

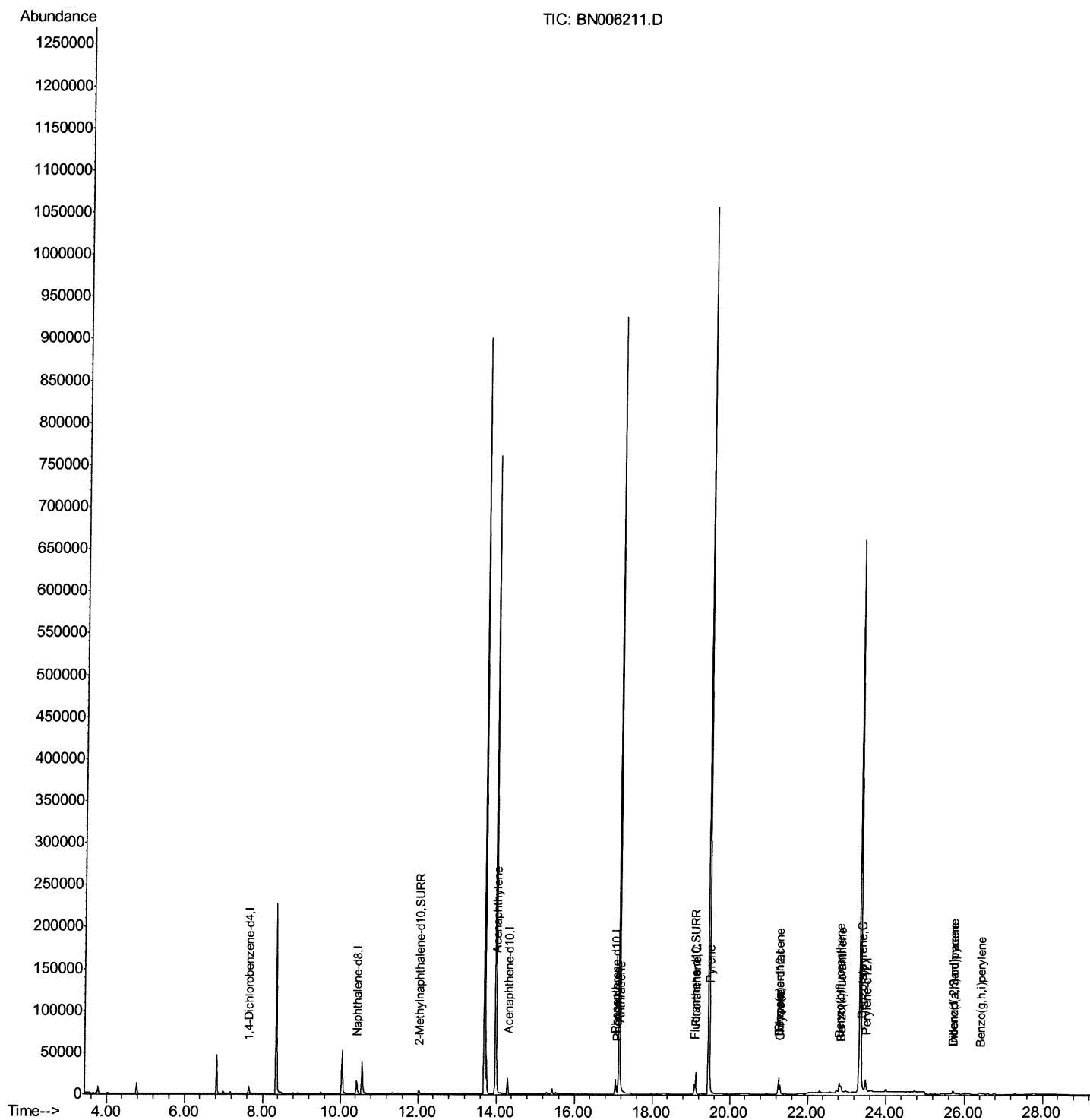
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (QT Reviewed)
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:57 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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

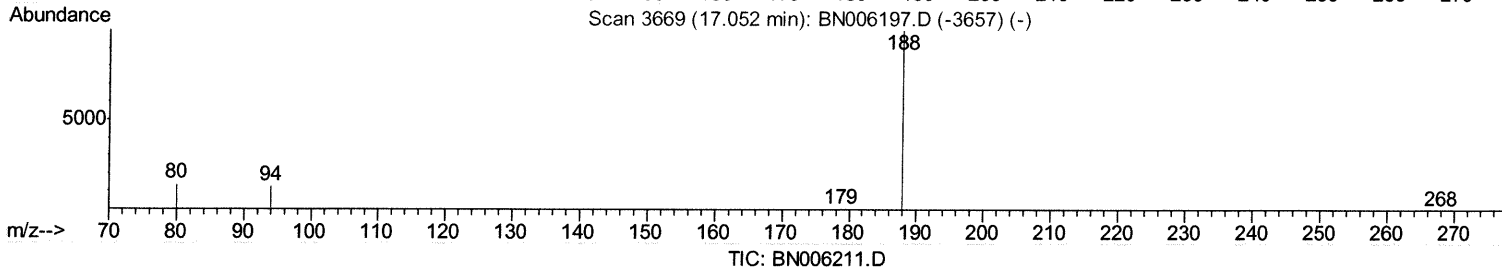
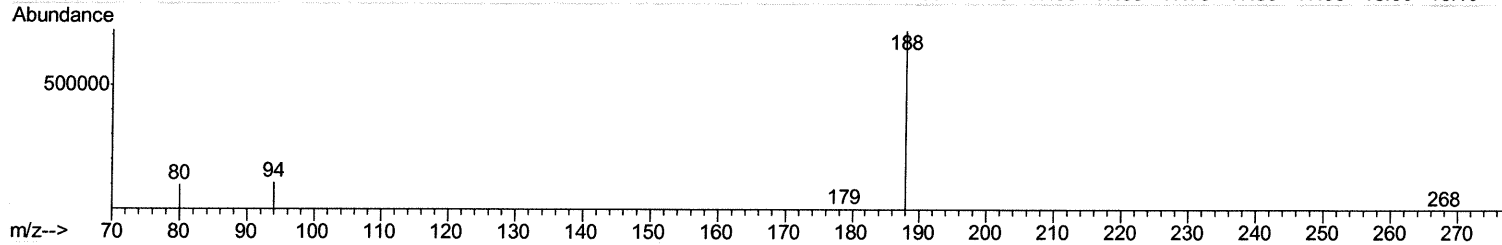
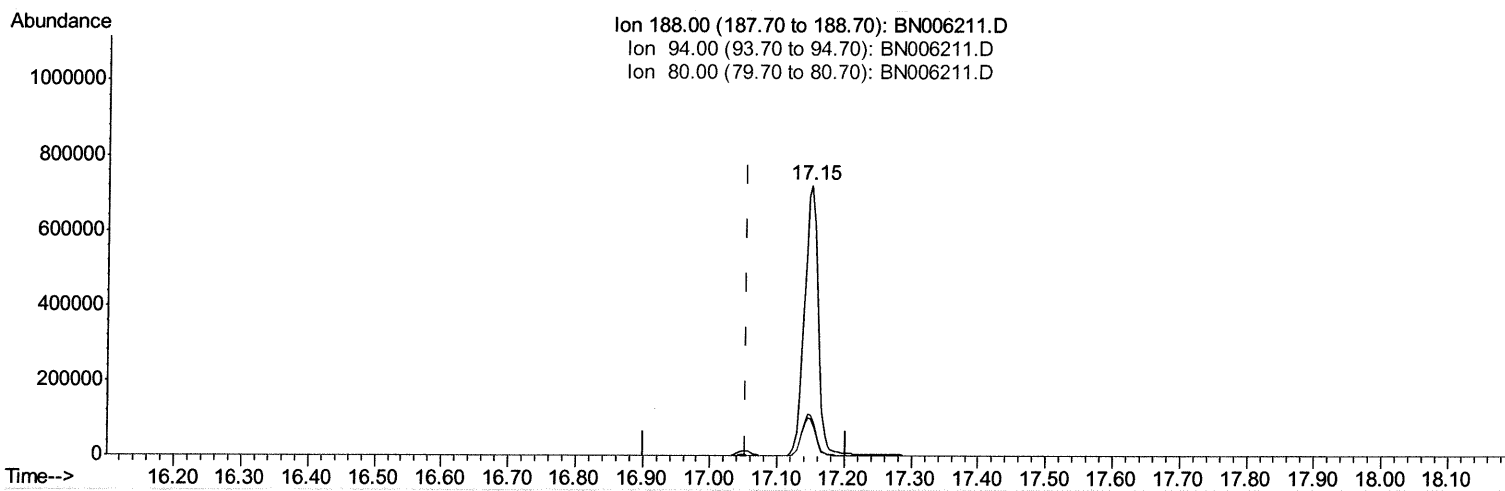
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 05:16:22 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 1019249

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.98
80.00	13.60	13.48
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

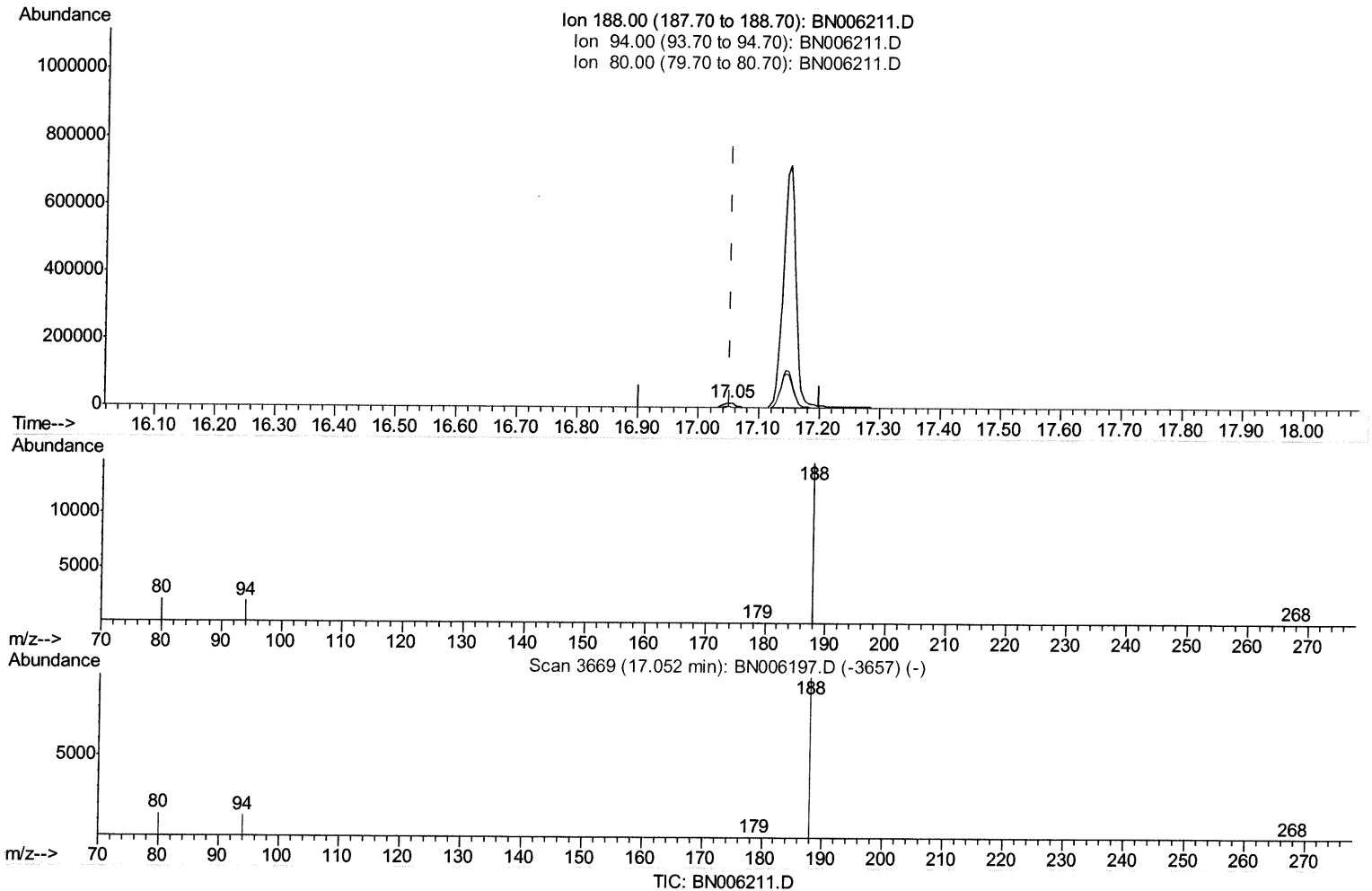
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 05:16:22 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)

