

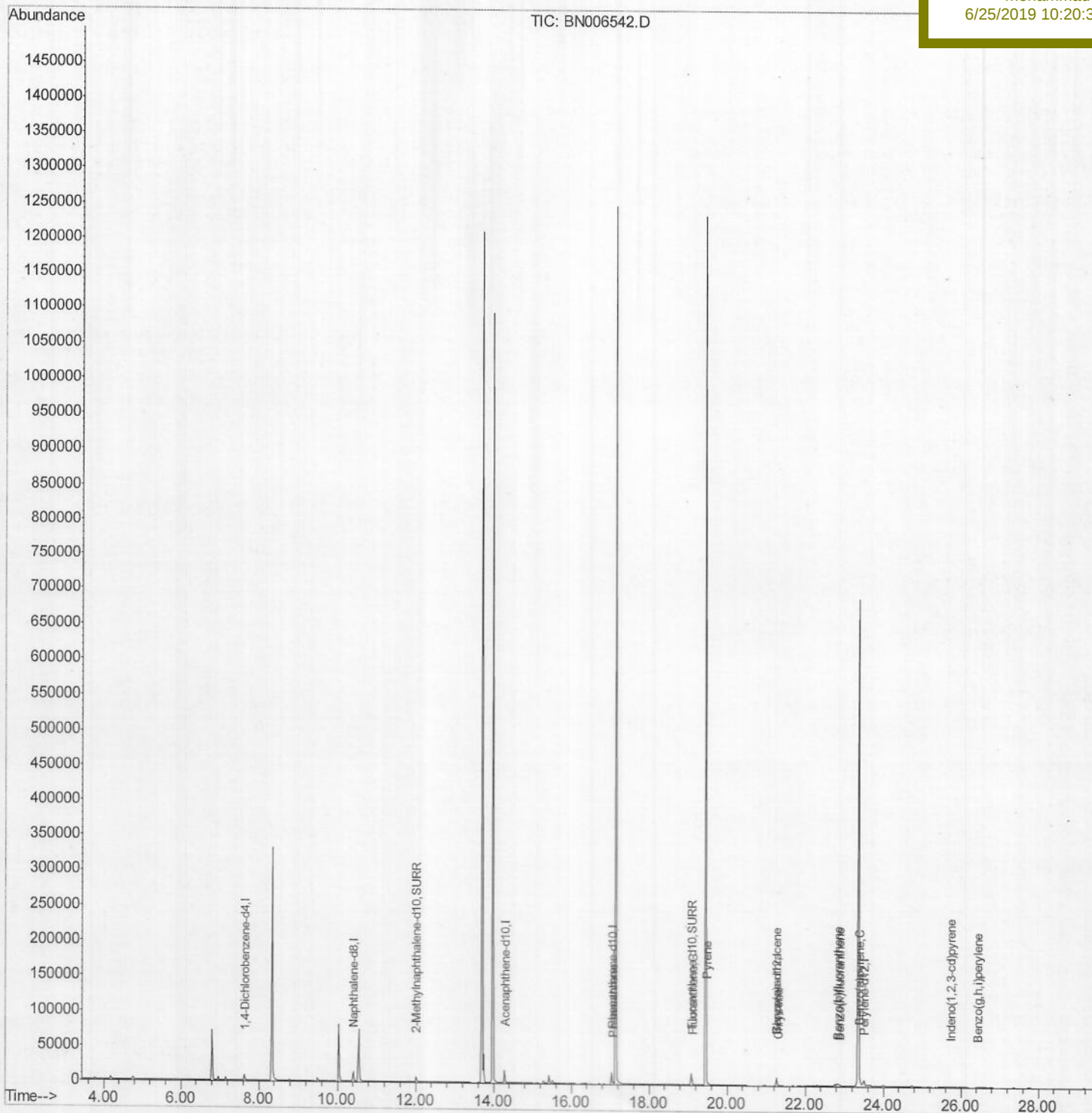
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
Data File : BN006542.D
Acq On : 24 Jun 2019 21:39
Operator : HP/JU
Sample : K3362-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:36:46 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 :
A41Z9

Manual Integrations
APPROVED

mohammad
6/25/2019 10:20:31 PM



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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:31:54 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

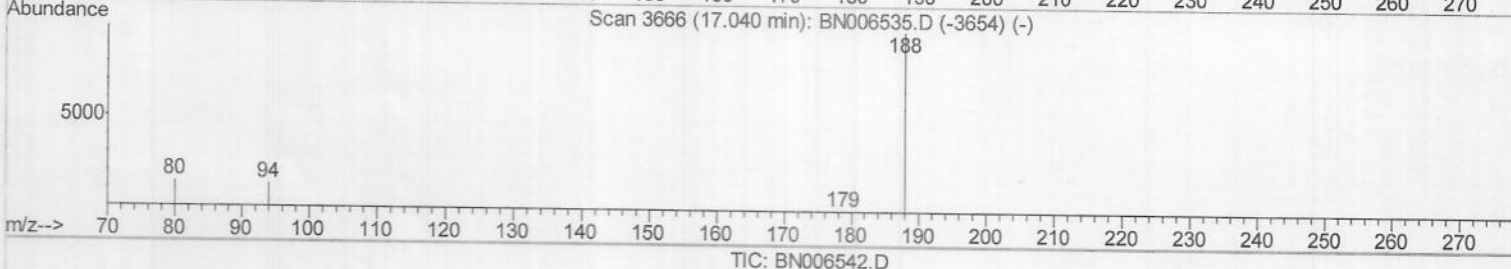
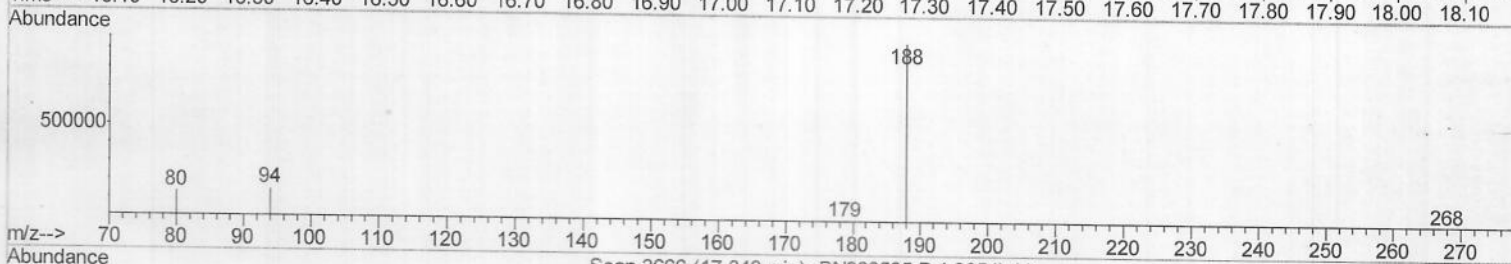
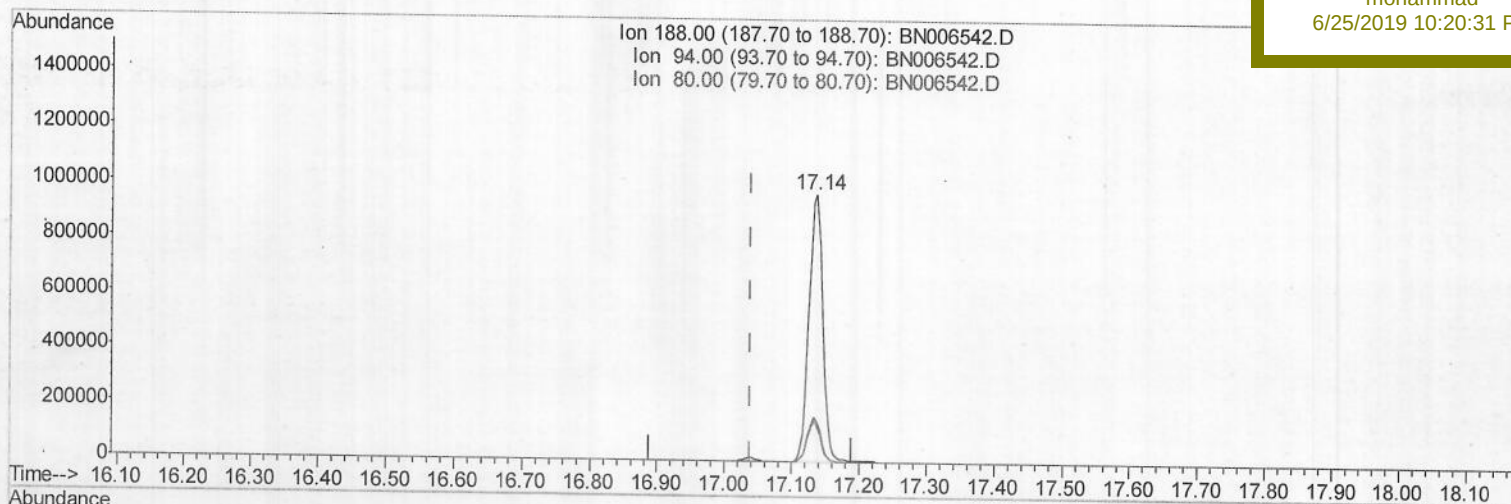
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(10) Phenanthrene-d10 (I)

17.137min (+0.097) 0.40ng/ul

response 1367176

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.08
80.00	13.60	13.57
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:31:54 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

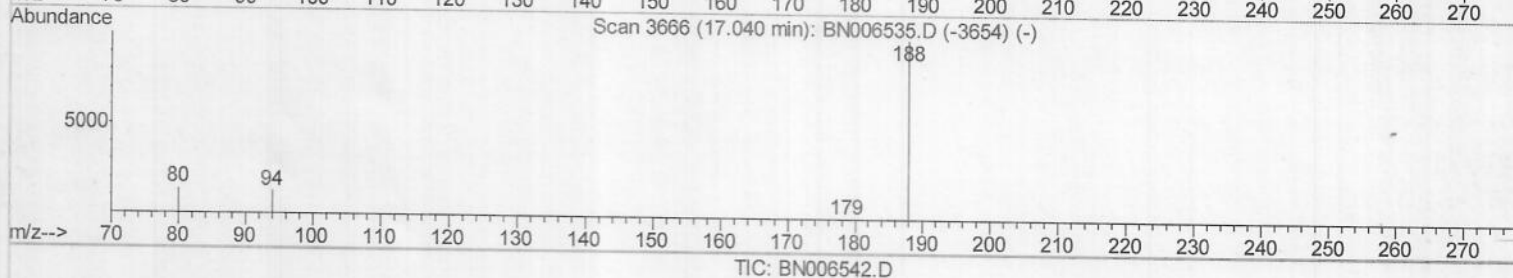
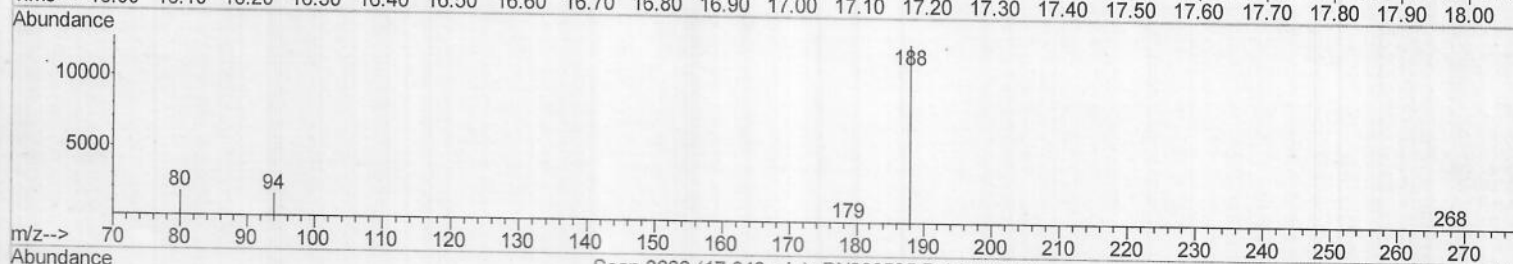
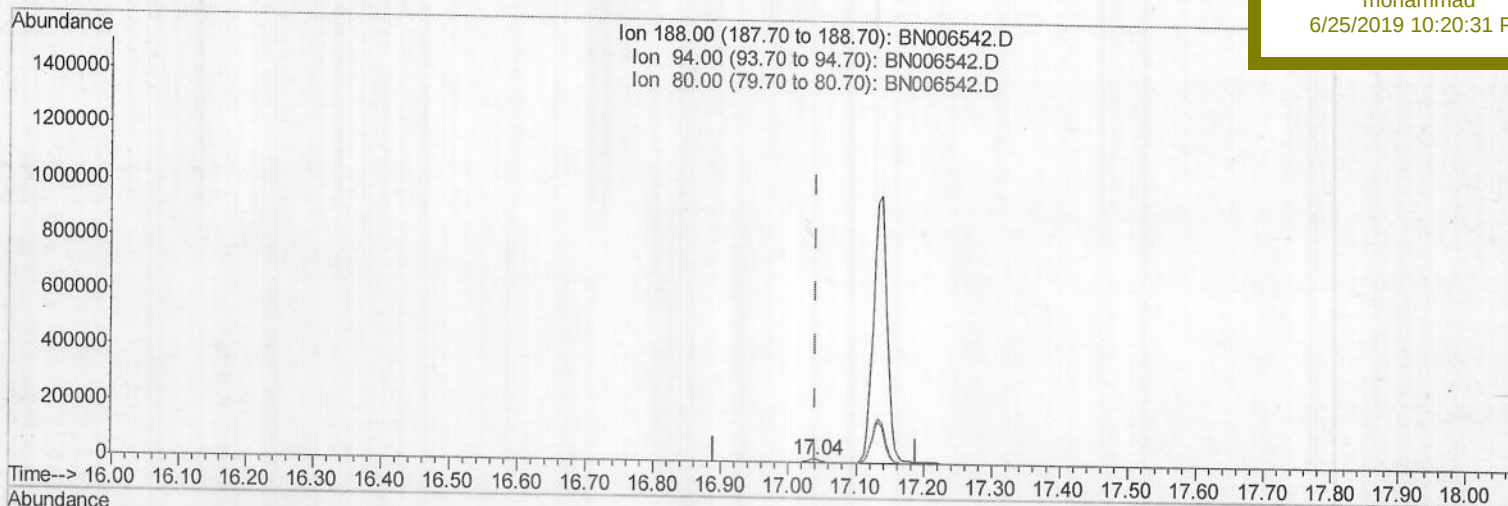
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(10) Phenanthrene-d10 (I)

