

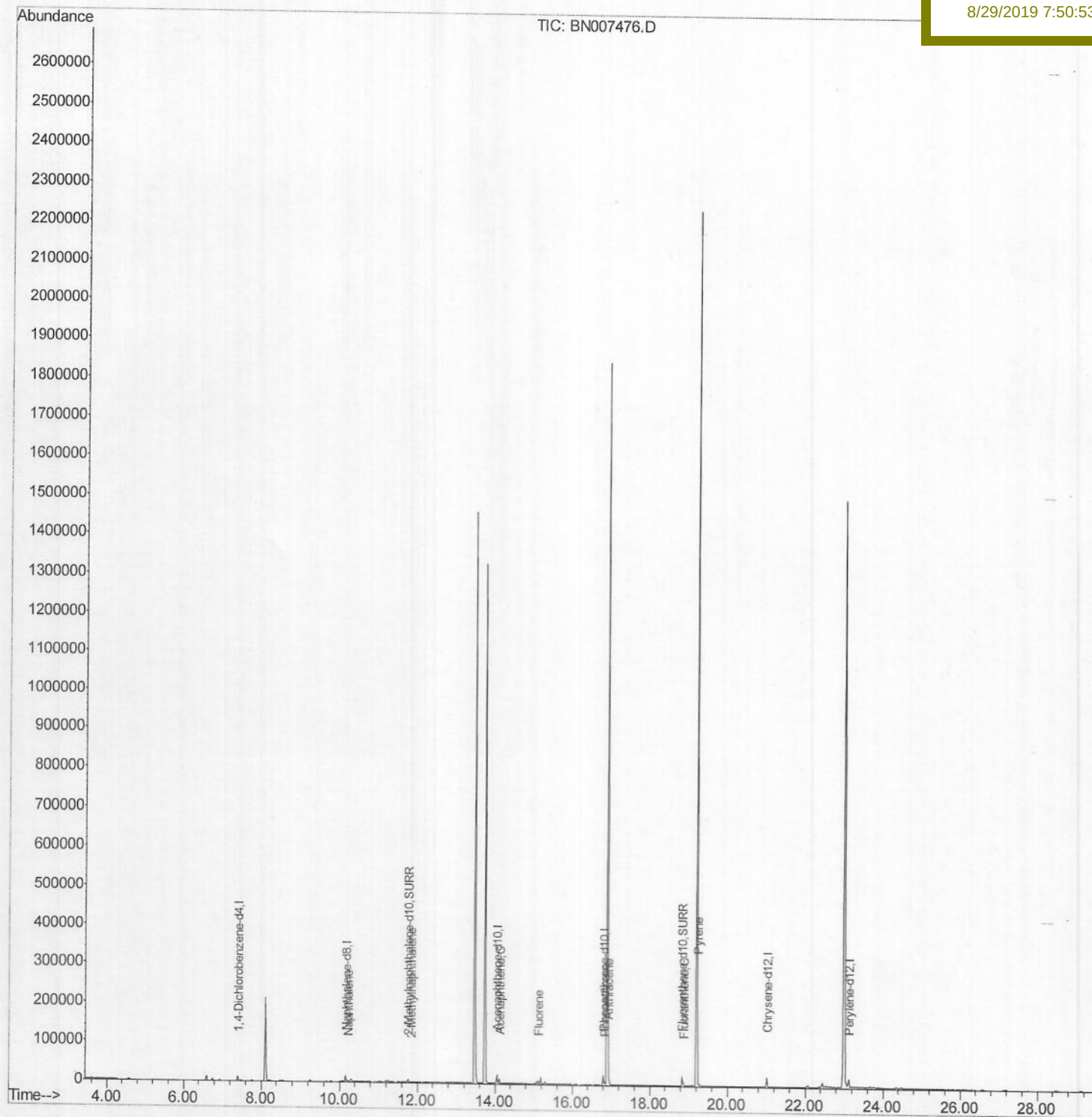
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007476.D
Acq On : 28 Aug 2019 19:48
Operator : HP/JU
Sample : K4373-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:35:56 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 :
C0AA8

Manual Integrations
APPROVED

mohammad
8/29/2019 7:50:53 AM



Quantitation Report (Qedit)

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:03:18 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 :

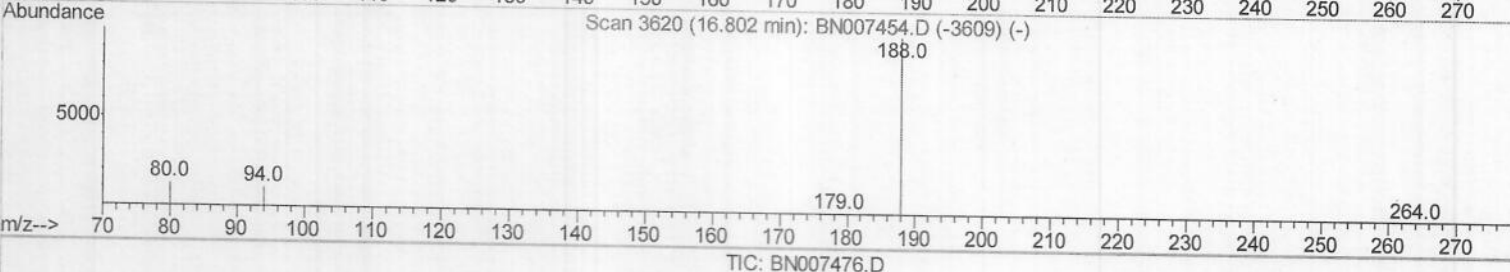
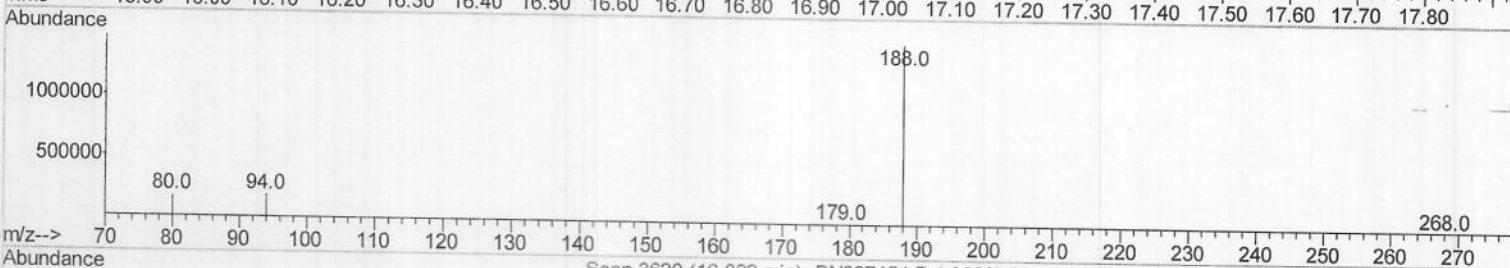
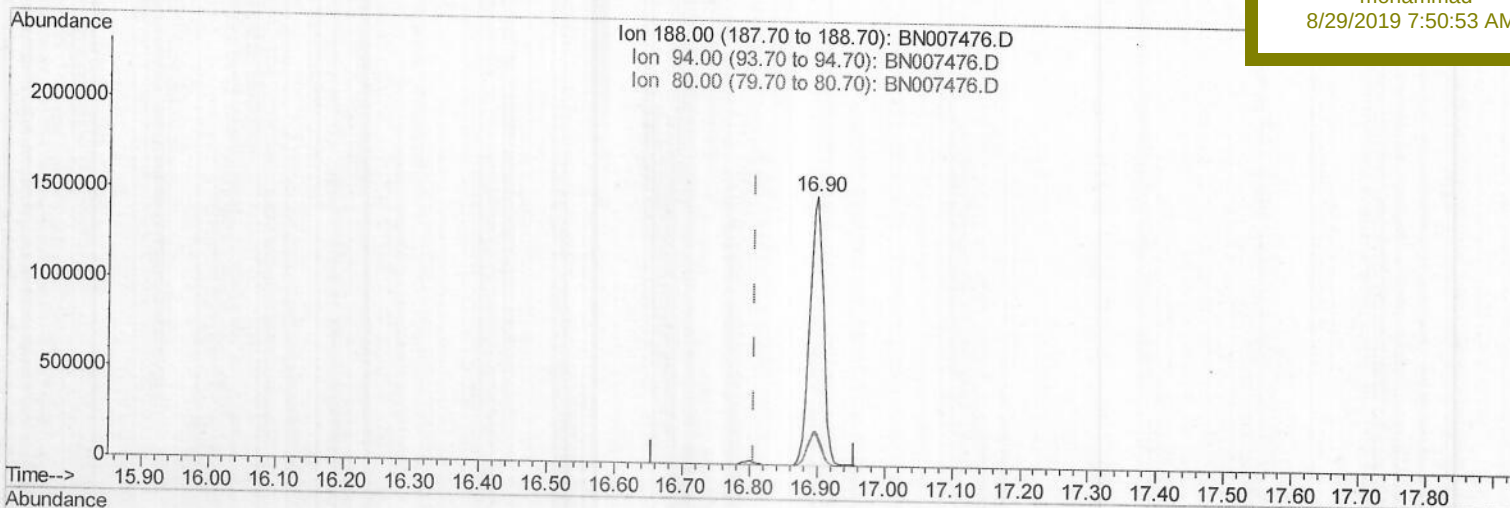
C0AA8

