

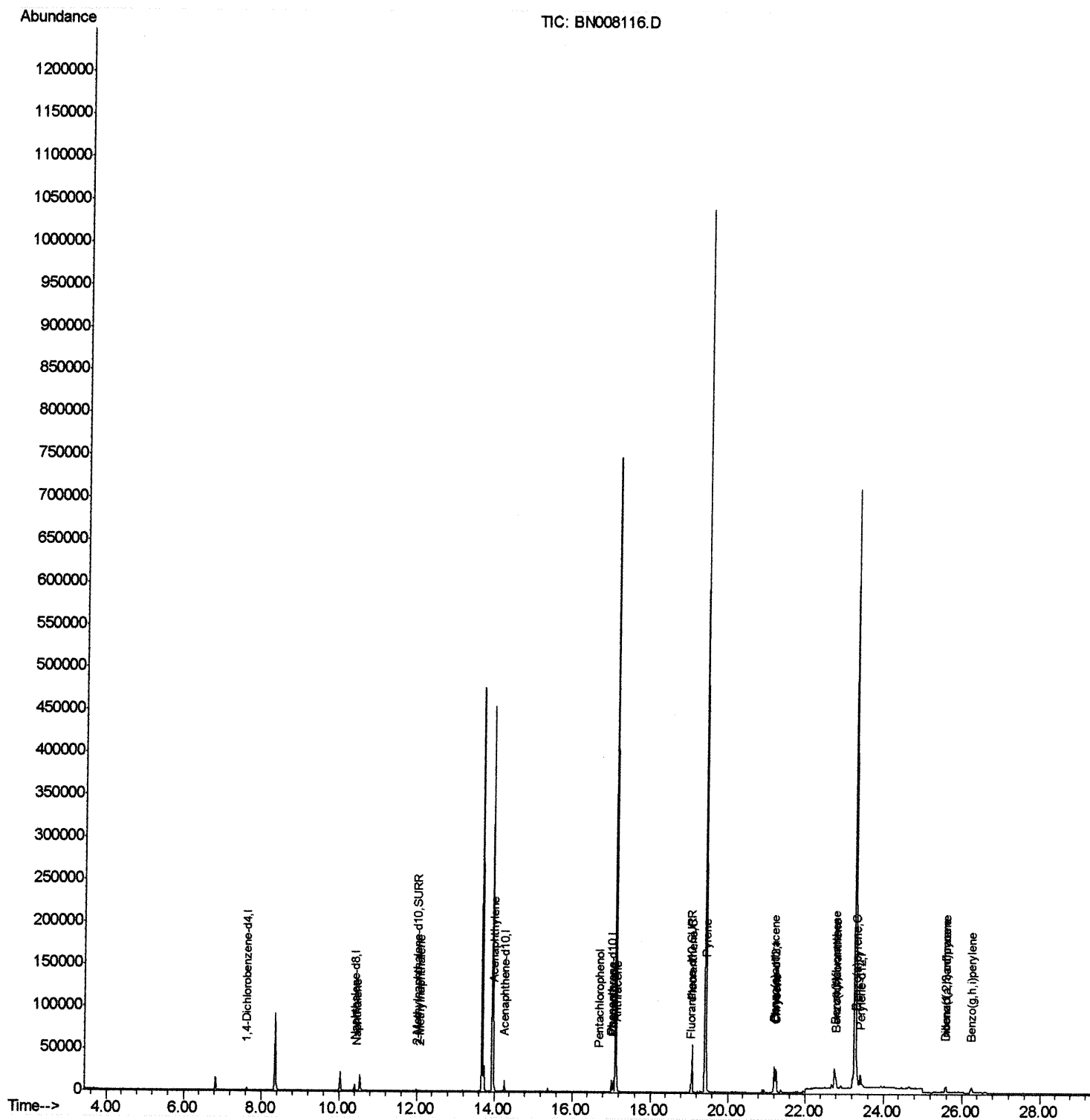
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:56:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



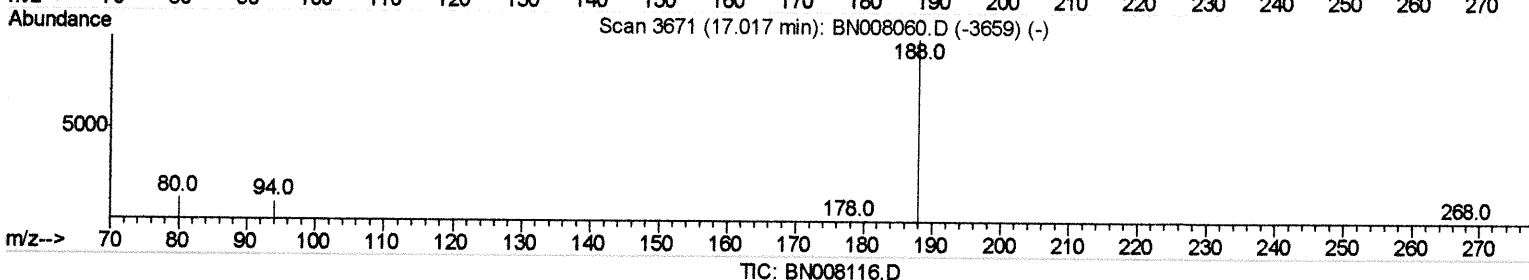
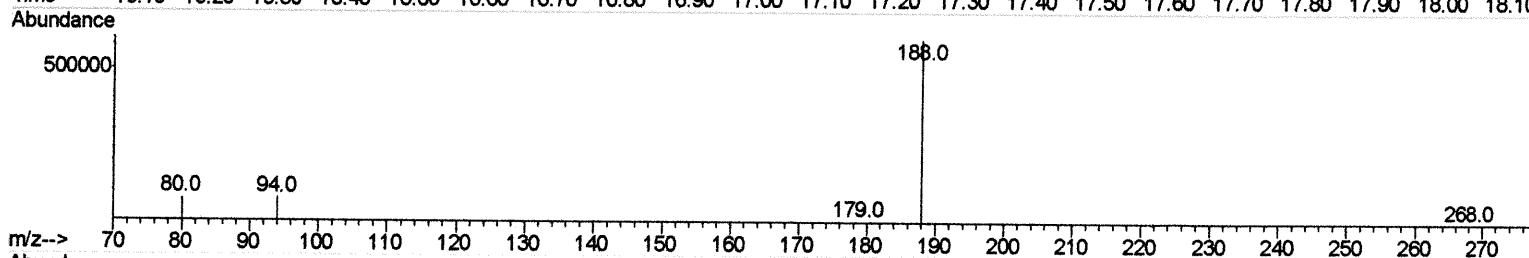
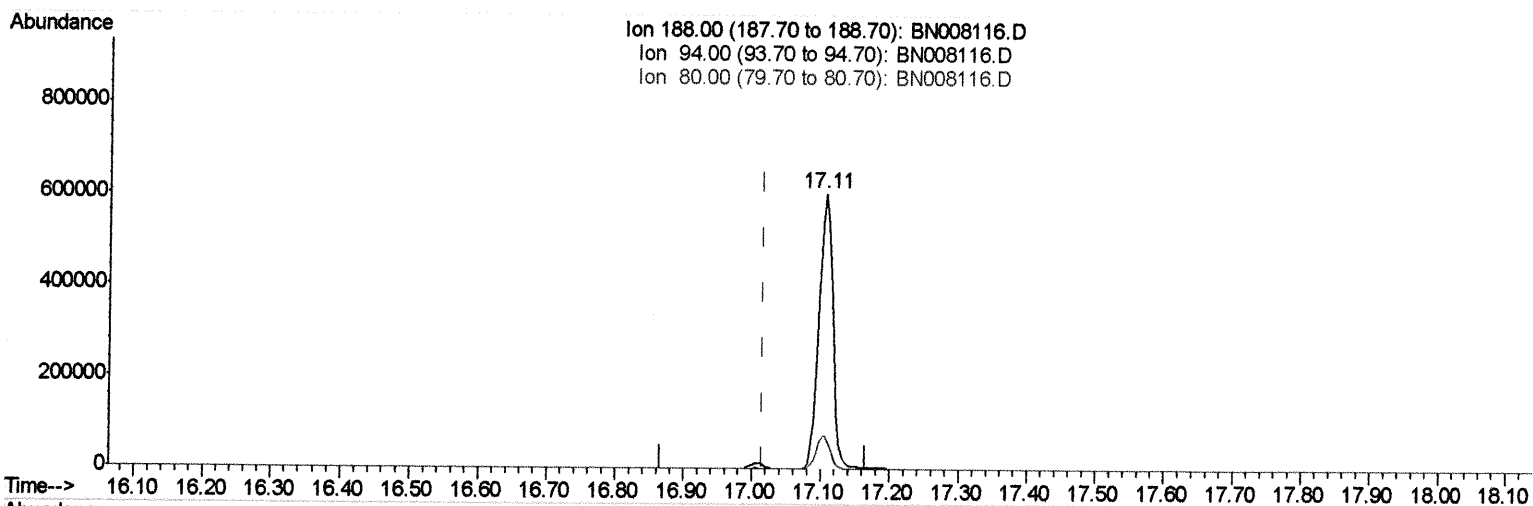
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 12 21:41:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



TIC: BN008116.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 836287

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.28
80.00	12.60	11.90
0.00	0.00	0.00

Quantitation Report (Qedit)

