

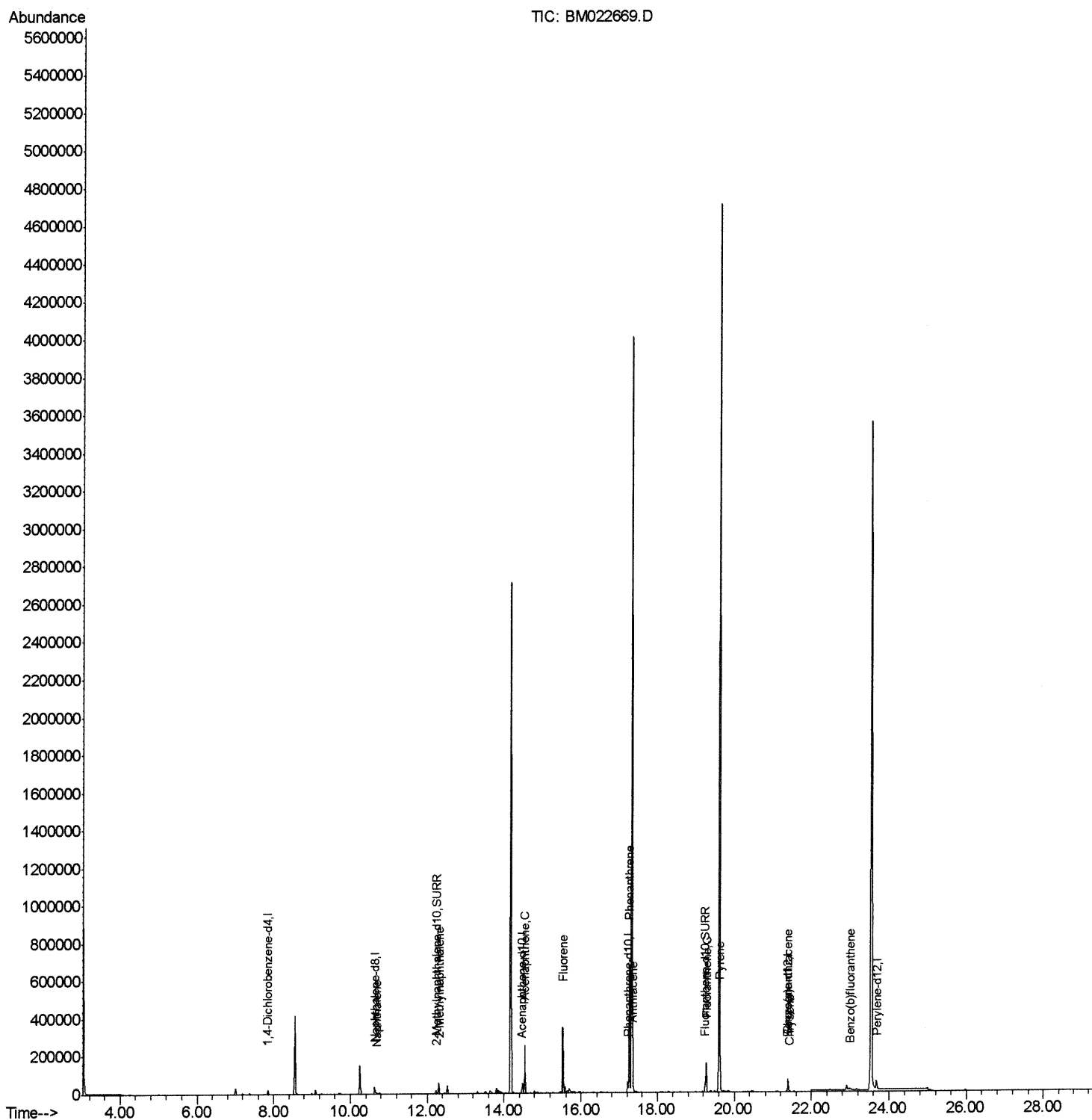
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
Data File : BM022669.D
Acq On : 12 Sep 2019 16:10
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BF574

Manual Integrations
APPROVED

mohammad
9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:23:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

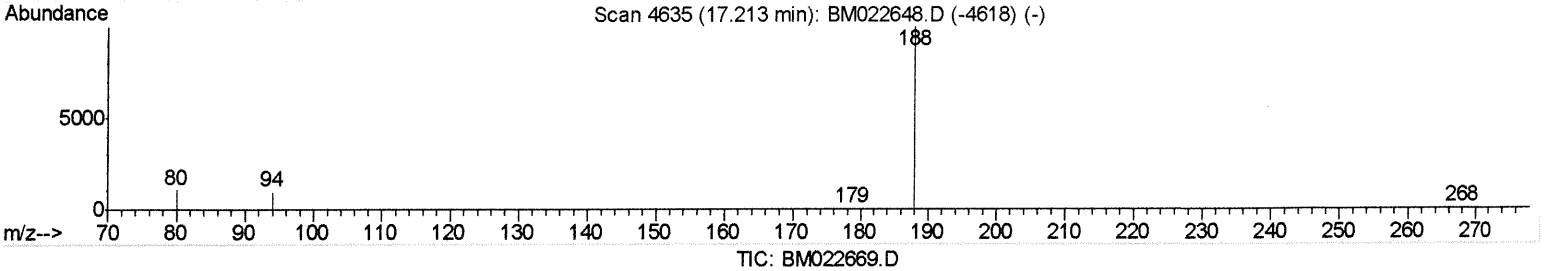
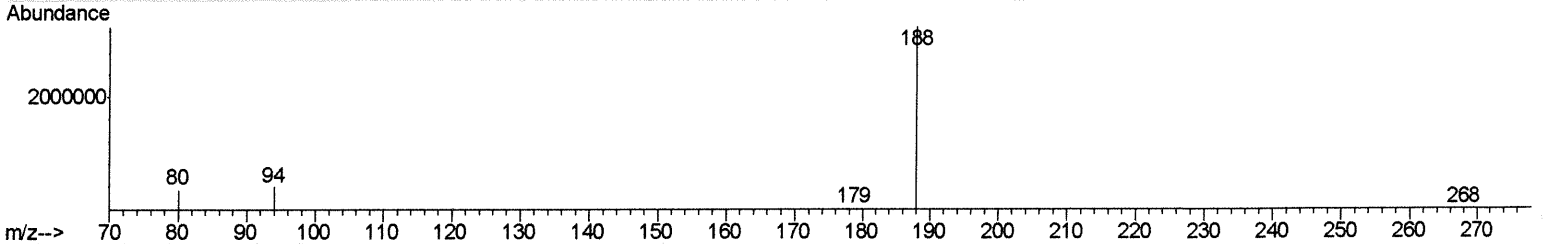
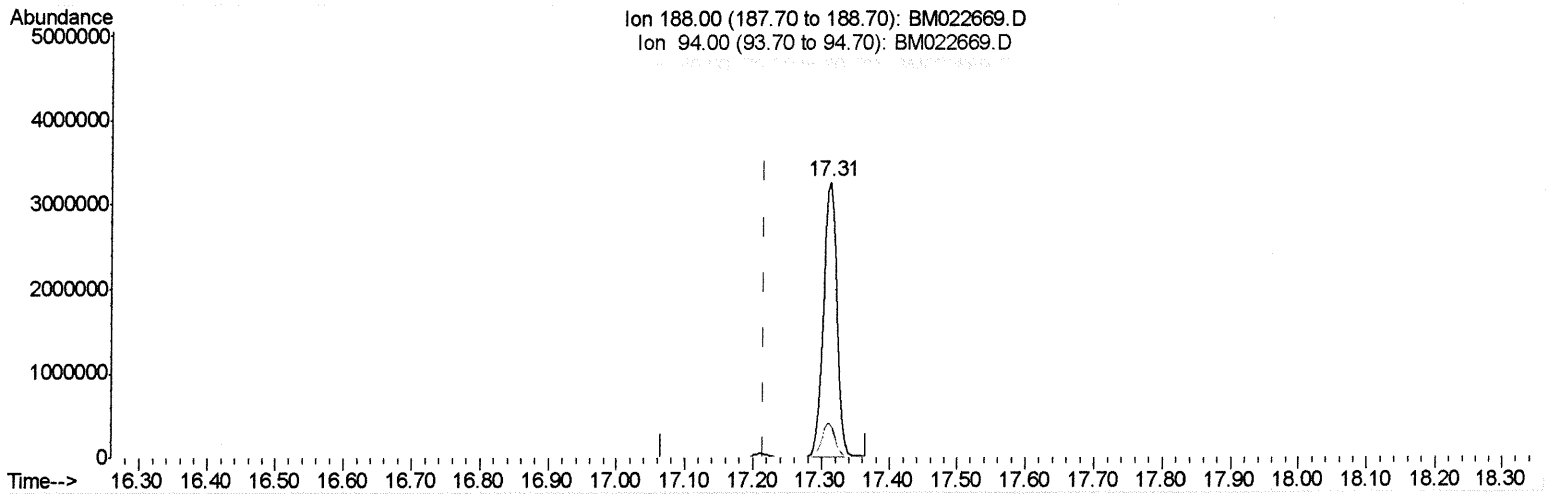
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:17:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.312min (+0.095) 0.40ng/ul

response 4505319

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	12.10#
80.00	11.00	10.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

