

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:30:24 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 : Mon Jun 17 11:13:07 2019

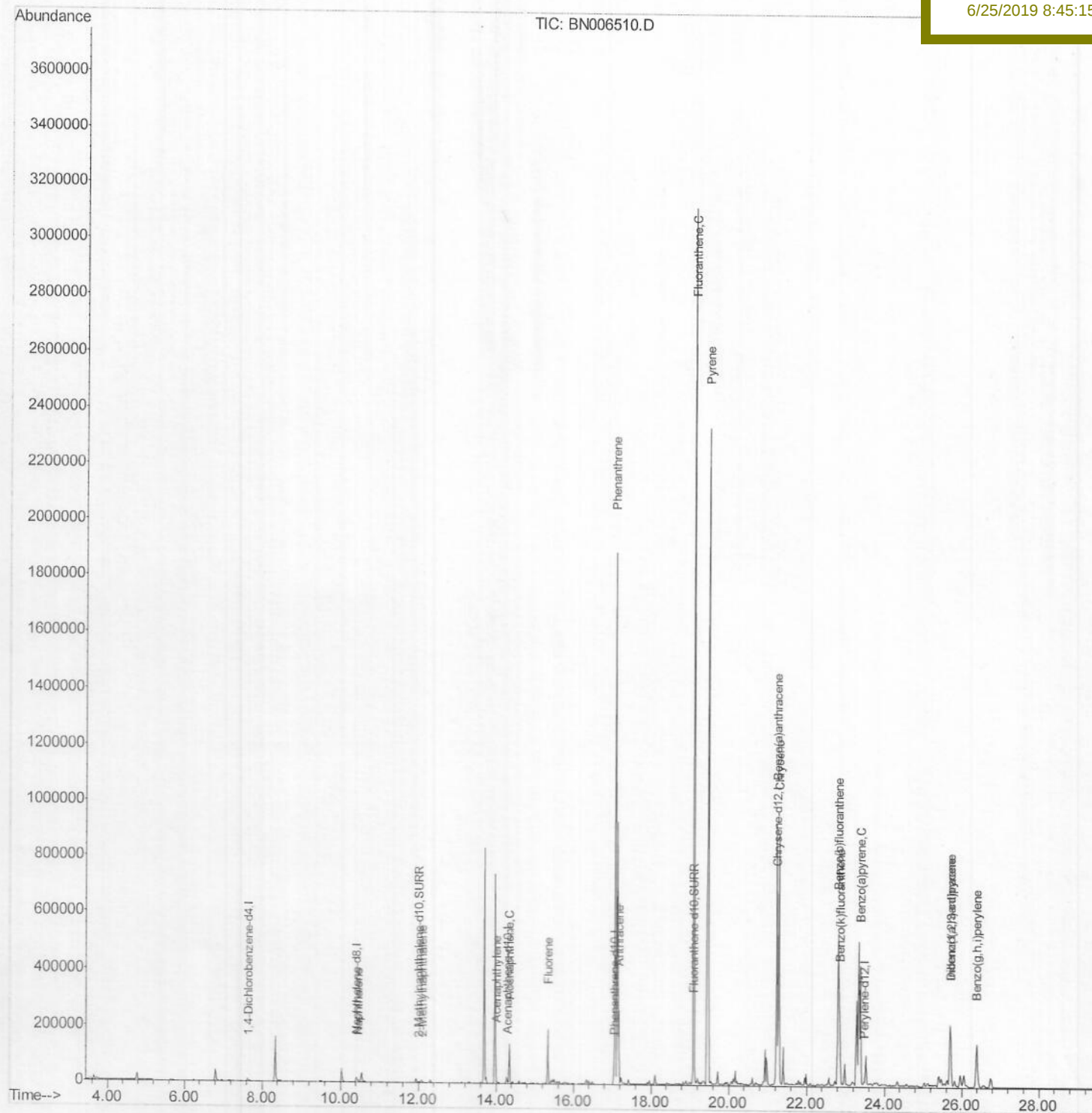
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:26:36 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 : Mon Jun 17 11:13:07 2019

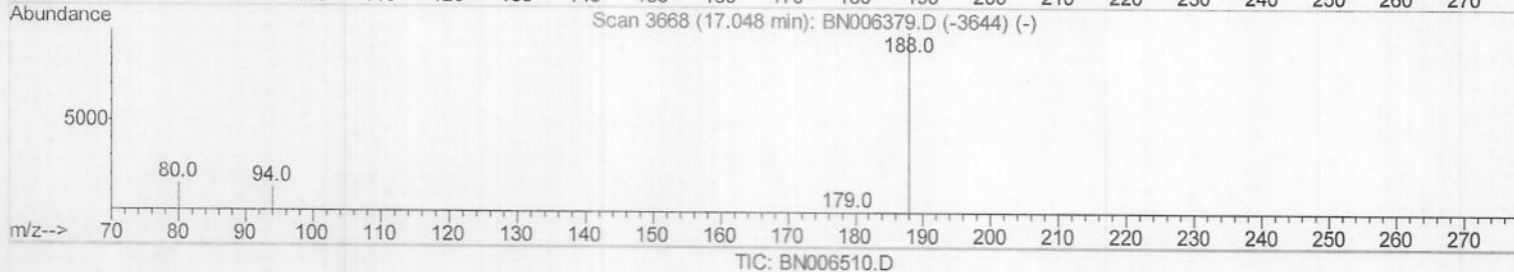
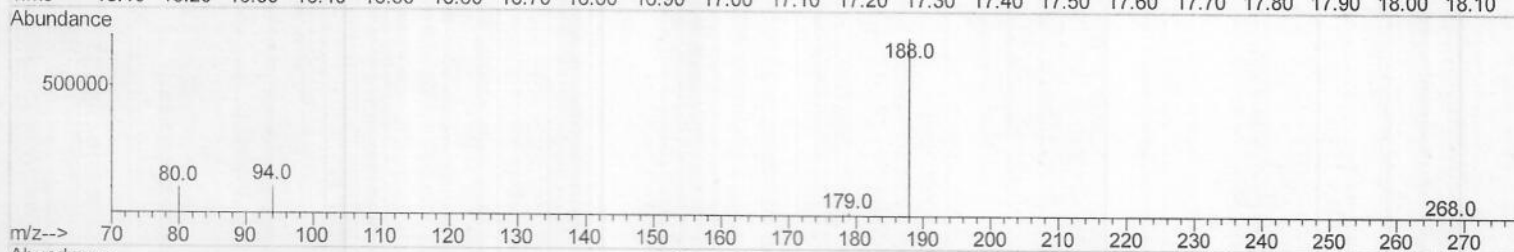
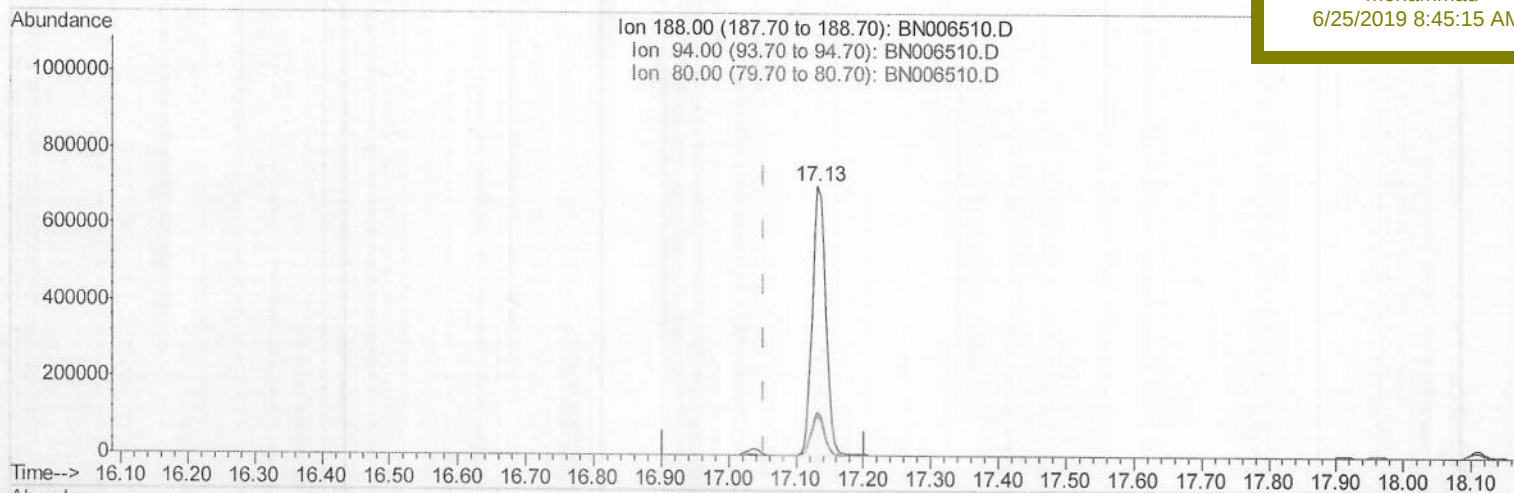
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(10) Phenanthrene-d10 (I)

17.133min (+0.080) 0.40ng/ul

response 974239

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.89#
80.00	13.60	14.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:26:36 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 : Mon Jun 17 11:13:07 2019

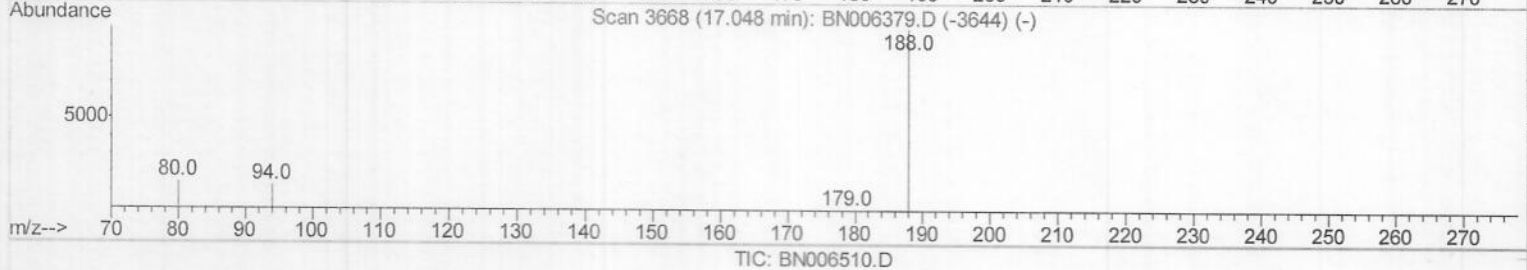
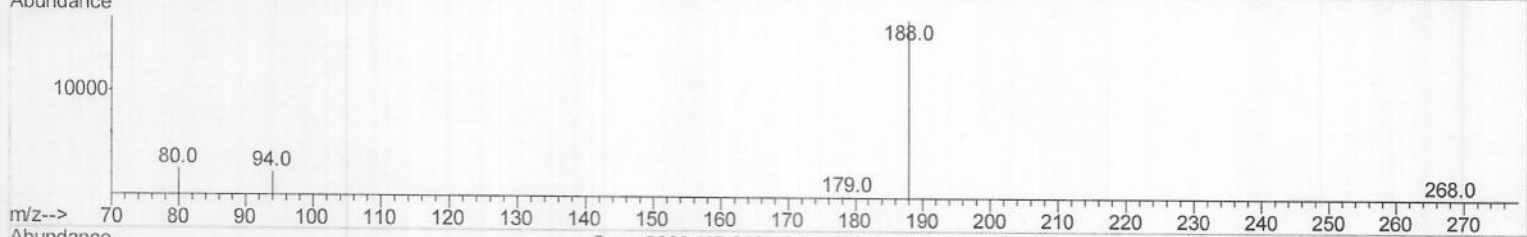
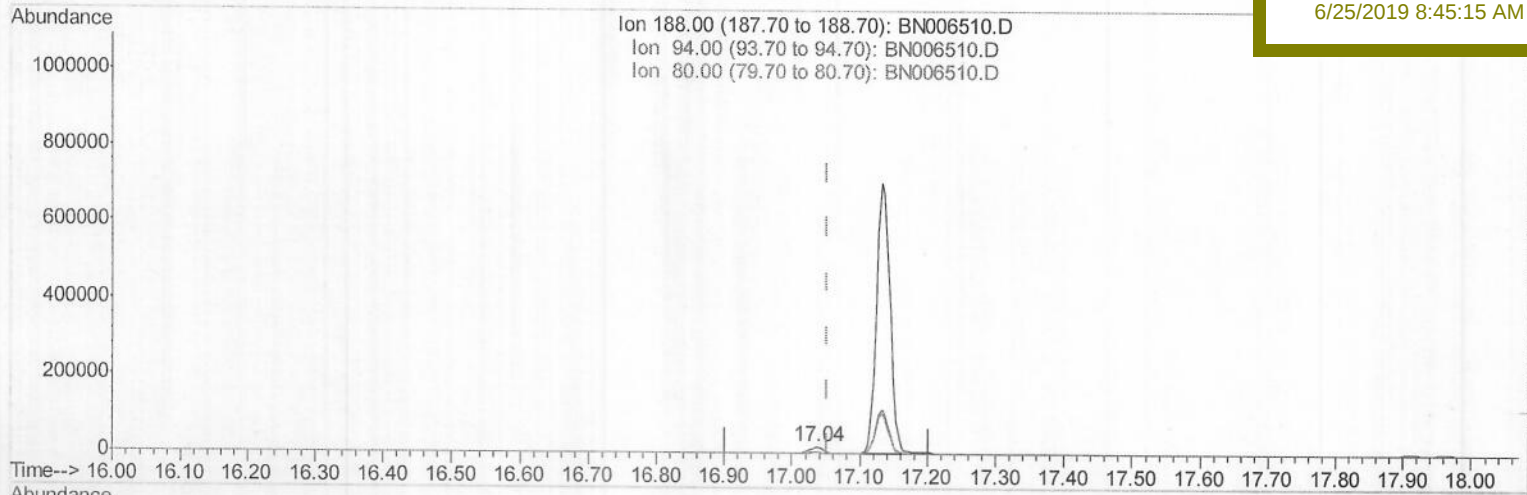
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(10) Phenanthrene-d10 (I)

