

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022653.D
Acq On : 11 Sep 2019 12:38
Operator : HP/JU
Sample : K4706-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:14:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :

BNA_M

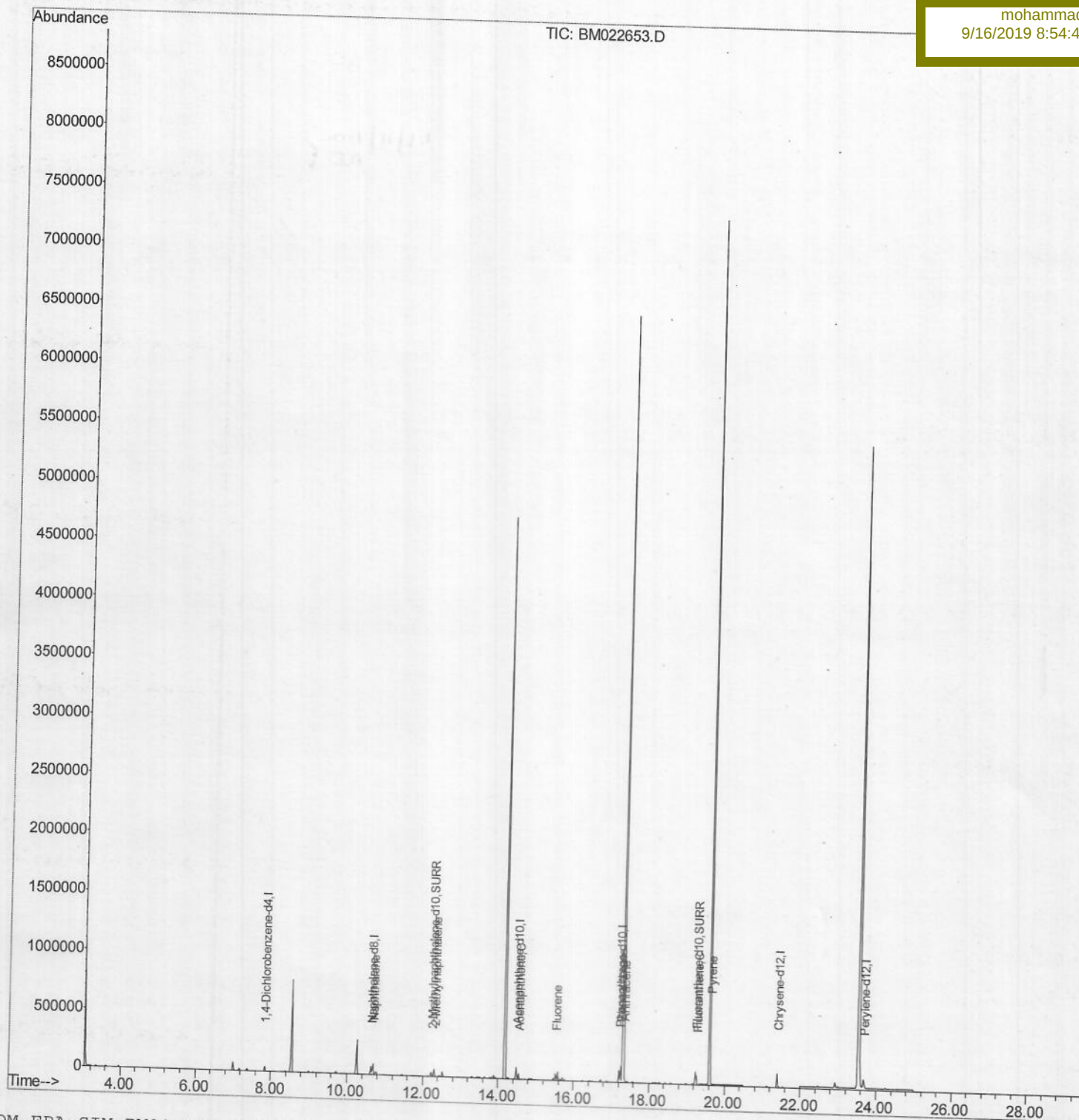
ClientSampleId :

BF571

Manual Integrations
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mohammad

9/16/2019 8:54:48 AM



Quantitation Report (Qedit)

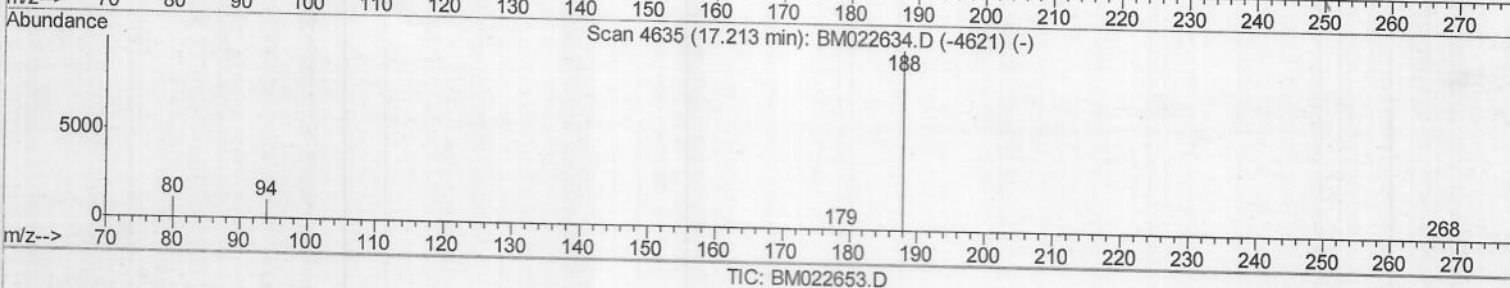
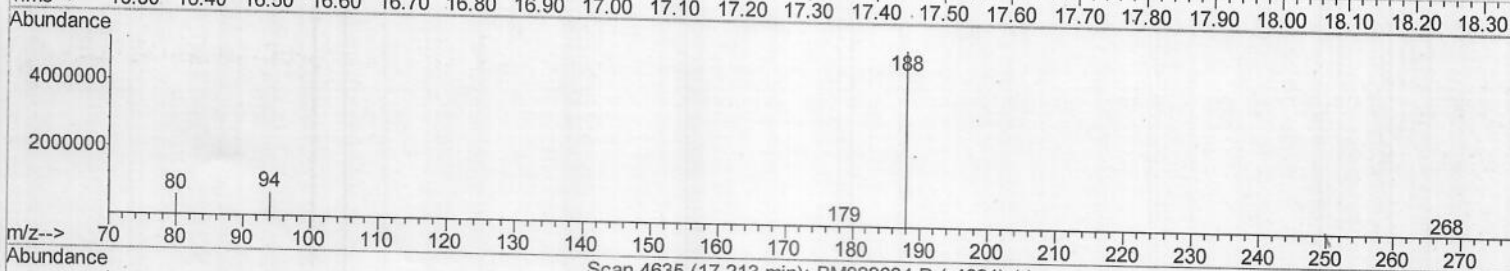
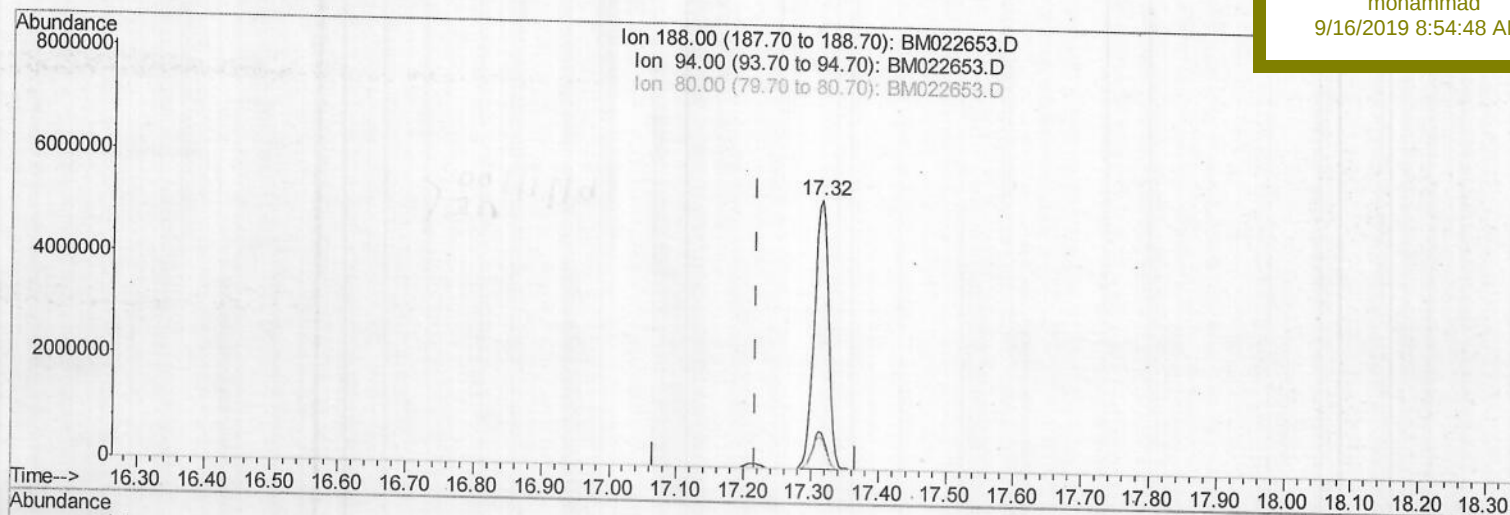
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Manual Integrations
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(10) Phenanthrene-d10 (I)
 17.315min (+0.099) 0.40ng/ul
 response 7672184

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	13.16#
80.00	11.00	11.44
0.00	0.00	0.00

Quantitation Report (Qedit)

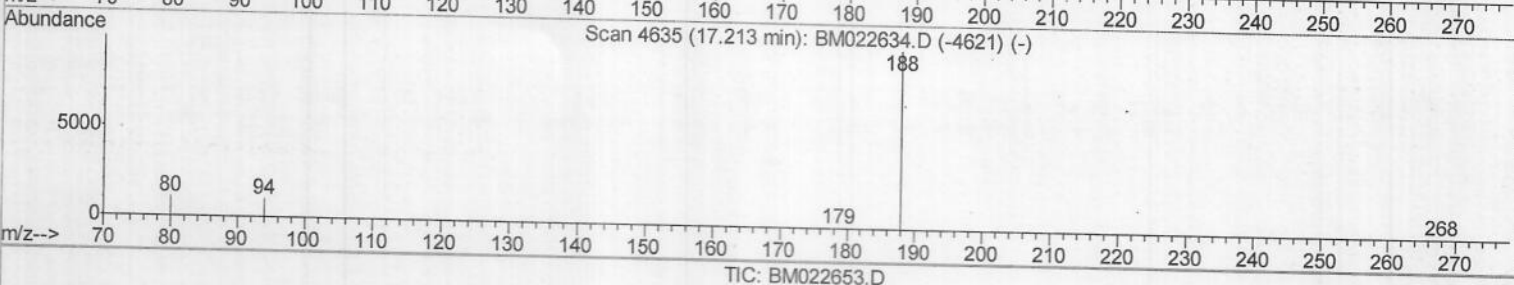
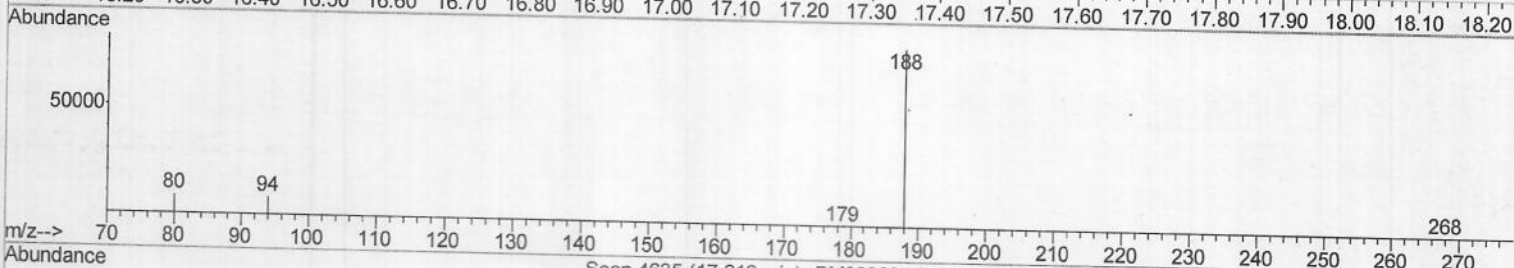
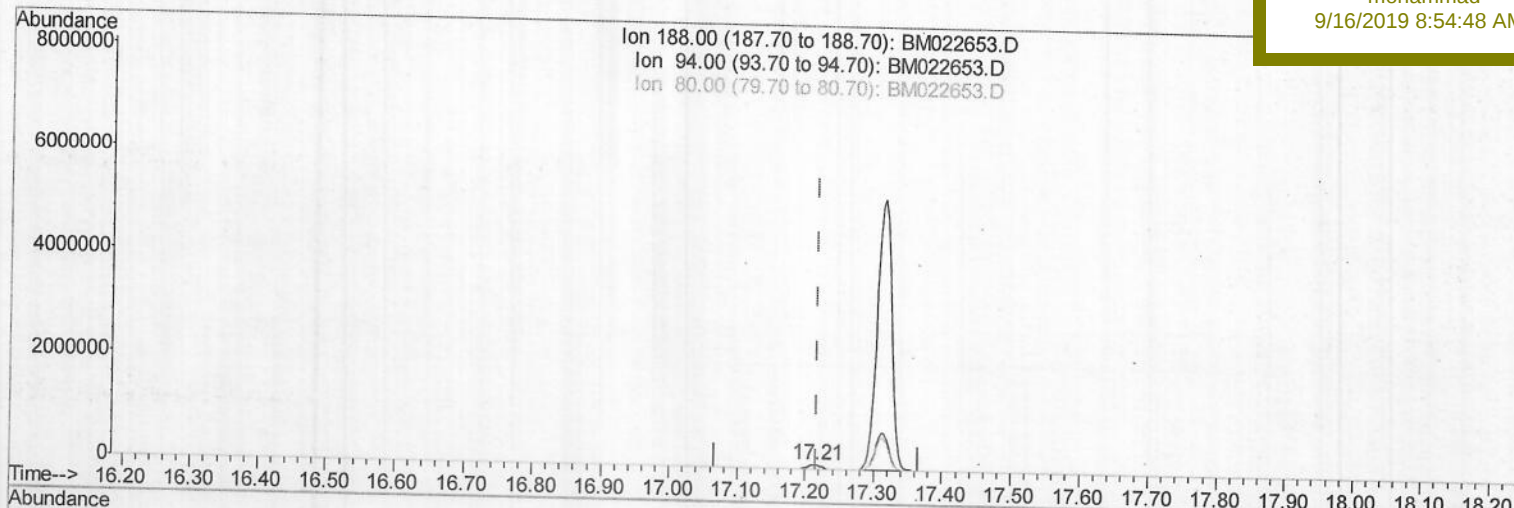
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:48 AM



