

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:36:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

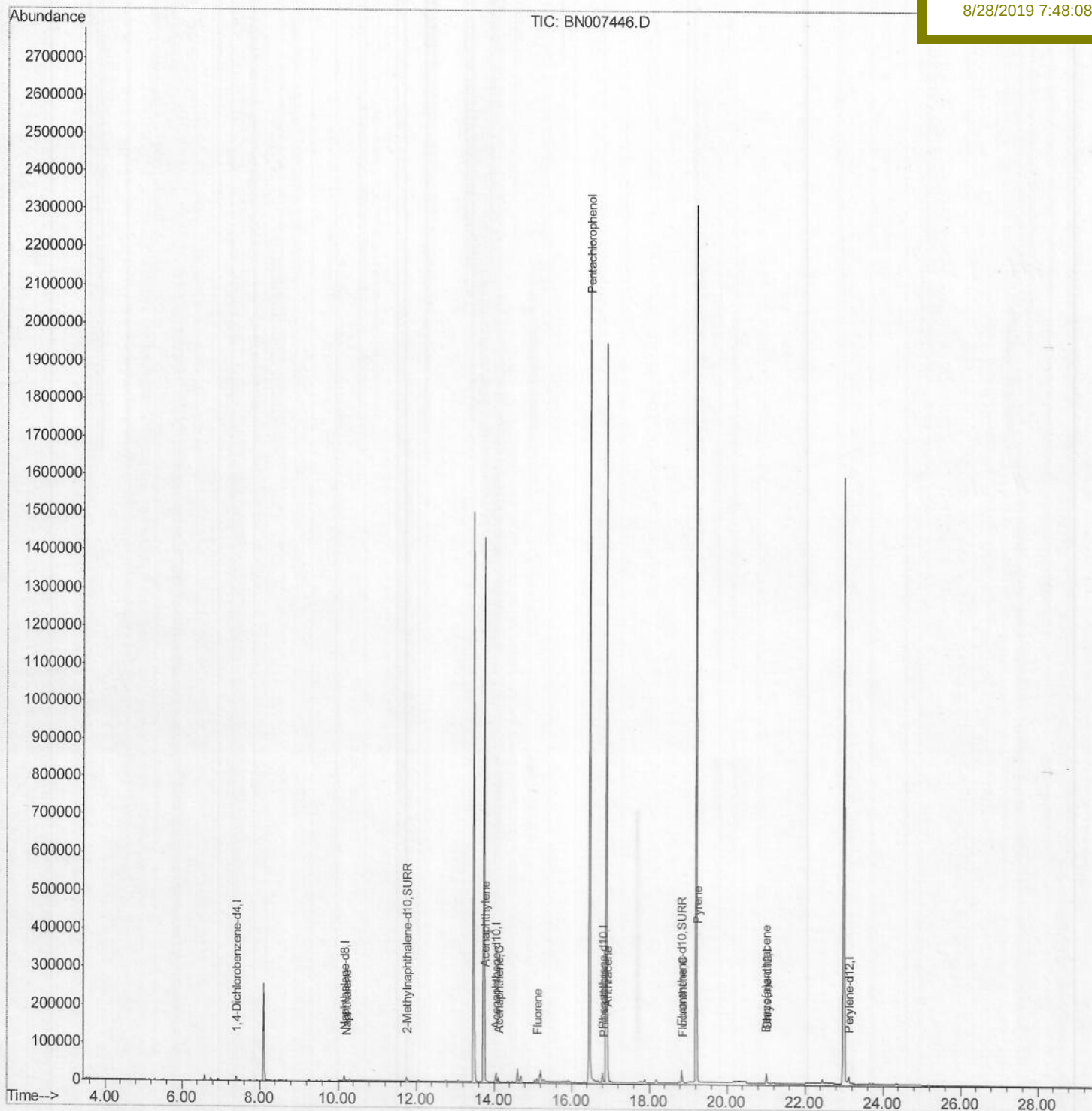
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:29:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

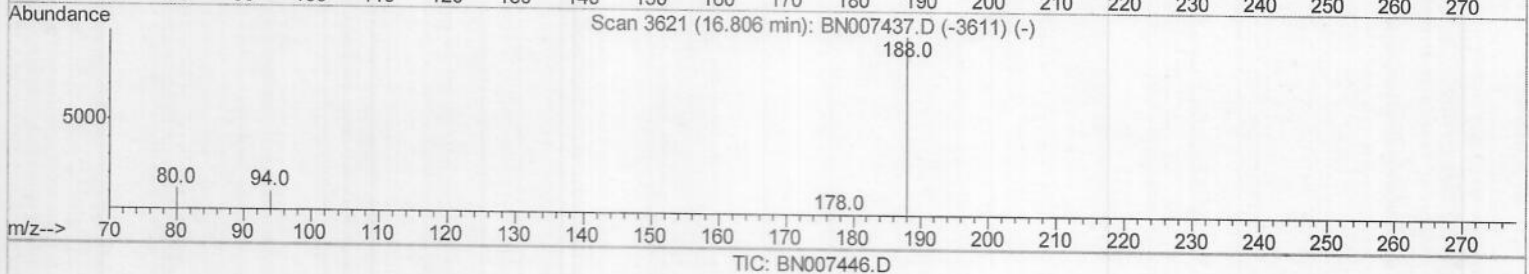
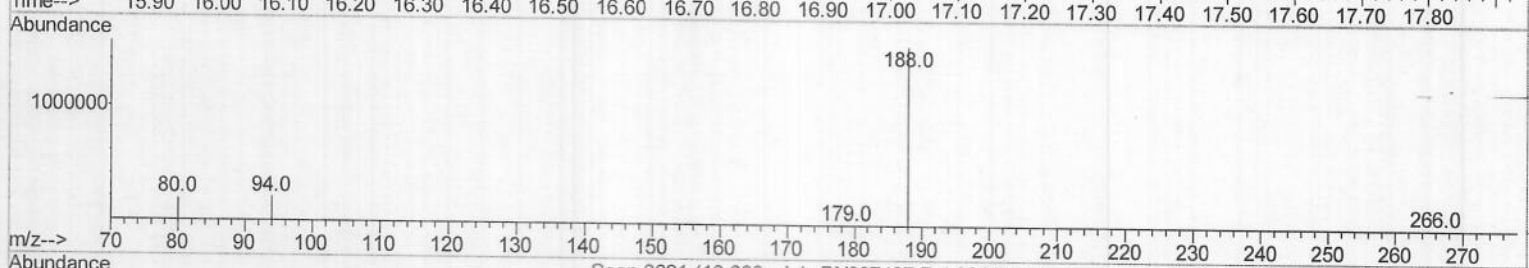
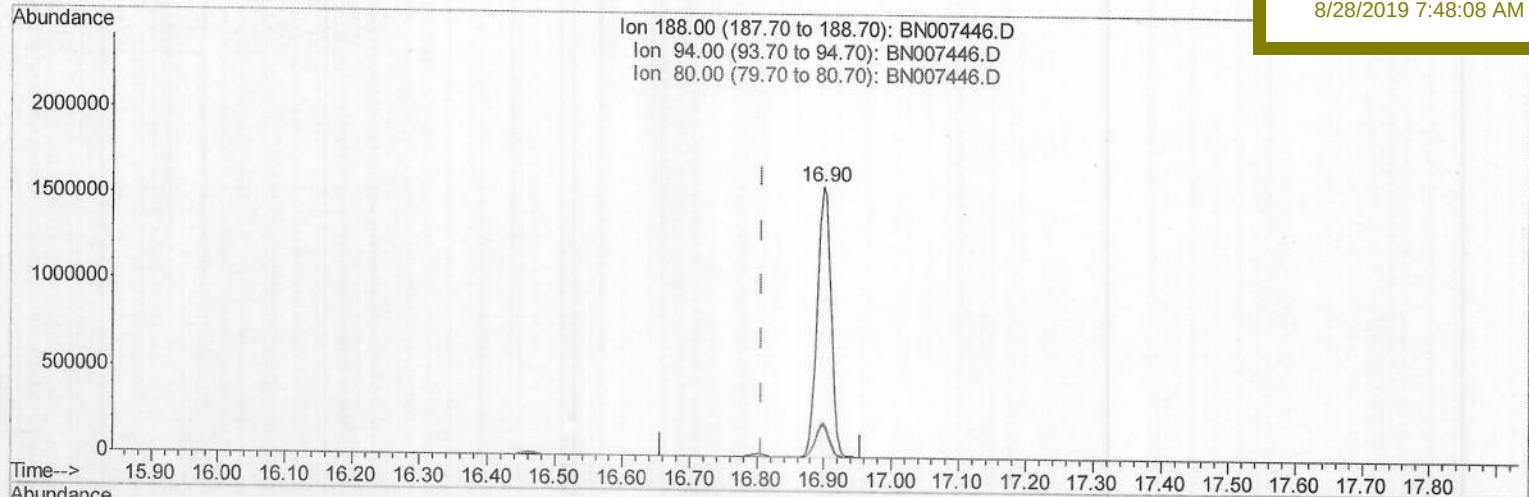
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



(10) Phenanthrene-d10 (I)

16.899min (+0.093) 0.40ng/ul

response 2196746

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.78
80.00	12.40	11.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:29:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

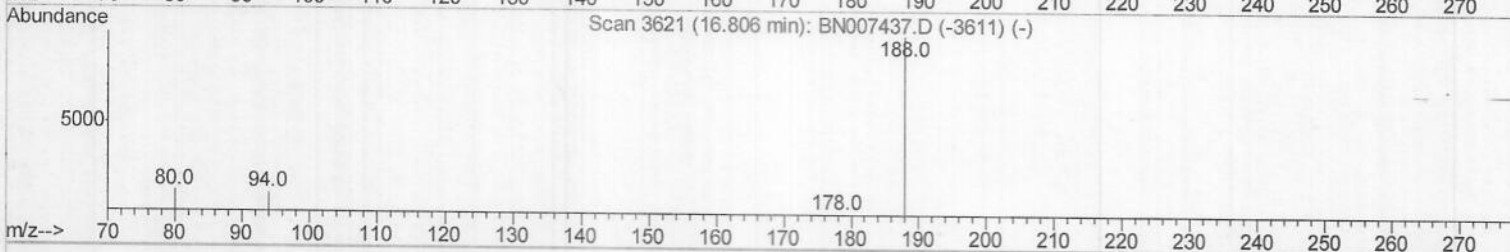
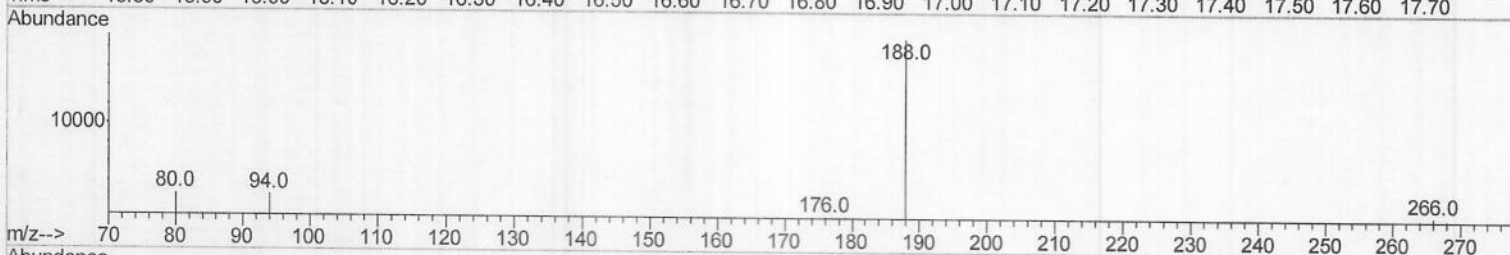
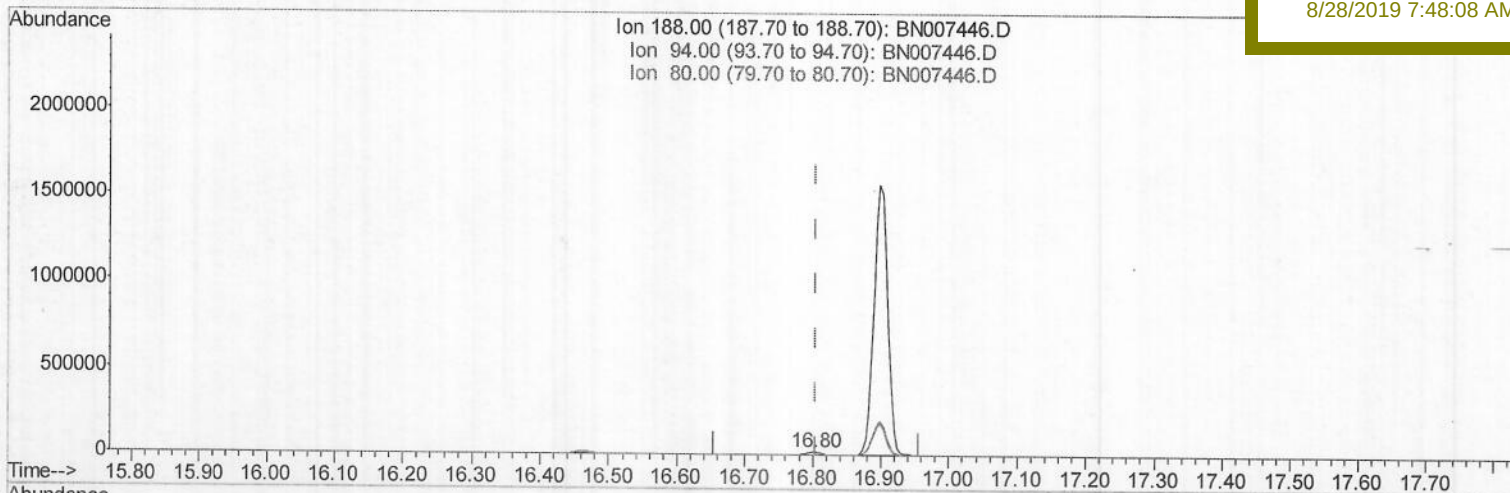
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



