

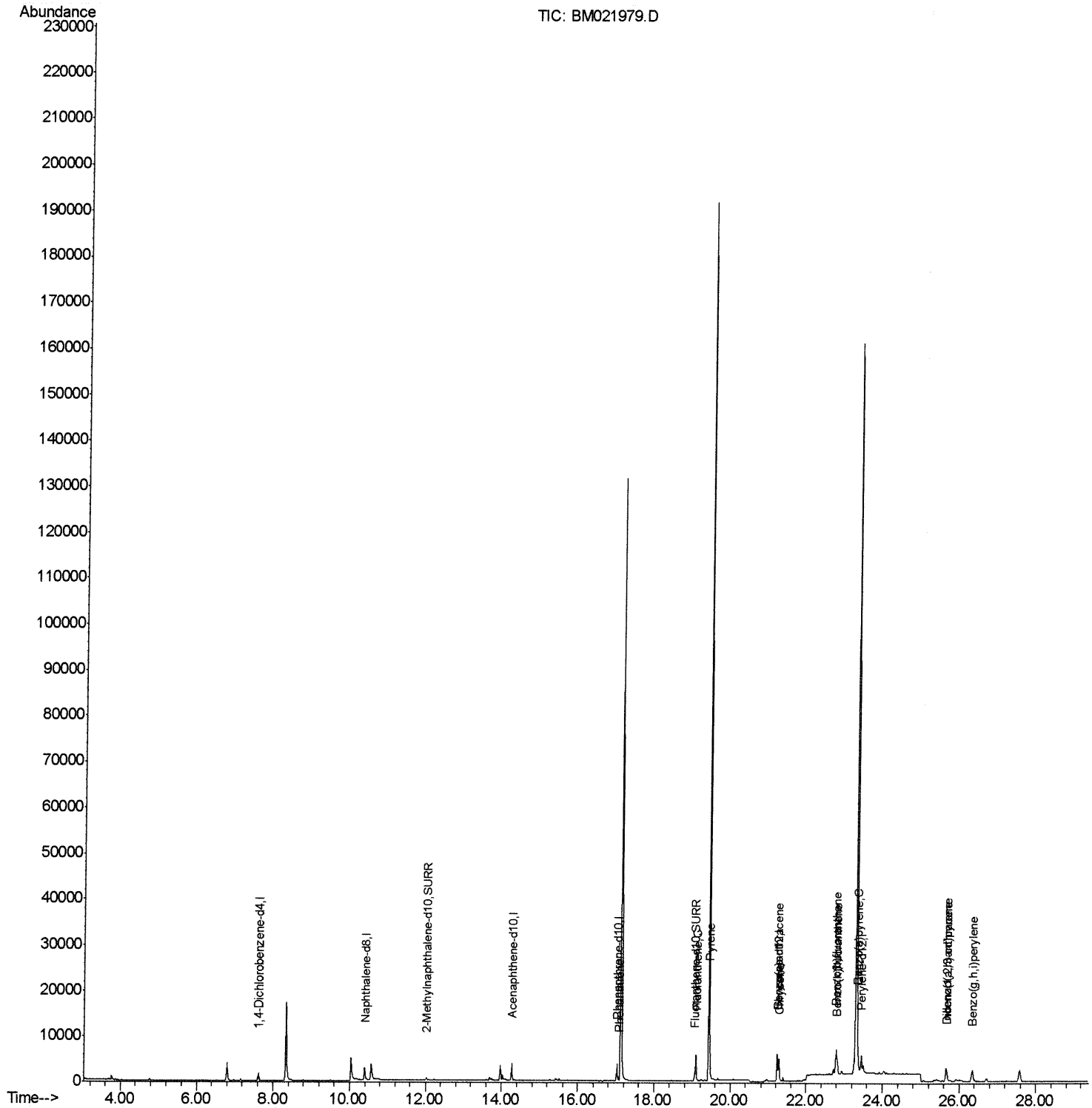
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021979.D
Acq On : 09 Aug 2019 21:03
Operator : HP/JU
Sample : K4116-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLD4

Manual Integrations
APPROVED

Sohil
8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:05:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

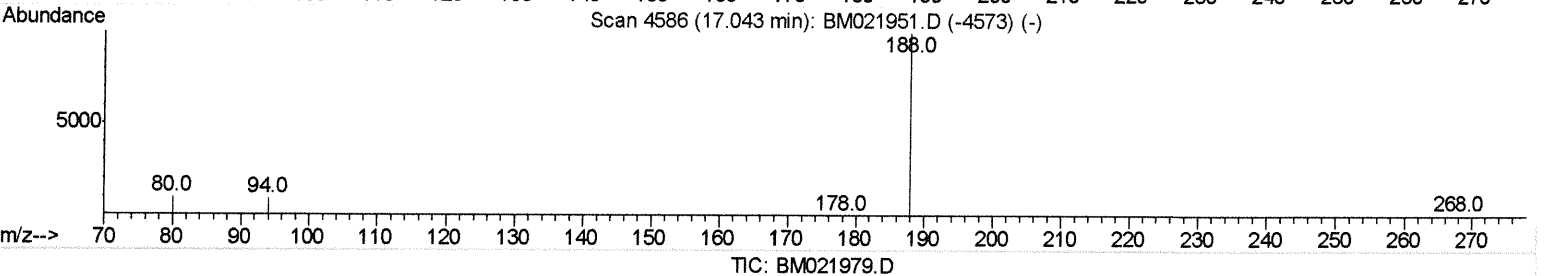
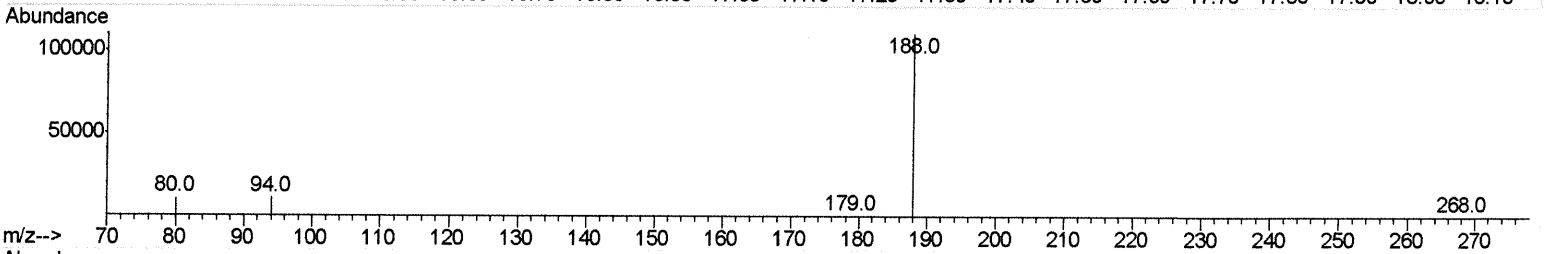
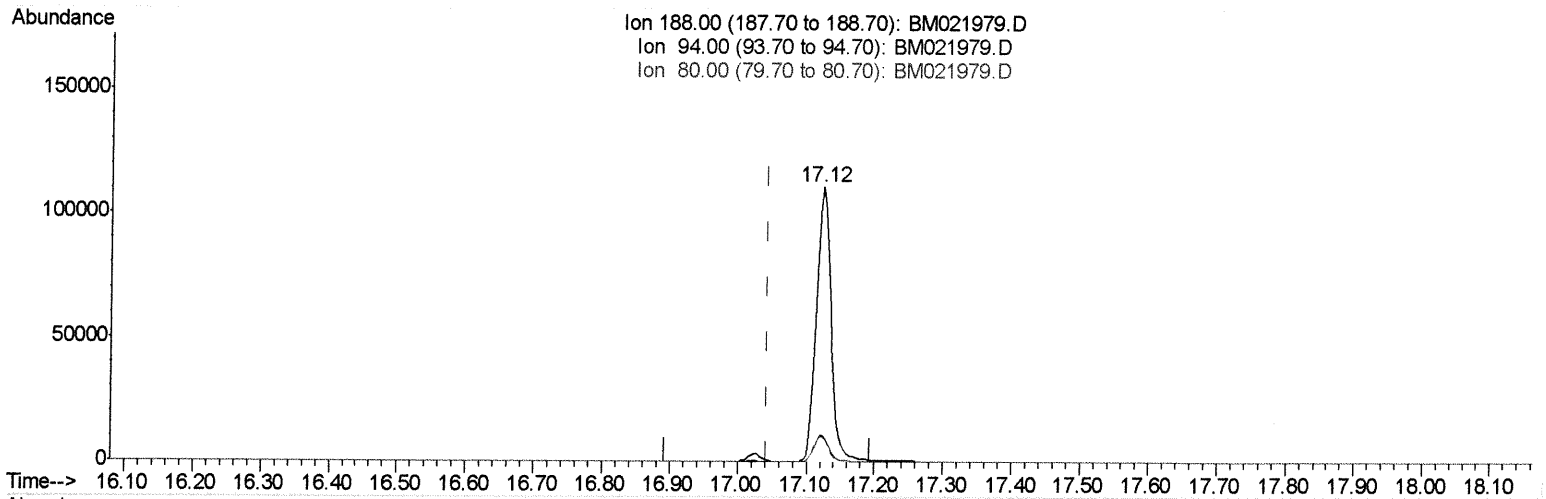
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 05:23:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.122min (+0.078) 0.40ng/ul

response 161425

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.61
80.00	11.40	9.15
0.00	0.00	0.00

Quantitation Report (Qedit)