17.040min (-0.000) 0.40ng/ul m

JU 06/26/19

response 18115

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	12.43
80.00	13.60	13.71
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

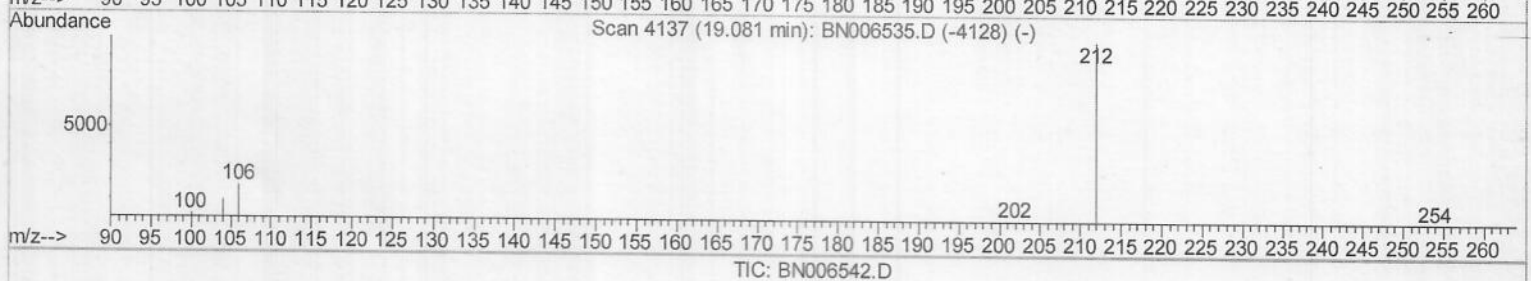
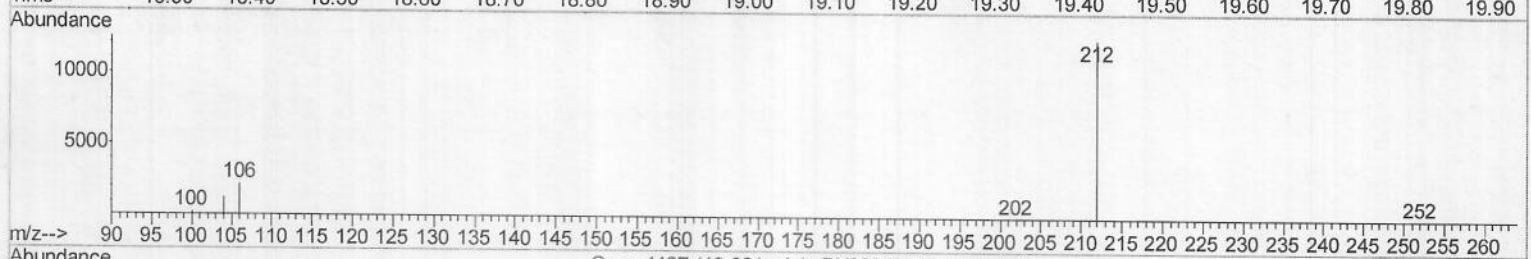
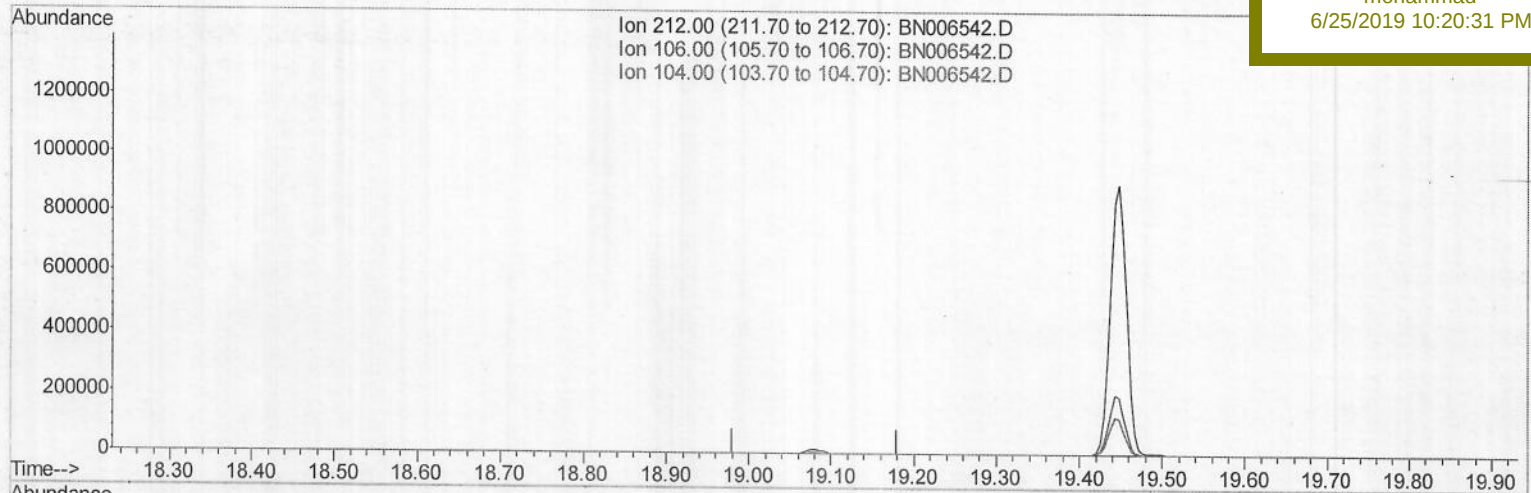
ClientSampleId :

A41Z9

Manual Integrations
APPROVED

mohammad

6/25/2019 10:20:31 PM



(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 : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

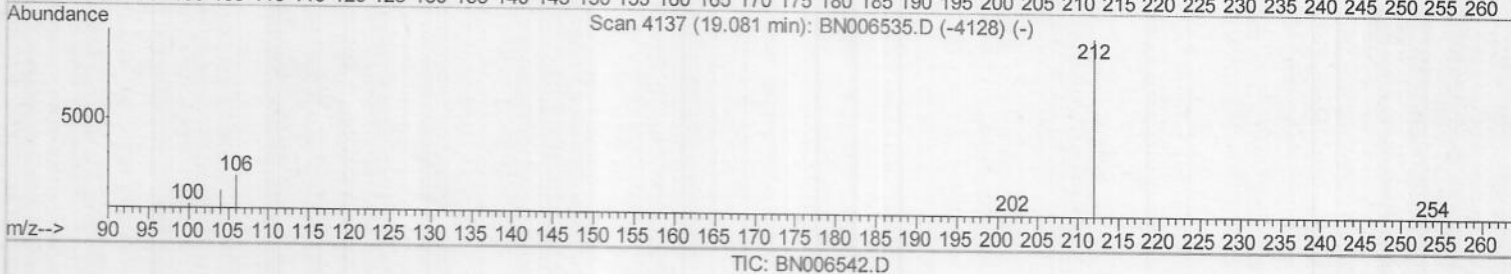
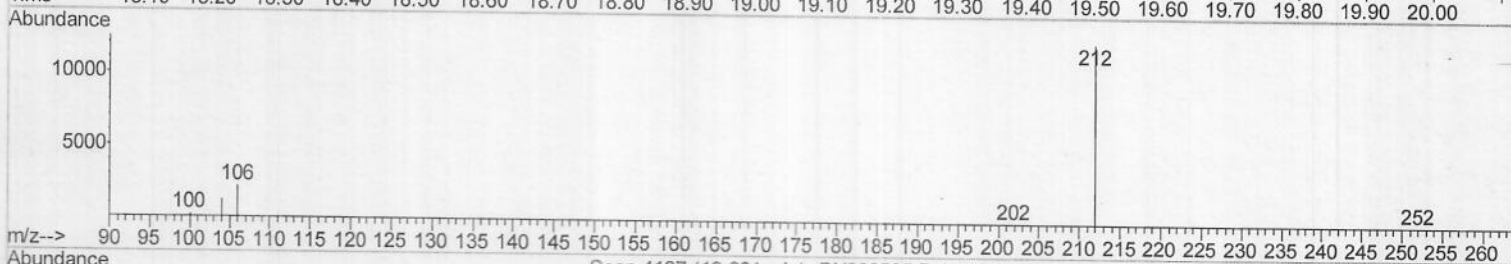
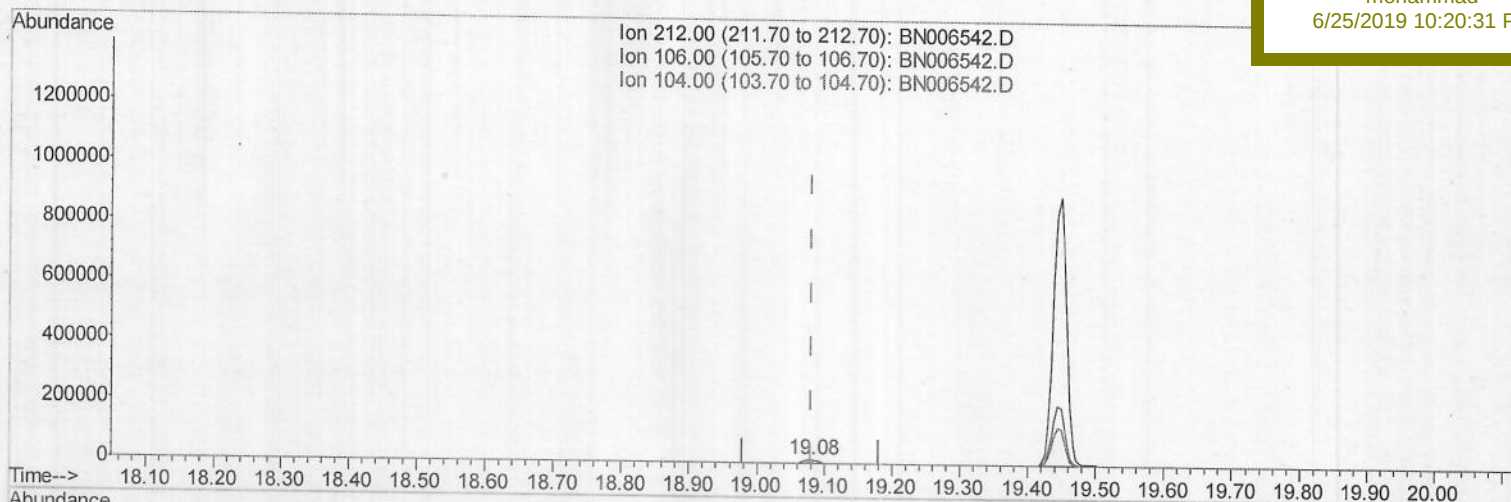
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(14) Fluoranthene-d10 (SURR)