(10) Phenanthrene-d10 (I)

16.802min (-0.004) 0.40ng/ul m *JU*
08/28/19

response 25844

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	13.98#
80.00	12.40	14.41
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:30:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

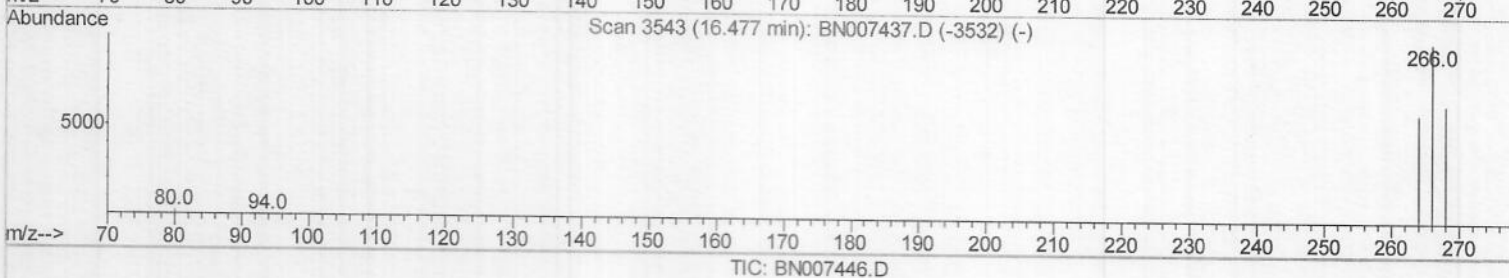
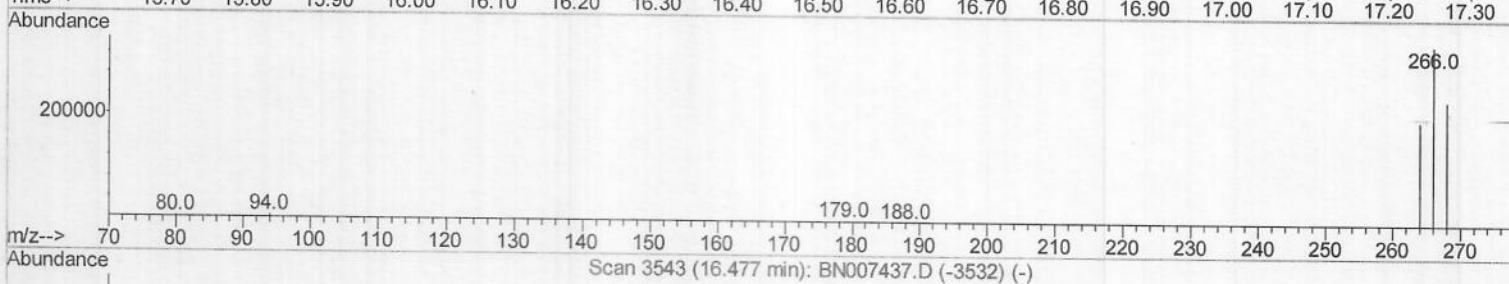
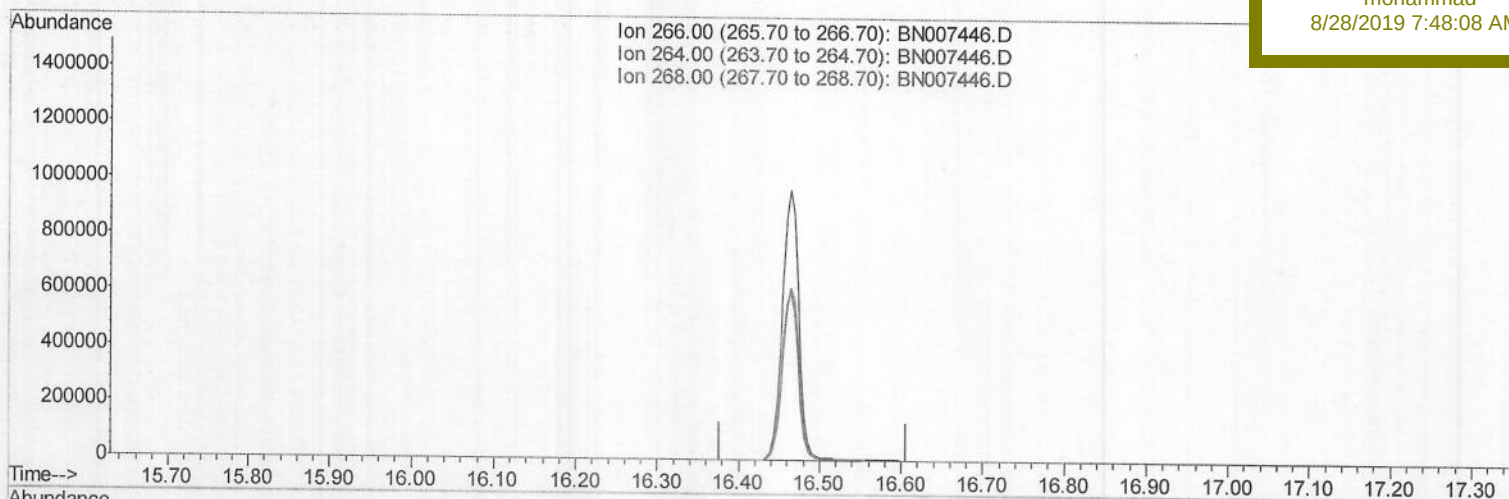
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

(11) Pentachlorophenol

16.477min (-16.477) 0.00ng/ul

response 0

Ion	Exp%	Act%
266.00	100	0.00
264.00	61.30	0.00#
268.00	62.70	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:30:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

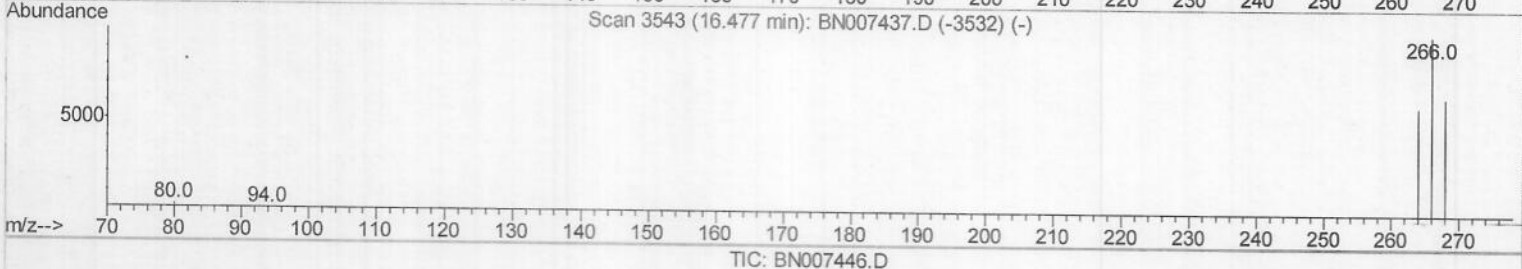
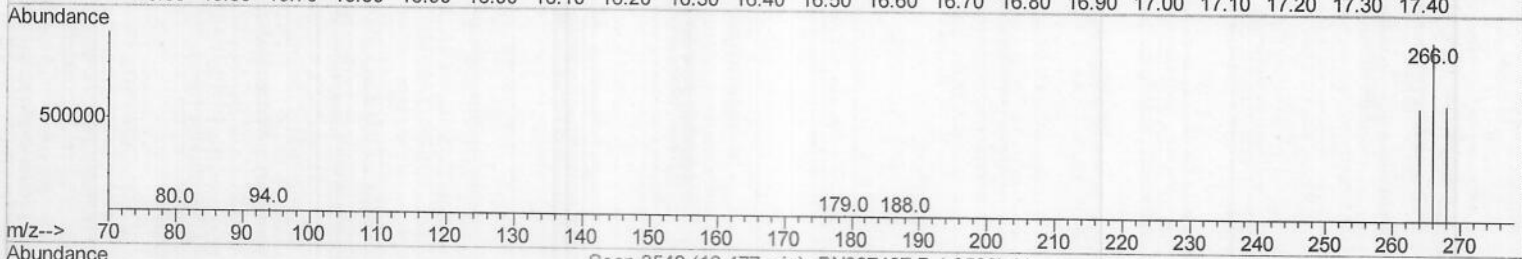
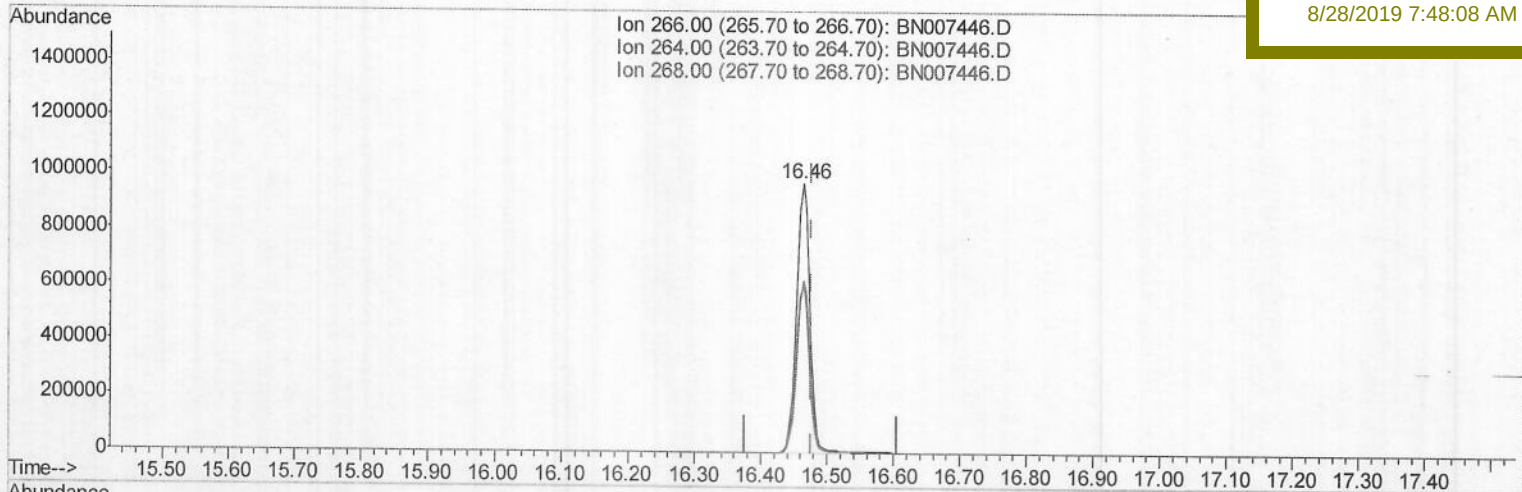
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



