

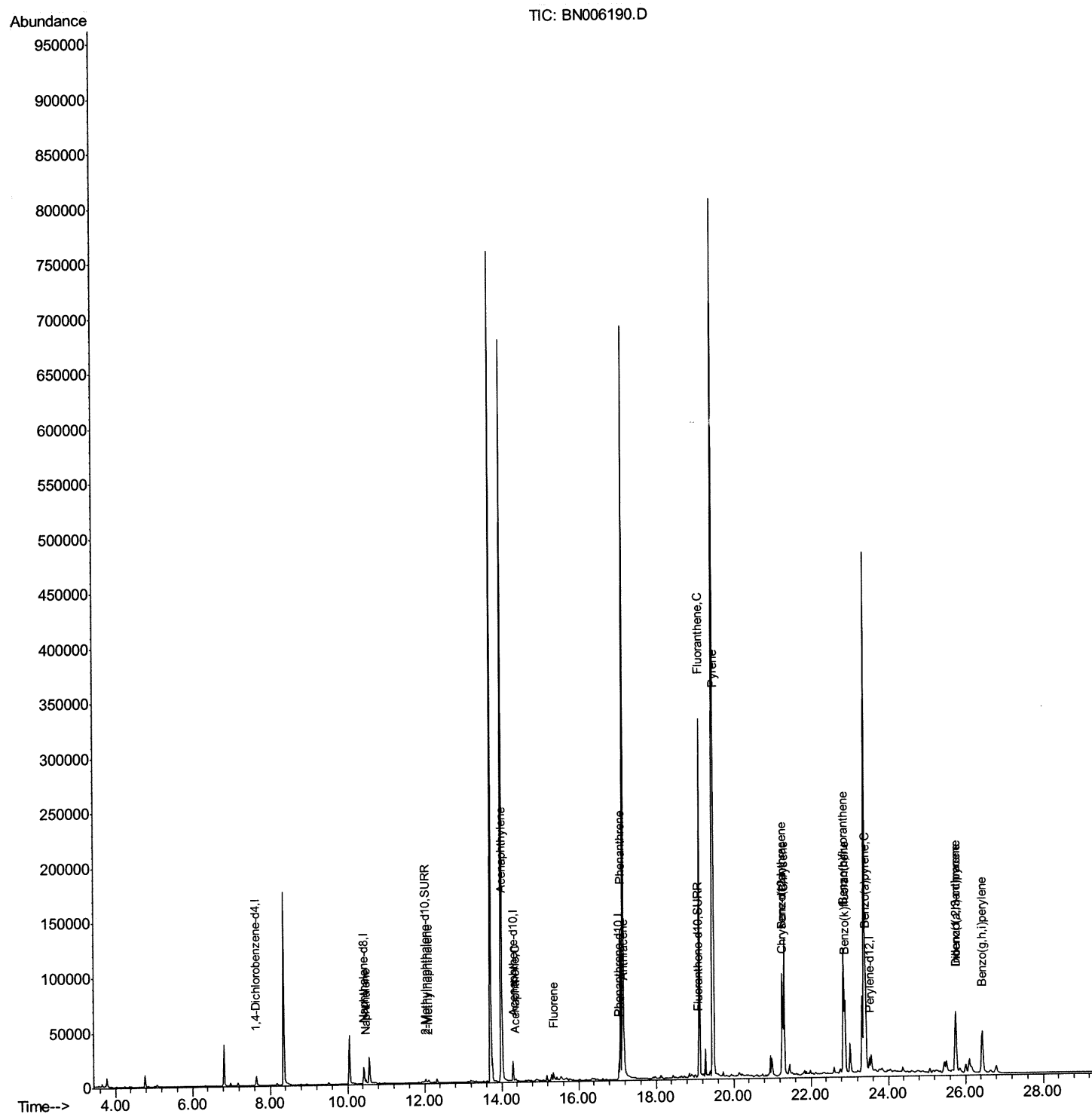
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006190.D
Acq On : 08 Jun 2019 14:29
Operator : JU/SJ
Sample : K3016-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51D3

Manual Integrations
APPROVED

mohammad
6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:49:47 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

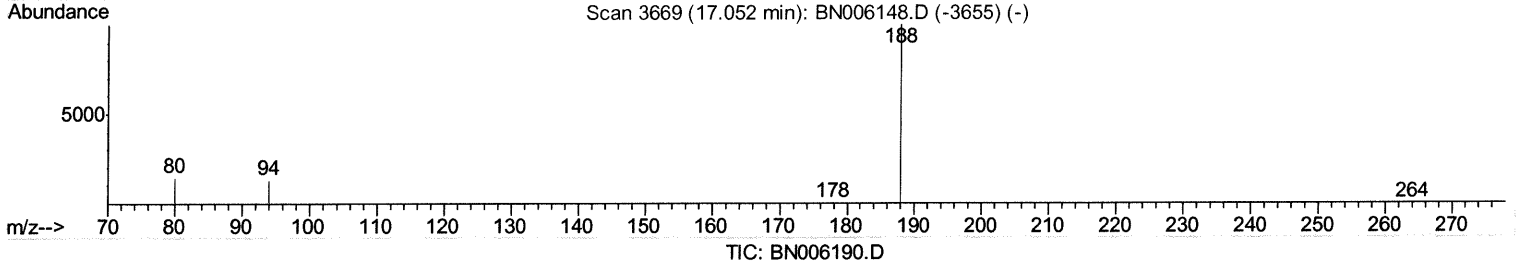
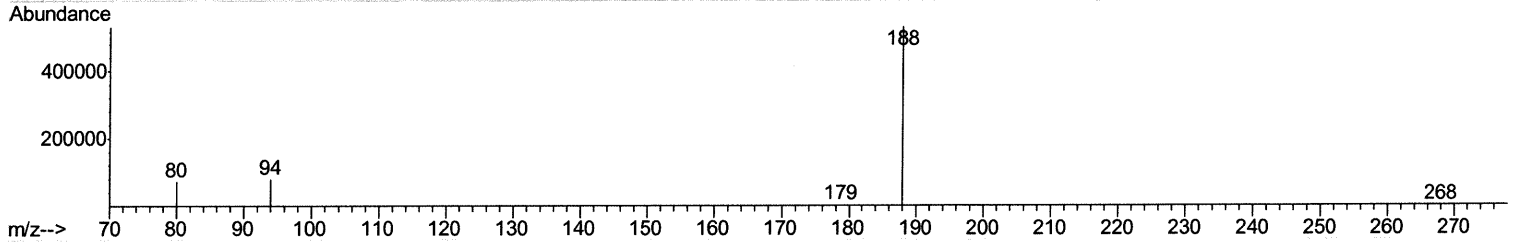
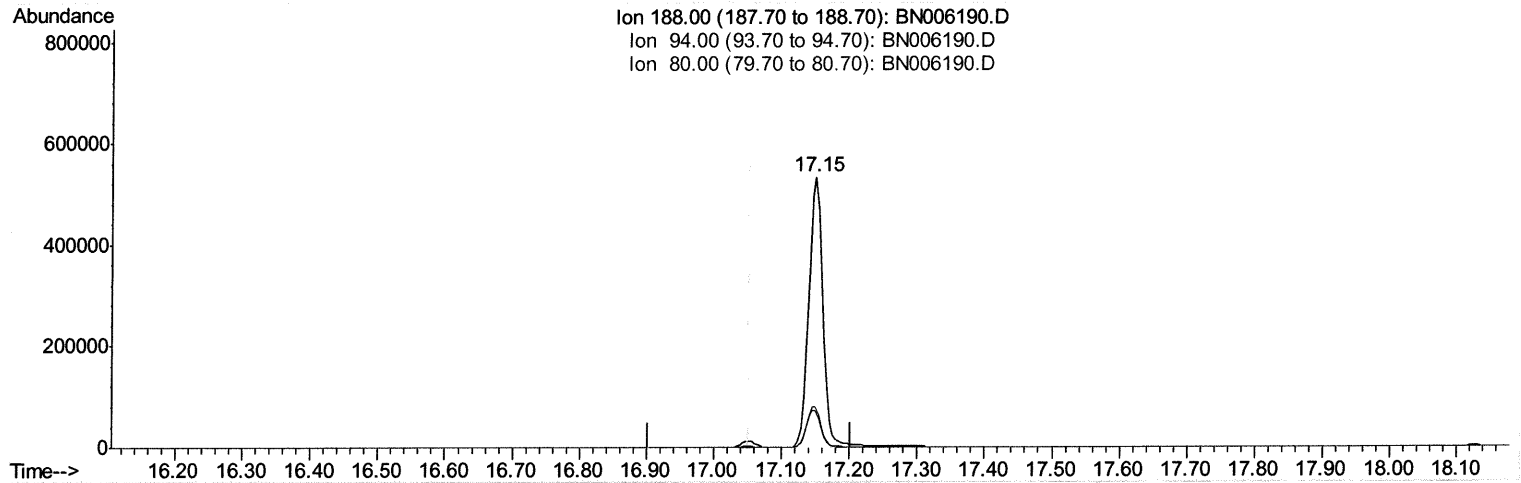
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:40:23 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



TIC: BN006190.D

(10) Phenanthrene-d10 (I)
 17.149min (+0.097) 0.40ng/ul
 response 747146

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.05
80.00	13.60	13.52
0.00	0.00	0.00

Quantitation Report (Qedit)