17.035min (-0.017) 0.40ng/ul m & JU 06/26/19

response 23109

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.51
80.00	13.60	15.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

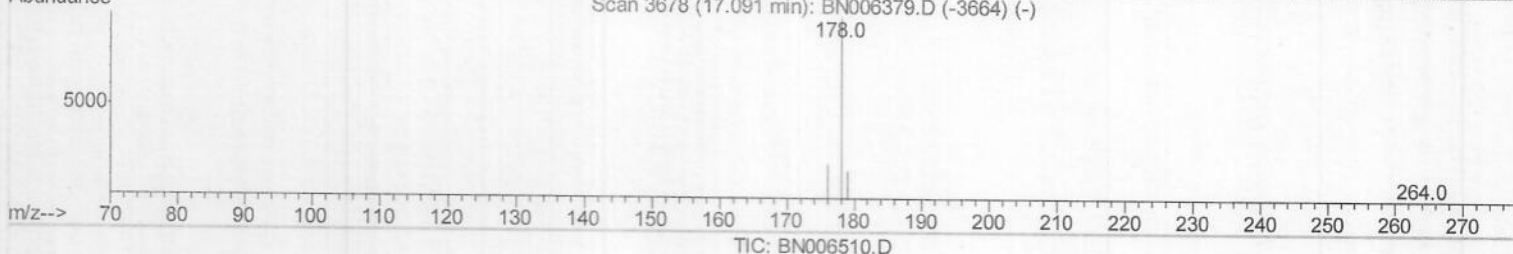
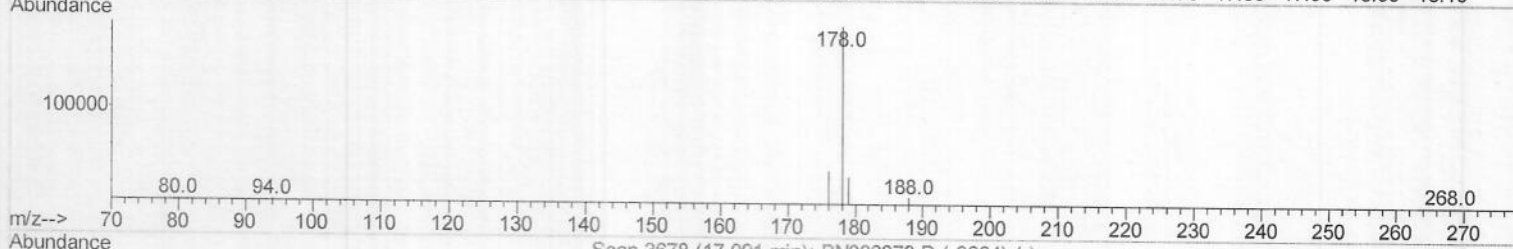
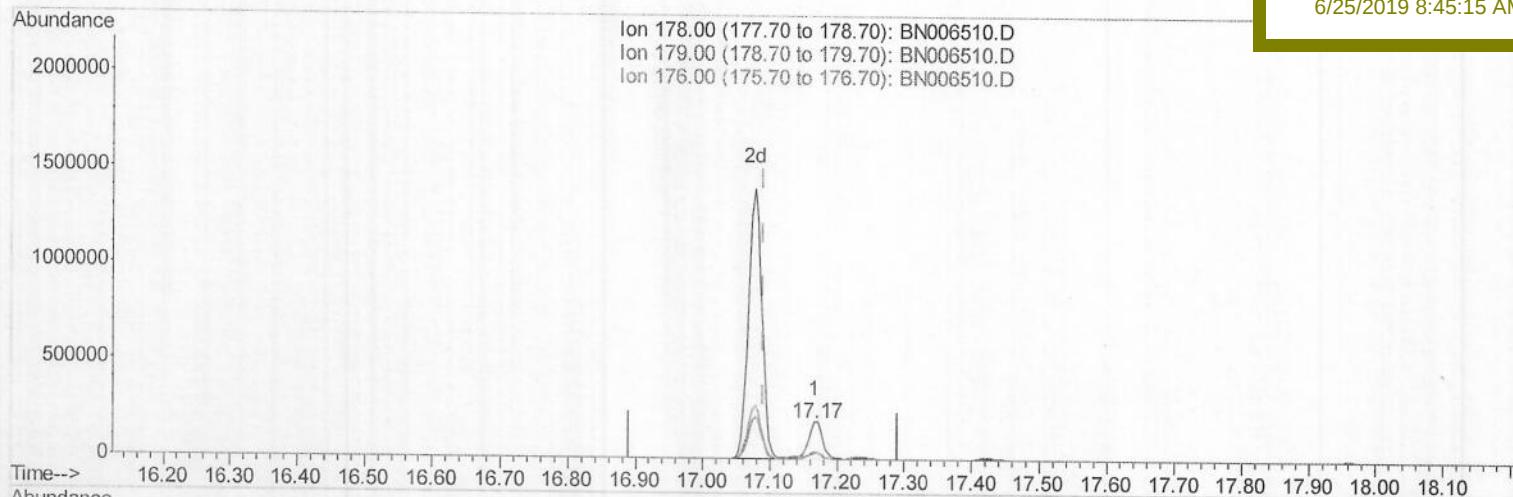
A41T6

Manual Integrations

APPROVED

mohammad

6/25/2019 8:45:15 AM



(12) Phenanthrene

17.166min (+0.076) 3.63ng/ul

response 269331

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.60
176.00	19.10	19.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

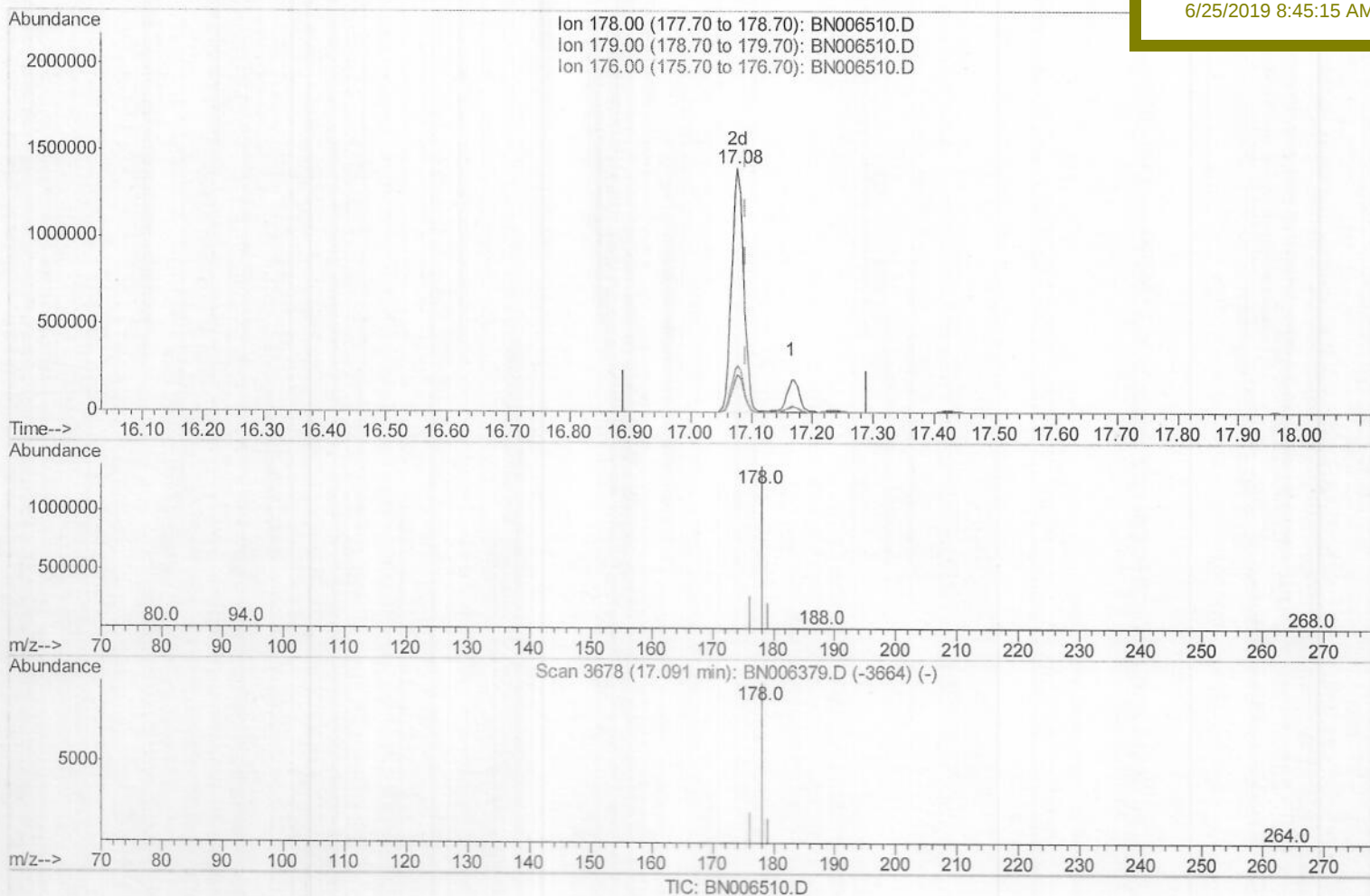
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(12) Phenanthrene

17.078min (-0.013) 26.02ng/ul m

> JU 06/26/19

response 1930313

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.63
176.00	19.10	19.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