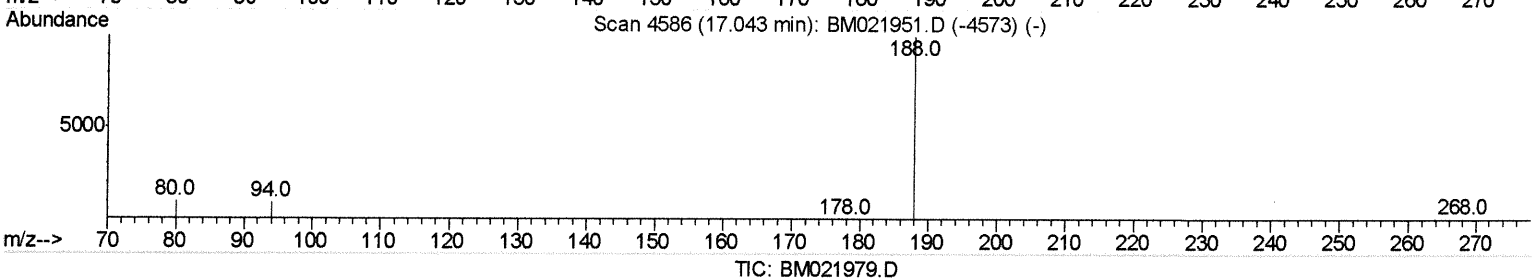
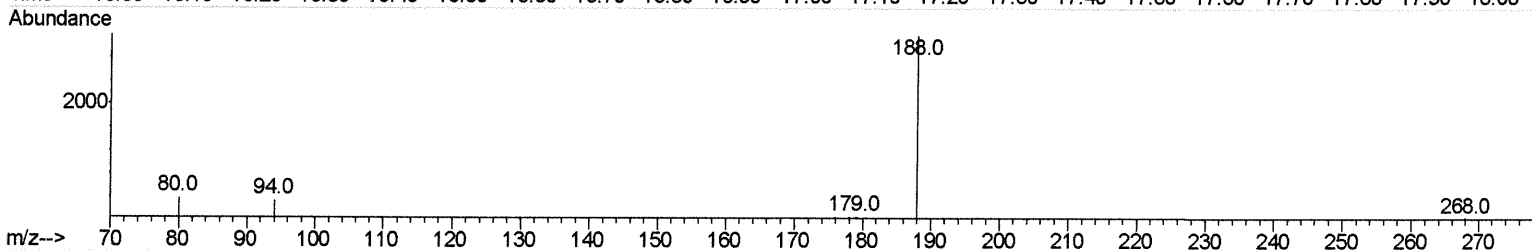
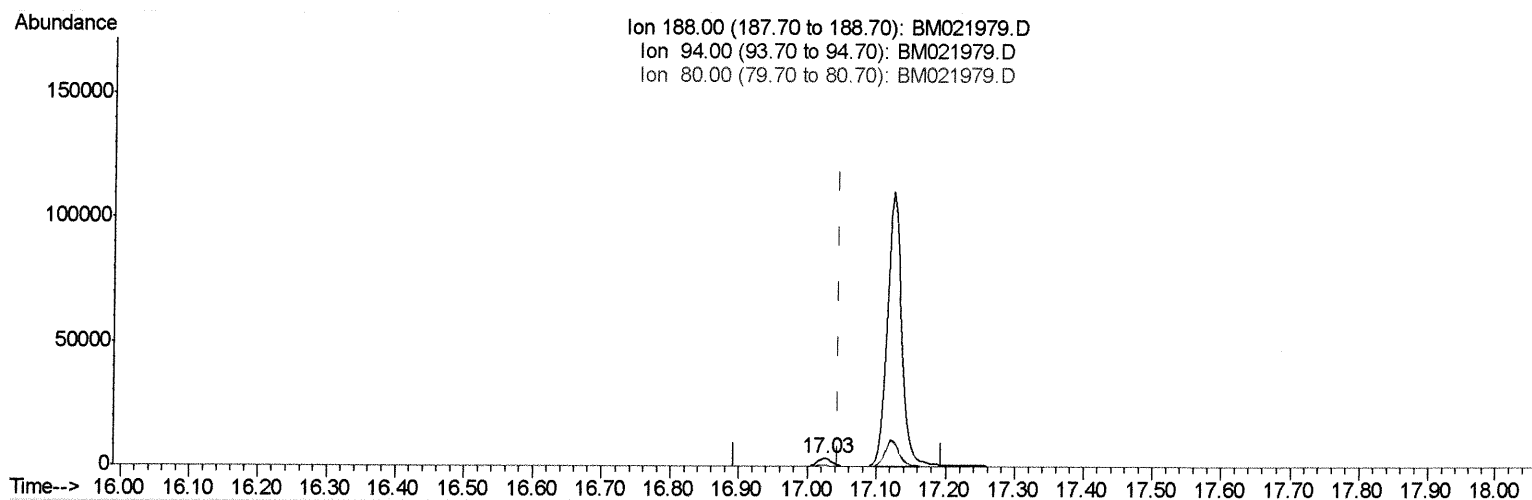
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 05:23:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



TIC: BM021979.D

(10) Phenanthrene-d10 (I)

17.025min (-0.019) 0.40ng/ul m *JU 08/12/19*

response 4531

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.63
80.00	11.40	11.79
0.00	0.00	0.00

Quantitation Report (Qedit)

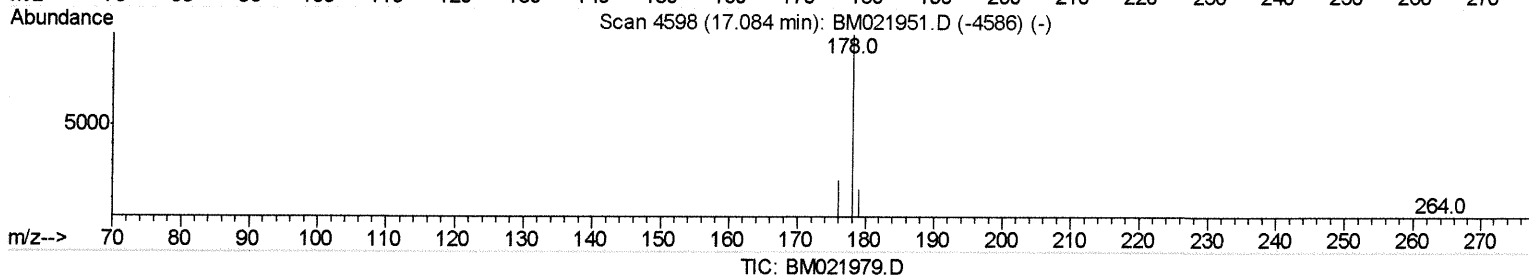
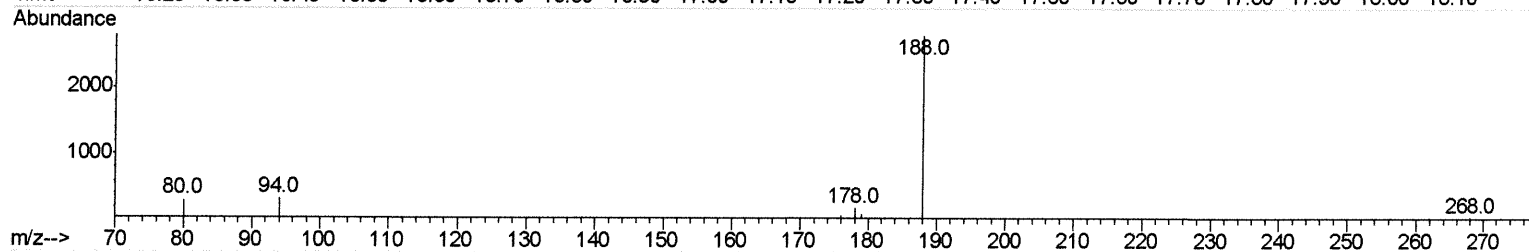
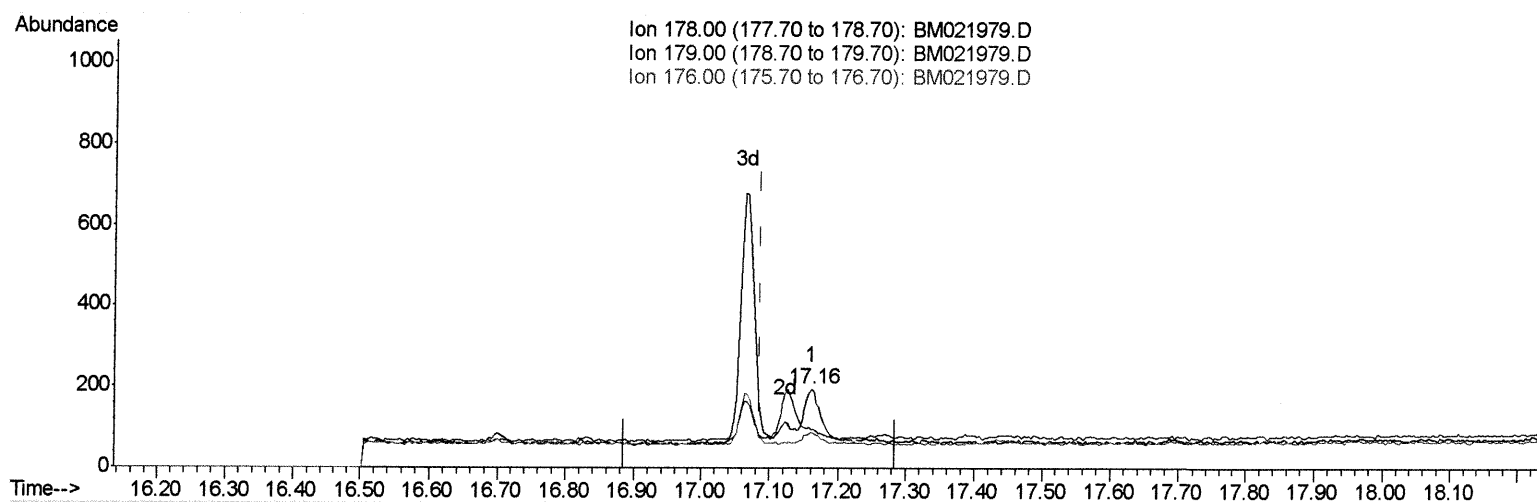
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021979.D
Acq On : 09 Aug 2019 21:03
Operator : HP/JU
Sample : K4116-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLD4

Manual Integrations
APPROVED

Sohil
8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(12) Phenanthrene

17.161min (+0.075) 0.02ng/ui

response 224

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	49.23#
176.00	21.00	46.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

