

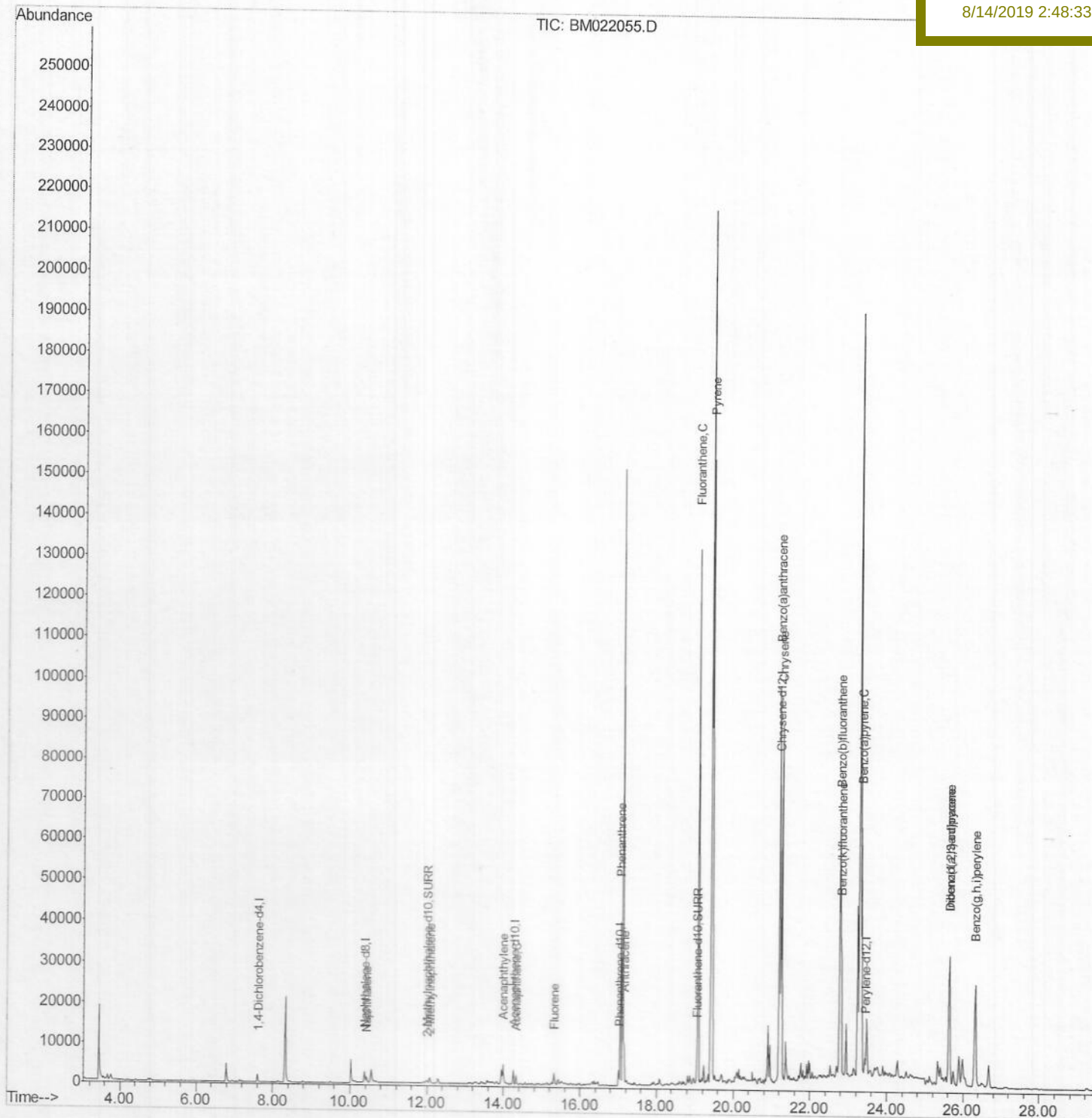
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022055.D
Acq On : 13 Aug 2019 05:57
Operator : HP/JU
Sample : K4041-13
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:31:03 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 :
BENW6

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:33 AM



Quantitation Report (Qedit)

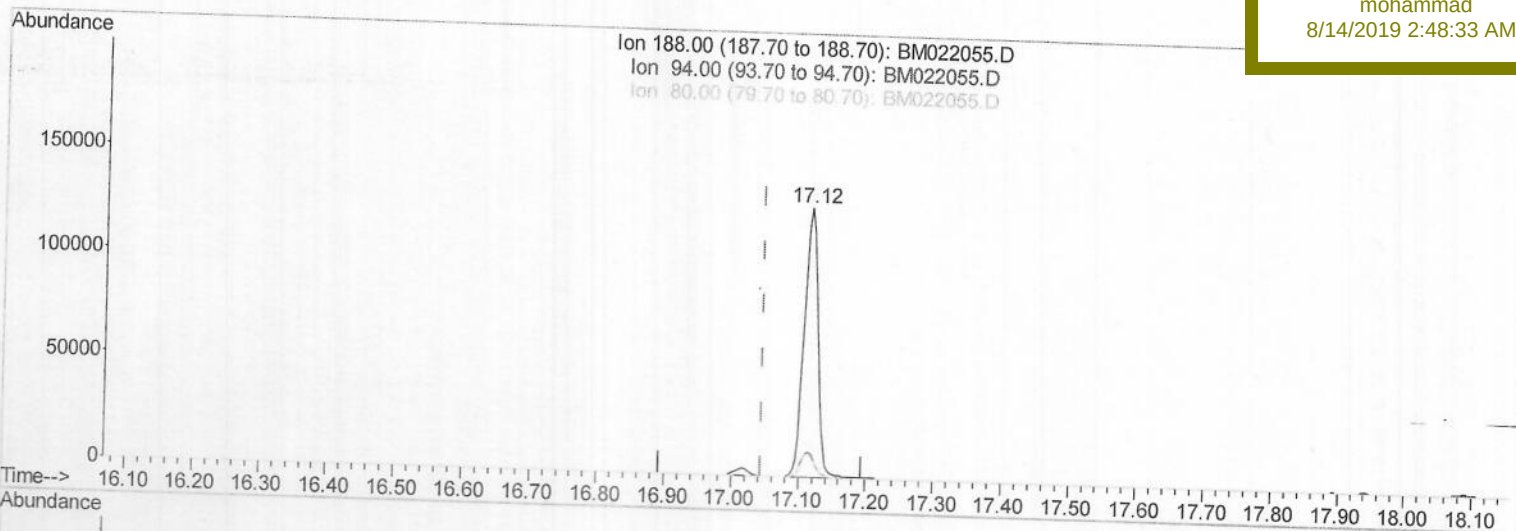
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:23:50 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

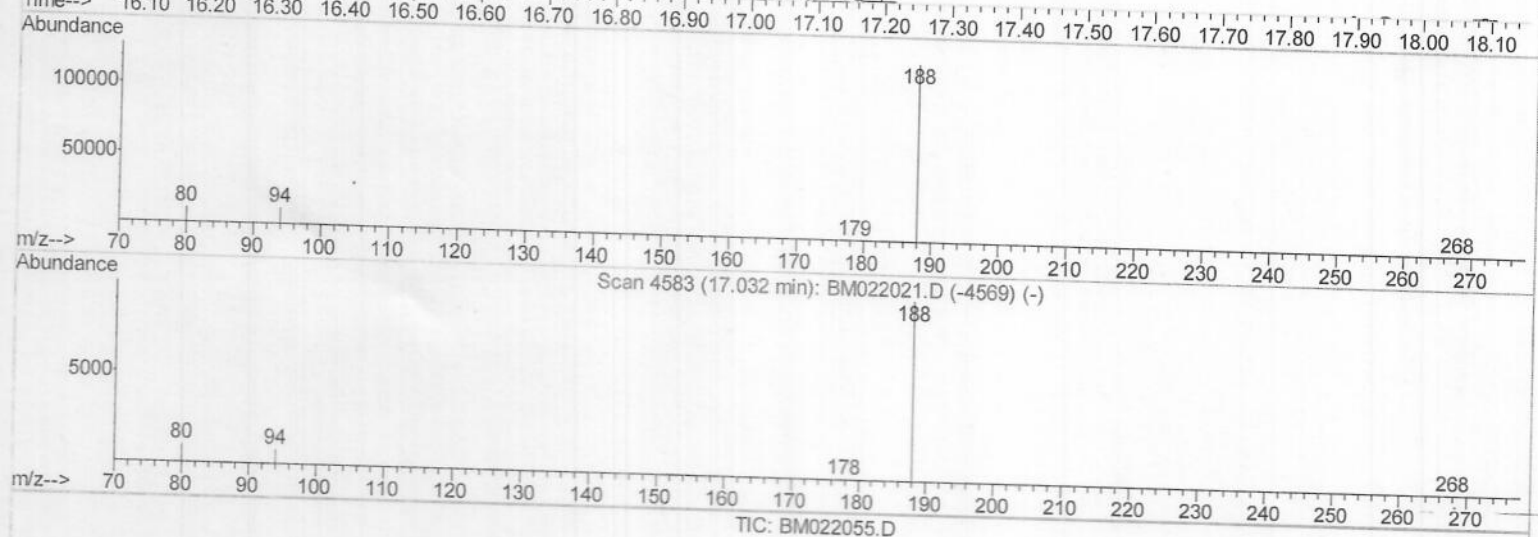
Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

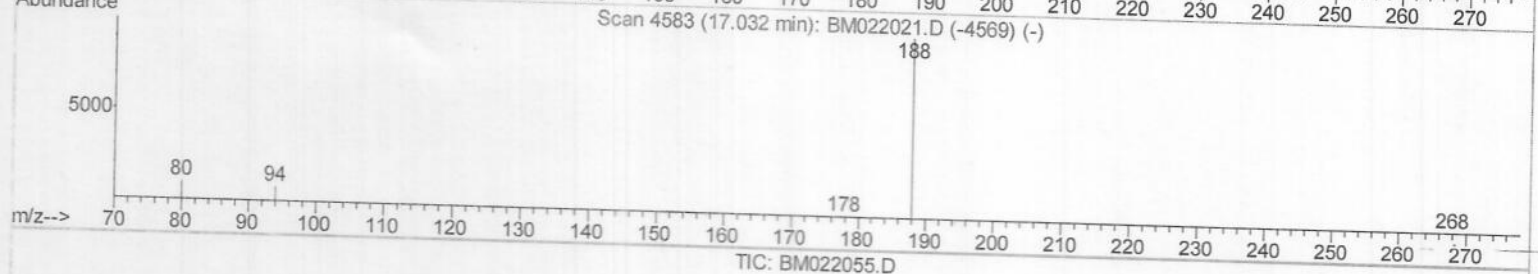
mohammad
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Ion 188.00 (187.70 to 188.70): BM022055.D
 Ion 94.00 (93.70 to 94.70): BM022055.D
 Ion 80.00 (79.70 to 80.70): BM022055.D



Scan 4583 (17.032 min): BM022021.D (-4569) (-)



TIC: BM022055.D

(10) Phenanthrene-d10 (I)
 17.115min (+0.071) 0.40ng/ul
 response 176562

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.16
80.00	11.40	8.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

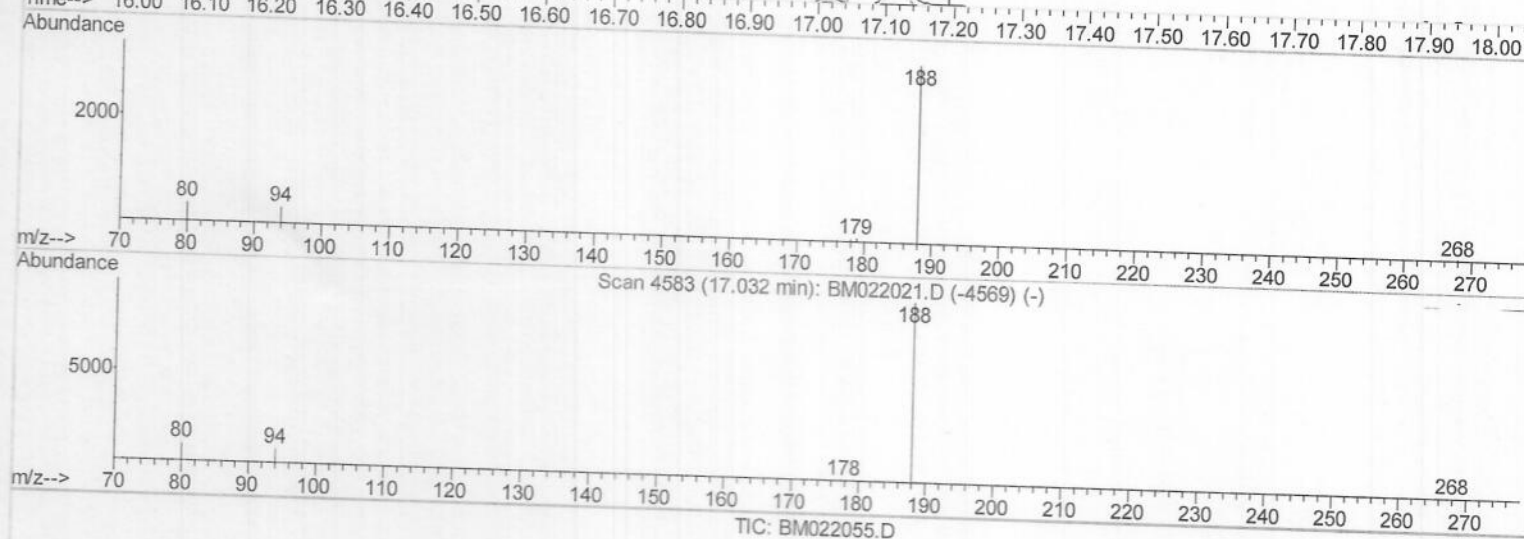
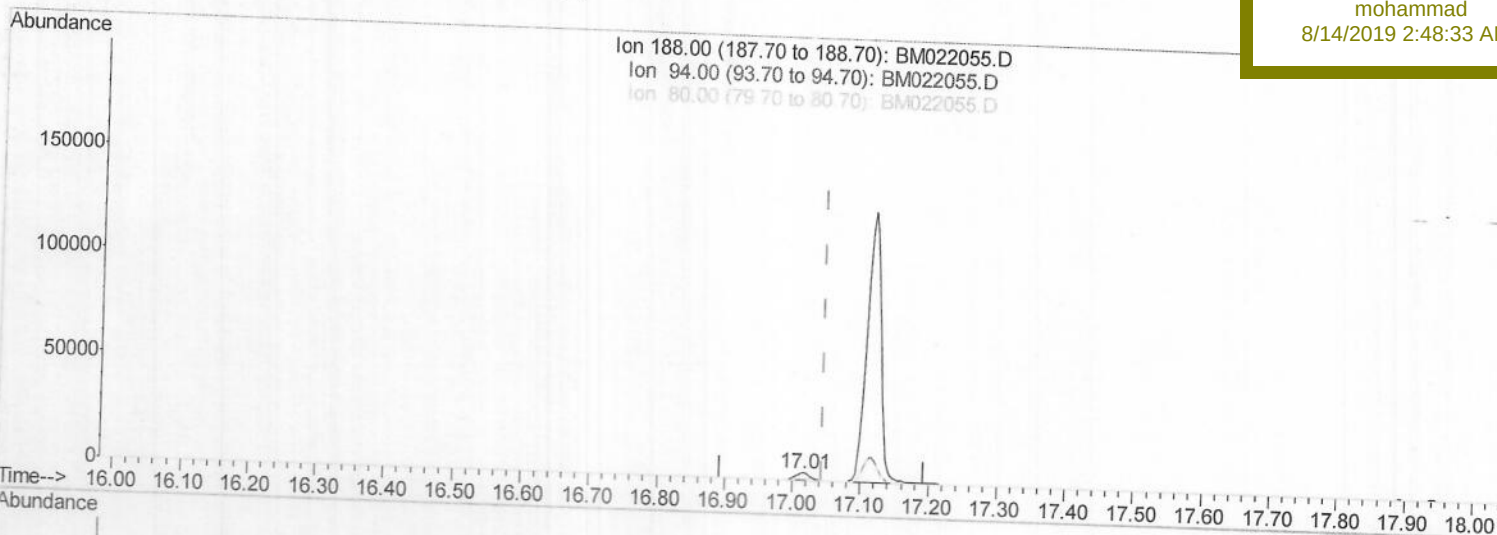
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:23:50 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



(10) Phenanthrene-d10 (I)

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

response 4810

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.58
80.00	11.40	11.81
0.00	0.00	0.00

Quantitation Report (Qedit)

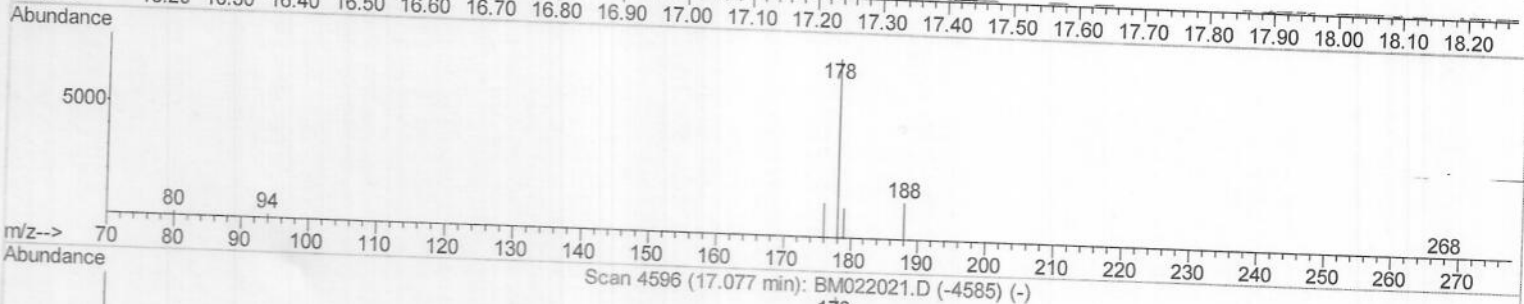
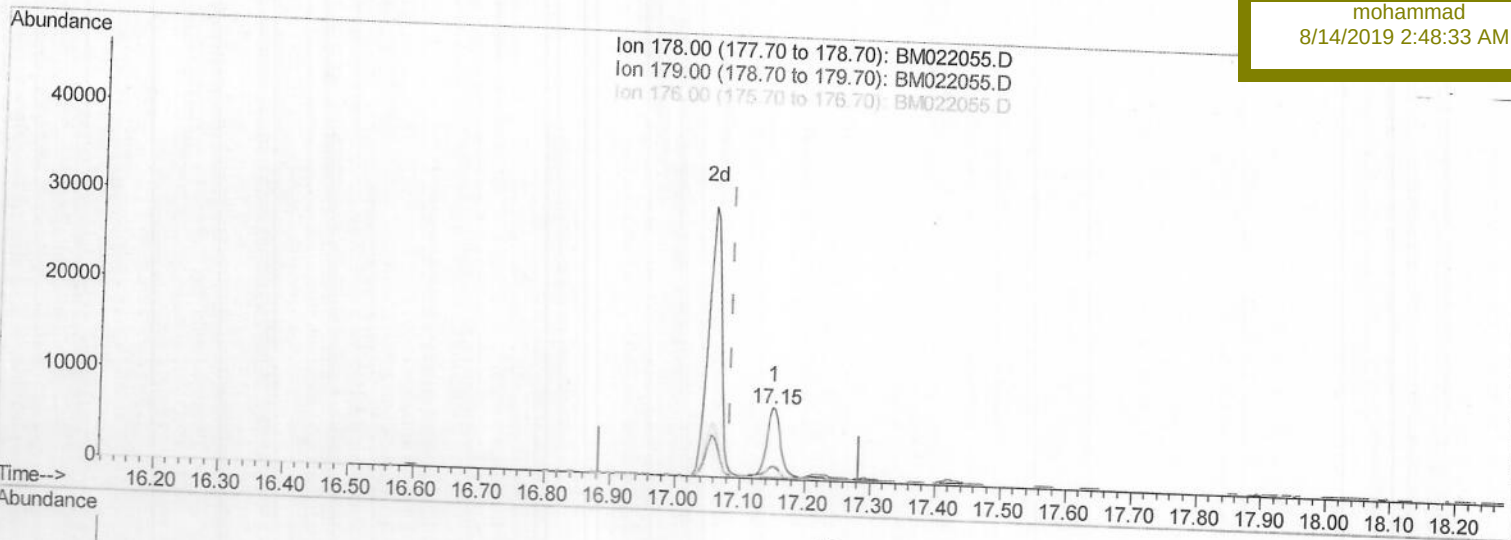
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



