

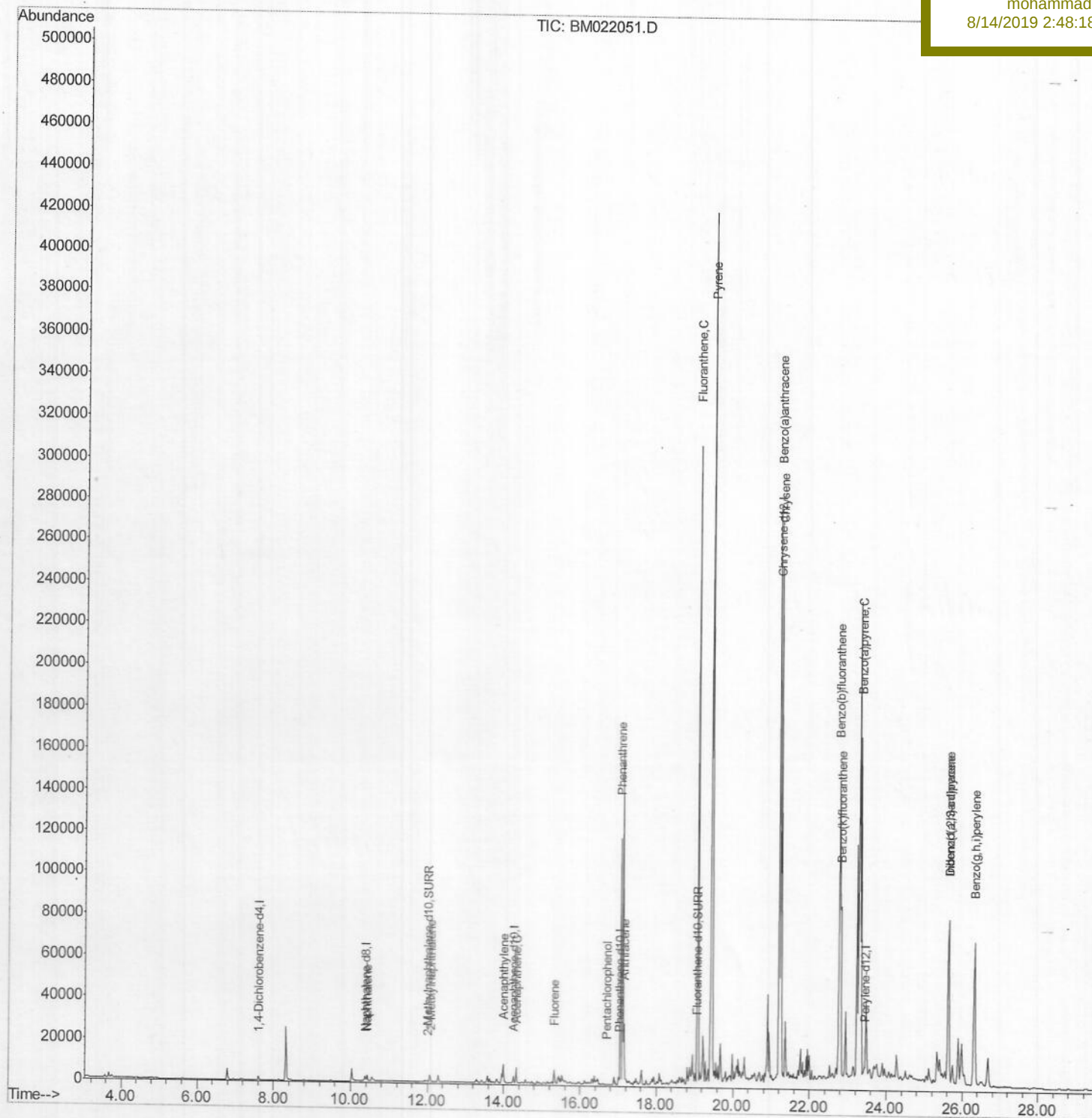
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022051.D
Acq On : 13 Aug 2019 03:31
Operator : HP/JU
Sample : K4041-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:04:39 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 :
BENW8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:18 AM



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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:53:45 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

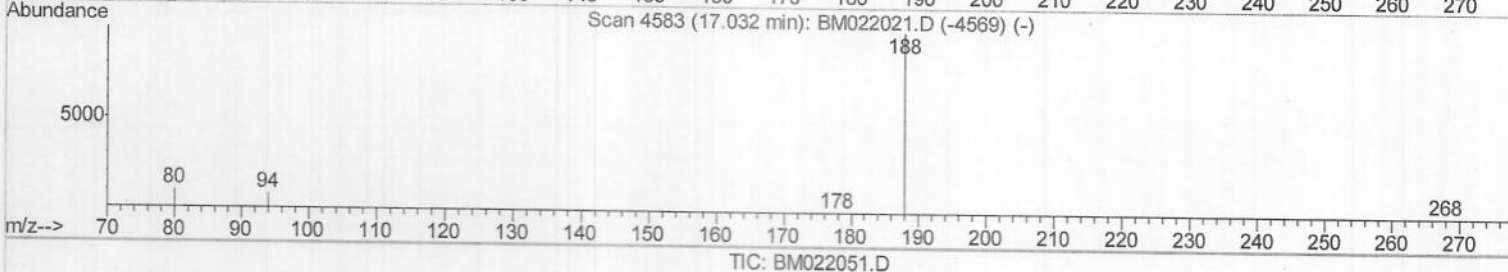
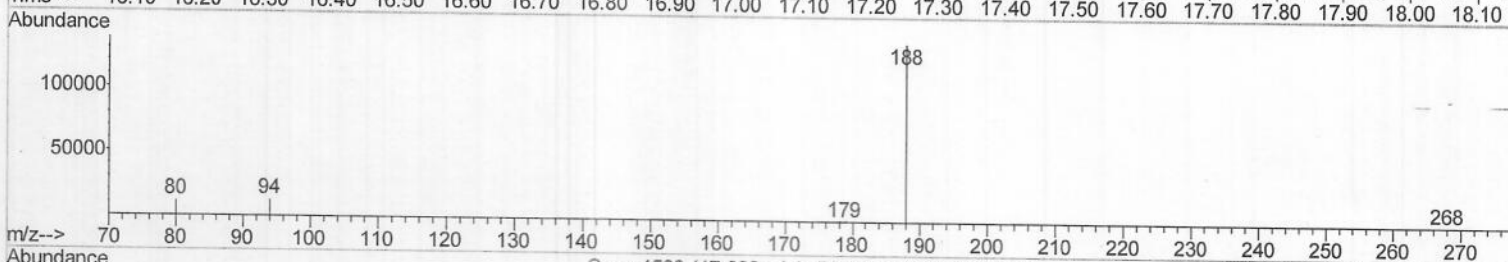
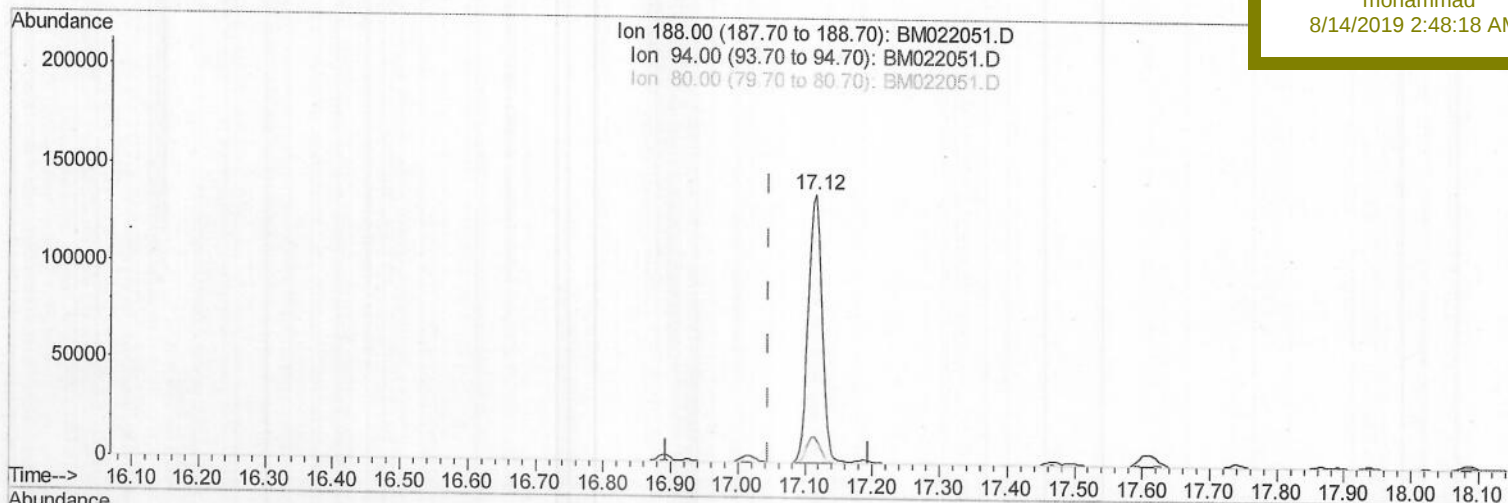
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampled :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(10) Phenanthrene-d10 (I)

17.116min (+0.071) 0.40ng/ul

response 190040

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.94
80.00	11.40	8.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:53:45 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 :

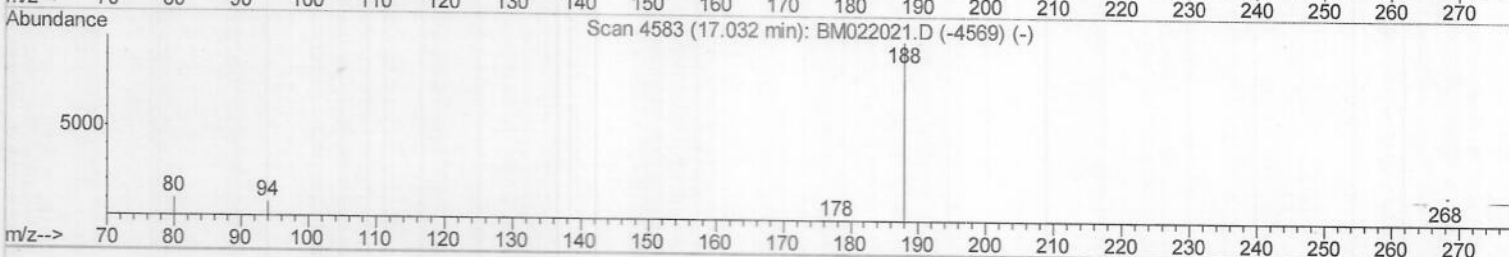
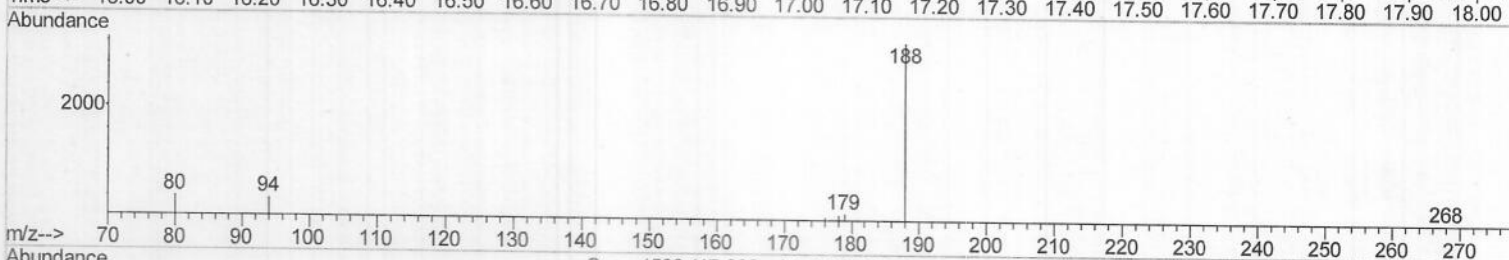
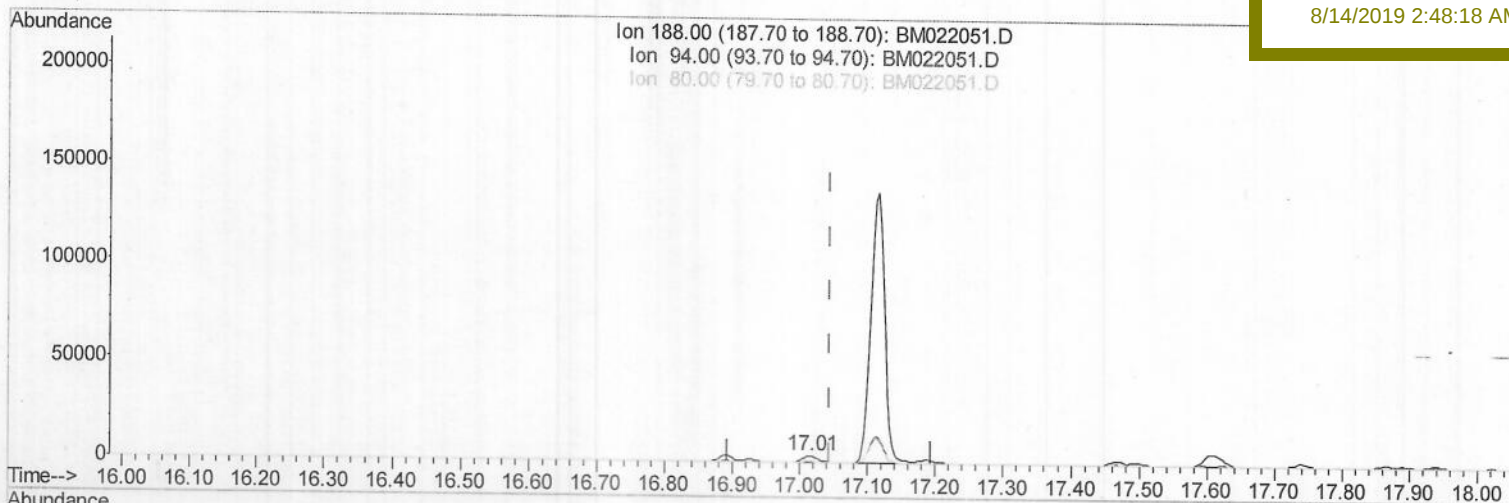
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



(10) Phenanthrene-d10 (I)

17.015min (-0.029) 0.40ng/ul m

response 4823

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.26
80.00	11.40	12.12
0.00	0.00	0.00

JU
08/17/19

Quantitation Report (Qedit)

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :

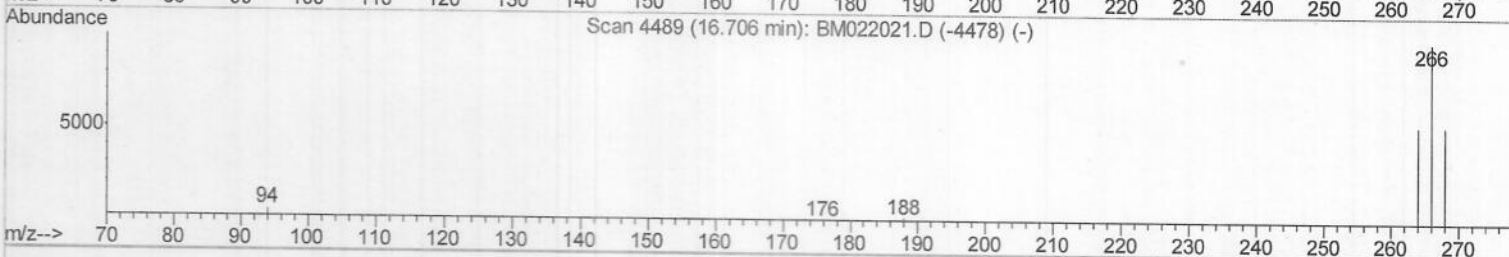
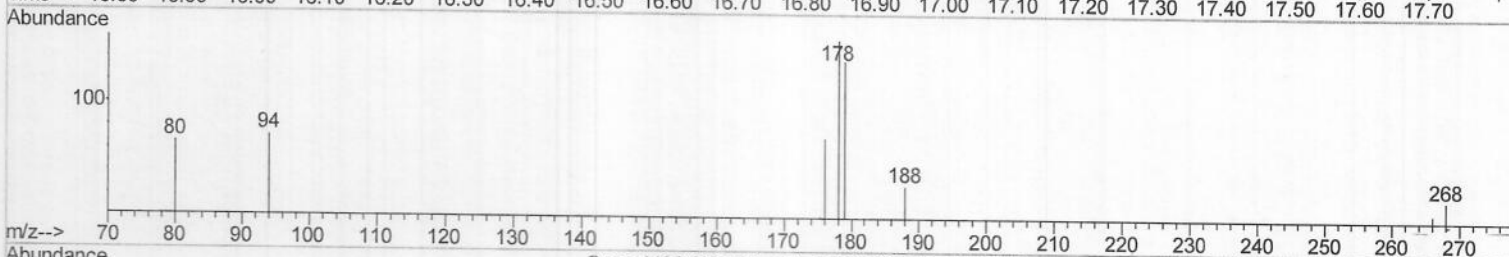
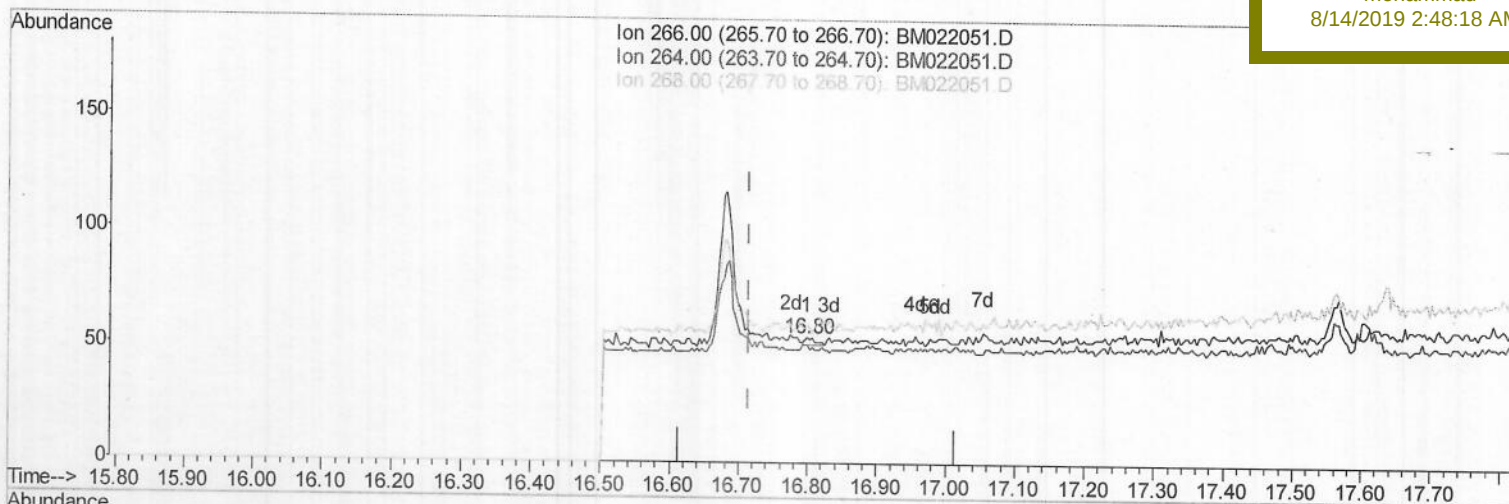
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



TIC: BM022051.D

(11) Pentachlorophenol

16.800min (+0.085) 0.00ng/ul

response 3

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	33.33#
268.00	72.00	100.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