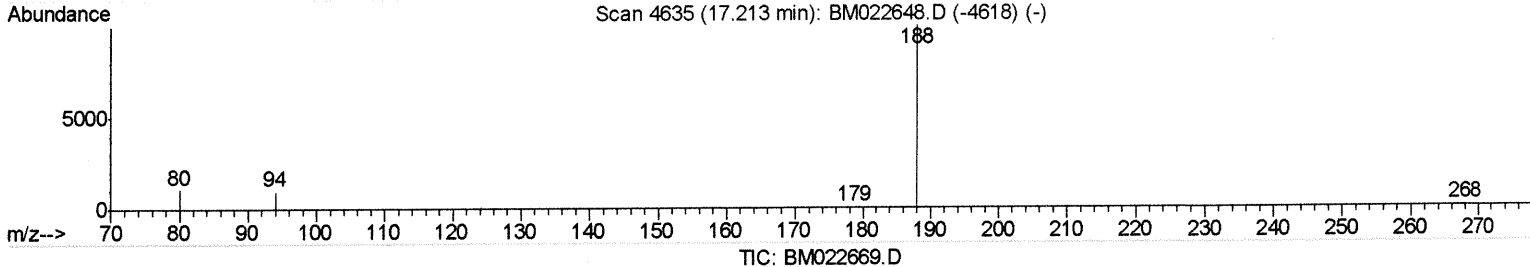
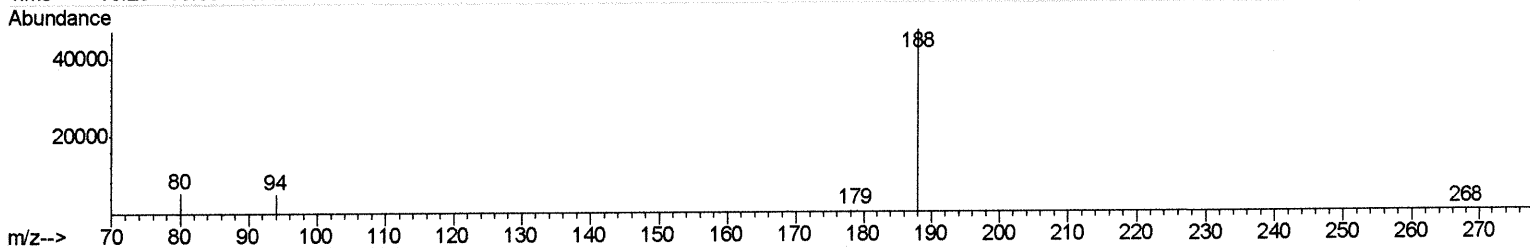
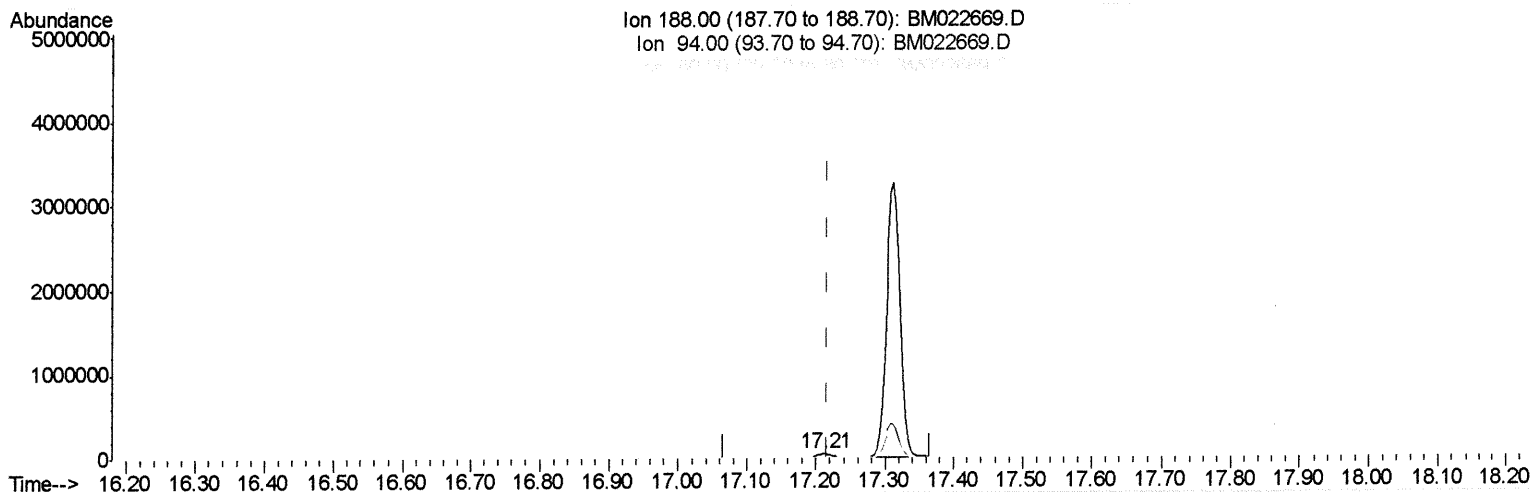
Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:17:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Ion 188.00 (187.70 to 188.70): BM022669.D
 Ion 94.00 (93.70 to 94.70): BM022669.D



TIC: BM022669.D

(10) Phenanthrene-d10 (I)

17.211min (-0.005) 0.40ng/ul m ^{JU} 09/13/19

response 64815

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	10.09
80.00	11.00	10.94
0.00	0.00	0.00

Quantitation Report (Qedit)

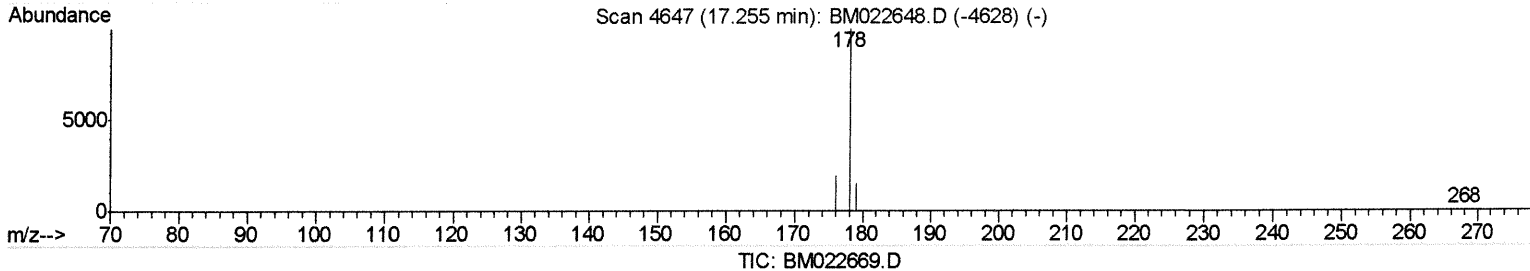
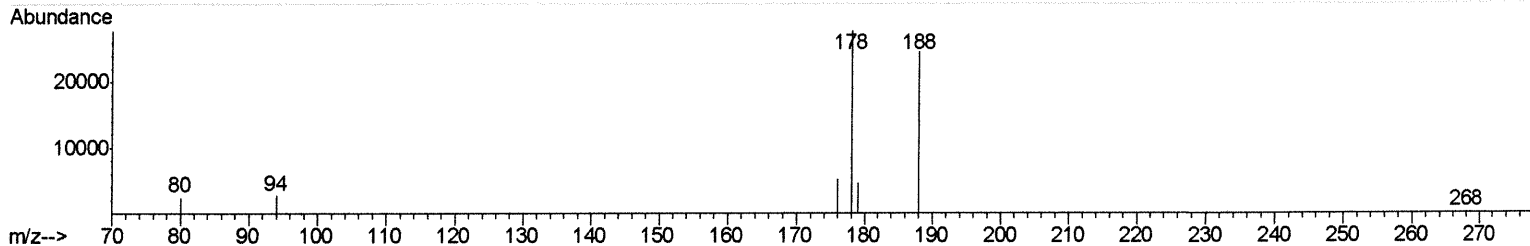
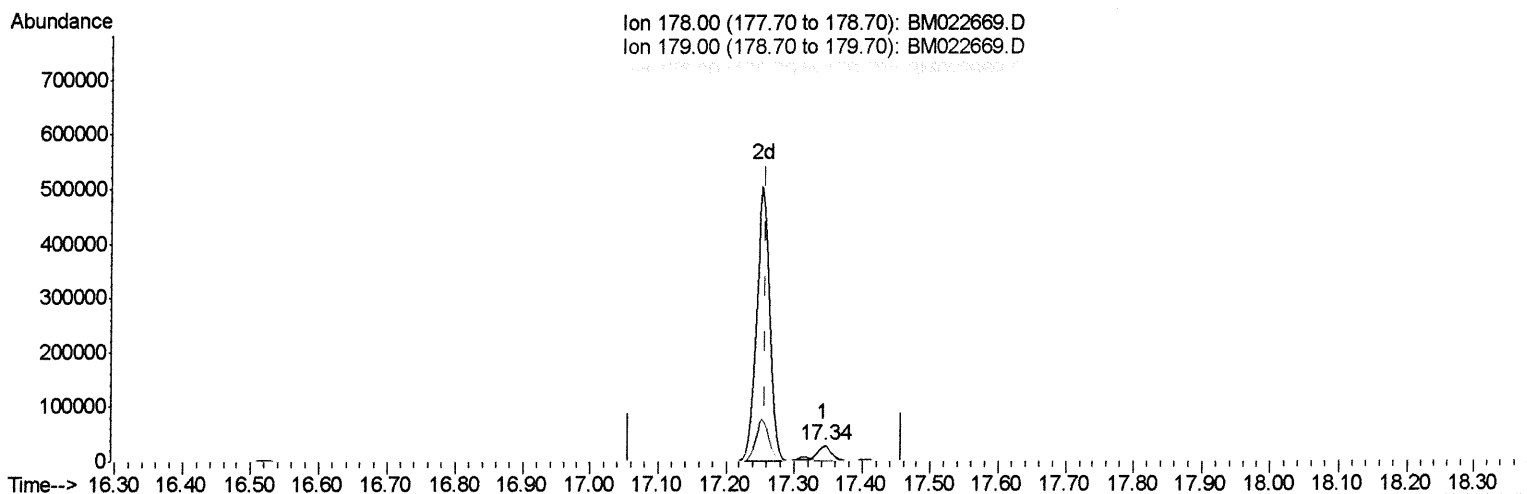
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



TIC: BM022669.D

(12) Phenanthrene

17.343min (+0.085) 0.20ng/ul

response 40665

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.46
176.00	19.10	18.94
0.00	0.00	0.00

Quantitation Report (Qedit)