19.081min (-0.000) 0.37ng/ul m

response 17806

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

JU 06/26/19

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

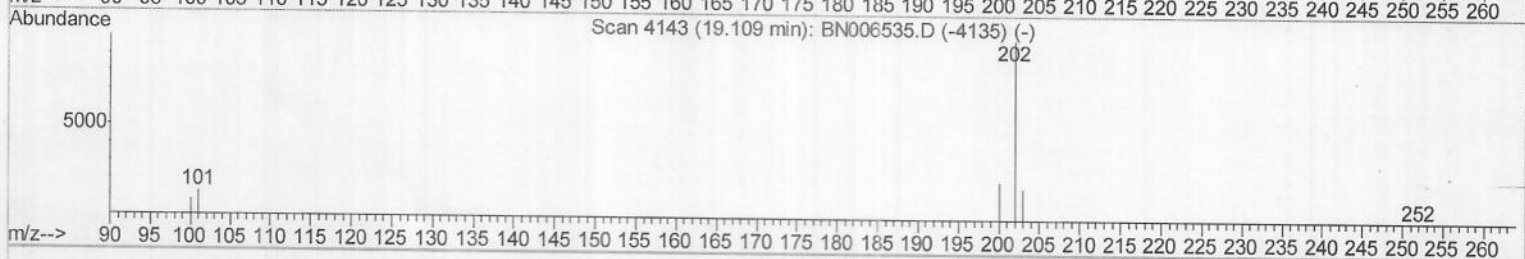
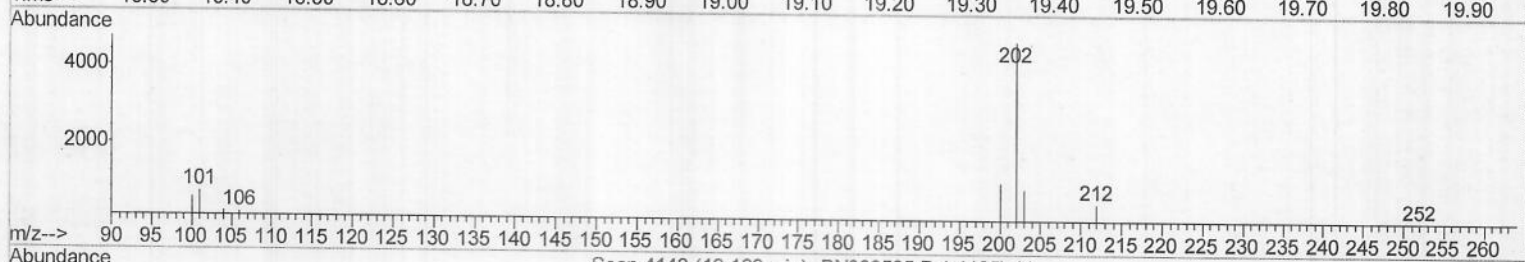
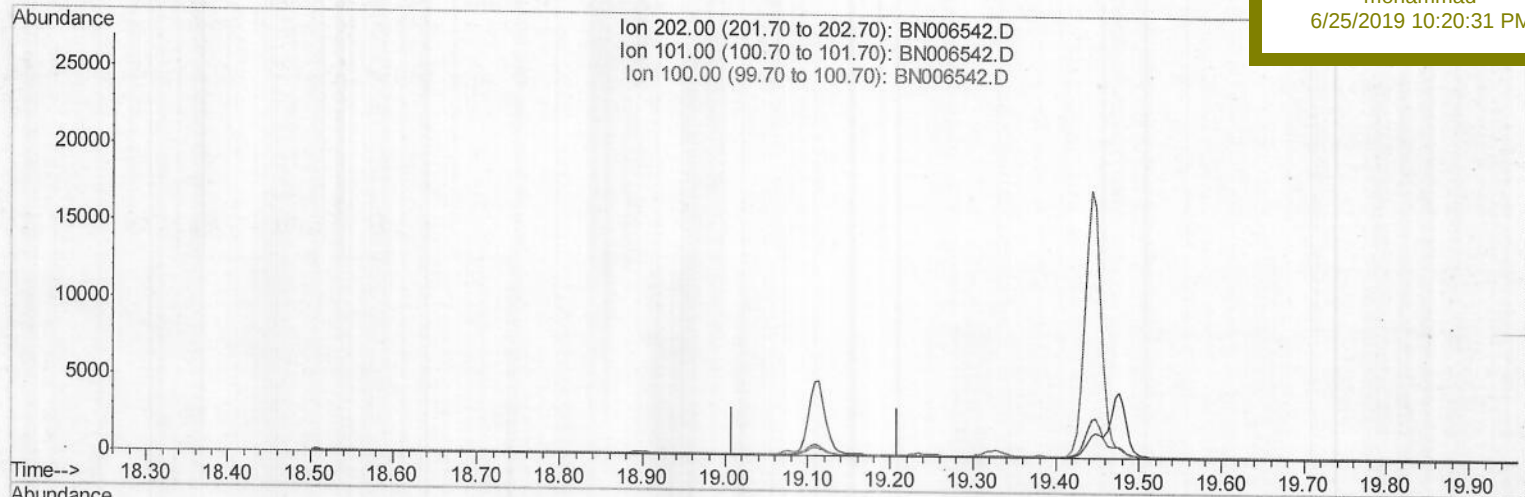
ClientSampled :

A41Z9

Manual Integrations
APPROVED

mohammad

6/25/2019 10:20:31 PM



(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

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

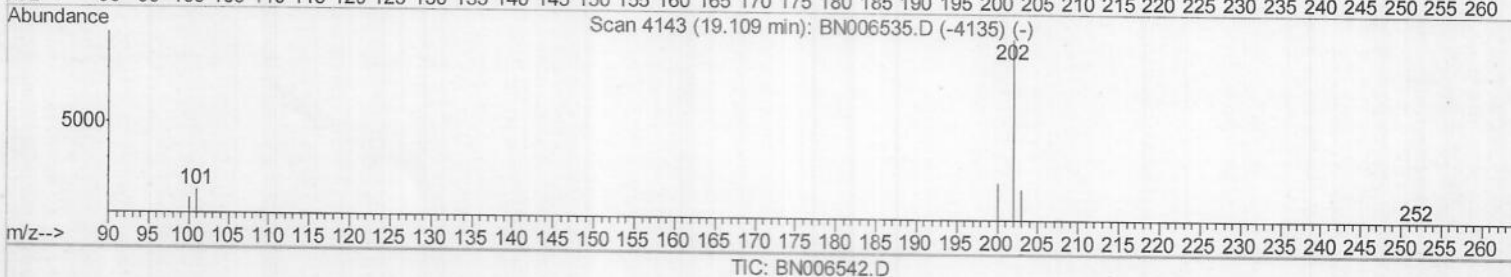
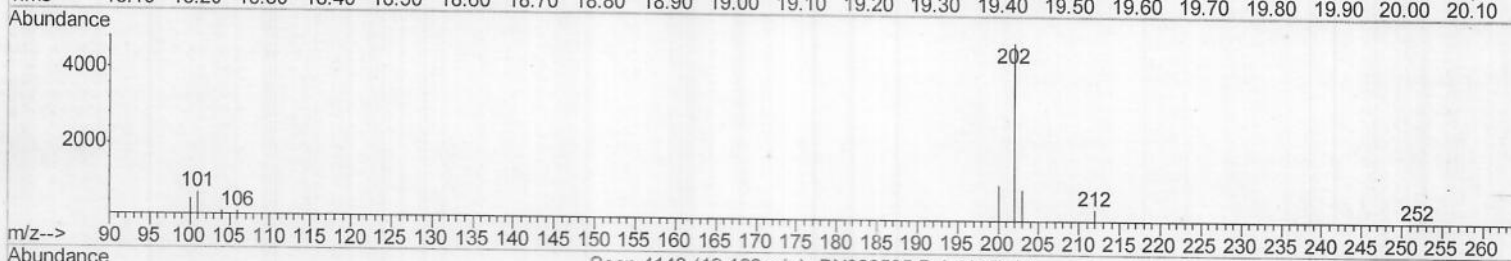
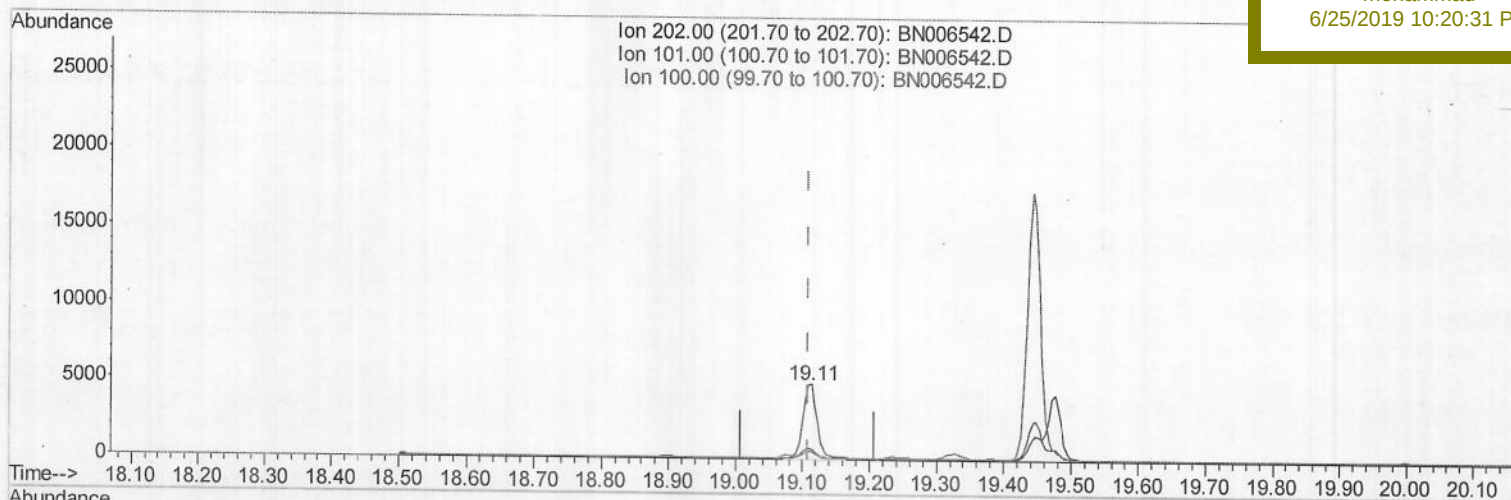
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(15) Fluoranthene (C)

19.113min (+0.005) 0.11ng/ul m

JU 06/26/19

response 7245

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.43
100.00	8.70	9.82
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

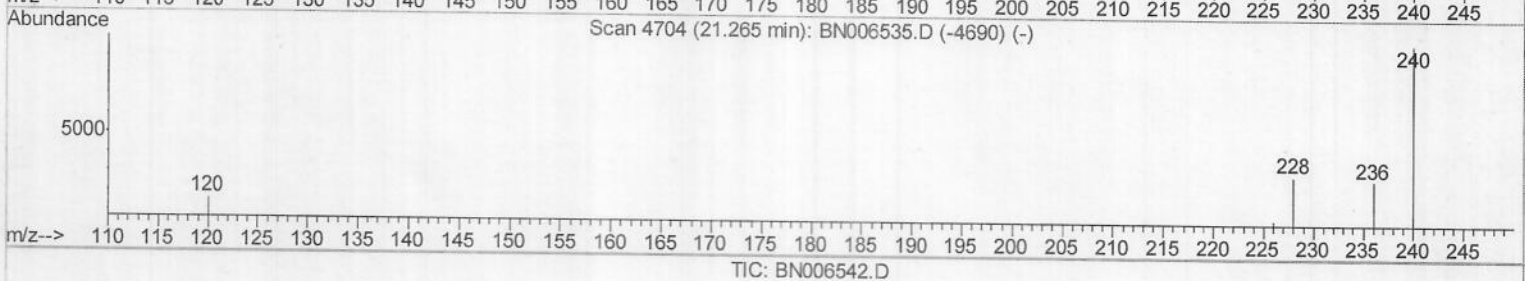
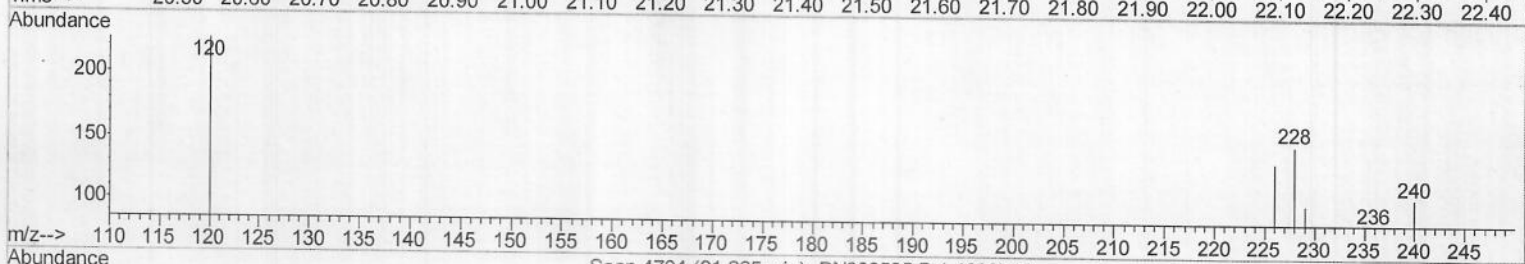
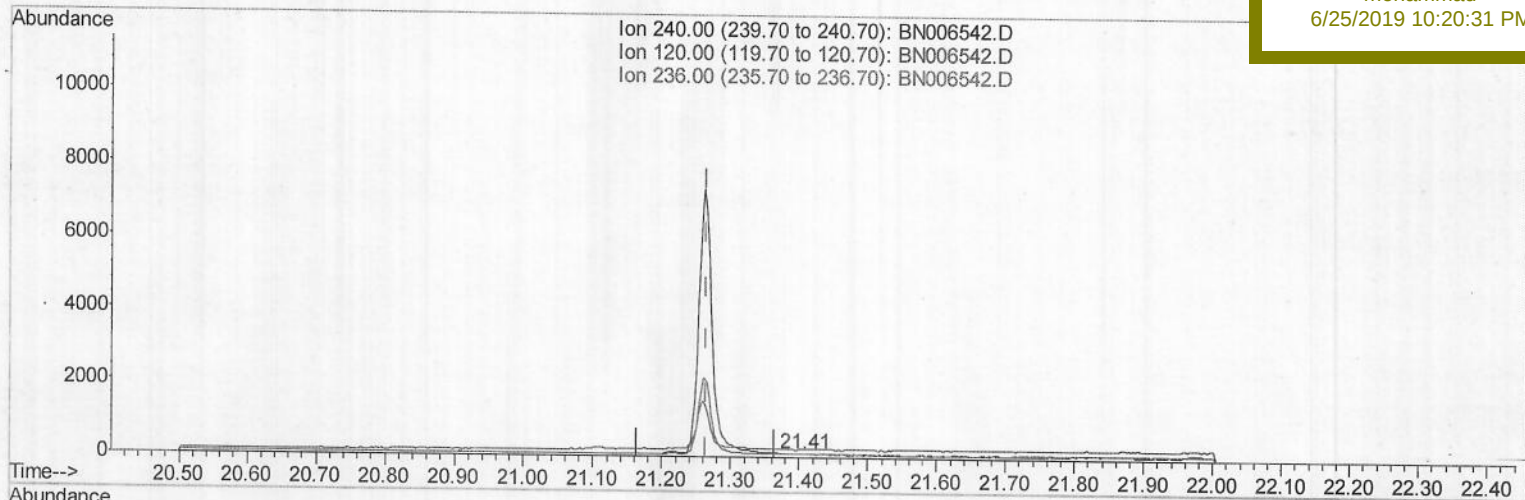
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(16) Chrysene-d12 (I)