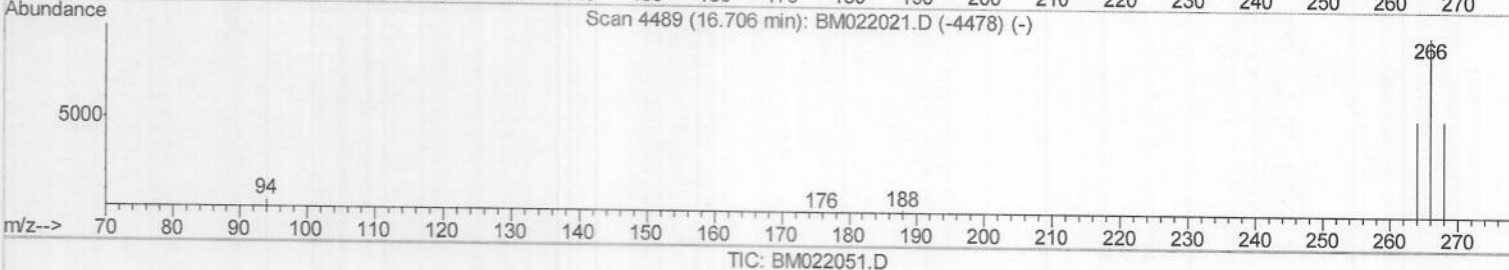
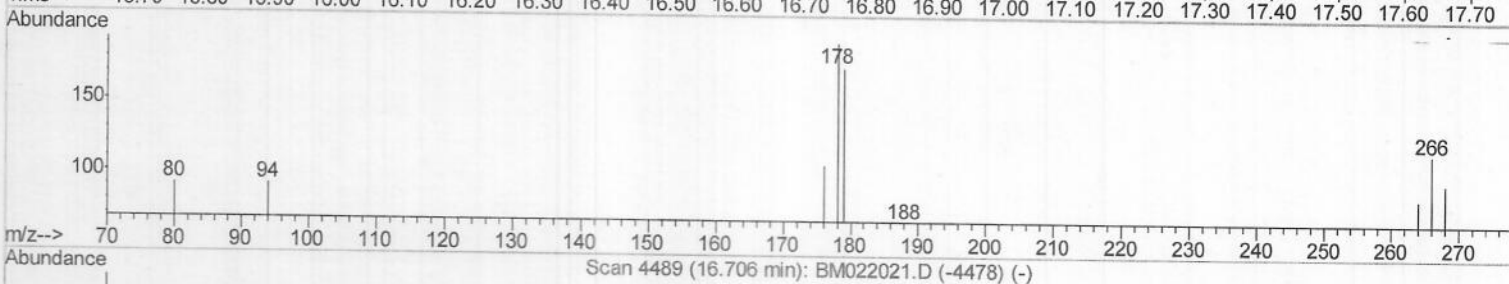
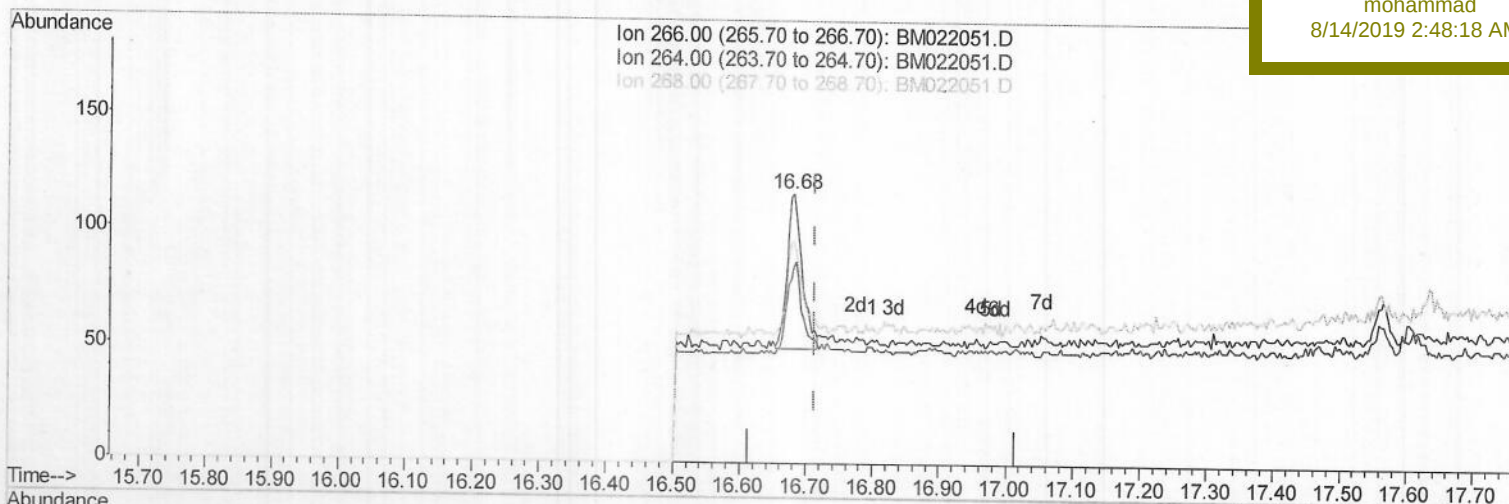
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :
 BENW8

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:18 AM



(11) Pentachlorophenol

16.682min (-0.033) 0.12ng/ul m. JU

response 104

08/14/19

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	0.96#
268.00	72.00	2.88#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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

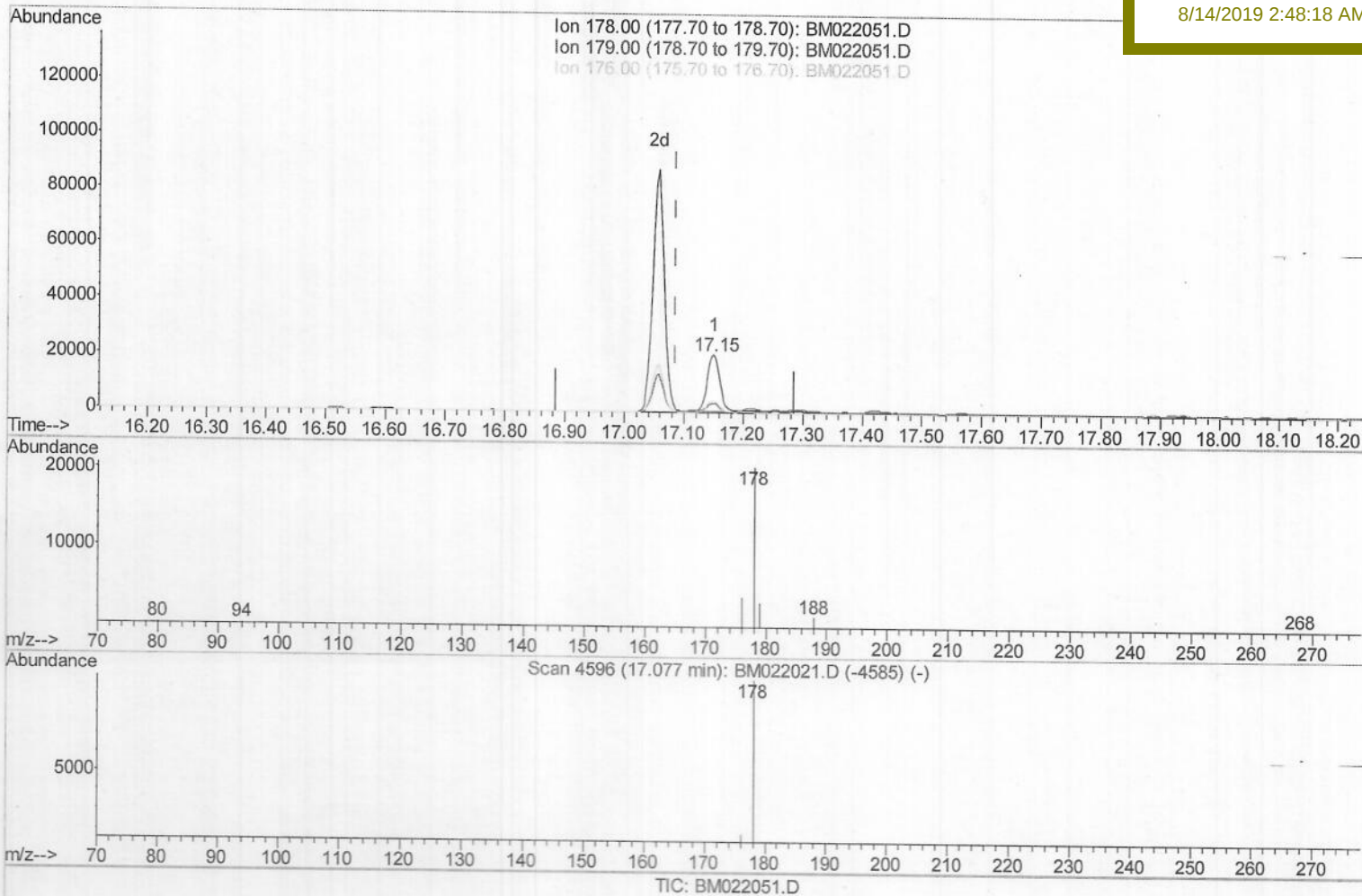
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(12) Phenanthrene

17.150min (+0.064) 2.16ng/ul

response 30381

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.16
176.00	21.00	19.30
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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

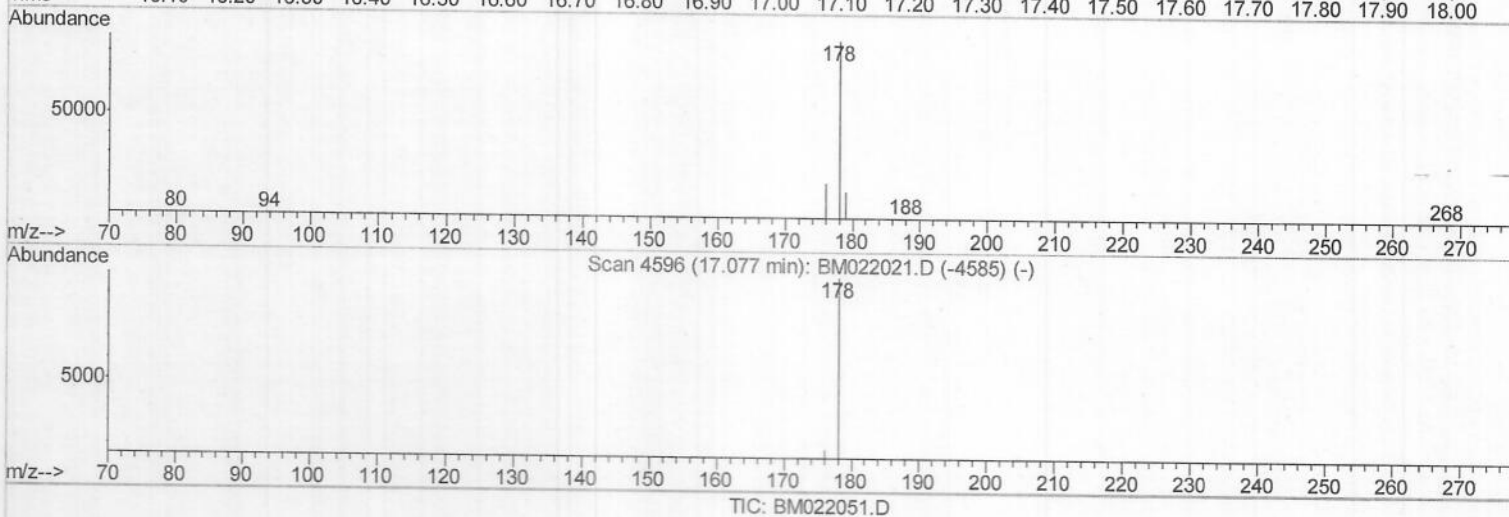
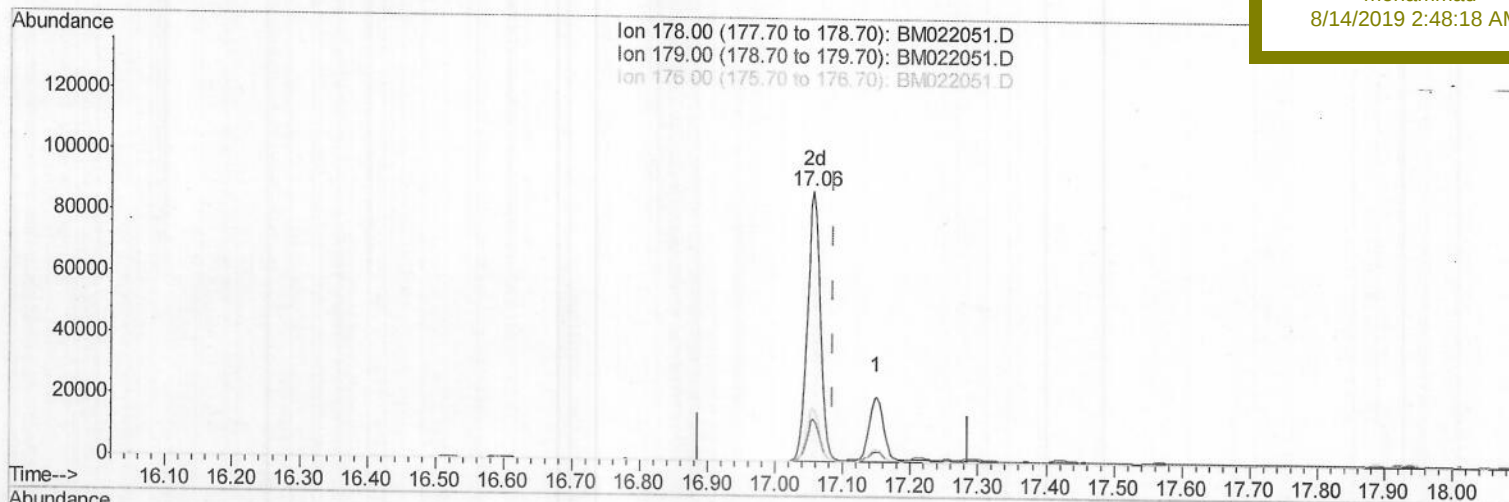
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(12) Phenanthrene

17.057min (-0.029) 8.52ng/ul m

response 119538

Ion Exp% Act%

178.00 100 100

179.00 17.70 15.37

176.00 21.00 19.67

0.00 0.00 0.00

Quantitation Report (Qedit)

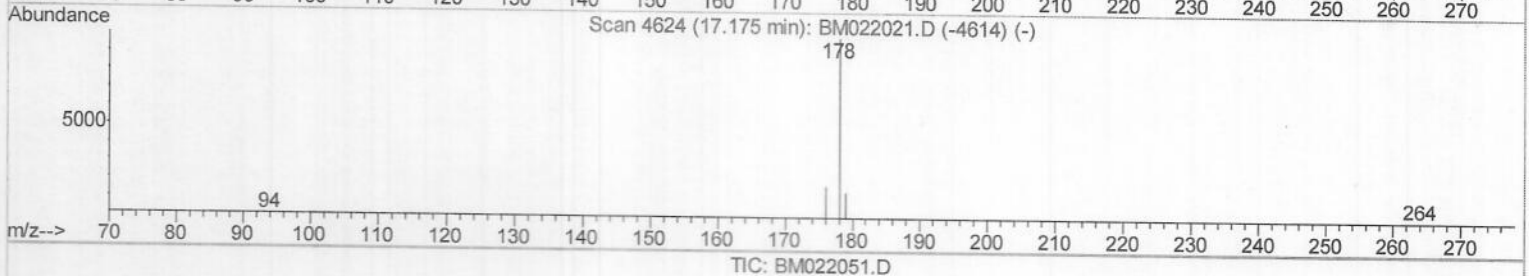
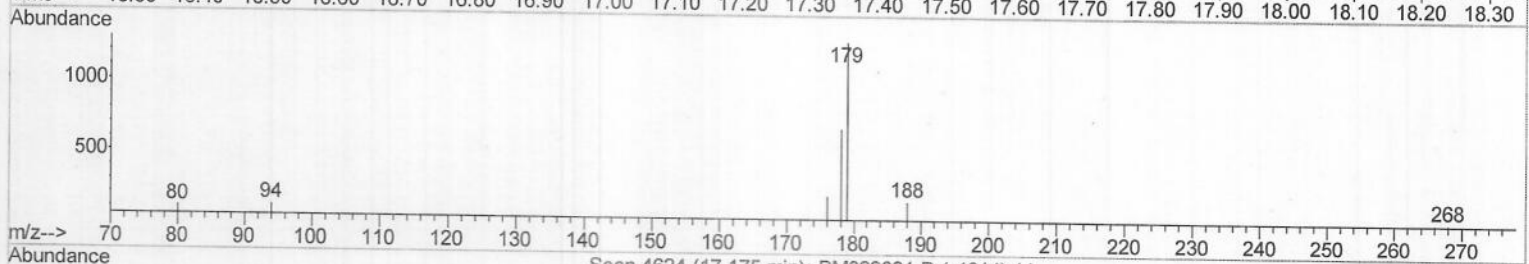
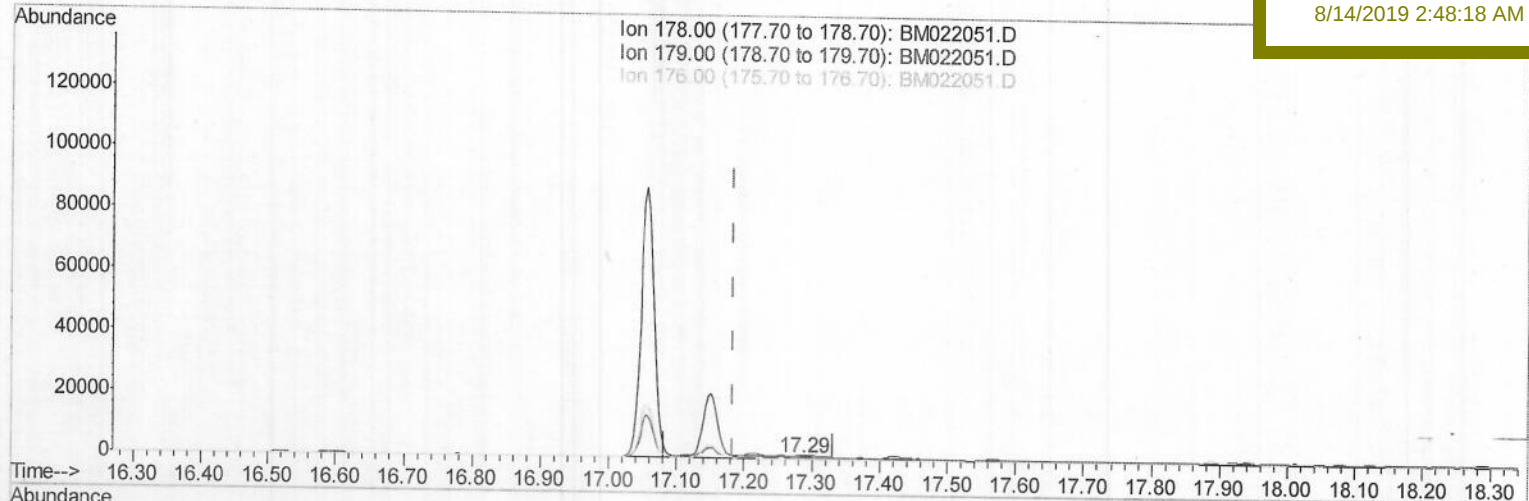
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :
 BENW8

Manual Integrations
APPROVED

mohammad
 8/14/2019 2:48:18 AM



TIC: BM022051.D

(13) Anthracene

17.286min (+0.103) 0.08ng/ul

response 945

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	188.50#
176.00	20.80	30.42#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :

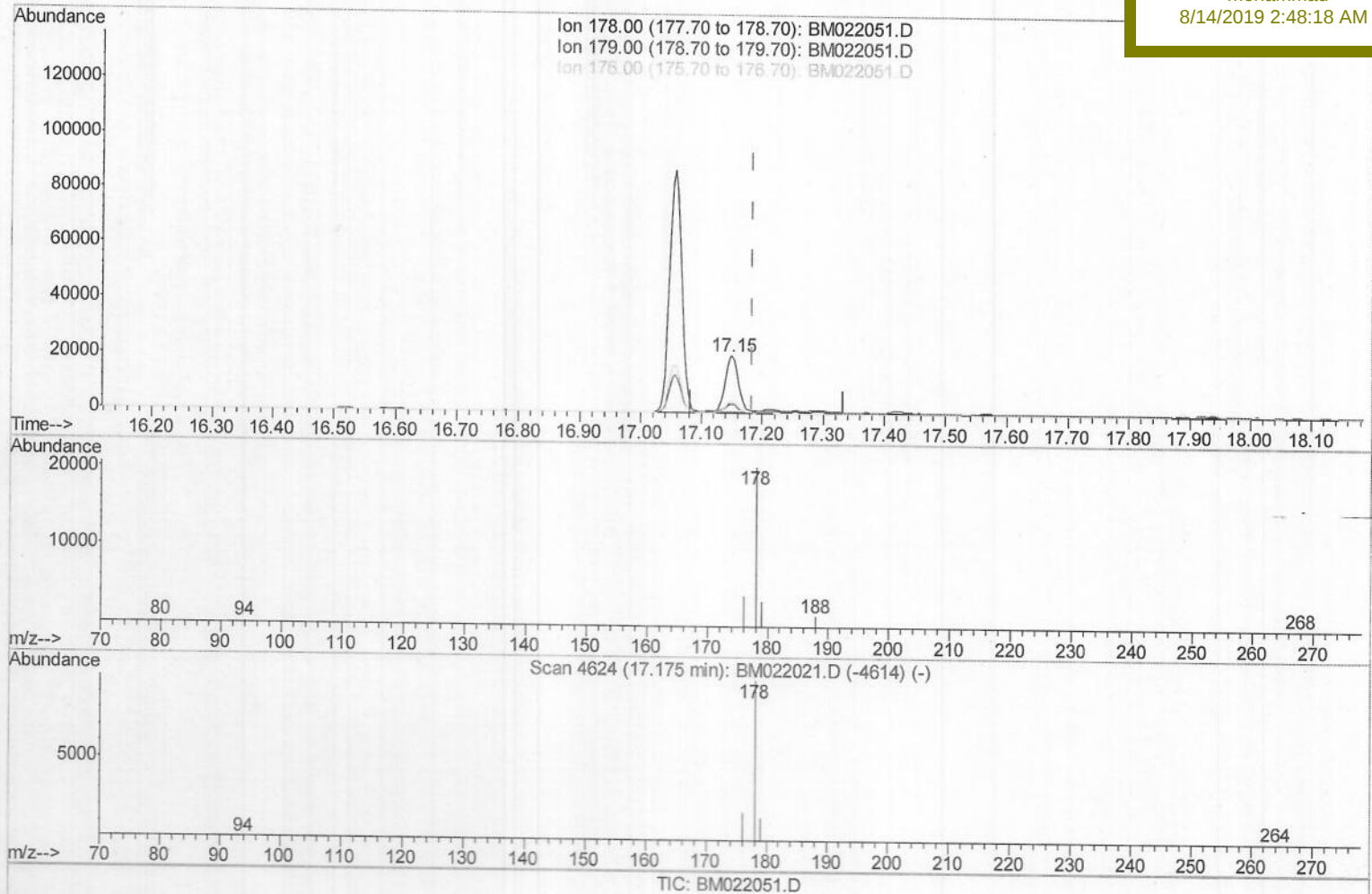
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



(13) Anthracene

17.150min (-0.033) 2.49ng/ul m)JU

response 29774

08/14/19

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.16
176.00	20.80	19.30
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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

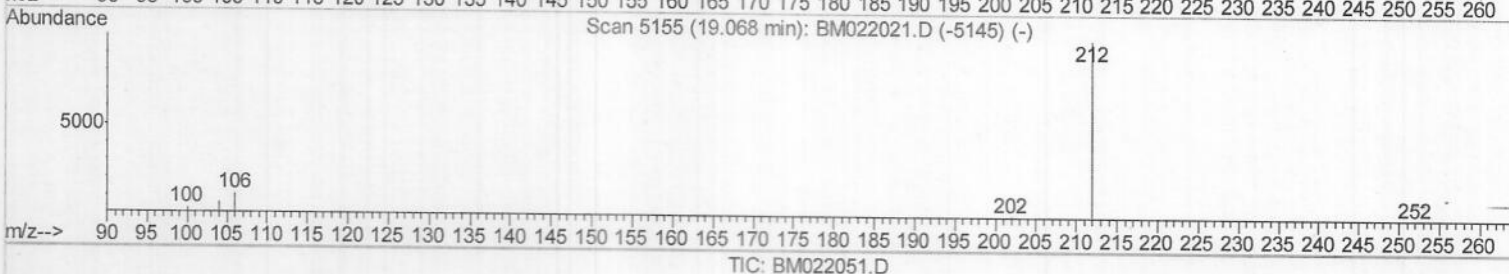
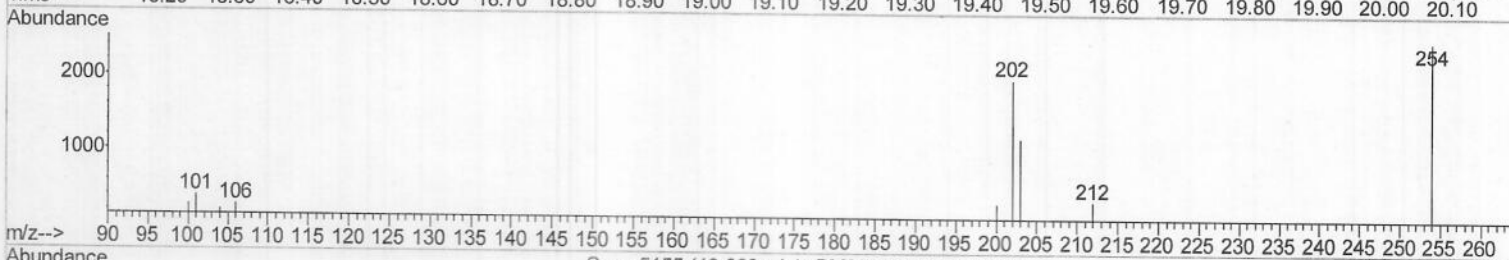
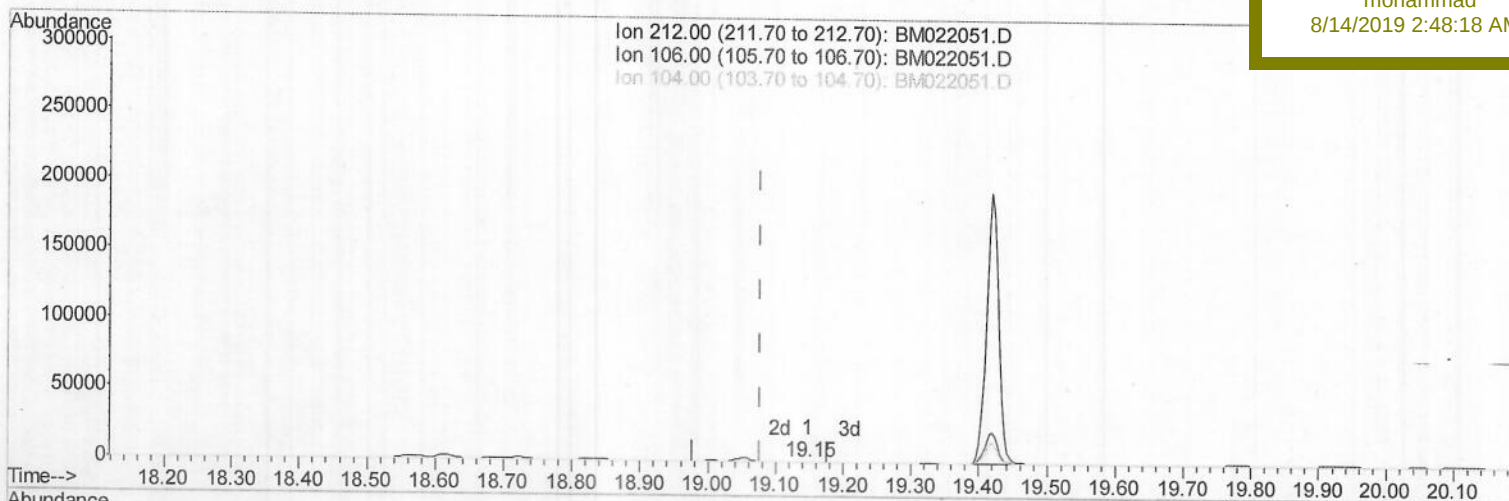
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(14) Fluoranthene-d10 (SURR)

19.148min (+0.071) 0.03ng/ul

response 457

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	18.82#
104.00	6.00	0.00#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :

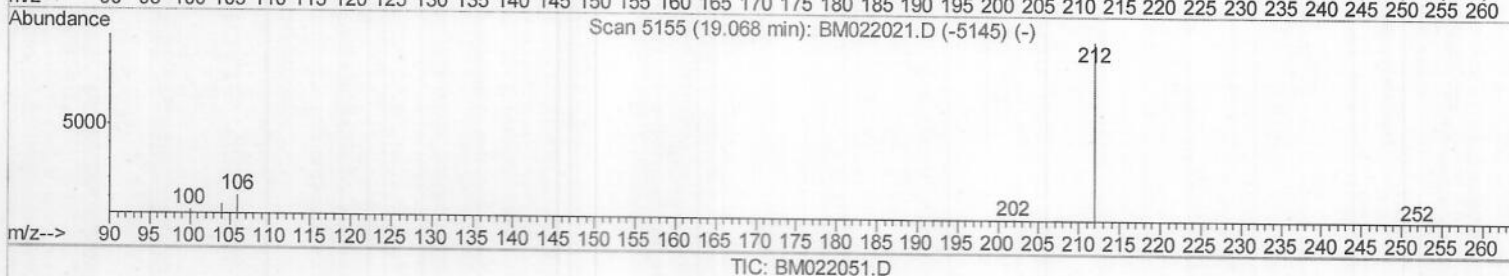
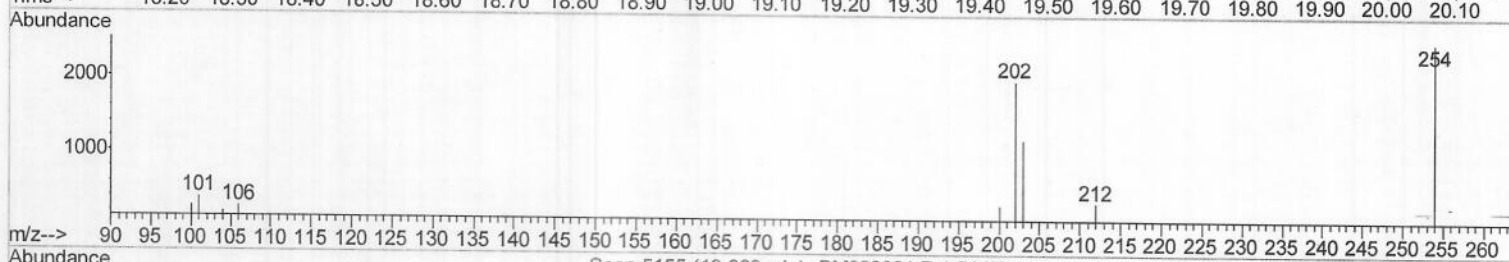
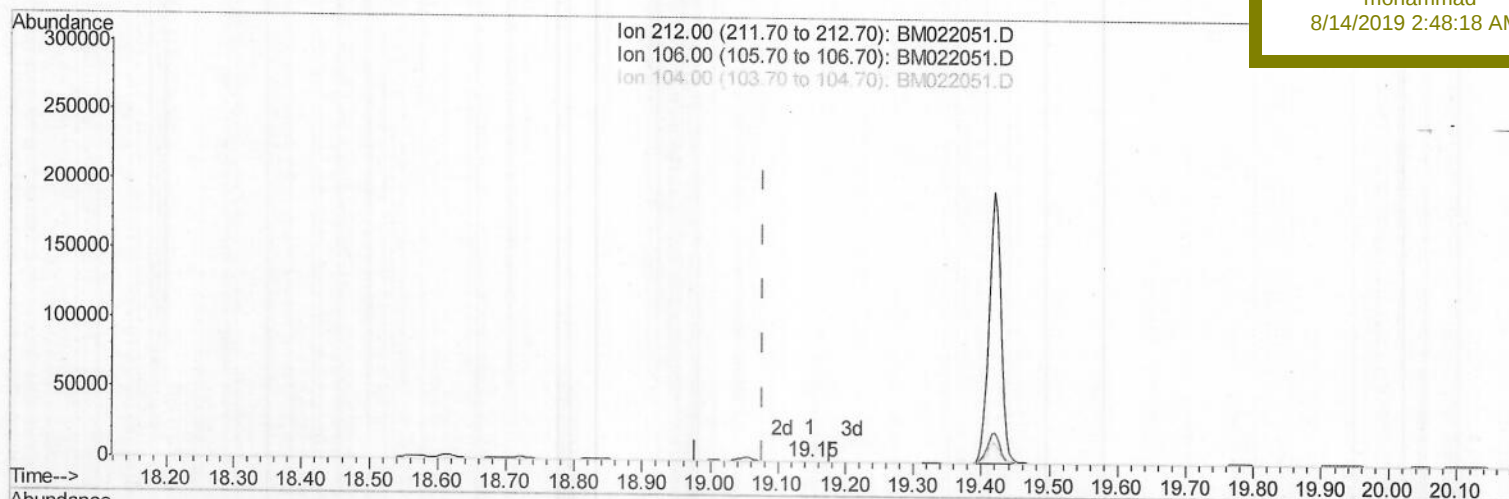
BNA_M

ClientSampleId :

BENW8

Manual Integrations

APPROVED

mohammad
8/14/2019 2:48:18 AM

(14) Fluoranthene-d10 (SURR)

19.148min (+0.071) 0.03ng/ul

response 457

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	18.82#
104.00	6.00	0.00#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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

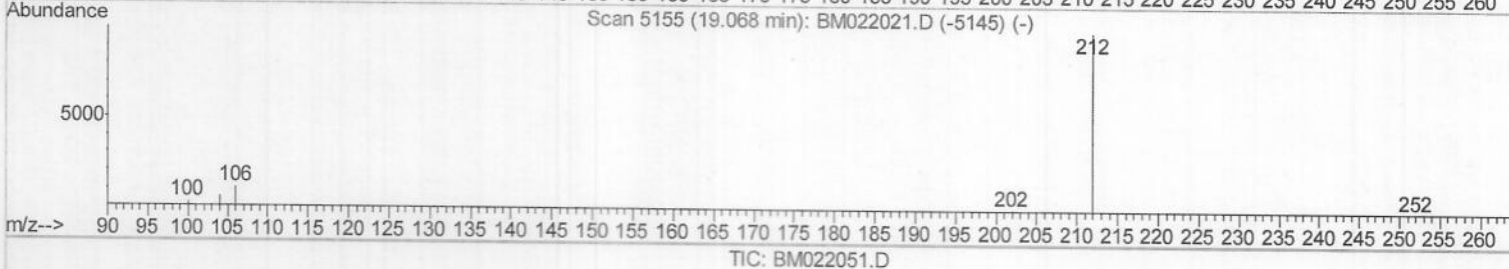
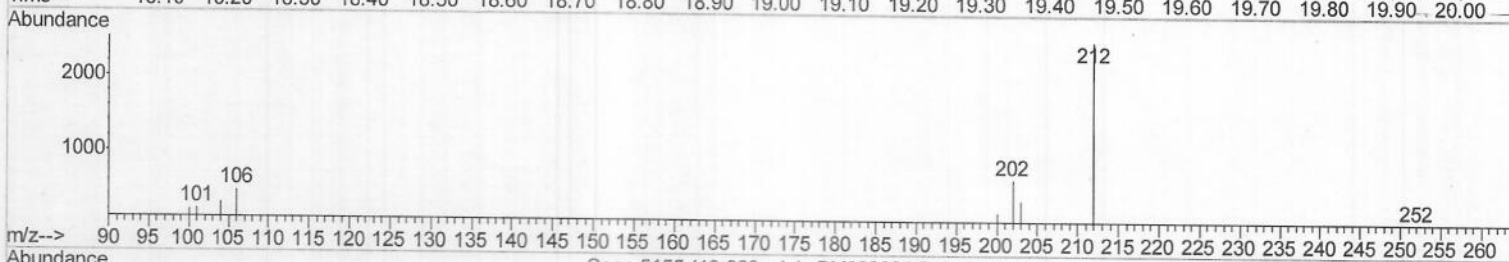
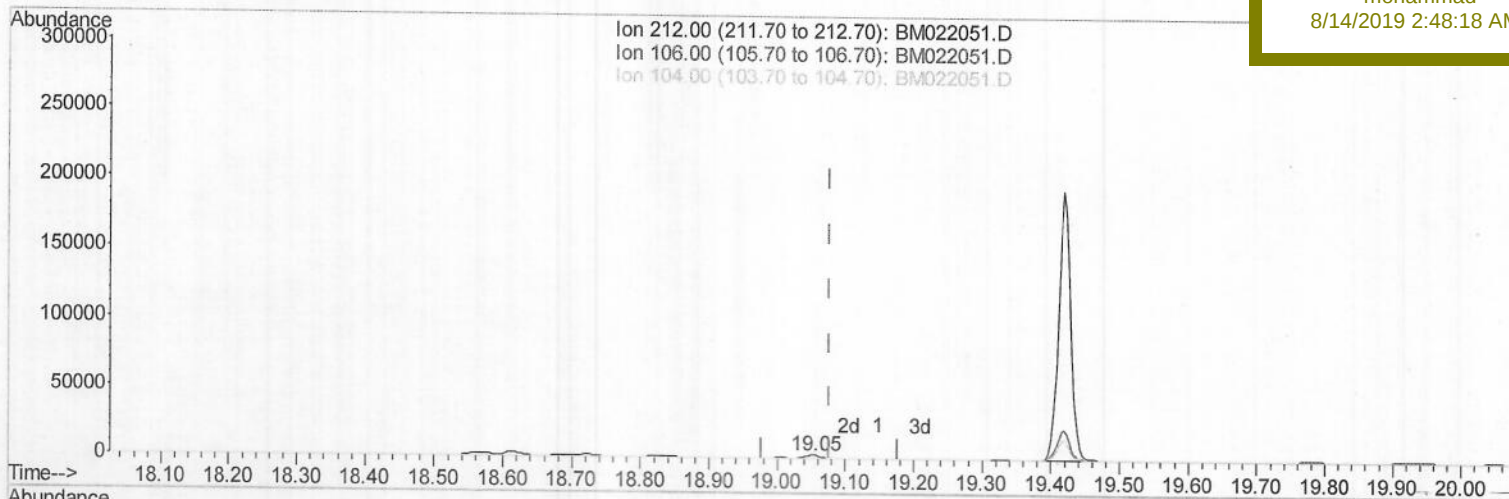
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

TIC: BM022051.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.024) 0.23ng/ul m

response 3773

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	2.28#
104.00	6.00	0.00#
0.00	0.00	0.00

JU
08/17/19

Quantitation Report (Qedit)