(10) Phenanthrene-d10 (I)

17.214min (-0.002) 0.40ng/ul m > JU 09/24/29

response 113658

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	9.98
80.00	11.00	10.60
0.00	0.00	0.00

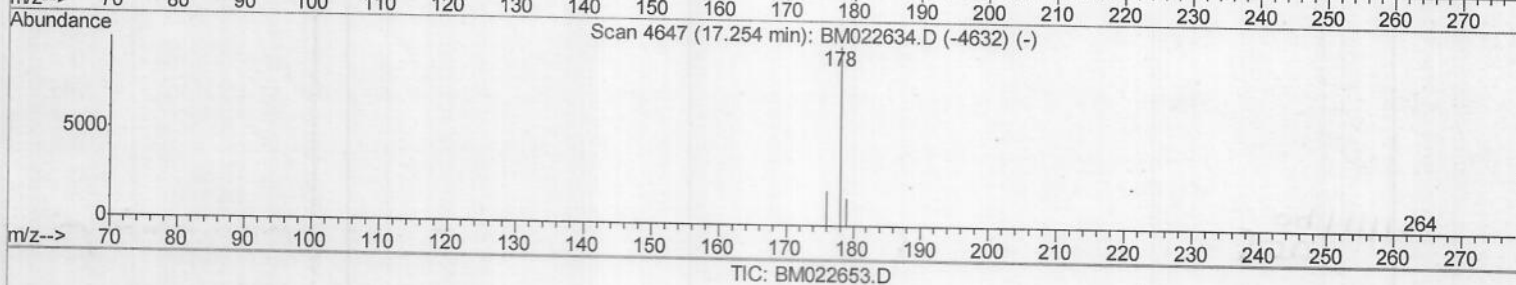
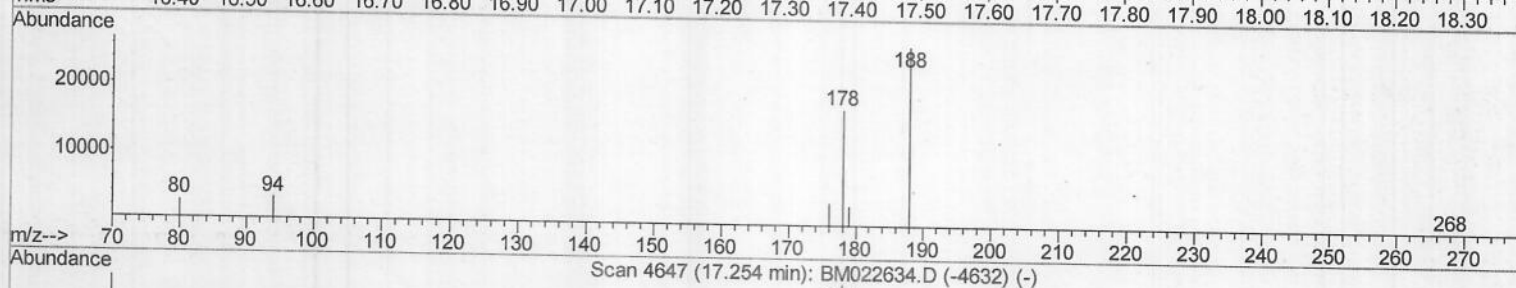
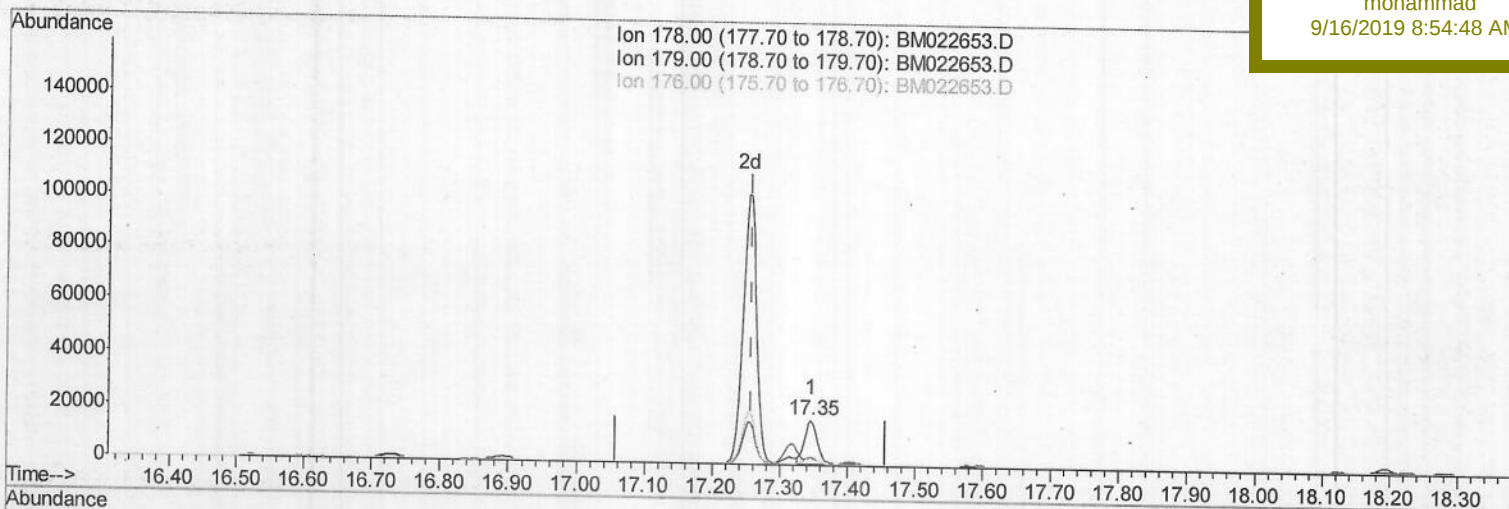
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022653.D
Acq On : 11 Sep 2019 12:38
Operator : HP/JU
Sample : K4706-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF571

Manual Integrations
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(12) Phenanthrene

17.346min (+0.088) 0.06ng/ul

response 22503

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	17.58
176.00	19.10	19.66
0.00	0.00	0.00

Quantitation Report (Qedit)

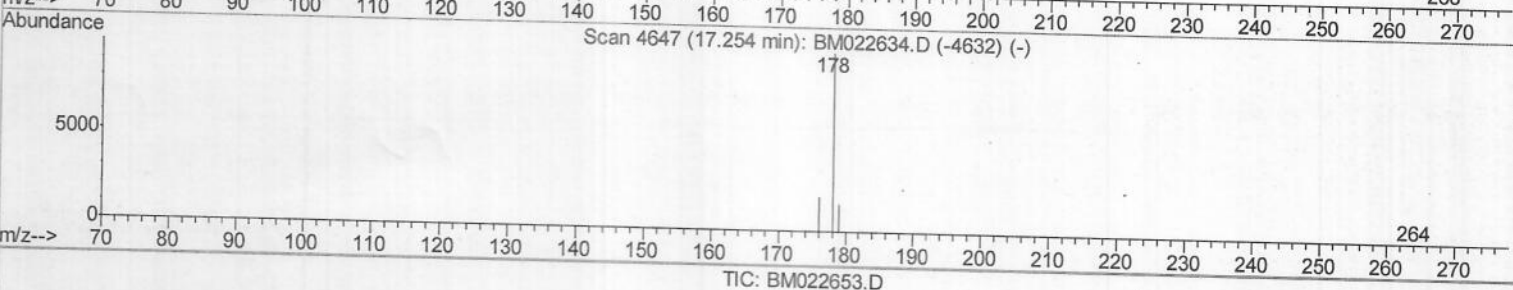
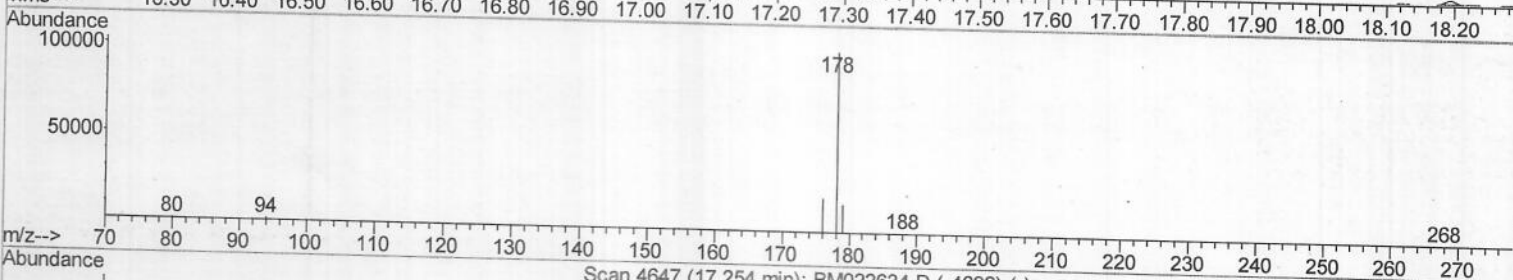
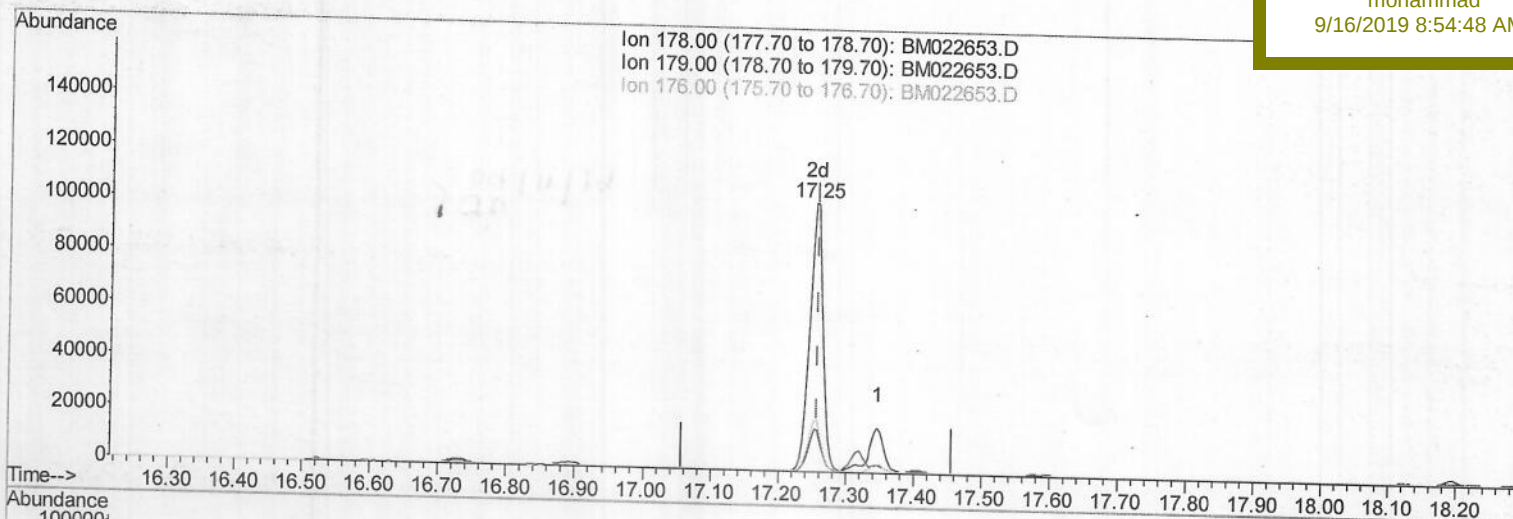
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:48 AM



