

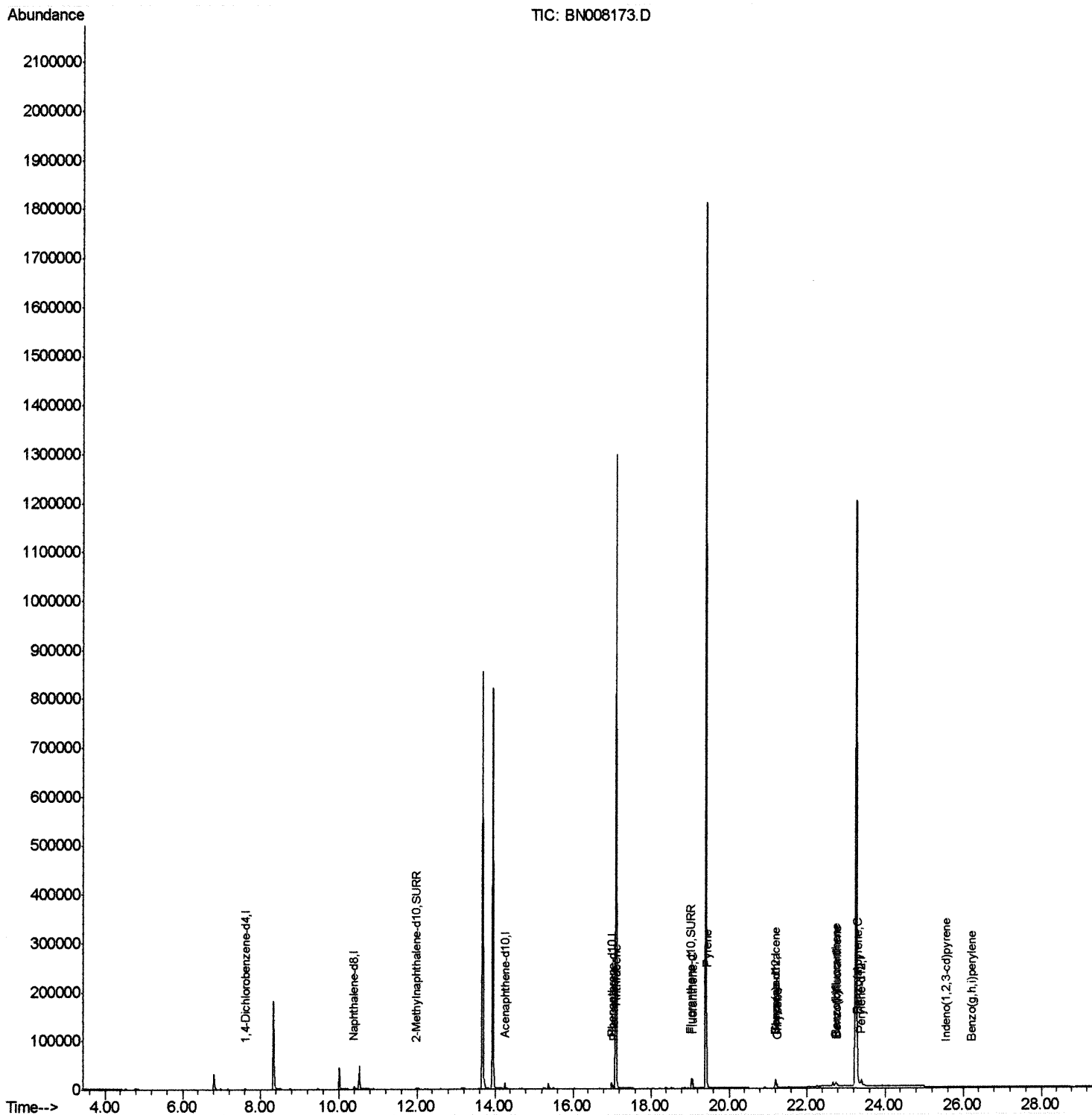
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:48:01 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



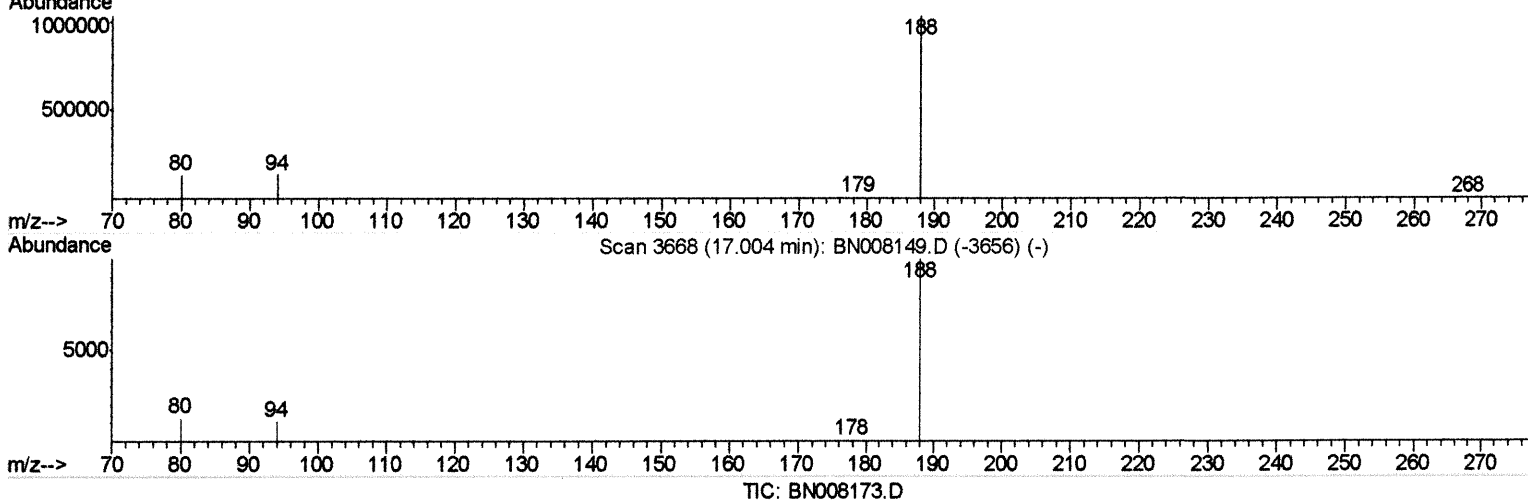
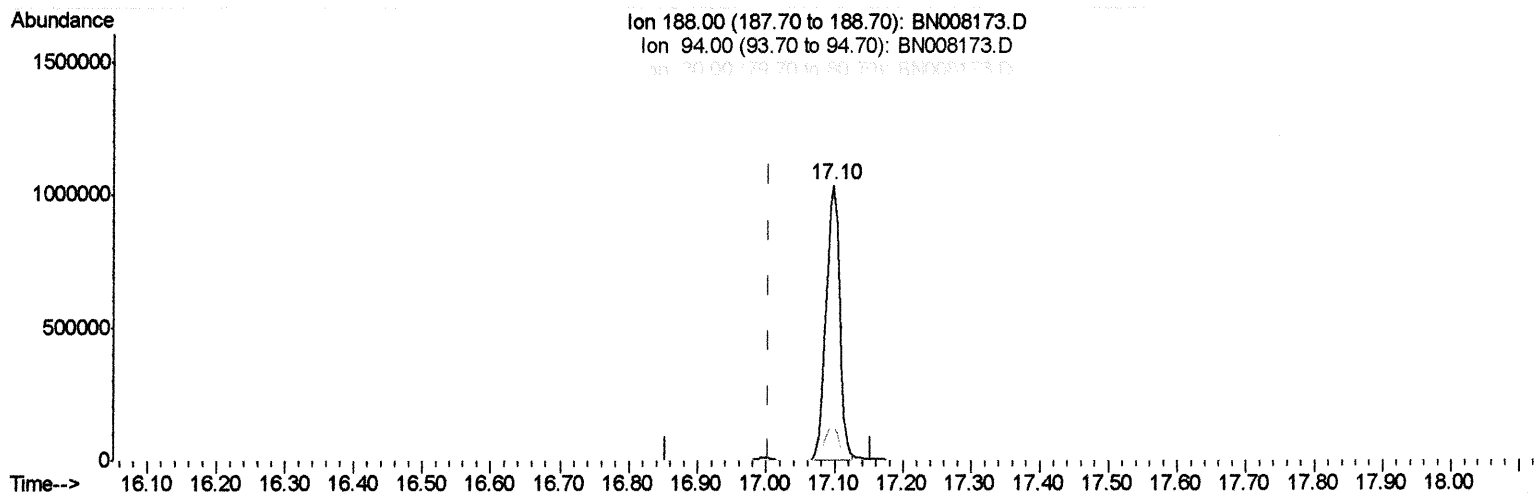
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:44:08 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.097min (+0.093) 0.40ng/ul

response 1440256

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.85
80.00	12.60	12.61
0.00	0.00	0.00

Quantitation Report (Qedit)

