

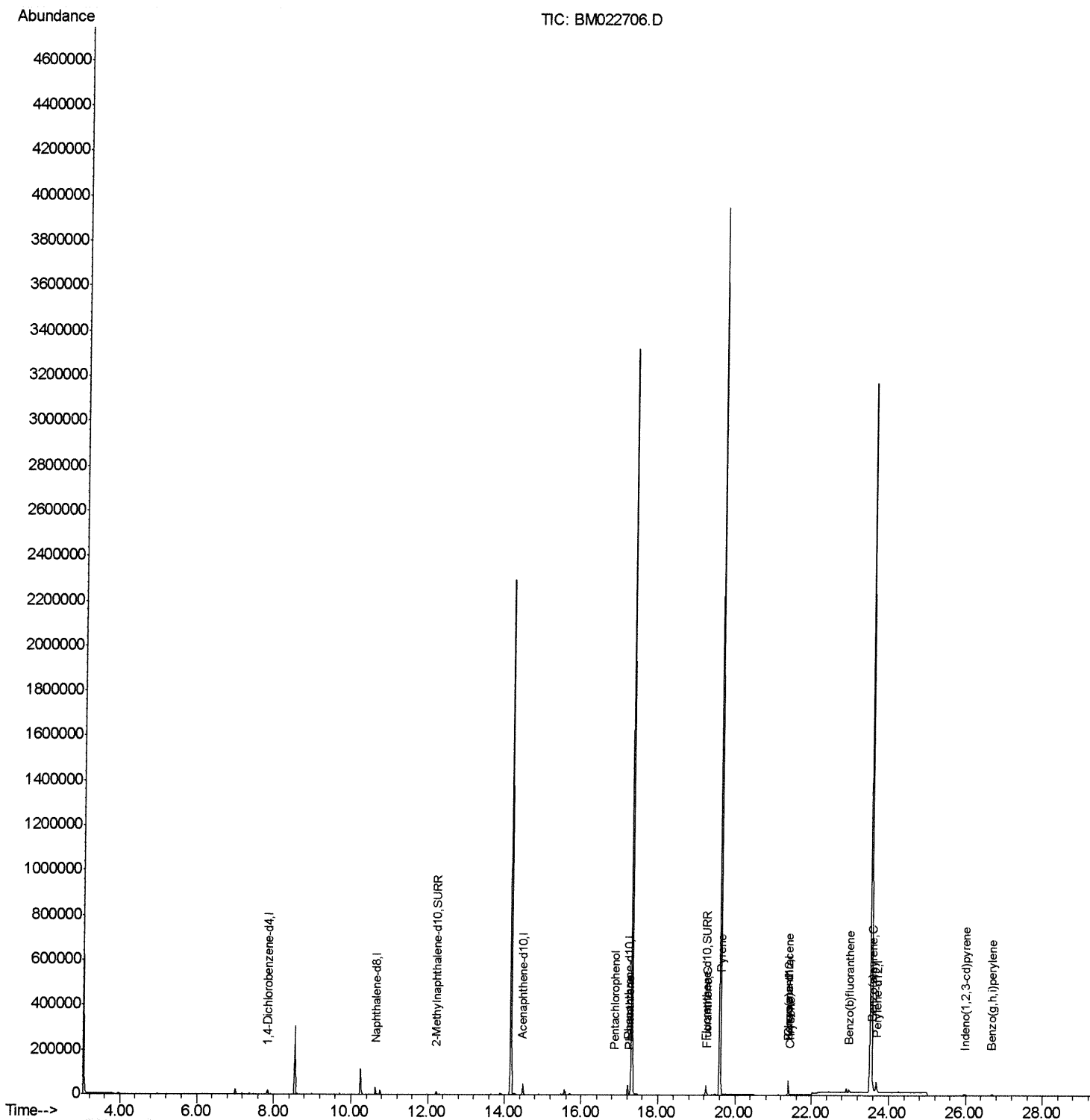
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022706.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4780-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H0BM5

Manual Integrations
APPROVED

mohammad
9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:27:58 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)

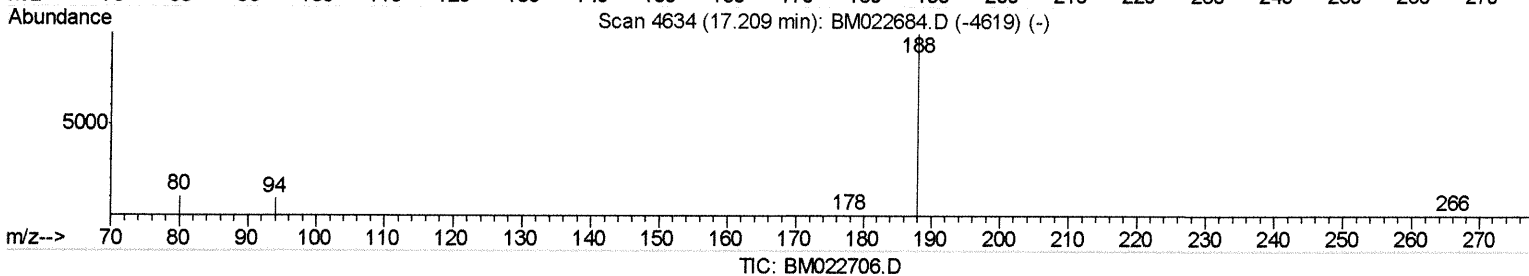
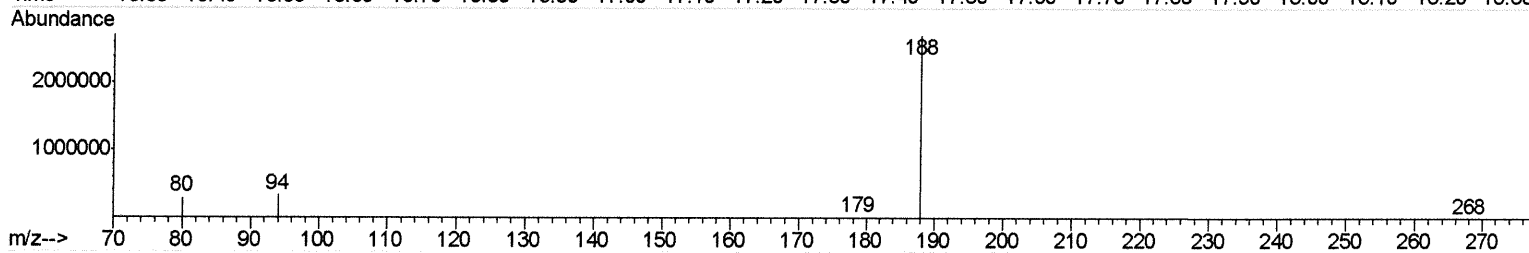
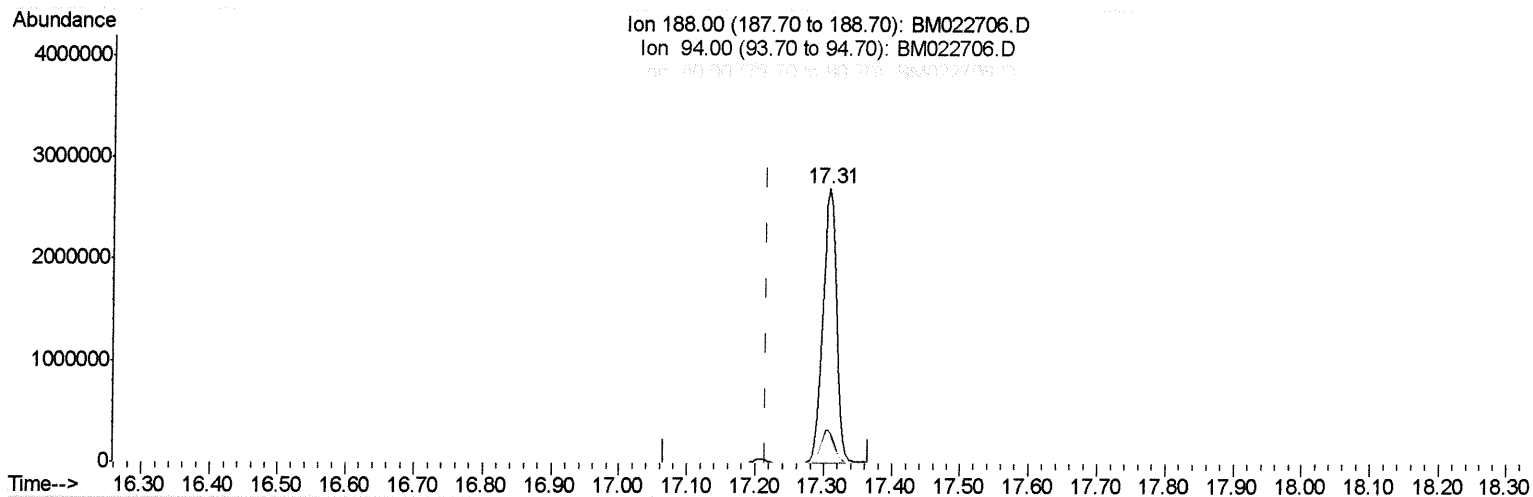
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 17:52:13 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)

17.306min (+0.090) 0.40ng/ul

response 3808073

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	12.11#
80.00	11.00	10.60
0.00	0.00	0.00

Quantitation Report (Qedit)

