

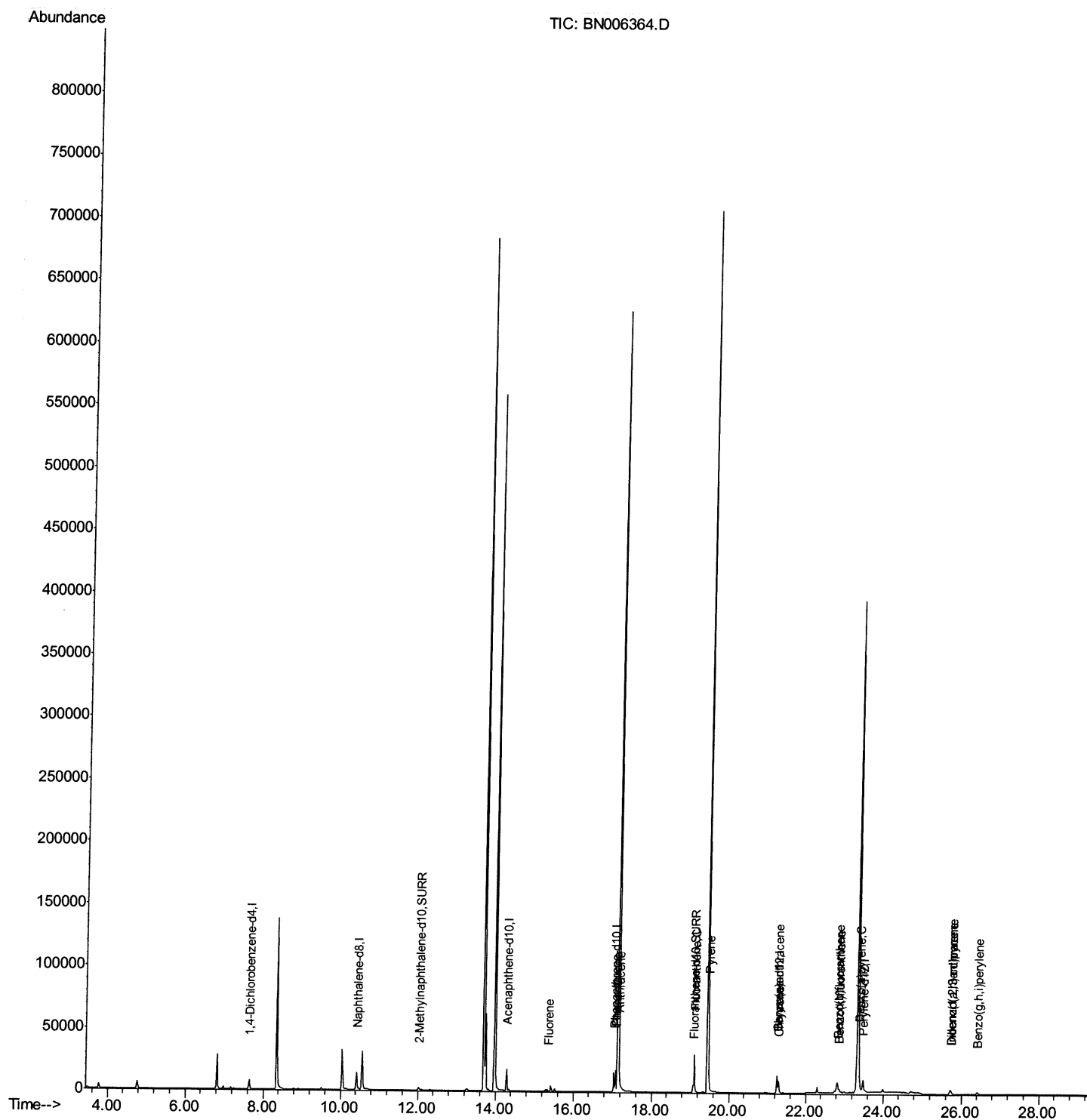
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File : BN006364.D
Acq On : 18 Jun 2019 00:28
Operator : JU/SJ
Sample : K3335-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41X1

Manual Integrations
APPROVED

mohammad
6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:36:17 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

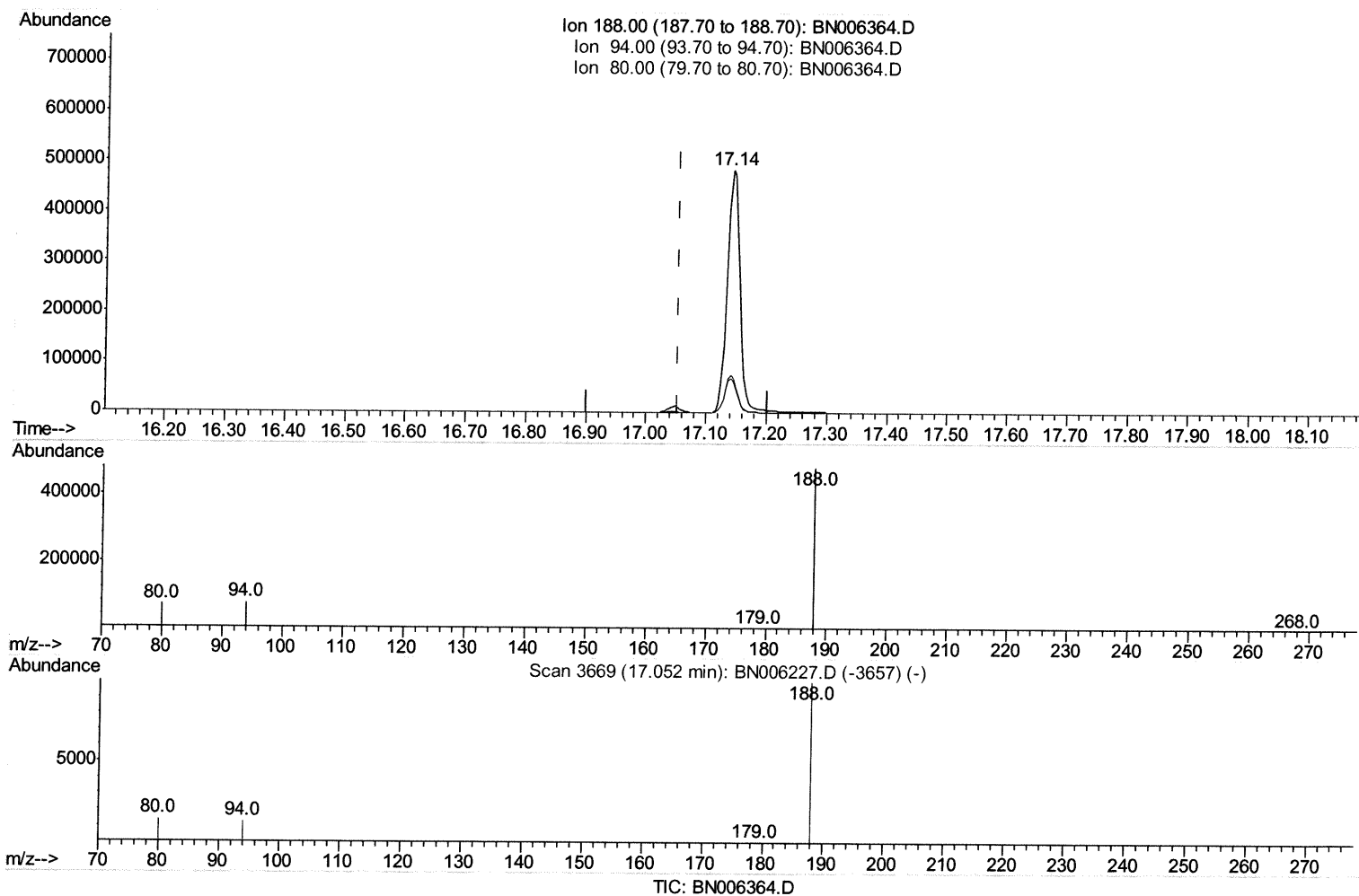
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 01:52:27 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.141min (+0.089) 0.40ng/ul

response 701697

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.44
80.00	13.60	14.25
0.00	0.00	0.00

Quantitation Report (Qedit)

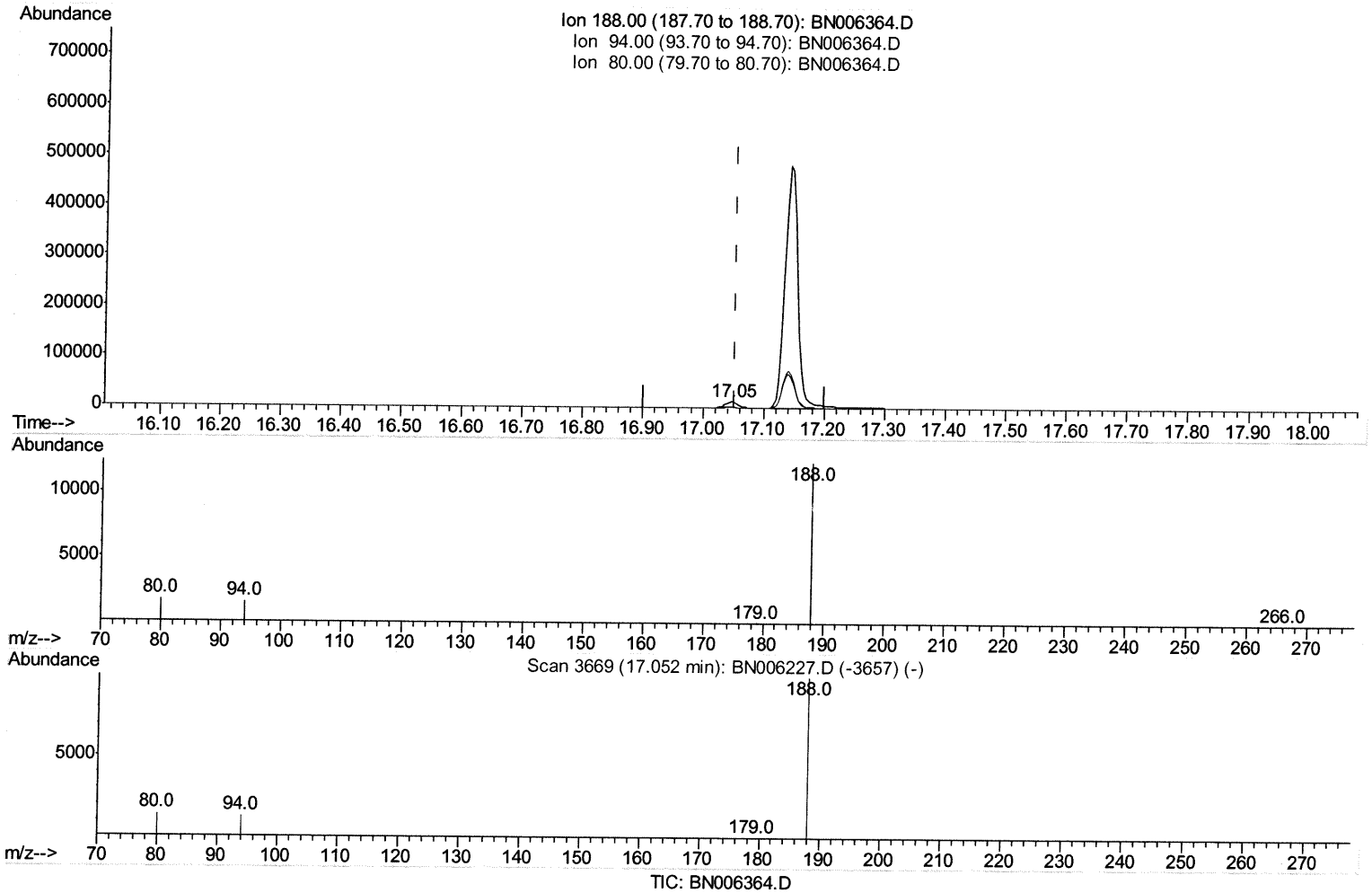
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 01:52:27 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m