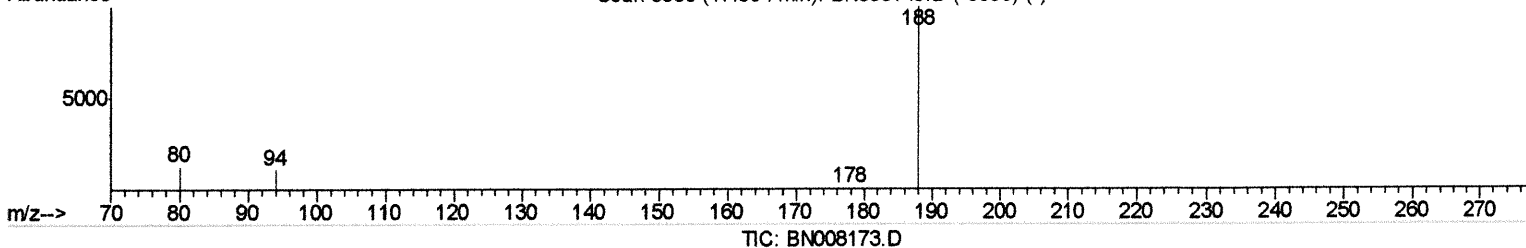
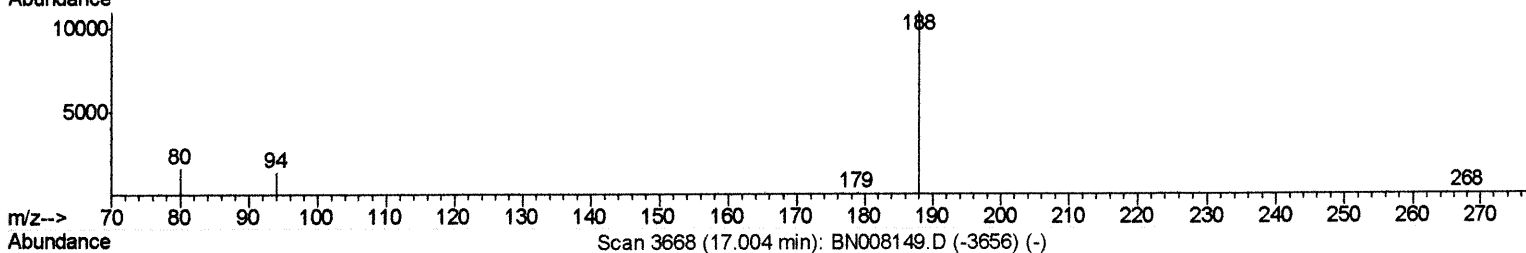
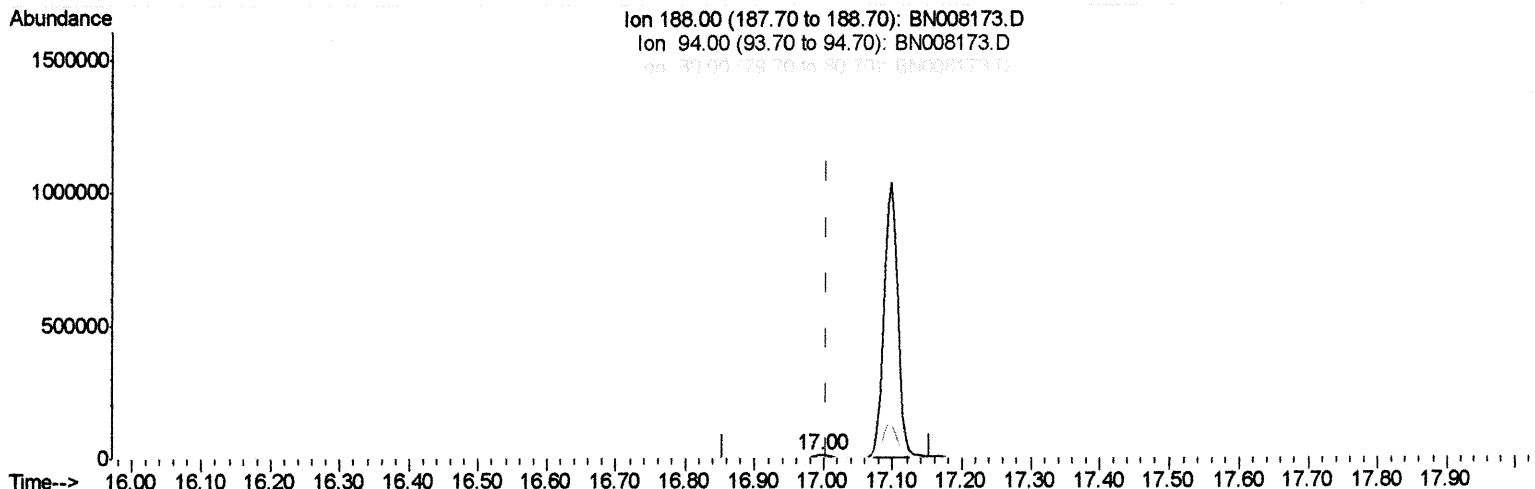
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
 Data File : BN008173.D
 Acq On : 15 Oct 2019 15:03
 Operator : JU
 Sample : K5175-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP85

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:44:08 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 : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

16.996min (-0.008) 0.40ng/ul m *24*

10/16/19

response 15763

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.16
80.00	12.60	14.59
0.00	0.00	0.00

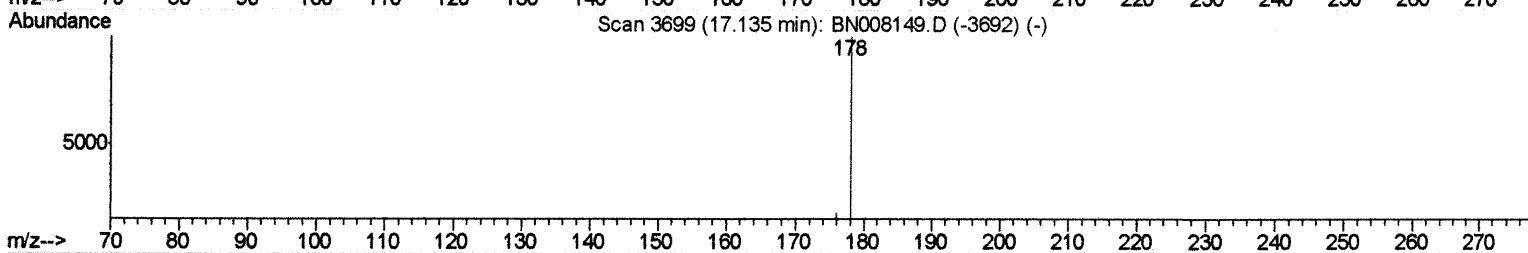
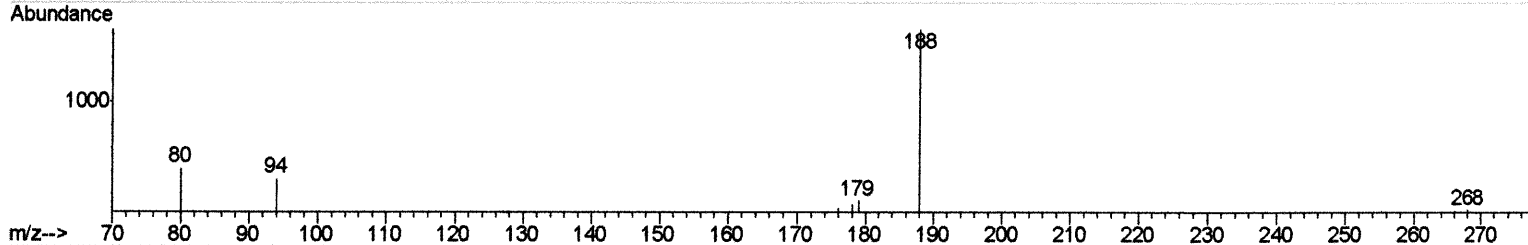
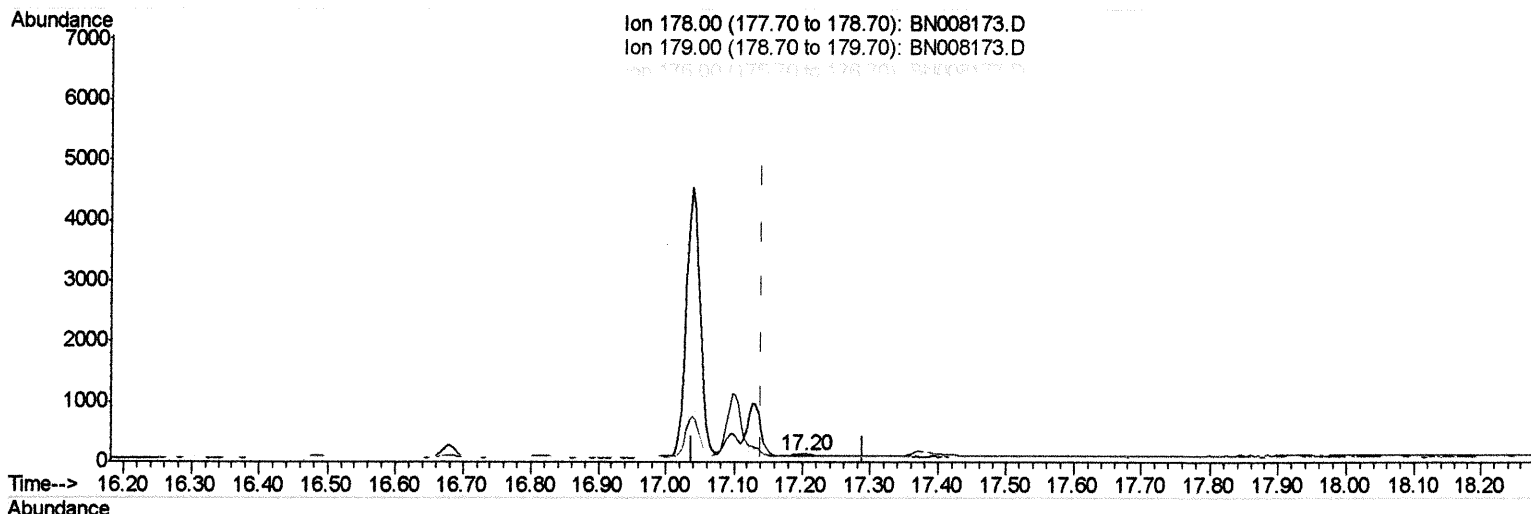
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



TIC: BN008173.D

(13) Anthracene

17.203min (+0.063) 0.00ng/ul

response 50

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	132.43#
176.00	18.80	71.17#
0.00	0.00	0.00

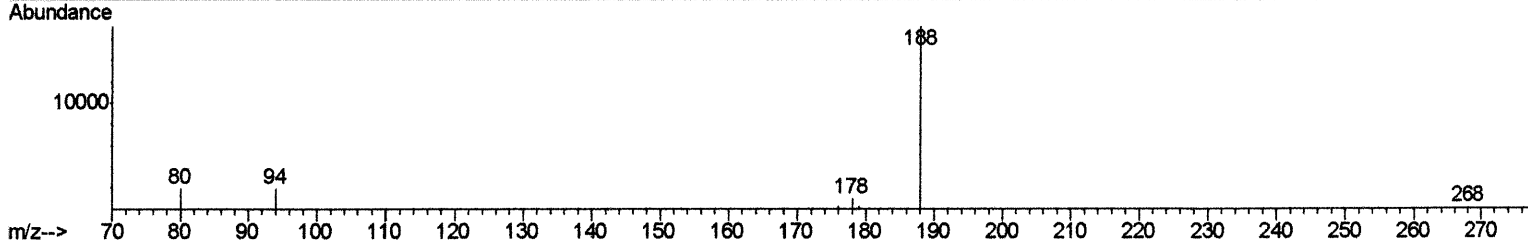
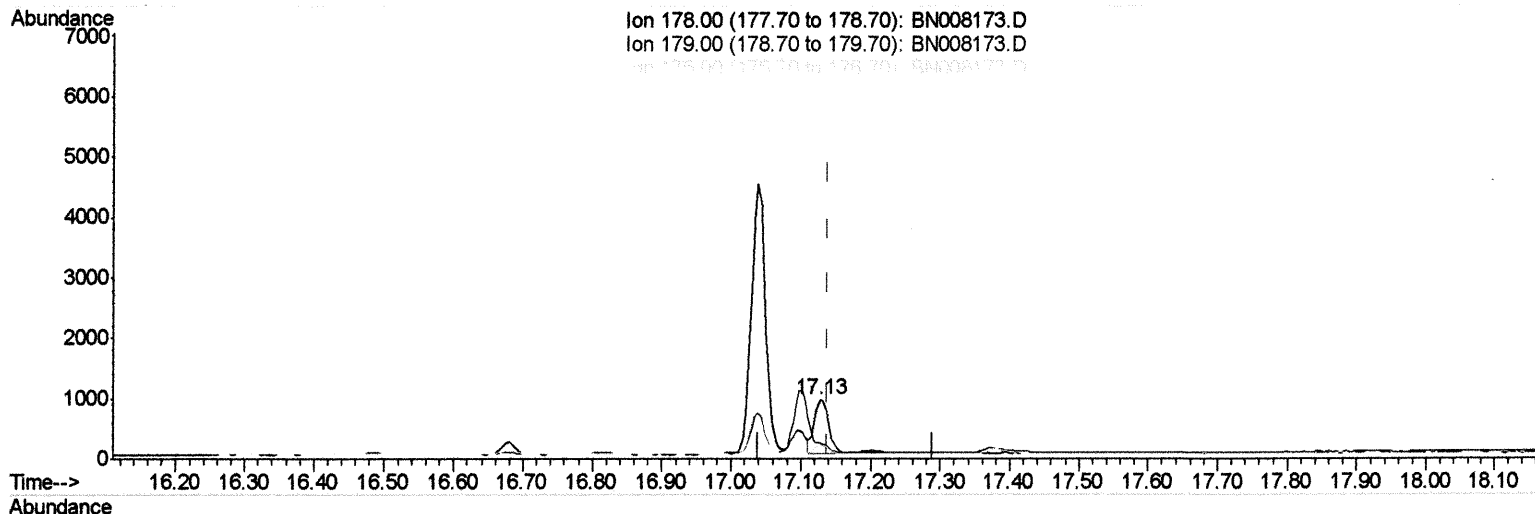
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