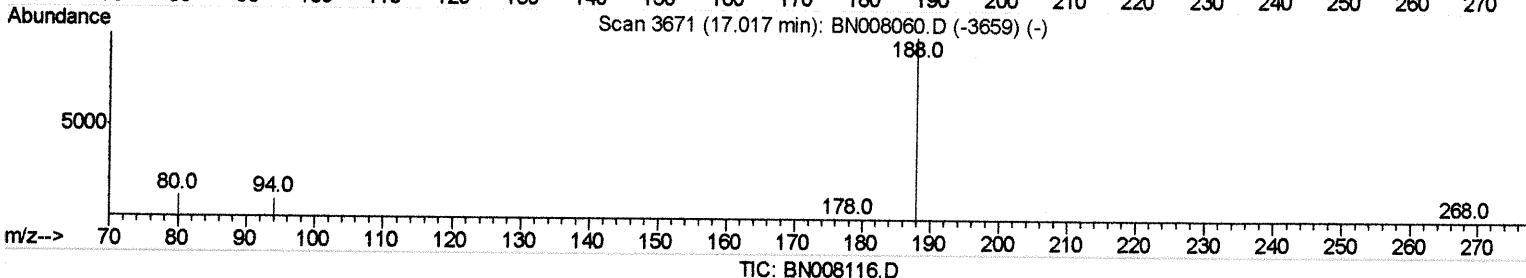
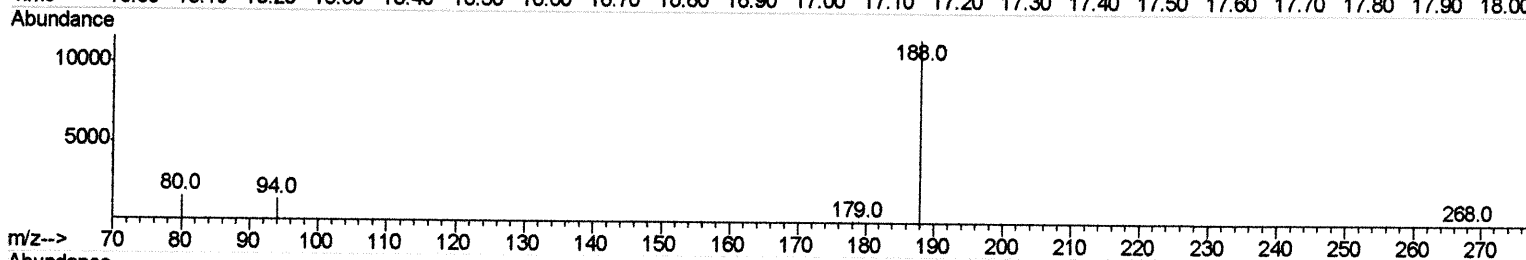
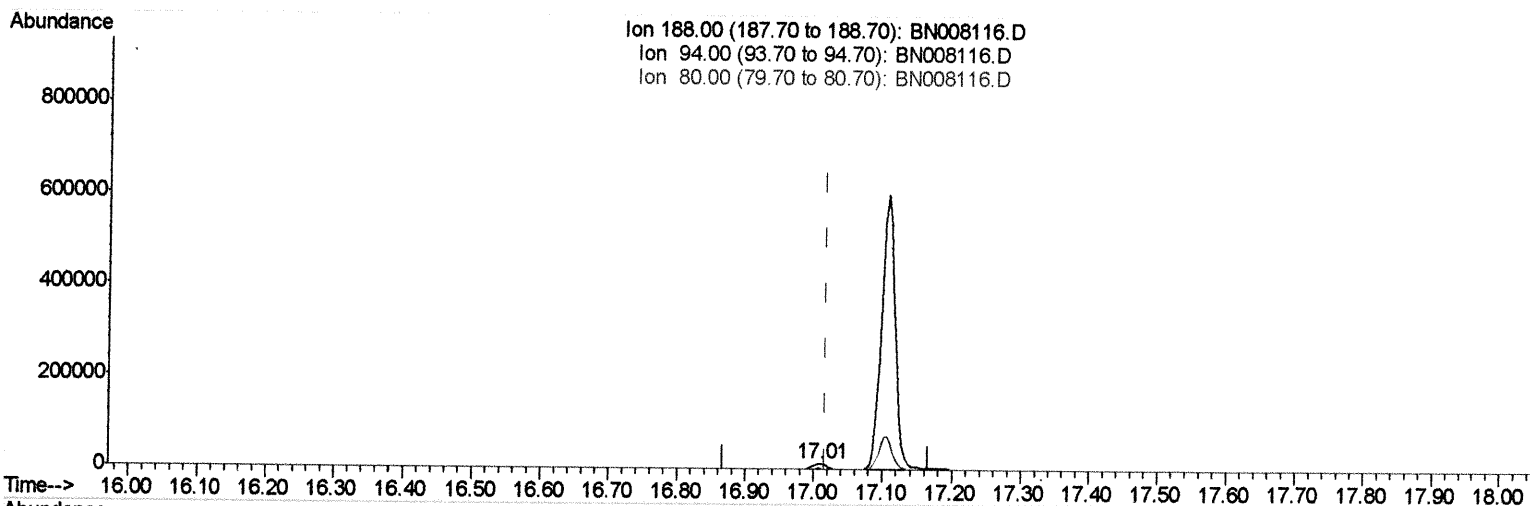
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008116.D
 Acq On : 12 Oct 2019 17:08
 Operator : JU
 Sample : K5178-07
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPFO

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:58:51 AM

Quant Time: Oct 12 21:41:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (l)

17.009min (-0.008) 0.40ng/ul m₁ 10/16/19

response 16512

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.09
80.00	12.60	12.99
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

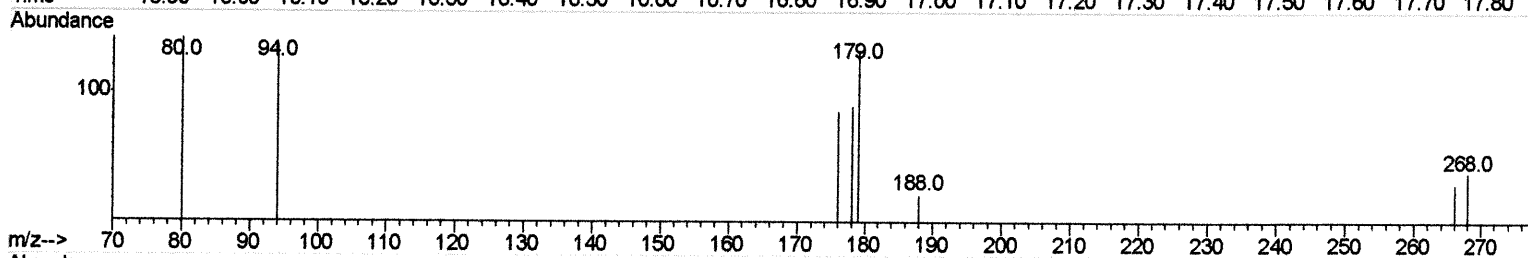
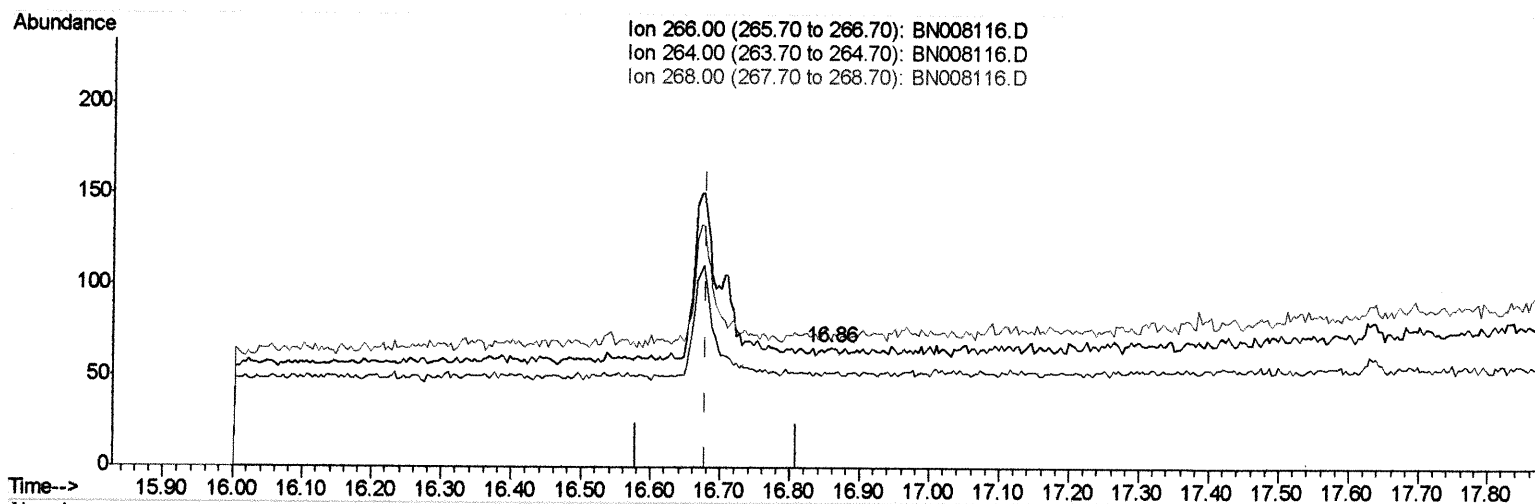
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

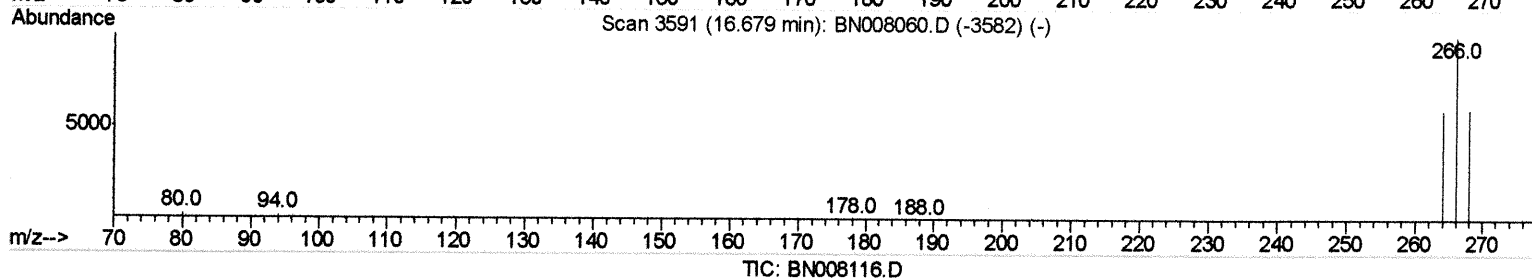
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



Scan 3591 (16.679 min): BN008060.D (-3582) (-)



(11) Pentachlorophenol

16.857min (+0.177) 0.00ng/ui

response 6

Ion	Exp%	Act%
266.00	100	100
264.00	62.60	0.00#
268.00	64.90	66.67
0.00	0.00	0.00

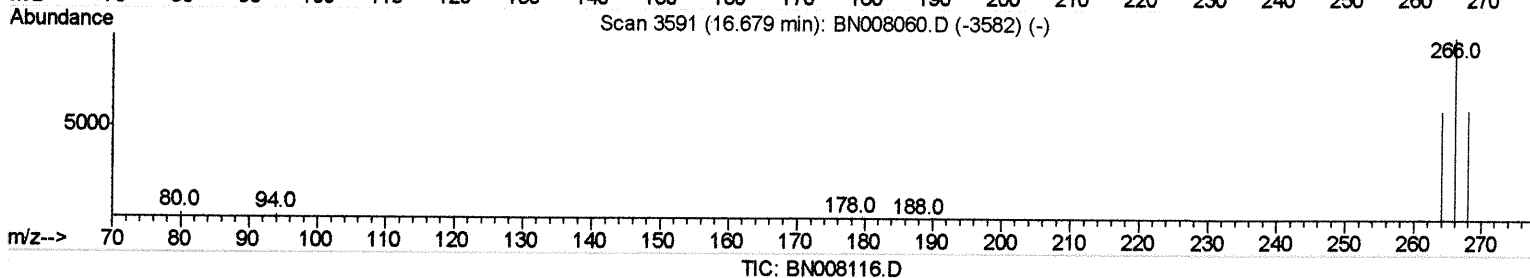
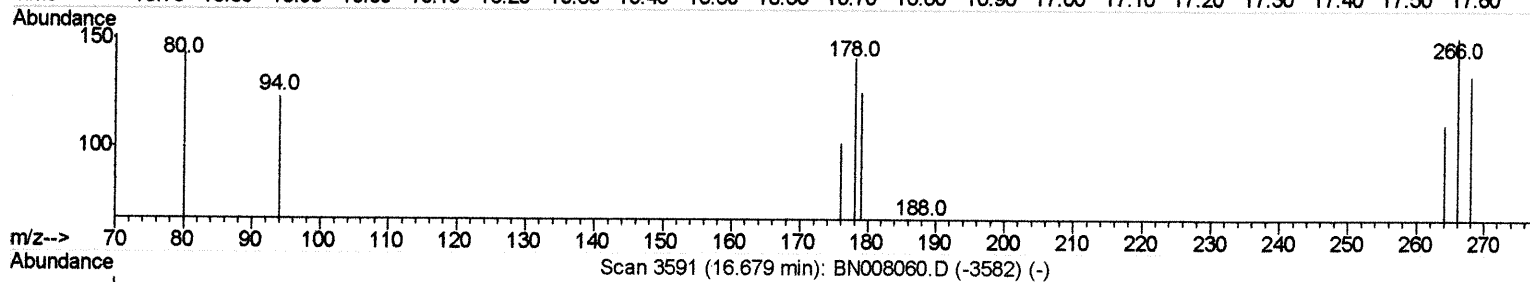
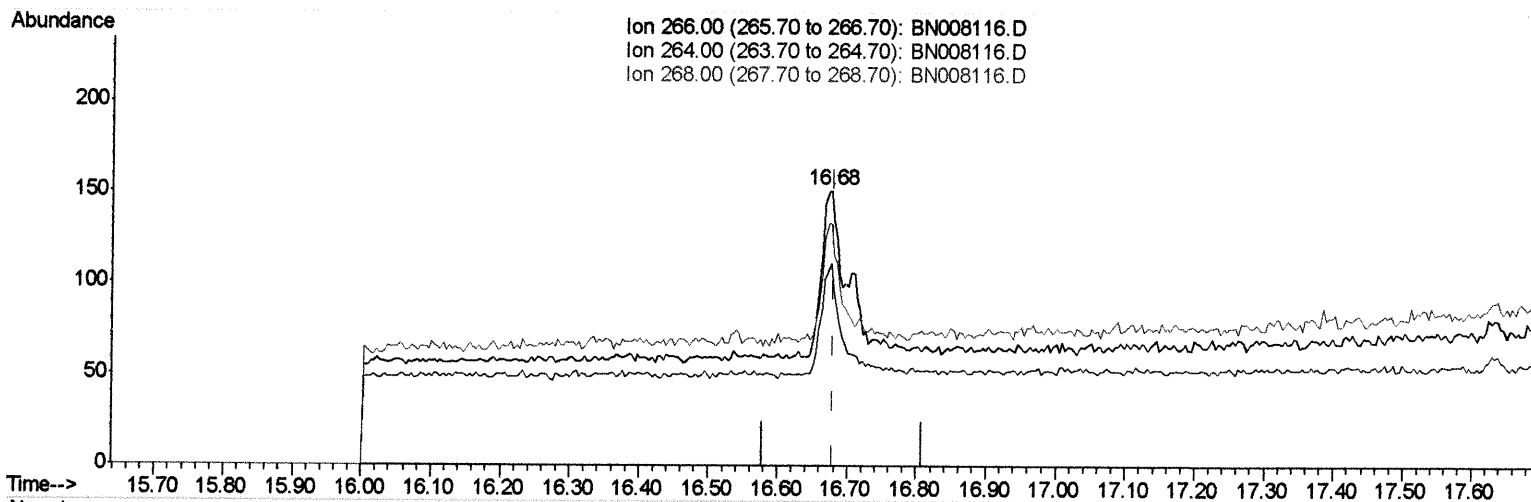
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPFO

Manual Integrations
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Quant Time: Oct 13 03:53:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(11) Pentachlorophenol

16.675min (-0.004) 0.04ng/ul m Re 10/16/19

response 167

Ion	Exp%	Act%
266.00	100	100
264.00	62.60	0.00#
268.00	64.90	2.40#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

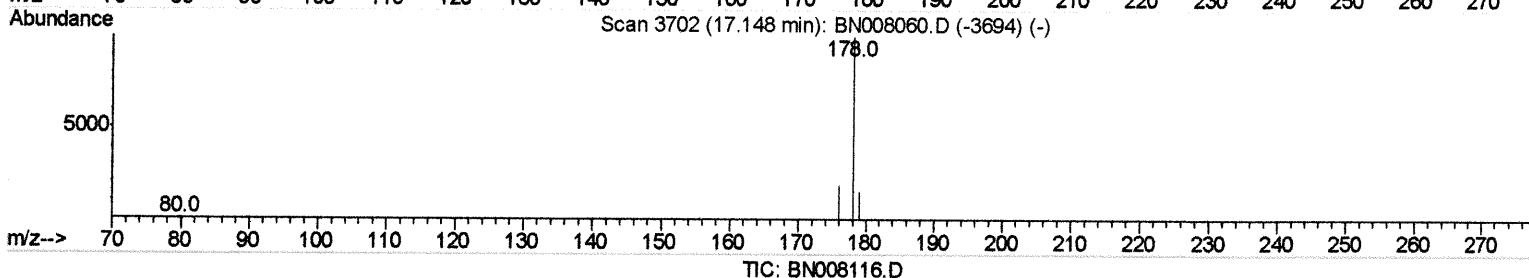
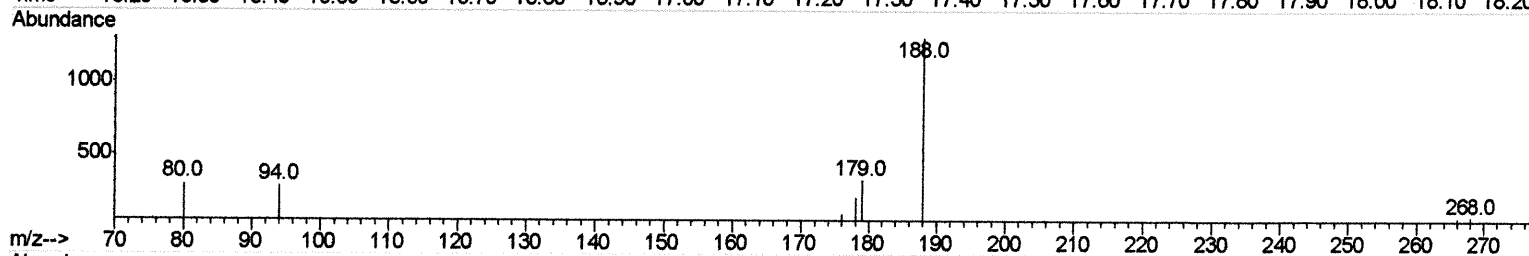
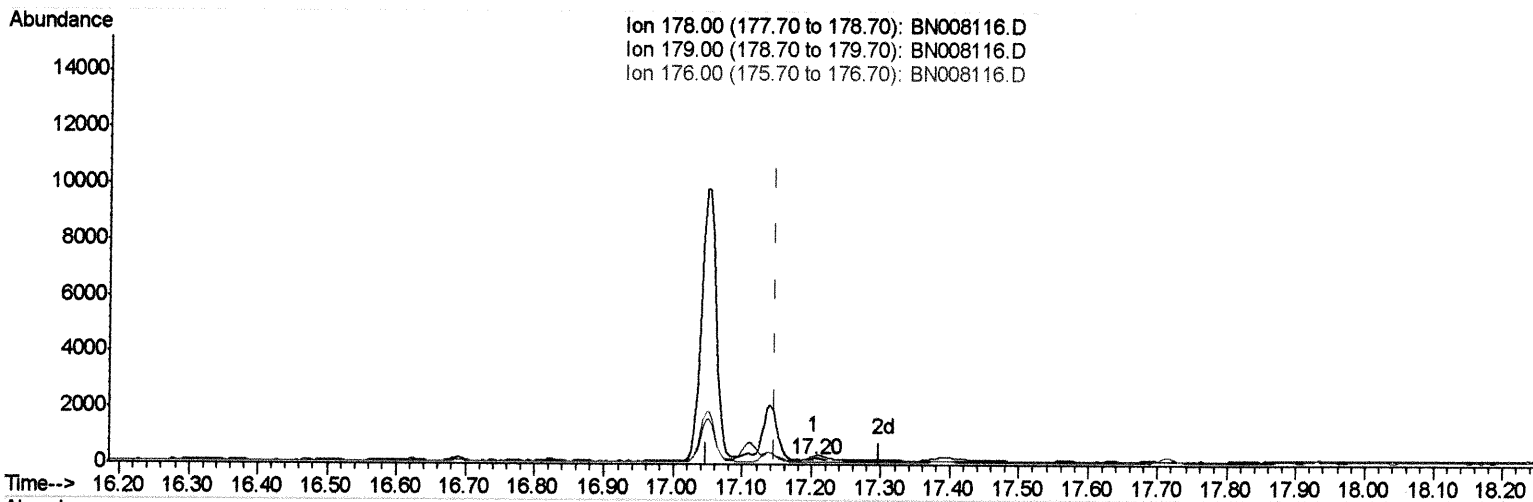
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(13) Anthracene

17.203min (+0.055) 0.00ng/ul

response 129

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	158.54#
176.00	18.80	47.80#
0.00	0.00	0.00

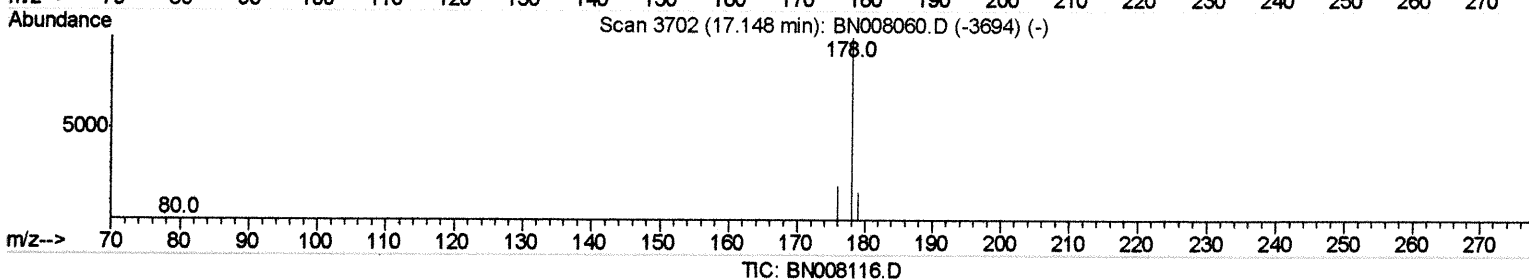
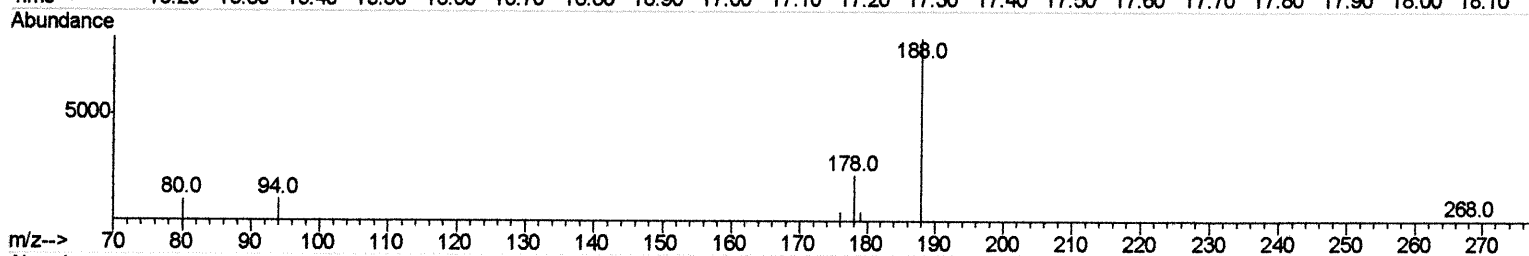
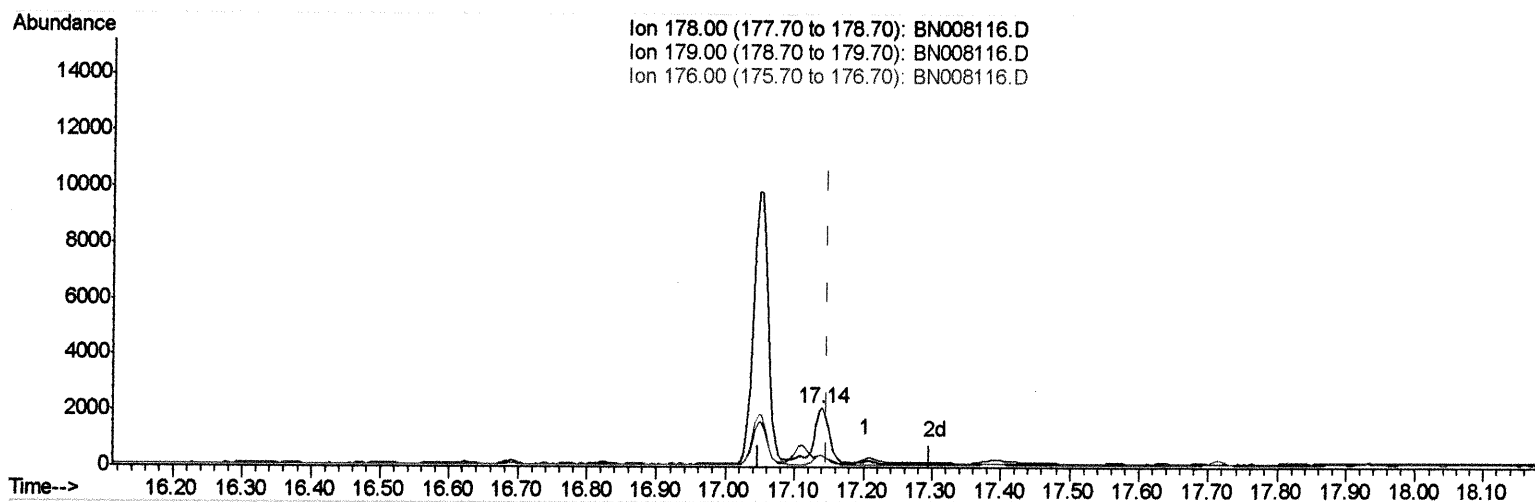
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
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10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:53:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(13) Anthracene