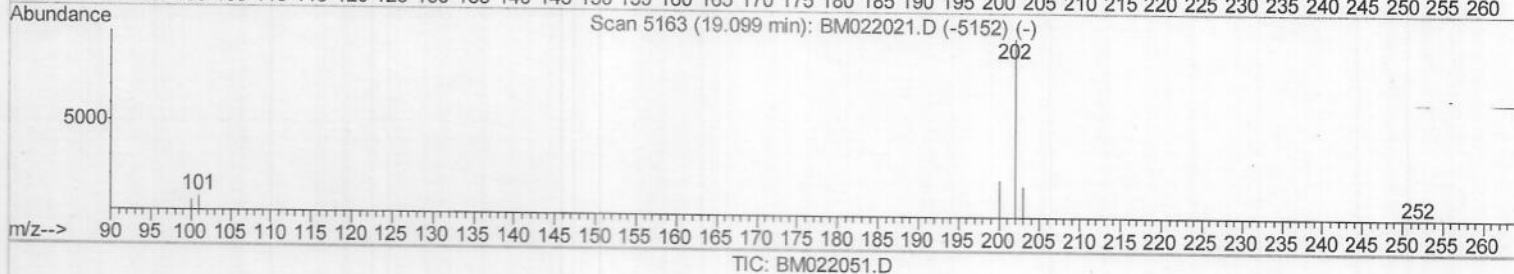
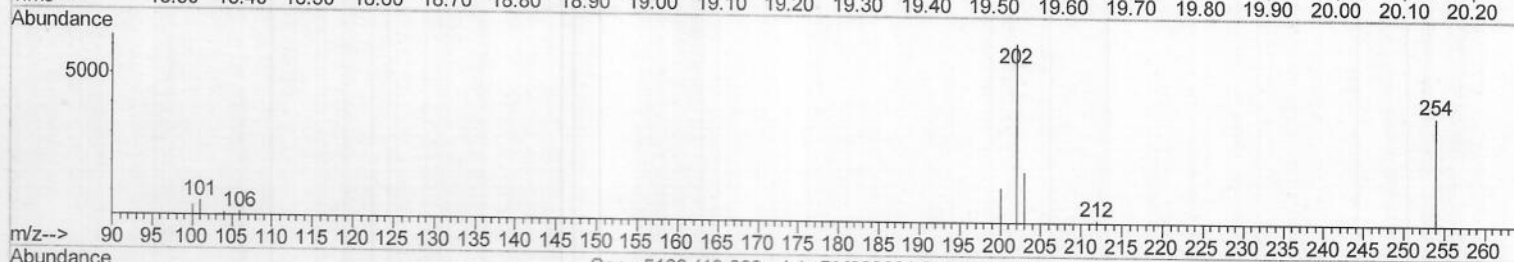
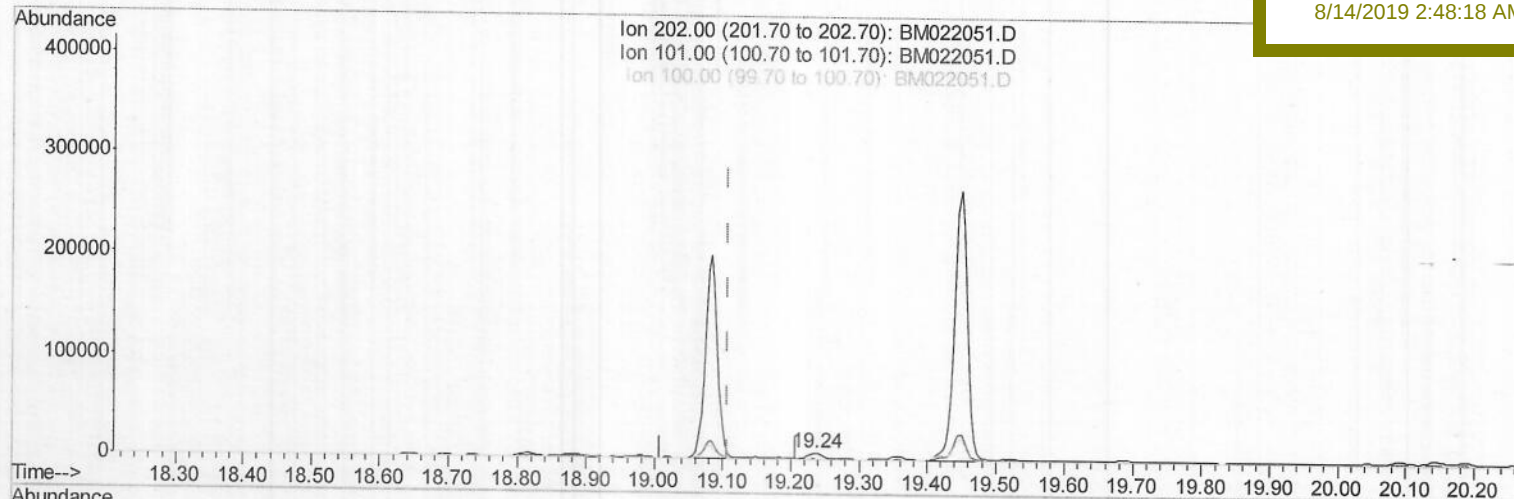
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :
 BENW8

Manual Integrations
APPROVED

mohammad
 8/14/2019 2:48:18 AM



TIC: BM022051.D

(15) Fluoranthene (C)

19.236min (+0.128) 0.41ng/ul

response 7682

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	10.22
100.00	8.10	7.91
0.00	0.00	0.00

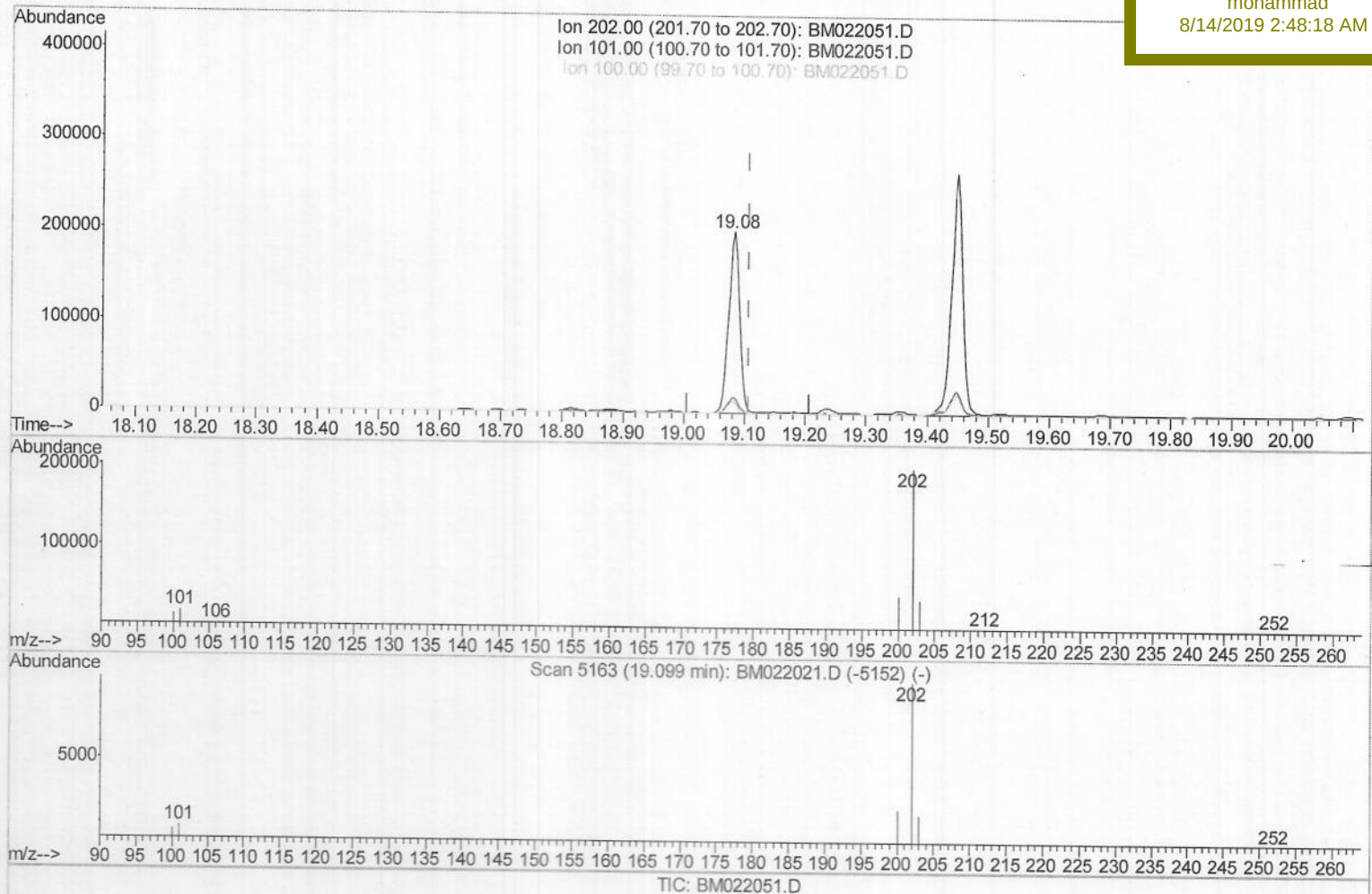
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022051.D
Acq On : 13 Aug 2019 03:31
Operator : HP/JU
Sample : K4041-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :
BENW8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:18 AM



(15) Fluoranthene (C)

19.083min (-0.024) 13.42ng/ul m) JU
response 252364 08/17/19

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.29
100.00	8.10	6.29
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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 :

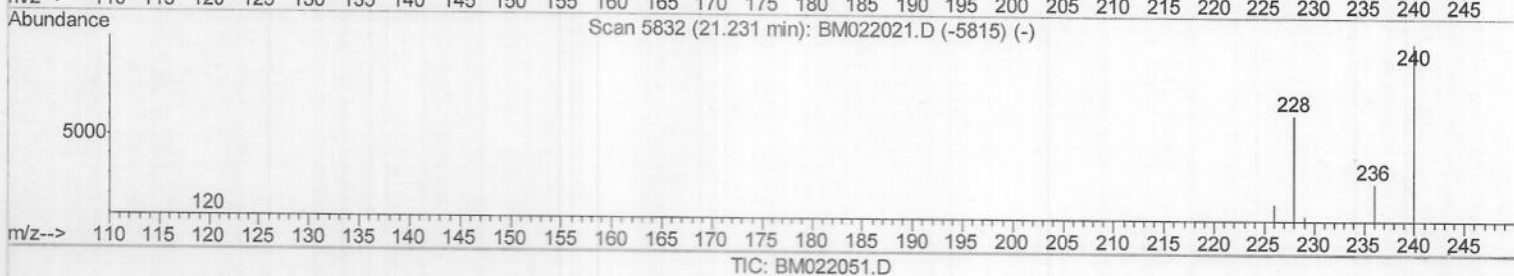
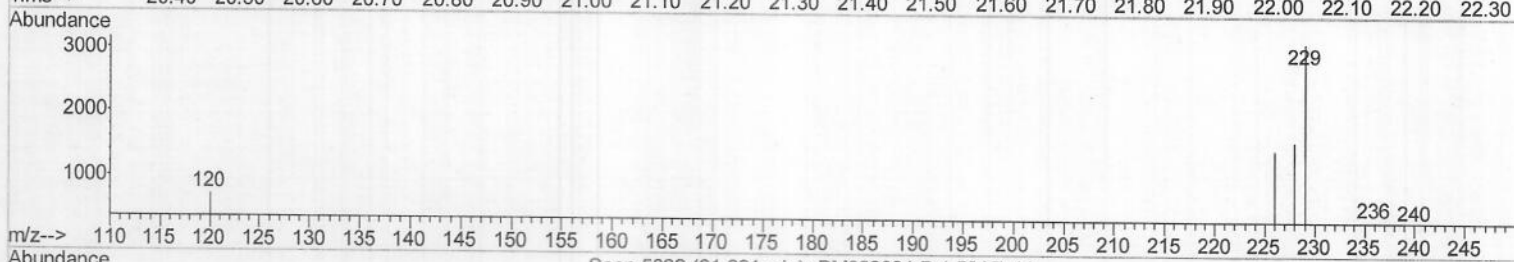
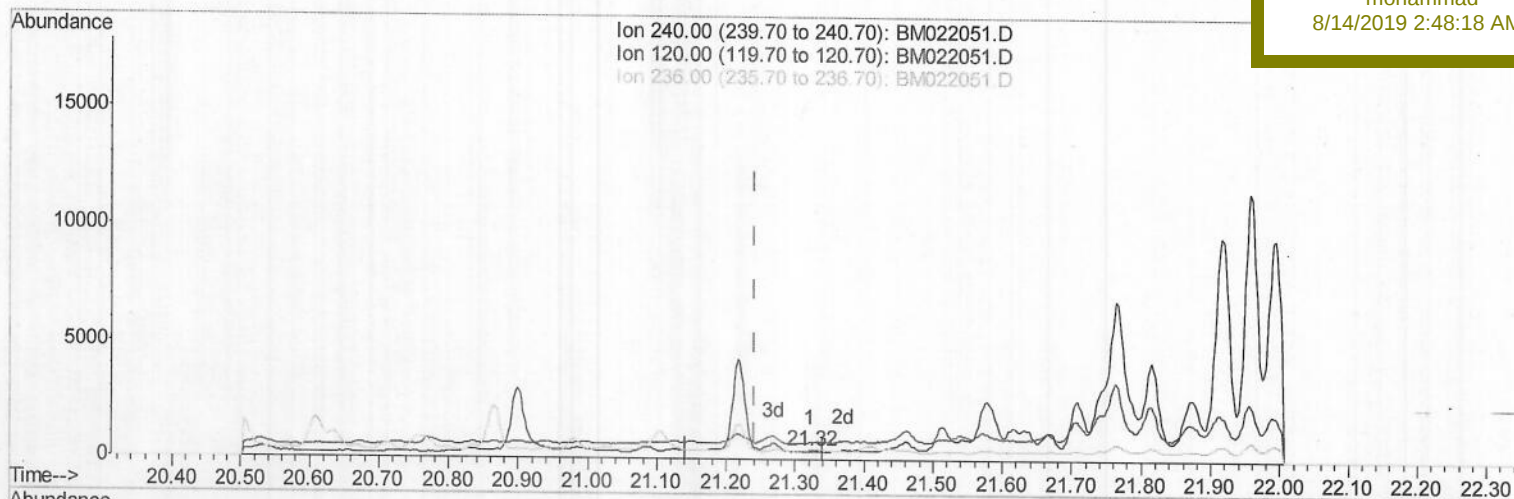
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



(16) Chrysene-d12 (I)

21.321min (+0.080) 0.40ng/ul

response 44

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	194.07#
236.00	32.30	107.82#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 08:54:18 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

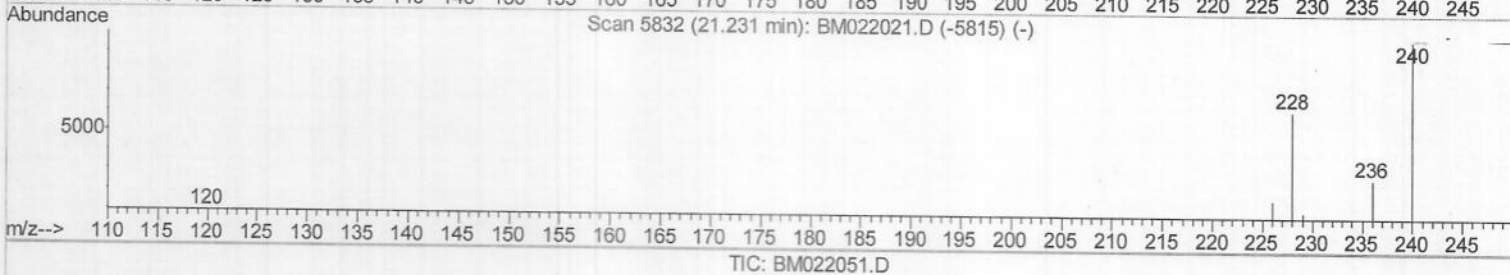
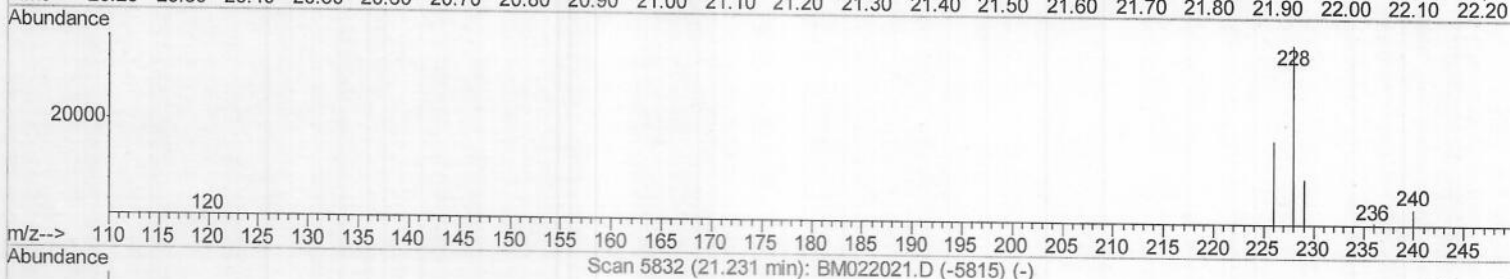
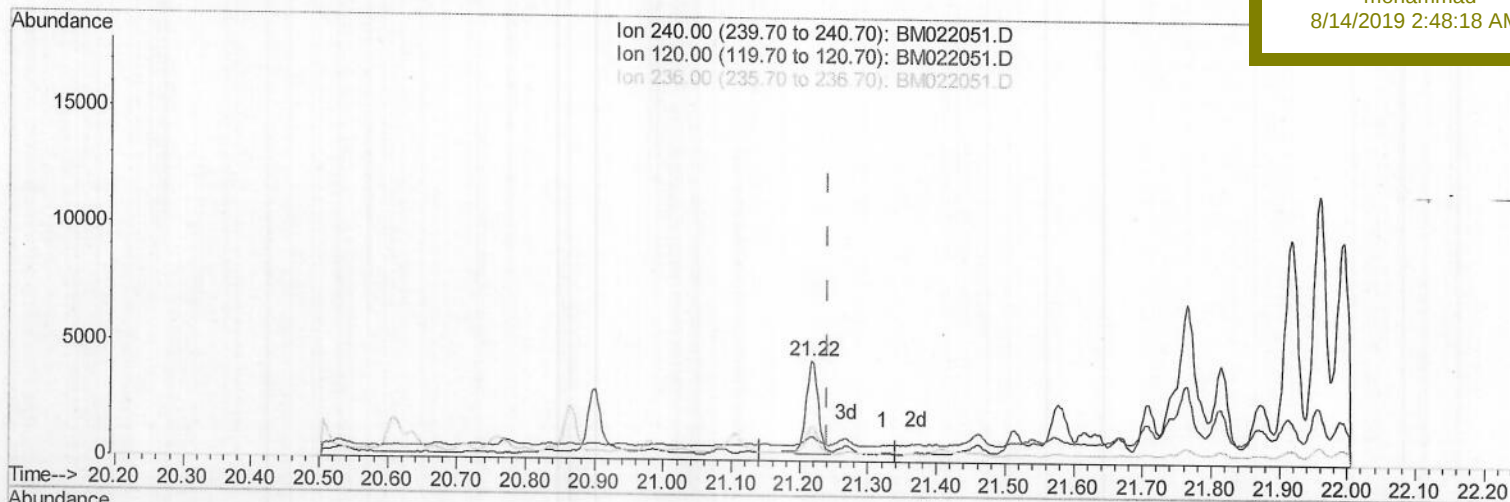
Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(16) Chrysene-d12 (I)

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

response 4828

08117119

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	24.69#
236.00	32.30	34.25
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:00:12 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