21.405min (+0.140) 0.40ng/ul

response 30

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	213.21#
236.00	30.10	80.19#
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:33:28 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

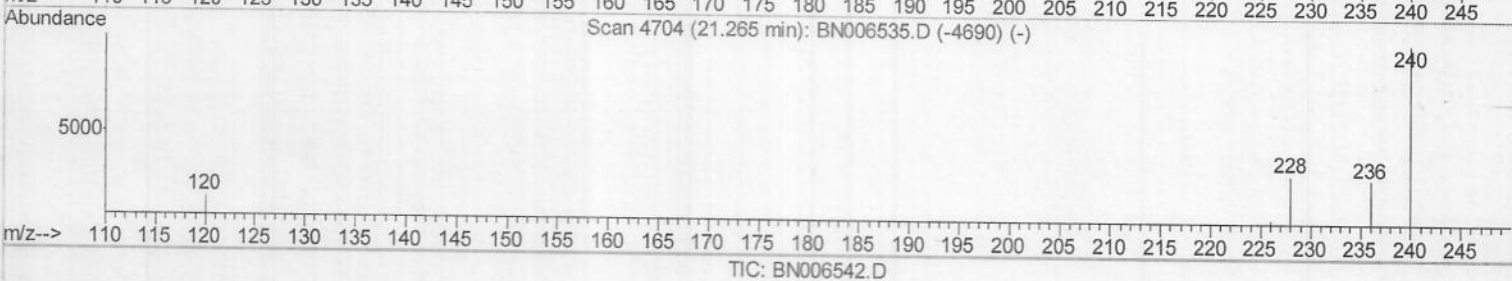
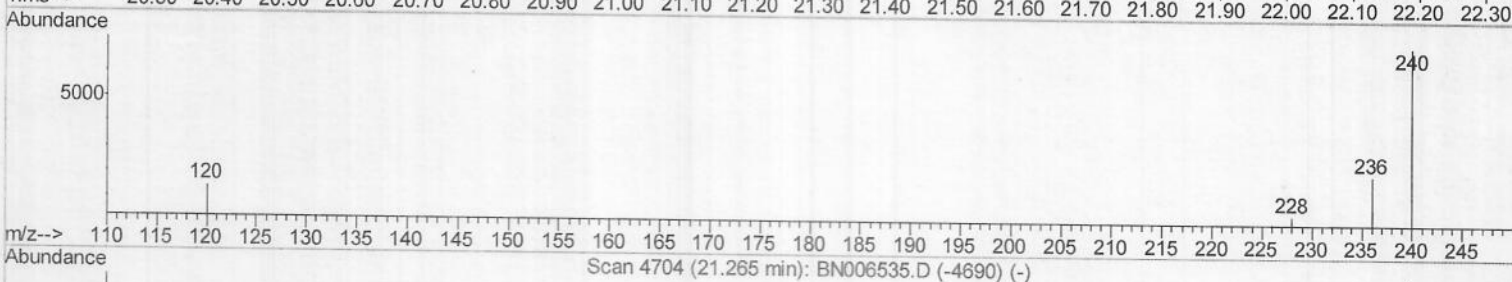
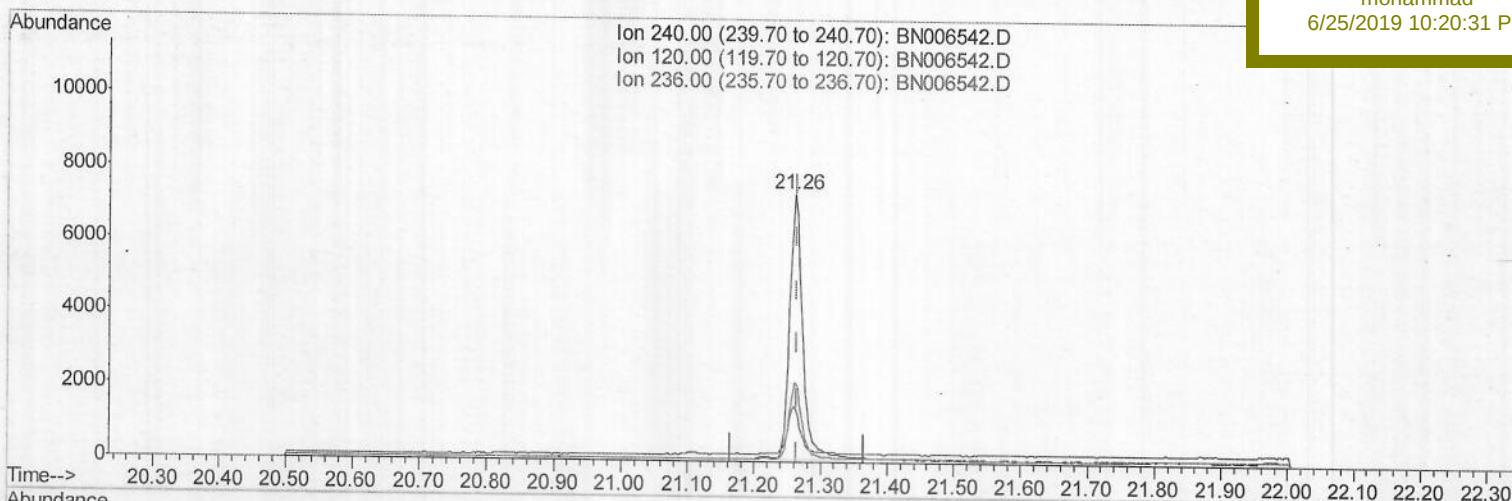
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(16) Chrysene-d12 (I)

21.262min (-0.003) 0.40ng/ul m

JU 06/26/19

response 9667

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.59
236.00	30.10	29.32
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:34:29 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

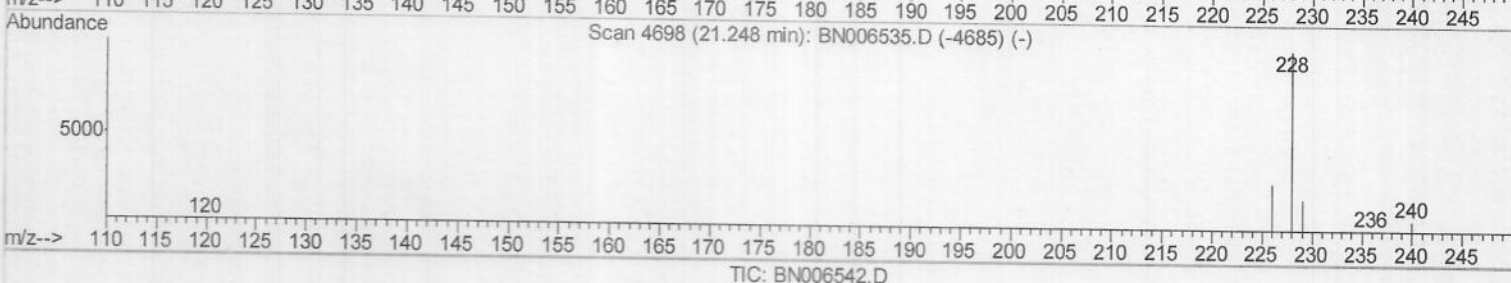
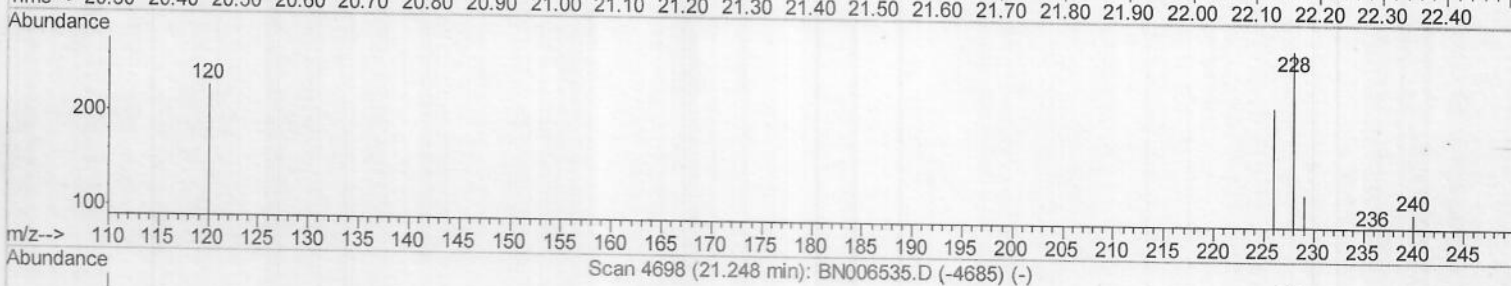
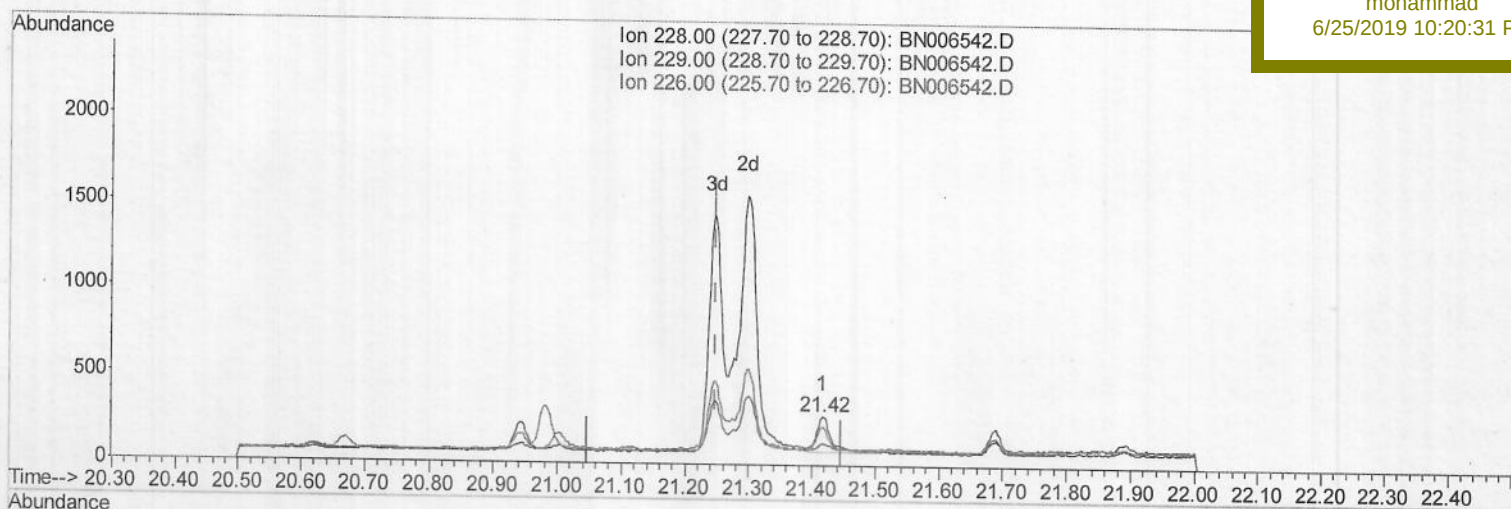
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(18) Benzo(a)anthracene

