

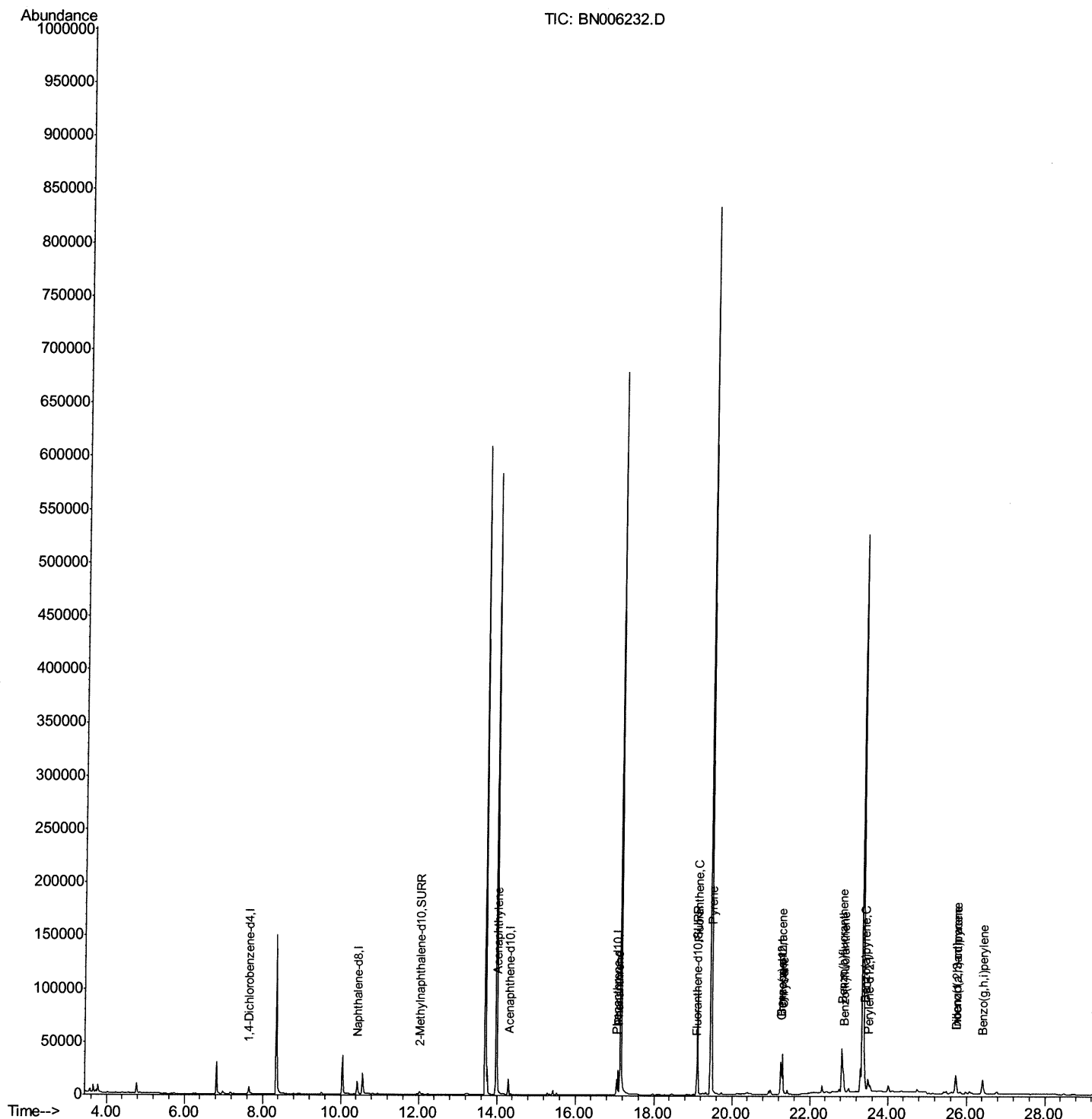
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006232.D
Acq On : 10 Jun 2019 20:36
Operator : JU/SJ
Sample : K3017-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E8

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:06:43 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

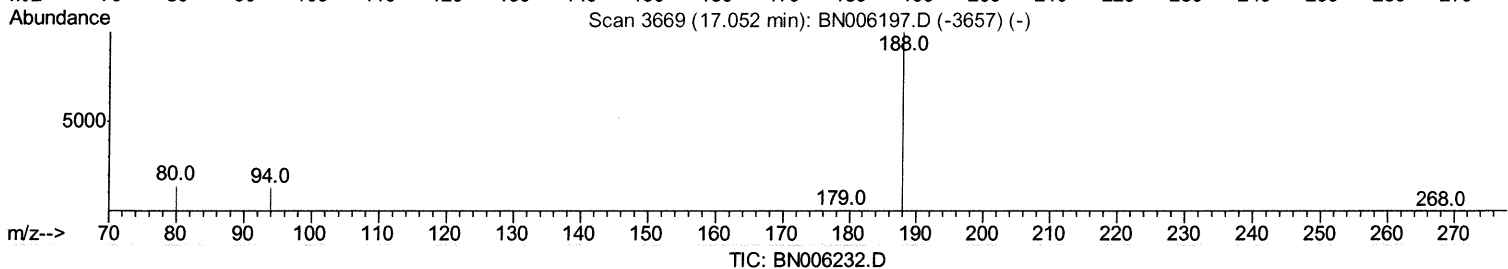
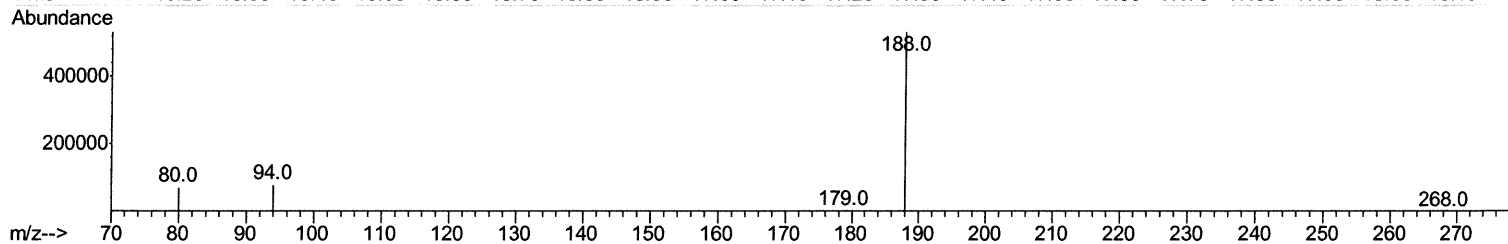
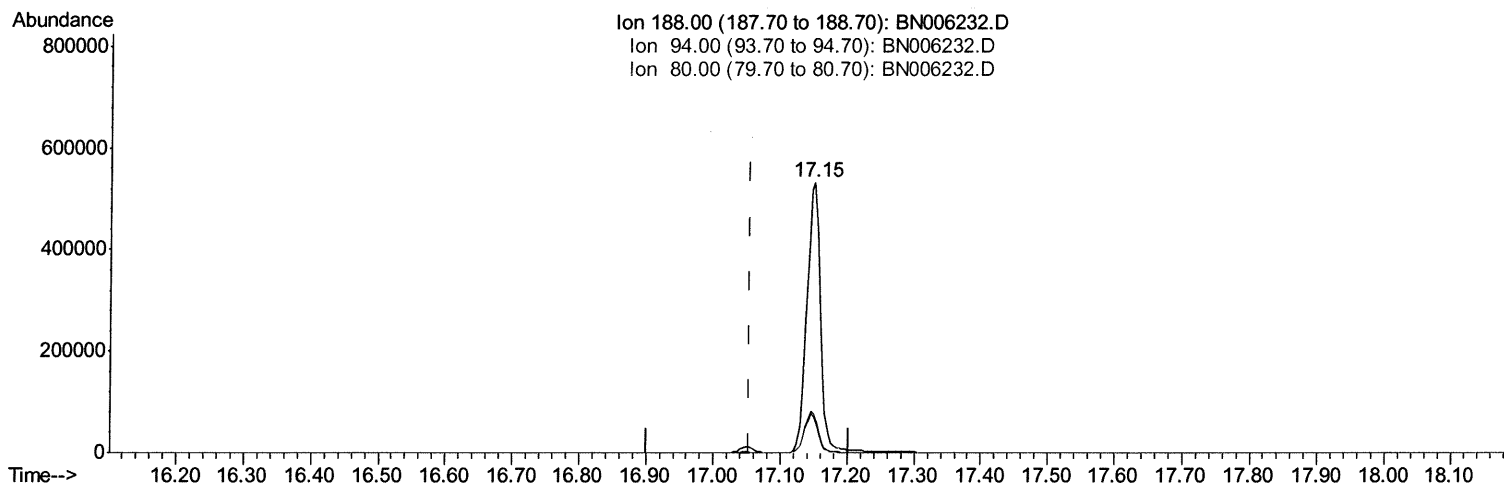
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 00:19:25 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 751306

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.54
80.00	13.60	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