TIC: BM022055.D

(12) Phenanthrene

17.150min (+0.064) 0.87ng/ul

response 12181

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.97
176.00	21.00	19.82
0.00	0.00	0.00

Quantitation Report (Qedit)

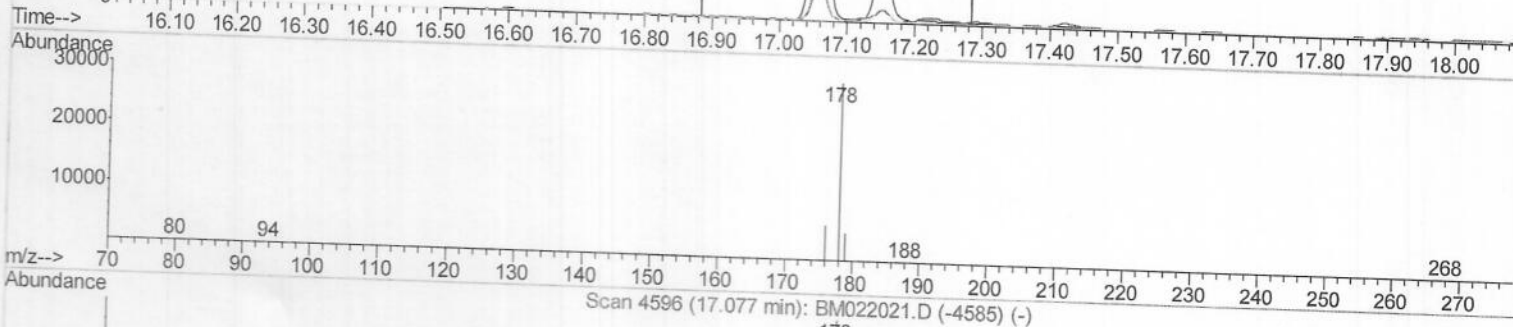
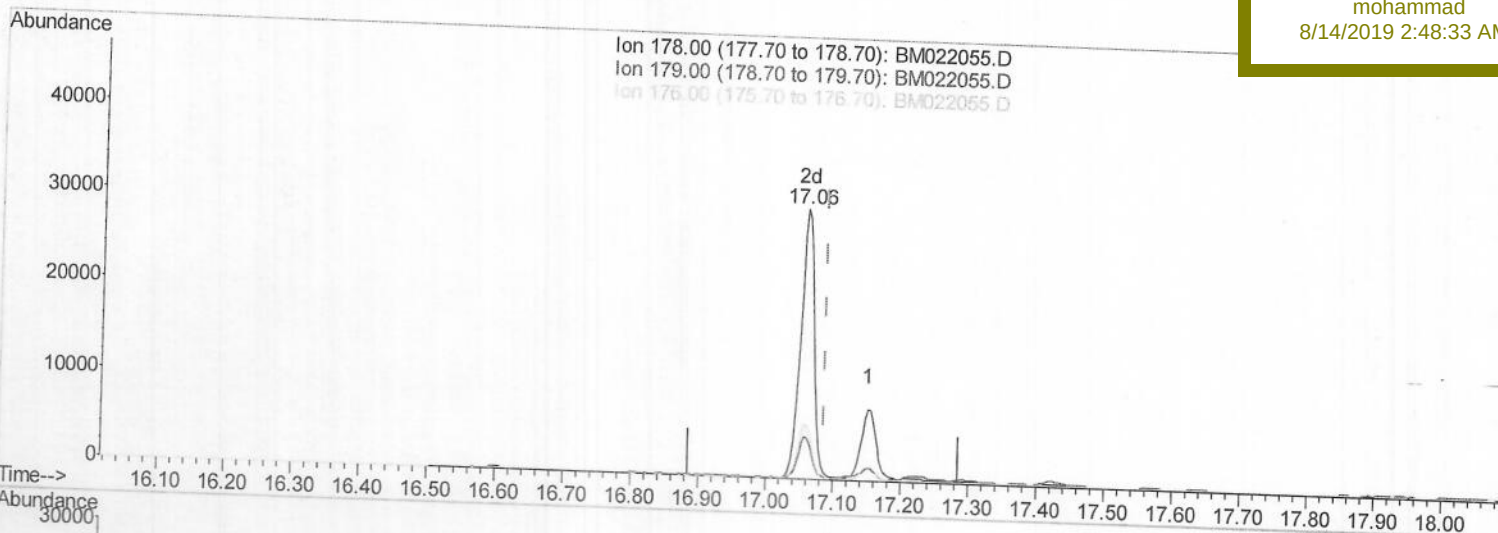
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



TIC: BM022055.D

(12) Phenanthrene

17.056min (-0.029) 3.01ng/ul m) 50
 08/14/19

response 42166

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.64
176.00	21.00	19.89
0.00	0.00	0.00

Quantitation Report (Qedit)

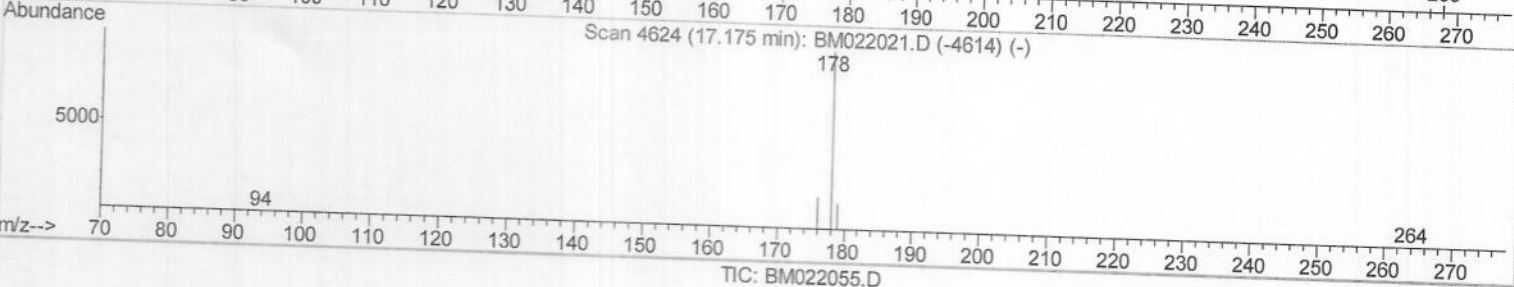
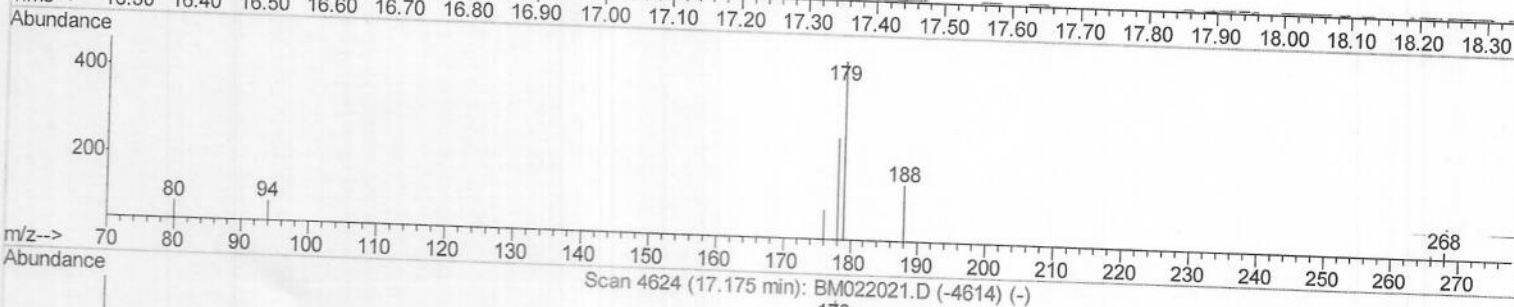
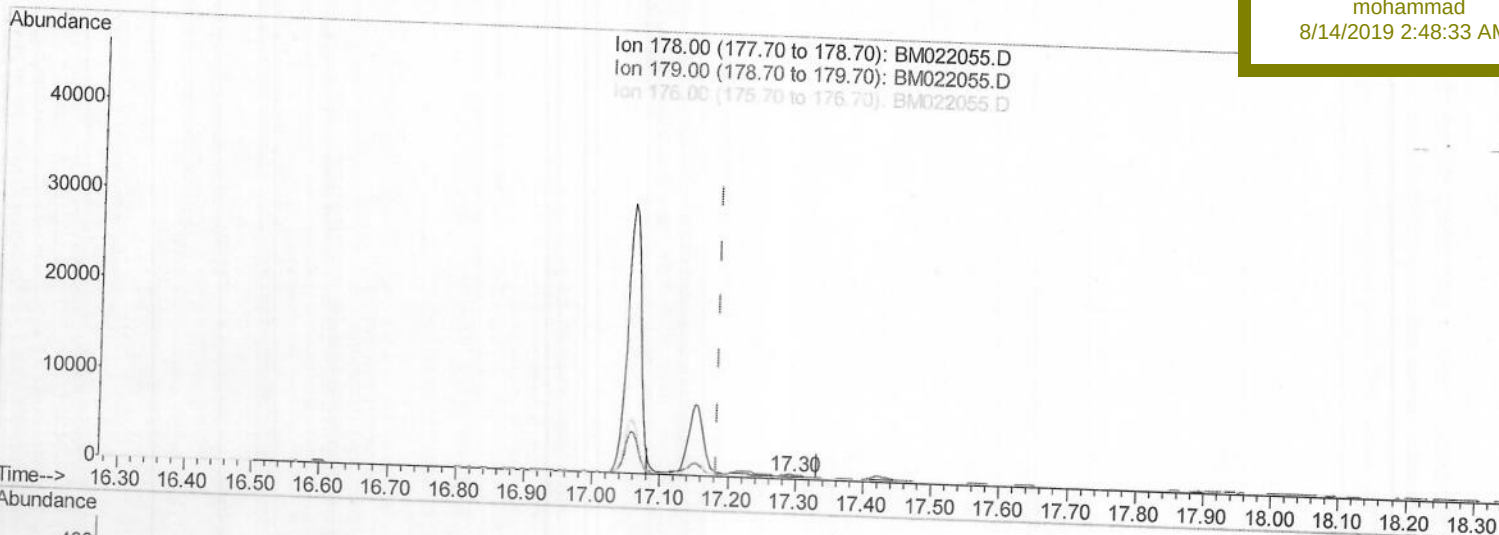
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



(13) Anthracene

17.296min (+0.113) 0.02pg/ul

response 295

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	162.77#
176.00	20.80	41.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

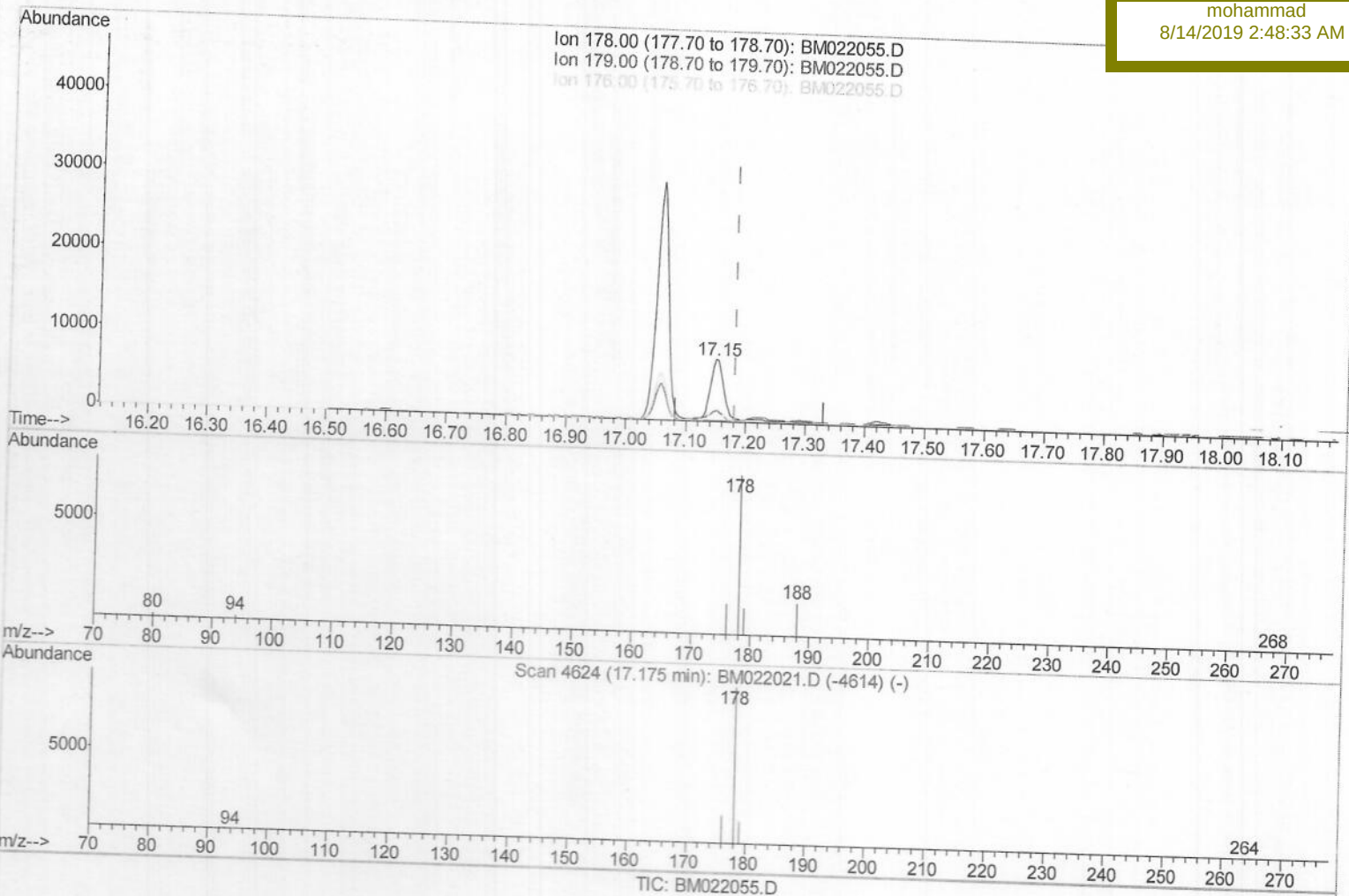
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
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Quant Time: Aug 13 09:24:31 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



(13) Anthracene

17.150min (-0.033) 0.98ng/ul m ³⁰
 08/14/19

response 11742

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.97
176.00	20.80	19.82
0.00	0.00	0.00

Quantitation Report (Qedit)

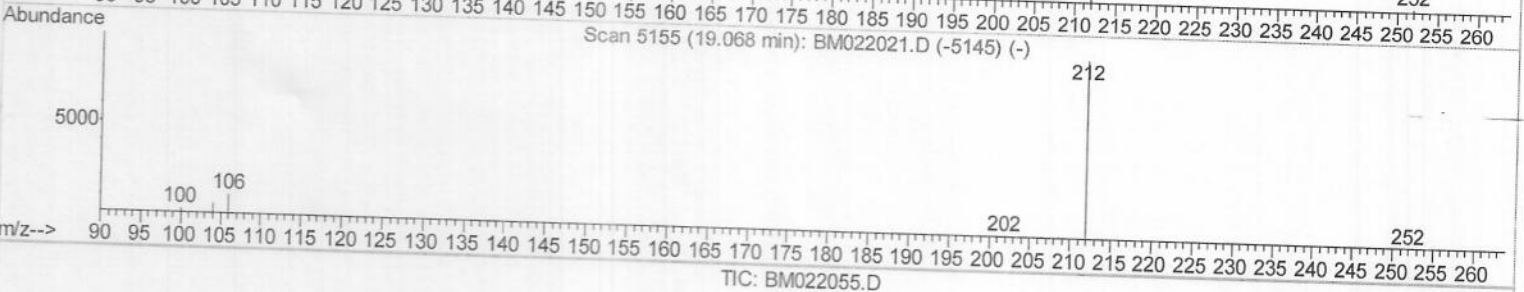
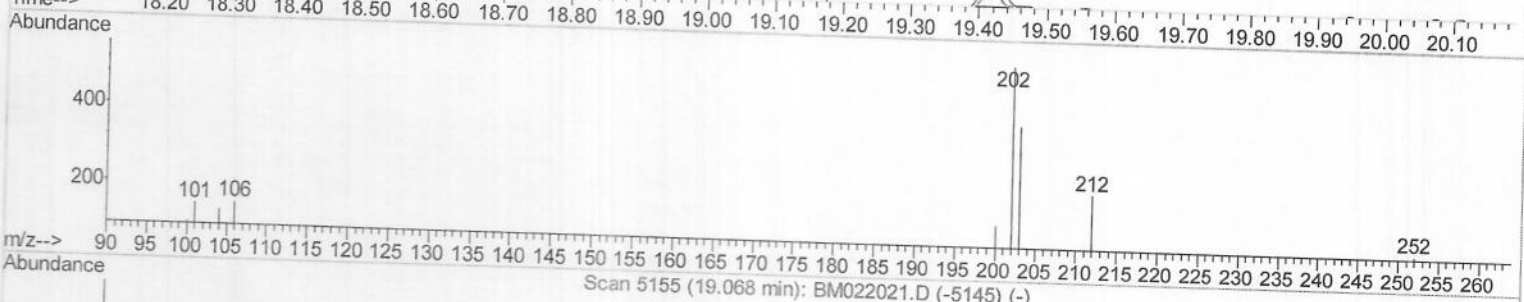
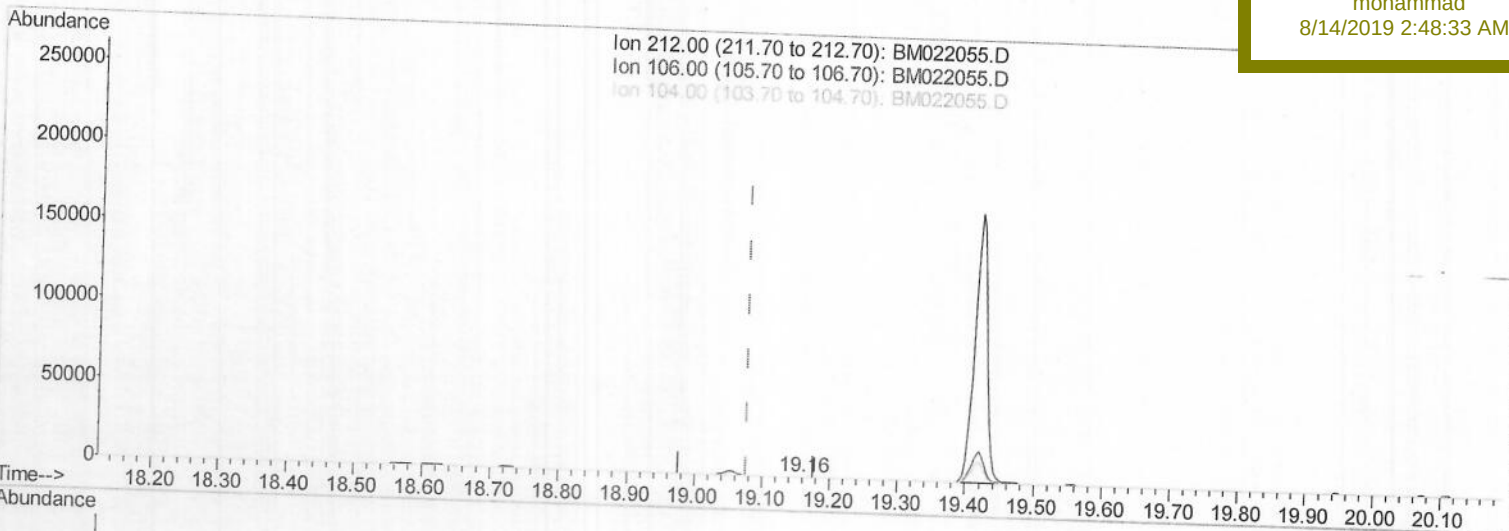
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