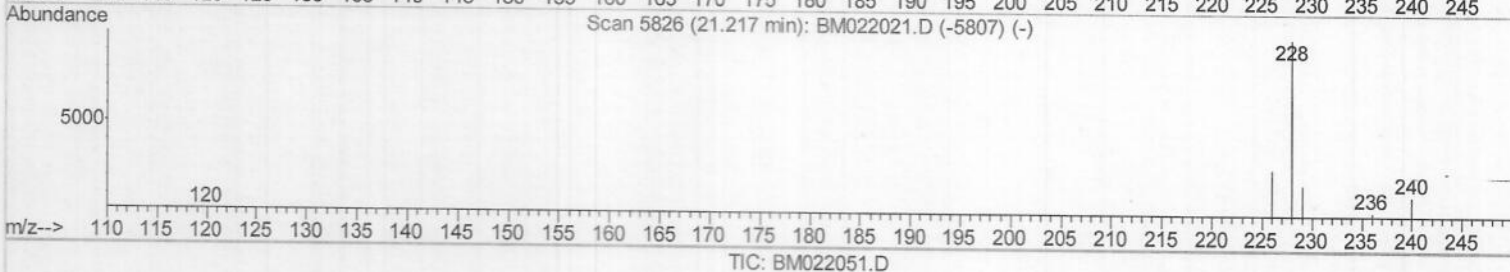
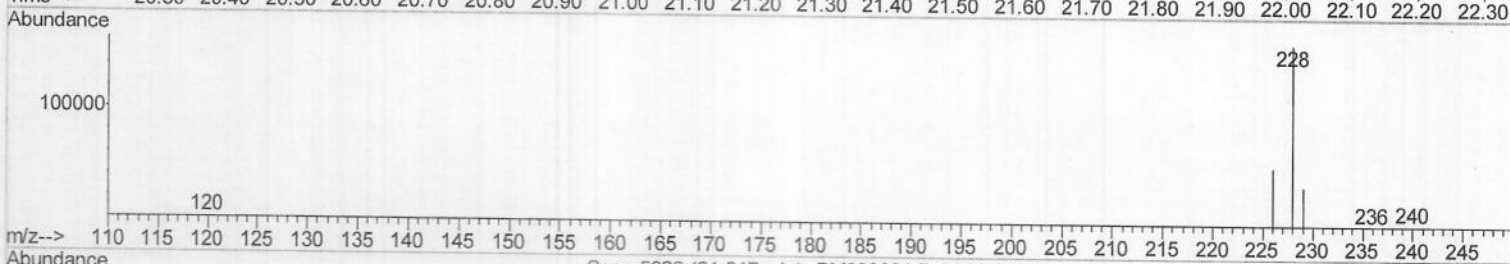
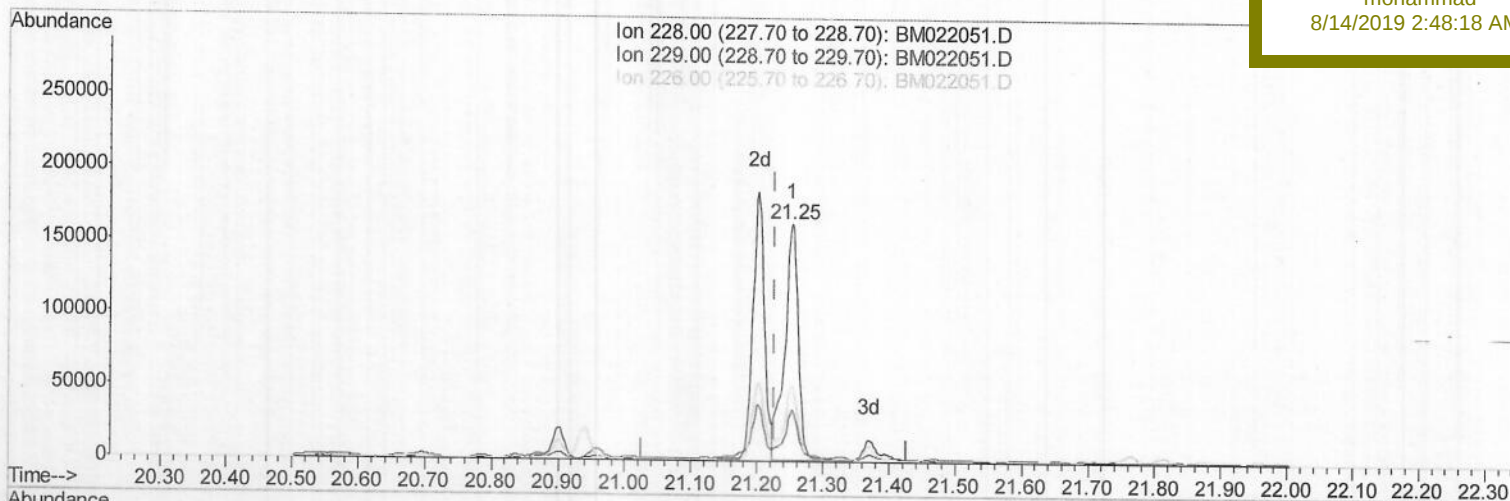
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(18) Benzo(a)anthracene

21.253min (+0.026) 13.72ng/ul

response 236960

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.39
226.00	28.30	31.46
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:00:12 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 :

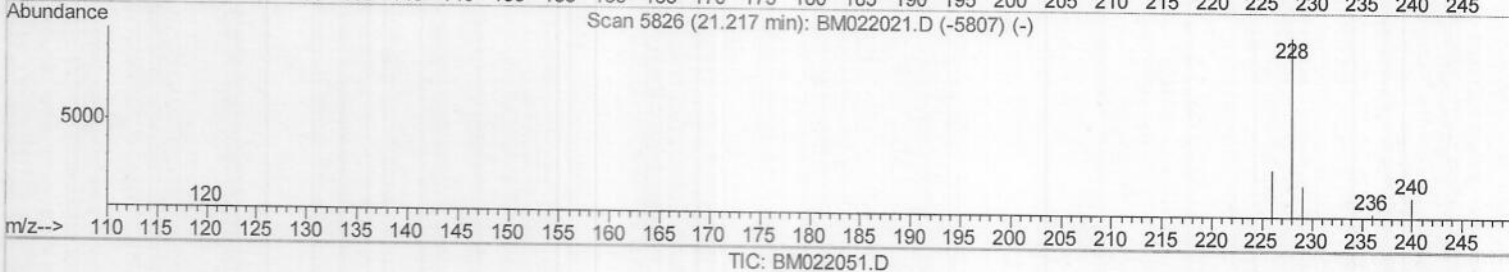
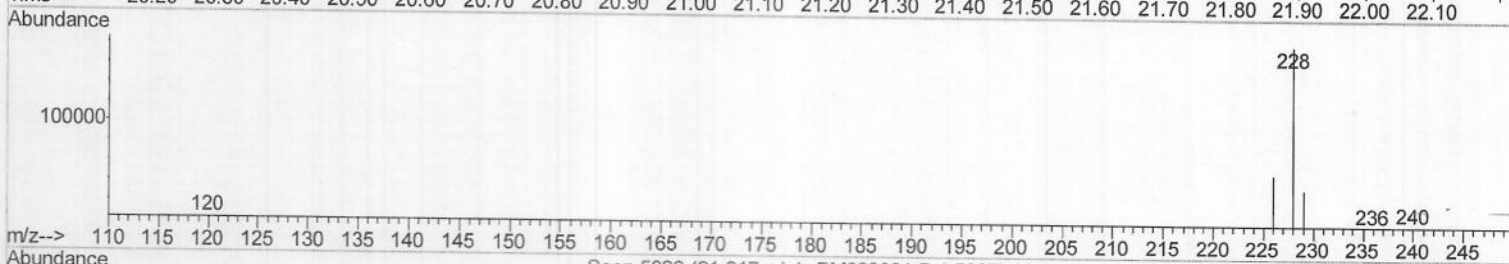
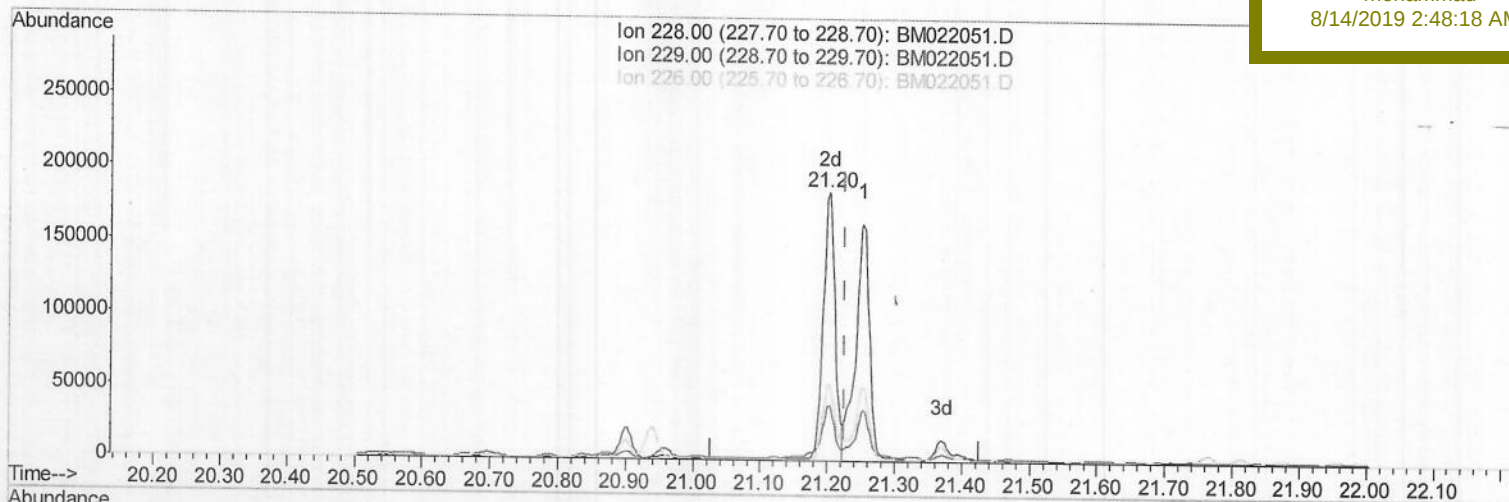
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



(18) Benzo(a)anthracene

21.202min (-0.024) 13.36ng/ul m JU
0811119

response 230678

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.14
226.00	28.30	29.04
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:00:12 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

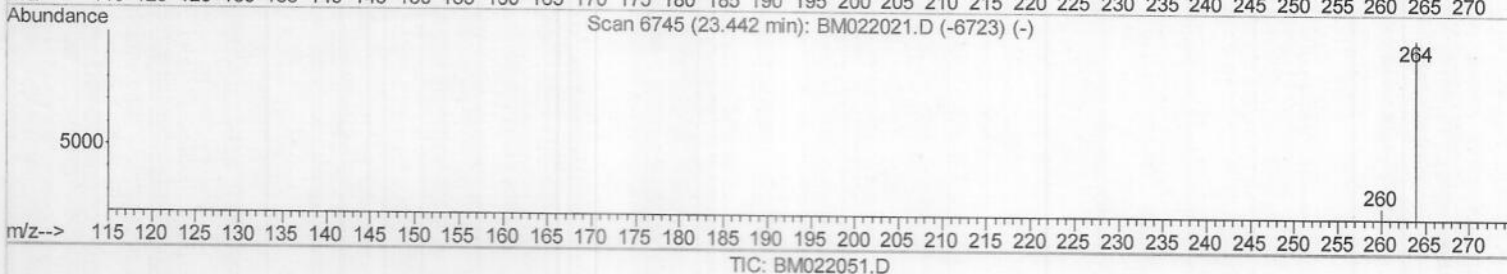
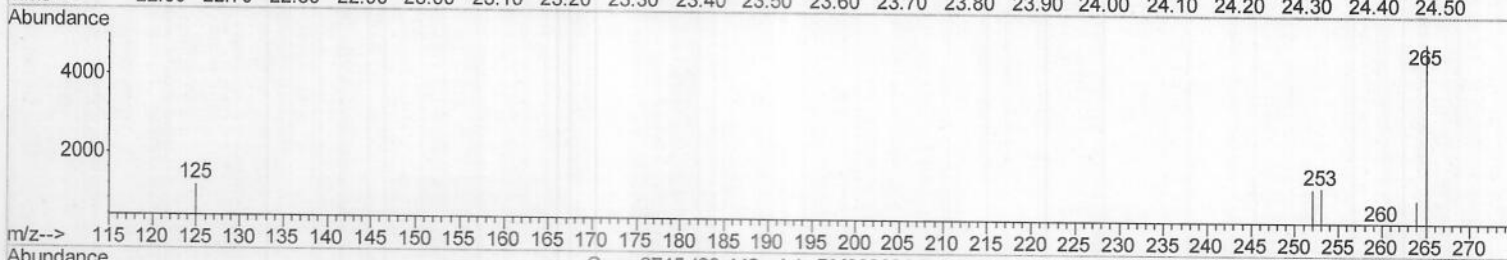
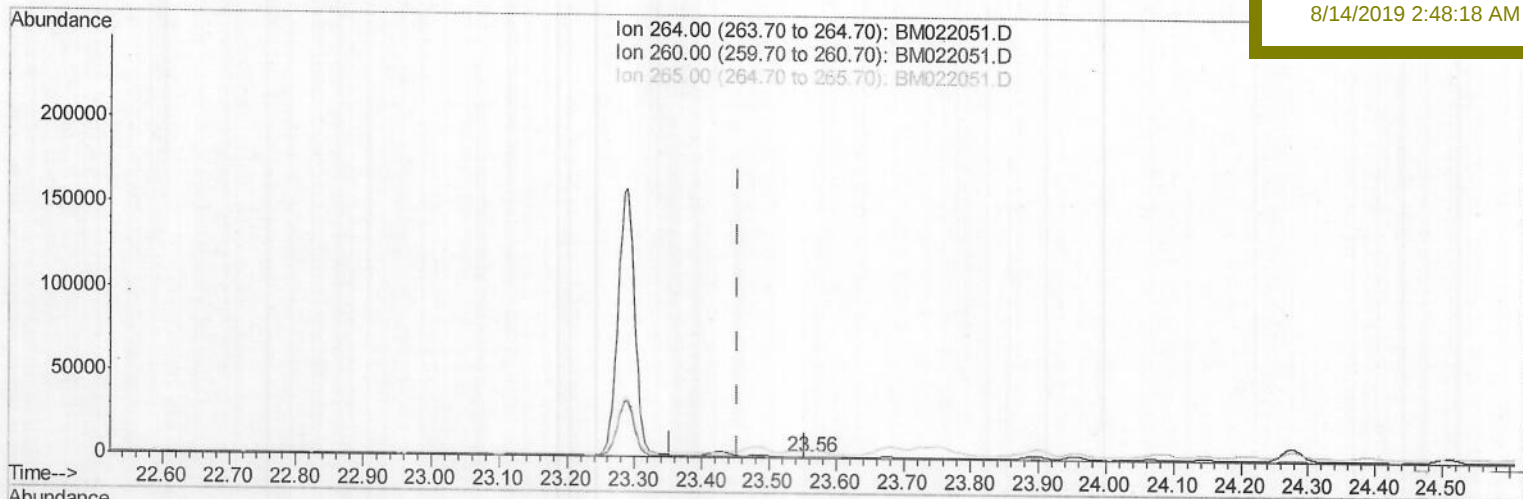
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(20) Perylene-d12 (I)

23.561min (+0.107) 0.40ng/ul

response 1749

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	37.62#
265.00	117.00	516.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

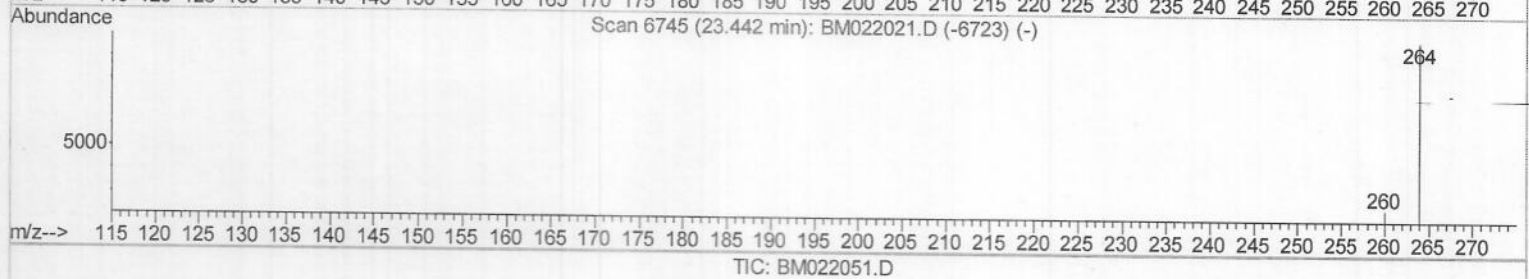
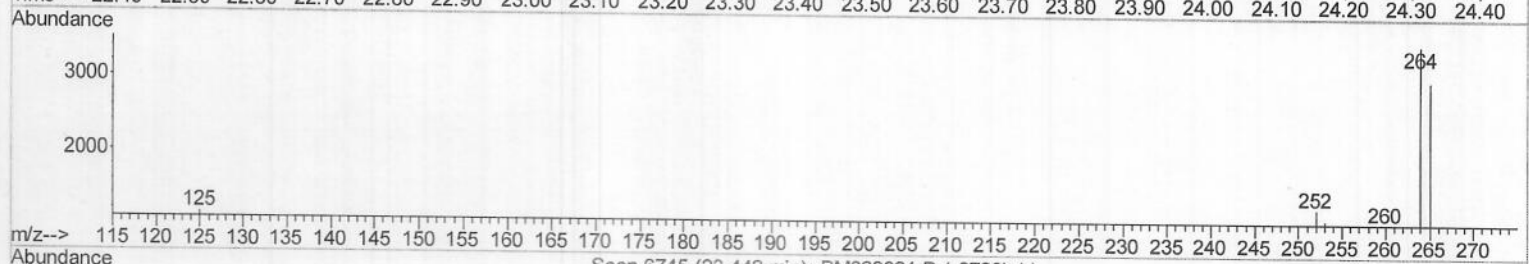
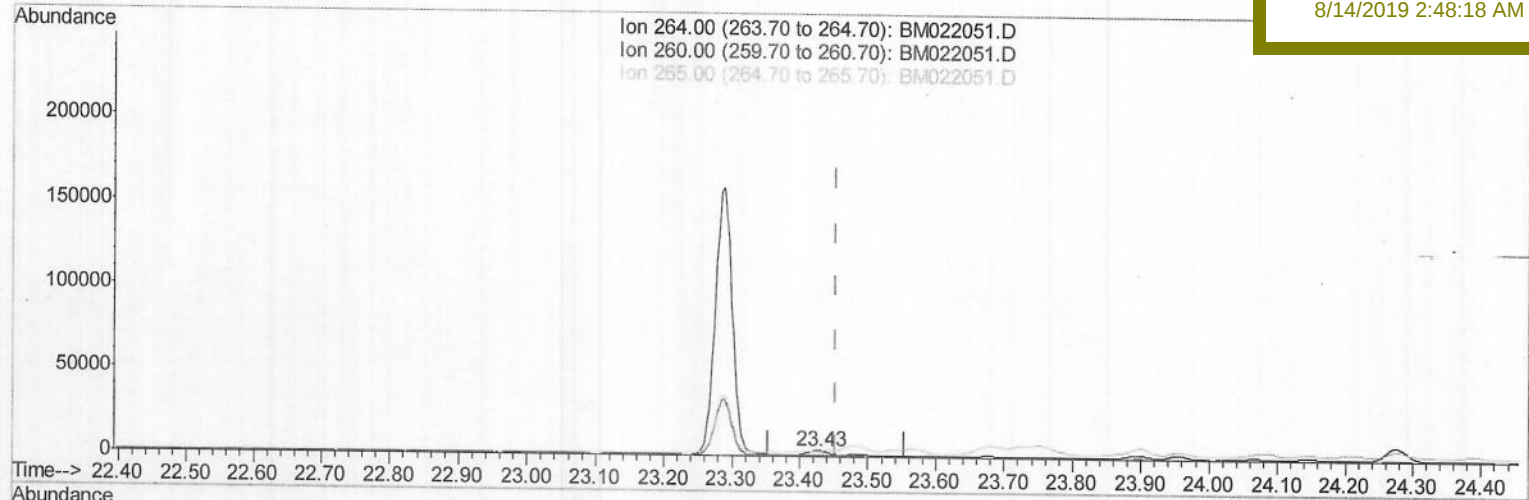
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:00:12 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 :
 BENW8

Manual Integrations
APPROVED

mohammad
 8/14/2019 2:48:18 AM



TIC: BM022051.D

(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul m)JU
 response 4710
 08/17/19

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	30.58
265.00	117.00	86.26#
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