JU
 06/18/19

response 17946

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	12.76
80.00	13.60	14.14
0.00	0.00	0.00

Quantitation Report (Qedit)

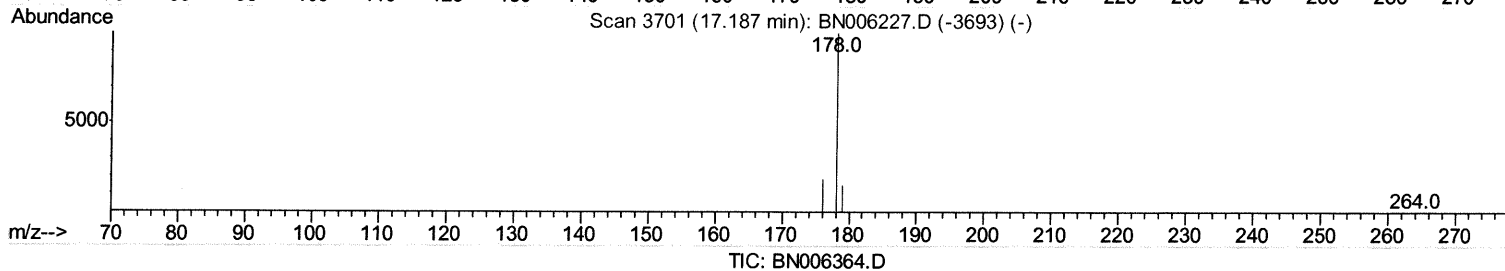
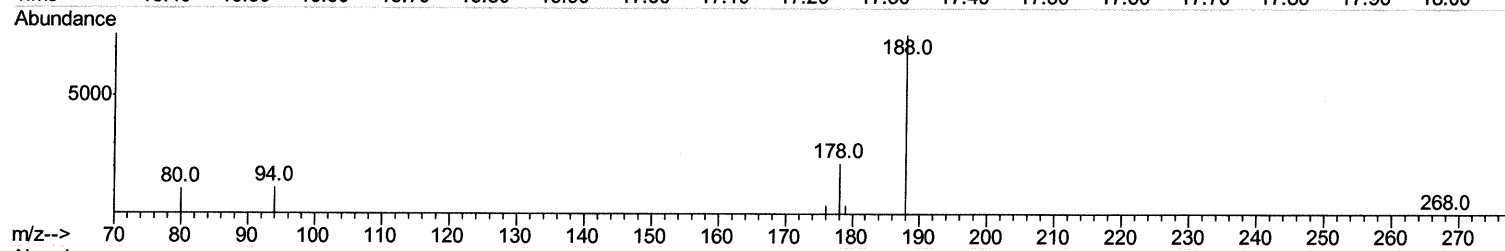
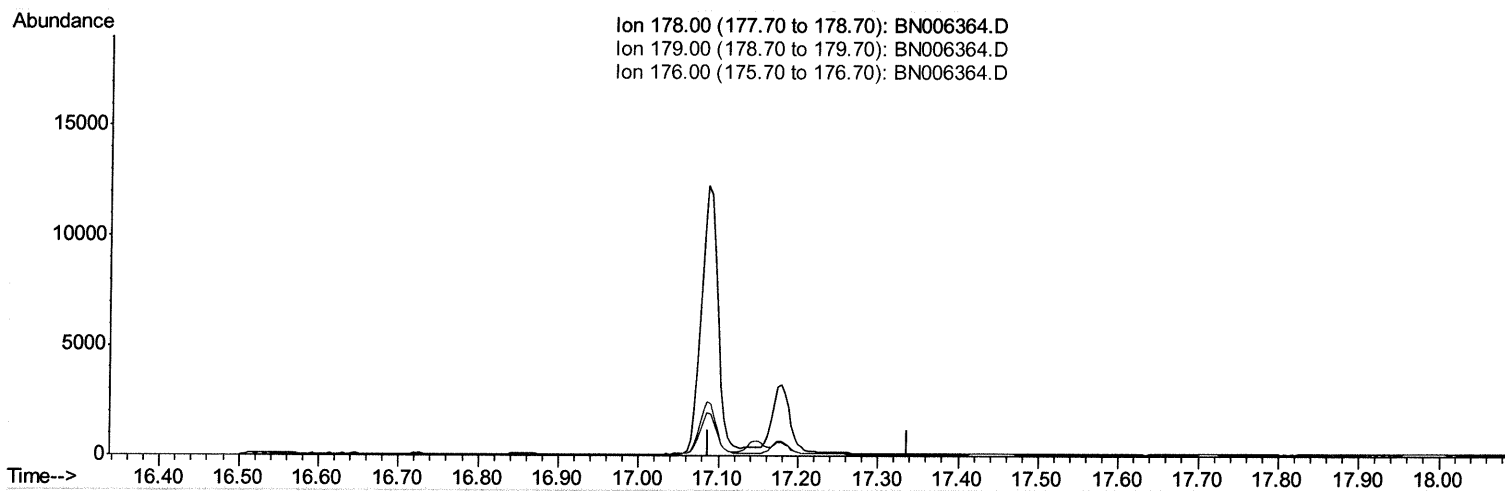
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(13) Anthracene

17.187min (-17.187) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.30	0.00#
176.00	18.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

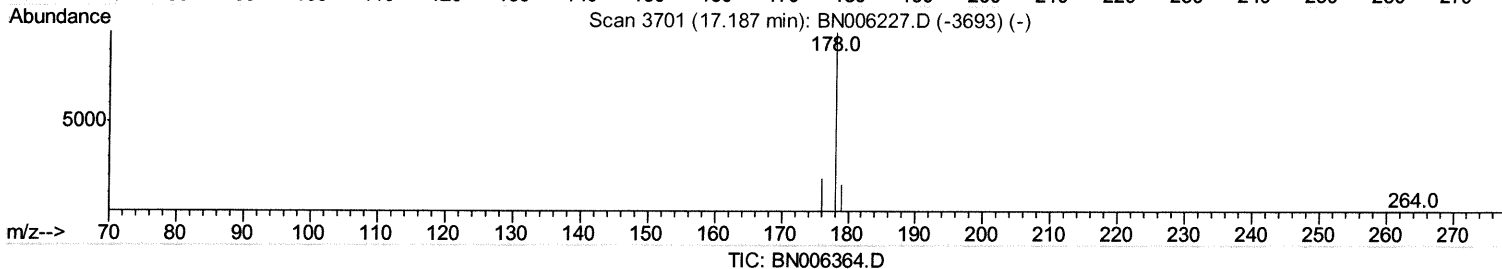
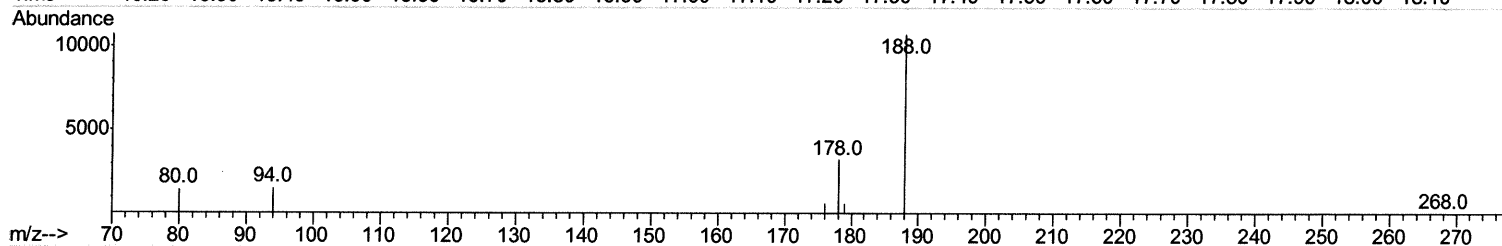
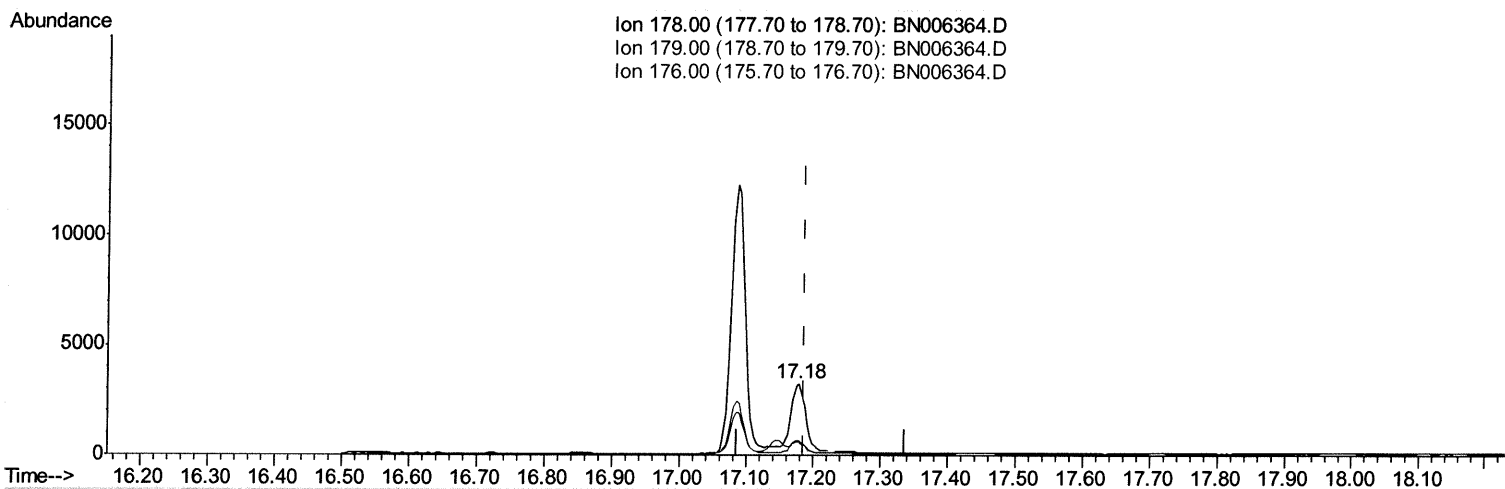
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(13) Anthracene