Manual Integrations

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(10) Phenanthrene-d10 (I)

16.899min (+0.093) 0.40ng/ul

response 2131214

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.24
80.00	12.40	11.19
0.00	0.00	0.00

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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 :

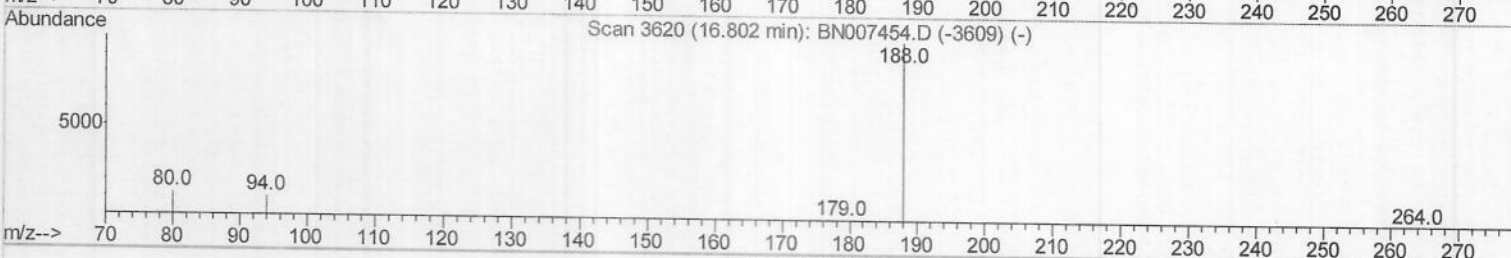
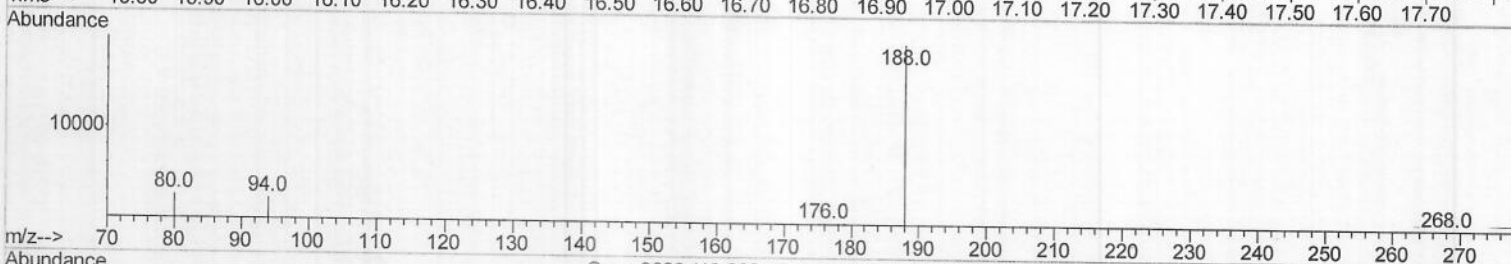
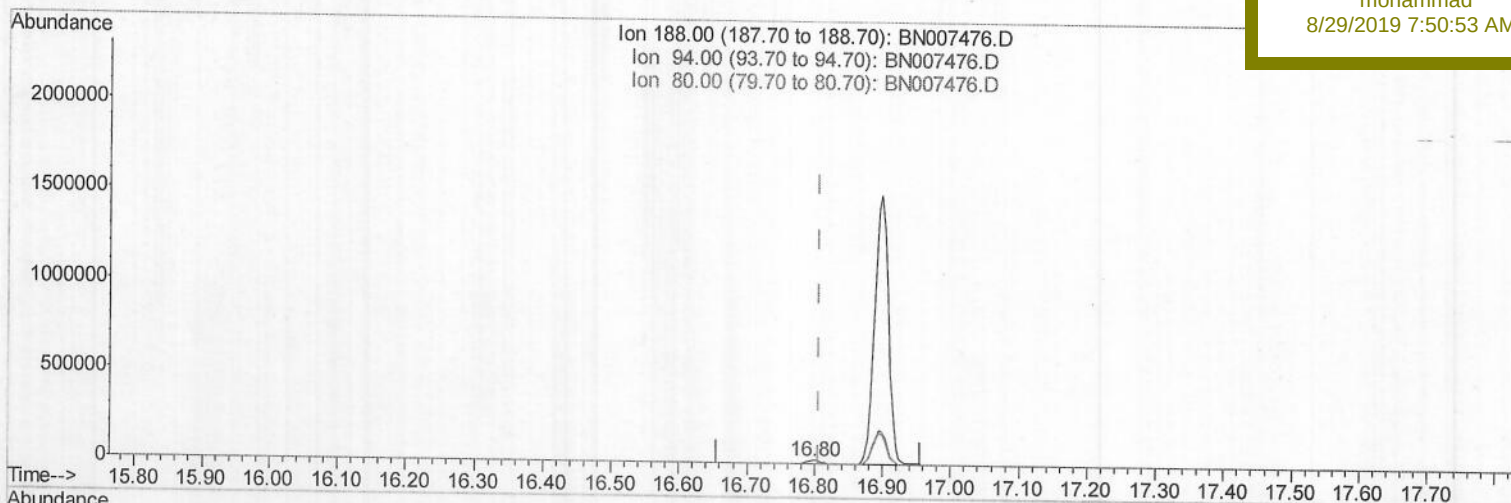
C0AA8

Manual Integrations

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TIC: BN007476.D

(10) Phenanthrene-d10 (I)

16.798min (-0.008) 0.40ng/ul m *JU*
08/24/19

response 27024

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	11.97
80.00	12.40	13.60
0.00	0.00	0.00

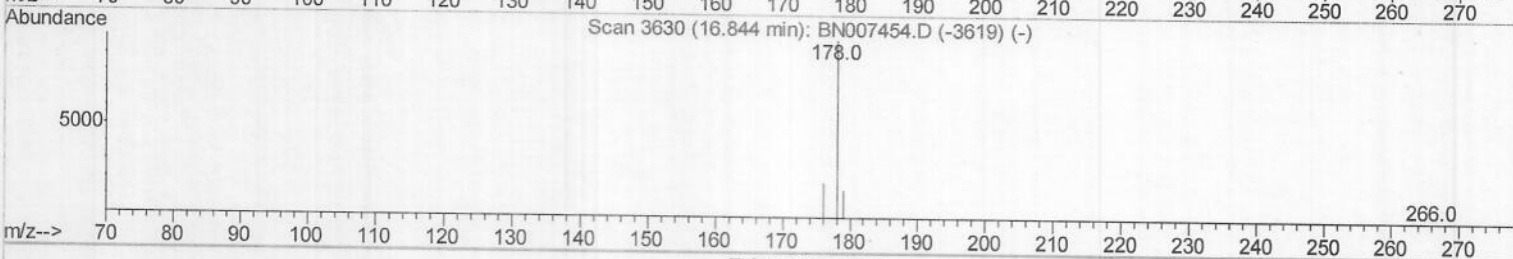
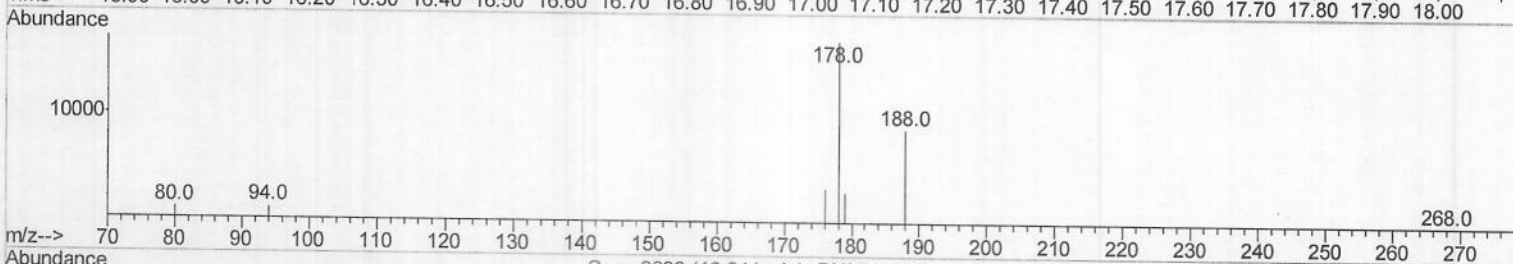
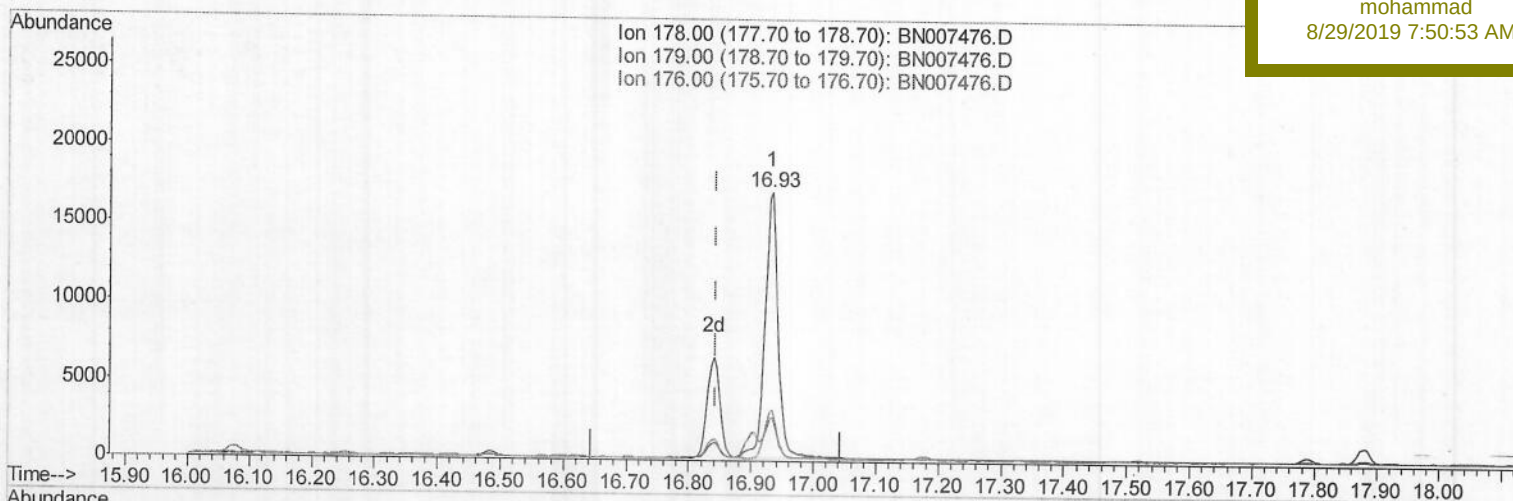
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007476.D
Acq On : 28 Aug 2019 19:48
Operator : HP/JU
Sample : K4373-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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 :
C0AA8