17.139min (-0.008) 0.07ng/ul m *ju 10/16/19*

response 2864

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	21.05#
176.00	18.80	21.61
0.00	0.00	0.00

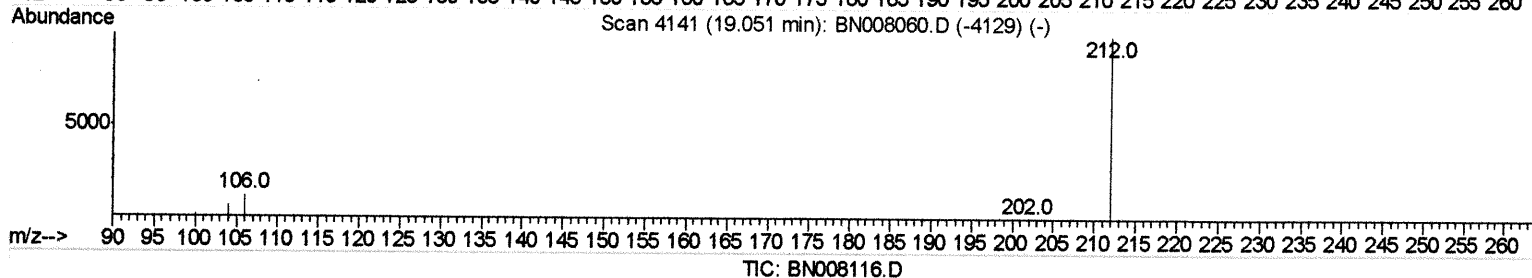
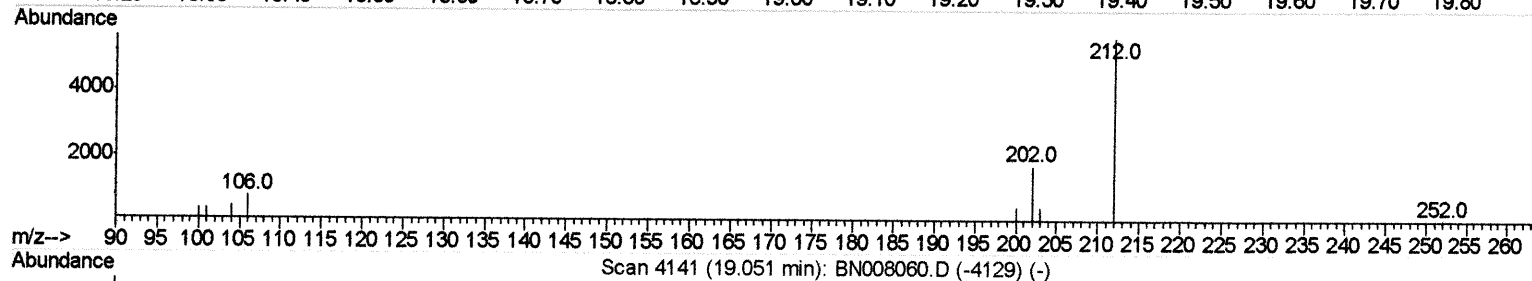
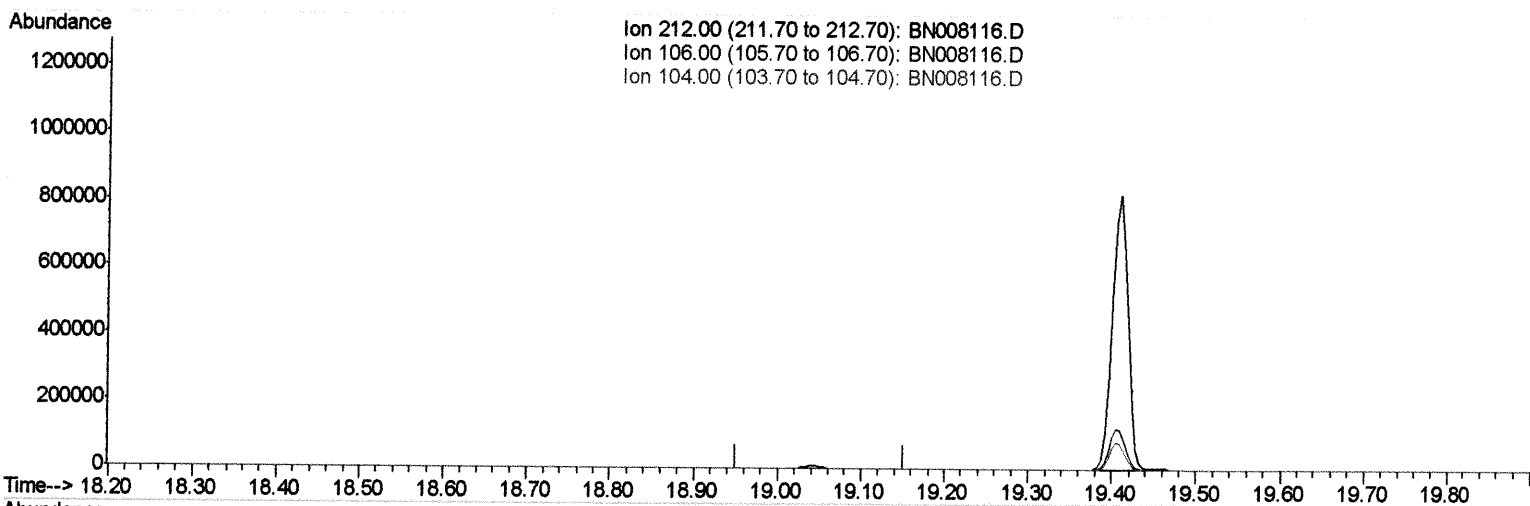
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
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10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:53:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

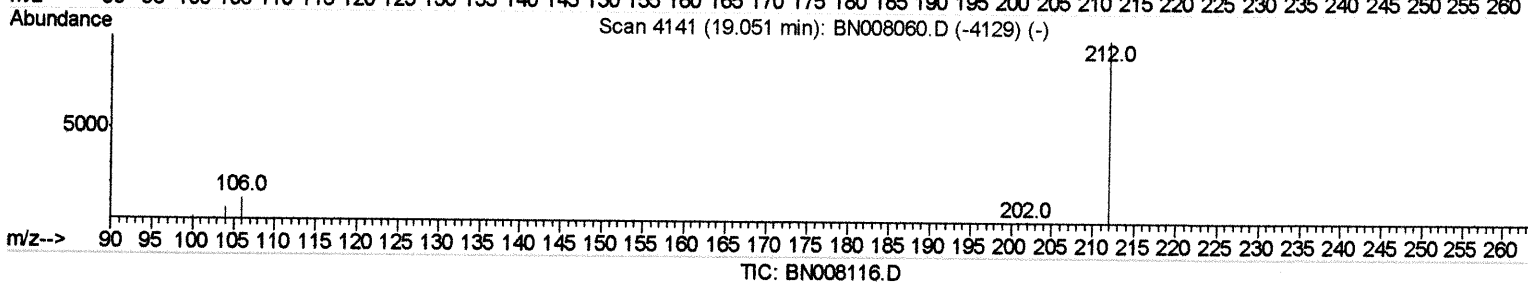
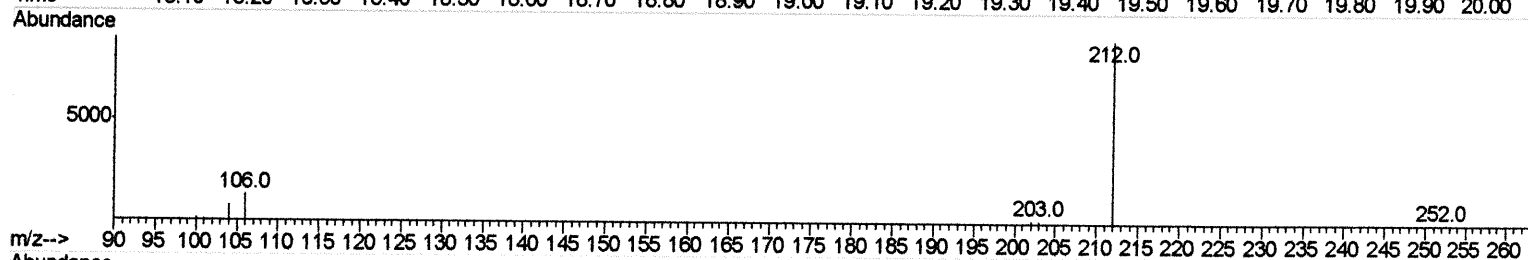
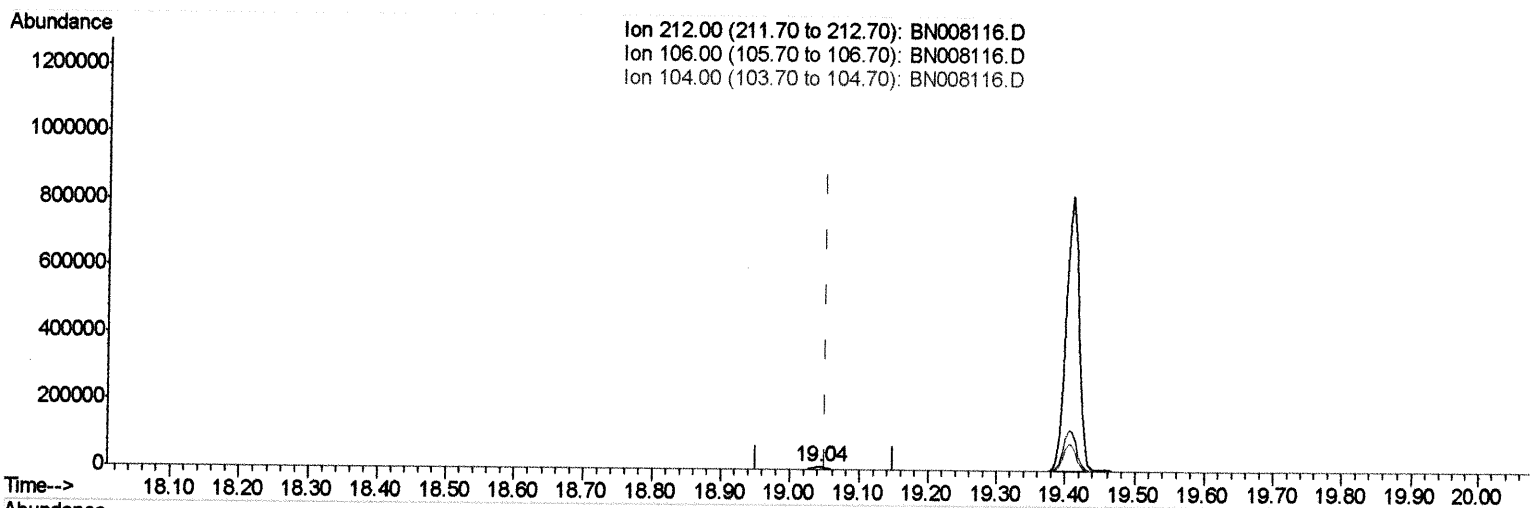
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.21ng/ul m