(11) Pentachlorophenol

16.464min (-0.013) 234.52ng/ul m

response 1365429

Ion	Exp%	Act%
266.00	100	100
264.00	61.30	0.00#
268.00	62.70	0.00#
0.00	0.00	0.00

JU
08/28/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

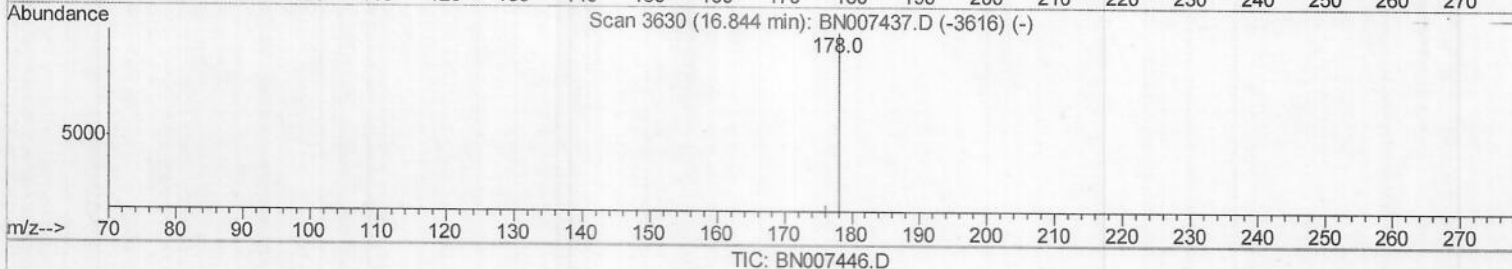
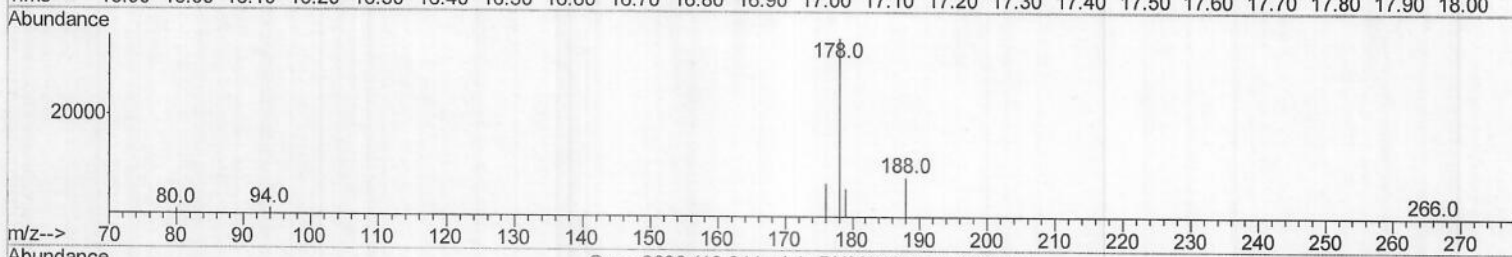
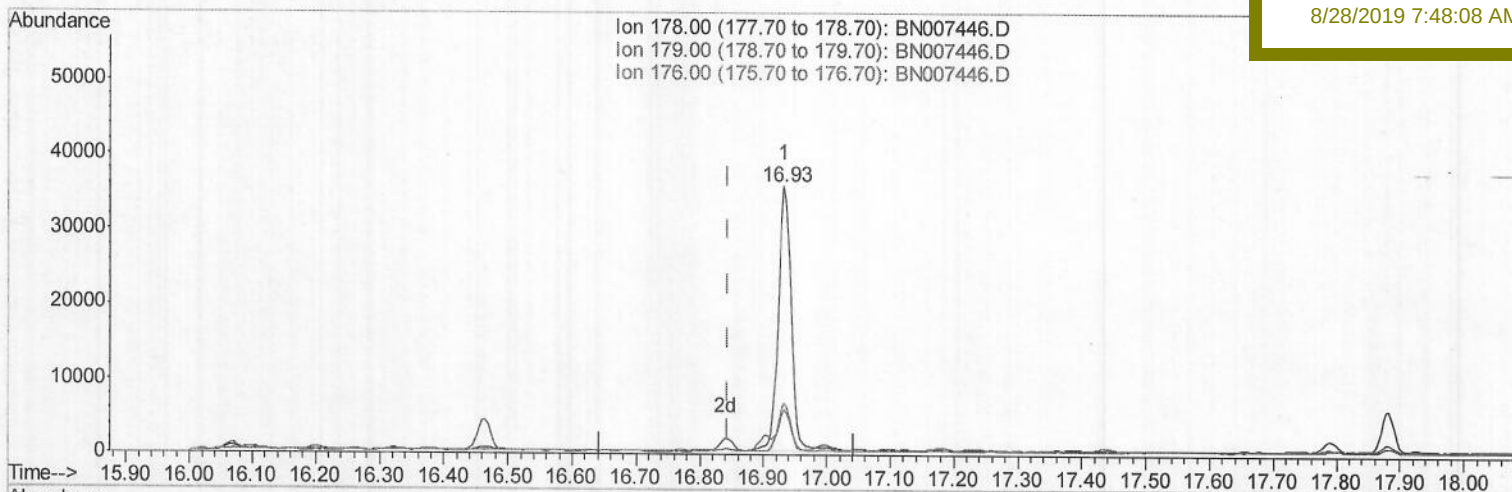
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

TIC: BN007446.D

(12) Phenanthrene

16.933min (+0.088) 0.65ng/ul

response 52364

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.74
176.00	19.00	19.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

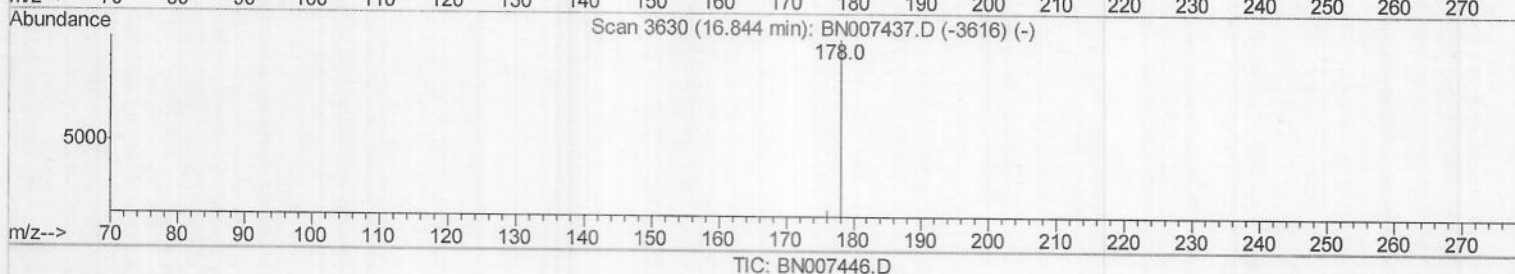
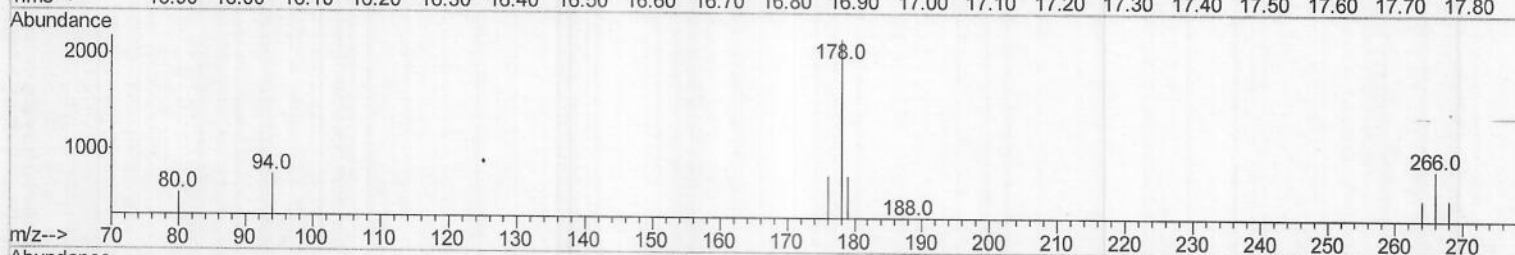
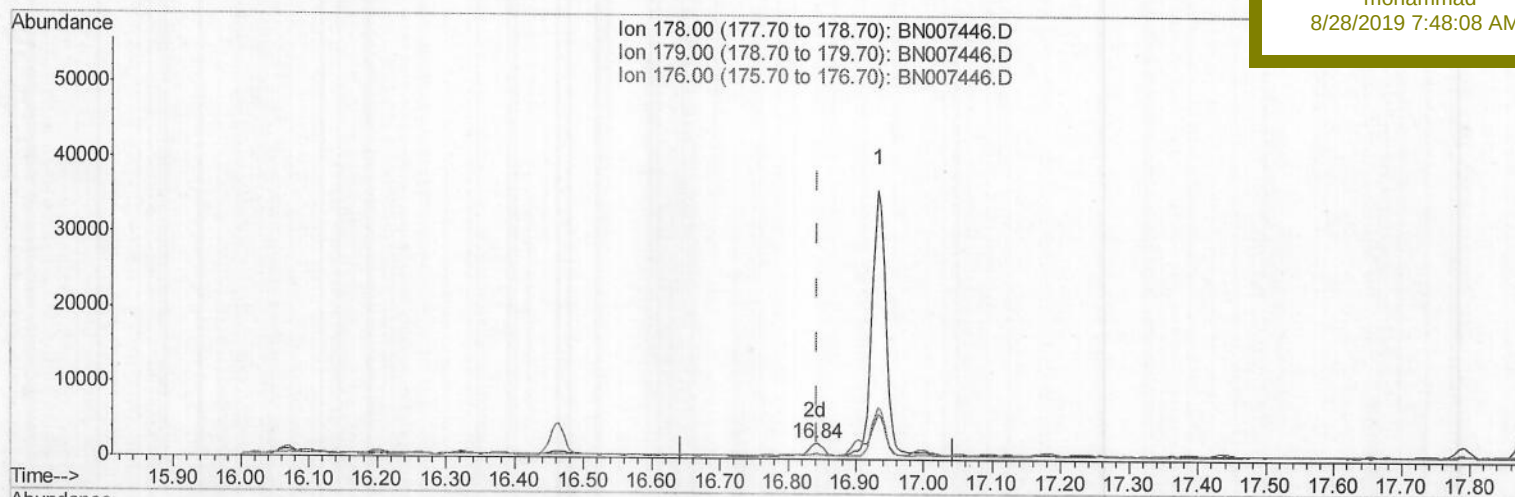
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

(12) Phenanthrene

16.840min (-0.004) 0.03ng/ul m > JU
08/28/19

response 2469

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	35.22#
176.00	19.00	35.17#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