17.052min (-0.000) 0.40ng/ul m

response 20965

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.02
80.00	13.60	14.18
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

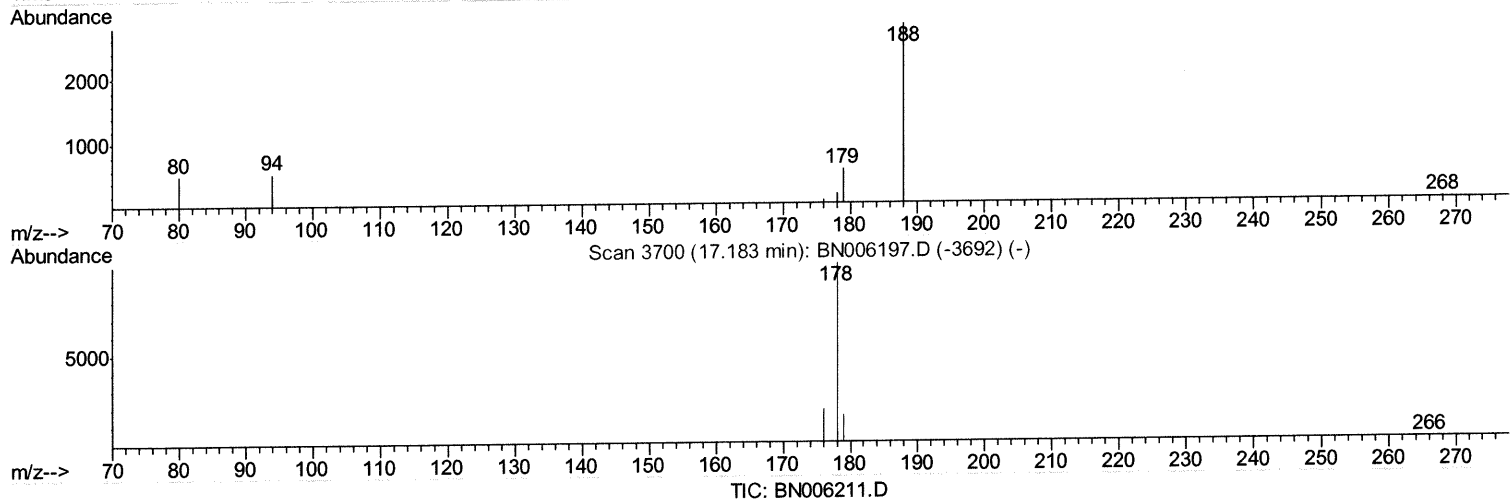
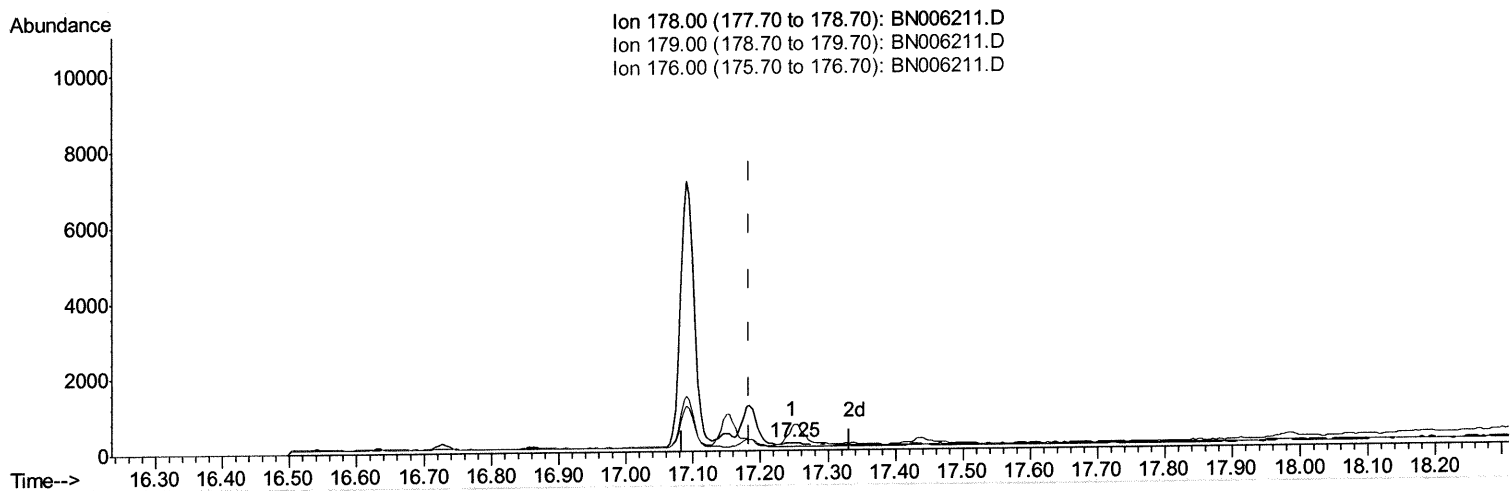
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(13) Anthracene

17.246min (+0.063) 0.00ng/ul

response 152

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	279.61#
176.00	18.90	52.91#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

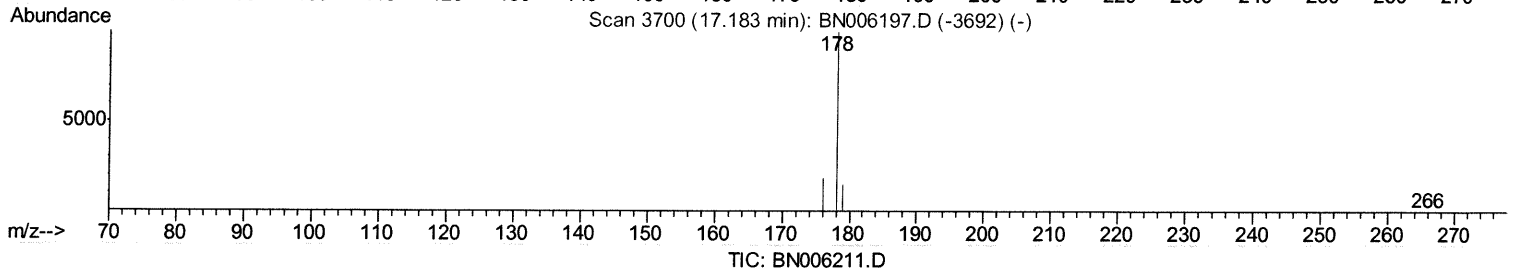
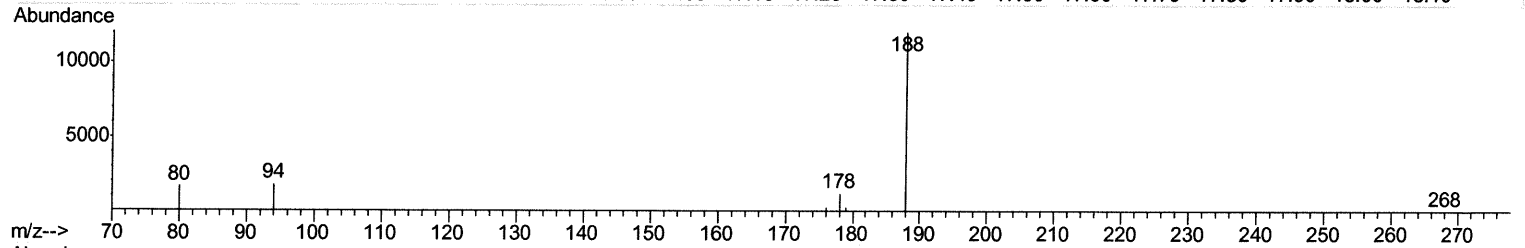
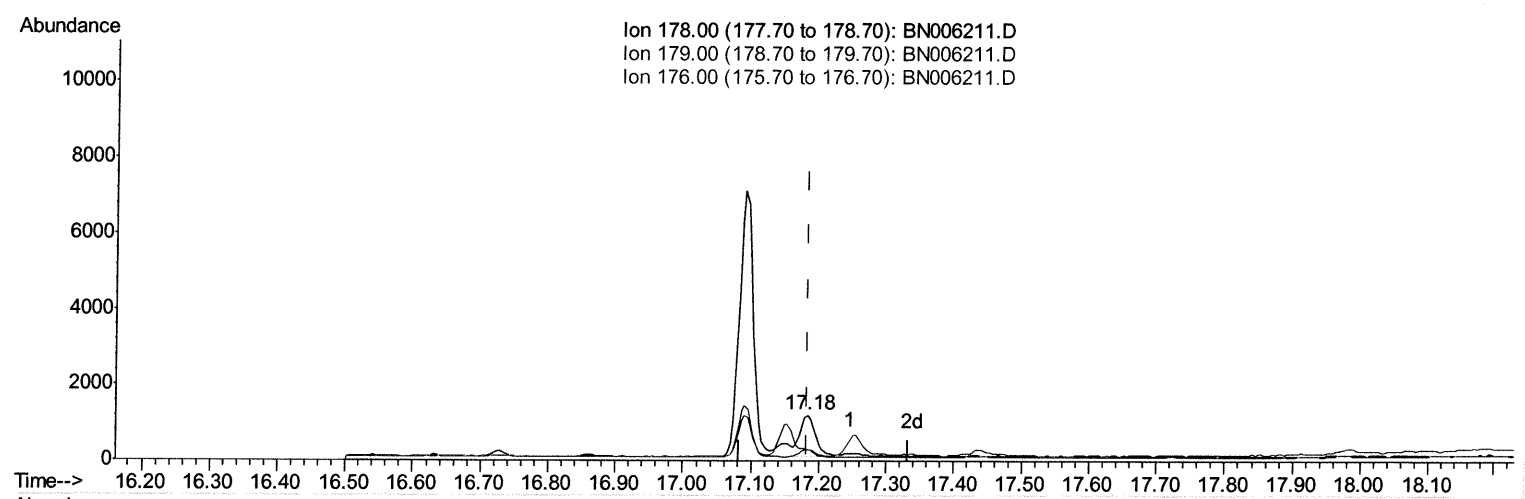
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(13) Anthracene

17.183min (-0.000) 0.03ng/ul m *JU* *06/10/19*

response 1750

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	25.23#
176.00	18.90	24.98#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