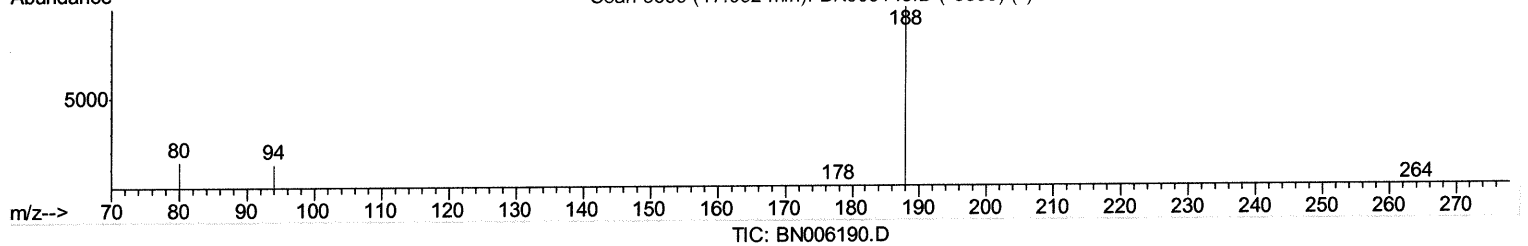
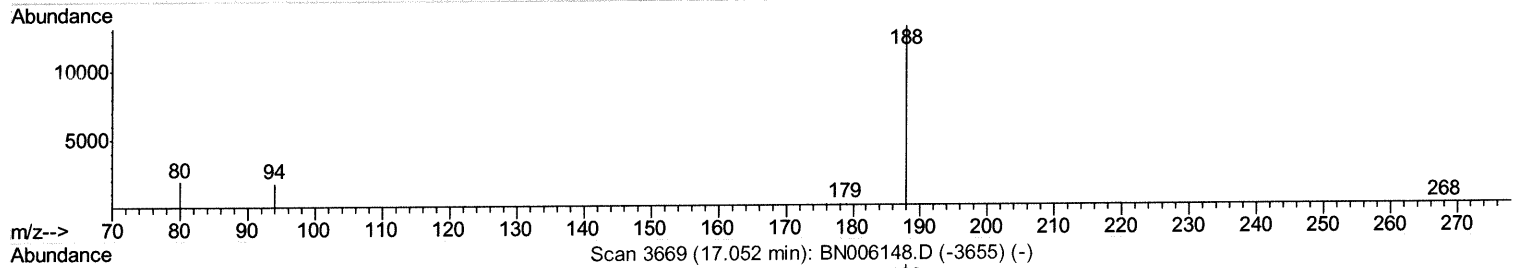
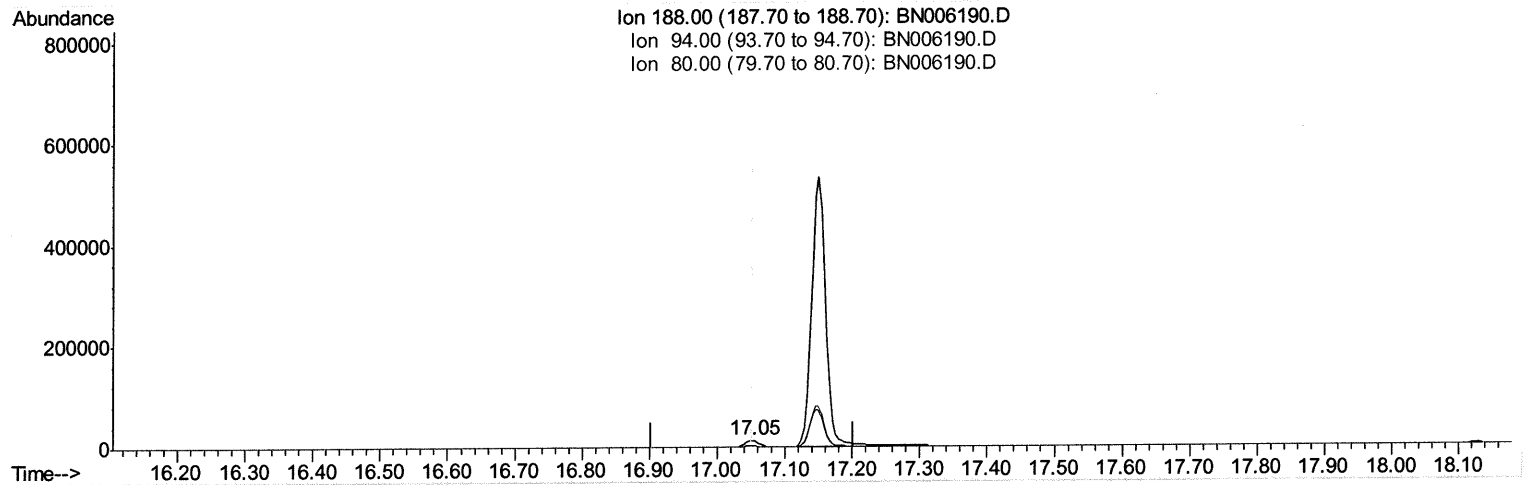
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:40:23 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.052min (+0.000) 0.40ng/ul m *Ju 06/10/19*

response 19058

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.49
80.00	13.60	14.42
0.00	0.00	0.00

Quantitation Report (Qedit)

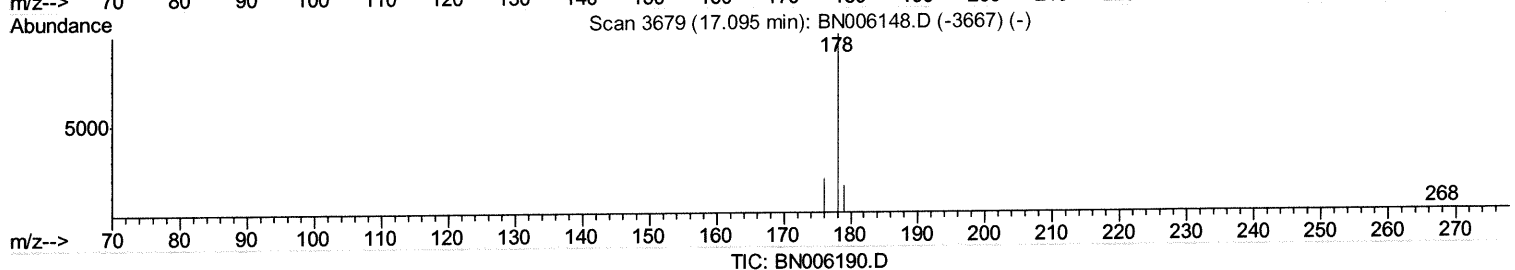
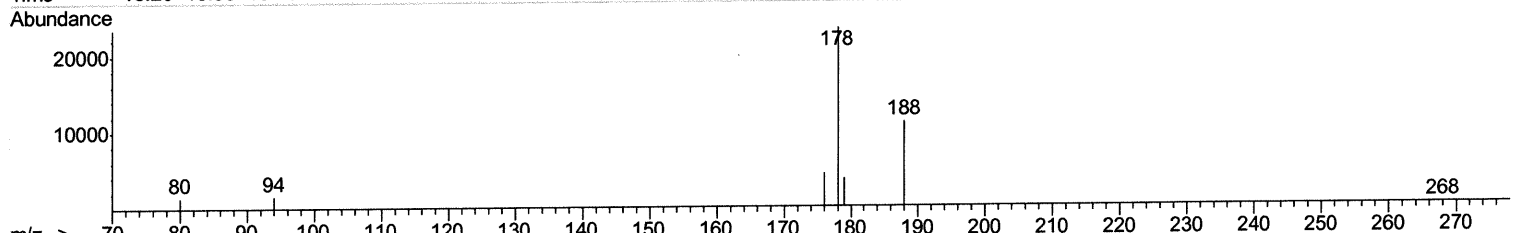
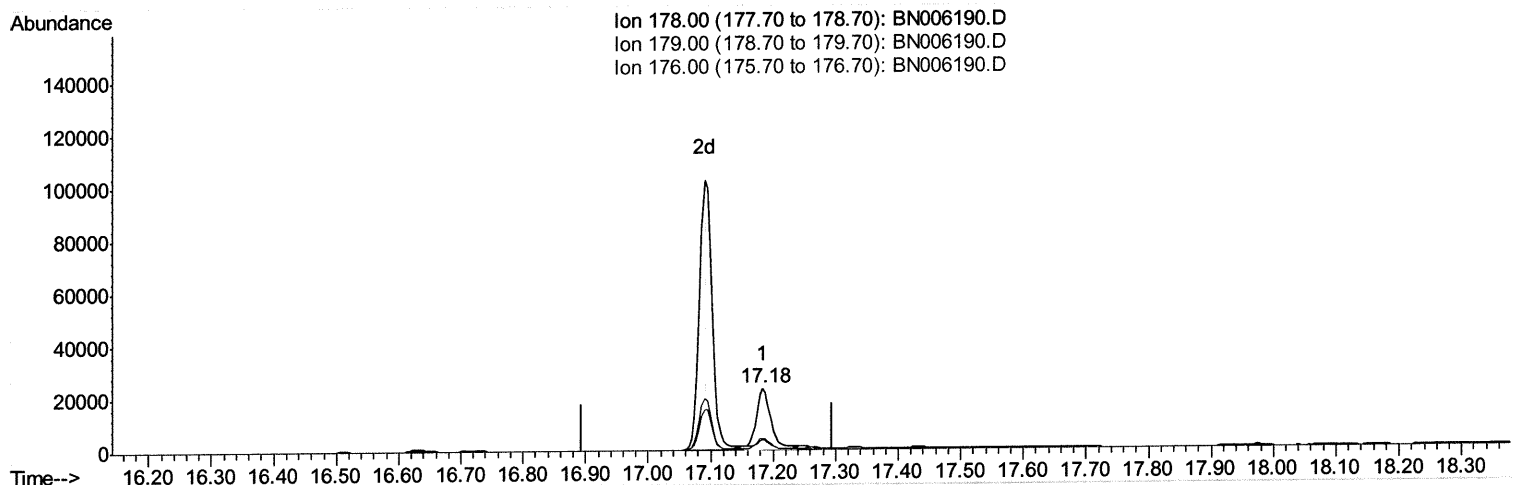
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.183min (+0.089) 0.66ng/ul

response 40288

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.96
176.00	19.10	18.89
0.00	0.00	0.00

Quantitation Report (Qedit)

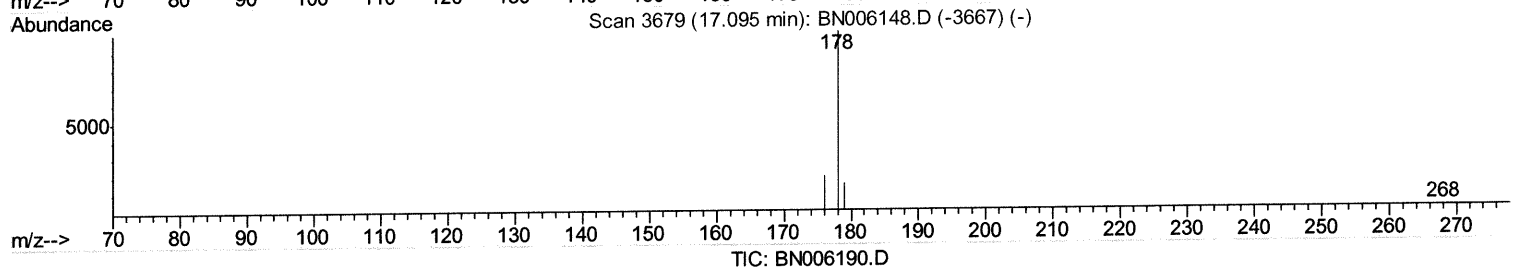
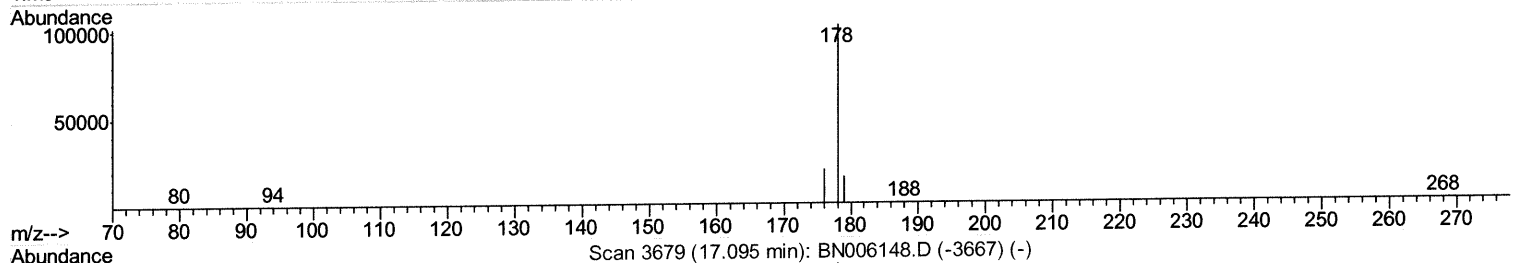
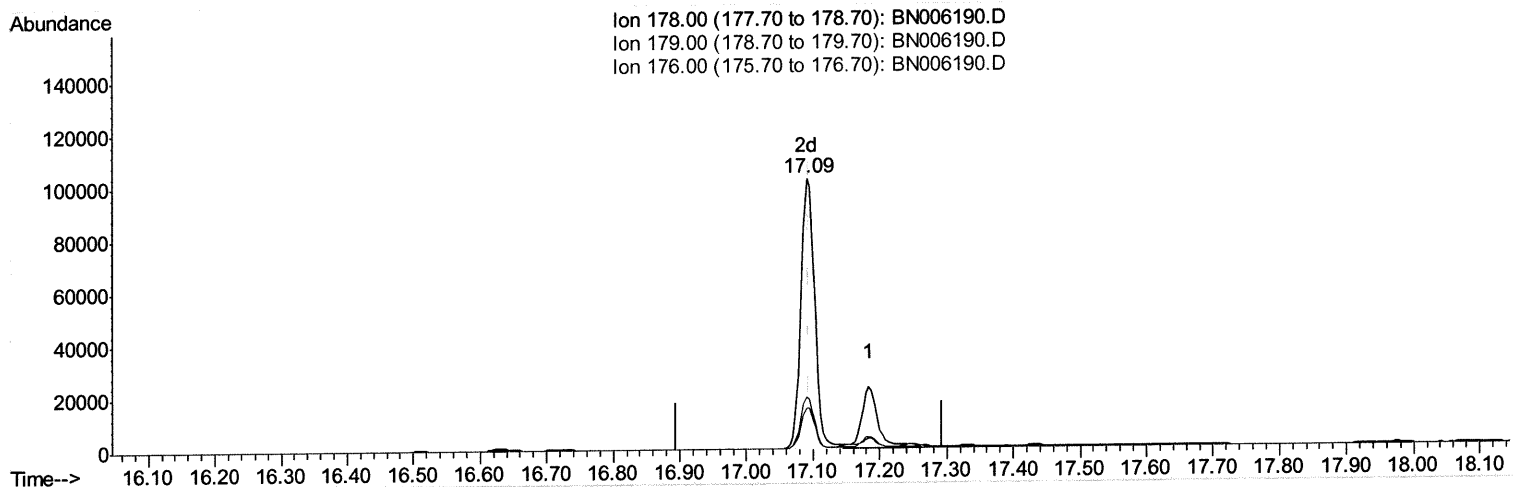
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.090min (-0.004) 2.38ng/ul m