JU 10/16/19

response 12158

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
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10/15/2019 7:58:51 AM

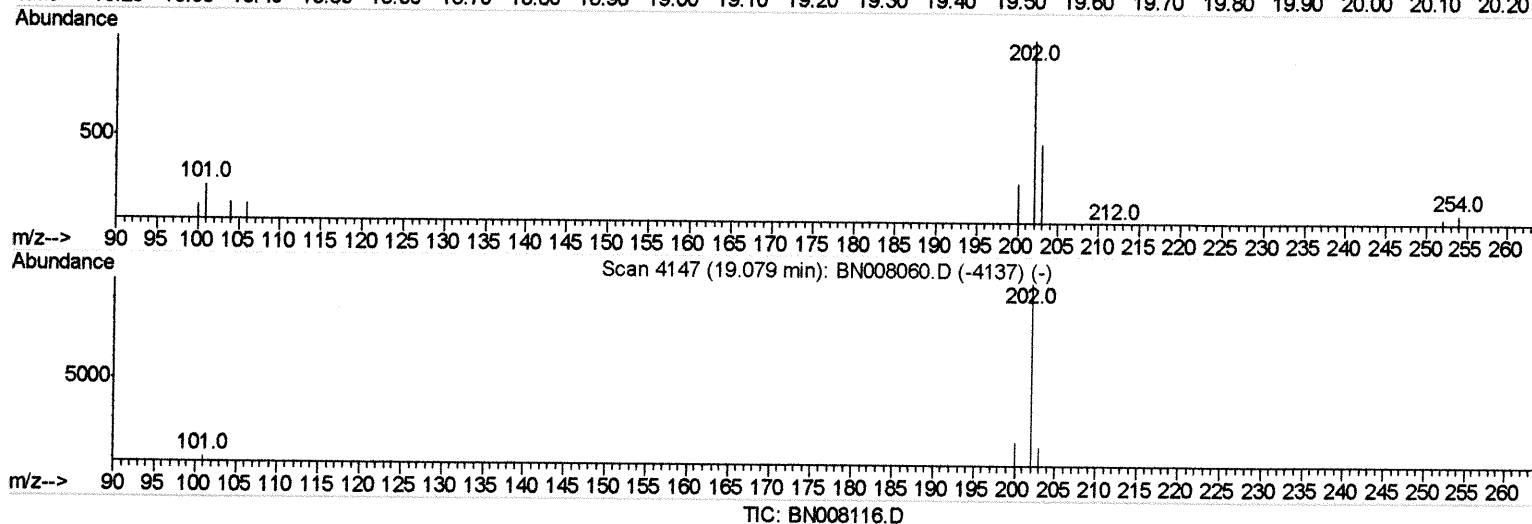
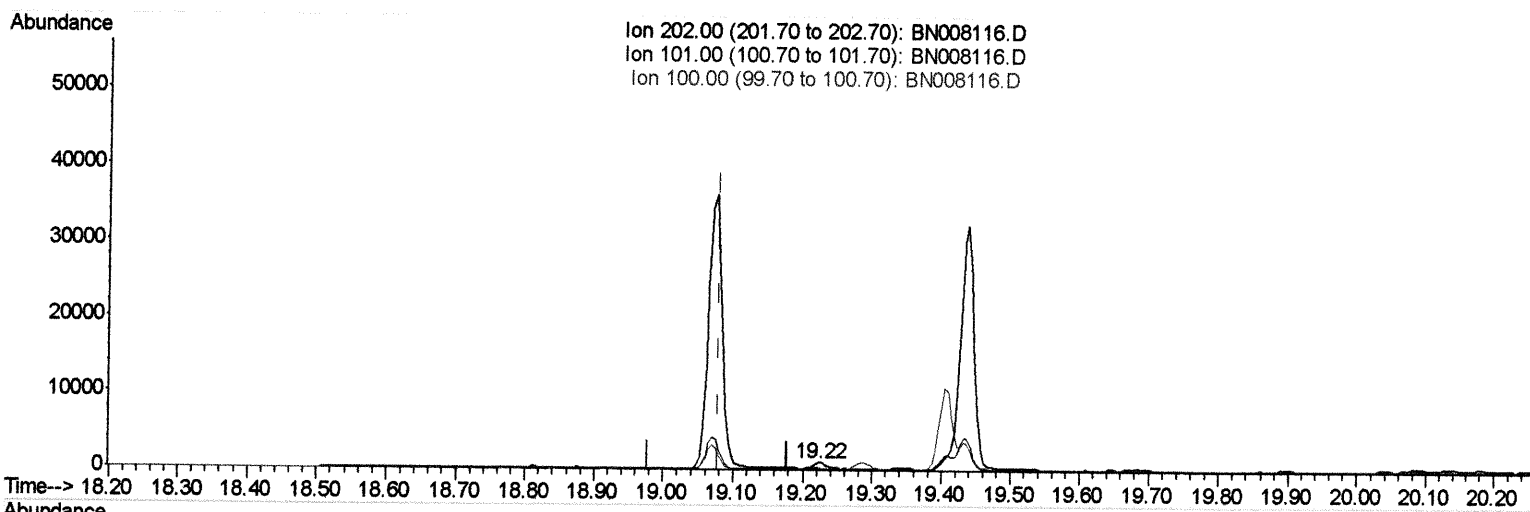
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(15) Fluoranthene (C)

19.223min (+0.144) 0.01ng/ul

response 956

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	27.08
100.00	8.50	17.23
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

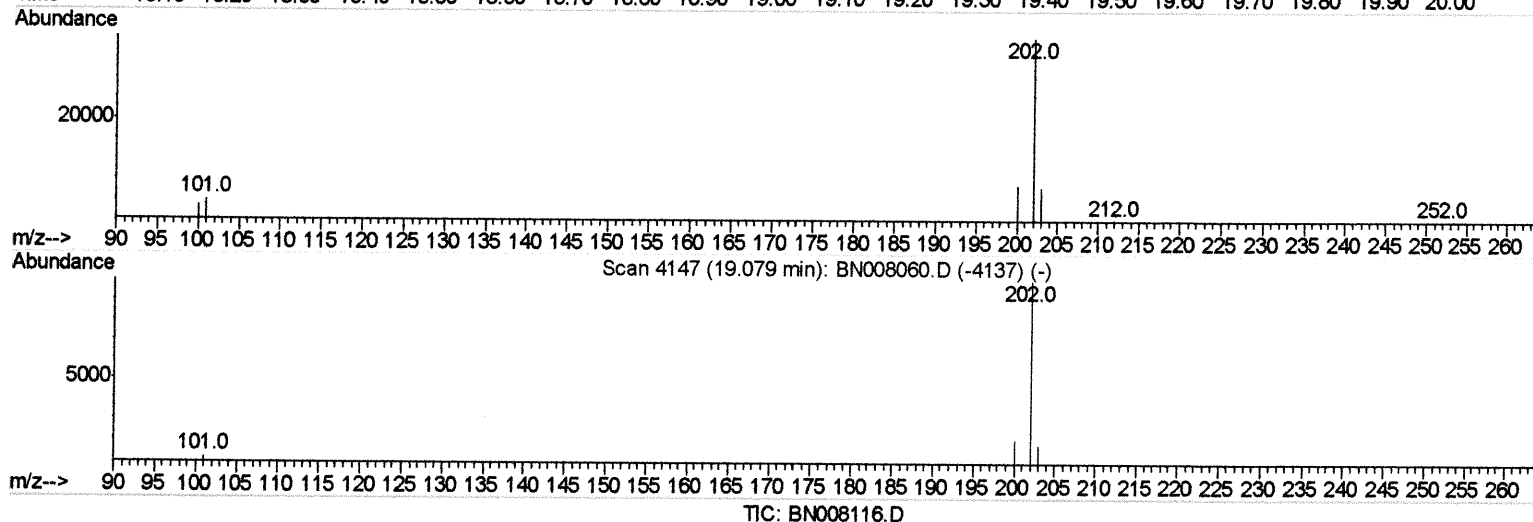
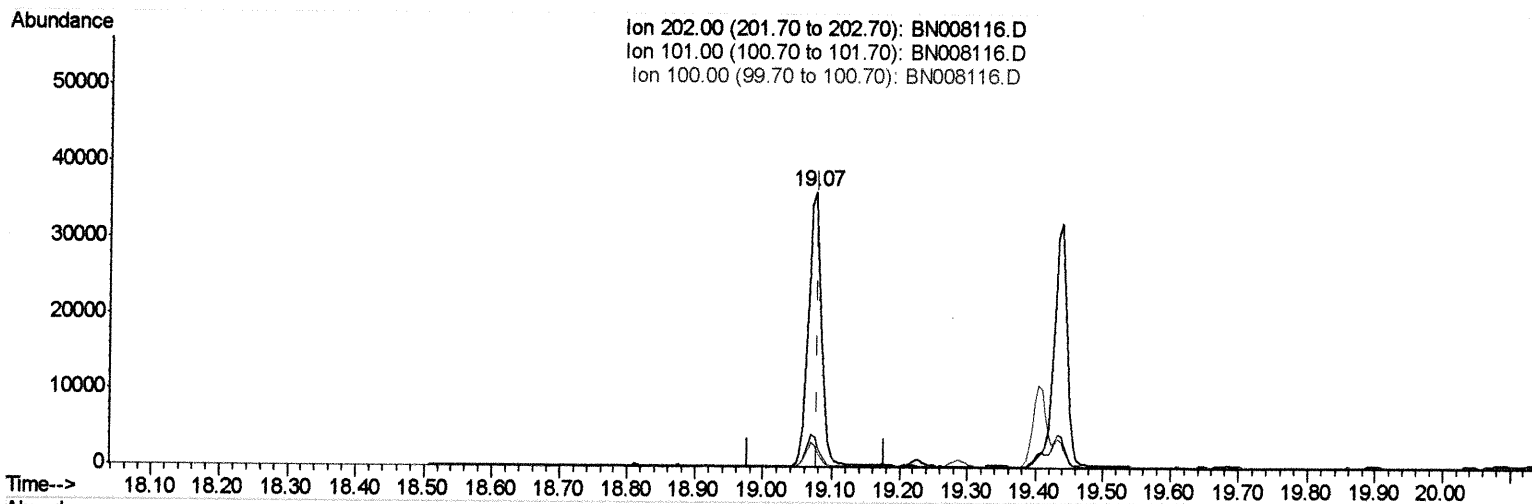
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(15) Fluoranthene (C)