Manual Integrations
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TIC: BN007476.D

(12) Phenanthrene

16.933min (+0.089) 0.30ng/ul

response 25666

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.41
176.00	19.00	18.88
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007476.D
Acq On : 28 Aug 2019 19:48
Operator : HP/JU
Sample : K4373-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

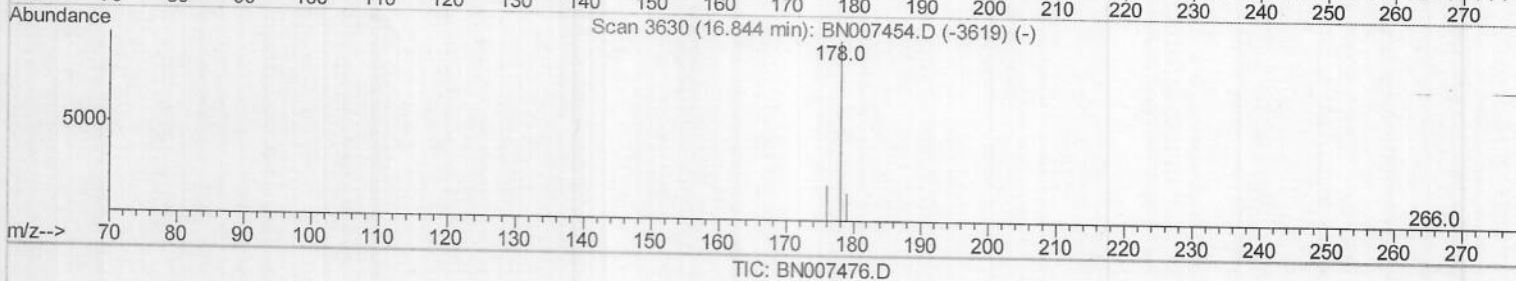
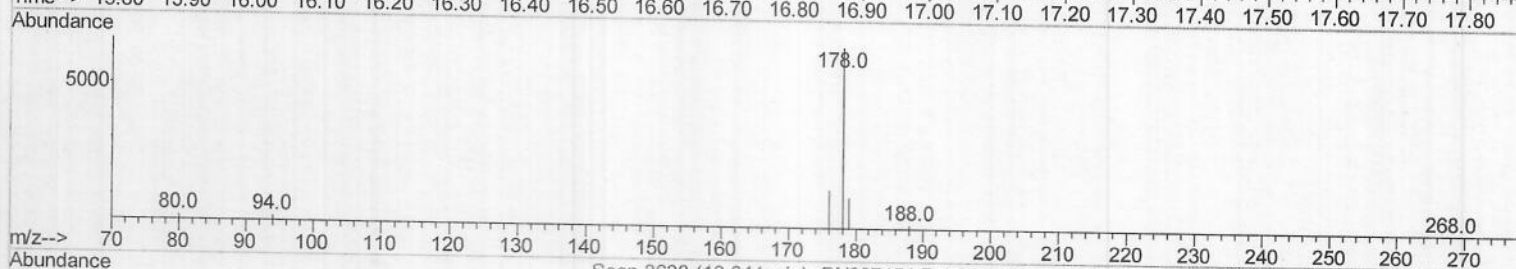
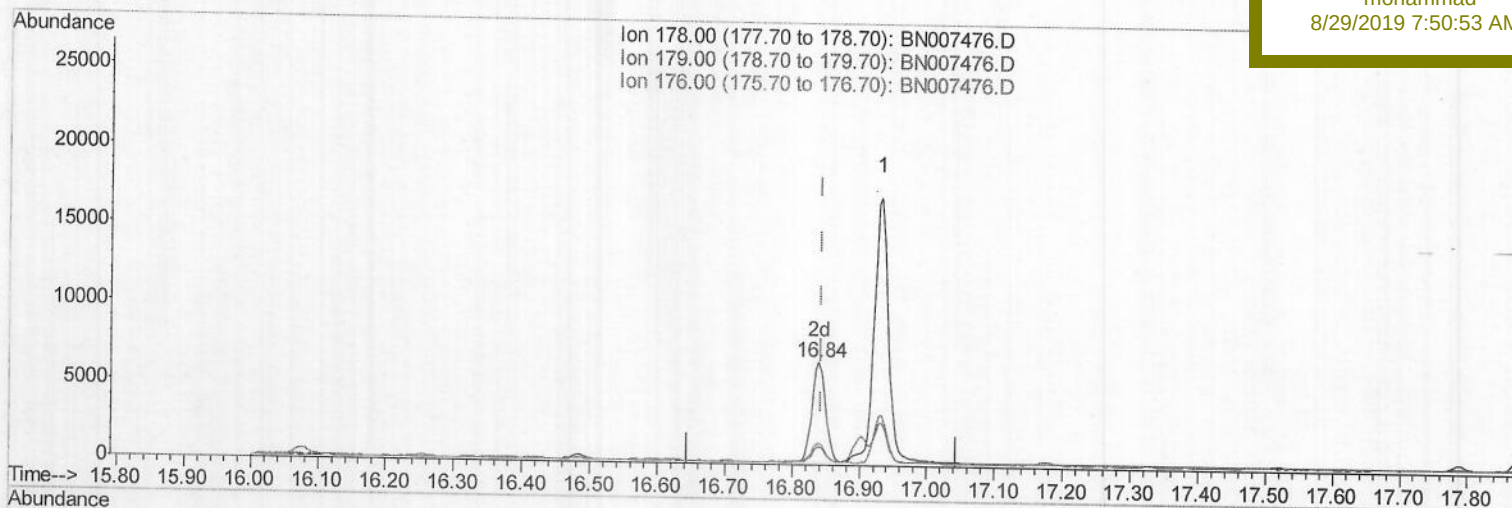
Quant Time: Aug 28 23:31:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA8

Manual Integrations
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(12) Phenanthrene

16.840min (-0.004) 0.11ng/ul m

response 9204

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	17.93
176.00	19.00	21.53
0.00	0.00	0.00

JU
08/24/19

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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