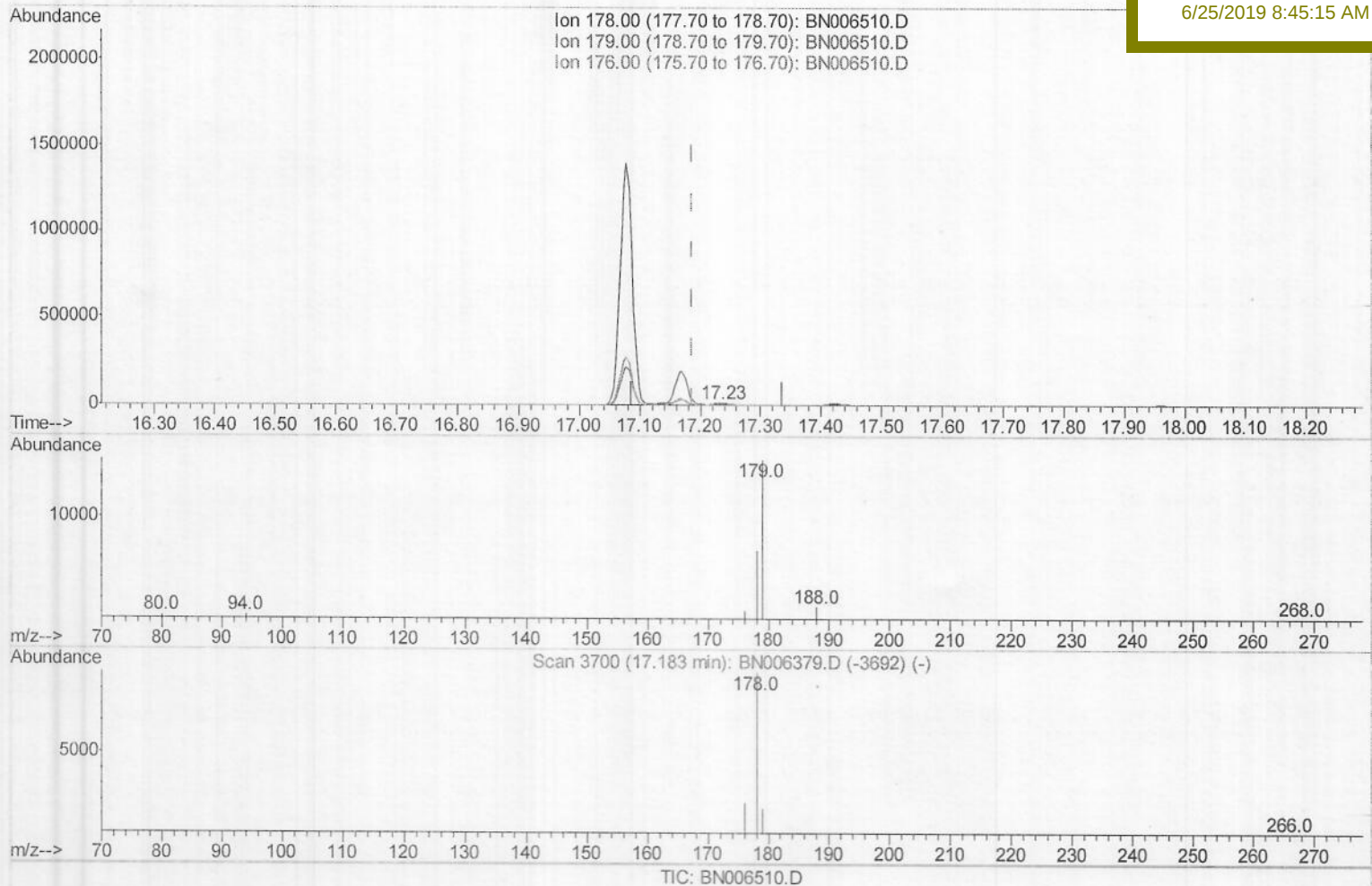
A41T6

Manual Integrations

APPROVED

mohammad

6/25/2019 8:45:15 AM



(13) Anthracene

17.234min (+0.046) 0.14ng/ul

response 9629

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	234.53#
176.00	18.90	12.45#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

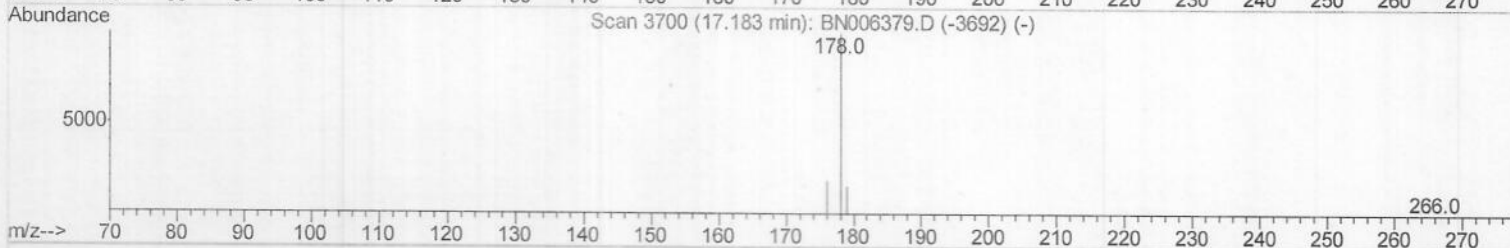
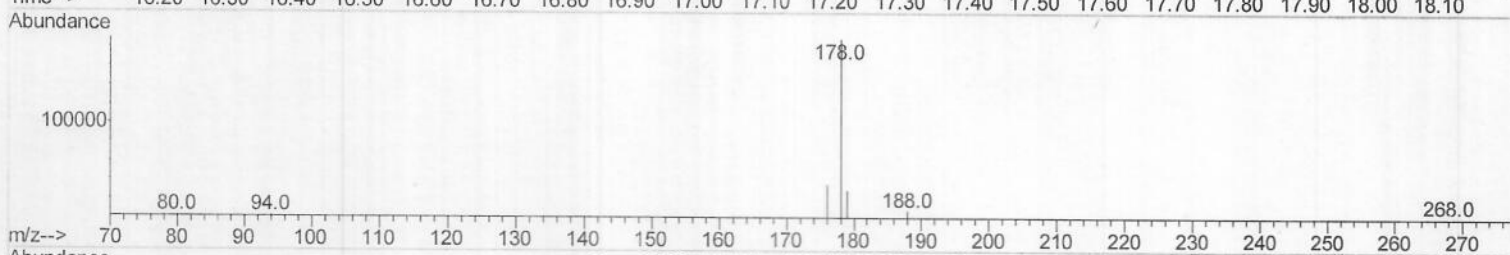
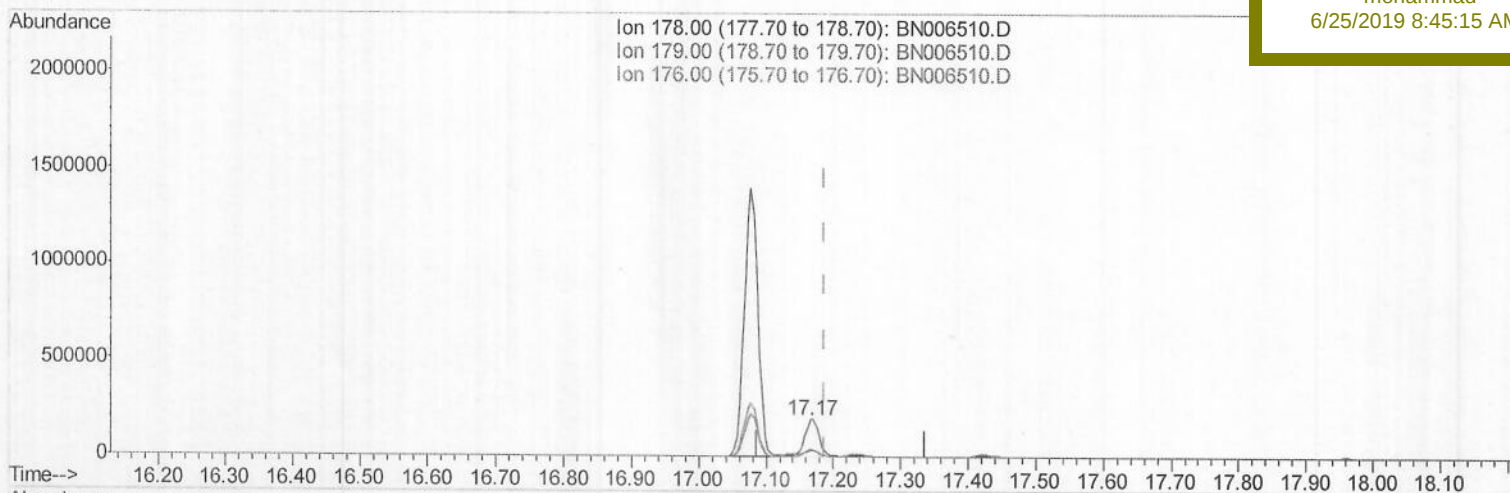
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(13) Anthracene

17.166min (-0.021) 3.96ng/ul m

> JU 06/26/19

response 280478

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.60
176.00	18.90	19.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

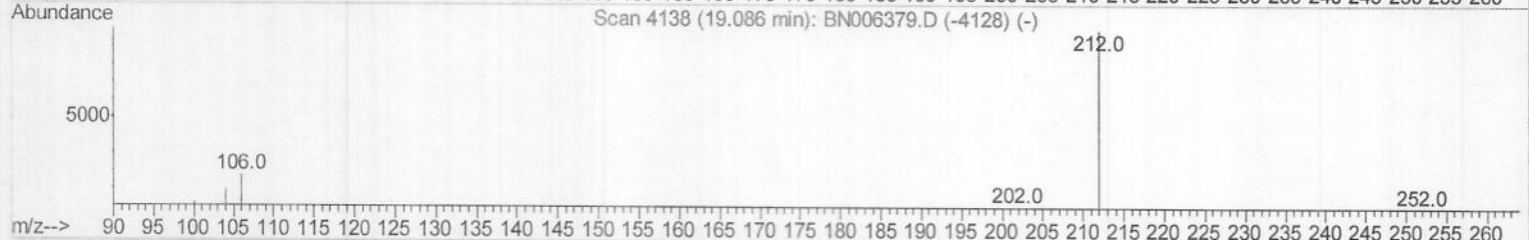
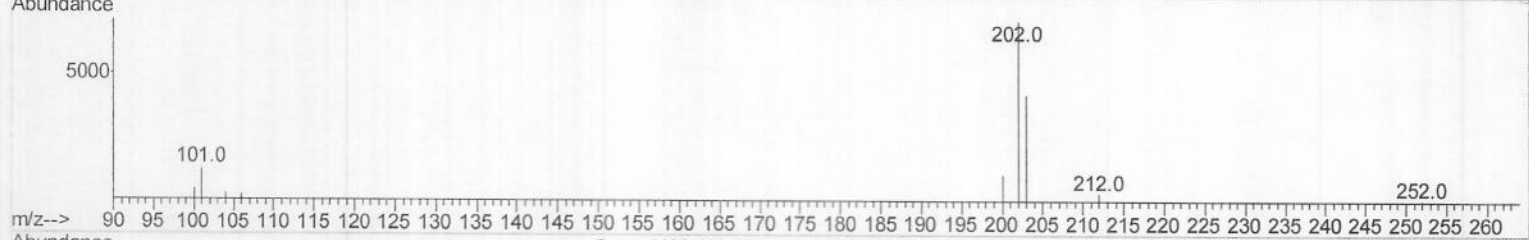
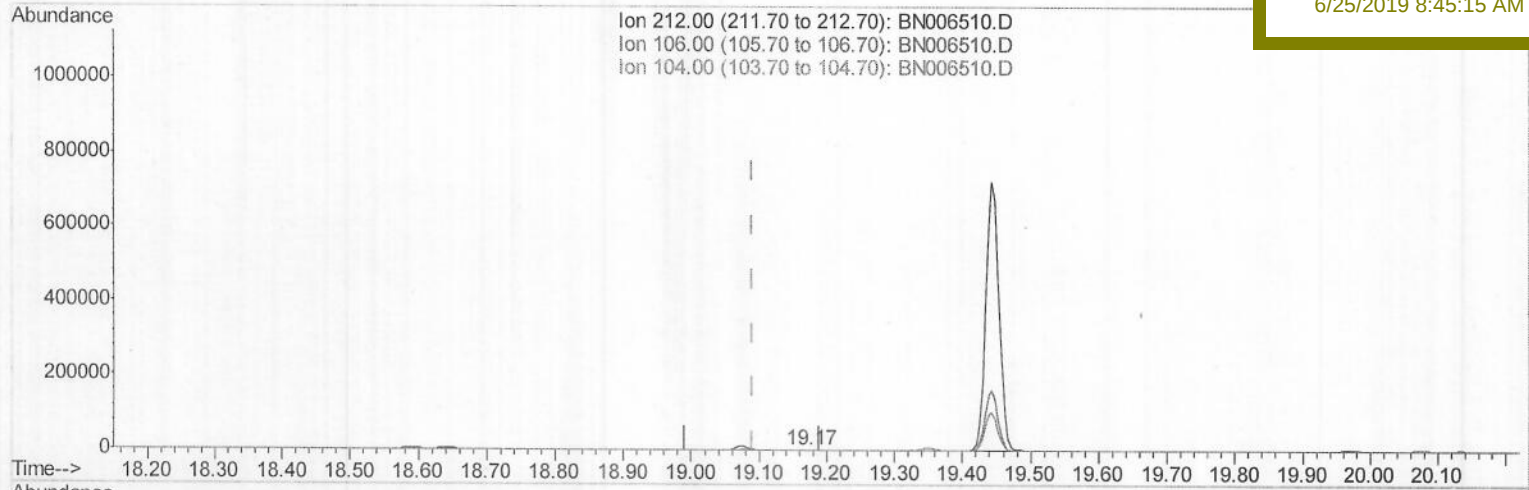
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(14) Fluoranthene-d10 (SURR)