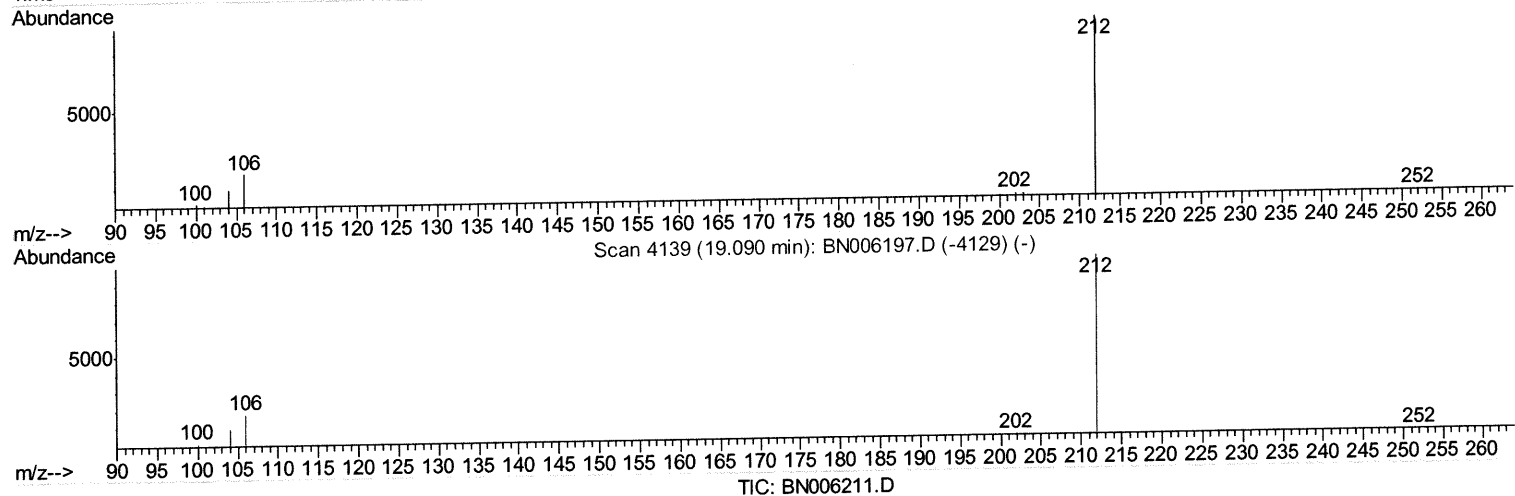
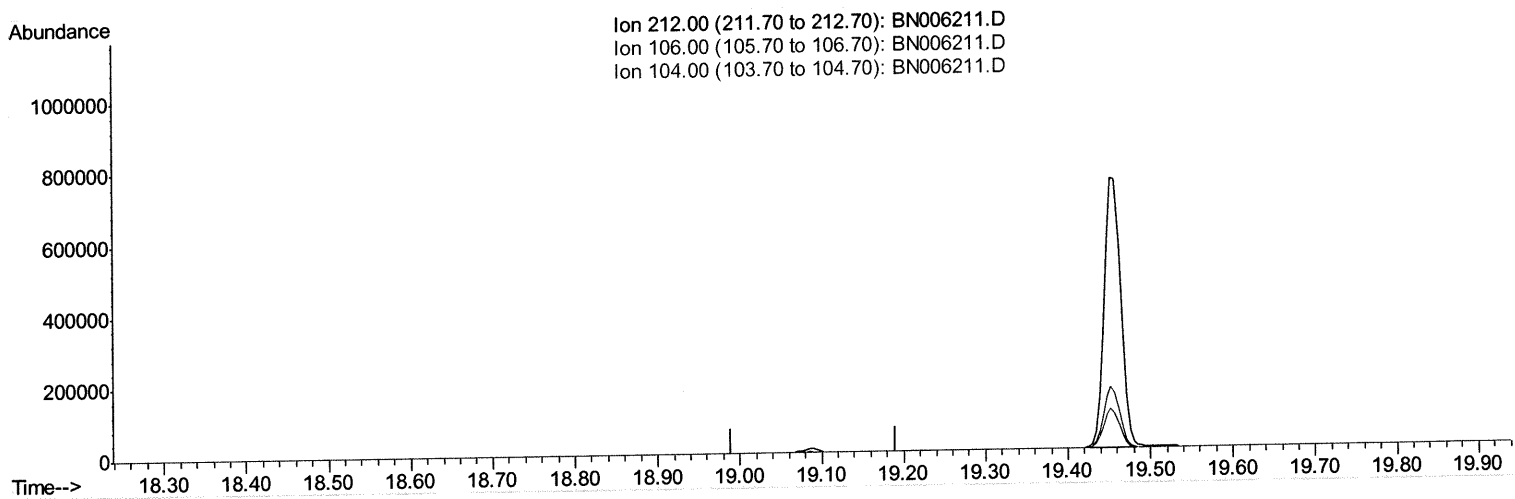
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ui

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\BN060819\
Quantitation Report (Qedit)

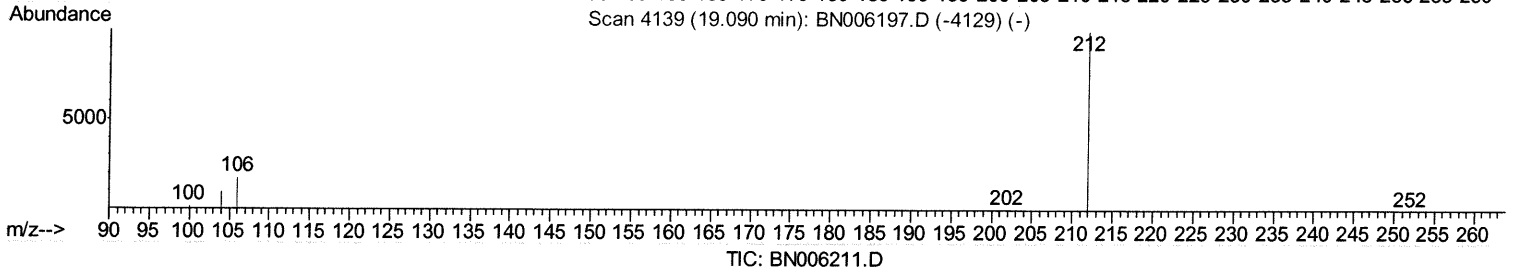
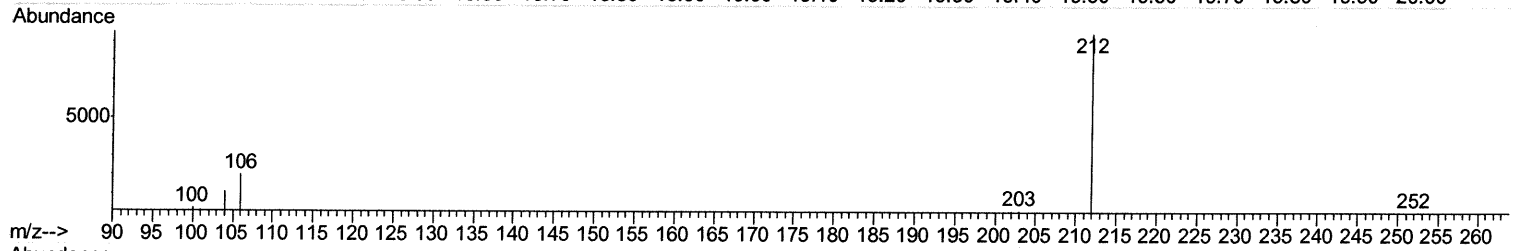
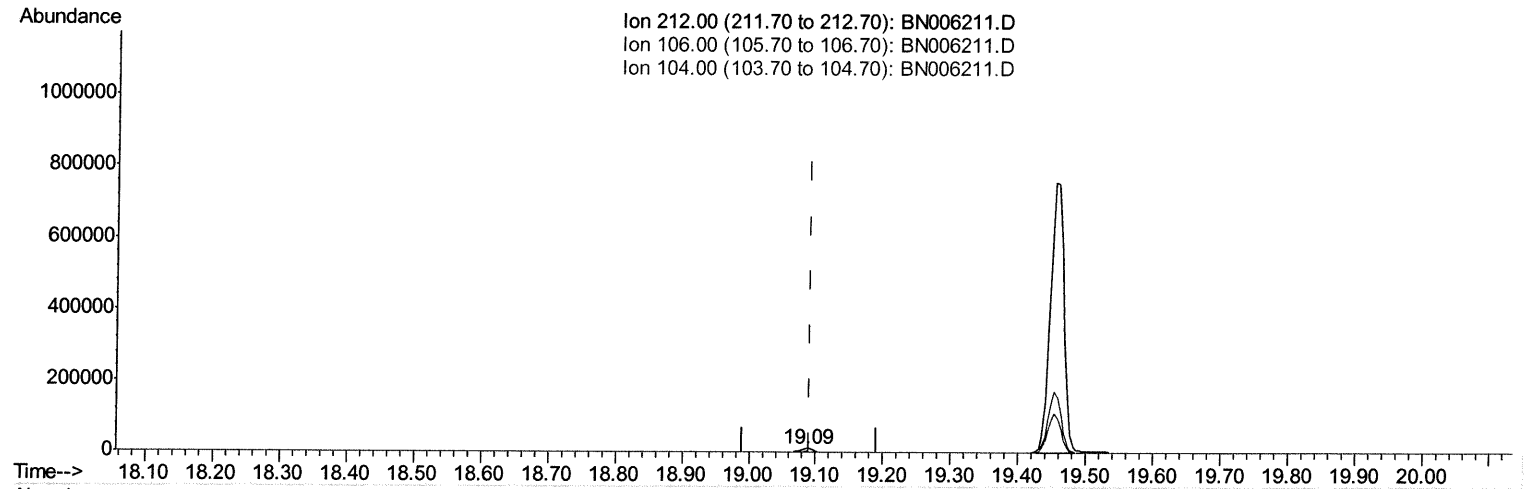
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.085min (-0.005) 0.24ng/ul m

response 13457

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
06/10/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

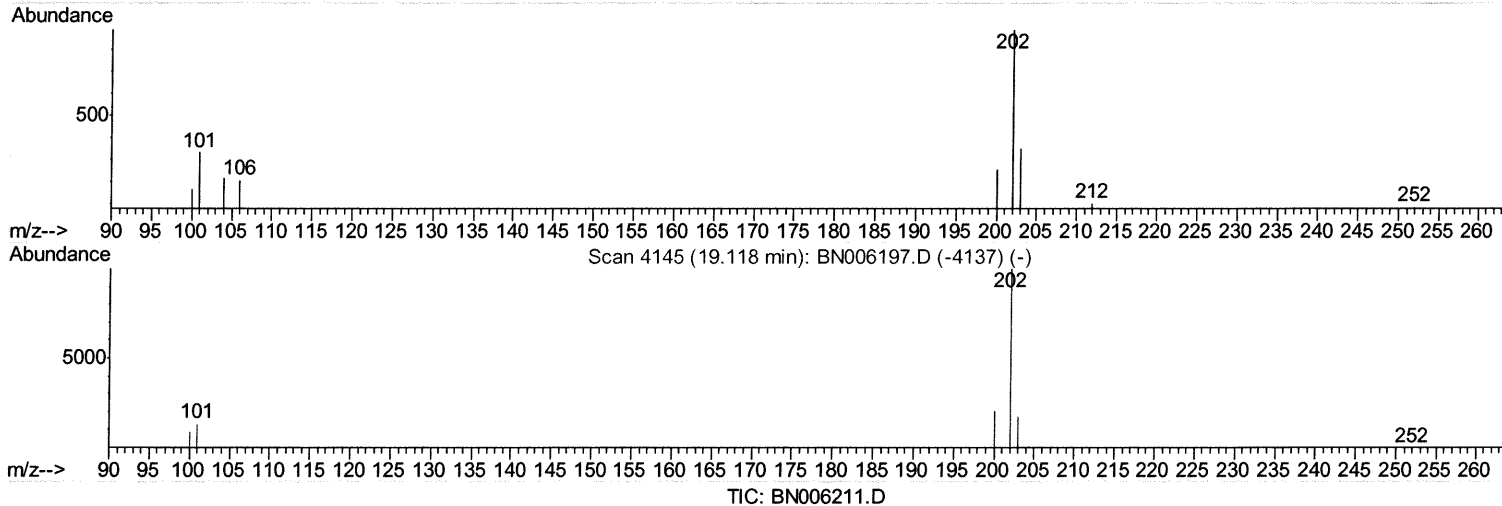
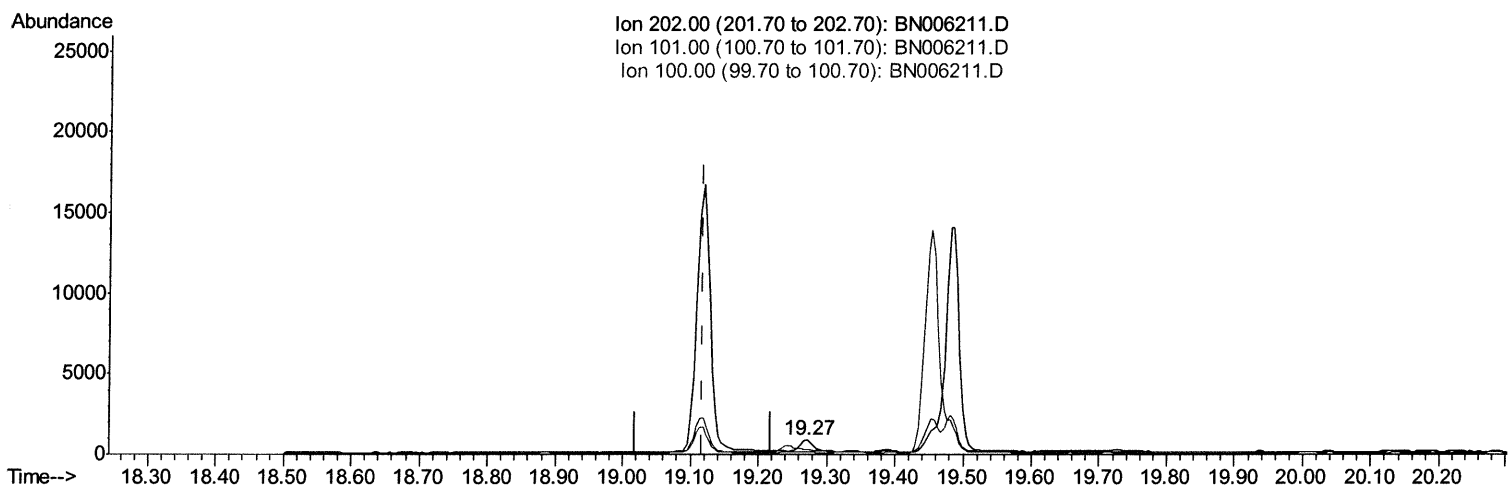
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.271min (+0.153) 0.01ng/ui