21.417min (+0.169) 0.01ng/ul

response 316

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	44.93#
226.00	28.50	78.26#
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:34:29 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

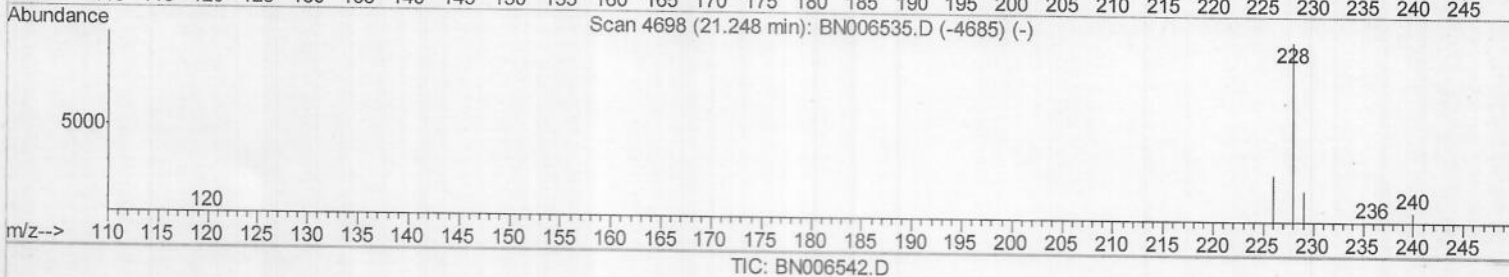
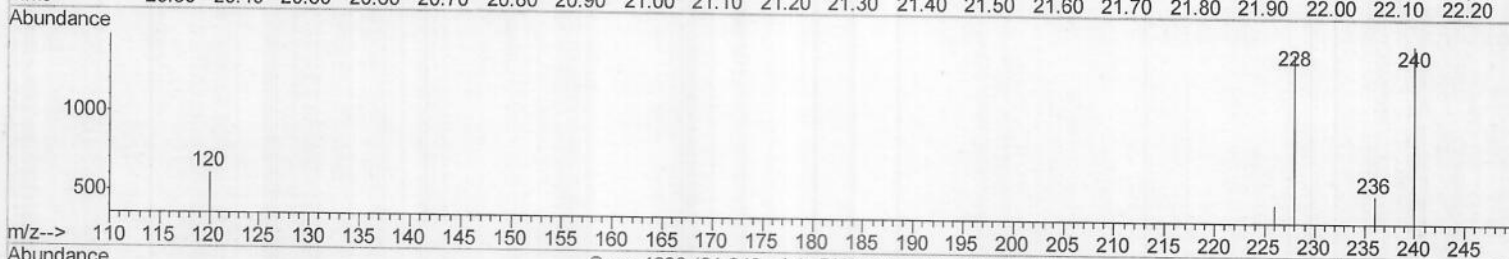
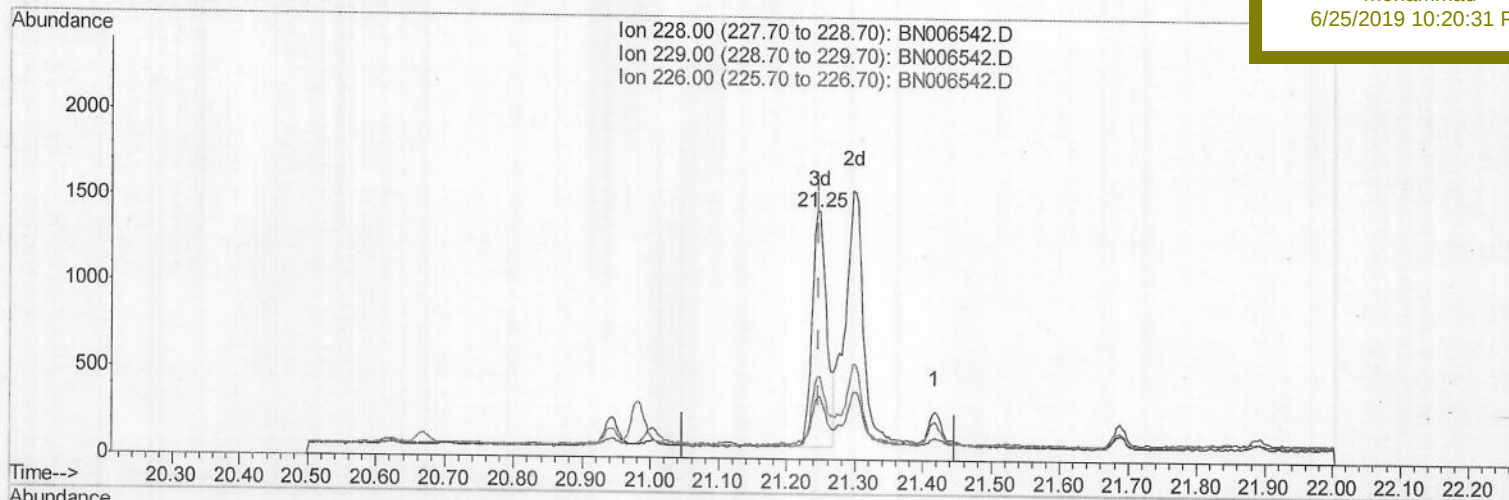
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(18) Benzo(a)anthracene

21.248min (-0.000) 0.05ng/ul m

JU 06/26/19

response 1995

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	24.95#
226.00	28.50	32.87
0.00	0.00	0.00

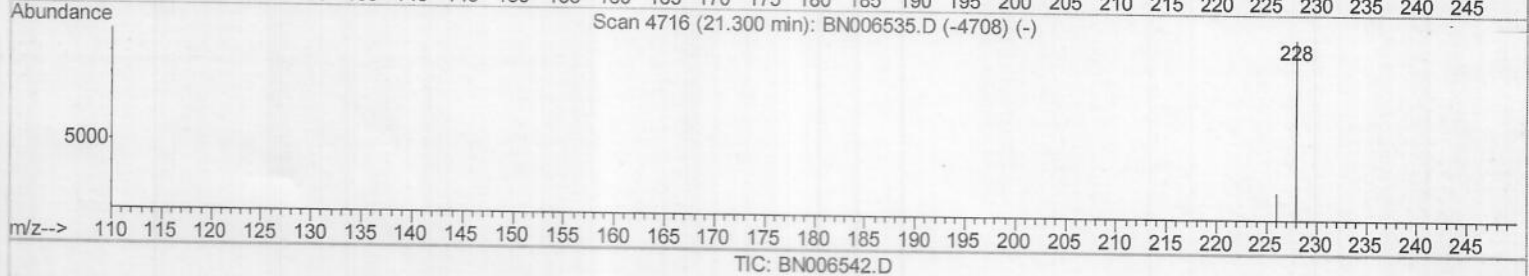
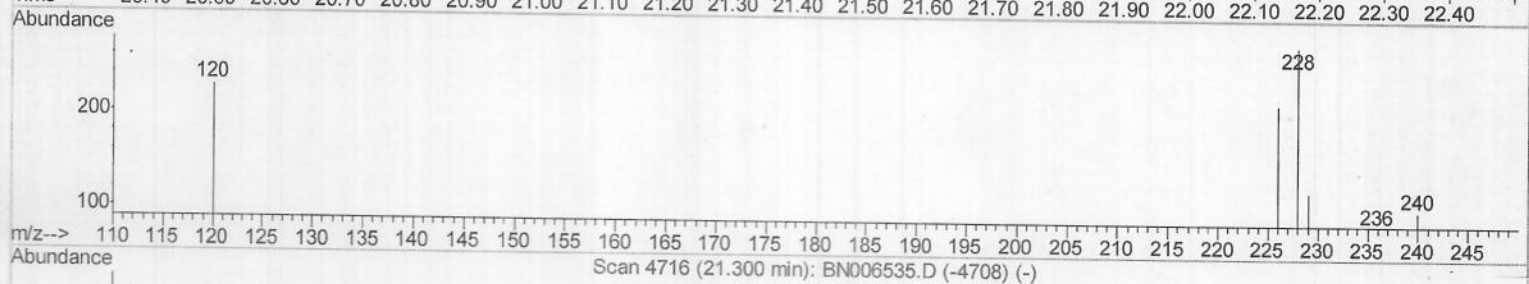
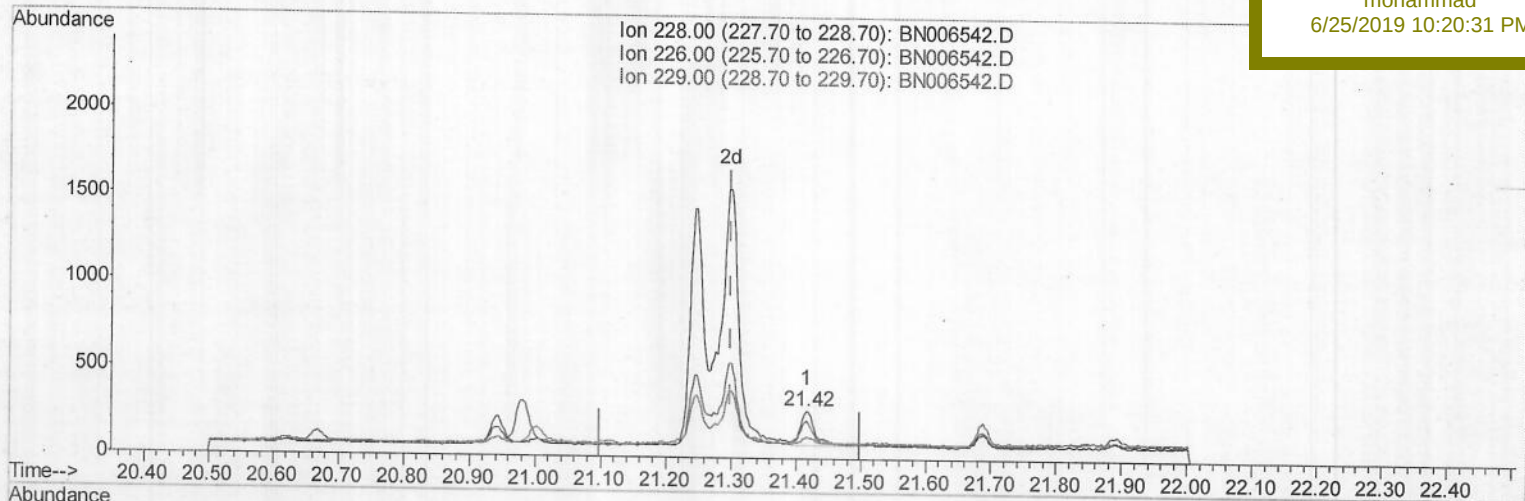
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
Data File : BN006542.D
Acq On : 24 Jun 2019 21:39
Operator : HP/JU
Sample : K3362-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:34:29 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 :
A41Z9

Manual Integrations
APPROVED

mohammad
6/25/2019 10:20:31 PM



(19) Chrysene

21.417min (+0.117) 0.01ng/ul

response 305

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	78.26#
229.00	20.40	44.93#
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:34:29 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