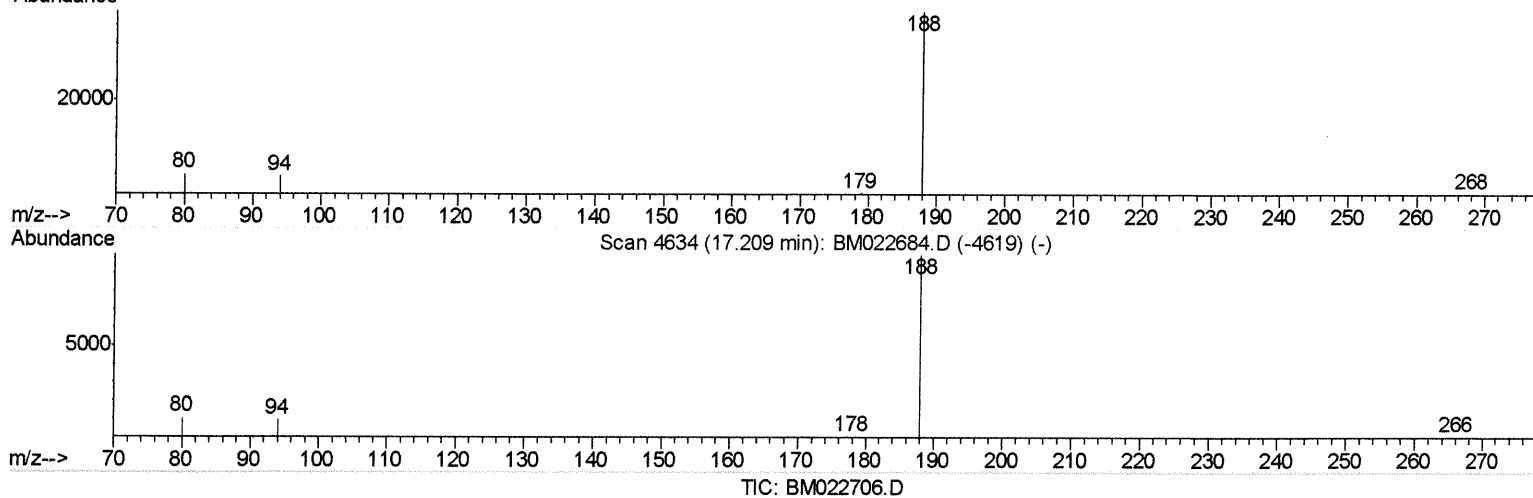
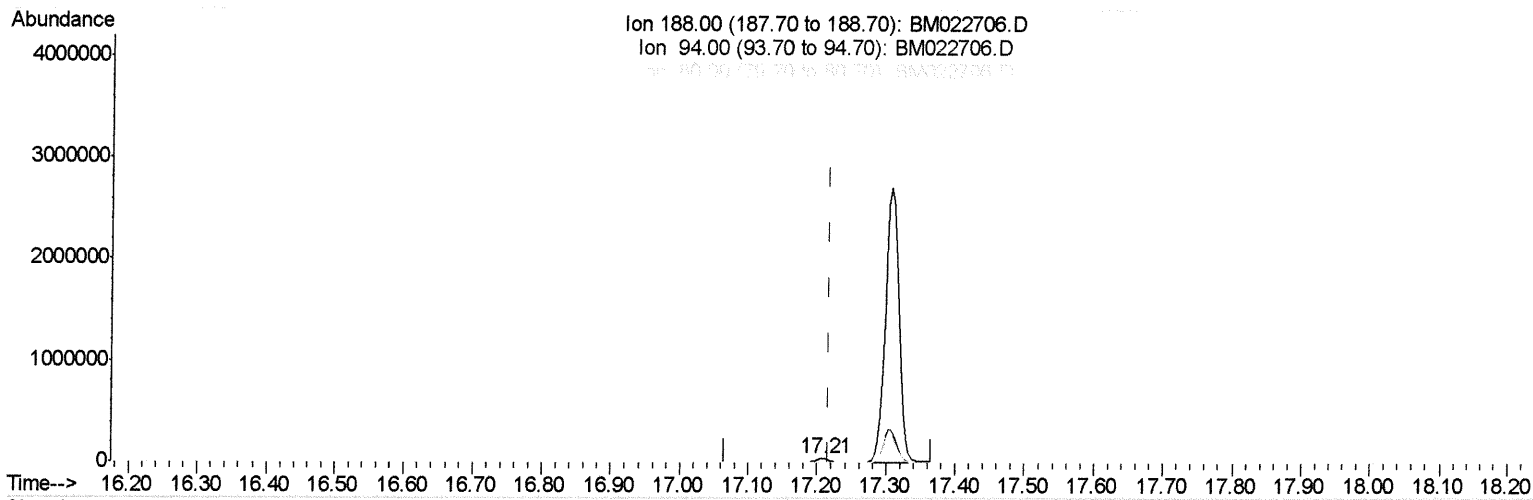
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022706.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4780-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H0BM5

Manual Integrations
APPROVED

mohammad
9/19/2019 4:44:30 PM

Quant Time: Sep 17 17:52:13 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)

17.209min (-0.007) 0.40ng/ul mJU 09/24/19

response 54588

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	9.67
80.00	11.00	10.41
0.00	0.00	0.00

Quantitation Report (Qedit)

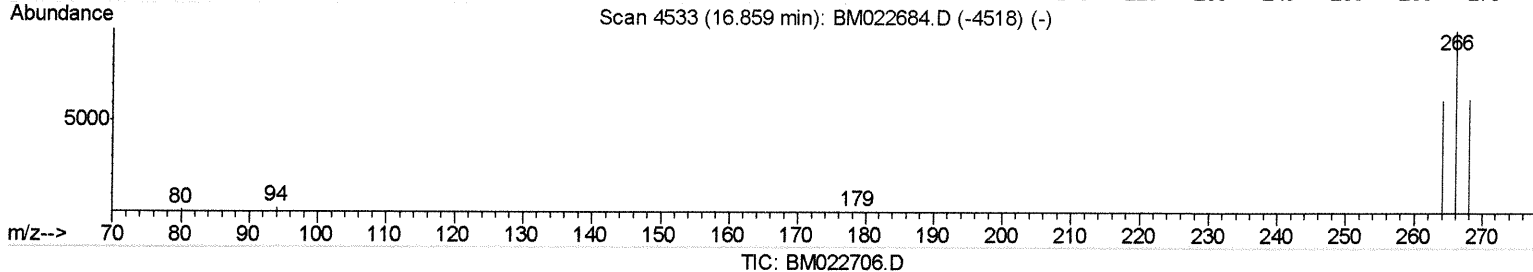
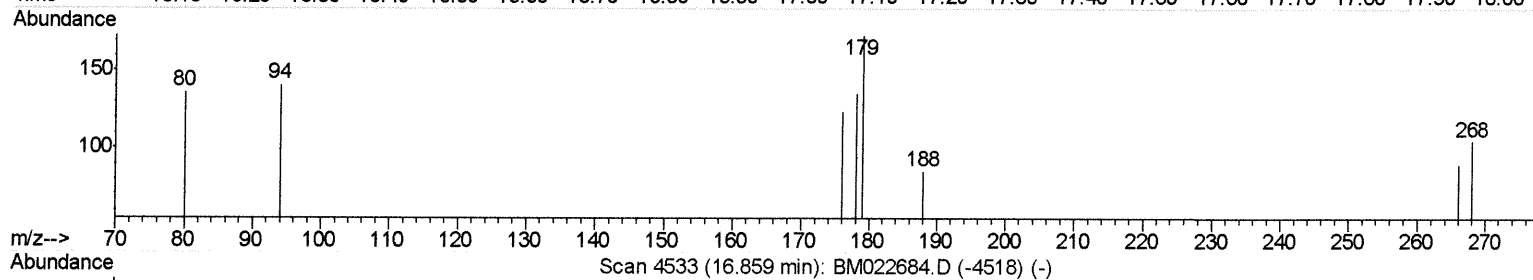
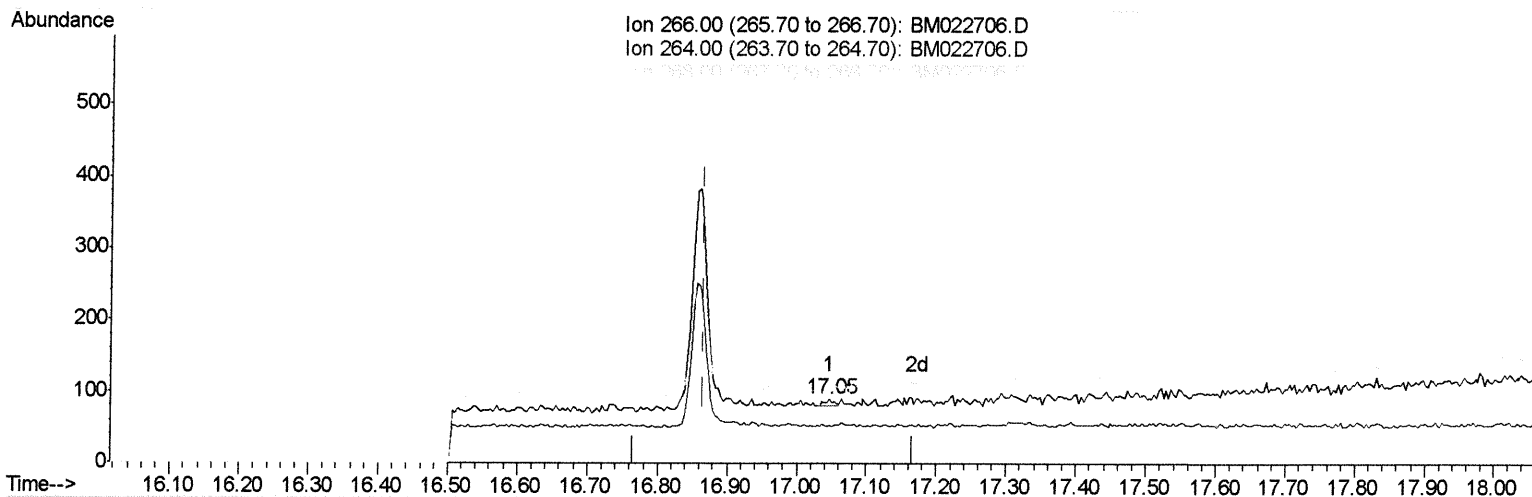
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022706.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4780-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H0BM5

Manual Integrations
APPROVED

mohammad
9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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



(11) Pentachlorophenol

17.046min (+0.180) 0.00ng/ul

response 9

Ion	Exp%	Act%
266.00	100	100
264.00	63.00	0.00#
268.00	64.10	244.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