response 955

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	37.26#
100.00	8.70	18.74
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

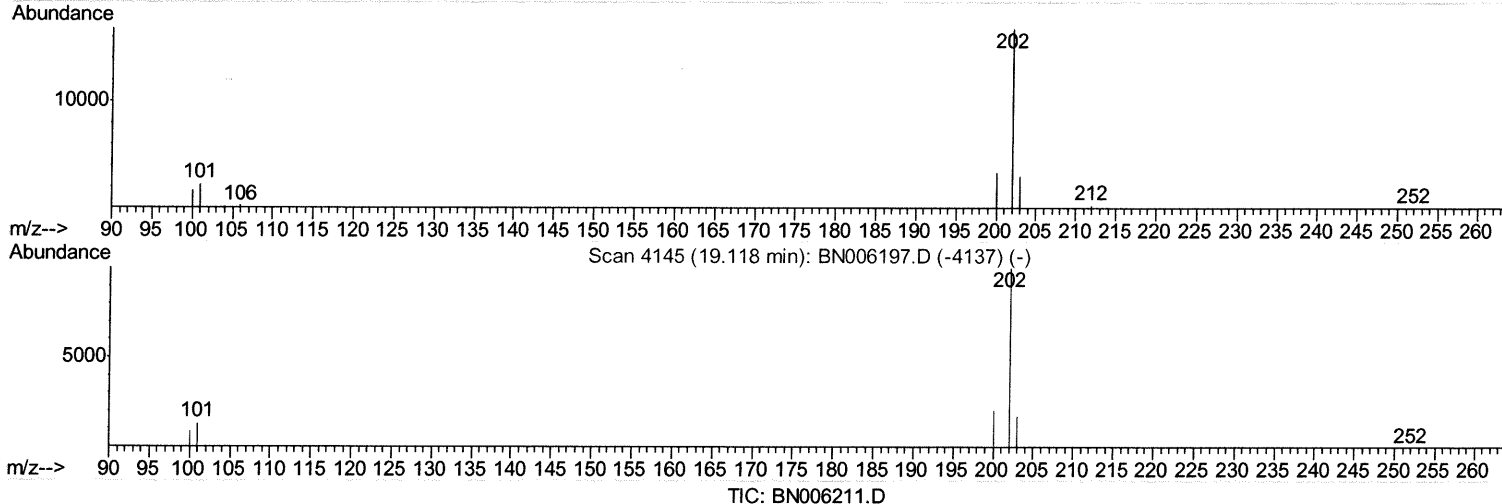
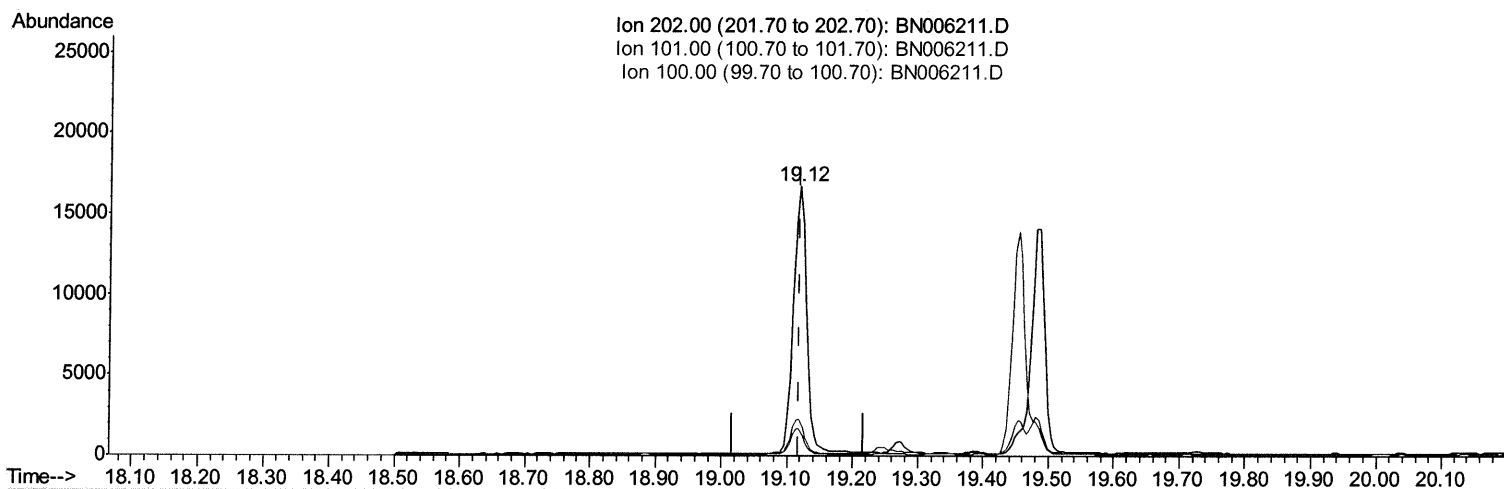
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.118min (-0.000) 0.32ng/ul m *JU 06/10/19*

response 23460

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.72
100.00	8.70	10.22
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

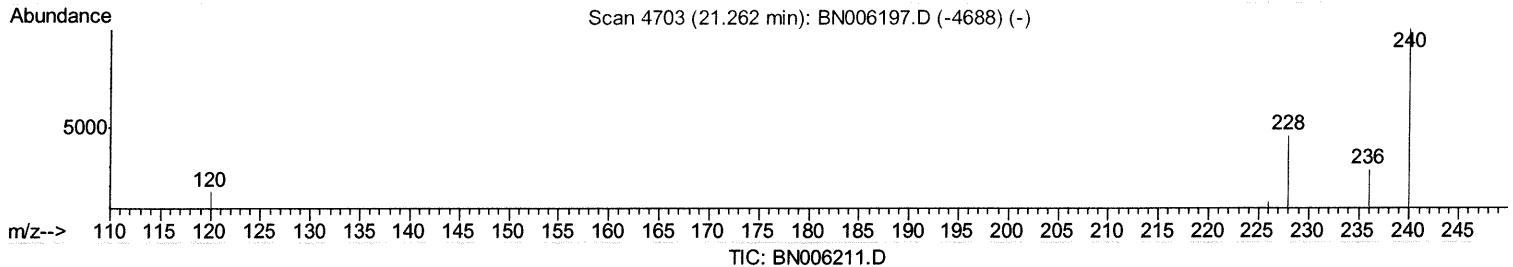
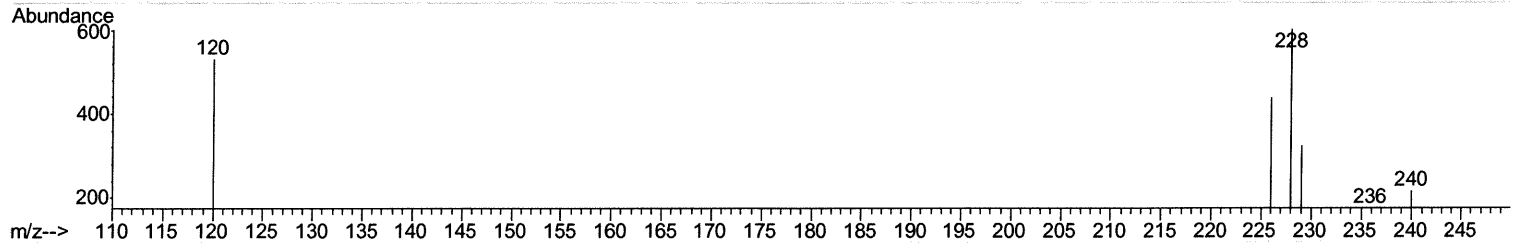
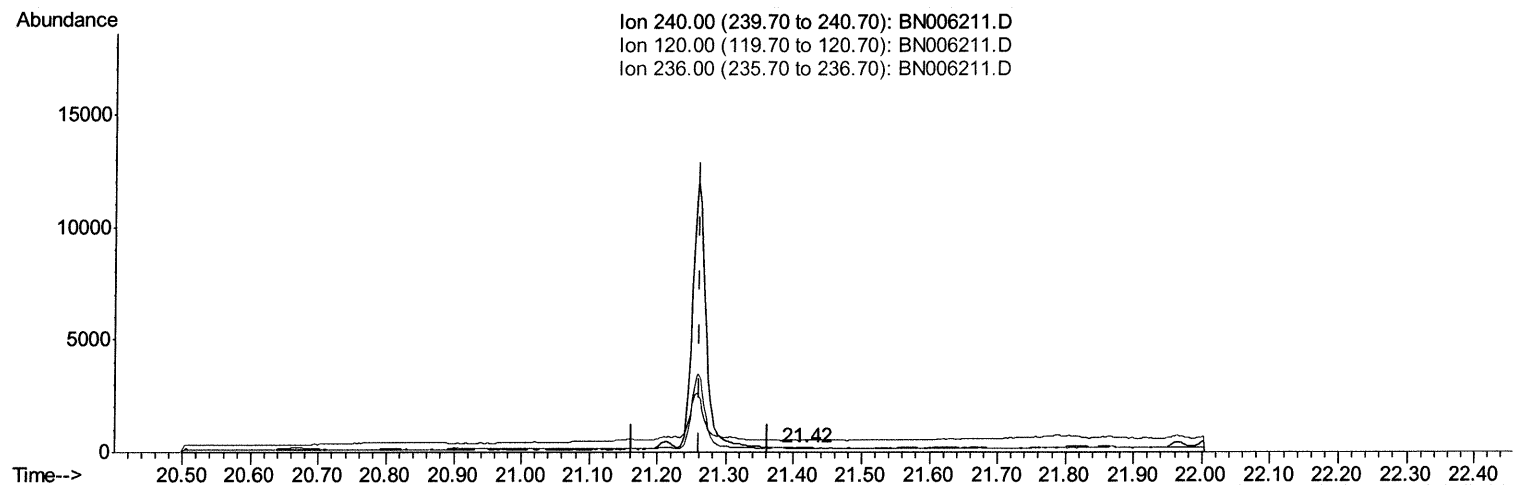
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.417min (+0.155) 0.40ng/ul

response 62

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	248.13#
236.00	30.10	81.31#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