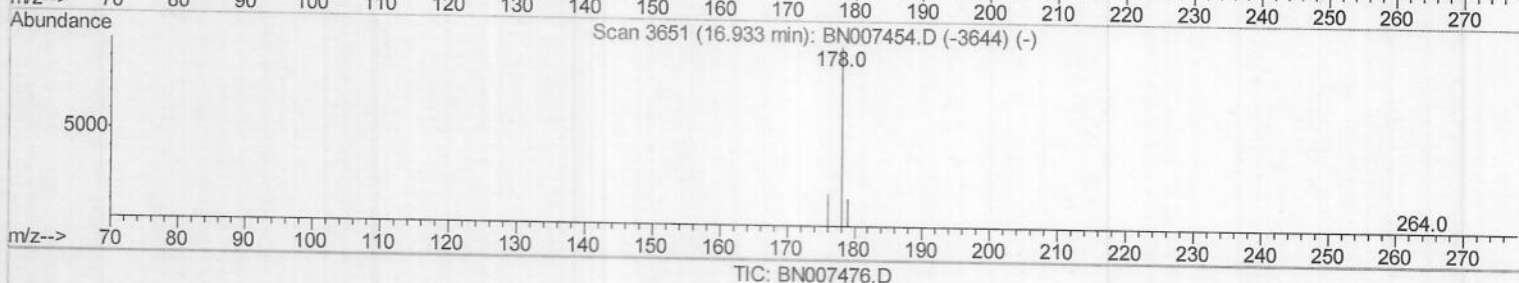
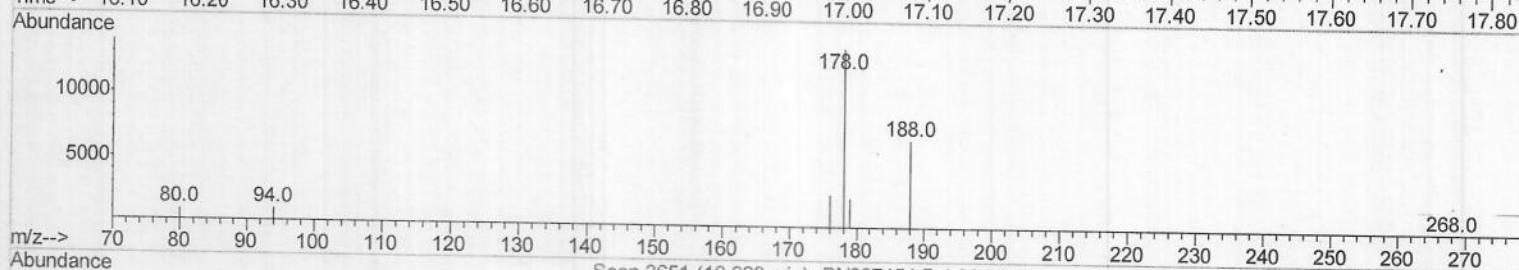
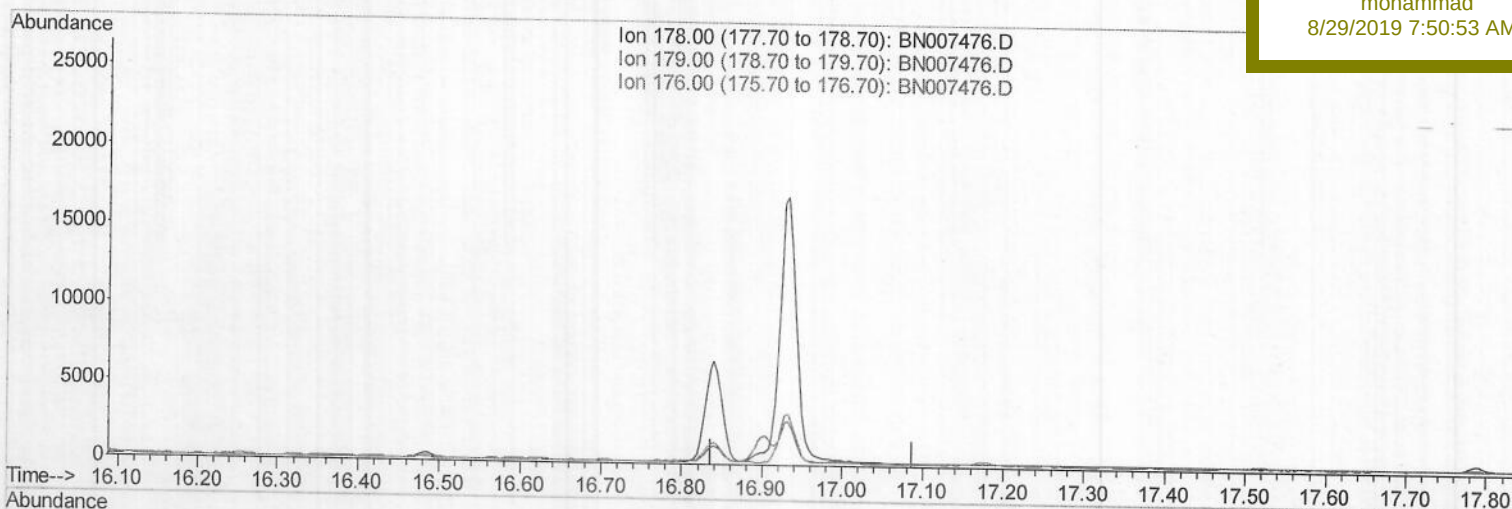
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA8

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:53 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

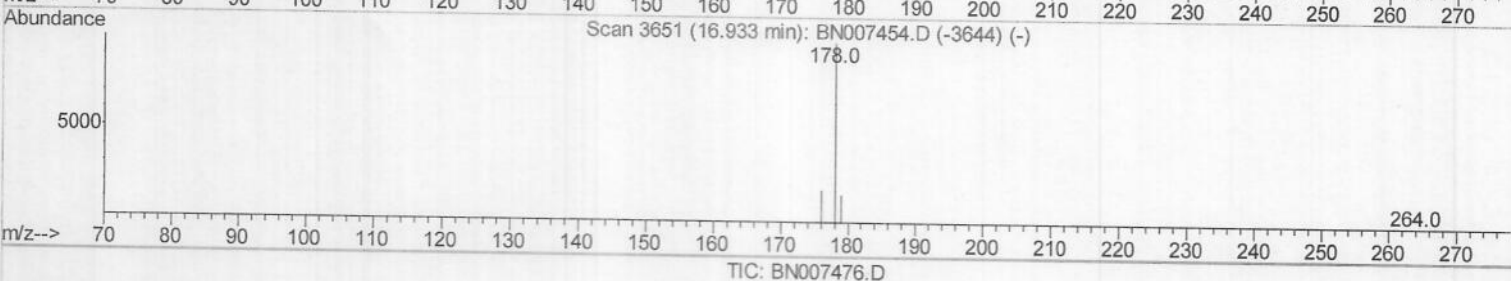
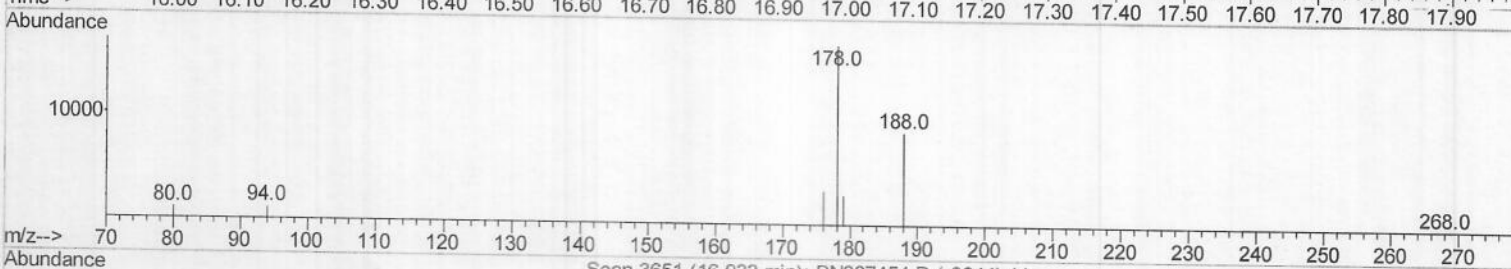
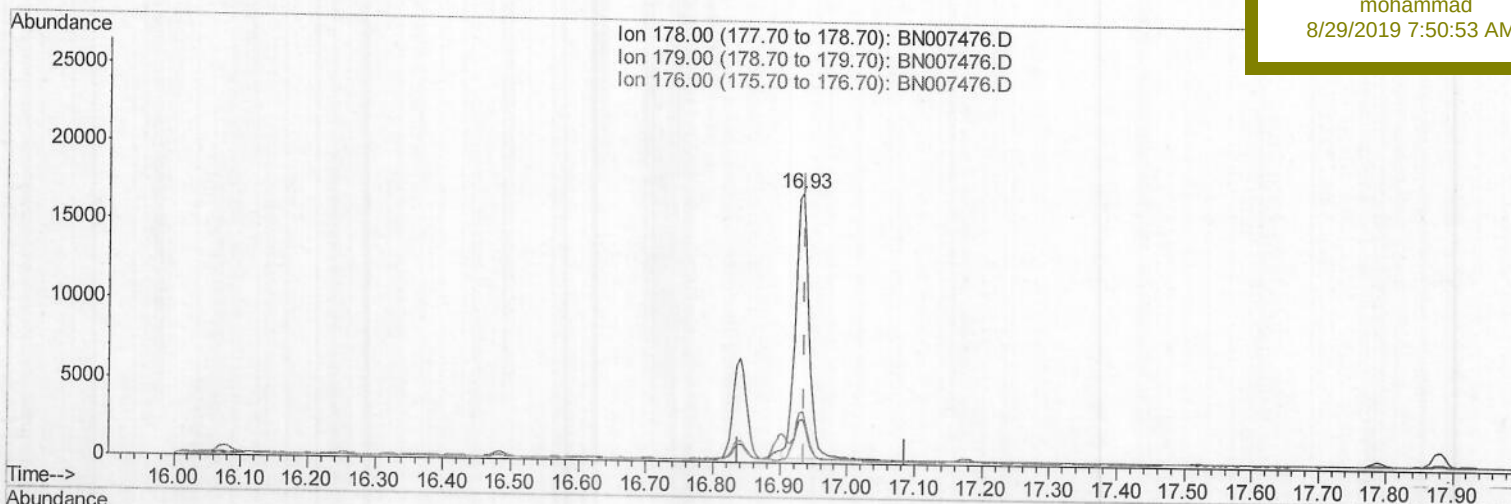
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007476.D
Acq On : 28 Aug 2019 19:48
Operator : HP/JU
Sample : K4373-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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 :
C0AA8