JU
 06/10/19

response 145618

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.14
176.00	19.10	19.31
0.00	0.00	0.00

Quantitation Report (Qedit)

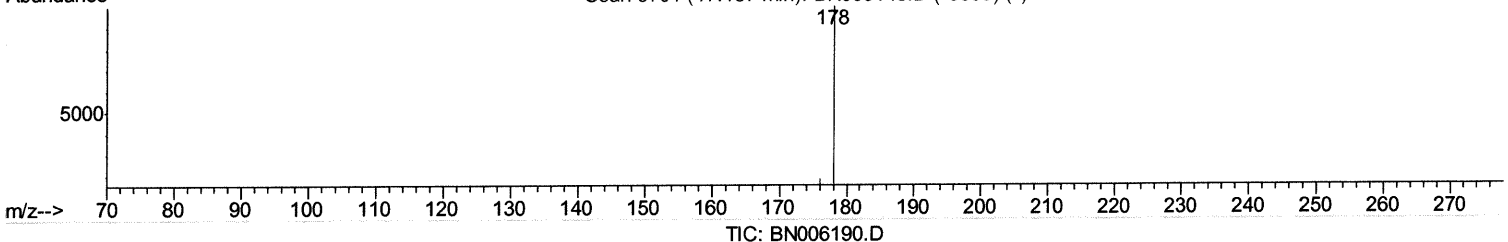
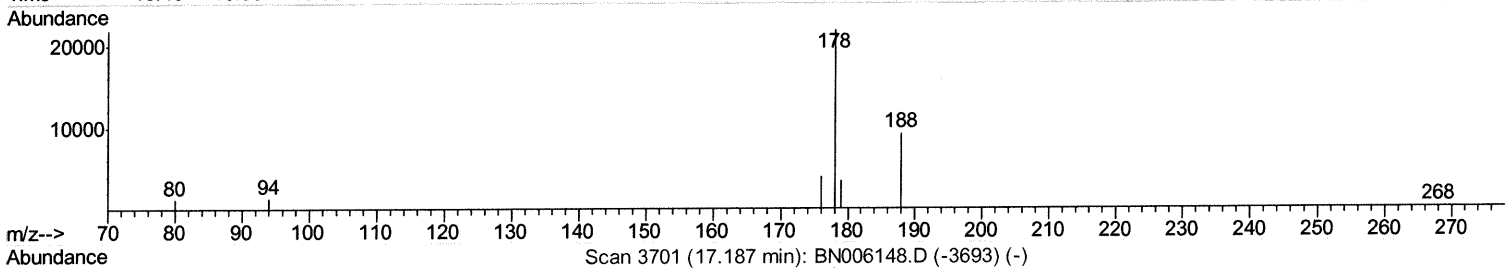
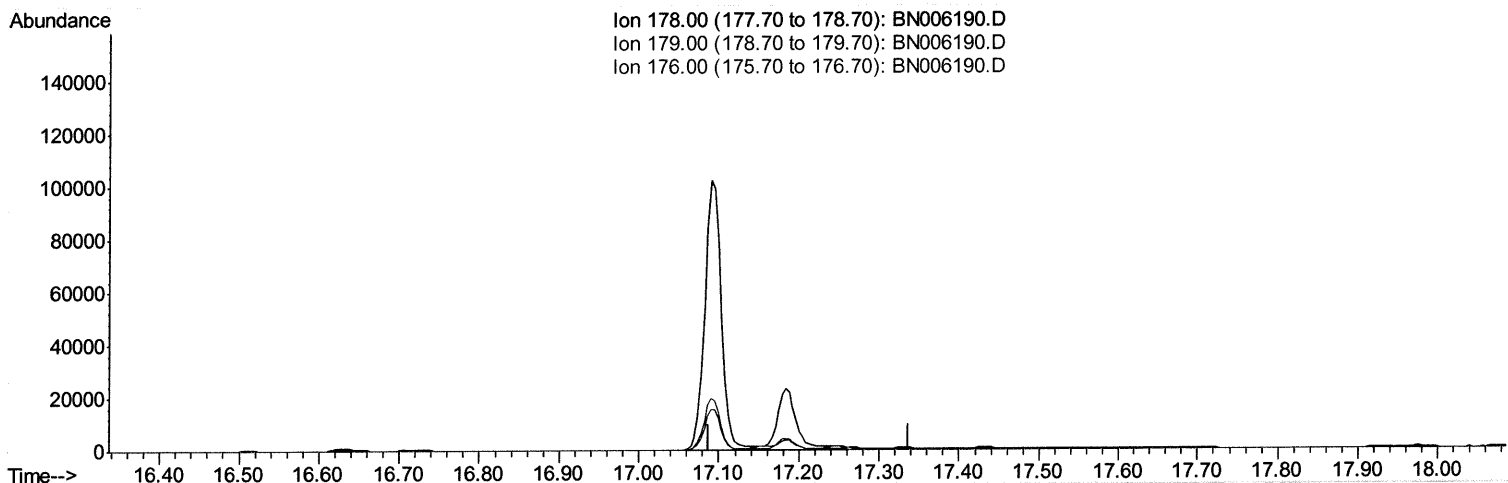
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 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)

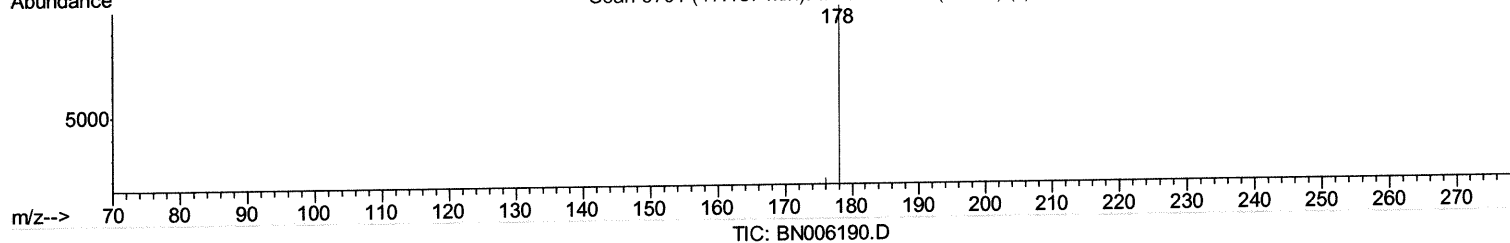
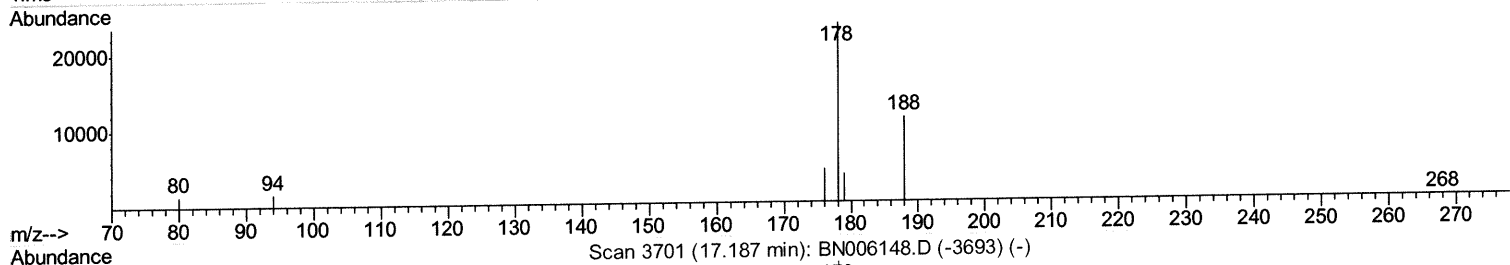
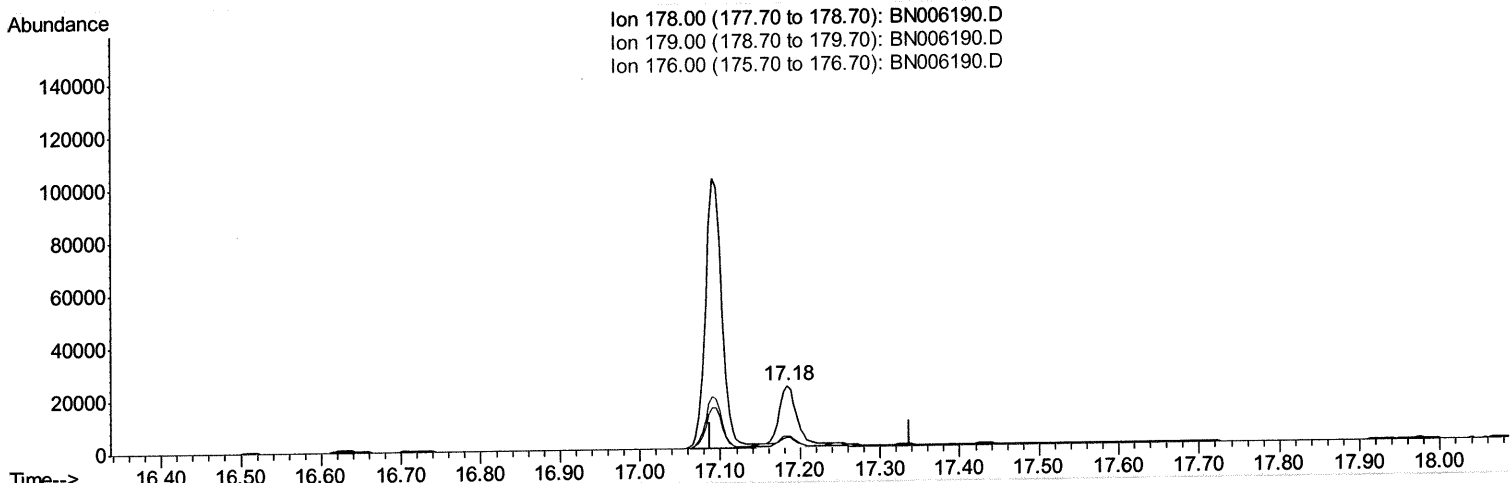
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(13) Anthracene

17.183min (-0.004) 0.71ng/ul m ^{JU} 06/10/19

response 41562

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.96
176.00	18.90	18.89
0.00	0.00	0.00

