

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:16:40 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

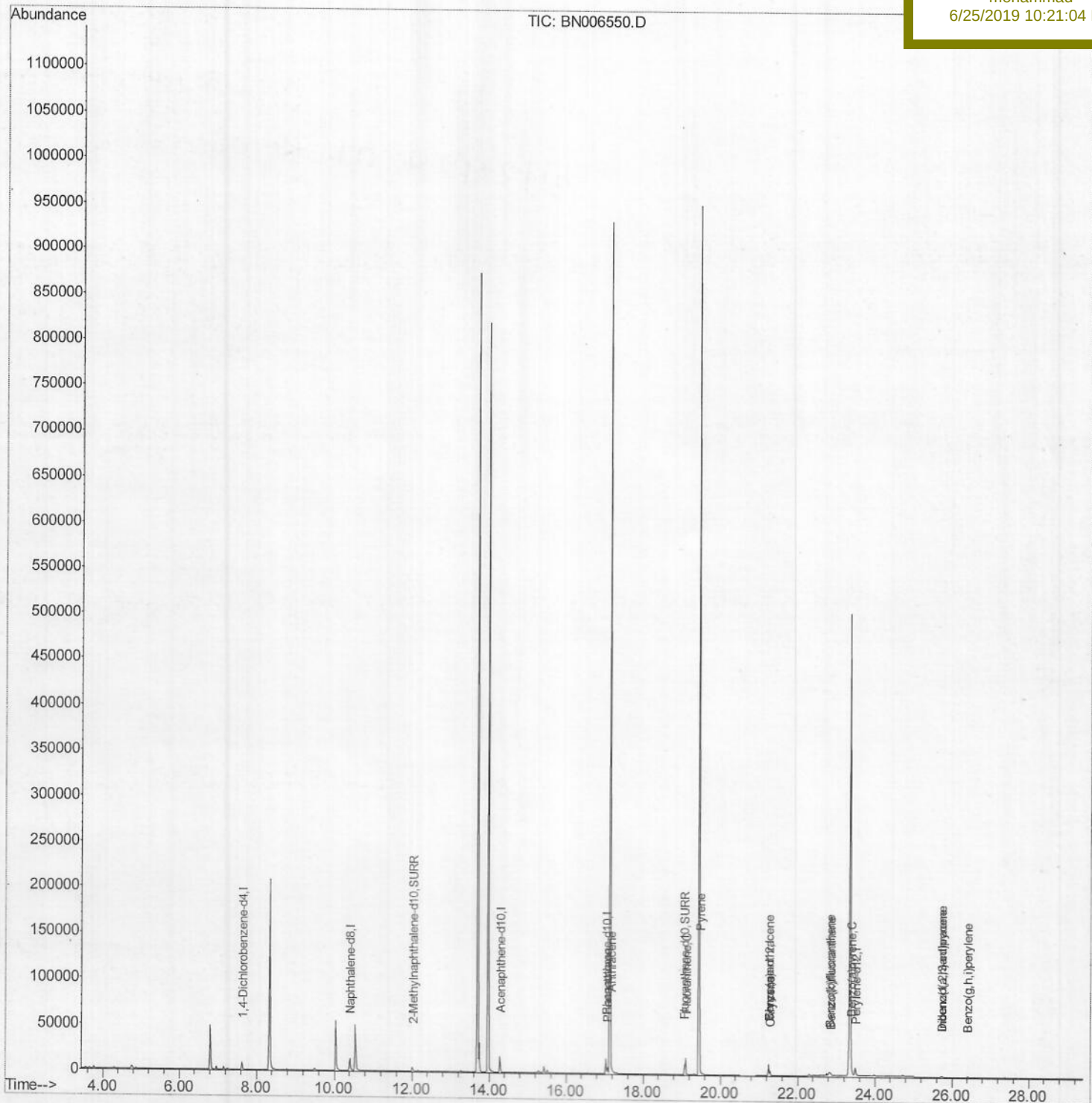
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

A41X8

Manual Integrations
APPROVEDmohammad
6/25/2019 10:21:04 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 04:10:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

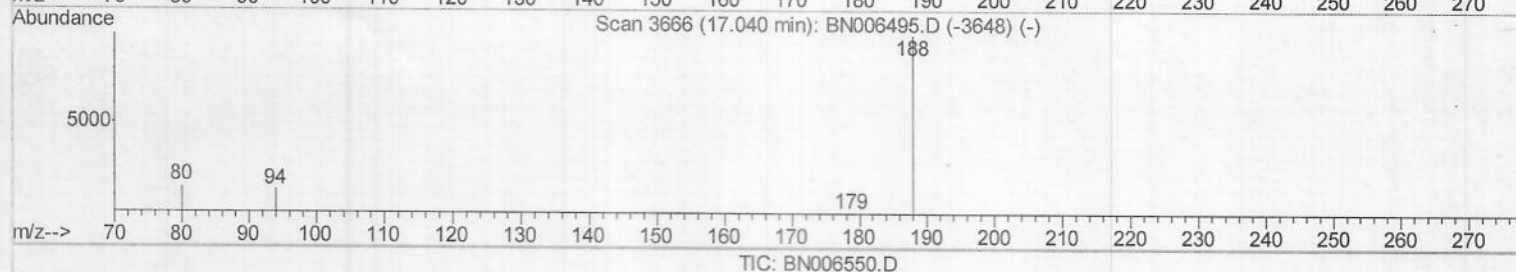
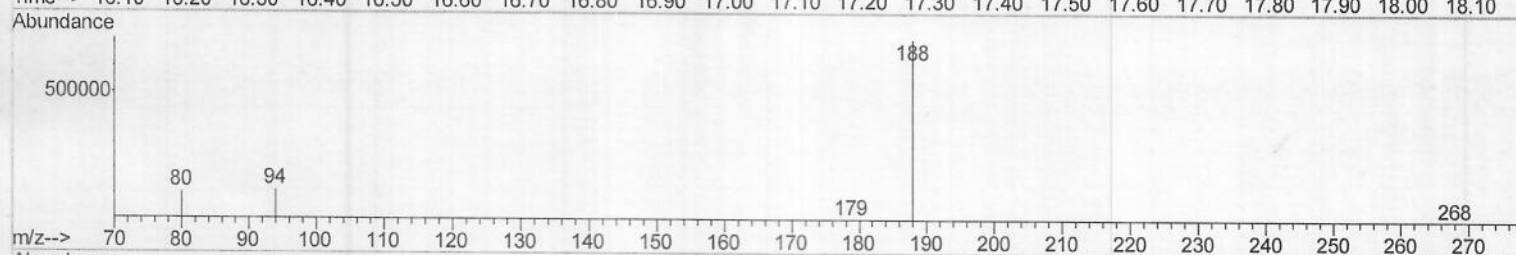
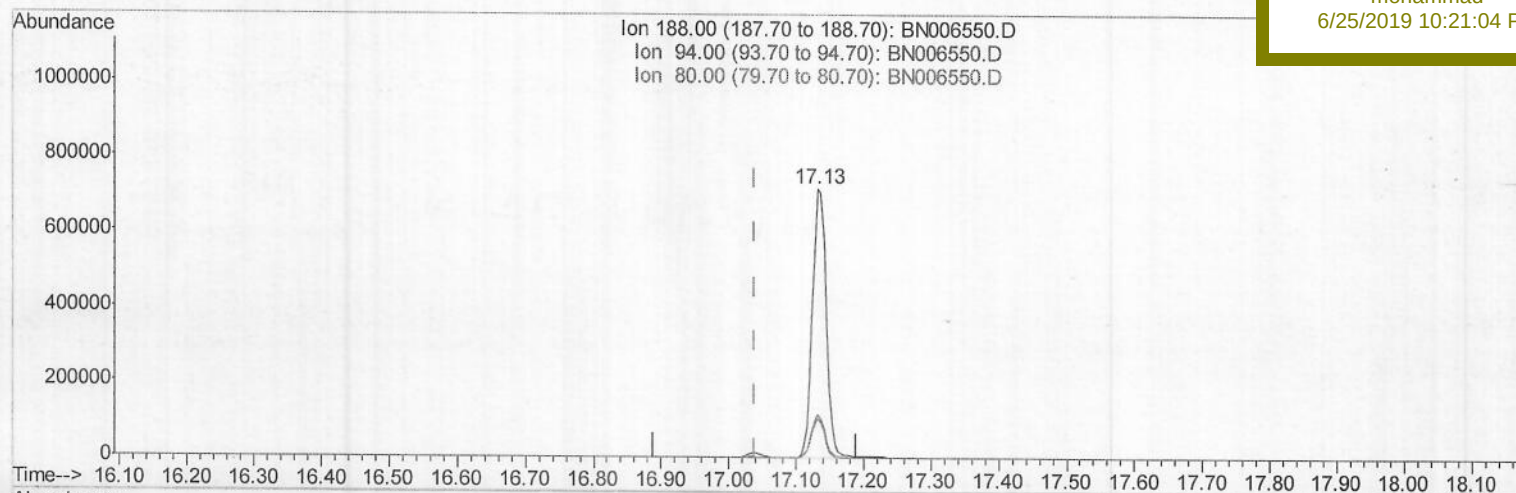
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
APPROVEDmohammad
6/25/2019 10:21:04 PM

(10) Phenanthrene-d10 (I)

17.133min (+0.093) 0.40ng/ul

response 1007516

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.87#
80.00	13.60	14.60
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 04:10:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

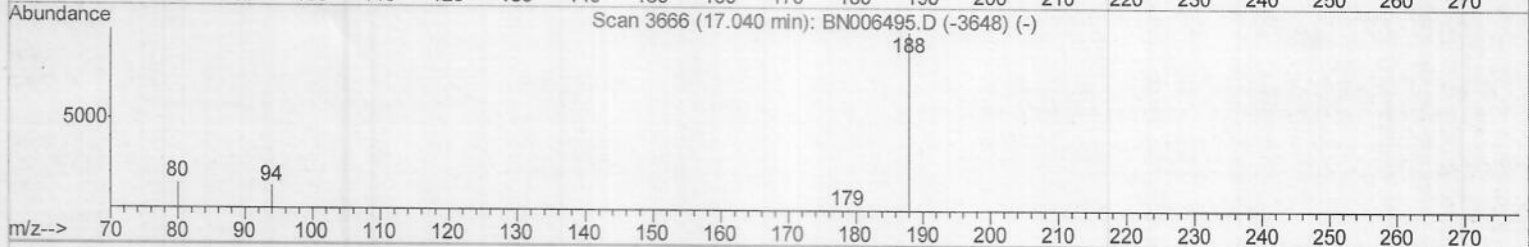
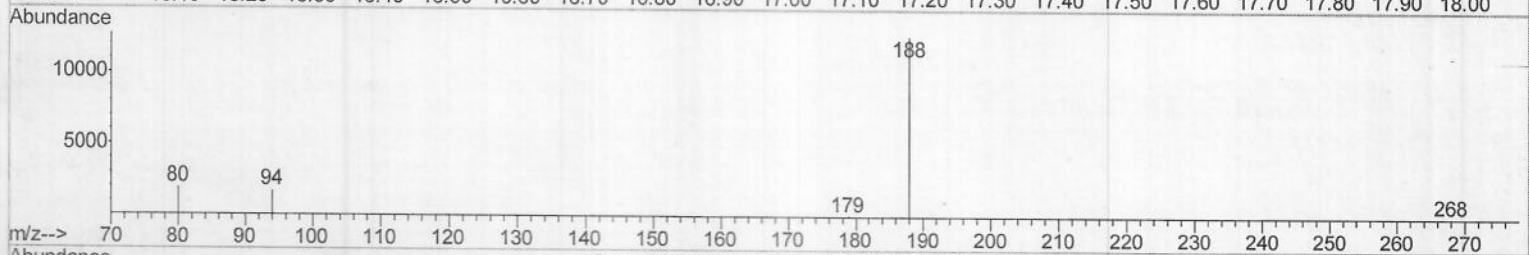
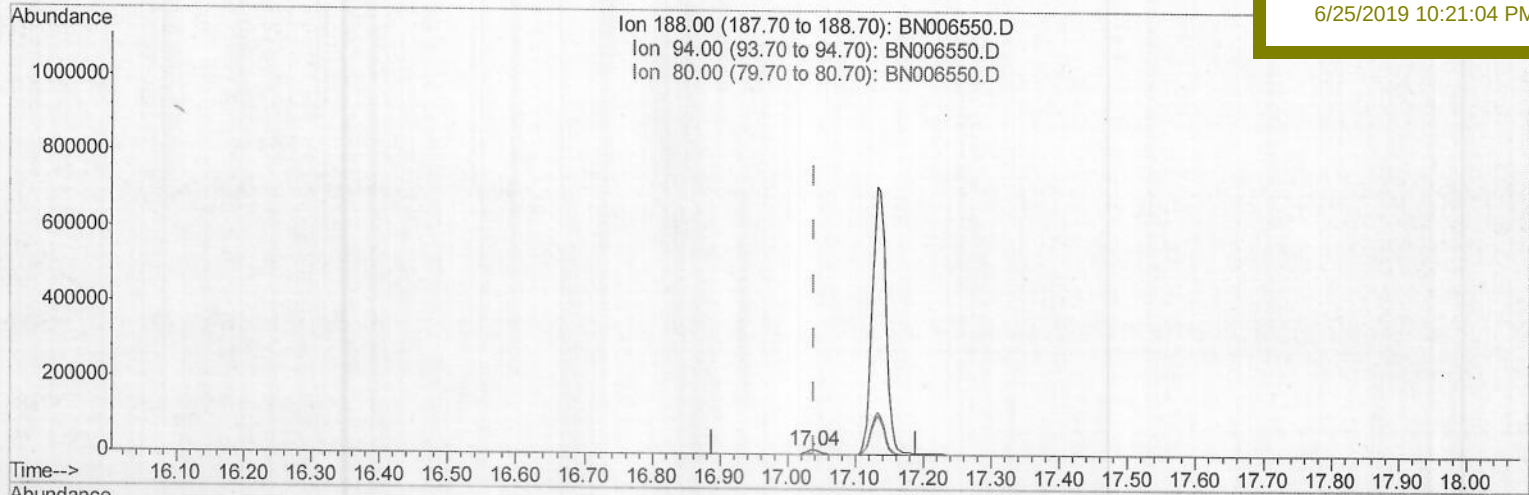
A41X8