19.074min (-0.005) 0.76ng/ul m *Ne 10/16/19*

response 48494

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	10.72
100.00	8.50	7.97
0.00	0.00	0.00

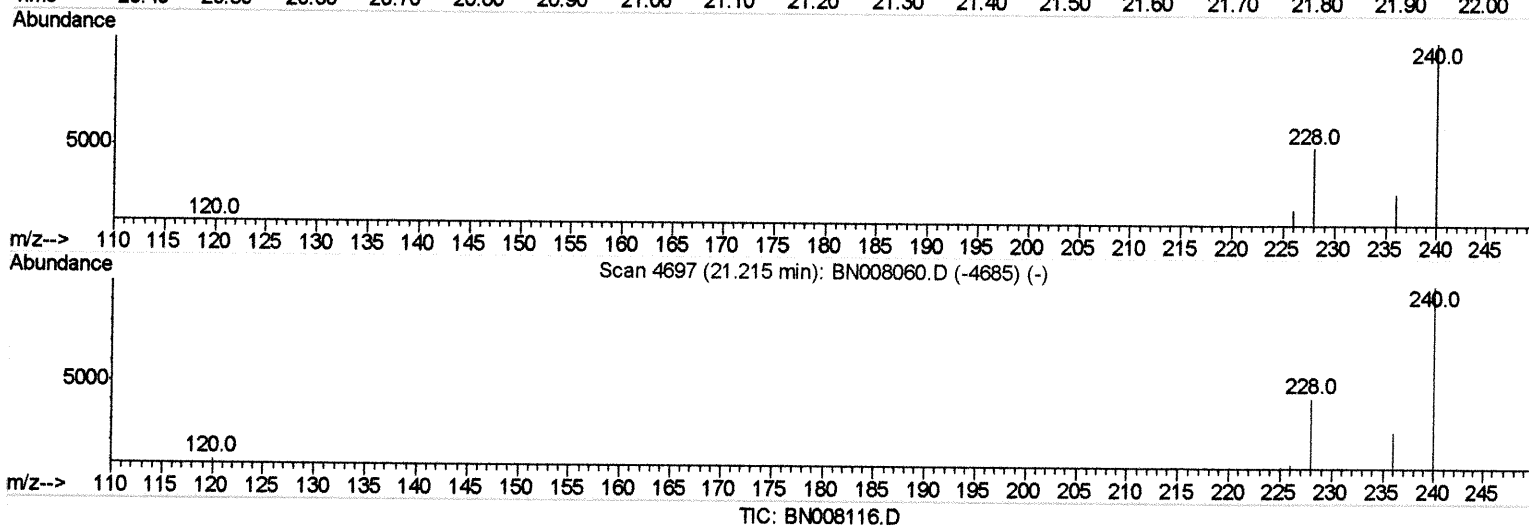
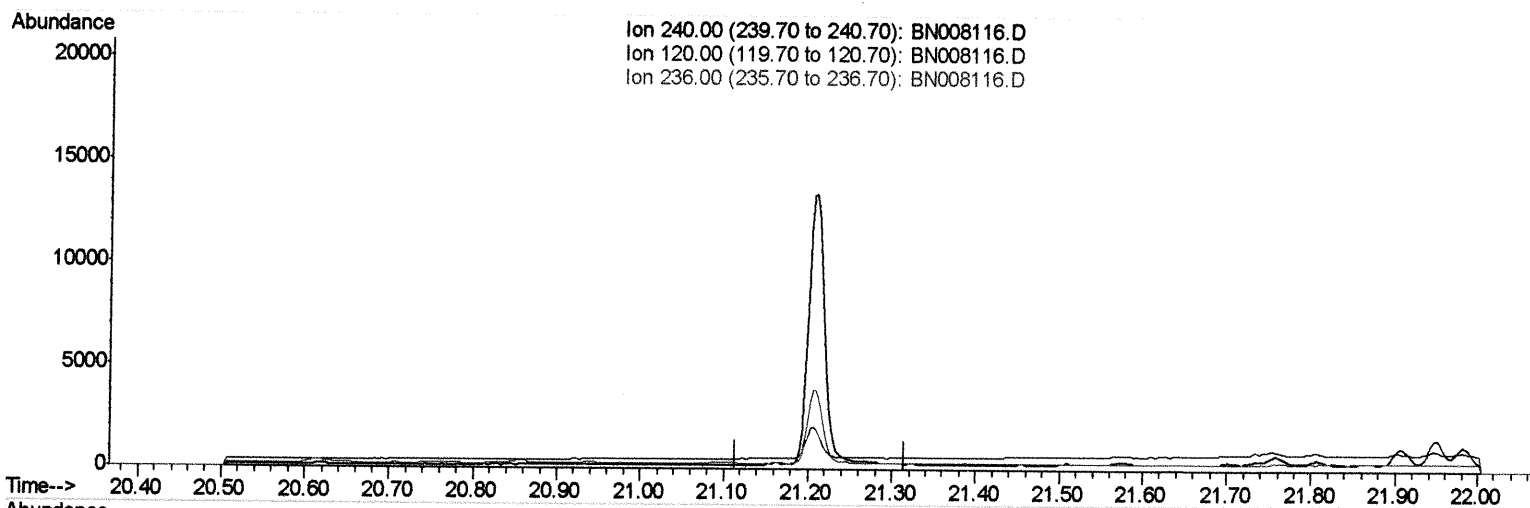
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:53:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.215min (-21.215) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.70	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampled :

BEPFO

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

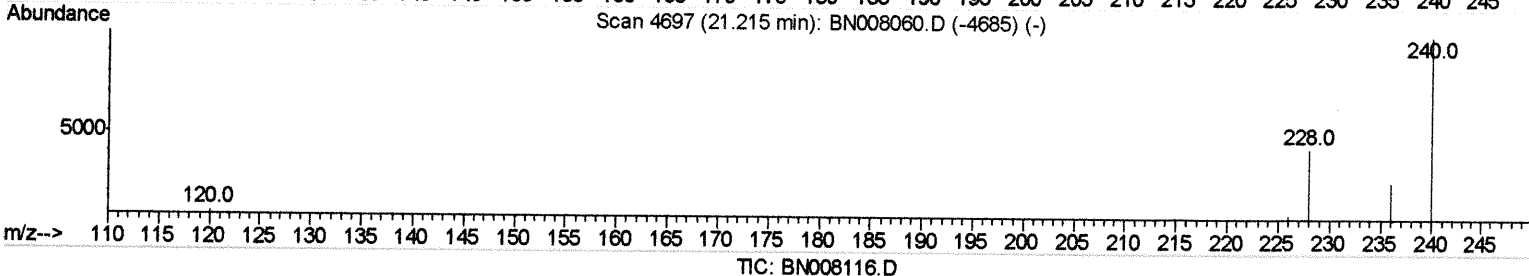
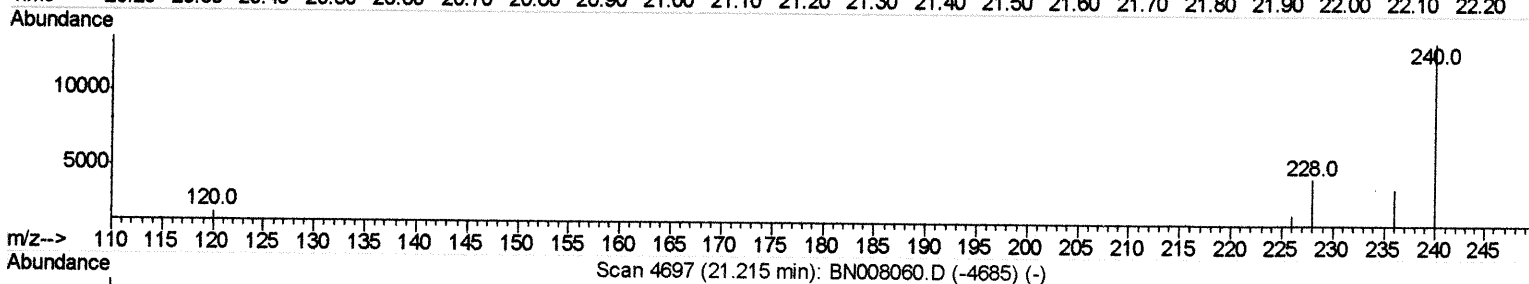
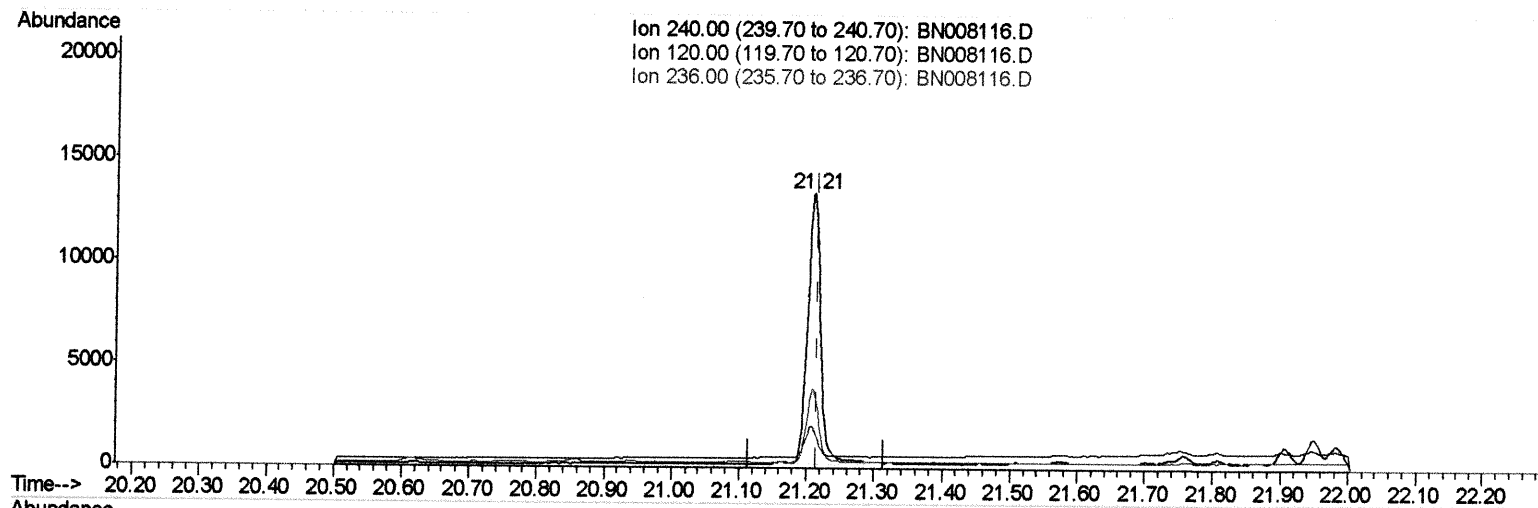
Quant Time: Oct 13 03:53:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.210min (-0.006) 0.40ng/ul m

JU 10/16/19

response 17961

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.50
236.00	28.40	28.50
0.00	0.00	0.00