19.174min (+0.084) 0.01ng/ul

response 423

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	29.79#
104.00	9.90	95.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

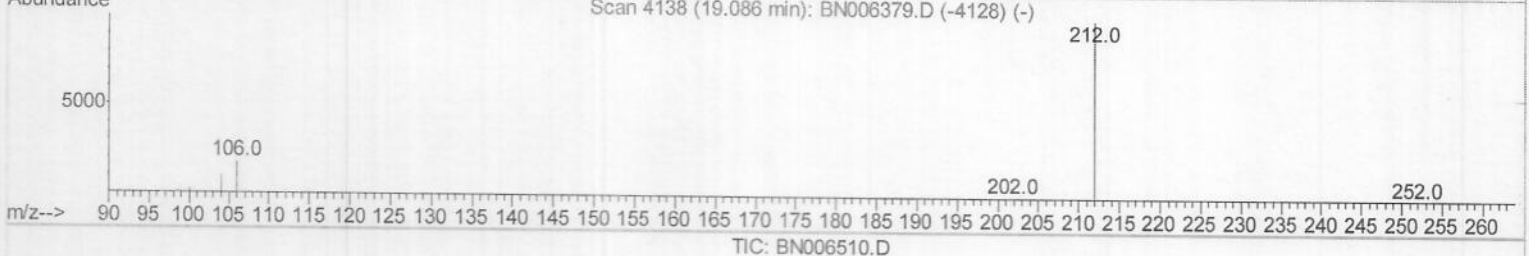
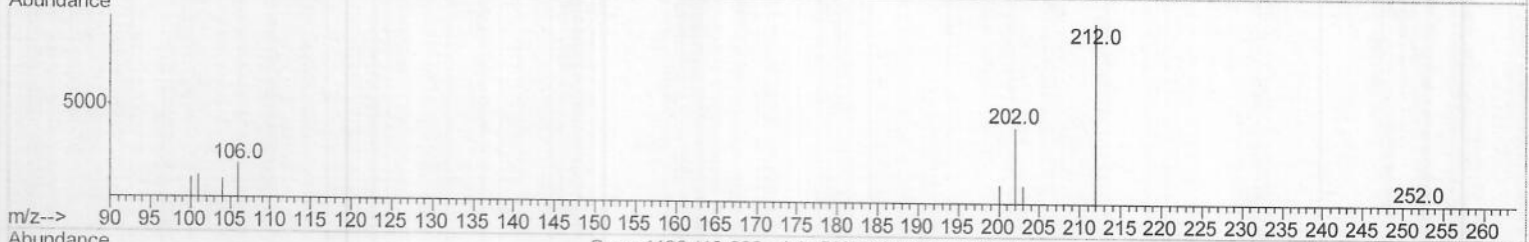
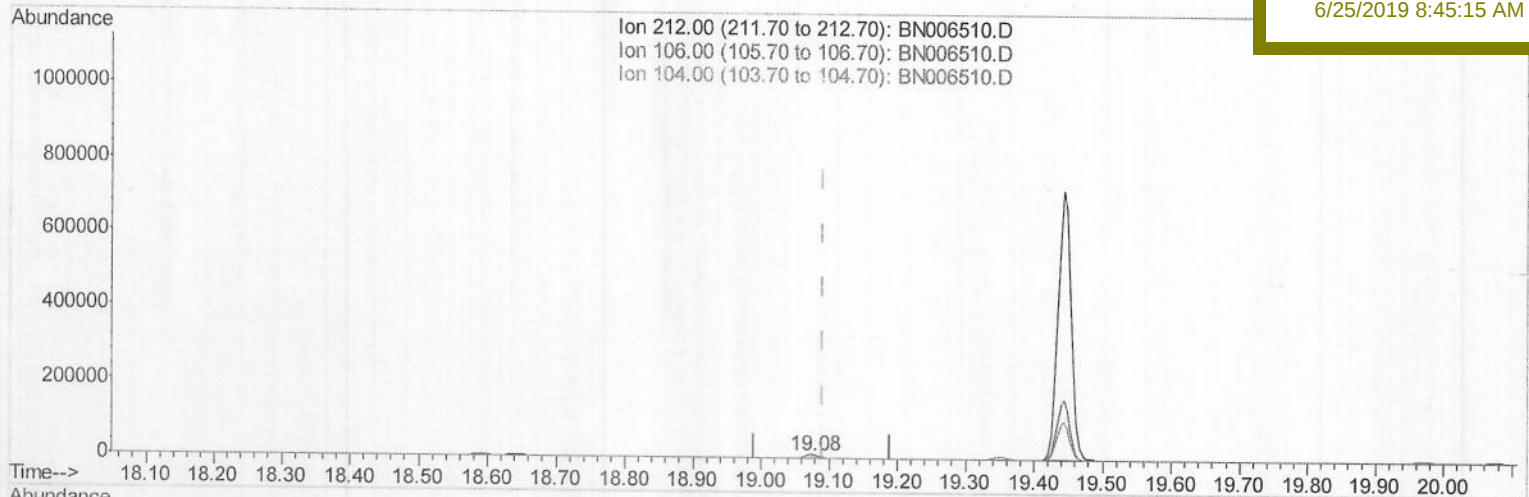
A41T6

Manual Integrations

APPROVED

mohammad

6/25/2019 8:45:15 AM



TIC: BN006510.D

(14) Fluoranthene-d10 (SURR)

19.076min (-0.014) 0.21ng/ul m > JU 06/26/19

response 13097

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.96#
104.00	9.90	3.08#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

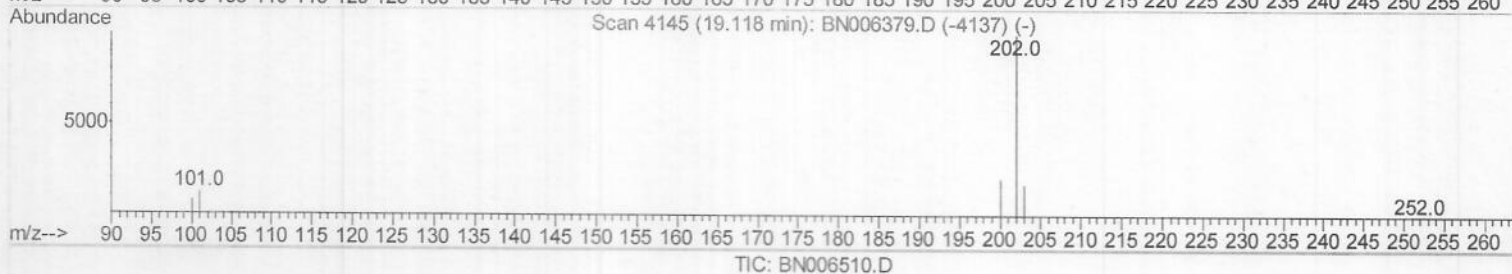
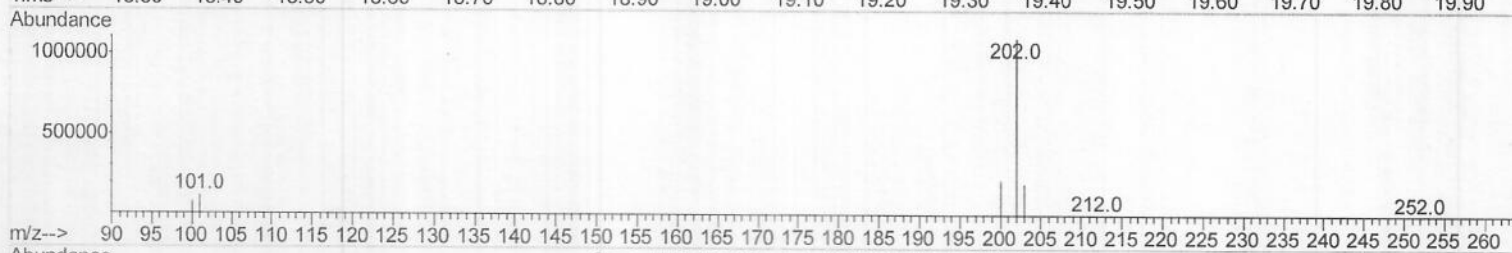
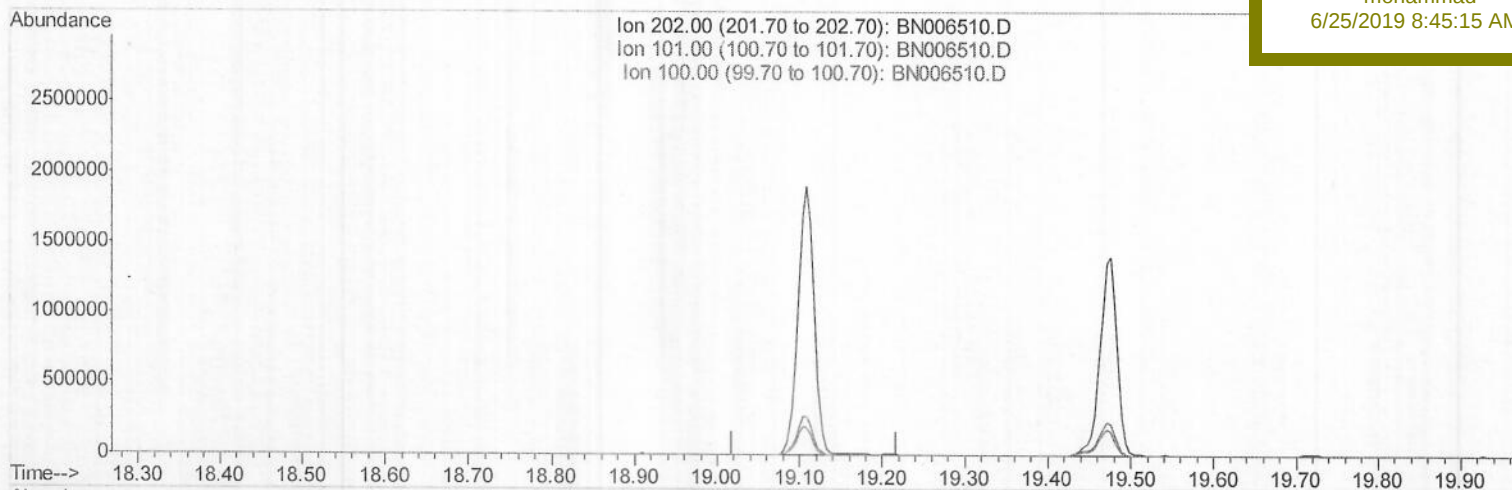
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(15) Fluoranthene (C)