(12) Phenanthrene

17.253min (-0.005) 0.40ng/ul m > JU 09/24/19

response 143577

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.72
176.00	19.10	19.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

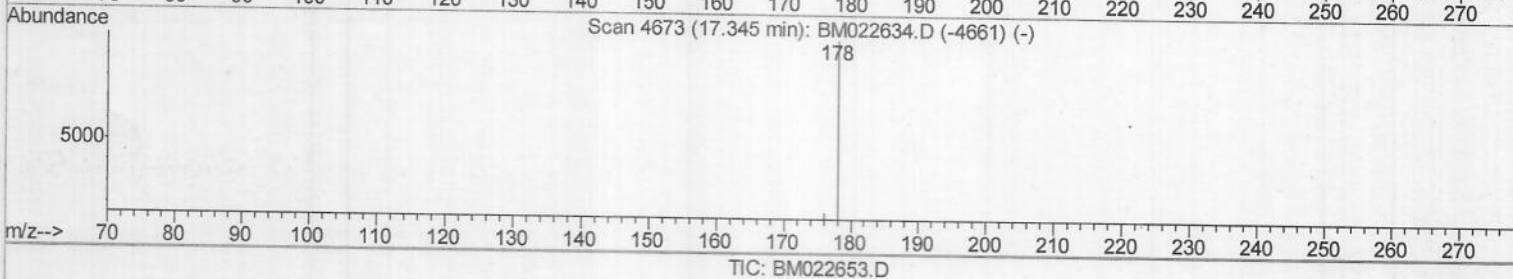
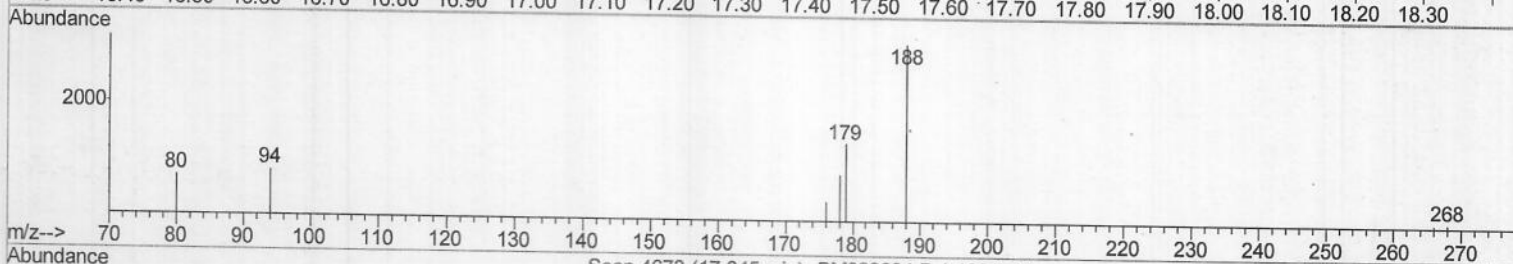
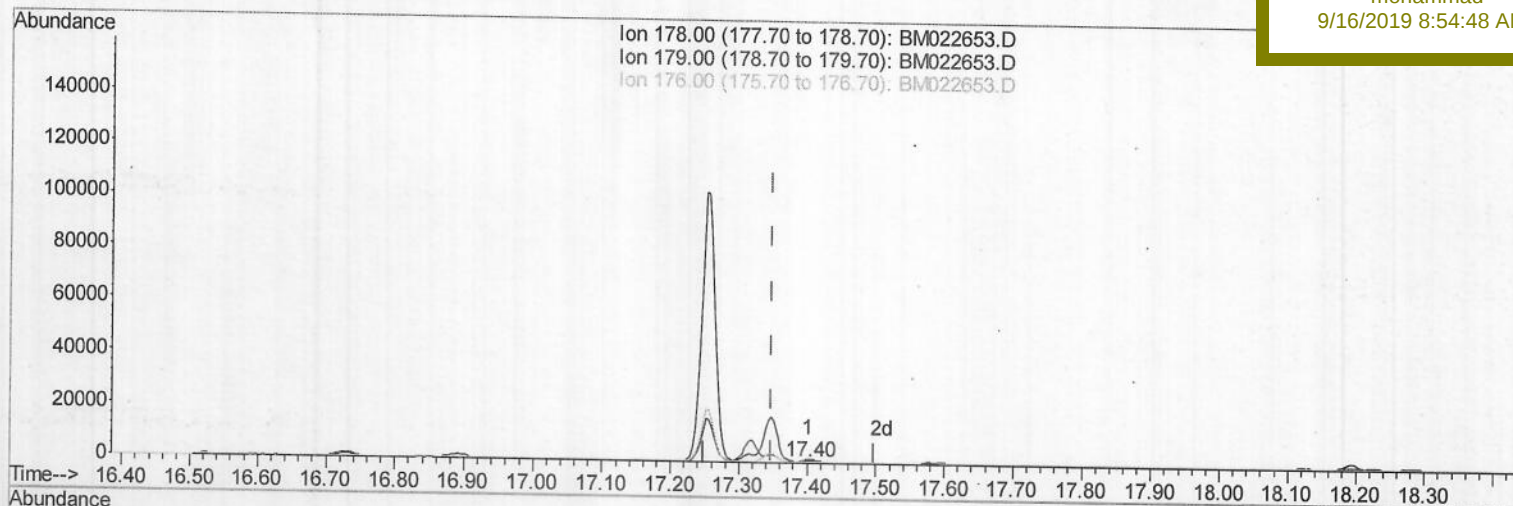
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF571

Manual Integrations
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(13) Anthracene

17.402min (+0.054) 0.00ng/ul

response 661

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	163.37#
176.00	18.50	47.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

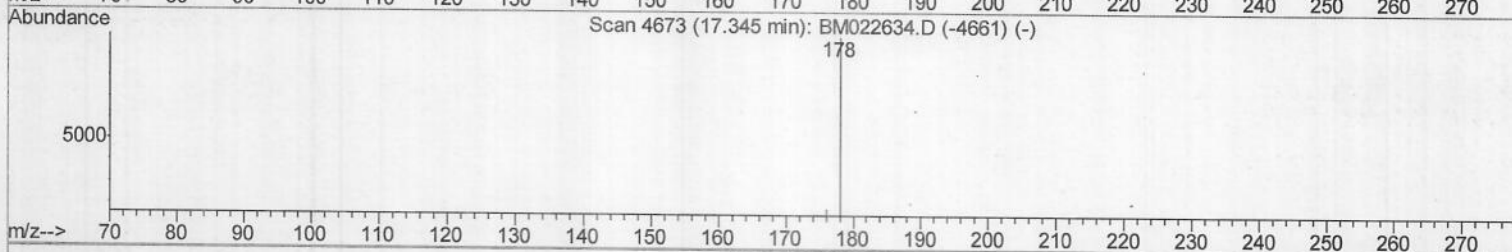
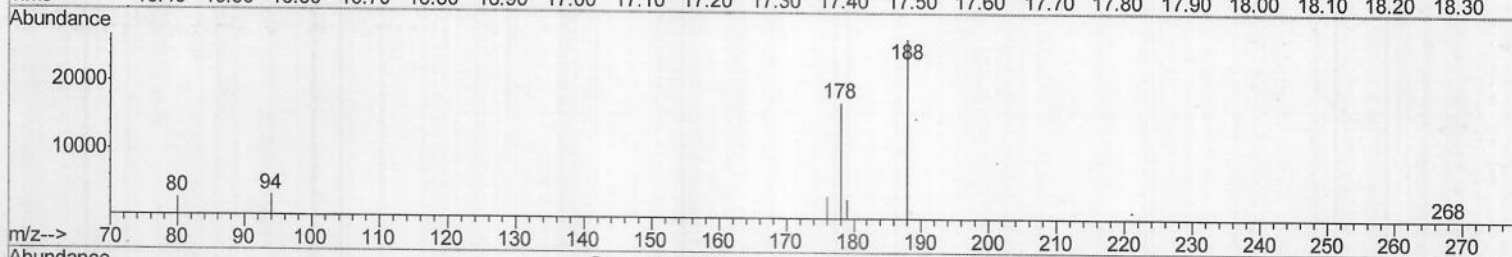
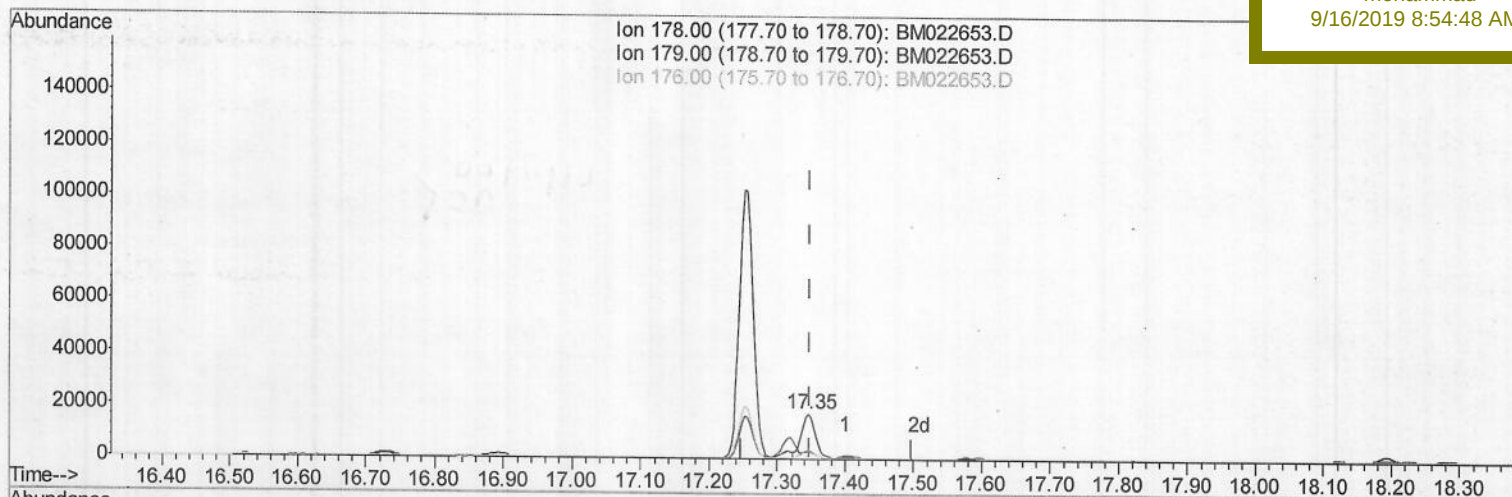
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF571

Manual Integrations
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9/16/2019 8:54:48 AM

TIC: BM022653.D

(13) Anthracene

17.346min (-0.002) 0.08ng/ul m

JU 09/24/19

response 25064

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	17.58
176.00	18.50	19.66
0.00	0.00	0.00

Quantitation Report (Qedit)