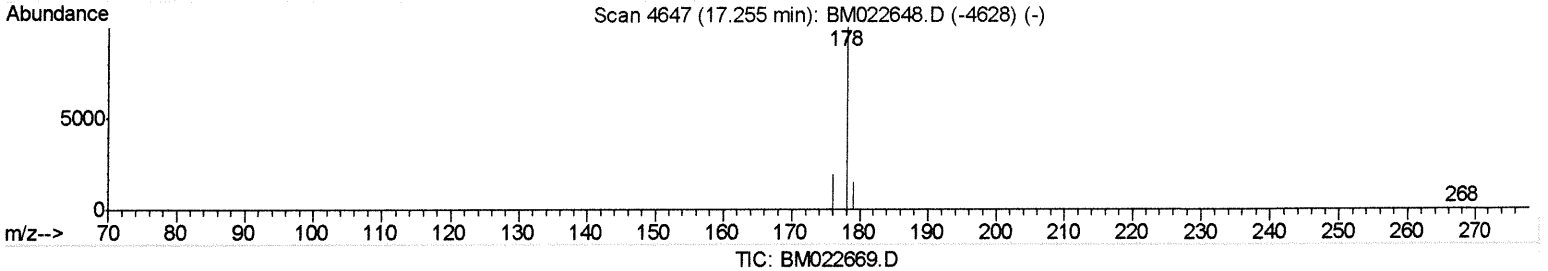
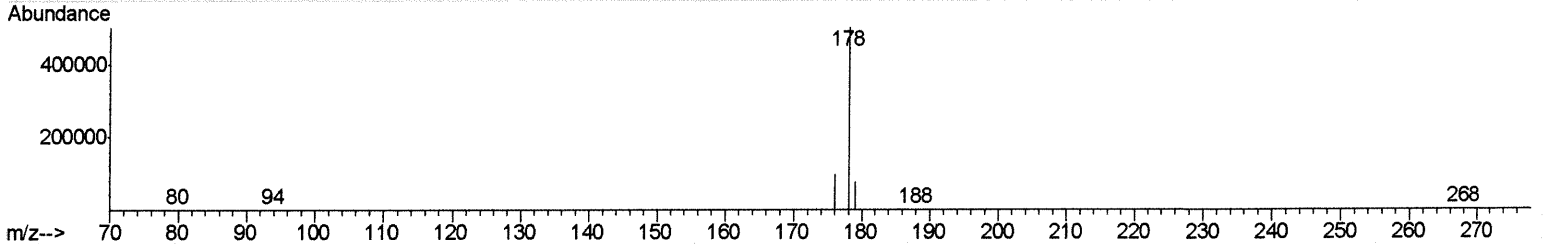
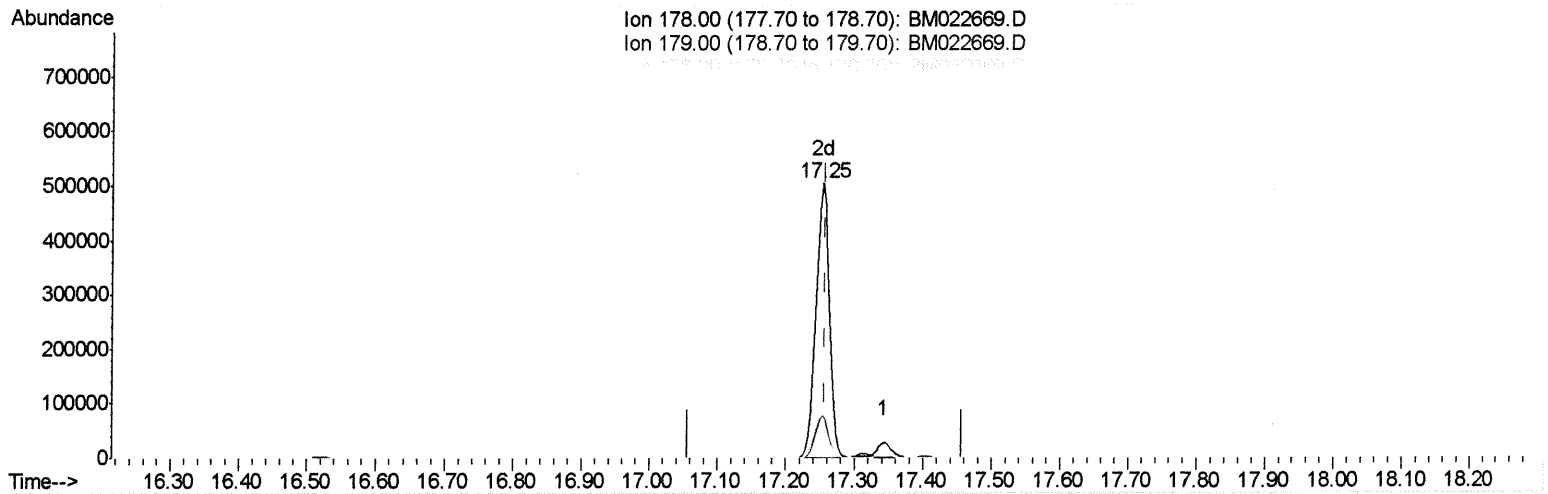
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.253min (-0.005) 3.34ng/ul m *JU* 09/13/19

response 690315

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.37
176.00	19.10	19.03
0.00	0.00	0.00

Quantitation Report (Qedit)

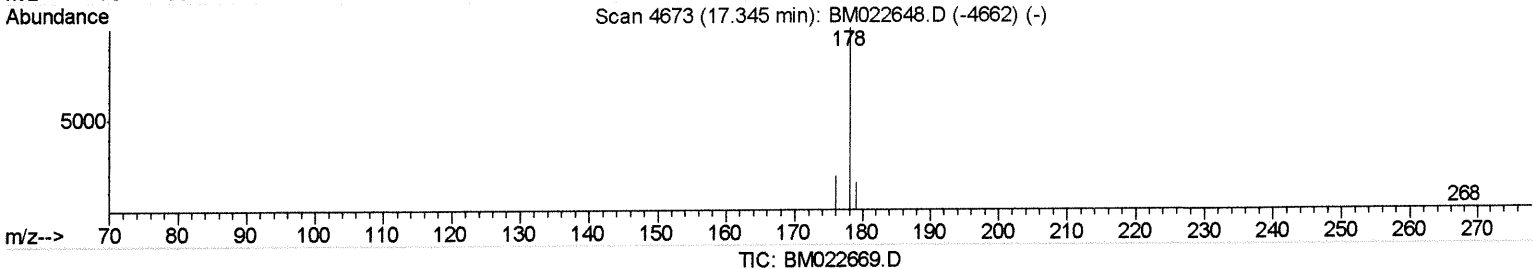
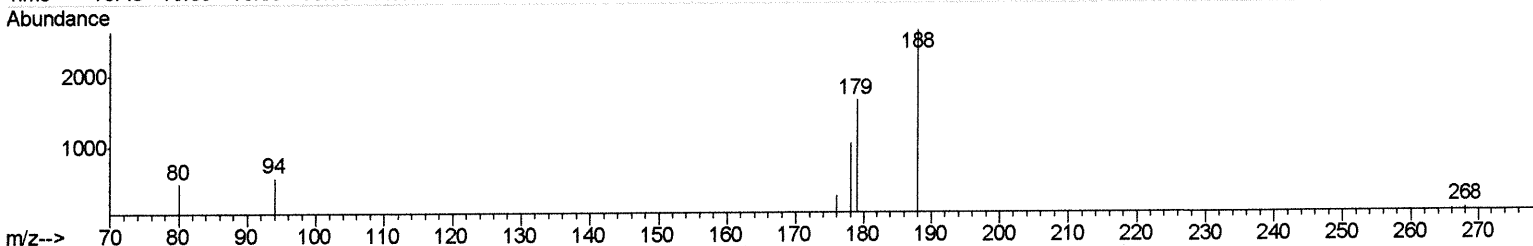
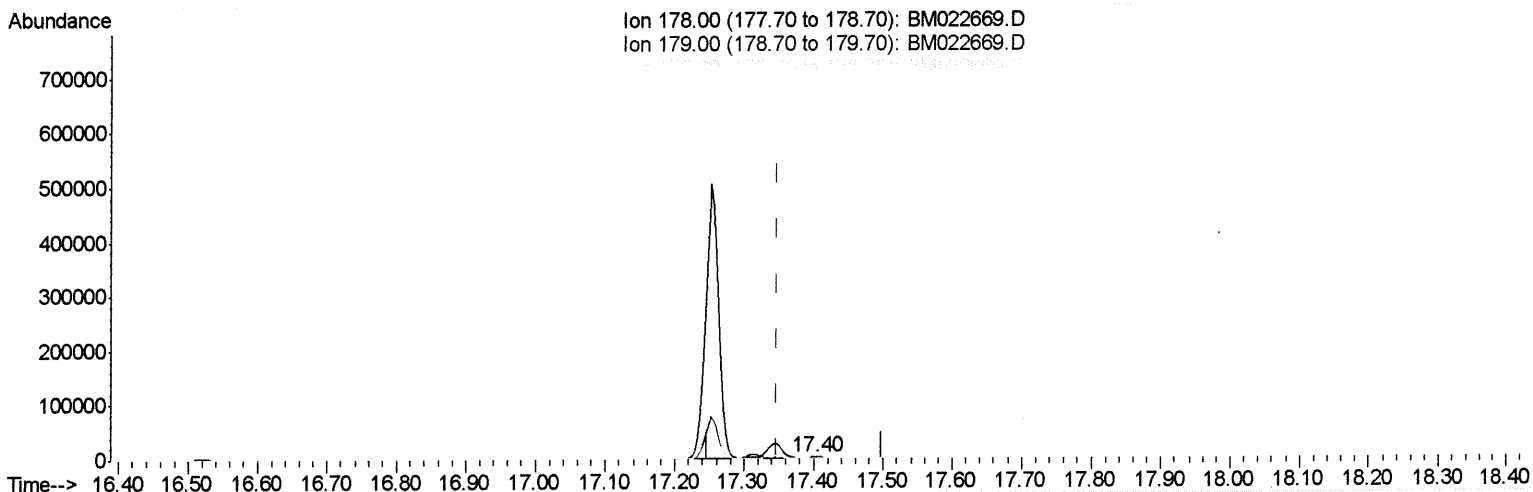
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(13) Anthracene

17.402min (+0.054) 0.01ng/ul

response 976

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	160.43#
176.00	18.50	27.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

