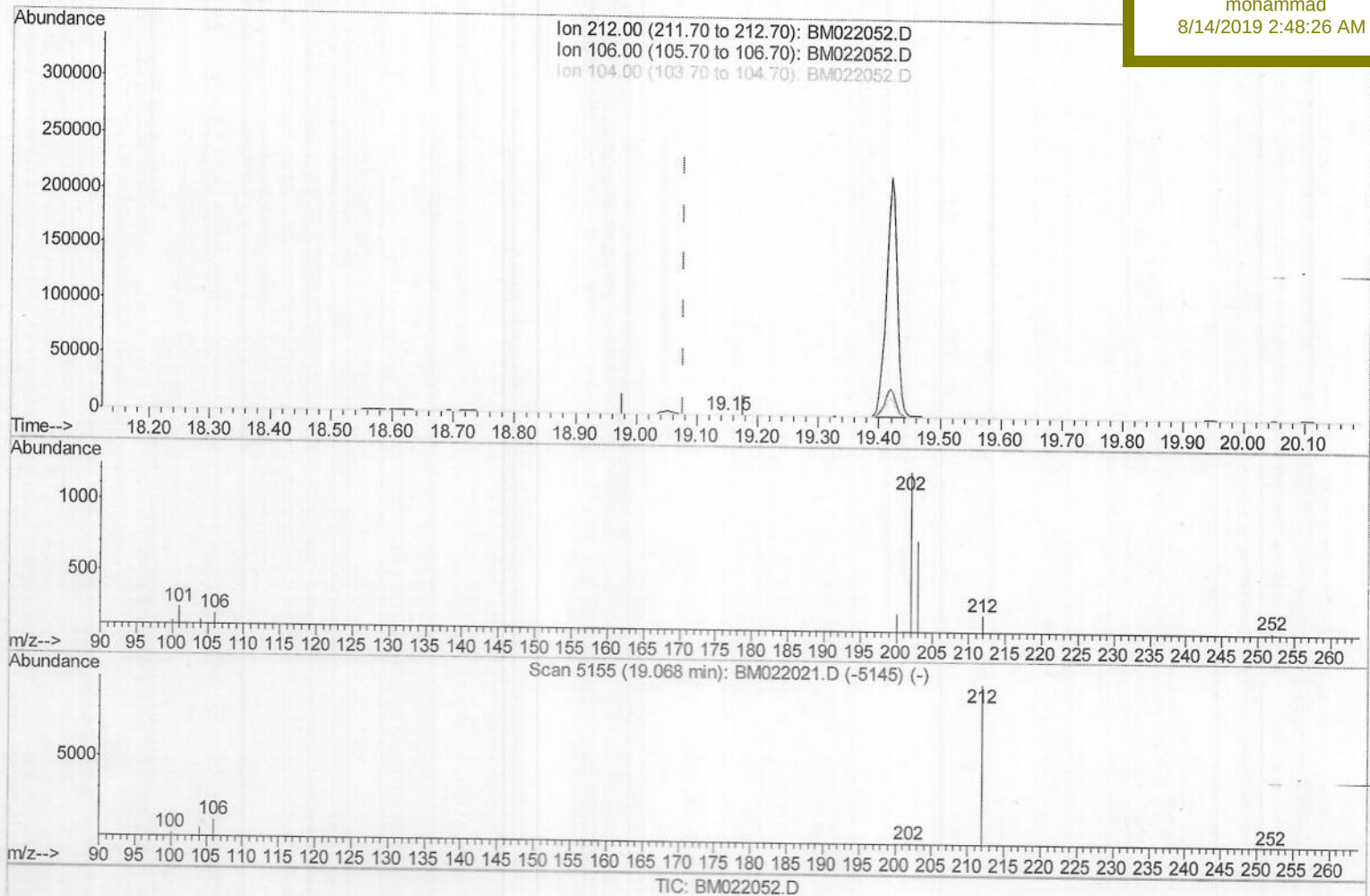
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022052.D
Acq On : 13 Aug 2019 04:07
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :
BENW7

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.148min (+0.071) 0.01ng/ul

response 253

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	3.16#
104.00	6.00	79.84#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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

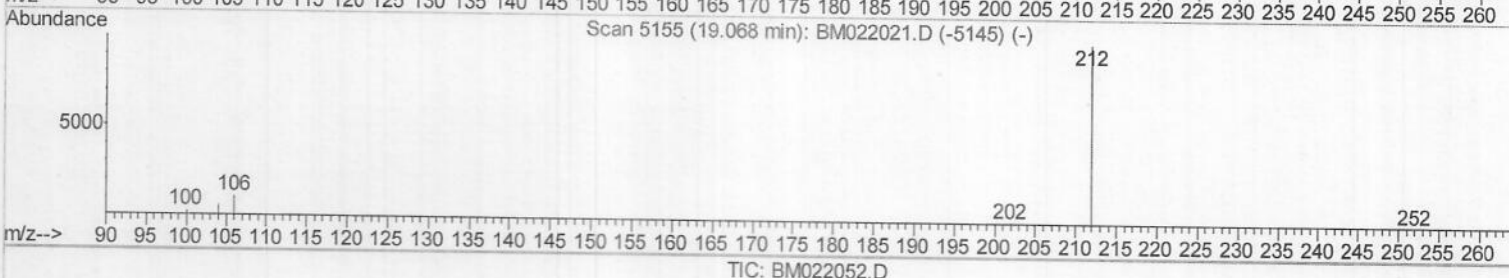
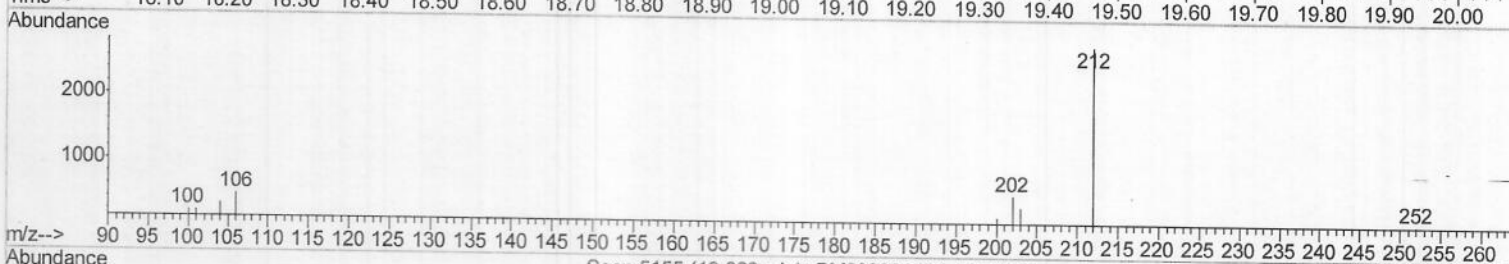
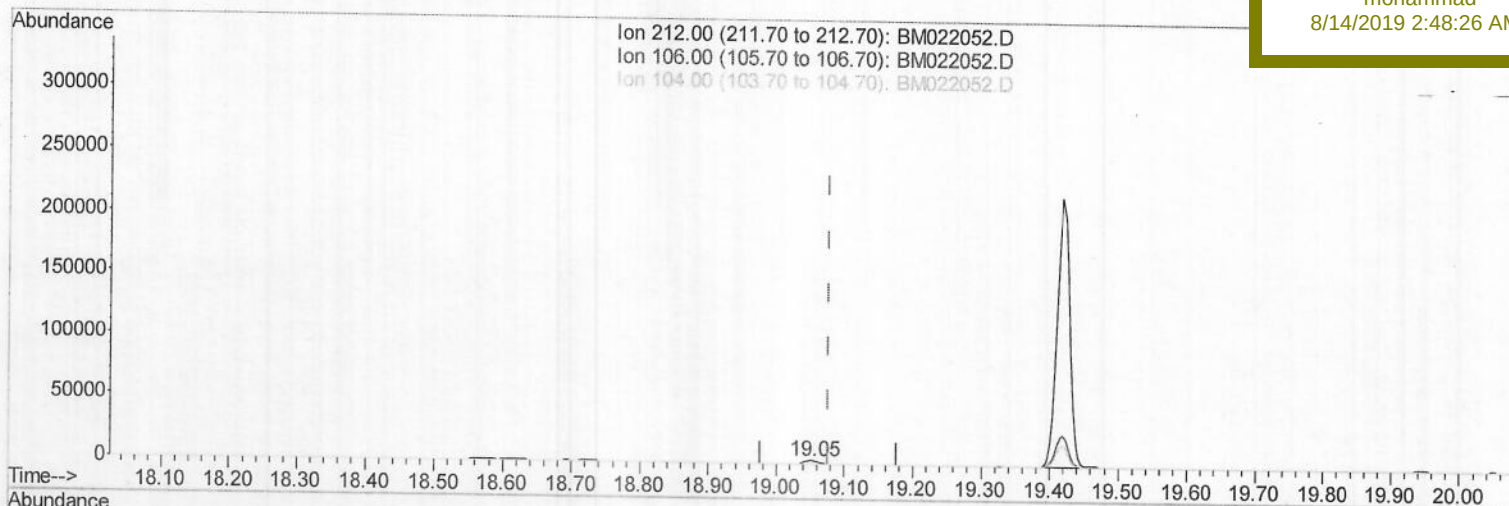
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(14) Fluoranthene-d10 (SURR)

19.053min (-0.025) 0.24ng/ul m

response 4135

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.19#
104.00	6.00	4.89
0.00	0.00	0.00

JU
08/14/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :

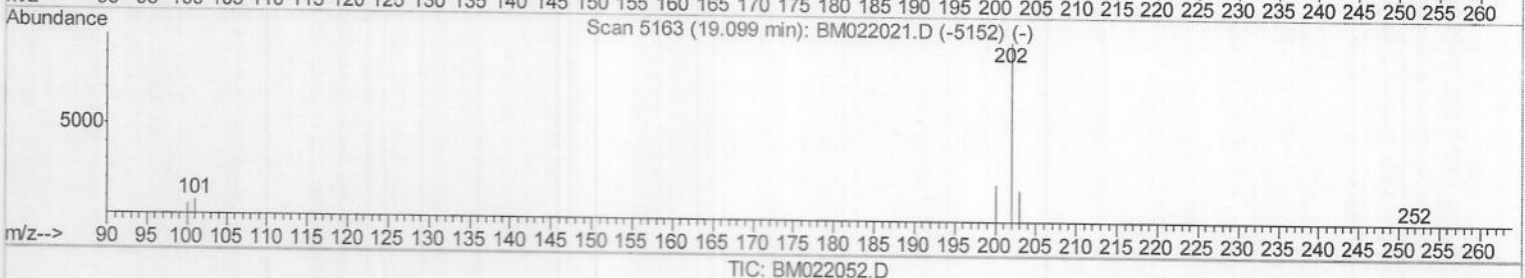
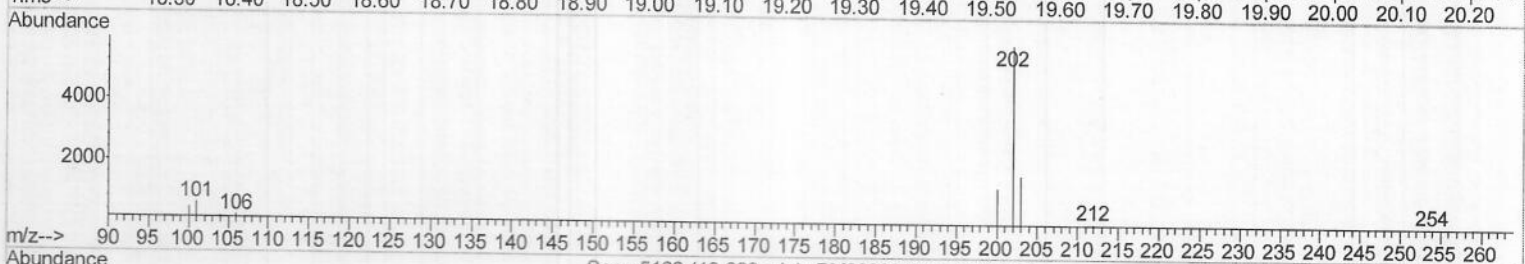
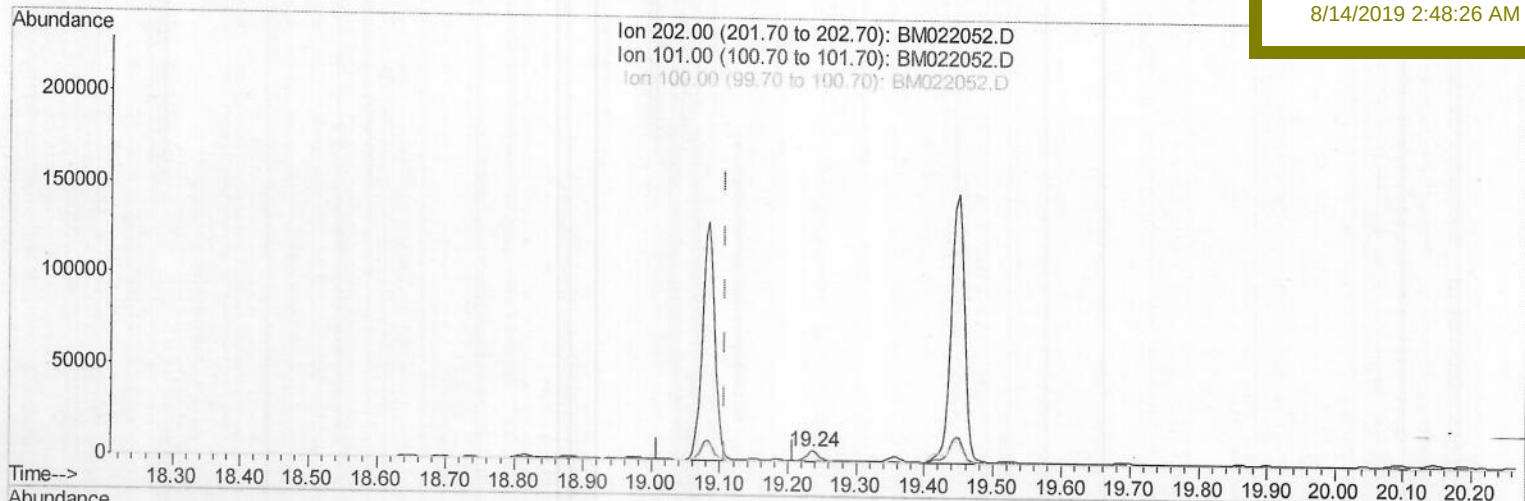
BENW7