Manual Integrations
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(13) Anthracene

16.933min (-0.004) 0.30ng/ul m

JU
08/29/19

response 23523

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.41
176.00	18.20	18.88
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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 :

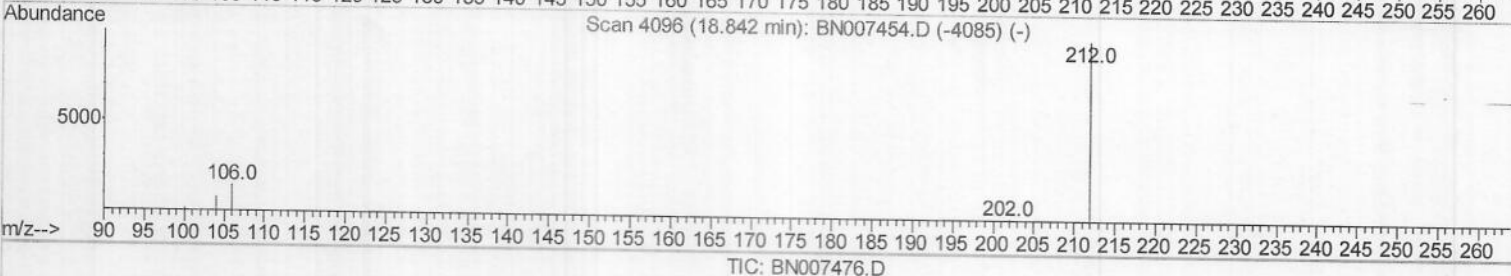
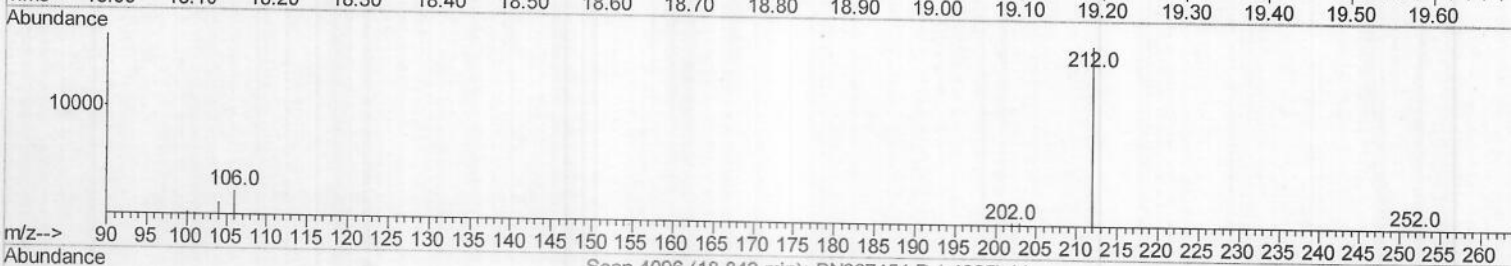
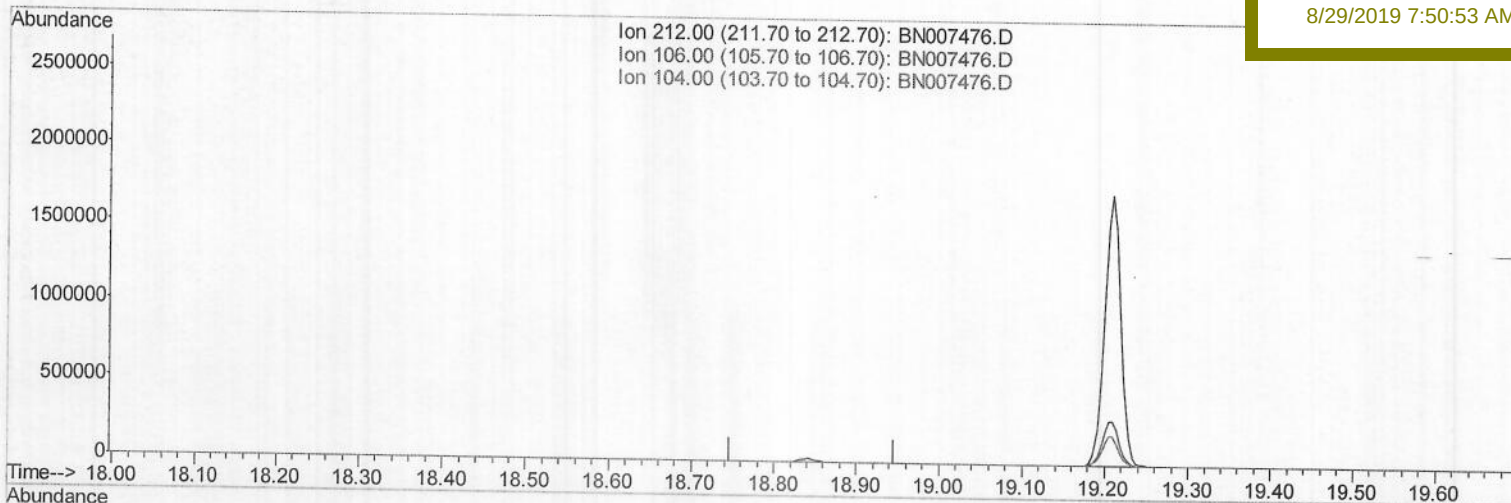
C0AA8

Manual Integrations

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(14) Fluoranthene-d10 (SURR)

18.847min (-18.847) 0.00ng/ul

response 0

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

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:31:28 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 :