17.179min (-0.008) 0.09ng/ul m

JU
 06/18/19

response 4713

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	18.64#
176.00	18.90	20.52
0.00	0.00	0.00

Quantitation Report (Qedit)

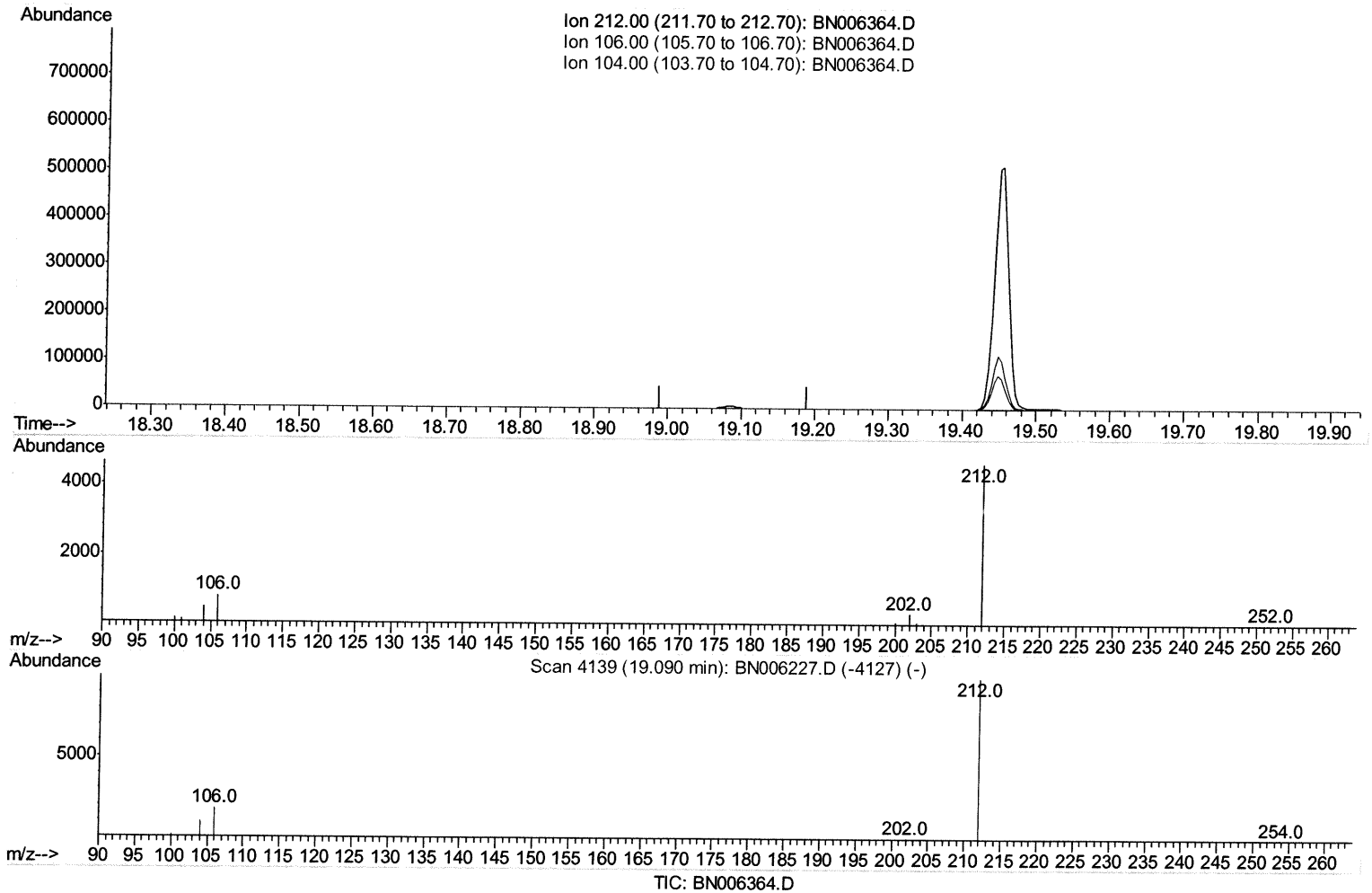
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 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)

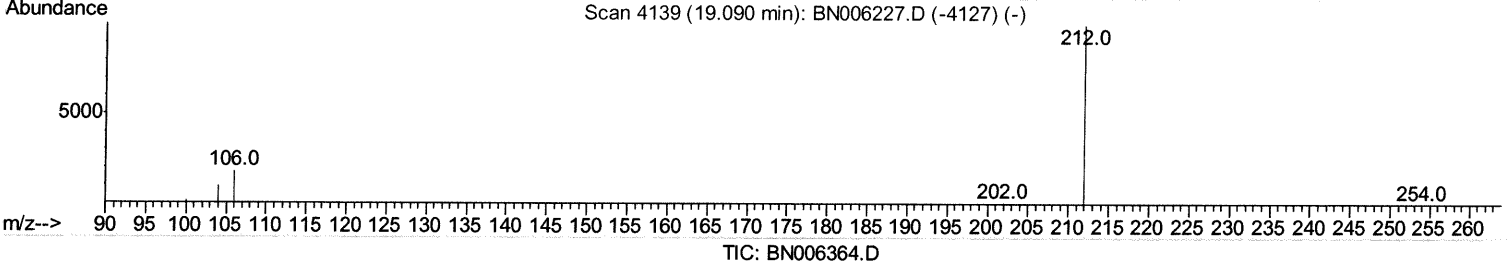
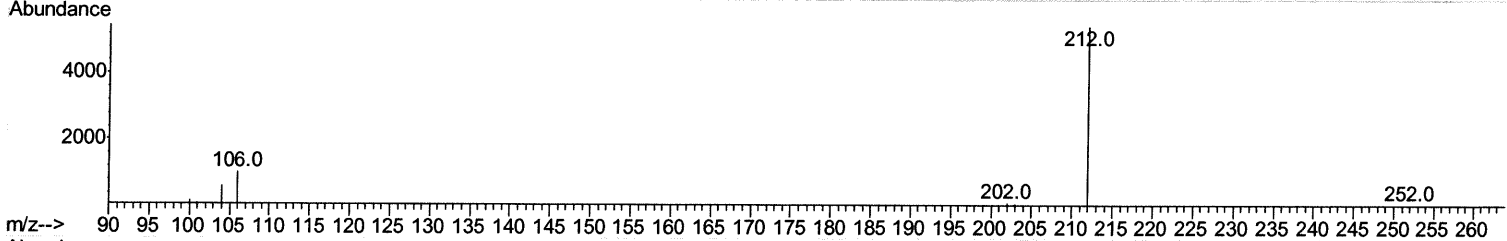
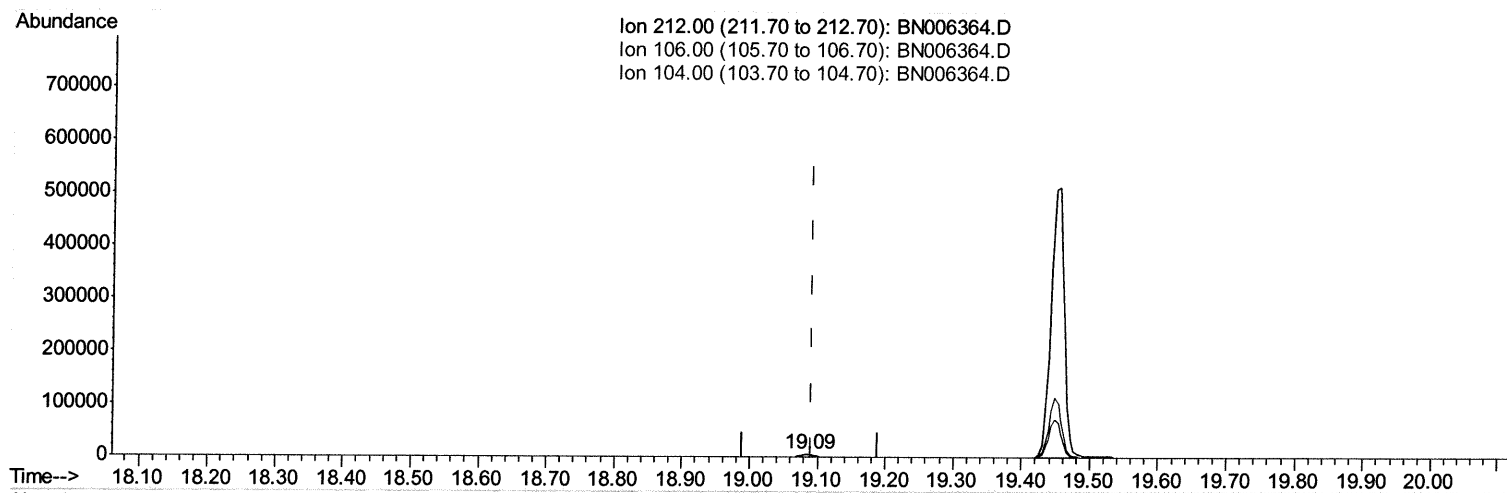
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.085min (-0.005) 0.15ng/ul m