Manual Integrations

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8/14/2019 2:48:26 AM



(15) Fluoranthene (C)

19.236min (+0.128) 0.35ng/ul

response 6926

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	10.23
100.00	8.10	7.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :

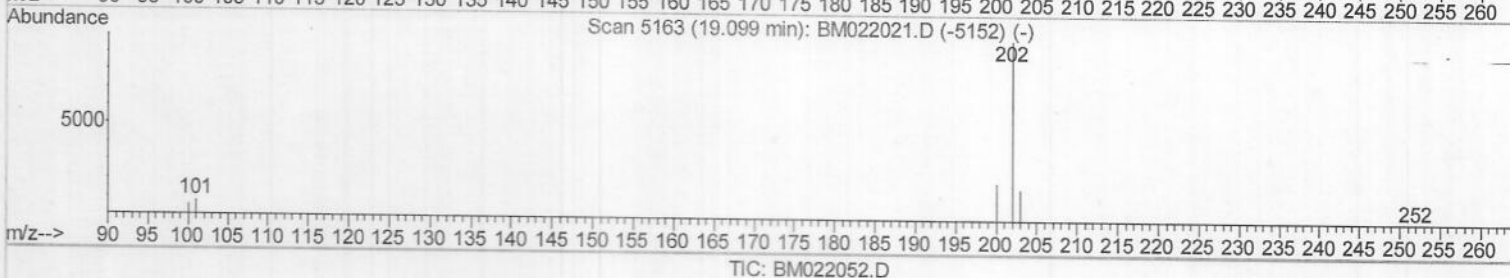
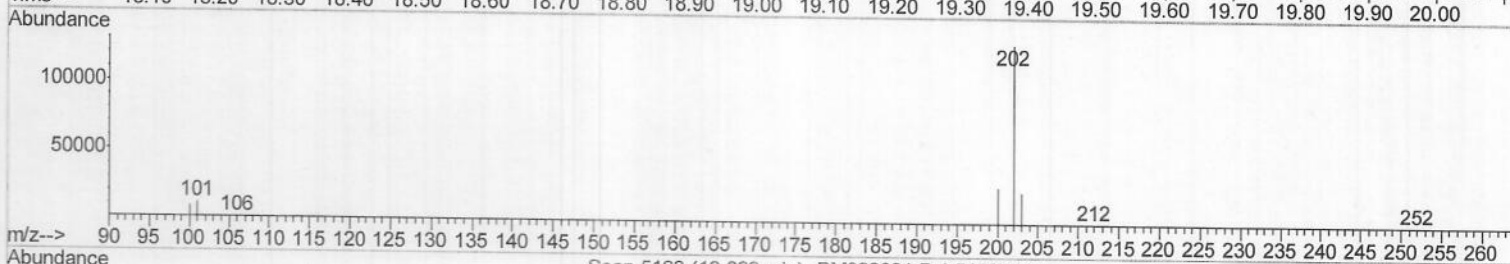
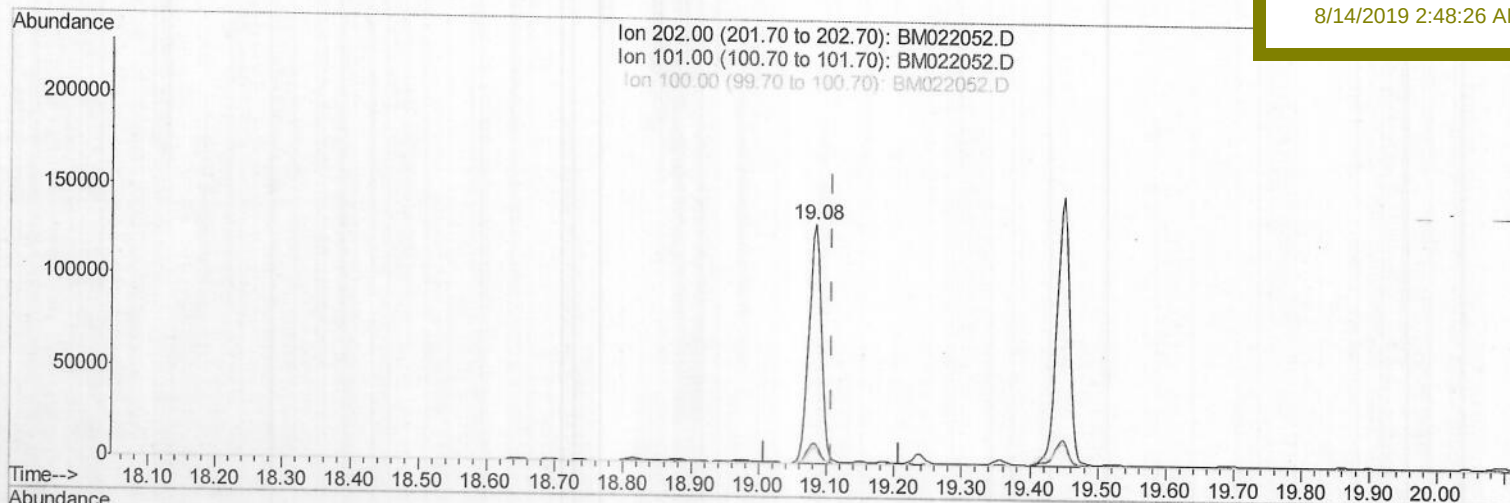
BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:26 AM



(15) Fluoranthene (C)

19.083min (-0.025) 8.51ng/ul m) JU
08/17/19

response 168796

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.39
100.00	8.10	6.46
0.00	0.00	0.00

Quantitation Report (Qedit)

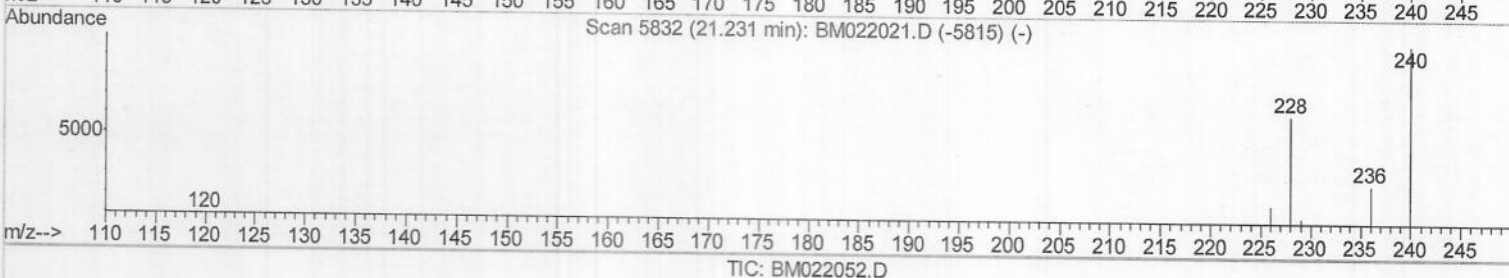
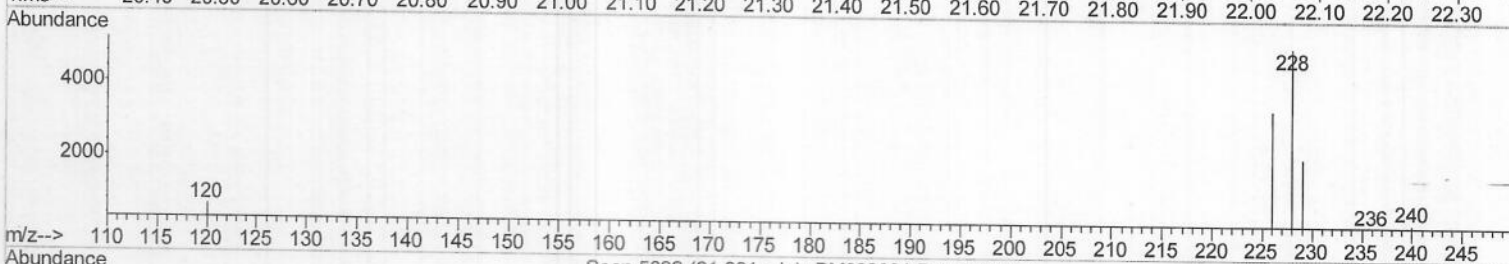
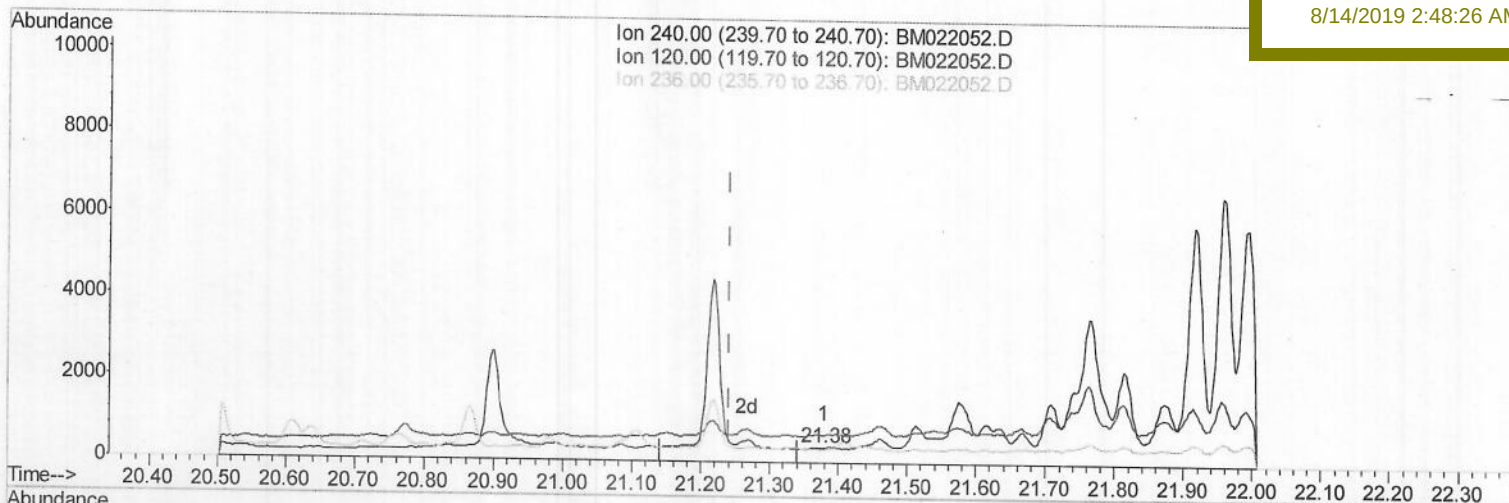
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022052.D
 Acq On : 13 Aug 2019 04:07
 Operator : HP/JU
 Sample : K4041-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :
 BENW7

Manual Integrations
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 8/14/2019 2:48:26 AM



(16) Chrysene-d12 (I)

21.379min (+0.138) 0.40ng/ul

response 58

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	177.48#
236.00	32.30	81.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

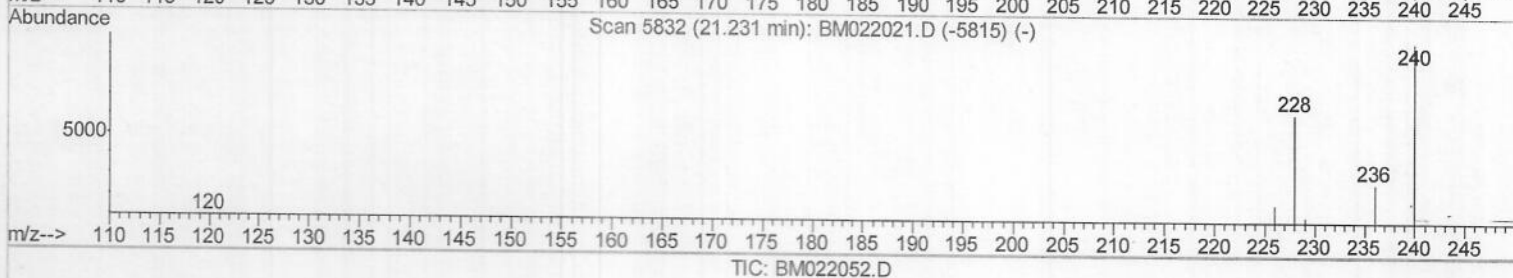
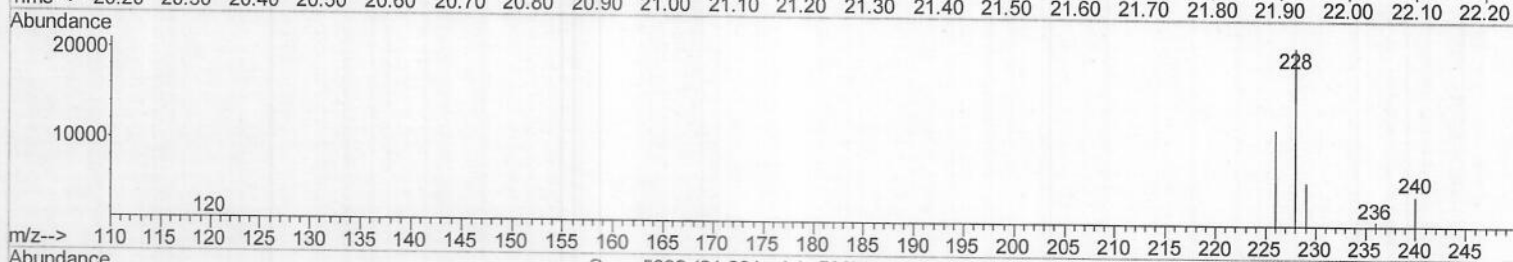
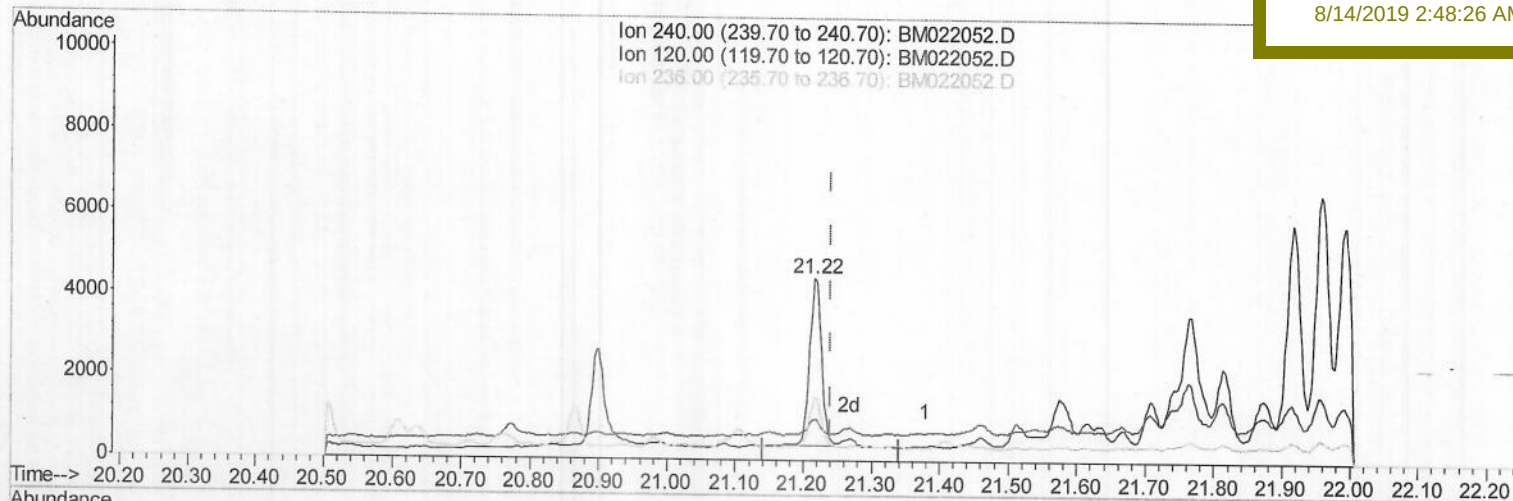
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022052.D
 Acq On : 13 Aug 2019 04:07
 Operator : HP/JU
 Sample : K4041-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:05:53 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 :
 BENW7