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Quant Time: Aug 13 09:24:31 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



(14) Fluoranthene-d10 (SURR)

19.159min (+0.082) 0.02ng/ul

response 260

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	5.38#
104.00	6.00	2.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

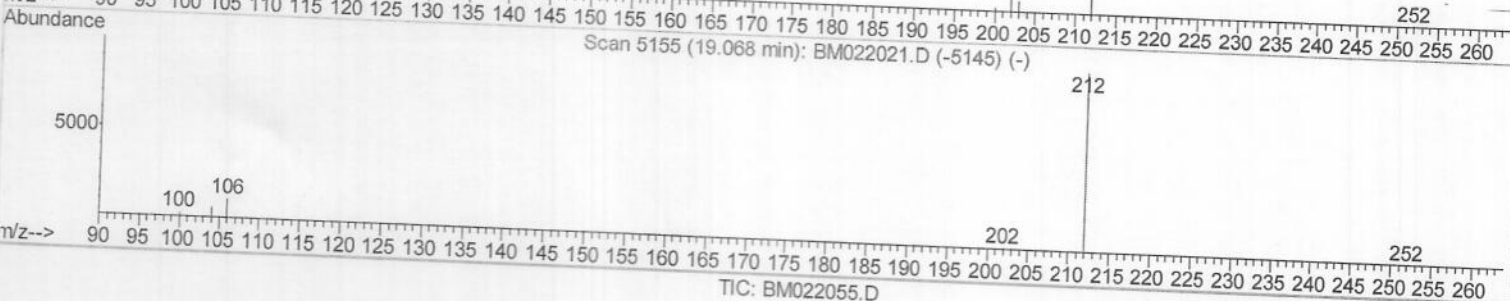
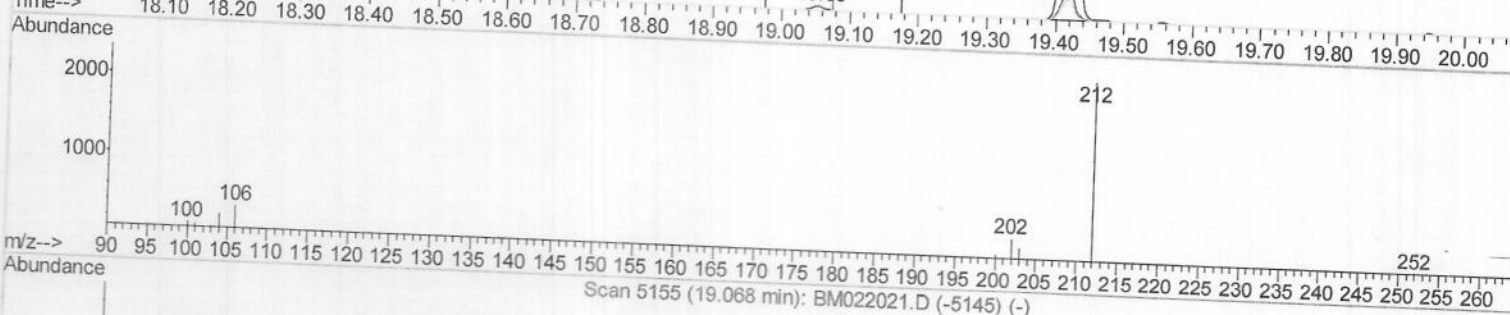
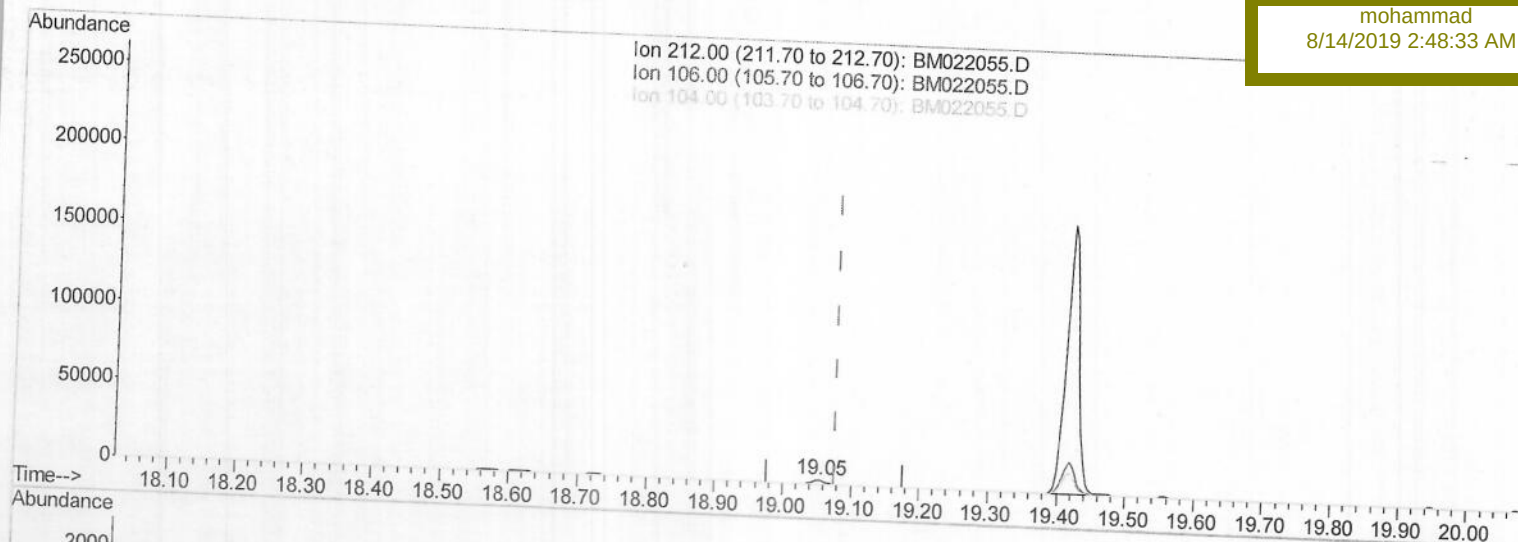
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:24:31 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 :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM



(14) Fluoranthene-d10 (SURR)

19.053min (-0.025) 0.20ng/ul mJU
 08/14/19

response 3235

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.43#
104.00	6.00	0.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

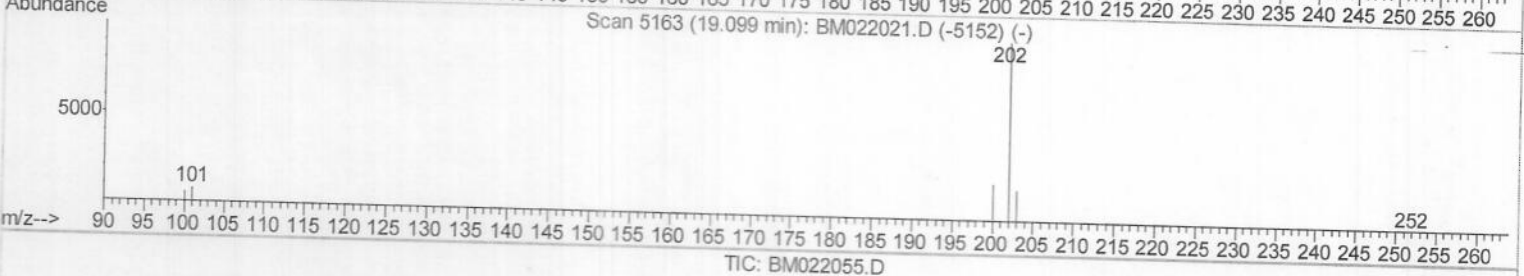
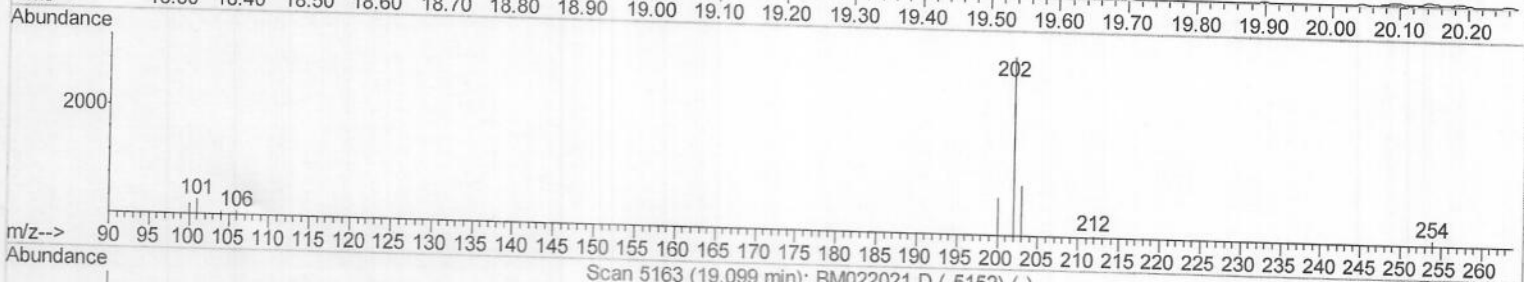
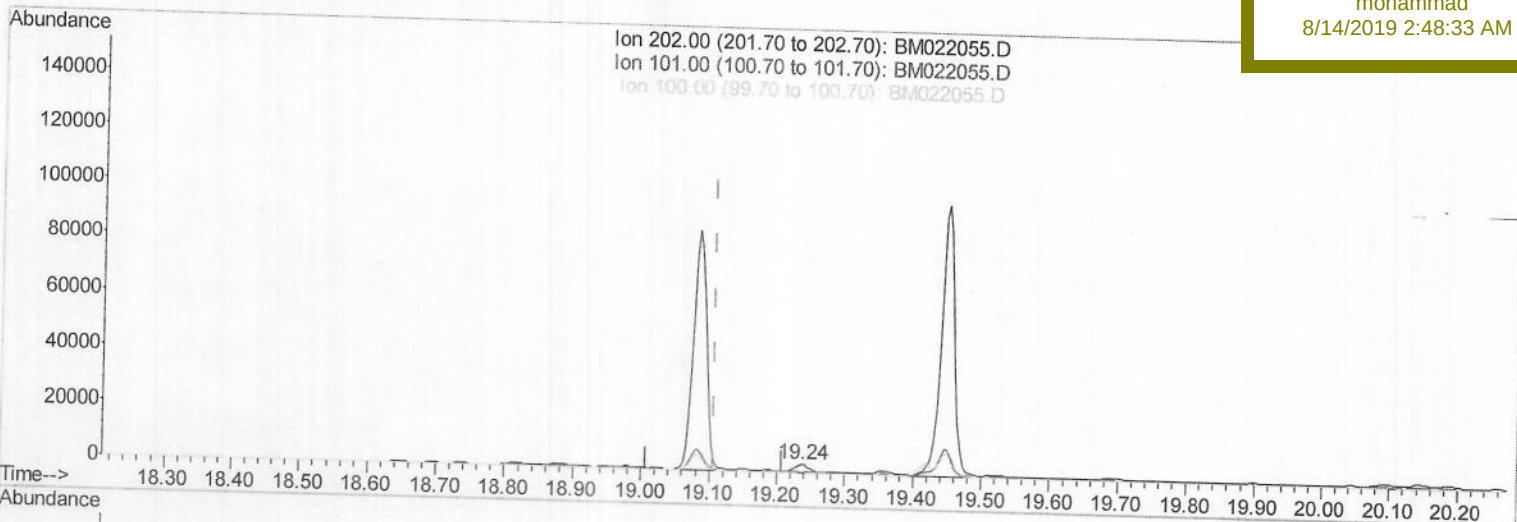
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



(15) Fluoranthene (C)
 19.236min (+0.128) 0.20ng/ul
 response 3777

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	10.96
100.00	8.10	8.28
0.00	0.00	0.00

Quantitation Report (Qedit)

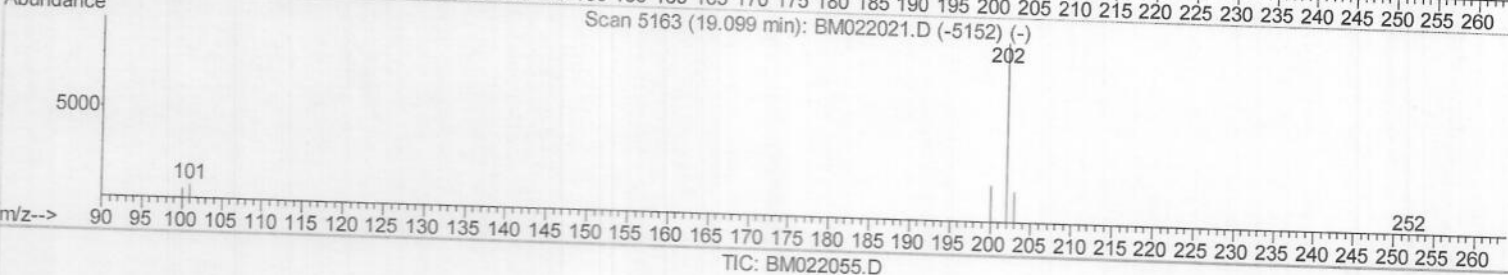
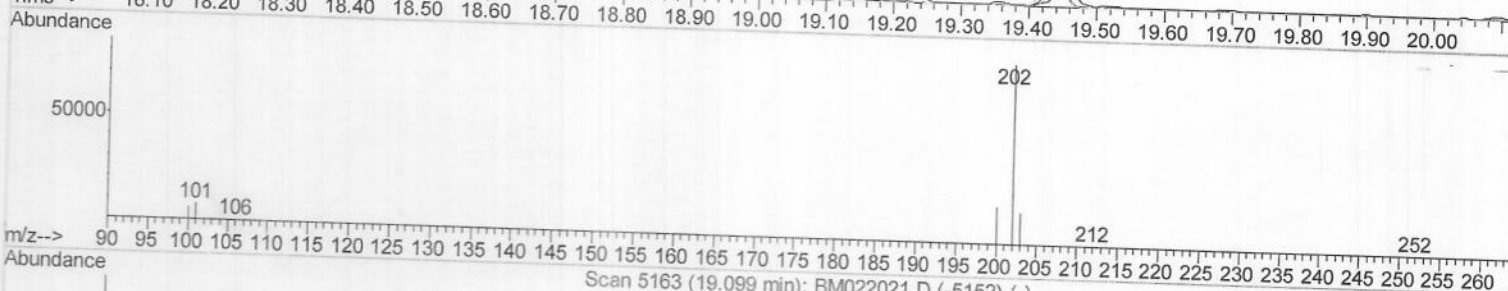
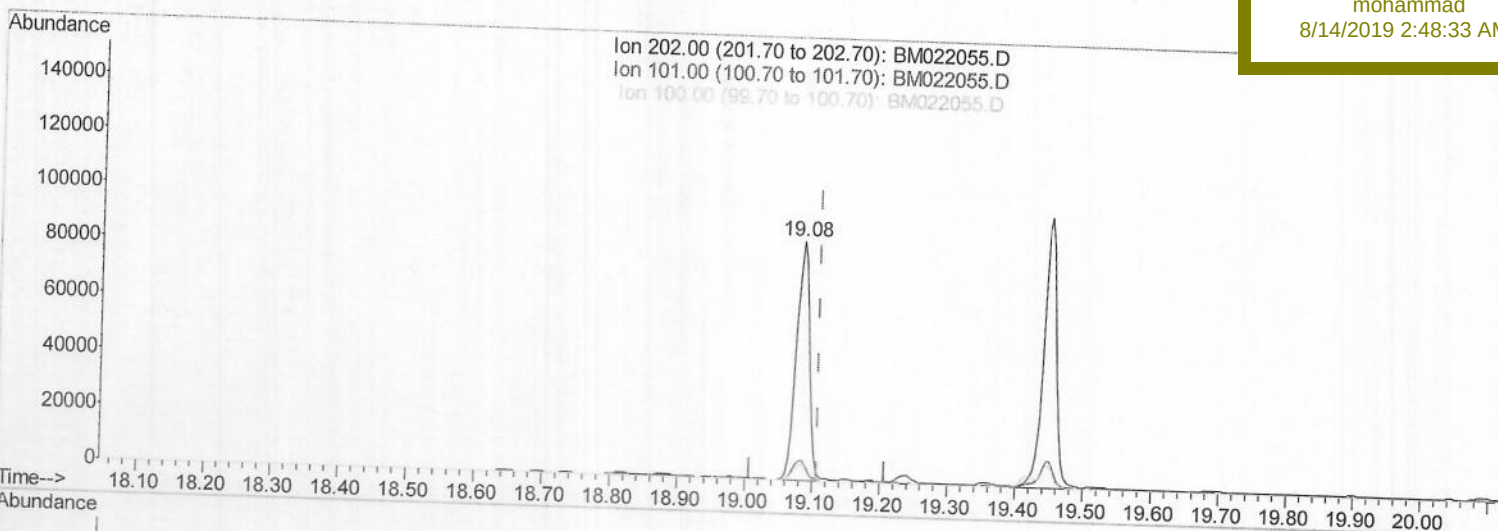
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



(15) Fluoranthene (C)

19.083min (-0.025) 6.08ng/ul mJ 30
 08/14/19

response 114030

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.70
100.00	8.10	6.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :

BNA_M

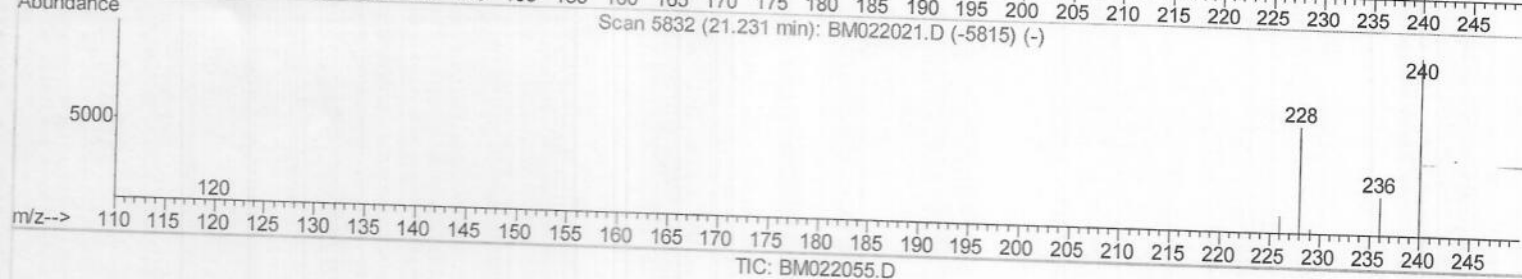
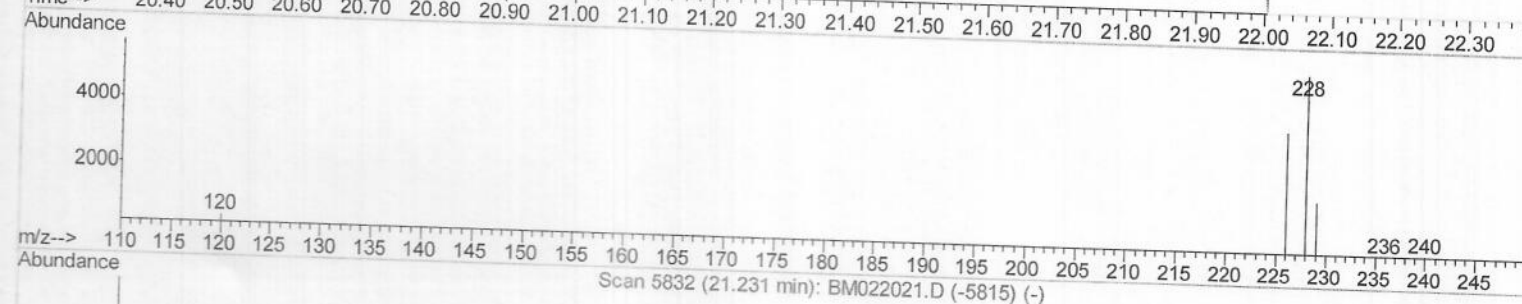
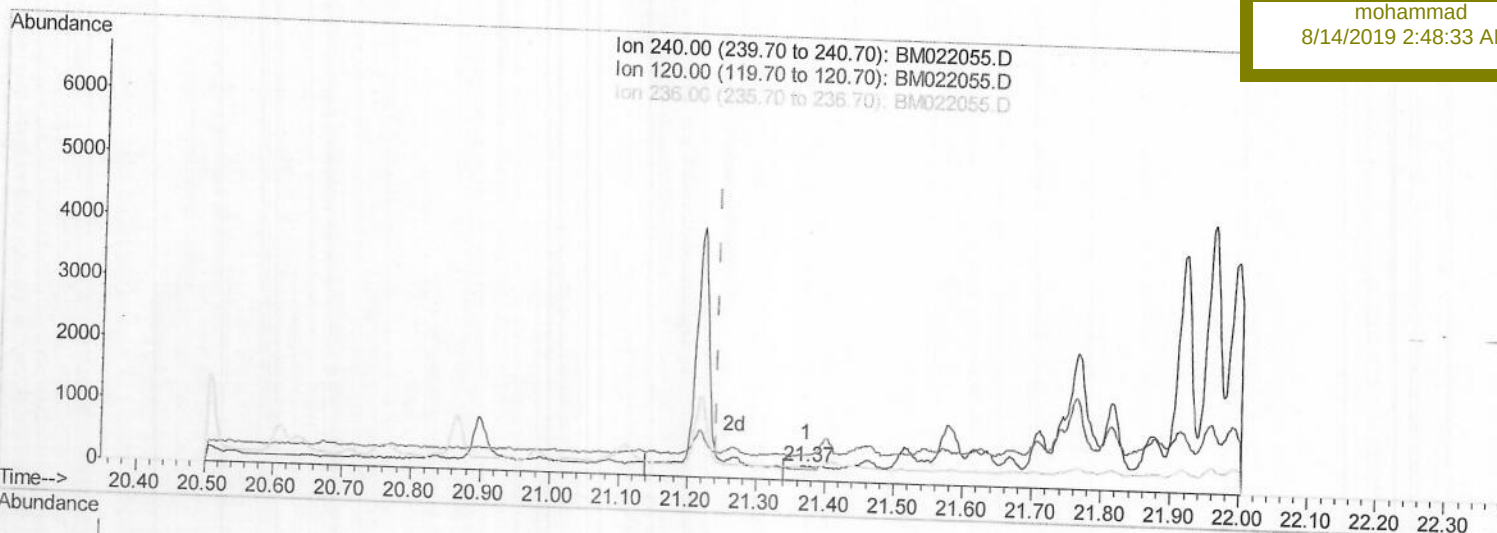
Client Sampled :

BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



(16) Chrysene-d12 (I)

21.372min (+0.130) 0.40ng/ul

response 88

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	179.49#
236.00	32.30	89.32#
0.00	0.00	0.00

Quantitation Report (Qedit)

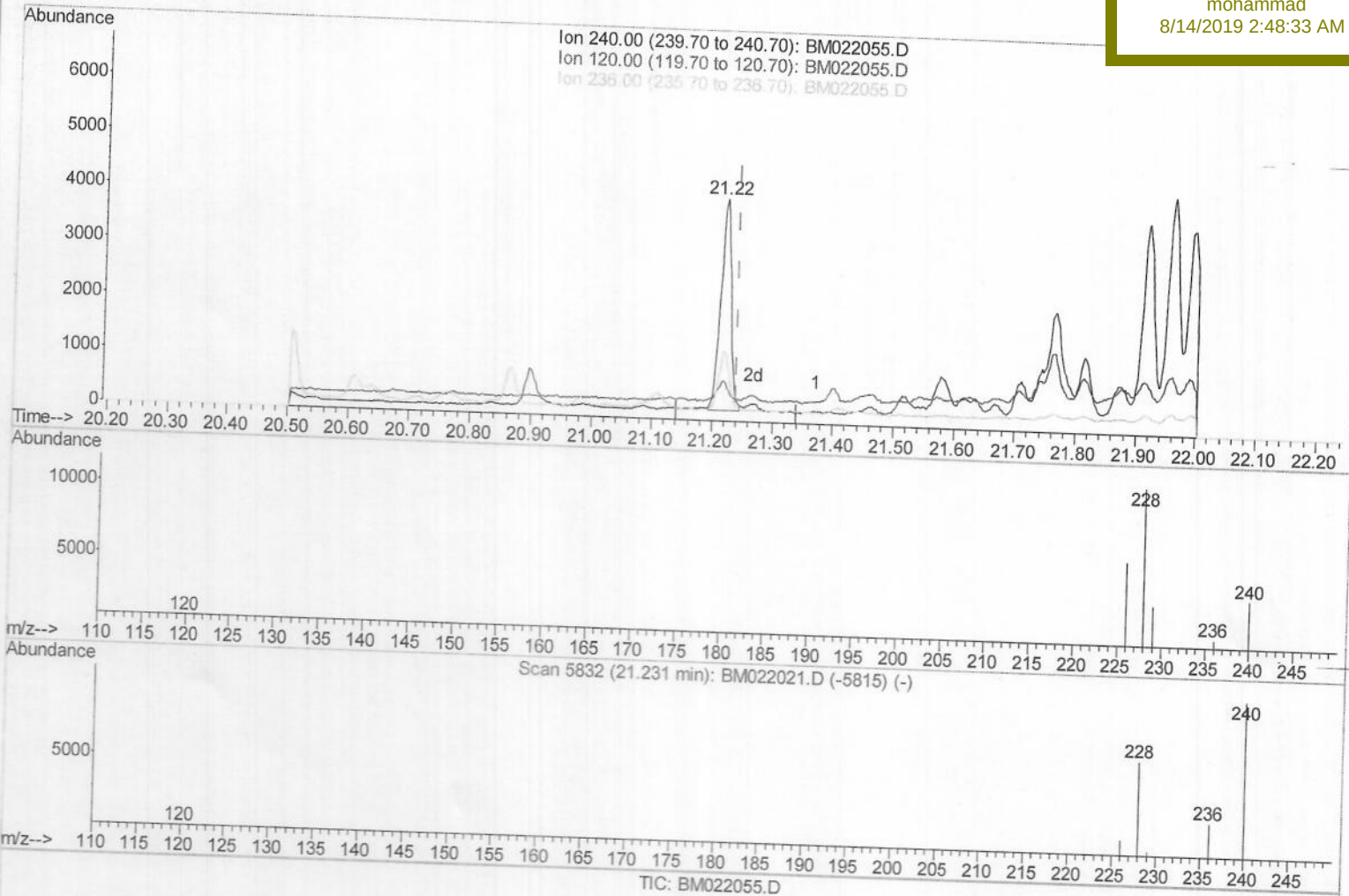
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 BENW6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:24:31 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



(16) Chrysene-d12 (I)

21.219min (-0.022) 0.40ng/ul m *550*
08/14/19

response 4644

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	18.12
236.00	32.30	31.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :

BNA_M

Client Sample Id :

BENW6

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:33 AM

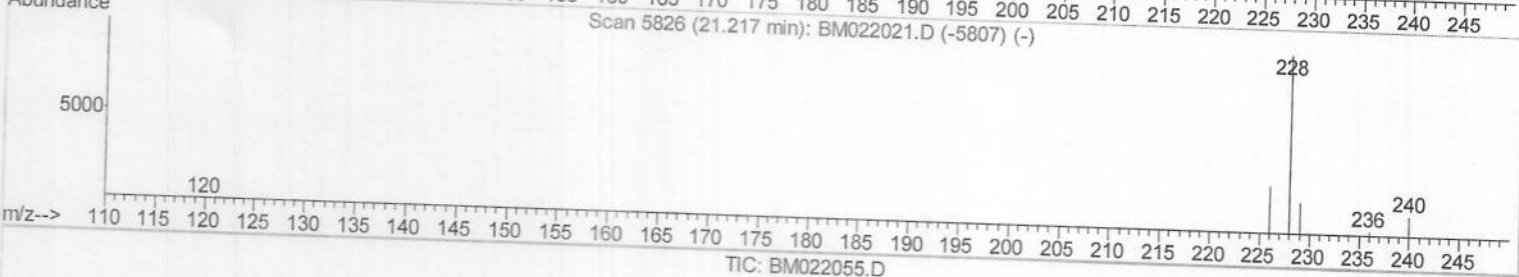
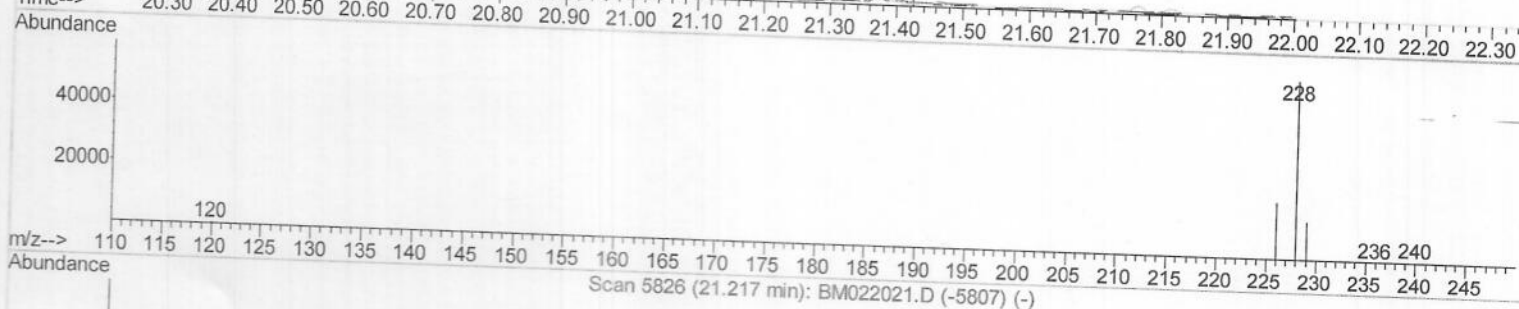
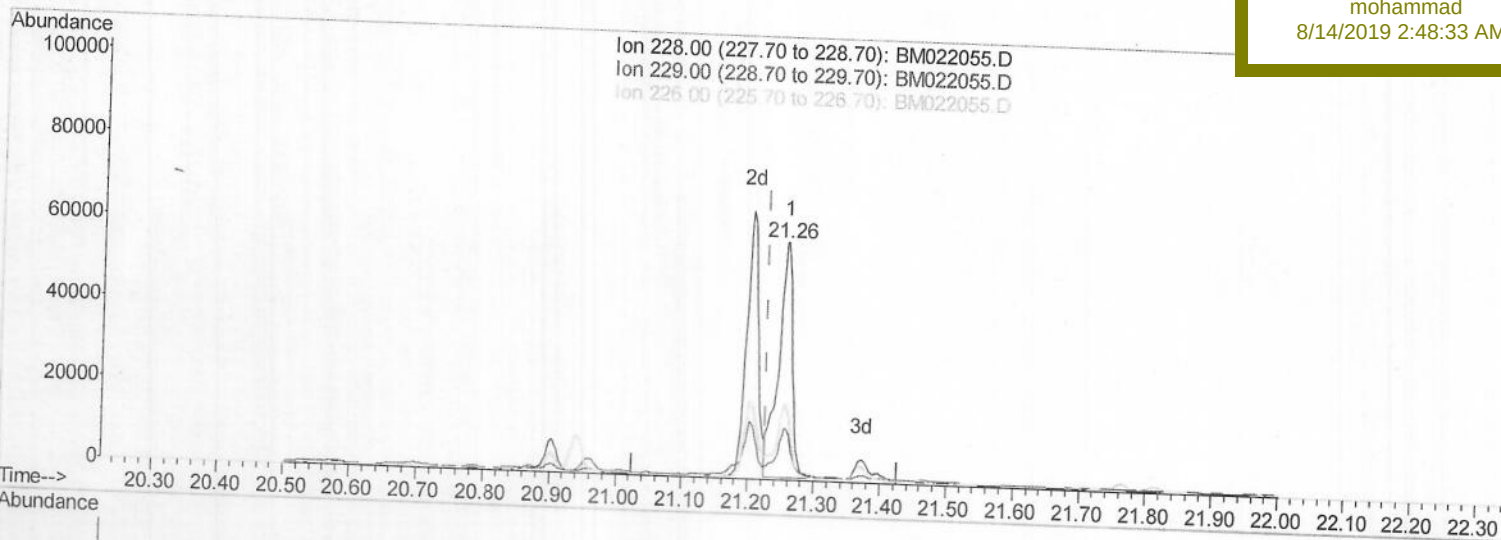
Quant Time: Aug 13 09:28:00 2019

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



(18) Benzo(a)anthracene

21.255min (+0.029) 5.21ng/ul

response 86543

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.49
226.00	28.30	31.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:28:00 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 :

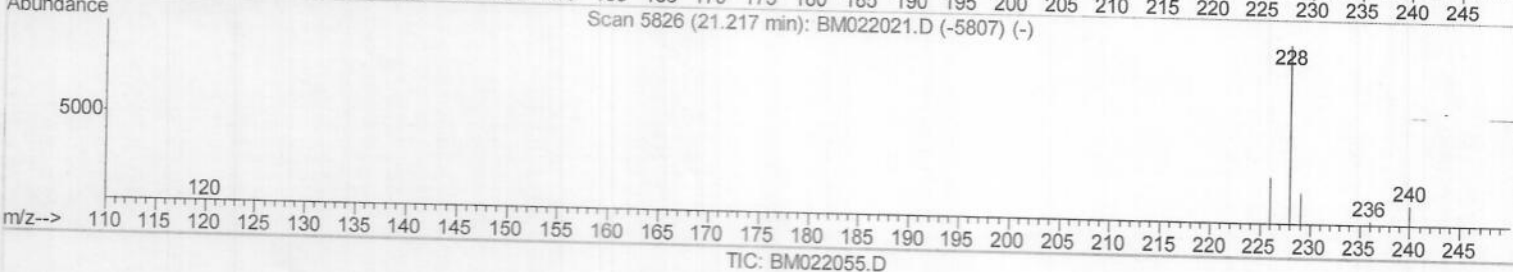
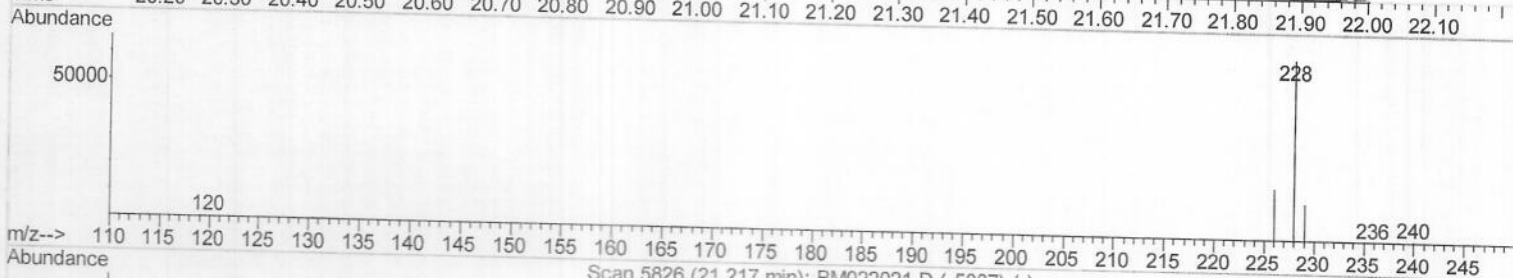
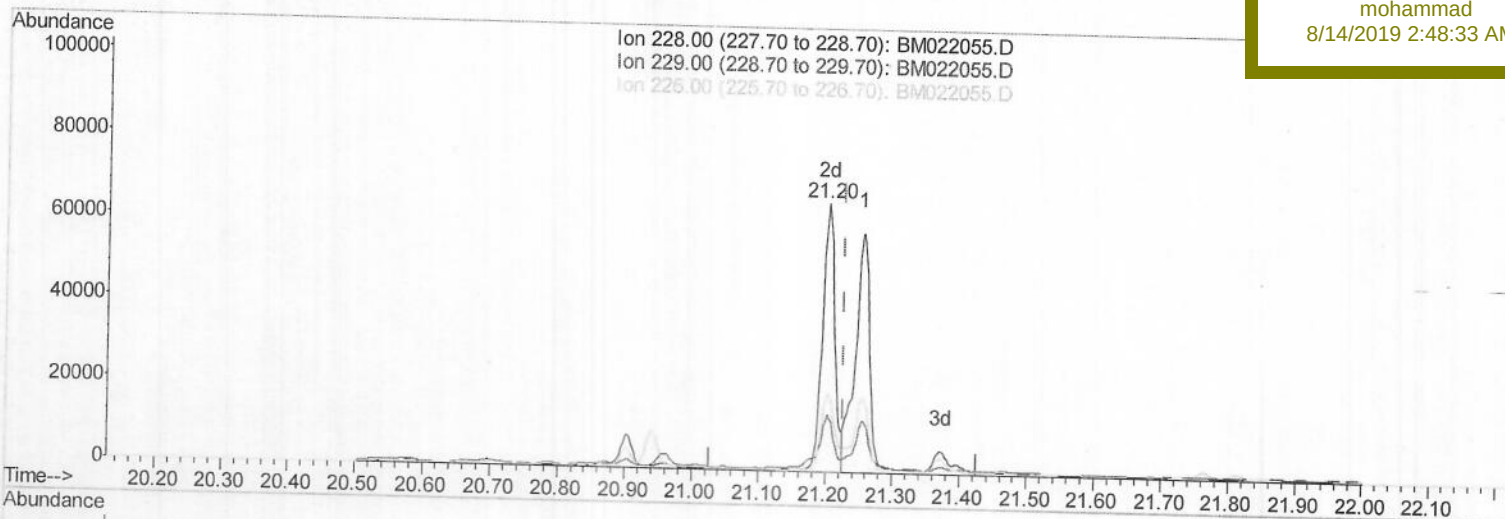
BENW6