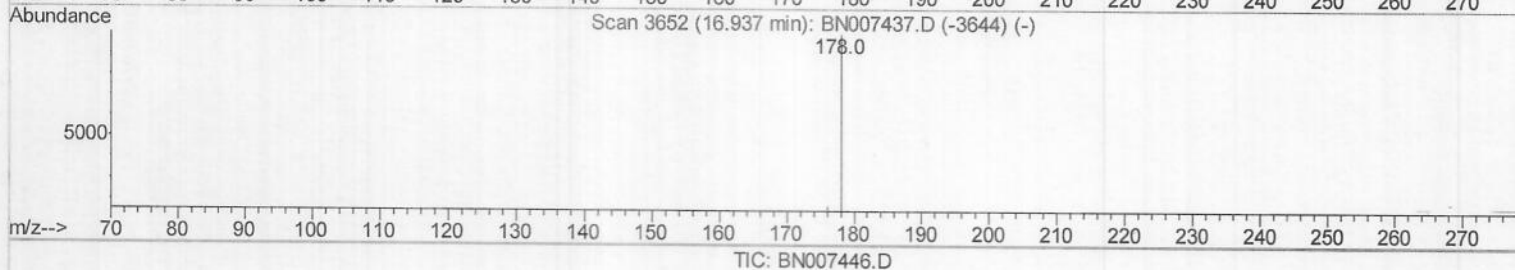
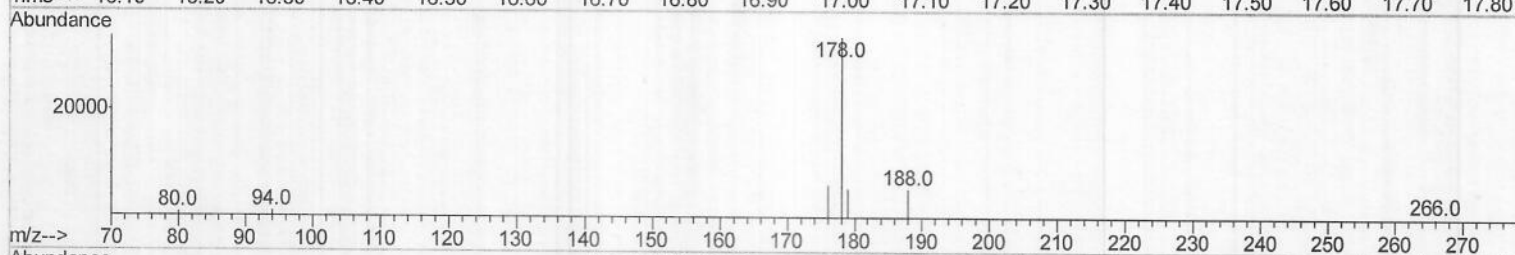
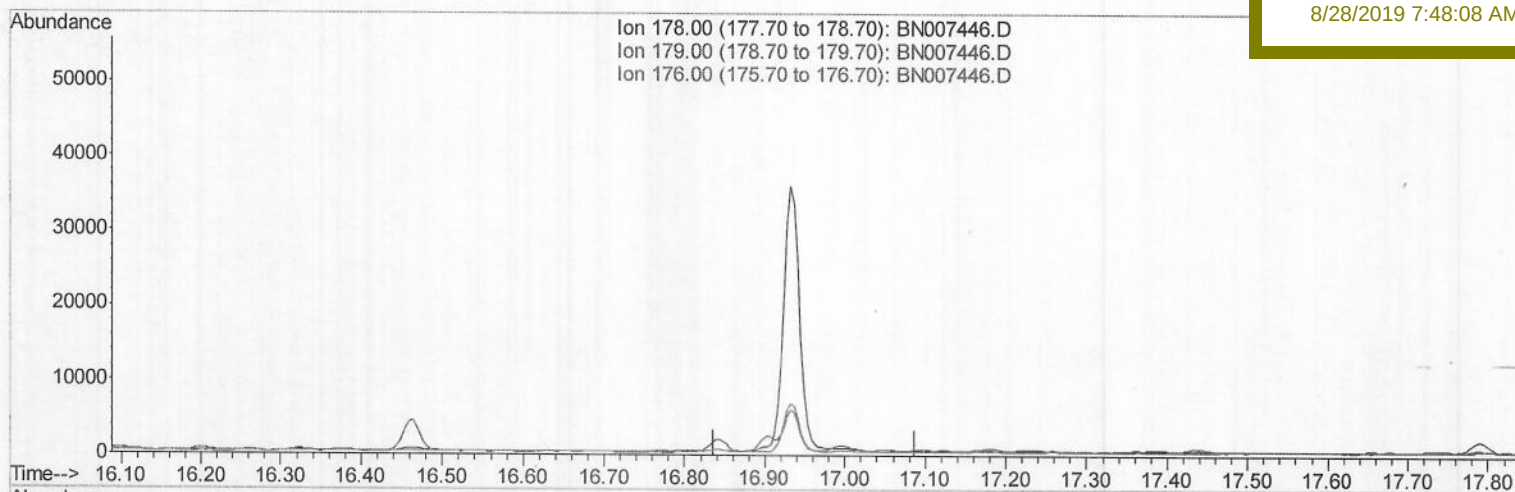
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

(13) Anthracene

16.937min (-16.937) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	16.00	0.00#
176.00	18.20	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

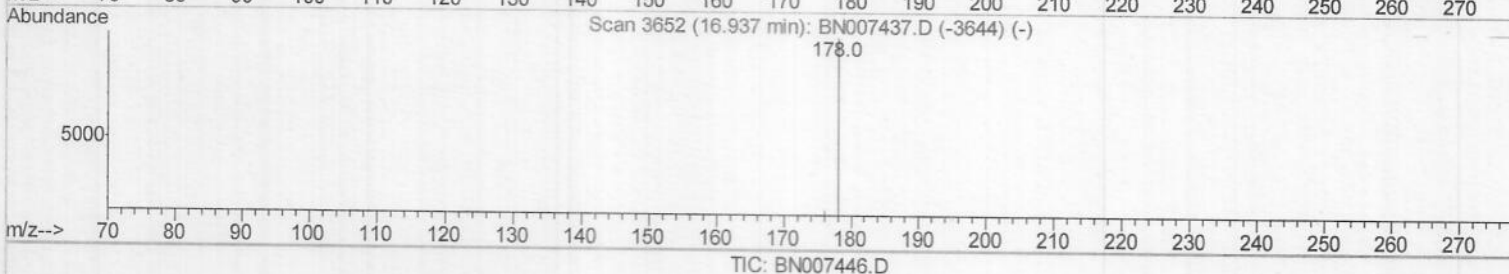
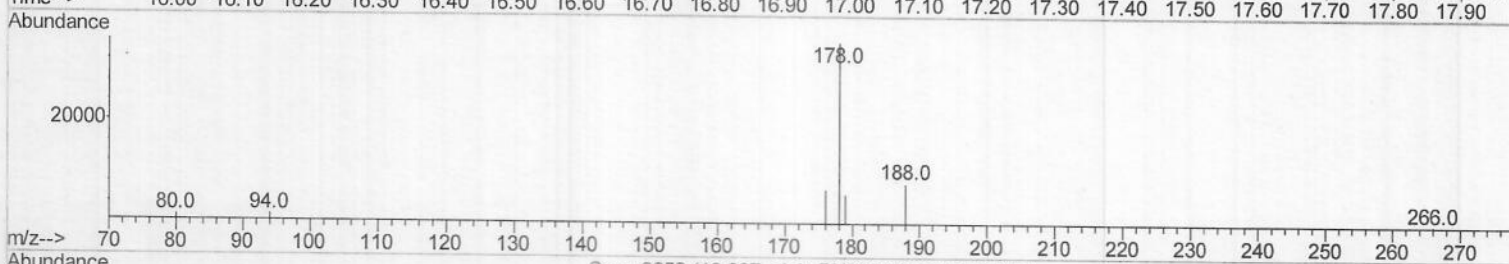
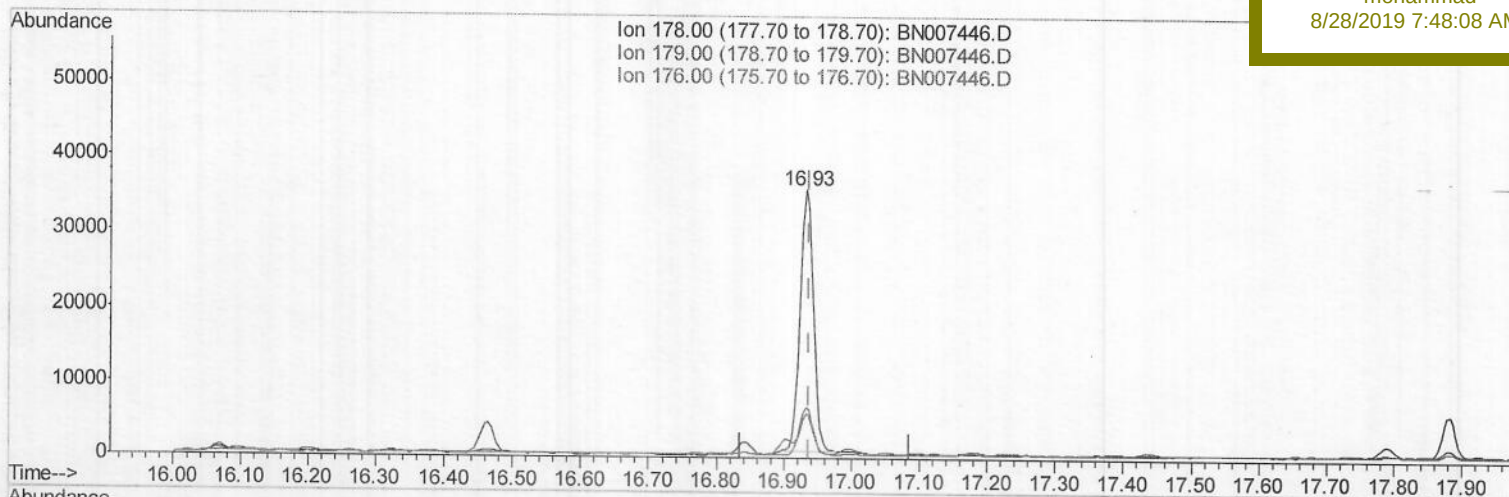
C0AA6

Manual Integrations

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mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(13) Anthracene

16.933min (-0.004) 0.63ng/ul m > 50
08/28/19

response 47669

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.74
176.00	18.20	19.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

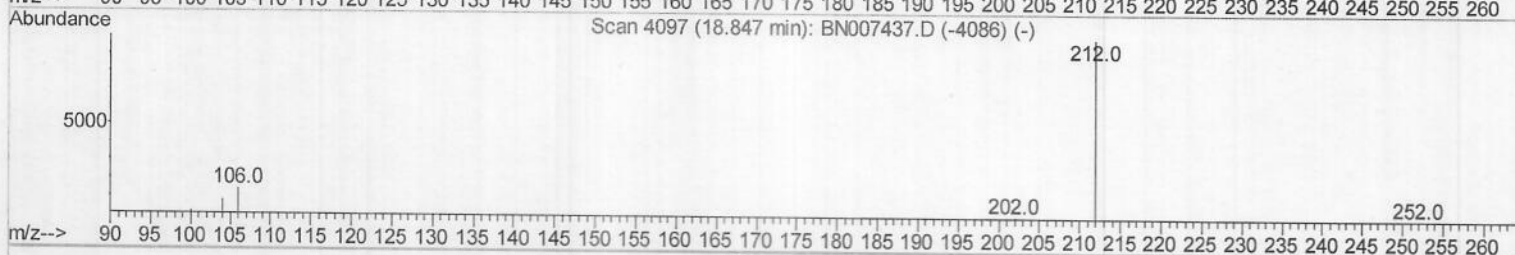
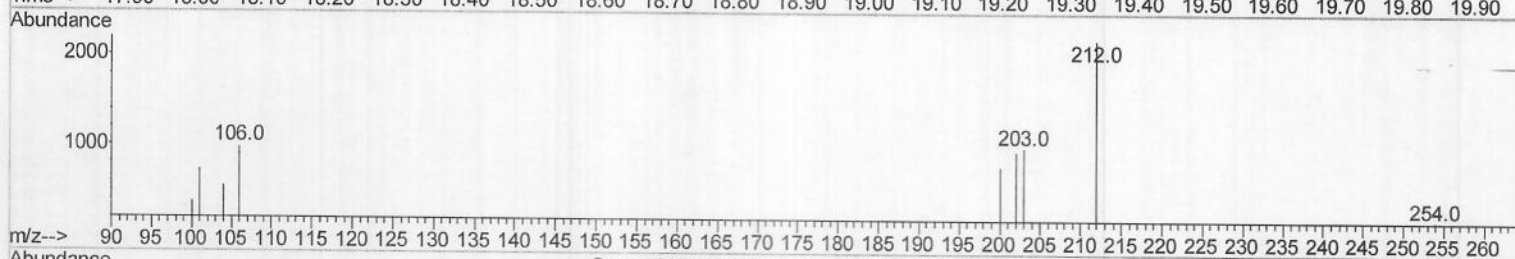
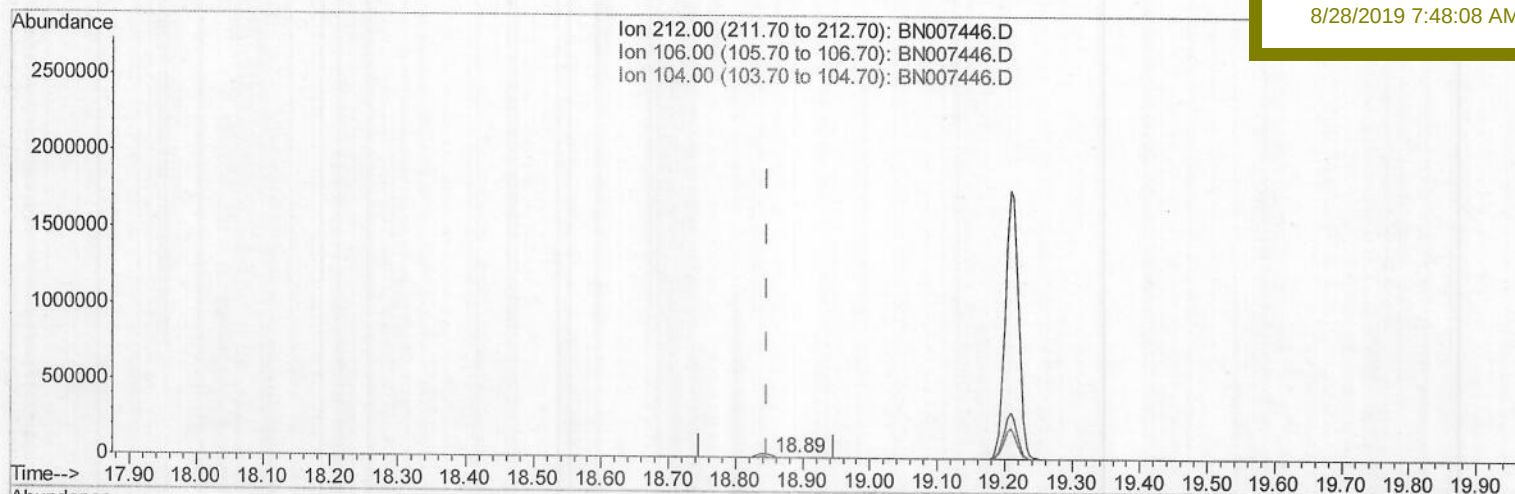
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(14) Fluoranthene-d10 (SURR)