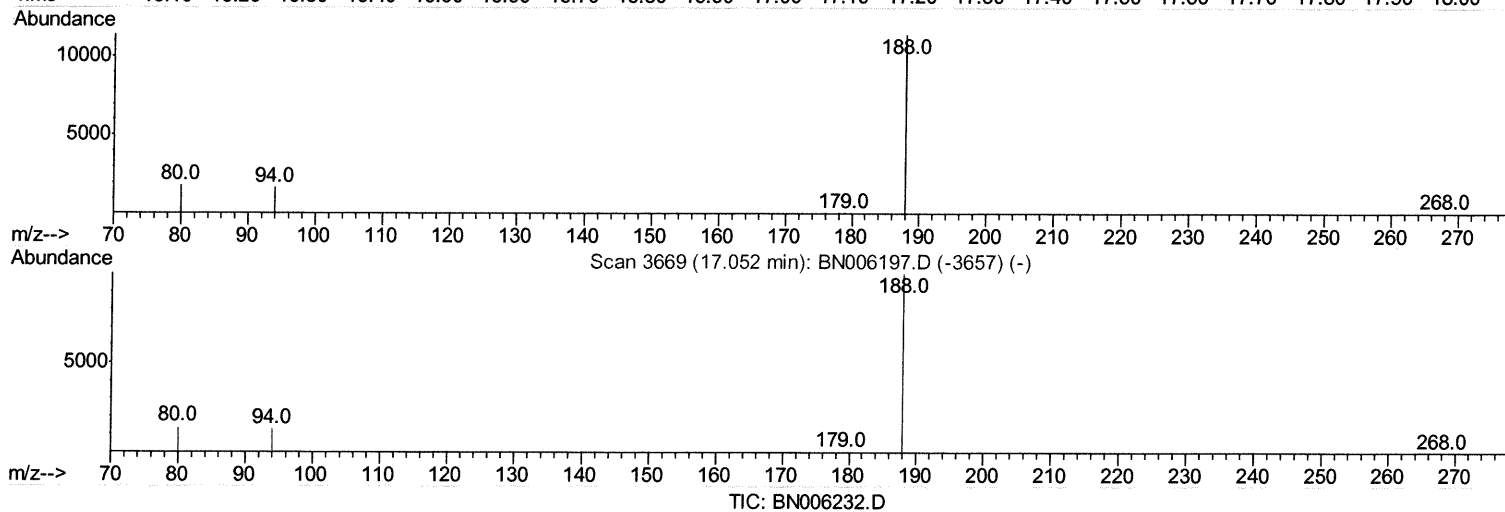
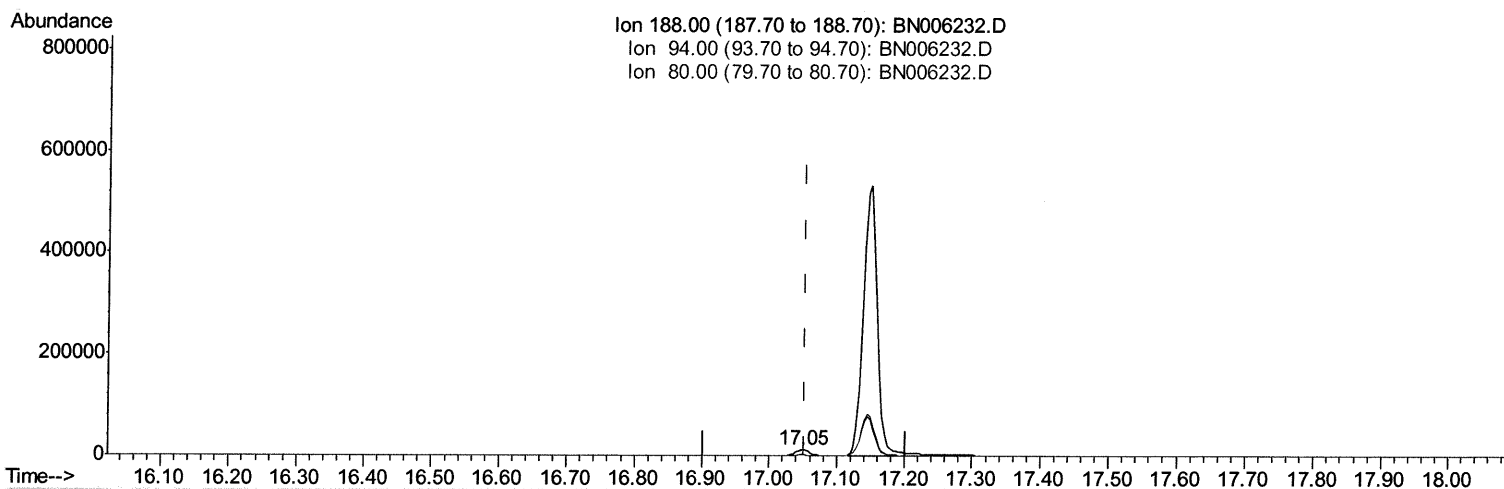
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 00:19:25 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m

JU
 06/11/19

response 16691

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.51
80.00	13.60	15.90
0.00	0.00	0.00

Quantitation Report (Qedit)

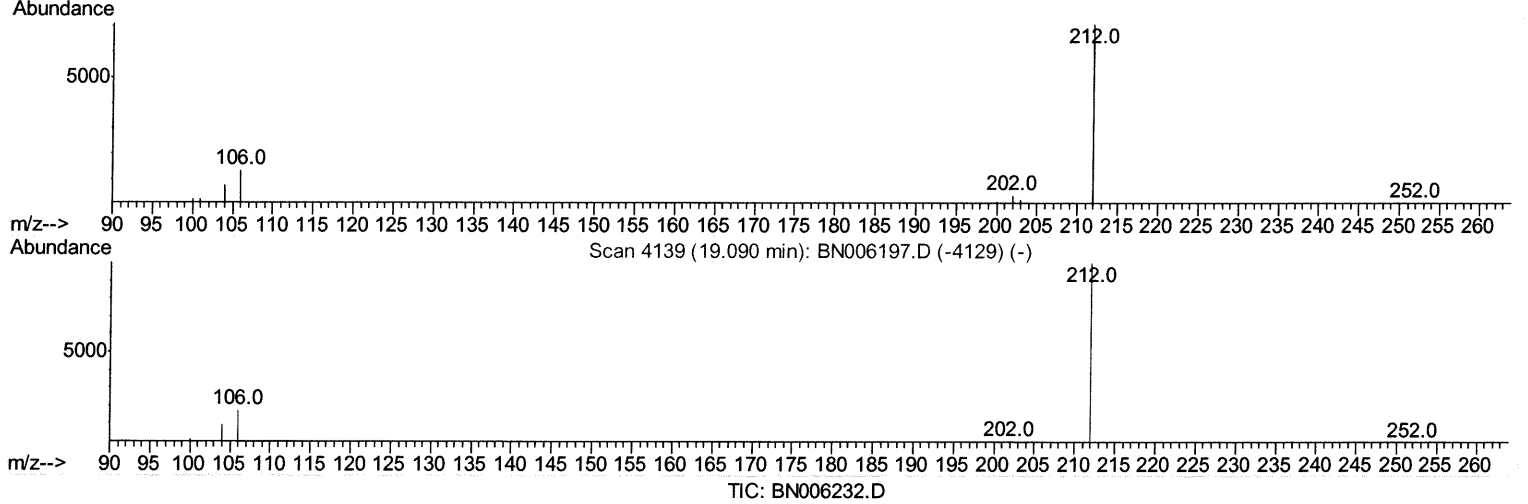
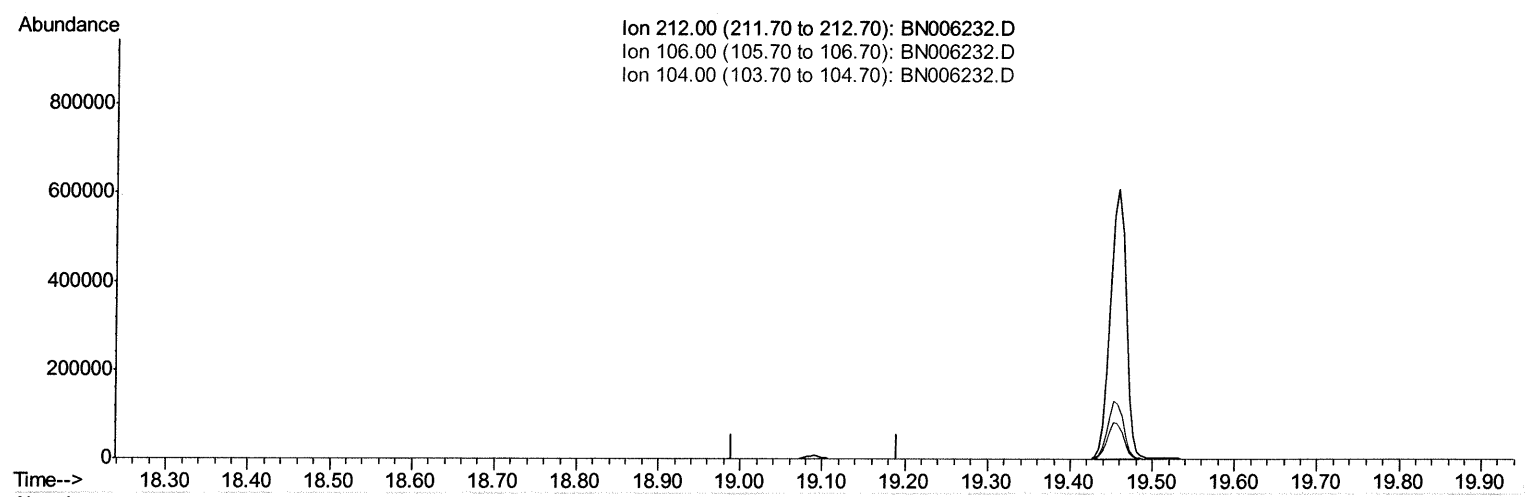
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 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

Quantitation Report (Qedit)