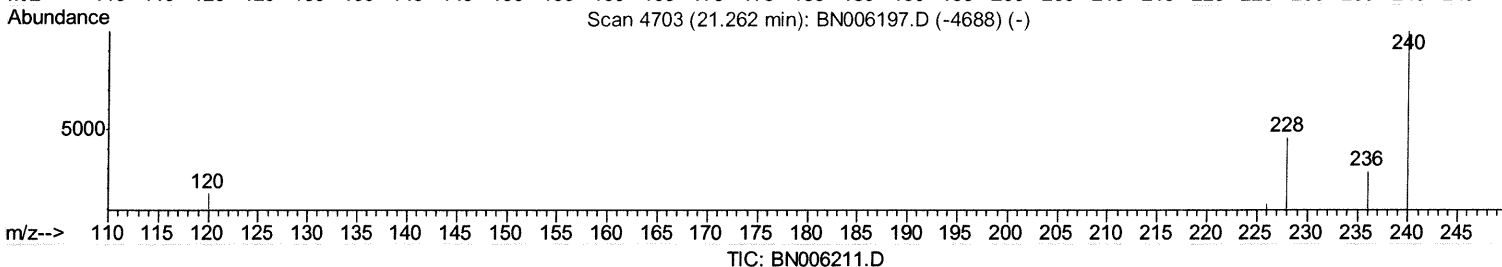
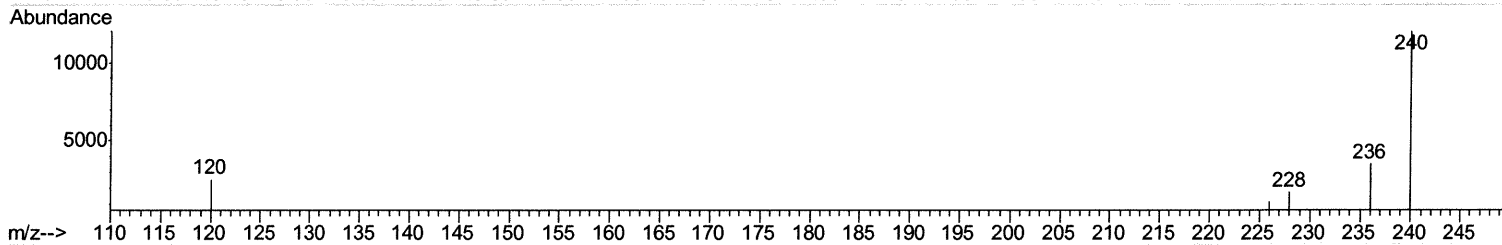
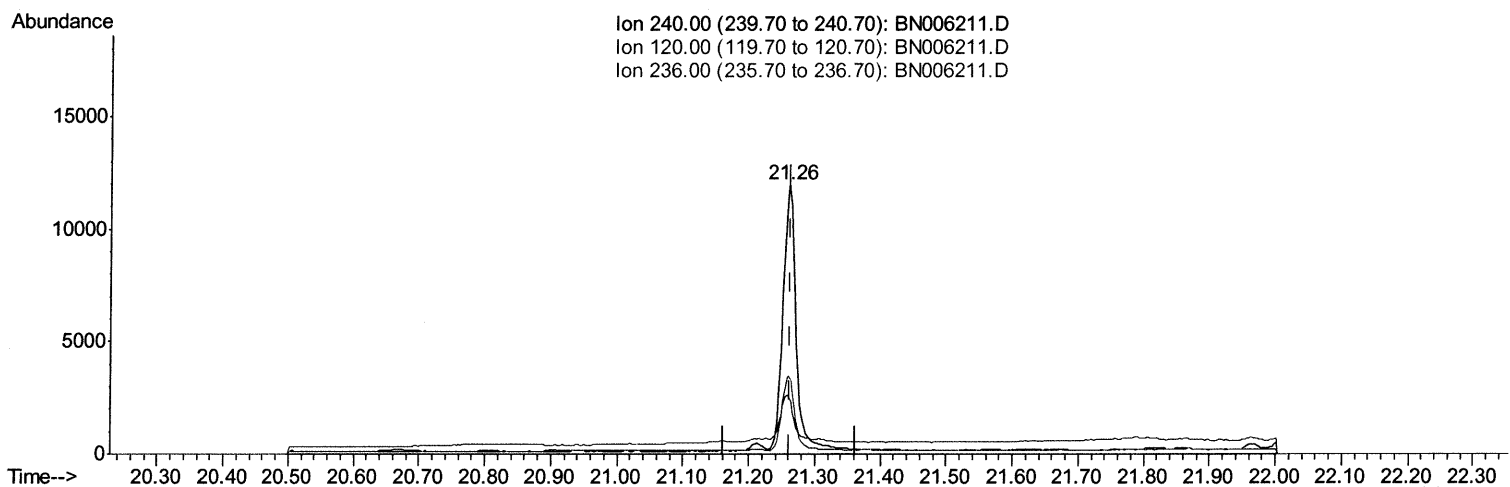
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:32:17 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.259min (-0.003) 0.40ng/ul m

response 16905

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	21.22
236.00	30.10	29.29
0.00	0.00	0.00

JU
06/10/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

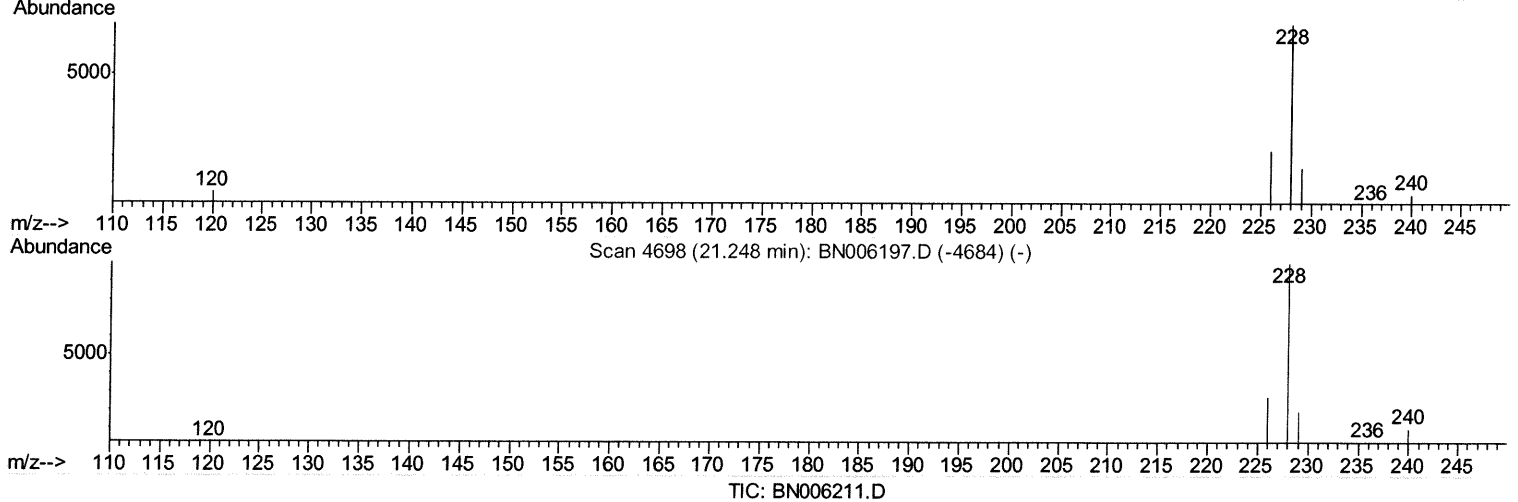
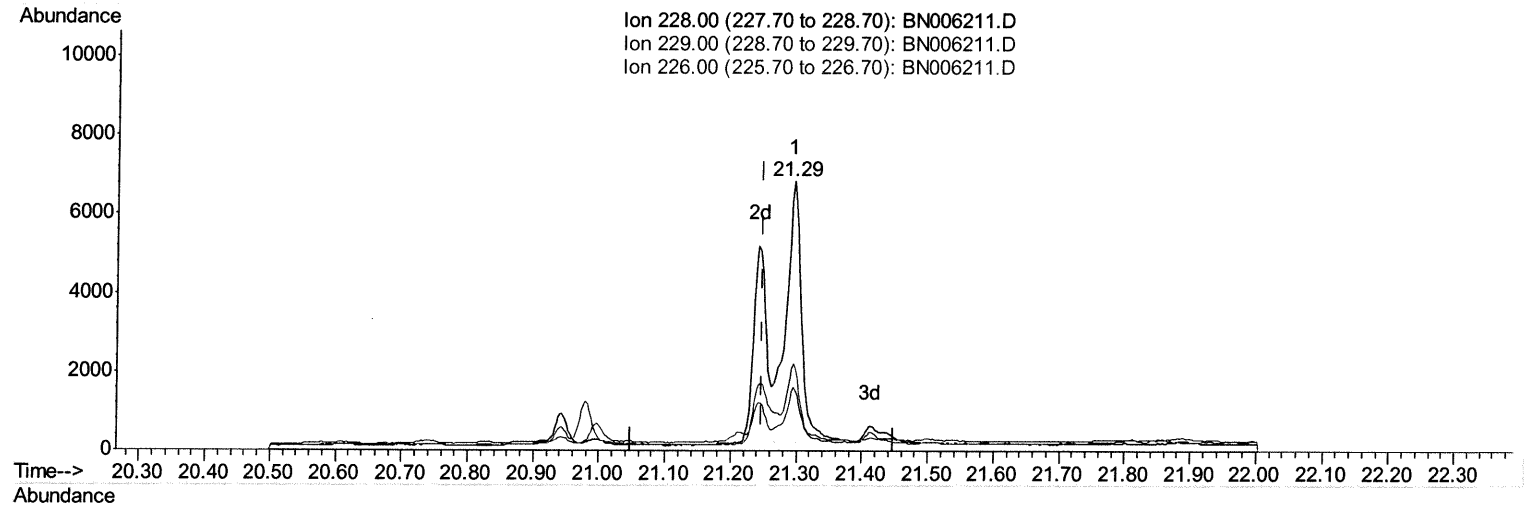
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:33:35 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

21.294min (+0.047) 0.15ng/ui

response 11274

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	23.48
226.00	28.50	32.47
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