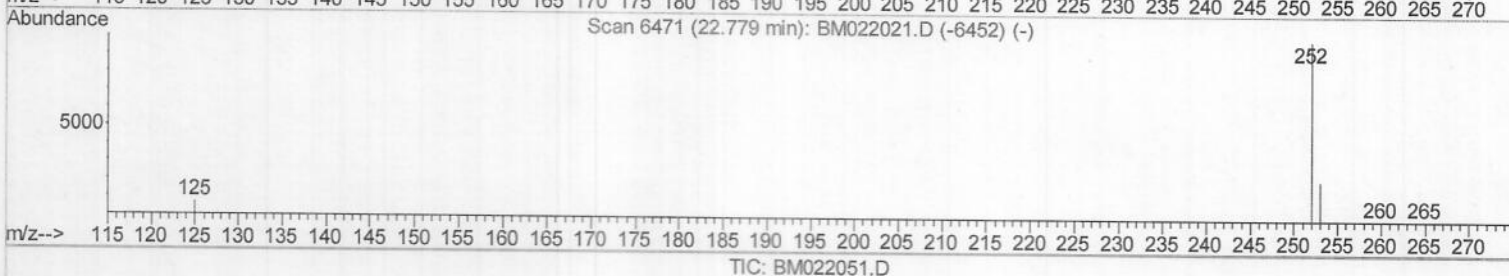
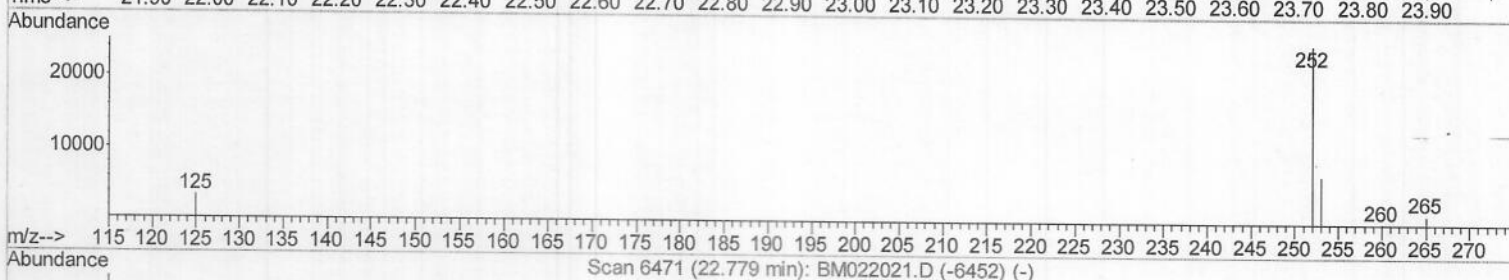
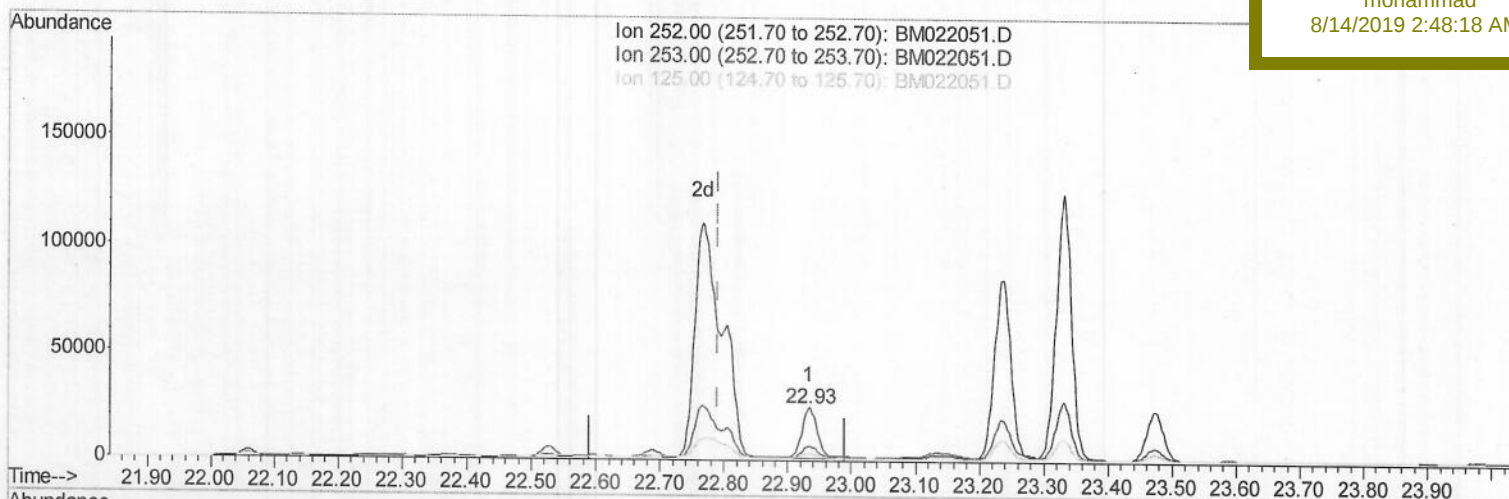
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(21) Benzo(b)fluoranthene

22.934min (+0.143) 2.61ng/ul

response 41524

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.80
125.00	15.50	13.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022051.D
Acq On : 13 Aug 2019 03:31
Operator : HP/JU
Sample : K4041-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Instrument :

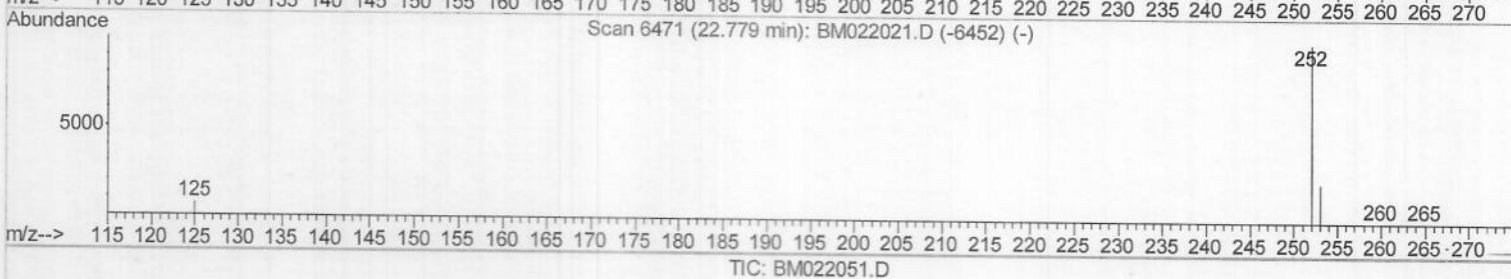
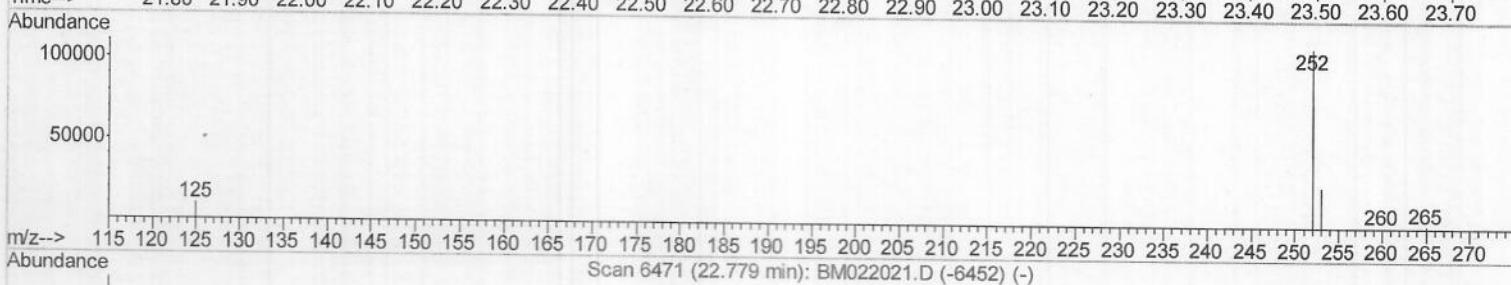
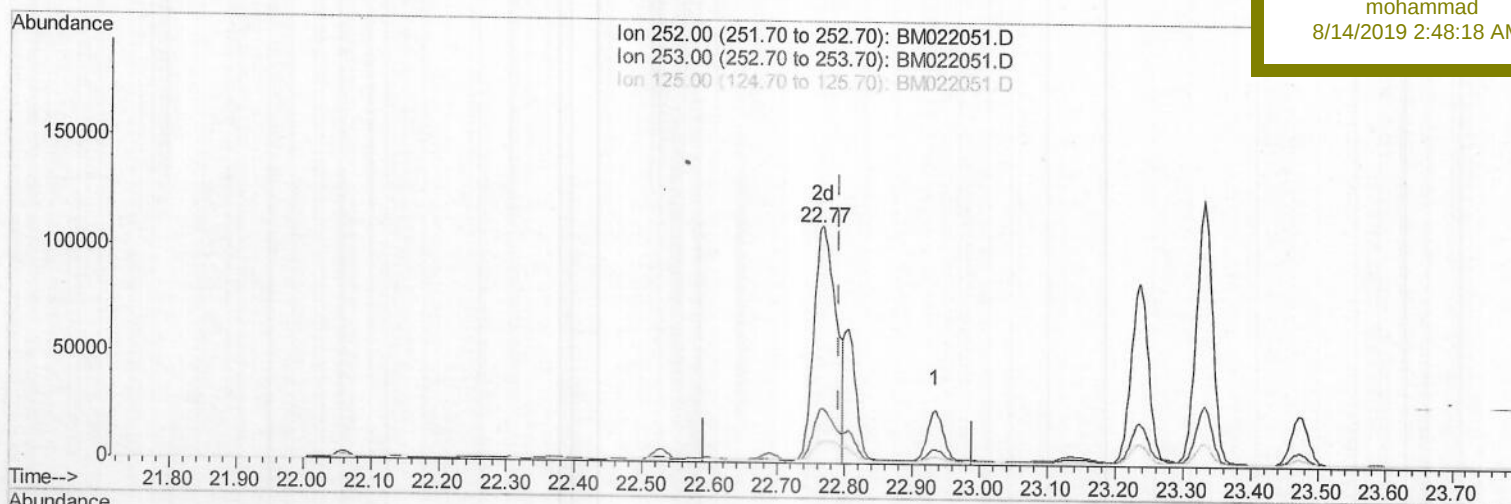
BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:18 AM



(21) Benzo(b)fluoranthene

22.767min (-0.024) 15.88ng/ul m) JU

response 252224

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.03
125.00	15.50	8.92
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

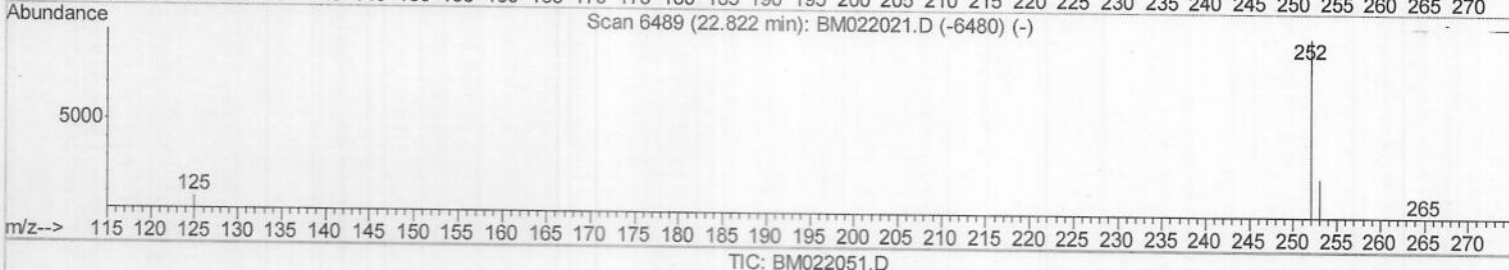
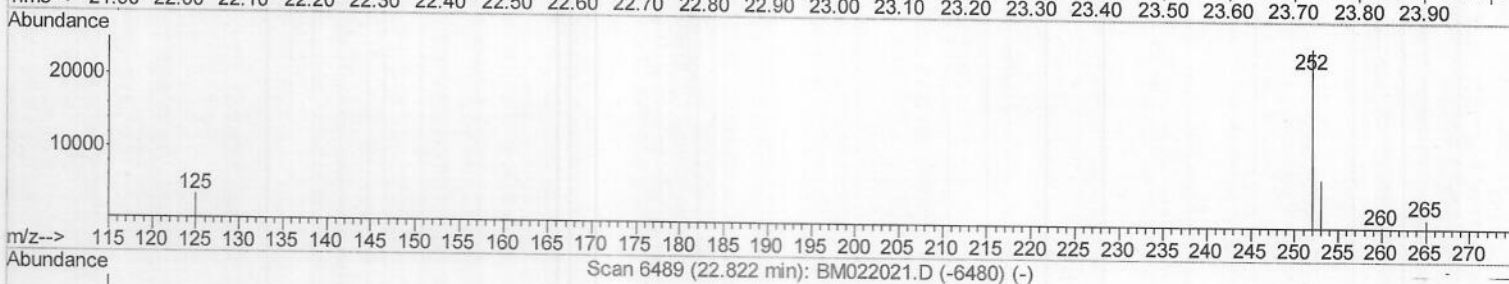
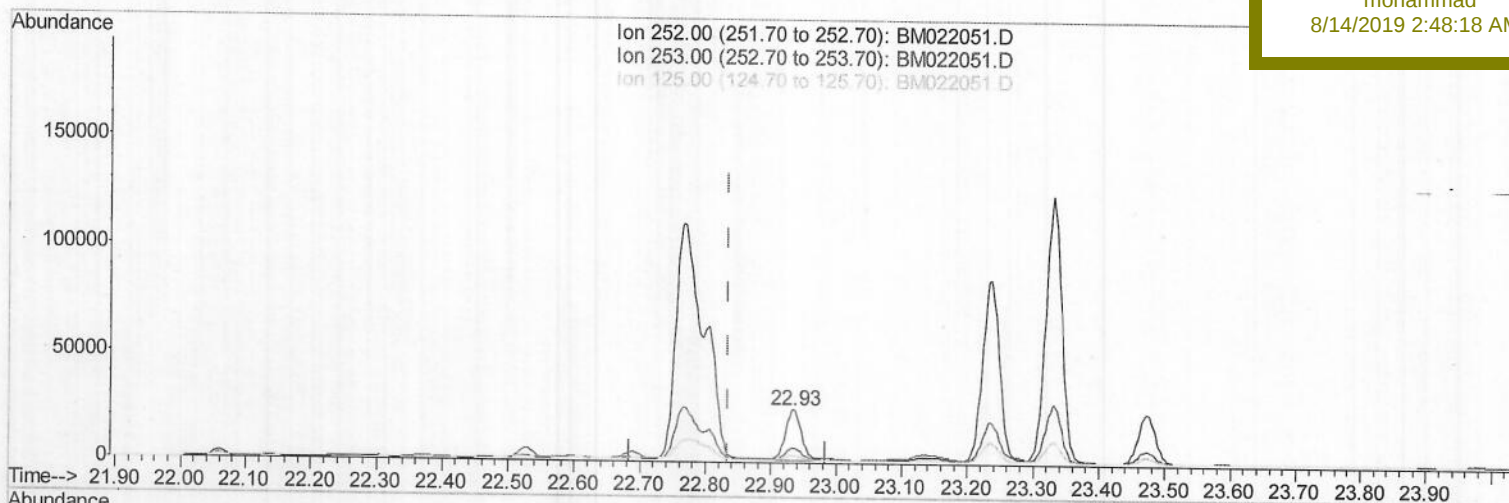
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(22) Benzo(k)fluoranthene

22.934min (+0.099) 2.31ng/ul

response 41524

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.80
125.00	15.20	13.64
0.00	0.00	0.00

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

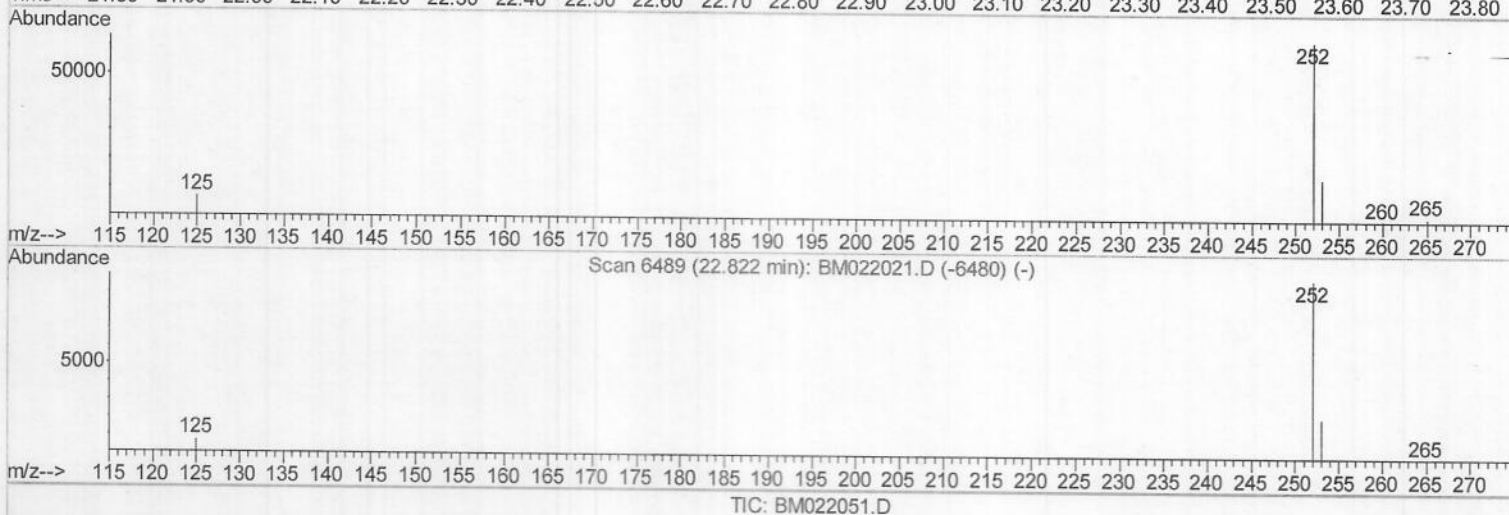
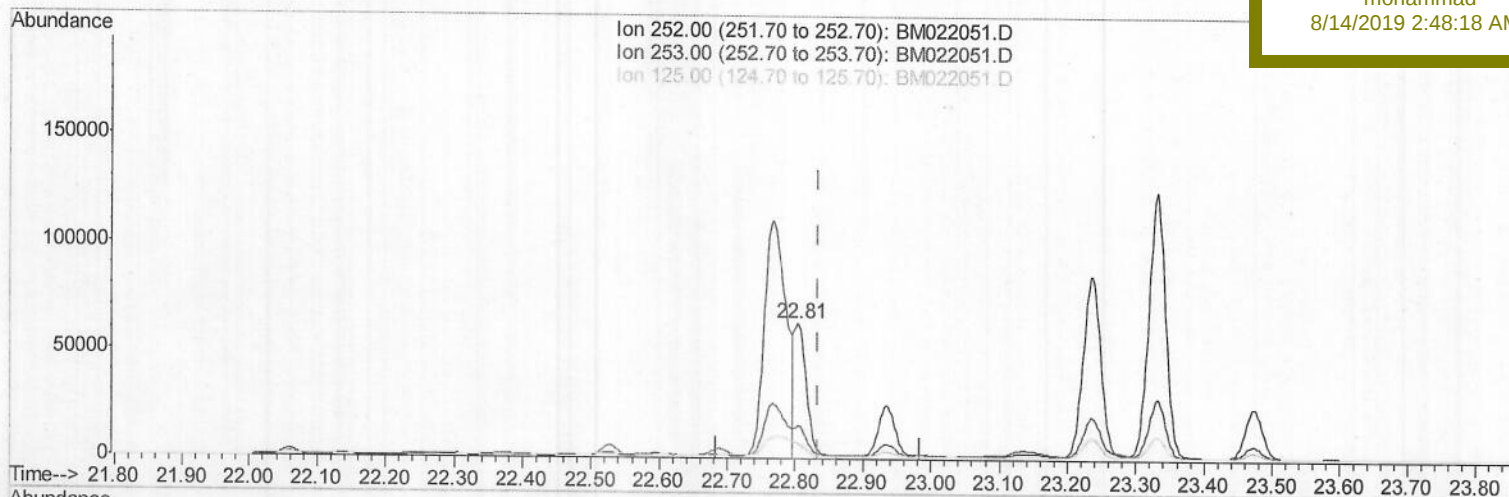
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(22) Benzo(k)fluoranthene

22.805min (-0.029) 4.73ng/ul m

response 85006

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.91#
125.00	15.20	11.03#
0.00	0.00	0.00

JU
08/17/19

Quantitation Report (Qedit)