18.893min (+0.046) 0.03ng/ul

response 2477

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	2.70#
104.00	8.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:31:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

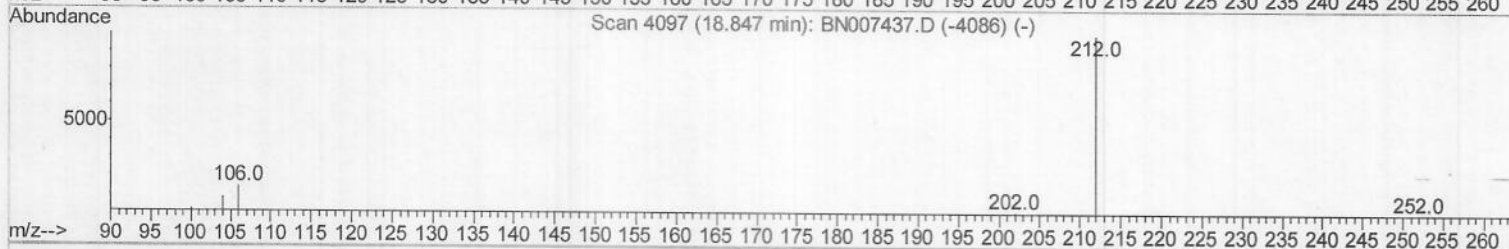
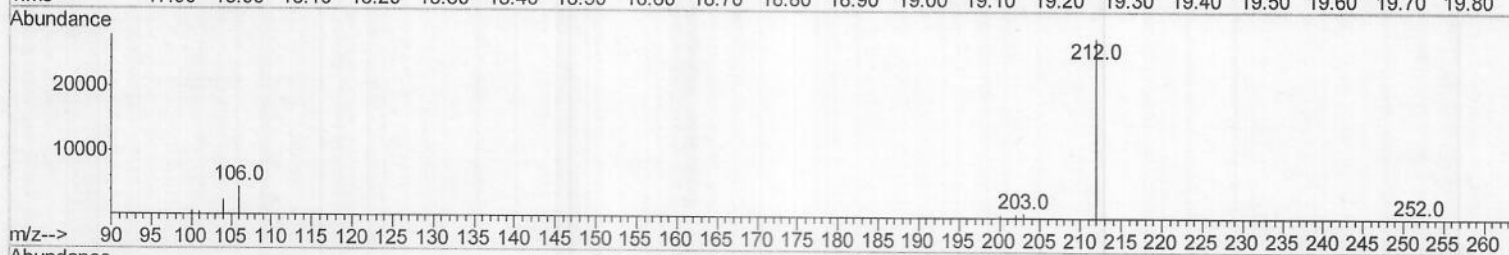
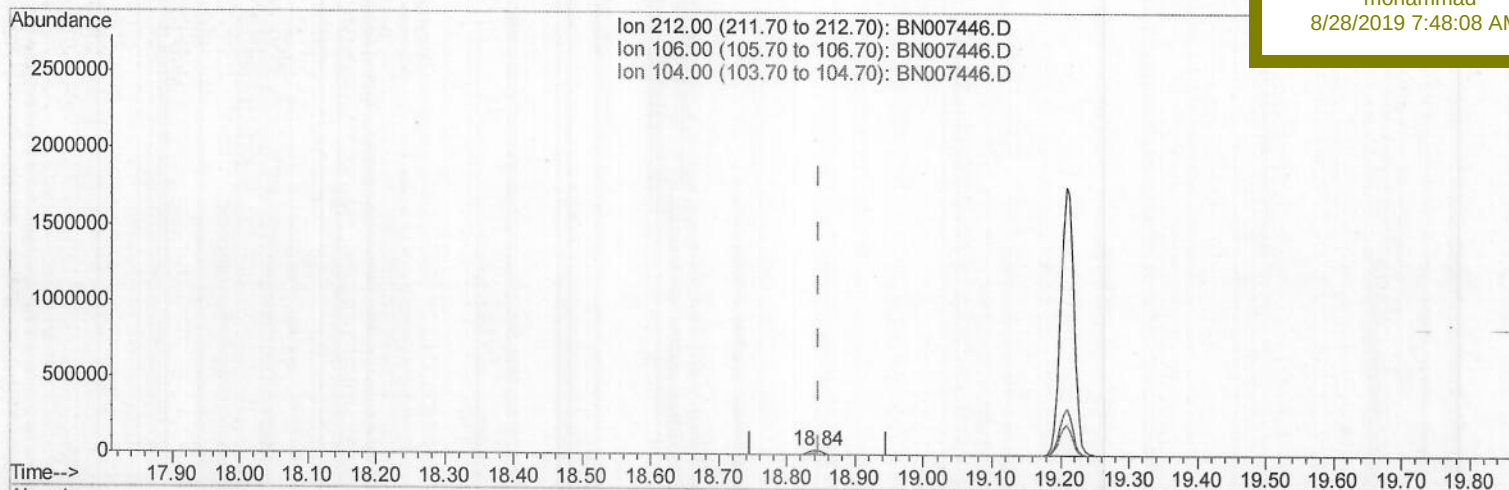
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

TIC: BN007446.D

(14) Fluoranthene-d10 (SURR)

18.842min (-0.005) 0.43ng/ul m

response 35872

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.19#
104.00	8.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:32:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

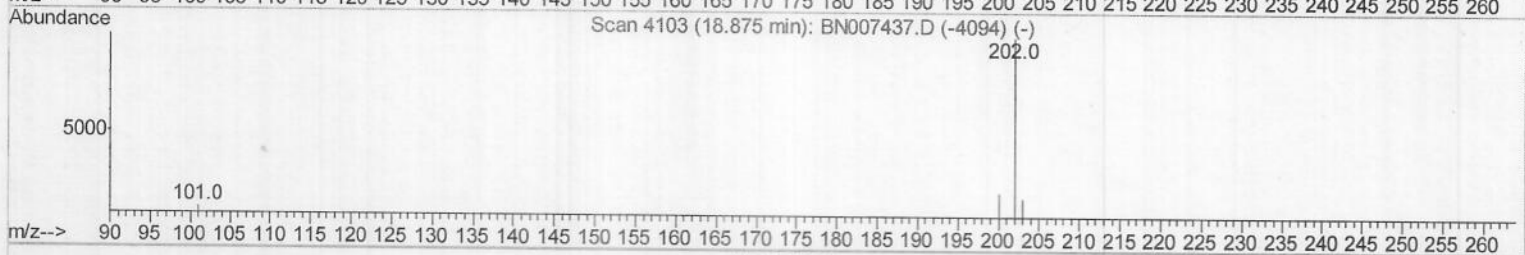
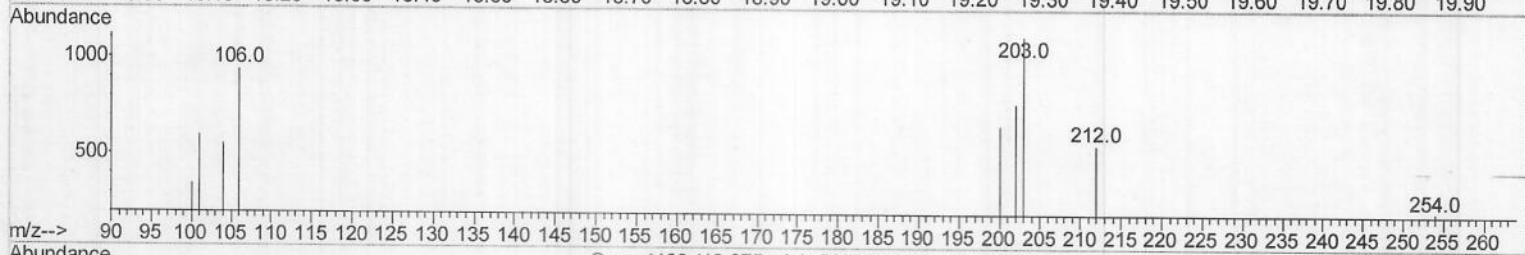
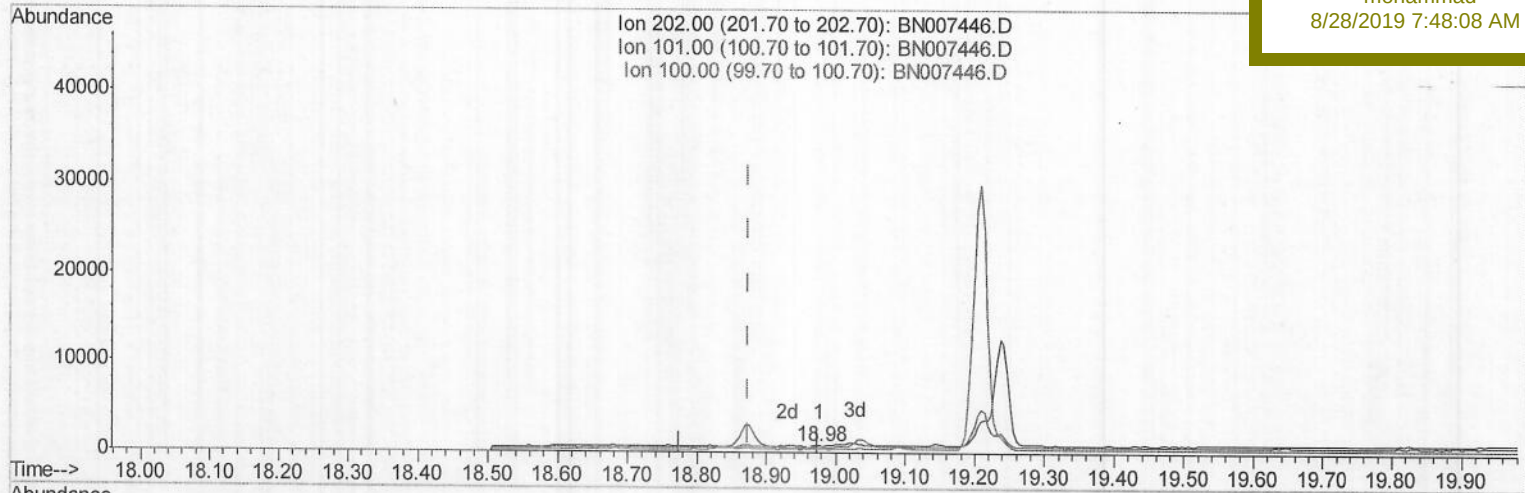
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(15) Fluoranthene (C)

18.977min (+0.102) 0.00ng/ul

response 59

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	77.30#
100.00	8.50	44.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:32:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