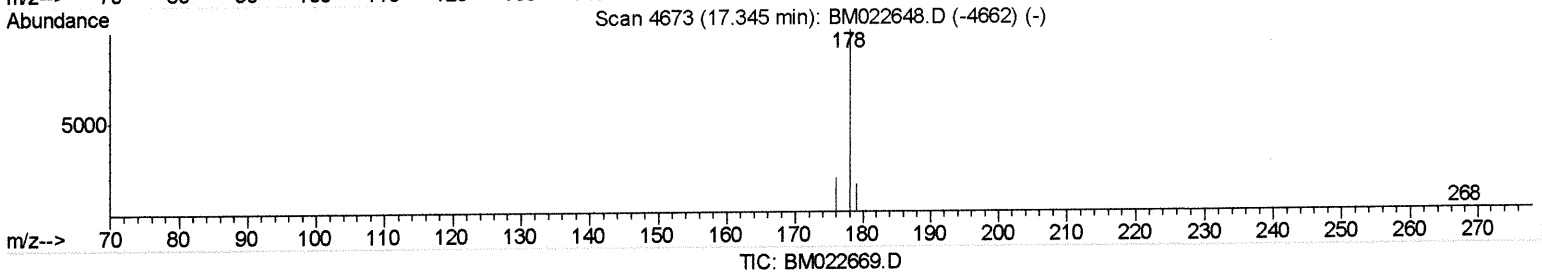
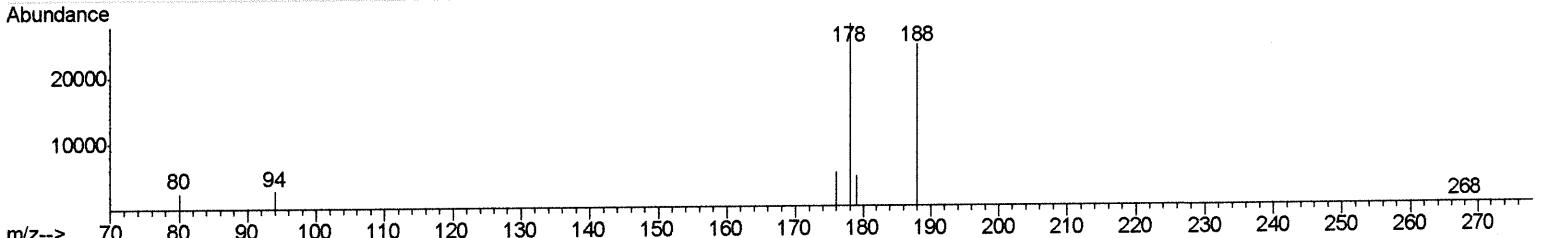
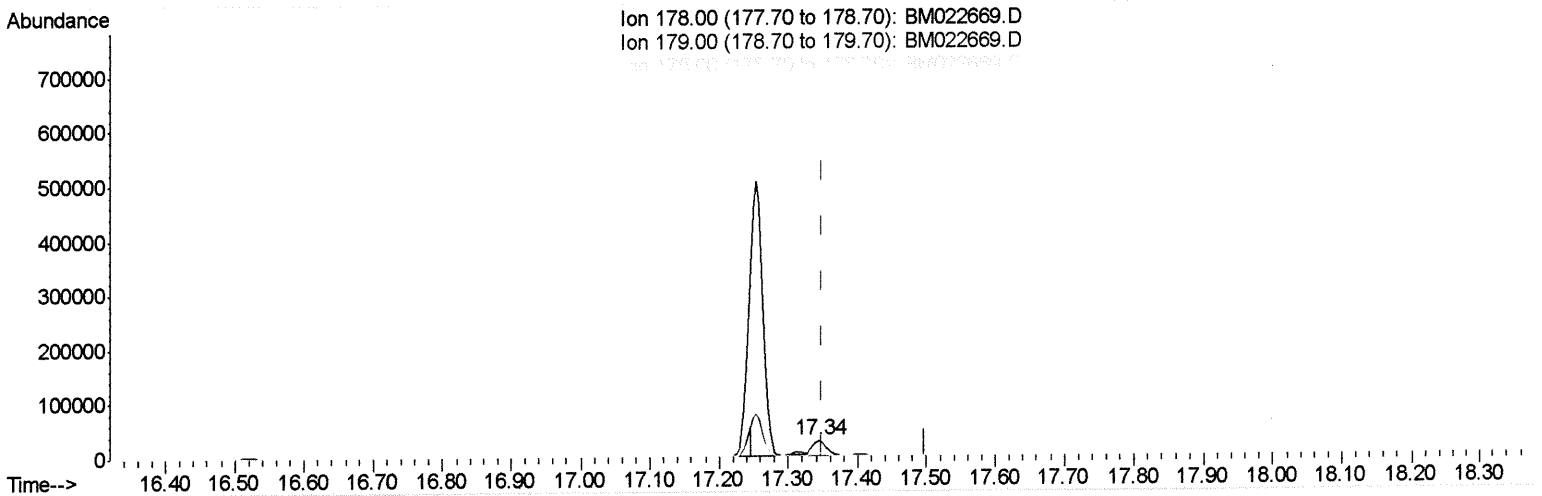
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
Data File : BM022669.D
Acq On : 12 Sep 2019 16:10
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BF574

Manual Integrations
APPROVED

mohammad
9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration



(13) Anthracene

17.343min (-0.005) 0.23ng/ul m

JU
09/13/19

response 40503

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	16.46
176.00	18.50	18.94
0.00	0.00	0.00

Quantitation Report (Qedit)

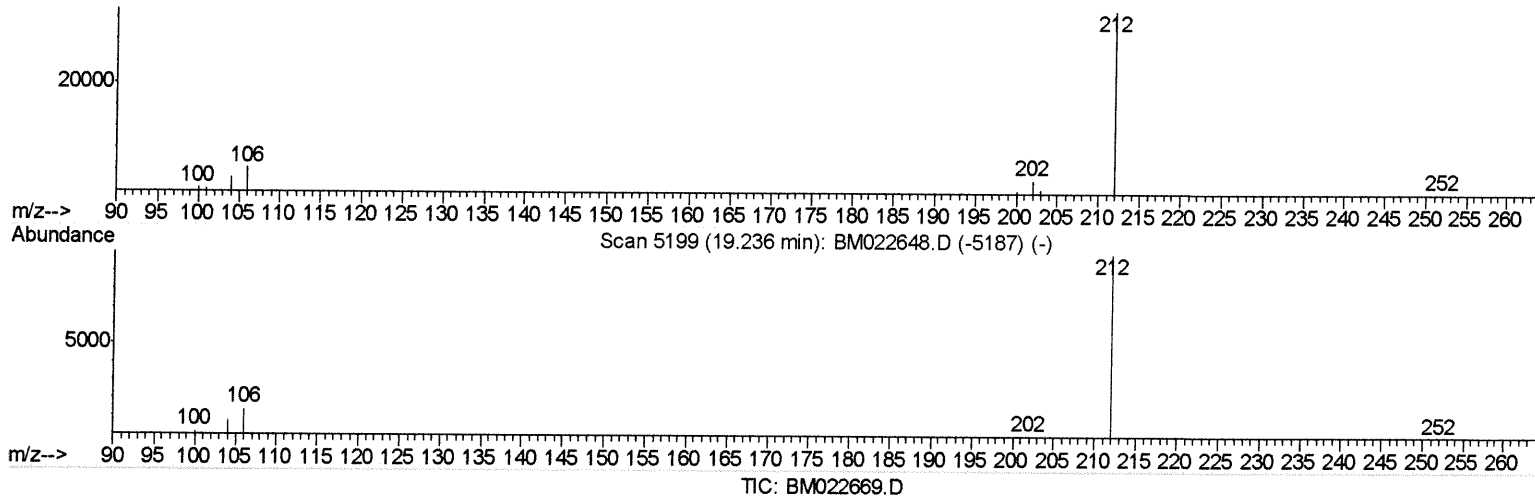
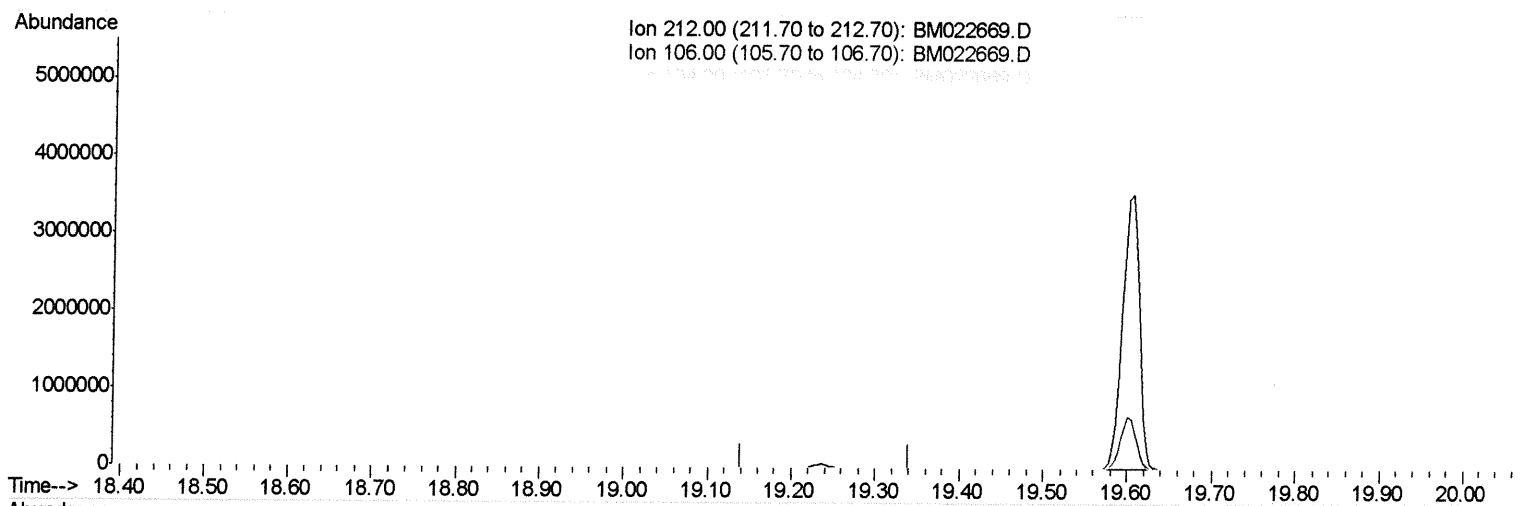
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



TIC: BM022669.D

(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

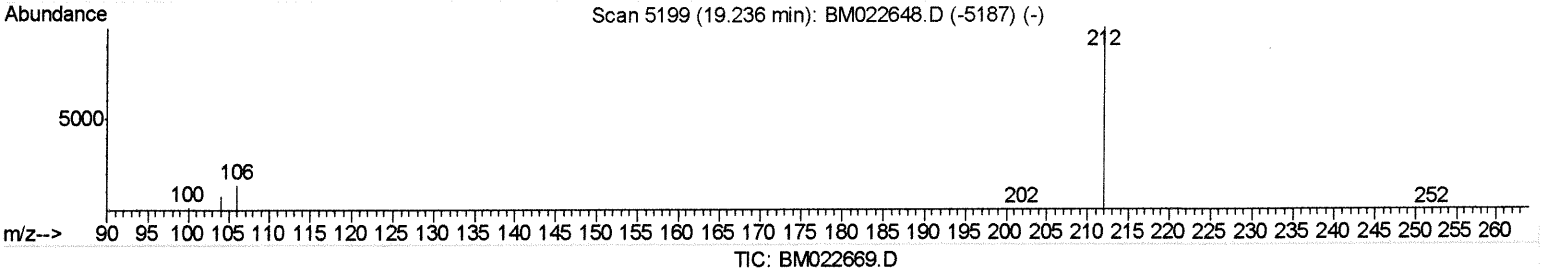
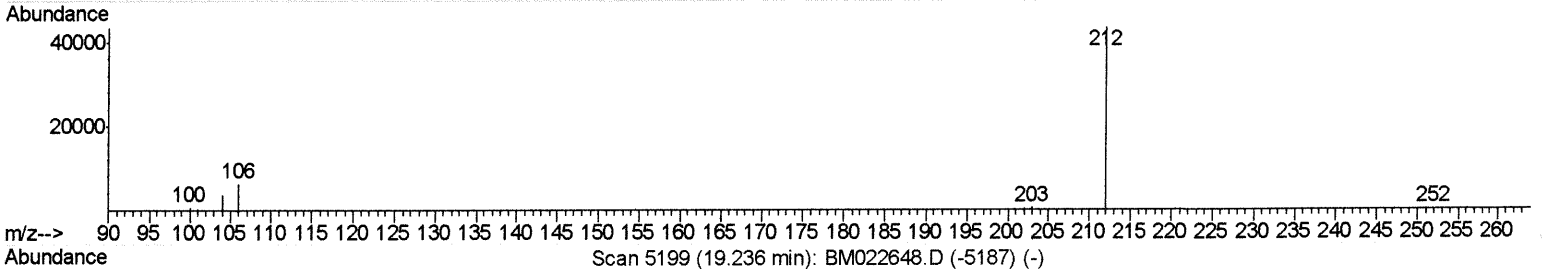
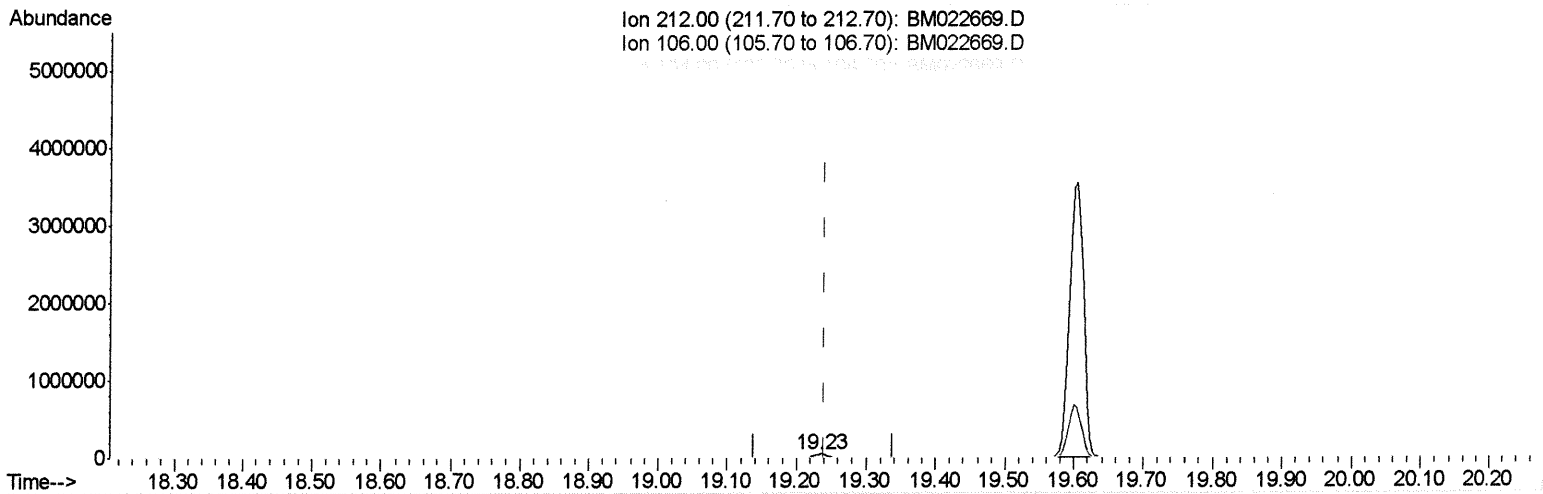
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.234min (-0.006) 0.32ng/ul m