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

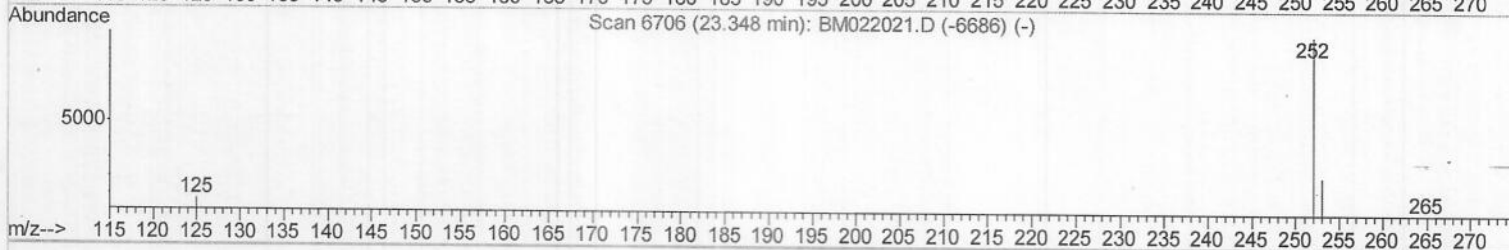
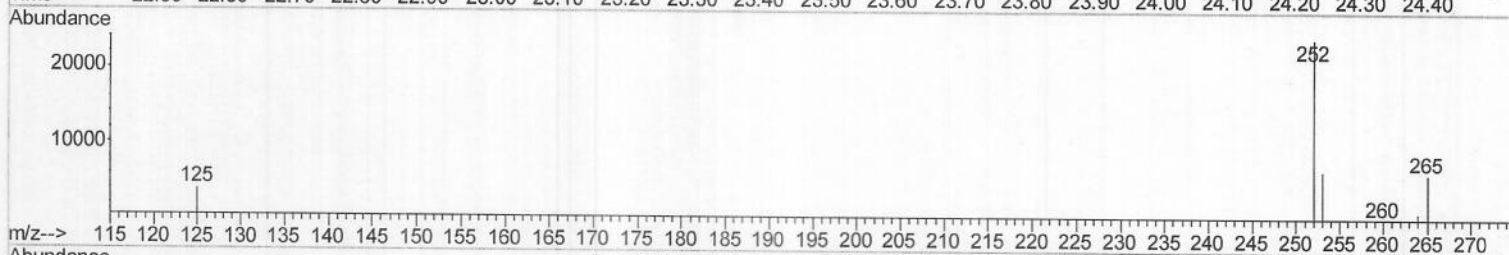
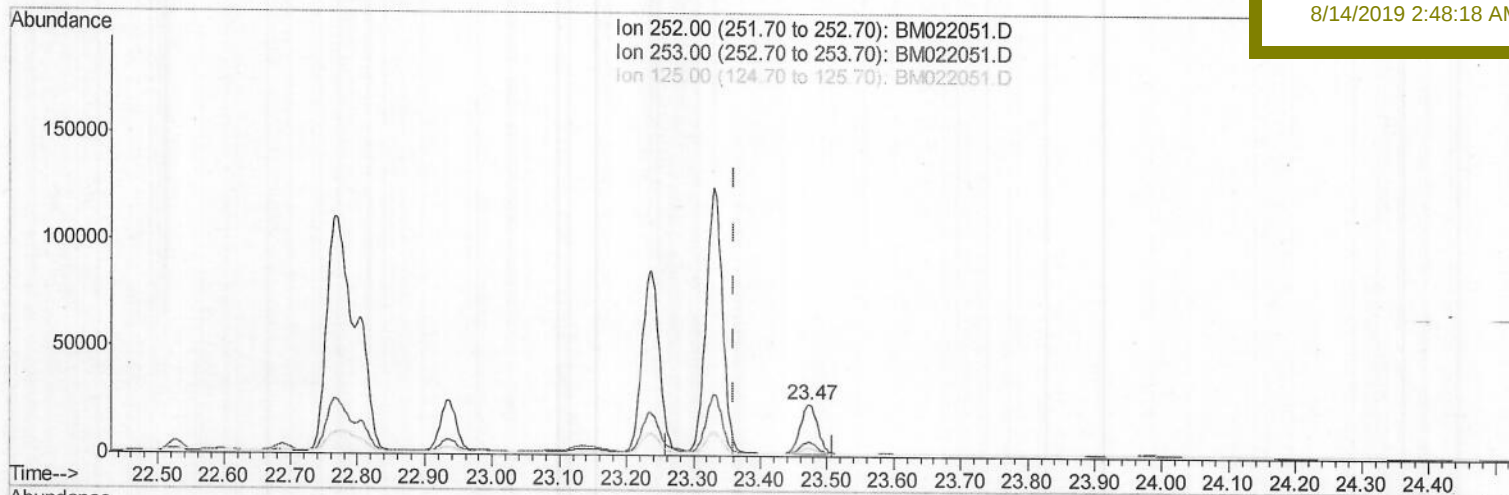
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



TIC: BM022051.D

(23) Benzo(a)pyrene (C)

23.474min (+0.114) 2.60ng/ul

response 42012

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	27.82#
125.00	18.20	15.84
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

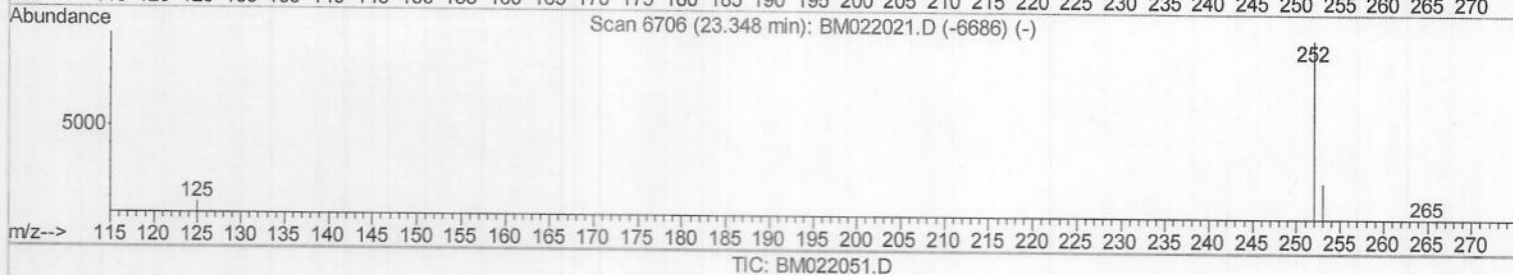
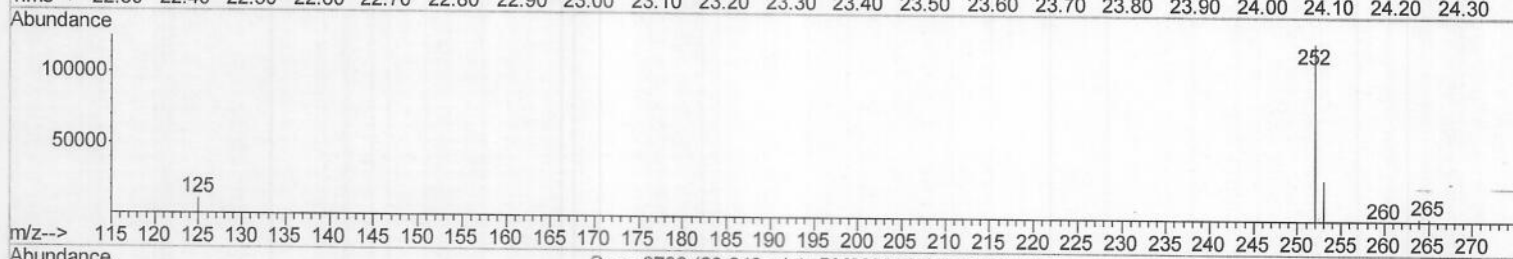
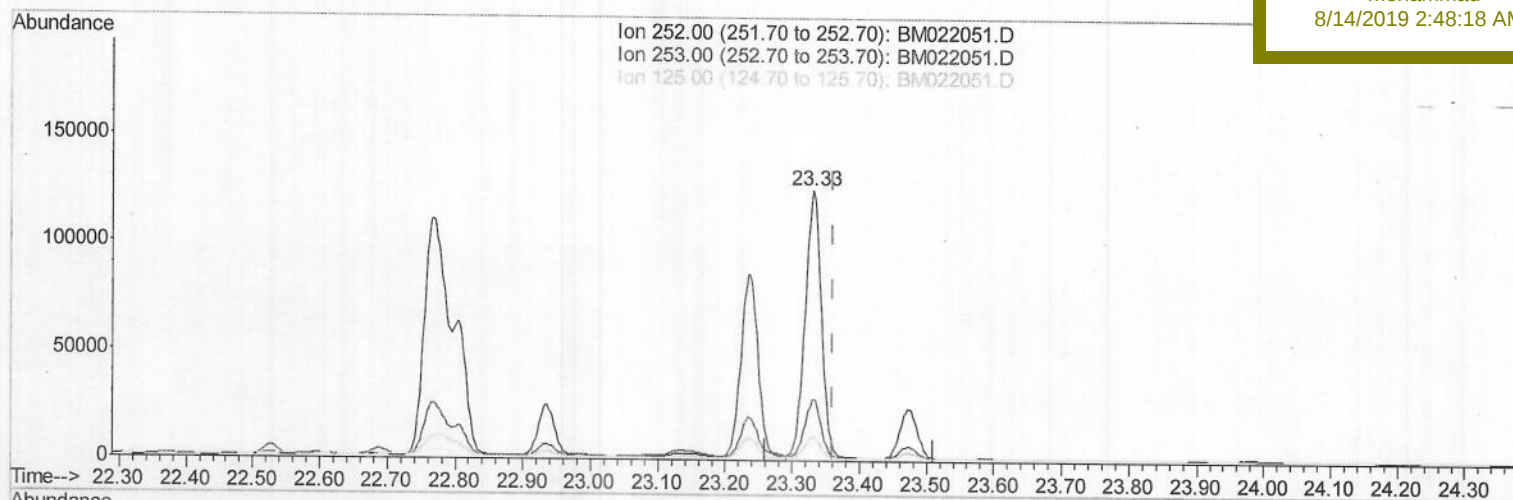
BENW8

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:18 AM



(23) Benzo(a)pyrene (C)

23.331min (-0.029) 13.46ng/ul m

response 217446

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	22.77#
125.00	18.20	8.79#
0.00	0.00	0.00

JU
08/17/19

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

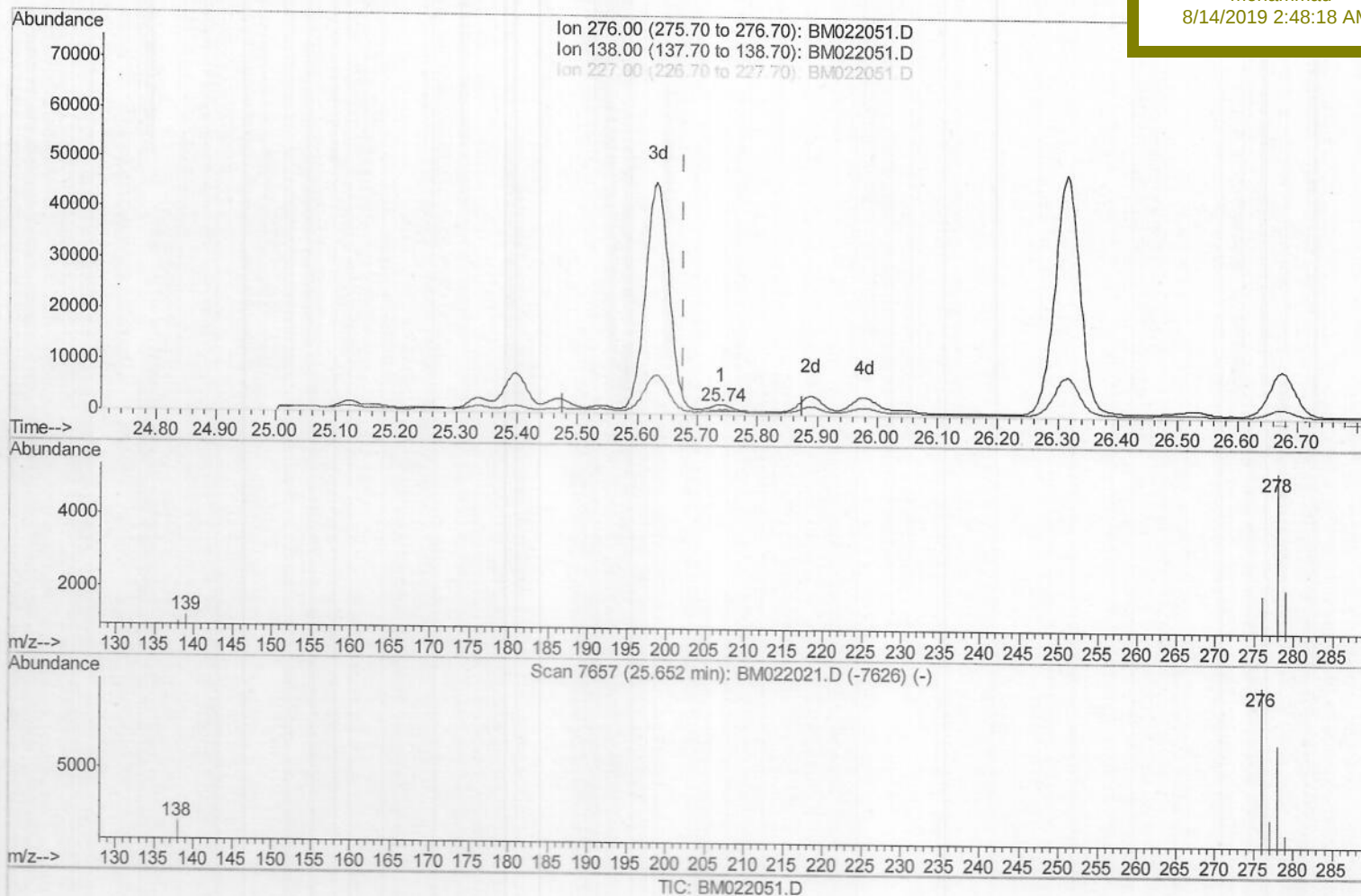
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

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

25.739min (+0.063) 0.18ng/ul

response 3512

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	43.19#
227.00	0.00	0.00
0.00	0.00	0.00

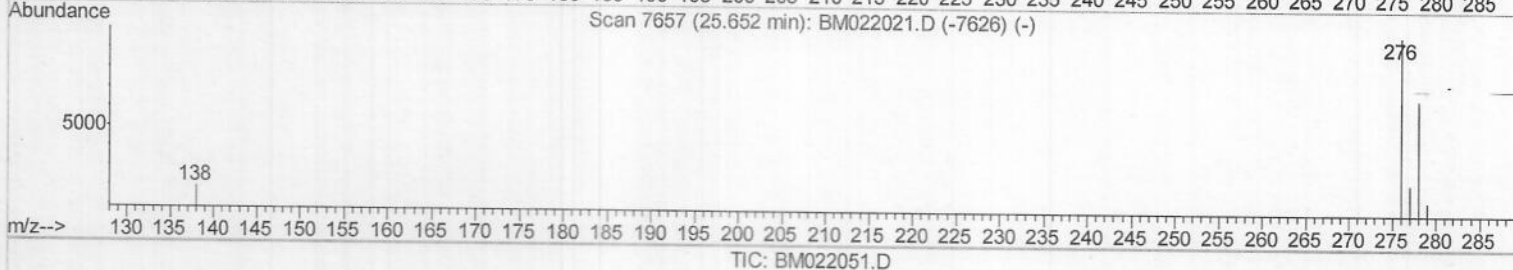
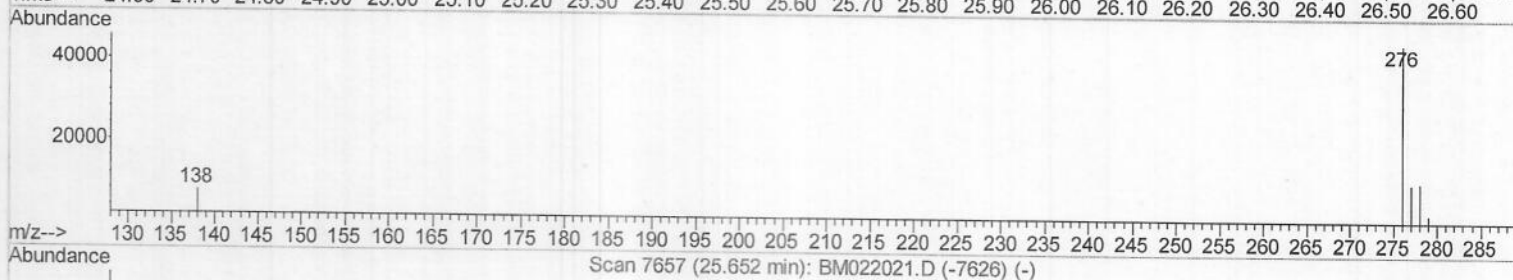
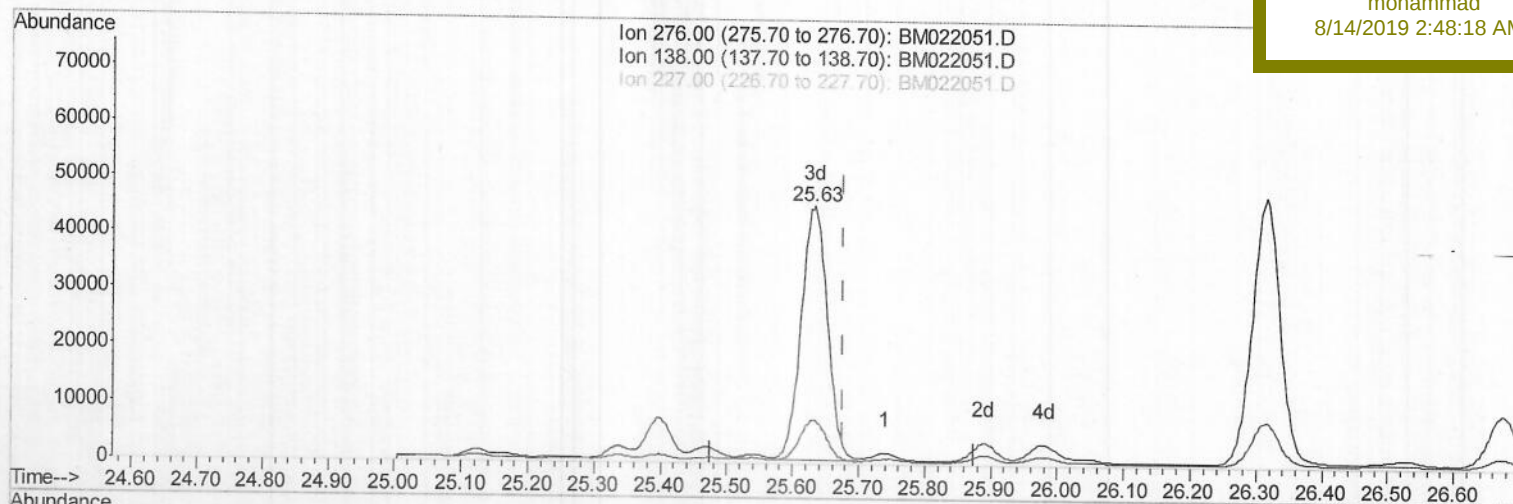
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022051.D
Acq On : 13 Aug 2019 03:31
Operator : HP/JU
Sample : K4041-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Instrument :
BNA_M
ClientSampleId :
BENW8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:18 AM



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

25.633min (-0.044) 6.39ng/ul m)

response 123293

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	1.23#
227.00	0.00	0.00
0.00	0.00	0.00