Manual Integrations

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TIC: BN006550.D

(10) Phenanthrene-d10 (I)

17.036min (-0.004) 0.40ng/ul m

response 18061

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.45
80.00	13.60	15.08
0.00	0.00	0.00

JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

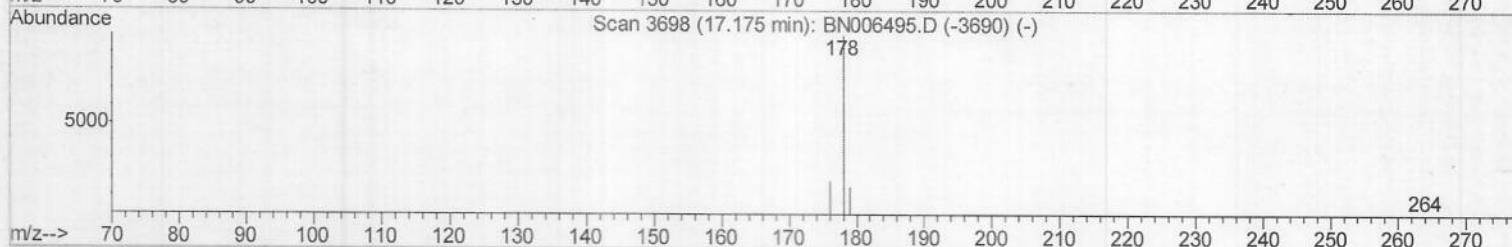
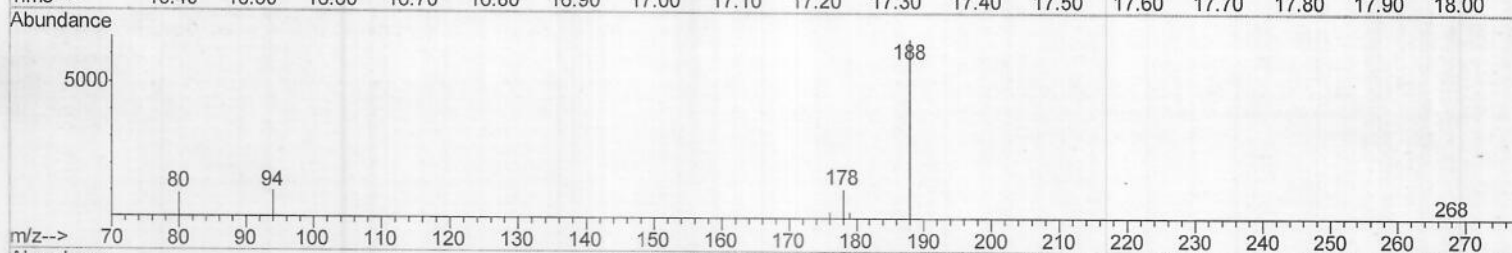
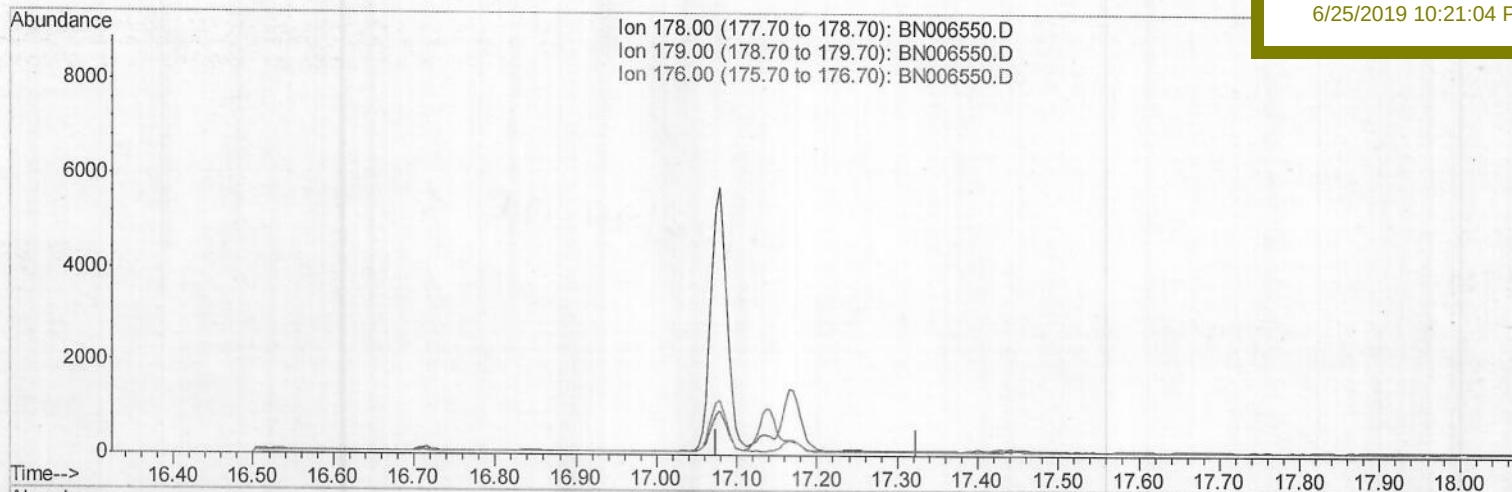
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
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6/25/2019 10:21:04 PM

TIC: BN006550.D

(13) Anthracene

17.175min (-17.175) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.30	0.00#
176.00	18.90	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

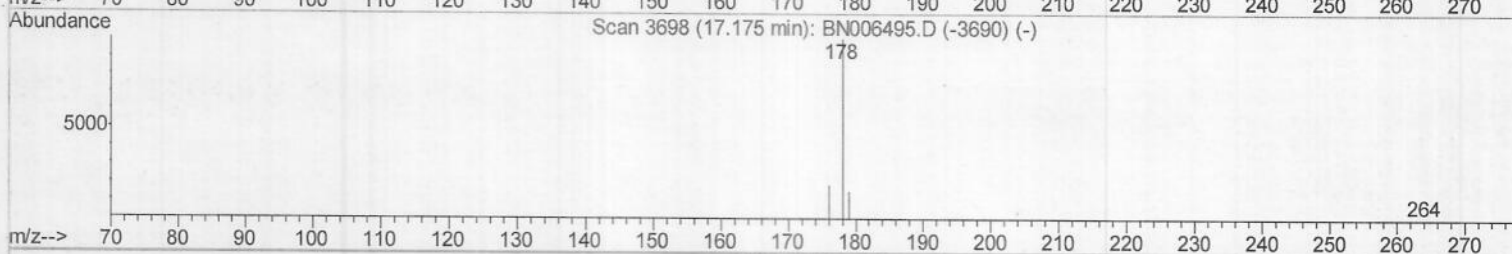
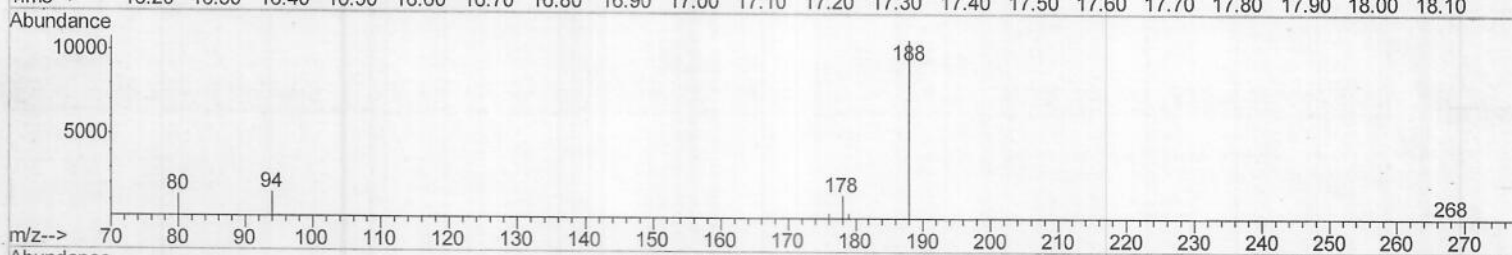
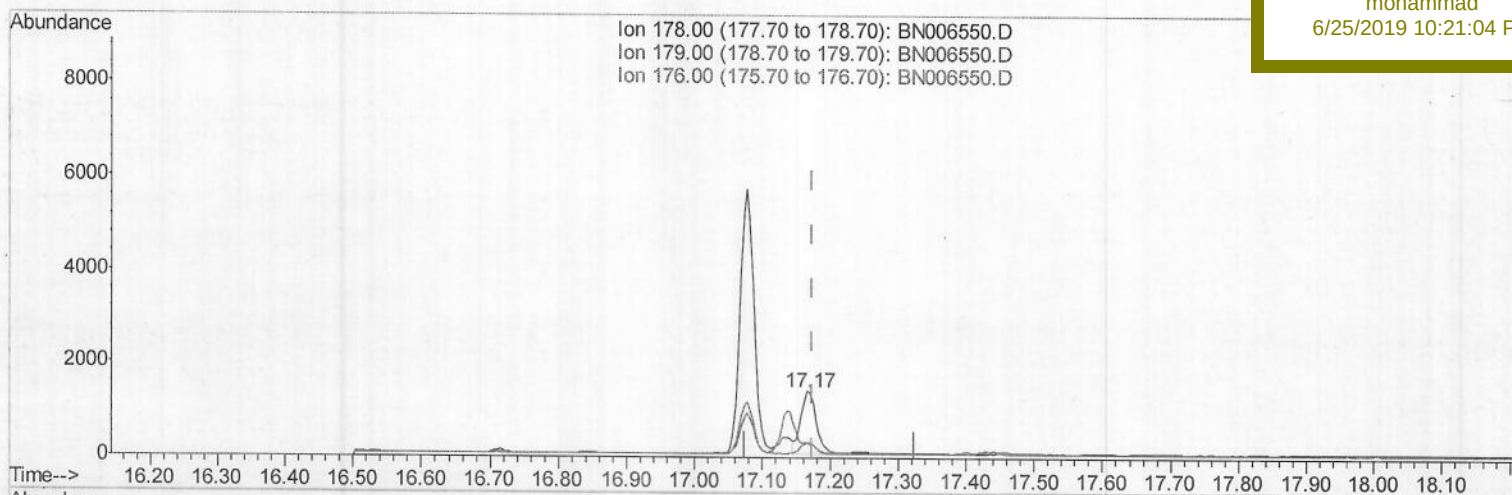
A41X8

Manual Integrations

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TIC: BN006550.D

(13) Anthracene

17.166min (-0.008) 0.04ng/ul m

7 JU 06/26/19

response 2048

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	22.02#
176.00	18.90	22.73#
0.00	0.00	0.00