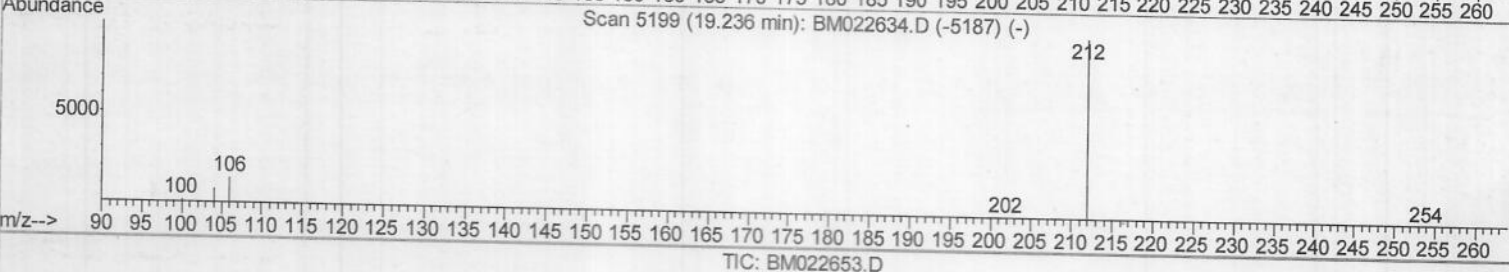
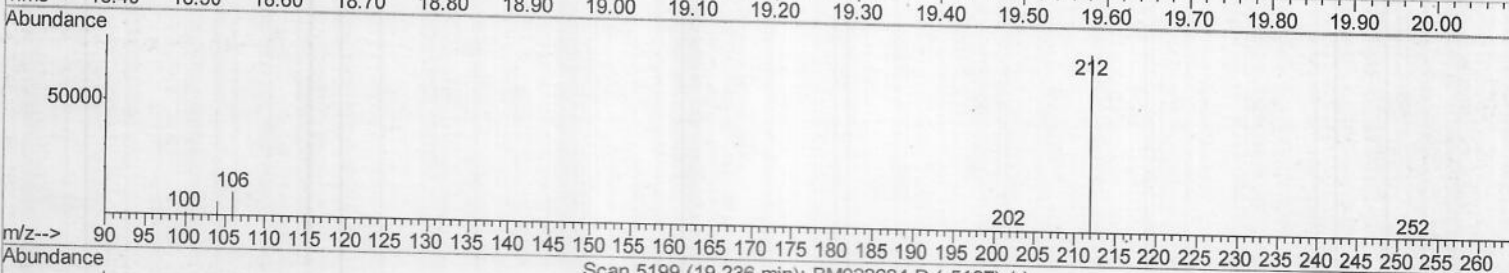
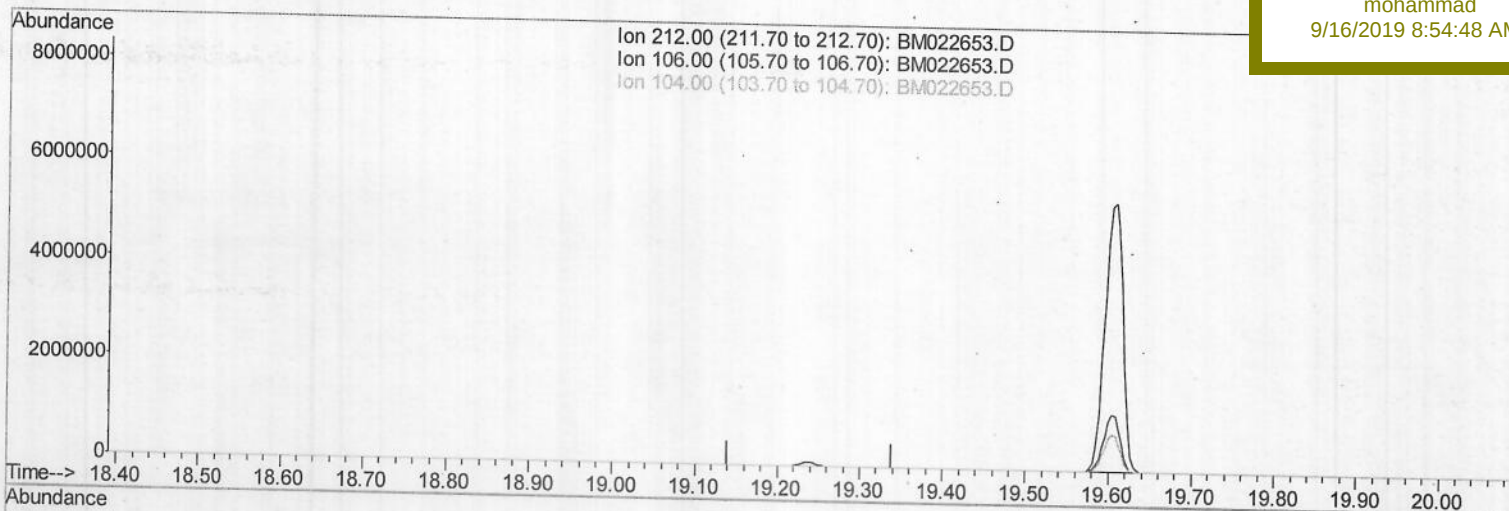
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 BF571

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

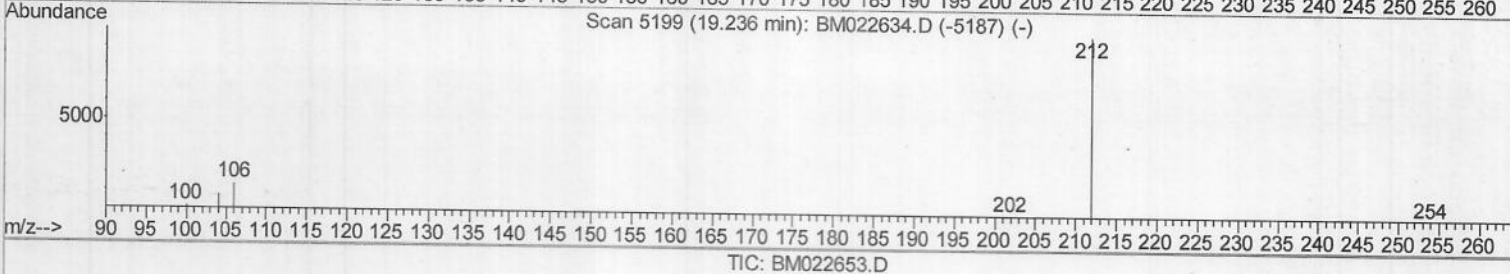
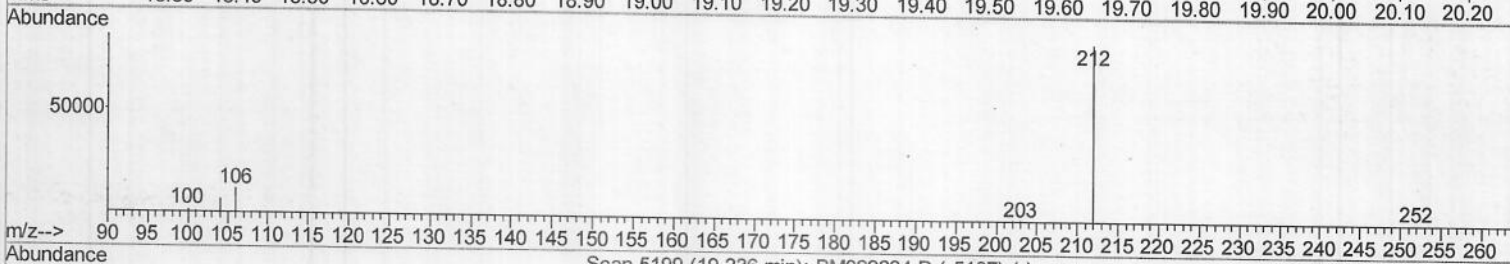
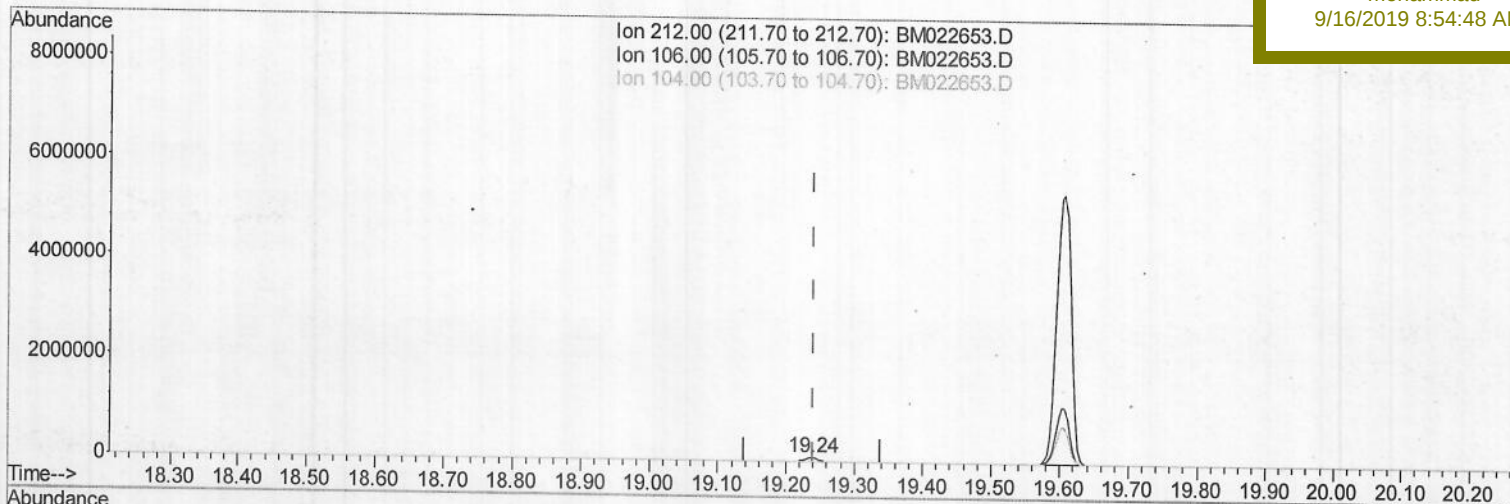
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:48 AM



(14) Fluoranthene-d10 (SURR)