Quantitation Report (Qedit)

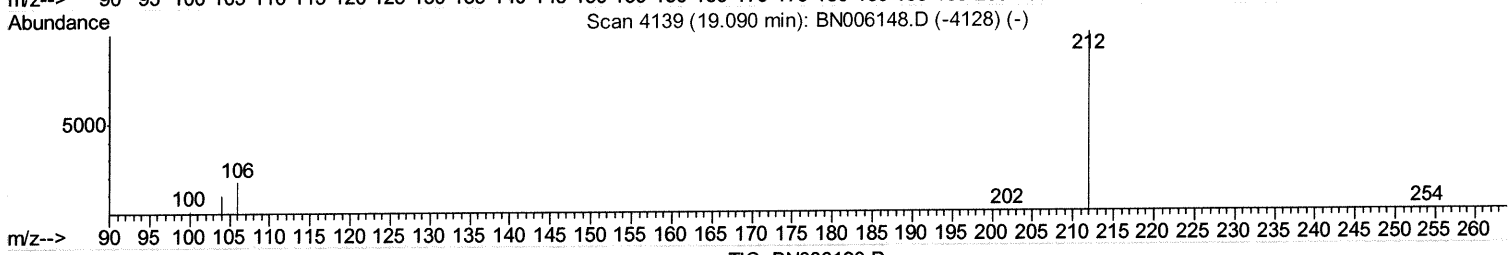
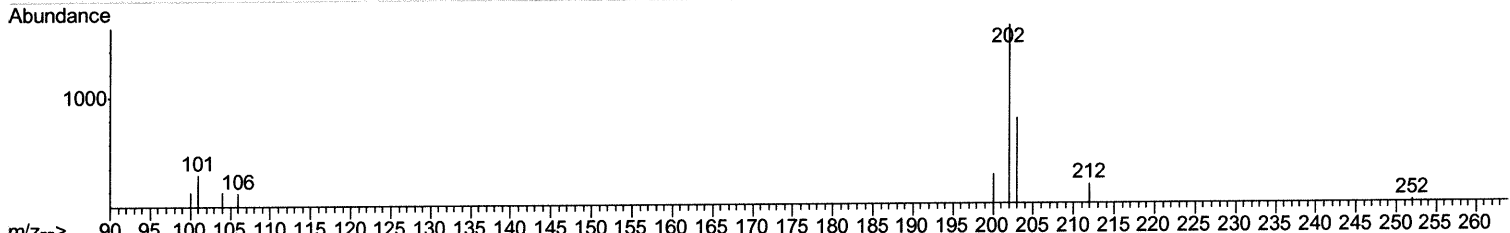
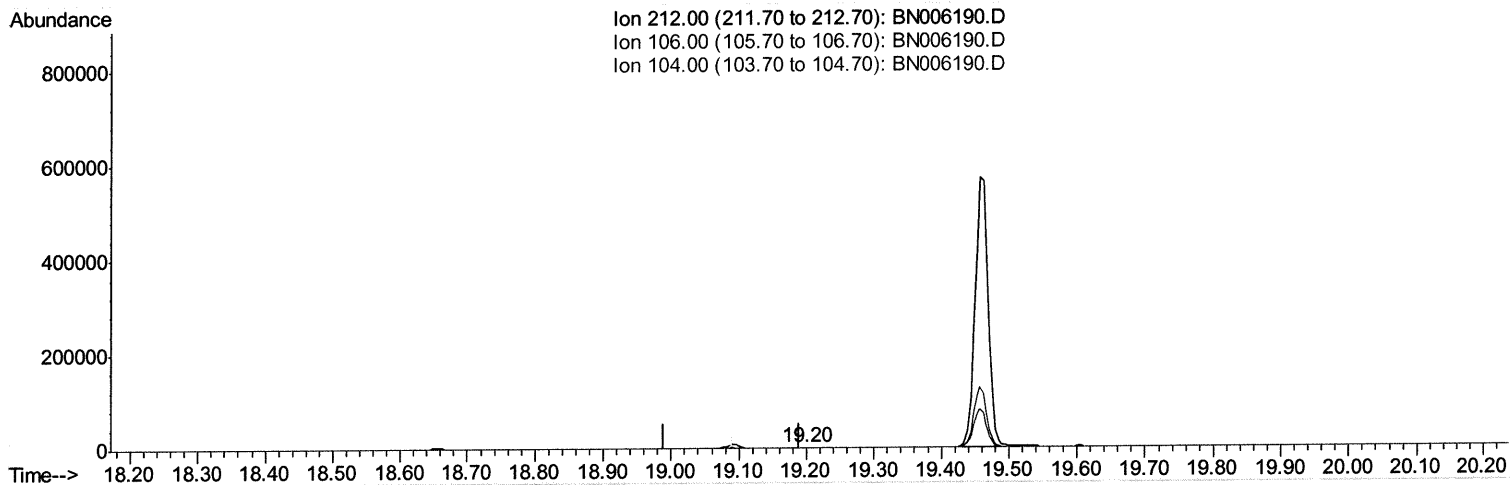
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



TIC: BN006190.D

(14) Fluoranthene-d10 (SURR)

19.197min (+0.107) 0.00ng/ul

response 236

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	30.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

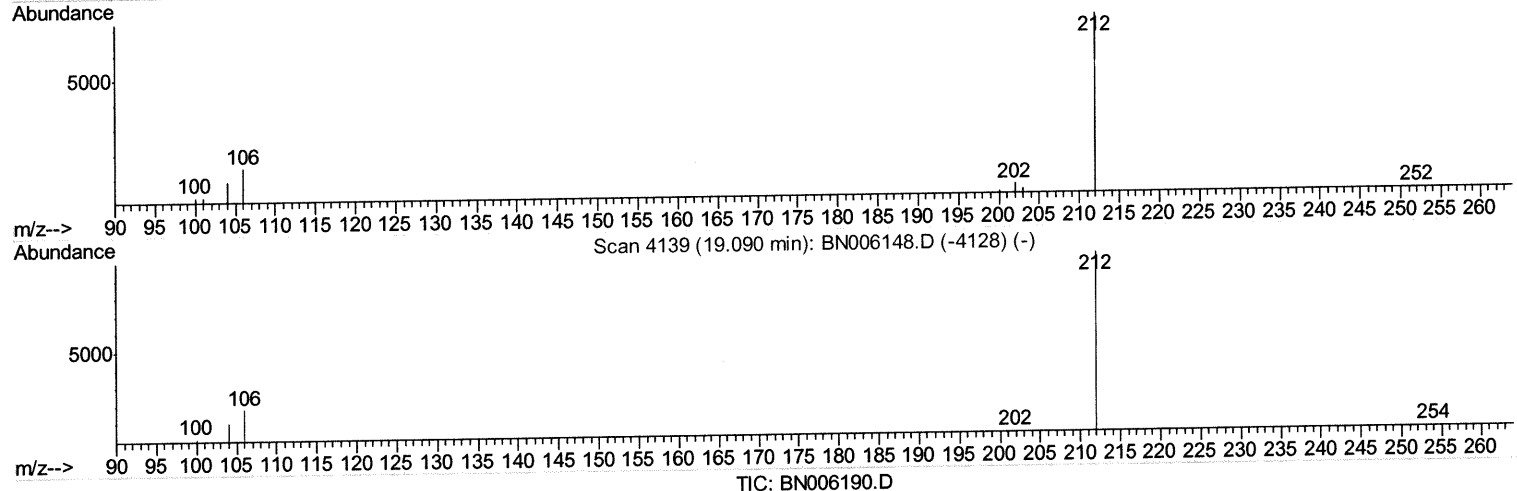
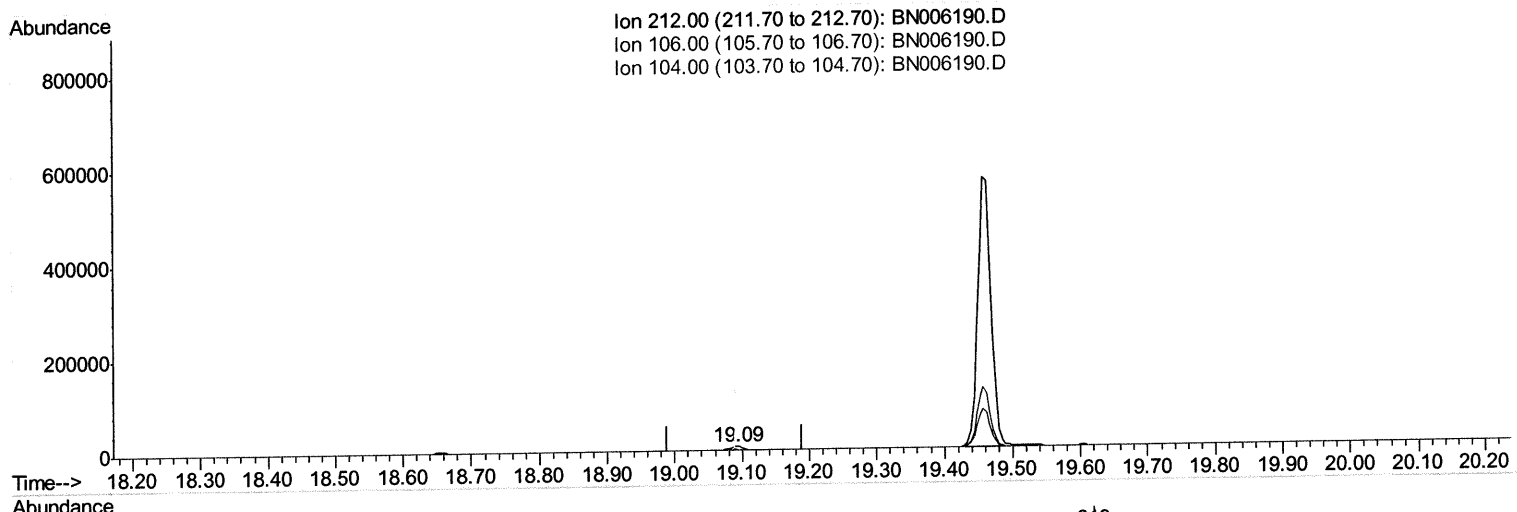
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (+0.000) 0.20ng/ul m²⁰ 06/10/19