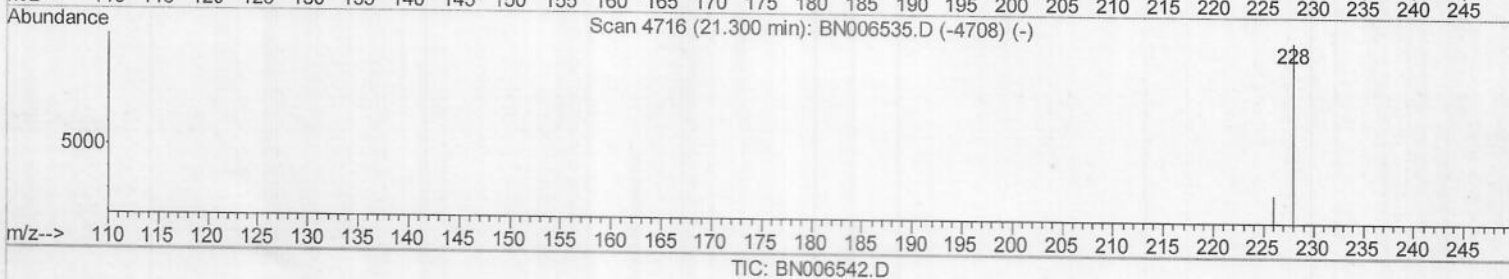
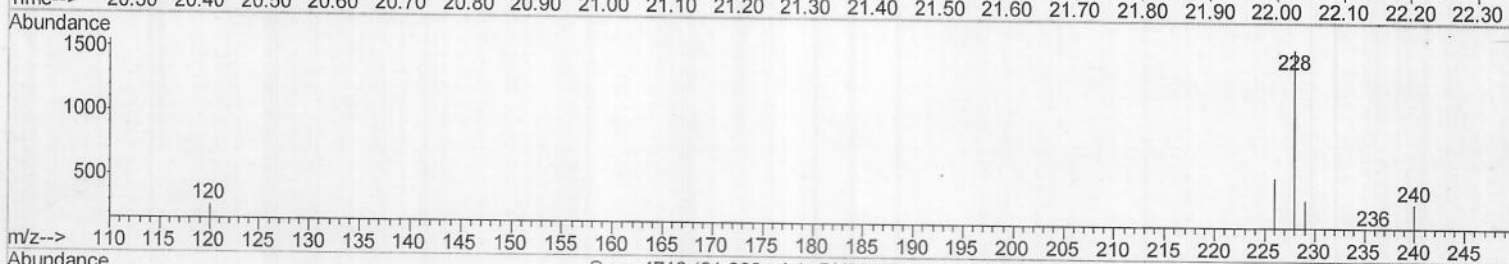
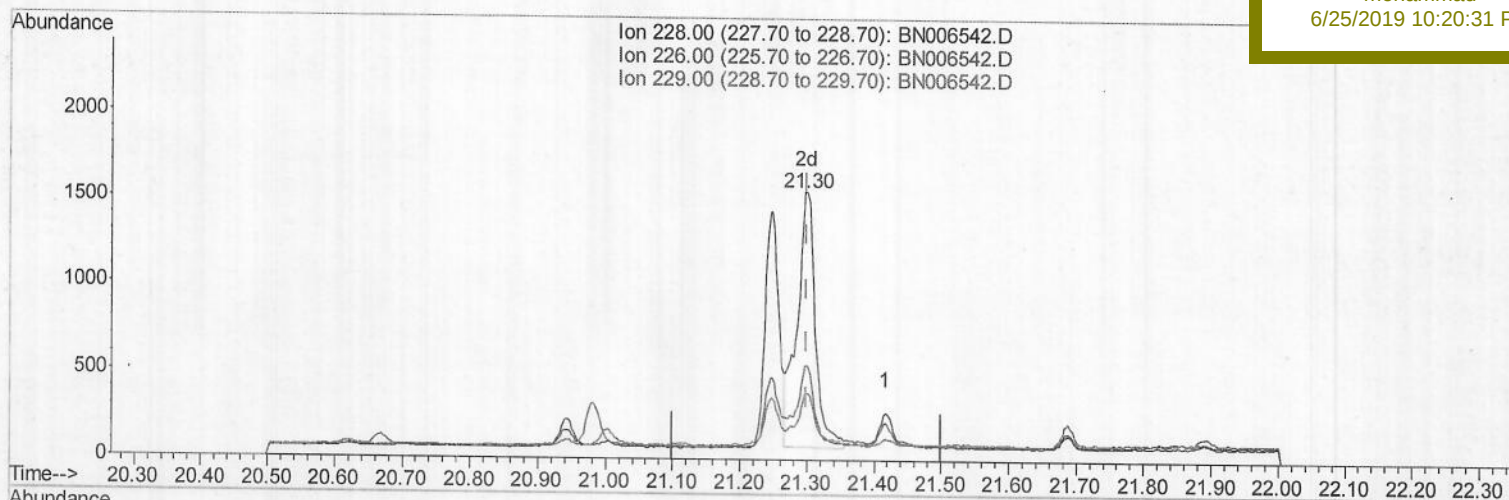
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(19) Chrysene

21.297min (-0.003) 0.07ng/ul m

> JU 06/26/19

response 2852

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	35.23
229.00	20.40	24.63#
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:34:29 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

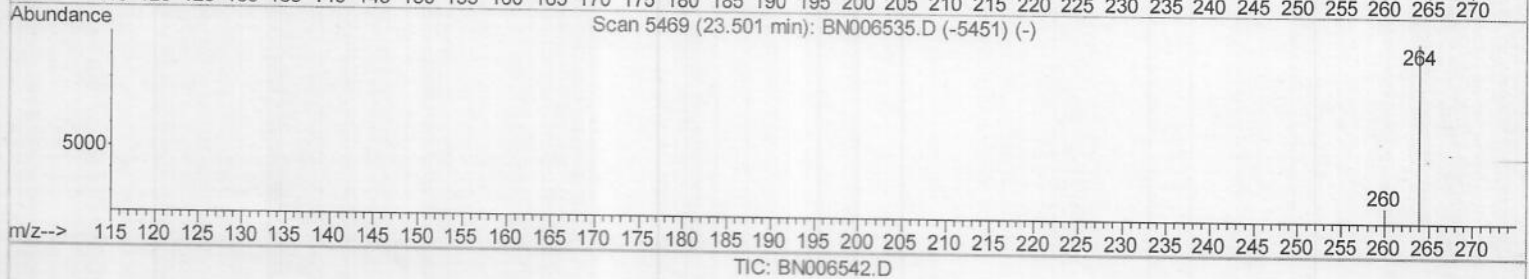
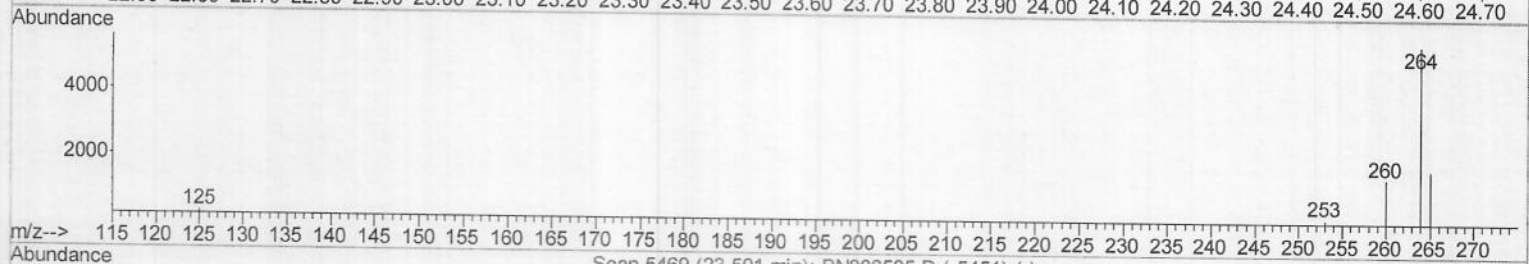
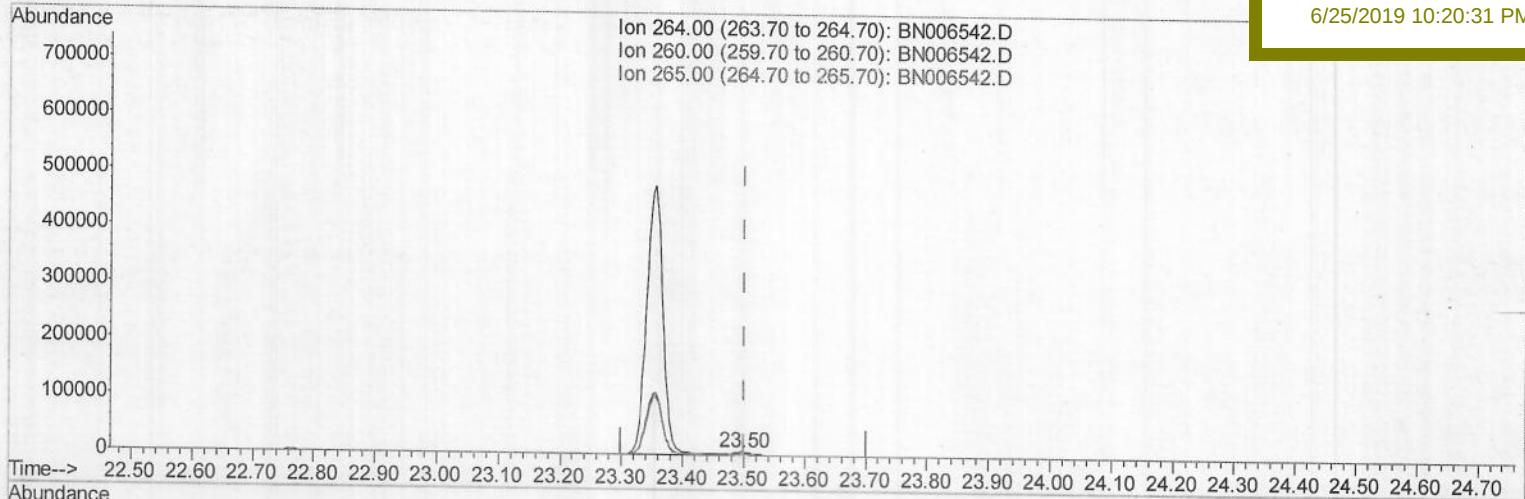
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(20) Perylene-d12 (I)

23.498min (-0.003) 0.40ng/ul

response 14096

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.79
265.00	44.70	32.98#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
Data File : BN006542.D
Acq On : 24 Jun 2019 21:39
Operator : HP/JU
Sample : K3362-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

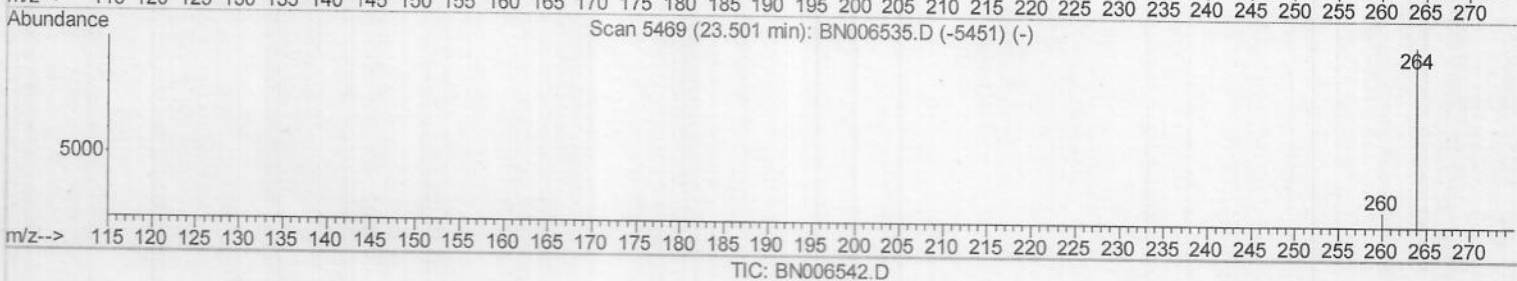
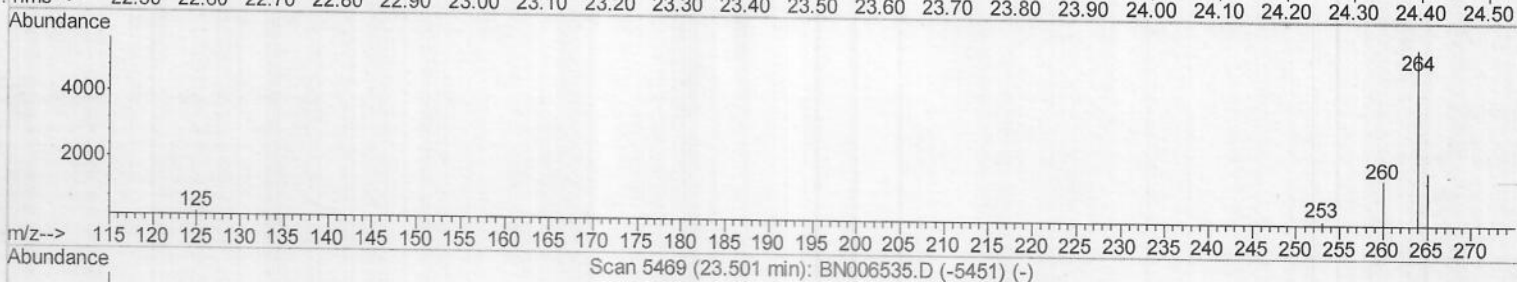
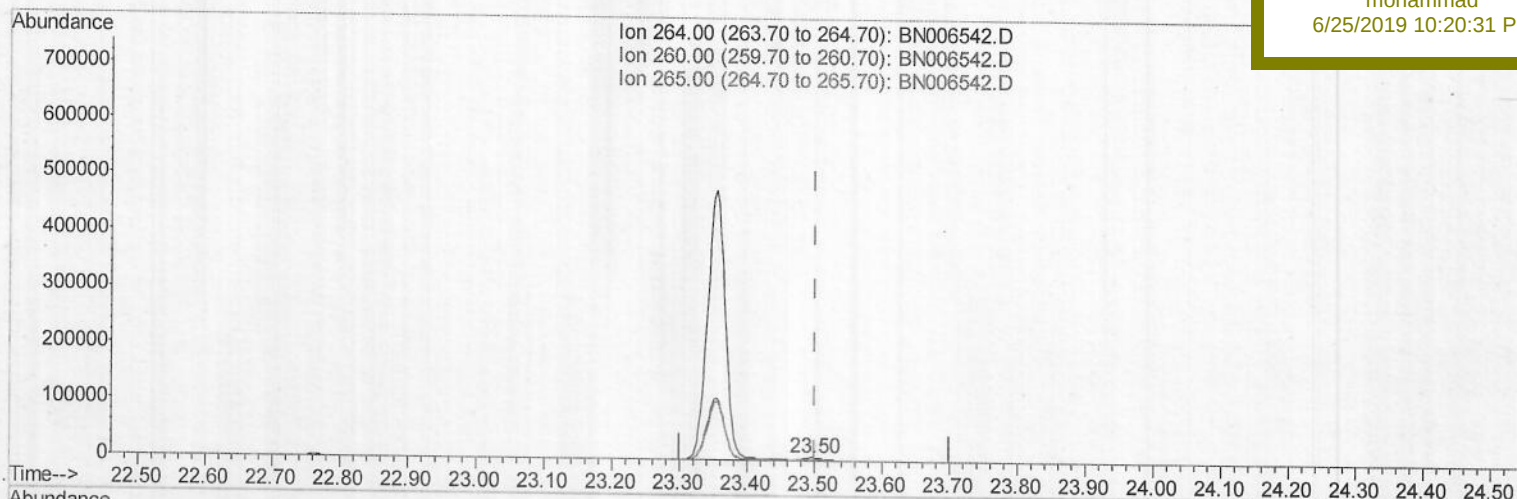
Quant Time: Jun 25 03:34:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 01:51:13 2019
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