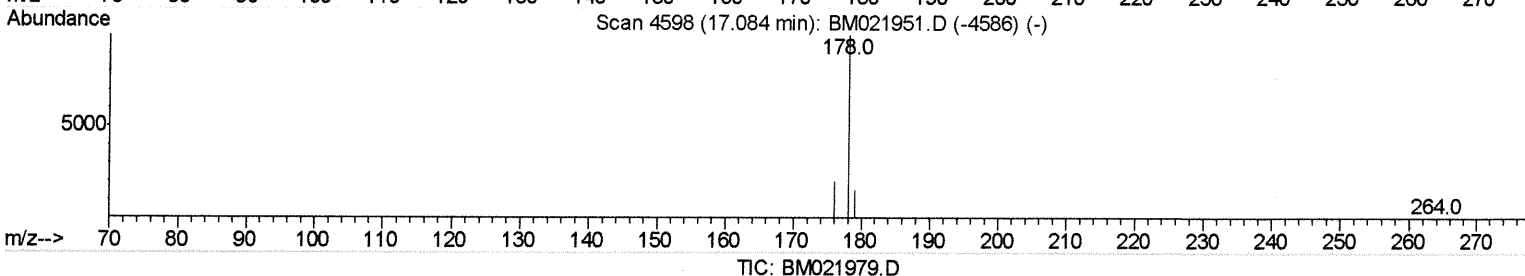
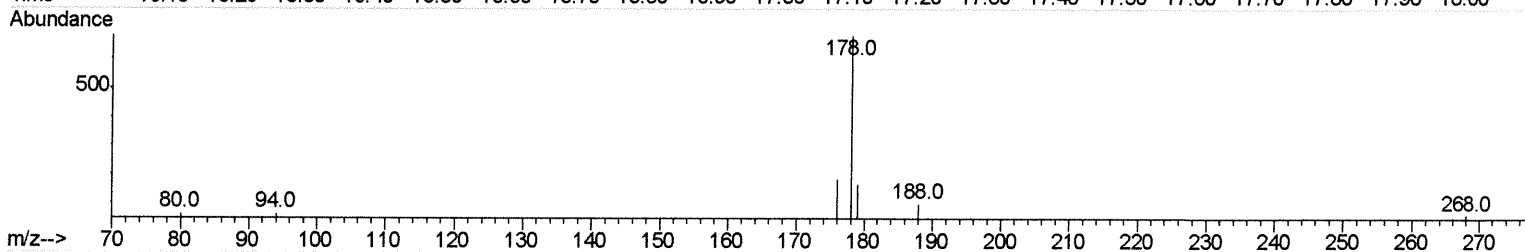
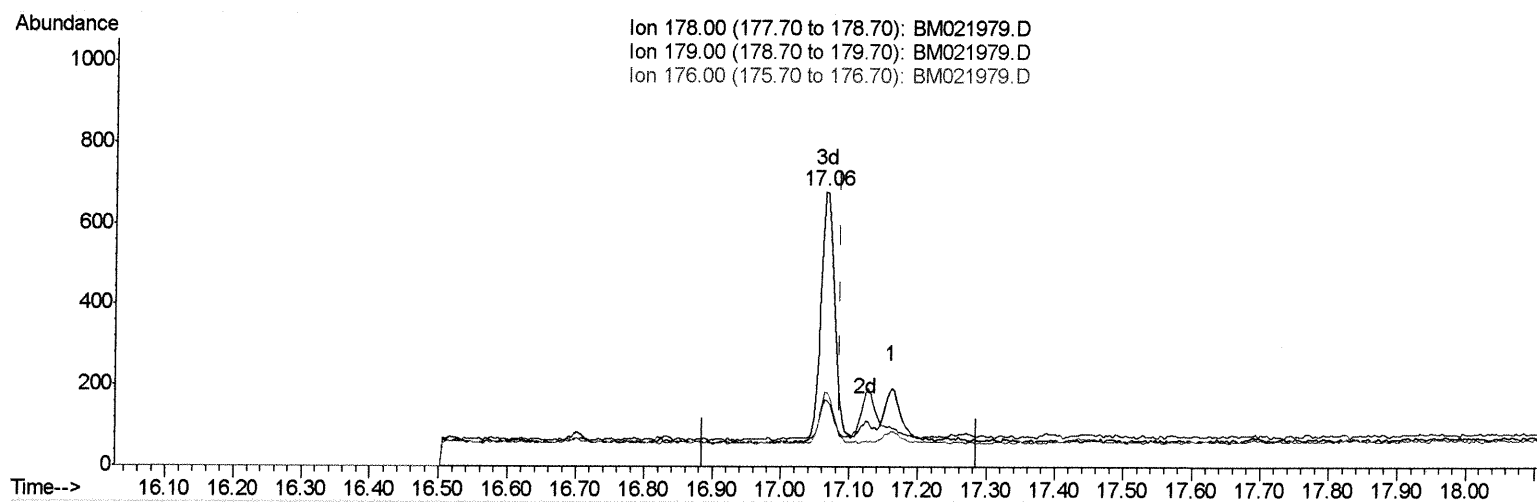
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021979.D
Acq On : 09 Aug 2019 21:03
Operator : HP/JU
Sample : K4116-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLD4

Manual Integrations
APPROVED

Sohil
8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(12) Phenanthrene

17.063min (-0.022) 0.07ng/ul m *Ju* 08/12/19

response 866

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	24.45#
176.00	21.00	27.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

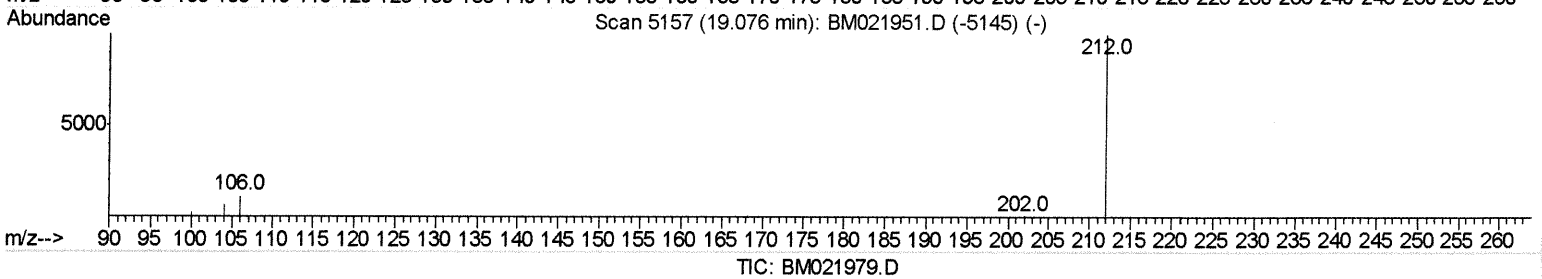
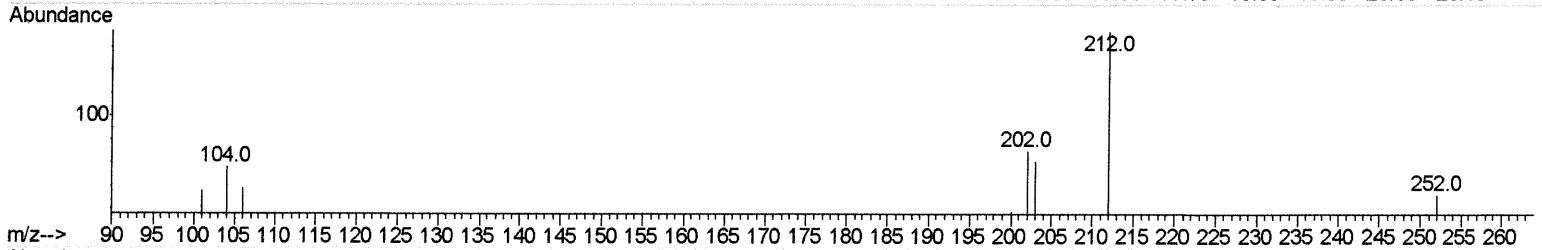
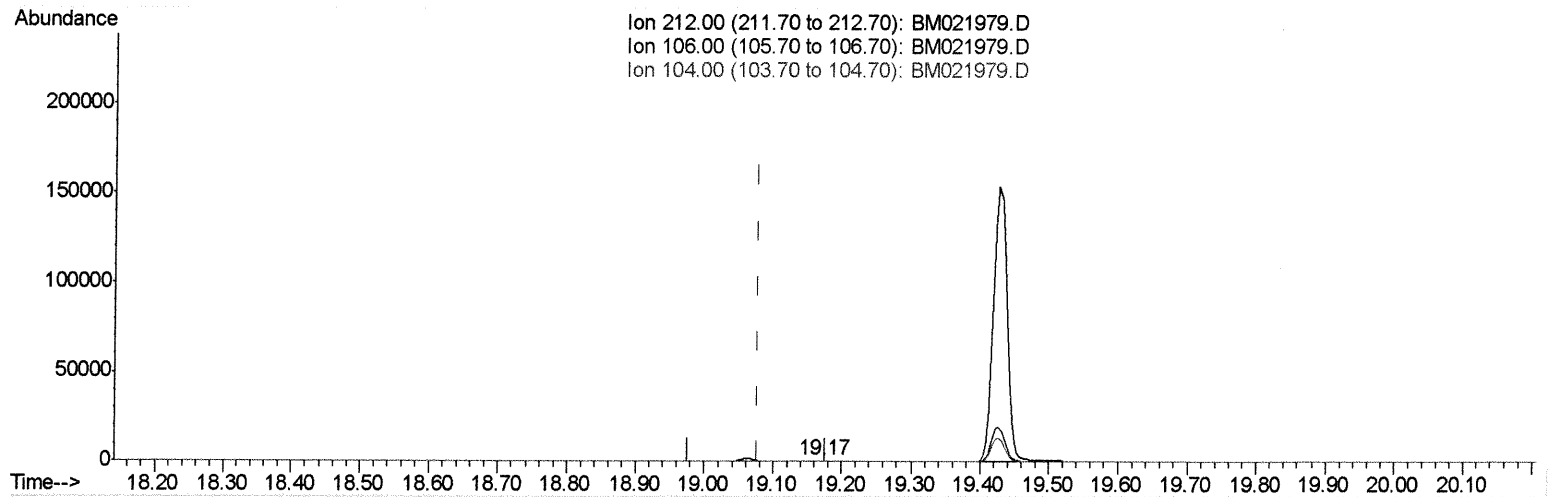
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.171min (+0.094) 0.01ng/ul

response 98

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	13.27#
104.00	6.00	8.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

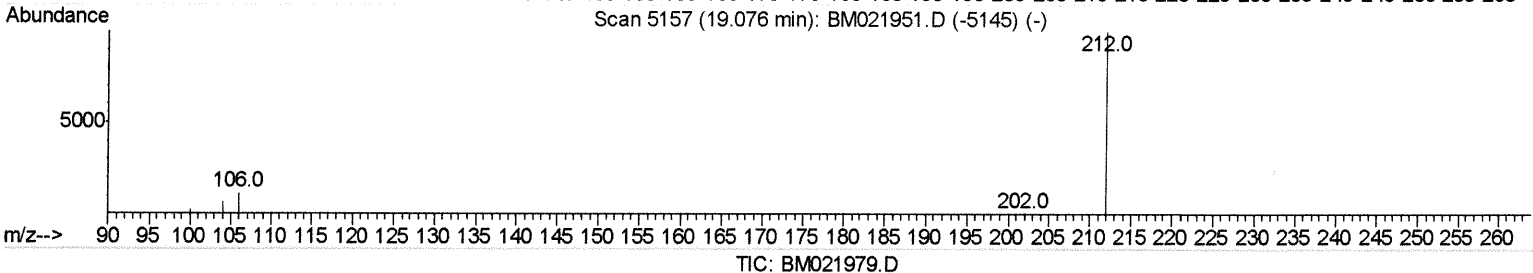
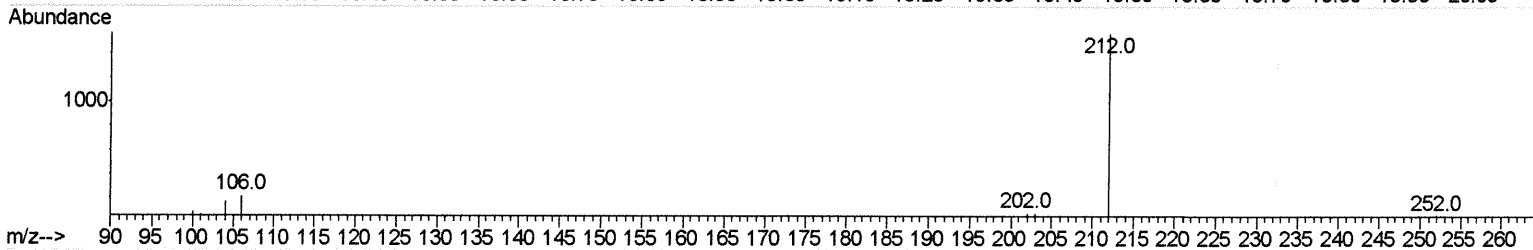
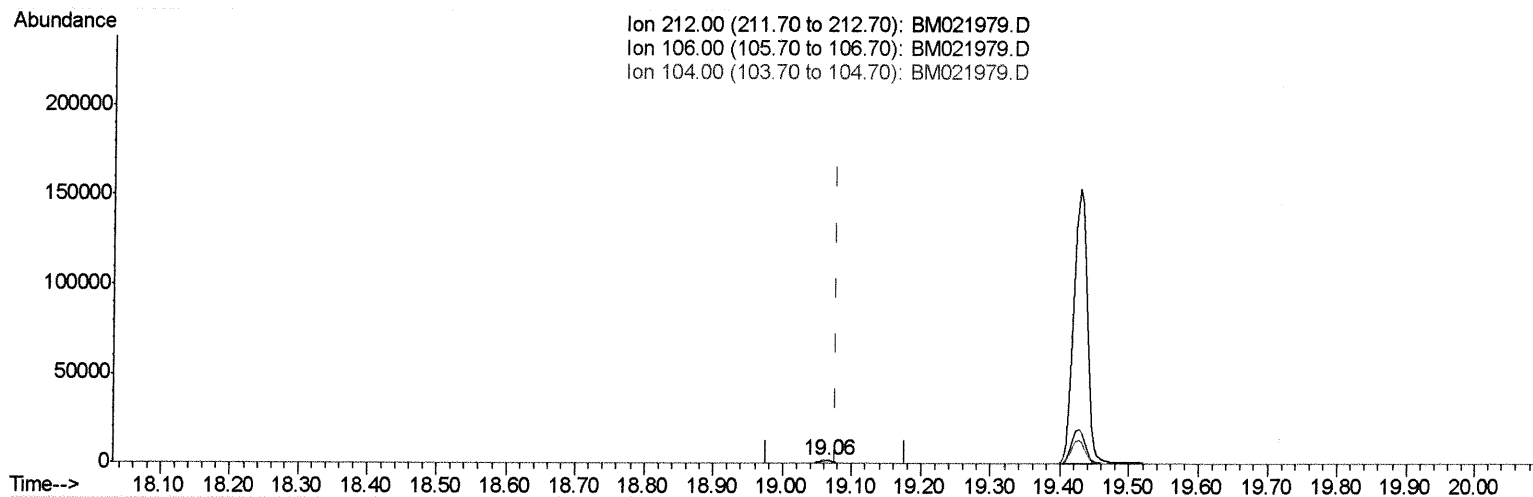
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.064min (-0.013) 0.14ng/ul m