response 10102

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

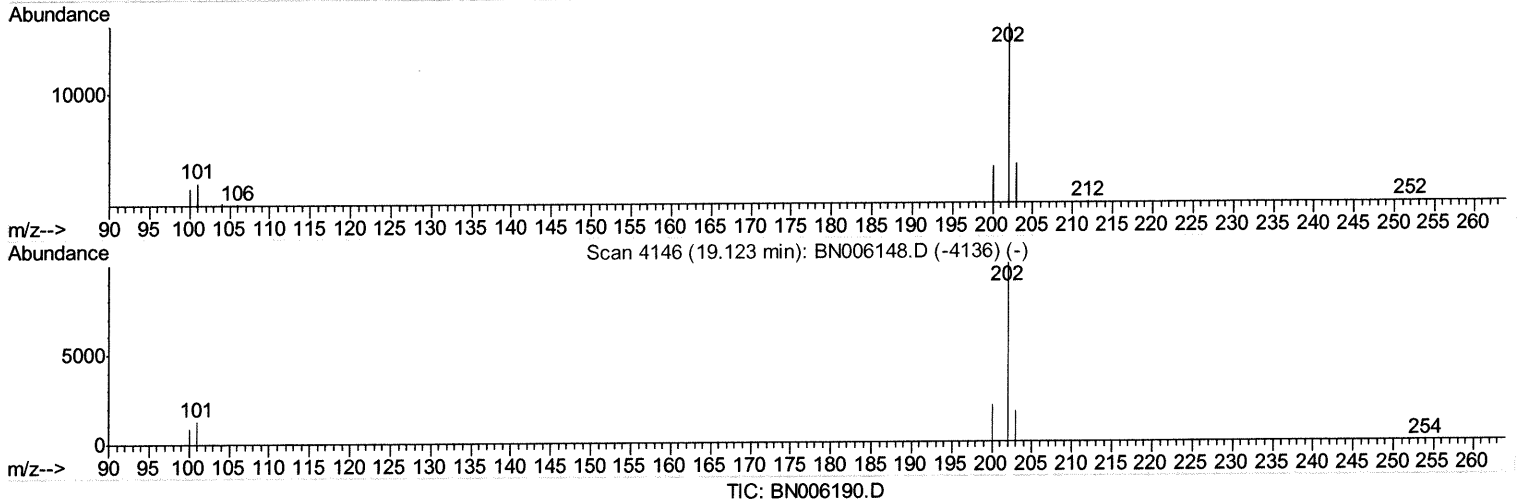
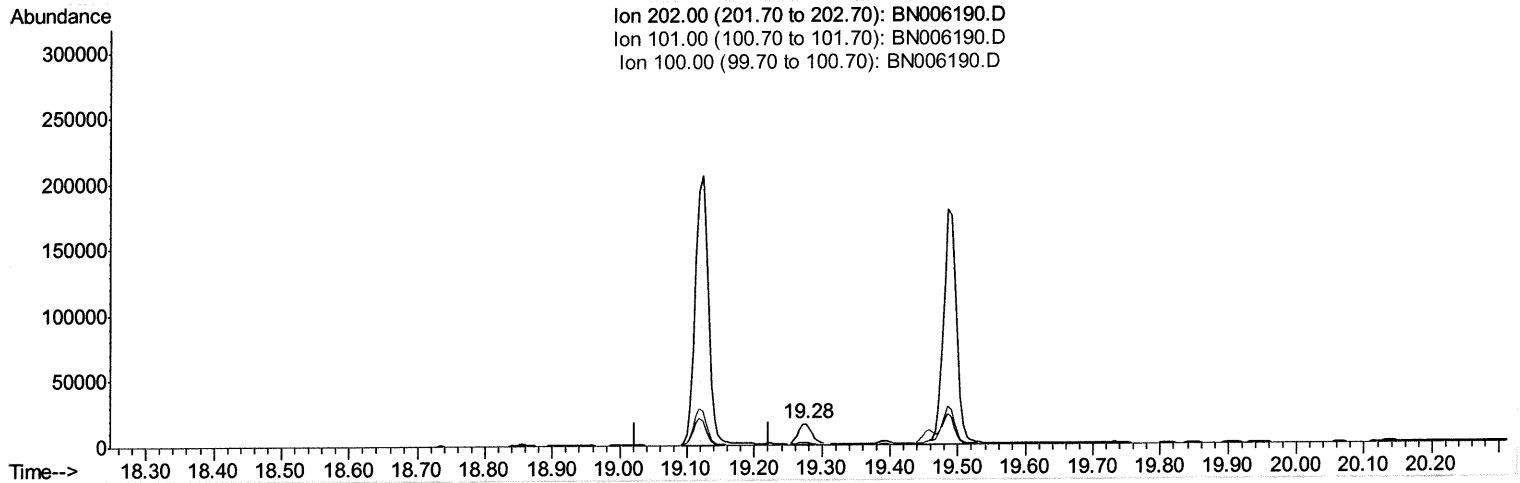
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.276min (+0.153) 0.32ng/ul

response 21478

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.08
100.00	8.70	9.76
0.00	0.00	0.00

Quantitation Report (Qedit)

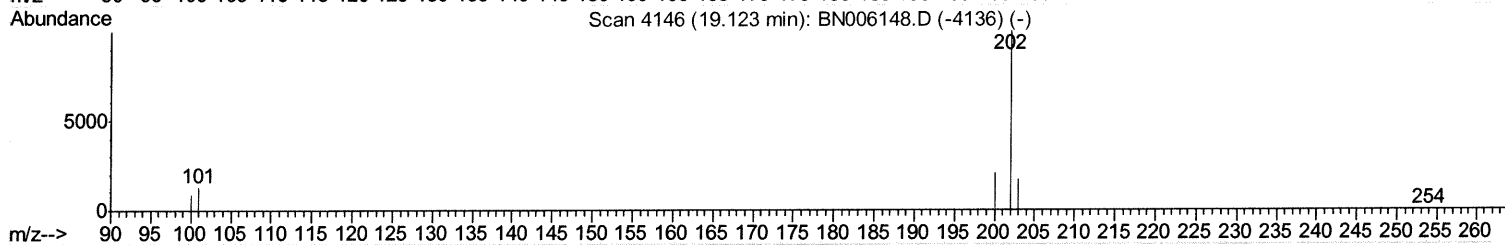
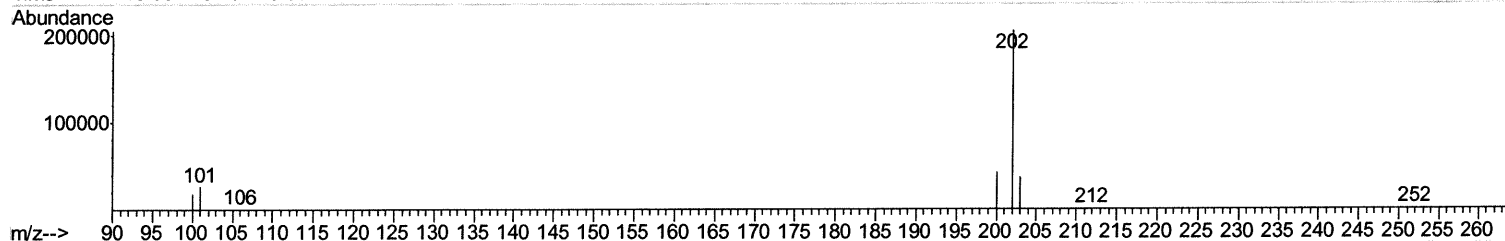
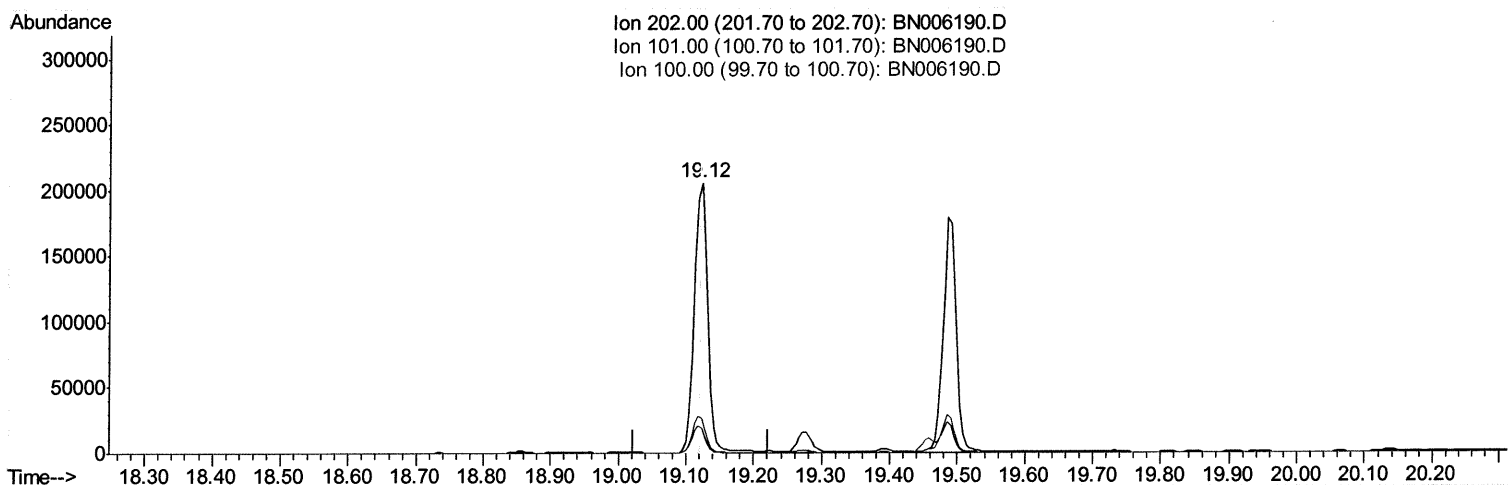
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



TIC: BN006190.D

(15) Fluoranthene (C)

19.123min (+0.000) 4.15ng/ul m *JU 06/10/19*

response 280326

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	12.87
100.00	8.70	9.18
0.00	0.00	0.00

Quantitation Report (Qedit)

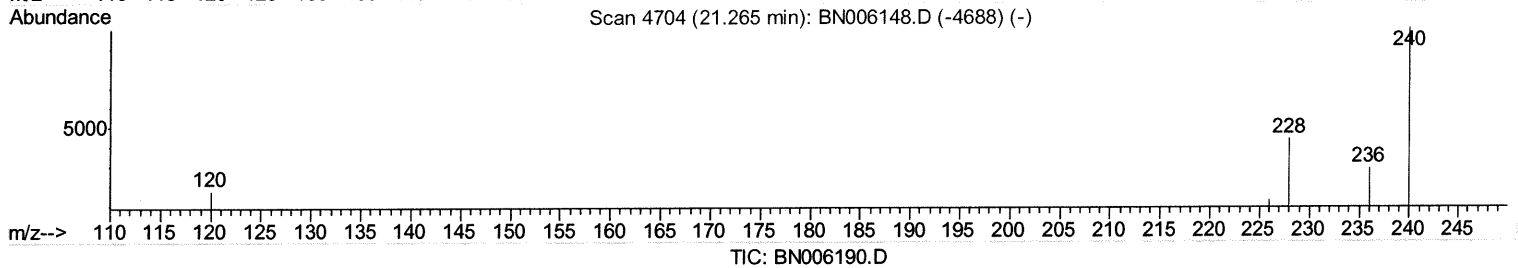
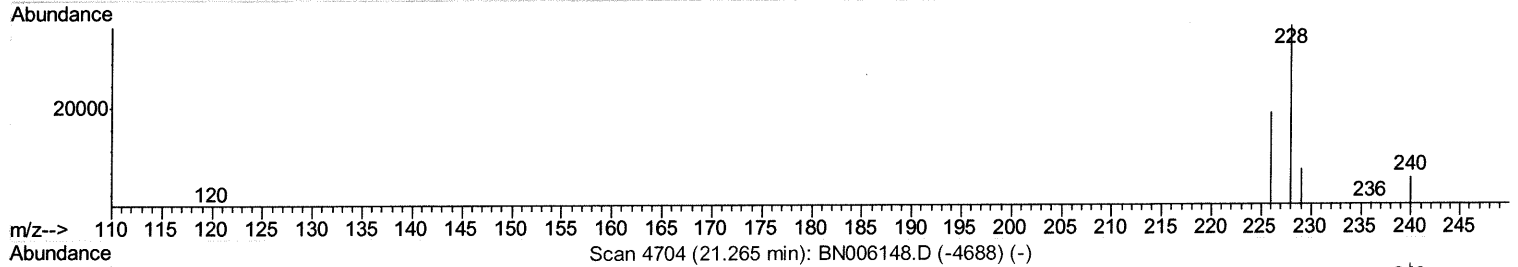
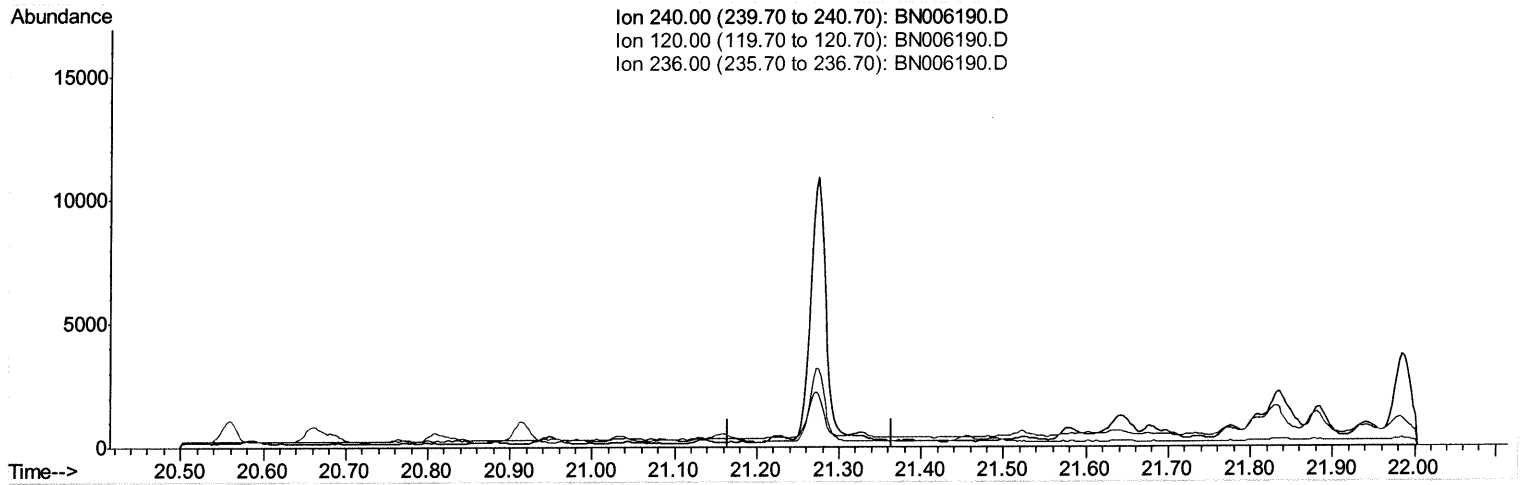
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.265min (-21.265) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