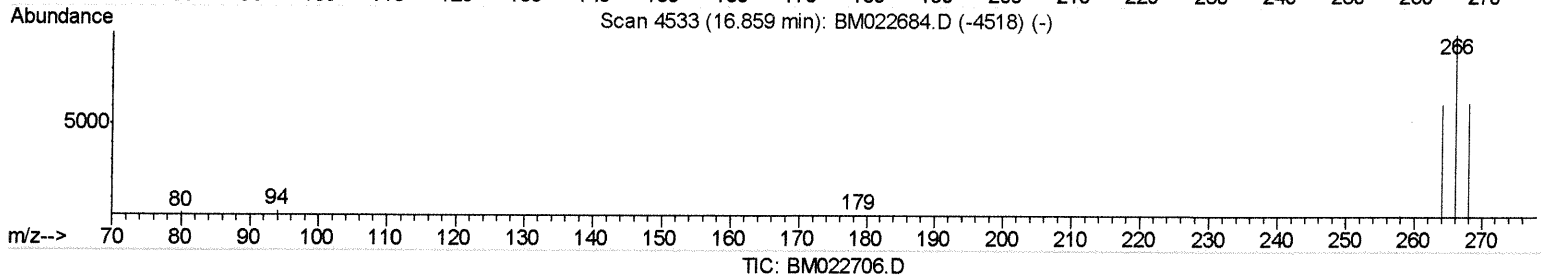
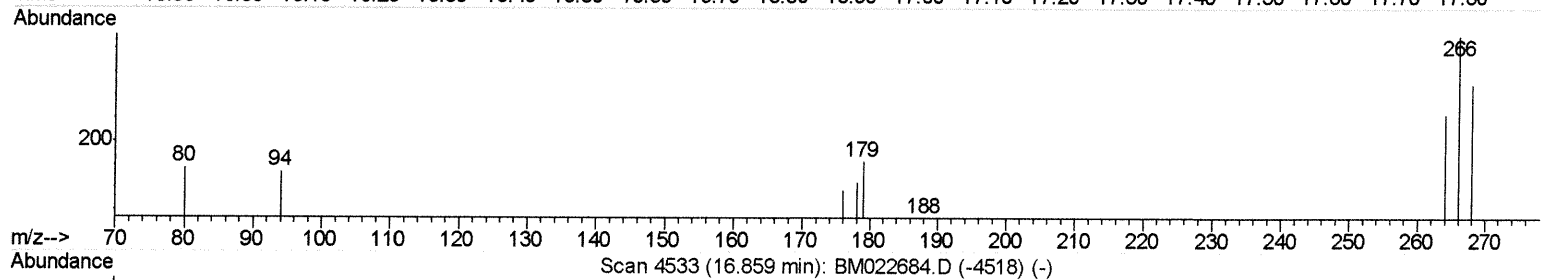
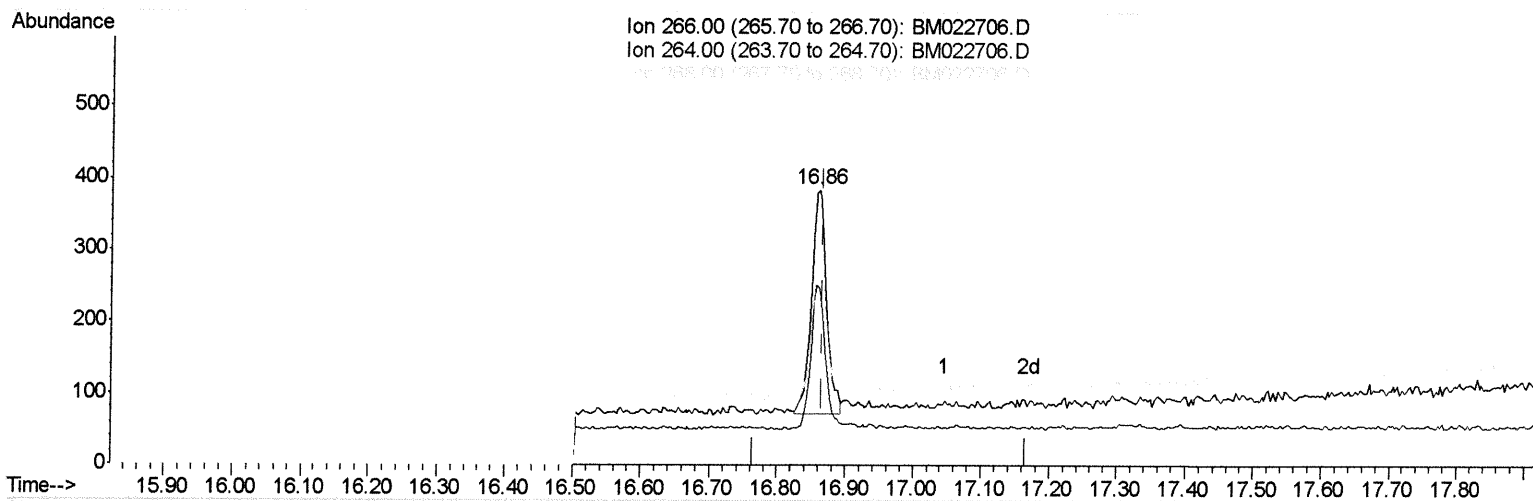
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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



(11) Pentachlorophenol

16.859min (-0.007) 0.04ng/ul m *34 09/24/19*

response 498

Ion	Exp%	Act%
266.00	100	100
264.00	63.00	0.00#
268.00	64.10	4.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

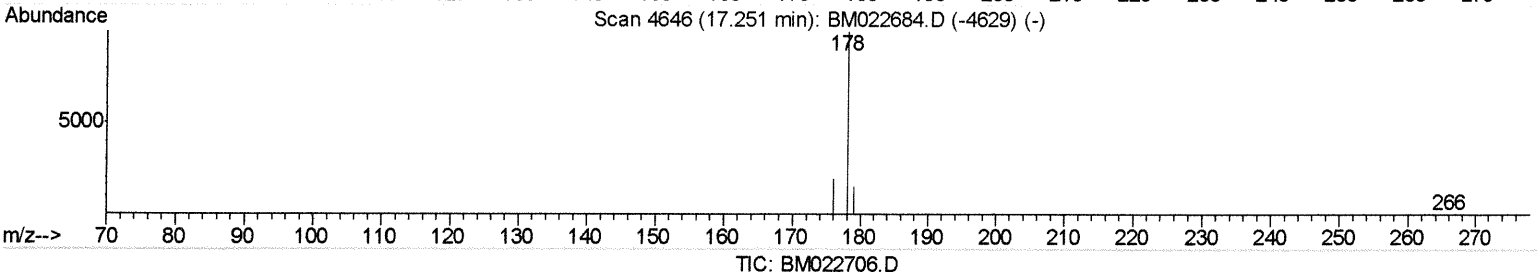
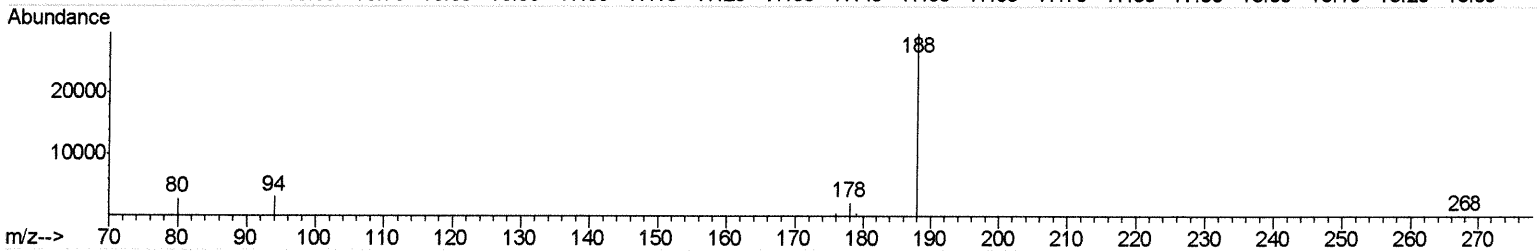
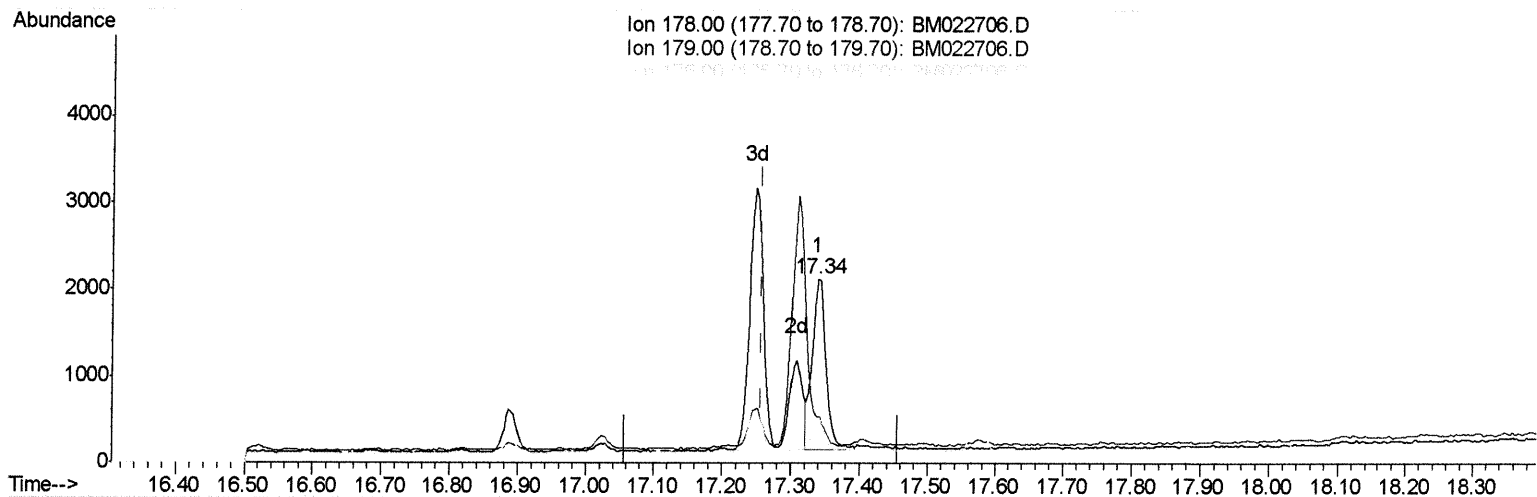
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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

17.338min (+0.080) 0.02ng/ui

response 2816

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	25.48#
176.00	19.10	23.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

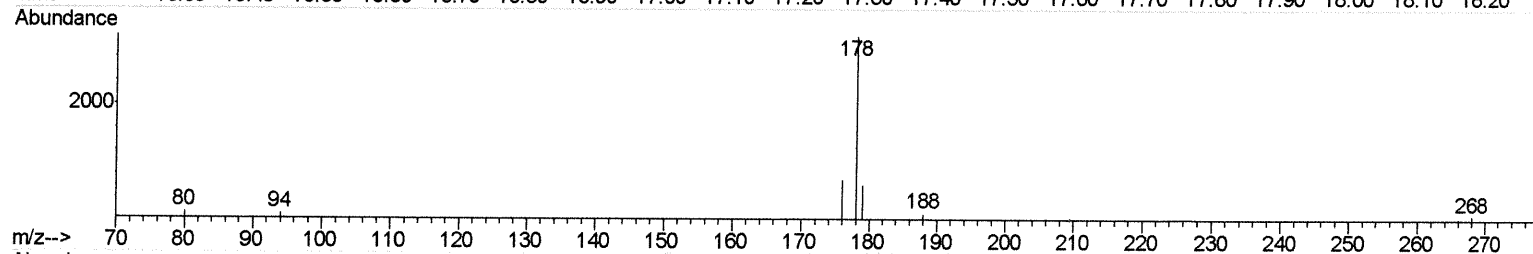
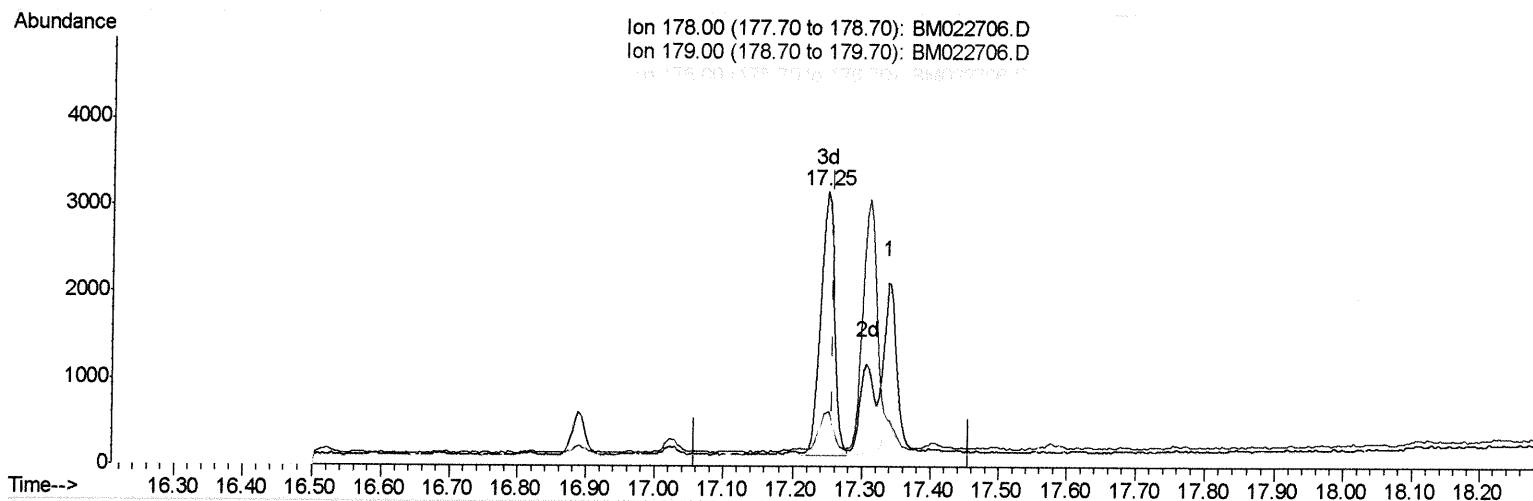
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