JU
 09/13/19

response 57089

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

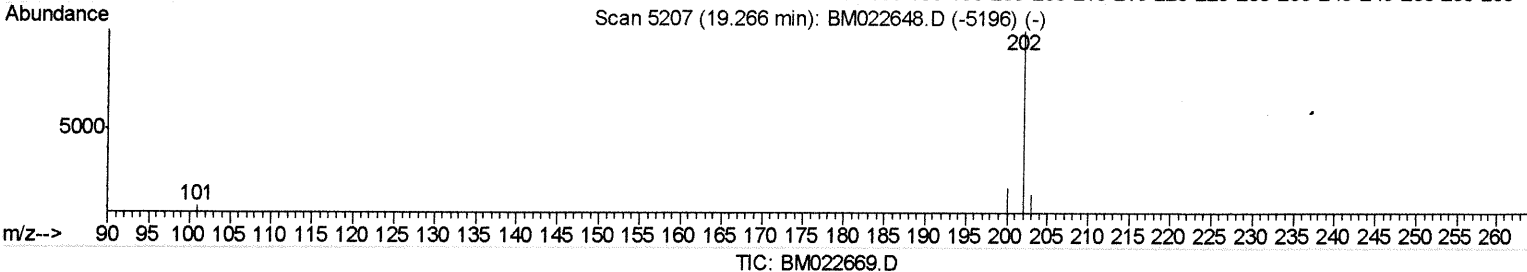
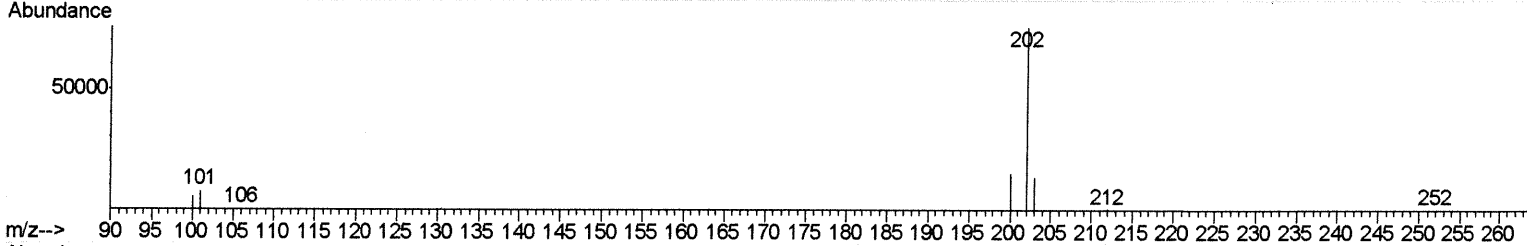
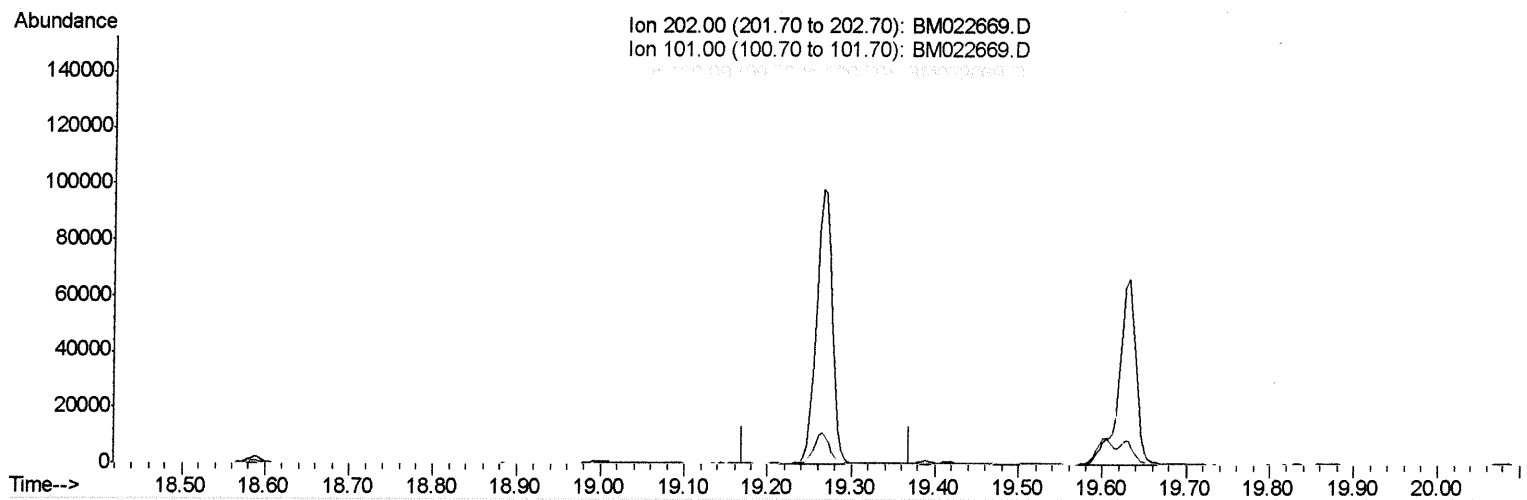
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.270min (-19.270) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.50	0.00
100.00	8.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

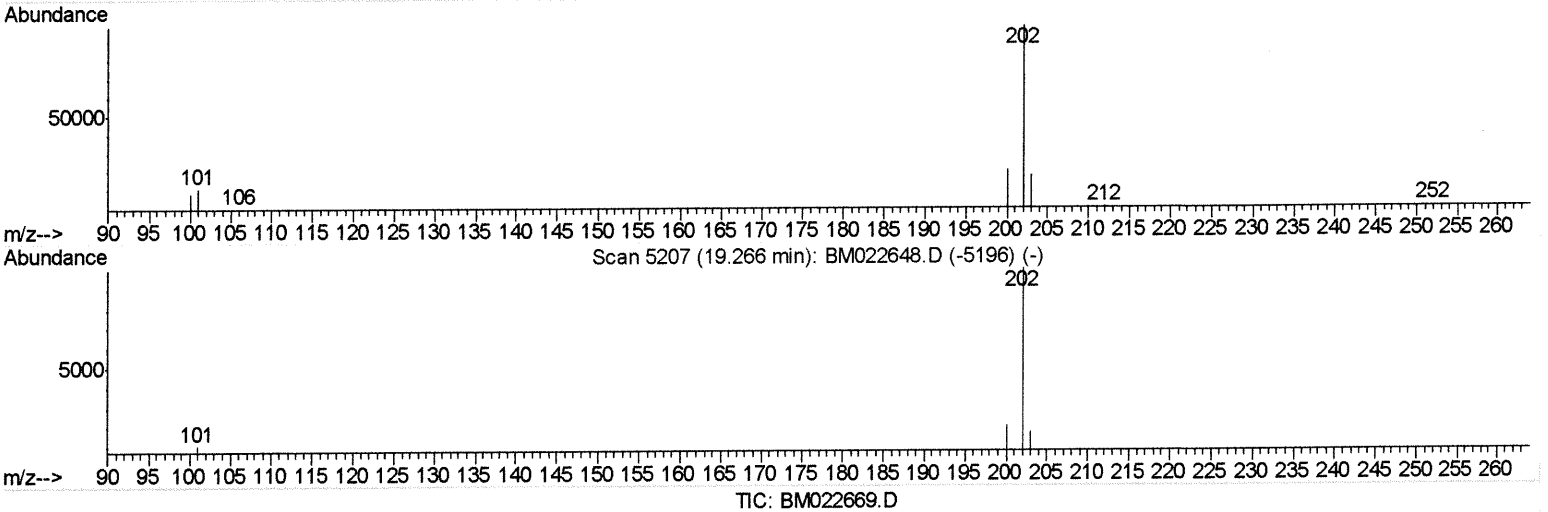
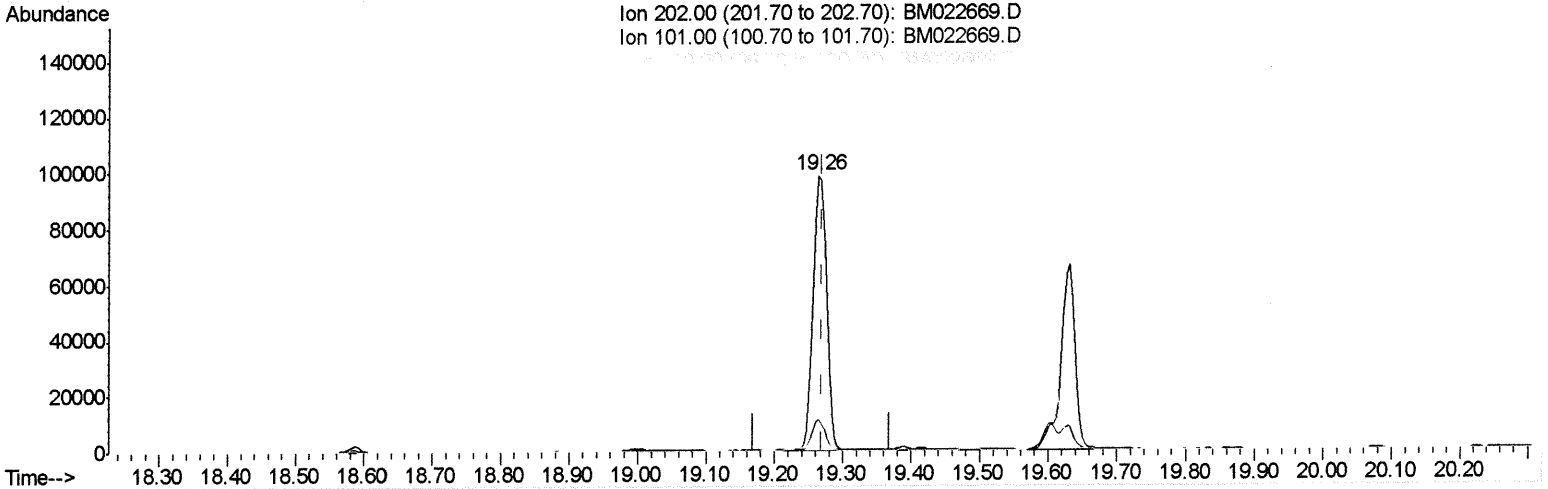
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.264min (-0.006) 0.59ng/ul m