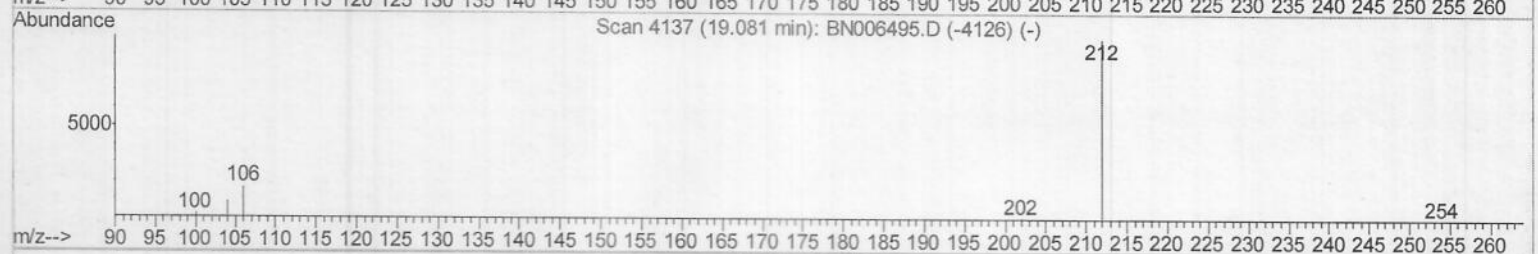
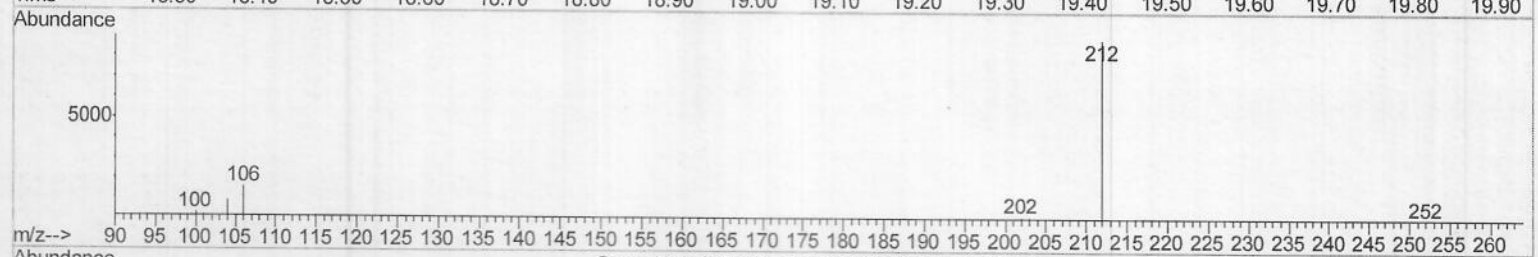
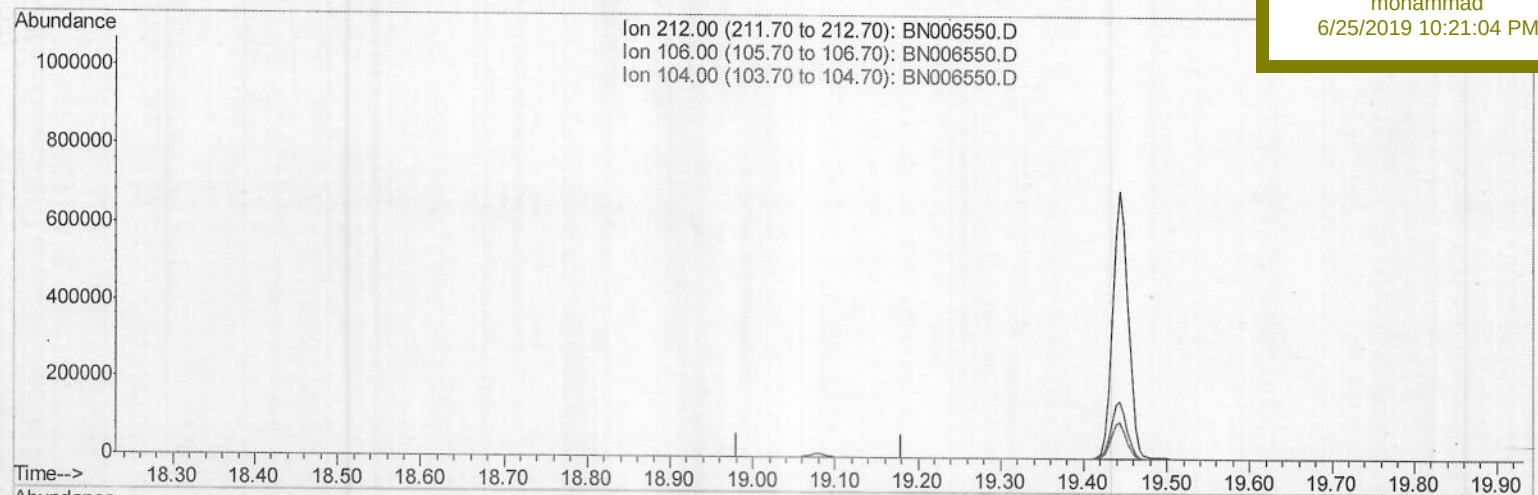
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
Data File : BN006550.D
Acq On : 25 Jun 2019 02:15
Operator : HP/JU
Sample : K3362-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 01:51:13 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41X8

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.081min (-19.081) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

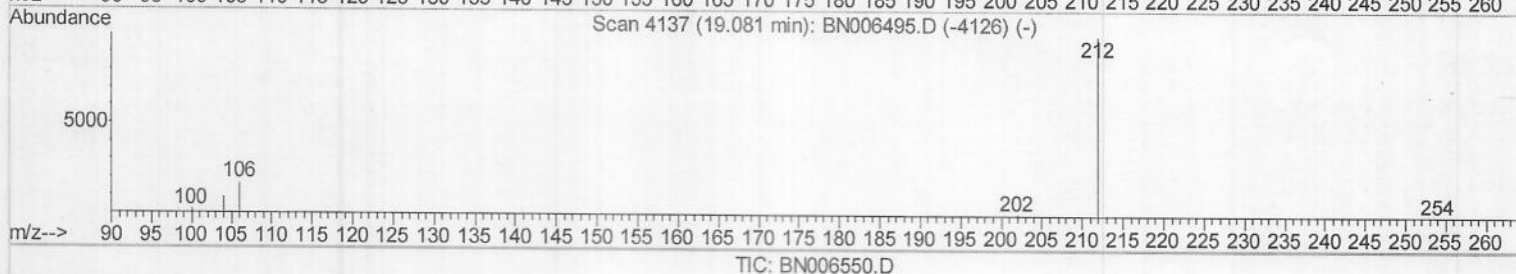
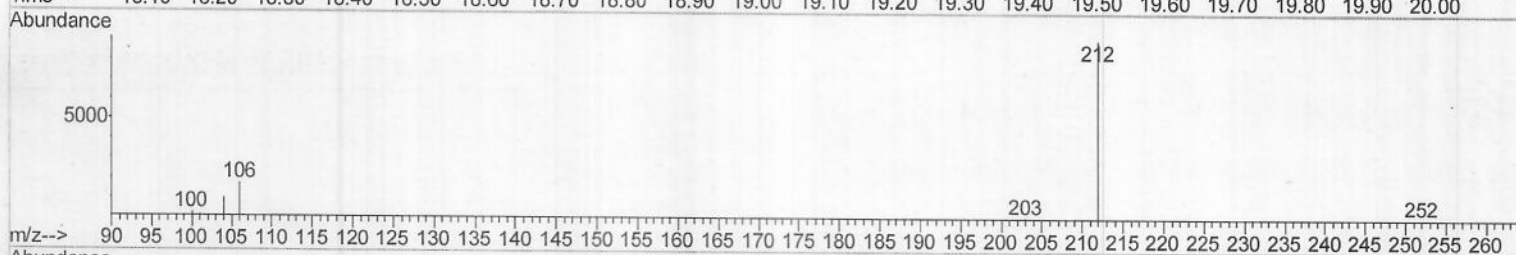
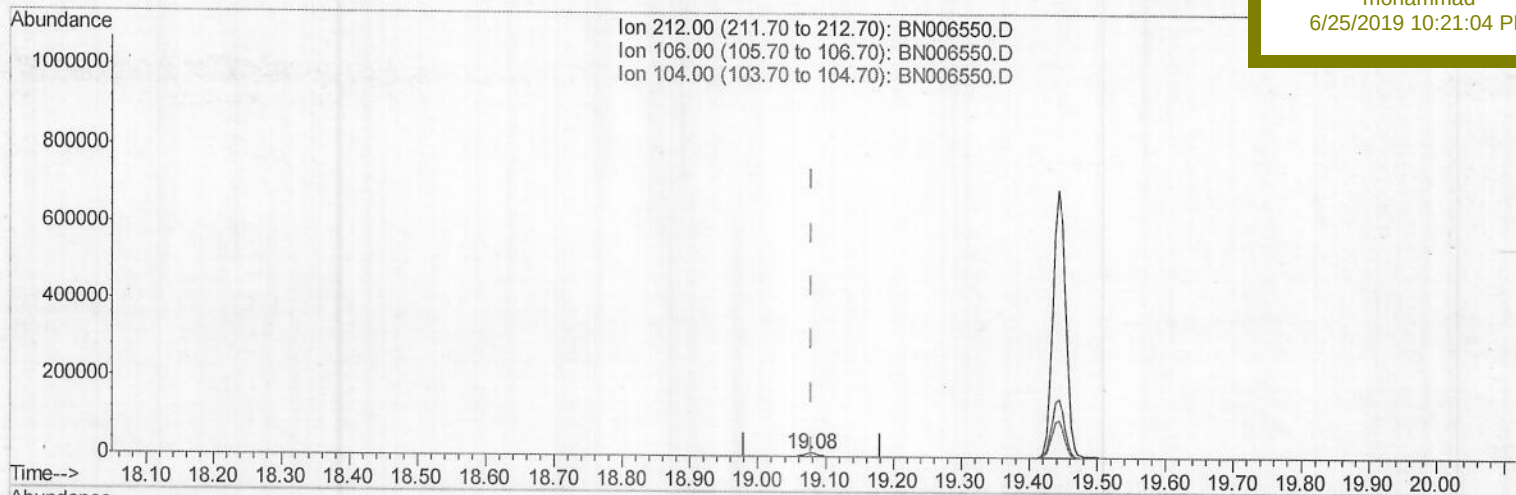
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
APPROVEDmohammad
6/25/2019 10:21:04 PM

(14) Fluoranthene-d10 (SURR)