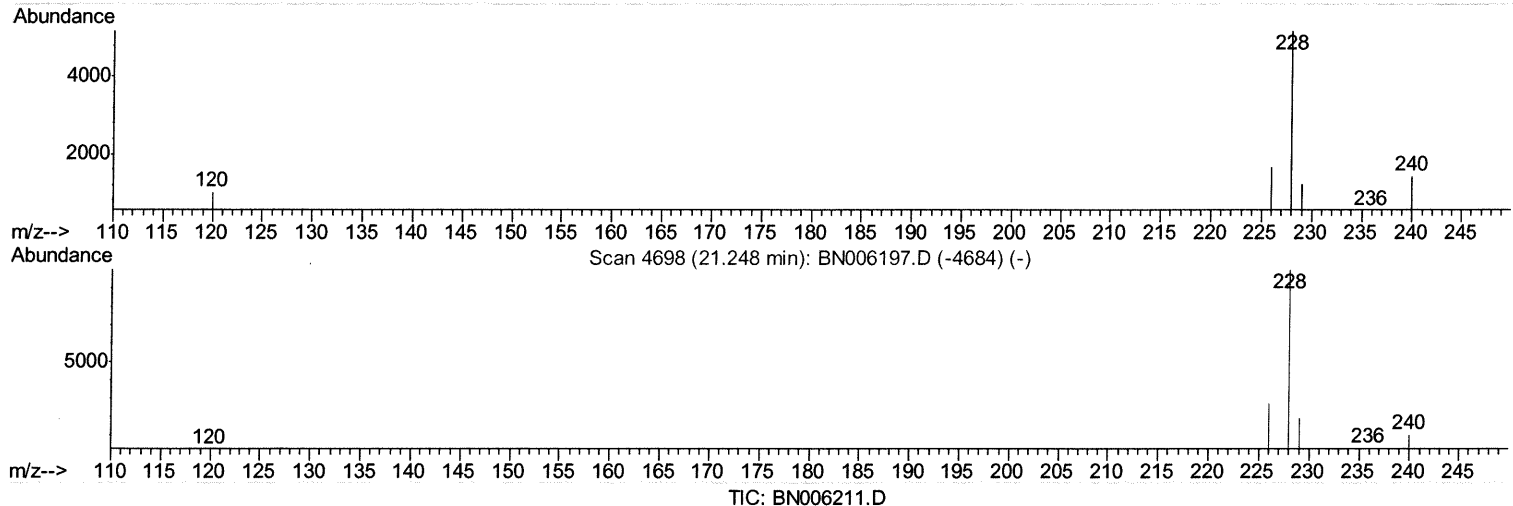
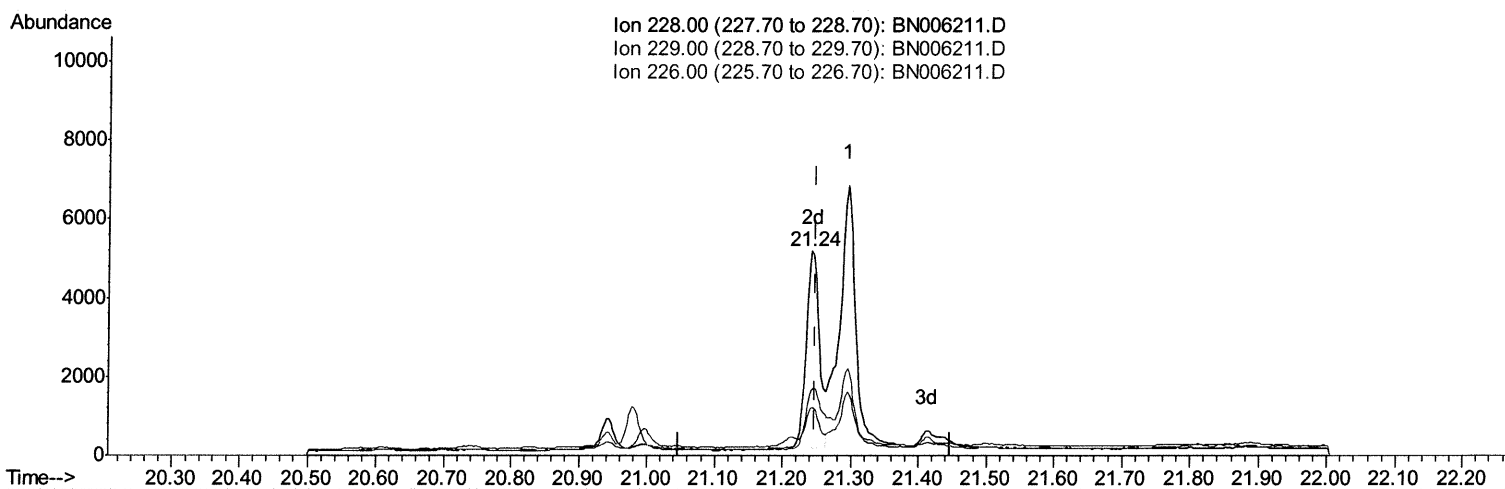
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:33:35 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

21.242min (-0.006) 0.09ng/ul m *JU 06/10/19*

response 6878

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	23.64
226.00	28.50	32.02
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

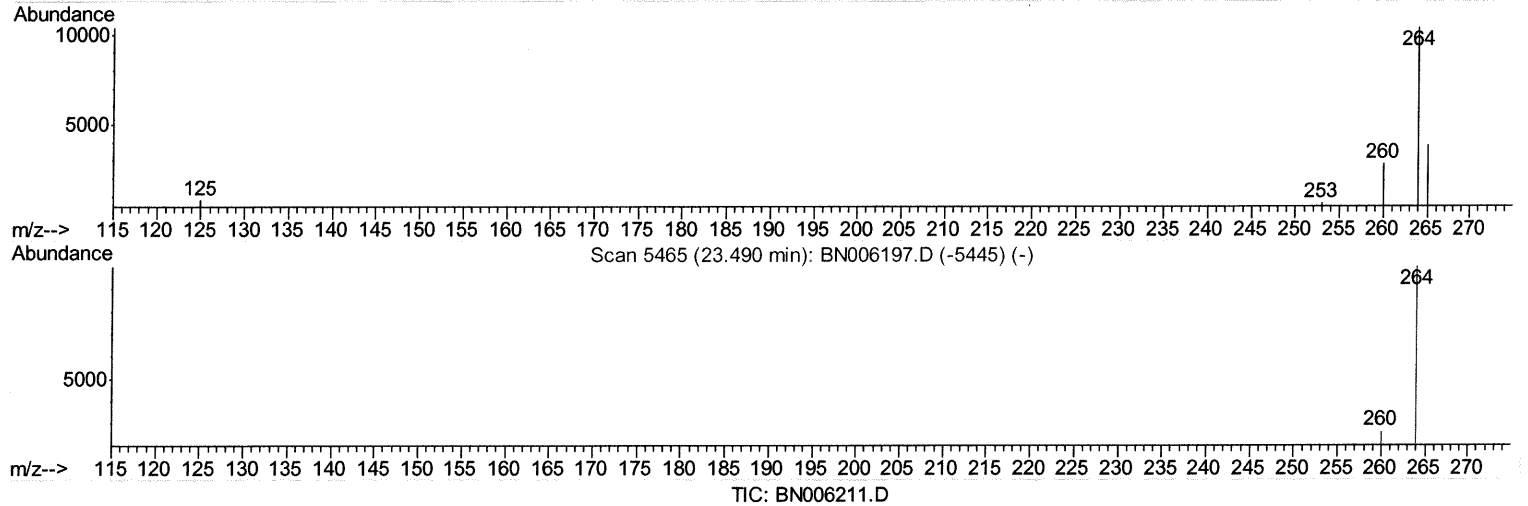
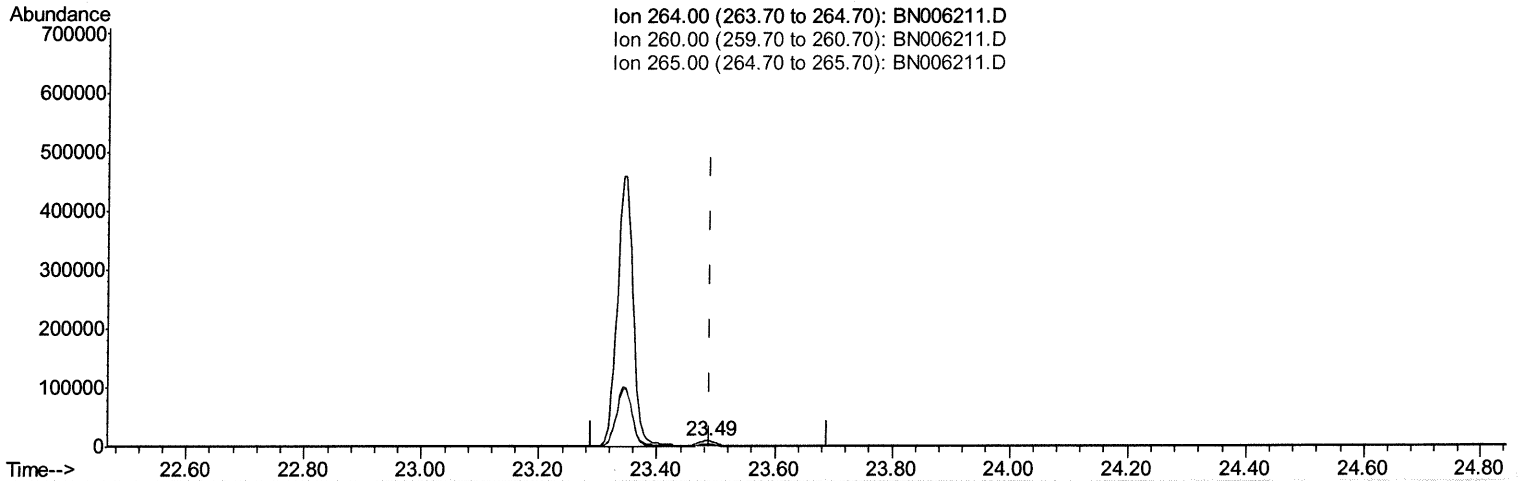
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:33:35 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



(20) Perylene-d12 (I)

23.486min (-0.003) 0.40ng/ul

response 24504

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.91
265.00	44.70	37.39
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

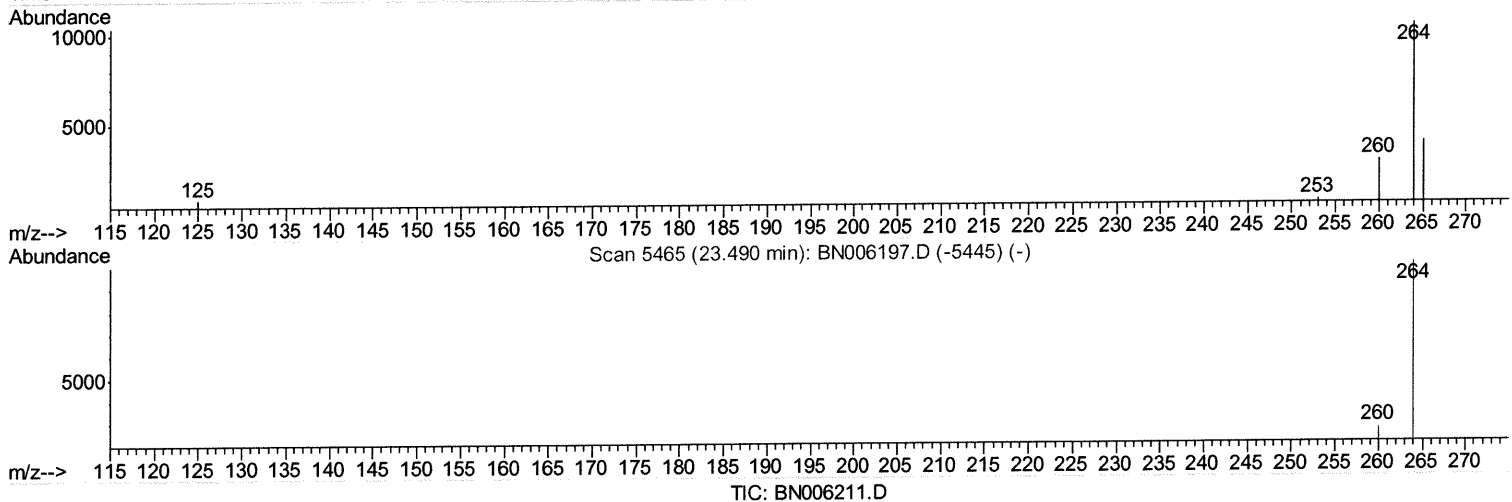
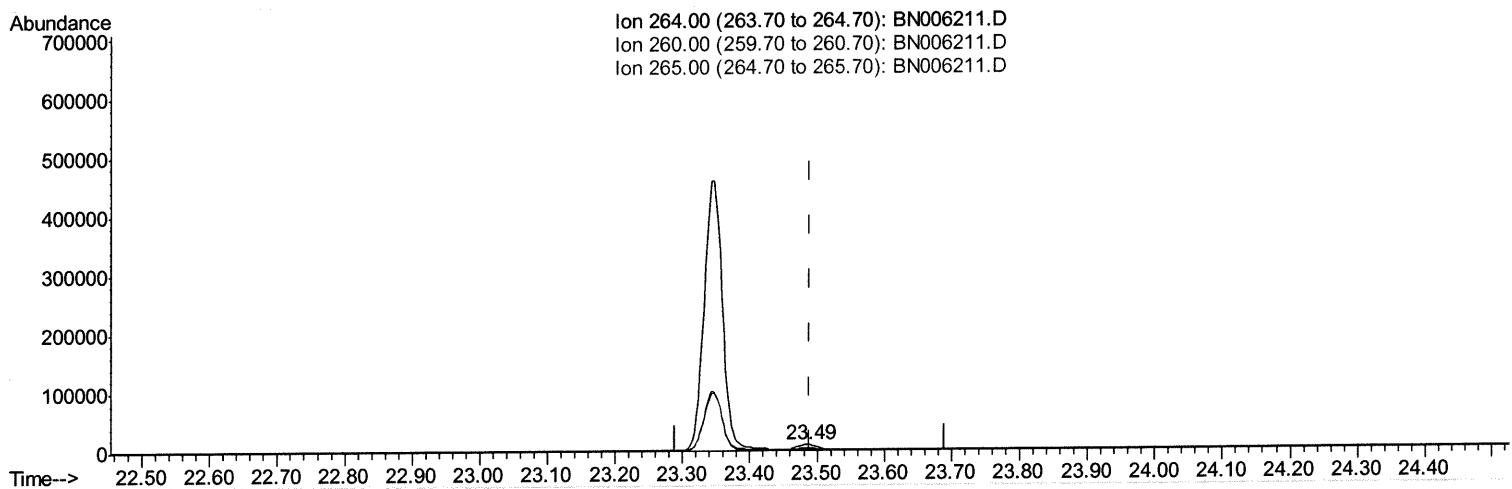
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:33:35 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