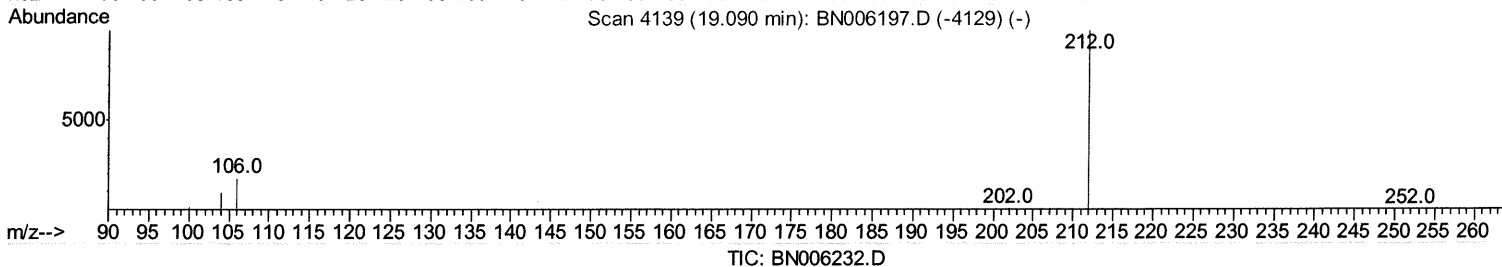
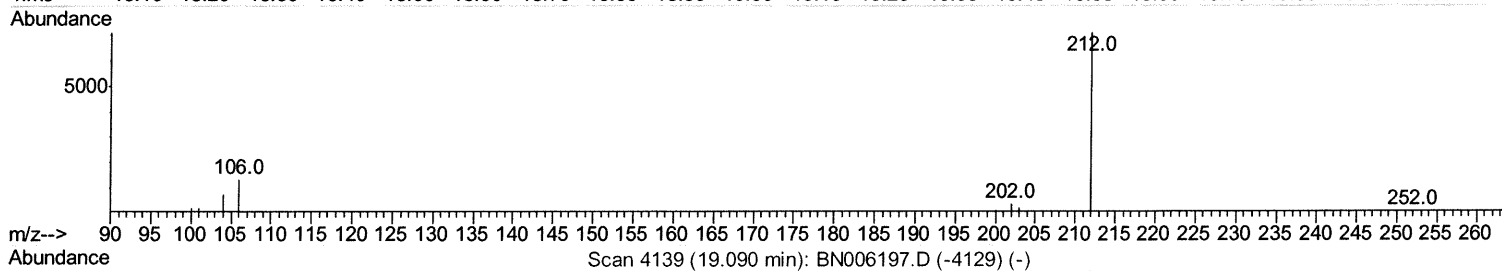
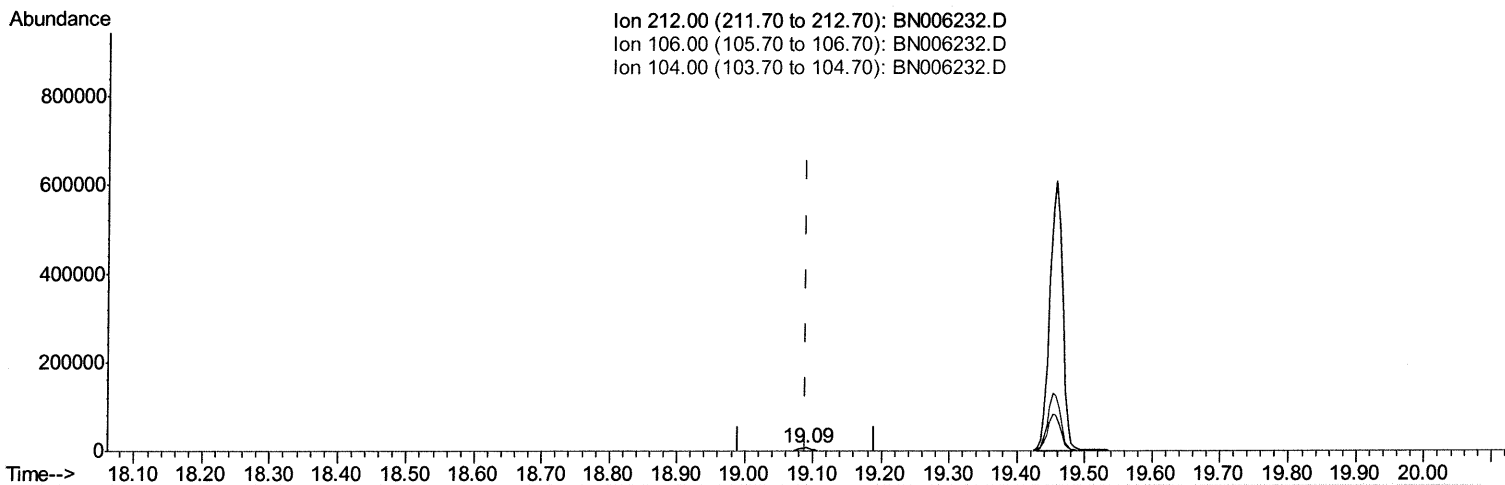
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006232.D
Acq On : 10 Jun 2019 20:36
Operator : JU/SJ
Sample : K3017-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E8

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.22ng/ul m *JU* *06/11/19*

response 9656

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

Quantitation Report (Qedit)

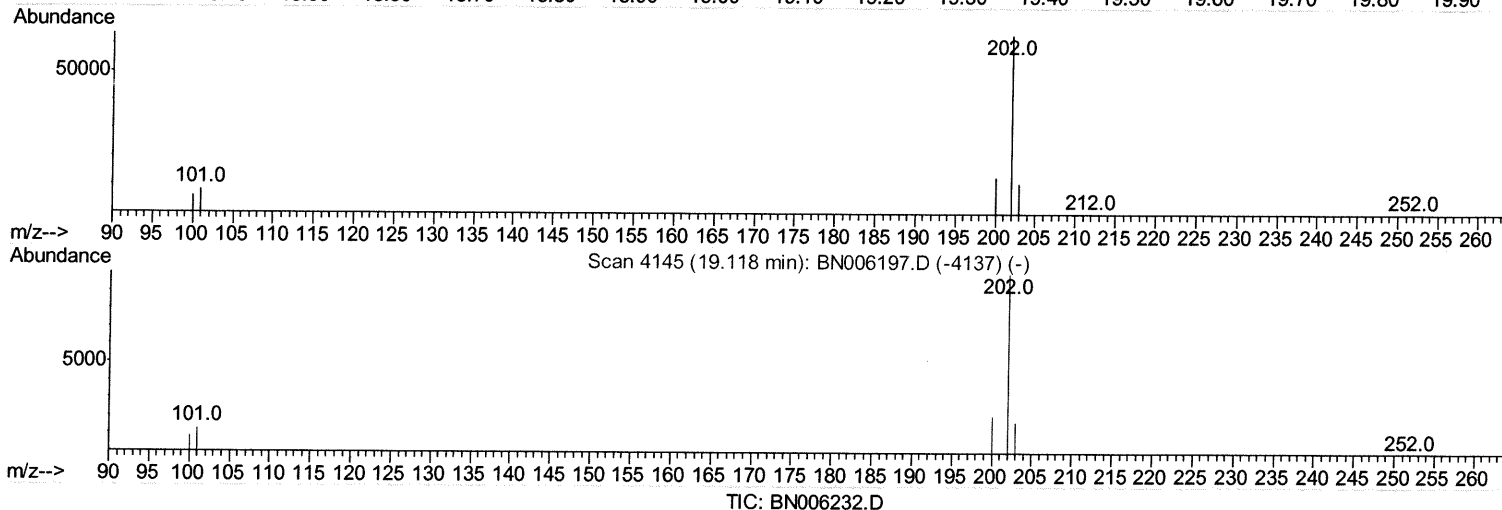
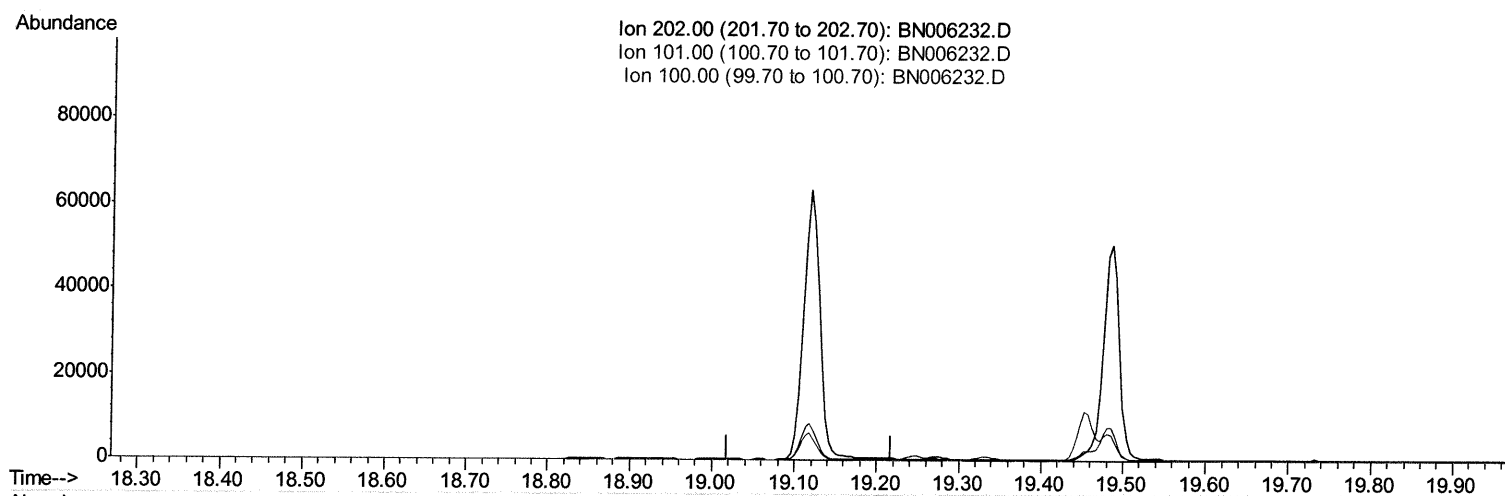
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006232.D
Acq On : 10 Jun 2019 20:36
Operator : JU/SJ
Sample : K3017-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E8