19.076min (-0.004) 0.27ng/ul m

response 13009

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

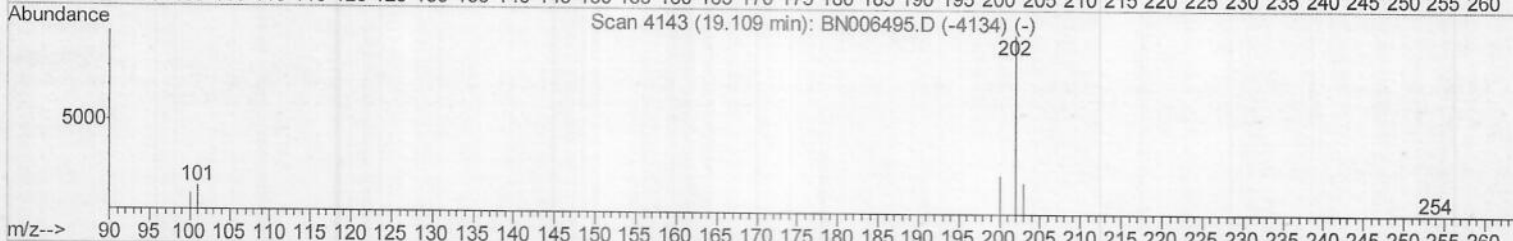
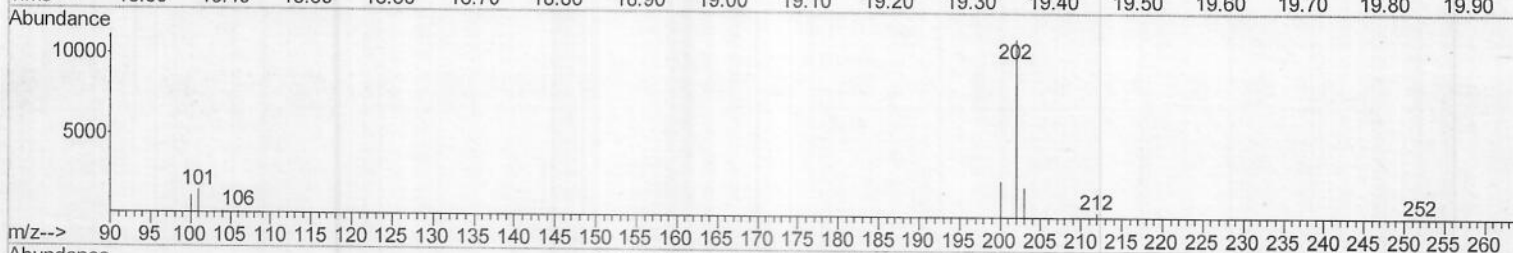
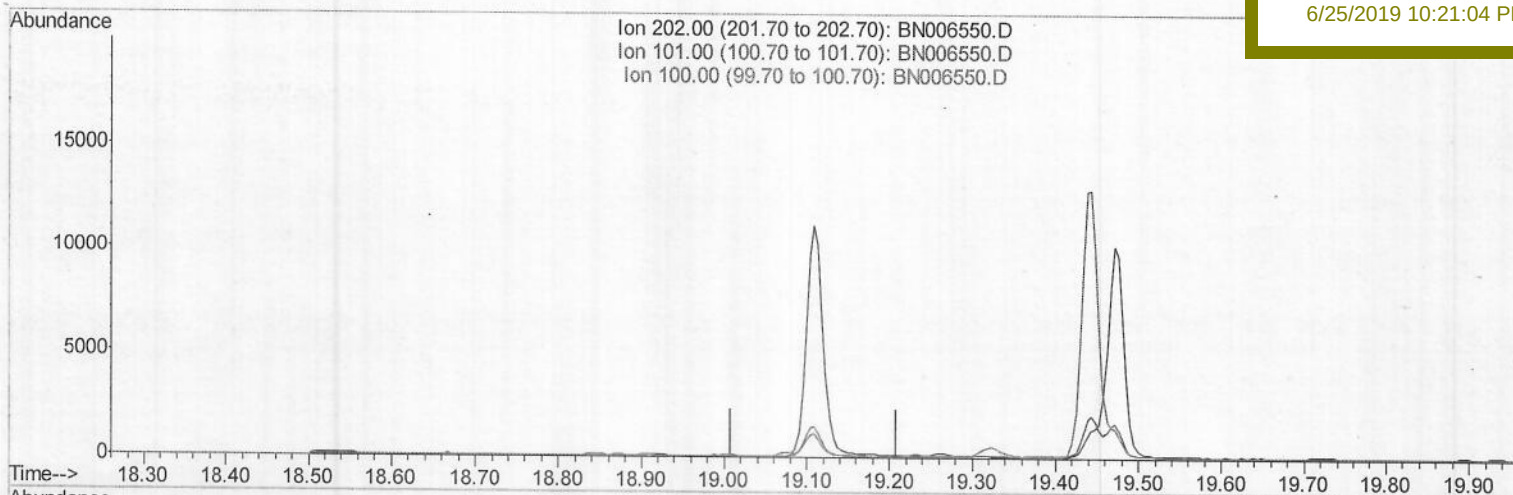
A41X8

Manual Integrations

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(15) Fluoranthene (C)

19.109min (-19.109) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.10	0.00
100.00	8.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

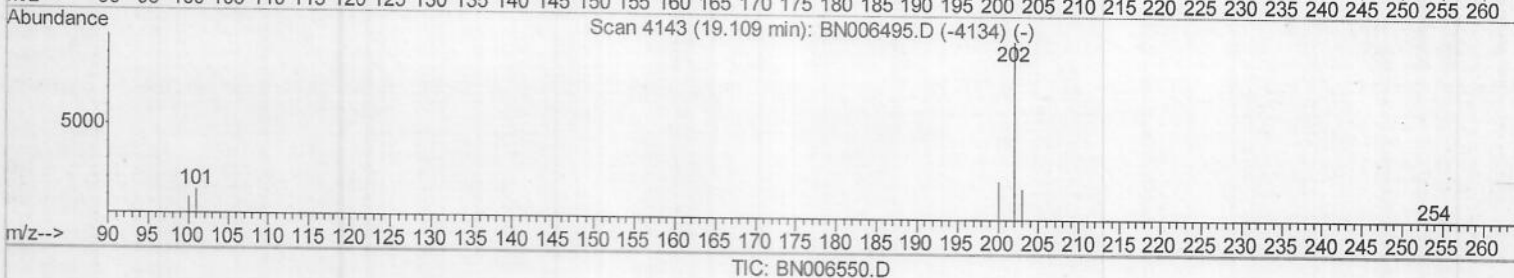
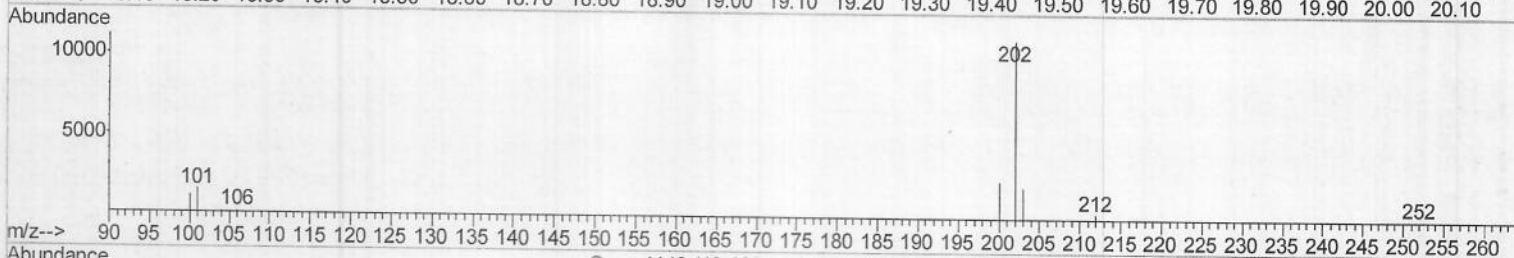
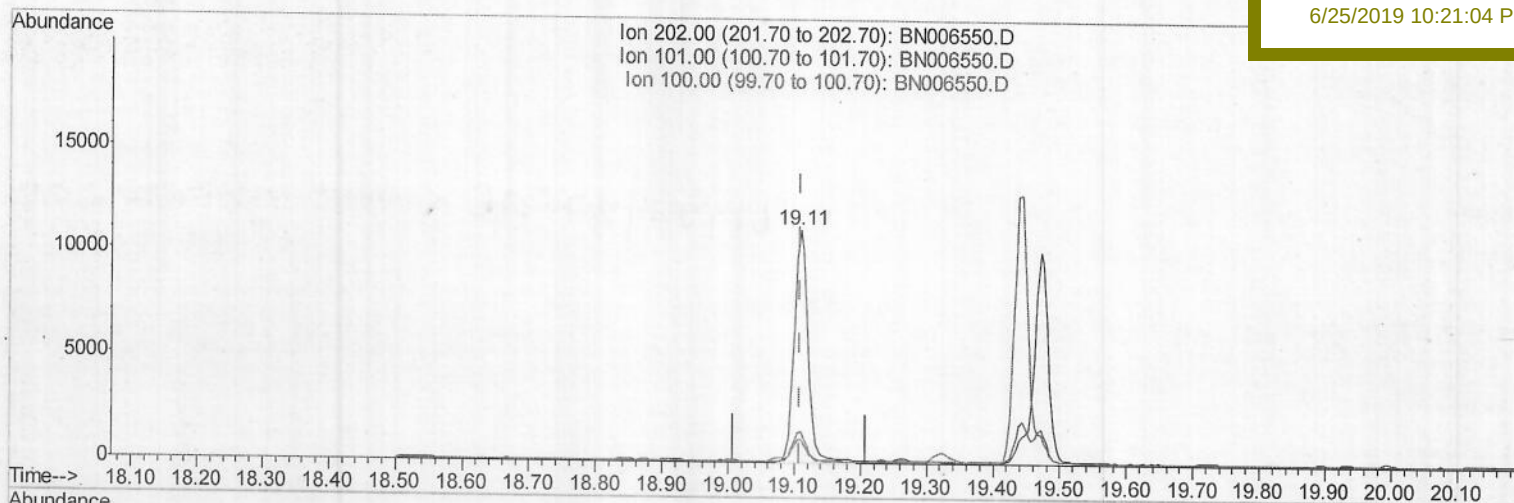
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
APPROVEDmohammad
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(15) Fluoranthene (C)

19.109min (+0.000) 0.25ng/ul m

response 16318

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.23
100.00	8.70	9.88
0.00	0.00	0.00

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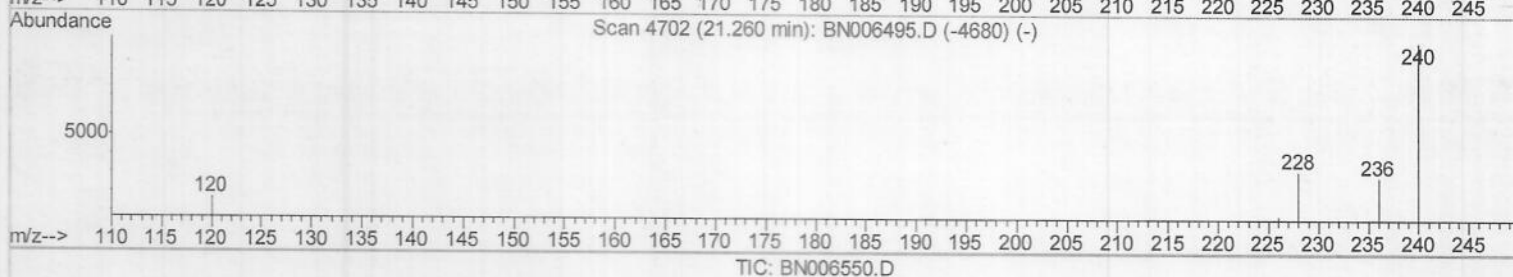
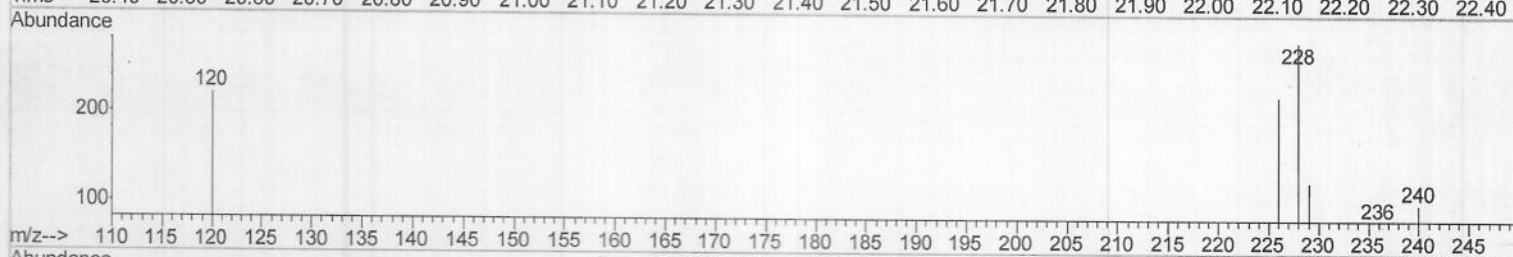
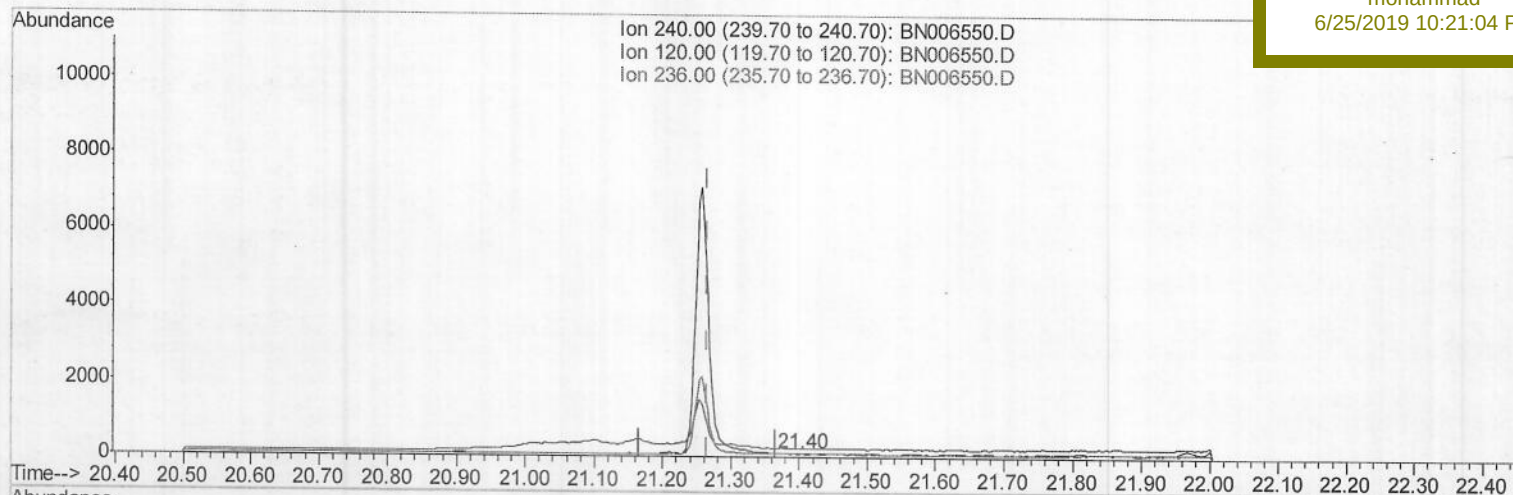
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
Data File : BN006550.D
Acq On : 25 Jun 2019 02:15
Operator : HP/JU
Sample : K3362-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 01:51:13 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41X8