JU
08/17/19

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

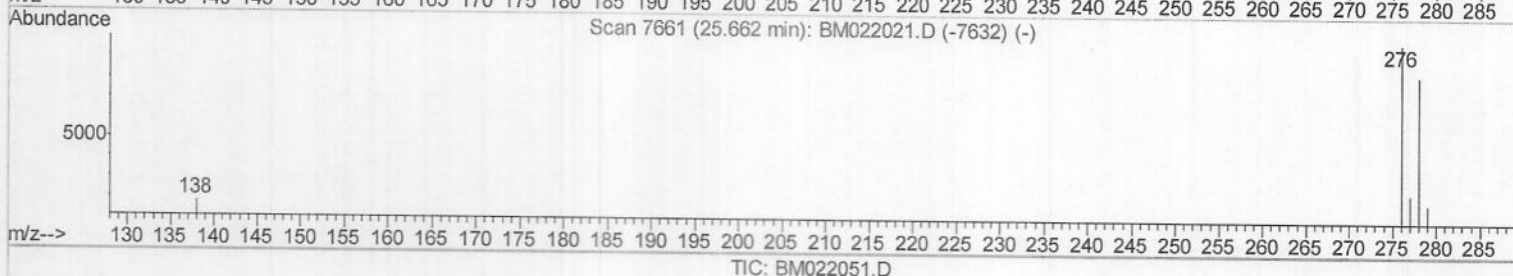
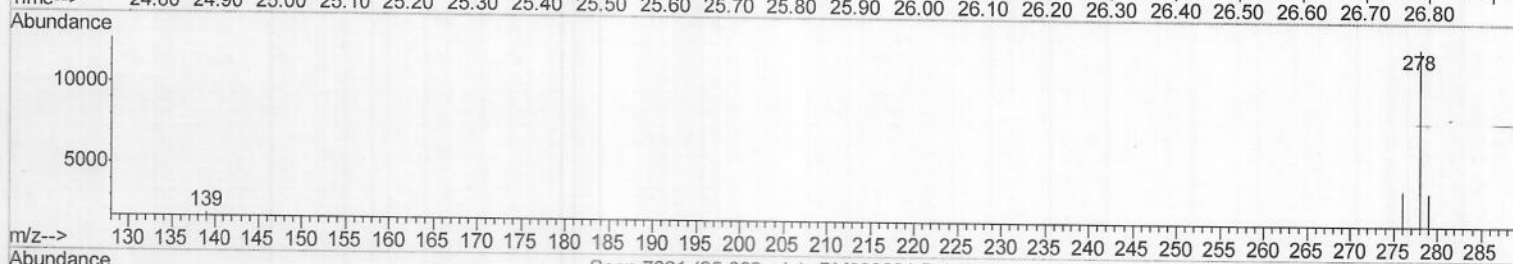
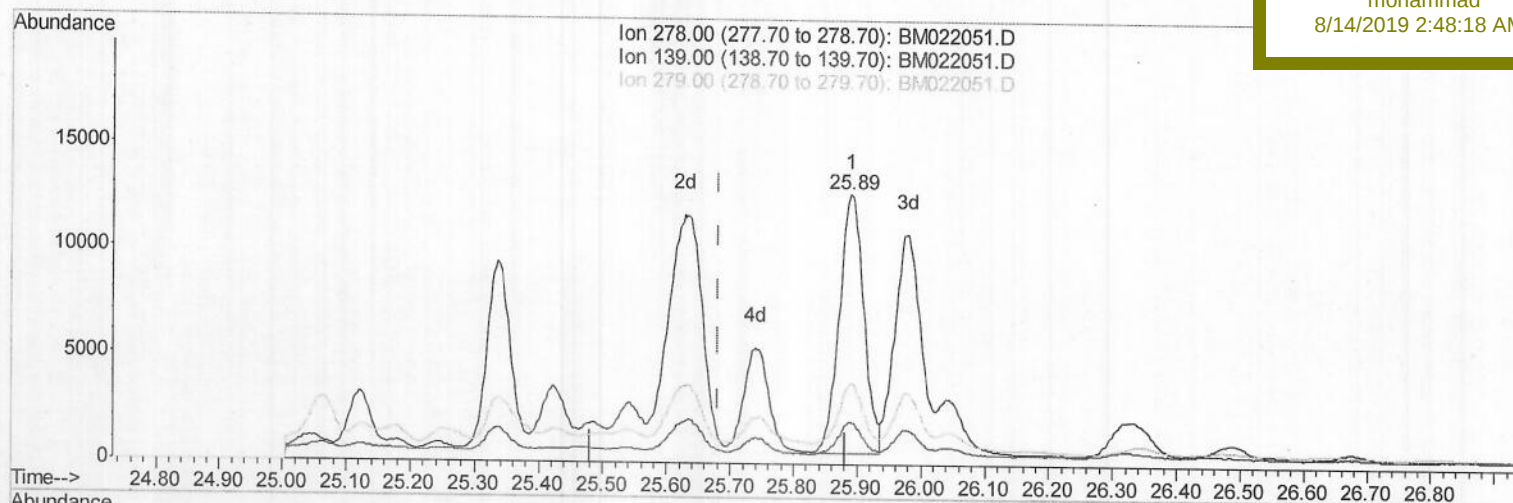
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

(25) Dibenzo(a,h)anthracene

25.890min (+0.208) 2.08ng/ul

response 32496

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	15.25
279.00	35.40	29.62
0.00	0.00	0.00

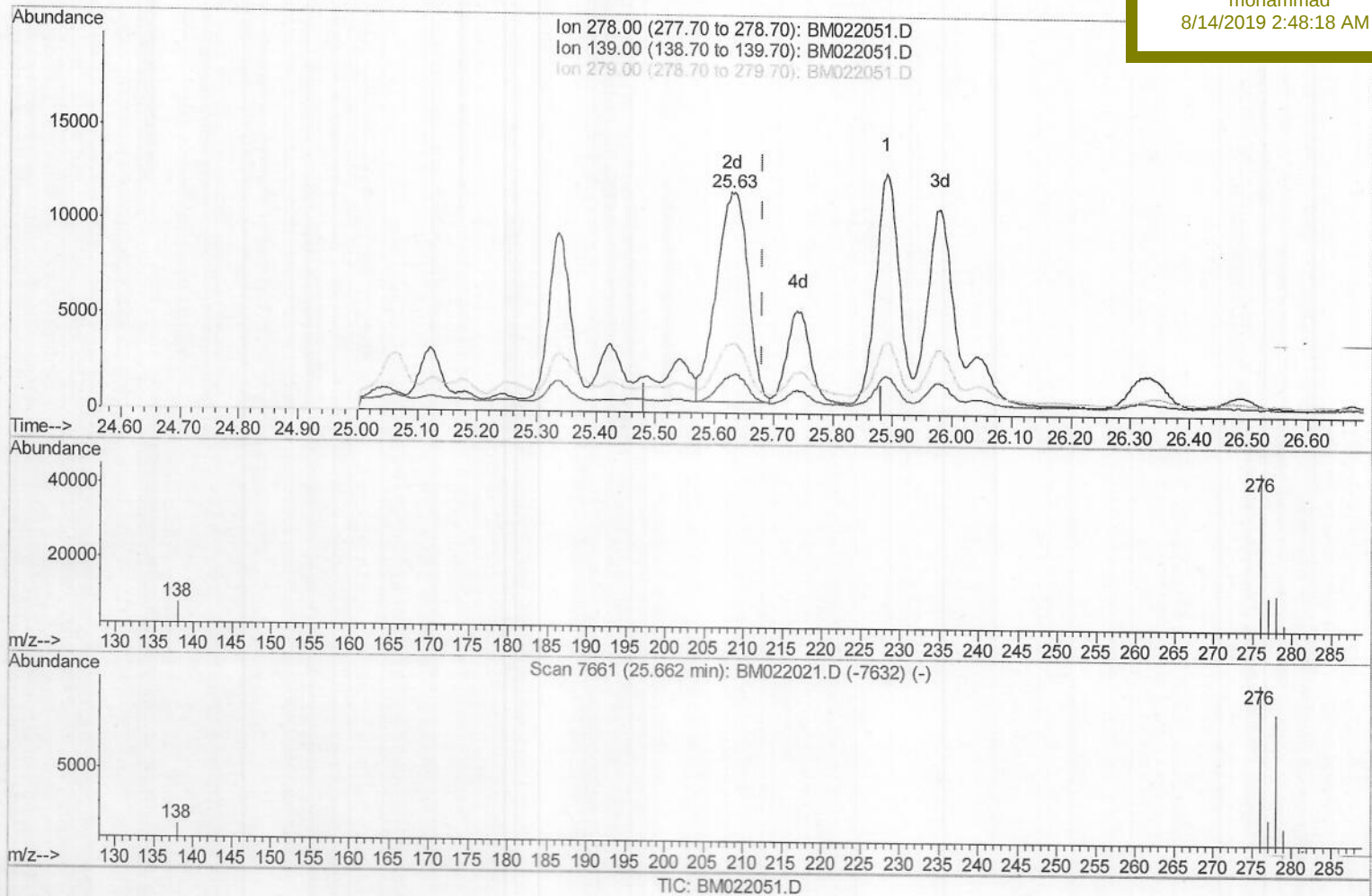
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022051.D
Acq On : 13 Aug 2019 03:31
Operator : HP/JU
Sample : K4041-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Instrument :
BNA_M
ClientSampleId :
BENW8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:18 AM



(25) Dibenzo(a,h)anthracene

25.628min (-0.053) 2.62ng/ul m

response 40847

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	16.62
279.00	35.40	30.93
0.00	0.00	0.00

JU
08/14/19

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

Data File : BM022051.D

Acq On : 13 Aug 2019 03:31

Operator : HP/JU

Sample : K4041-15

Misc :

ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:01:38 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

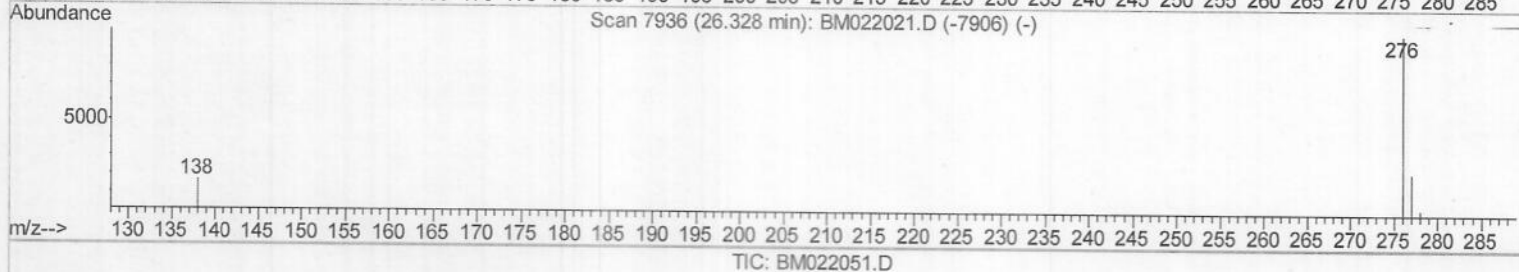
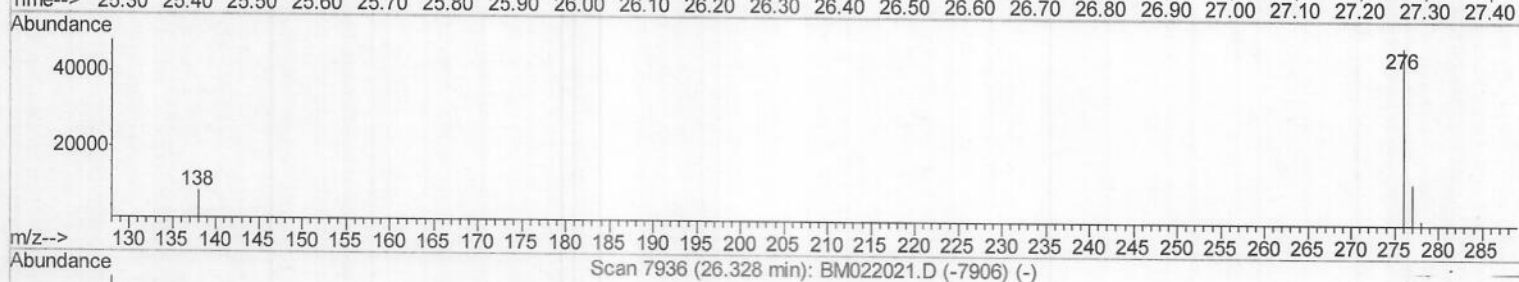
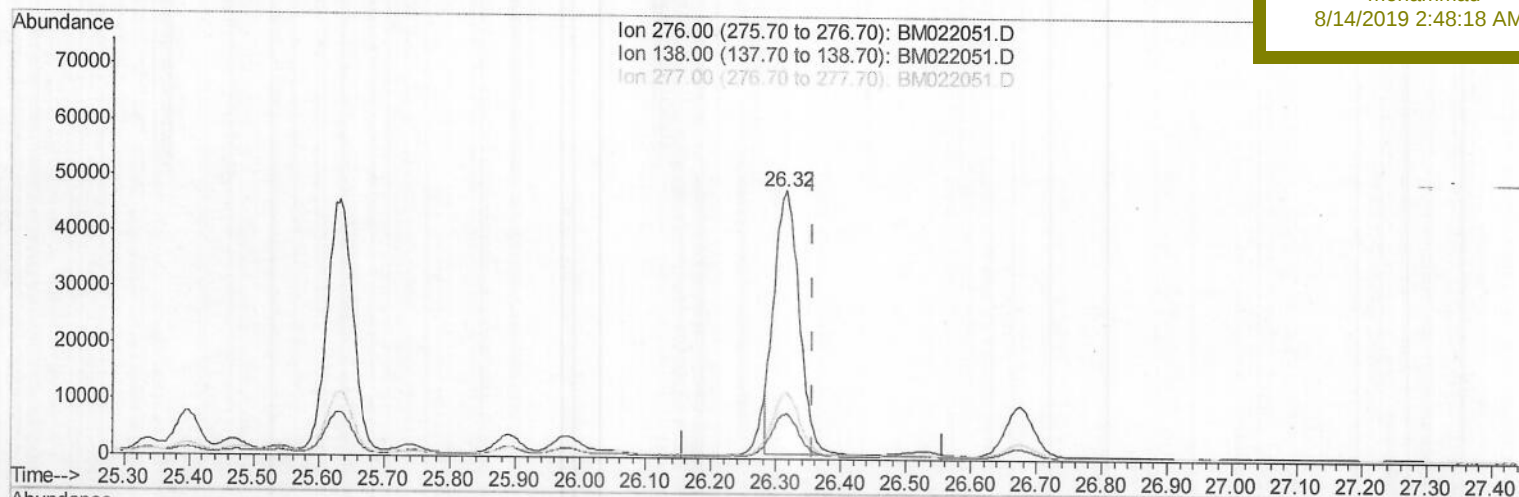
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENW8

Manual Integrations
APPROVEDmohammad
8/14/2019 2:48:18 AM

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

26.316min (-0.041) 7.43ng/ul

response 128982

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	16.88
277.00	26.80	24.58
0.00	0.00	0.00

Quantitation Report (Qedit)

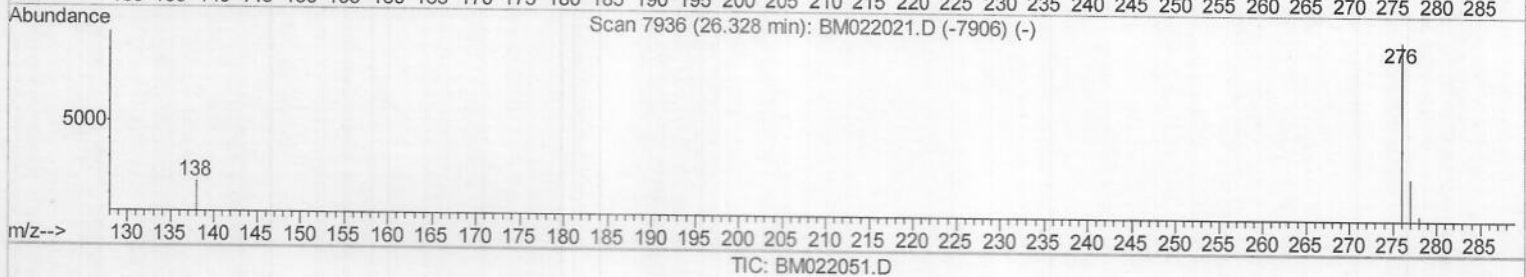
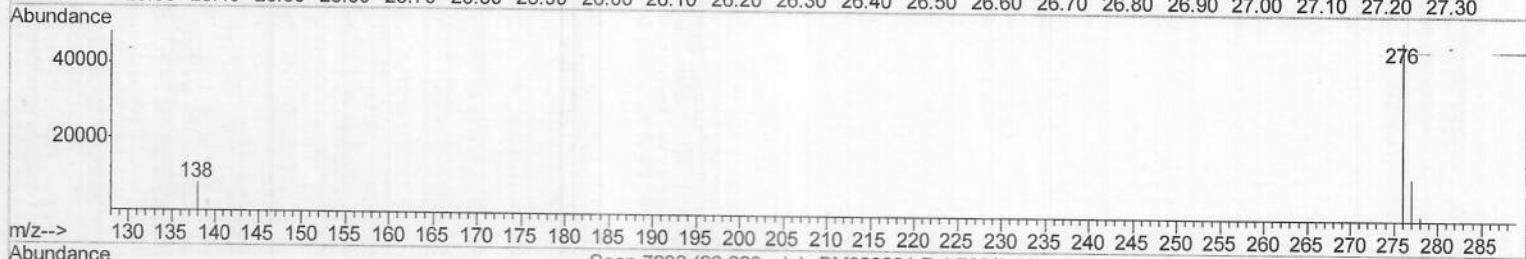
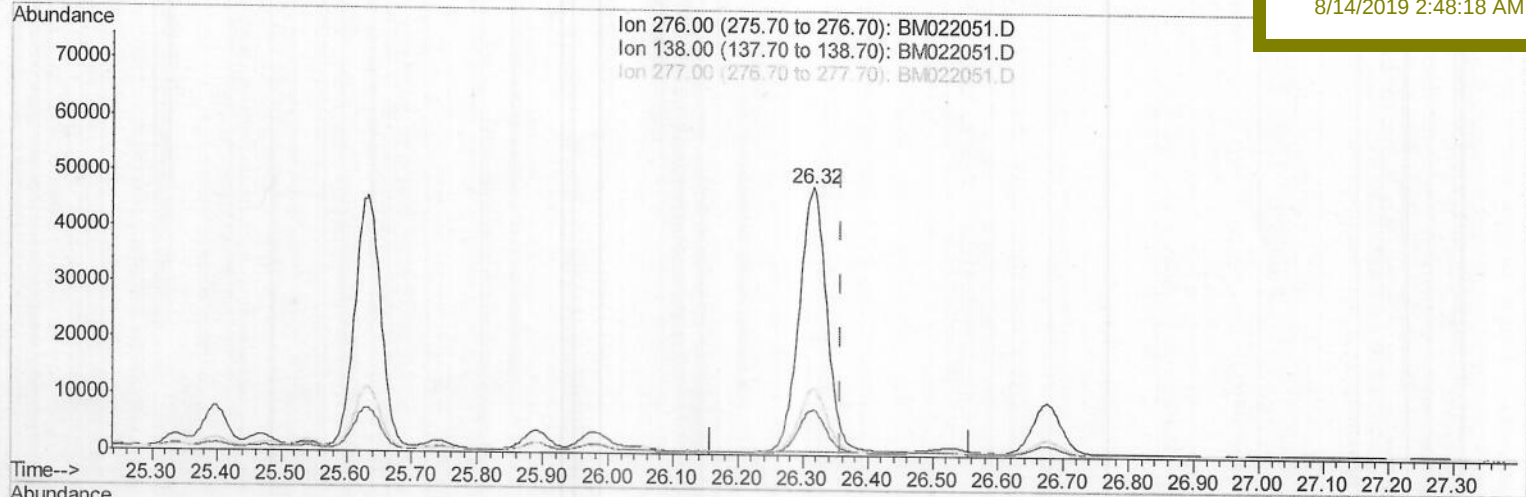
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Instrument :
 BNA_M
 ClientSampleId :
 BENW8

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:18 AM



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

26.316min (-0.041) 7.93ng/ul m *JU*
08/17/19

response 137681

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	16.88
277.00	26.80	24.58
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022051.D
 Acq On : 13 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4041-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 13 09:04:39 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 :
 BENW8

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:18 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	801	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	3271	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1772	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4823m)	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4828m)	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	4710m)	0.40	ng/ul	-0.03

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1214	0.23	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	3773m)	0.23	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.43	128	3946	0.427	ng/ul	96
5) 2-Methylnaphthalene	12.06	142	2746	0.446	ng/ul	99
7) Acenaphthylene	13.98	152	10924	1.322	ng/ul#	81
8) Acenaphthene	14.32	153	4624	0.684	ng/ul	97
9) Fluorene	15.32	166	4261	0.567	ng/ul	99
11) Pentachlorophenol	16.68	266	104m)	0.117	ng/ul	
12) Phenanthrene	17.06	178	119538m)	8.518	ng/ul	
13) Anthracene	17.15	178	29774m)	2.487	ng/ul	
15) Fluoranthene	19.08	202	252364m)	13.425	ng/ul	
17) Pyrene	19.45	202	343778	17.328	ng/ul	98
18) Benzo(a)anthracene	21.20	228	230678m)	13.358	ng/ul	
19) Chrysene	21.25	228	236960	10.669	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	252224m)	15.880	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	85006m)	4.729	ng/ul	
23) Benzo(a)pyrene	23.33	252	217446m)	13.462	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.63	276	123293m)	6.393	ng/ul	
25) Dibenzo(a,h)anthracene	25.63	278	40847m)	2.620	ng/ul	
26) Benzo(g,h,i)perylene	26.32	276	137681m)	7.930	ng/ul	

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