response 131110

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	11.25
100.00	8.00	8.65
0.00	0.00	0.00

Quantitation Report (Qedit)

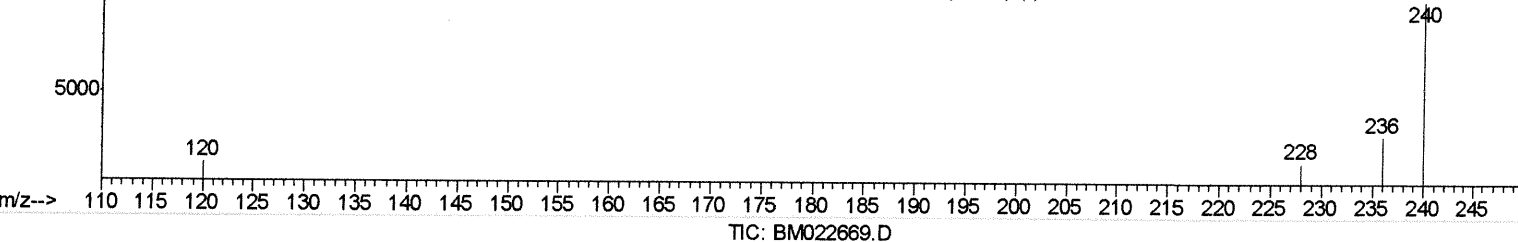
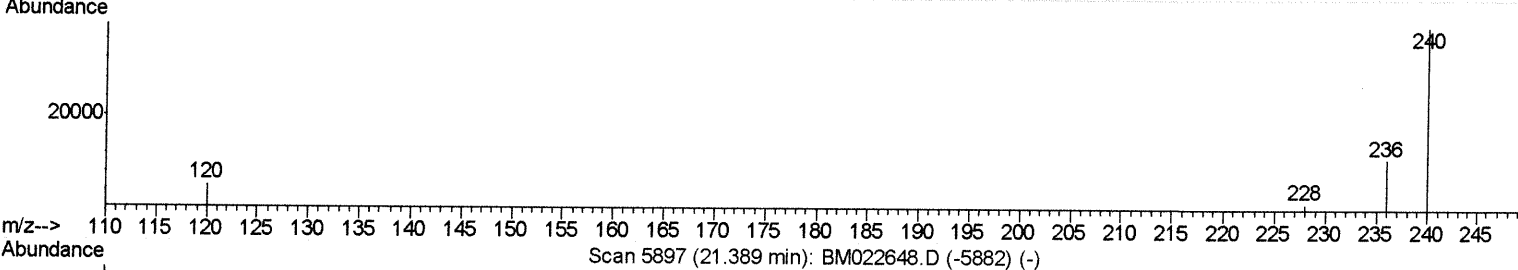
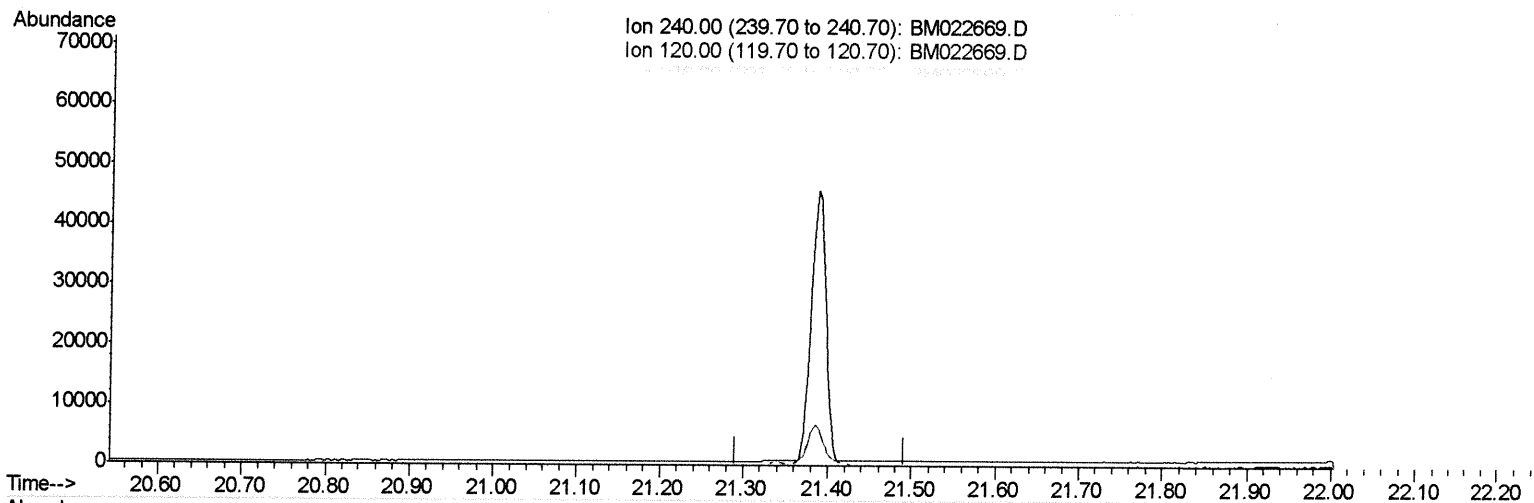
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.391min (-21.391) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.60	0.00#
236.00	28.80	0.00#
0.00	0.00	0.00

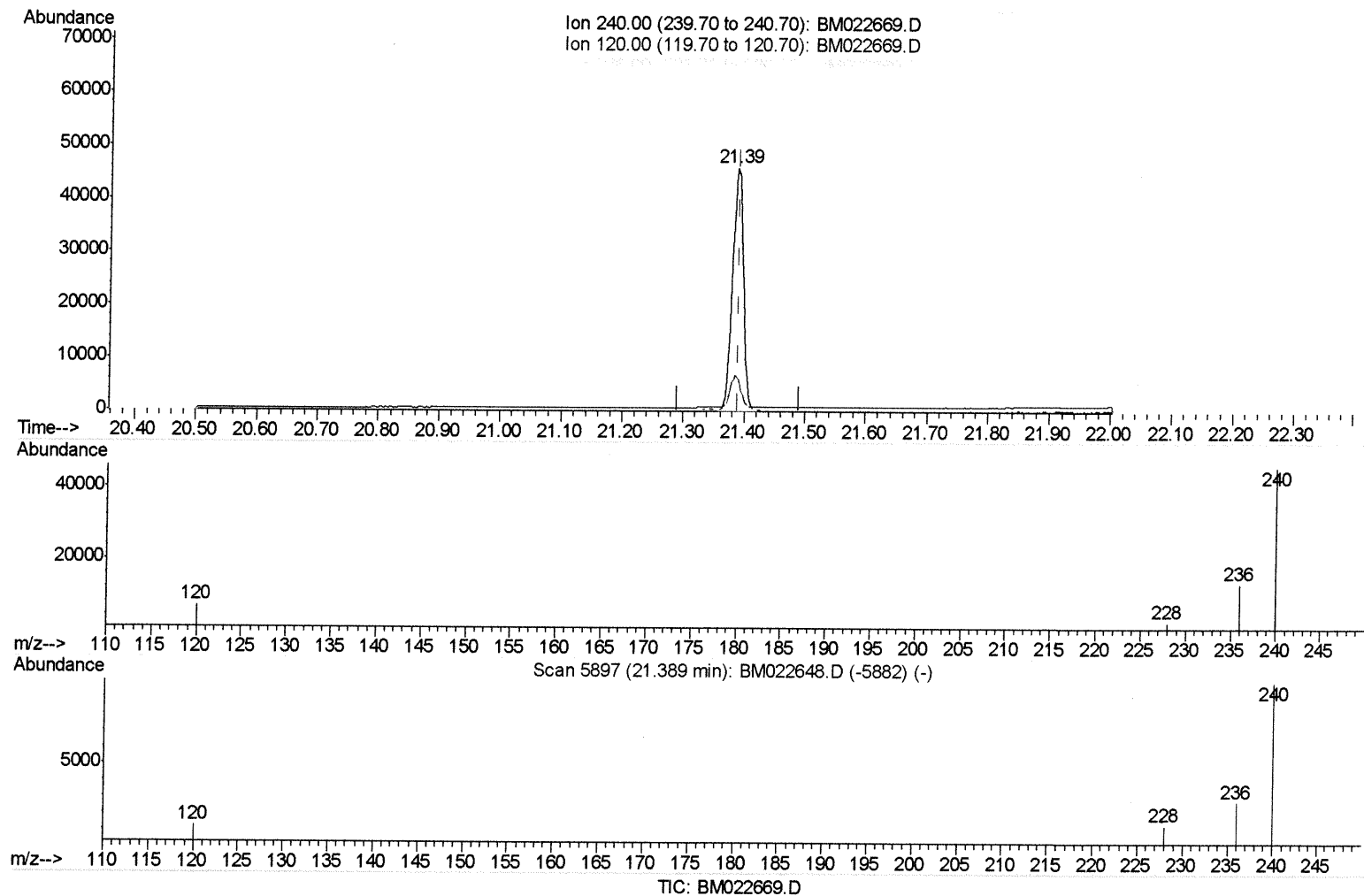
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
Data File : BM022669.D
Acq On : 12 Sep 2019 16:10
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BF574