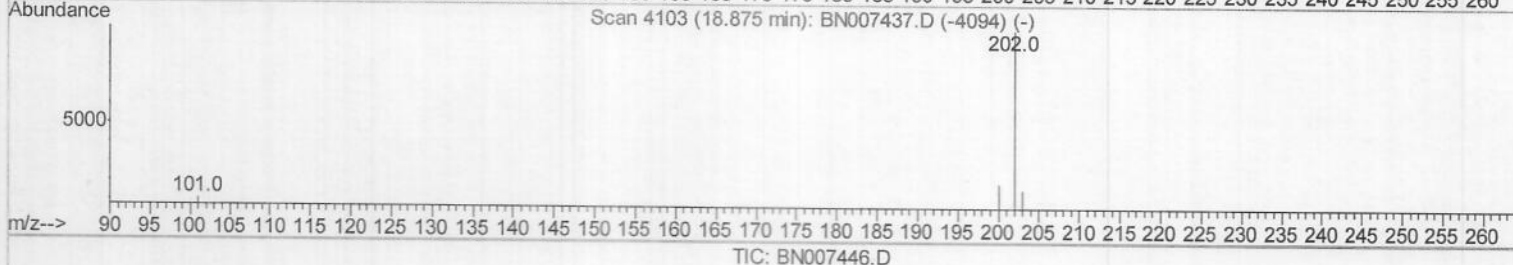
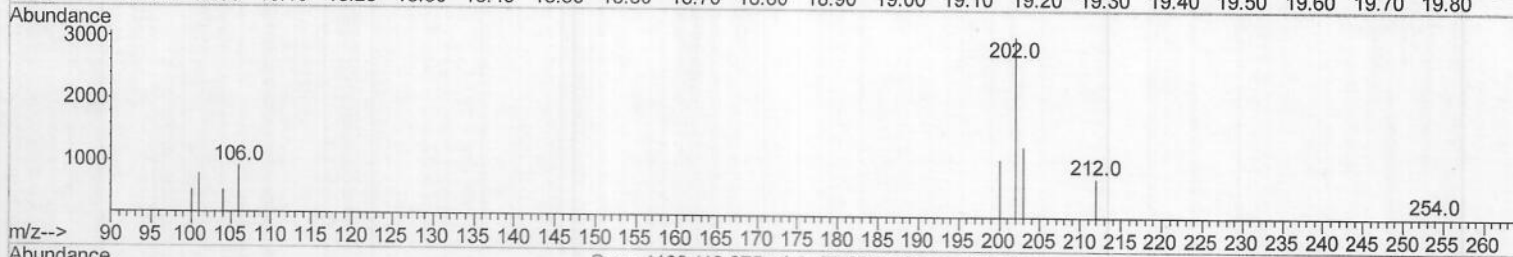
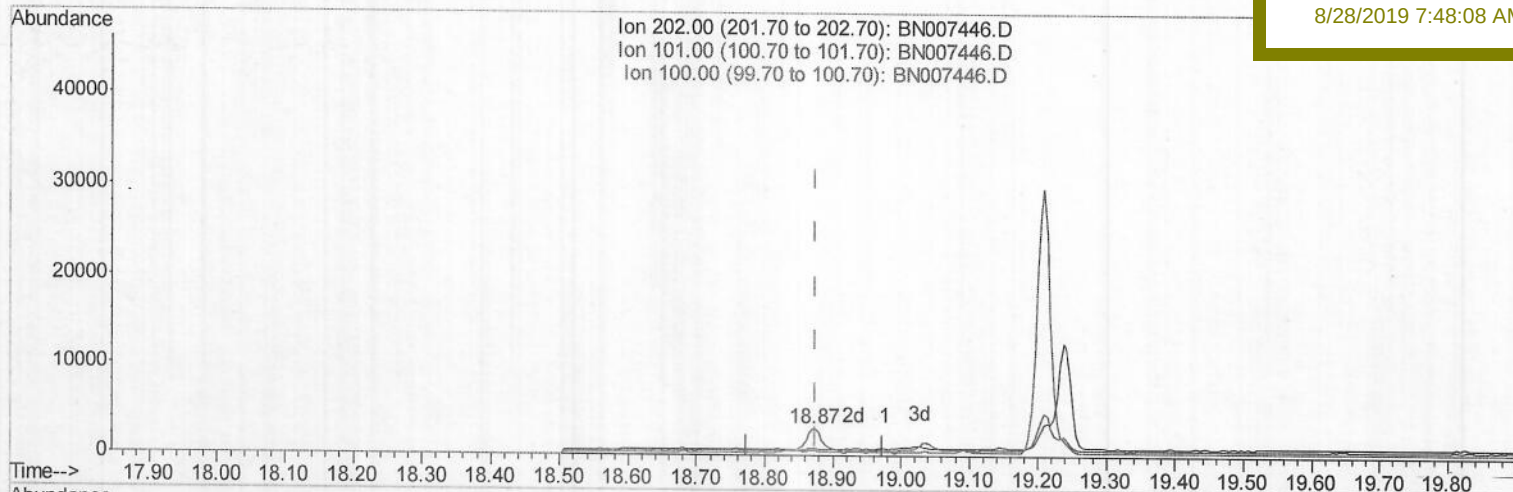
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(15) Fluoranthene (C)

18.870min (-0.005) 0.03ng/ul m *JU*
08/28/19

response 3317

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	25.63
100.00	8.50	17.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:32:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

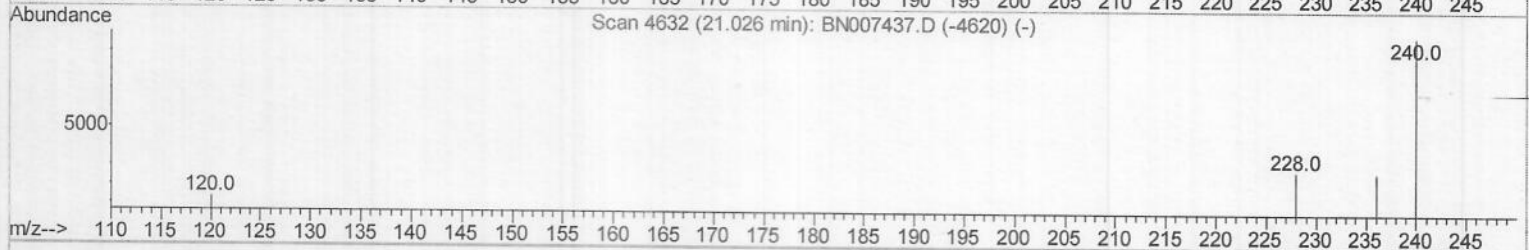
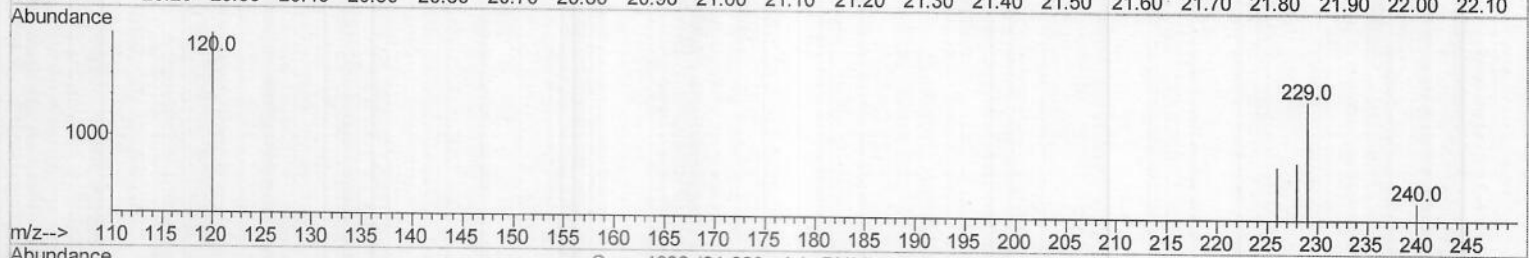
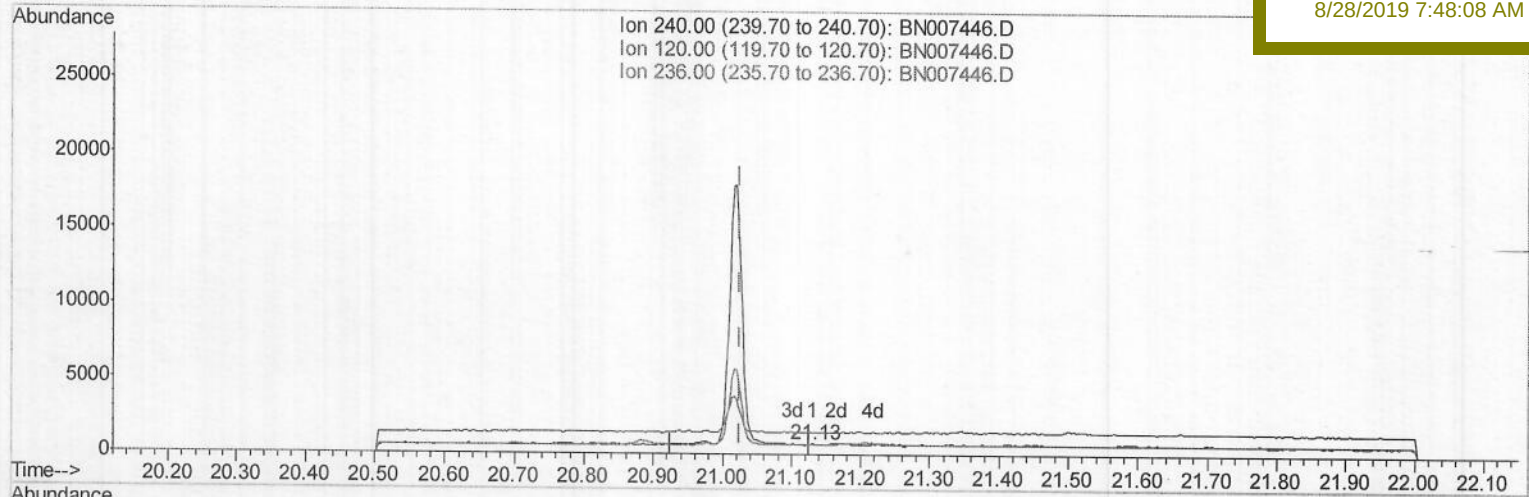
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



(16) Chrysene-d12 (I)

21.131min (+0.105) 0.40ng/ul

response 80

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	211.16#
236.00	28.60	88.56#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:32:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

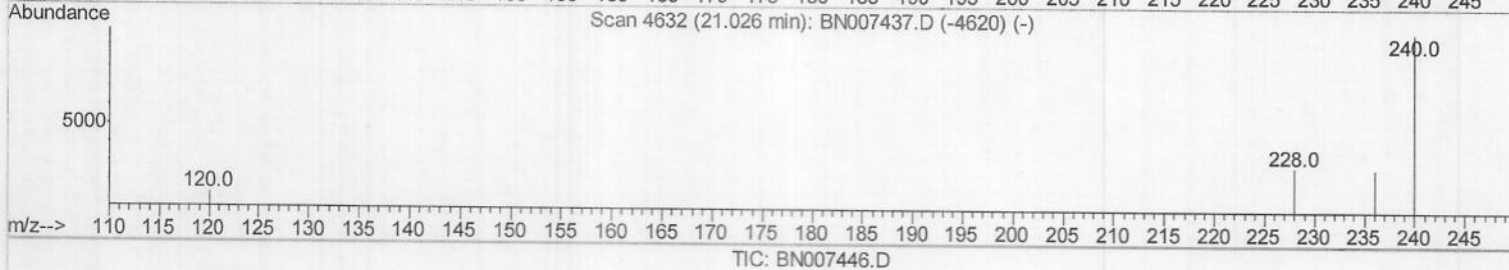
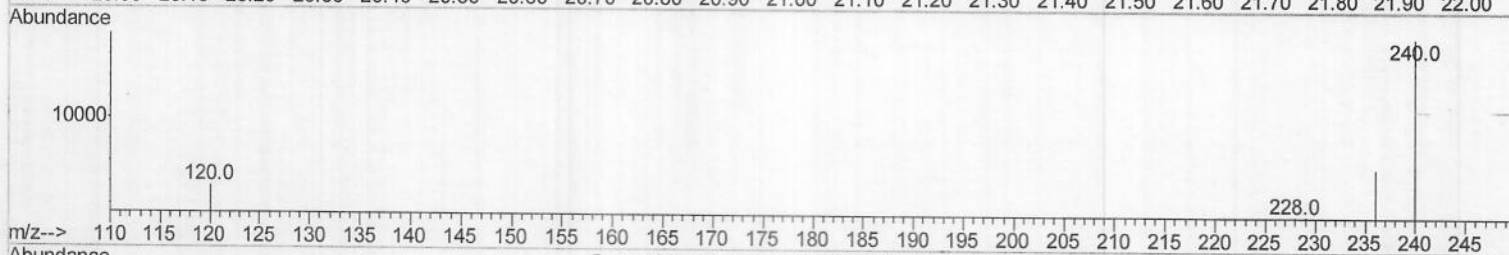
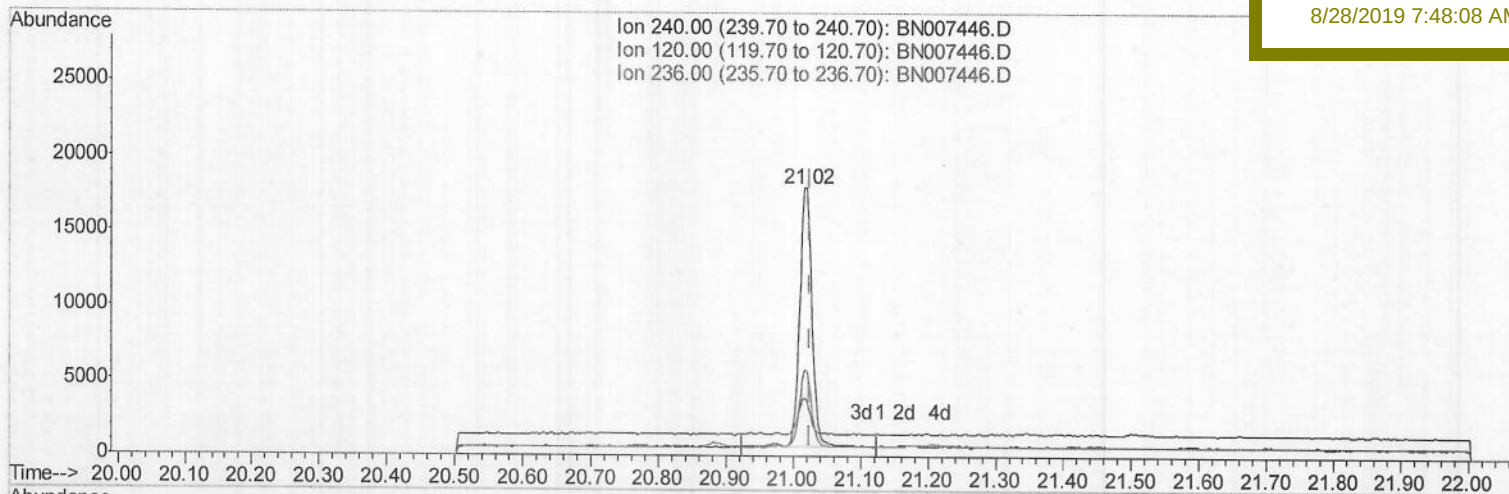
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