Manual Integrations

APPROVED

mohammad

8/14/2019 2:48:33 AM



(18) Benzo(a)anthracene

21.202min (-0.024) 5.09ng/ul m) 30
 08/14/19

response 84508

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.20
226.00	28.30	28.96
0.00	0.00	0.00

Quantitation Report (Qedit)

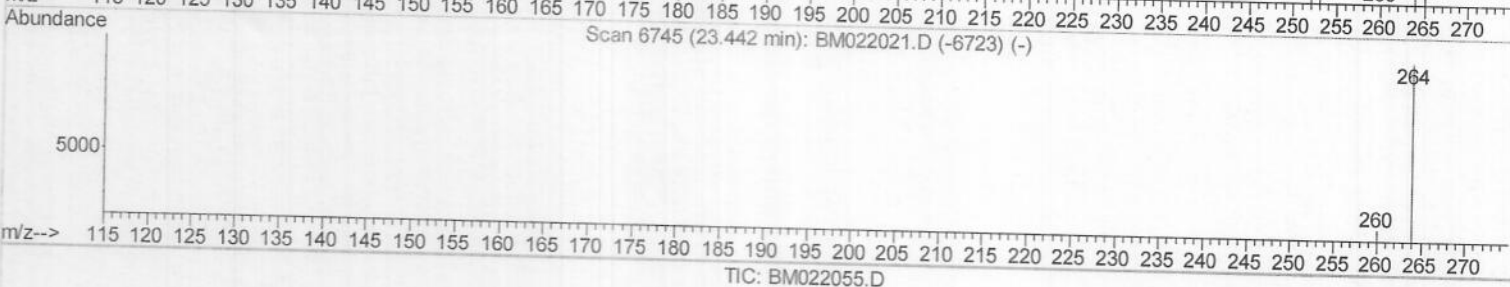
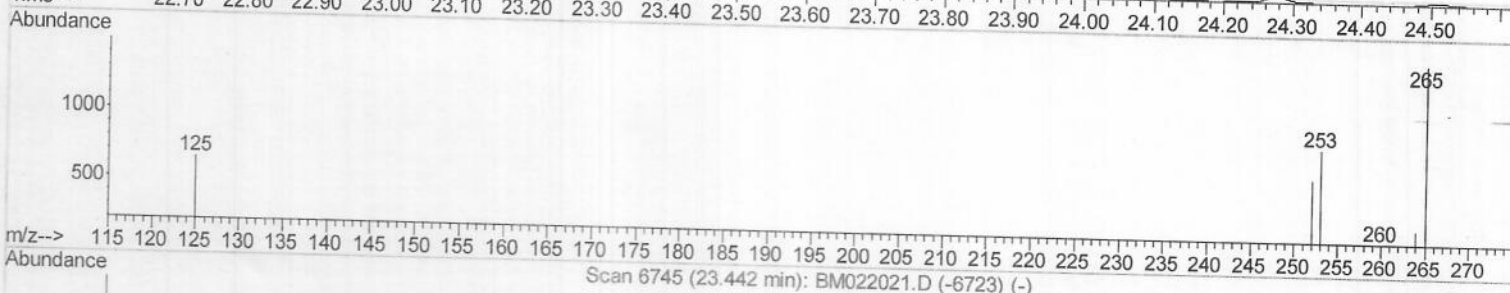
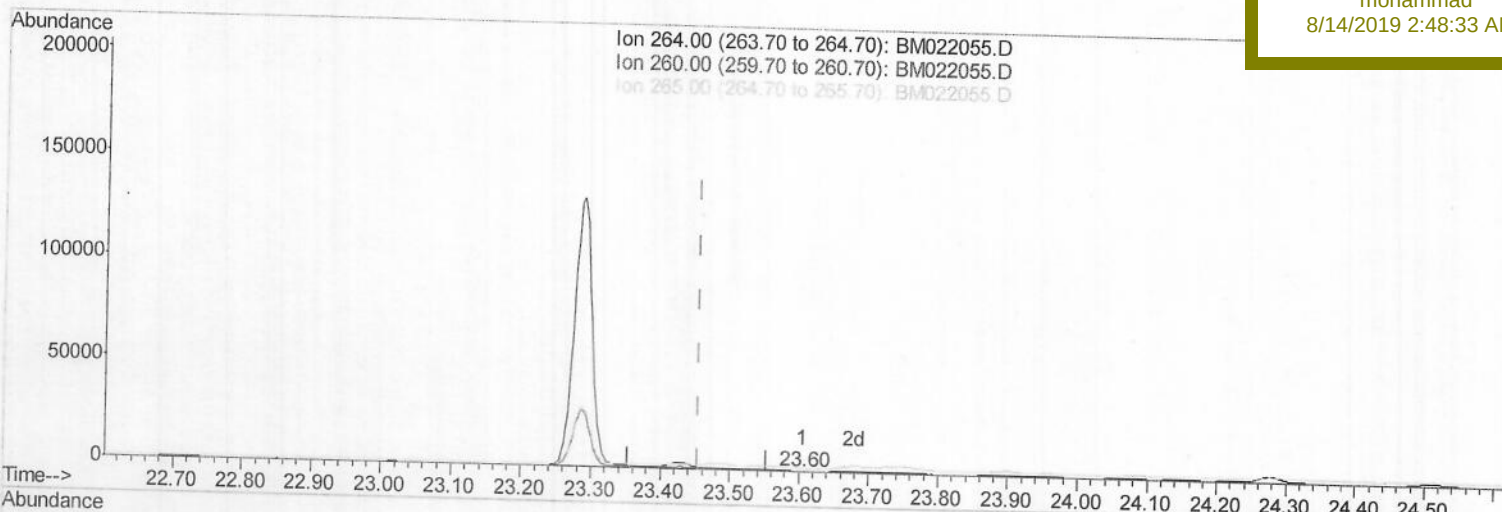
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:28:00 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 :
 BENW6

Manual Integrations
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(20) Perylene-d12 (I)

23.605min (+0.151) 0.40ng/ul

response 19

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	66.78#
265.00	117.00	517.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

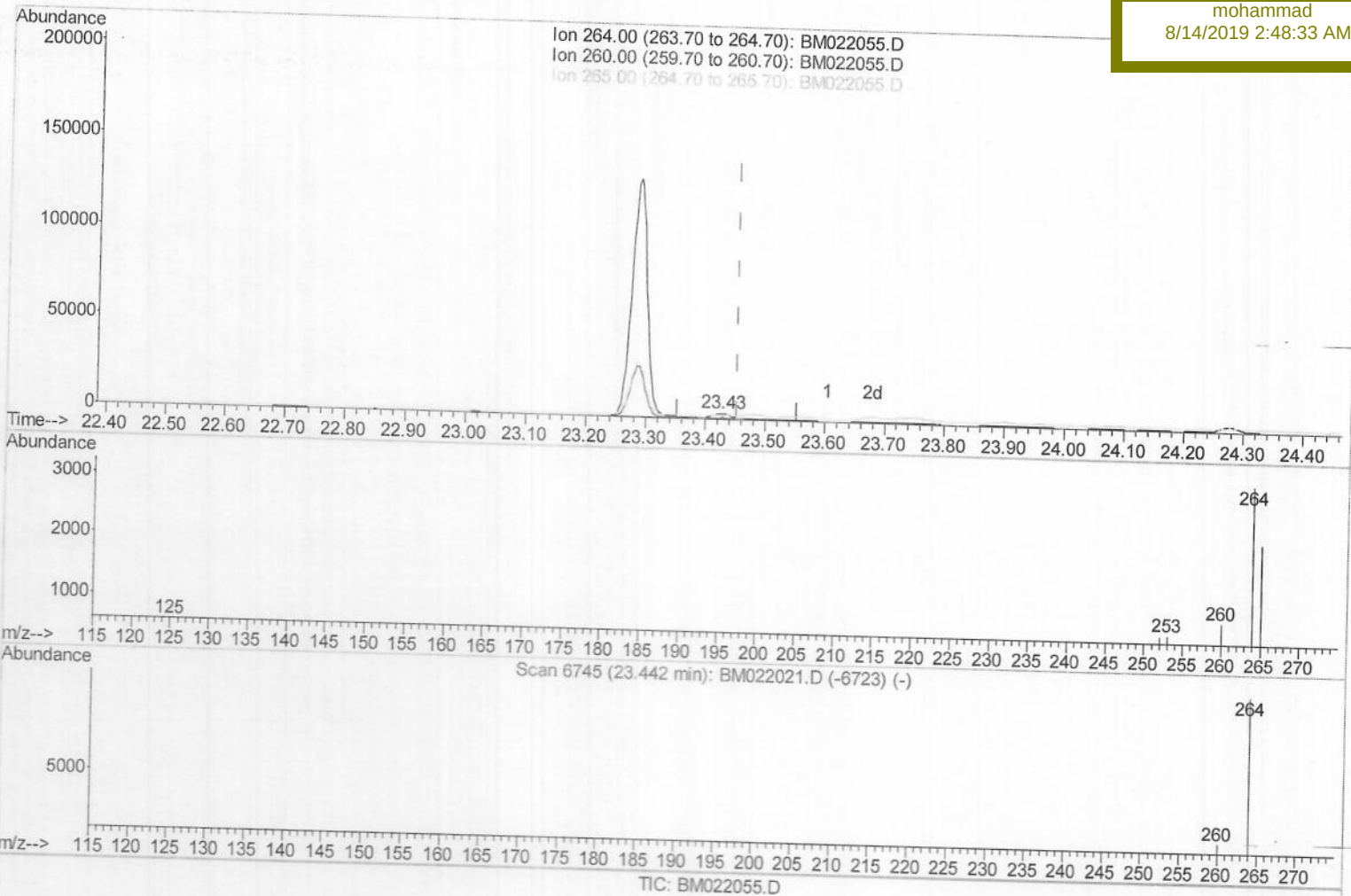
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:28:00 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 :
 BENW6

Manual Integrations
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(20) Perylene-d12 (I)

23.428min (-0.026) 0.40ng/ul m) ³⁰
 8/14/19

response 4993

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.30
265.00	117.00	69.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

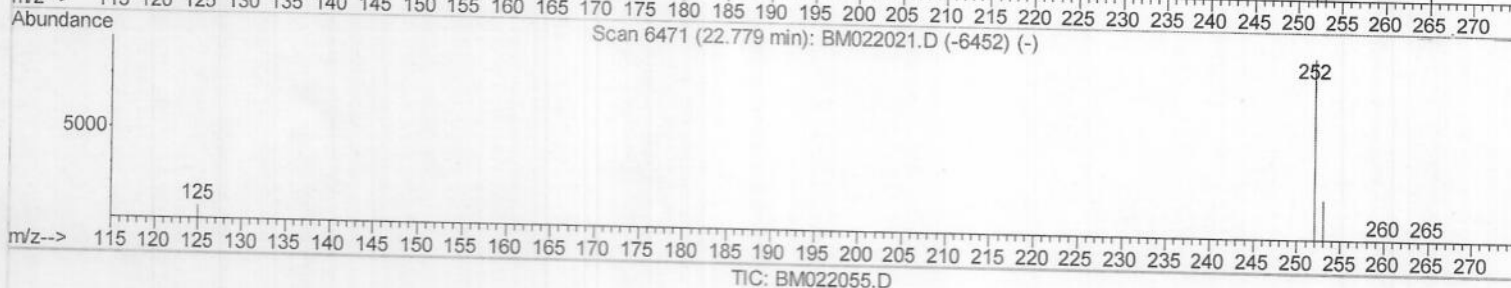
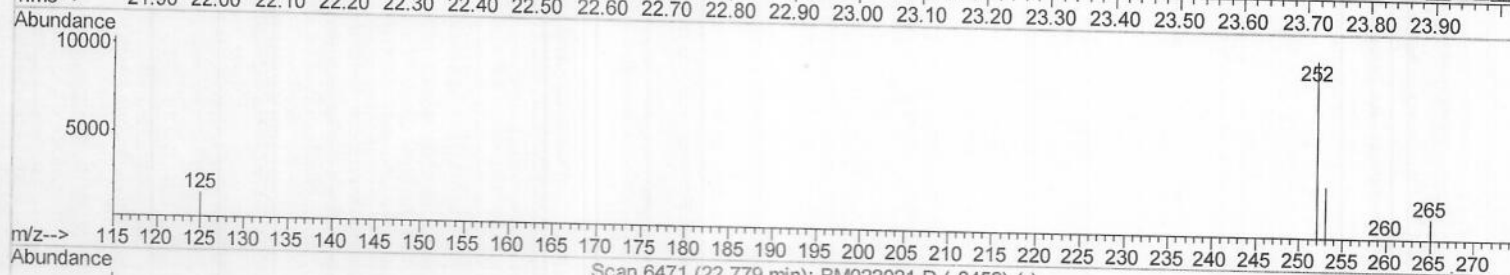
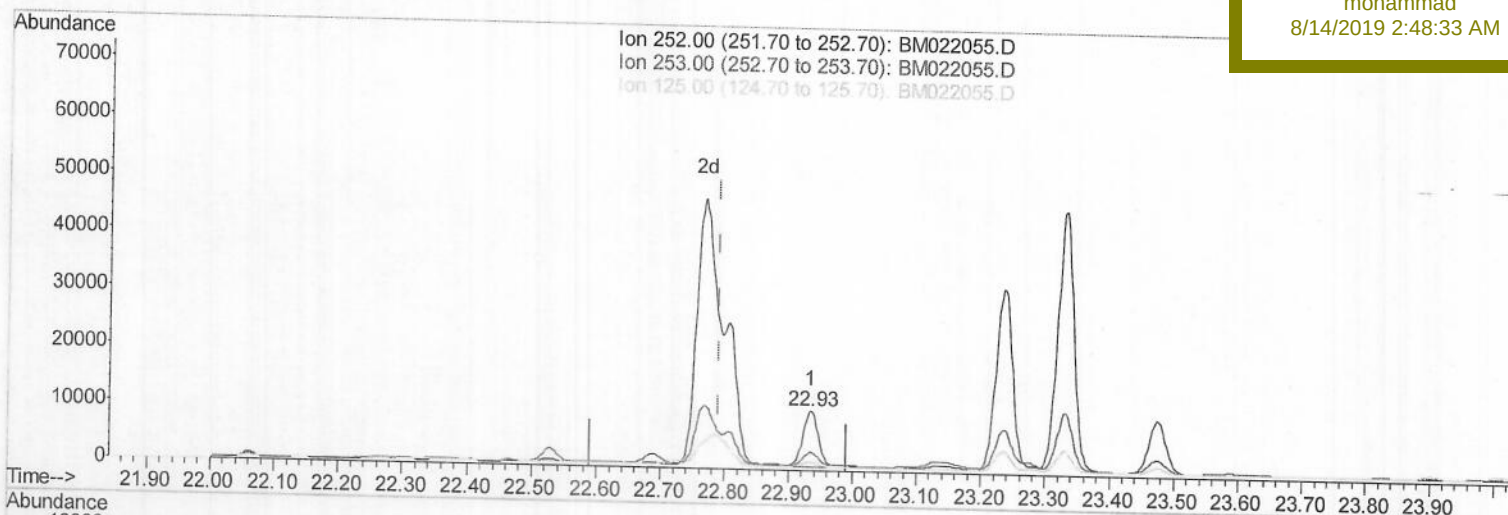
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENW6

Manual Integrations
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Quant Time: Aug 13 09:29:01 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



(21) Benzo(b)fluoranthene
 22.934min (+0.143) 1.00ng/ul
 response 16897

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.66
125.00	15.50	15.15
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BM022055.D

Acq On : 13 Aug 2019 05:57

Operator : HP/JU

Sample : K4041-13

Misc :

ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :

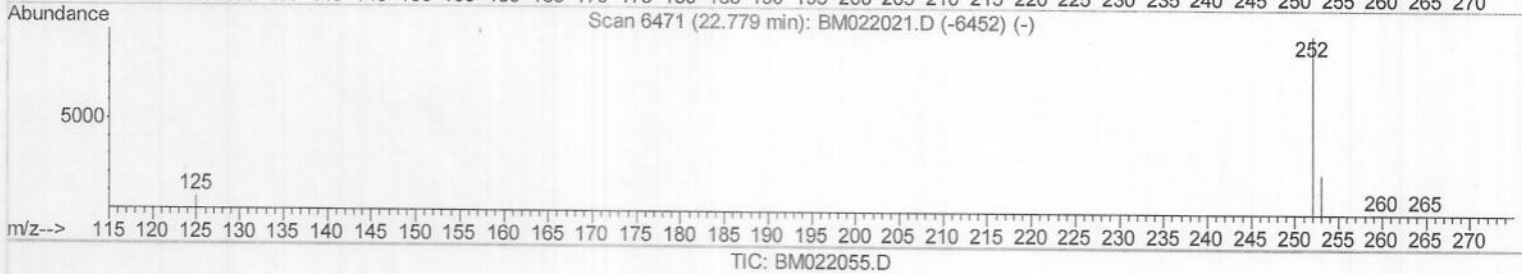
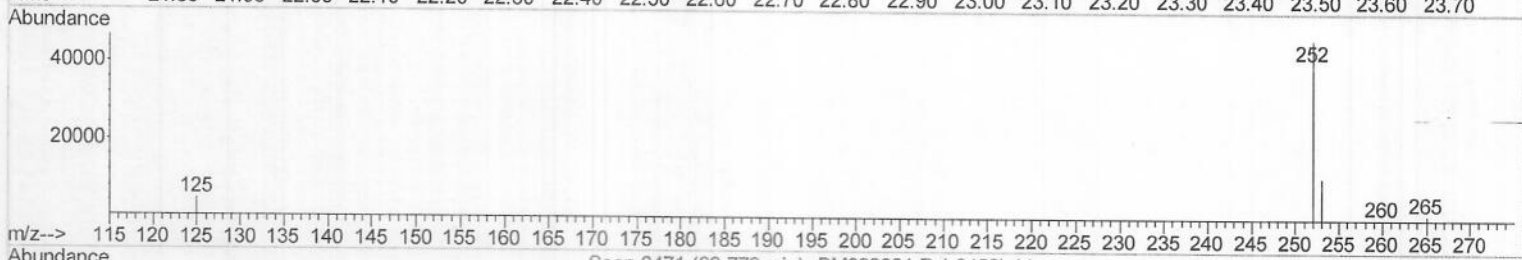
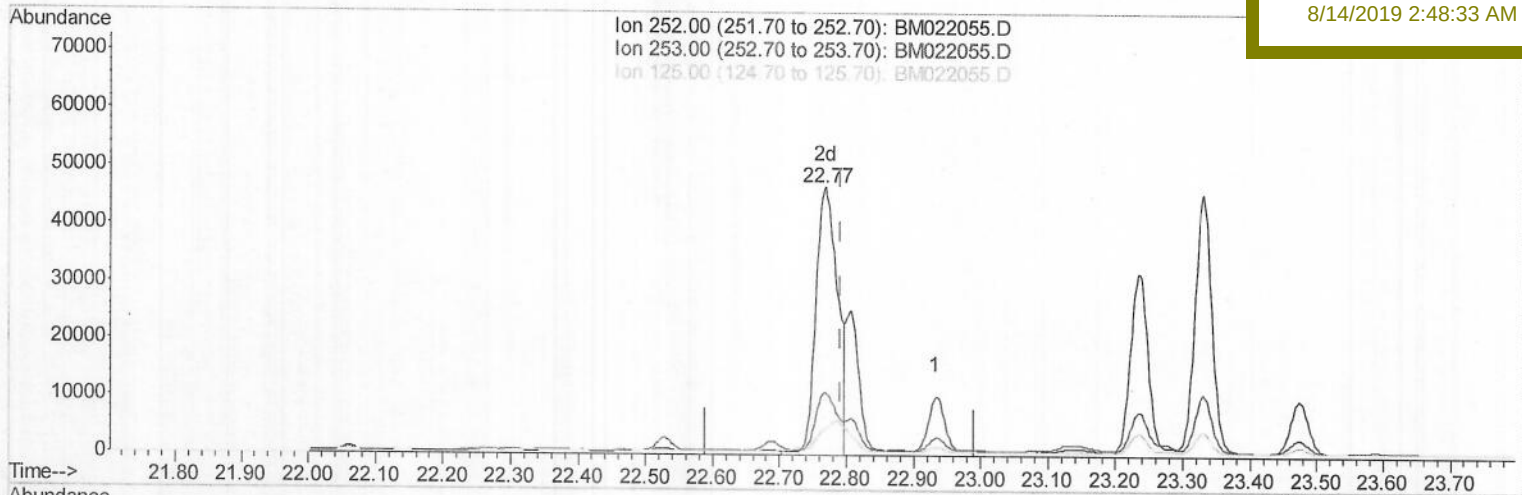
BENW6