19.118min (-19.118) 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

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

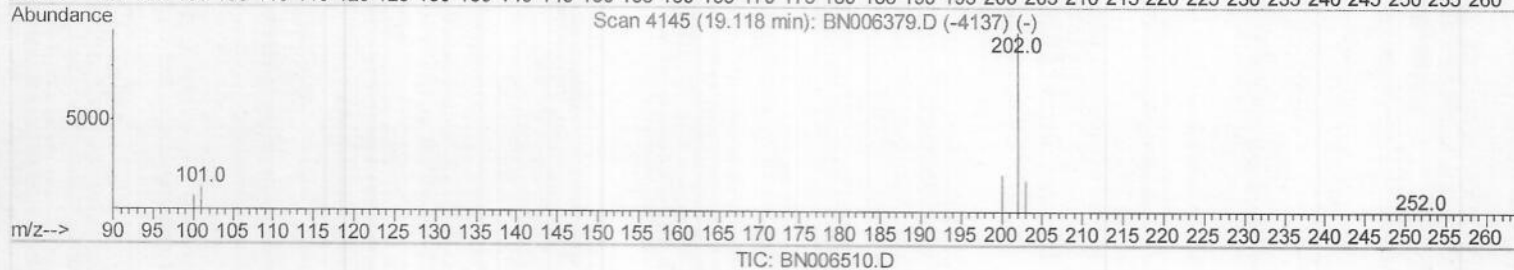
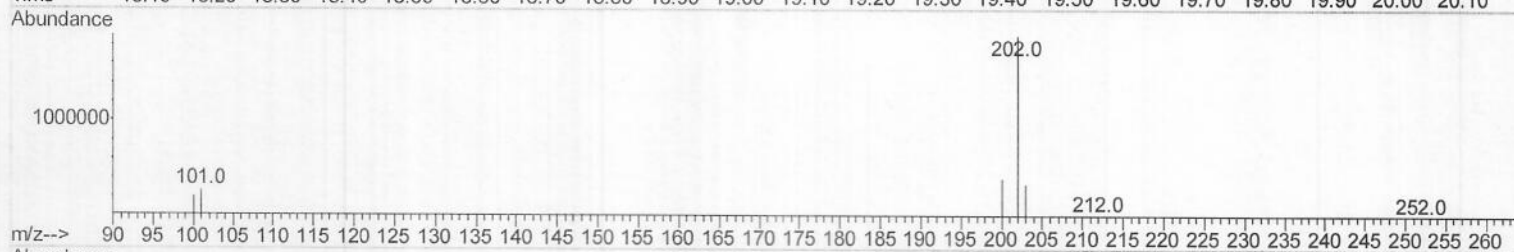
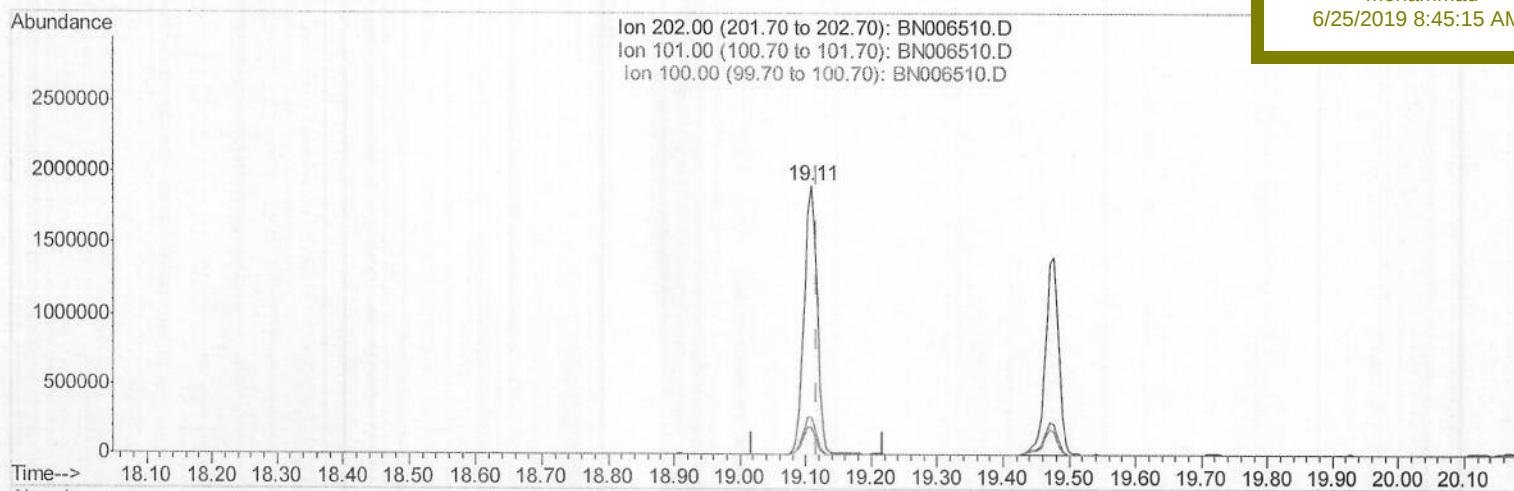
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(15) Fluoranthene (C)

19.109min (-0.009) 32.14ng/ul m

> JU 06/26/19

response 2632250

Ion	Exp%	Act%
-----	------	------

202.00	100	100
--------	-----	-----

101.00	12.10	13.96
--------	-------	-------

100.00	8.70	10.12
--------	------	-------

0.00	0.00	0.00
------	------	------

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

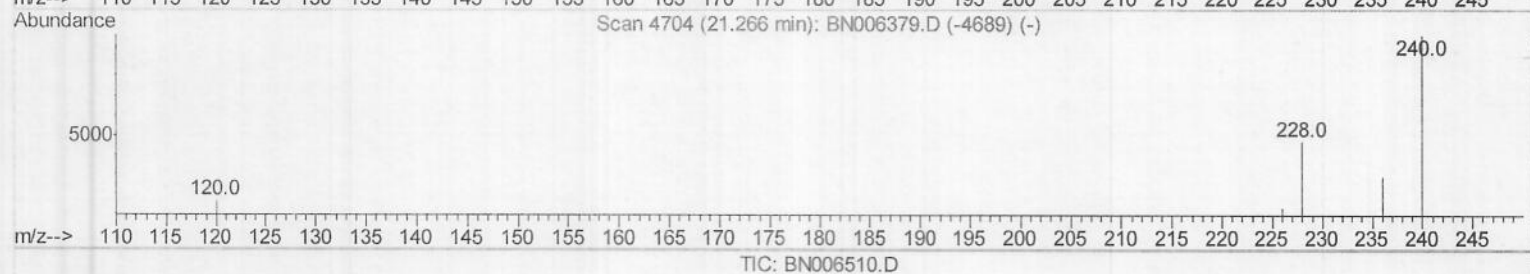
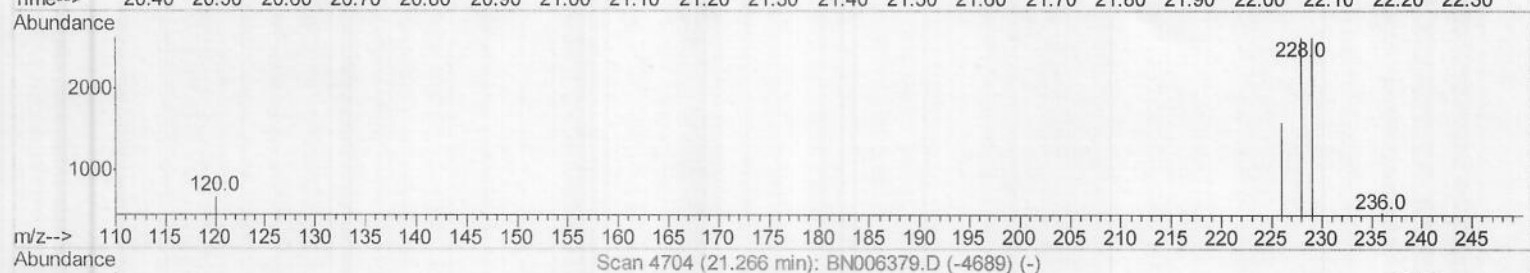
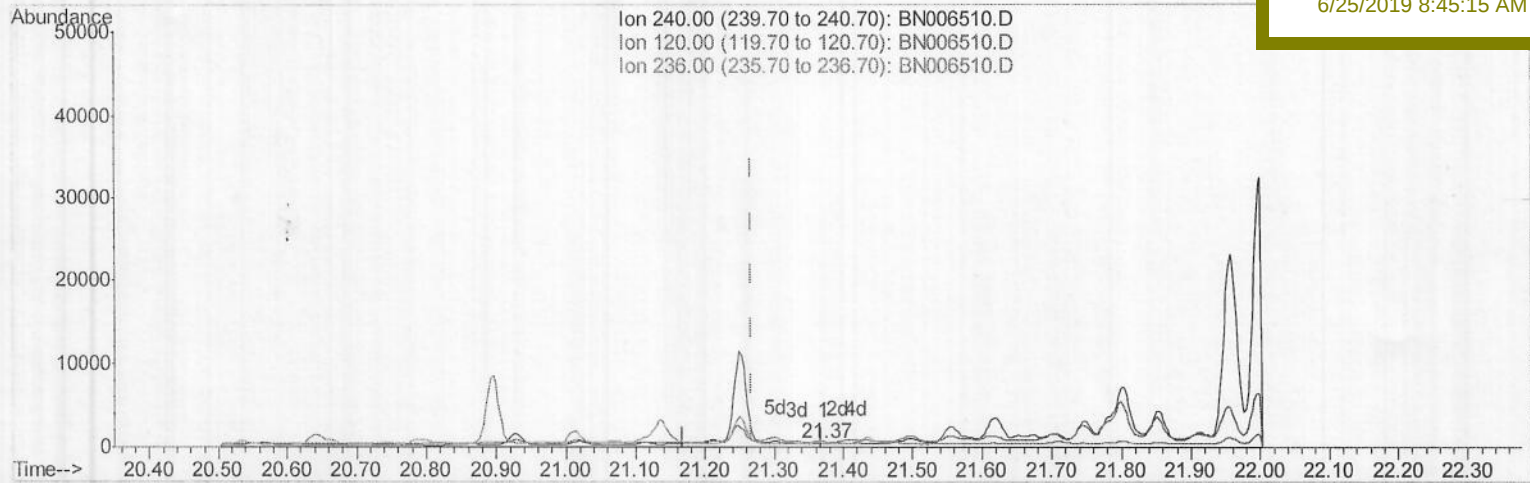
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(16) Chrysene-d12 (I)

21.372min (+0.104) 0.40ng/ul

response 97

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	151.22#
236.00	30.10	106.24#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:27:32 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 : Mon Jun 17 11:13:07 2019