(16) Chrysene-d12 (I)

21.020min (-0.006) 0.40ng/ul m >JU
08/28/19

response 21584

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	20.40#
236.00	28.60	31.33
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:33:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

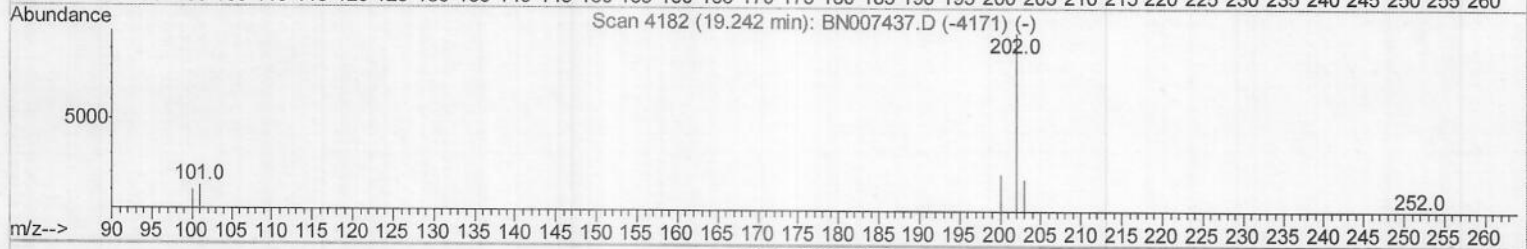
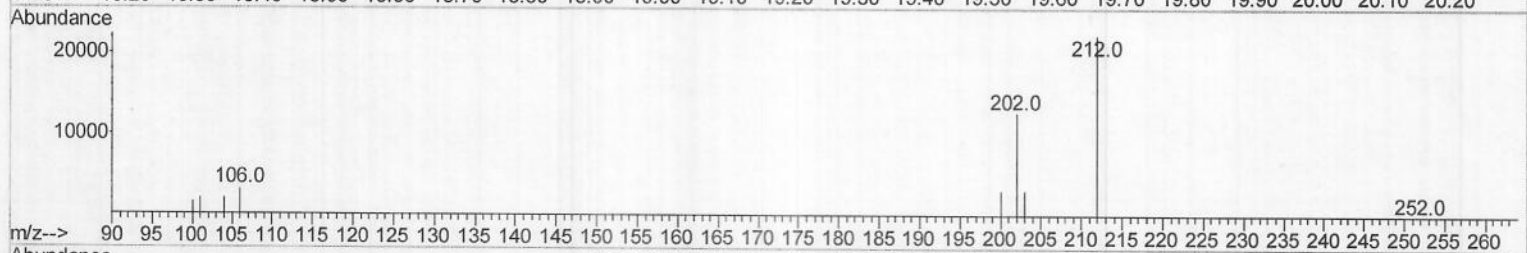
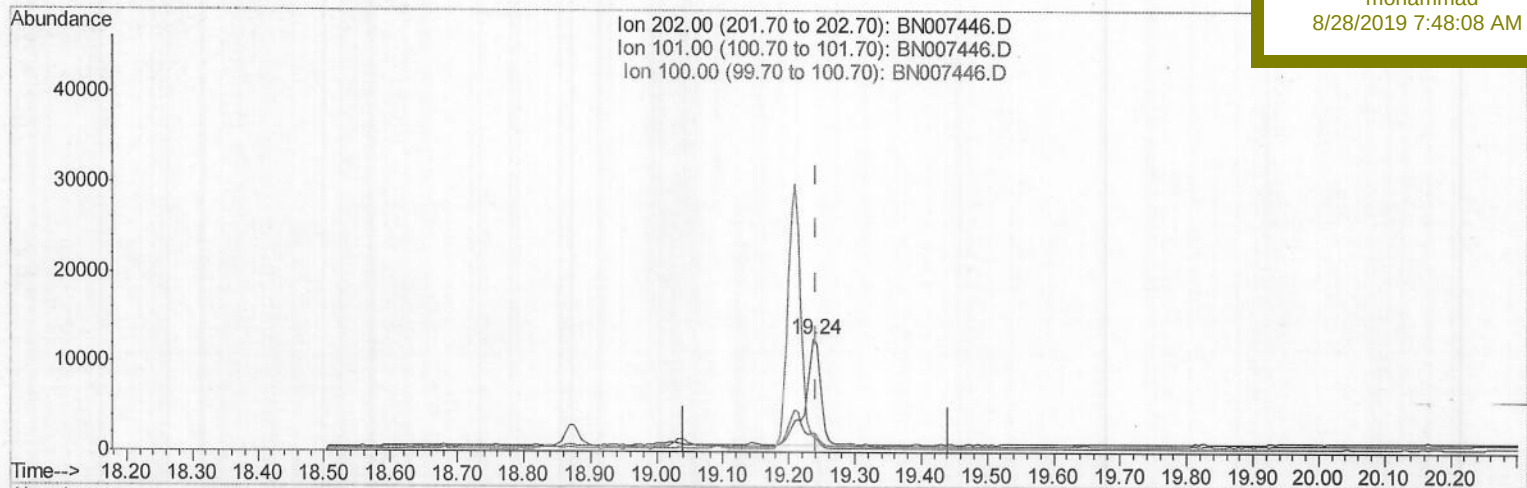
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(17) Pyrene

19.237min (-0.005) 0.19ng/ul

response 19766

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	16.99#
100.00	10.70	14.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:33:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

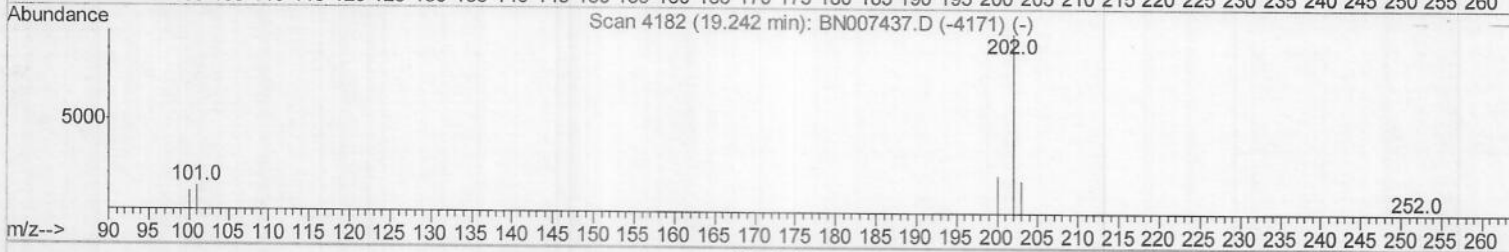
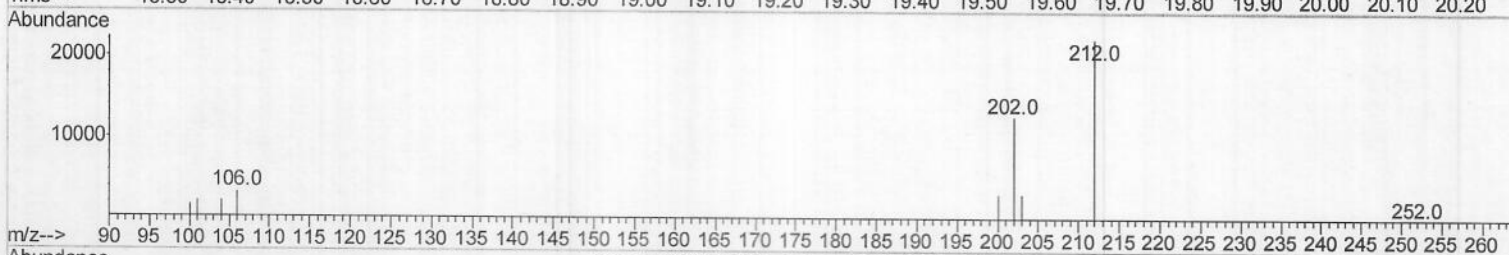
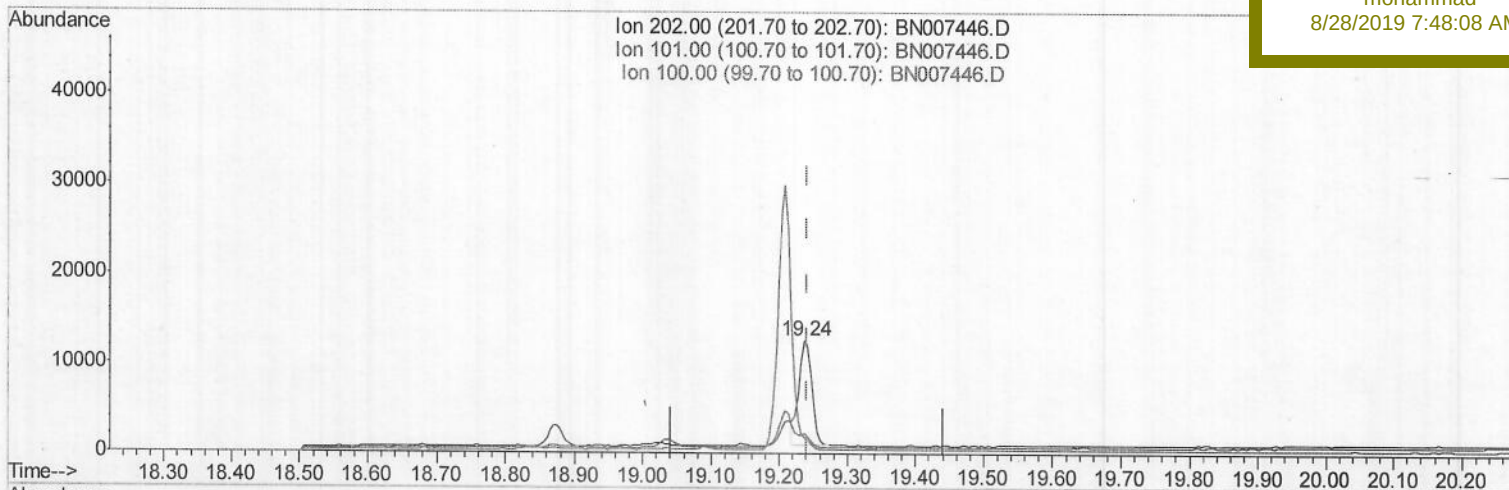
C0AA6