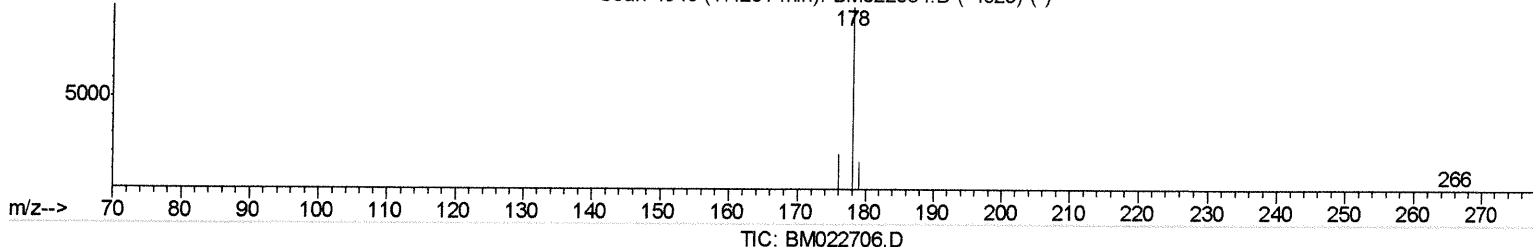
Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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



Scan 4646 (17.251 min): BM022684.D (-4629) (-)



(12) Phenanthrene

17.247min (-0.011) 0.02ng/ul m JU 09/24/19

response 4240

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	19.65#
176.00	19.10	22.30
0.00	0.00	0.00

Quantitation Report (Qedit)

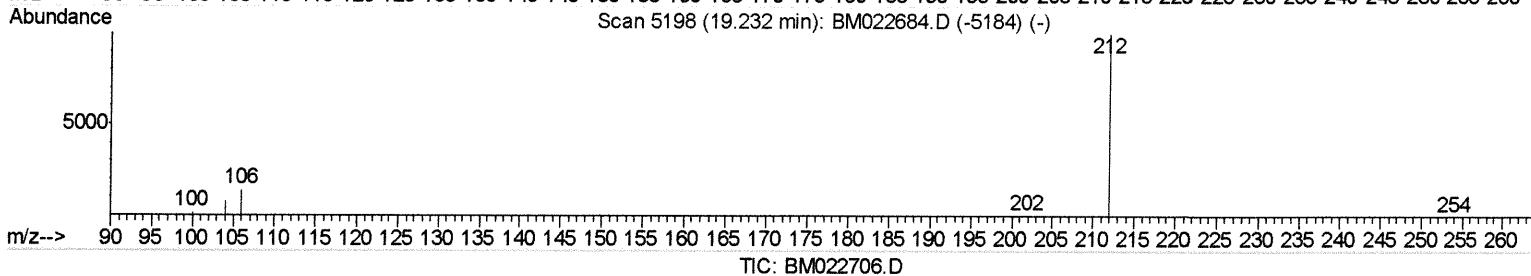
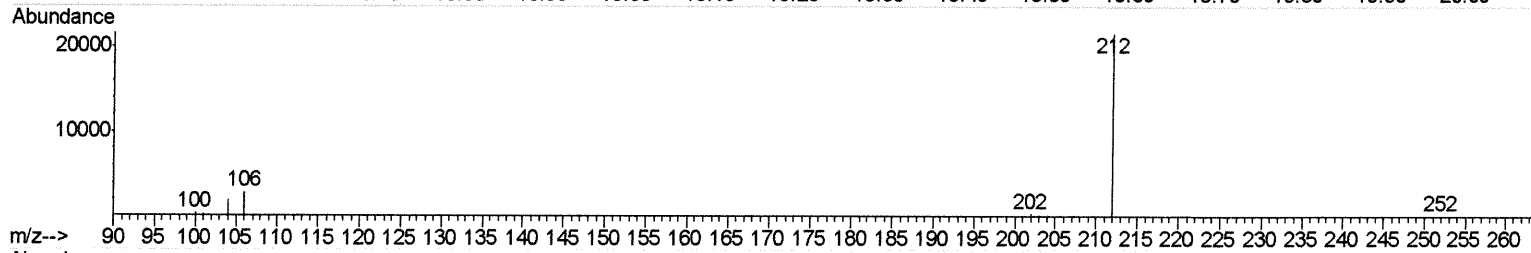
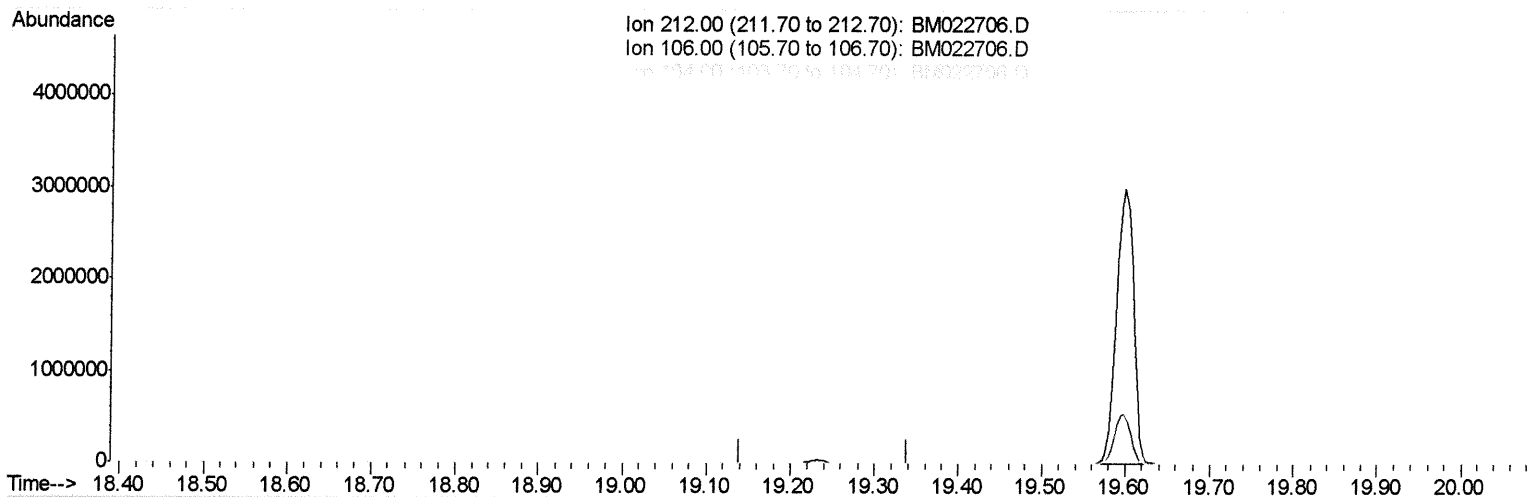
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022706.D
Acq On : 17 Sep 2019 14:43
Operator : HP/JU
Sample : K4780-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
H0BM5

Manual Integrations
APPROVED

mohammad
9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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)

19.240min (-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)

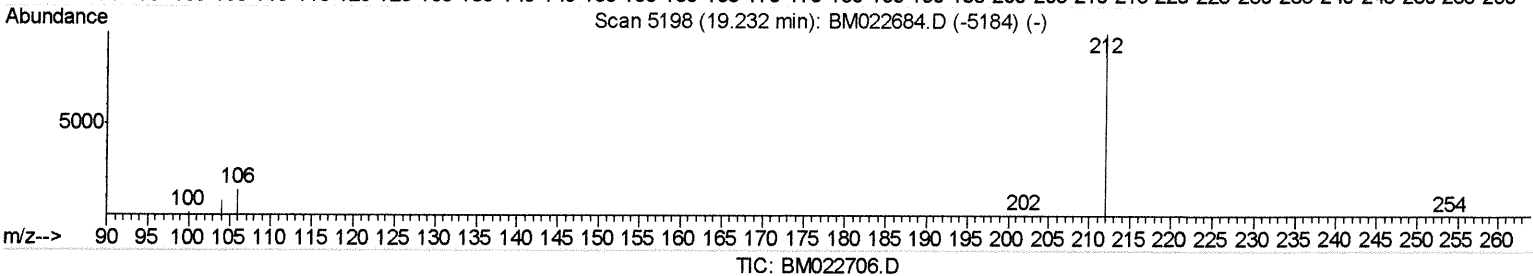
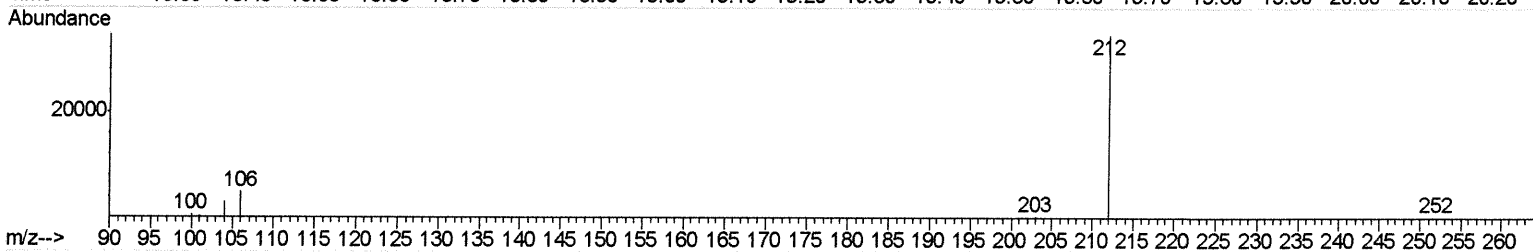
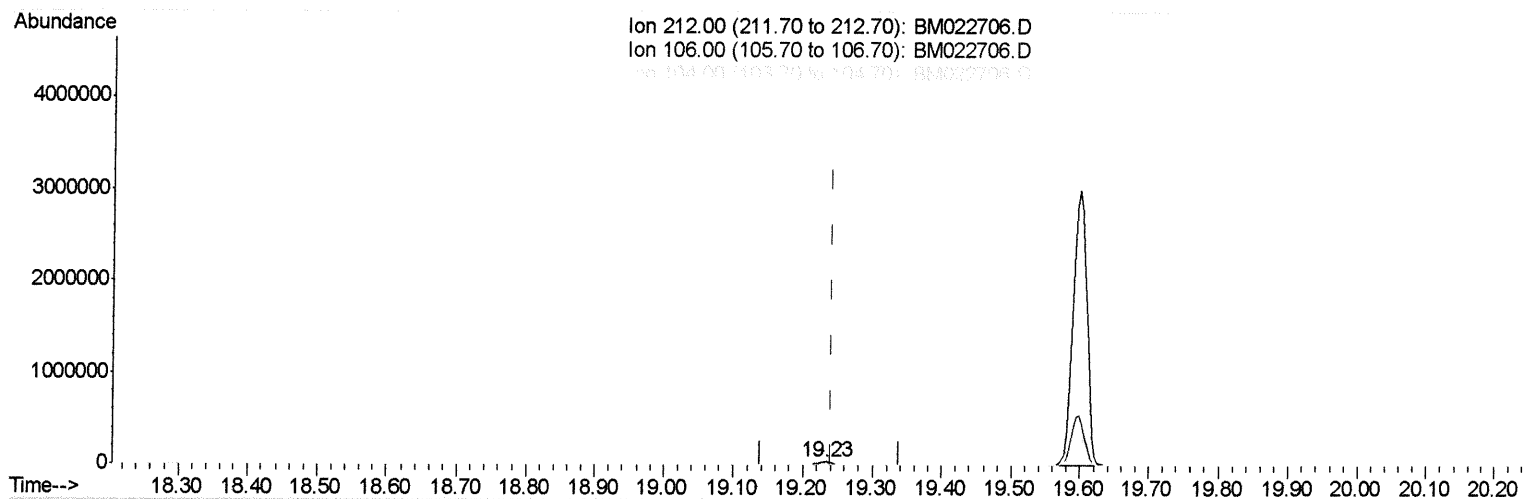
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:23:59 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)