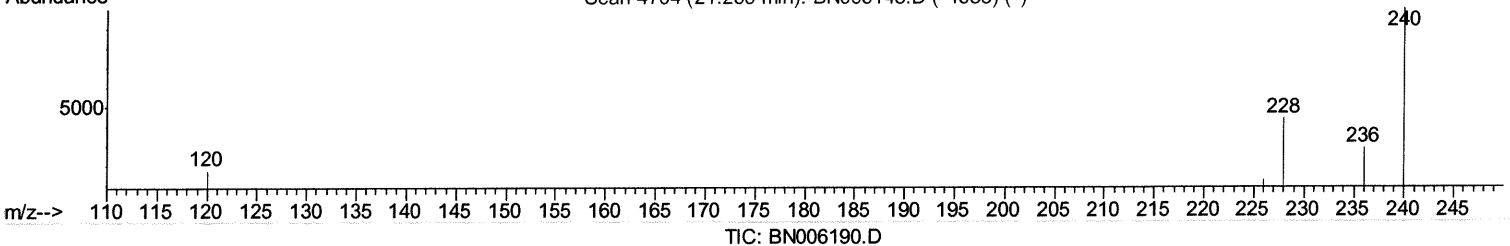
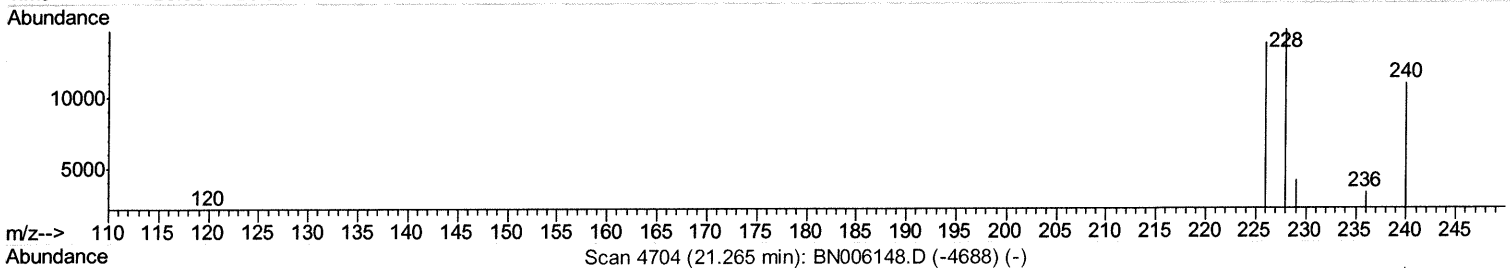
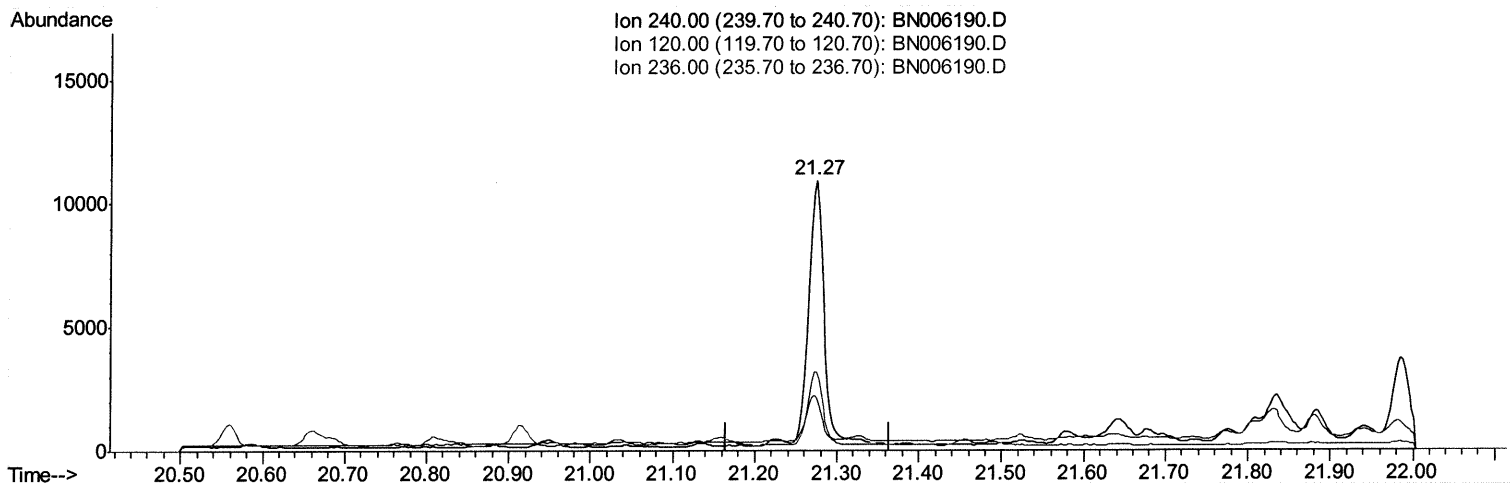
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:42:24 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.274min (+0.009) 0.40ng/ul m

JU
 06/10/19

response 13804

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.36
236.00	30.10	29.32
0.00	0.00	0.00

Quantitation Report (Qedit)

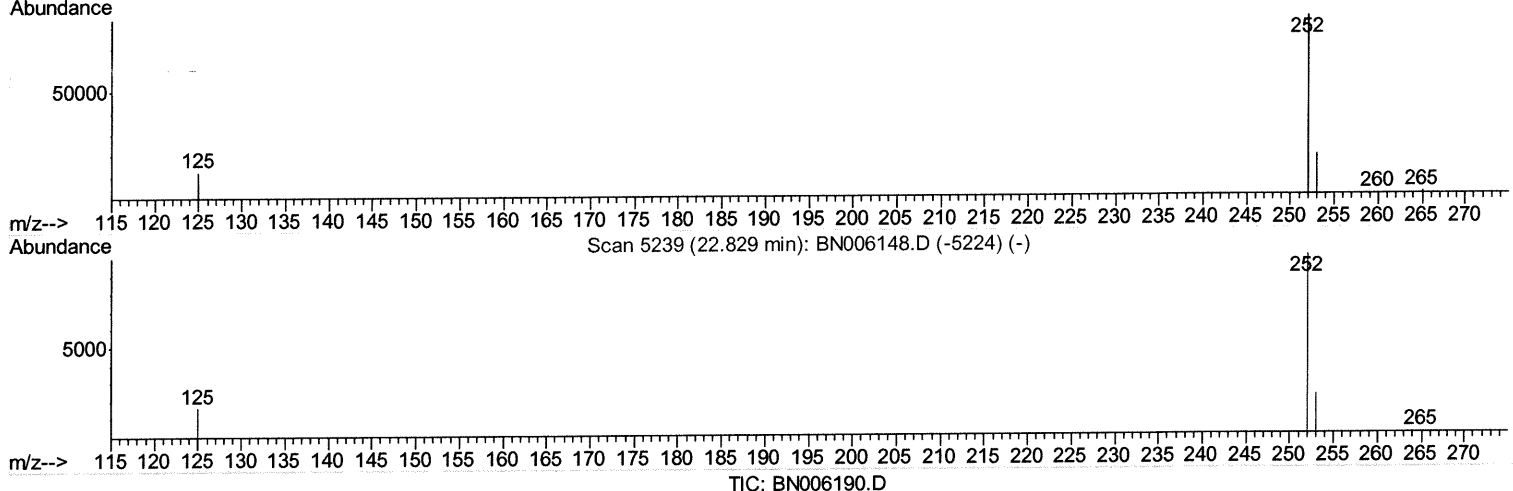
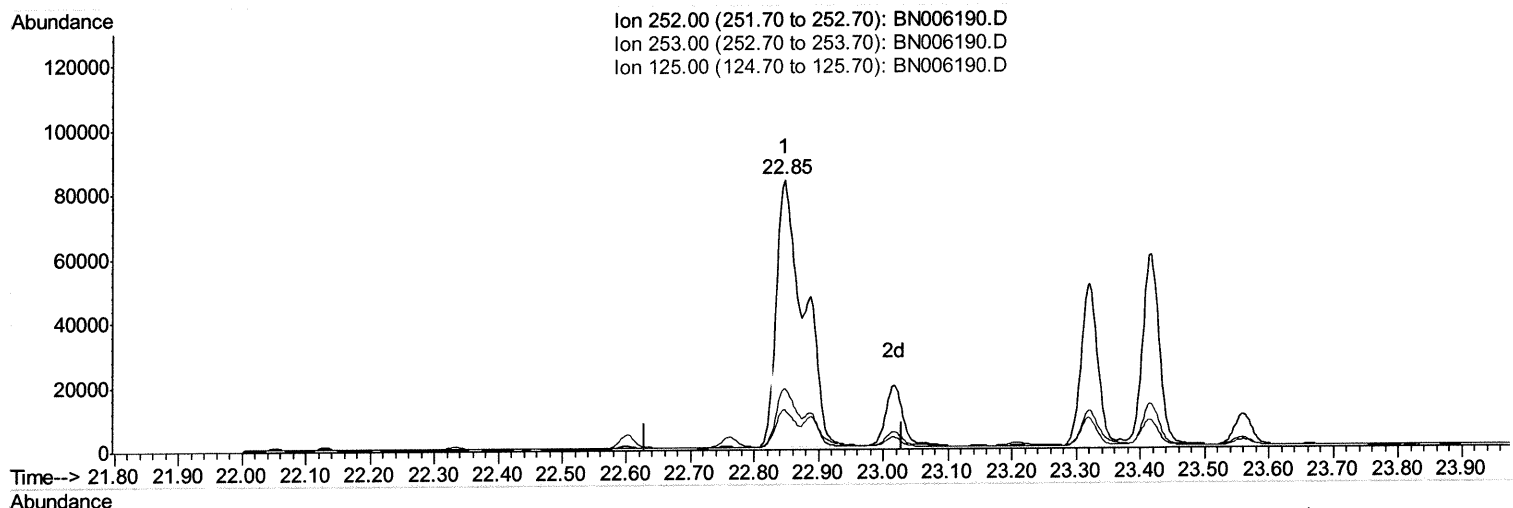
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:46:18 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.846min (+0.018) 2.84ng/ul

response 252701

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	22.64
125.00	20.50	14.80
0.00	0.00	0.00