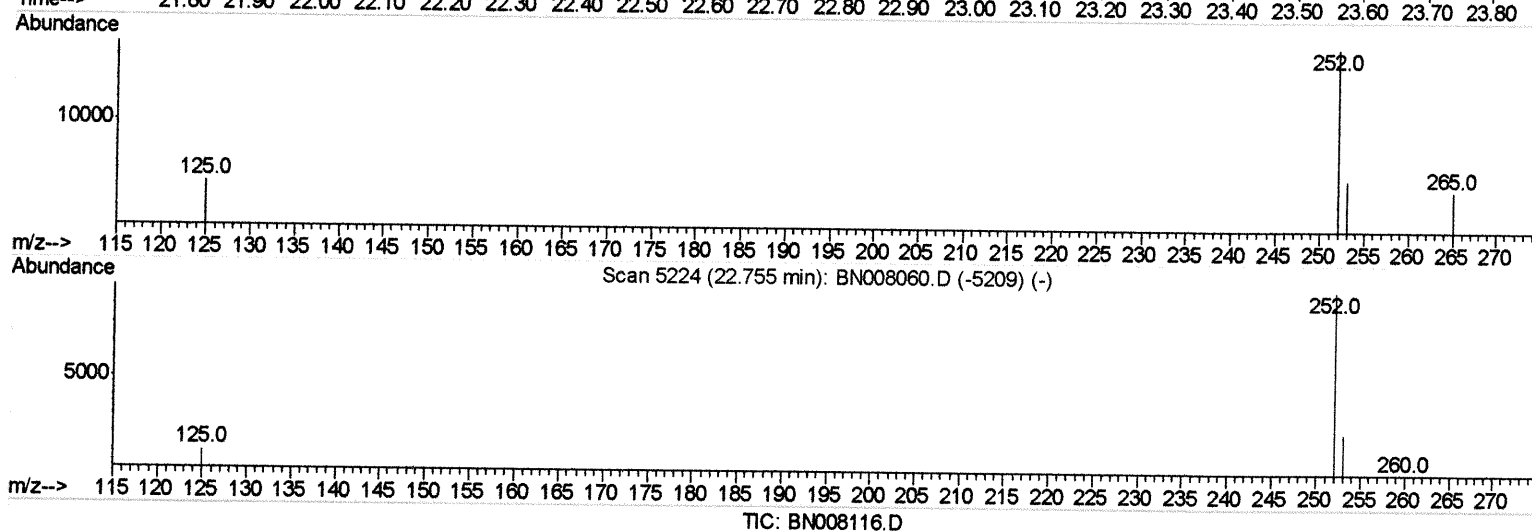
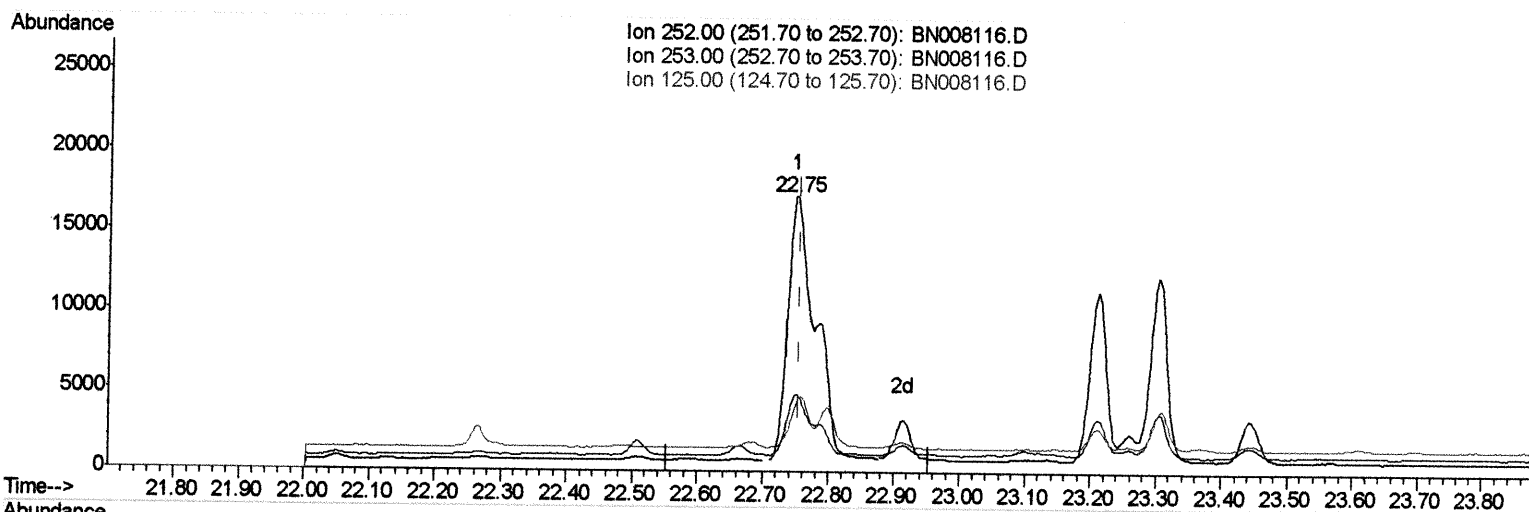
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:55:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.750min (-0.006) 0.81ng/ui

response 48533

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	28.13
125.00	16.20	24.84
0.00	0.00	0.00

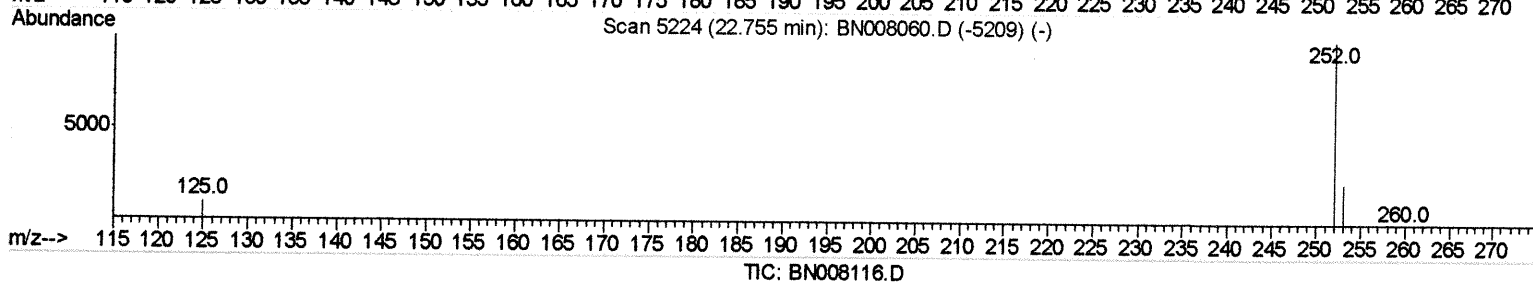
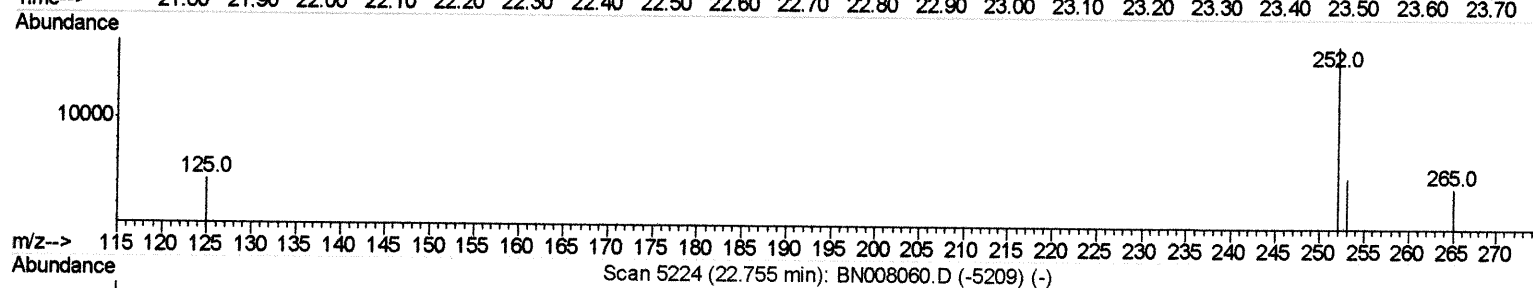
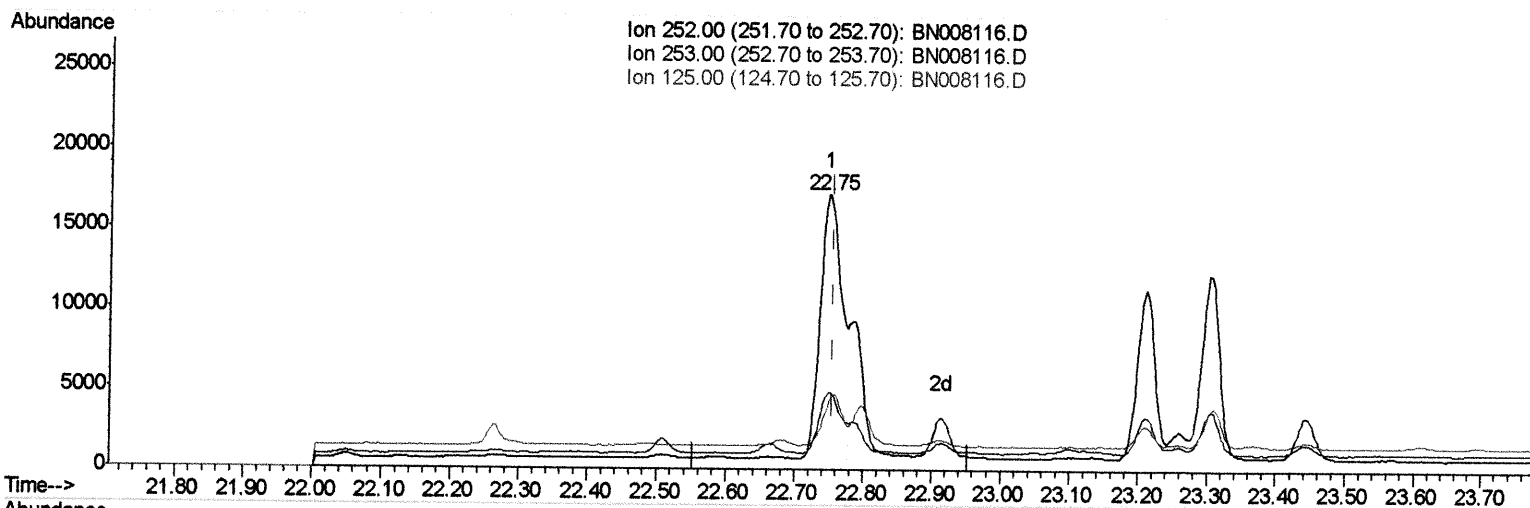
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:55:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.750min (-0.006) 0.60ng/ul m *JU 10/16/19*

response 35770

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	28.13
125.00	16.20	24.84
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008116.D

Acq On : 12 Oct 2019 17:08

Operator : JU

Sample : K5178-07

Misc :