Manual Integrations
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 8/14/2019 2:48:26 AM



(16) Chrysene-d12 (I)

21.217min (-0.024) 0.40ng/ul m) JU
 08/17/19

response 4913

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	22.28#
236.00	32.30	34.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022052.D
Acq On : 13 Aug 2019 04:07
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:07:50 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 :

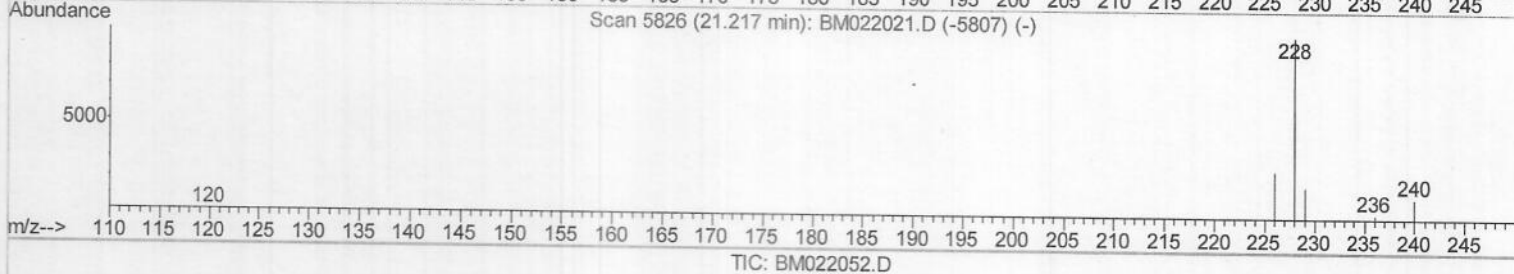
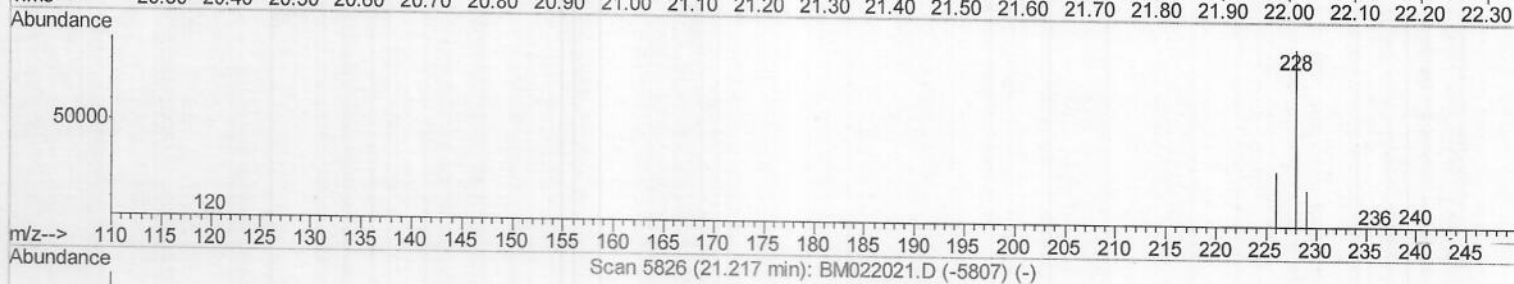
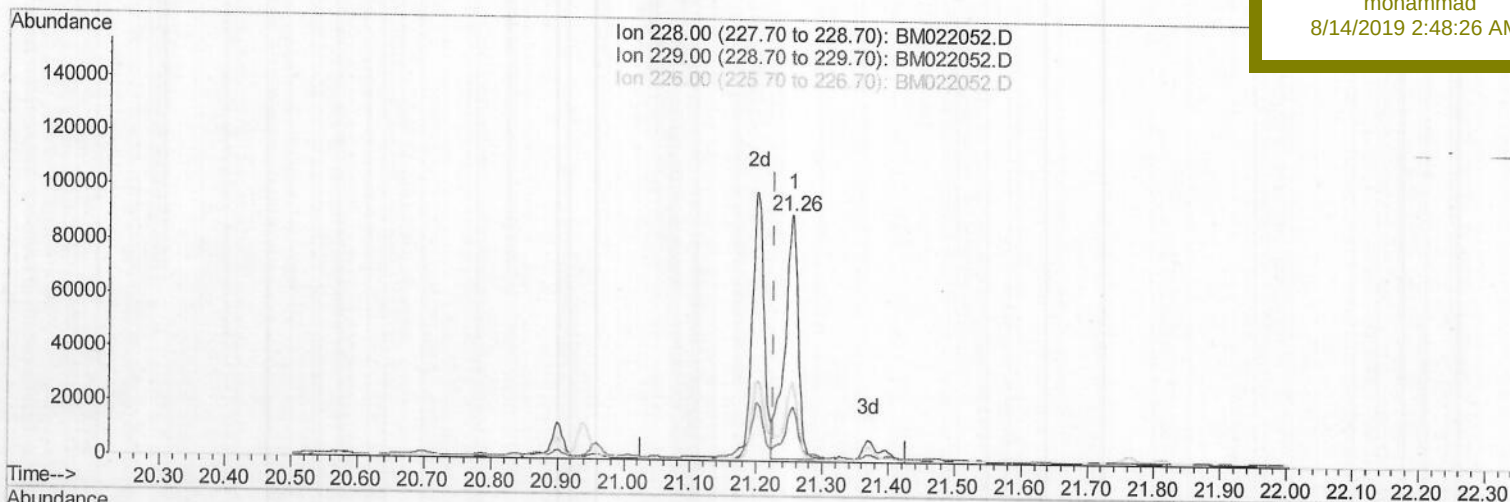
BENW7

Manual Integrations

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mohammad

8/14/2019 2:48:26 AM



(18) Benzo(a)anthracene
21.255min (+0.029) 7.48ng/ul
response 131494

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.85
226.00	28.30	31.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:07:50 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

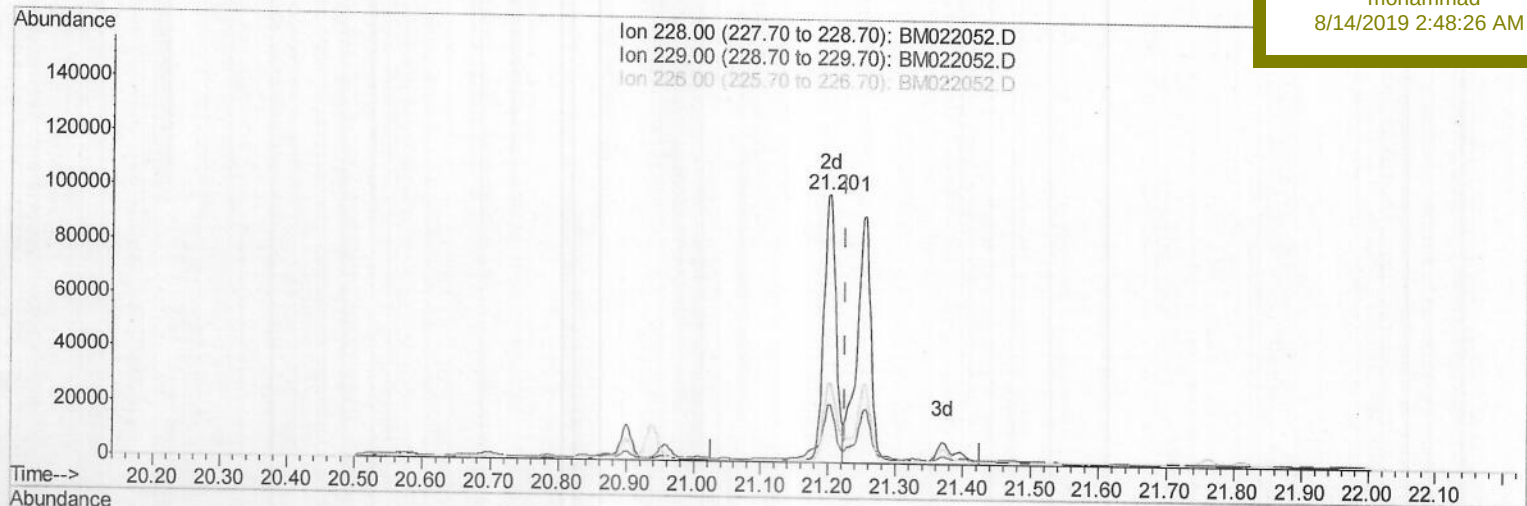
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(18) Benzo(a)anthracene

21.202min (-0.024) 7.23ng/ul m

response 127047

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.22
226.00	28.30	29.64
0.00	0.00	0.00

JU
08117119

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:07:50 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 :

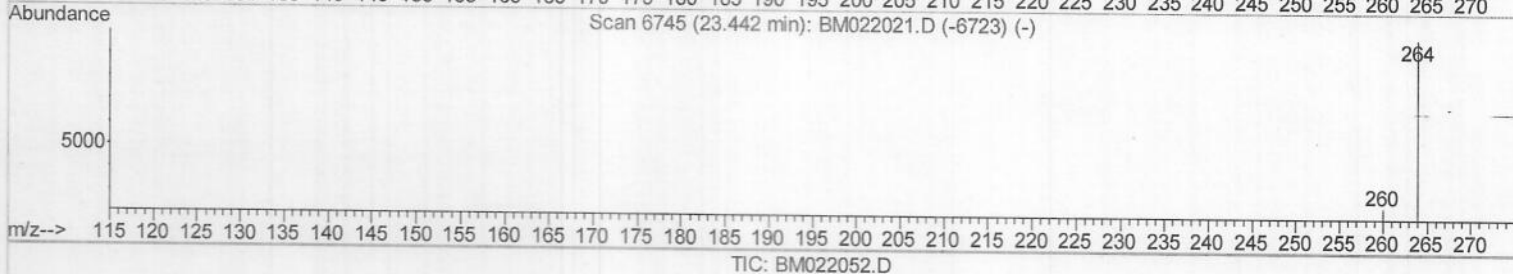
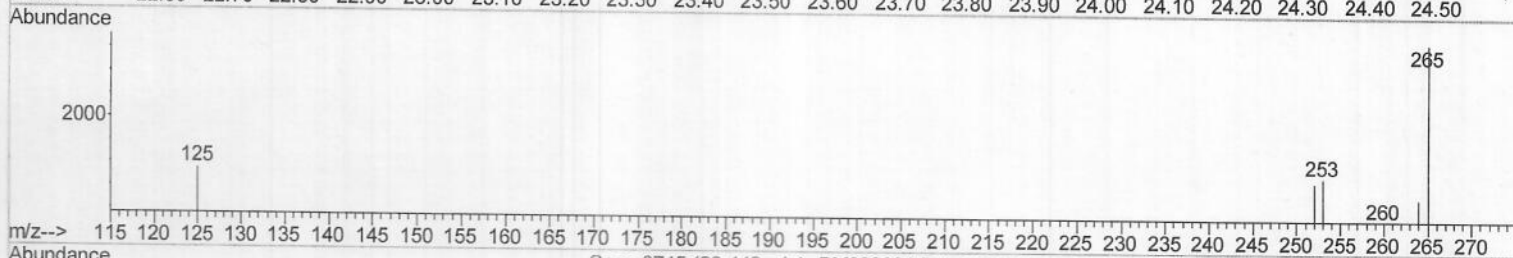
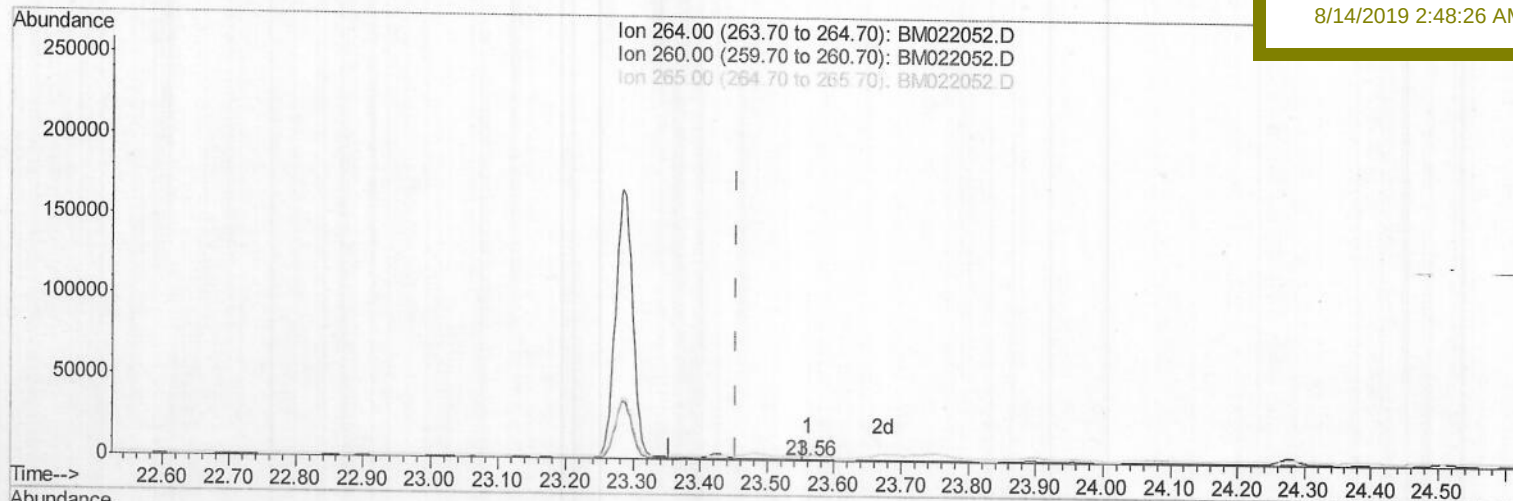
BENW7