SU
08/12/19

response 2146

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.61#
104.00	6.00	0.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

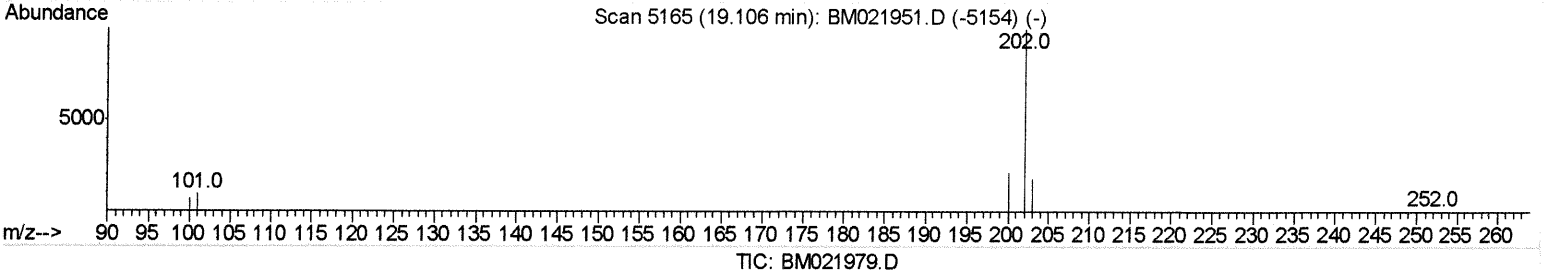
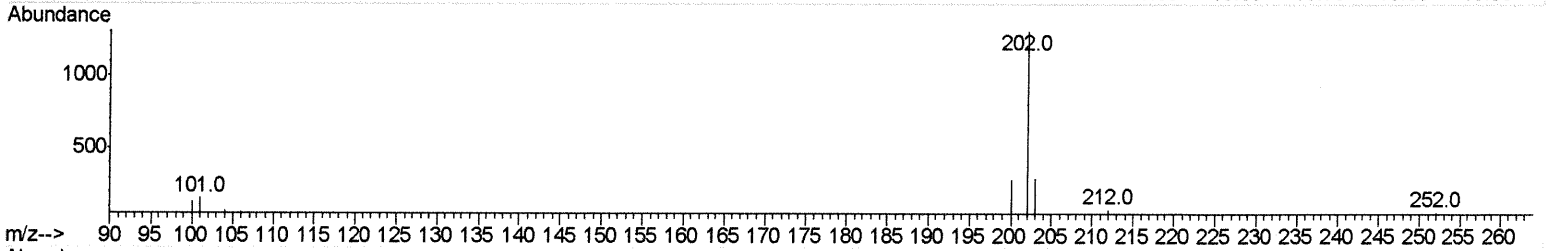
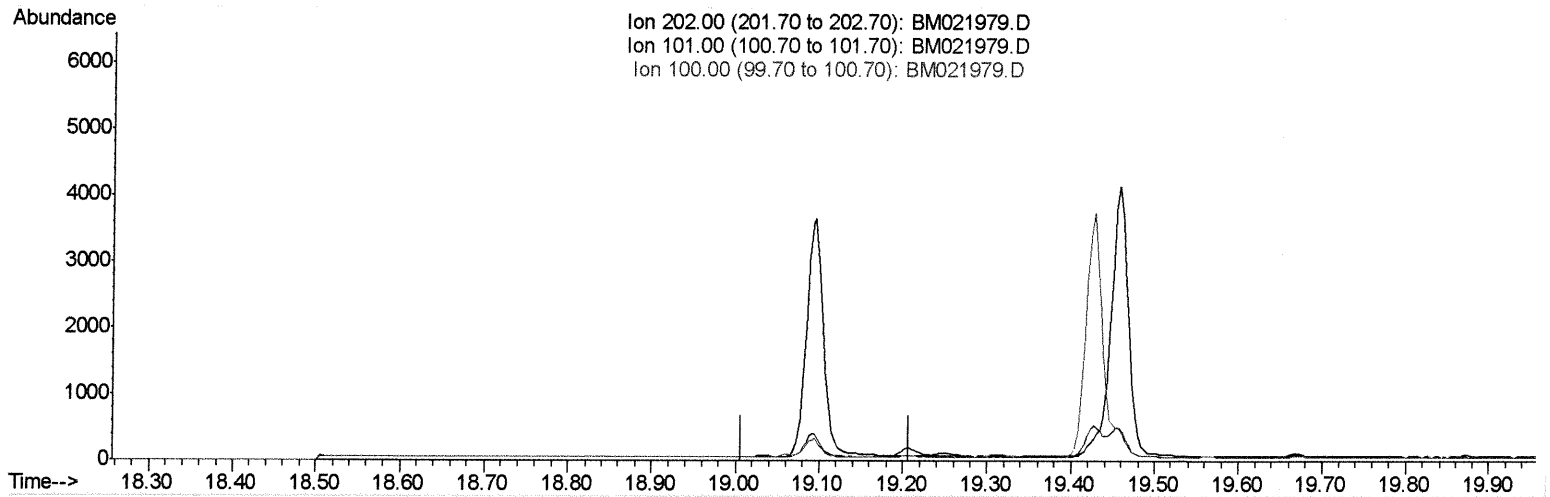
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.108min (-19.108) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.20	0.00
100.00	8.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

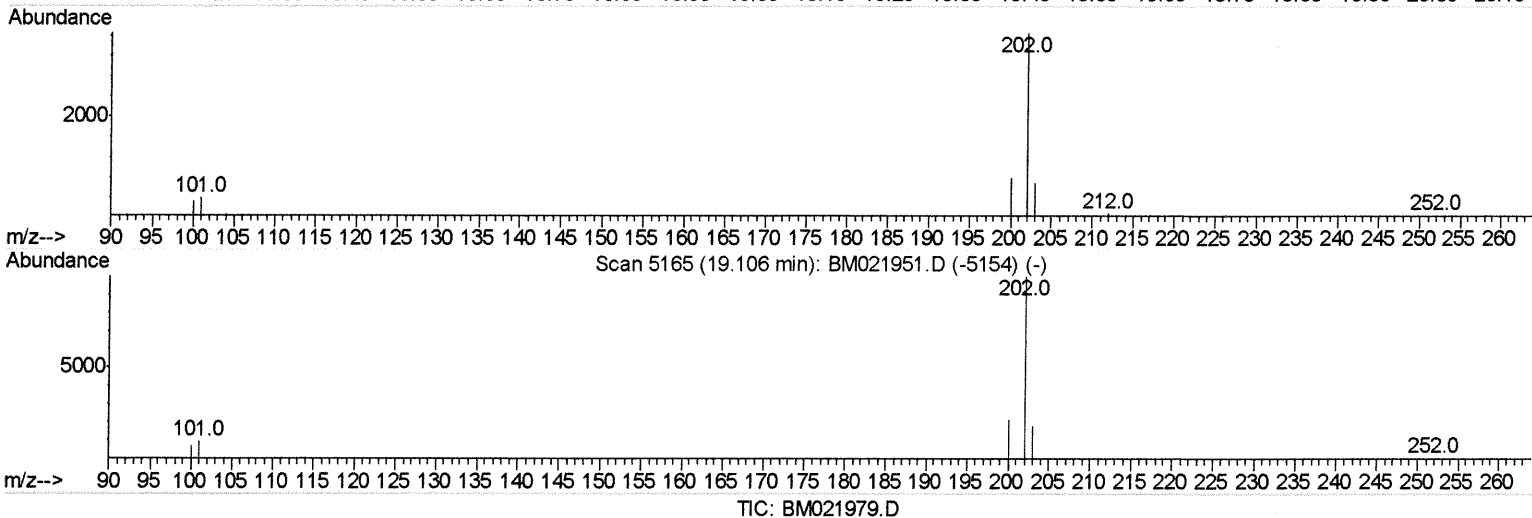
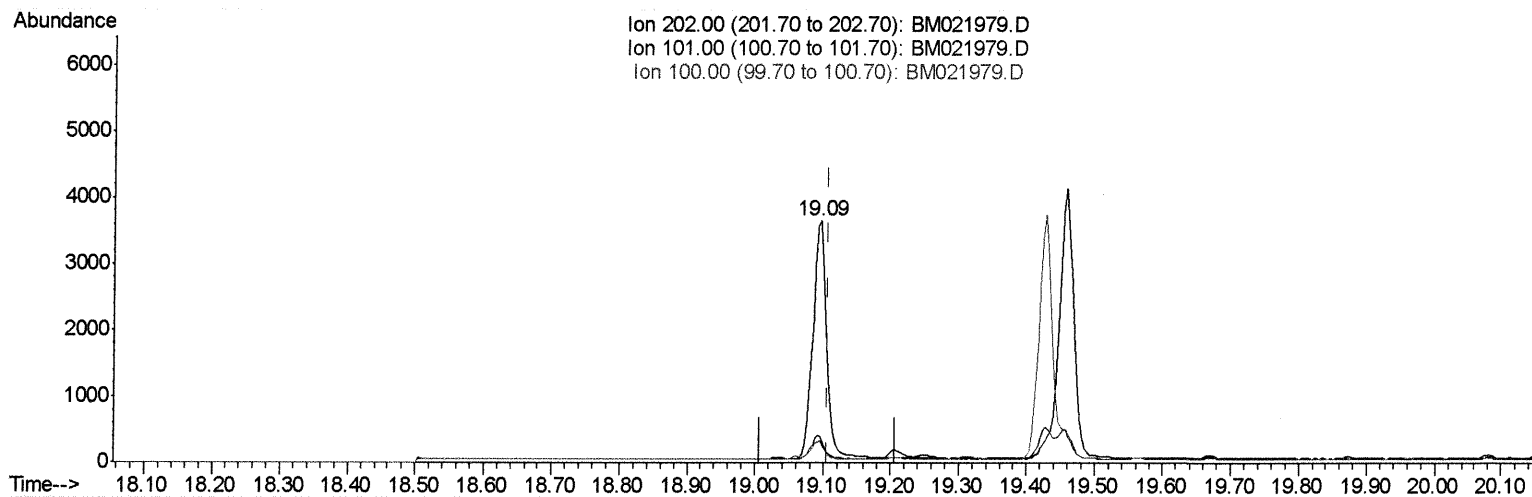
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.095min (-0.013) 0.29ng/ul m *JU 08/12/19*

response 5130

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	10.97
100.00	8.10	9.10
0.00	0.00	0.00