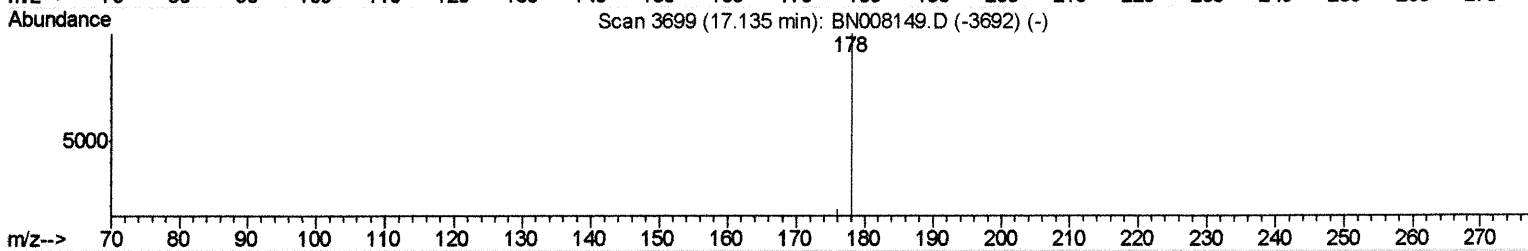
Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



Scan 3699 (17.135 min): BN008149.D (-3692) (-)



TIC: BN008173.D

(13) Anthracene

17.127min (-0.013) 0.03ng/ul m 24 10/16/19

response 1281

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	26.99#
176.00	18.80	23.93#
0.00	0.00	0.00

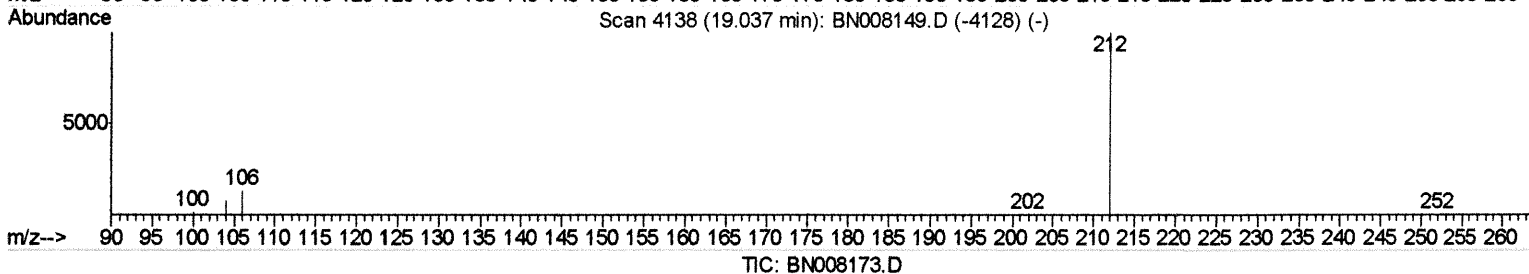
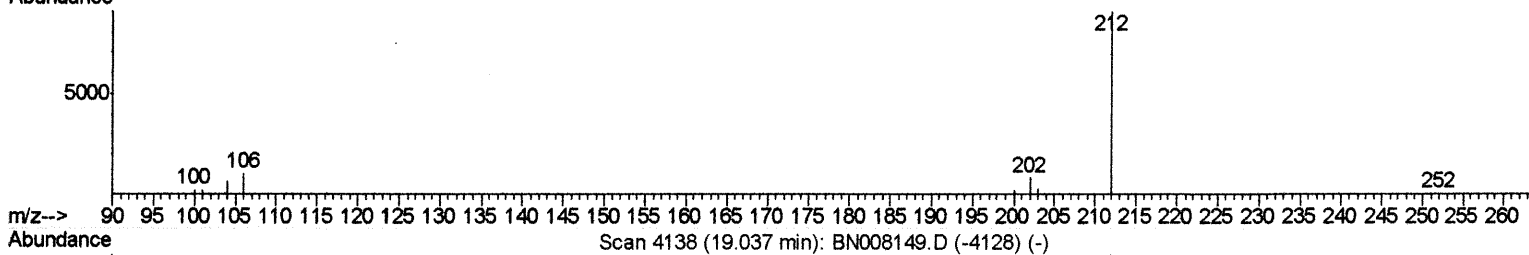
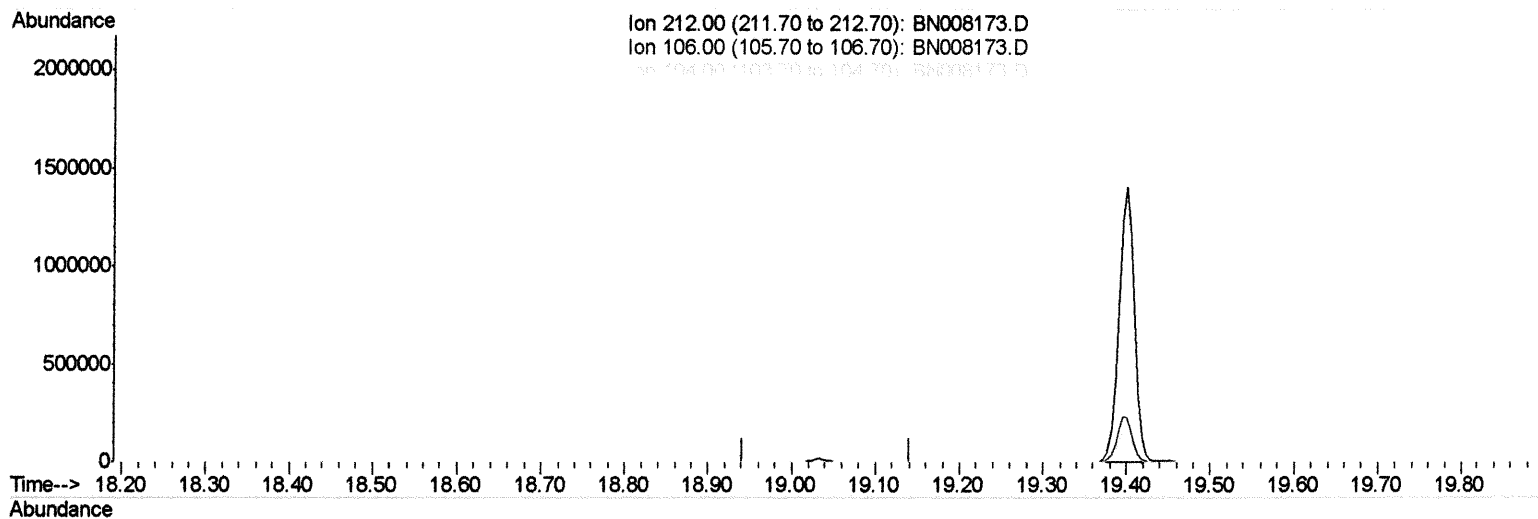
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 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

Quantitation Report (Qedit)

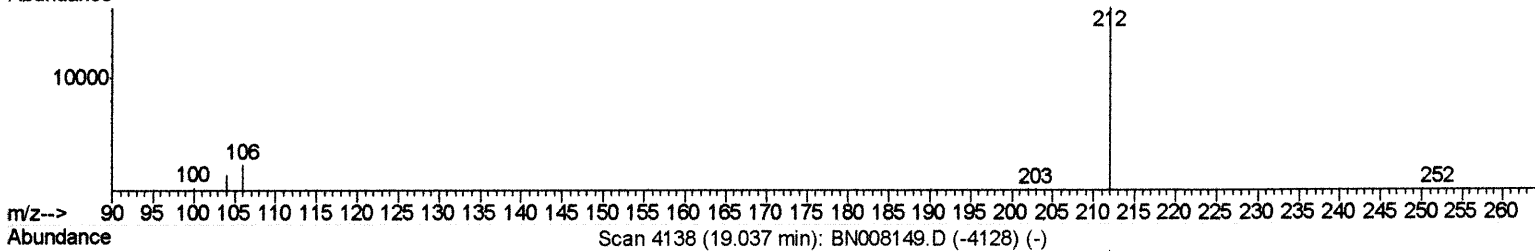
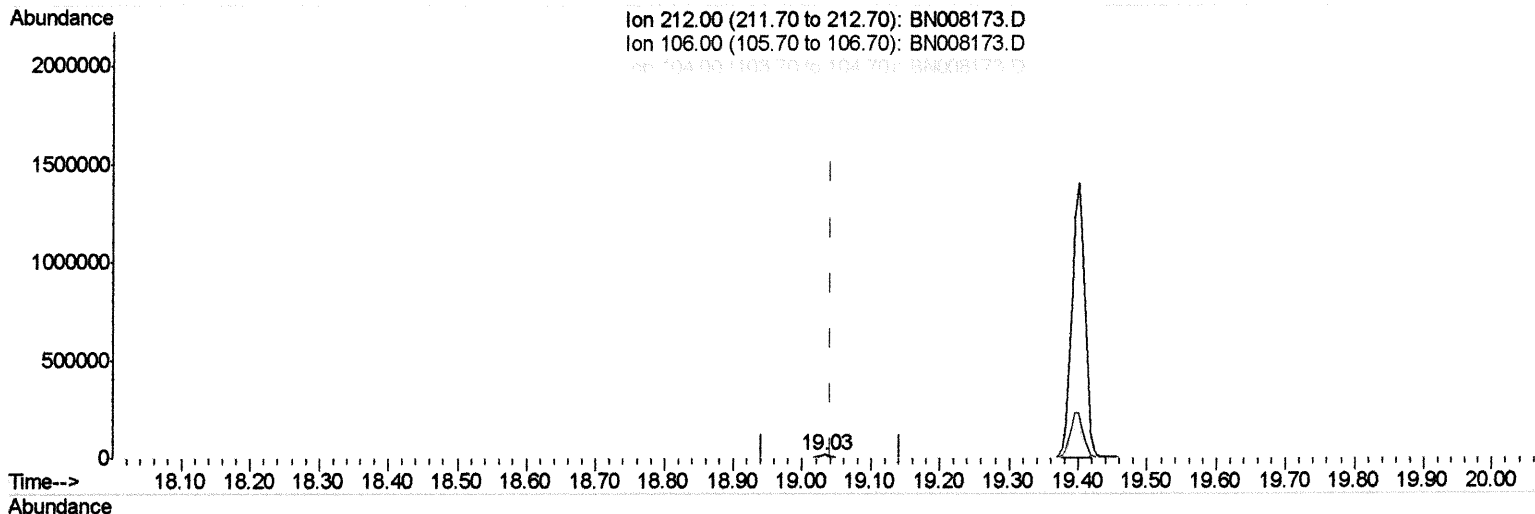
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
 Data File : BN008173.D
 Acq On : 15 Oct 2019 15:03
 Operator : JU
 Sample : K5175-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP85