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:26 AM



(20) Perylene-d12 (I)

23.561min (+0.107) 0.40ng/ul

response 1031

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	44.22#
265.00	117.00	488.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:07:50 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

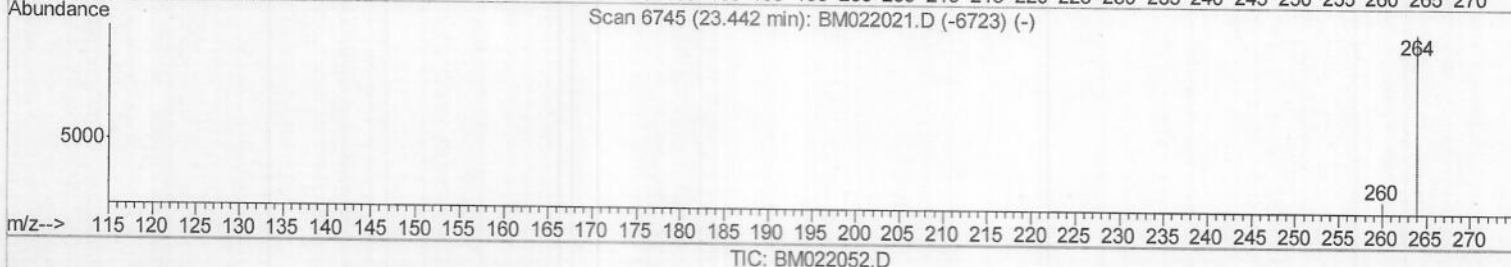
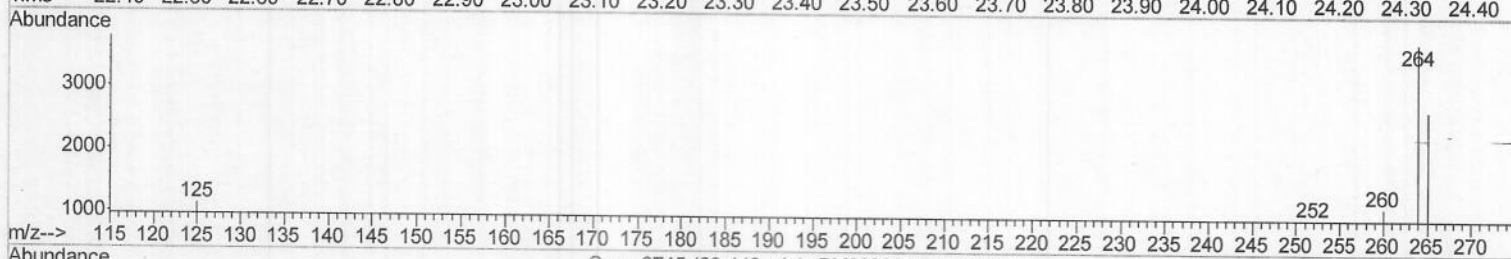
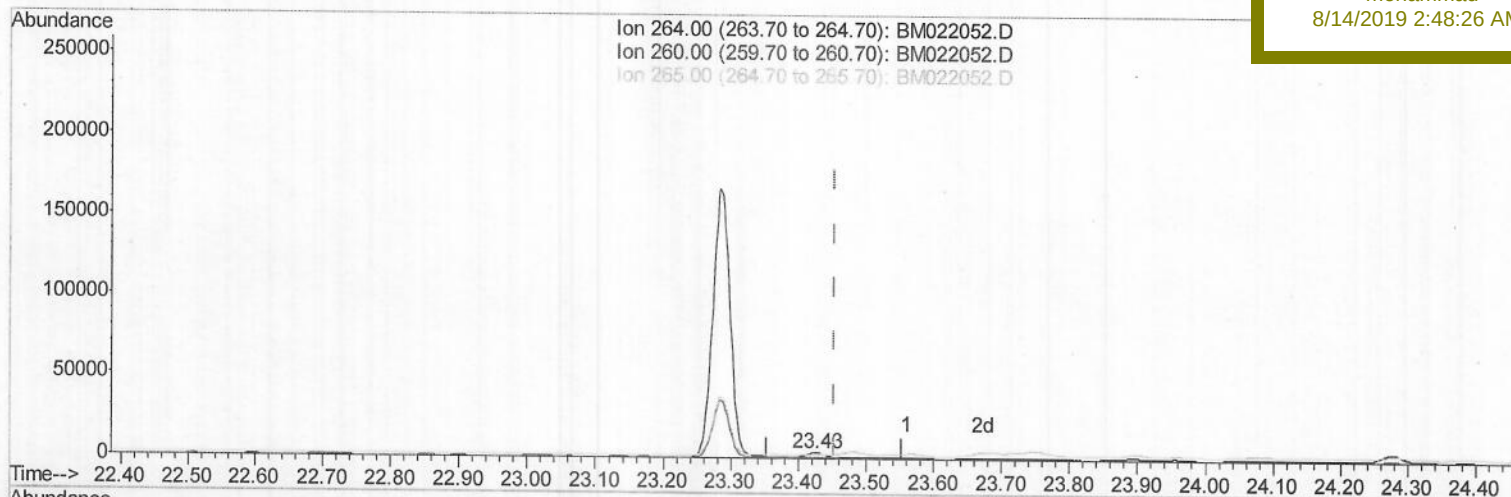
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(20) Perylene-d12 (I)

23.425min (-0.029) 0.40ng/ul m

response 5266

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	30.57
265.00	117.00	71.26#
0.00	0.00	0.00

JU
08/14/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

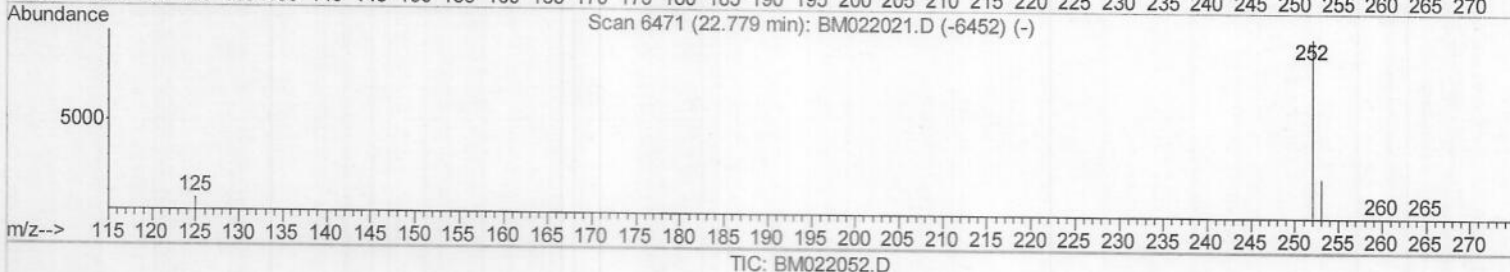
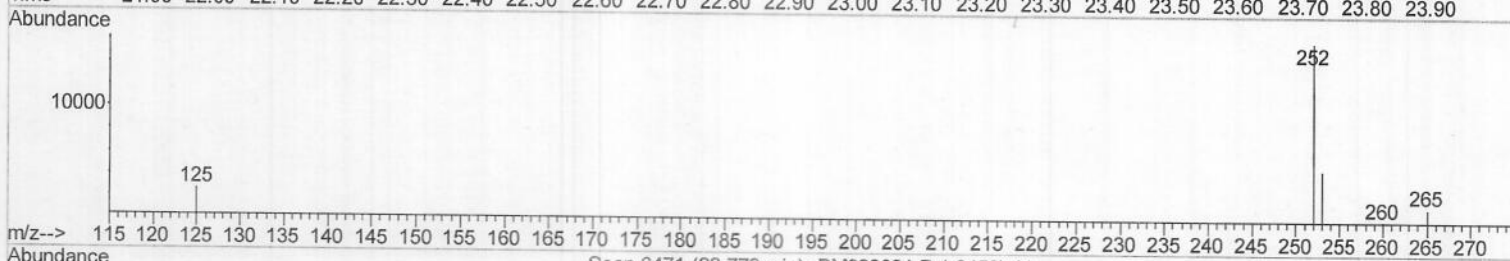
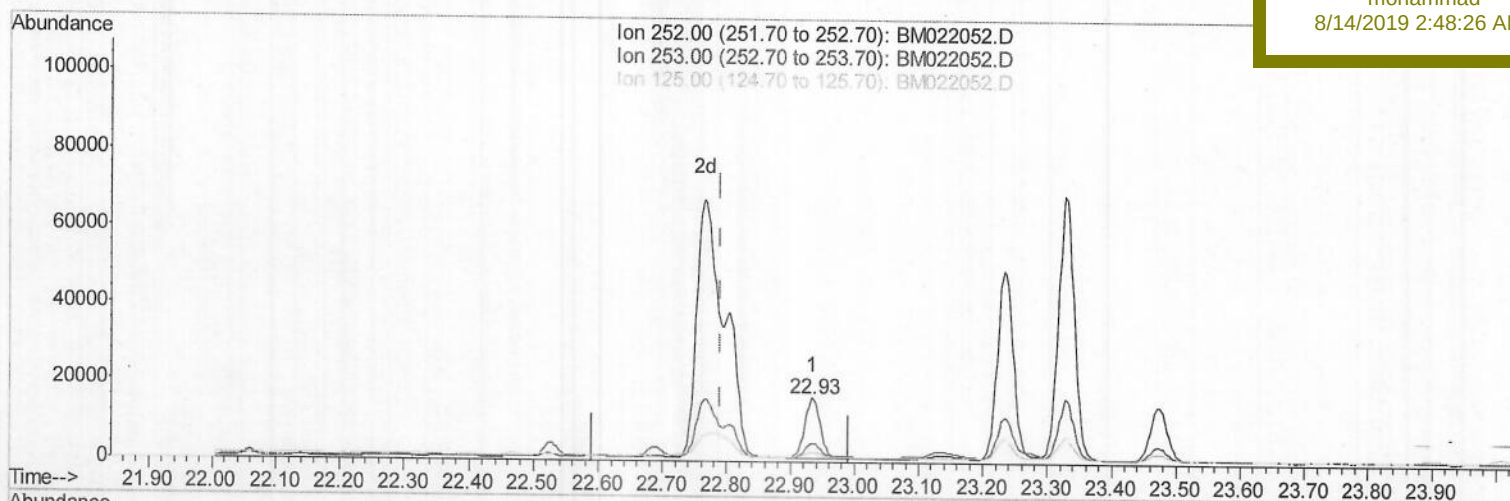
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(21) Benzo(b)fluoranthene

22.934min (+0.143) 1.52ng/ul

response 27070

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	29.81
125.00	15.50	16.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

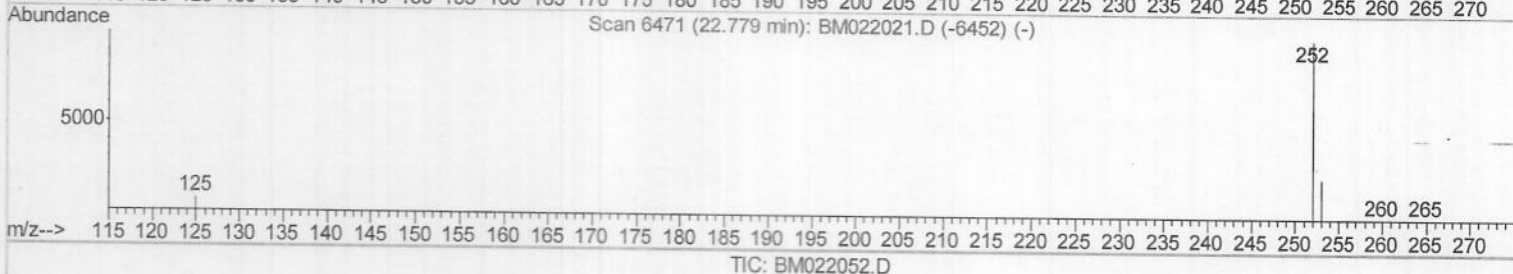
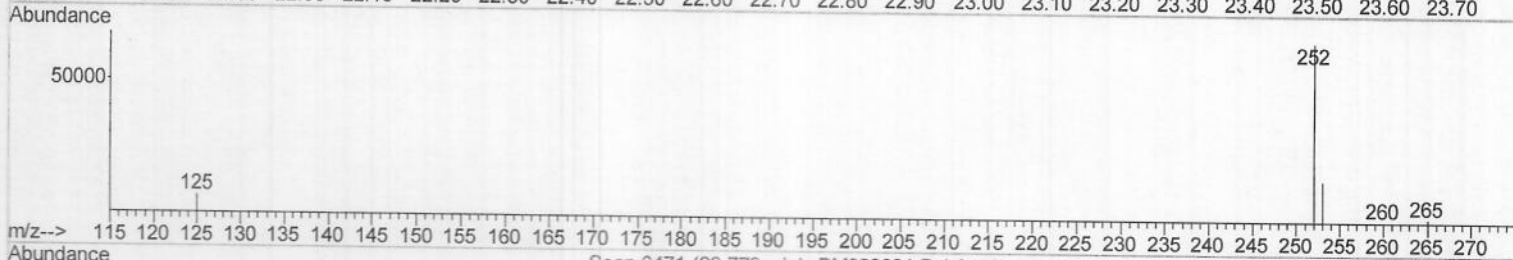
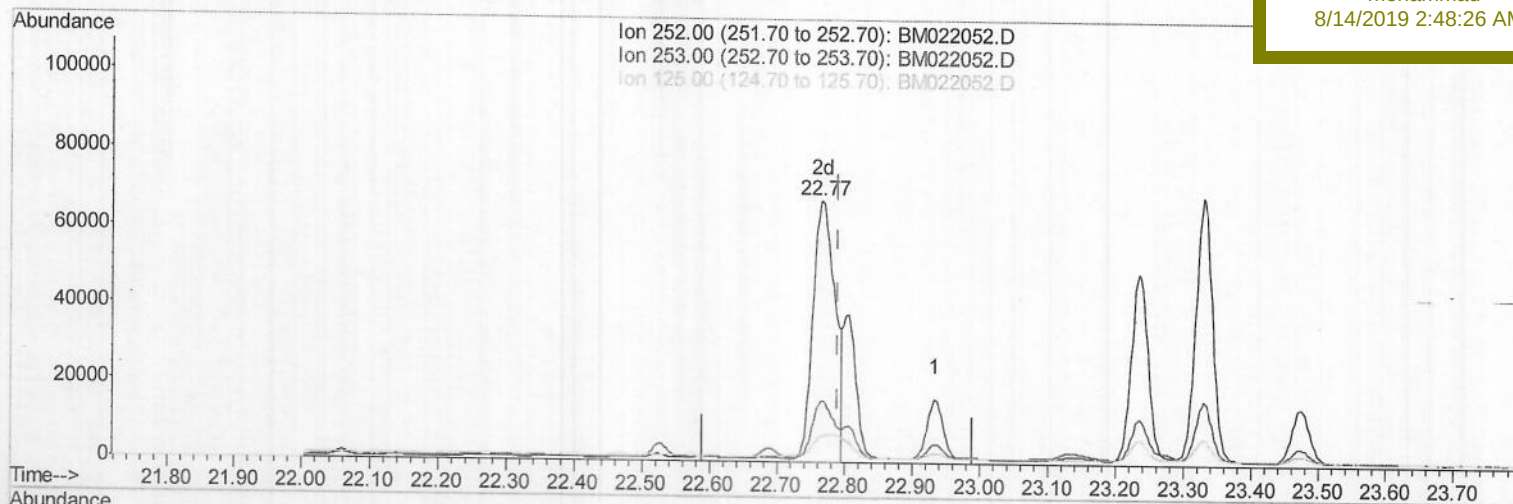
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(21) Benzo(b)fluoranthene