Quantitation Report (Qedit)

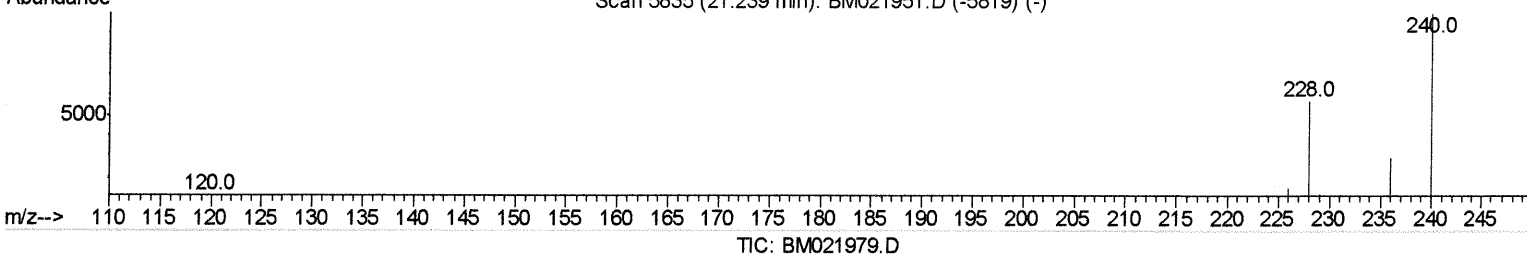
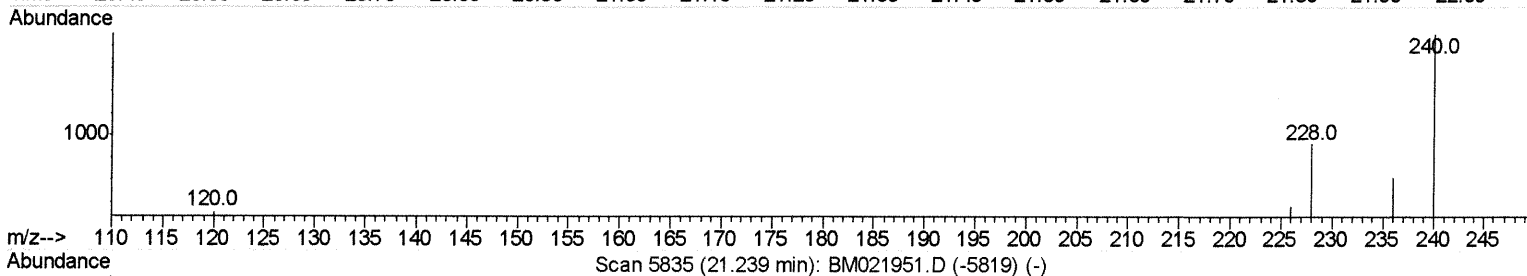
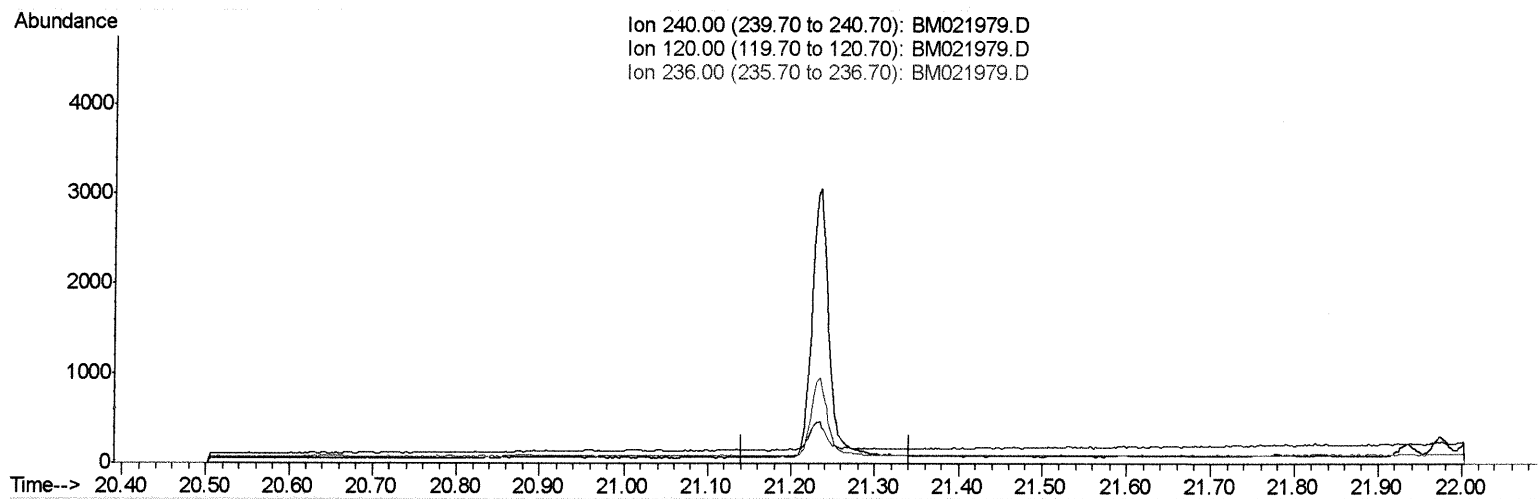
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.241min (-21.241) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

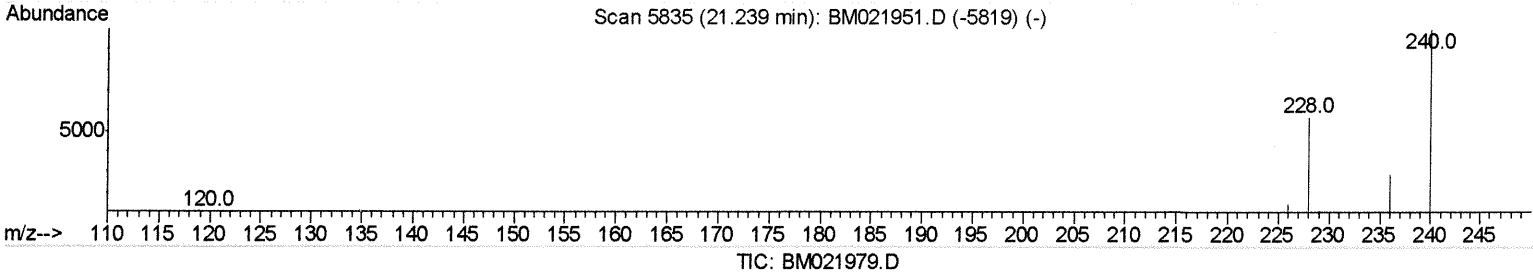
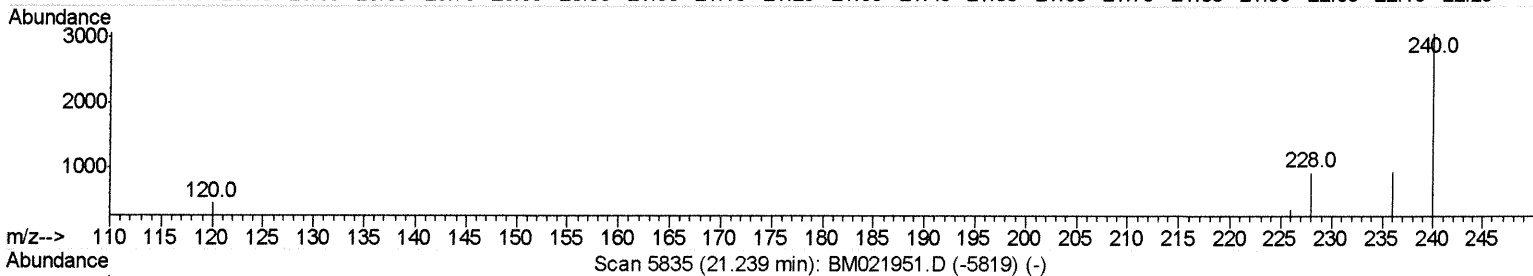
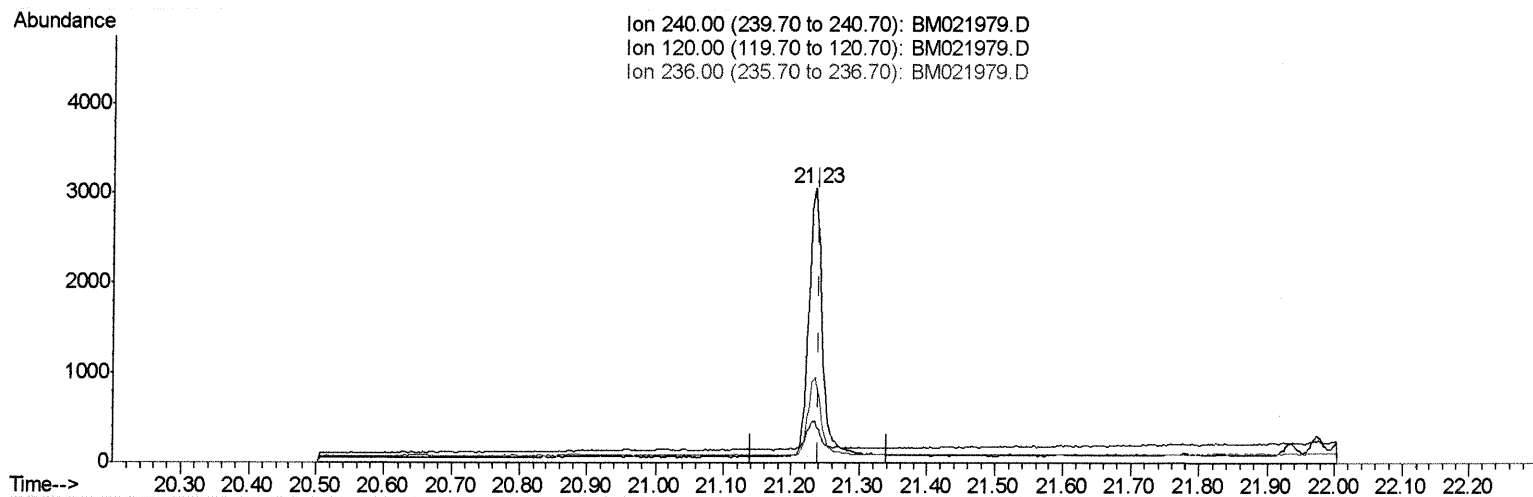
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:01:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.234min (-0.007) 0.40ng/ul m