Manual Integrations
APPROVED

mohammad
9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:18:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.387min (-0.005) 0.40ng/ul m *JU 09/13/19*

response 56940

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	14.76
236.00	28.80	28.75
0.00	0.00	0.00

Quantitation Report (Qedit)

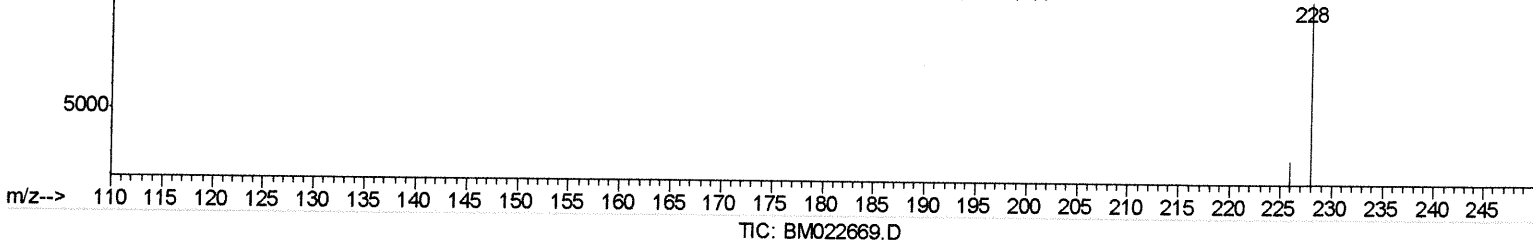
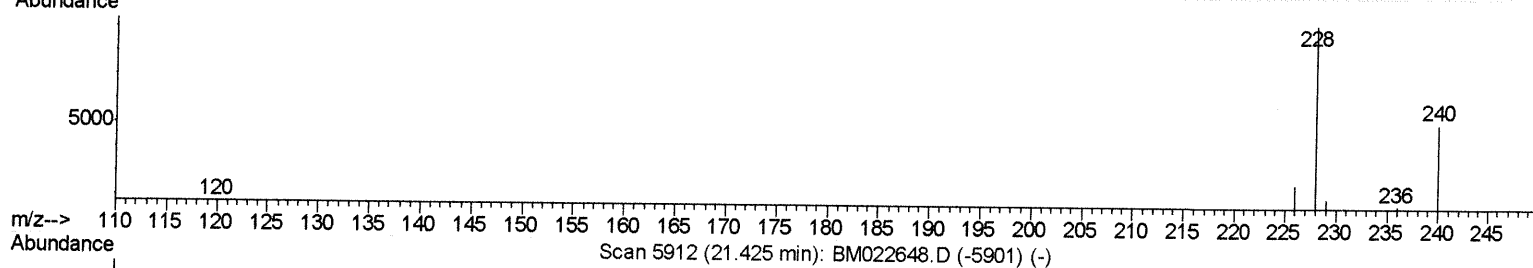
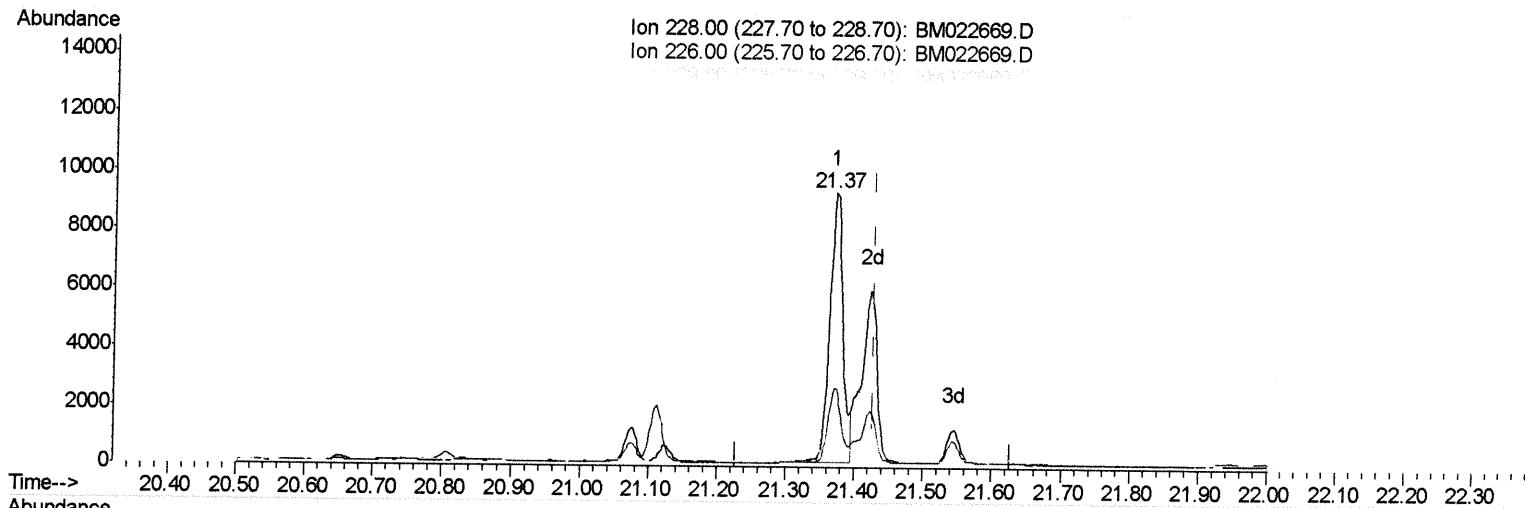
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:20:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(19) Chrysene

21.370min (-0.058) 0.05ng/ul

response 12346

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	28.50
229.00	19.40	22.44
0.00	0.00	0.00

Quantitation Report (Qedit)

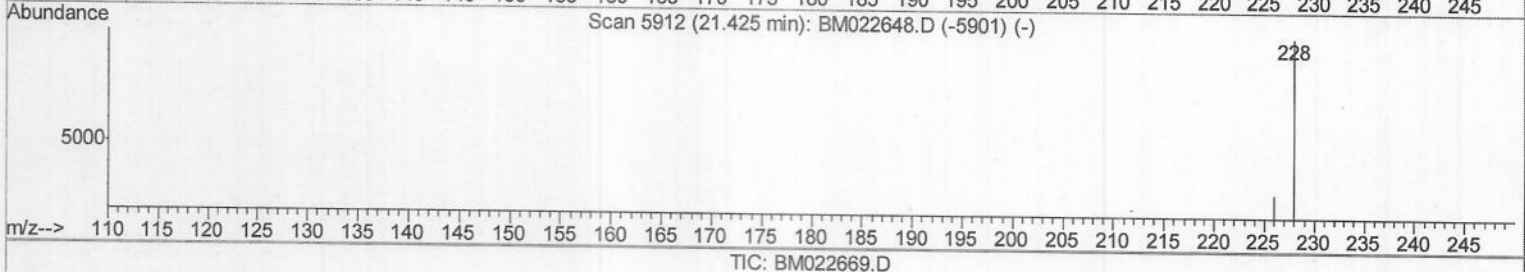
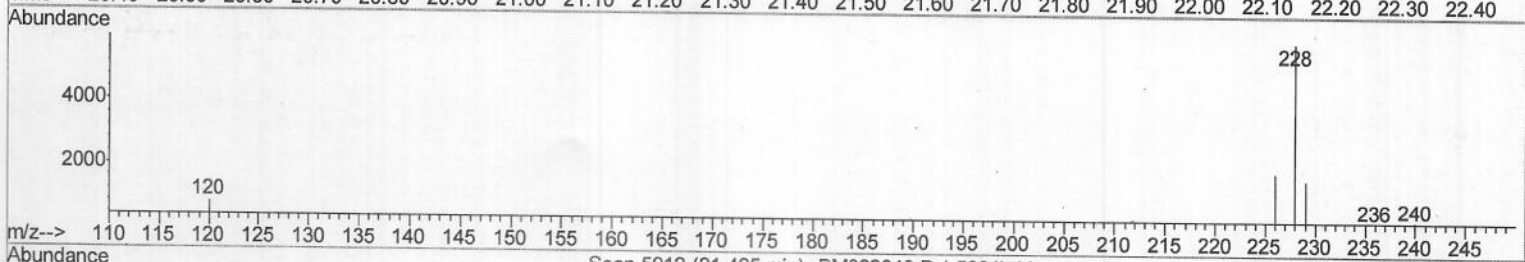
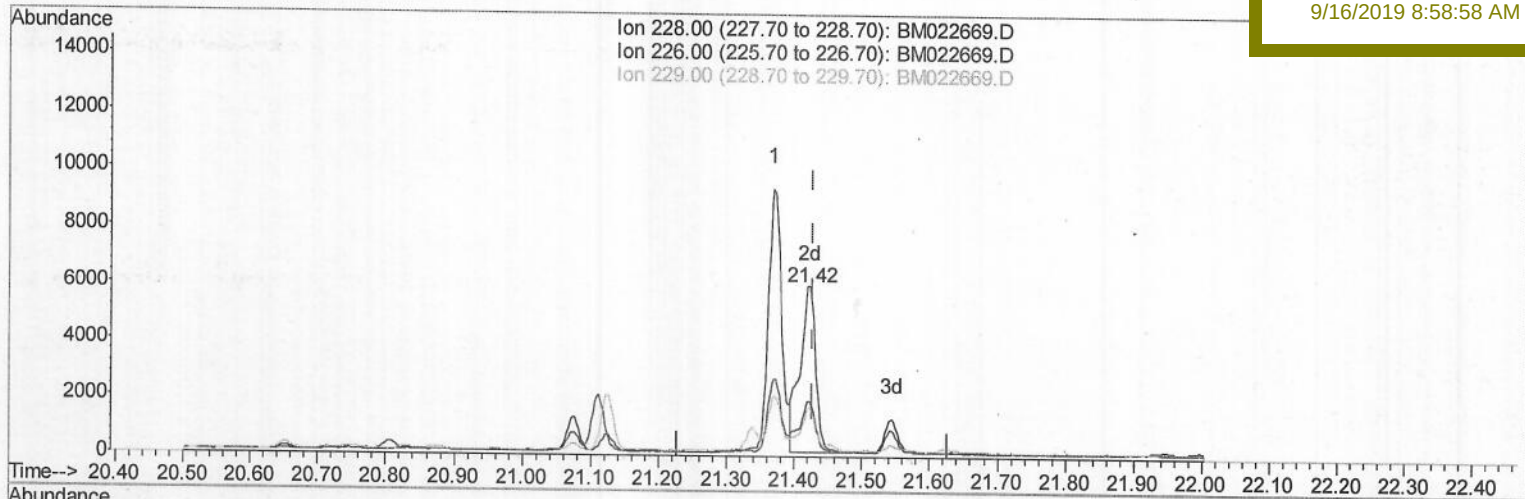
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 12 17:20:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM



TIC: BM022669.D

(19) Chrysene

21.423min (-0.005) 0.04ng/ul m

JU
 09/13/19

response 9250

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	32.15
229.00	19.40	28.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