ALS Vial : 49 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPF0

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:51 AM

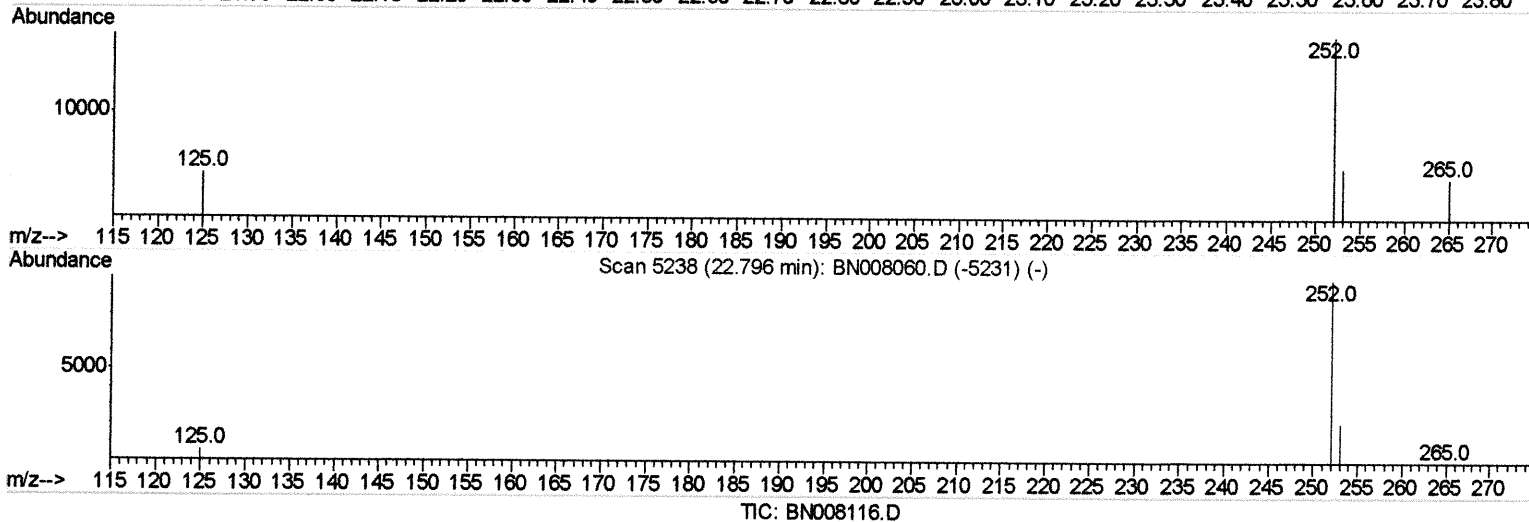
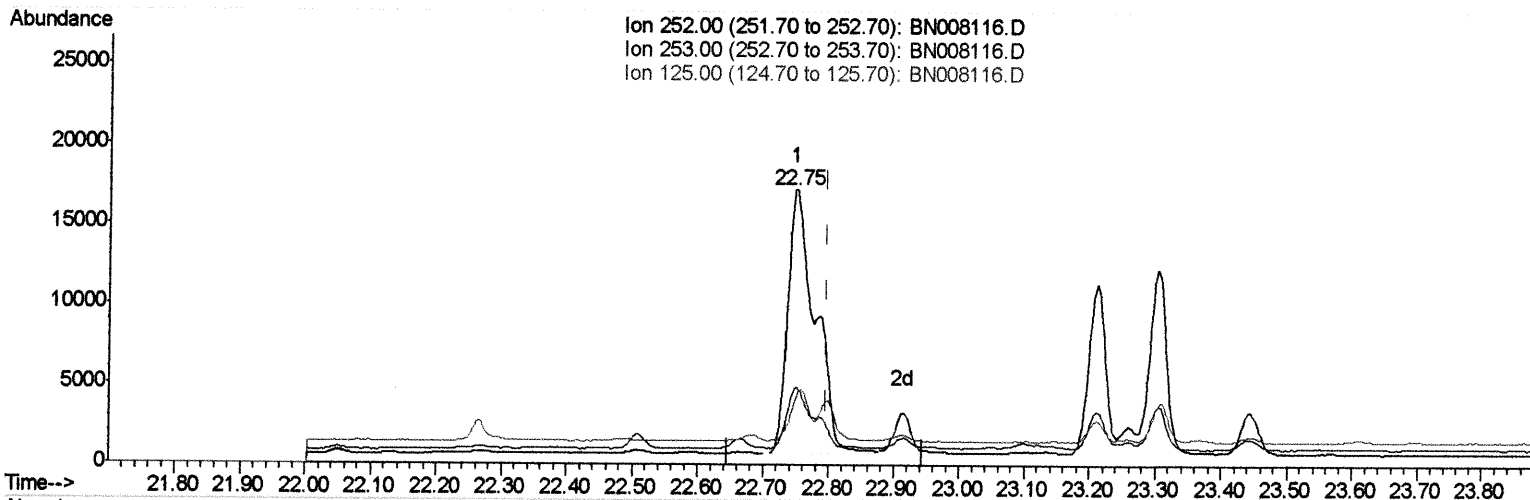
Quant Time: Oct 13 03:55:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.750min (-0.047) 0.72ng/ul

response 48533

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.13
125.00	15.40	24.84#
0.00	0.00	0.00

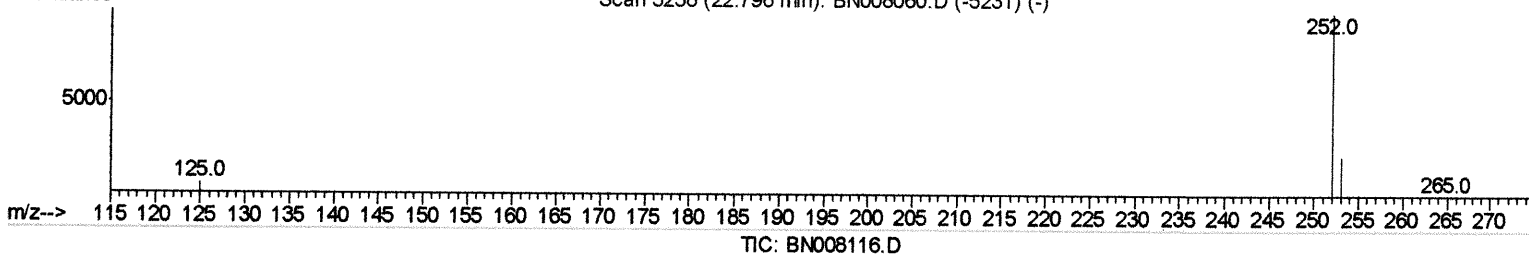
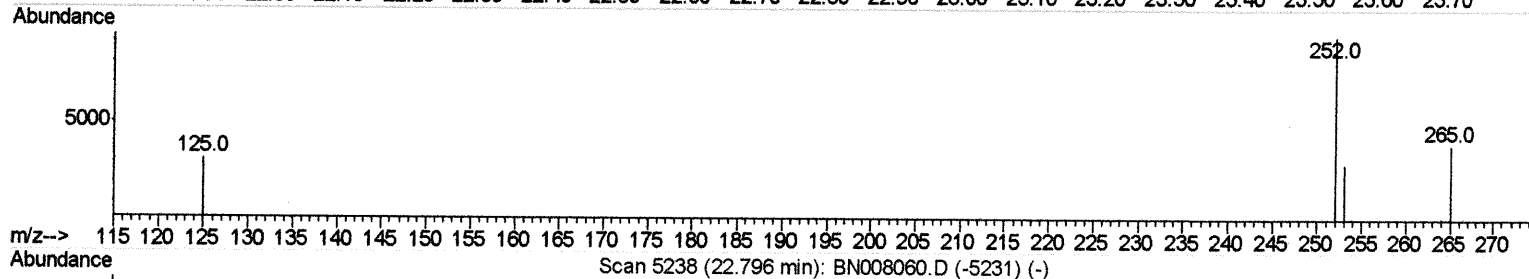
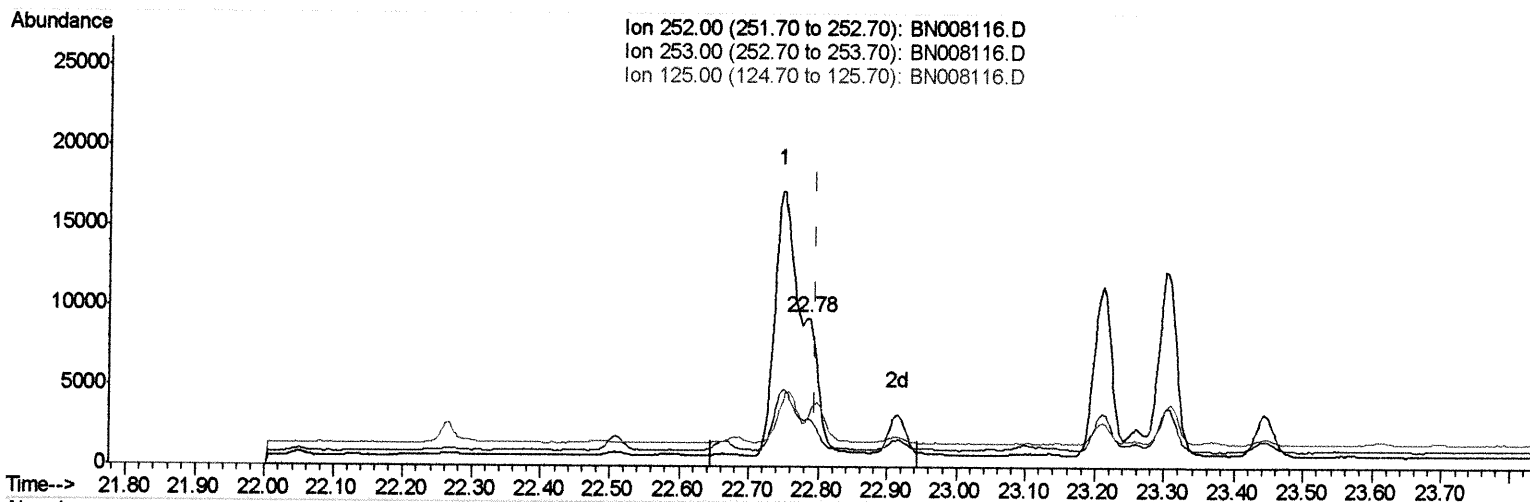
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008116.D
Acq On : 12 Oct 2019 17:08
Operator : JU
Sample : K5178-07
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:55:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.785min (-0.012) 0.17ng/ul m

OK 10/16/19

response 11768

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	32.22#
125.00	15.40	33.85#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008116.D
 Acq On : 12 Oct 2019 17:08
 Operator : JU
 Sample : K5178-07
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 BEPFO

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:58:51 AM

Quant Time: Oct 13 03:56:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2234	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	11017	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	7162	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	16512m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	17961m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	18322	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	3589	0.19	ng/ul	-0.01
14) Fluoranthene-d10	19.04	212	12158m	0.21	ng/ul	0.00

Target Compounds

					Ovalue	
3) Naphthalene	10.44	128	746	0.024	ng/ul#	72
5) 2-Methylnaphthalene	12.07	142	498	0.023	ng/ul	98
7) Acenaphthylene	13.98	152	2190	0.064	ng/ul#	87
11) Pentachlorophenol	16.68	266	167m	0.042	ng/ul	100
12) Phenanthrene	17.05	178	14378	0.297	ng/ul	100
13) Anthracene	17.14	178	2864m	0.067	ng/ul	98
15) Fluoranthene	19.07	202	48494m	0.760	ng/ul	97
17) Pyrene	19.44	202	44818	0.627	ng/ul	98
18) Benzo(a)anthracene	21.19	228	23111	0.354	ng/ul	95
19) Chrysene	21.24	228	31091	0.388	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	35770m	0.600	ng/ul	92
22) Benzo(k)fluoranthene	22.78	252	11768m	0.174	ng/ul	96
23) Benzo(a)pyrene	23.30	252	20765	0.331	ng/ul#	32
24) Indeno(1,2,3-cd)pyrene	25.57	276	12473	0.169	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.58	278	3086	0.053	ng/ul#	
26) Benzo(a,h,i)perylene	26.24	276	14137	0.209	ng/ul#	

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