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration



TIC: BN008173.D

(14) Fluoranthene-d10 (SURR)

19.033min (-0.009) 0.39ng/ul m *M 10/16/19*

response 21331

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

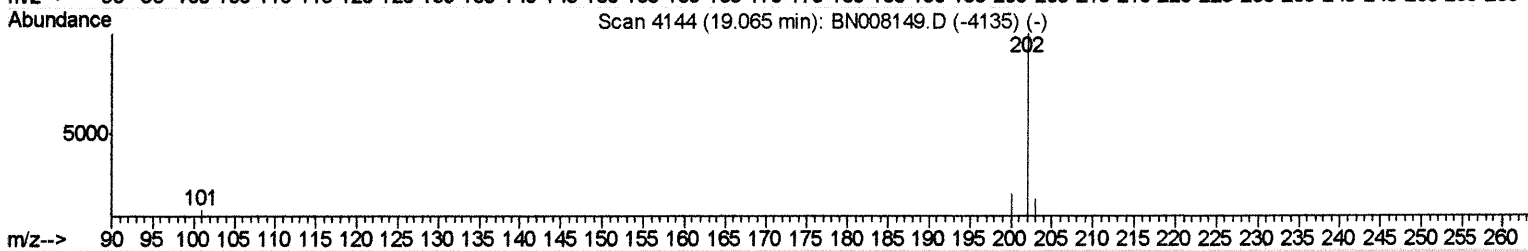
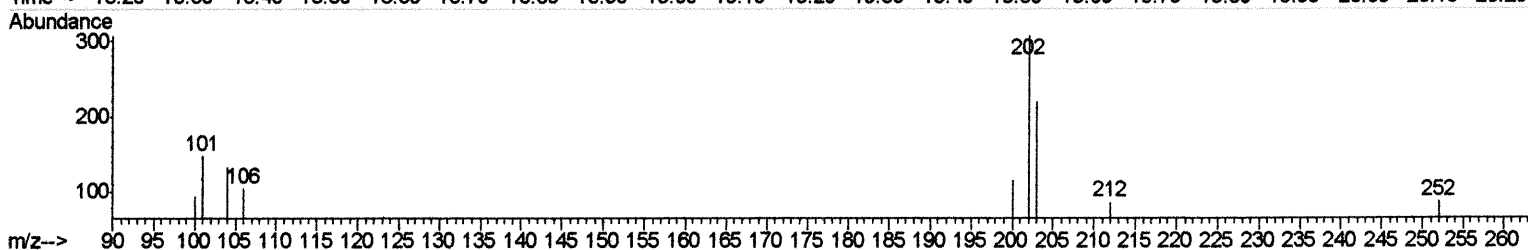
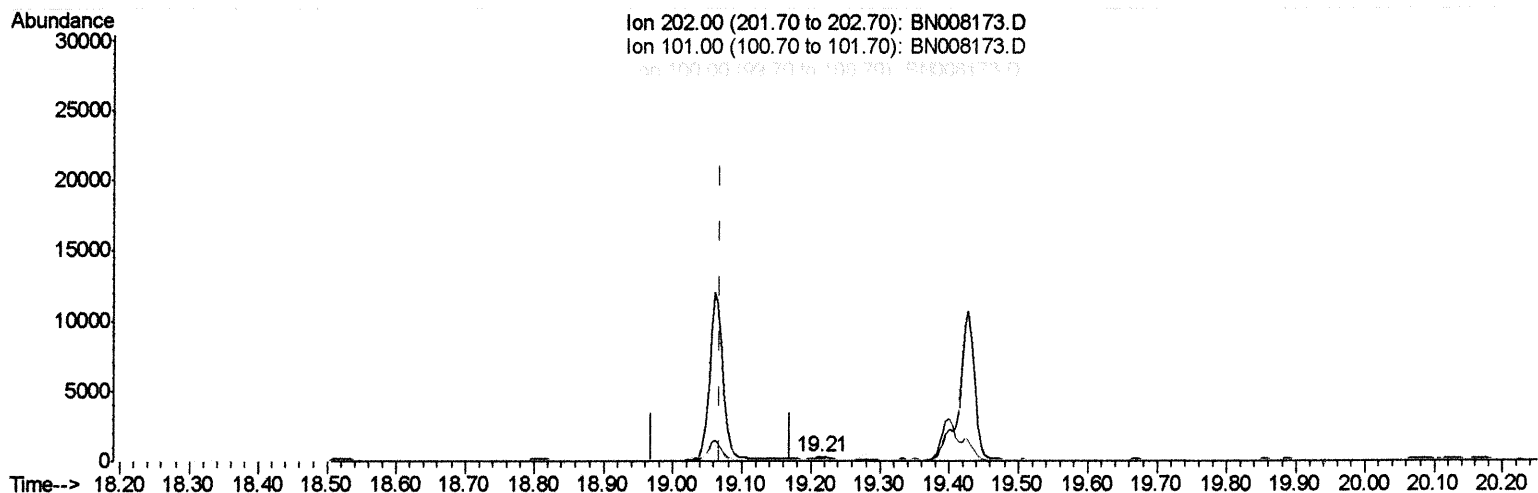
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

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10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



TIC: BN008173.D

(15) Fluoranthene (C)

19.214min (+0.144) 0.00ng/ul

response 226

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	48.21#
100.00	8.50	30.62#
0.00	0.00	0.00

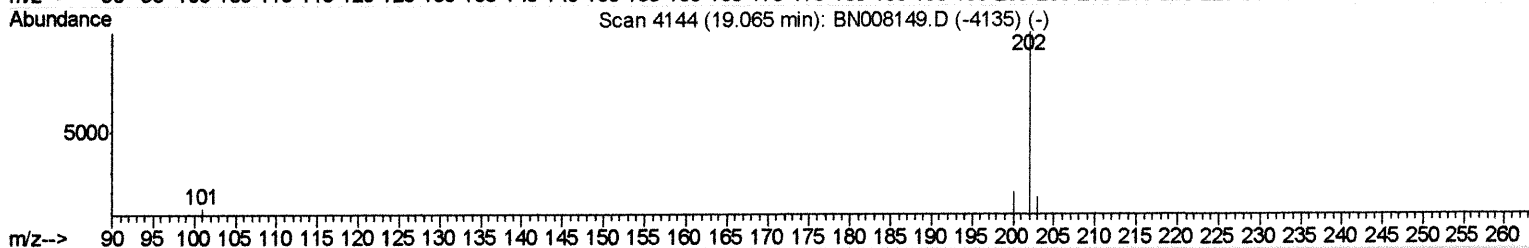
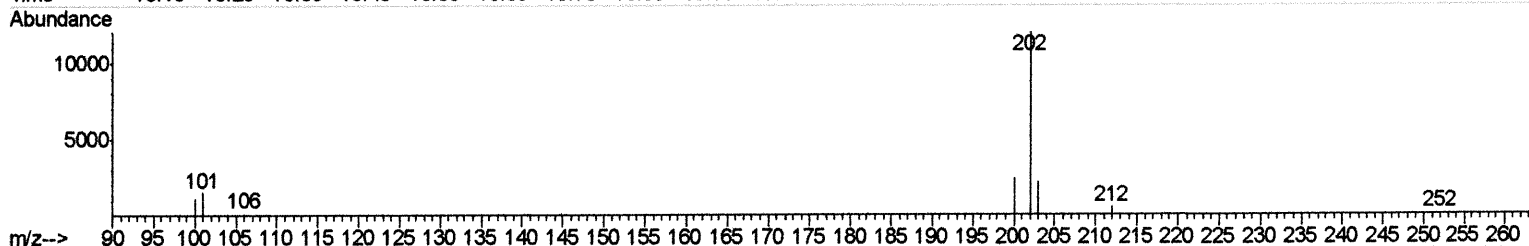
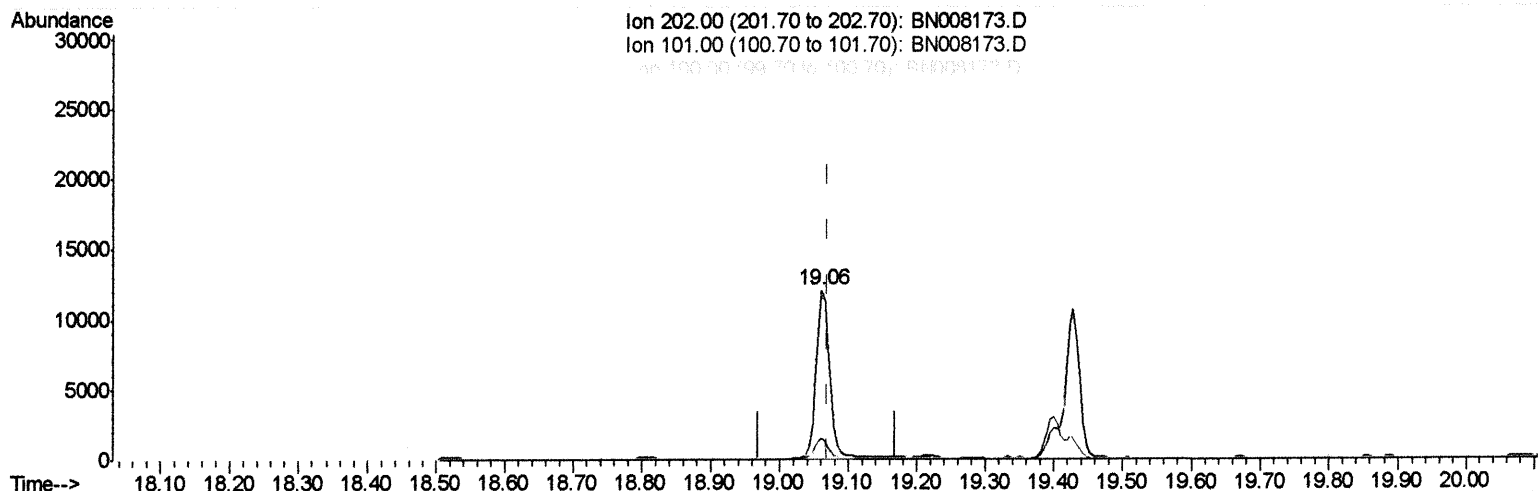
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