19.232min (-0.008) 0.31ng/ul m JU 09/24/19

response 45895

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)

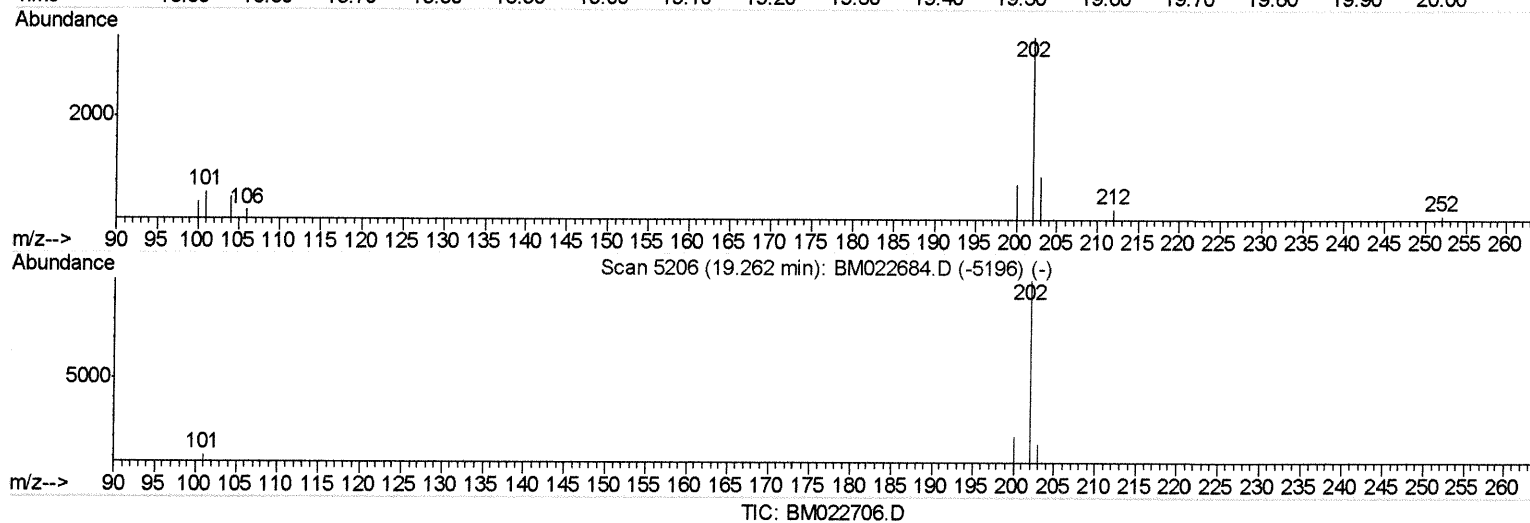
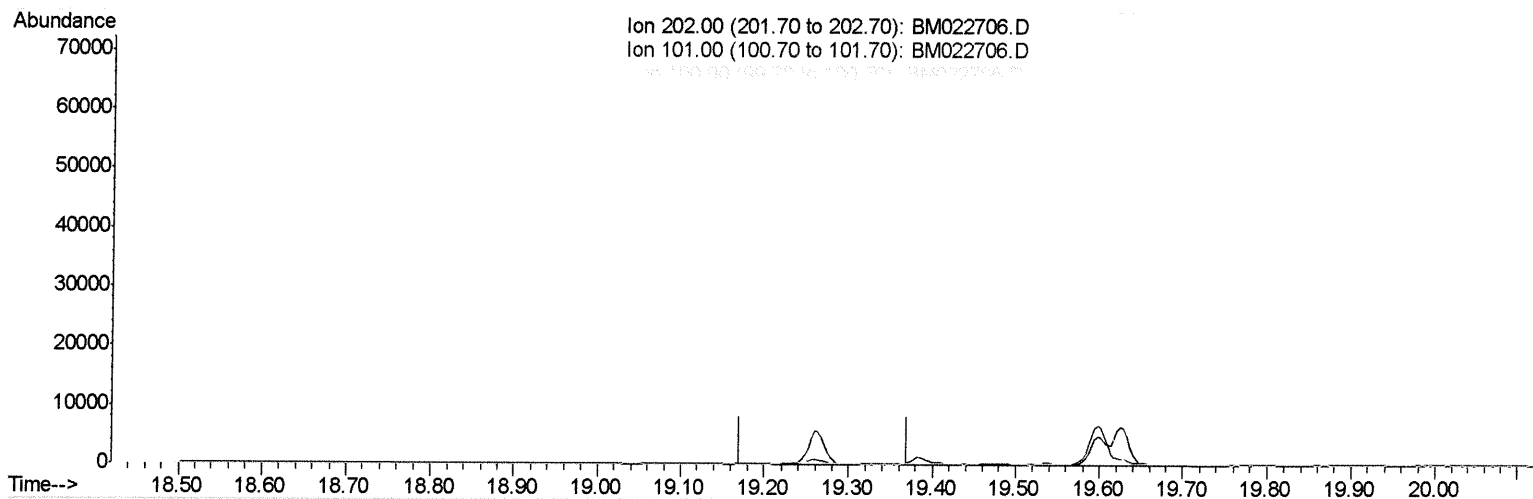
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:25:45 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)

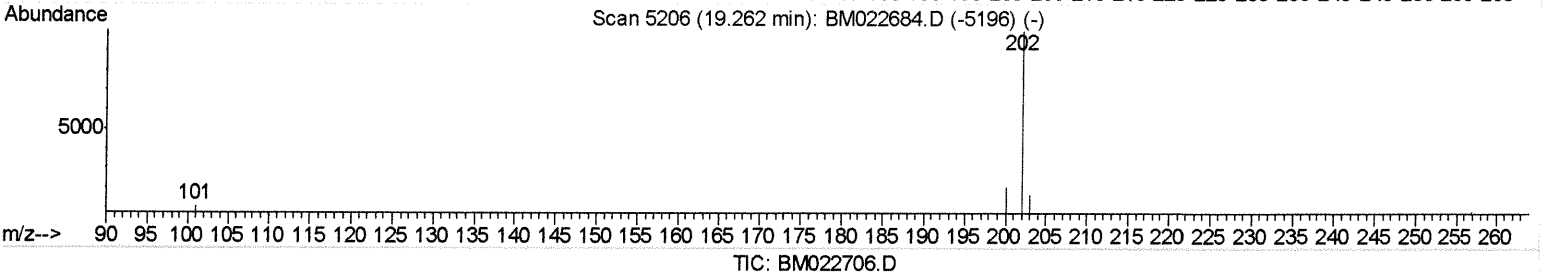
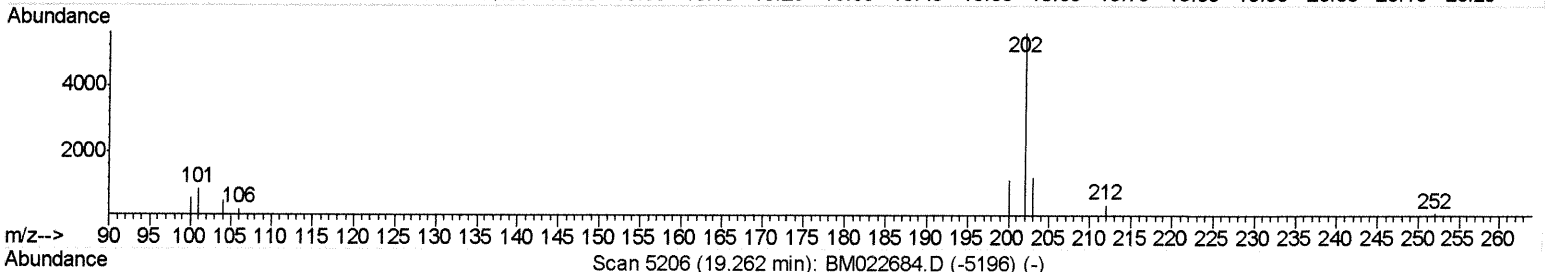
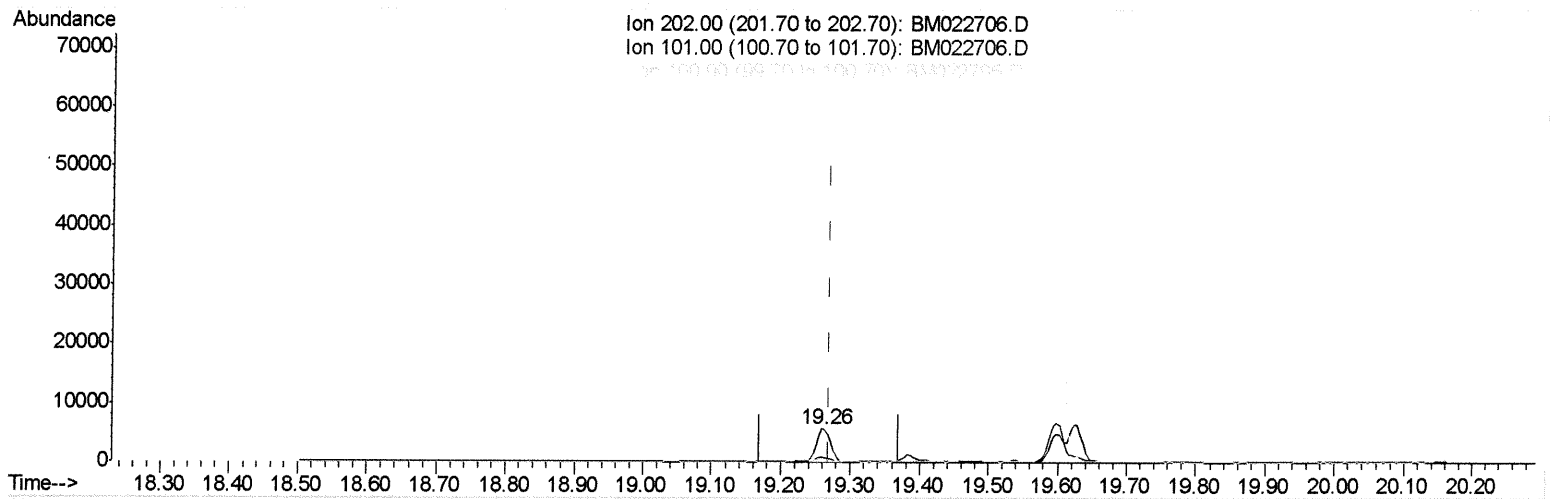
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:25:45 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)