JU
 06/18/19

response 7128

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)

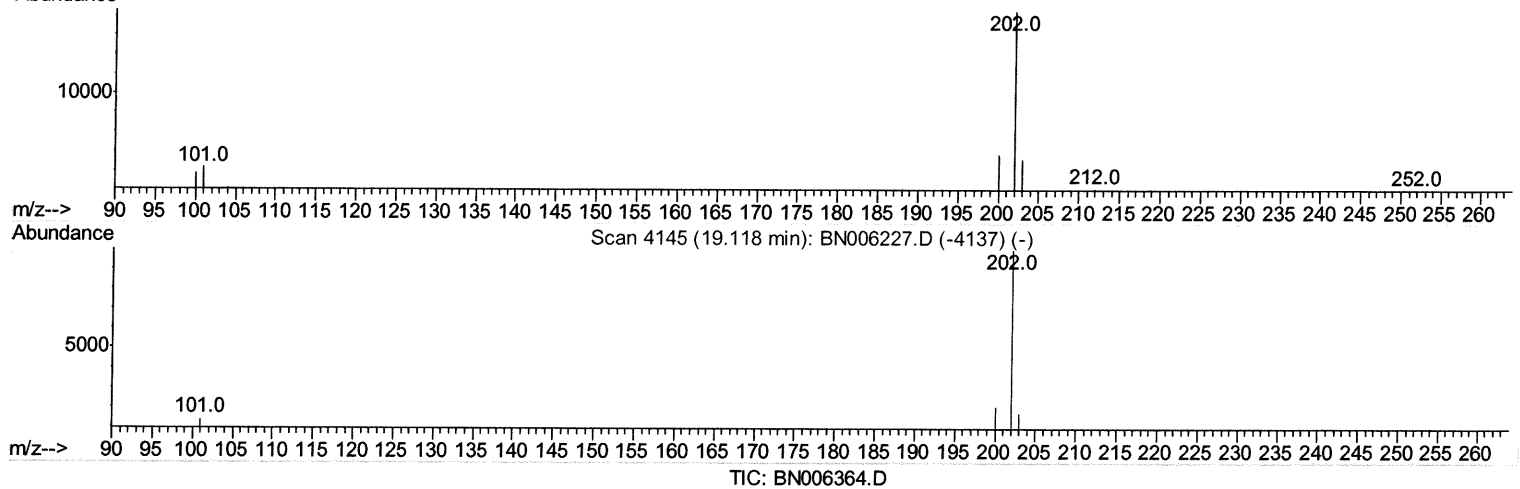
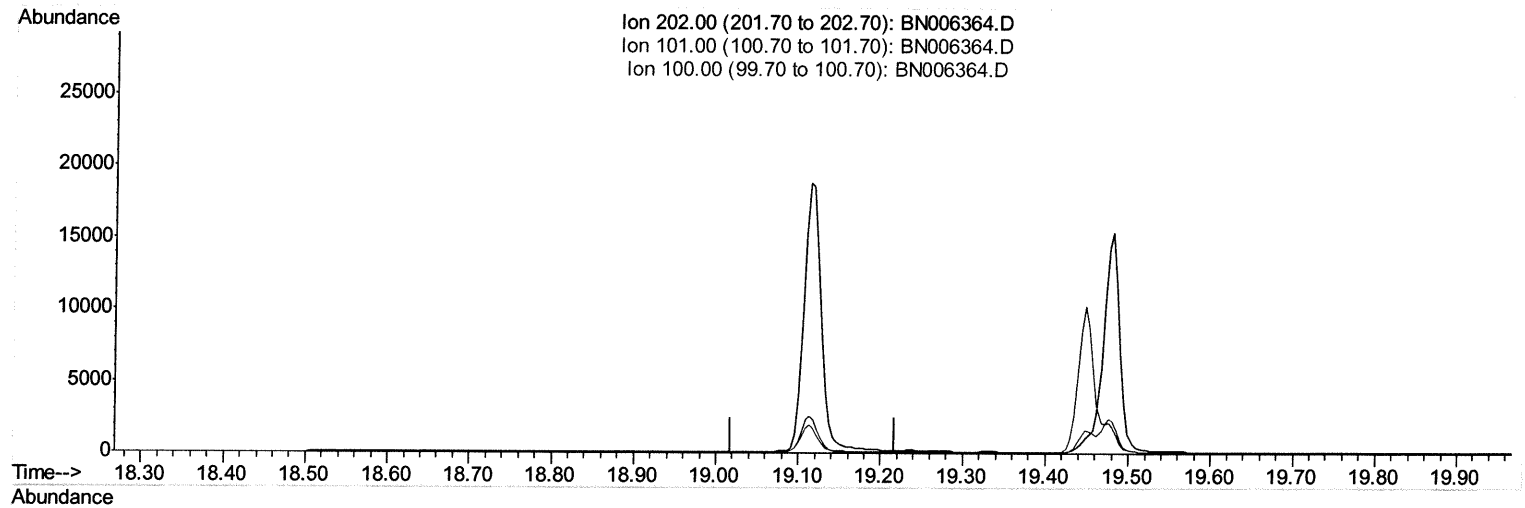
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 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)

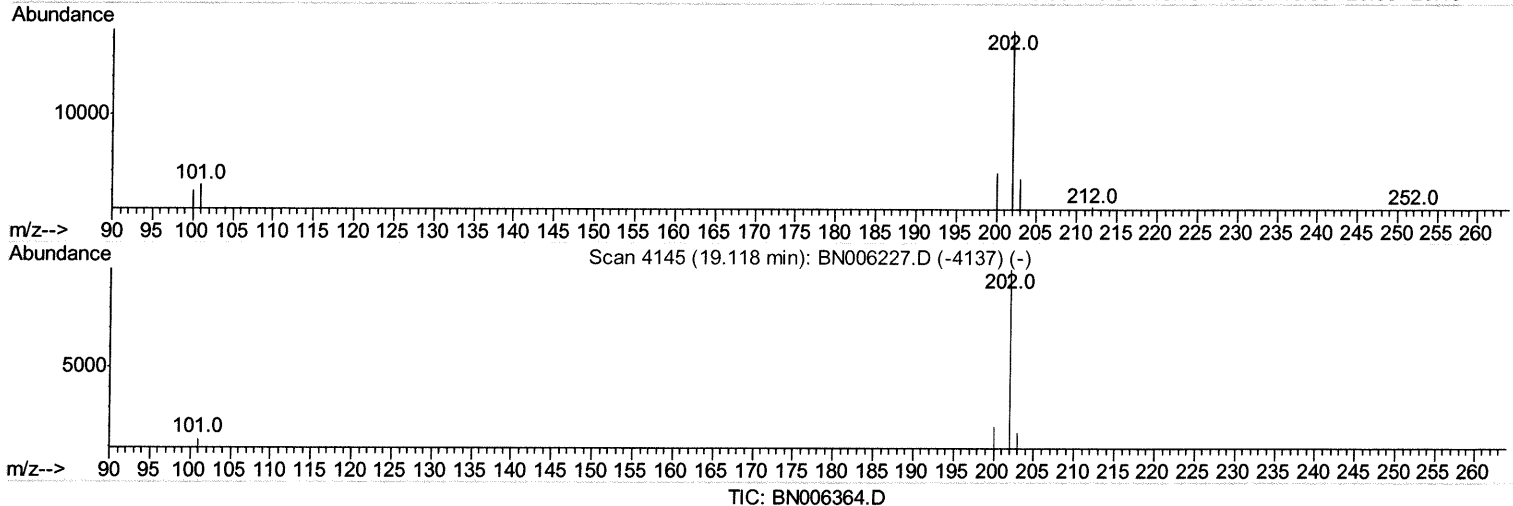
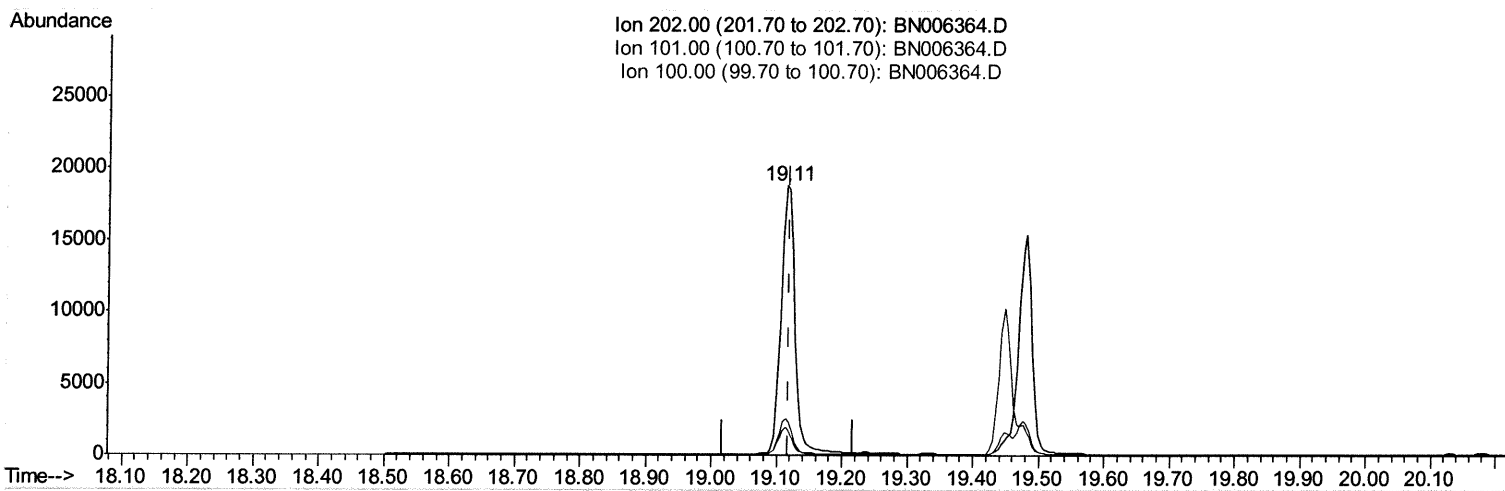
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.113min (-0.005) 0.44ng/ul m

response 27985

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.87
100.00	8.70	10.31
0.00	0.00	0.00

Quantitation Report (Qedit)