TIC: BN008173.D

(15) Fluoranthene (C)

19.060min (-0.009) 0.27ng/ul m *JU 10/16/19*

response 16617

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	12.55
100.00	8.50	9.67
0.00	0.00	0.00

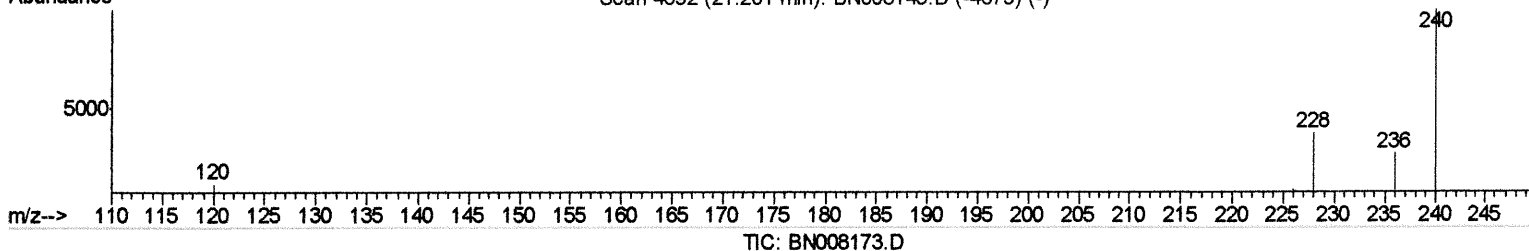
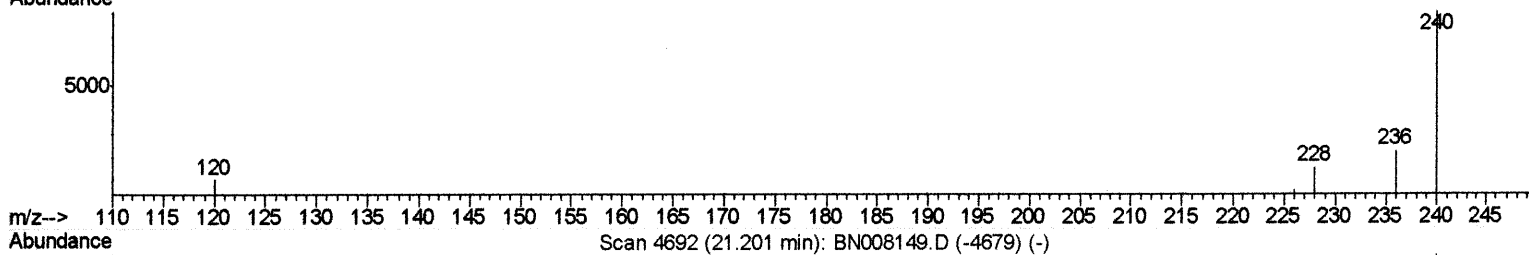
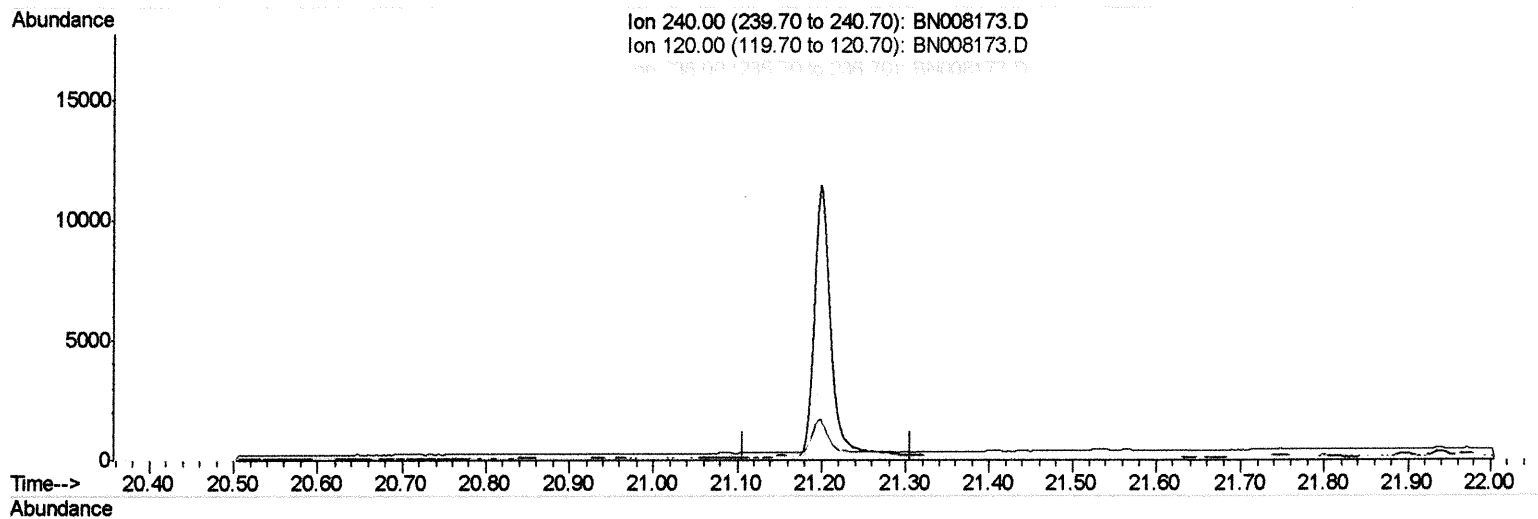
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.207min (-21.207) 0.00ng/ui

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

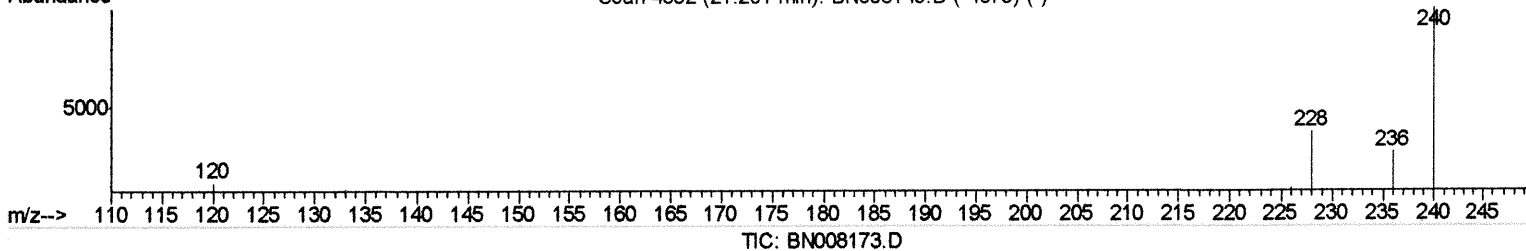
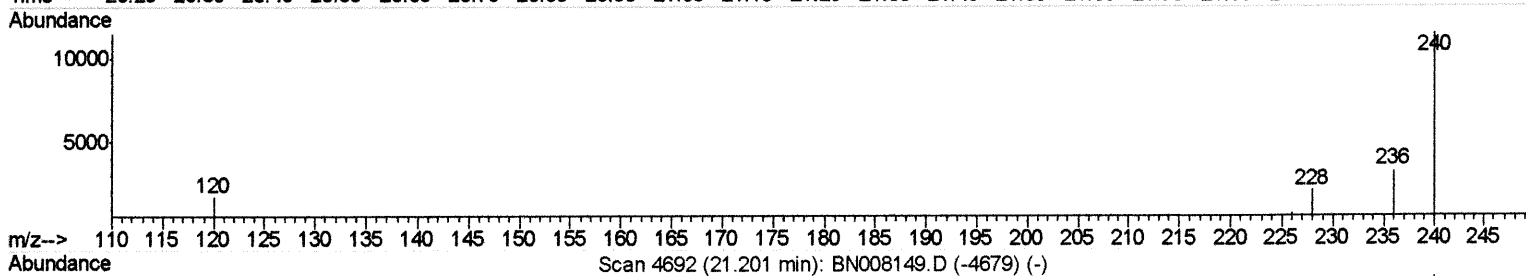
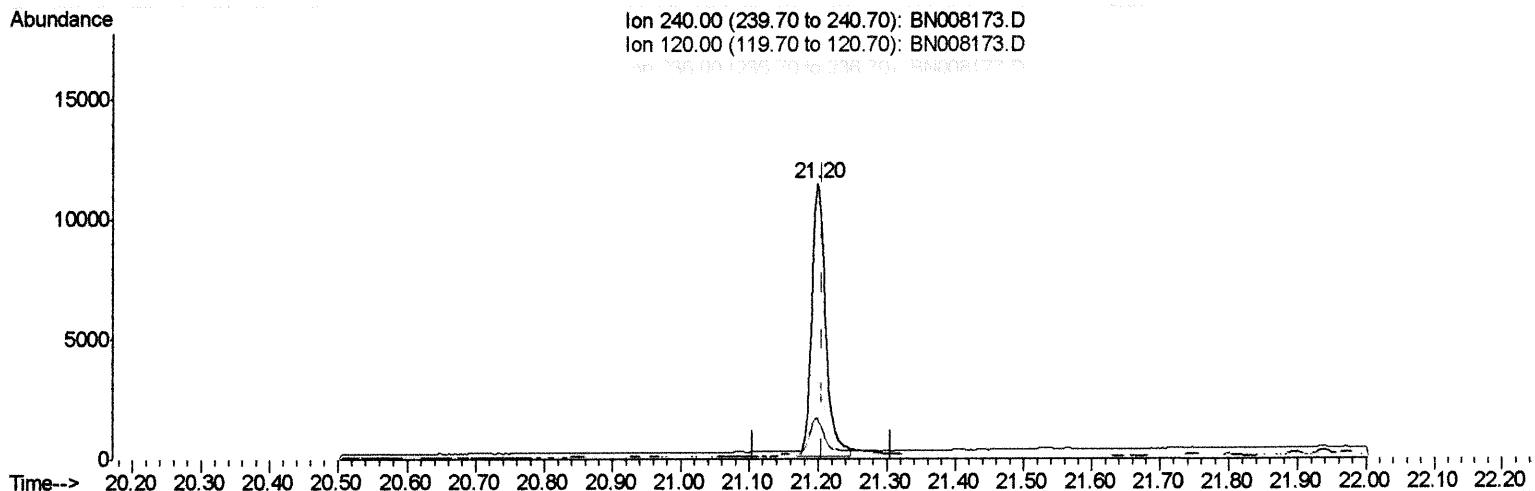
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:45:10 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m