A41Z9

Manual Integrations
APPROVEDmohammad
6/25/2019 10:20:31 PM

(20) Perylene-d12 (I)

23.498min (-0.003) 0.40ng/ul m

response 8517

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.79
265.00	44.70	32.98#
0.00	0.00	0.00

JU 06/26/19

Quantitation Report (Qedit)

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:36:04 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 :

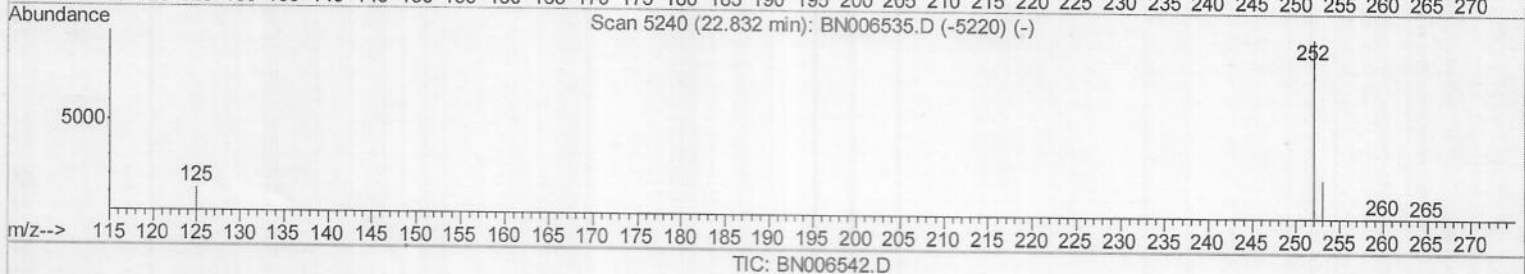
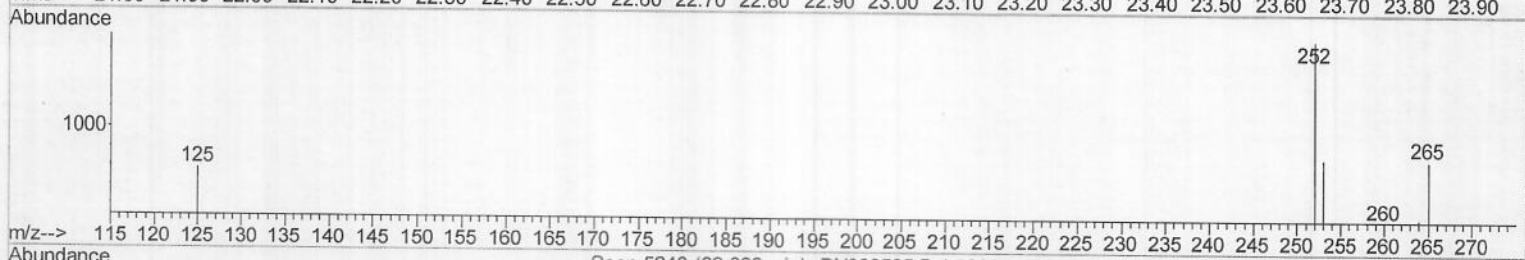
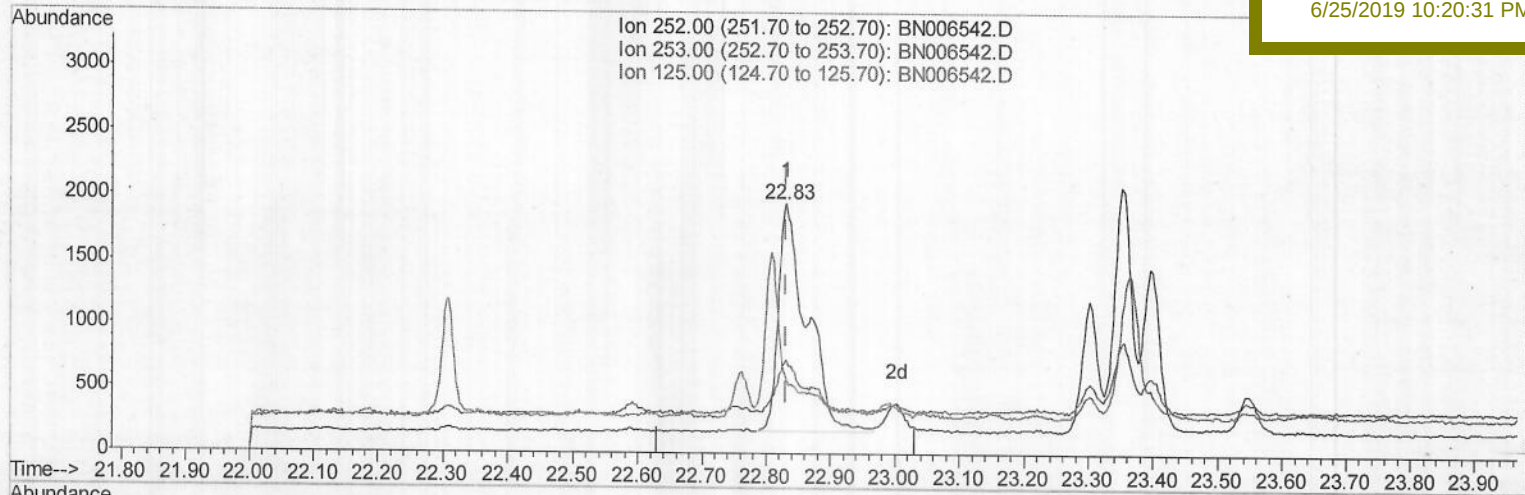
A41Z9

Manual Integrations

APPROVED

mohammad

6/25/2019 10:20:31 PM



(21) Benzo(b)fluoranthene

22.832min (-0.000) 0.15ng/ul

response 5478

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	37.22
125.00	20.50	29.52
0.00	0.00	0.00

Quantitation Report (Qedit)

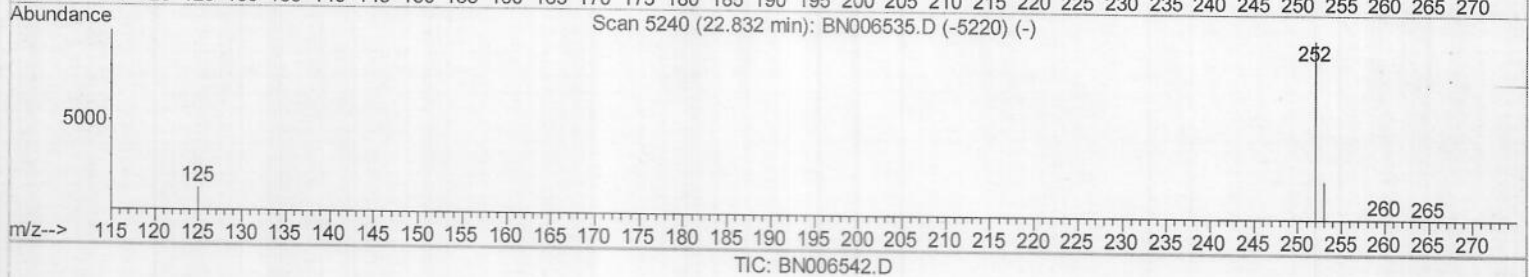
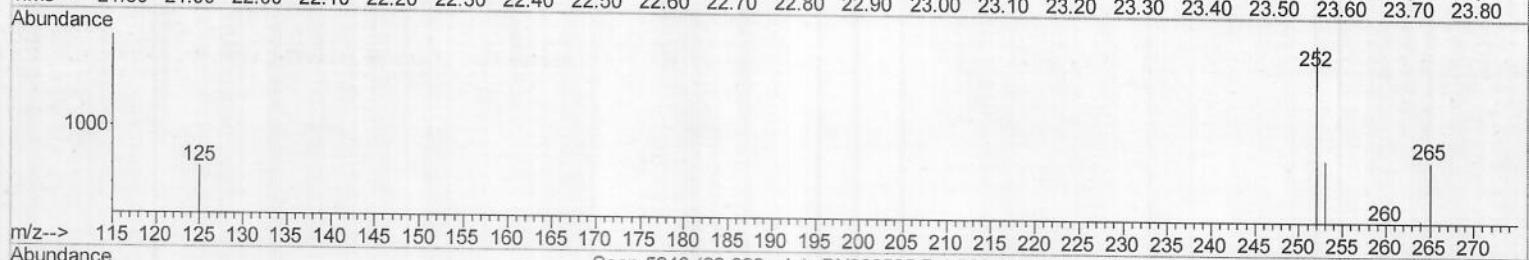
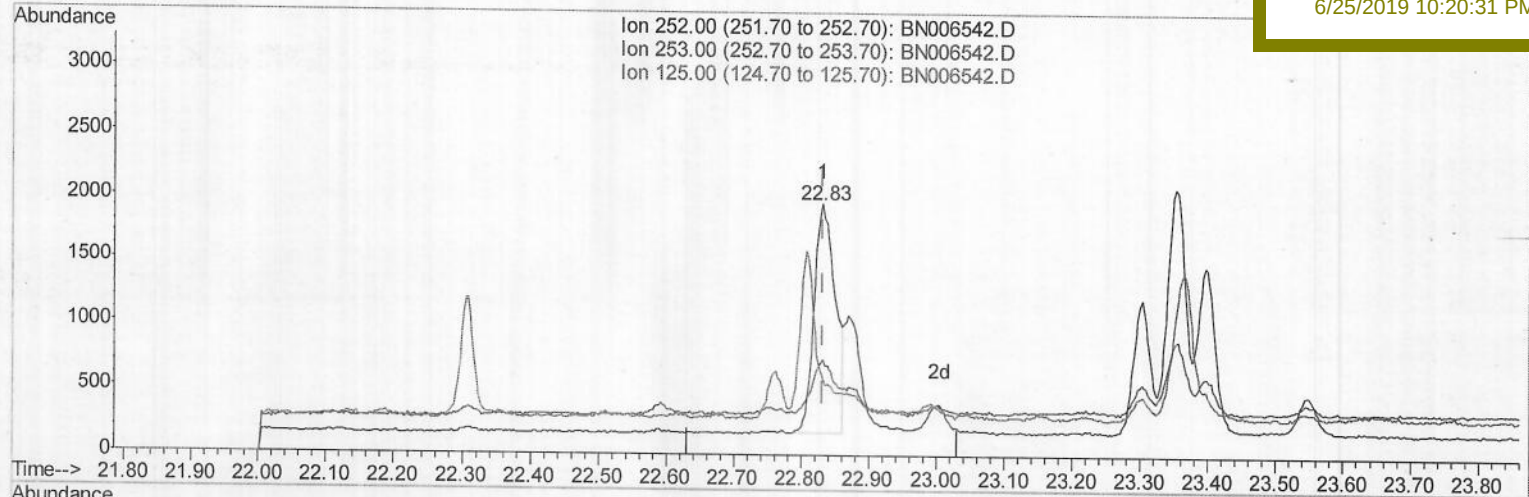
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006542.D
 Acq On : 24 Jun 2019 21:39
 Operator : HP/JU
 Sample : K3362-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
Client Sampled :
 A41Z9