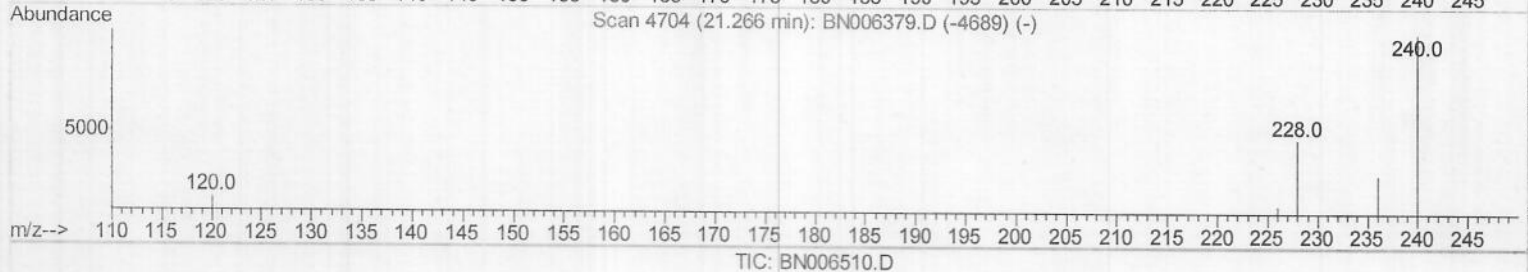
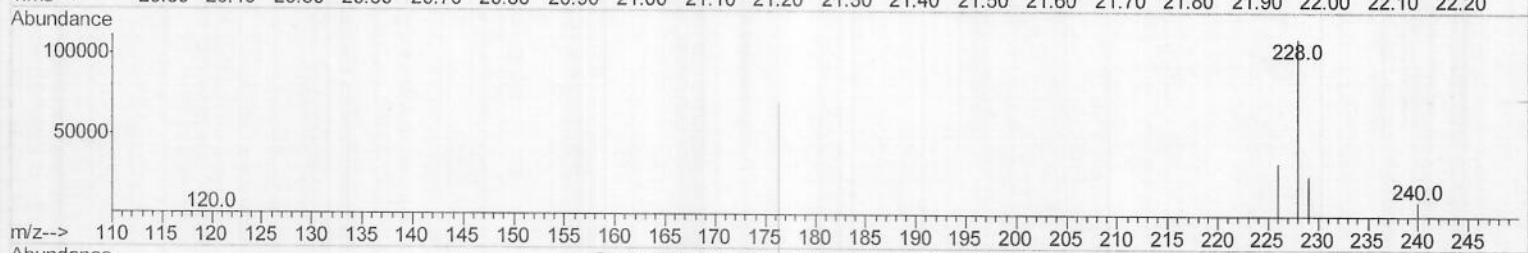
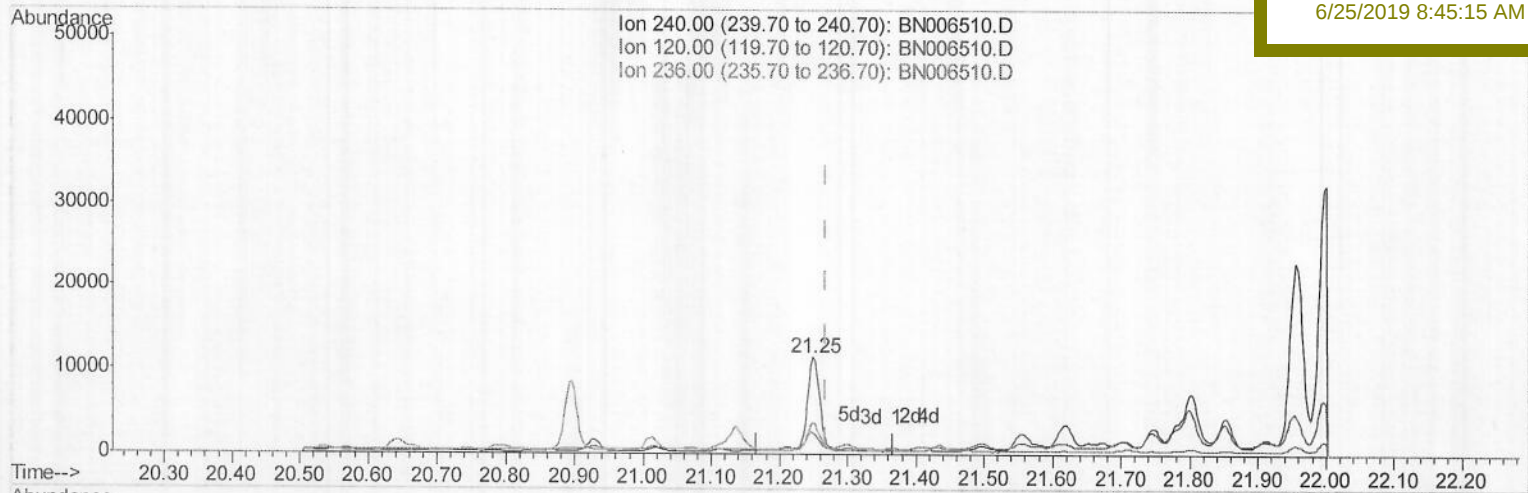
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(16) Chrysene-d12 (I)

21.250min (-0.019) 0.40ng/ul m

> JU 06/26/19

response 13893

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	22.16
236.00	30.10	31.67
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

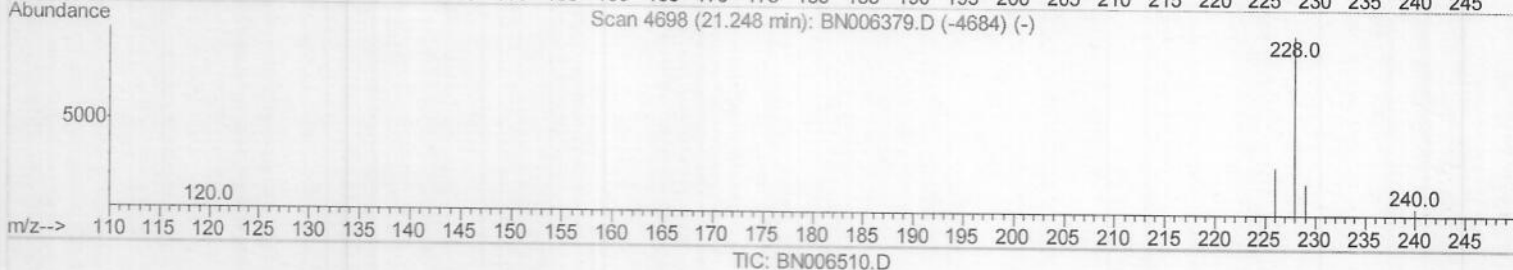
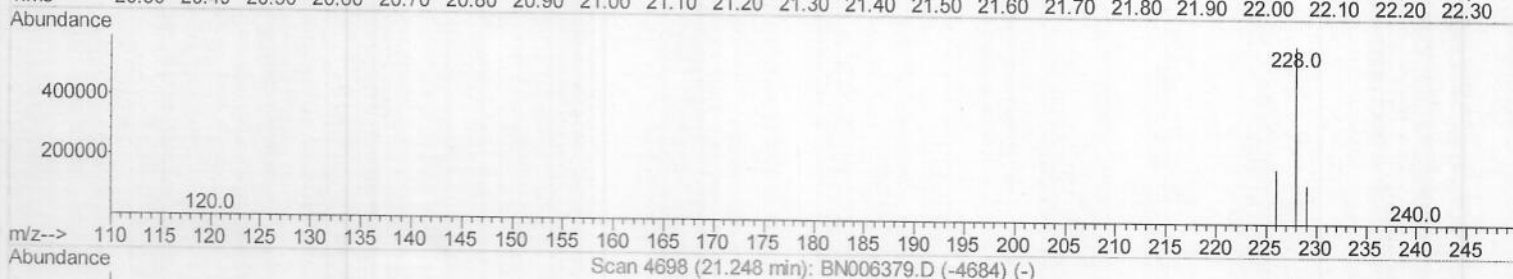
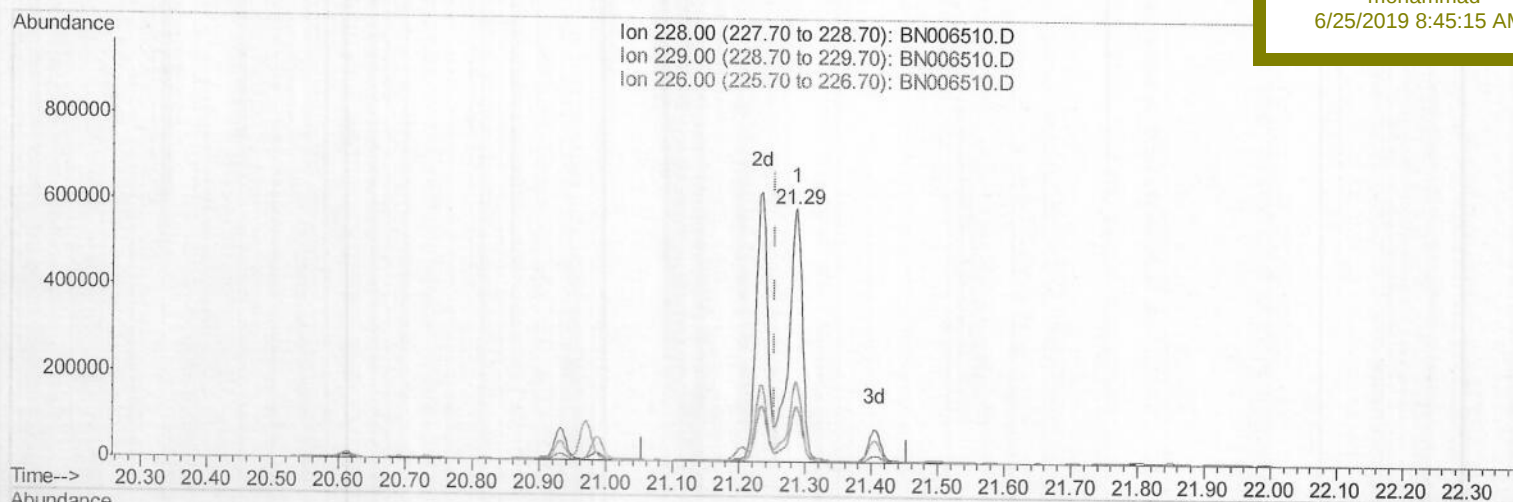
A41T6

Manual Integrations

APPROVED

mohammad

6/25/2019 8:45:15 AM



(18) Benzo(a)anthracene

21.287min (+0.034) 13.71ng/ul

response 842134

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.79
226.00	28.50	30.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

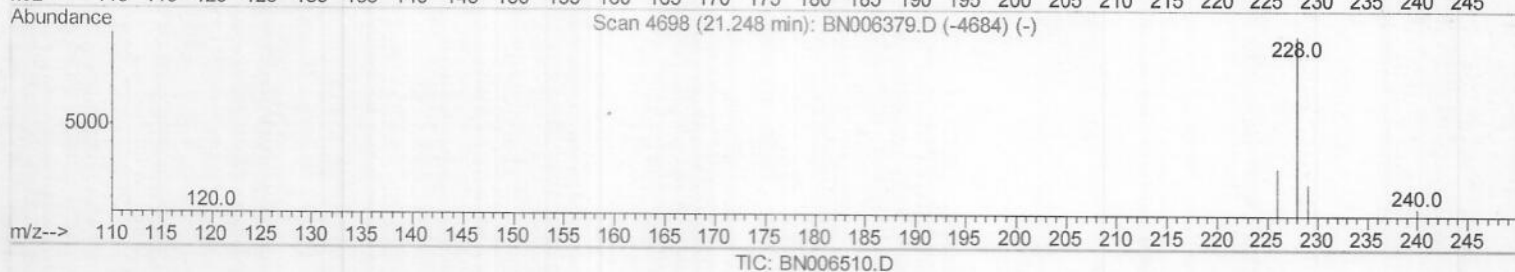
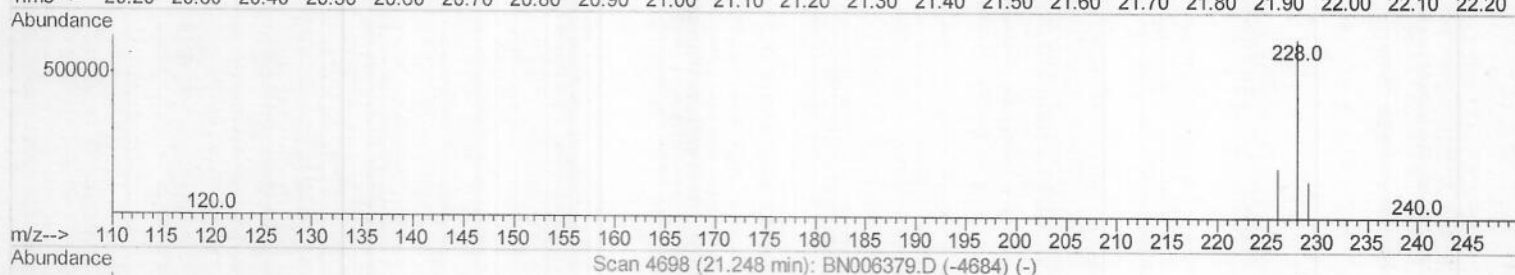
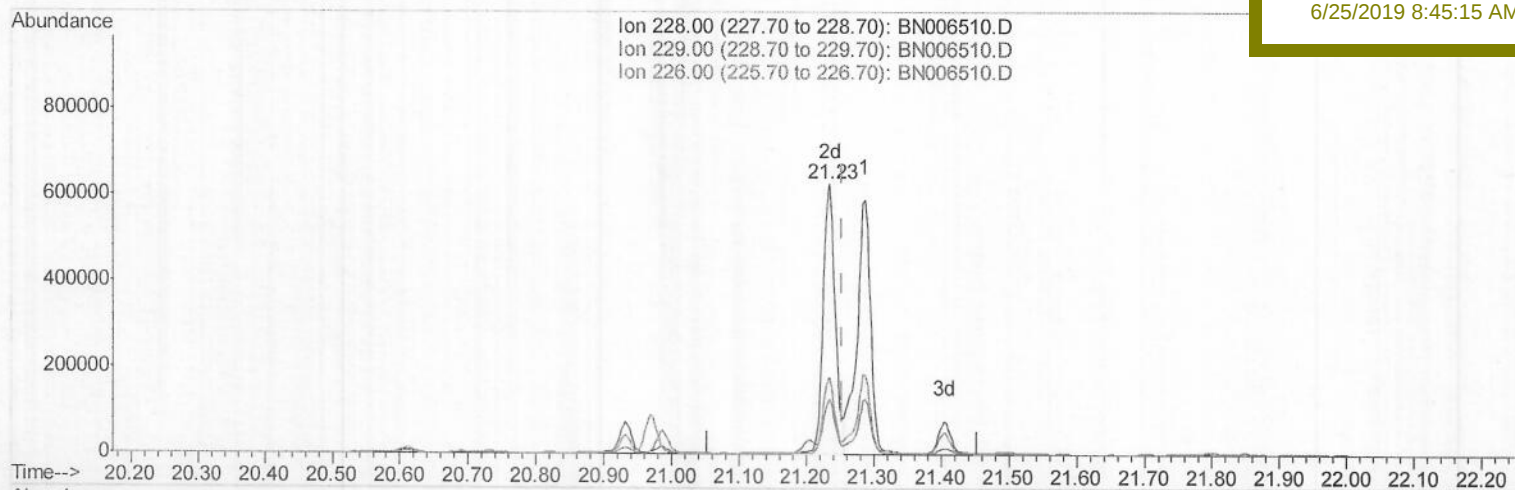
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(18) Benzo(a)anthracene