21 10/16/19

response 16018

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.86
236.00	28.40	28.21
0.00	0.00	0.00

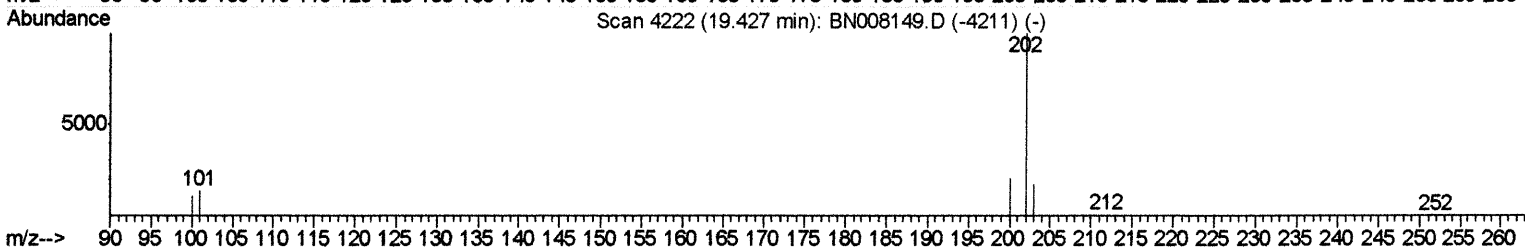
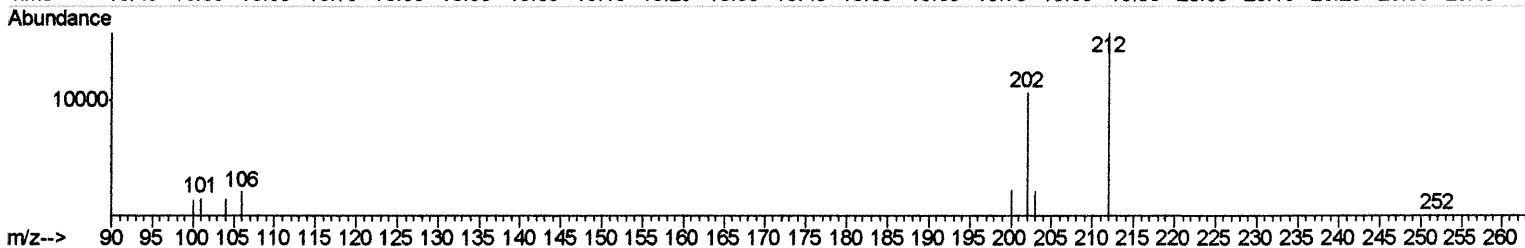
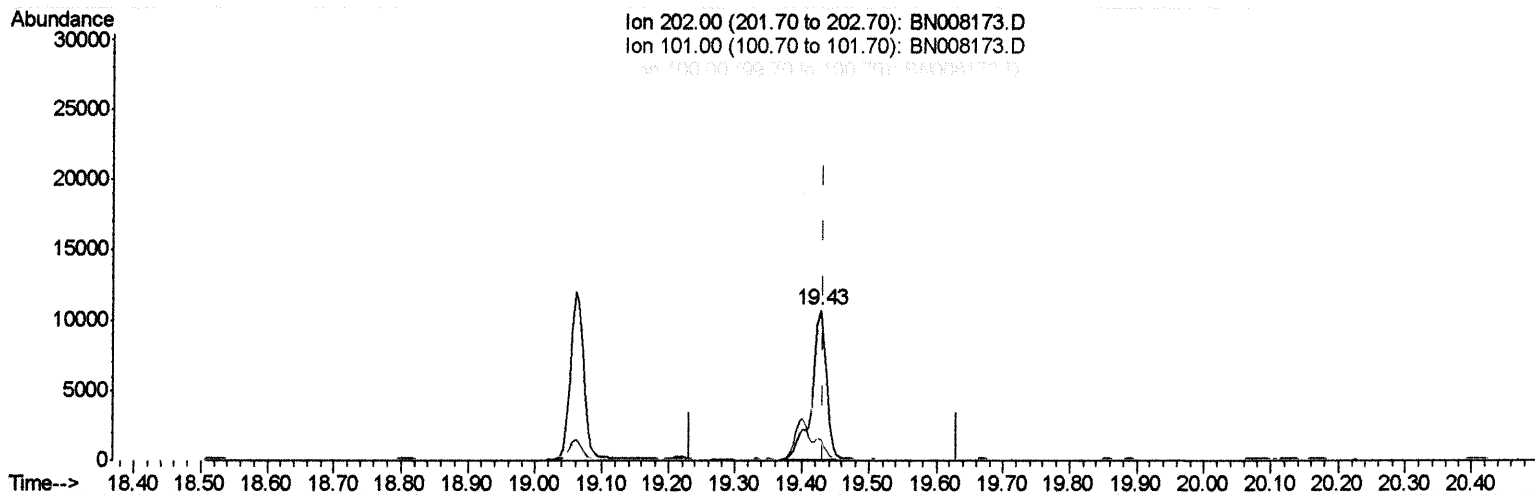
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



TIC: BN008173.D

(17) Pyrene

19.428min (-0.005) 0.26ng/ul

response 16284

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.17
100.00	10.90	12.91
0.00	0.00	0.00

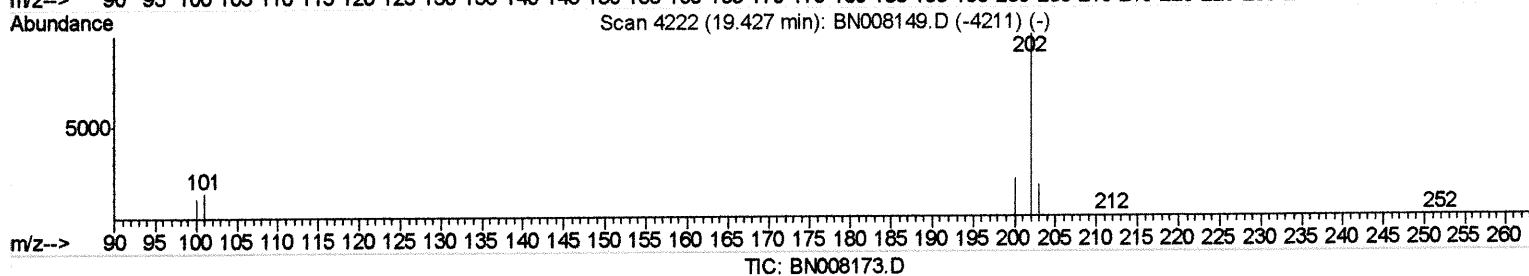
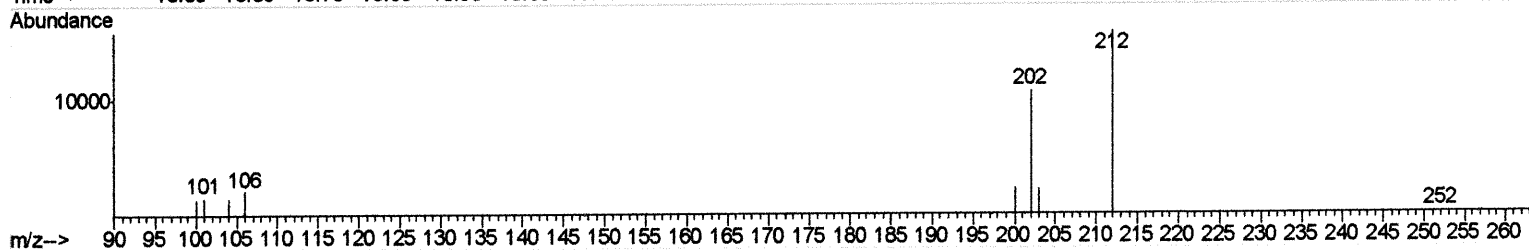
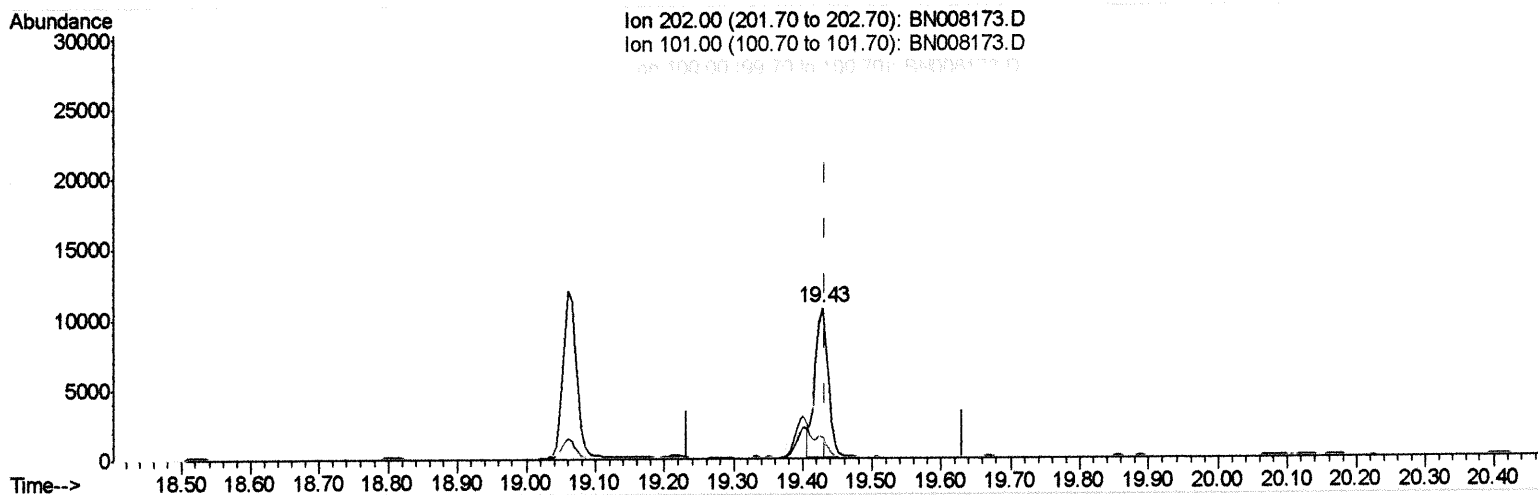
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(17) Pyrene

19.428min (-0.005) 0.22ng/ul m JU 10/16/19

response 13973

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.17
100.00	10.90	12.91
0.00	0.00	0.00