JU
08/12/19

response 4249

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.35
236.00	32.30	31.30
0.00	0.00	0.00

Quantitation Report (Qedit)

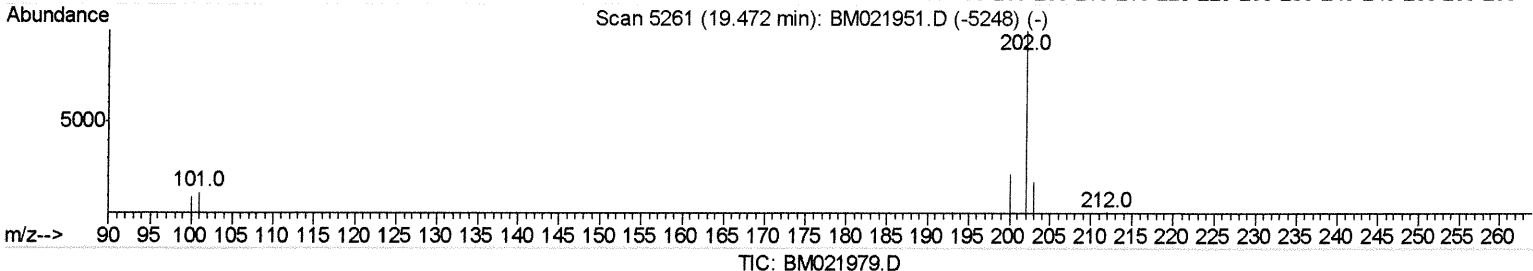
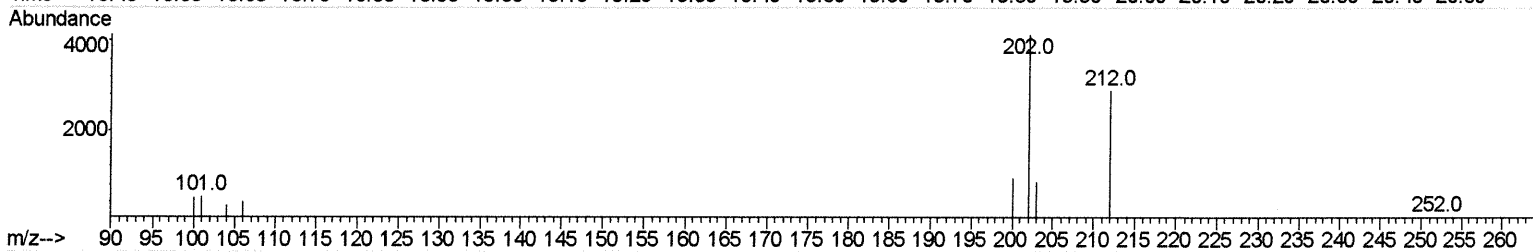
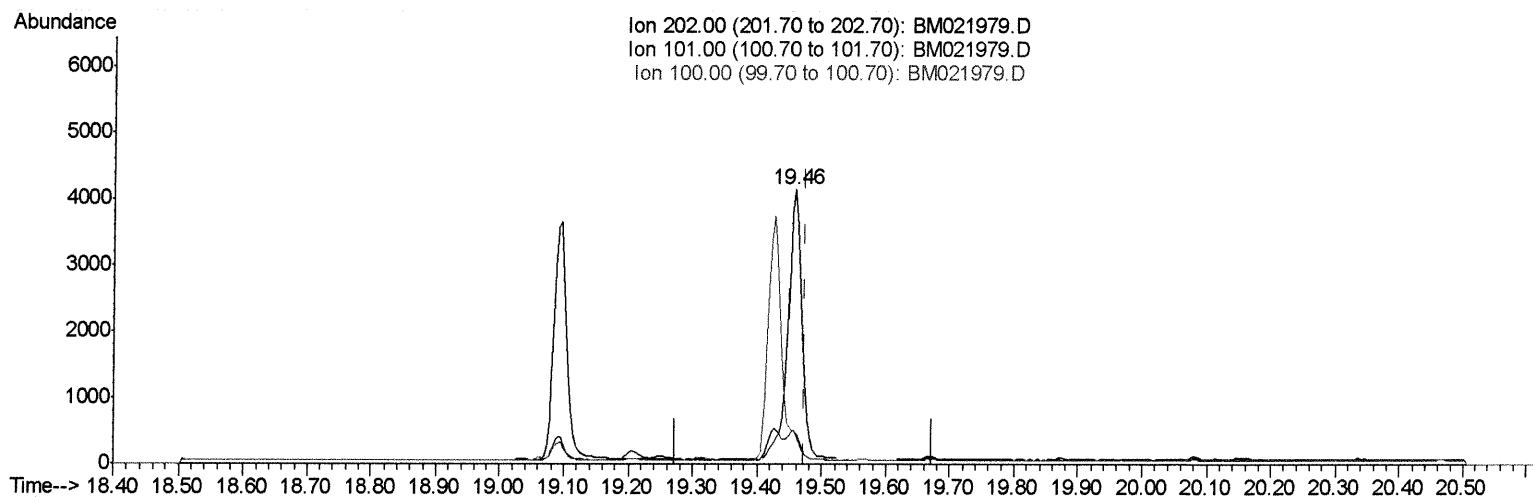
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



TIC: BM021979.D

(17) Pyrene

19.457min (-0.017) 0.35ng/ul

response 6108

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	12.40
100.00	9.00	11.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

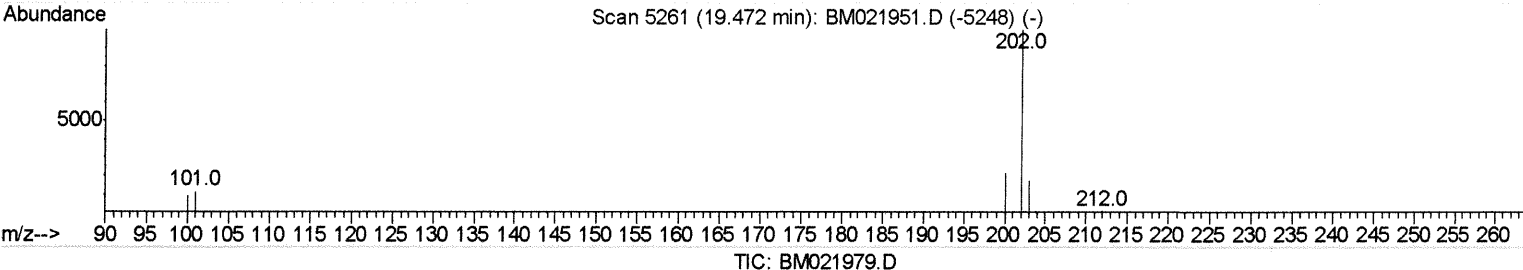
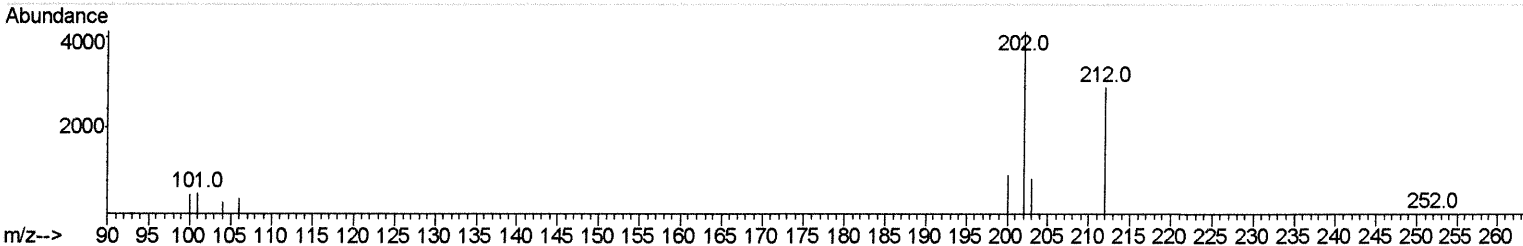
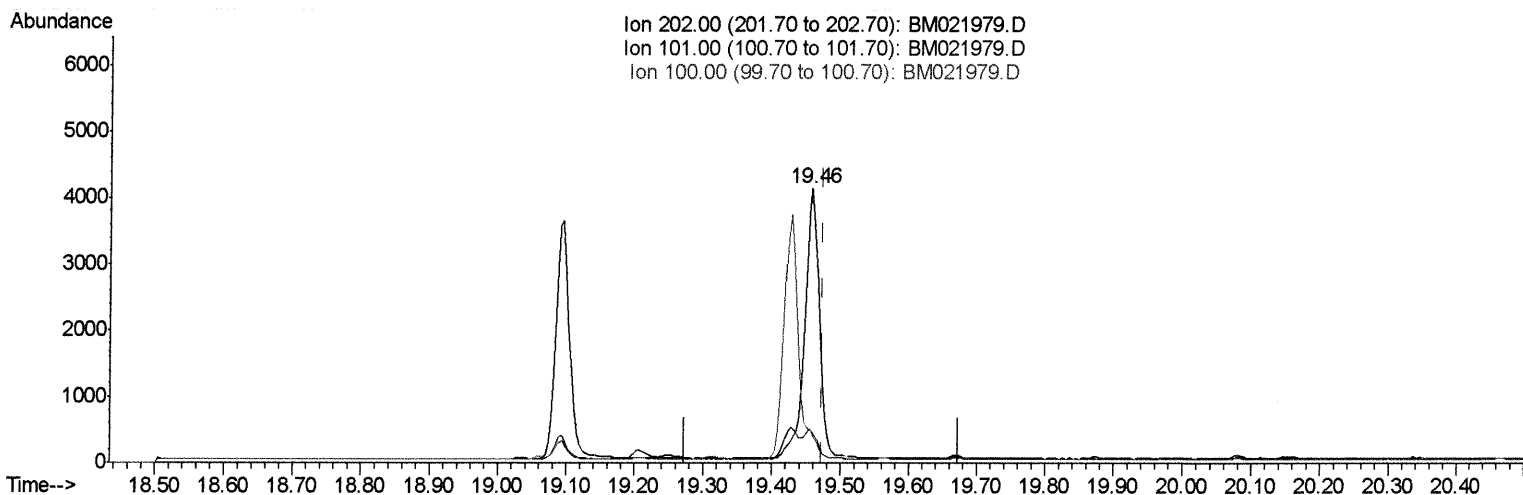
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(17) Pyrene