19.237min (-0.002) 0.35ng/ul m *γ JU 09/14/19*

response 107735

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

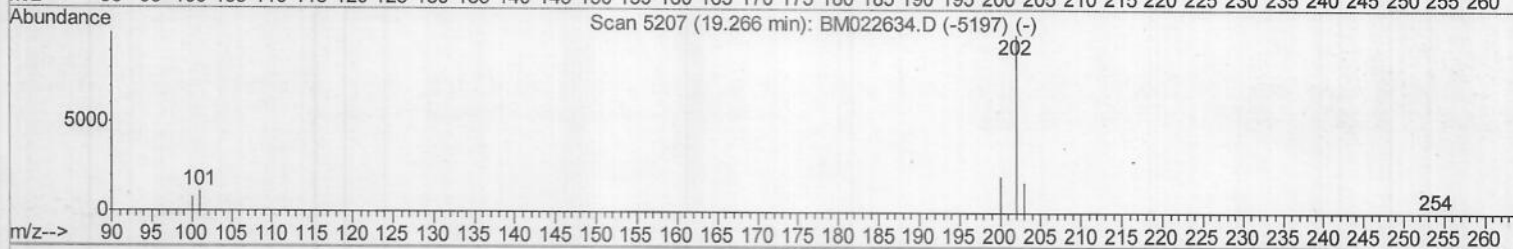
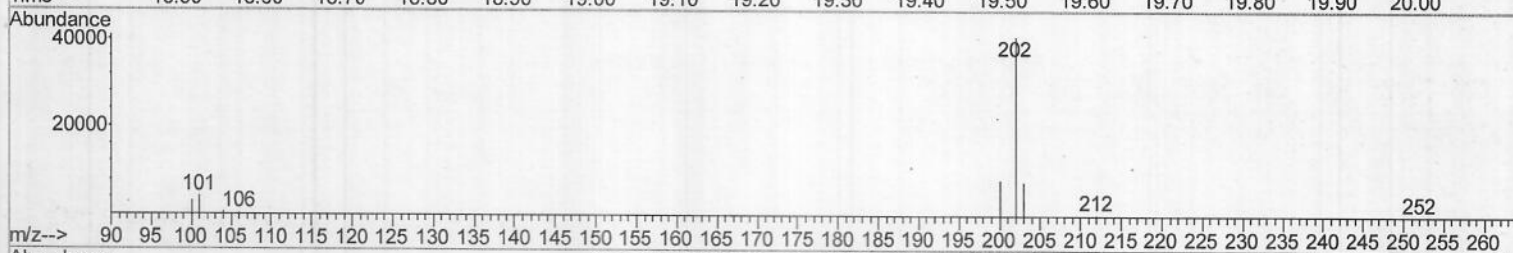
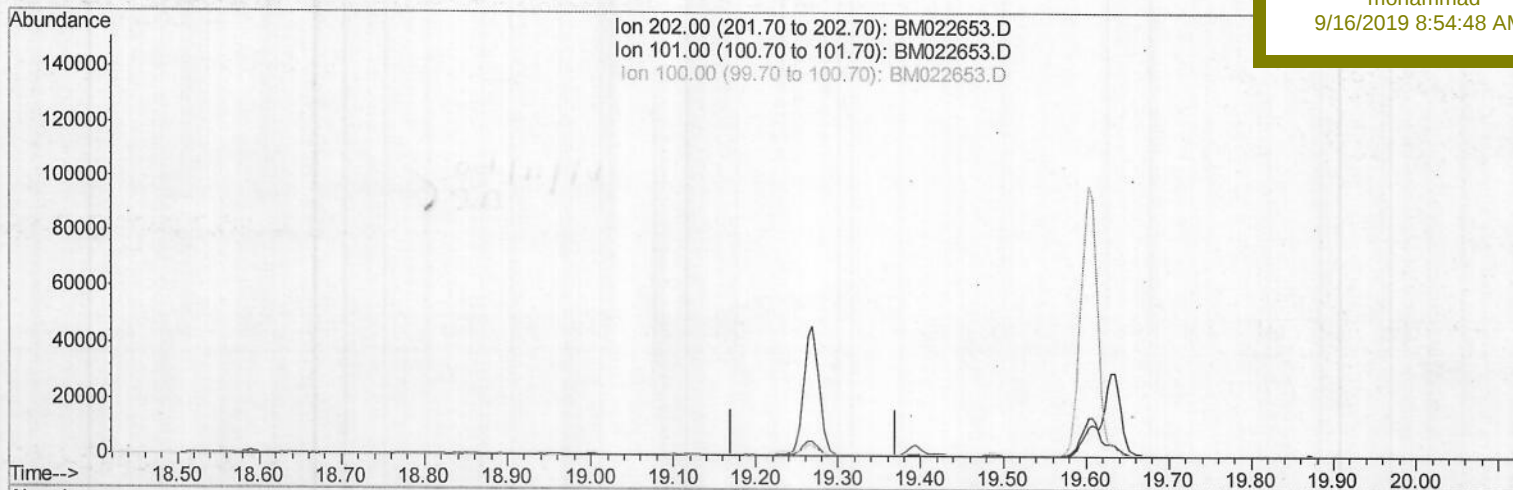
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022653.D
Acq On : 11 Sep 2019 12:38
Operator : HP/JU
Sample : K4706-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF571

Manual Integrations
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TIC: BM022653.D

(15) Fluoranthene (C)

19.270min (-19.270) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.50	0.00
100.00	8.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

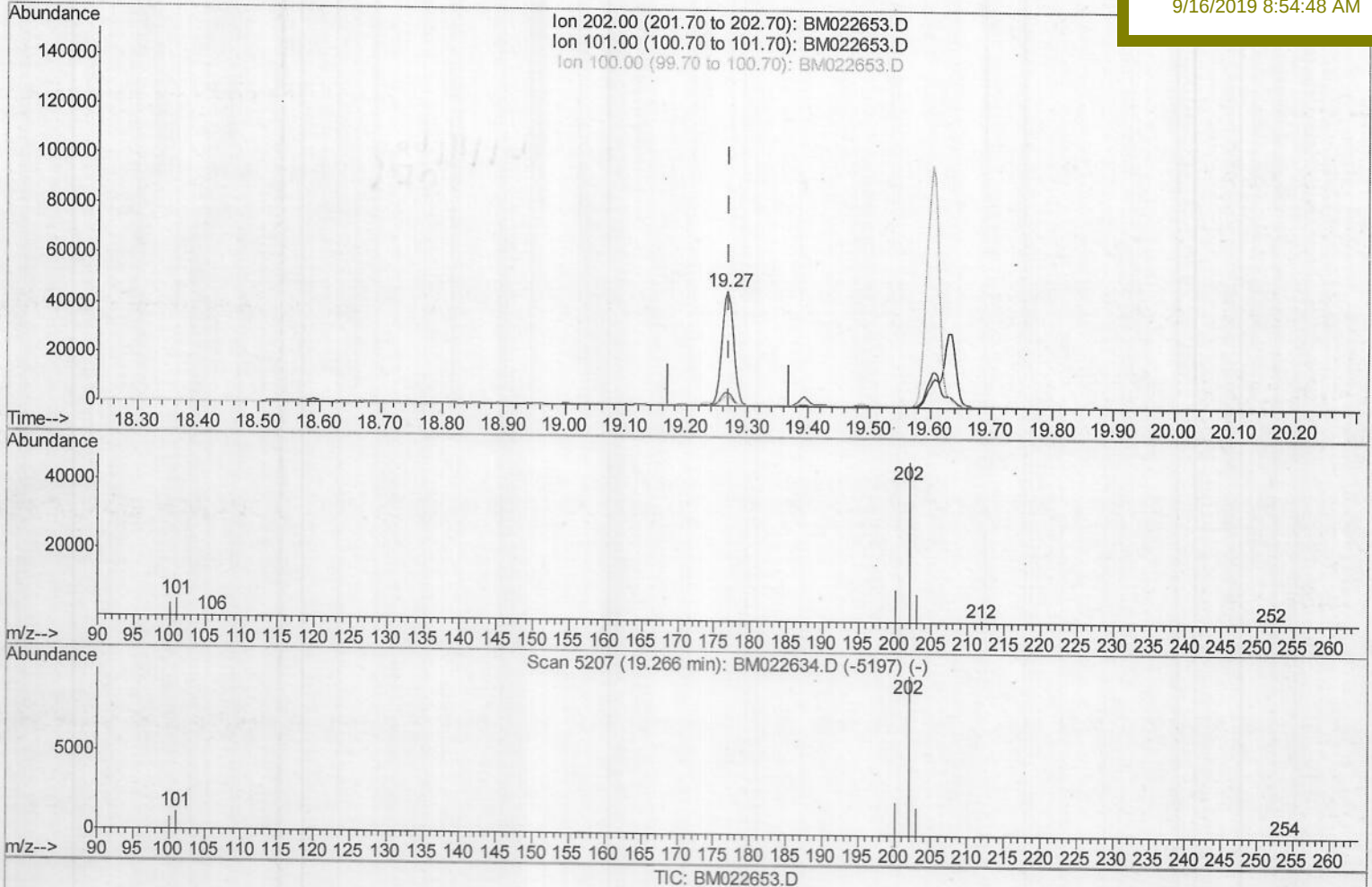
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Manual Integrations
 APPROVED

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 9/16/2019 8:54:48 AM



(15) Fluoranthene (C)

19.268min (-0.002) 0.16ng/ul m & JU 09/24/29

response 61005

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	11.09
100.00	8.00	8.48
0.00	0.00	0.00

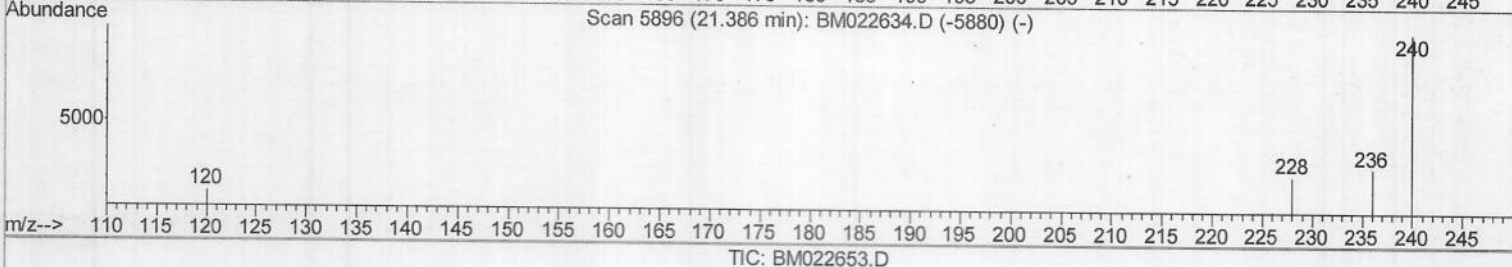
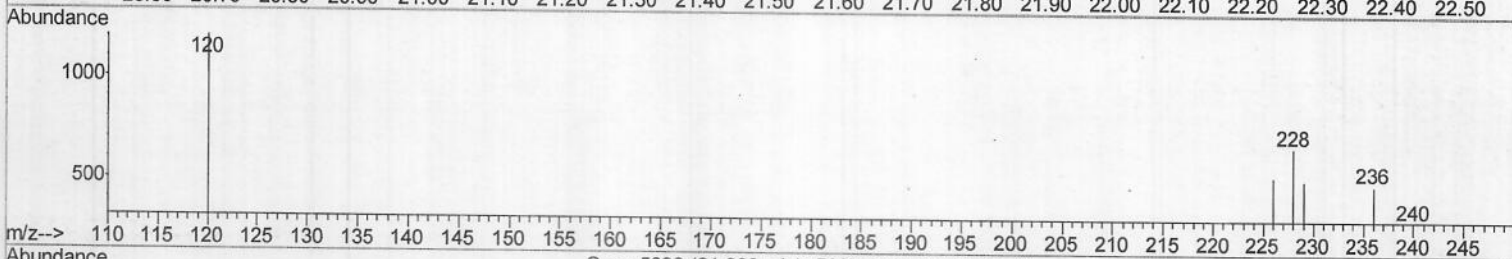
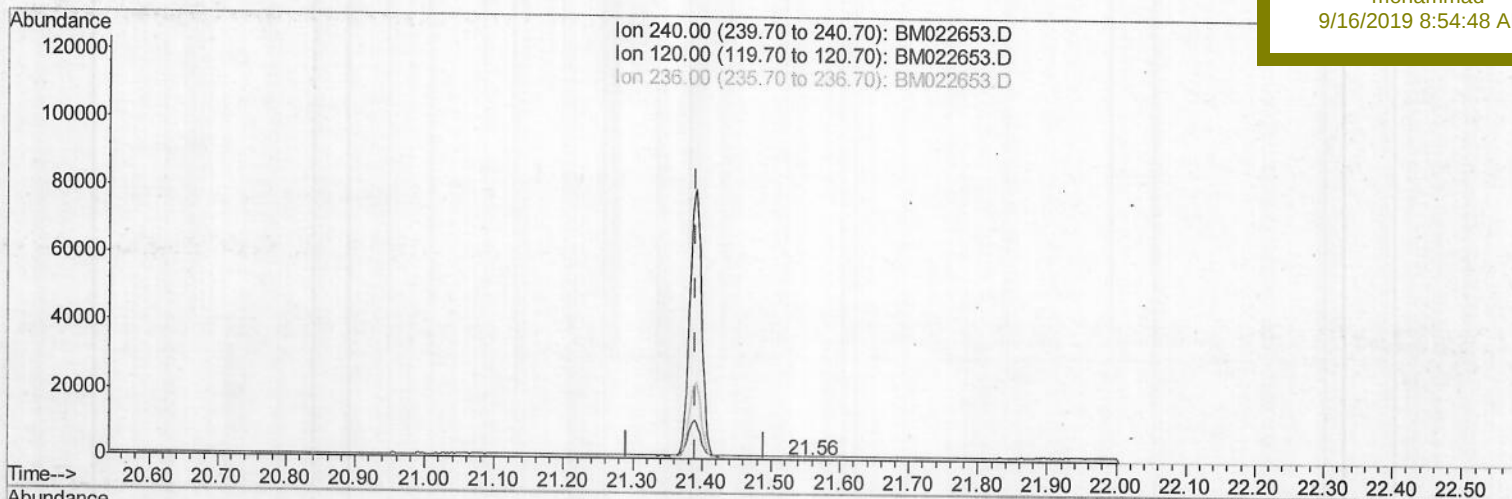
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022653.D
Acq On : 11 Sep 2019 12:38
Operator : HP/JU
Sample : K4706-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:10:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF571

Manual Integrations
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9/16/2019 8:54:48 AM



(16) Chrysene-d12 (I)

21.558min (+0.167) 0.40ng/ul

response 54

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	391.86#
236.00	28.80	158.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