21.235min (-0.019) 12.80ng/ul m

response 786651

Ion	Exp%	Act%
-----	------	------

228.00	100	100
--------	-----	-----

229.00	20.60	20.49
--------	-------	-------

226.00	28.50	28.09
--------	-------	-------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

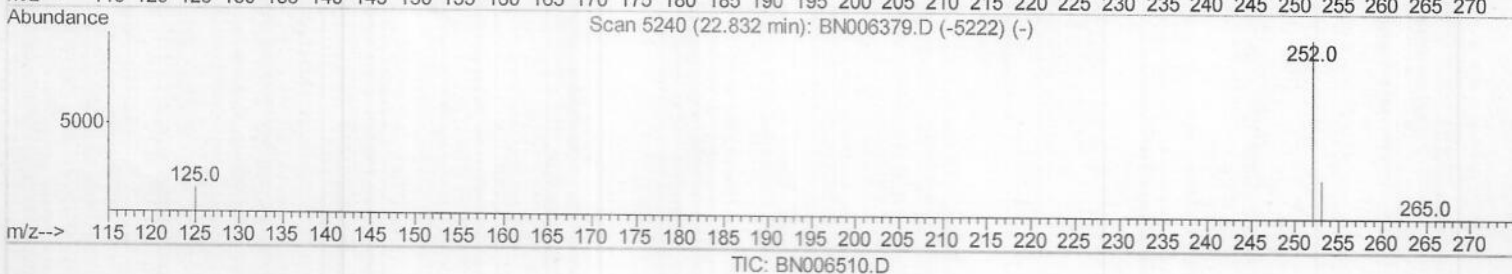
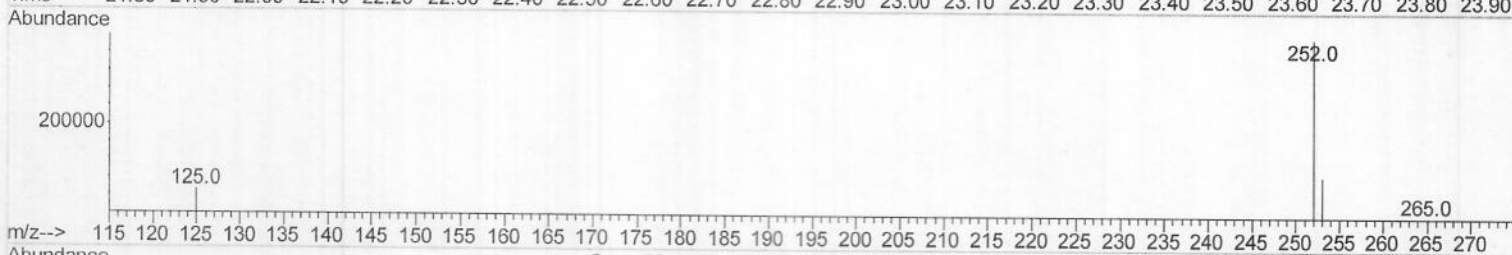
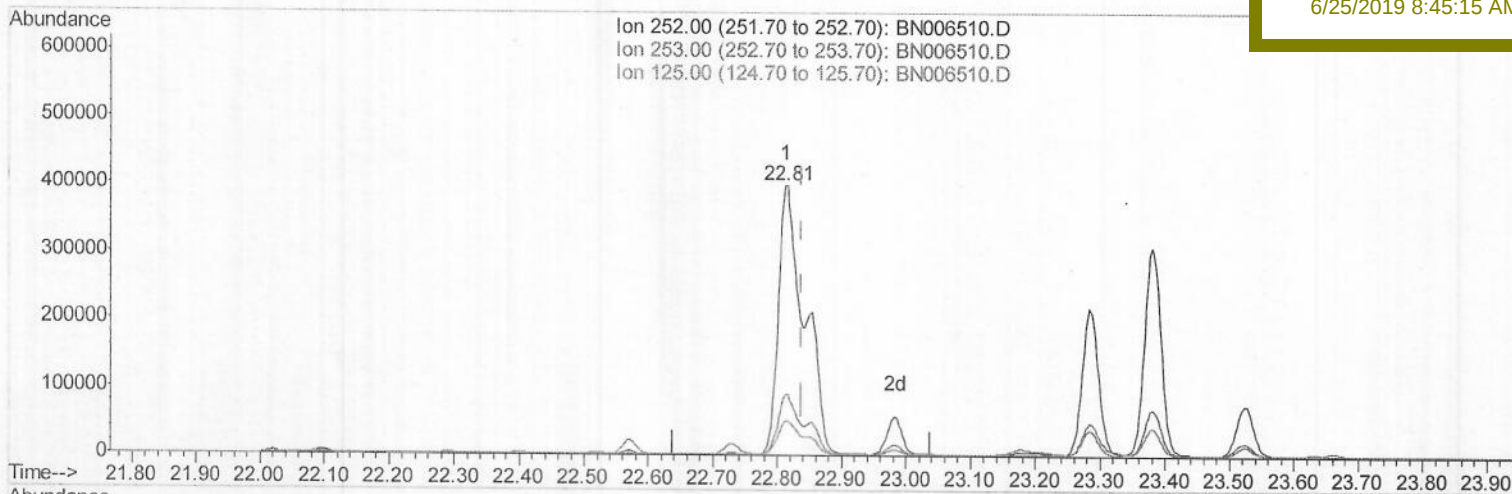
A41T6

Manual Integrations

APPROVED

mohammad

6/25/2019 8:45:15 AM



(21) Benzo(b)fluoranthene

22.813min (-0.025) 22.35ng/ul

response 1135639

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	22.88
125.00	20.50	12.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

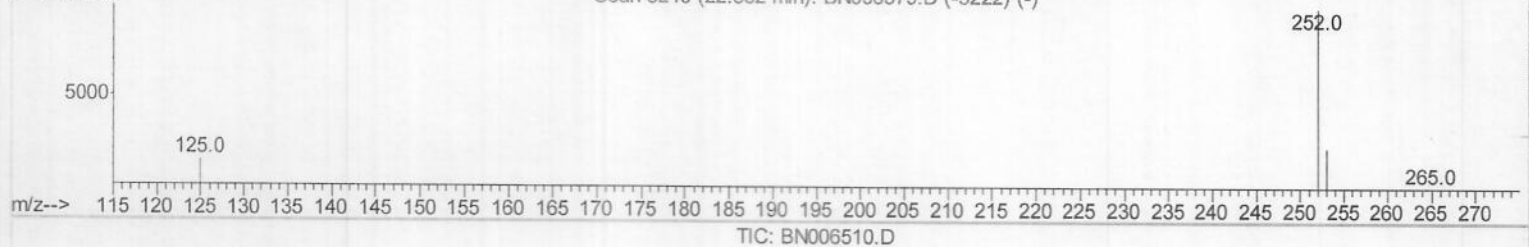
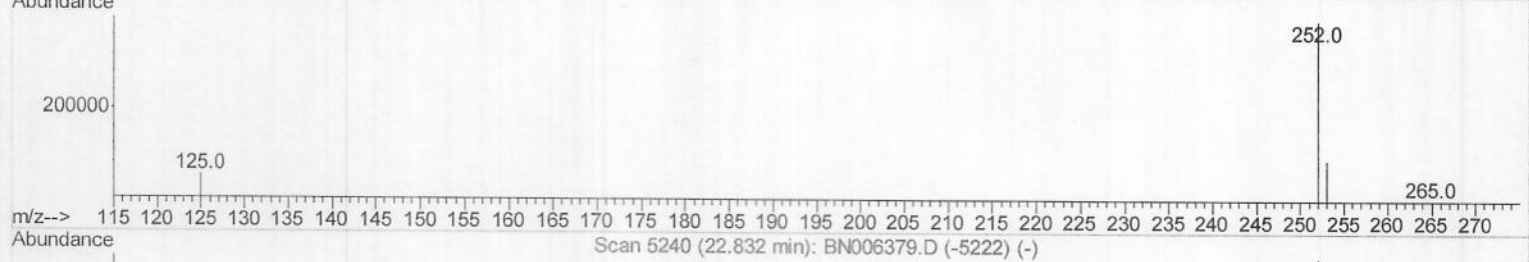
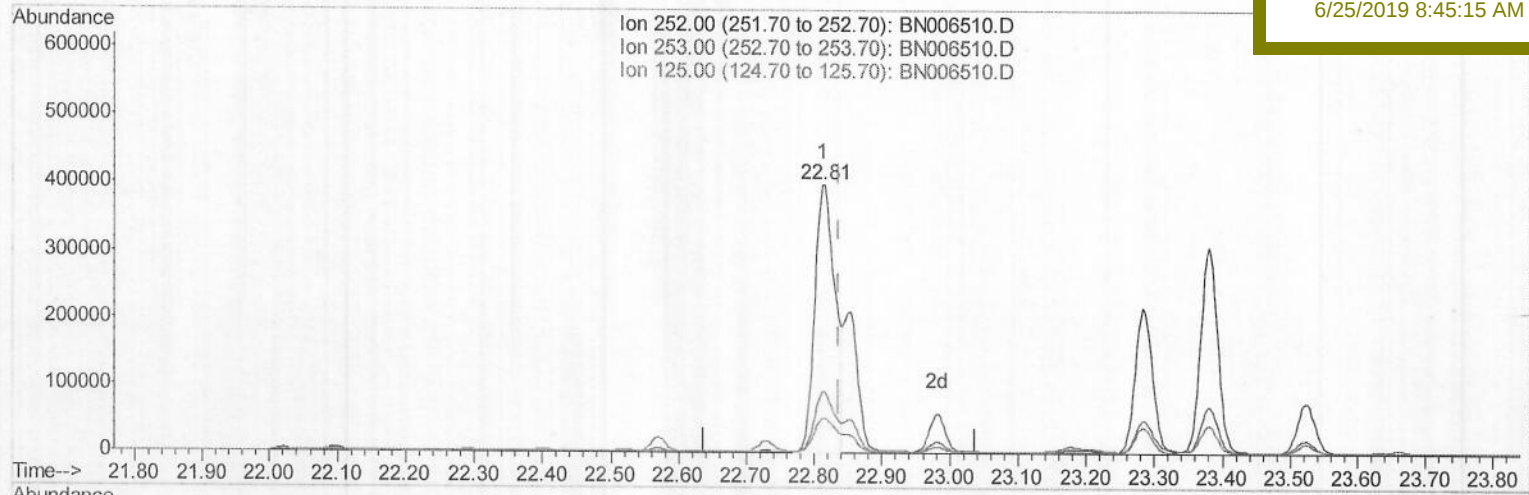
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(21) Benzo(b)fluoranthene