19.457min (-0.017) 0.32ng/ul m *JU 08/21/19*

response 5599

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	12.40
100.00	9.00	11.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

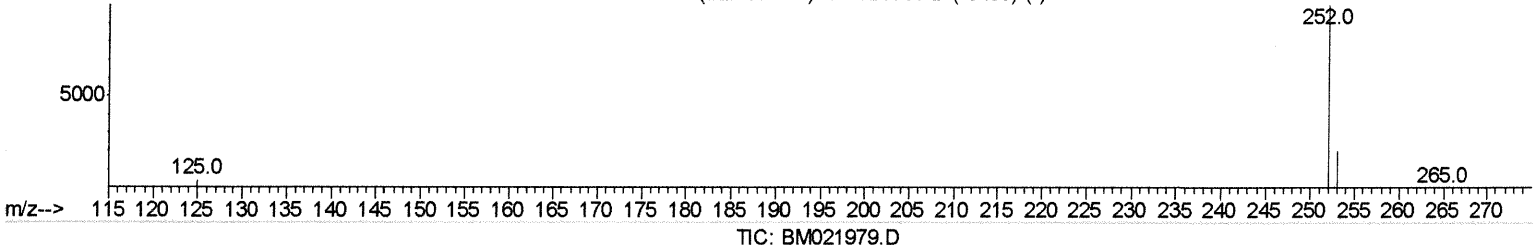
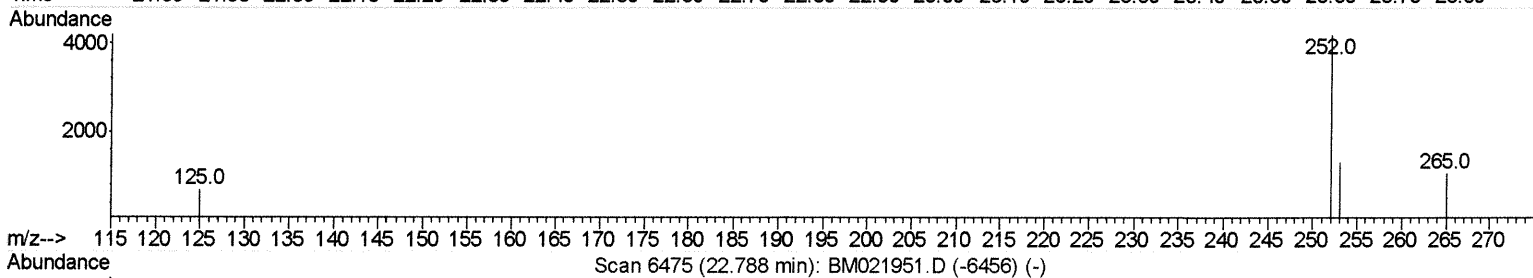
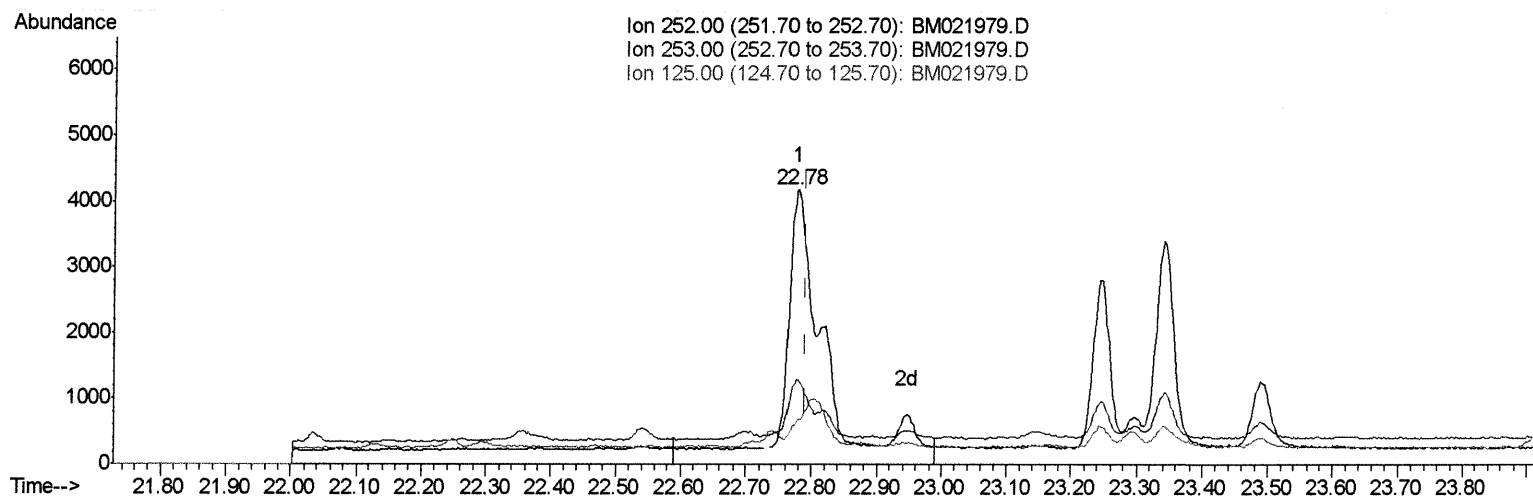
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021979.D
Acq On : 09 Aug 2019 21:03
Operator : HP/JU
Sample : K4116-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLD4

Manual Integrations
APPROVED

Sohil
8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.779min (-0.012) 0.52ng/ul

response 11371

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.13
125.00	15.50	16.42
0.00	0.00	0.00

Quantitation Report (Qedit)

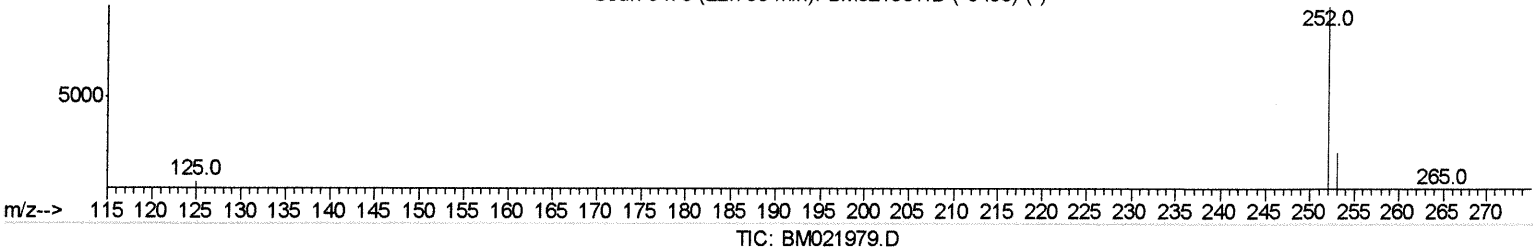
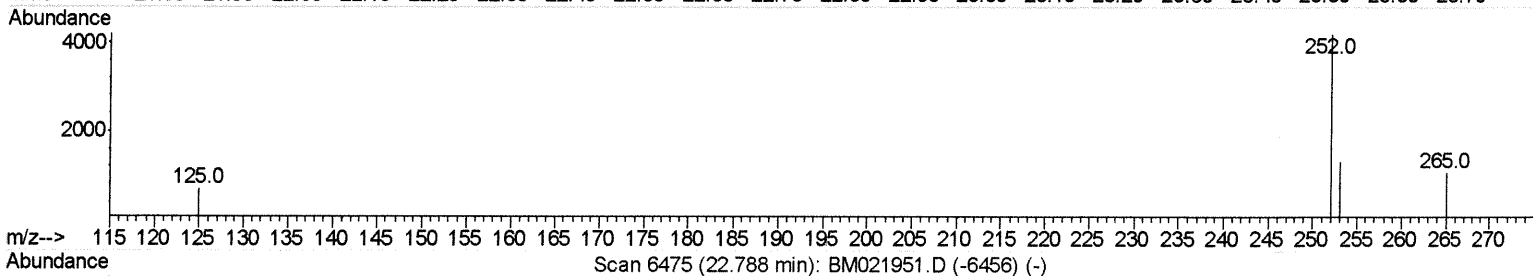
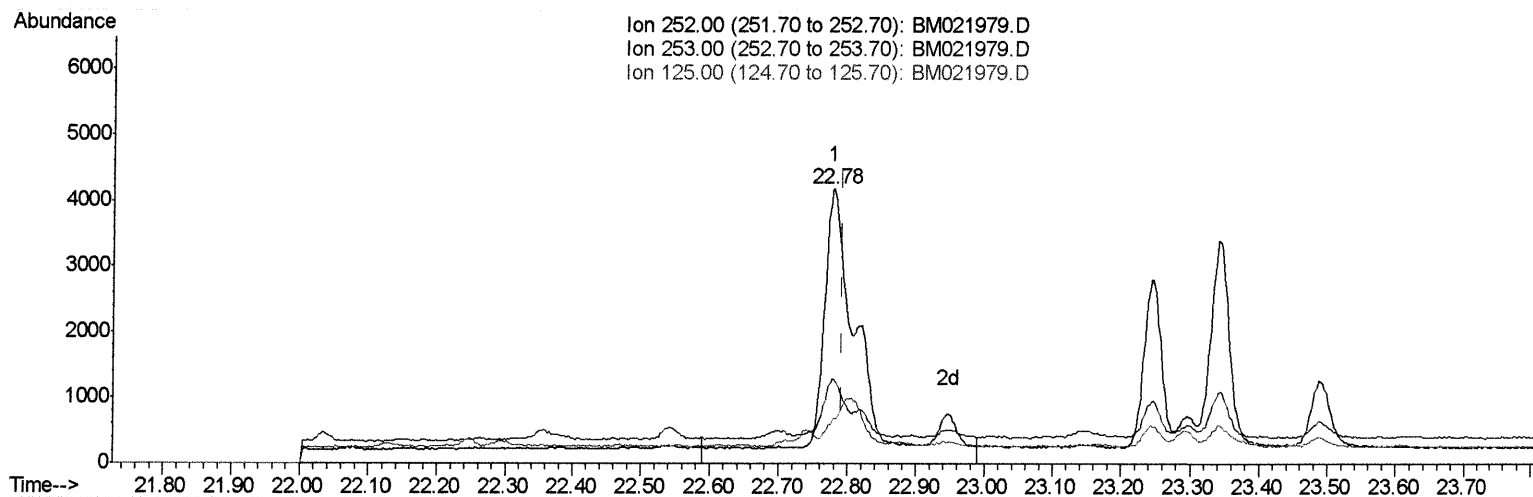
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.779min (-0.012) 0.39ng/ul m

JU
08/12/19

response 8502

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.13
125.00	15.50	16.42
0.00	0.00	0.00

Quantitation Report (Qedit)