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(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

Quantitation Report (Qedit)

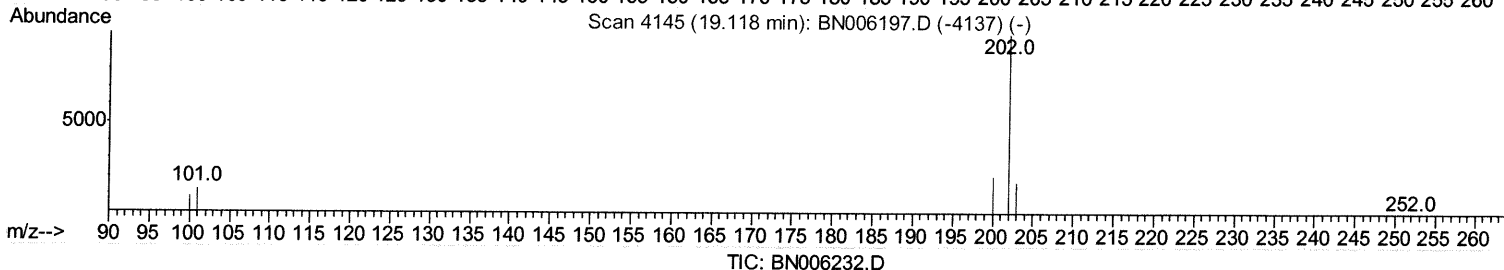
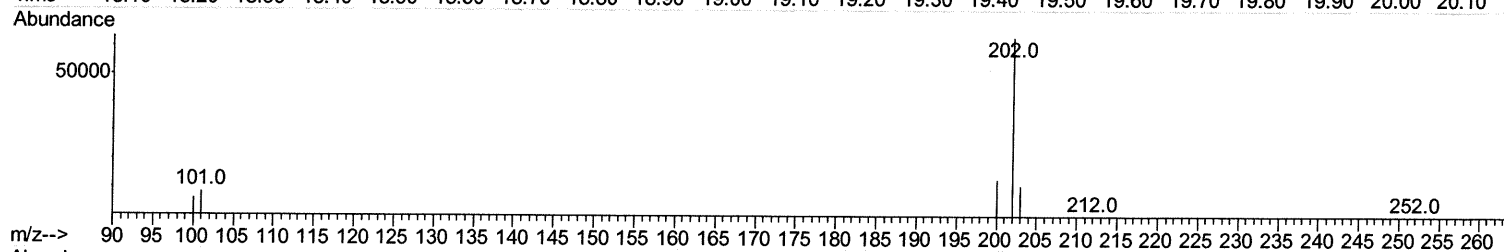
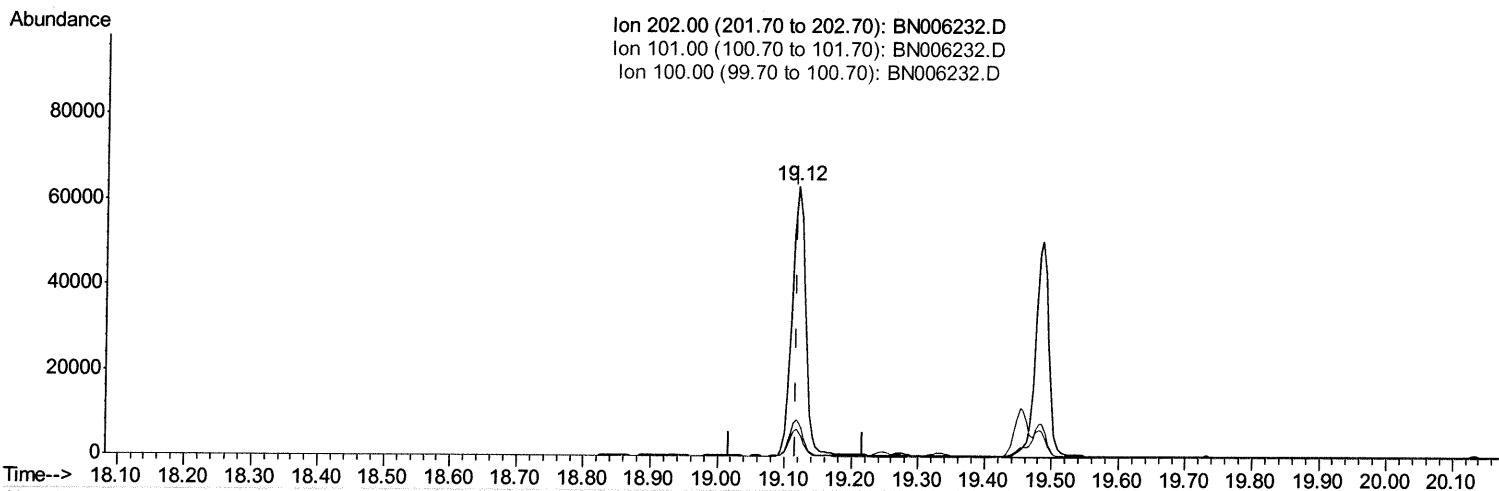
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.118min (-0.000) 1.47ng/ul m

JU
 06/11/19

response 86731

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.44
100.00	8.70	9.86
0.00	0.00	0.00

Quantitation Report (Qedit)

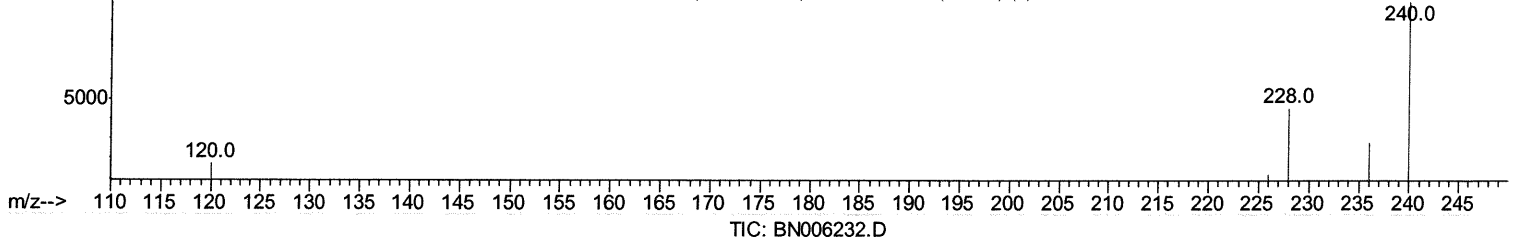
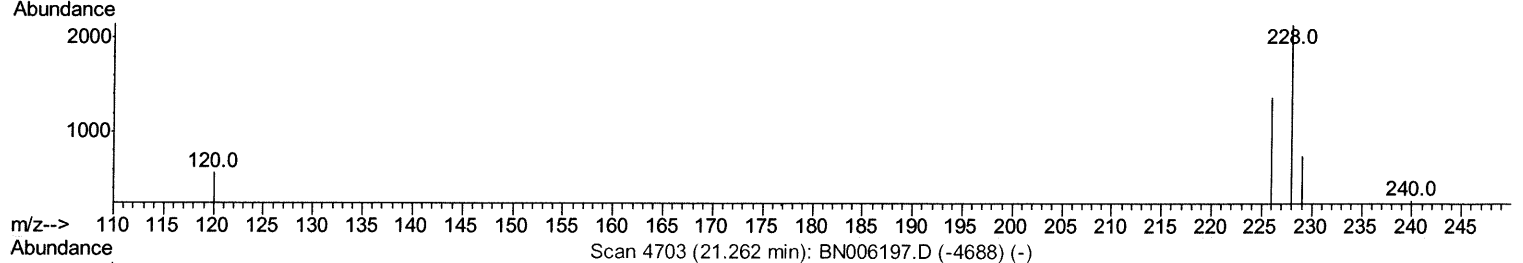
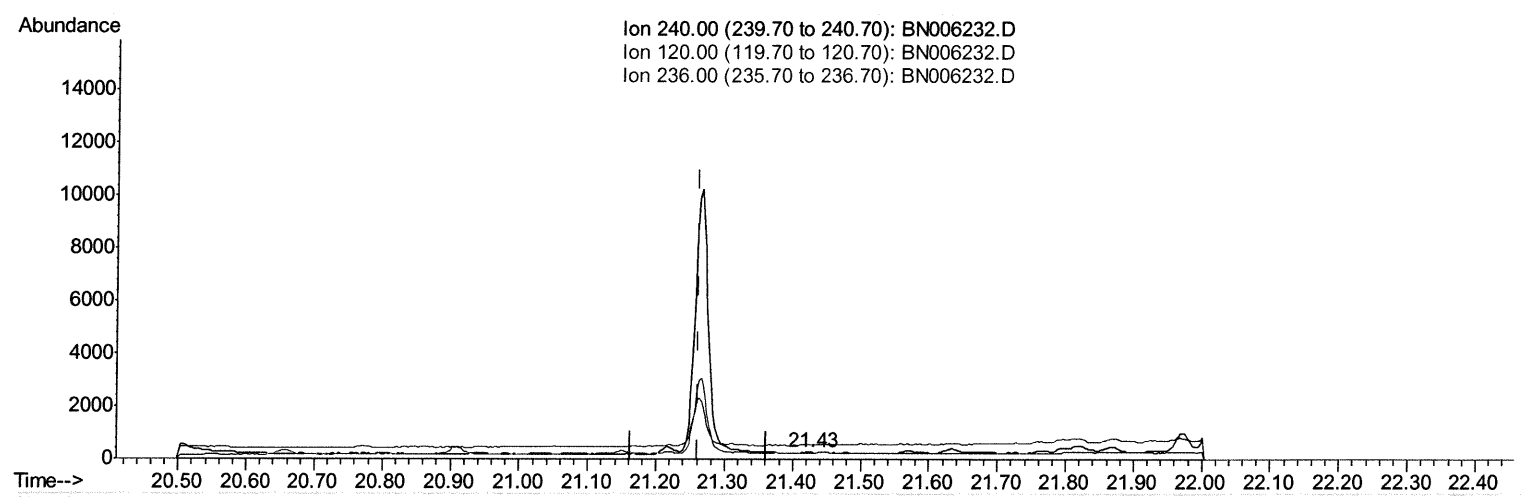
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.426min (+0.164) 0.40ng/ul

response 62

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	203.60#
236.00	30.10	87.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