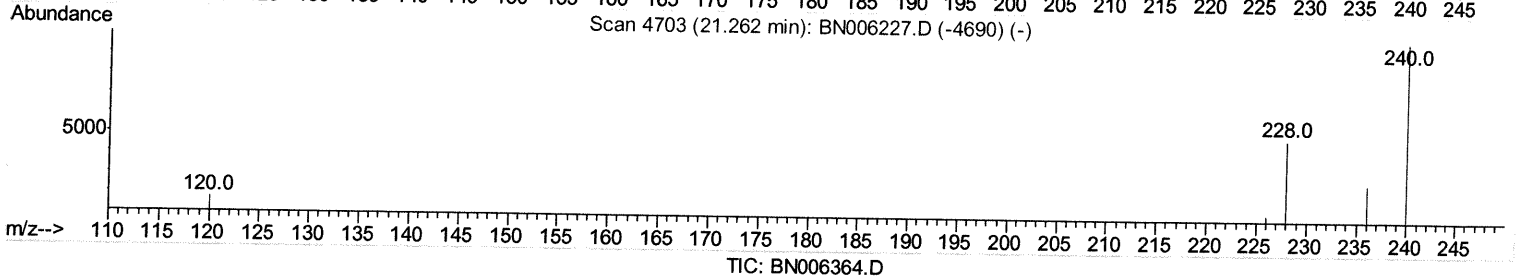
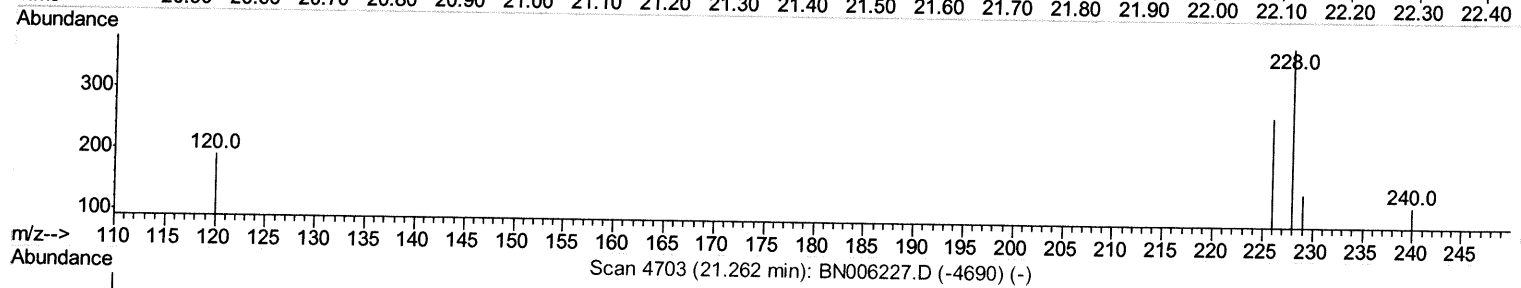
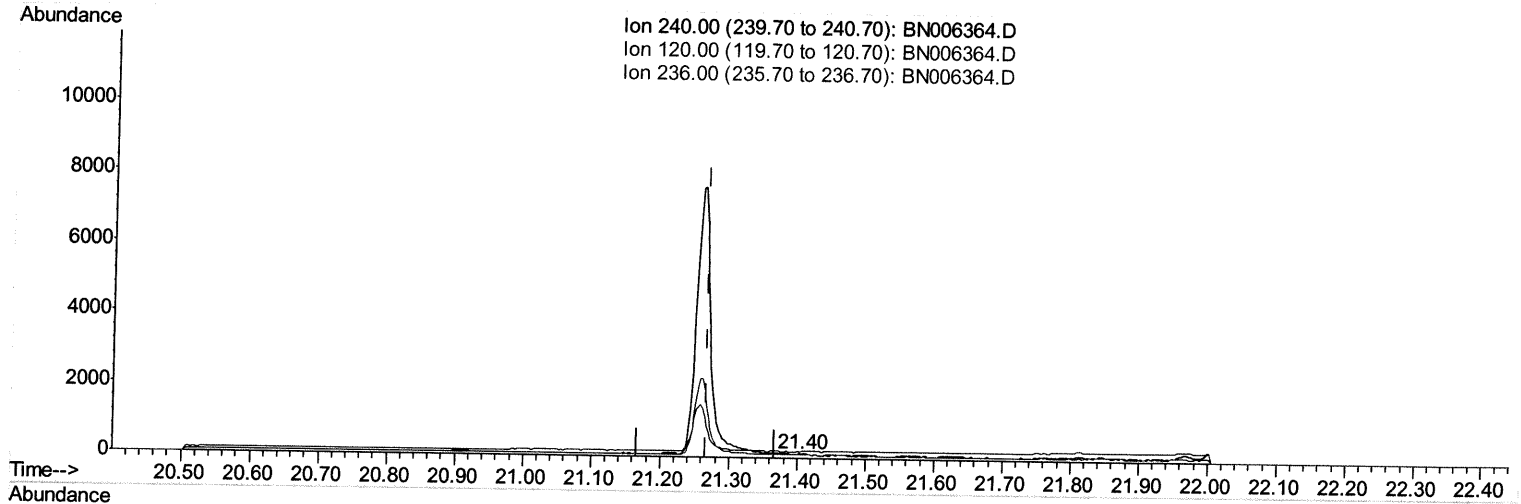
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File : BN006364.D
Acq On : 18 Jun 2019 00:28
Operator : JU/SJ
Sample : K3335-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41X1

Manual Integrations
APPROVED

mohammad
6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.404min (+0.136) 0.40ng/ul

response 40

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	153.23#
236.00	30.10	72.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

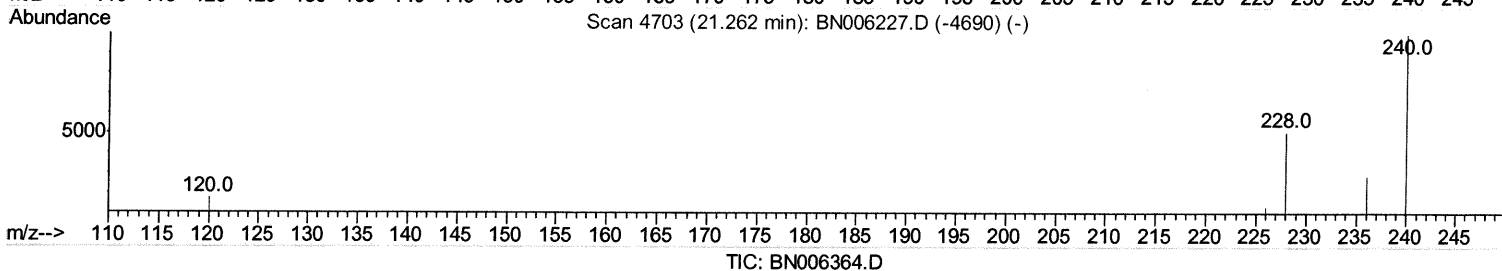
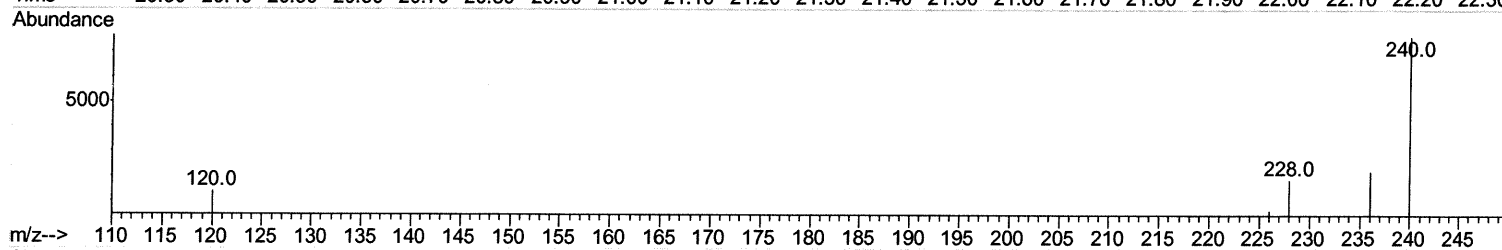
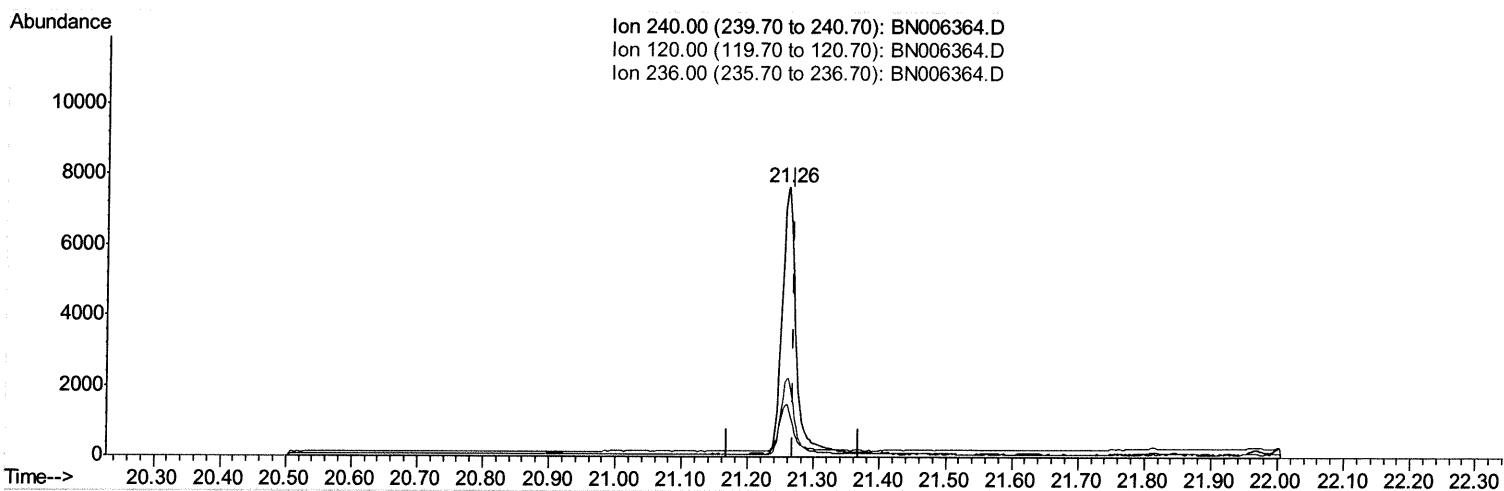
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:32:46 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.261min (-0.007) 0.40ng/ul m