22.766min (-0.024) 8.71ng/ul m

response 154705

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.26
125.00	15.50	9.79
0.00	0.00	0.00

JU
08/11/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

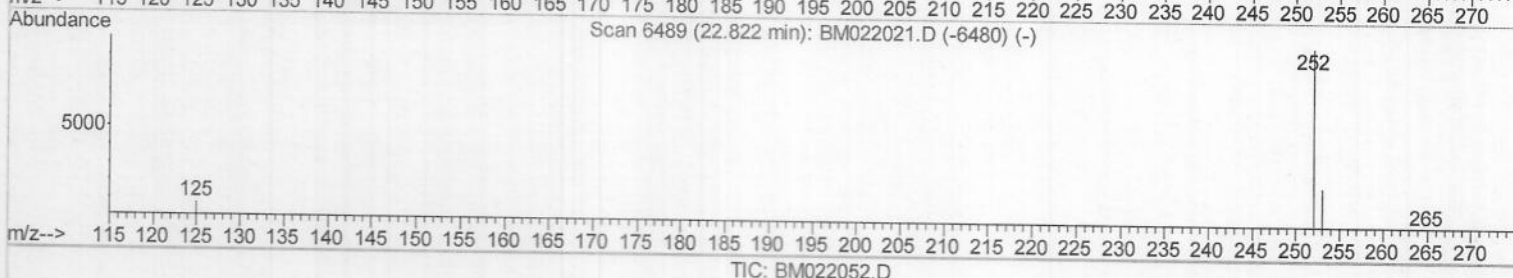
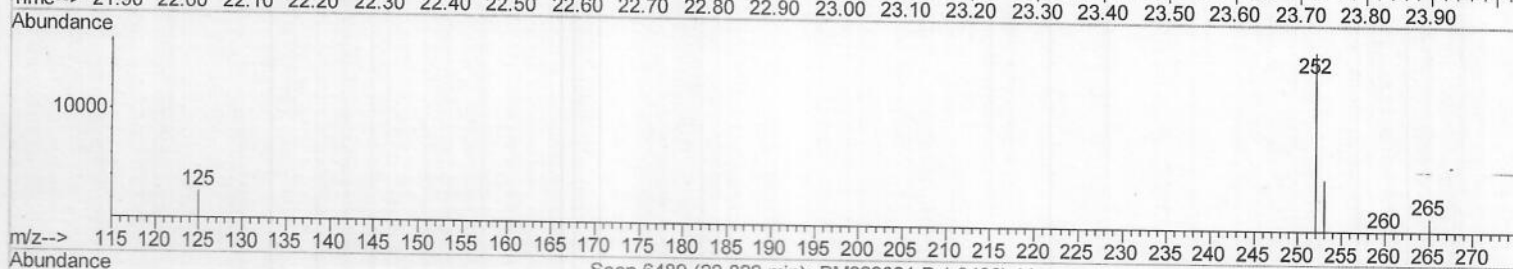
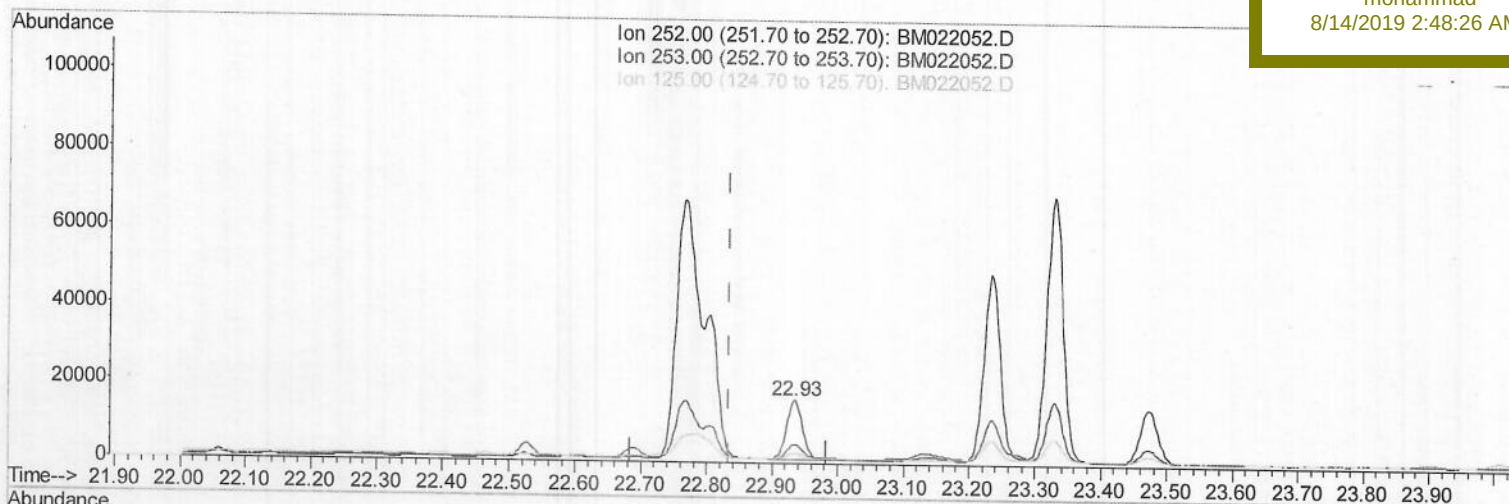
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(22) Benzo(k)fluoranthene

22.934min (+0.099) 1.35ng/ul

response 27041

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	29.81
125.00	15.20	16.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

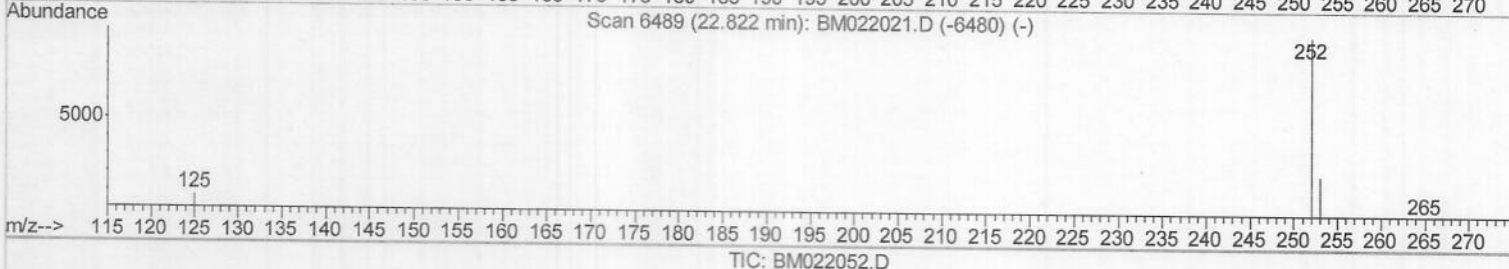
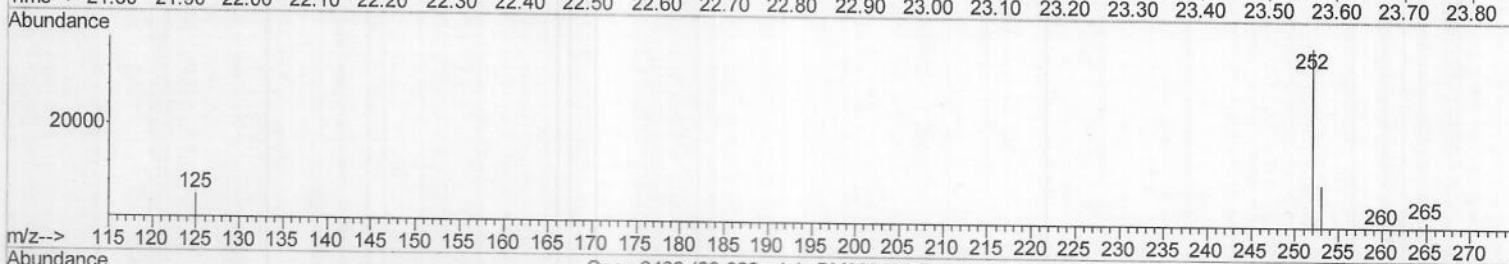
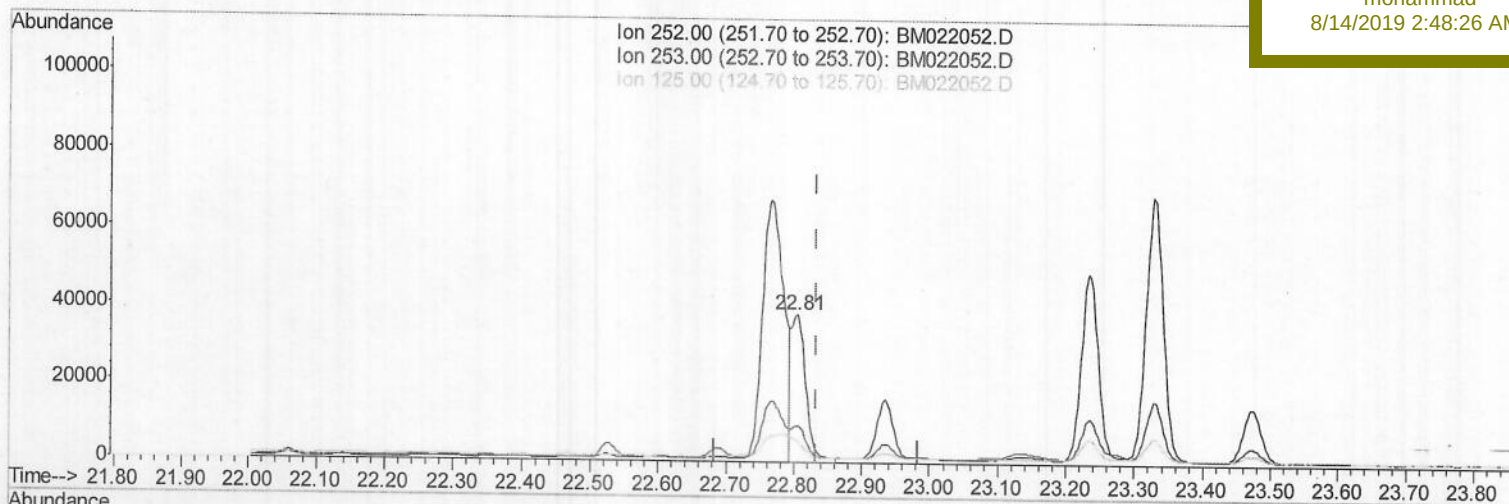
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(22) Benzo(k)fluoranthene

22.805min (-0.029) 2.91ng/ul m) JU
08/17/19

response 58385

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.70#
125.00	15.20	13.74
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