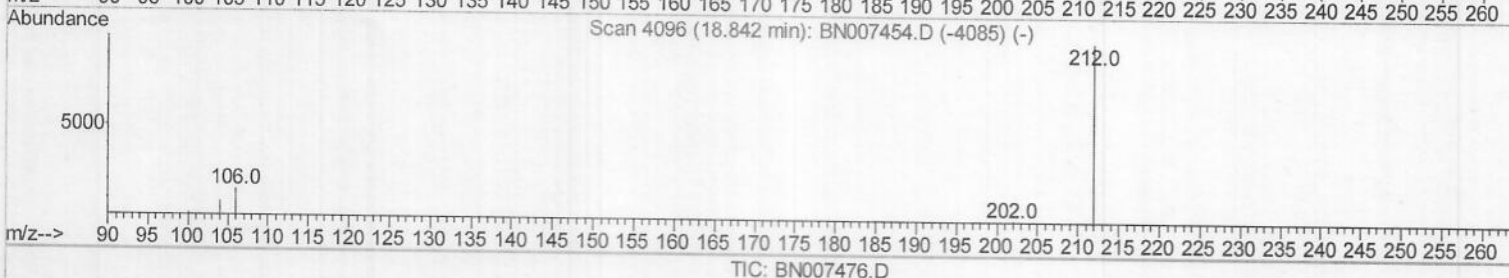
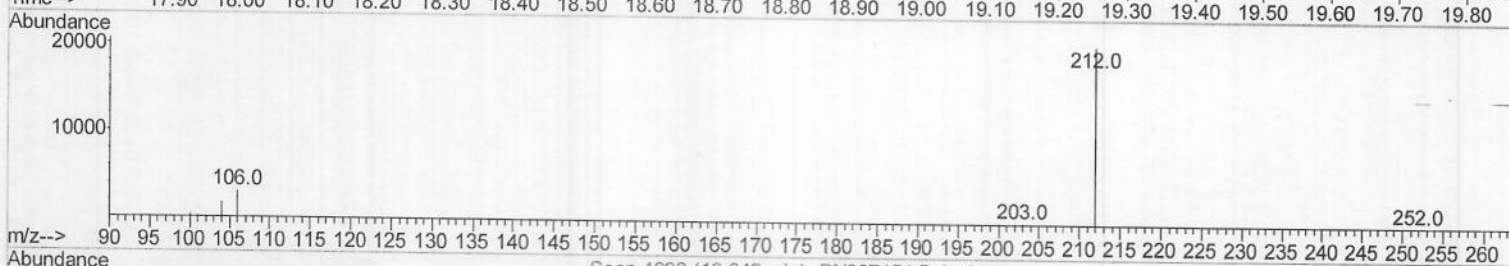
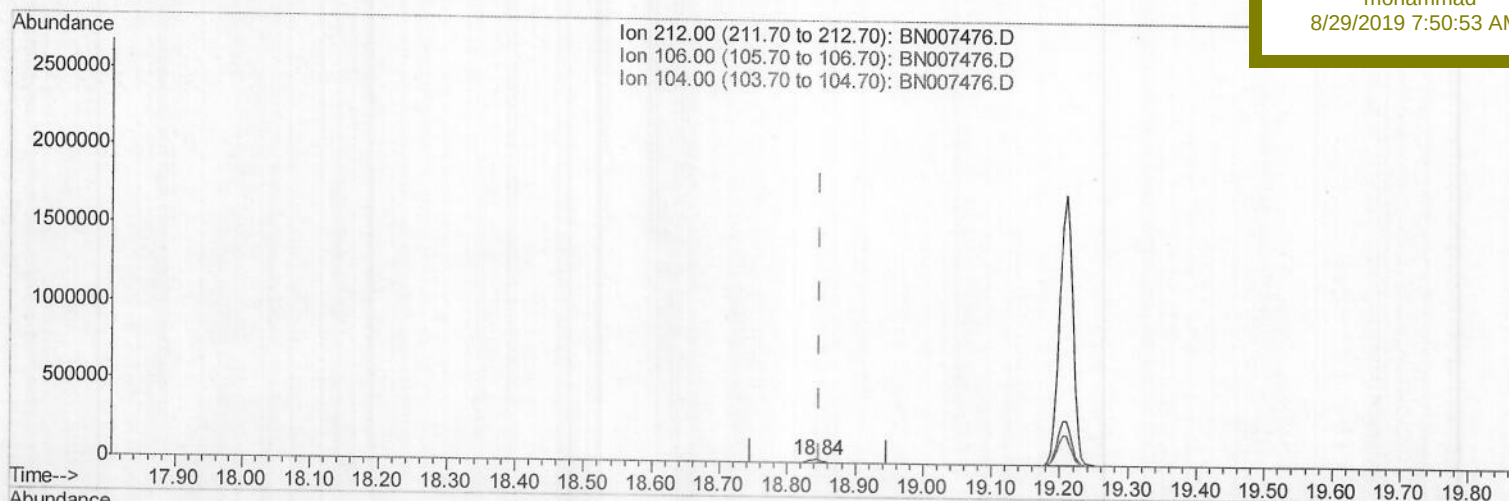
C0AA8

Manual Integrations

APPROVED

mohammad

8/29/2019 7:50:53 AM



(14) Fluoranthene-d10 (SURR)

18.842min (-0.005) 0.32ng/ul m

response 27853

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

JU
08/29/19

Quantitation Report (Qedit)

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:33:28 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 :

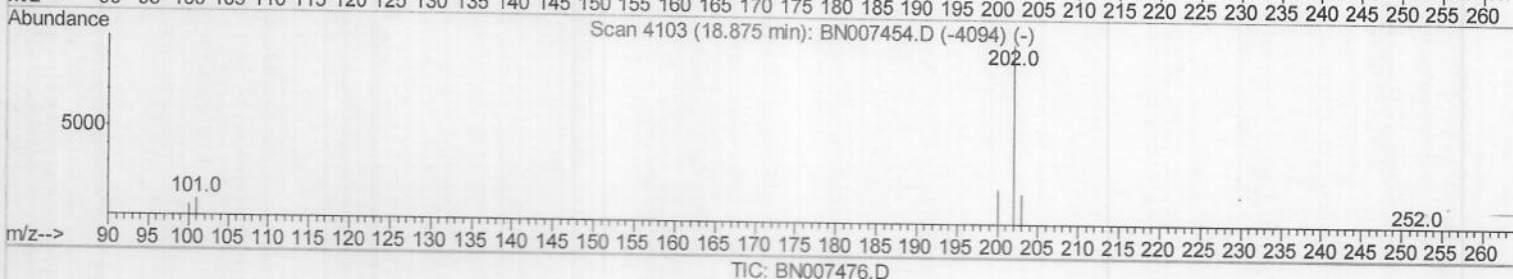
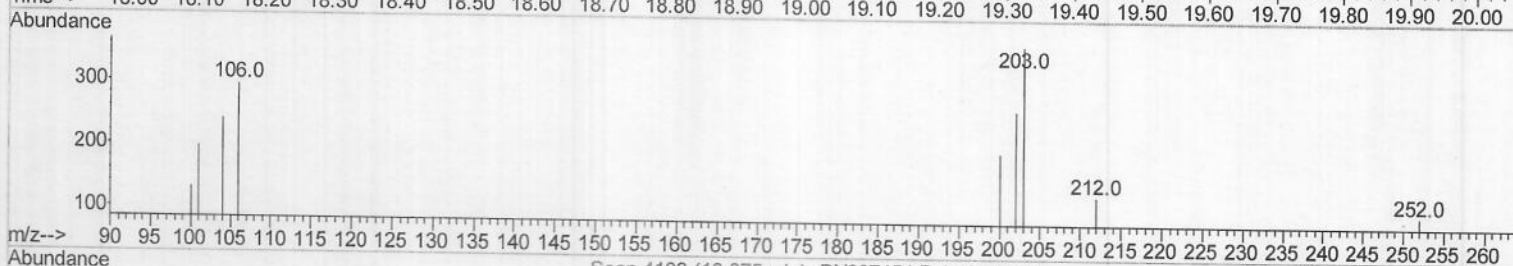
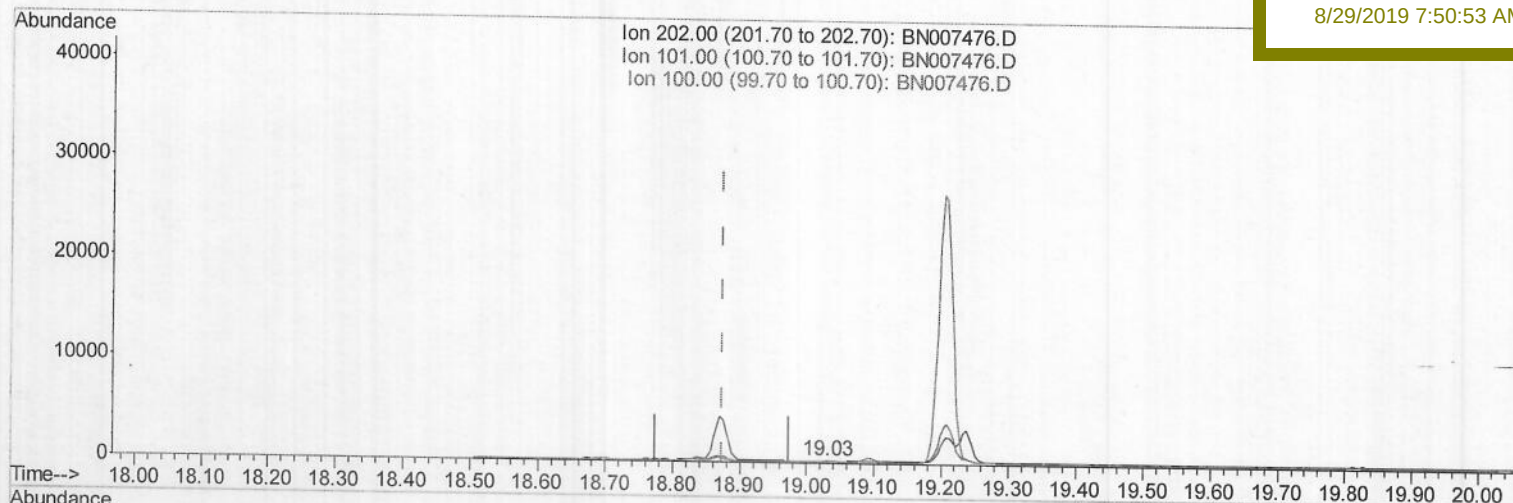
C0AA8

Manual Integrations

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8/29/2019 7:50:53 AM



(15) Fluoranthene (C)