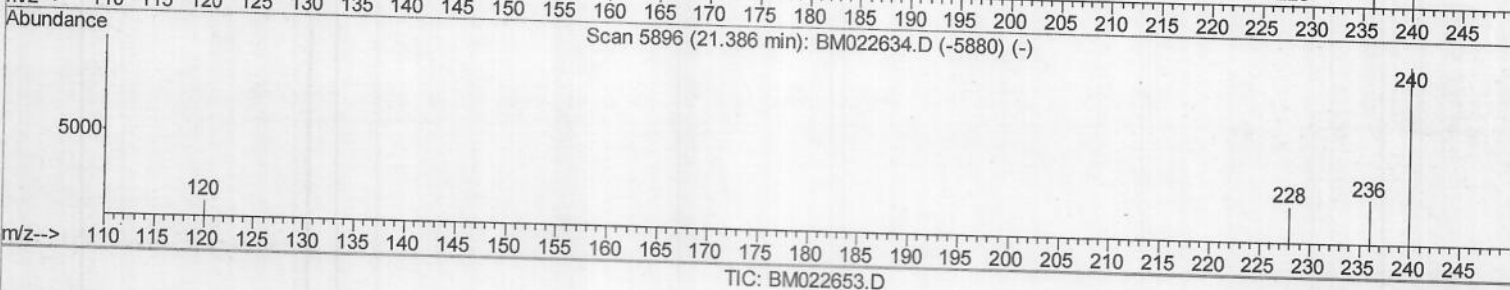
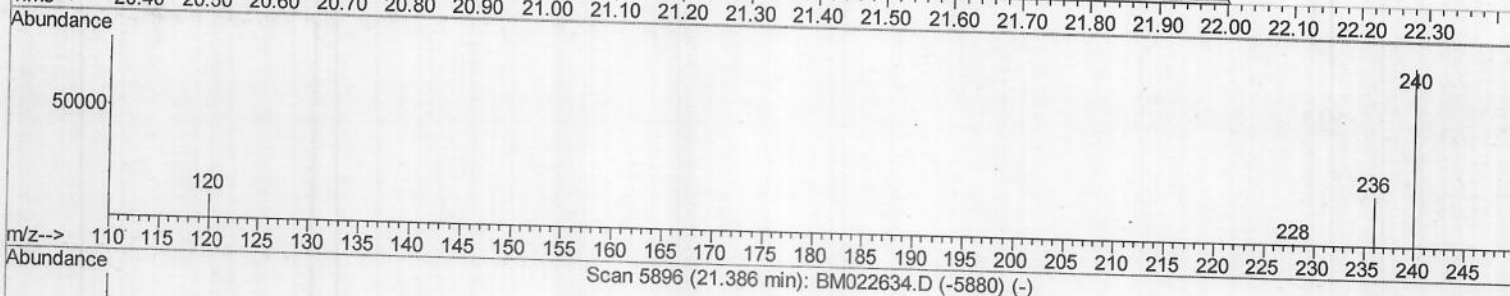
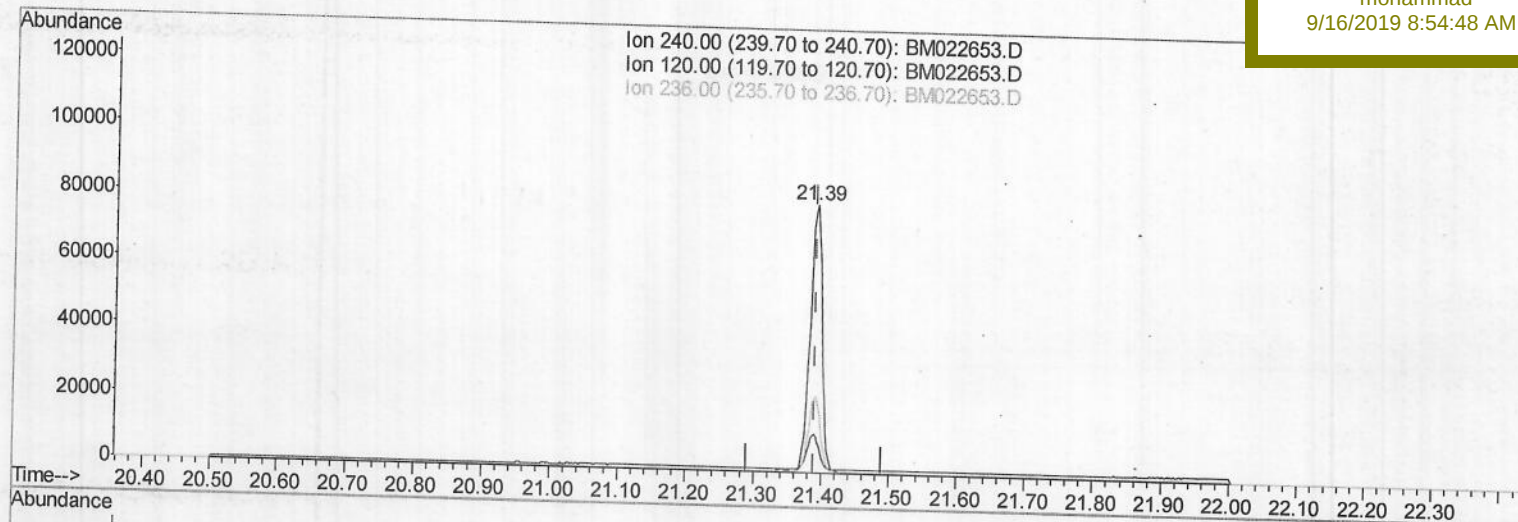
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Quant Time: Sep 11 15:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:48 AM



(16) Chrysene-d12 (I)

21.391min (+0.000) 0.40ng/ul m > JU 09/14/19

response 97599

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	13.86
236.00	28.80	28.84
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:12:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

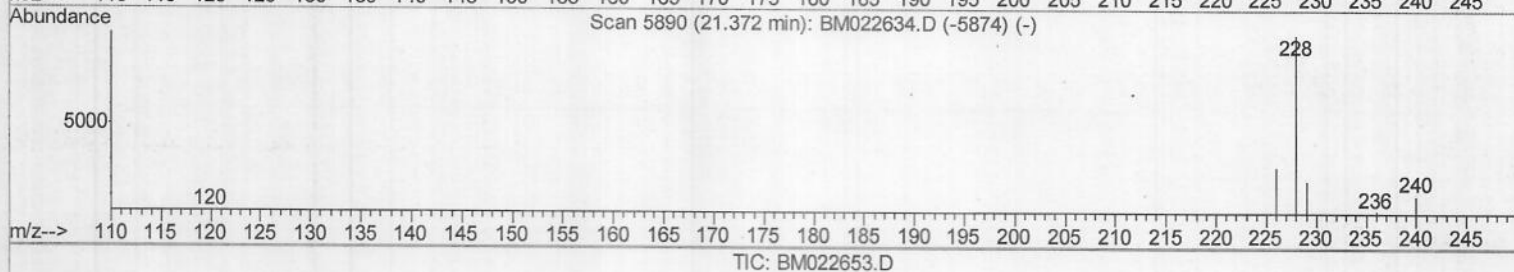
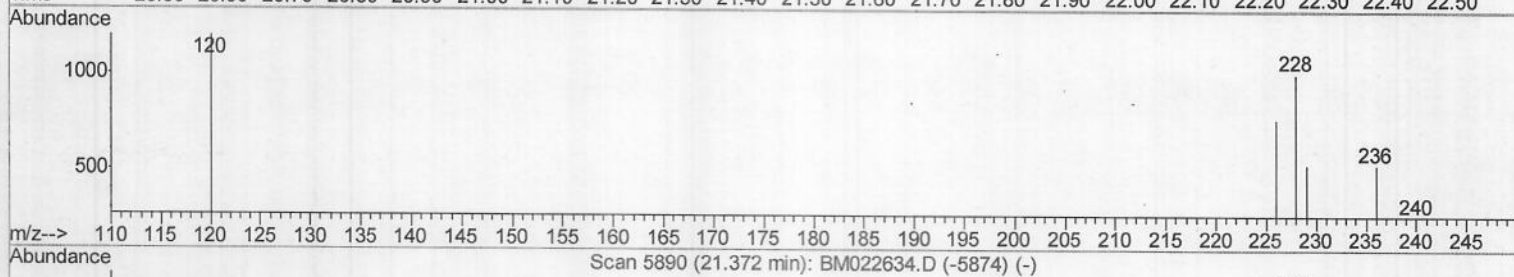
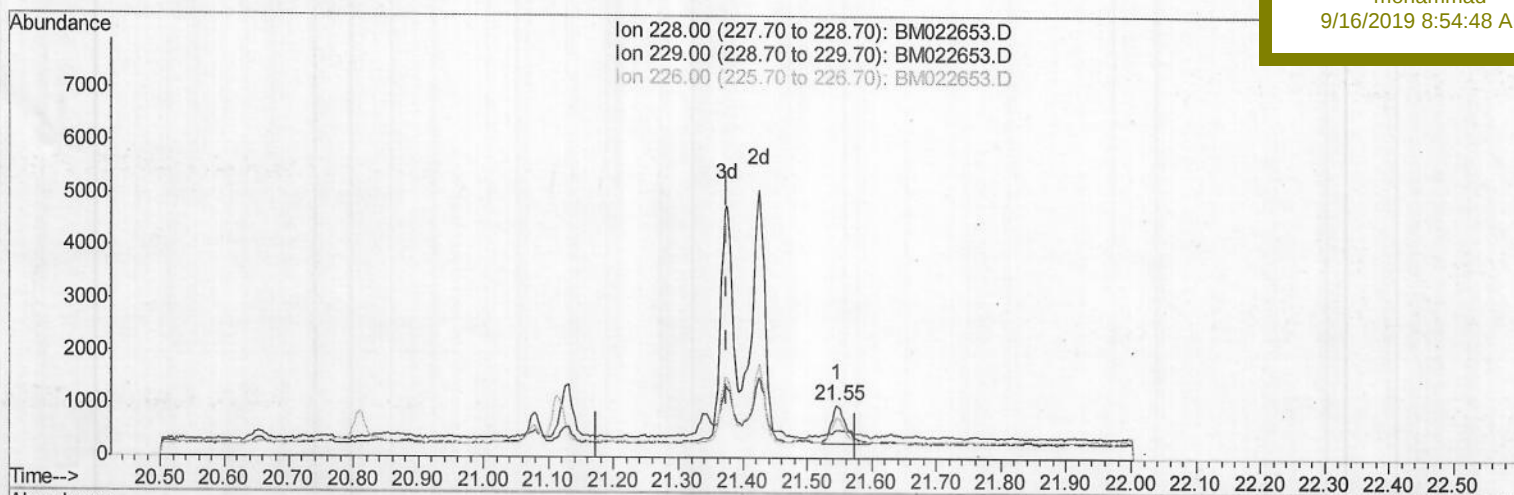
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF571

Manual Integrations
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9/16/2019 8:54:48 AM

(18) Benzo(a)anthracene

21.546min (+0.172) 0.00ng/ul

response 1114

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	52.89#
226.00	27.50	76.39#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:12:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