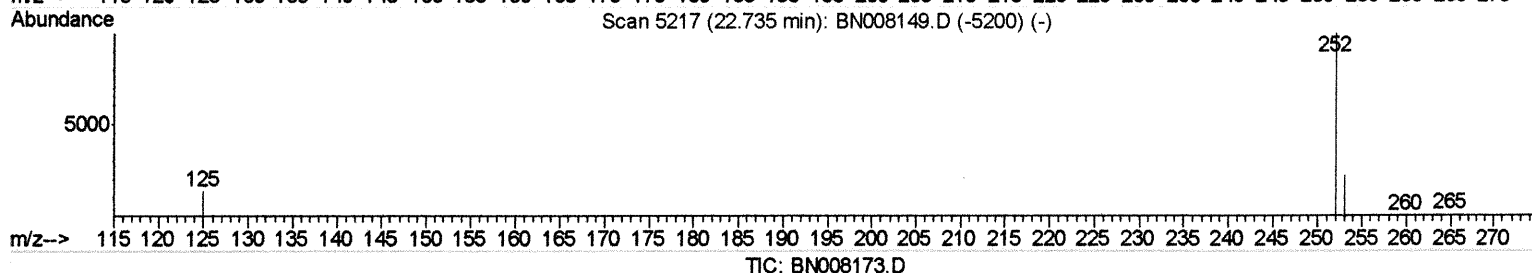
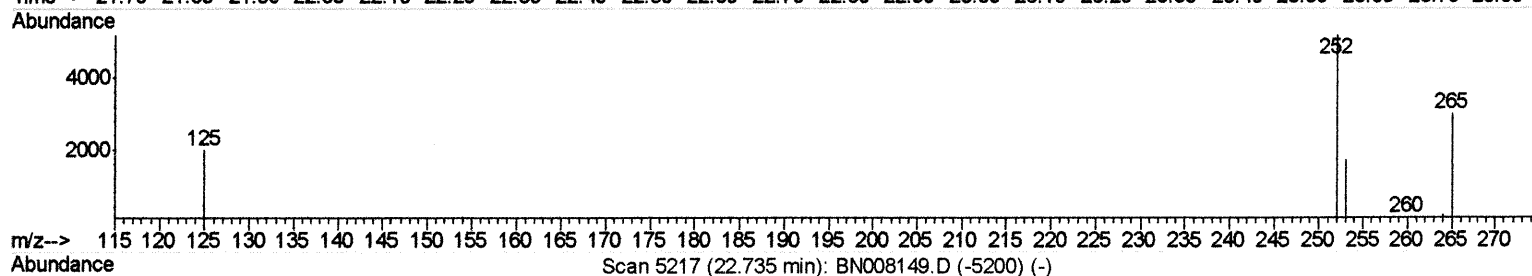
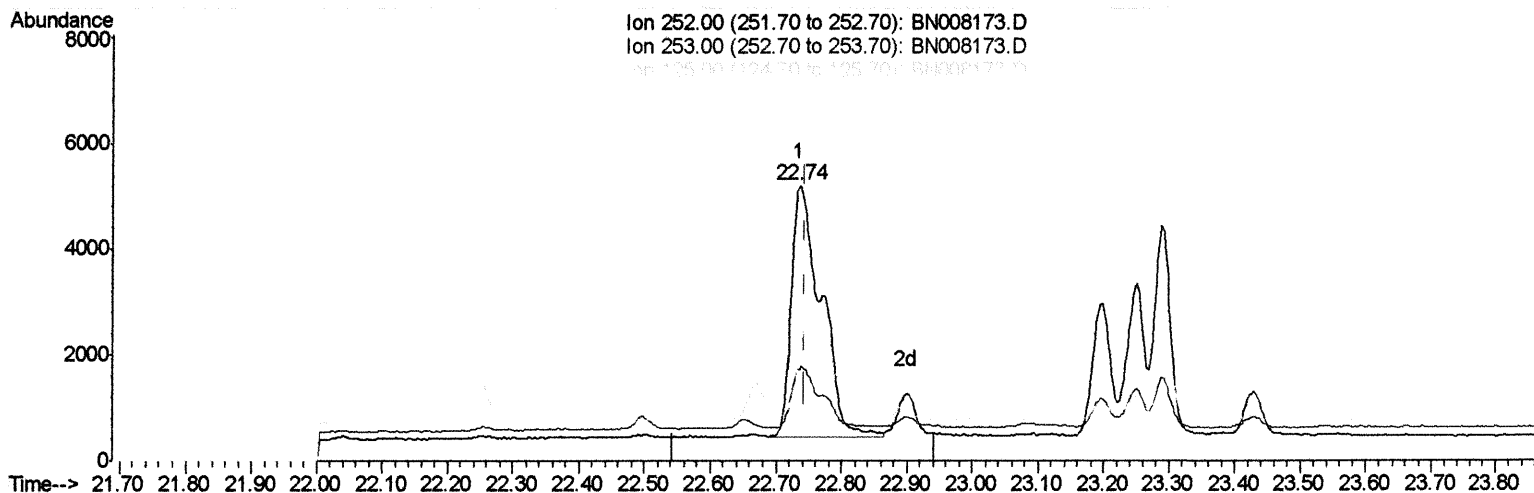
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.735min (-0.009) 0.28ng/ul

response 14893

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	33.25
125.00	16.20	38.09#
0.00	0.00	0.00

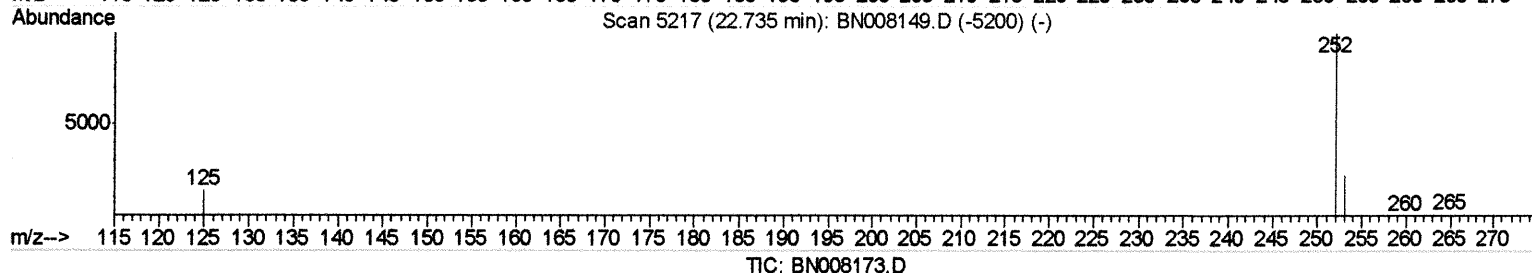
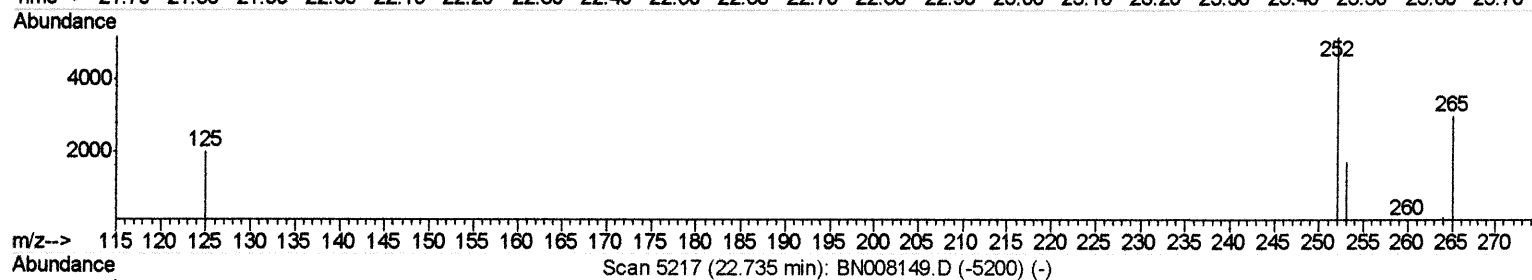
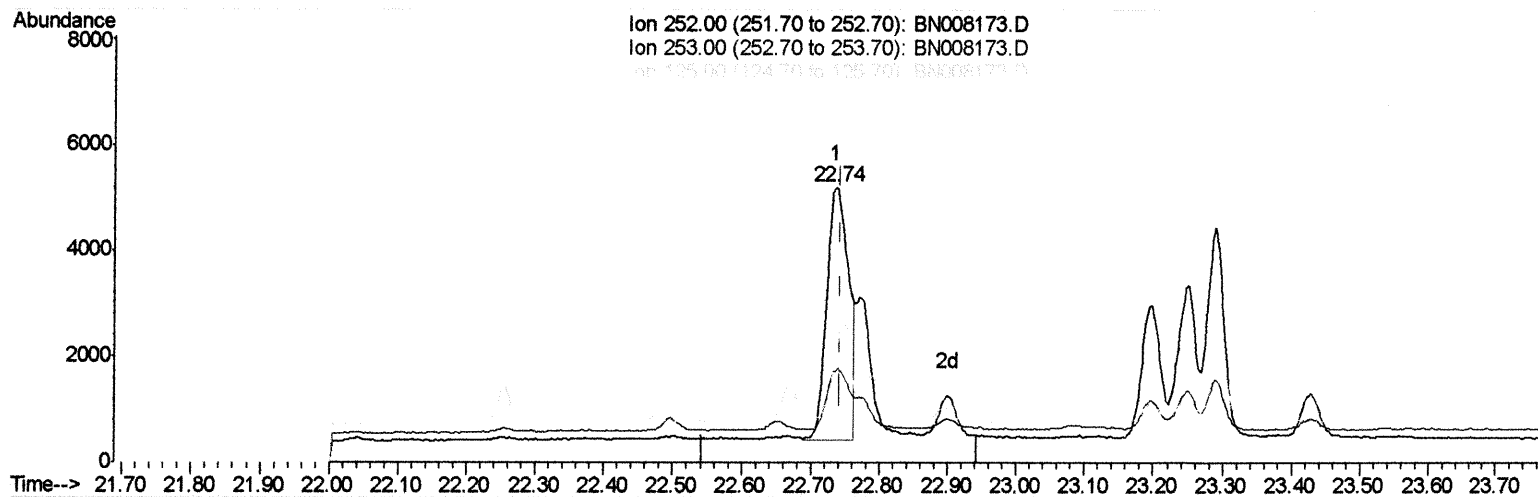
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.735min (-0.009) 0.19ng/ul m *JU 10/16/19*

response 10394

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	33.25
125.00	16.20	38.09#
0.00	0.00	0.00