JU
 06/18/19

response 11010

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	18.00
236.00	30.10	29.24
0.00	0.00	0.00

Quantitation Report (Qedit)

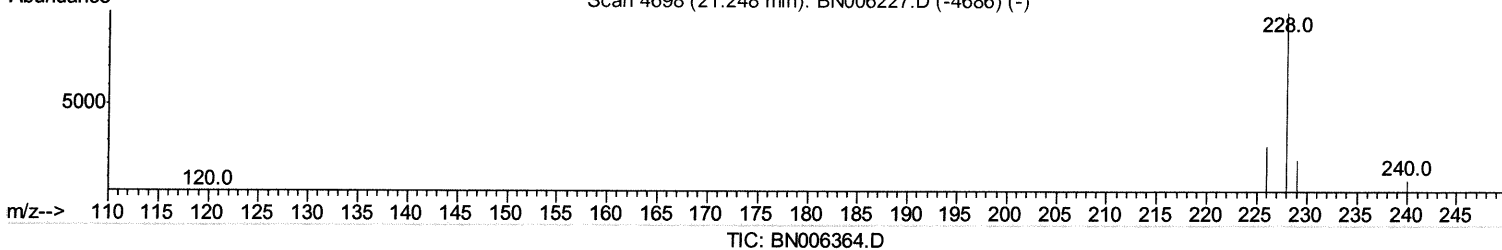
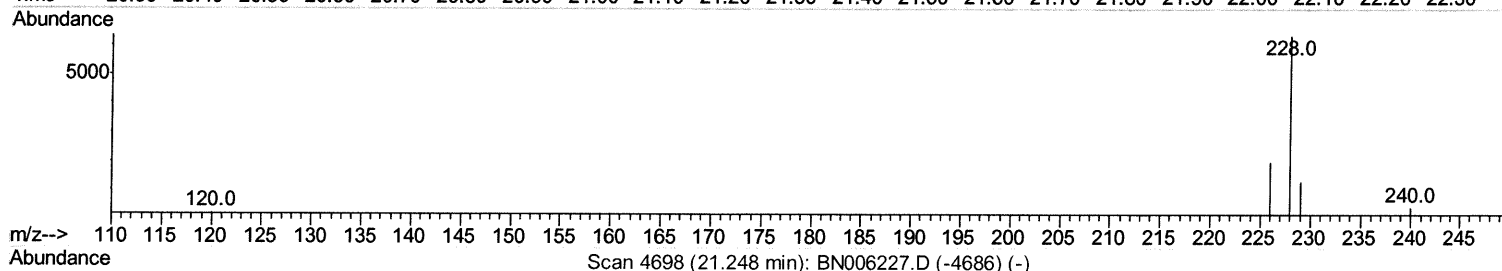
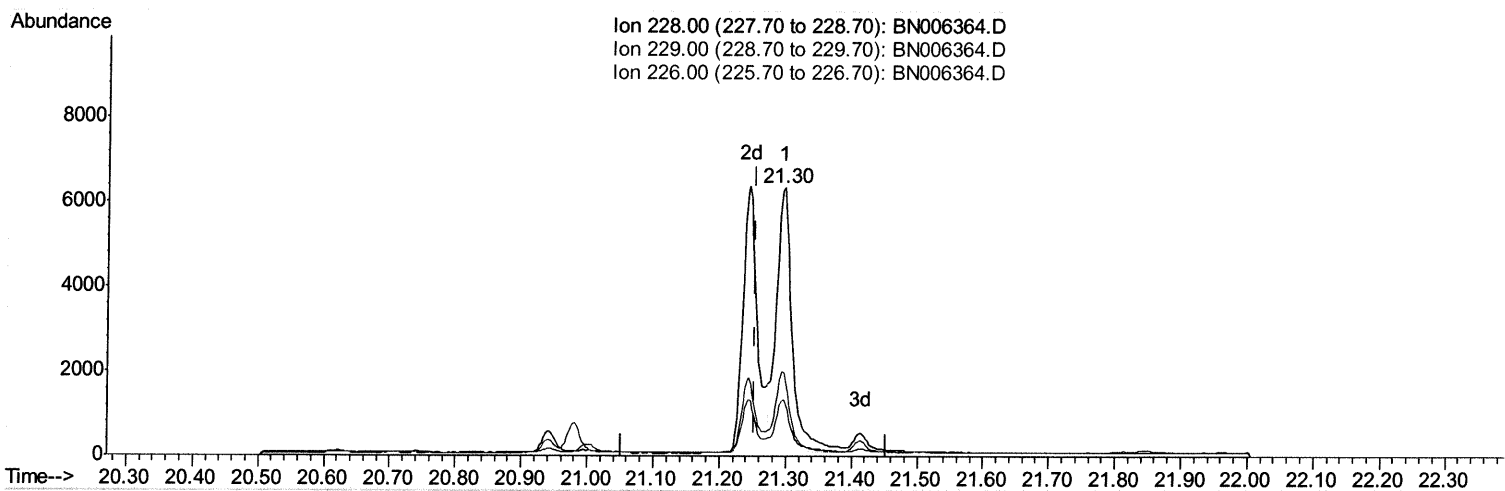
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.296min (+0.043) 0.22ng/ul

response 10727

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	20.95
226.00	28.50	31.19
0.00	0.00	0.00

Quantitation Report (Qedit)

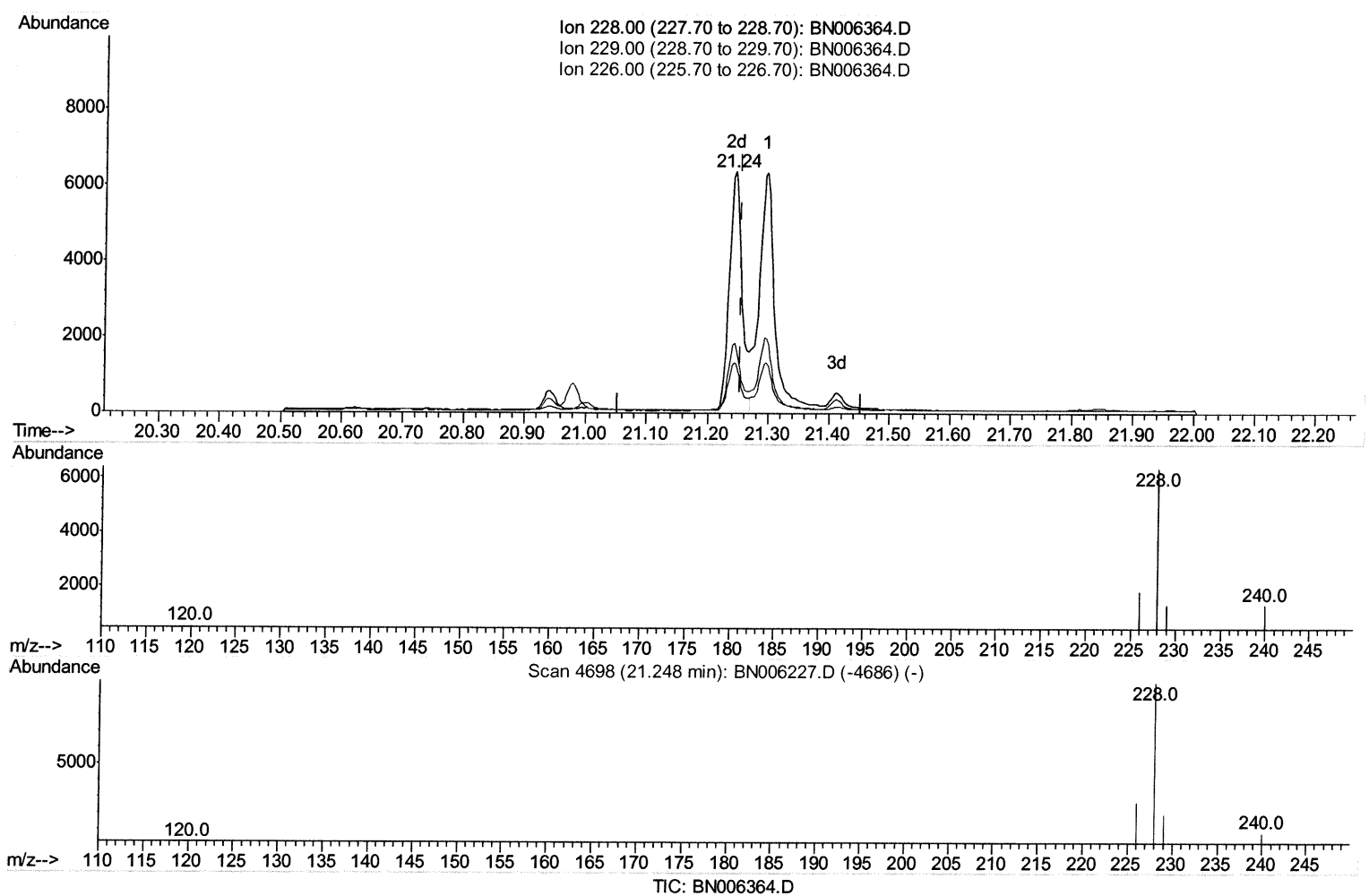
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.244min (-0.010) 0.20ng/ul m *JU*
06/18/19

response 9521

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	21.15
226.00	28.50	28.93
0.00	0.00	0.00

Quantitation Report (Qedit)