Quantitation Report (Qedit)

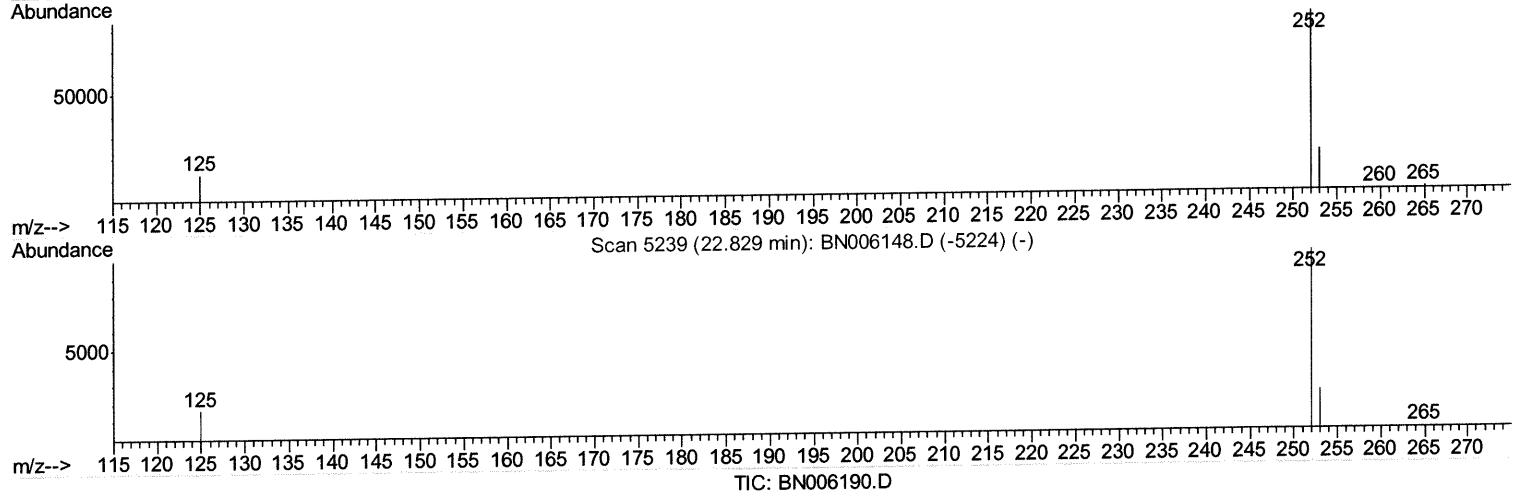
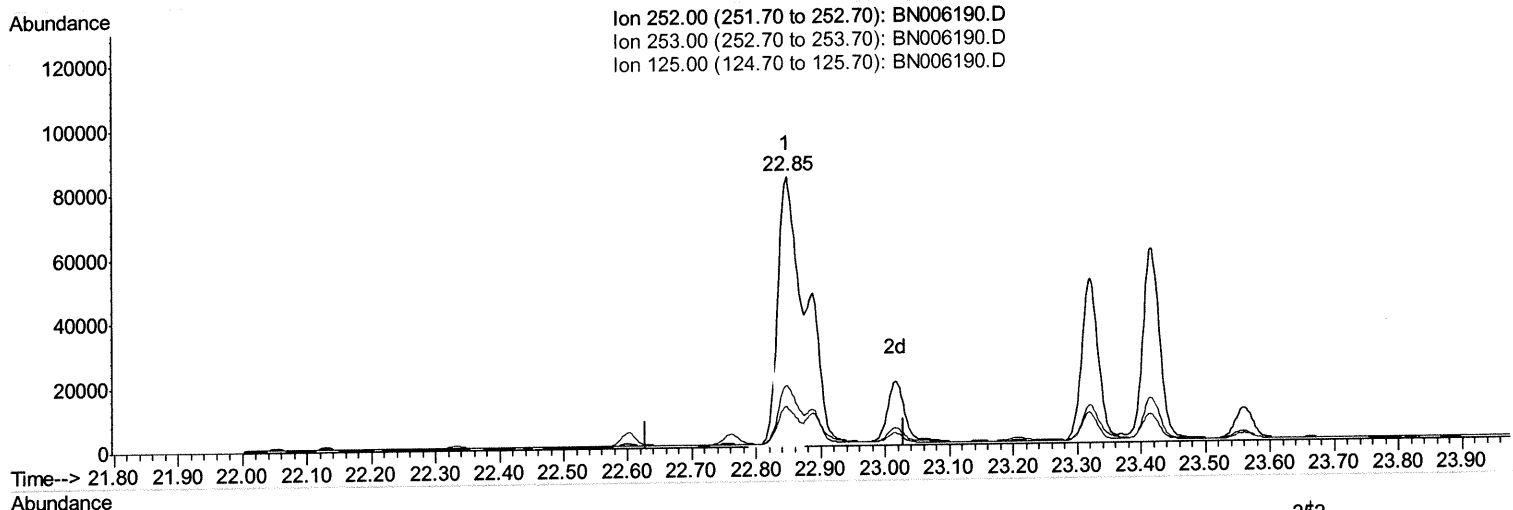
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:46:18 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.846min (+0.018) 2.02ng/ul m *Ju* 06/10/19

response 179212

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	22.64
125.00	20.50	14.80
0.00	0.00	0.00

Quantitation Report (Qedit)

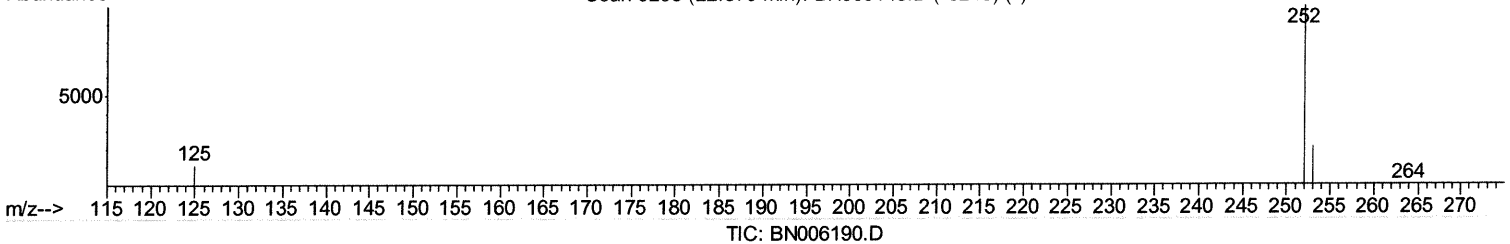
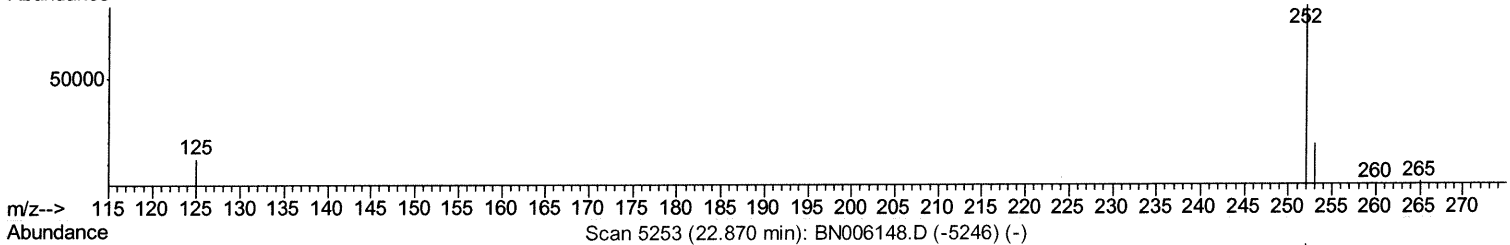
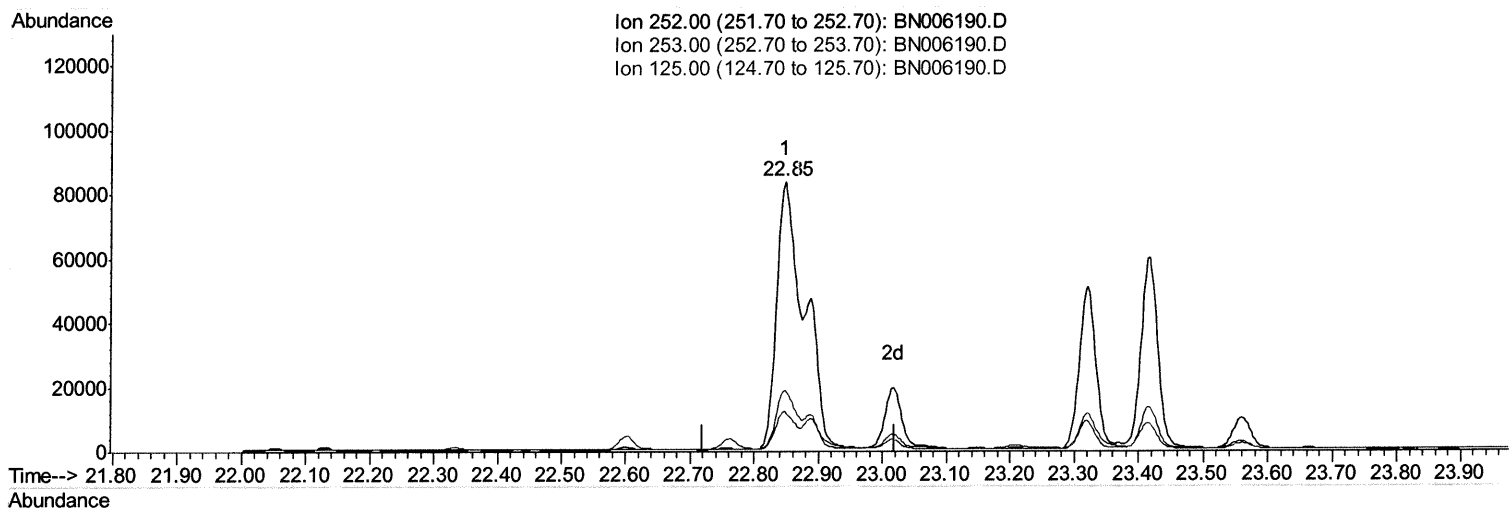
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:46:18 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.846min (-0.023) 2.92ng/ul

response 252701

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	22.64
125.00	17.90	14.80
0.00	0.00	0.00

Quantitation Report (Qedit)