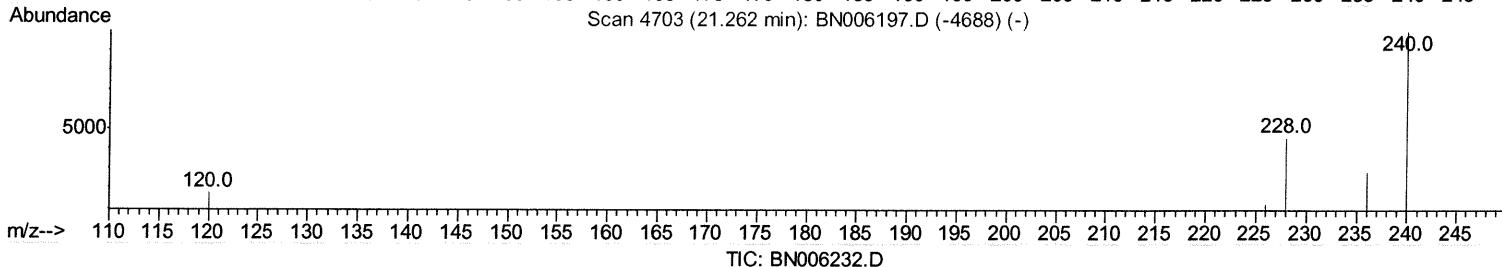
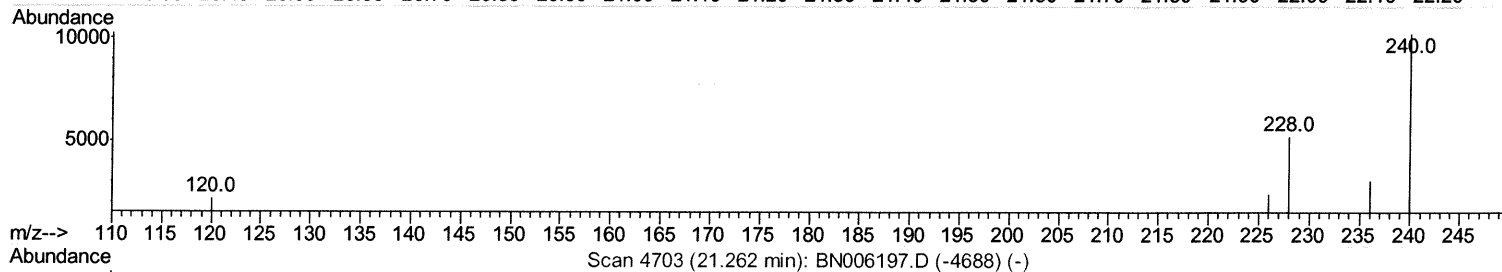
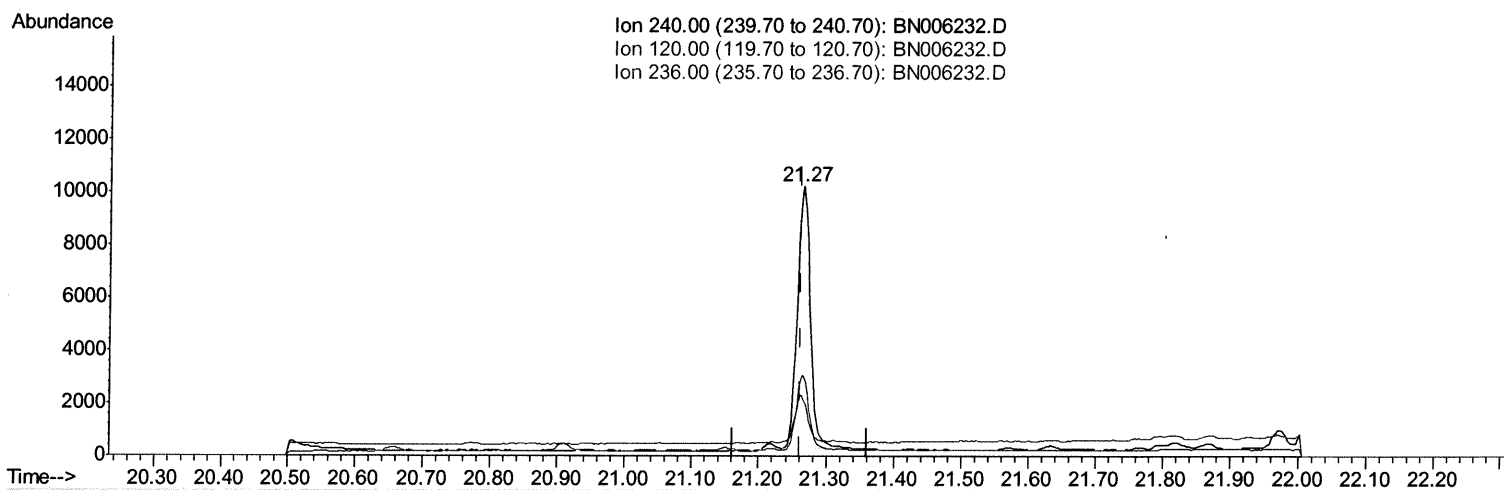
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:04:02 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.265min (+0.003) 0.40ng/ul m *JU 06/11/19*

response 13166

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	21.39
236.00	30.10	29.83
0.00	0.00	0.00

Quantitation Report (Qedit)

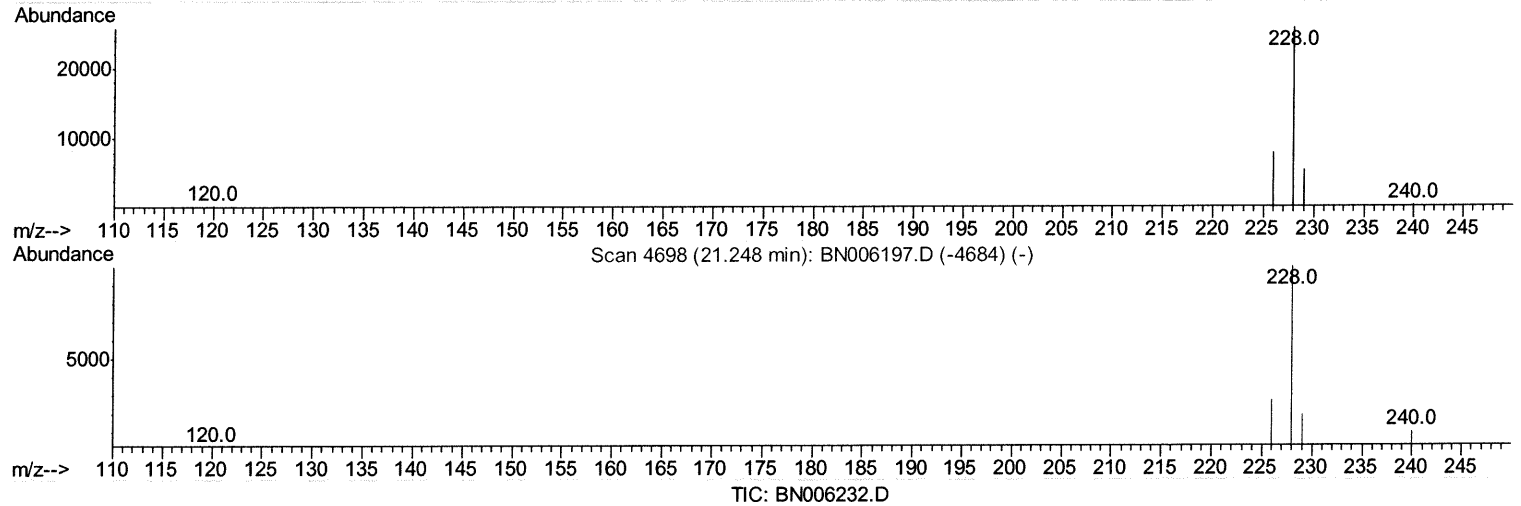
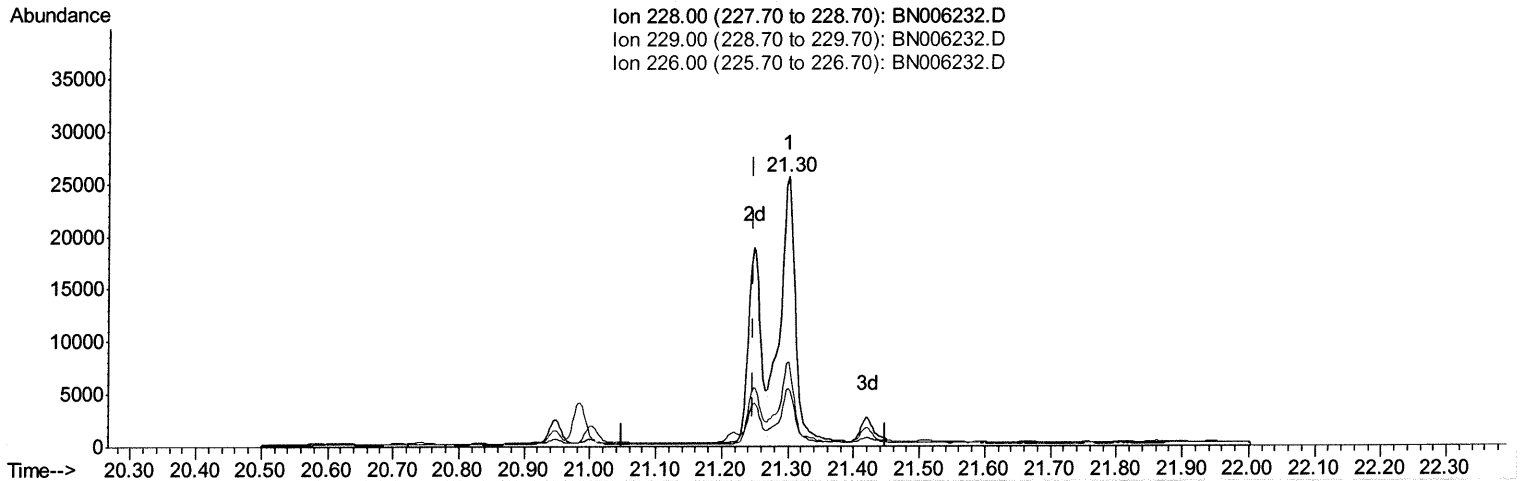
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.300min (+0.053) 0.71ng/ul