Manual Integrations
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(16) Chrysene-d12 (I)

21.403min (+0.137) 0.40ng/ul

response 39

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	221.00#
236.00	30.10	82.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

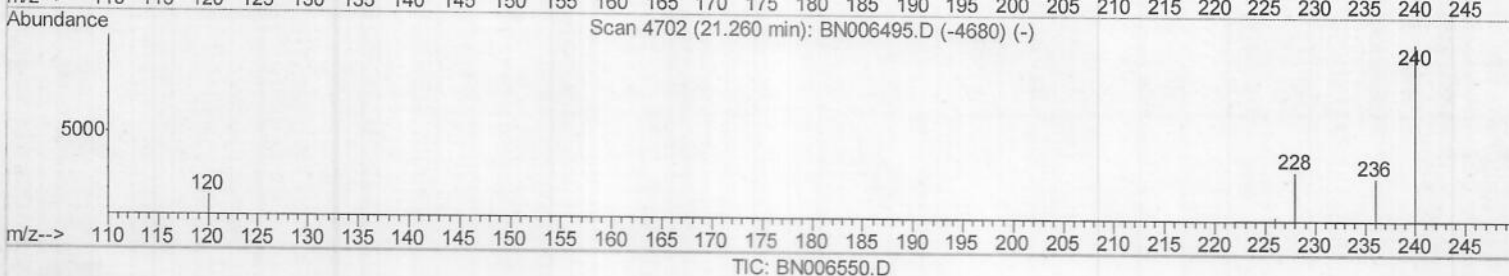
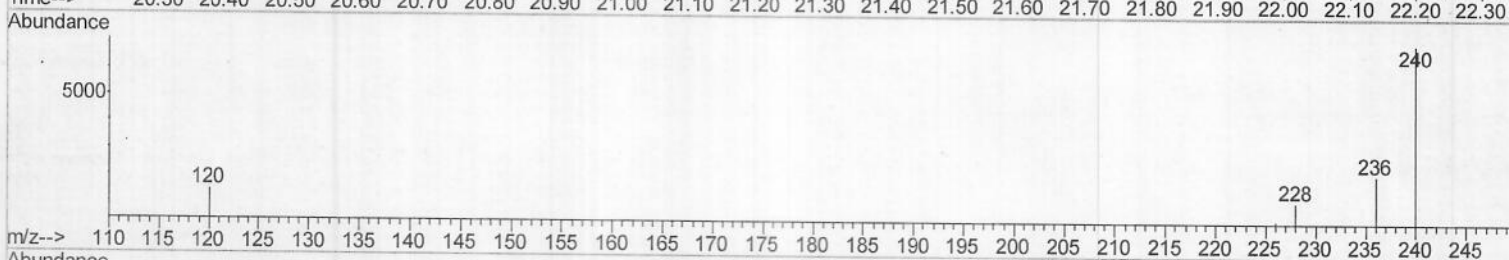
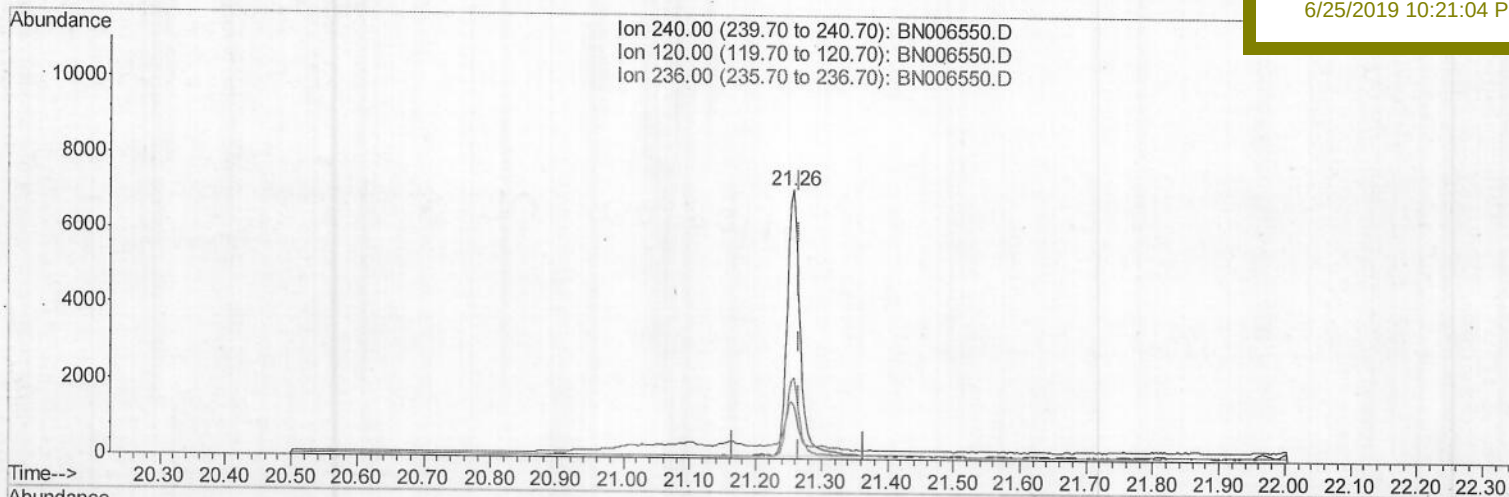
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006550.D
 Acq On : 25 Jun 2019 02:15
 Operator : HP/JU
 Sample : K3362-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:13:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 A41X8

Manual Integrations
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 6/25/2019 10:21:04 PM



(16) Chrysene-d12 (I)

21.257min (-0.009) 0.40ng/ul m

response 9747

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	20.24
236.00	30.10	29.85
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

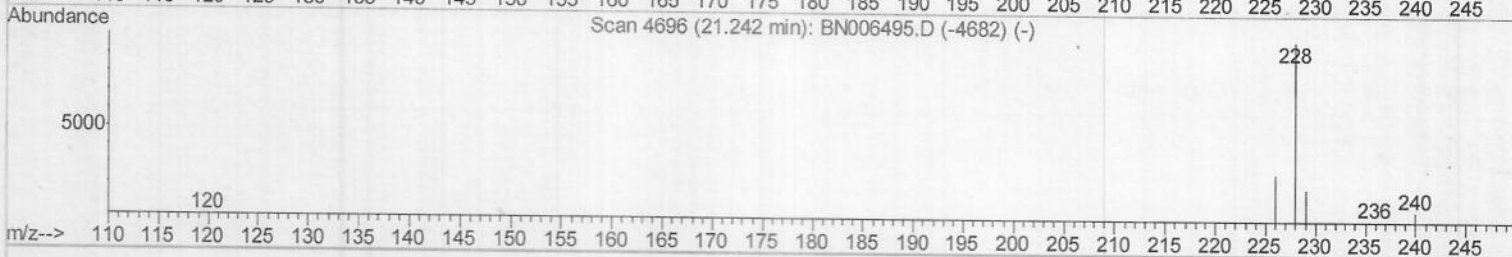
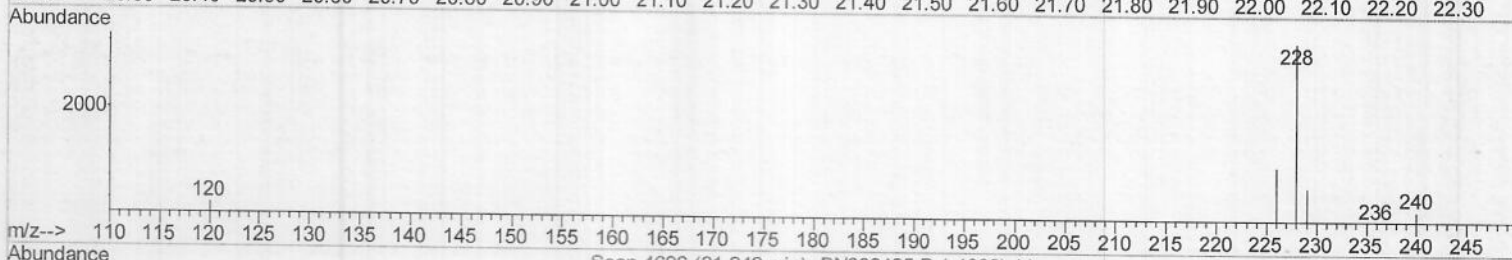
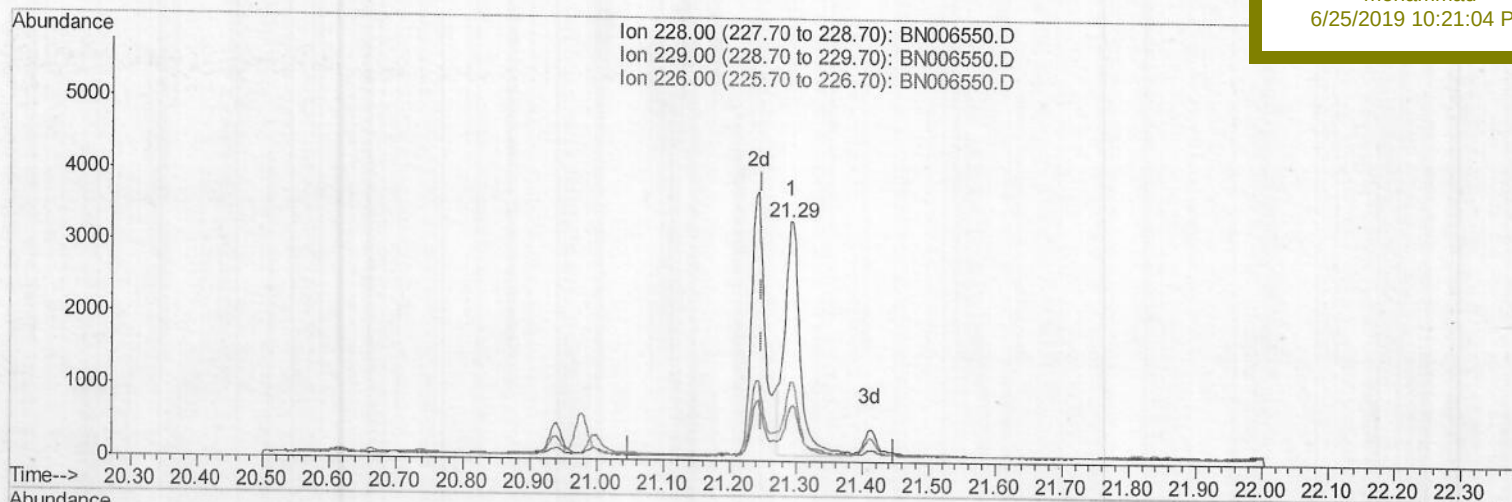
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
APPROVEDmohammad
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(18) Benzo(a)anthracene

21.292min (+0.044) 0.12ng/ul

response 5336

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.90
226.00	28.50	32.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