(20) Perylene-d12 (I)

23.486min (-0.003) 0.40ng/ul m

response 15576

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.91
265.00	44.70	37.39
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

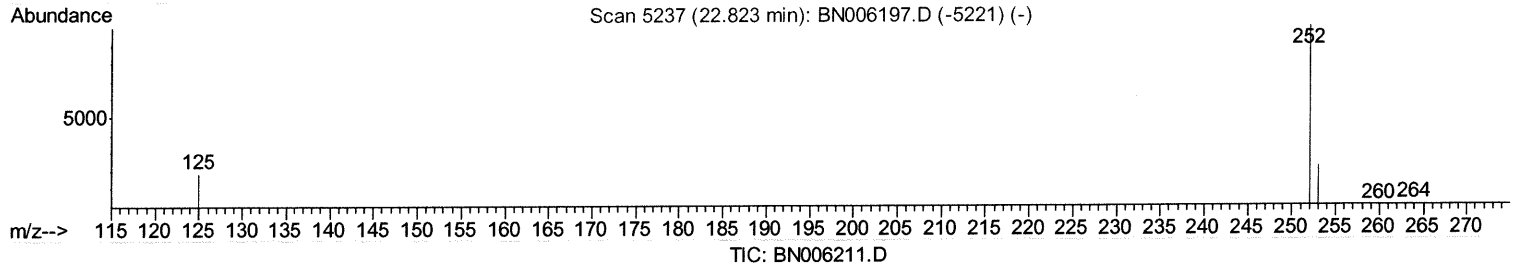
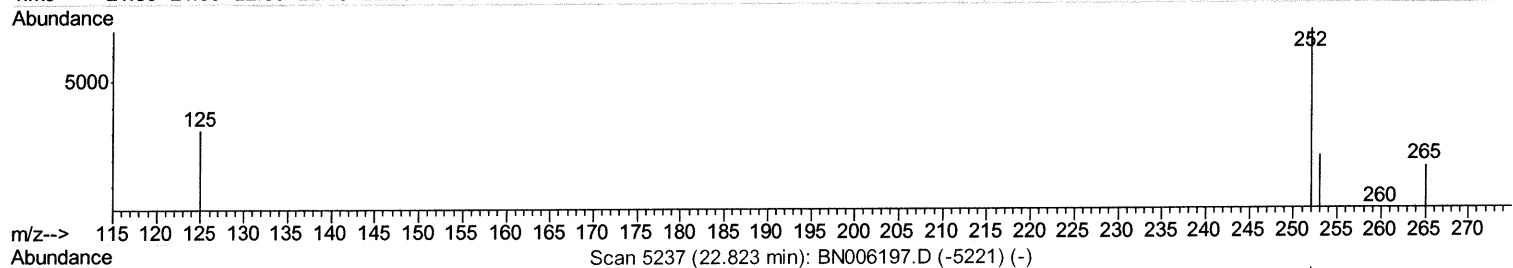
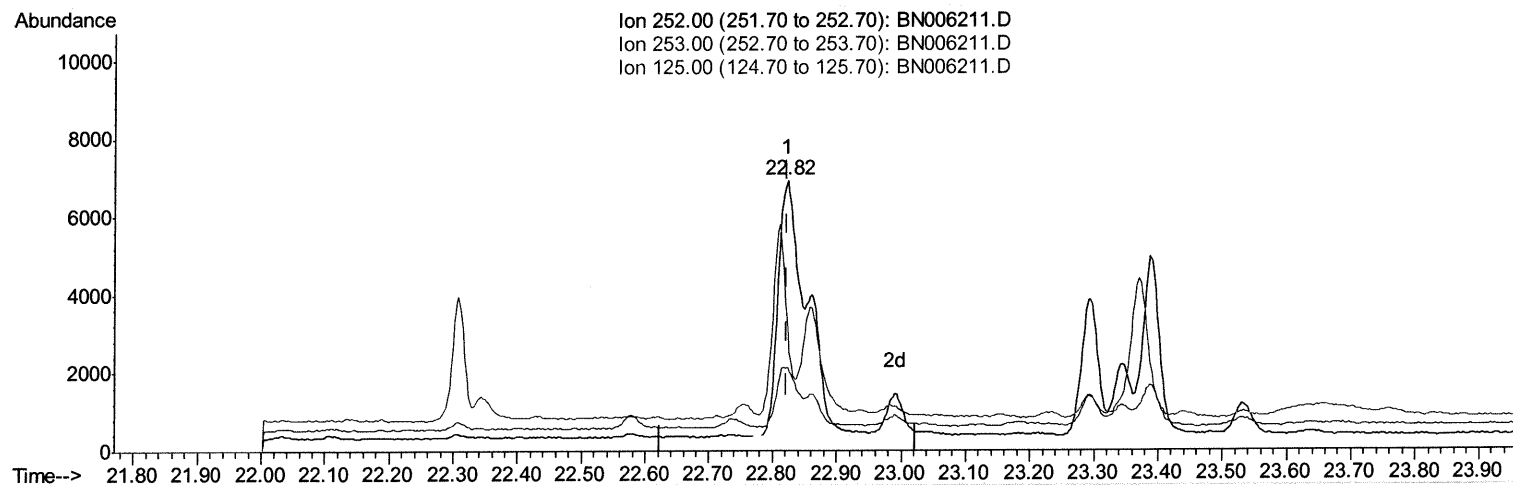
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:14 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

22.823min (-0.000) 0.32ng/ul

response 20508

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.74
125.00	20.50	45.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

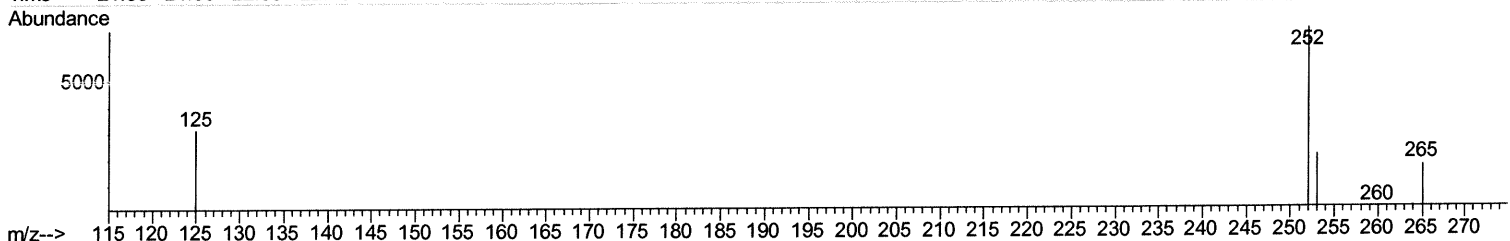
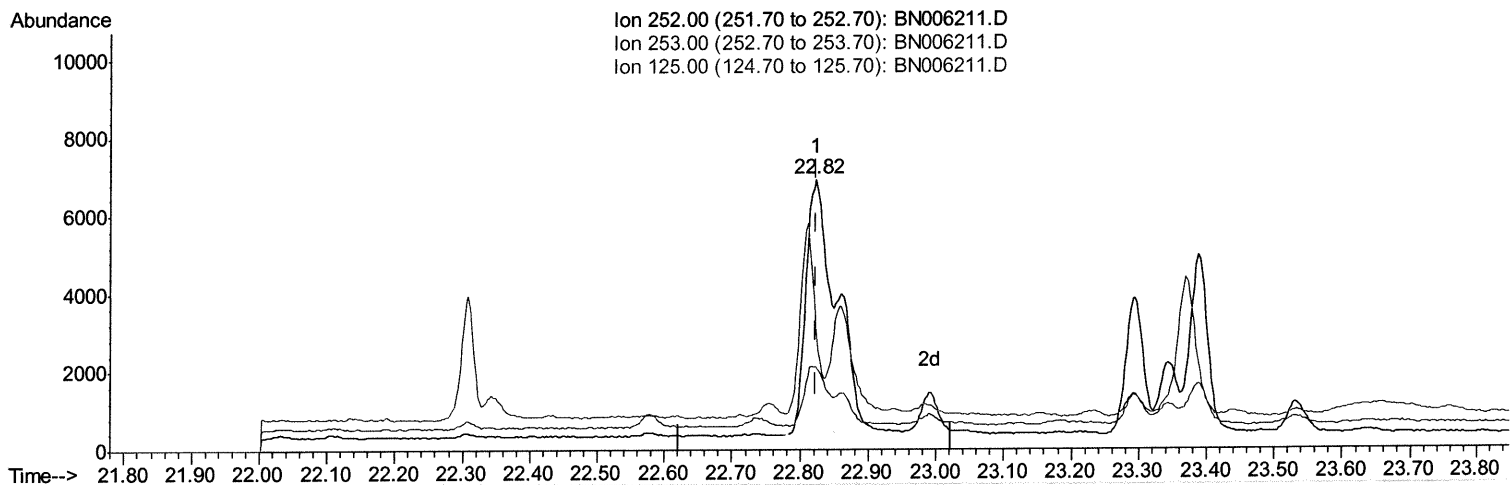
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

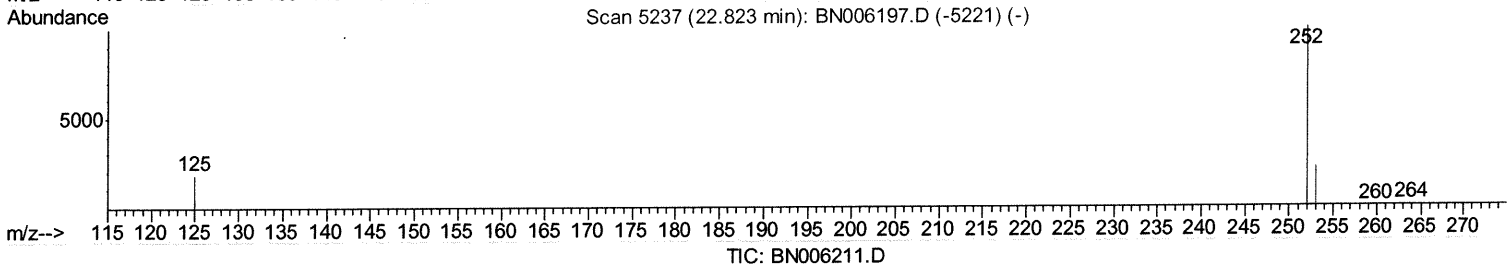
Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:14 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