response 41252

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.53
226.00	28.50	31.17
0.00	0.00	0.00

Quantitation Report (Qedit)

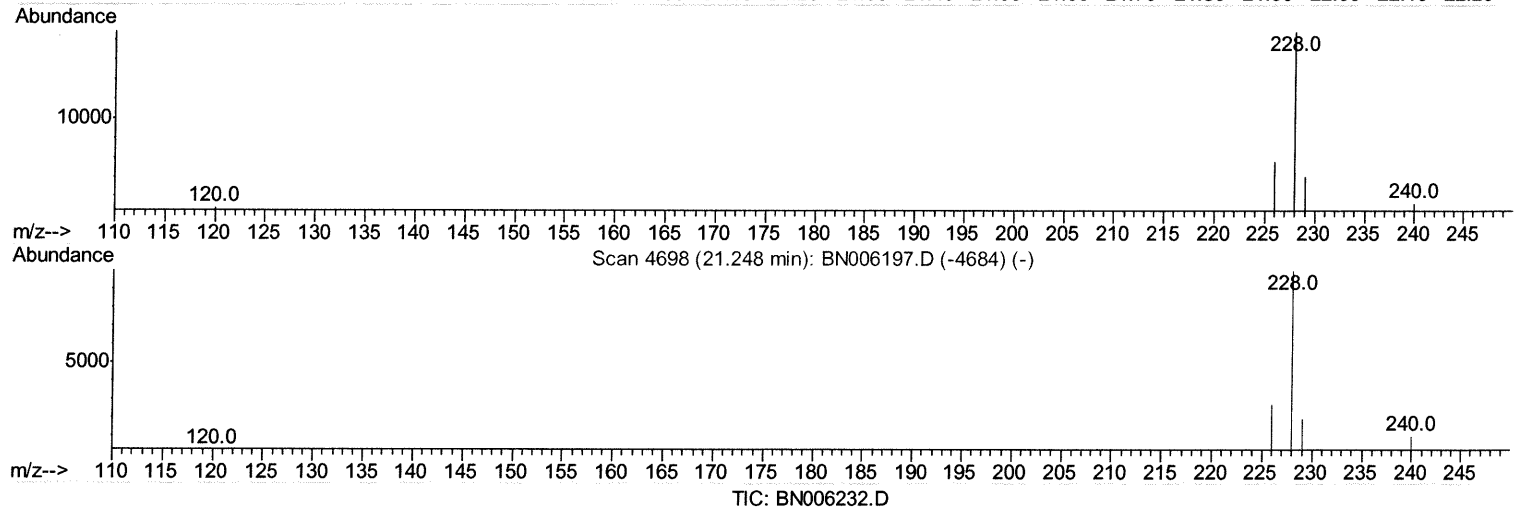
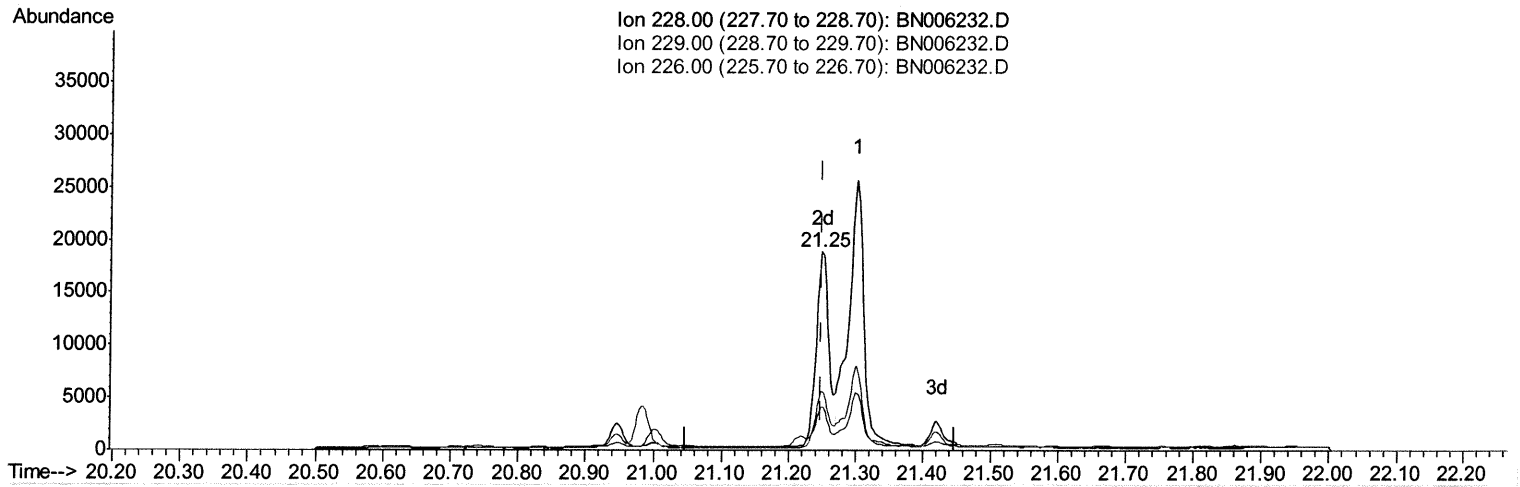
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.248min (-0.000) 0.43ng/ul m *JU* 06/11/19

response 24882

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.68
226.00	28.50	29.83
0.00	0.00	0.00

Quantitation Report (Qedit)

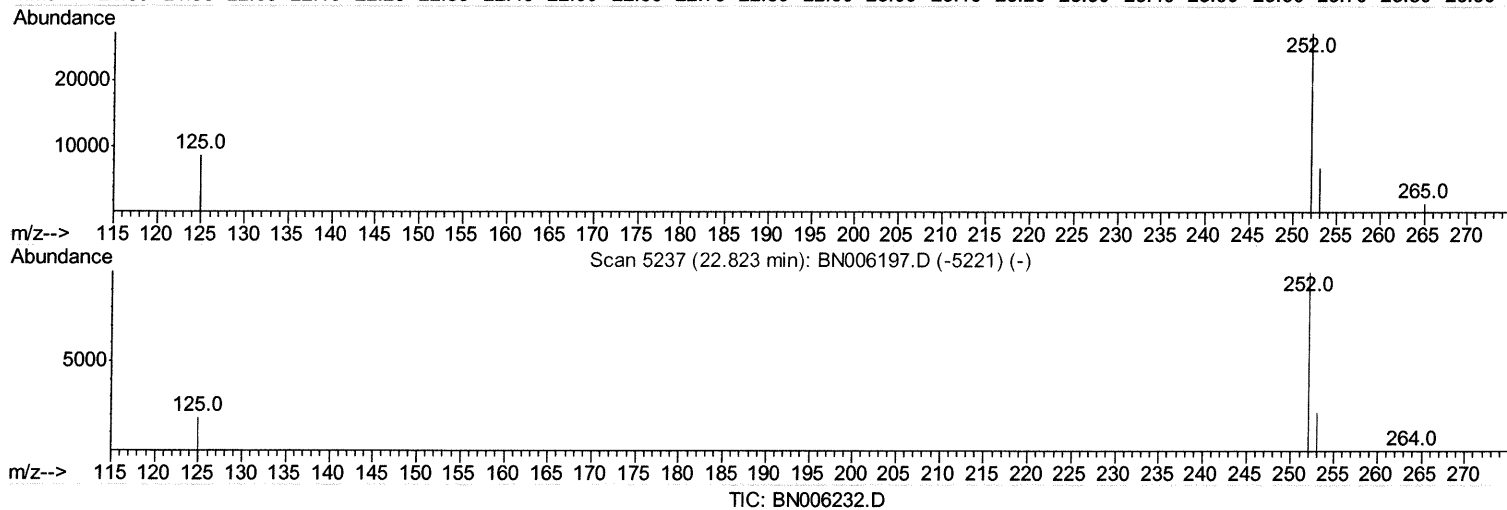
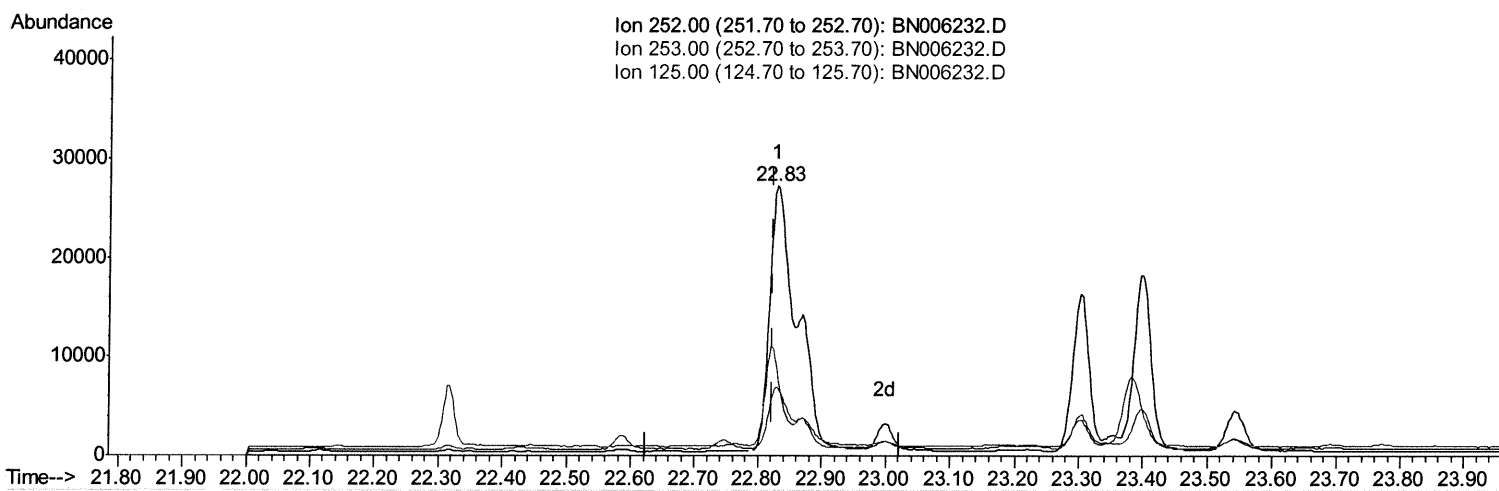
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006232.D
Acq On : 10 Jun 2019 20:36
Operator : JU/SJ
Sample : K3017-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E8