19.028min (+0.153) 0.00ng/ul

response 178

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	73.86#
100.00	8.50	49.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:33:28 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 :

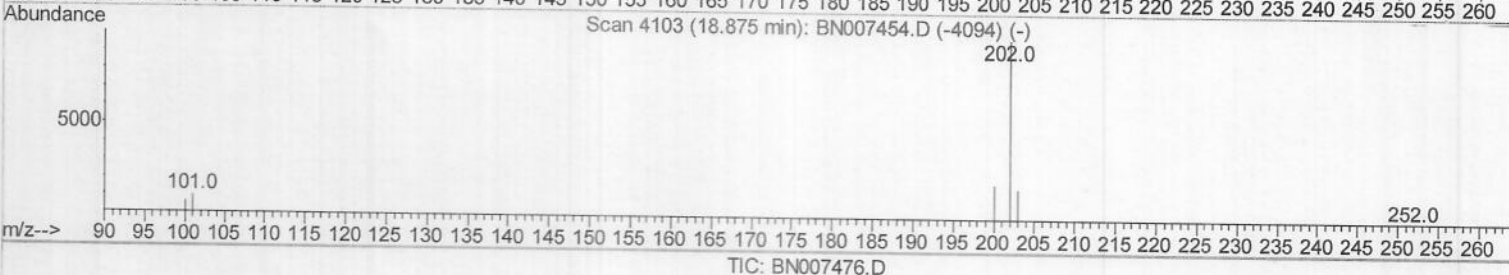
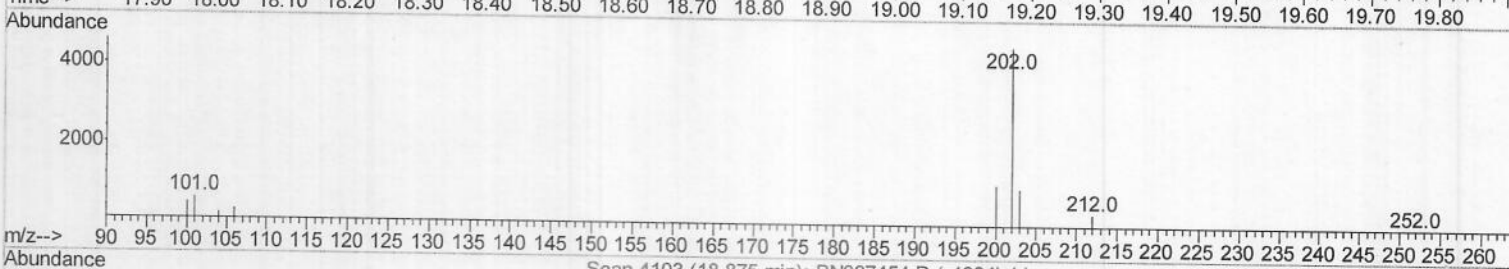
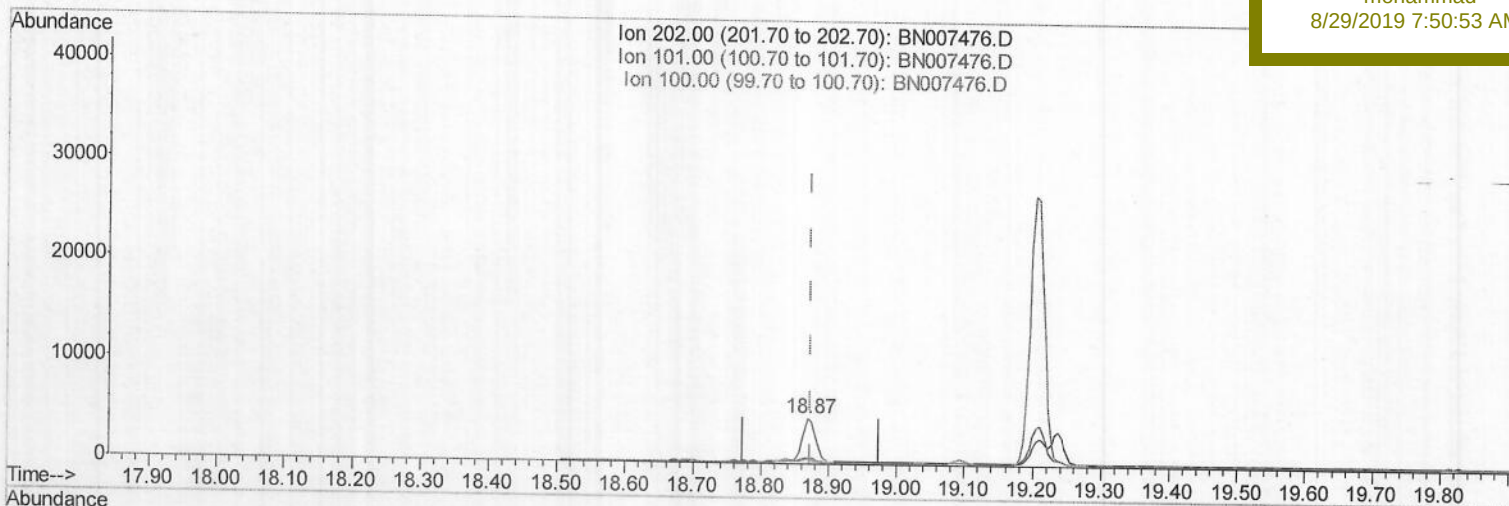
C0AA8

Manual Integrations

APPROVED

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8/29/2019 7:50:53 AM



(15) Fluoranthene (C)

18.870min (-0.005) 0.05ng/ul m

response 5847

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	13.37
100.00	8.50	10.31
0.00	0.00	0.00

SJU
08/29/19

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:33:28 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

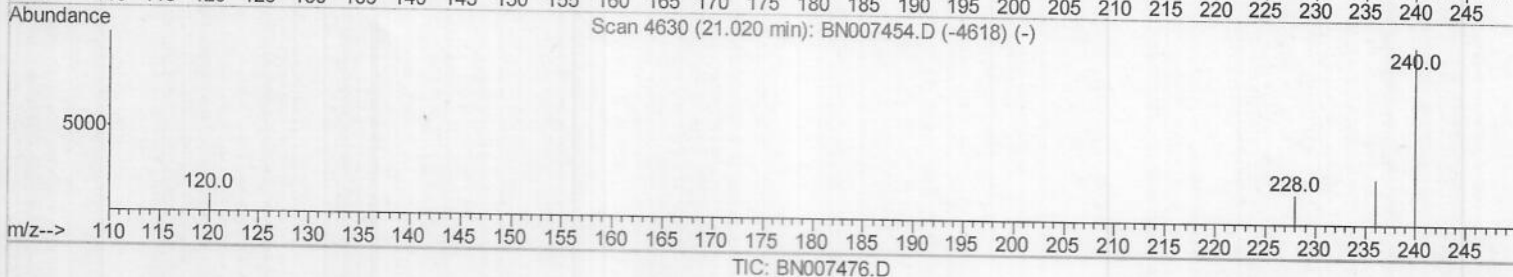
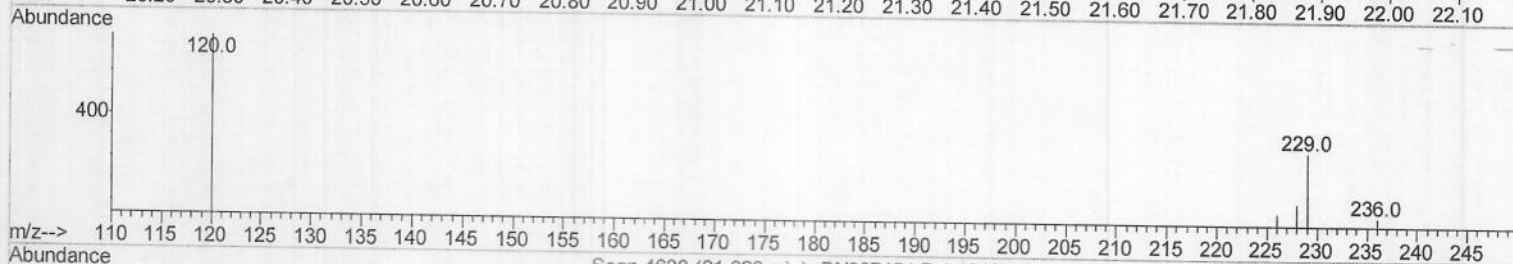
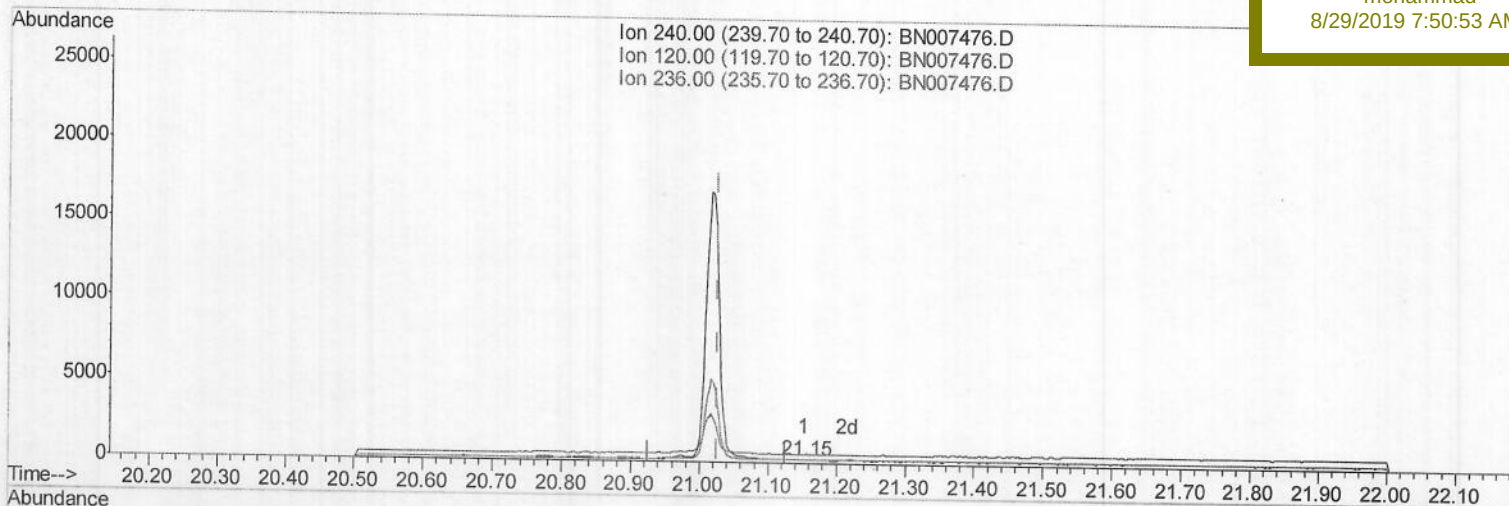
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA8