Manual Integrations

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(21) Benzo(b)fluoranthene

22.769min (-0.022) 6.17ng/ul mJU
08/14/19

response 103923

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.39
125.00	15.50	9.79
0.00	0.00	0.00

Quantitation Report (Qedit)

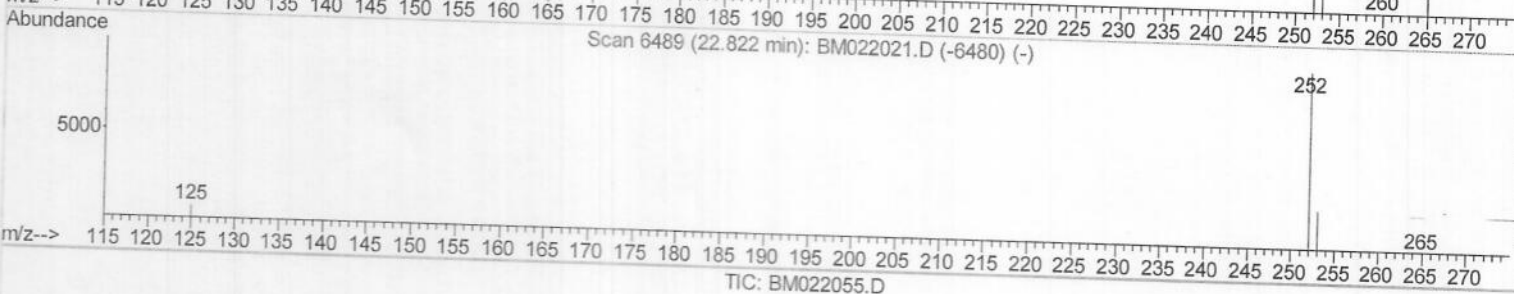
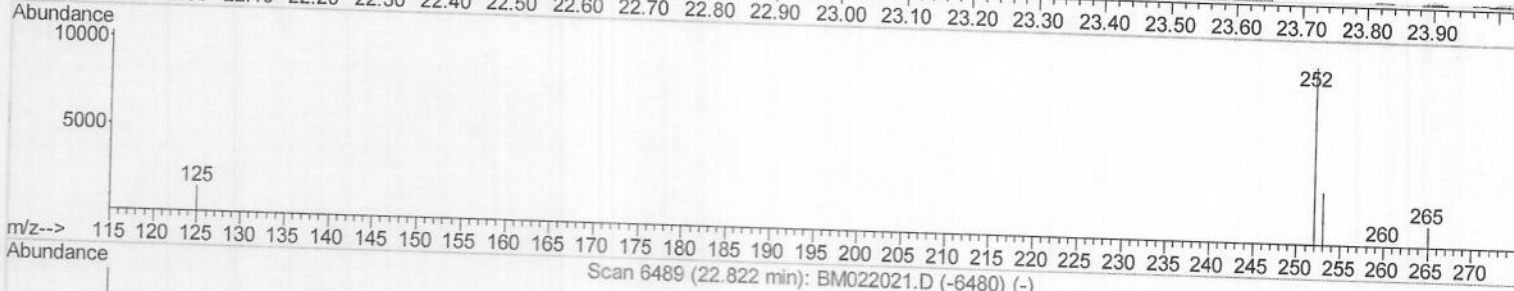
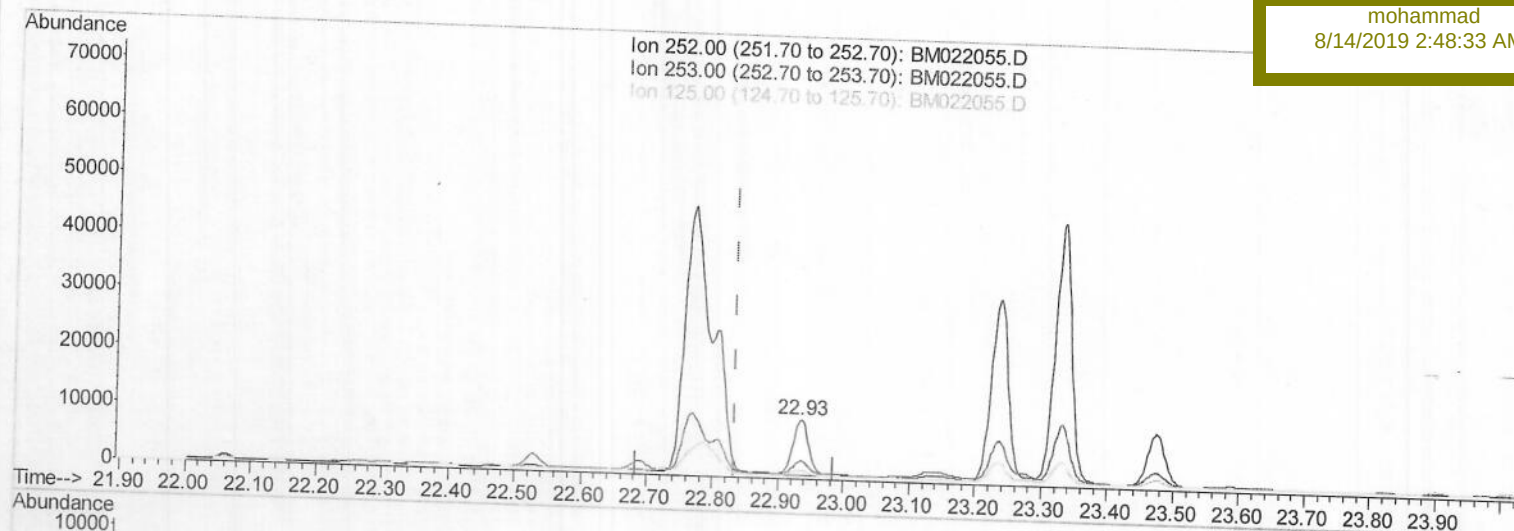
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6

Manual Integrations
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Quant Time: Aug 13 09:29:01 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



(22) Benzo(k)fluoranthene

22.934min (+0.099) 0.89ng/ul

response 16897

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.66
125.00	15.20	15.15
0.00	0.00	0.00

Quantitation Report (Qedit)

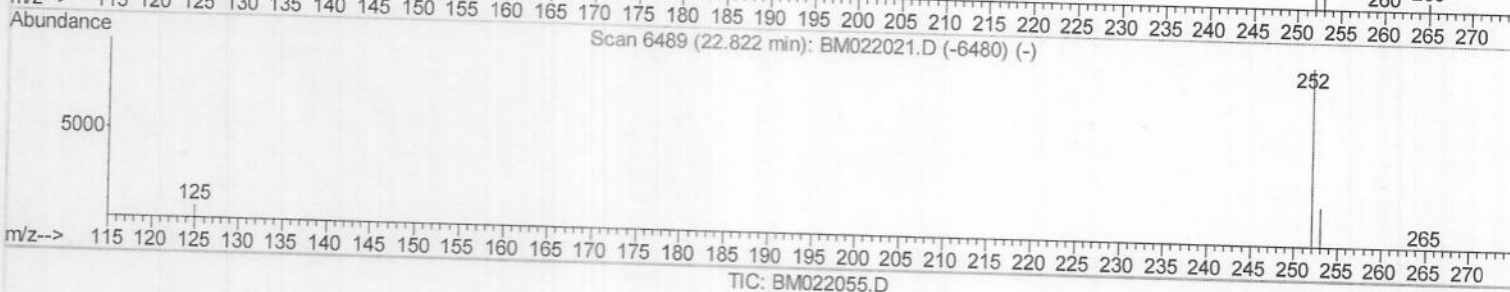
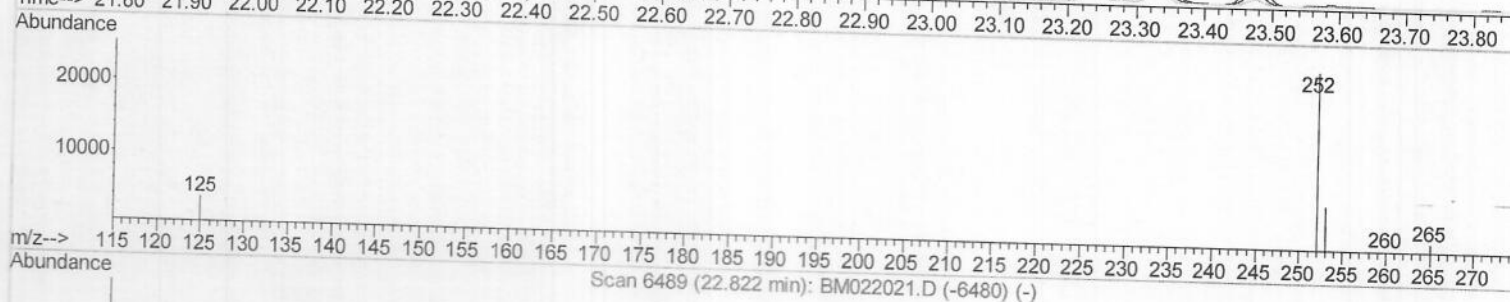
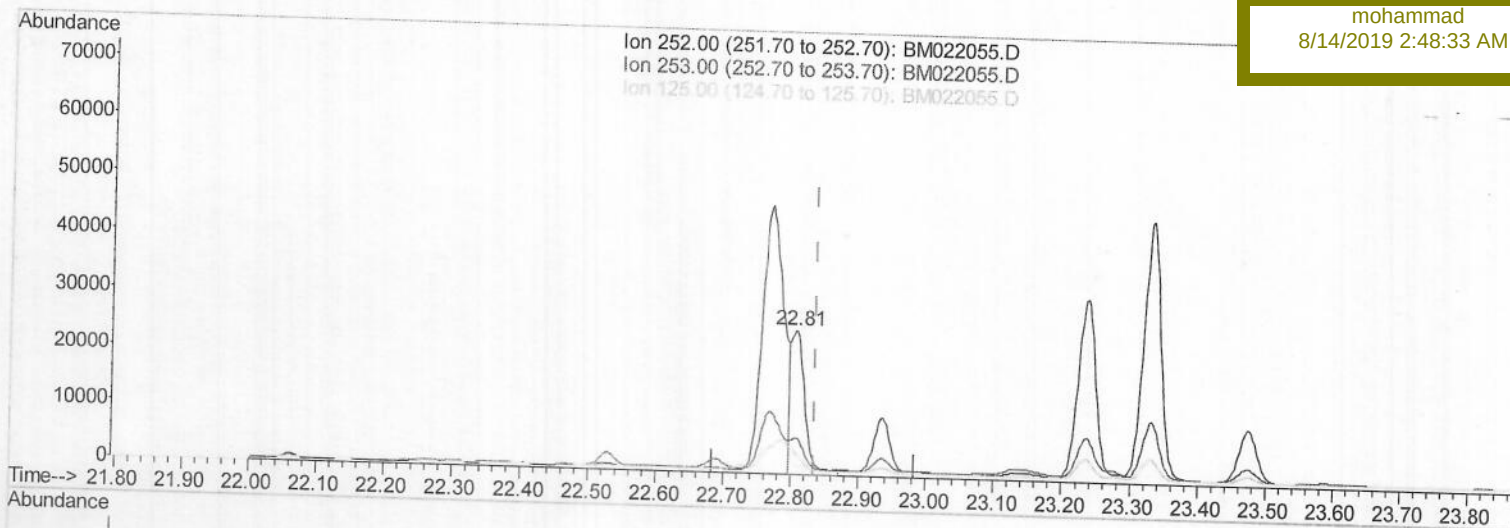
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
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 8/14/2019 2:48:33 AM



(22) Benzo(k)fluoranthene

22.808min (-0.027) 2.01ng/ul mJU
 08/14/19

response 38309

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	25.07#
125.00	15.20	14.03
0.00	0.00	0.00

Quantitation Report (Qedit)

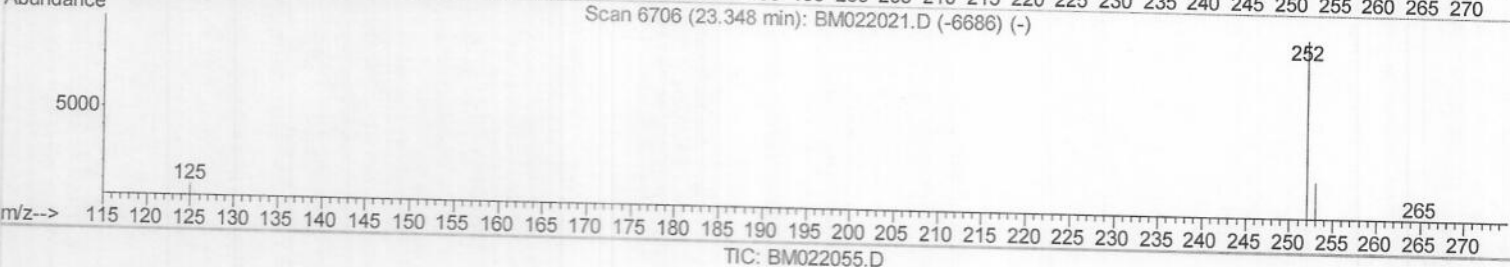
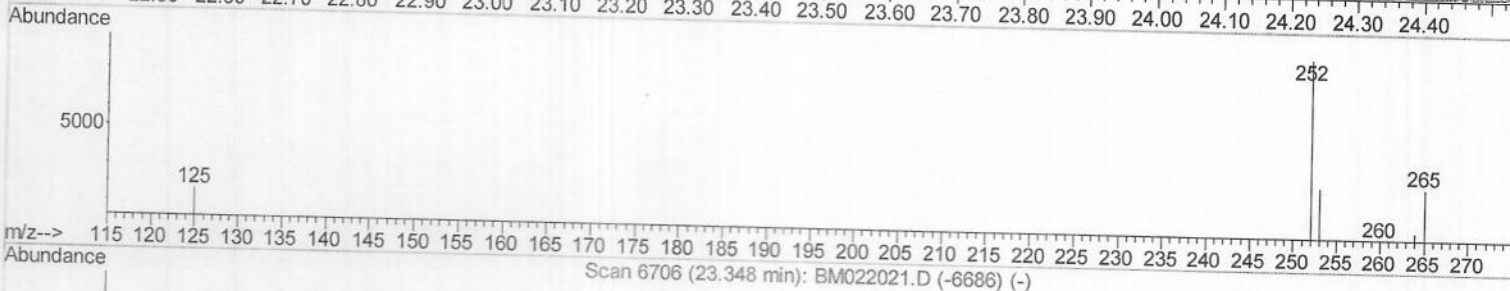
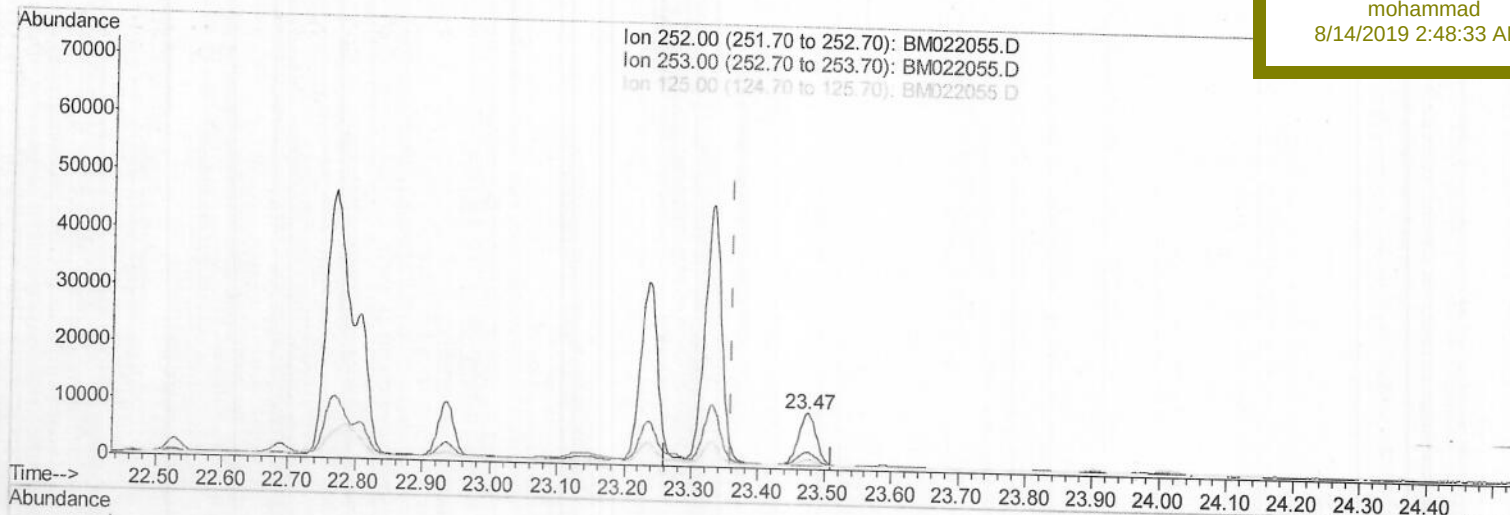
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
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(23) Benzo(a)pyrene (C)

23.474min (+0.114) 0.99ng/ul

response 16915

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	30.76#
125.00	18.20	17.11
0.00	0.00	0.00

Quantitation Report (Qedit)