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.829min (+0.006) 1.05ng/ul

response 80008

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.34
125.00	20.50	32.46
0.00	0.00	0.00

Quantitation Report (Qedit)

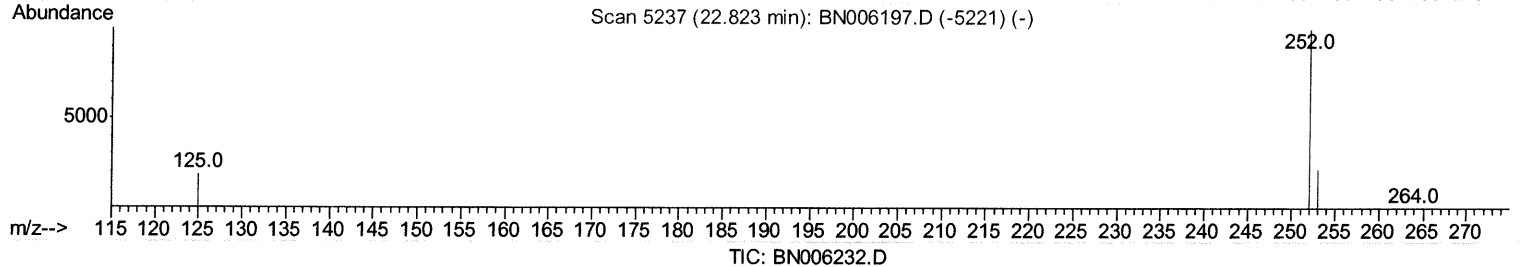
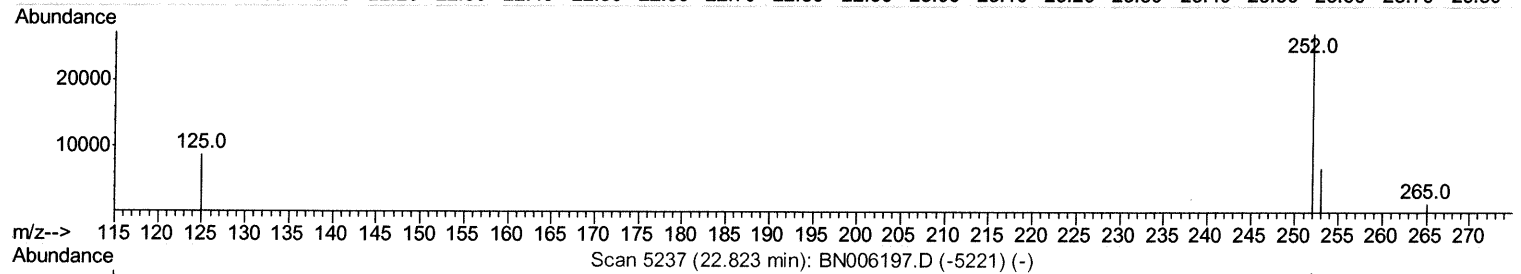
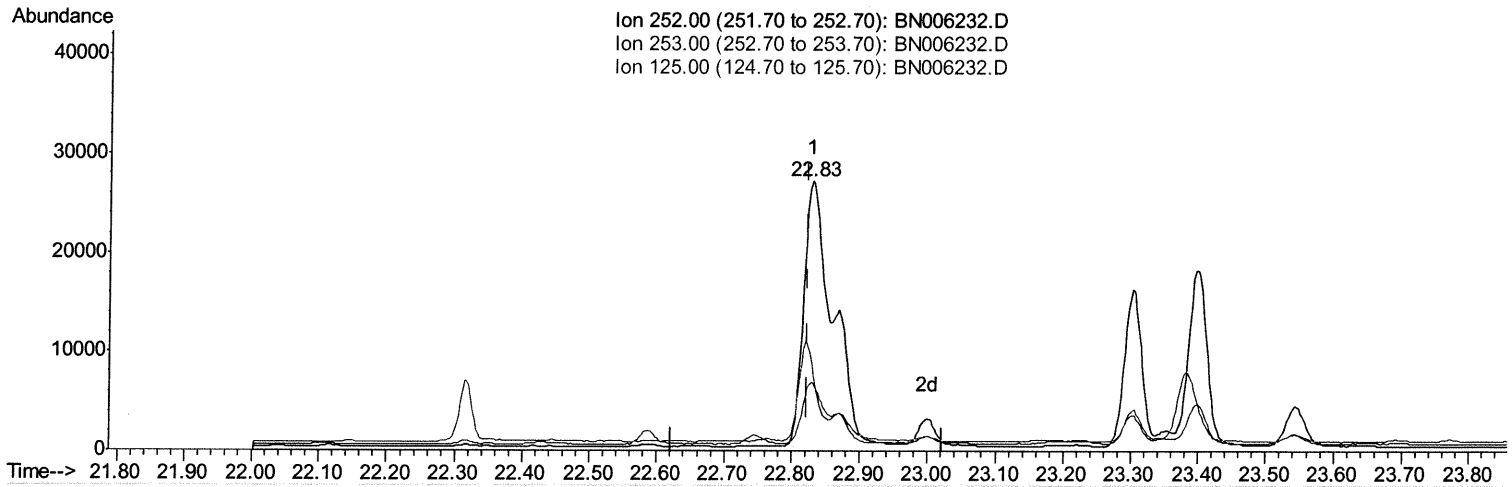
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.829min (+0.006) 0.76ng/ul m *JU 06/11/19*

response 57845

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.34
125.00	20.50	32.46
0.00	0.00	0.00

Quantitation Report (Qedit)