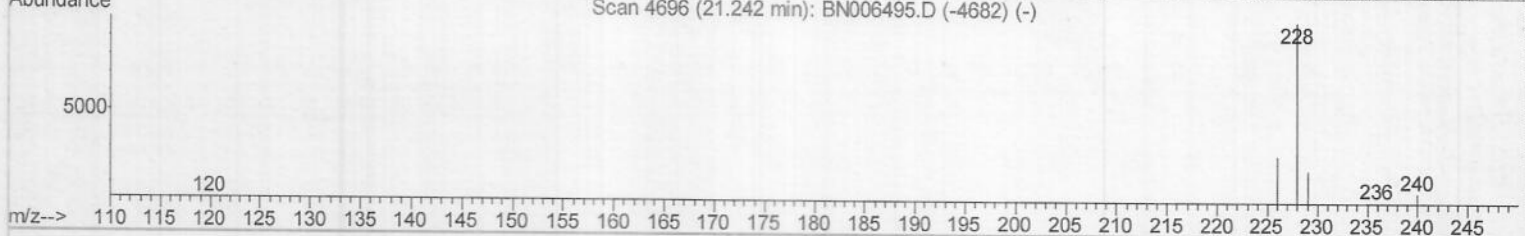
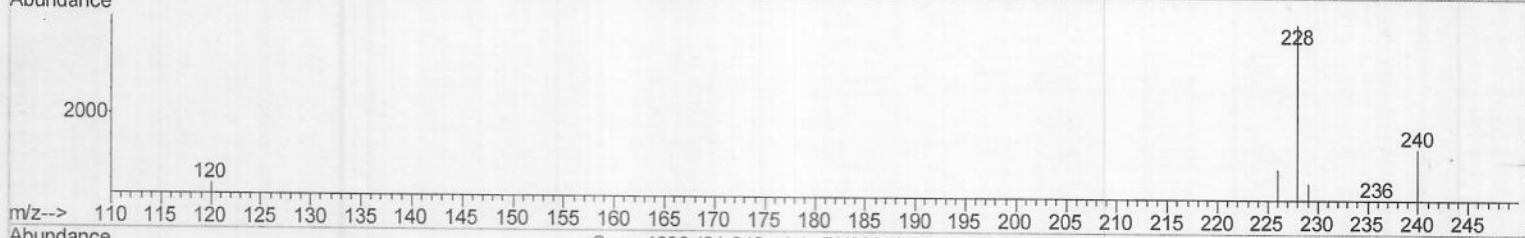
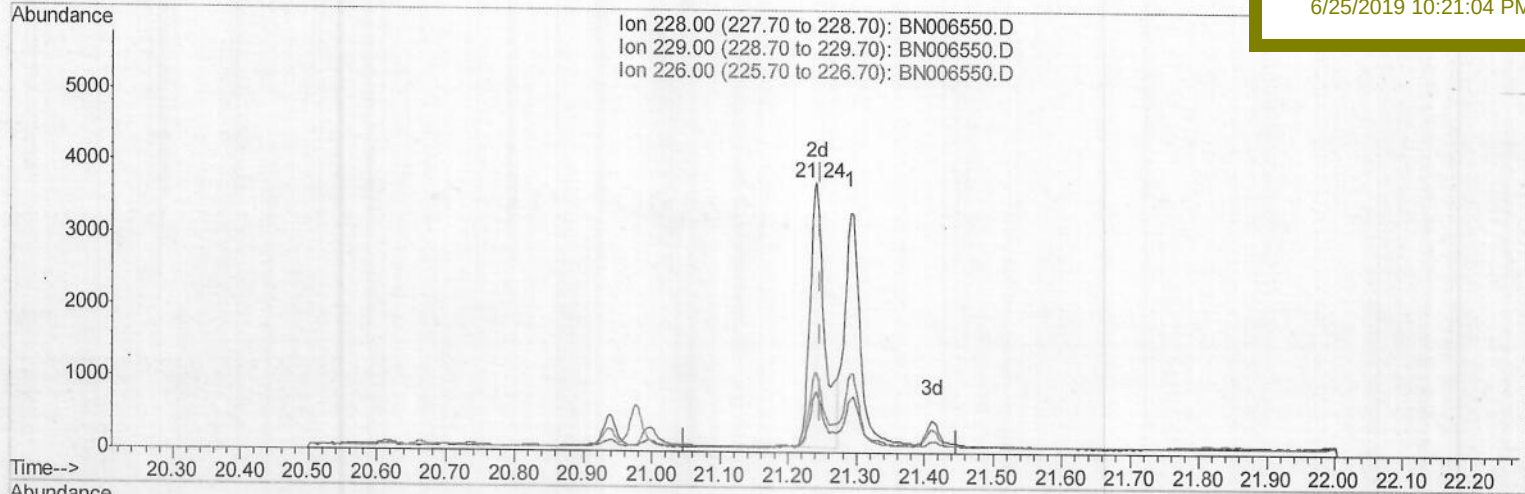
A41X8

Manual Integrations

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6/25/2019 10:21:04 PM



TIC: BN006550.D

(18) Benzo(a)anthracene

21.242min (-0.006) 0.13ng/ul m

response 5394

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.18
226.00	28.50	29.73
0.00	0.00	0.00

> JU 06/26/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

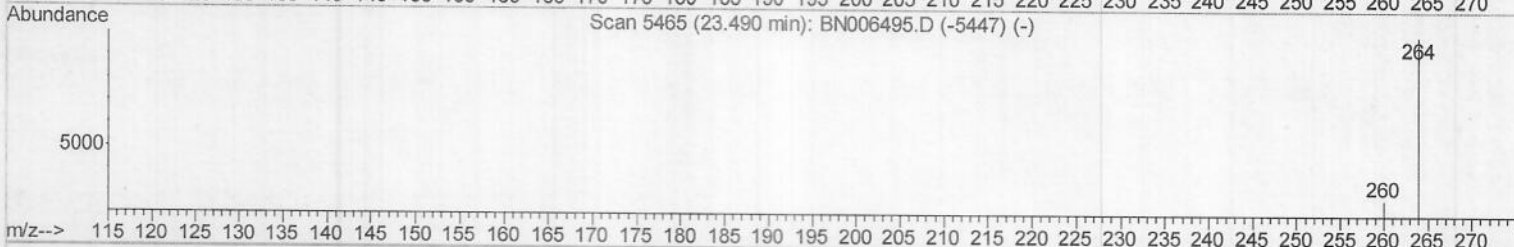
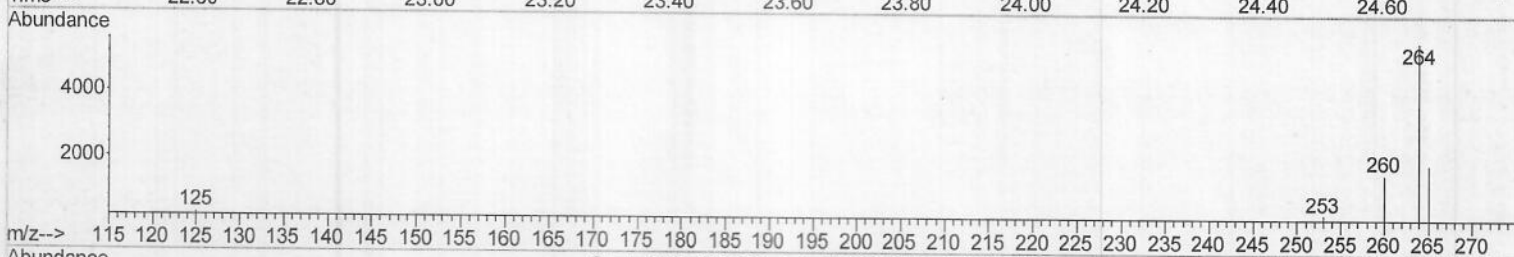
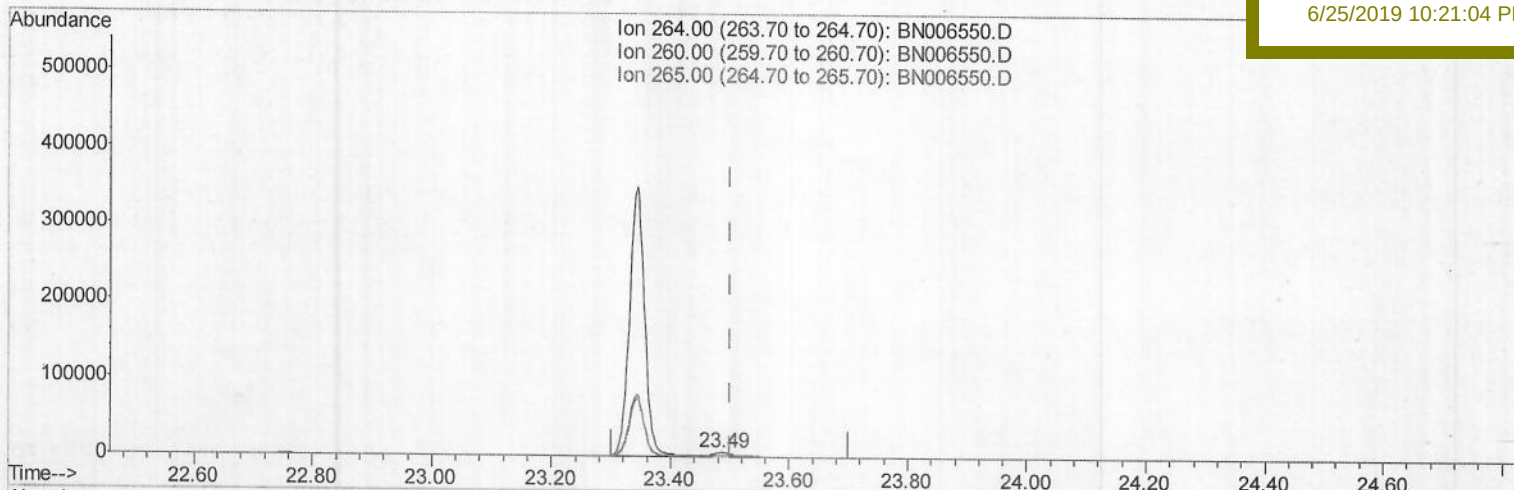
A41X8

Manual Integrations

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6/25/2019 10:21:04 PM



(20) Perylene-d12 (I)

23.487min (-0.014) 0.40ng/ul

response 13842

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	28.20
265.00	44.70	33.05#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

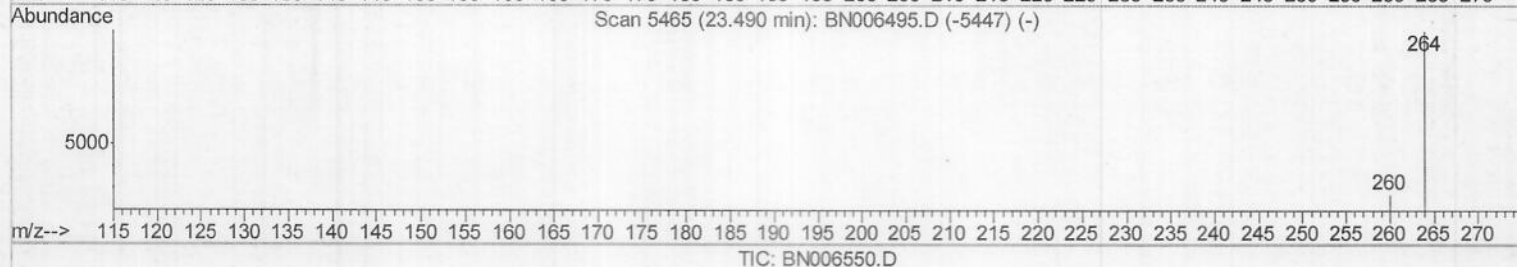
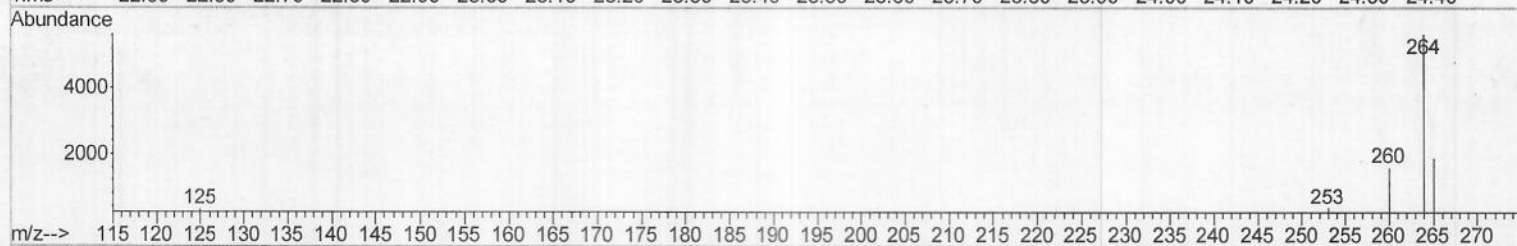
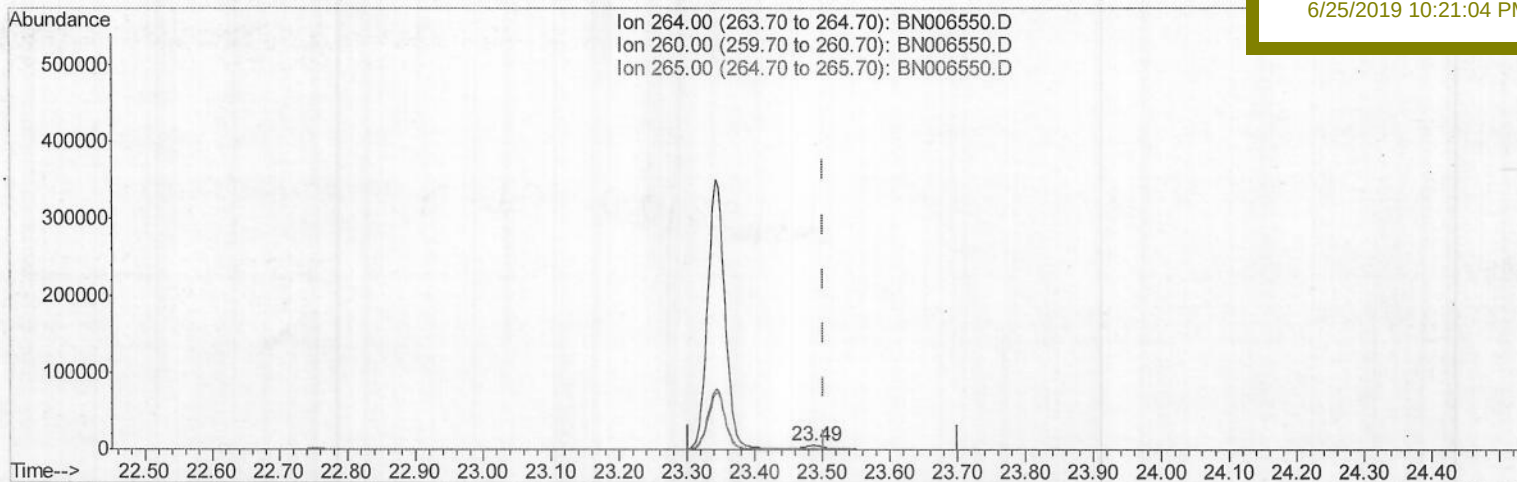
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
APPROVEDmohammad
6/25/2019 10:21:04 PM