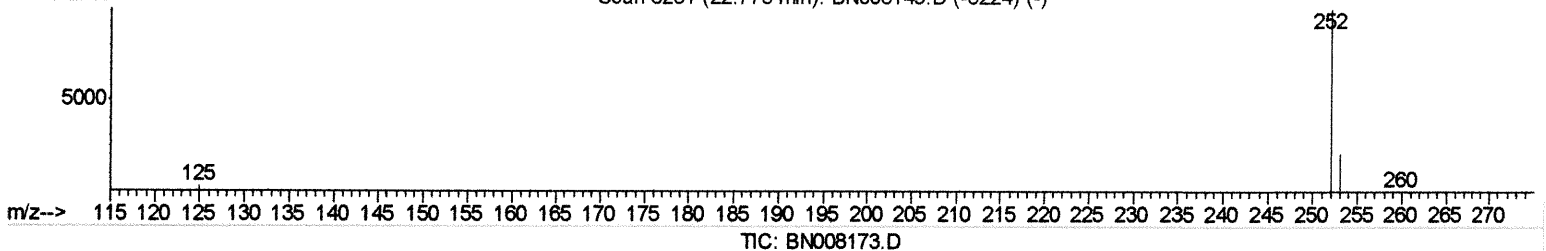
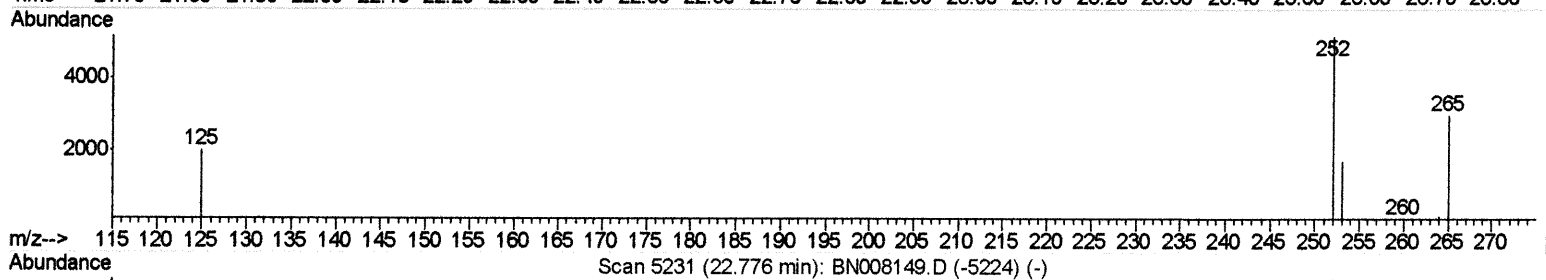
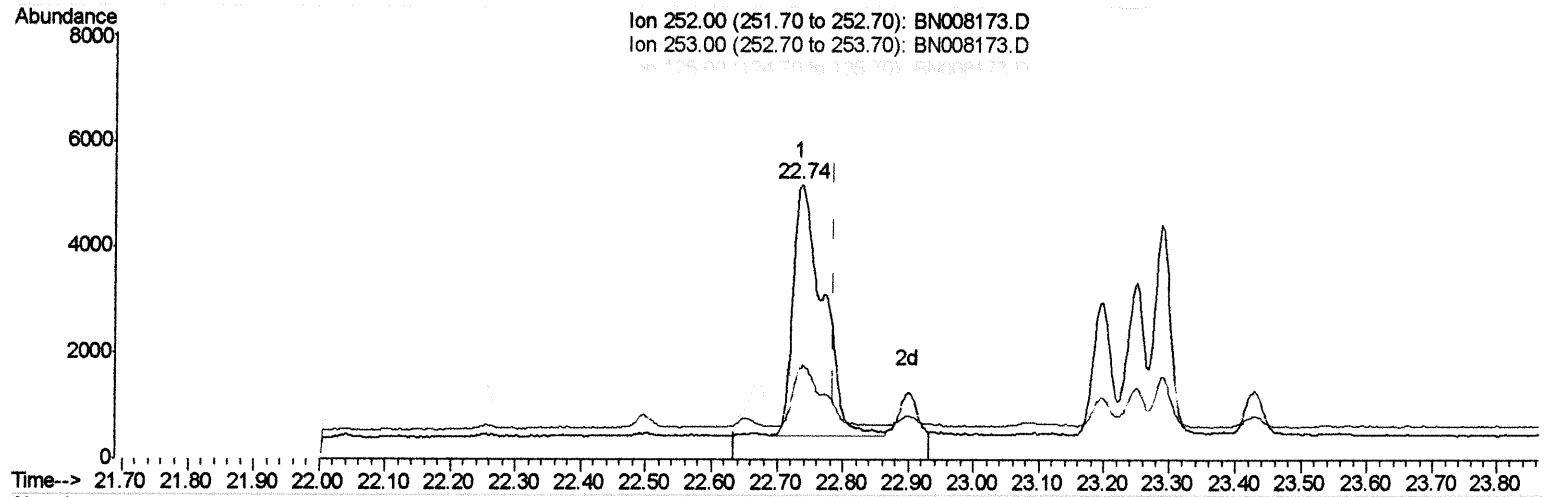
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.735min (-0.050) 0.24ng/ul

response 14893

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	33.25#
125.00	15.40	38.09#
0.00	0.00	0.00

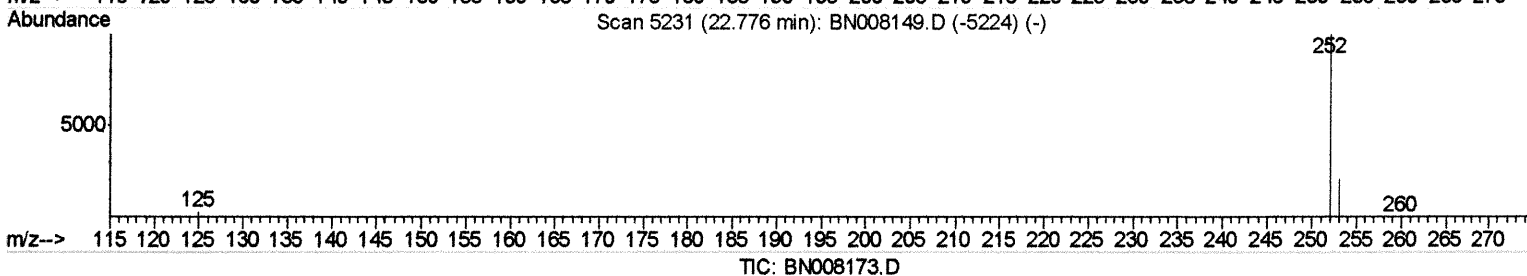
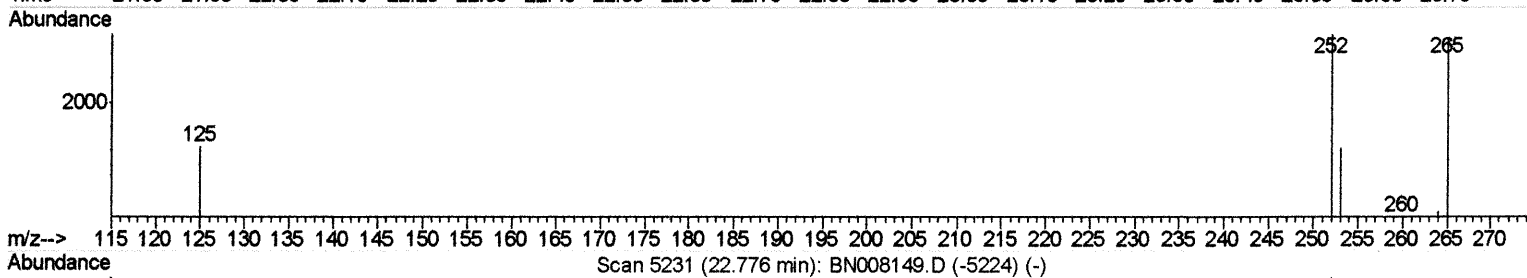
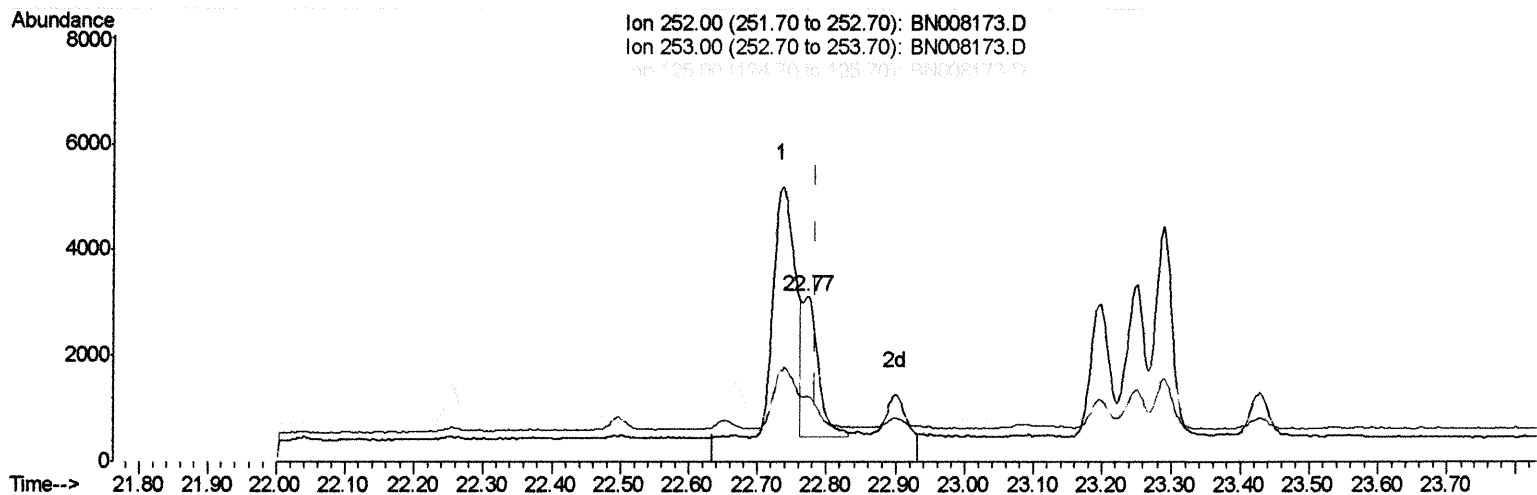
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008173.D
Acq On : 15 Oct 2019 15:03
Operator : JU
Sample : K5175-05
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP85

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:46:49 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 : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.770min (-0.015) 0.07ng/ul m JU 10/16/19

response 4392

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	39.79#
125.00	15.40	40.60#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
 Data File : BN008173.D
 Acq On : 15 Oct 2019 15:03
 Operator : JU
 Sample : K5175-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP85

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:56 PM

Quant Time: Oct 15 17:48:01 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 : Tue Oct 15 15:13:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2117	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	10442	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6841	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	15763m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	16018m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	16611	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.98	152	6531	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	21331m	0.39	ng/ul	0.00

Target Compounds

					Qvalue	
12) Phenanthrene	17.04	178	6412	0.139	ng/ul	98
13) Anthracene	17.13	178	1281m	0.032	ng/ul	
15) Fluoranthene	19.06	202	16617m	0.273	ng/ul	
17) Pyrene	19.43	202	13973m	0.219	ng/ul	
18) Benzo(a)anthracene	21.18	228	8621	0.148	ng/ul	96
19) Chrysene	21.24	228	8913	0.125	ng/ul	96
21) Benzo(b)fluoranthene	22.74	252	10394m	0.192	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	4392m	0.072	ng/ul	
23) Benzo(a)pyrene	23.29	252	6602	0.116	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.55	276	4193	0.063	ng/ul#	96
26) Benzo(g,h,i)perylene	26.21	276	3312	0.054	ng/ul#	79

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