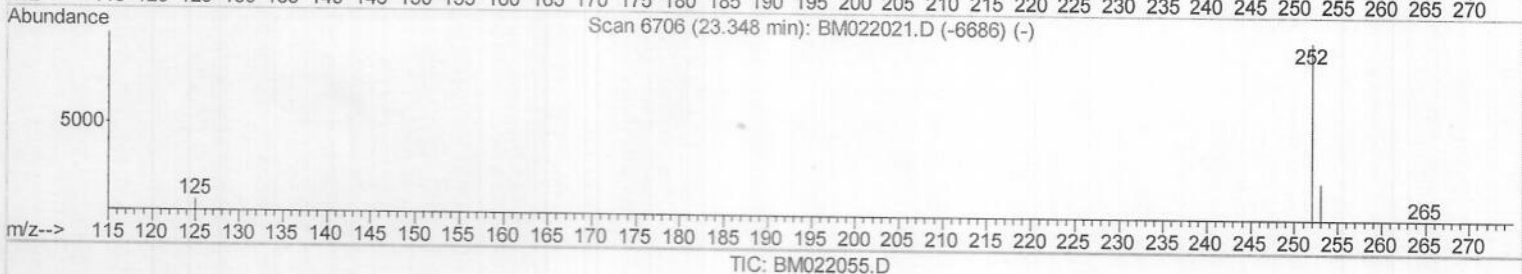
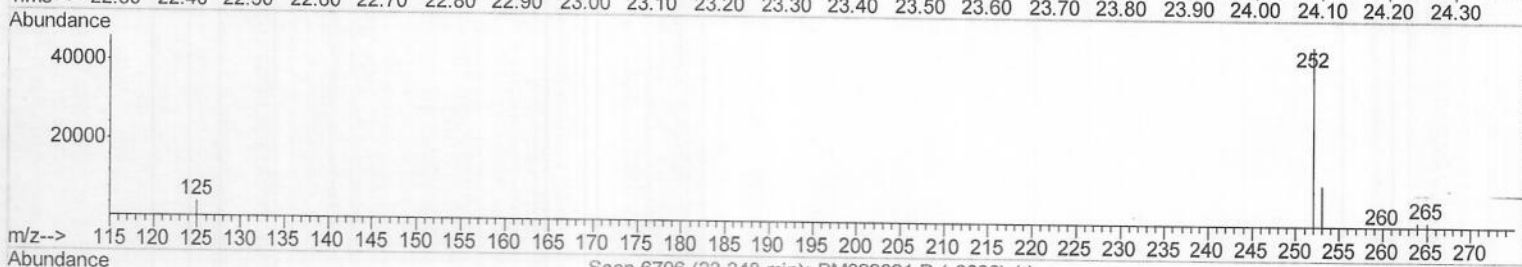
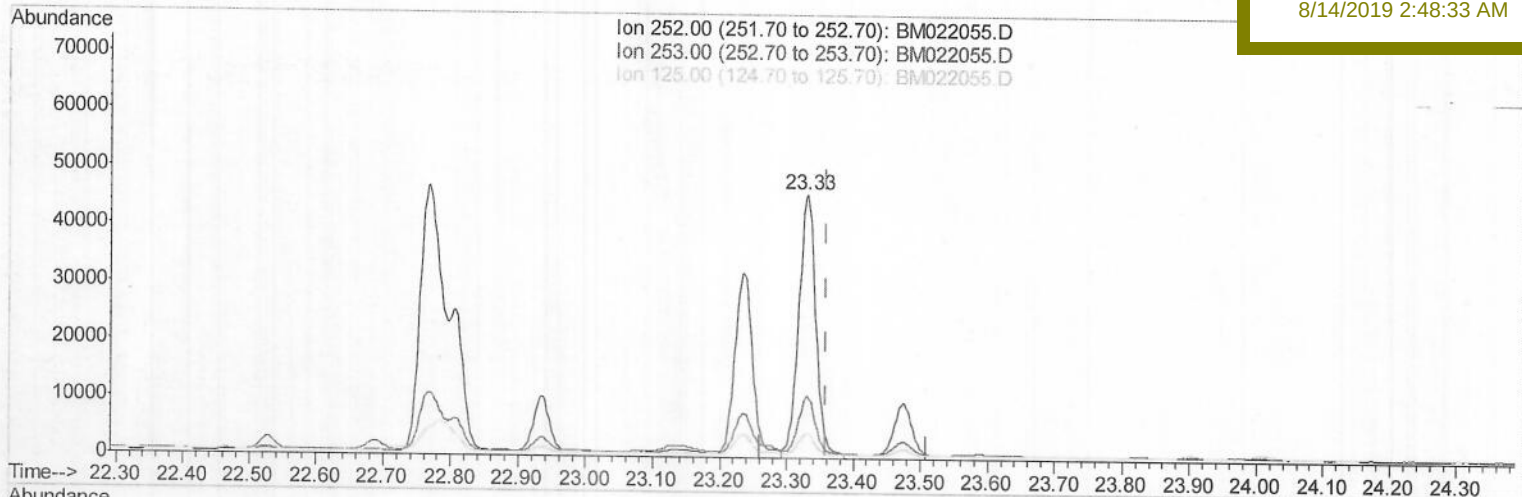
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
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(23) Benzo(a)pyrene (C)

23.331min (-0.029) 4.86ng/ul mJU
 08/14/19

response 83148

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	23.63#
125.00	18.20	9.34#
0.00	0.00	0.00

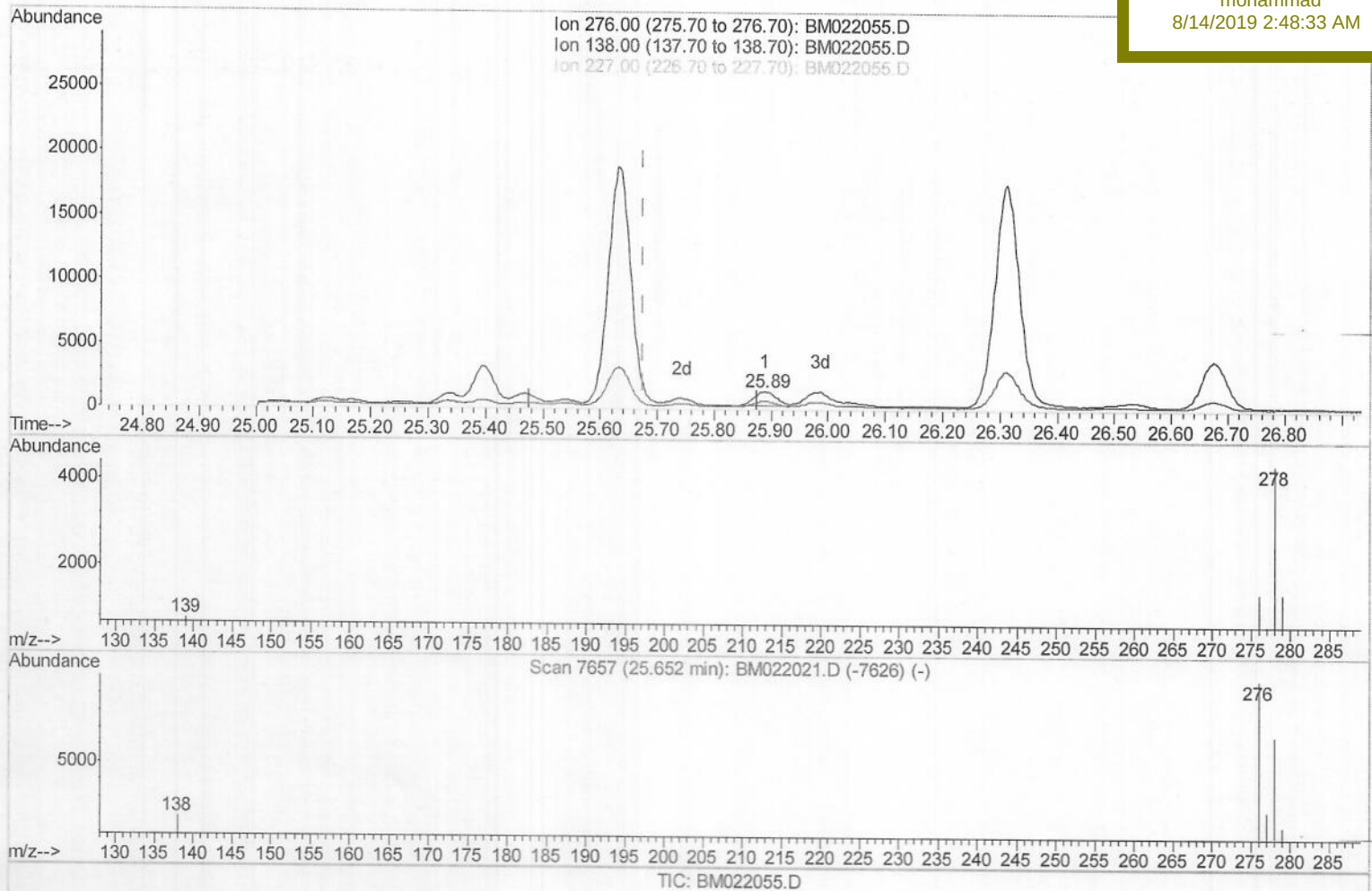
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022055.D
Acq On : 13 Aug 2019 05:57
Operator : HP/JU
Sample : K4041-13
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
BENW6

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:33 AM



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

25.889min (+0.213) 0.15ng/ul

response 3016

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	40.25#
227.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

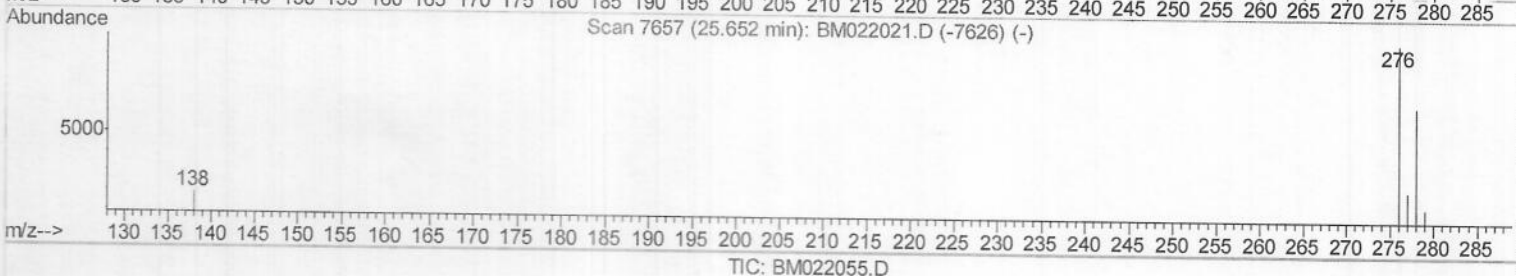
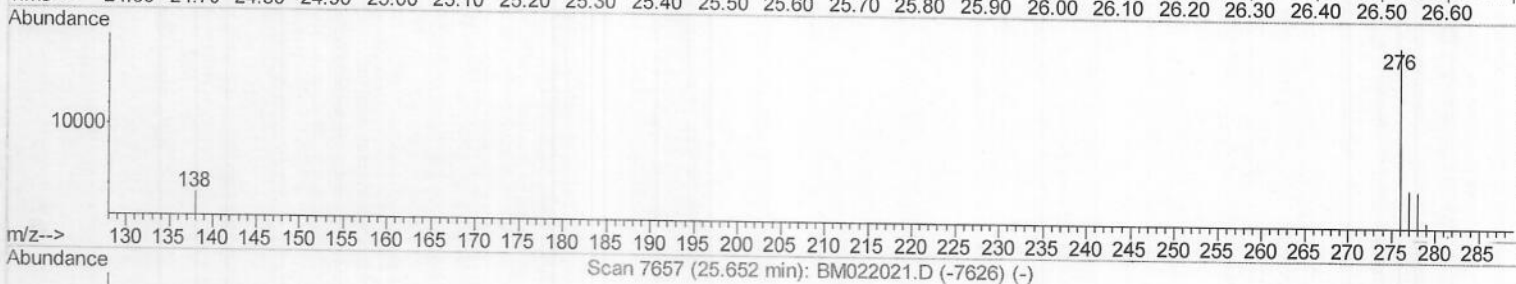
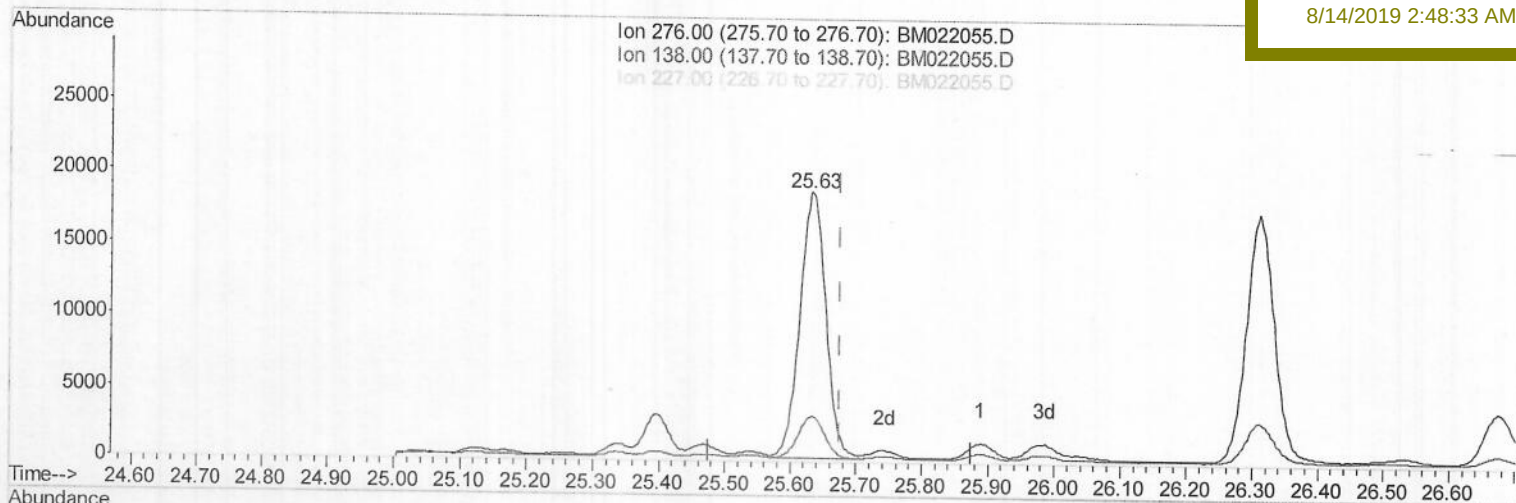
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
 APPROVED

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

25.633min (-0.044) 2.50ng/ul mJU
 08/14/19

response 51047

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	2.38#
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 : BM022055.D

Acq On : 13 Aug 2019 05:57

Operator : HP/JU

Sample : K4041-13

Misc :

ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :

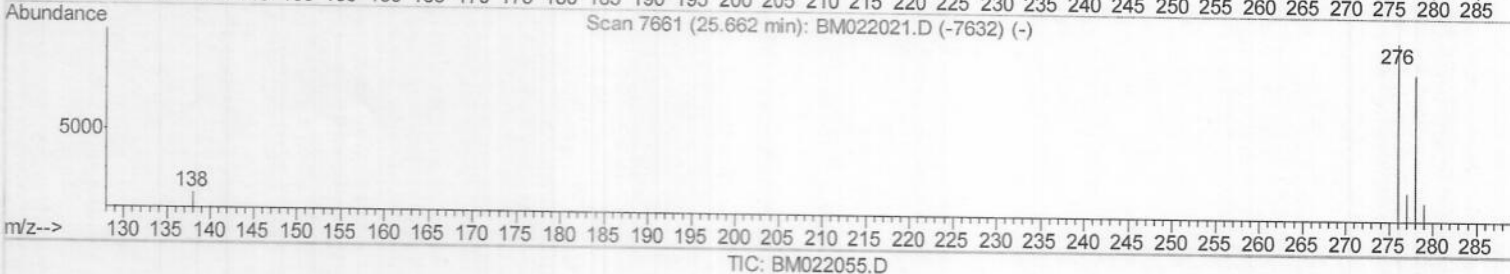
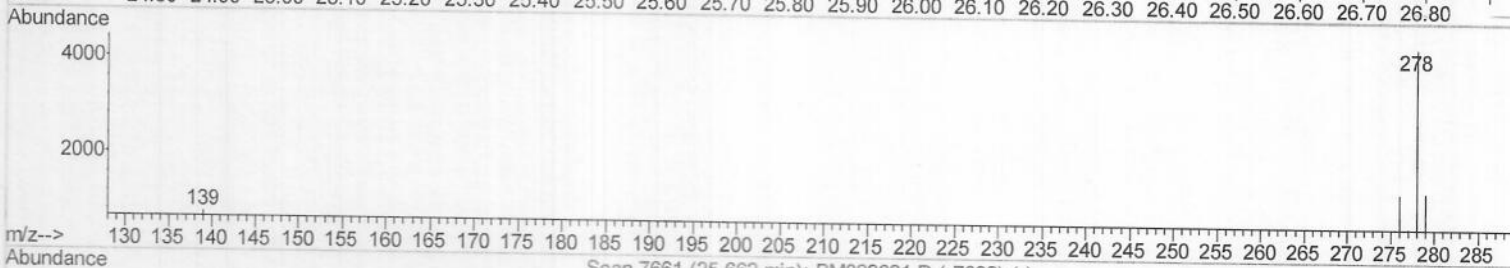
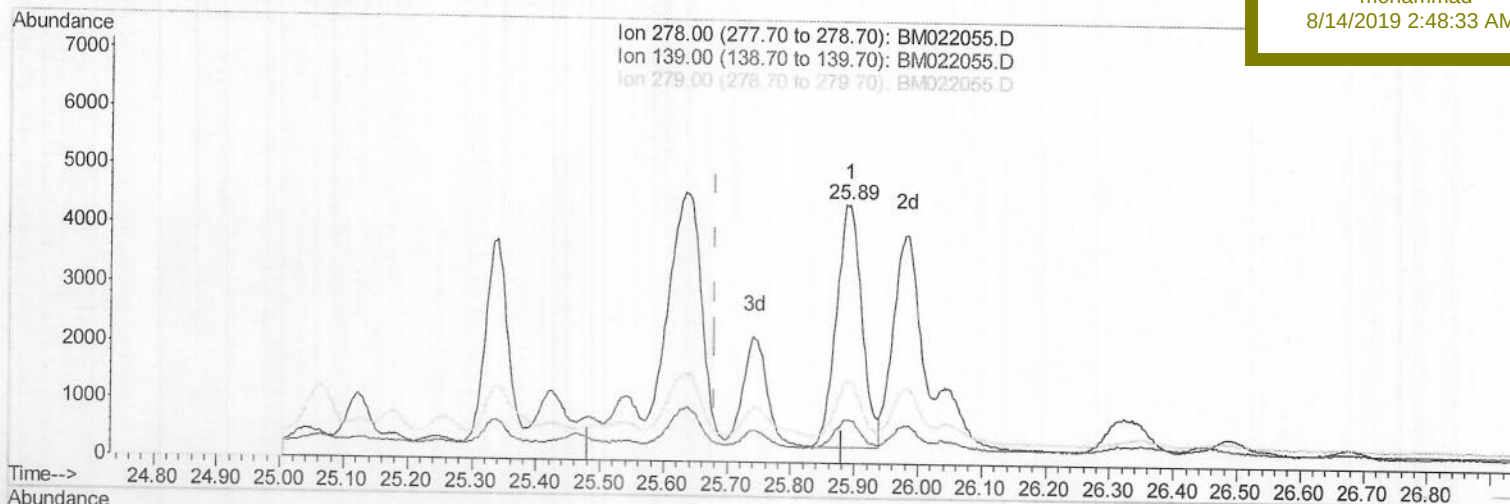
BENW6