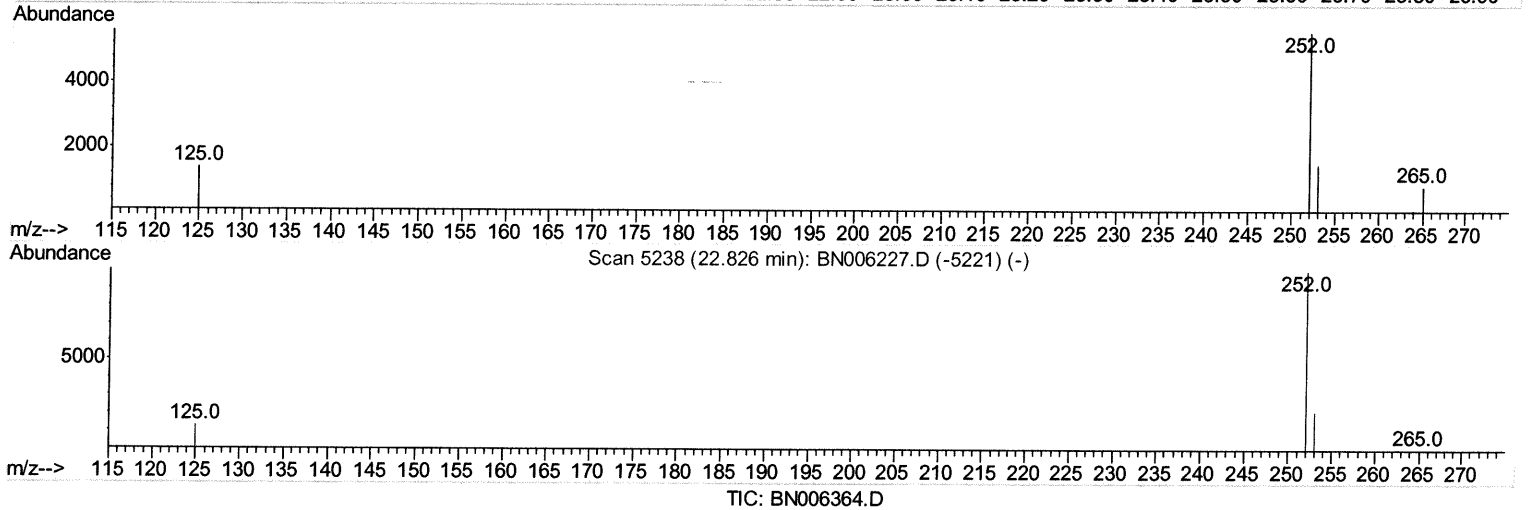
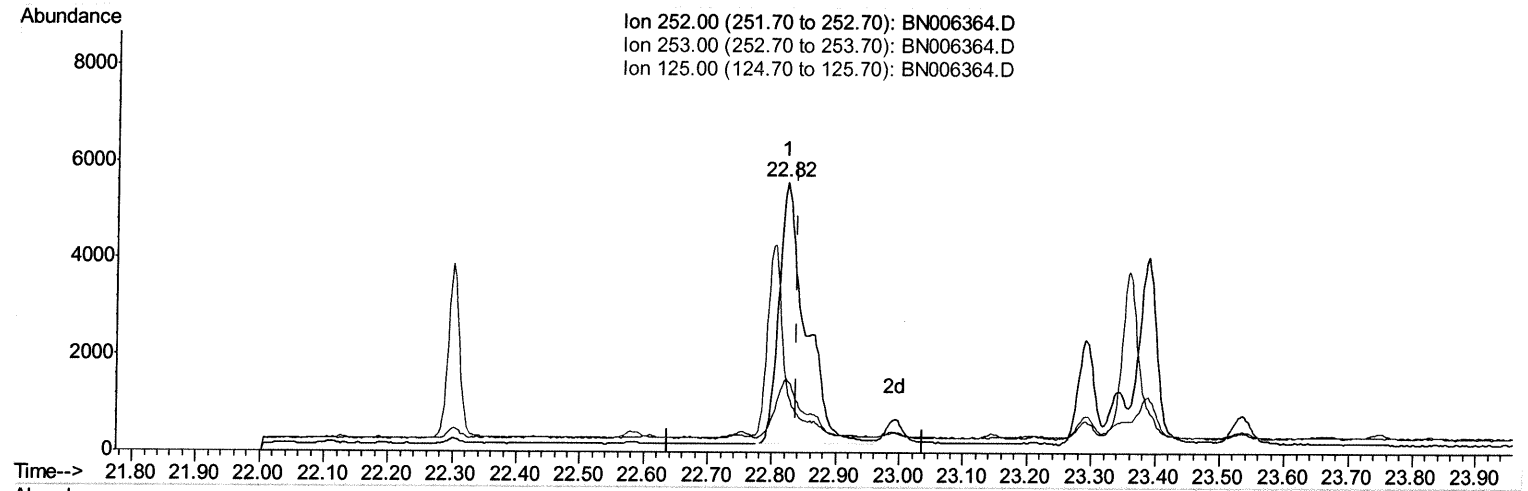
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.822min (-0.016) 0.22ng/ul
 response 15833

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	27.21
125.00	20.50	24.90
0.00	0.00	0.00

Quantitation Report (Qedit)

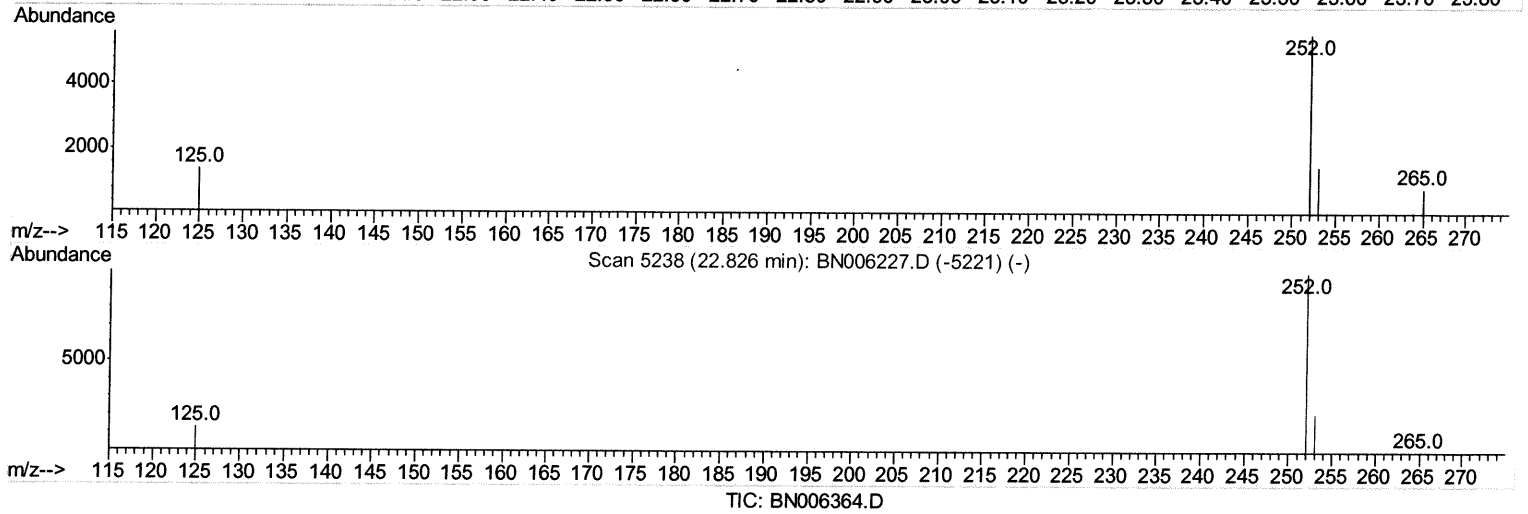
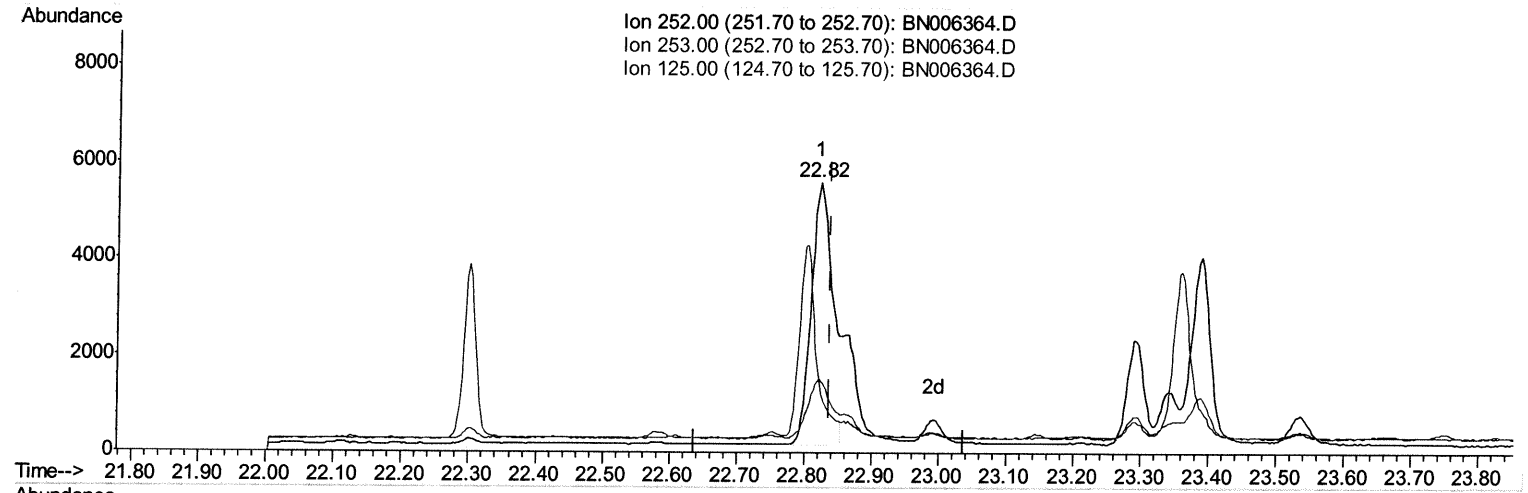
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.822min (-0.016) 0.17ng/ul m *Ju*
06/18/19

response 12076

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	27.21
125.00	20.50	24.90
0.00	0.00	0.00

Quantitation Report (Qedit)