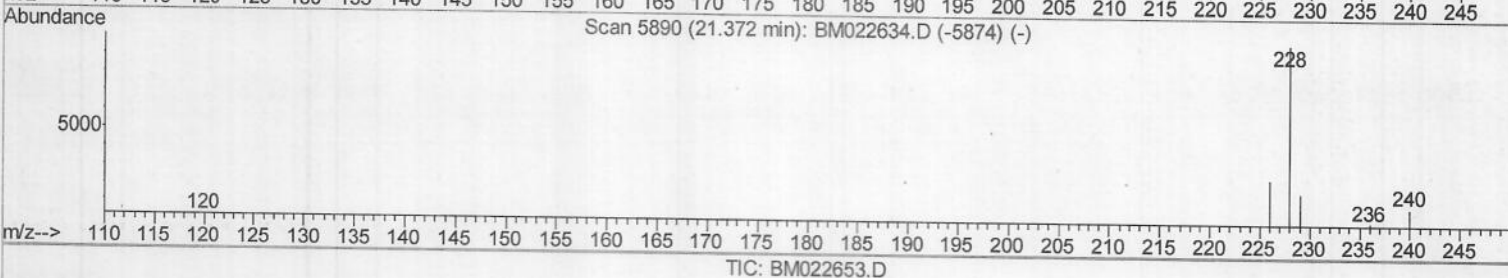
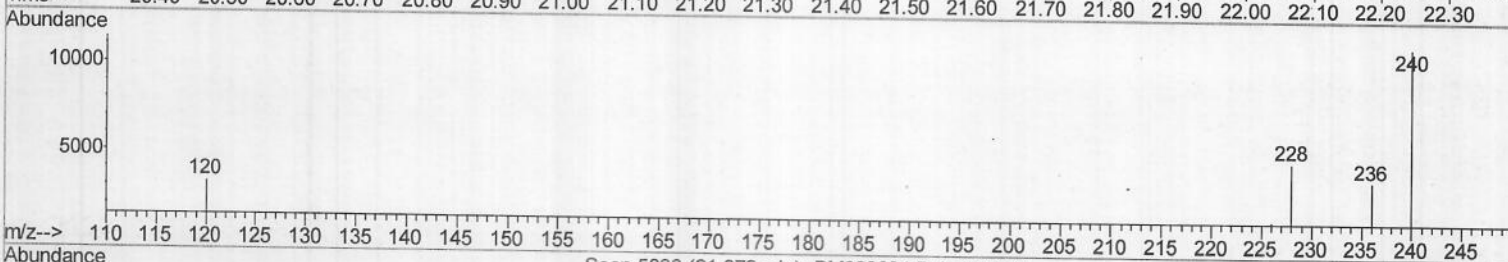
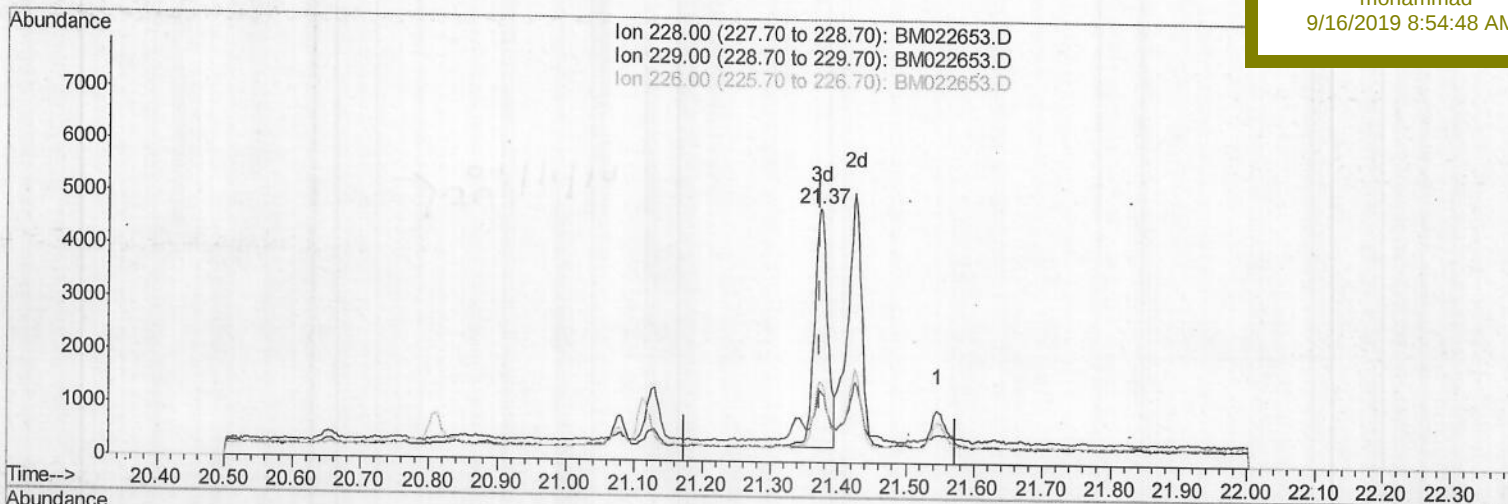
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF571

Manual Integrations
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(18) Benzo(a)anthracene

21.374min (+0.000) 0.02ng/ul m

S JU 09/24/19

response 6047

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	28.05#
226.00	27.50	31.11
0.00	0.00	0.00

Quantitation Report (Qedit)

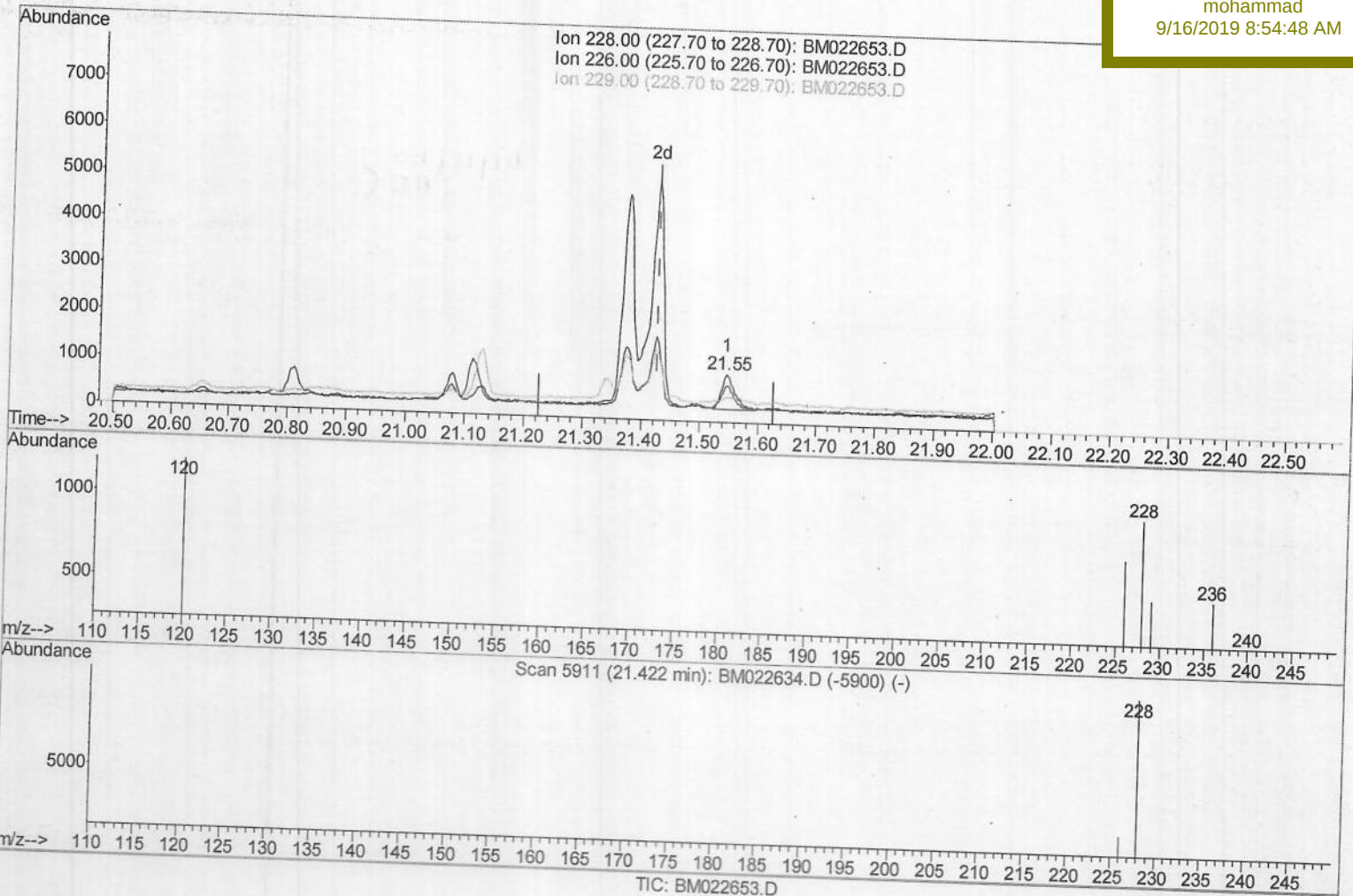
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF571

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Quant Time: Sep 11 15:12:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(19) Chrysene

21.546min (+0.119) 0.00ng/ul

response 1114

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	76.39#
229.00	19.40	52.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

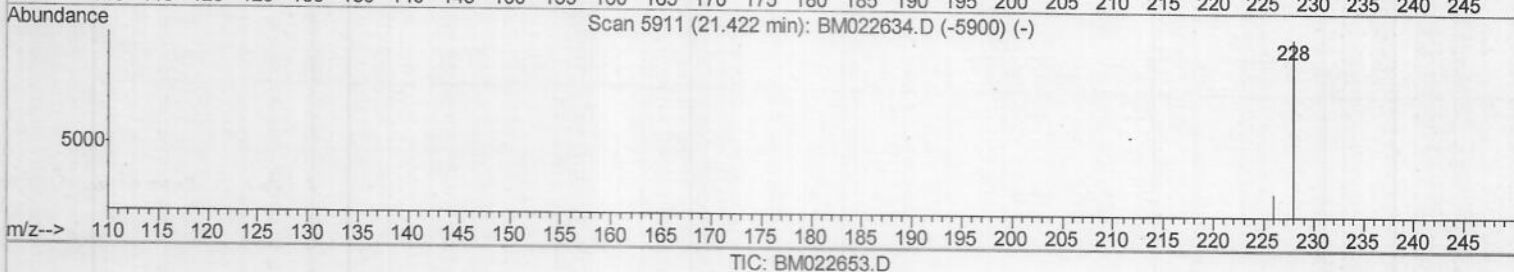
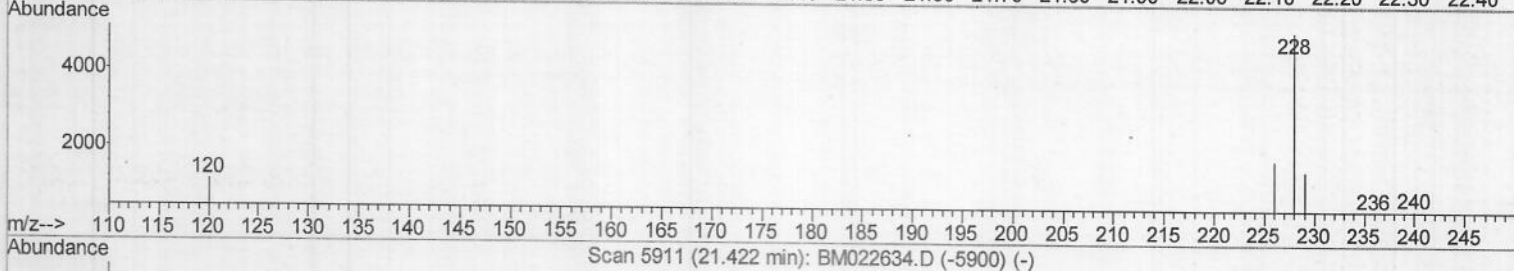
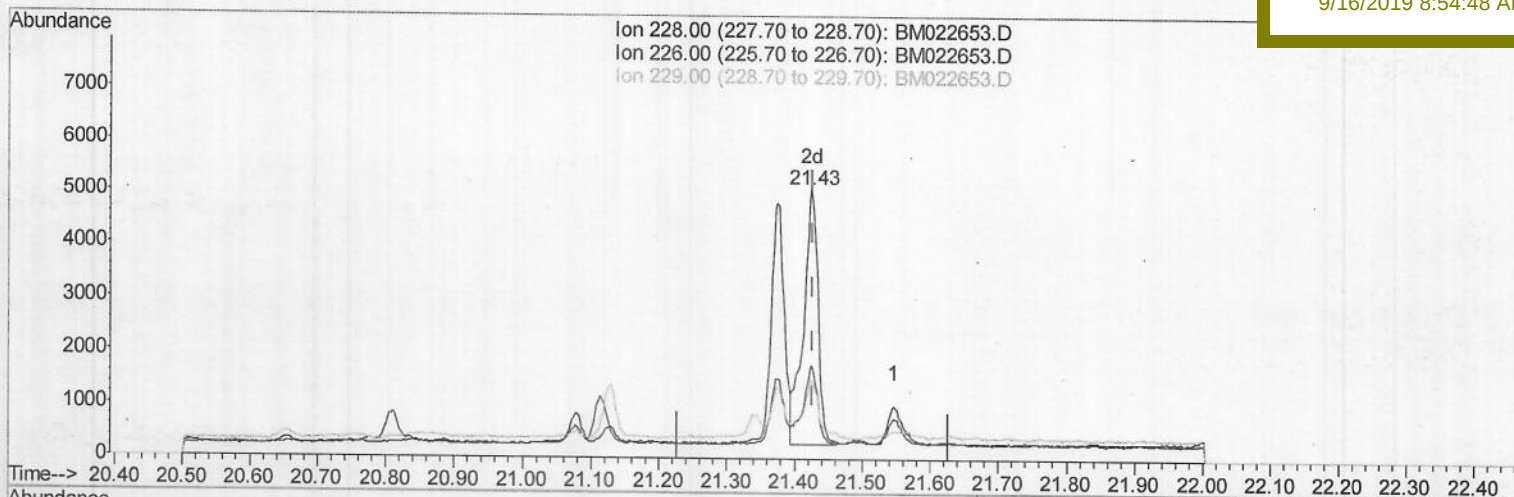
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Quant Time: Sep 11 15:12:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Manual Integrations
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(19) Chrysene