19.262min (-0.008) 0.04ng/ul m *JU 09/24/19*

response 7790

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	15.23
100.00	8.00	10.71
0.00	0.00	0.00

Quantitation Report (Qedit)

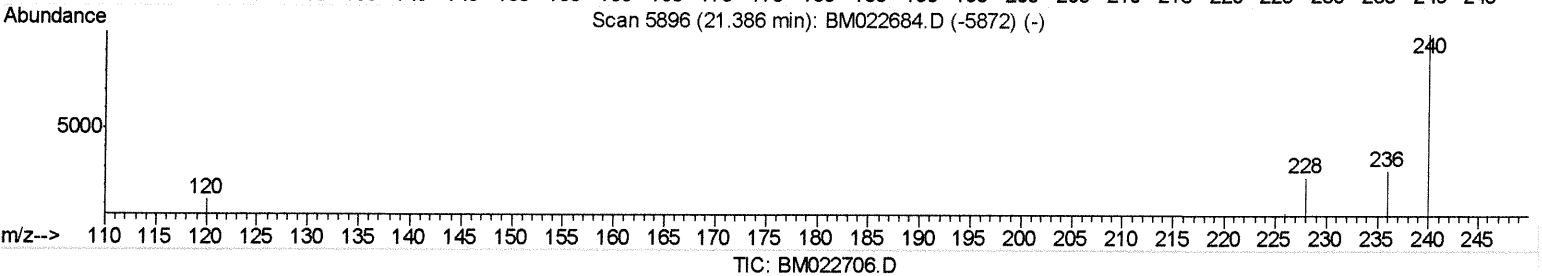
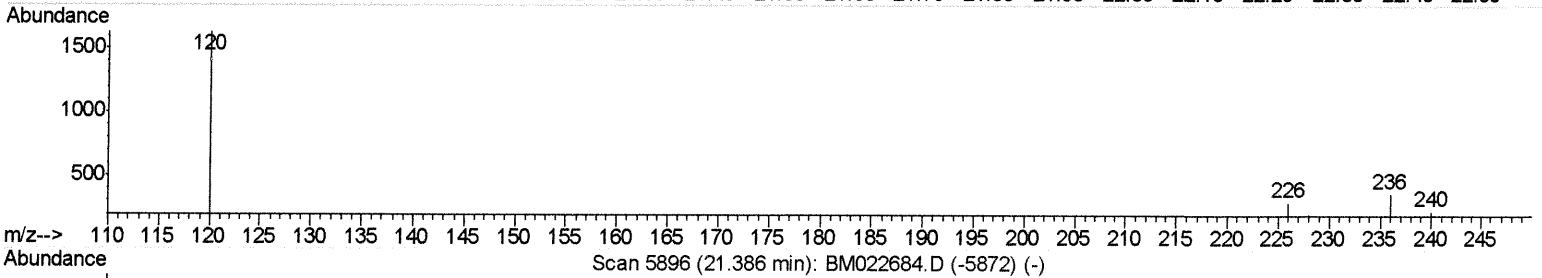
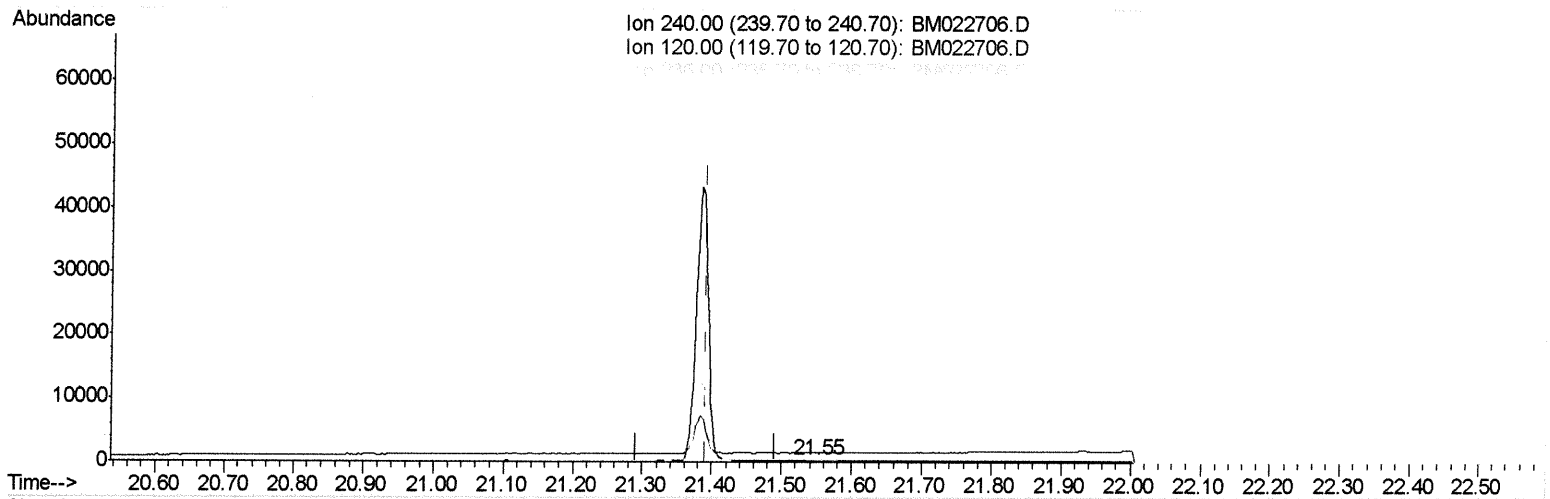
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 H0BM5

Manual Integrations
APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:25:45 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)

21.551min (+0.160) 0.40ng/ul

response 95

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	719.47#
236.00	28.80	161.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

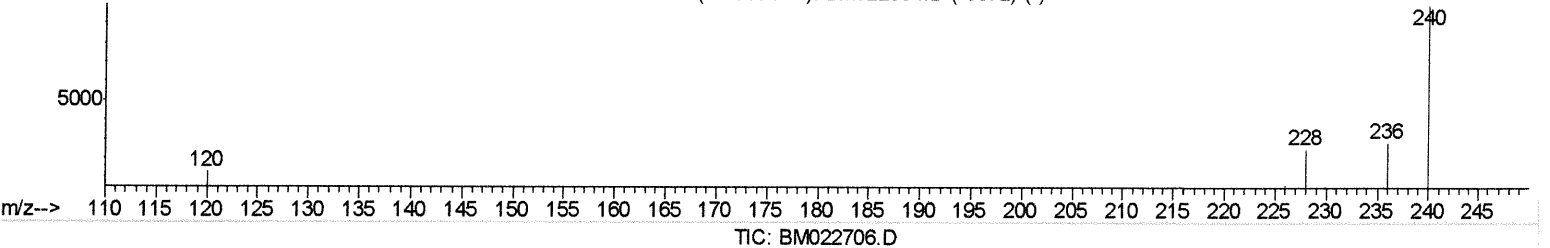
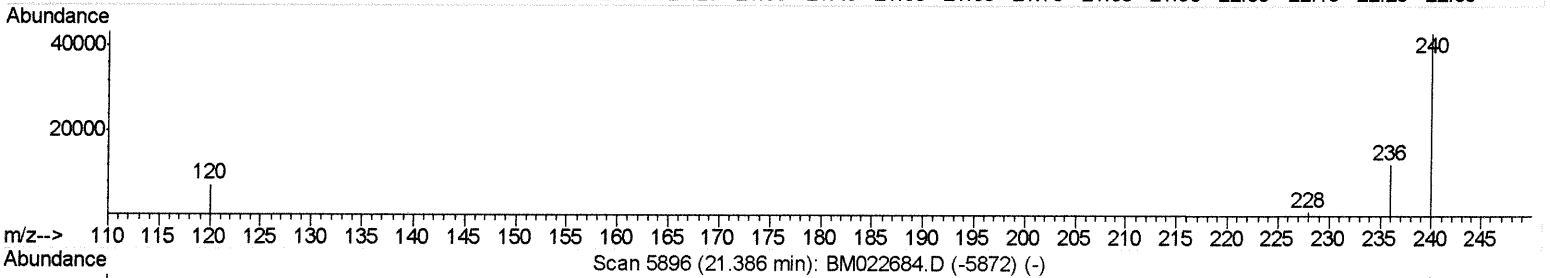
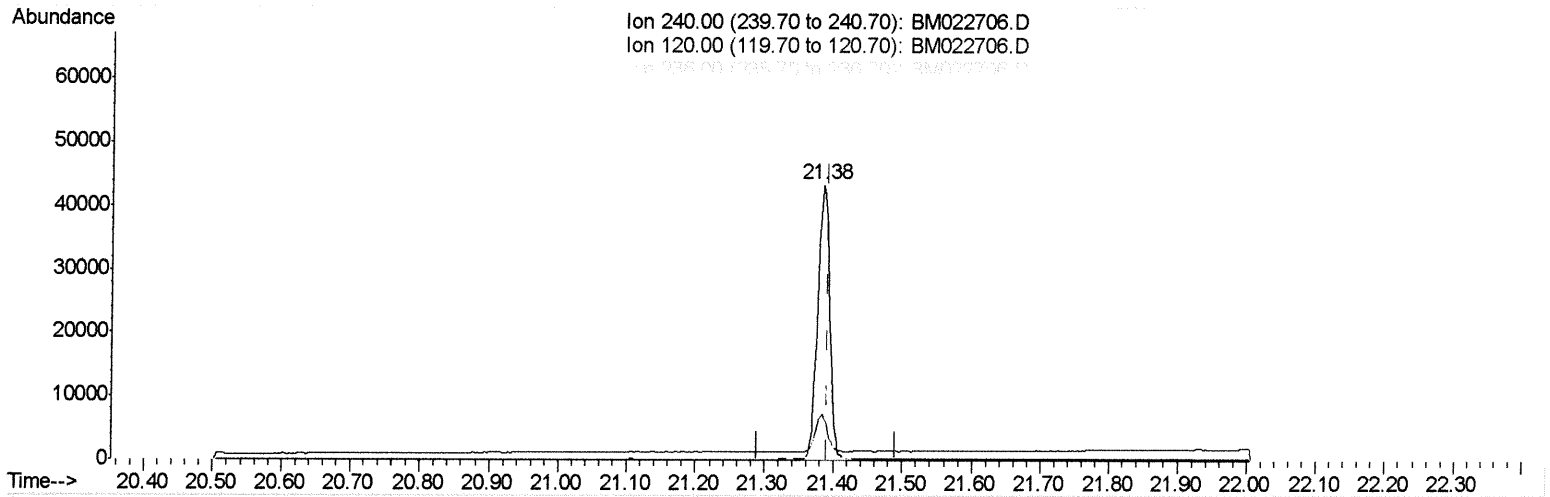
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:25:45 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)

21.384min (-0.007) 0.40ng/ul m JU 09/24/19

response 52775

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	16.61
236.00	28.80	28.71
0.00	0.00	0.00

Quantitation Report (Qedit)