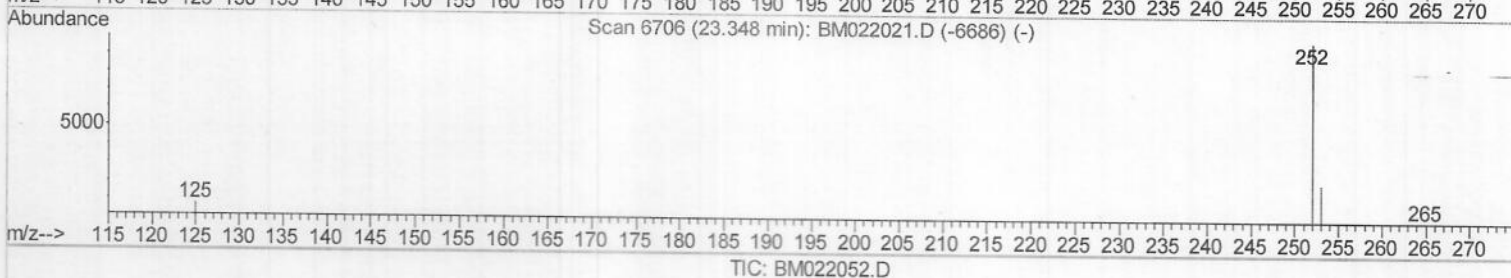
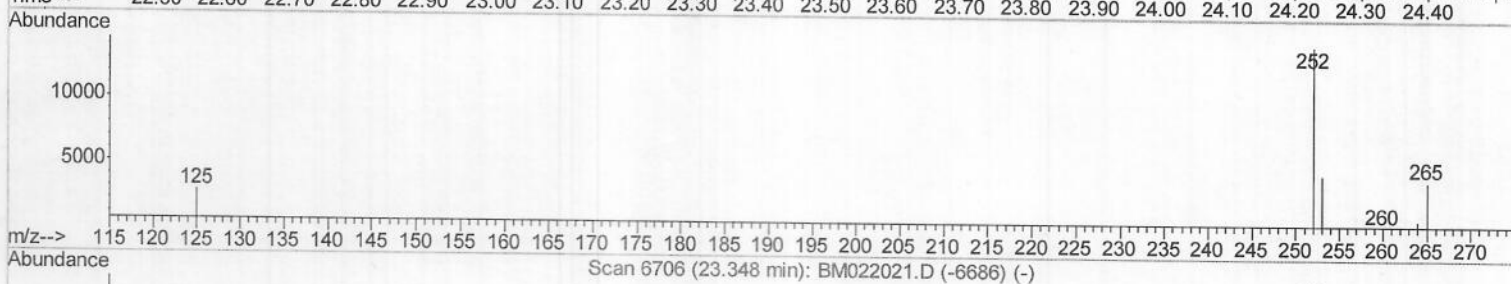
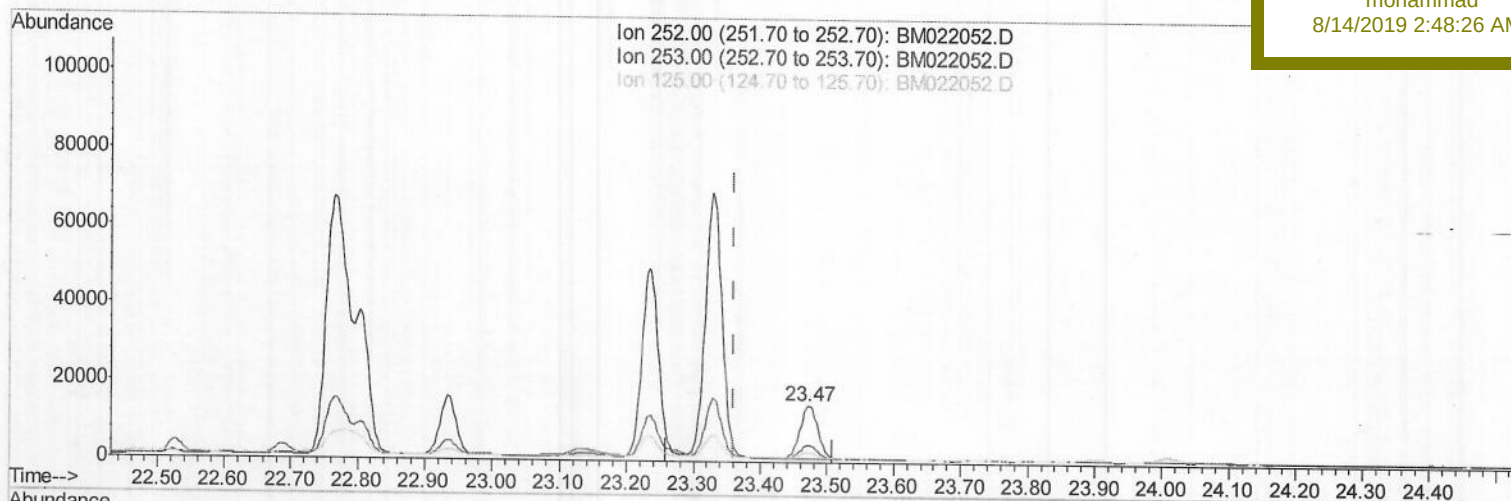
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(23) Benzo(a)pyrene (C)

23.471min (+0.111) 1.42ng/ul

response 25586

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	30.35#
125.00	18.20	18.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

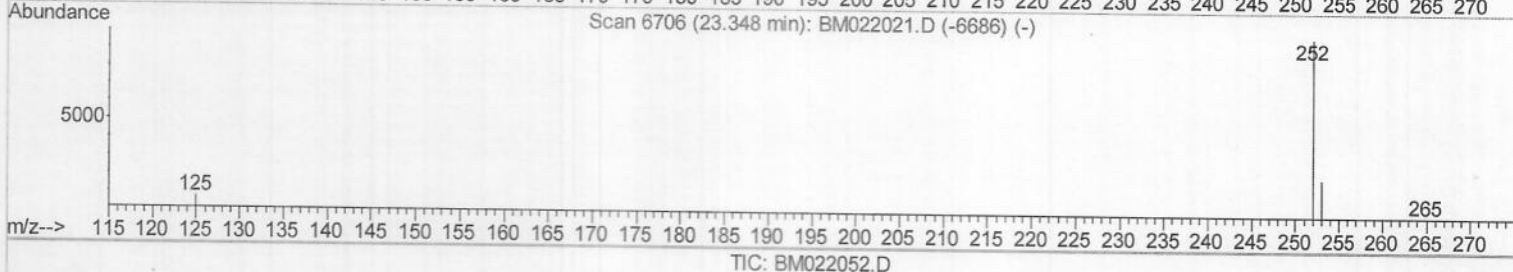
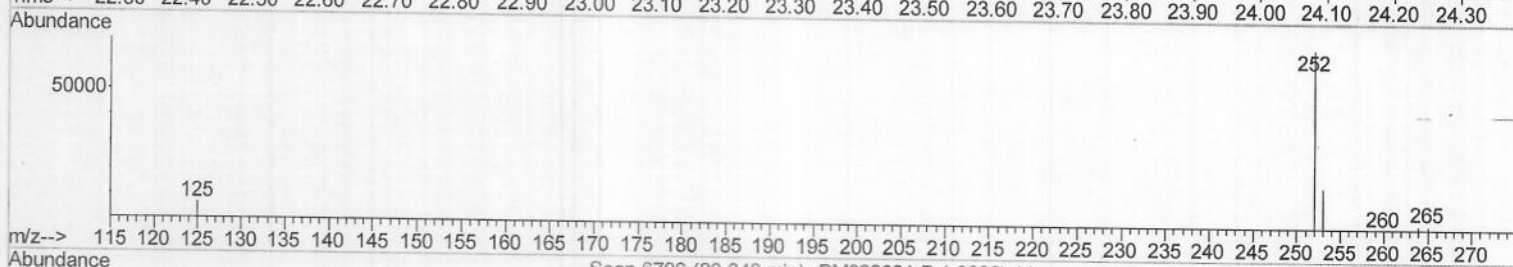
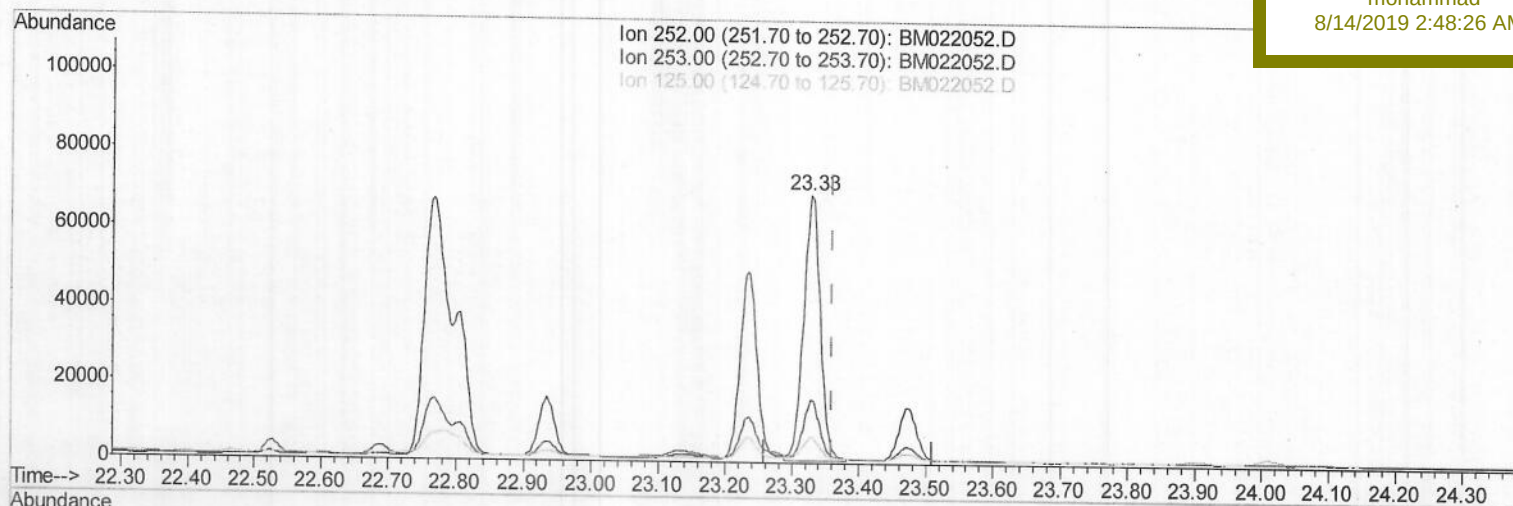
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(23) Benzo(a)pyrene (C)

23.328min (-0.032) 6.69ng/ul m

response 120833

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	23.58#
125.00	18.20	9.61#
0.00	0.00	0.00

JU
08/17/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

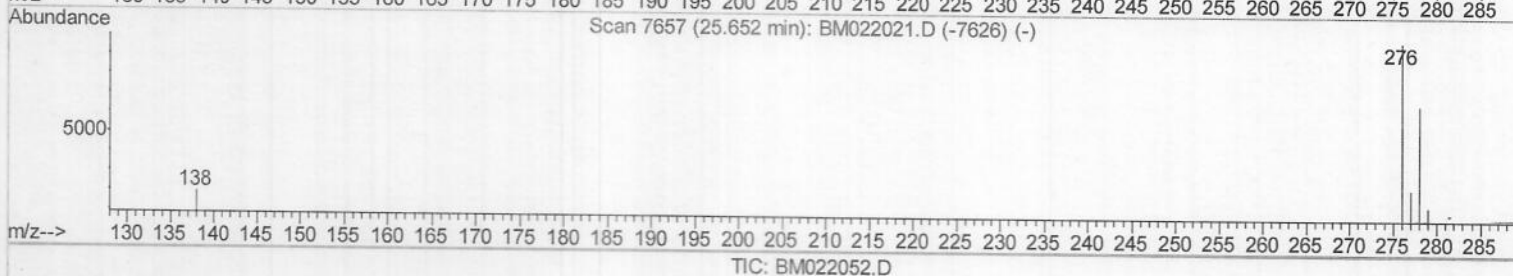
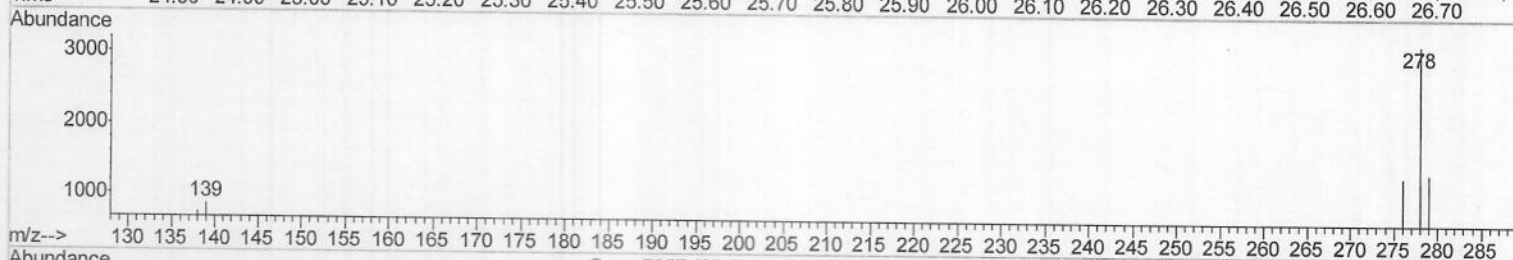
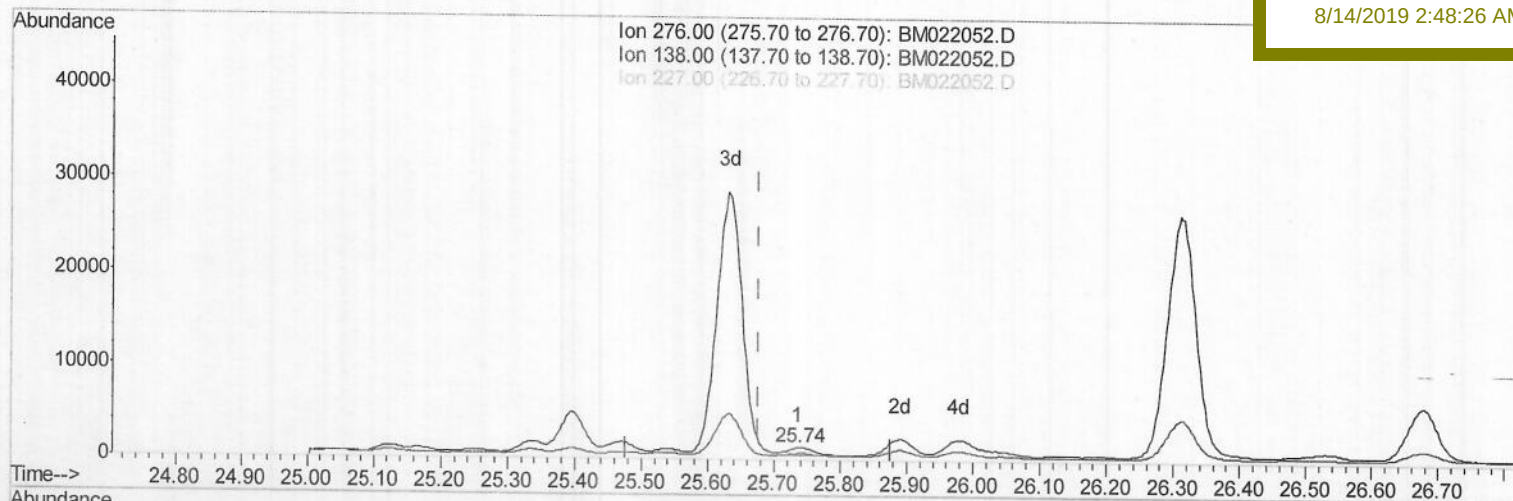
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