Quant Time: Jun 25 03:36:04 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

mohammad
 6/25/2019 10:20:31 PM



TIC: BN006542.D

(21) Benzo(b)fluoranthene

22.832min (-0.000) 0.11ng/ul m

> JU 06/26/19

response 3845

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	37.22
125.00	20.50	29.52
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:36:04 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

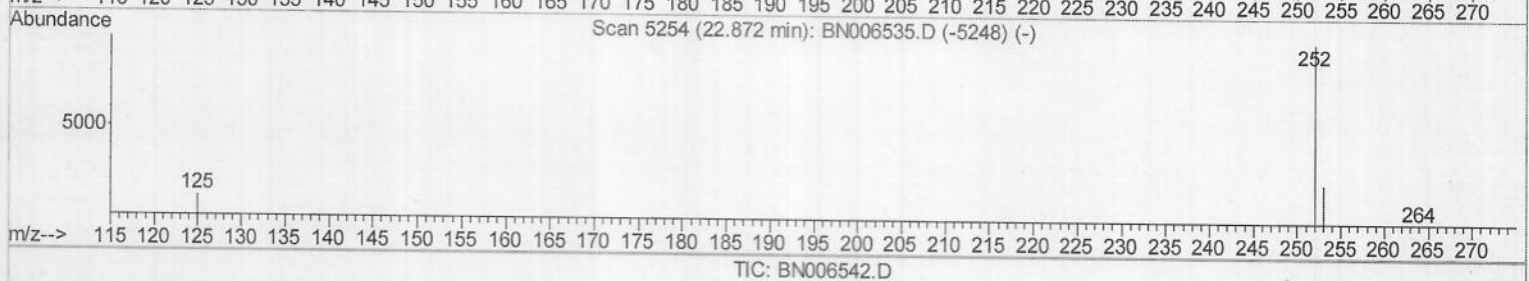
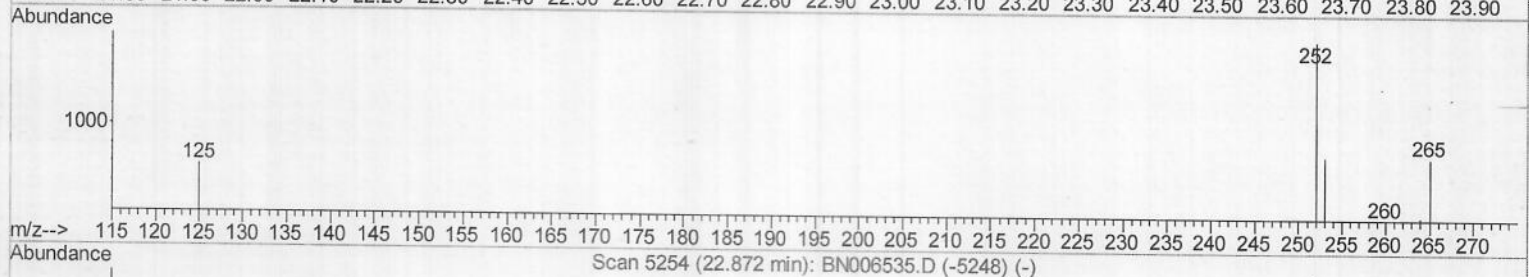
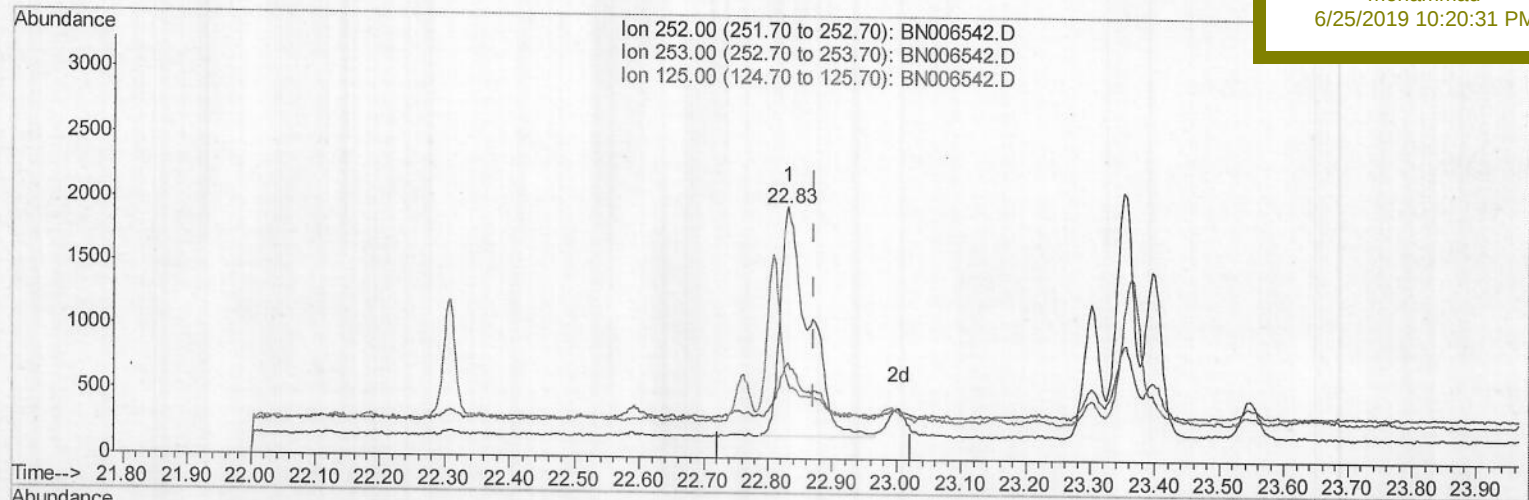
ClientSampleId :

A41Z9

Manual Integrations
APPROVED

mohammad

6/25/2019 10:20:31 PM



(22) Benzo(k)fluoranthene

22.832min (-0.041) 0.16ng/ul

response 5478

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	37.22#
125.00	17.90	29.52#
0.00	0.00	0.00

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

Data File : BN006542.D

Acq On : 24 Jun 2019 21:39

Operator : HP/JU

Sample : K3362-03

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:36:04 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 :

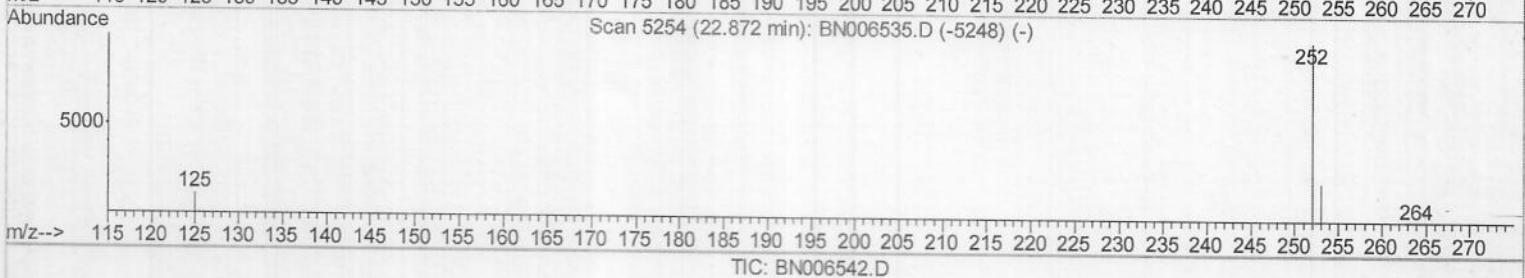
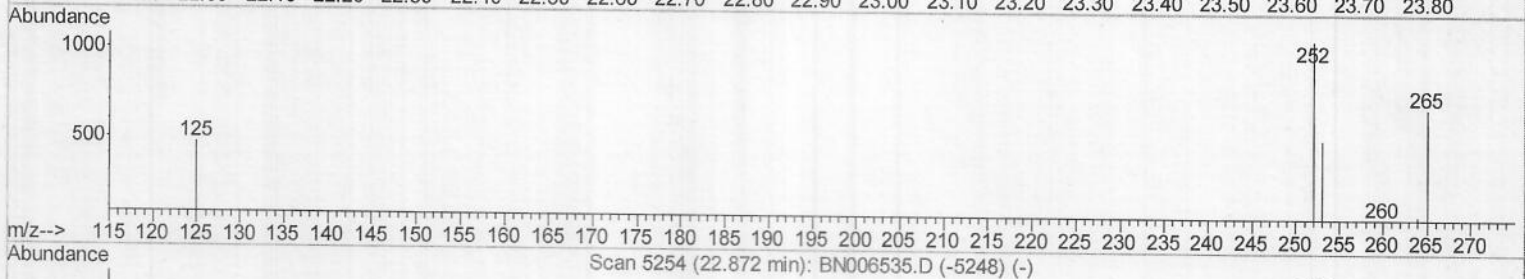
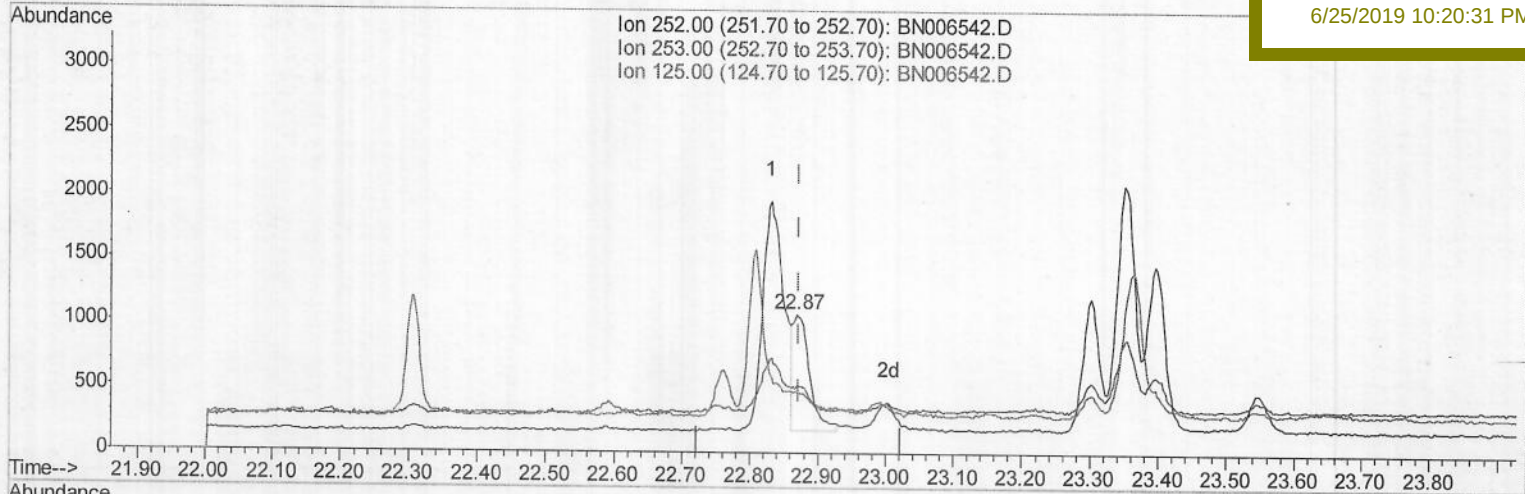
A41Z9

Manual Integrations

APPROVED

mohammad

6/25/2019 10:20:31 PM



(22) Benzo(k)fluoranthene

22.870min (-0.003) 0.04ng/ul m

response 1524

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	48.46#
125.00	17.90	43.52#
0.00	0.00	0.00

7 JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006542.D
 Acq On : 24 Jun 2019 21:39
 Operator : HP/JU
 Sample : K3362-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 03:36:46 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 :

A41Z9

Manual Integrations
APPROVED

mohammad
6/25/2019 10:20:31 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4877	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	18665	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9657	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	18115m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	9667m>	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	8517m>	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.01	152	10704	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	17806m>	0.37	ng/ul	0.00

Target Compounds

						Qvalue
12) Phenanthrene	17.08	178	3024	0.052	ng/ul	93
15) Fluoranthene	19.11	202	7245m>	0.113	ng/ul	
17) Pyrene	19.48	202	5452	0.107	ng/ul#	95
18) Benzo(a)anthracene	21.25	228	1995m>	0.047	ng/ul	
19) Chrysene	21.30	228	2852m>	0.071	ng/ul	
21) Benzo(b)fluoranthene	22.83	252	3845m>	0.108	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	1524m>	0.044	ng/ul	
23) Benzo(a)pyrene	23.40	252	2218	0.067	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.74	276	1830	0.051	ng/ul	89
26) Benzo(g,h,i)perylene	26.42	276	1573	0.052	ng/ul#	80

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

JU
06/26/19