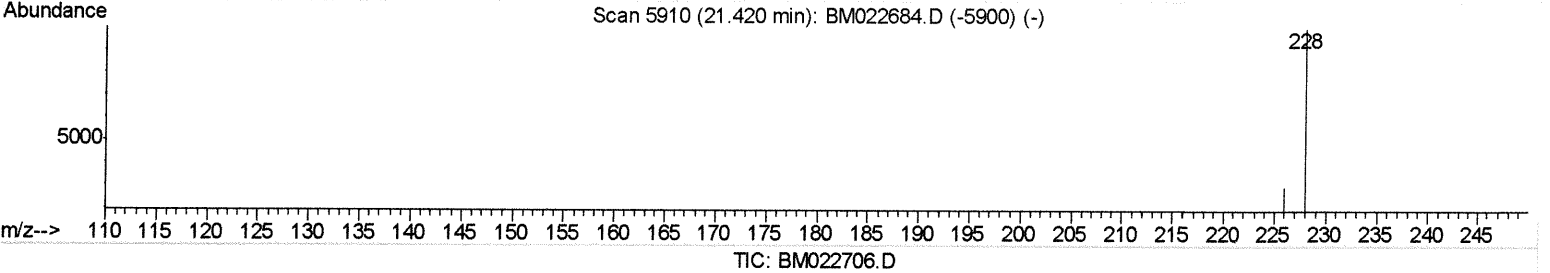
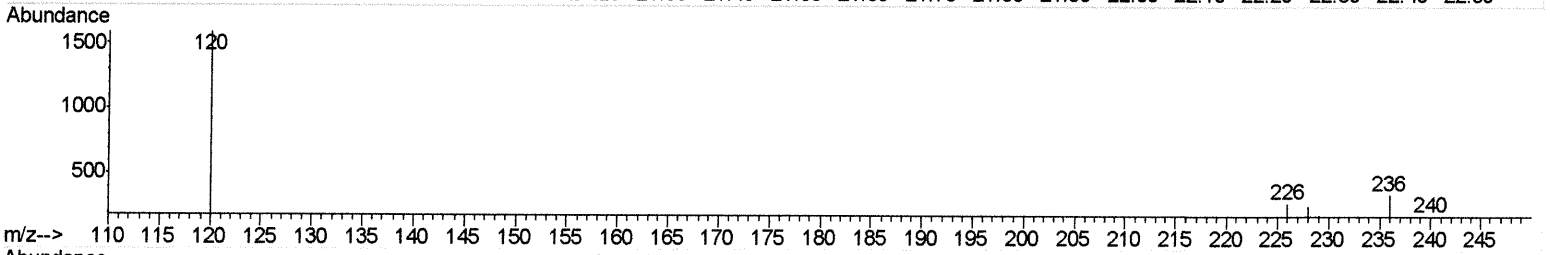
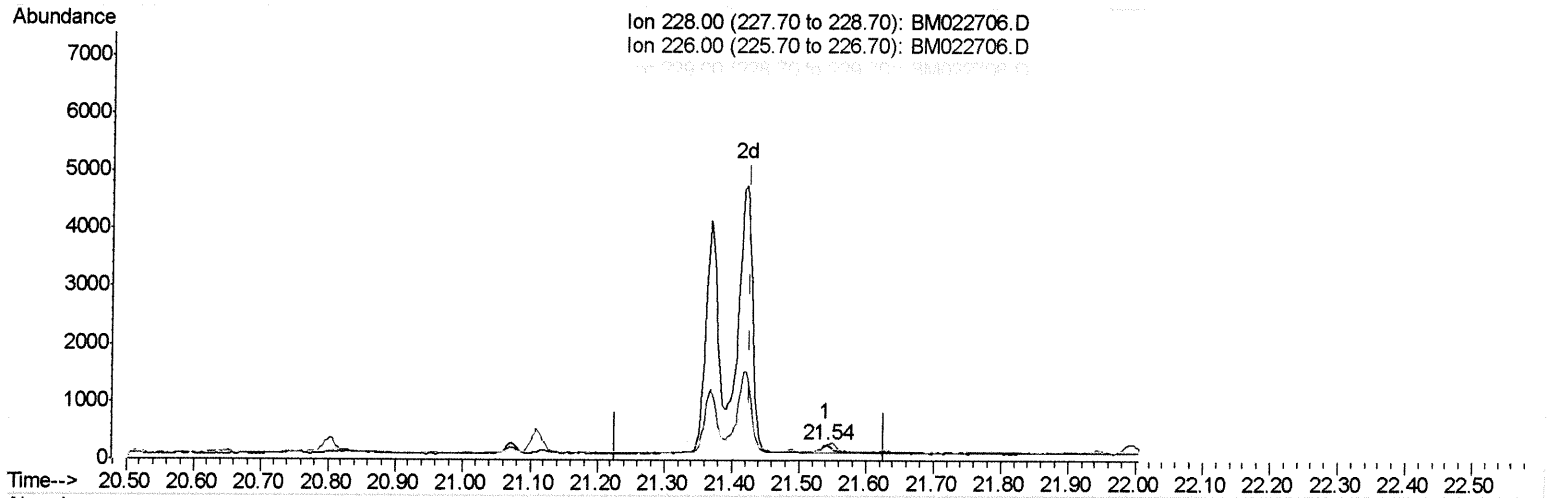
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:26:40 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

21.541min (+0.114) 0.00ng/ul

response 216

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	107.22#
229.00	19.40	74.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

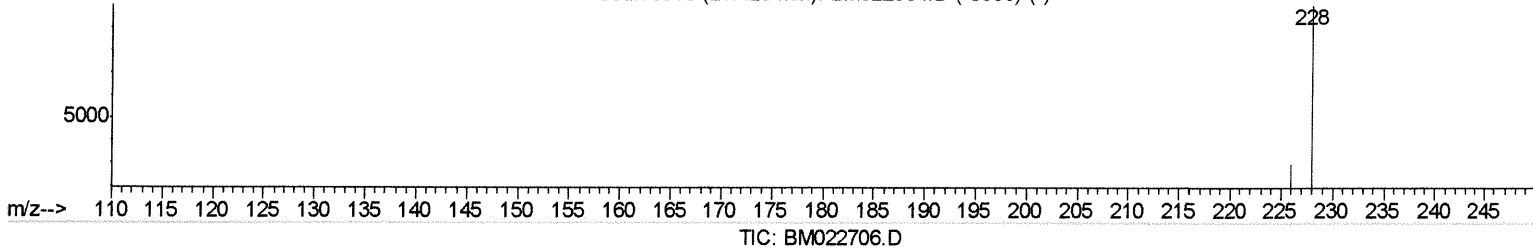
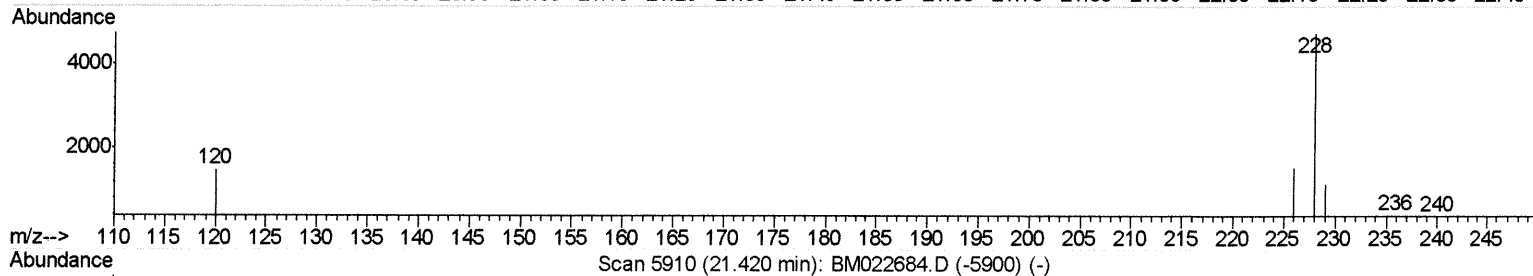
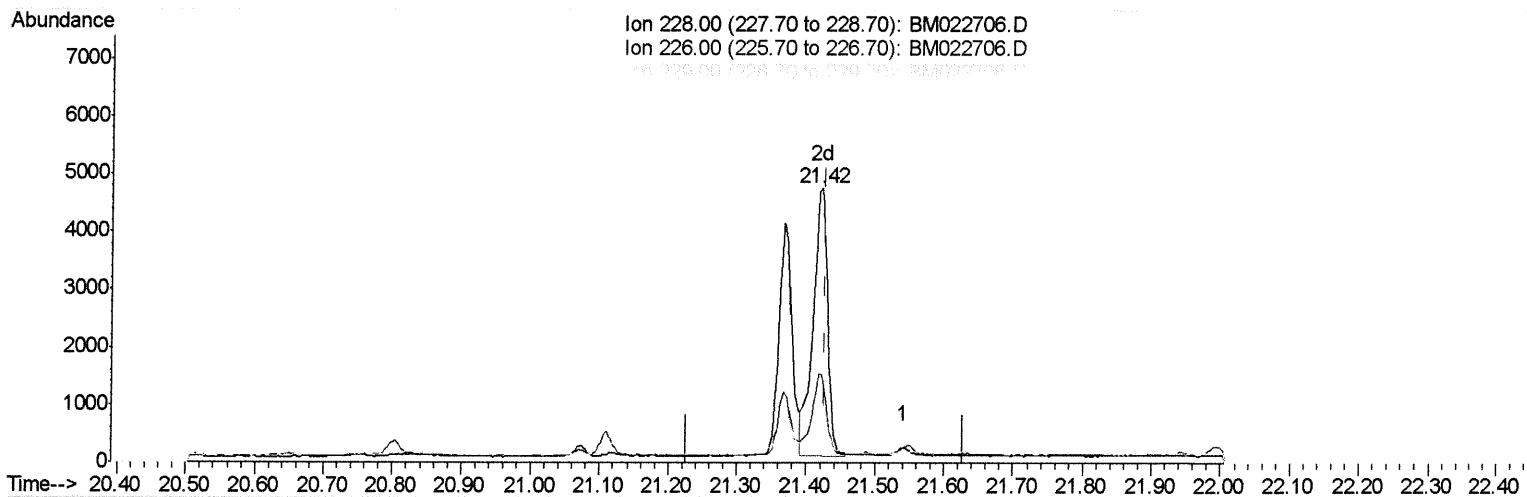
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:26:40 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

21.420min (-0.007) 0.03ng/ul m JU 09/26/19

response 6708

Ion	Exp%	Act%
228.00	100	100
226.00	29.80	32.19
229.00	19.40	23.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