TIC: BN006550.D

(20) Perylene-d12 (I)

23.487min (-0.014) 0.40ng/ul m

response 8682

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	28.20
265.00	44.70	33.05#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

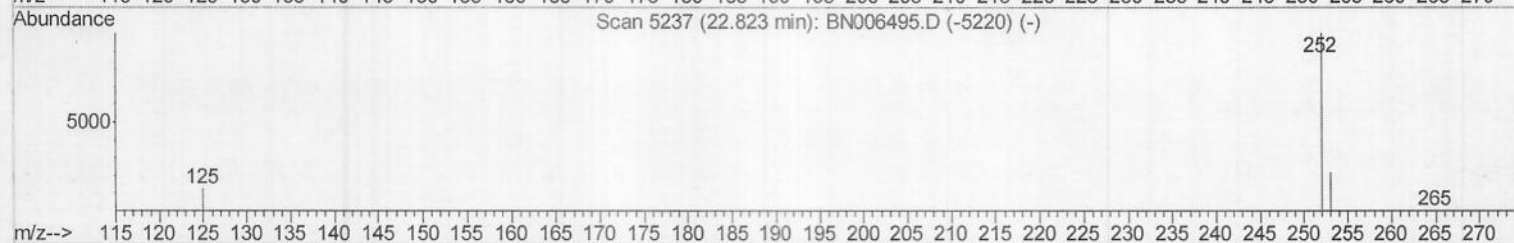
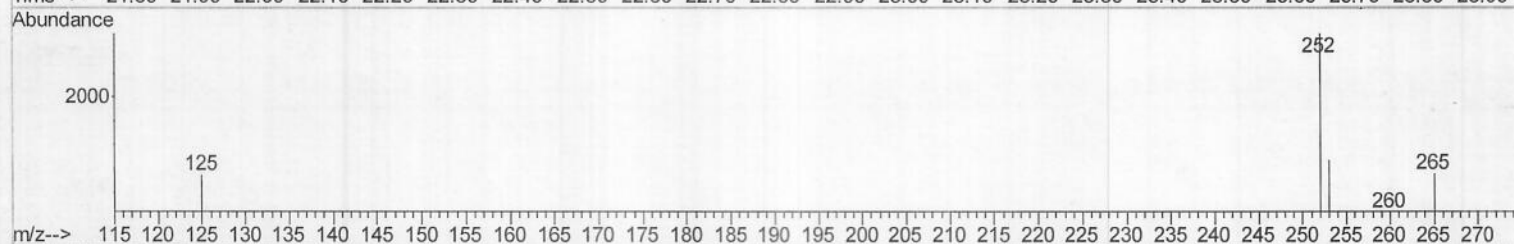
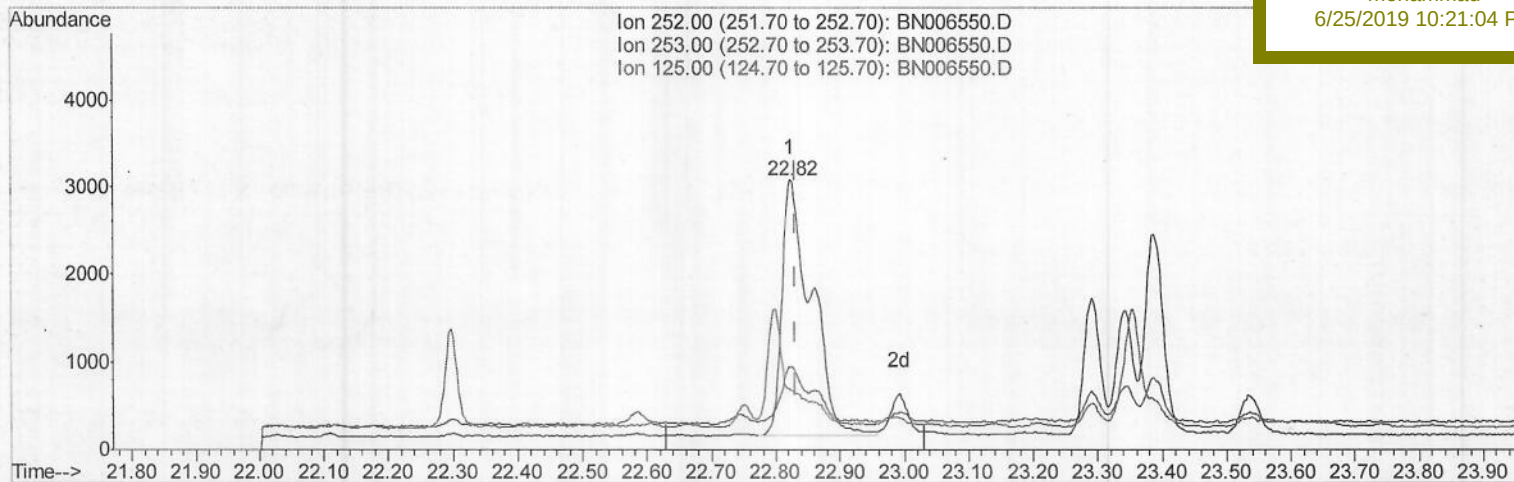
ClientSampleId :

A41X8

Manual Integrations
APPROVED

mohammad

6/25/2019 10:21:04 PM



TIC: BN006550.D

(21) Benzo(b)fluoranthene

22.823min (-0.009) 0.26ng/ul

response 9234

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.57
125.00	20.50	22.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA_N

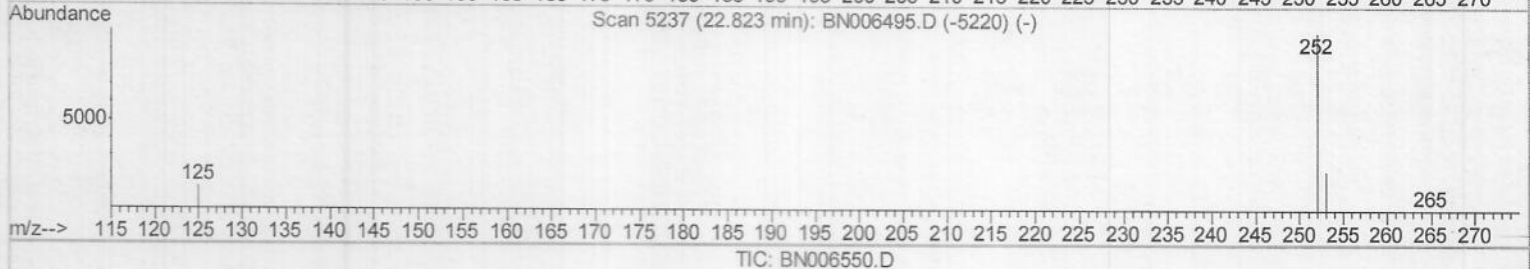
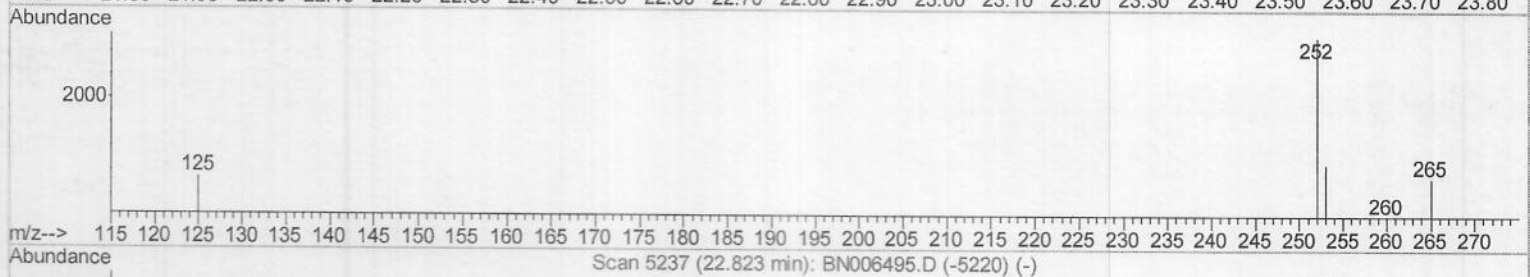
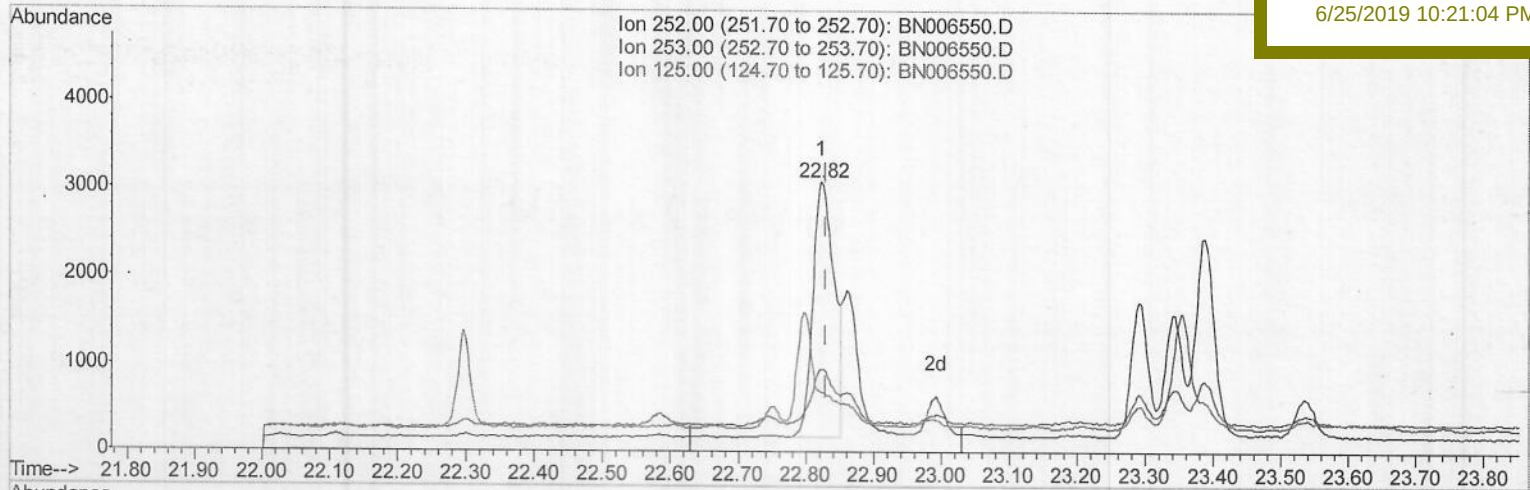
Client Sampled :