Manual Integrations
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8/29/2019 7:50:53 AM

(16) Chrysene-d12 (I)

21.154min (+0.128) 0.40ng/ul

response 50

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	254.88#
236.00	28.60	106.98#
0.00	0.00	0.00

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

Data File : BN007476.D

Acq On : 28 Aug 2019 19:48

Operator : HP/JU

Sample : K4373-02

Misc :

ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 28 23:35:56 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

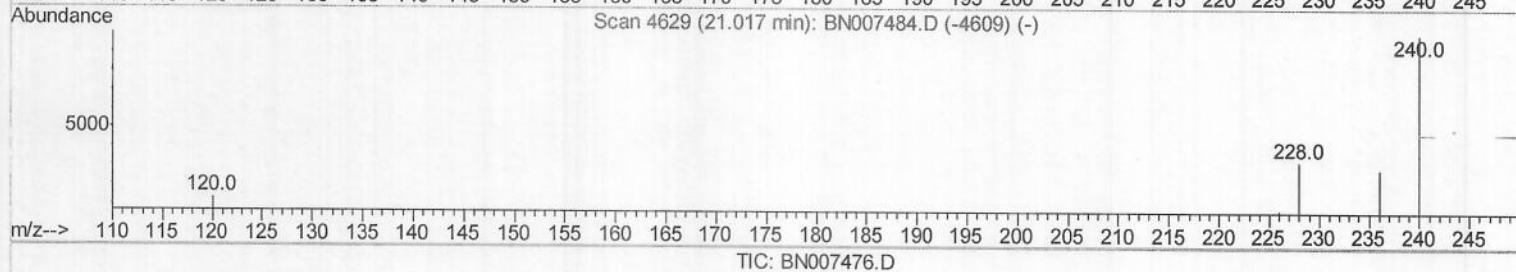
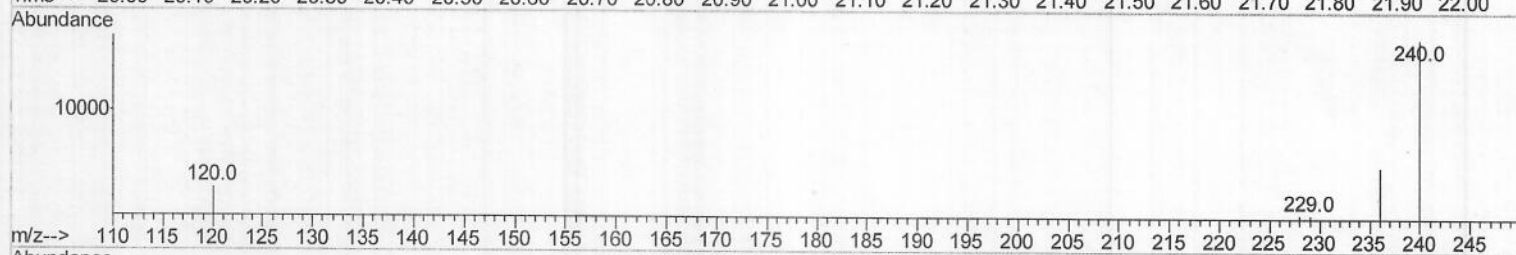
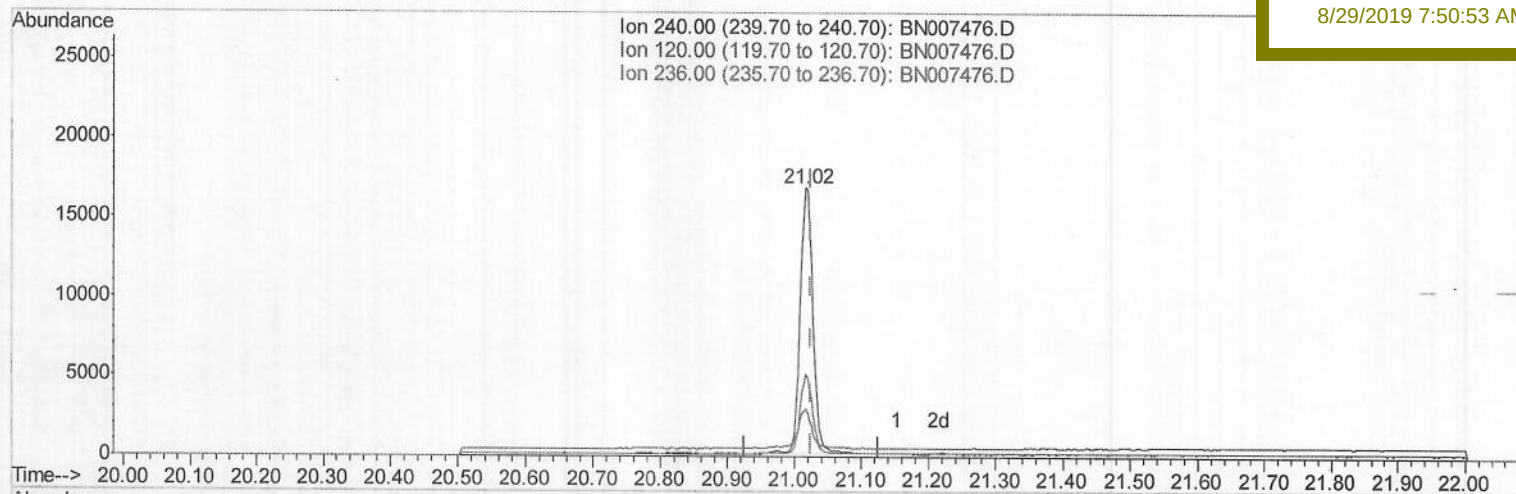
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AA8

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:53 AM

(16) Chrysene-d12 (I)

21.017min (-0.009) 0.40ng/ul m
response 22010

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	17.73
236.00	28.60	30.52
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007476.D
 Acq On : 28 Aug 2019 19:48
 Operator : HP/JU
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 ALS Vial : 49 Sample Multiplier: 1

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 C0AA8

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5016	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21984	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11802	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	27024m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	22010m)	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	29069	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	10865	0.32	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	27853m)	0.32	ng/ul	0.00

Target Compounds						Ovalue
3) Naphthalene	10.20	128	5162	0.083	ng/ul#	93
5) 2-Methylnaphthalene	11.83	142	983	0.024	ng/ul	97
8) Acenaphthene	14.11	153	7241	0.153	ng/ul	98
9) Fluorene	15.11	166	5597	0.110	ng/ul	98
12) Phenanthrene	16.84	178	9204m)	0.109	ng/ul	
13) Anthracene	16.93	178	23523m)	0.296	ng/ul	
15) Fluoranthene	18.87	202	5847m)	0.052	ng/ul	
17) Pyrene	19.24	202	3805	0.035	ng/ul#	87

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