21.425min (-0.002) 0.02ng/ul m

2 JU 09/24/19

response 7112

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	34.37
229.00	19.40	29.57#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:14:12 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Qlast Update : Tue Sep 10 15:06:45 2019

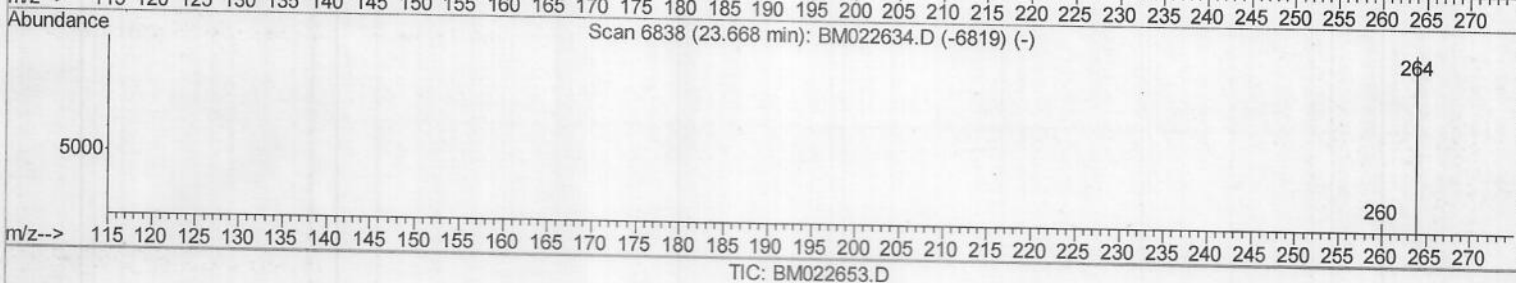
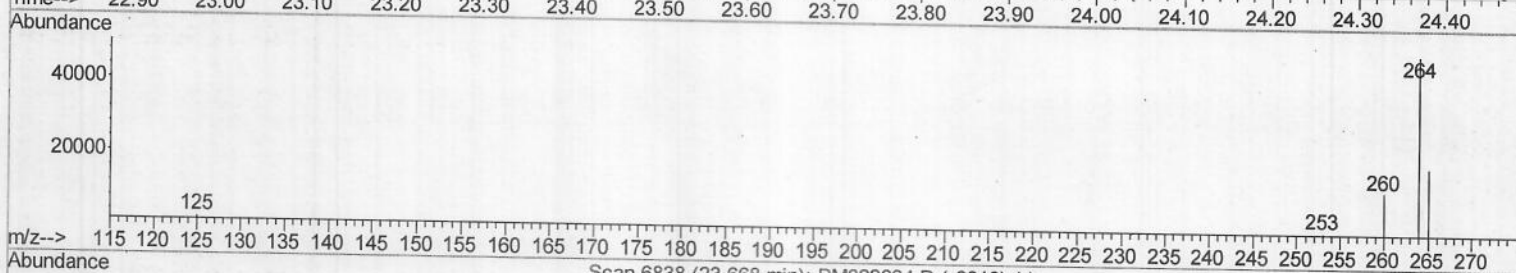
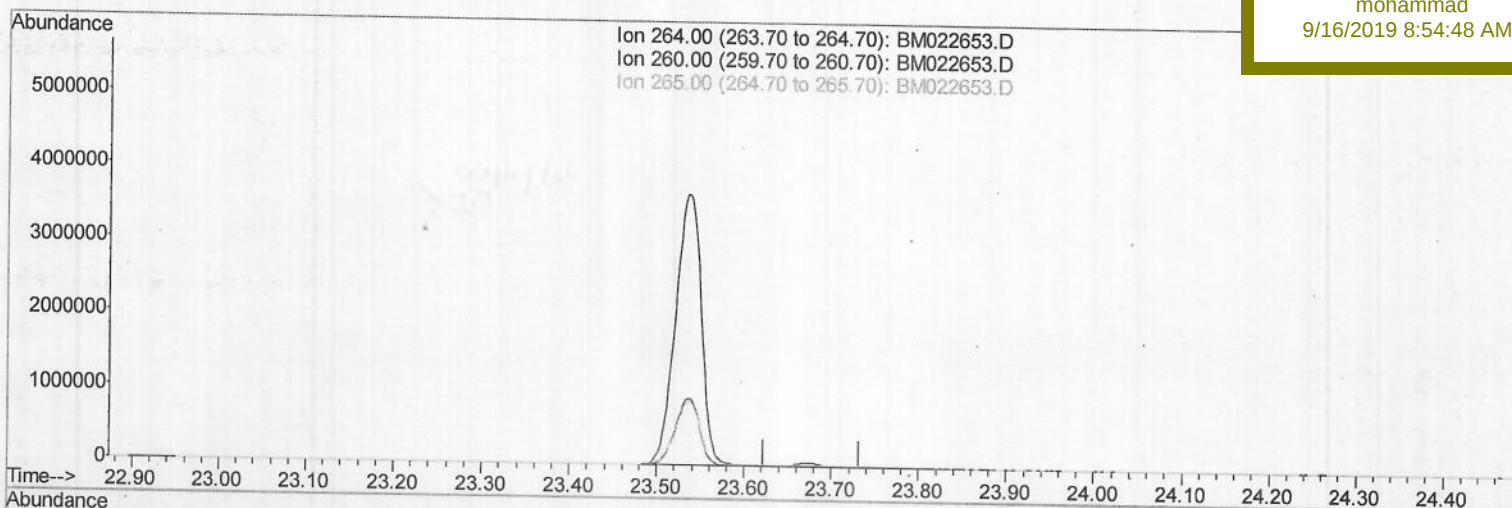
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BF571

Manual Integrations
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(20) Perylene-d12 (I)

23.673min (-23.673) 0.00ng/ul

response 0

Ion	Exp%	Act%
264.00	100	0.00
260.00	25.60	0.00#
265.00	59.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\

Data File : BM022653.D

Acq On : 11 Sep 2019 12:38

Operator : HP/JU

Sample : K4706-05

Misc :

ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 15:14:12 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 15:06:45 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

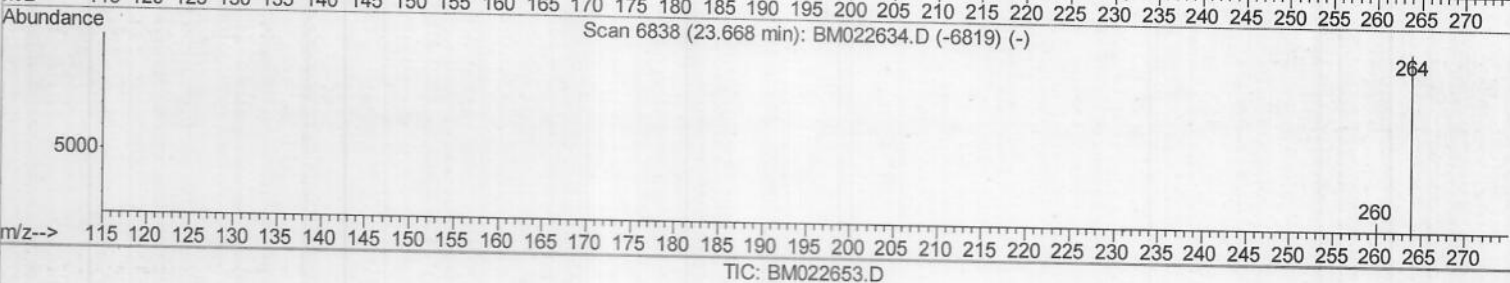
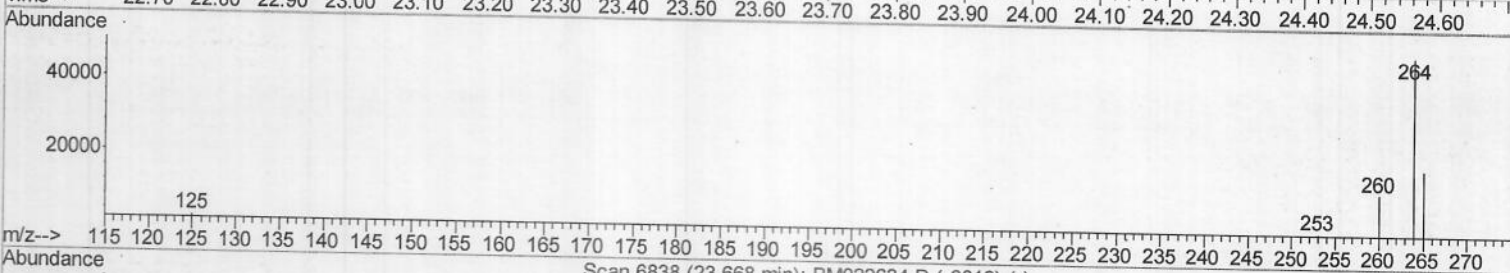
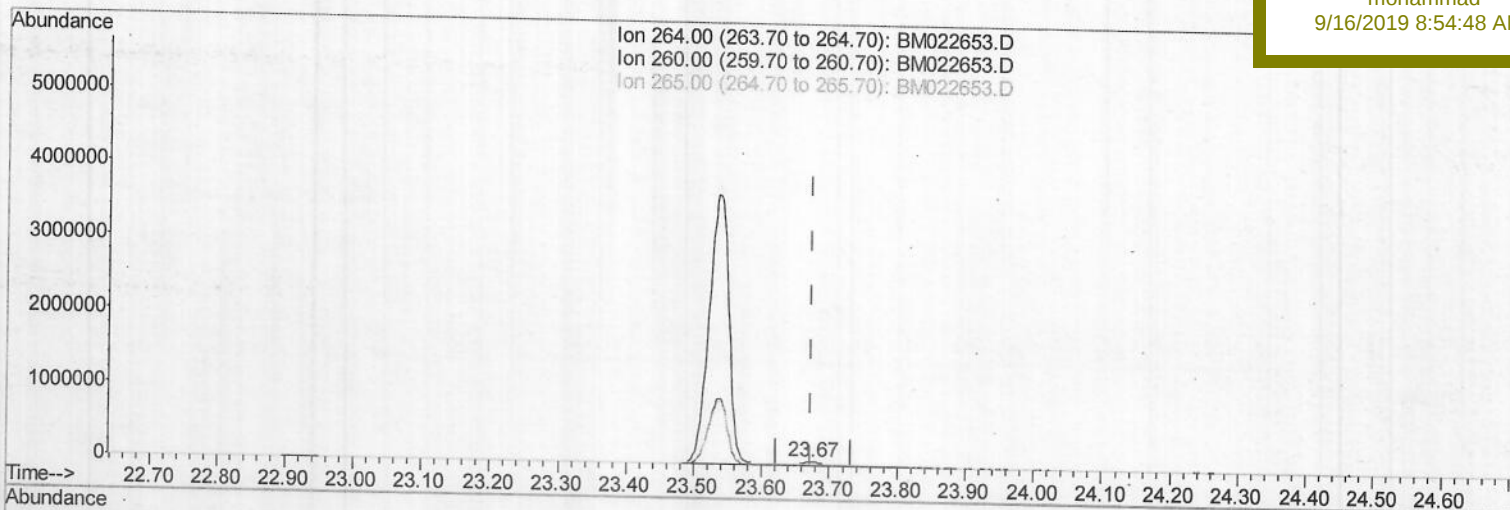
BF571

Manual Integrations

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(20) Perylene-d12 (I)

23.673min (+0.000) 0.40ng/ul m > JU 09/14/19

response 81273

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.39
265.00	59.90	38.82#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
 Data File : BM022653.D
 Acq On : 11 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4706-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF571

Quant Time: Sep 11 15:14:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	19752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	85795	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	50477	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	113658m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	97599m	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	81273m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	41681	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	107735m	0.35	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.69	128	118092	0.483	ng/ul	100
5) 2-Methylnaphthalene	12.30	142	41956	0.250	ng/ul	100
8) Acenaphthene	14.54	153	24988	0.128	ng/ul	99
9) Fluorene	15.52	166	31057	0.139	ng/ul	100
12) Phenanthrene	17.25	178	143577m	0.396	ng/ul	
13) Anthracene	17.35	178	25064m	0.081	ng/ul	
15) Fluoranthene	19.27	202	61005m	0.156	ng/ul	
17) Pyrene	19.63	202	38911	0.088	ng/ul	97

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