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

25.737min (+0.060) 0.10ng/ul

response 2264

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	41.74#
227.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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 :

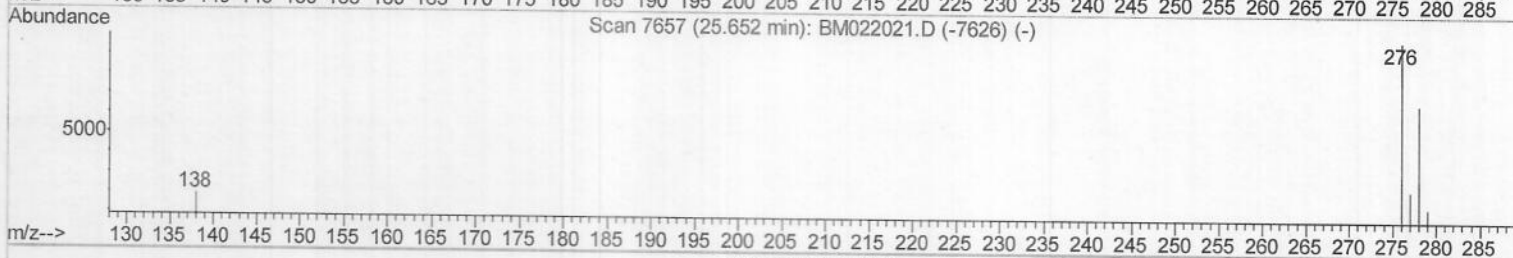
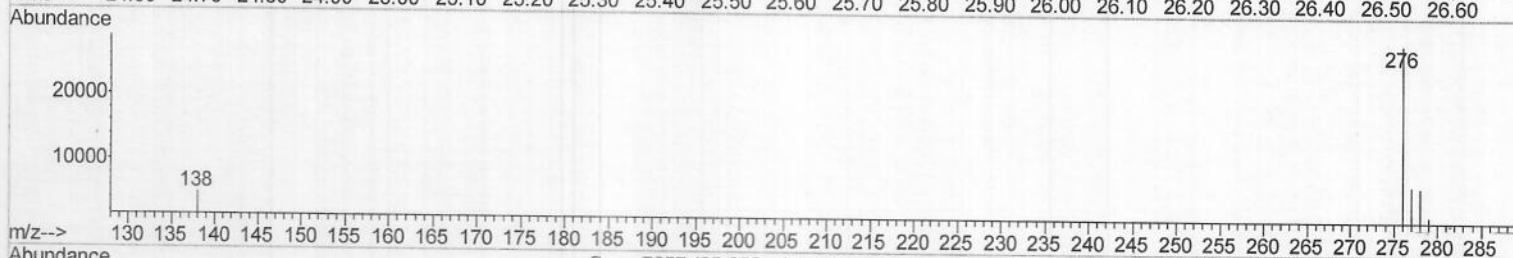
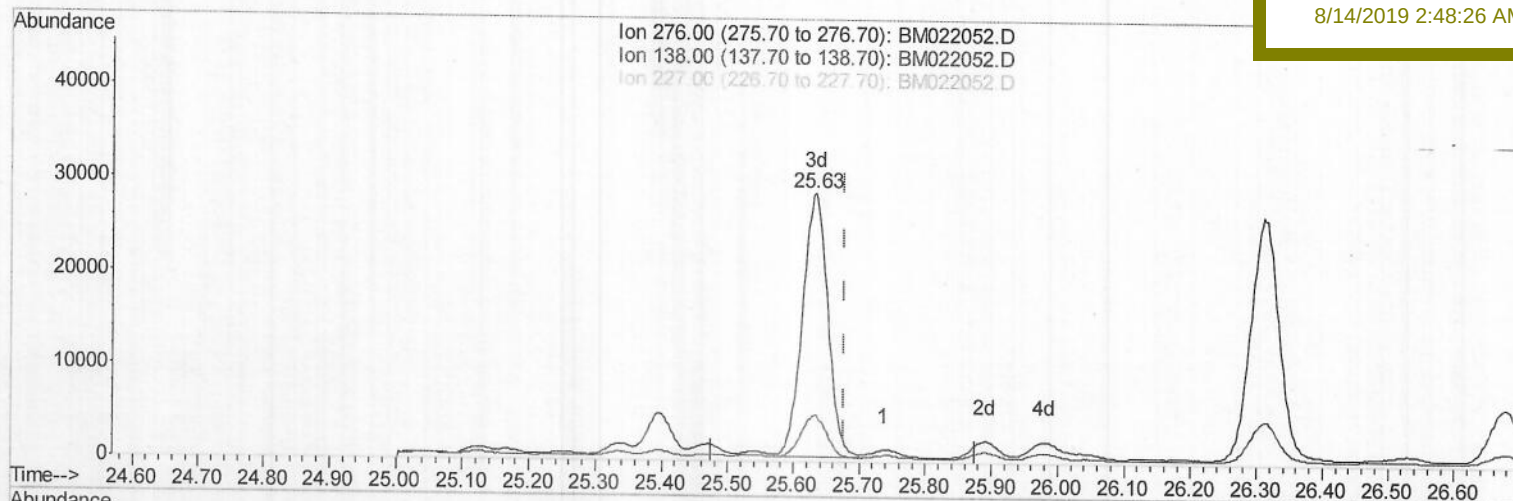
BENW7

Manual Integrations

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TIC: BM022052.D

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

25.633min (-0.044) 3.49ng/ul m

response 75224

Ion Exp% Act%

276.00 100 100

138.00 18.90 1.26#

227.00 0.00 0.00

0.00 0.00 0.00

JU
08/14/19

Quantitation Report (Qedit)

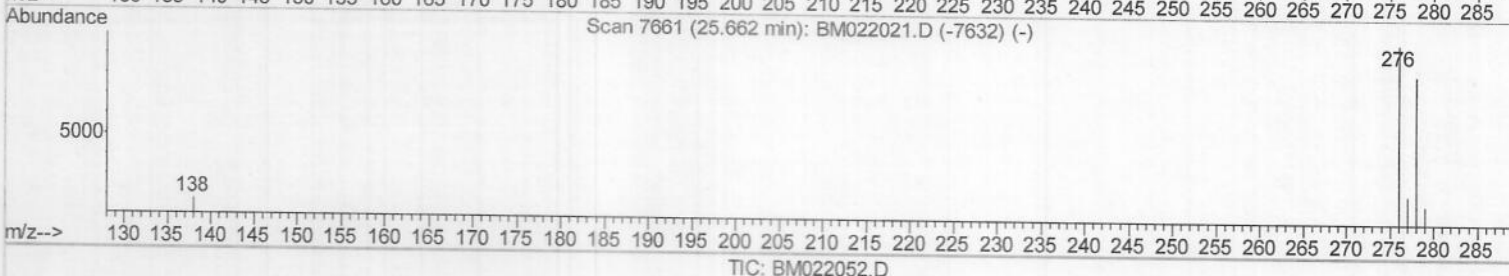
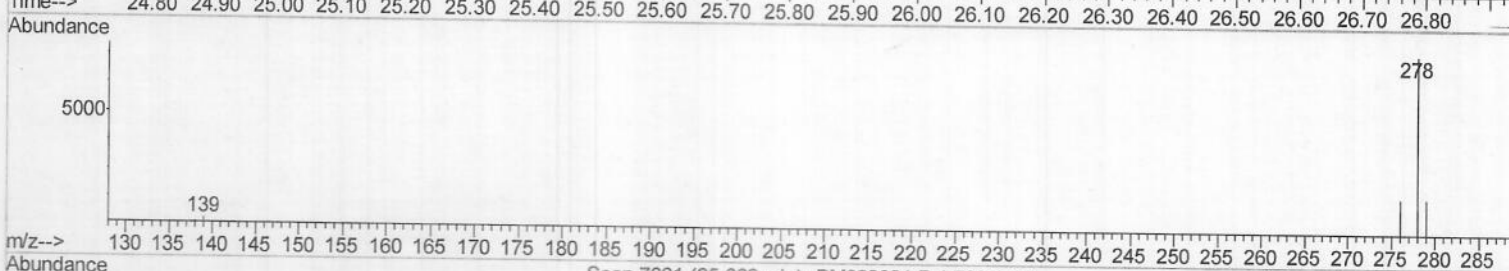
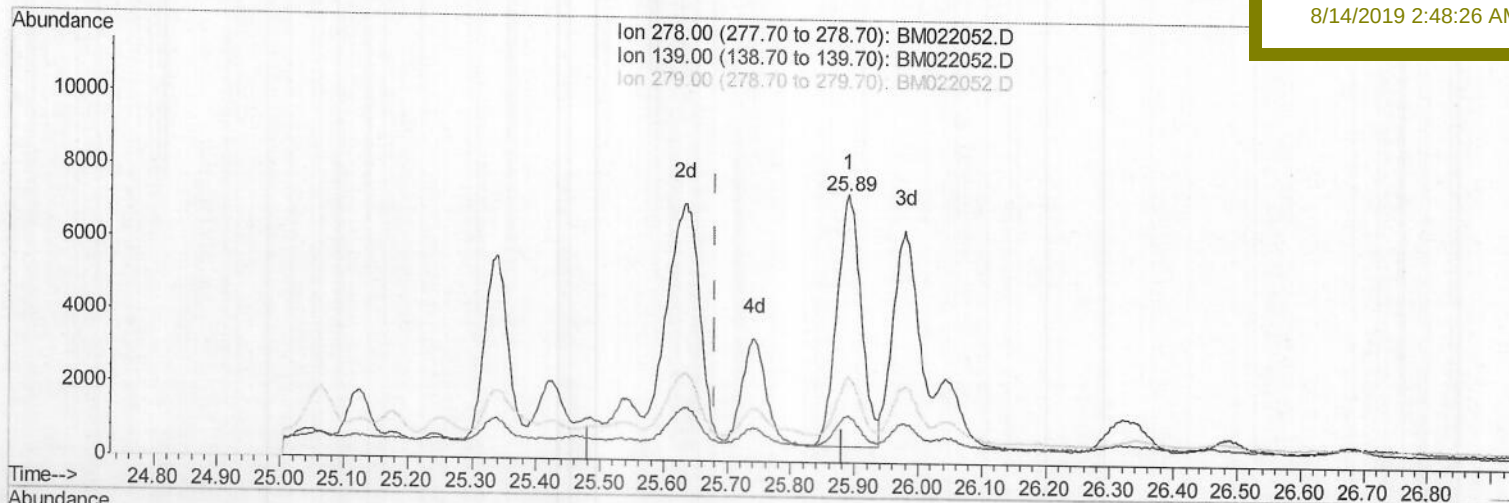
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022052.D
 Acq On : 13 Aug 2019 04:07
 Operator : HP/JU
 Sample : K4041-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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 :
 BENW7

Manual Integrations
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 8/14/2019 2:48:26 AM



(25) Dibenzo(a,h)anthracene

25.889min (+0.208) 1.05ng/ul

response 18223

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	17.07
279.00	35.40	32.05
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

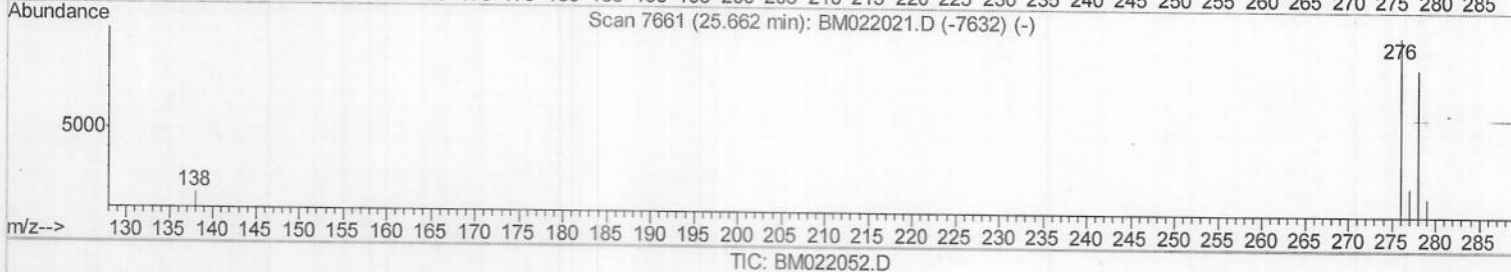
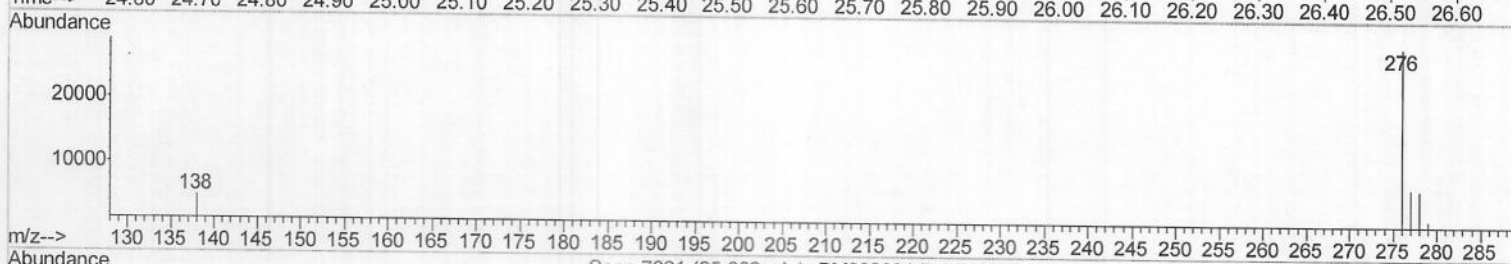
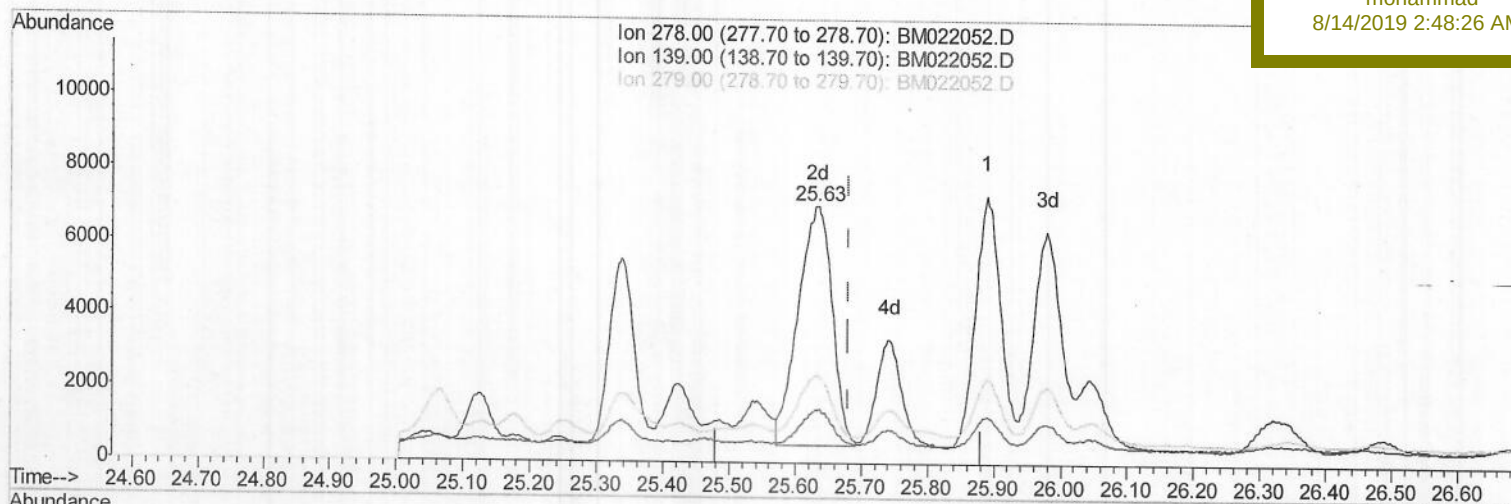
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