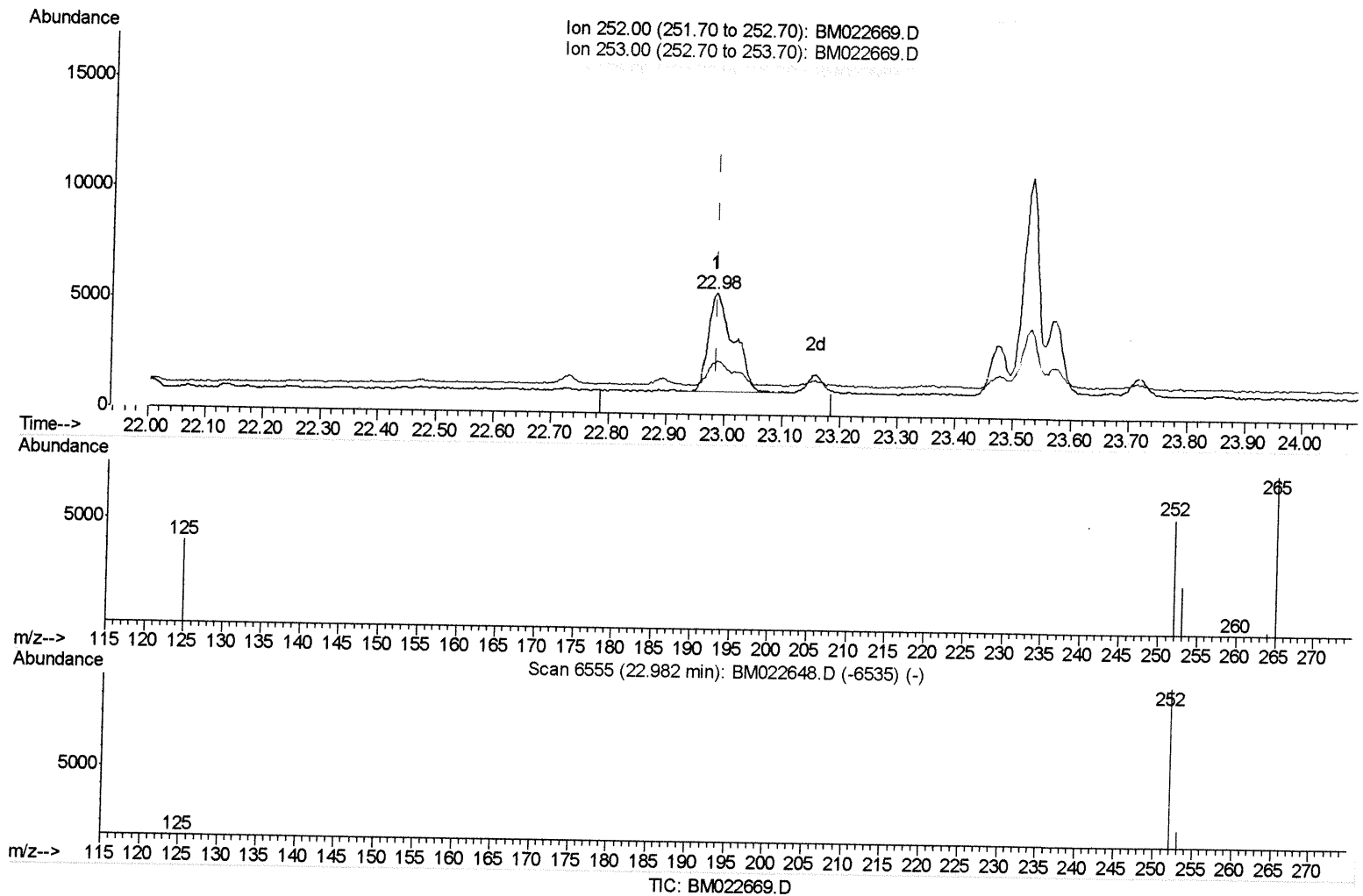
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
Data File : BM022669.D
Acq On : 12 Sep 2019 16:10
Operator : HP/JU
Sample : K4706-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BF574

Manual Integrations
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9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:21:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.983min (-0.005) 0.05ng/ul

response 13768

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	43.53
125.00	15.60	71.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

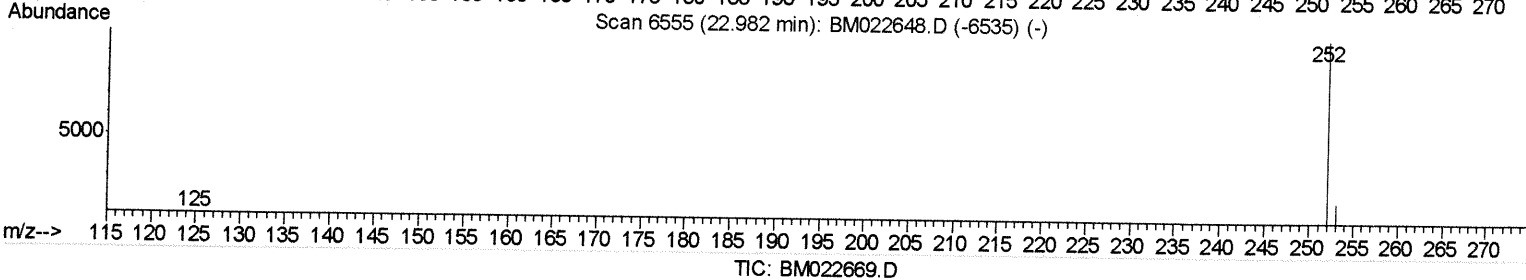
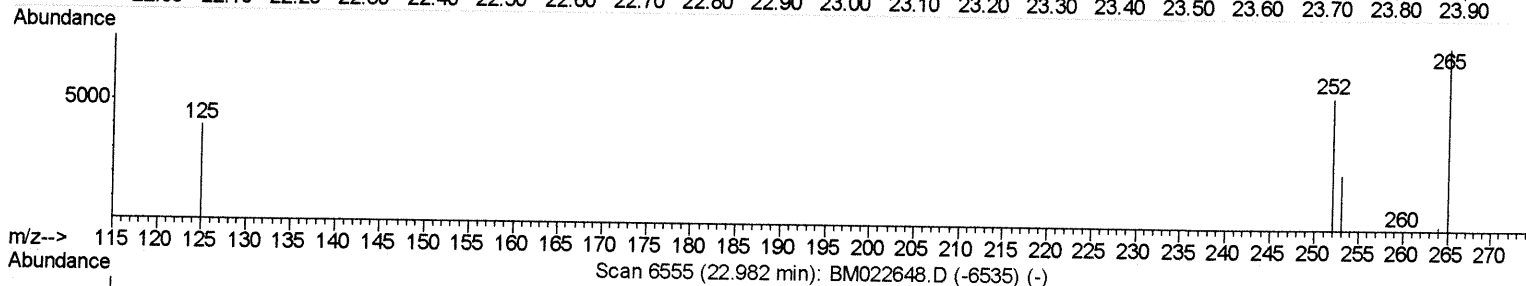
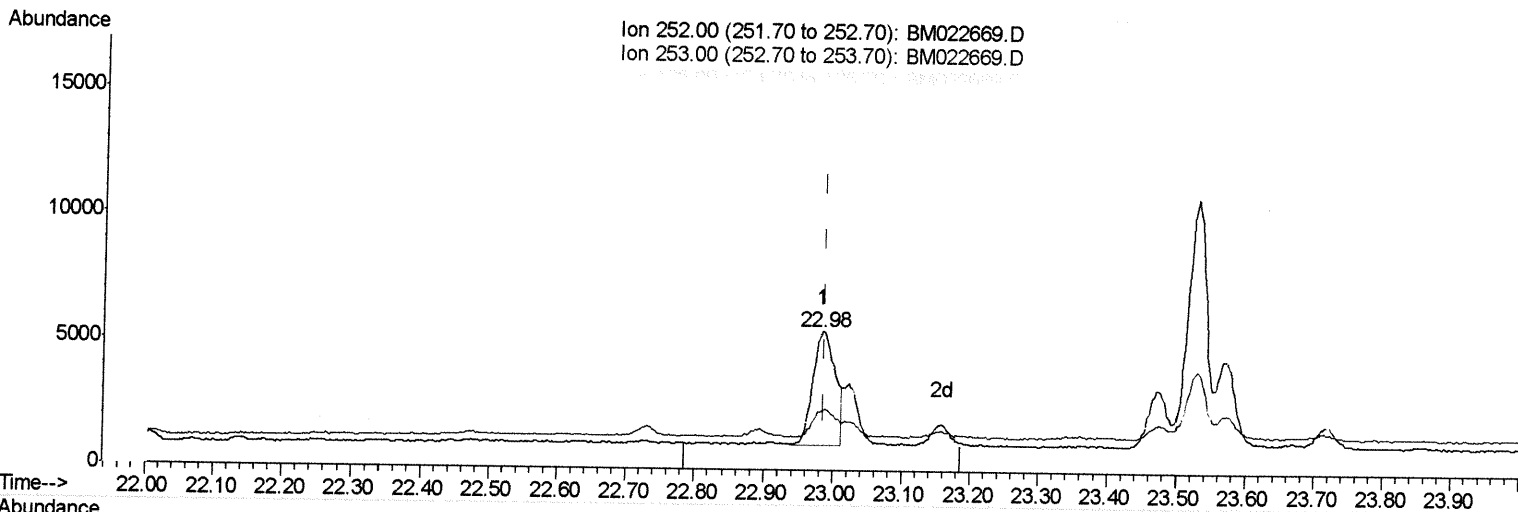
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:21:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.983min (-0.005) 0.04ng/ul m *JU 09/13/19*

response 10298

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	43.53
125.00	15.60	71.80#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091219\
 Data File : BM022669.D
 Acq On : 12 Sep 2019 16:10
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:58 AM

Quant Time: Sep 12 17:23:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	11597	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	50083	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	28432	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	64815m →	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	56940m →	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	57989	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.23	152	20887	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.23	212	57089m →	0.32	ng/ul	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	14065	0.099	ng/ul	98
5) 2-Methylnaphthalene	12.30	142	39721	0.406	ng/ul	99
8) Acenaphthene	14.54	153	140798	1.278	ng/ul	99
9) Fluorene	15.52	166	214452	1.699	ng/ul	99
12) Phenanthrene	17.25	178	690315m →	3.343	ng/ul	99
13) Anthracene	17.34	178	40503m →	0.229	ng/ul	99
15) Fluoranthene	19.26	202	131110m →	0.588	ng/ul	99
17) Pyrene	19.63	202	94268	0.365	ng/ul	99
18) Benzo(a)anthracene	21.37	228	12324	0.057	ng/ul	96
19) Chrysene	21.42	228	9250m →	0.040	ng/ul	99
21) Benzo(b)fluoranthene	22.98	252	10298m →	0.041	ng/ul	99

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