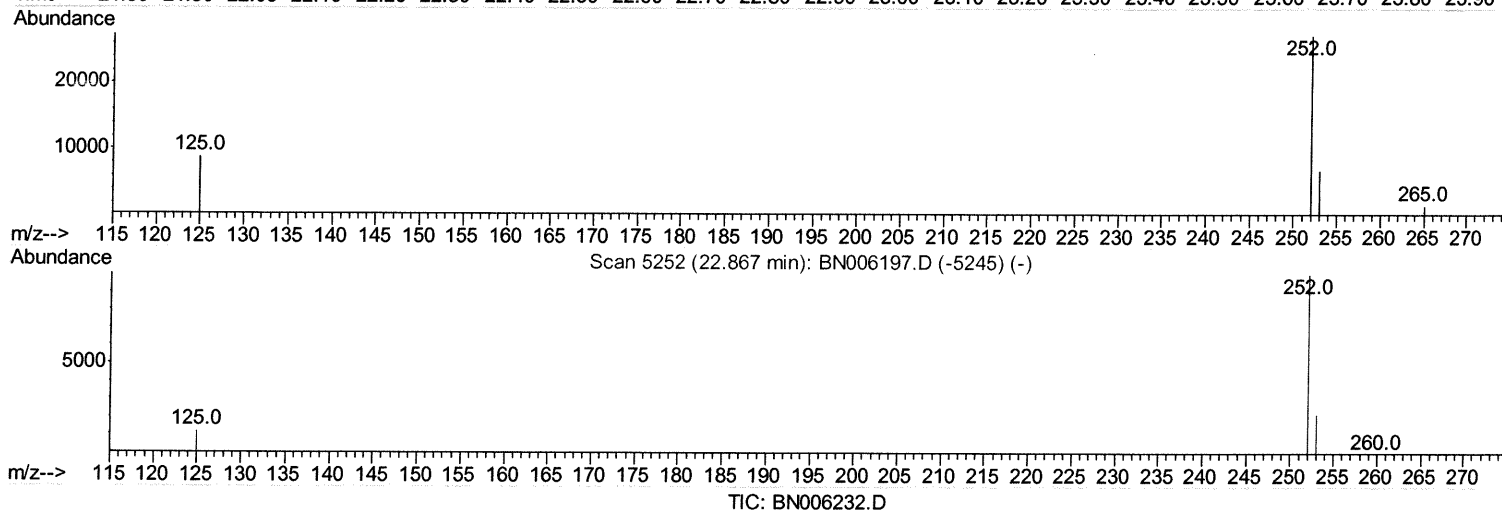
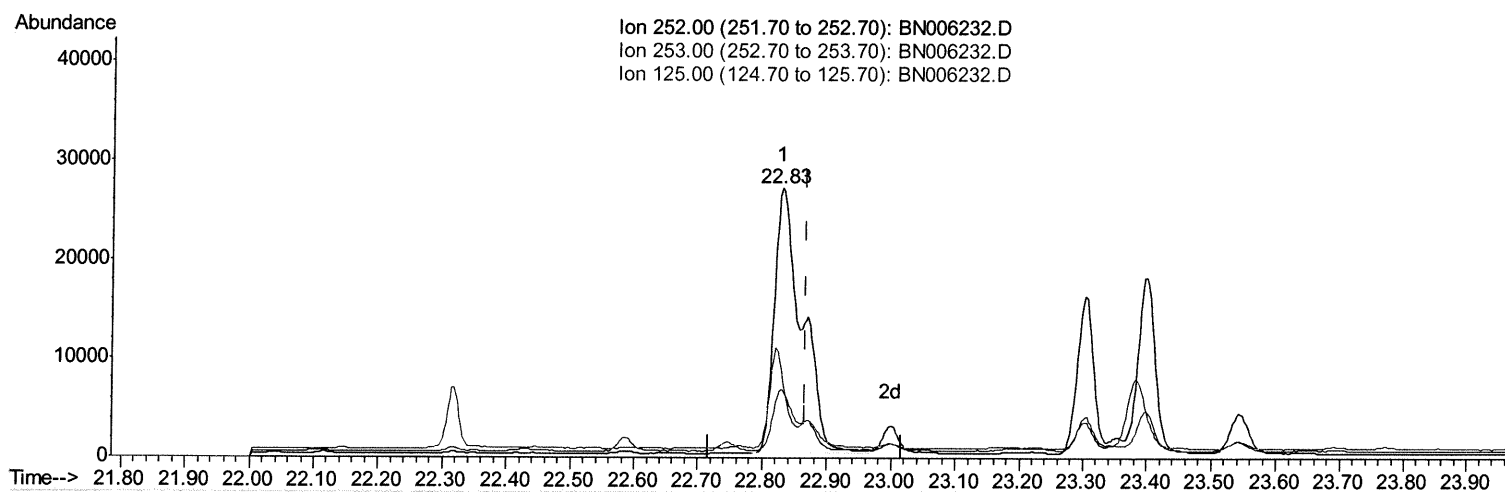
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006232.D
Acq On : 10 Jun 2019 20:36
Operator : JU/SJ
Sample : K3017-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E8

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.829min (-0.038) 1.08ng/ui

response 80008

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	25.34
125.00	17.90	32.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

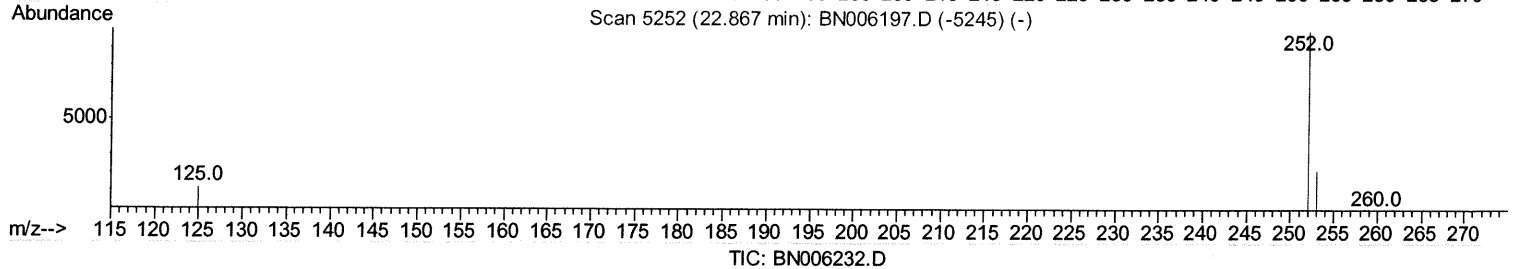
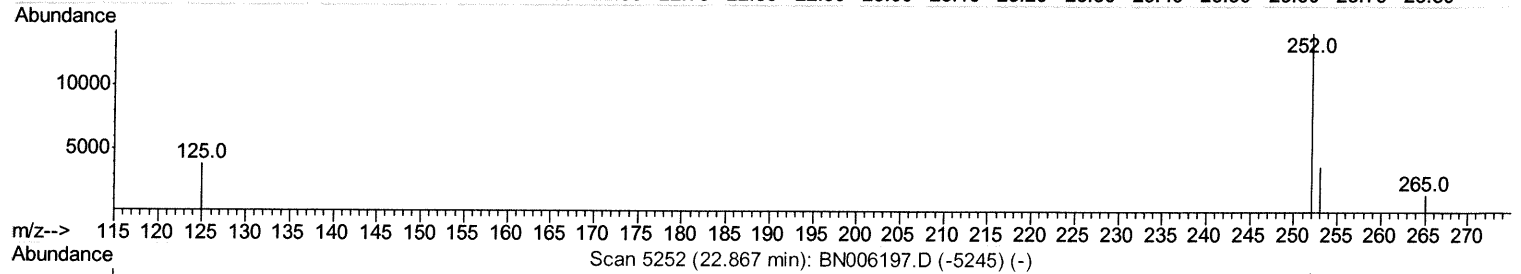
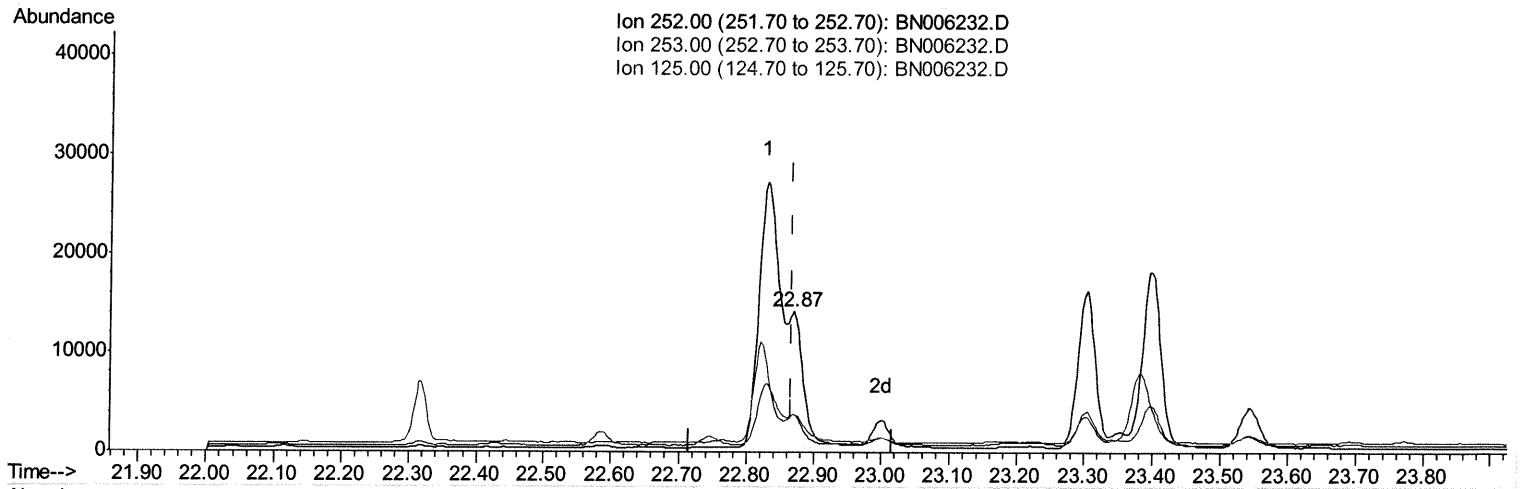
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:05:19 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.870min (+0.003) 0.30ng/ul m

response 22060

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	26.78
125.00	17.90	27.18#
0.00	0.00	0.00

JU
 06/11/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006232.D
 Acq On : 10 Jun 2019 20:36
 Operator : JU/SJ
 Sample : K3017-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E8

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:28:39 PM

Quant Time: Jun 11 02:06:43 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4105	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15792	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8173	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16691m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	13166m>	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	18236	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	4381	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	9656m>	0.22	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.01	152	1826	0.040	ng/ul#	87
12) Phenanthrene	17.09	178	25545	0.477	ng/ul	99
15) Fluoranthene	19.12	202	86731m>	1.466	ng/ul	
17) Pyrene	19.49	202	70804	1.021	ng/ul	100
18) Benzo(a)anthracene	21.25	228	24882m>	0.427	ng/ul	
19) Chrysene	21.30	228	40405	0.739	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	57845m>	0.761	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	22060m>	0.298	ng/ul	
23) Benzo(a)pyrene	23.40	252	34056	0.481	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.73	276	29144	0.380	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.73	278	6044	0.099	ng/ul#	71
26) Benzo(g,h,i)perylene	26.41	276	27896	0.434	ng/ul	99

JU 06/11/19

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