Manual Integrations

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(25) Dibenzo(a,h)anthracene

25.892min (+0.211) 0.70ng/ul

response 11580

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	17.10
279.00	35.40	32.14
0.00	0.00	0.00

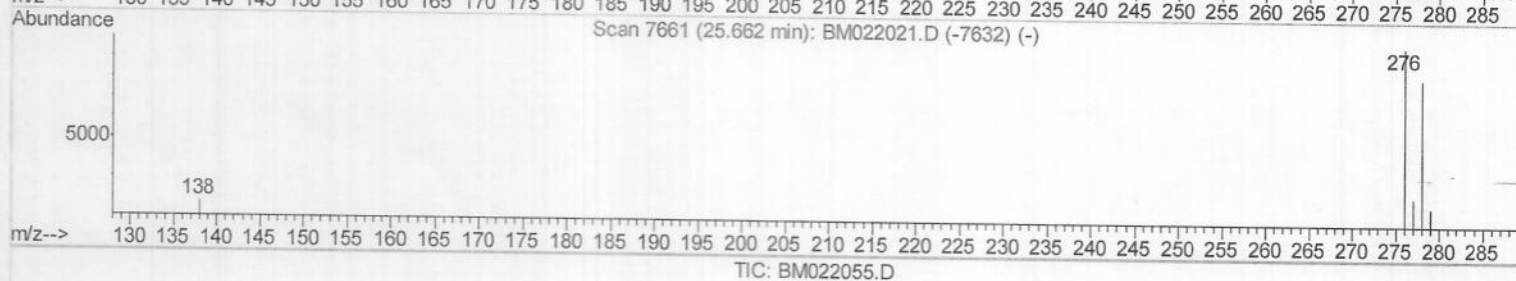
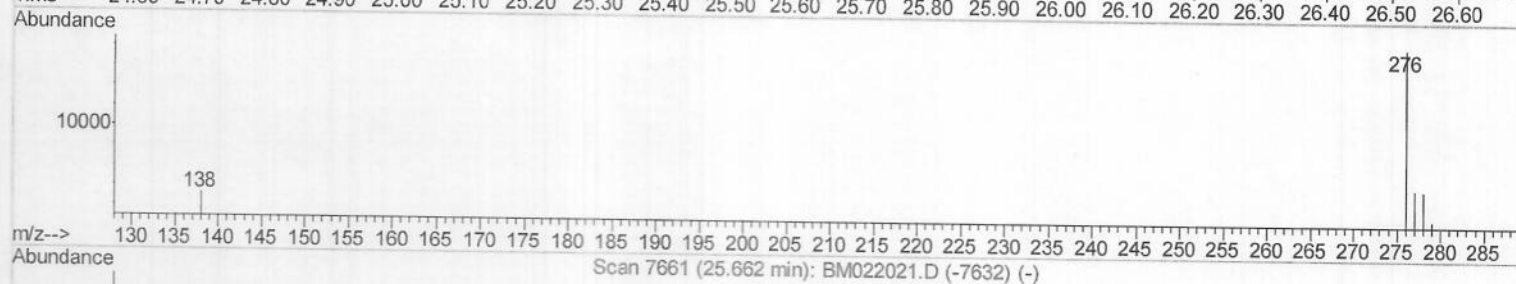
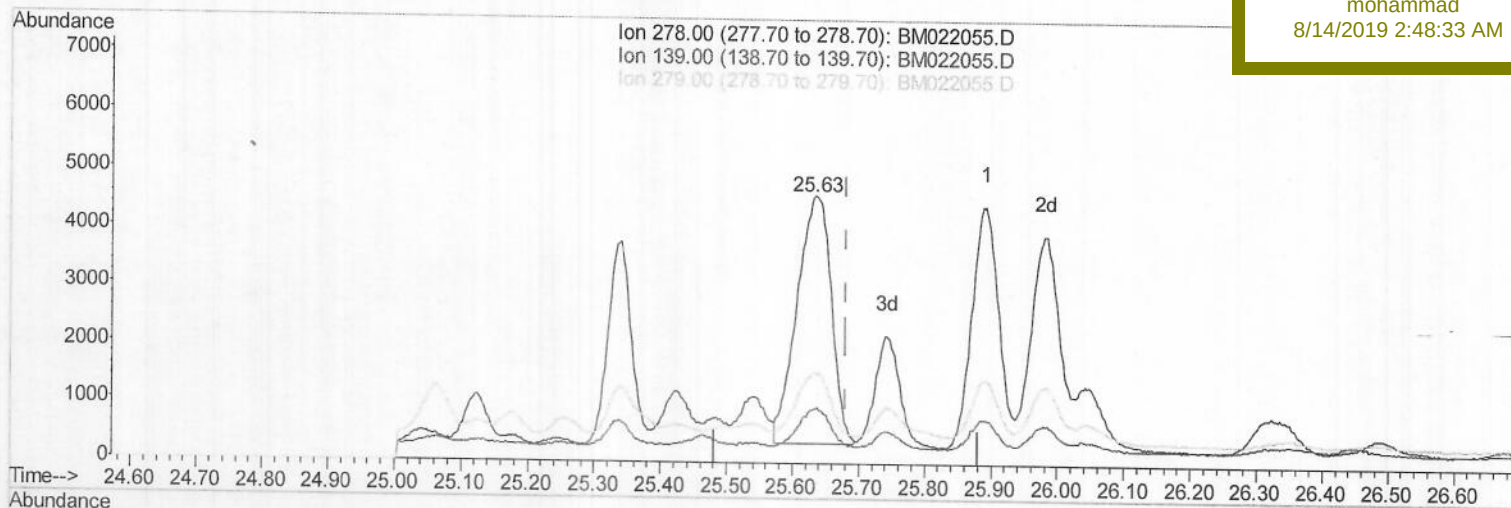
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022055.D
Acq On : 13 Aug 2019 05:57
Operator : HP/JU
Sample : K4041-13
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
BENW6

Manual Integrations
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8/14/2019 2:48:33 AM



(25) Dibenzo(a,h)anthracene

25.633min (-0.049) 0.93ng/ul m JU
08/14/19

response 15370

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	19.96
279.00	35.40	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

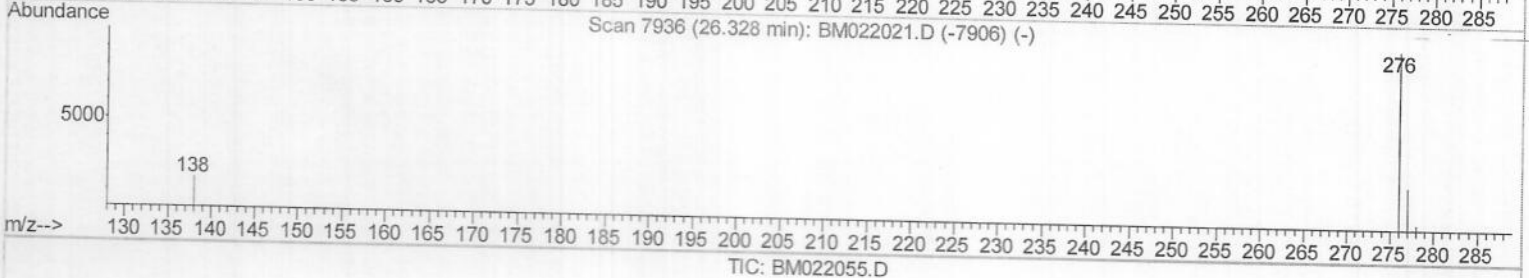
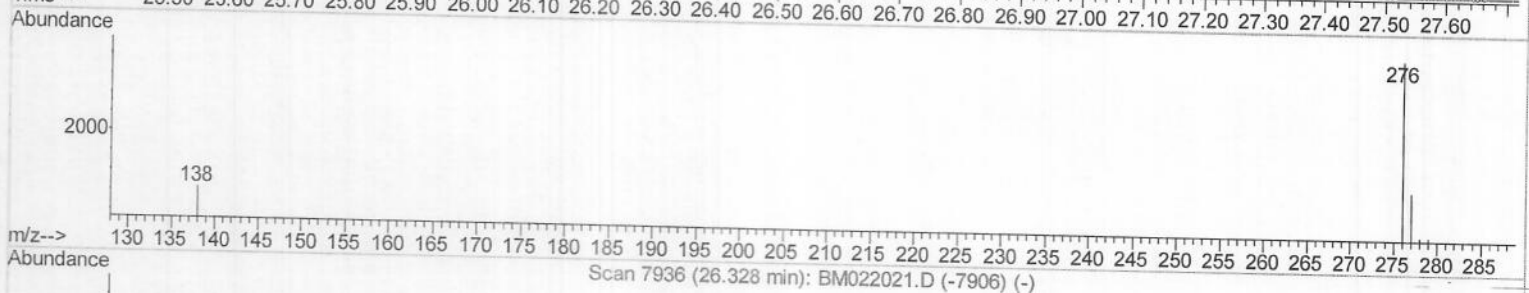
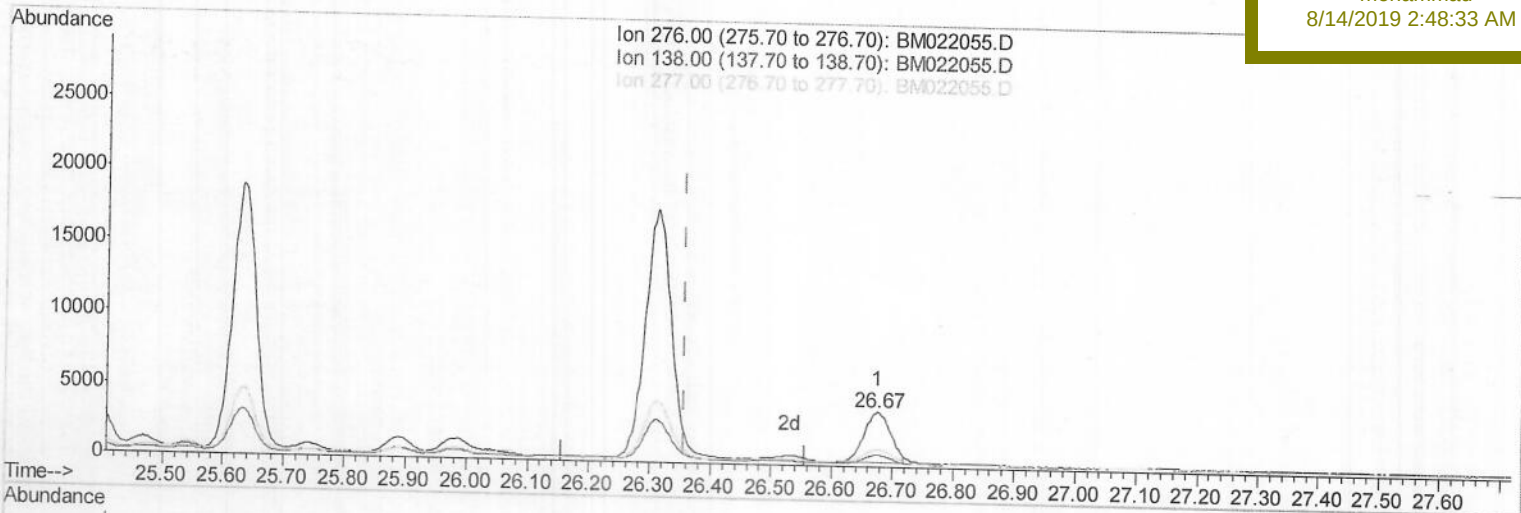
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
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mohammad
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(26) Benzo(g,h,i)perylene
 26.674min (+0.317) 0.58ng/ul
 response 10613

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	22.35
277.00	26.80	31.64
0.00	0.00	0.00

Quantitation Report (Qedit)

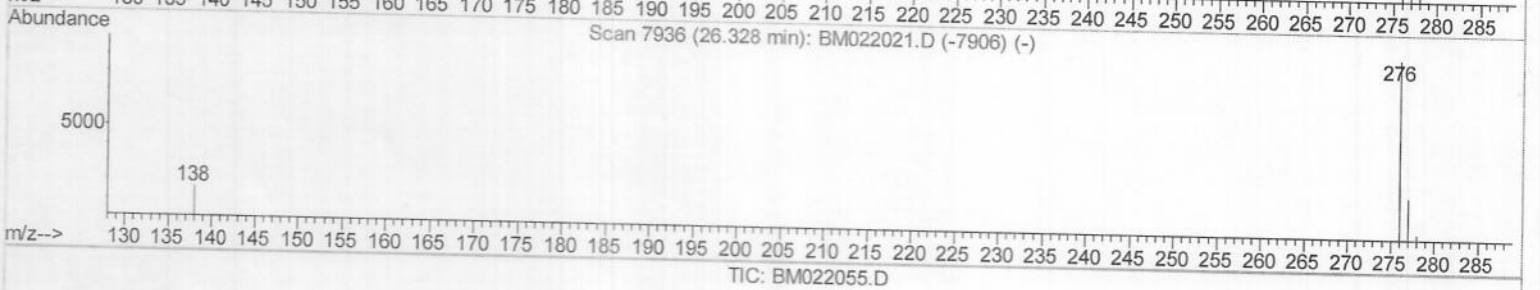
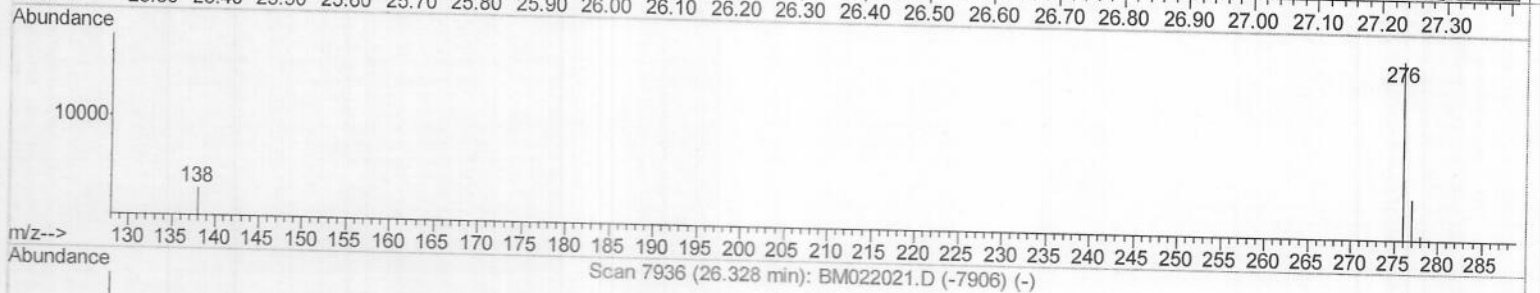
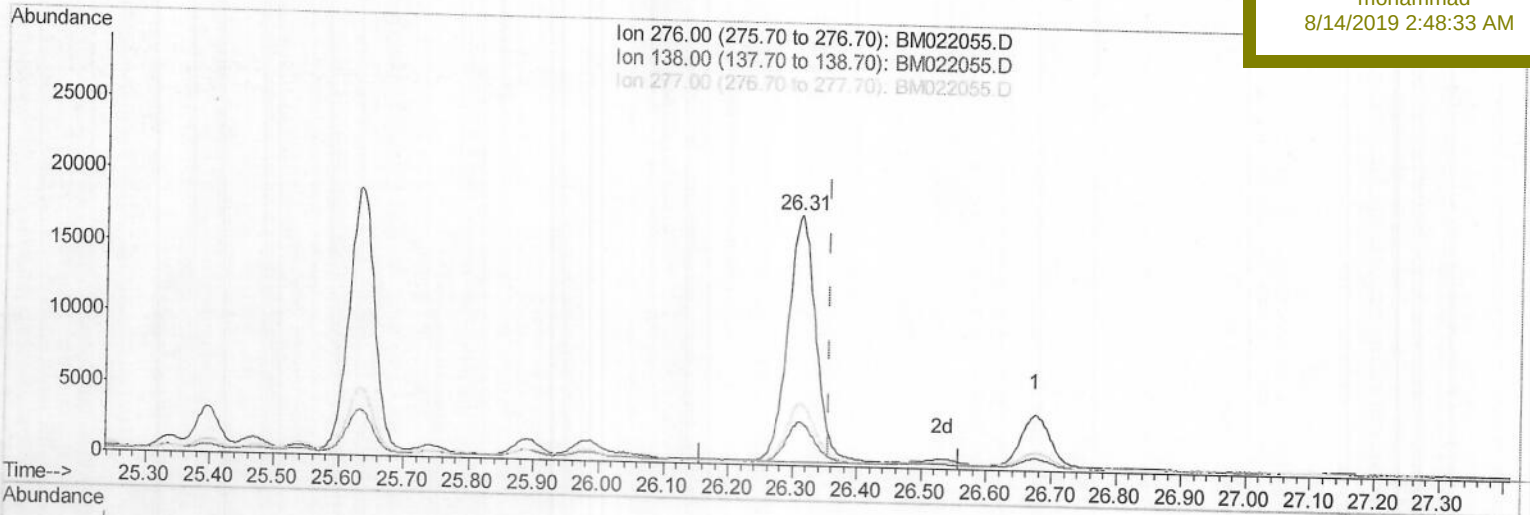
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 13 09:29:01 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 :
 BENW6

Manual Integrations
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mohammad
 8/14/2019 2:48:33 AM



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

26.311min (-0.046) 2.85ng/ul mJU
 08/14/19

response 52456

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	17.50
277.00	26.80	24.97
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022055.D
 Acq On : 13 Aug 2019 05:57
 Operator : HP/JU
 Sample : K4041-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 BENW6

Manual Integrations
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mohammad
 8/14/2019 2:48:33 AM

Quant Time: Aug 13 09:31:03 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	937	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	3805	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	2003	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4810m→	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4644m→	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	4993m→	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1140	0.18	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	3235m→	0.20	ng/ul	-0.02
Target Compounds						
3) Naphthalene	10.43	128	1924	0.179	ng/ul	100
5) 2-Methylnaphthalene	12.07	142	1104	0.154	ng/ul	99
7) Acenaphthylene	13.98	152	6139	0.657	ng/ul#	82
8) Acenaphthene	14.32	153	1430	0.187	ng/ul	96
9) Fluorene	15.32	166	2028	0.239	ng/ul	99
12) Phenanthrene	17.06	178	42166m→	3.013	ng/ul	99
13) Anthracene	17.15	178	11742m→	0.984	ng/ul	99
15) Fluoranthene	19.08	202	114030m→	6.082	ng/ul	99
17) Pyrene	19.45	202	132188	6.927	ng/ul	99
18) Benzo(a)anthracene	21.20	228	84508m→	5.087	ng/ul	99
19) Chrysene	21.26	228	86405	4.045	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	103923m→	6.172	ng/ul	99
22) Benzo(k)fluoranthene	22.81	252	38309m→	2.011	ng/ul	99
23) Benzo(a)pyrene	23.33	252	83148m→	4.856	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.63	276	51047m→	2.497	ng/ul	99
25) Dibenzo(a,h)anthracene	25.63	278	15370m→	0.930	ng/ul	99
26) Benzo(g,h,i)perylene	26.31	276	52456m→	2.850	ng/ul	99

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