(25) Dibenzo(a,h)anthracene

25.633min (-0.049) 1.35ng/ul m)

response 23515

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	20.01
279.00	35.40	33.42
0.00	0.00	0.00

JU
08/17/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\

Data File : BM022052.D

Acq On : 13 Aug 2019 04:07

Operator : HP/JU

Sample : K4041-14

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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

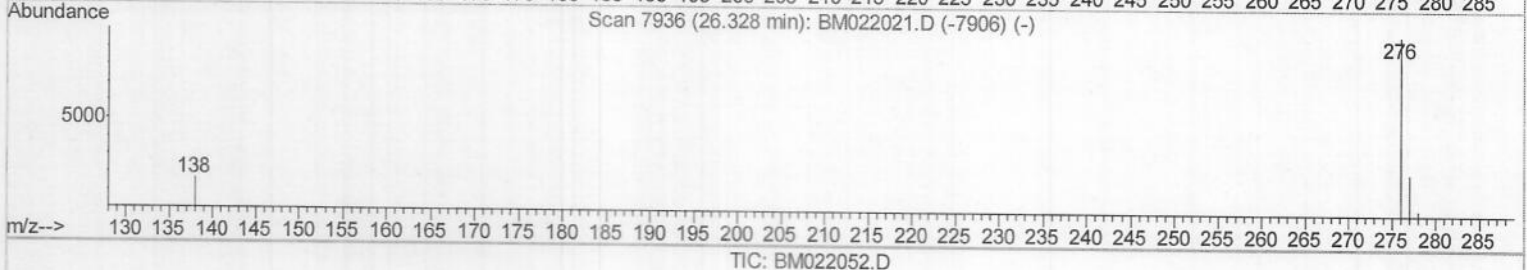
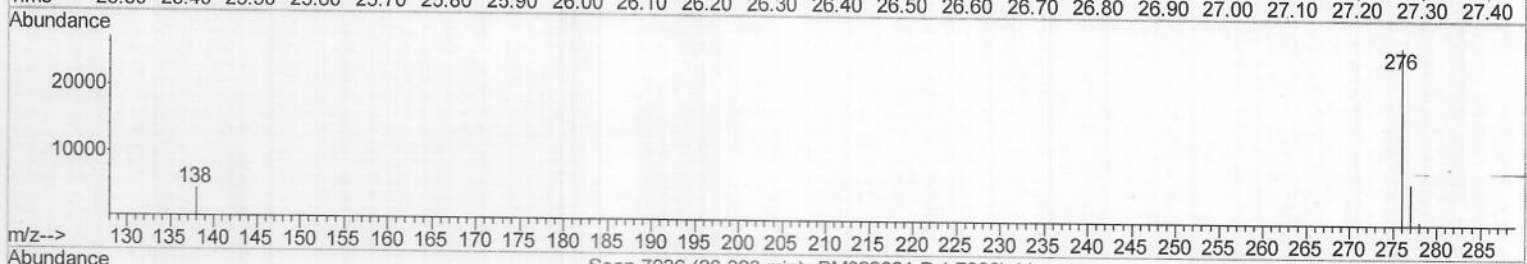
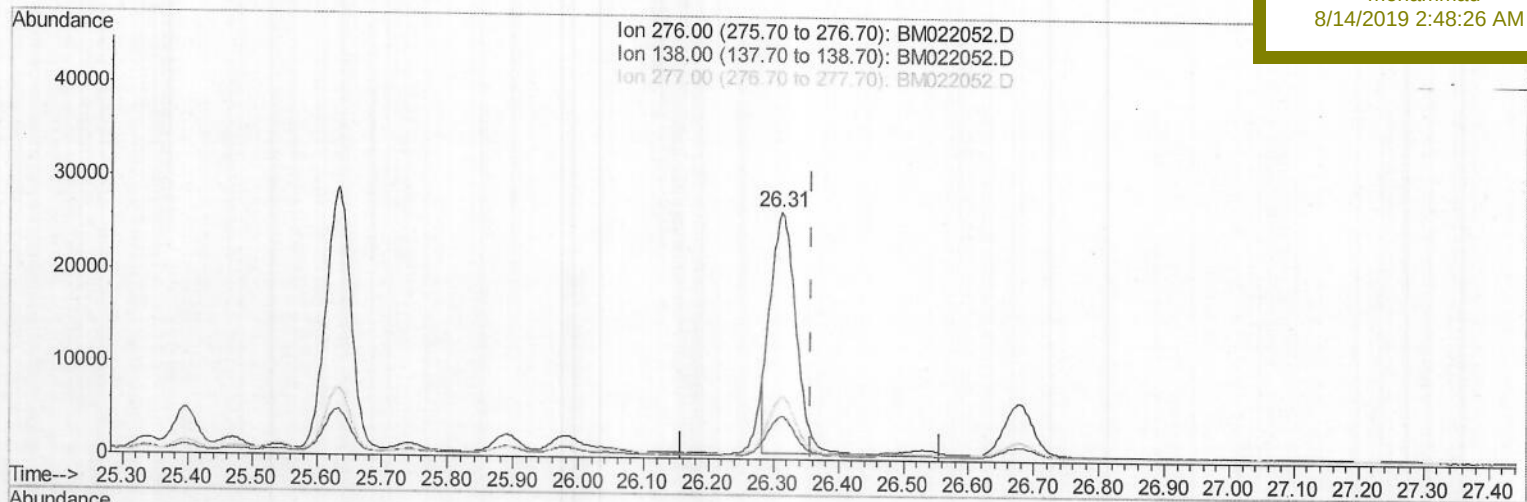
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW7

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:26 AM

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

26.311min (-0.046) 3.73ng/ul

response 72363

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	17.32
277.00	26.80	24.98
0.00	0.00	0.00

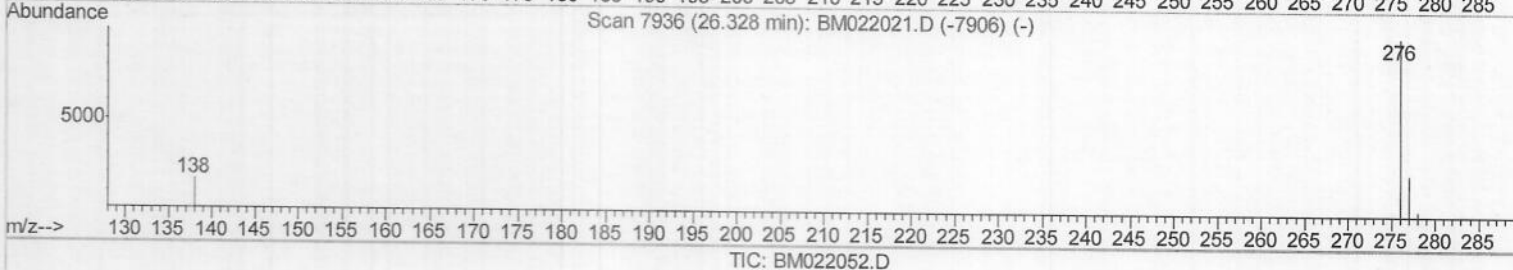
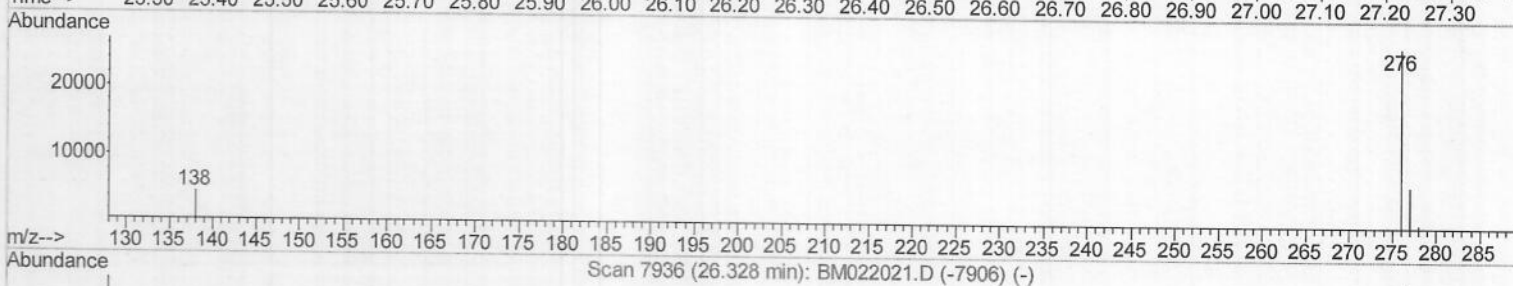
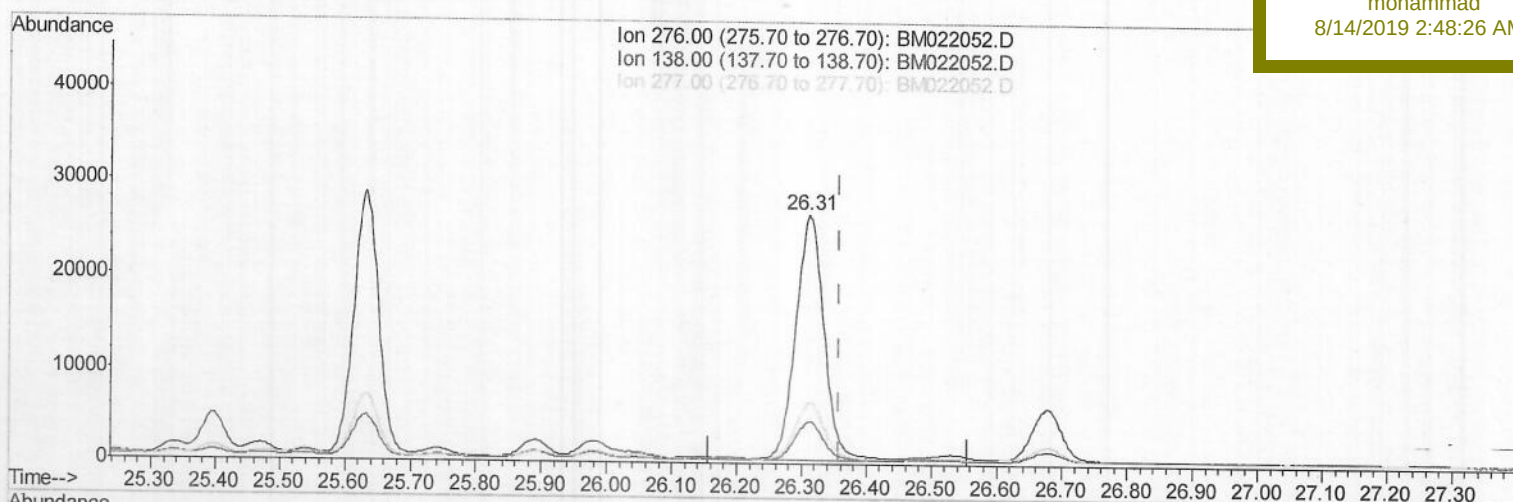
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022052.D
Acq On : 13 Aug 2019 04:07
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 09:08:45 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 :
BENW7

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:26 AM



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

26.311min (-0.046) 4.08ng/ul m
response 79273

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	17.32
277.00	26.80	24.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022052.D
 Acq On : 13 Aug 2019 04:07
 Operator : HP/JU
 Sample : K4041-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW7

Quant Time: Aug 13 09:11:09 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 2:48:26 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	991	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	4058	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	2172	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	5089m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4913m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	5266m	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Methylnaphthalene-d10	11.99	152	1467	0.22	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	4135m	0.24	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.43	128	4165	0.363	ng/ul	96
5) 2-Methylnaphthalene	12.06	142	2534	0.332	ng/ul	97
7) Acenaphthylene	13.98	152	11080	1.094	ng/ul#	82
8) Acenaphthene	14.32	153	2475	0.299	ng/ul	99
9) Fluorene	15.31	166	3237	0.352	ng/ul	98
12) Phenanthrene	17.06	178	76388m	5.159	ng/ul	
13) Anthracene	17.15	178	20874m	1.653	ng/ul	
15) Fluoranthene	19.08	202	168796m	8.510	ng/ul	
17) Pyrene	19.45	202	195383	9.678	ng/ul	98
18) Benzo(a)anthracene	21.20	228	127047m	7.229	ng/ul	
19) Chrysene	21.26	228	131494	5.818	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	154705m	8.712	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	58385m	2.905	ng/ul	
23) Benzo(a)pyrene	23.33	252	120833m	6.691	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.63	276	75224m	3.489	ng/ul	
25) Dibenzo(a,h)anthracene	25.63	278	23515m	1.349	ng/ul	
26) Benzo(g,h,i)perylene	26.31	276	79273m	4.084	ng/ul	

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