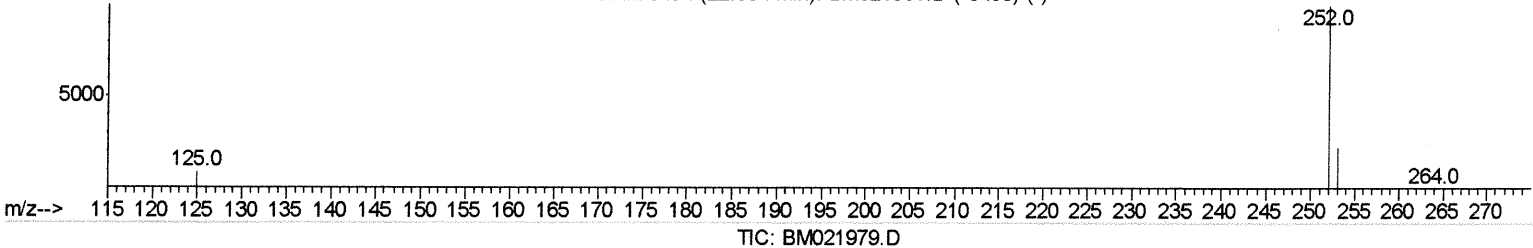
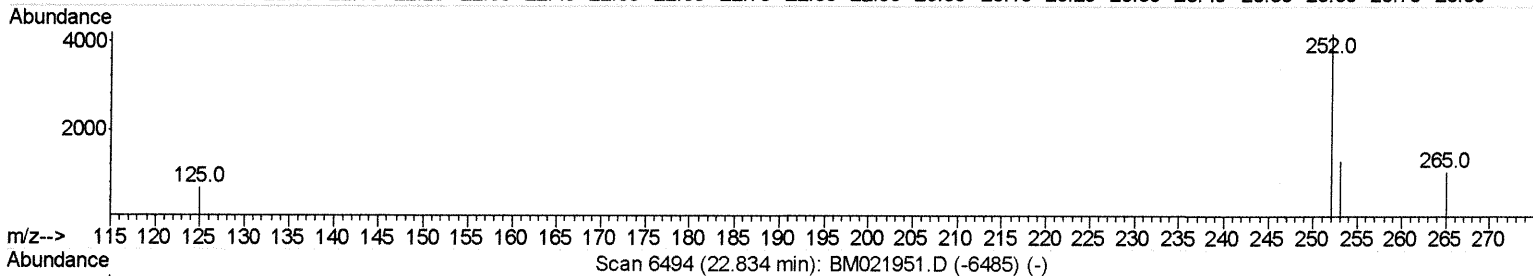
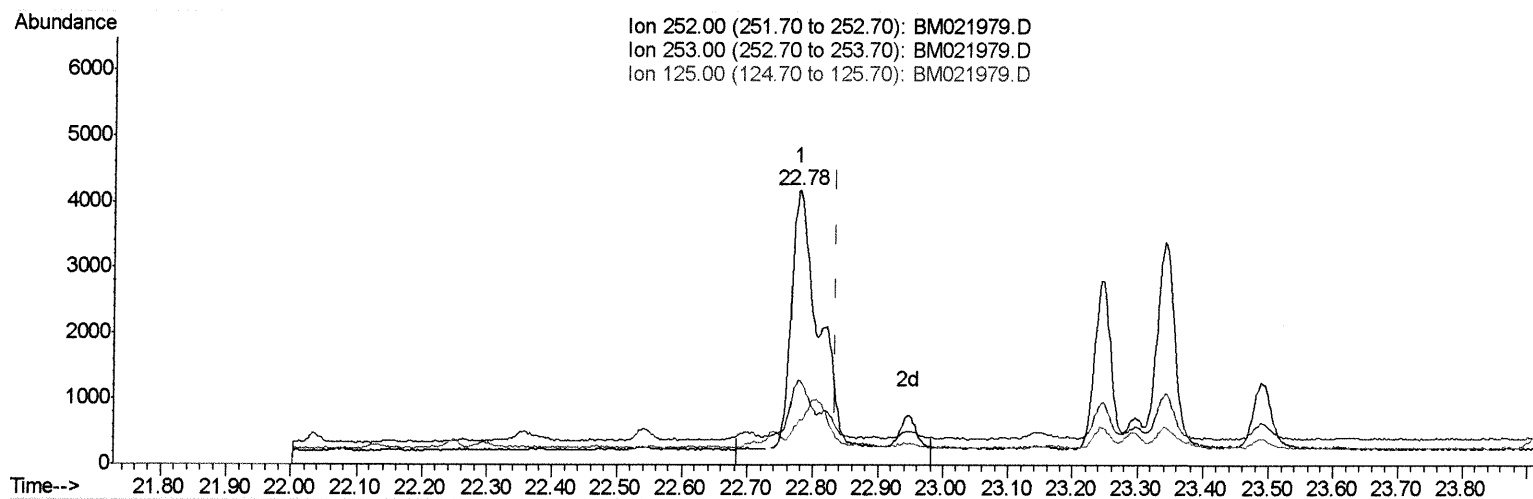
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021979.D
Acq On : 09 Aug 2019 21:03
Operator : HP/JU
Sample : K4116-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLD4

Manual Integrations
APPROVED

Sohil
8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.779min (-0.056) 0.46ng/ul

response 11371

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.13
125.00	15.20	16.42
0.00	0.00	0.00

Quantitation Report (Qedit)

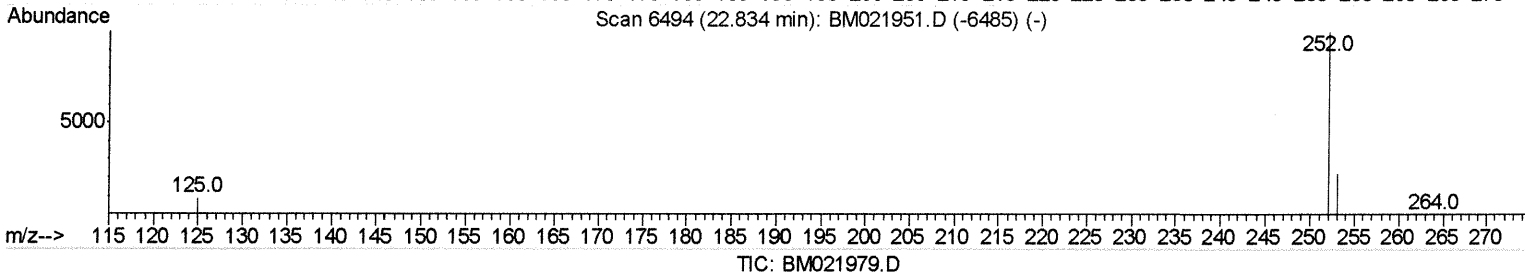
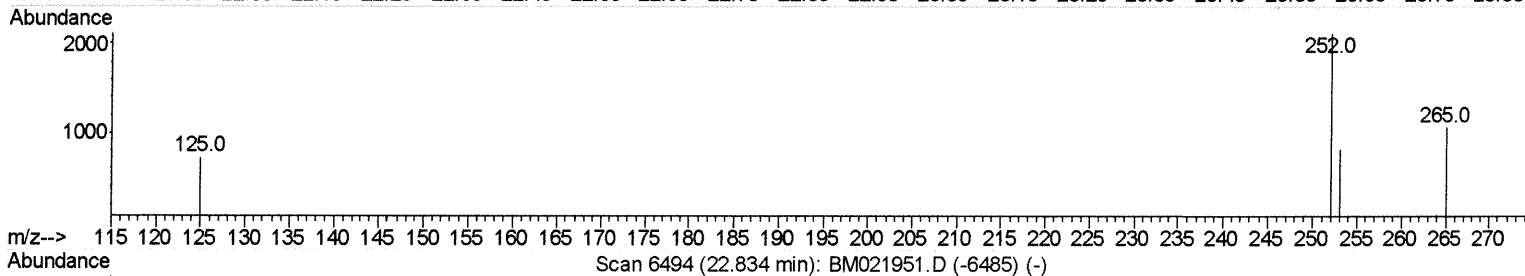
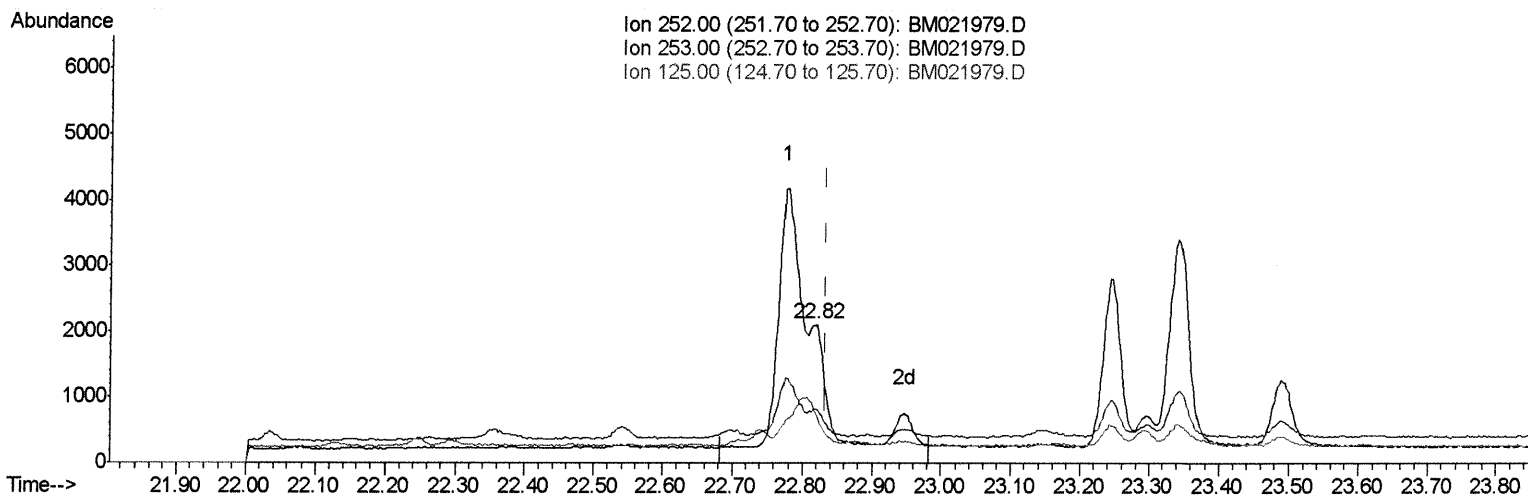
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:03:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.820min (-0.015) 0.11ng/ul m

JU 8/12/19

response 2758

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	38.40
125.00	15.20	34.06#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021979.D
 Acq On : 09 Aug 2019 21:03
 Operator : HP/JU
 Sample : K4116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLD4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:36:17 AM

Quant Time: Aug 10 07:05:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Aug 09 01:29:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	872	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	3670	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2010	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4531m→	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4249m→	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	6491	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	800	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2146m→	0.14	ng/ul	-0.01
Target Compounds						
12) Phenanthrene	17.06	178	866m→	0.066	ng/ul	Ovalue
15) Fluoranthene	19.09	202	5130m→	0.290	ng/ul	
17) Pyrene	19.46	202	5599m→	0.321	ng/ul	
18) Benzo(a)anthracene	21.22	228	4411	0.290	ng/ul	96
19) Chrysene	21.27	228	4665	0.239	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	8502m→	0.388	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	2758m→	0.111	ng/ul	
23) Benzo(a)pyrene	23.34	252	5957	0.268	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.65	276	4808	0.181	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.66	278	986	0.046	ng/ul#	31
26) Benzo(g,h,i)perylene	26.33	276	5277	0.221	ng/ul	94

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