Manual Integrations

APPROVED

mohammad

8/28/2019 7:48:08 AM



TIC: BN007446.D

(17) Pyrene

19.237min (-0.005) 0.15ng/ul m

response 15476

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	16.99#
100.00	10.70	14.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:33:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

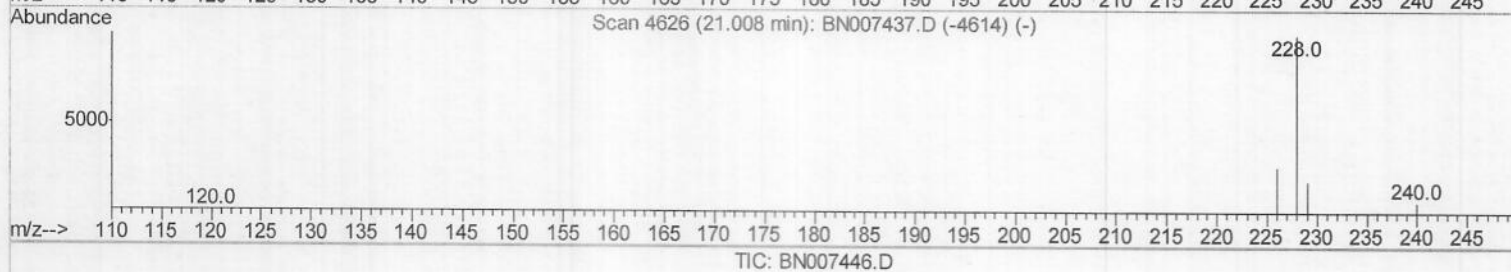
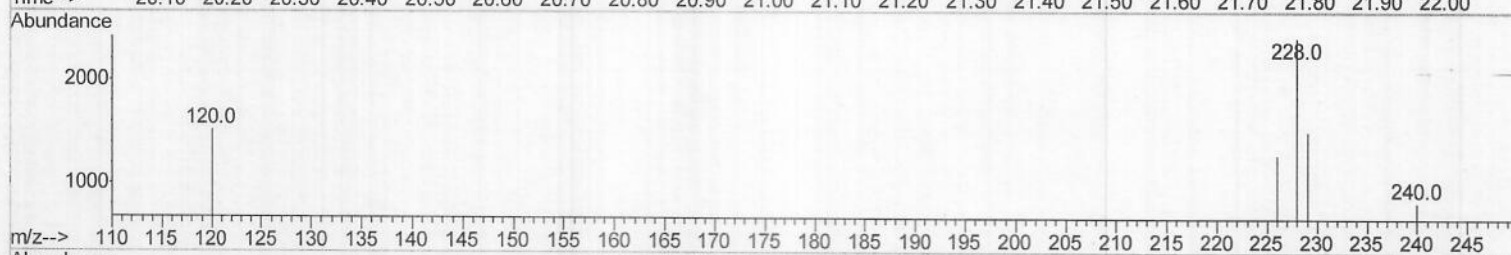
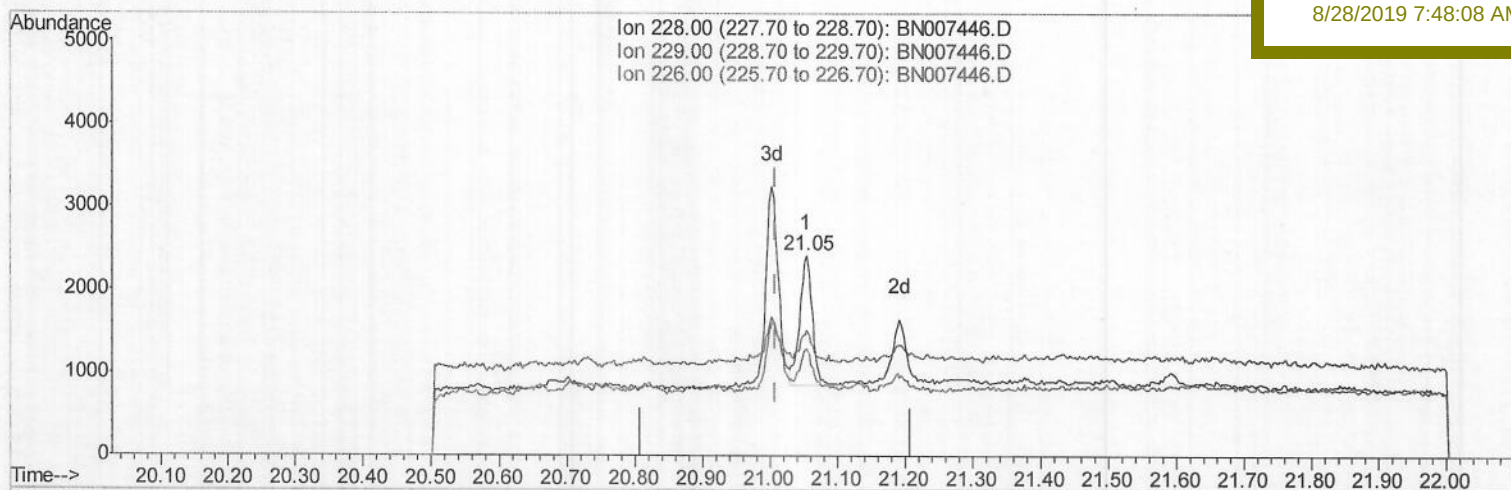
BNA_N

ClientSampleId :

C0AA6

Manual Integrations

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8/28/2019 7:48:08 AM

(18) Benzo(a)anthracene

21.055min (+0.047) 0.02ng/ul

response 2074

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	62.87#
226.00	27.50	53.52#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:33:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

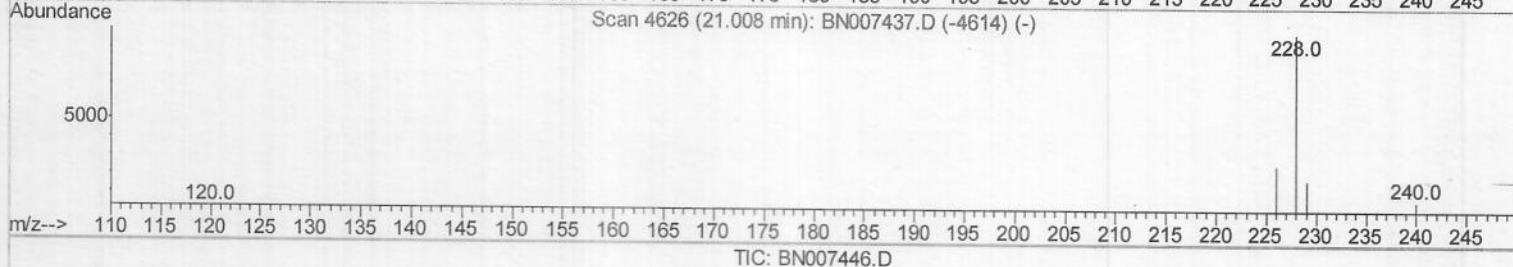
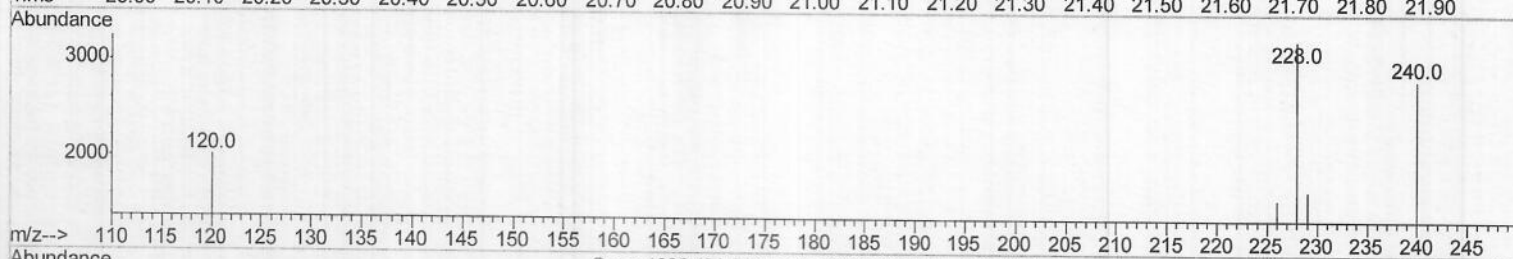
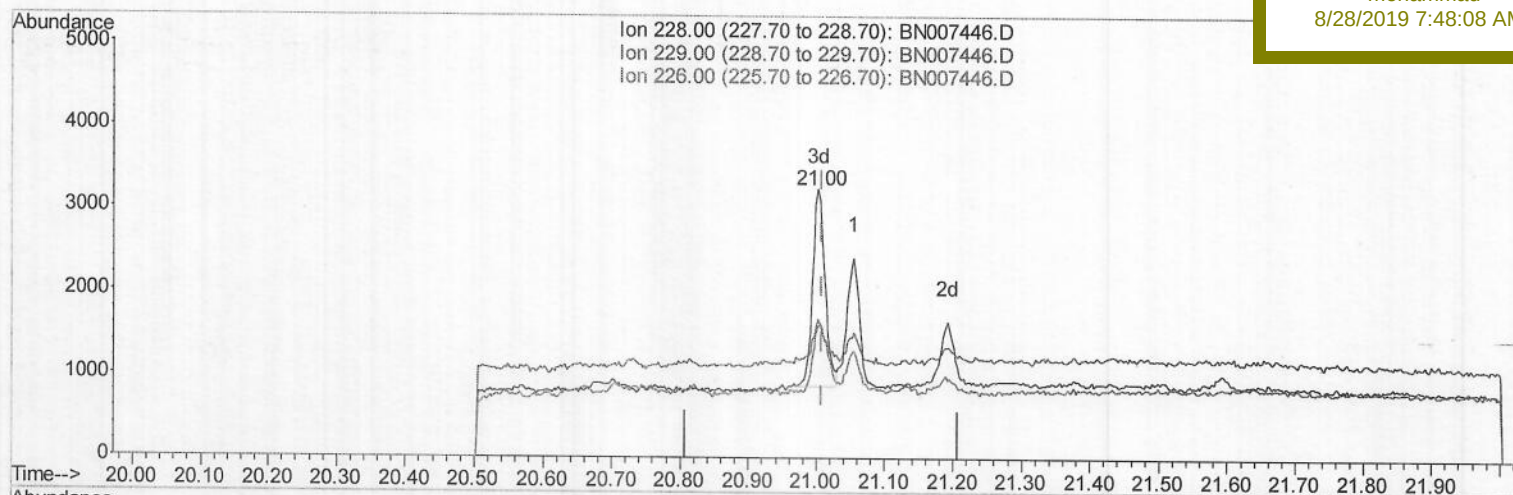
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA6

Manual Integrations
APPROVEDmohammad
8/28/2019 7:48:08 AM

(18) Benzo(a)anthracene

21.002min (-0.006) 0.03ng/ul m) JU
08/28/19

response 2986

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	51.82#
226.00	27.50	49.32#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\

Data File : BN007446.D

Acq On : 27 Aug 2019 23:42

Operator : HP/JU

Sample : K4337-12

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 00:36:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client SampleId :

C0AA6

Manual Integrations

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mohammad

8/28/2019 7:48:08 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5292	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22626	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	12751	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	25844m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	21584m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	26569	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.76	152	14781	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	35872m	0.43	ng/ul	0.00

Target Compounds

						Ovalue
3) Naphthalene	10.20	128	2925	0.046	ng/ul#	84
7) Acenaphthylene	13.76	152	3336	0.047	ng/ul#	82
8) Acenaphthene	14.11	153	6421	0.126	ng/ul	98
9) Fluorene	15.11	166	6237	0.113	ng/ul#	88
11) Pentachlorophenol	16.46	266	1365429m	234.521	ng/ul	
12) Phenanthrene	16.84	178	2469m	0.031	ng/ul	
13) Anthracene	16.93	178	47669m	0.627	ng/ul	
15) Fluoranthene	18.87	202	3317m	0.031	ng/ul	
17) Pyrene	19.24	202	15476m	0.147	ng/ul	
18) Benzo(a)anthracene	21.00	228	2986m	0.031	ng/ul	

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