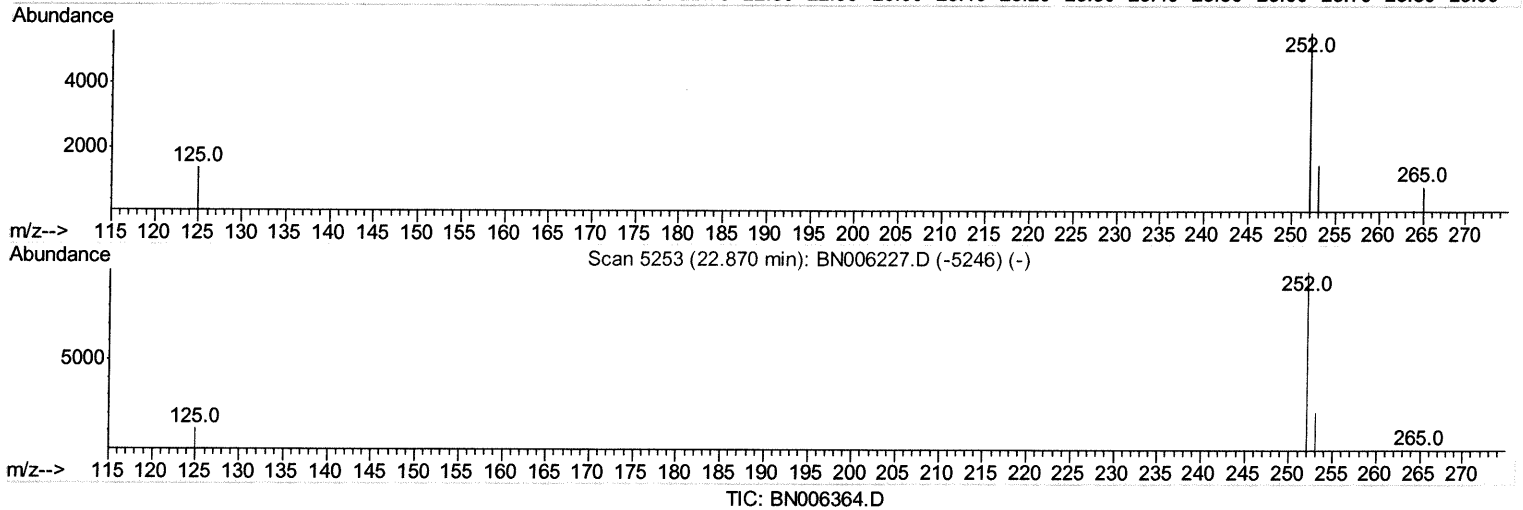
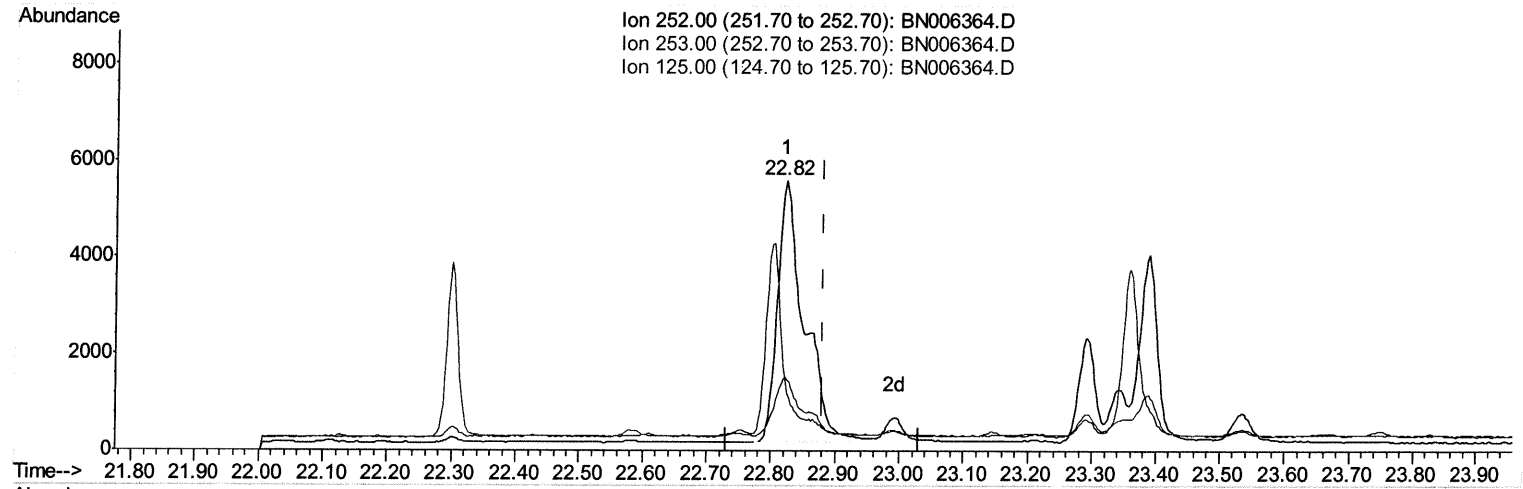
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.822min (-0.060) 0.23ng/ul

response 15833

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	27.21
125.00	17.90	24.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

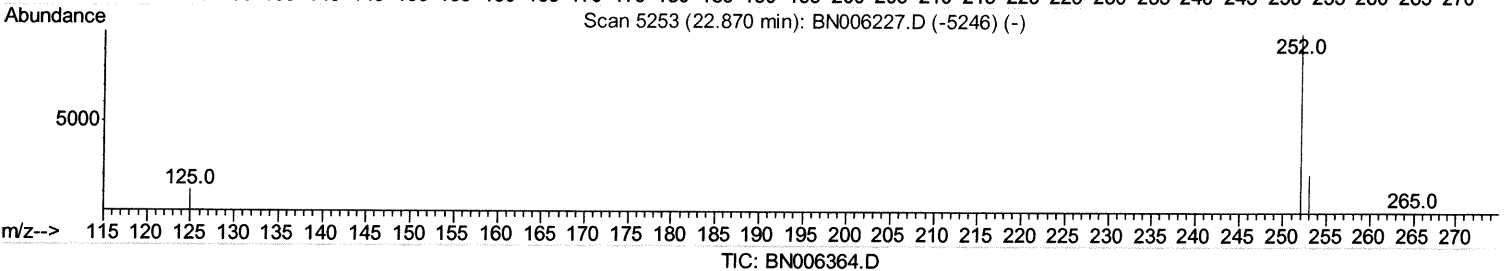
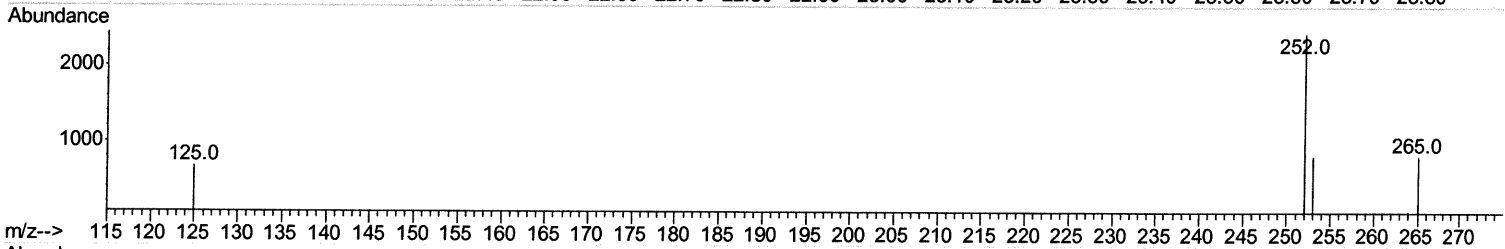
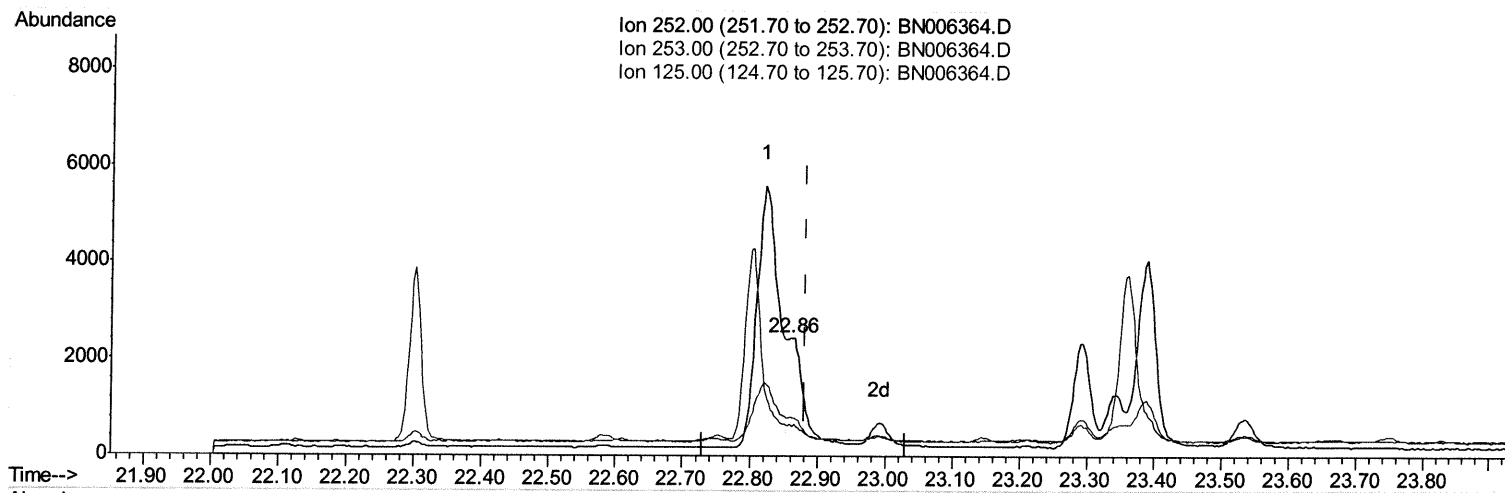
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:34:49 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.860min (-0.022) 0.05ng/ul m *JU 06/18/19*

response 3631

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	33.57#
125.00	17.90	27.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006364.D
 Acq On : 18 Jun 2019 00:28
 Operator : JU/SJ
 Sample : K3335-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:55 AM

Quant Time: Jun 18 04:36:17 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4641	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	18679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	9773	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17946m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11010m>	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	16980	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.02	152	4073	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	7128m>	0.15	ng/ul	0.00

Target Compounds

						Ovalue
9) Fluorene	15.35	166	935	0.021	ng/ul#	96
12) Phenanthrene	17.09	178	18270	0.317	ng/ul	98
13) Anthracene	17.18	178	4713m>	0.086	ng/ul	
15) Fluoranthene	19.11	202	27985m>	0.440	ng/ul	
17) Pyrene	19.48	202	21911	0.378	ng/ul	99
18) Benzo(a)anthracene	21.24	228	9521m>	0.196	ng/ul	
19) Chrysene	21.30	228	9847	0.215	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	12076m>	0.171	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	3631m>	0.053	ng/ul	
23) Benzo(a)pyrene	23.39	252	7310	0.111	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.73	276	6288	0.088	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.73	278	2316	0.041	ng/ul#	85
26) Benzo(a,h,i)perylene	26.41	276	3030	0.051	ng/ul	92

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