22.813min (-0.025) 16.05ng/ul m

> JU 06/26/19

response 815371

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	22.88
125.00	20.50	12.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

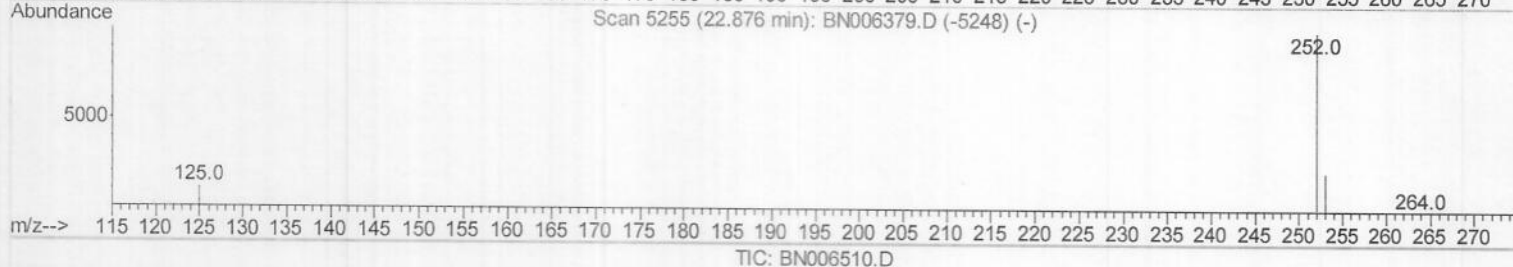
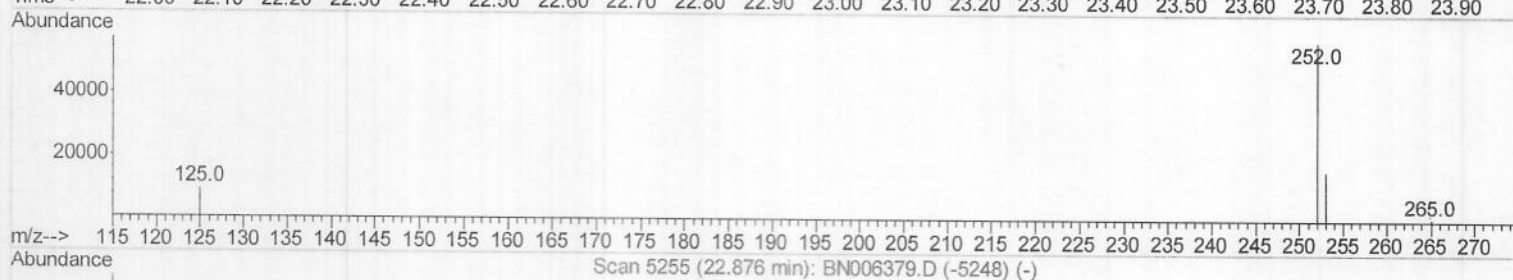
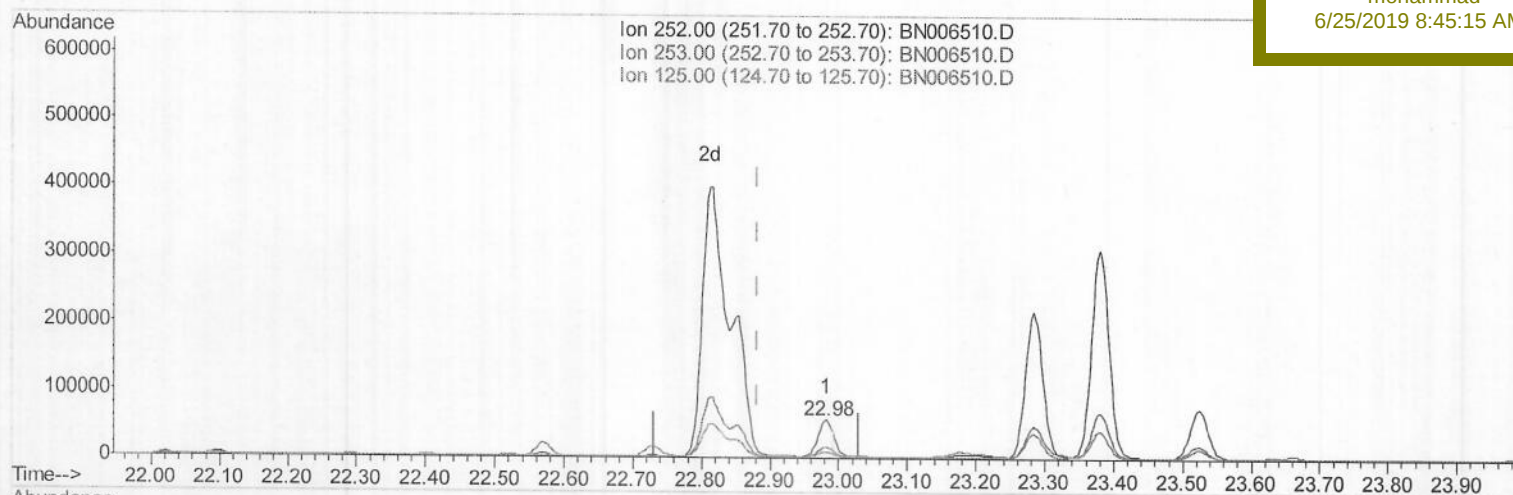
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(22) Benzo(k)fluoranthene

22.982min (+0.101) 1.49ng/ul

response 73941

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	27.75
125.00	17.90	16.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:28:55 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 : Mon Jun 17 11:13:07 2019

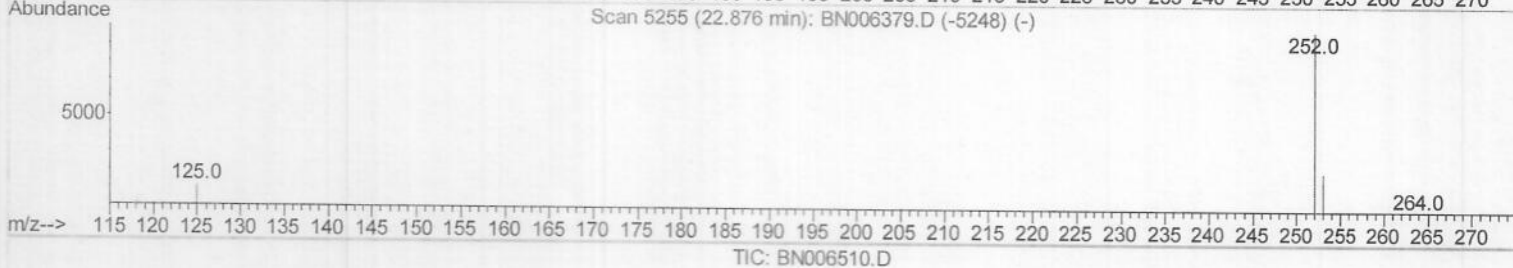
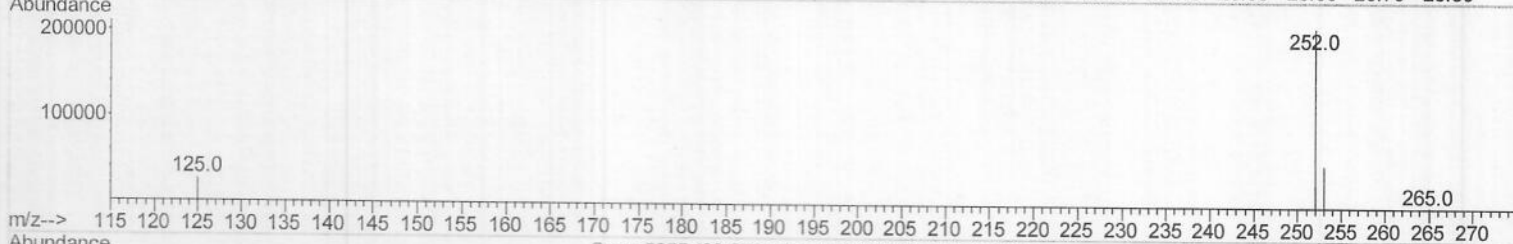
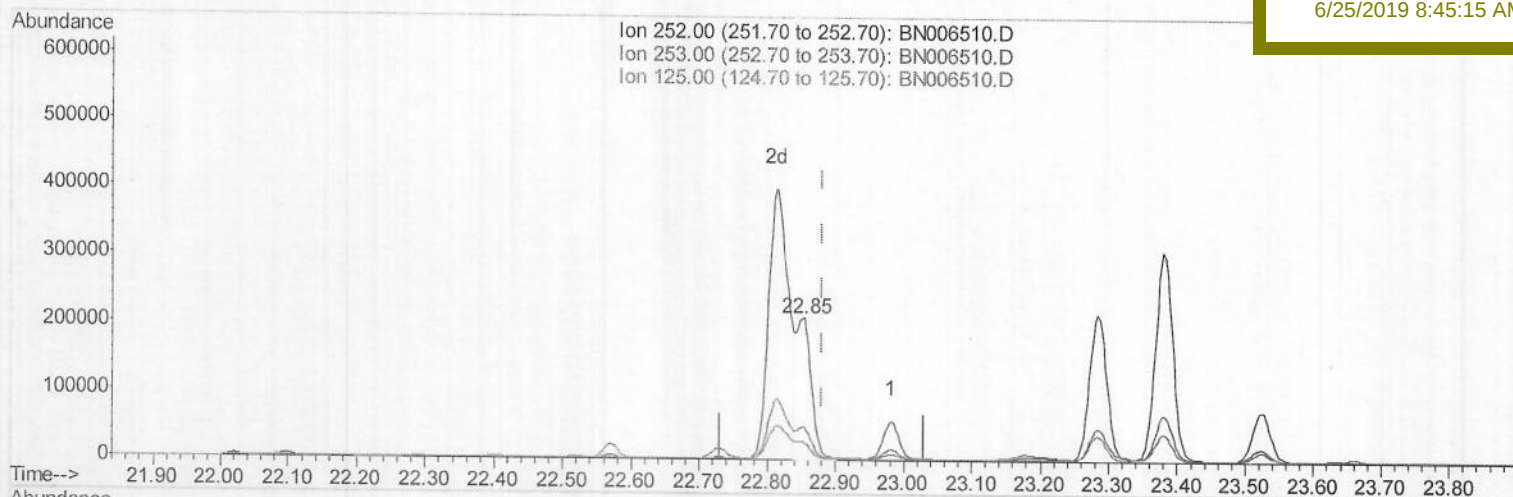
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

(22) Benzo(k)fluoranthene

22.854min (-0.027) 6.56ng/ul m > JU 06/26/19

response 324579

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	23.24
125.00	17.90	12.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062219\

Data File : BN006510.D

Acq On : 23 Jun 2019 05:01

Operator : HP/JU

Sample : K3360-14

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:30:24 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 : Mon Jun 17 11:13:07 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41T6

Manual Integrations
APPROVEDmohammad
6/25/2019 8:45:15 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5422	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	20942	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	11078	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	23109m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	13893m	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	12185	0.40	ng/ul	-0.03

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.01	152	5610	0.17	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	13097m	0.21	ng/ul	-0.01

Target Compounds

					Ovalue	
3) Naphthalene	10.46	128	14432	0.250	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	7535	0.187	ng/ul	99
7) Acenaphthylene	14.00	152	3488	0.057	ng/ul#	89
8) Acenaphthene	14.34	153	79120	1.852	ng/ul	100
9) Fluorene	15.34	166	118572	2.372	ng/ul	100
12) Phenanthrene	17.08	178	1930313m	26.022	ng/ul	
13) Anthracene	17.17	178	280478m	3.959	ng/ul	
15) Fluoranthene	19.11	202	2632250m	32.135	ng/ul	
17) Pyrene	19.48	202	1981725	27.080	ng/ul	99
18) Benzo(a)anthracene	21.23	228	786651m	12.802	ng/ul	
19) Chrysene	21.29	228	837036	14.511	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	815371m	16.048	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	324579m	6.559	ng/ul	
23) Benzo(a)pyrene	23.38	252	540832	11.429	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.71	276	351273	6.858	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.71	278	90569	2.212	ng/ul	95
26) Benzo(g,h,i)perylene	26.39	276	307164	7.160	ng/ul	94

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

JU
06/26/19