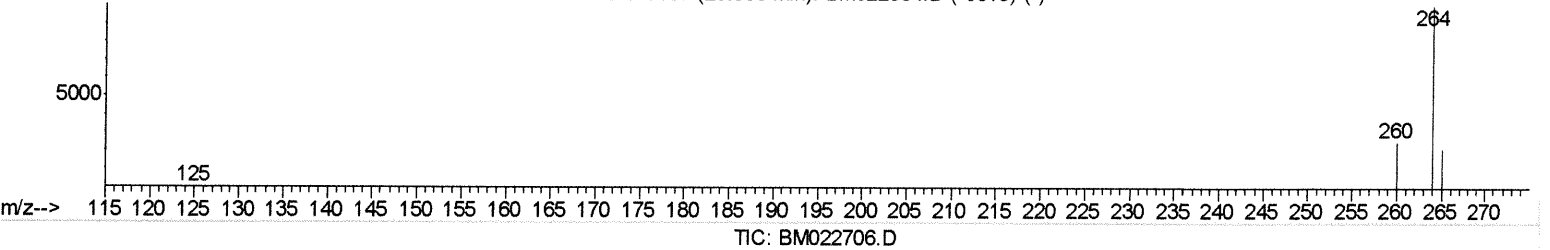
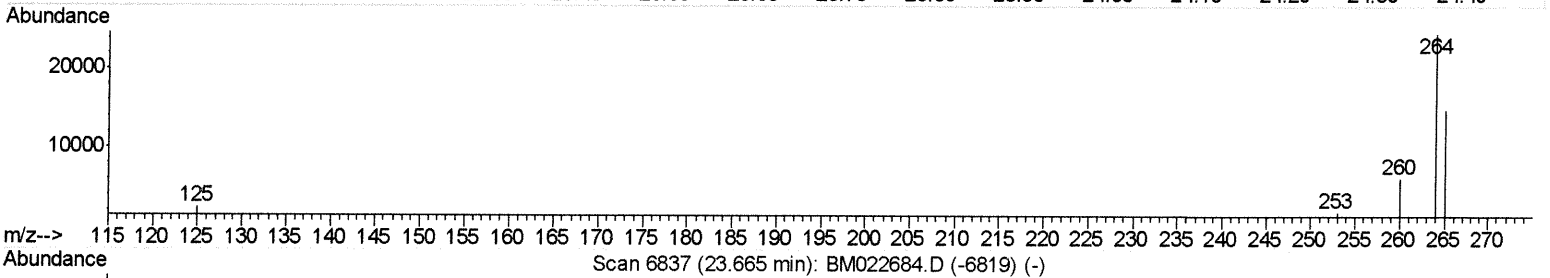
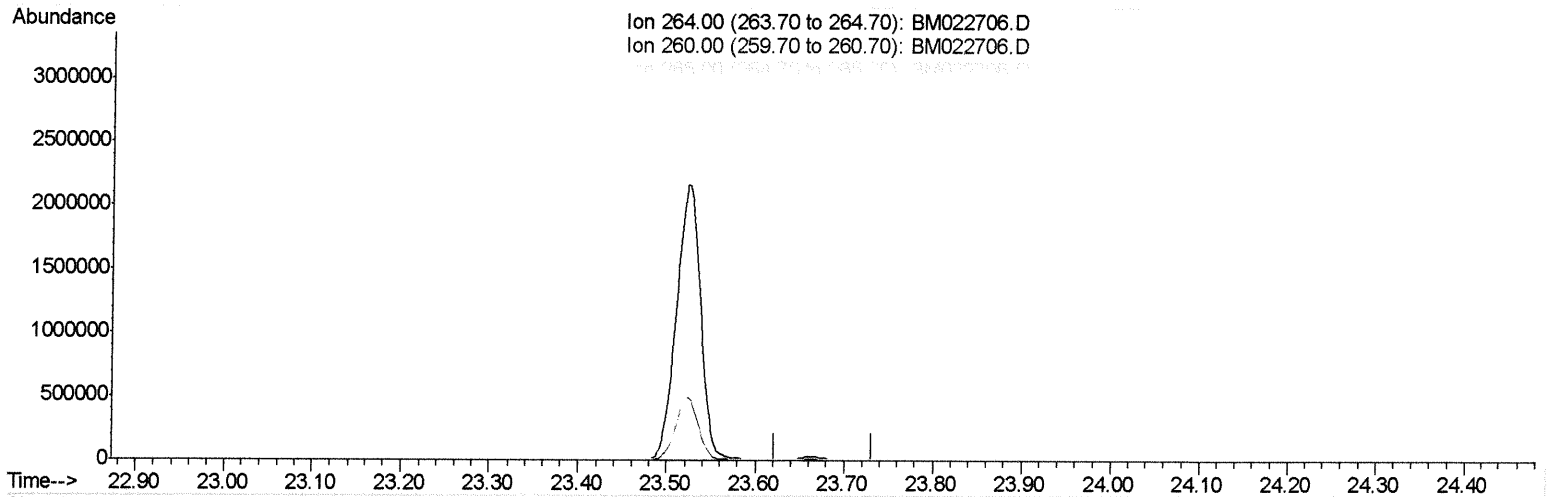
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:26:40 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



(20) Perylene-d12 (I)
 23.673min (-23.673) 0.00ng/ul
 response 0

Ion	Exp%	Act%
264.00	100	0.00
260.00	25.60	0.00#
265.00	59.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

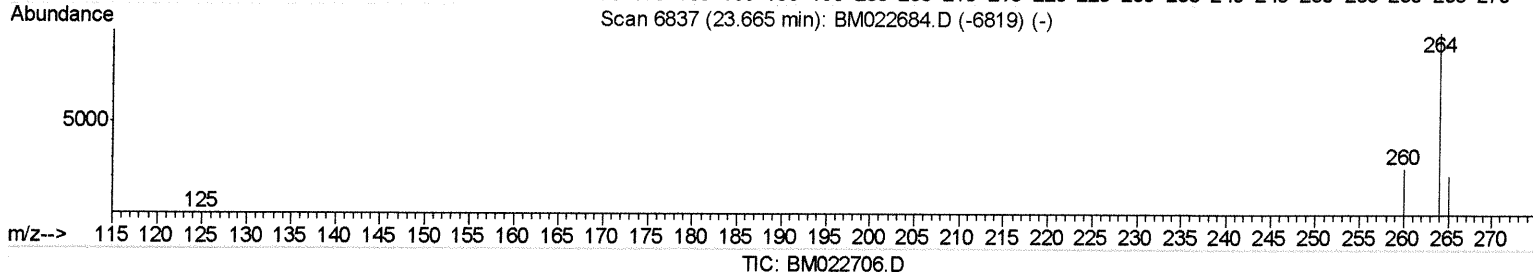
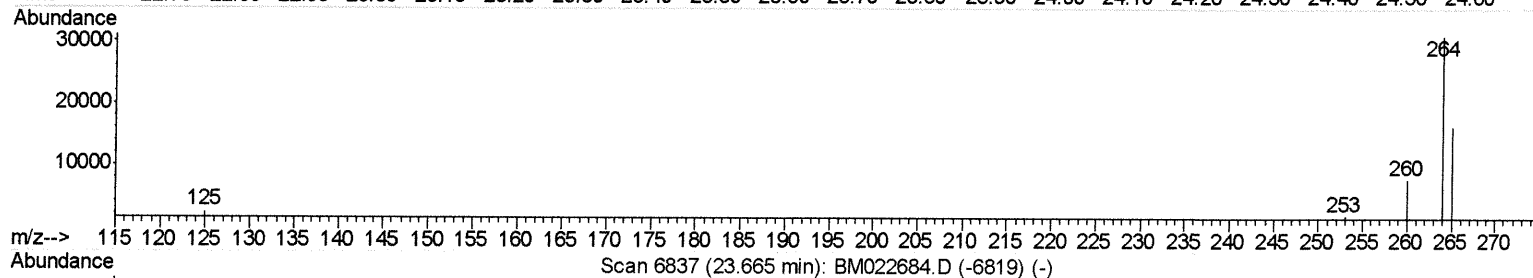
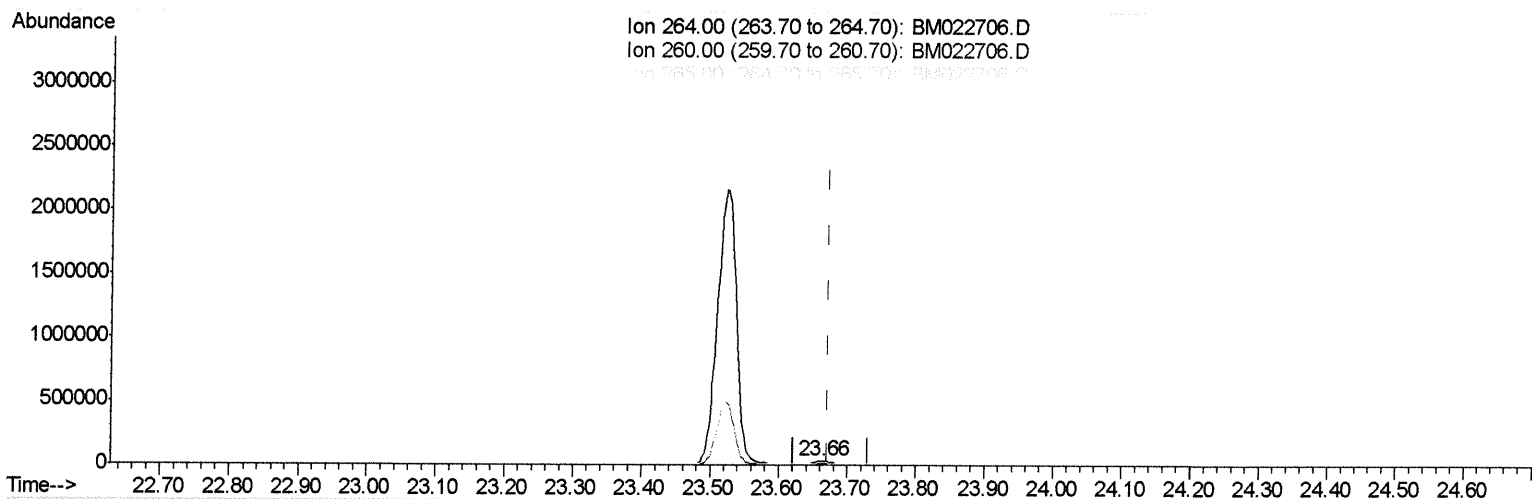
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:26:40 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



(20) Perylene-d12 (I)

23.663min (-0.010) 0.40ng/ul m JU 09/24/19

response 48167

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.73
265.00	59.90	52.51
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
 Data File : BM022706.D
 Acq On : 17 Sep 2019 14:43
 Operator : HP/JU
 Sample : K4780-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0BM5

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:44:30 PM

Quant Time: Sep 17 18:27:58 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	7.84	152	9899	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	41943	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	25696	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	54588m	0.40	ng/ul	0.00
16) Chrysene-d12	21.38	240	52775m	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	48167m	0.40	ng/ul	0.00

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System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.22	152	17871	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.23	212	45895m	0.31	ng/ul	0.00

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Target Compounds

					Qvalue	
11) Pentachlorophenol	16.86	266	498m	0.045	ng/ul	
12) Phenanthrene	17.25	178	4240m	0.024	ng/ul	
15) Fluoranthene	19.26	202	7790m	0.042	ng/ul	
17) Pyrene	19.62	202	8650	0.036	ng/ul#	79
18) Benzo(a)anthracene	21.37	228	5252	0.026	ng/ul	95
19) Chrysene	21.42	228	6708m	0.032	ng/ul	
21) Benzo(b)fluoranthene	22.98	252	11479	0.055	ng/ul#	3
23) Benzo(a)pyrene	23.57	252	5838	0.032	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.98	276	5320	0.024	ng/ul#	93
26) Benzo(g,h,i)perylene	26.68	276	4958	0.028	ng/ul#	74

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