A41X8

Manual Integrations
APPROVED

mohammad

6/25/2019 10:21:04 PM



(21) Benzo(b)fluoranthene

22.823min (-0.009) 0.18ng/ul m

response 6455

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.57
125.00	20.50	22.19
0.00	0.00	0.00

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

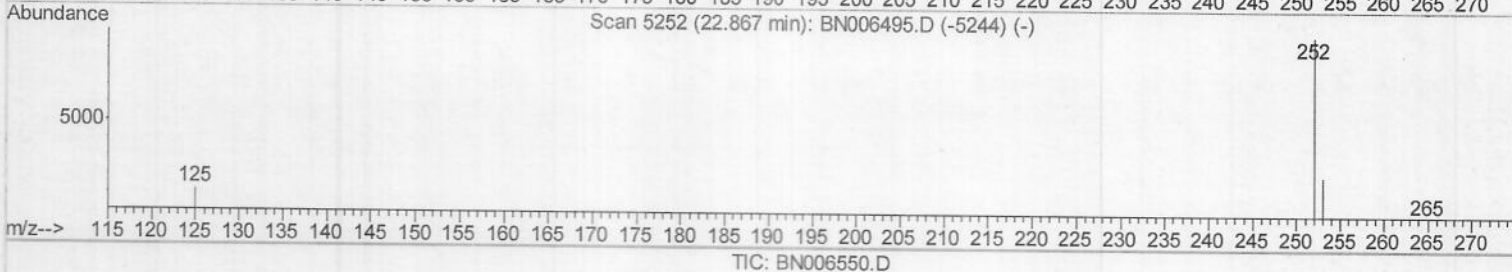
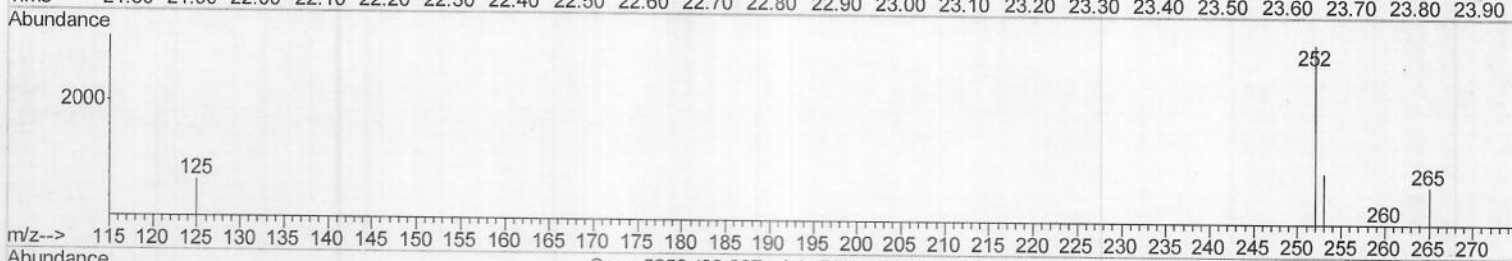
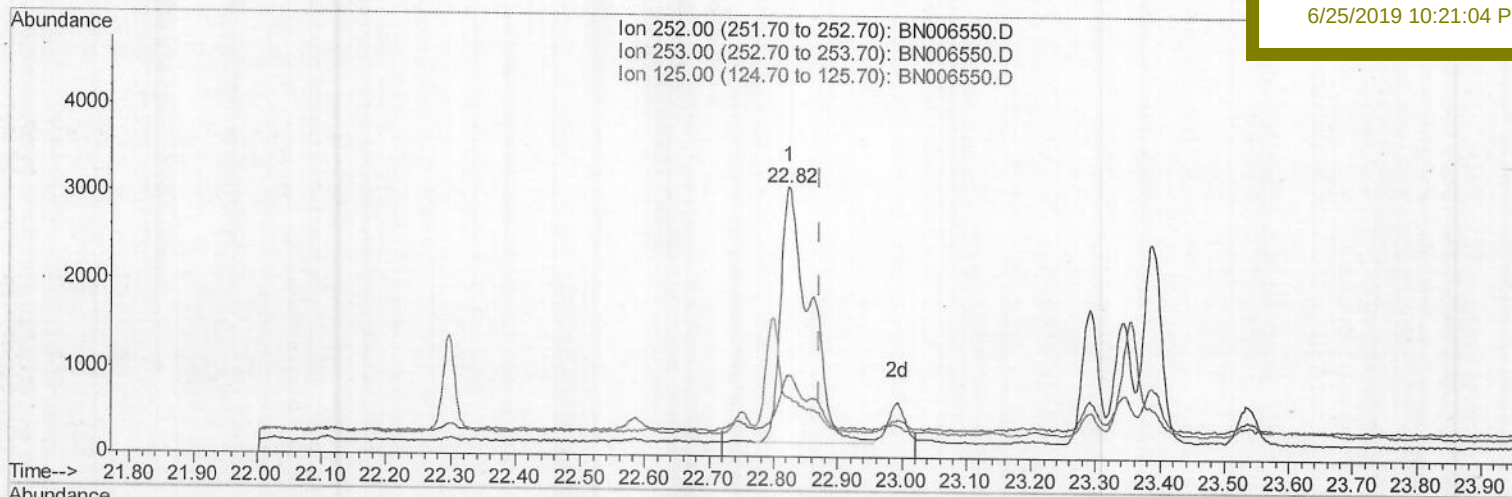
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41X8

Manual Integrations
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(22) Benzo(k)fluoranthene

22.823min (-0.050) 0.26ng/ul

response 9234

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	30.57#
125.00	17.90	22.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\

Data File : BN006550.D

Acq On : 25 Jun 2019 02:15

Operator : HP/JU

Sample : K3362-12

Misc :

ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 07:15:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

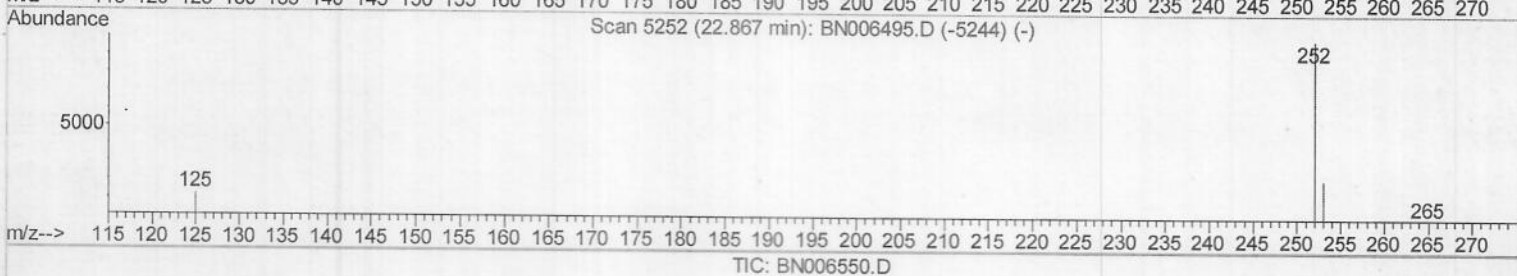
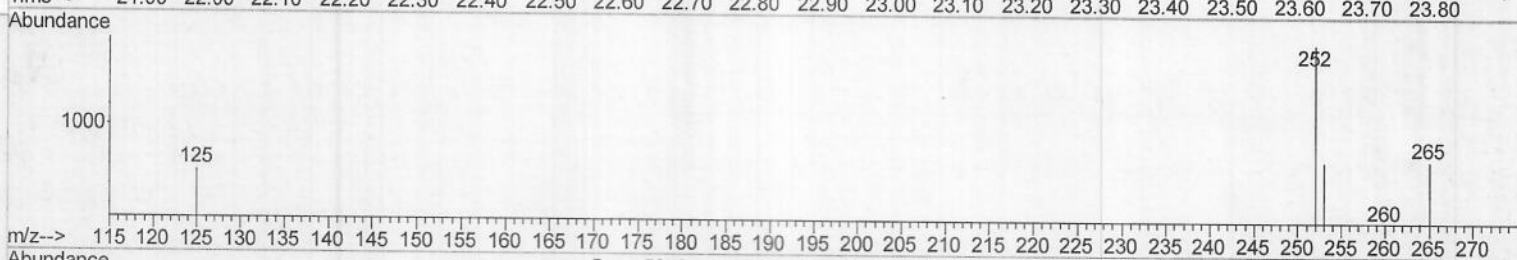
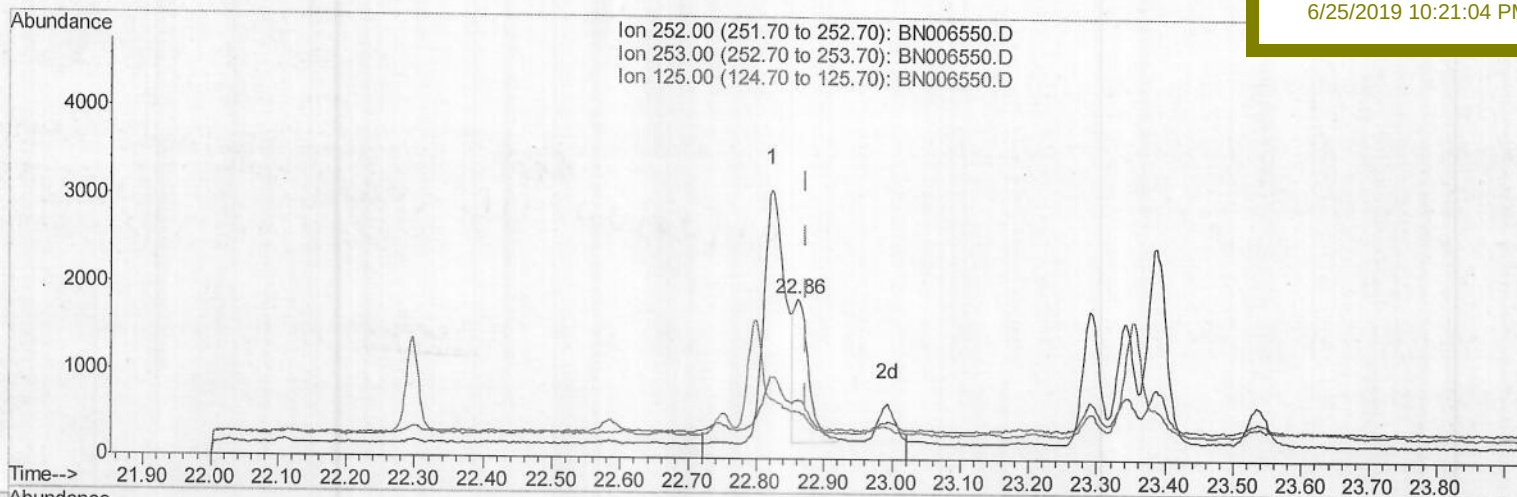
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

A41X8

Manual Integrations
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(22) Benzo(k)fluoranthene

22.861min (-0.011) 0.07ng/ul m

response 2561

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	36.68#
125.00	17.90	29.45#
0.00	0.00	0.00

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006550.D
 Acq On : 25 Jun 2019 02:15
 Operator : HP/JU
 Sample : K3362-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 A41X8

Quant Time: Jun 25 07:16:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 6/25/2019 10:21:04 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4822	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	18395	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9471	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	18061m >	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	9747m >	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	8682m >	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	7478	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	13009m >	0.27	ng/ul	0.00
Target Compounds						
12) Phenanthrene	17.08	178	7969	0.137	ng/ul	97
13) Anthracene	17.17	178	2048m >	0.037	ng/ul	
15) Fluoranthene	19.11	202	16318m >	0.255	ng/ul	
17) Pyrene	19.47	202	15279	0.298	ng/ul	97
18) Benzo(a)anthracene	21.24	228	5394m >	0.125	ng/ul	
19) Chrysene	21.29	228	5031	0.124	ng/ul	97
21) Benzo(b)fluoranthene	22.82	252	6455m >	0.178	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	2561m >	0.073	ng/ul	
23) Benzo(a)pyrene	23.39	252	4385	0.130	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.73	276	3041	0.083	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	940	0.032	ng/ul#	49
26) Benzo(g,h,i)perylene	26.41	276	2379	0.078	ng/ul	93

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

JU
 06/26/19