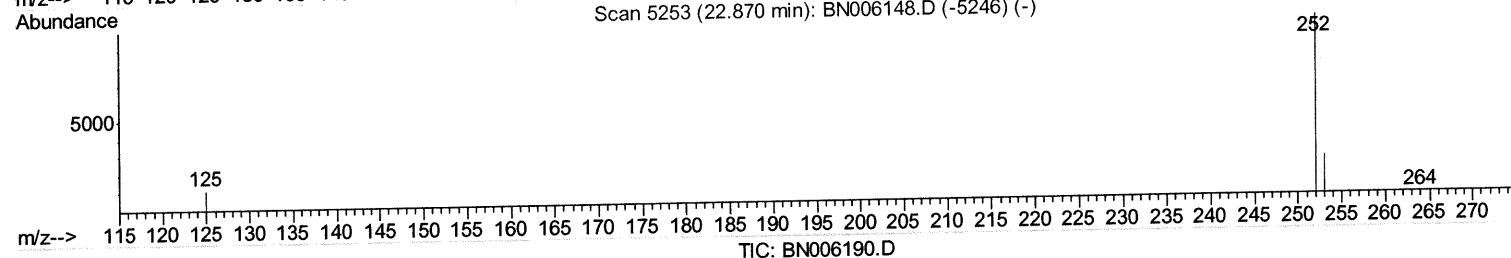
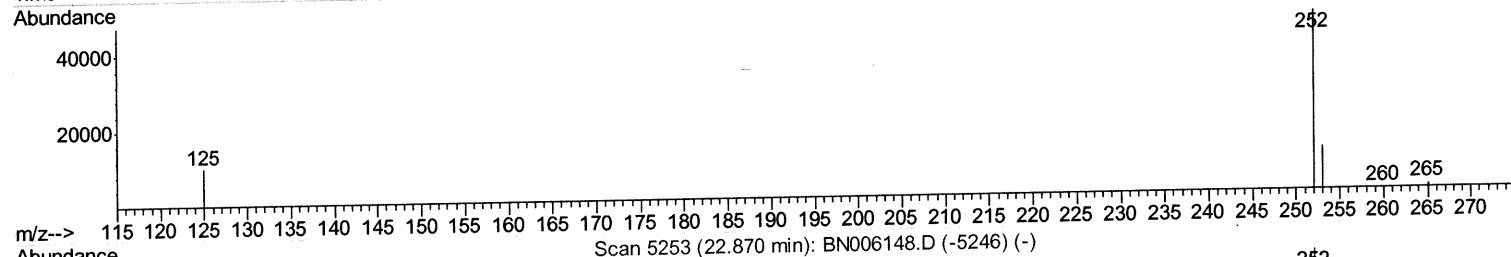
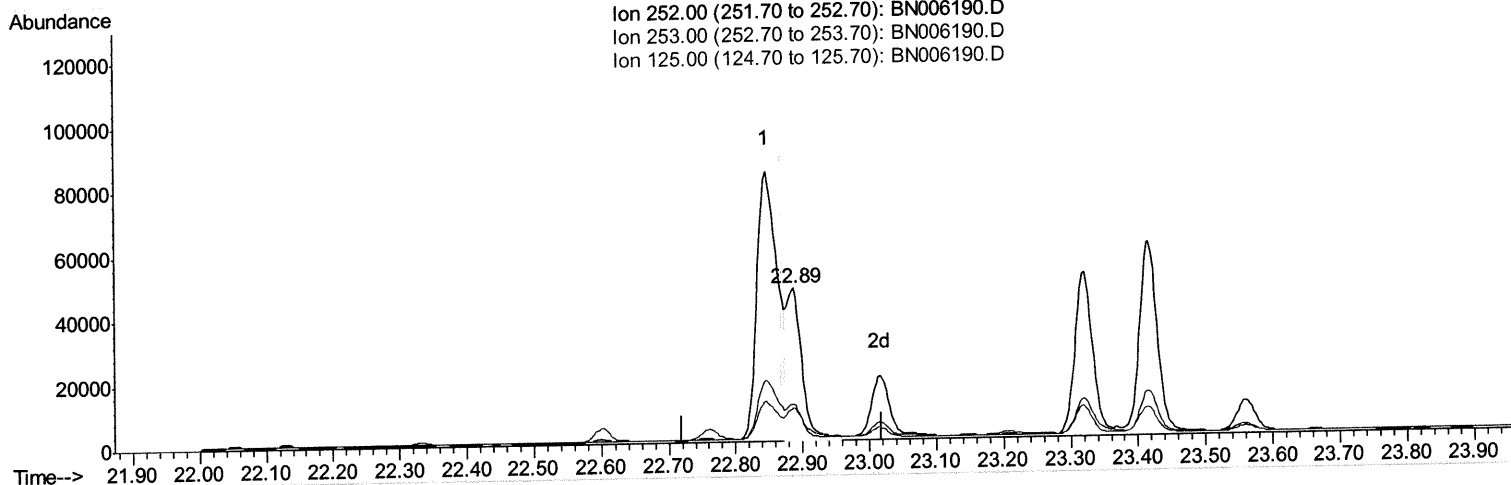
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:49:47 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.887min (+0.018) 0.91ng/ul m *JU 06/10/19*

response 78833

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	24.12
125.00	17.90	21.44
0.00	0.00	0.00

Quantitation Report (Qedit)

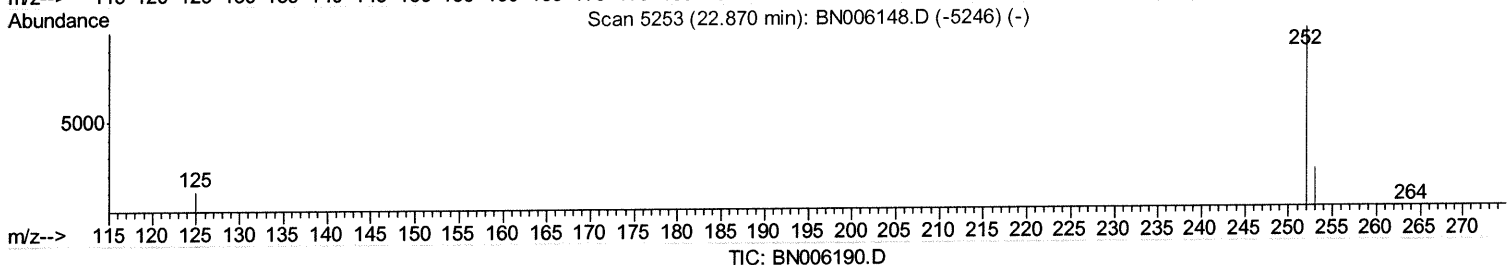
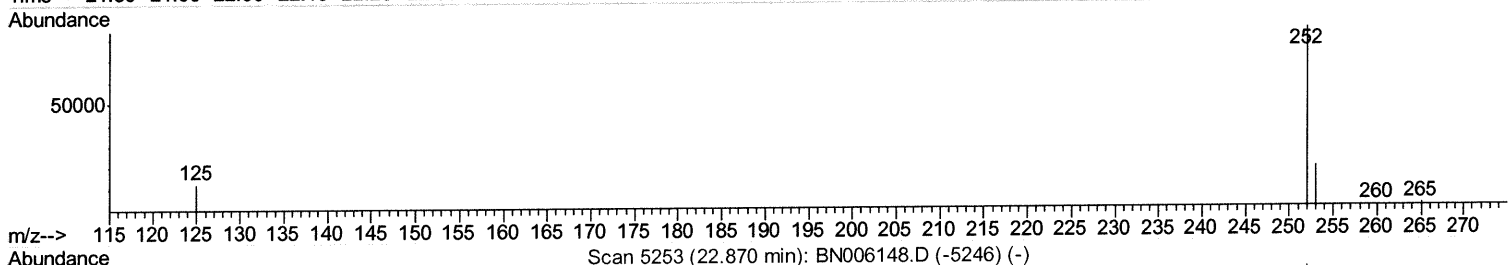
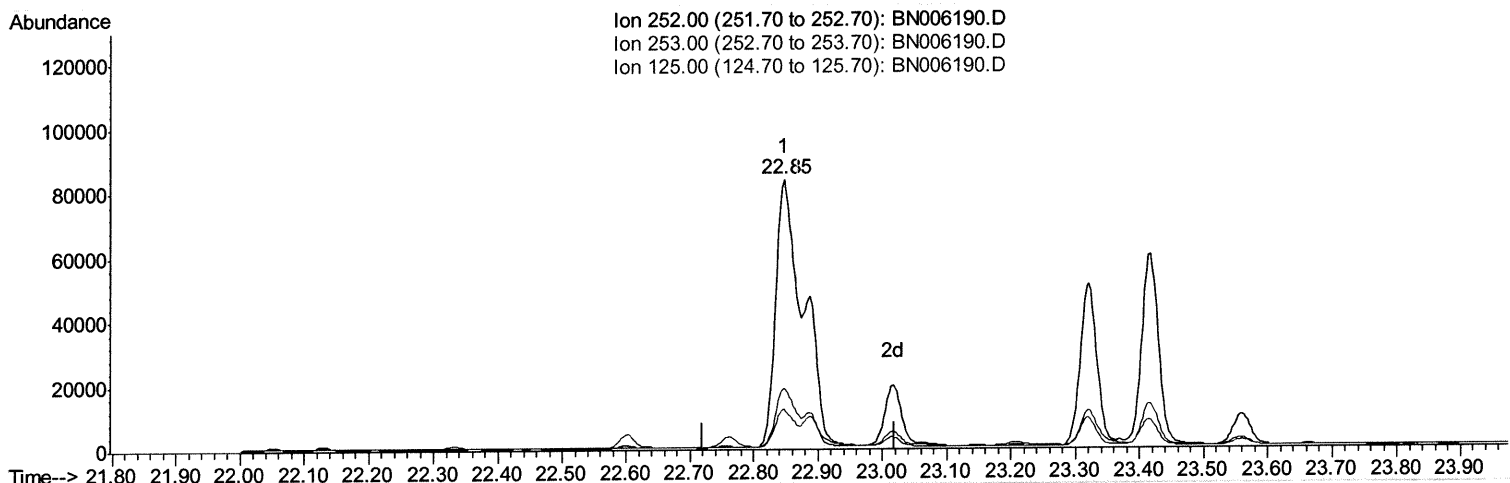
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:30:38 PM

Quant Time: Jun 08 15:46:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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 QLast Update : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 22.846min (-0.023) 2.92ng/ul

response 252701

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	22.64
125.00	17.90	14.80
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
 Data File : BN006190.D
 Acq On : 08 Jun 2019 14:29
 Operator : JU/SJ
 Sample : K3016-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D3

Manual Integrations
 APPROVED

mohammad
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Quant Time: Jun 08 15:49:47 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5120	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	19800	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9954	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19058m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	13804m>	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	21325	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	5271	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	10102m>	0.20	ng/ul	0.00
Target Compounds						
3) Naphthalene	10.48	128	5112	0.094	ng/ul#	95
5) 2-Methylnaphthalene	12.10	142	2171	0.057	ng/ul	96
7) Acenaphthylene	14.01	152	62083	1.122	ng/ul	100
8) Acenaphthene	14.36	153	1651	0.043	ng/ul#	94
9) Fluorene	15.35	166	6059	0.135	ng/ul#	95
12) Phenanthrene	17.09	178	145618m>	2.380	ng/ul	
13) Anthracene	17.18	178	41562m>	0.711	ng/ul	
15) Fluoranthene	19.12	202	280326m>	4.150	ng/ul	
17) Pyrene	19.49	202	241939	3.327	ng/ul	98
18) Benzo(a)anthracene	21.26	228	78675	1.289	ng/ul	94
19) Chrysene	21.31	228	133076	2.322	ng/ul	99
21) Benzo(b)fluoranthene	22.85	252	179212m>	2.015	ng/ul	
22) Benzo(k)fluoranthene	22.89	252	78833m>	0.910	ng/ul	
23) Benzo(a)pyrene	23.42	252	107765	1.301	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.75	276	92694	1.034	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.75	278	21000	0.293	ng/ul	100
26) Benzo(a,h,i)perylene	26.43	276	78526	1.046	ng/ul	95

Jo 06/10/19

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