Scan 5237 (22.823 min): BN006197.D (-5221) (-)



(21) Benzo(b)fluoranthene

22.823min (-0.000) 0.22ng/ul m *JU* 06/10/19

response 14407

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.74
125.00	20.50	45.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

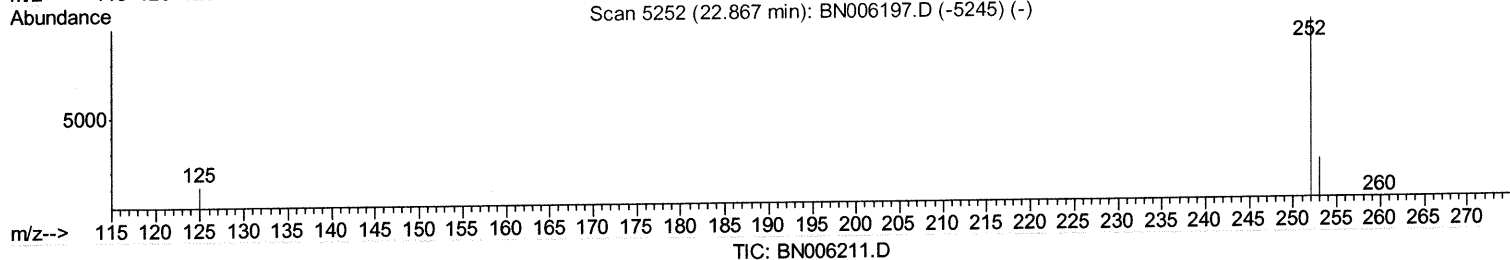
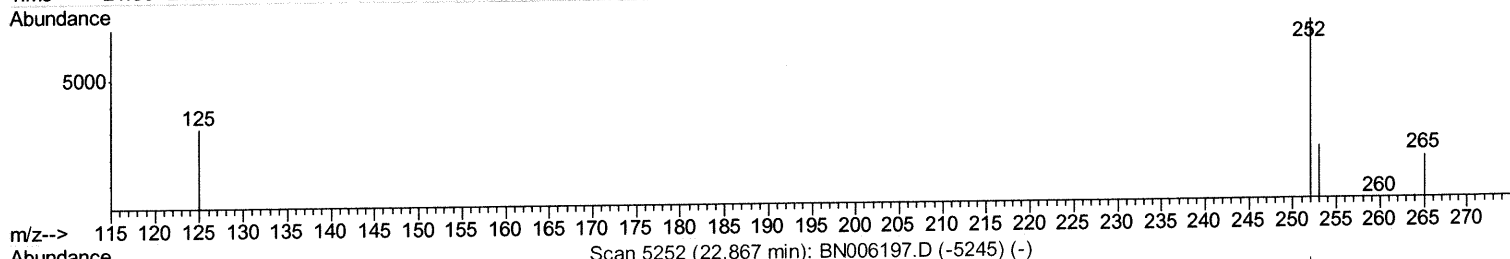
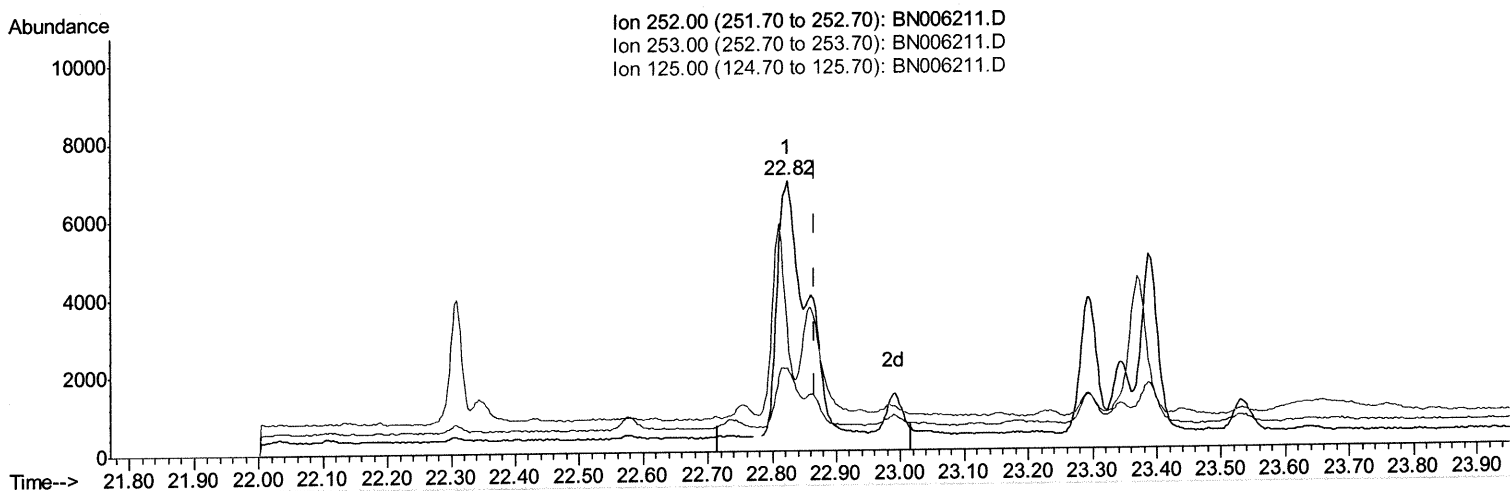
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:14 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

22.823min (-0.044) 0.32ng/ul

response 20493

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	30.74#
125.00	17.90	45.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (Qedit)

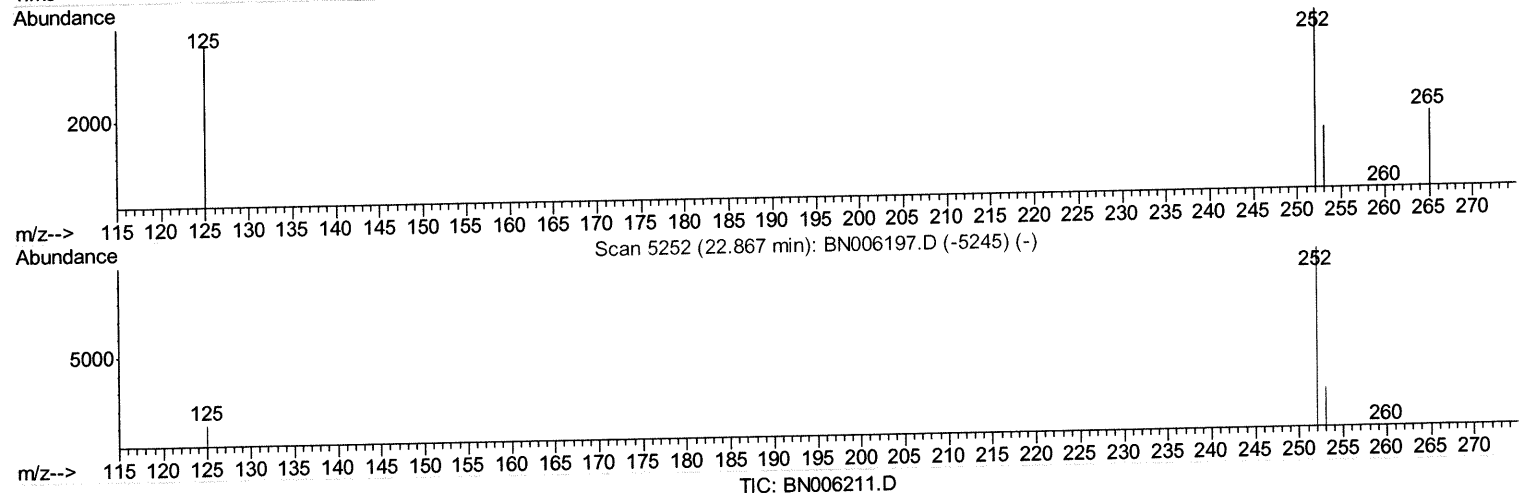
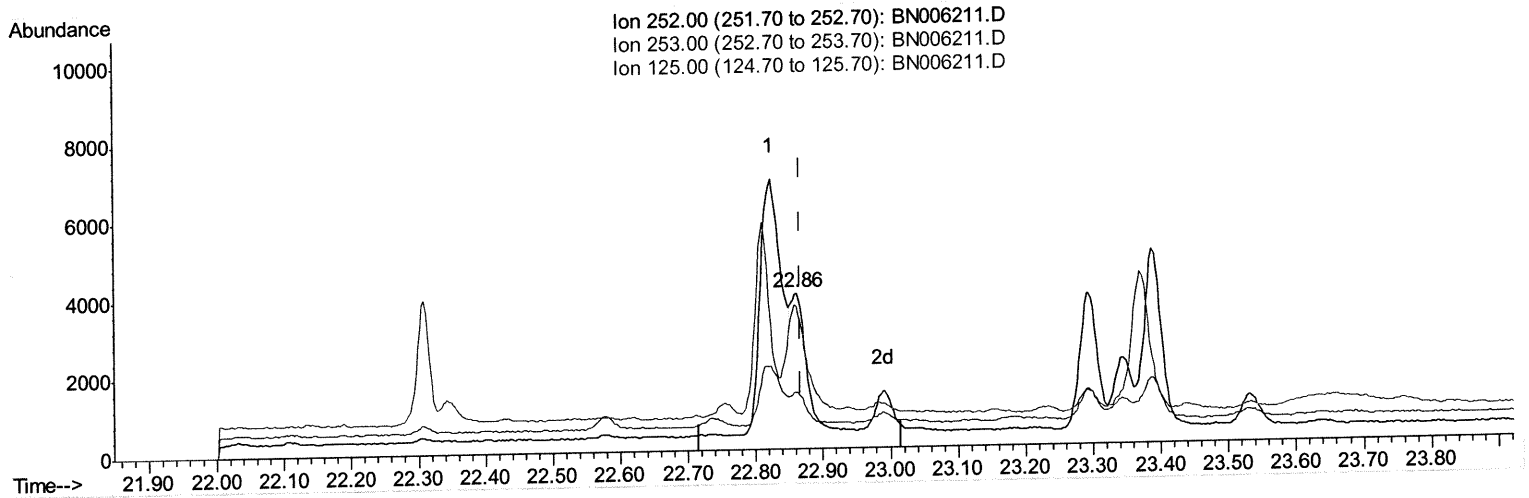
Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:14 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

22.861min (-0.006) 0.10ng/ul m

JU
06/10/19

response 6128

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	36.34#
125.00	17.90	91.05#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060819\
Quantitation Report (QT Reviewed)

Data File : BN006211.D
Acq On : 09 Jun 2019 03:41
Operator : JU/SJ
Sample : K3017-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51E4

Manual Integrations
APPROVED

mohammad
6/11/2019 4:33:10 PM

Quant Time: Jun 09 06:34:57 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	5326	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	20507	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10621	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20965m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16905m>	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	15576m>	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	6179	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	13457m>	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.01	152	2295	0.039	ng/ul#	91
12) Phenanthrene	17.09	178	10025	0.149	ng/ul	97
13) Anthracene	17.18	178	1750m>	0.027	ng/ul	
15) Fluoranthene	19.12	202	23460m>	0.316	ng/ul	
17) Pyrene	19.49	202	20492	0.230	ng/ul	99
18) Benzo(a)anthracene	21.24	228	6878m>	0.092	ng/ul	
19) Chrysene	21.29	228	10884	0.155	ng/ul	96
21) Benzo(b)fluoranthene	22.82	252	14407m>	0.222	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	6128m>	0.097	ng/ul	
23) Benzo(a)pyrene	23.39	252	8107	0.134	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.72	276	6607	0.101	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.72	278	1571	0.030	ng/ul#	29
26) Benzo(g,h,i)perylene	26.40	276	5090	0.093	ng/ul#	85

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

JU 06/10/19